284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2879

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2879

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2879-01	OU4-TS-GRILLO-TSCP03-081425
Q2879-02	OU4-TS-GRILLO-TSCP03-081425
Q2879-03	OU4-TS-GRILLO-TSCP04-081425
Q2879-04	OU4-TS-GRILLO-TSCP04-081425
Q2879-05	OU4-TS-GRILLO-TSCP05-081425
Q2879-06	OU4-TS-GRILLO-TSCP05-081425
Q2879-07	OU4-TS-GRILLO-TSCP06-081425
Q2879-08	OU4-TS-GRILLO-TSCP06-081425
Q2879-09	OU4-TS-GRILLO-TSCP07-081425
Q2879-10	OU4-TS-GRILLO-TSCP07-081425
Q2879-11	OU4-TS-GRILLO-TSCP08-081425
Q2879-12	OU4-TS-GRILLO-TSCP08-081425
Q2879-13	OU4-TS-GRILLO-TSCP09-081425
Q2879-14	OU4-TS-GRILLO-TSCP09-081425
Q2879-15	OU4-TS-GRILLO-TSCP10-081425
Q2879-16	OU4-TS-GRILLO-TSCP10-081425
Q2879-17	OU4-TS-GRILLO-TSCP11-081425
Q2879-18	OU4-TS-GRILLO-TSCP11-081425

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: 8/27/2025

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 # Q2879
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
9 Solid samples were received on 08/15/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: 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 were met for all analysis except for OU4-TS-GRILLO-TSCP11-081425 [4-Bromofluorobenzene - 76%], OU4-TS-GRILLO-TSCP11-081425RE [4-Bromofluorobenzene - 76%] sample was reanalyzed to confirm the failure and reported.

The Internal Standards Areas were met for all analysis except for OU4-TS-GRILLO-TSCP11-081425RE, sample was reanalyzed to confirm the failure and reported.

The Retention Times were met for all analysis.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y081225S.M) for Methylene chloride passing on Linear regression.

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

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E. Additional Comments:

Alliance has analyzed samples for VOCMS Group3 by Method 8260D for Project "Raymark Superfund Site". Alliance is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds with NJDEP for 8260D method. for VOCMS Group3 at the time when samples for Project "Raymark Superfund Site "were analyzed.

As per special requirement for this project form-1 are reported in mg/kg.
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2879 MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82Y081225S.M) for Methylene chloride passing on Linear regression. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for OU4-TS-GRILLO-TSCP11-081425 [4-Bromofluorobenzene - 76%], OU4-TS-GRILLO-TSCP11-081425RE [4-Bromofluorobenzene - 76%] sample was reanalyzed to confirm the failure and reported.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas were met for all analysis except for OU4-TS-GRILLO-TSCP11-081425RE, sample was reanalyzed to confirm the failure and reported.		✓	
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

NA NO YES

Alliance has analyzed samples for VOCMS Group3 by Method 8260D for Project “Raymark Superfund Site”. Alliance is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds with NJDEP for 8260D method. for VOCMS Group3 at the time when samples for Project “Raymark Superfund Site “were analyzed.

As per special requirement for this project form-1 are reported in mg/kg.
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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

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

_____ _____
QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2879

	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:** 08/27/2025

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LAB CHRONICLE

OrderID:	Q2879	**OrderDate:**	8/15/2025 9:15:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2879-01	**OU4-TS-GRILLO-TSCP 03-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/19/25	
Q2879-03	**OU4-TS-GRILLO-TSCP 04-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/20/25	
Q2879-05	**OU4-TS-GRILLO-TSCP 05-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/20/25	
Q2879-07	**OU4-TS-GRILLO-TSCP 06-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/19/25	
Q2879-09	**OU4-TS-GRILLO-TSCP 07-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/20/25	
Q2879-11	**OU4-TS-GRILLO-TSCP 08-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/20/25	
Q2879-13	**OU4-TS-GRILLO-TSCP 09-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/20/25	
Q2879-15	**OU4-TS-GRILLO-TSCP 10-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/20/25	
Q2879-17	**OU4-TS-GRILLO-TSCP 11-081425**	**SOIL**			**08/14/25**			**08/15/25**
			VOCMS Group3	8260D			08/19/25	

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LAB CHRONICLE

Q2879-17RE	**OU4-TS-GRILLO-TSCP 11-081425RE**	**SOIL**			**08/14/25**	**08/15/25**
			VOCMS Group3	8260D		08/20/25

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Hit Summary Sheet
SW-846

SDG No.: Q2879

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:									
				0					

Total Voc :

Total Concentration:

QC SUMMARY

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

SDG No.: Q2879

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	1,2-Dichloroethane-d4	50	56.2	112		71	136
		Dibromofluoromethane	50	53.5	107		78	119
		Toluene-d8	50	50.4	101		85	116
		4-Bromofluorobenzene	50	39.6	79		79	119
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	1,2-Dichloroethane-d4	50	53.6	107		71	136
		Dibromofluoromethane	50	52.3	105		78	119
		Toluene-d8	50	50.3	101		85	116
		4-Bromofluorobenzene	50	42.4	85		79	119
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	1,2-Dichloroethane-d4	50	54.3	109		71	136
		Dibromofluoromethane	50	54.3	109		78	119
		Toluene-d8	50	50.1	100		85	116
		4-Bromofluorobenzene	50	42.1	84		79	119
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	1,2-Dichloroethane-d4	50	54.6	109		71	136
		Dibromofluoromethane	50	52.0	104		78	119
		Toluene-d8	50	50.2	100		85	116
		4-Bromofluorobenzene	50	39.6	79		79	119
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	1,2-Dichloroethane-d4	50	56.1	112		71	136
		Dibromofluoromethane	50	53.7	107		78	119
		Toluene-d8	50	50.6	101		85	116
		4-Bromofluorobenzene	50	41.8	84		79	119
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	1,2-Dichloroethane-d4	50	55.5	111		71	136
		Dibromofluoromethane	50	53.0	106		78	119
		Toluene-d8	50	51.1	102		85	116
		4-Bromofluorobenzene	50	42.8	86		79	119
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	1,2-Dichloroethane-d4	50	60.2	120		71	136
		Dibromofluoromethane	50	55.2	110		78	119
		Toluene-d8	50	51.5	103		85	116
		4-Bromofluorobenzene	50	43.8	88		79	119
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	1,2-Dichloroethane-d4	50	56.0	112		71	136
		Dibromofluoromethane	50	53.6	107		78	119
		Toluene-d8	50	51.0	102		85	116
		4-Bromofluorobenzene	50	42.0	84		79	119
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	1,2-Dichloroethane-d4	50	54.9	110		71	136
		Dibromofluoromethane	50	52.6	105		78	119
		Toluene-d8	50	50.4	101		85	116
		4-Bromofluorobenzene	50	38.1	76	*	79	119
Q2879-17RE	OU4-TS-GRILLO-TSCP11-081425RE	1,2-Dichloroethane-d4	50	60.2	120		71	136
		Dibromofluoromethane	50	59.0	118		78	119
		Toluene-d8	50	49.8	100		85	116
		4-Bromofluorobenzene	50	38.2	76	*	79	119
VY0819SBL01	VY0819SBL01	1,2-Dichloroethane-d4	50	53.4	107		71	136
		Dibromofluoromethane	50	52.4	105		78	119
		Toluene-d8	50	51.3	103		85	116
		4-Bromofluorobenzene	50	49.5	99		79	119
VY0819SBS01	VY0819SBS01	1,2-Dichloroethane-d4	50	47.4	95		71	136
		Dibromofluoromethane	50	48.6	97		78	119
		Toluene-d8	50	49.6	99		85	116
		4-Bromofluorobenzene	50	48.5	97		79	119
VY0819SBSD01	VY0819SBSD01	1,2-Dichloroethane-d4	50	46.1	92		71	136
		Dibromofluoromethane	50	47.6	95		78	119

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Surrogate Summary

SDG No.: Q2879

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VY0819SBSD01	VY0819SBSD01	Toluene-d8	50	48.5	97		85	116
		4-Bromofluorobenzene	50	46.8	94		79	119
VY0820SBL01	VY0820SBL01	1,2-Dichloroethane-d4	50	56.3	112		71	136
		Dibromofluoromethane	50	53.1	106		78	119
		Toluene-d8	50	51.9	104		85	116
		4-Bromofluorobenzene	50	46.8	94		79	119
VY0820SBS01	VY0820SBS01	1,2-Dichloroethane-d4	50	47.5	95		71	136
		Dibromofluoromethane	50	49.7	99		78	119
		Toluene-d8	50	49.7	99		85	116
		4-Bromofluorobenzene	50	47.6	95		79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VY023139.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0819SBS01	Dichlorodifluoromethane	20	20.7	ug/Kg	104			29	149	
	Chloromethane	20	20.2	ug/Kg	101			50	136	
	Vinyl chloride	20	20.6	ug/Kg	103			56	135	
	Bromomethane	20	23.2	ug/Kg	116			53	143	
	Chloroethane	20	20.8	ug/Kg	104			59	139	
	Tetrahydrofuran	100	90.4	ug/Kg	90			61	135	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			66	136	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			70	131	
	Acrylonitrile	100	94.5	ug/Kg	95			65	134	
	Acetone	100	110	ug/Kg	110			36	164	
	Carbon disulfide	20	19.9	ug/Kg	100			63	132	
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99			73	125	
	Methylene Chloride	20	18.9	ug/Kg	95			70	128	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			74	125	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			76	125	
	2-Butanone	100	100	ug/Kg	100			51	148	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			70	135	
	2,2-Dichloropropane	20	21.4	ug/Kg	107			67	133	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			77	123	
	Chloroform	20	20.7	ug/Kg	104			78	123	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			73	130	
	1,1-Dichloropropene	20	20.6	ug/Kg	103			76	125	
	Benzene	20	21.1	ug/Kg	106			77	121	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			73	128	
	Trichloroethene	20	21.2	ug/Kg	106			77	123	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			76	123	
	Dibromomethane	20	21.0	ug/Kg	105			78	125	
	Bromodichloromethane	20	20.7	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	93.7	ug/Kg	94			65	135	
	Toluene	20	21.0	ug/Kg	105			77	121	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			71	130	
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102			78	121	
	1,3-Dichloropropane	20	20.6	ug/Kg	103			77	121	
	2-Hexanone	100	99.0	ug/Kg	99			53	145	
	Dibromochloromethane	20	20.6	ug/Kg	103			74	126	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			78	122	
	Tetrachloroethene	20	20.5	ug/Kg	103			73	128	
	Chlorobenzene	20	21.3	ug/Kg	106			79	120	
	1,1,1,2-Tetrachloroethane	20	21.2	ug/Kg	106			78	125	
	Ethyl Benzene	20	20.8	ug/Kg	104			76	122	
	m/p-Xylenes	40	42.0	ug/Kg	105			77	124	
	o-Xylene	20	21.0	ug/Kg	105			77	123	
	Styrene	20	21.0	ug/Kg	105			76	124	
	Bromoform	20	20.5	ug/Kg	103			67	132	
	Isopropylbenzene	20	21.2	ug/Kg	106			68	134	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VY023139.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0819SBS01	1,2,3-Trichloropropane	20	18.1	ug/Kg	91			73	125	
	Bromobenzene	20	20.6	ug/Kg	103			78	121	
	N-propylbenzene	20	21.3	ug/Kg	106			73	125	
	2-Chlorotoluene	20	21.0	ug/Kg	105			75	122	
	1,3,5-Trimethylbenzene	20	21.0	ug/Kg	105			73	124	
	4-Chlorotoluene	20	20.8	ug/Kg	104			72	124	
	tert-Butylbenzene	20	21.1	ug/Kg	106			73	125	
	1,2,4-Trimethylbenzene	20	21.3	ug/Kg	106			75	123	
	Sec-butylbenzene	20	21.5	ug/Kg	108			73	126	
	p-Isopropyltoluene	20	21.4	ug/Kg	107			73	127	
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104			77	121	
	1,4-Dichlorobenzene	20	20.8	ug/Kg	104			75	120	
	n-Butylbenzene	20	21.0	ug/Kg	105			70	128	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			78	121	
	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			61	132	
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101			67	129	
	Hexachlorobutadiene	20	21.1	ug/Kg	106			61	135	
	1,2,3-Trichlorobenzene	20	20.1	ug/Kg	101			66	130	
	trans-1,4-Dichloro-2-butene	20	19.8	ug/Kg	99			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VY023140.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0819SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	2		29	149	20
	Chloromethane	20	19.3	ug/Kg	97	4		50	136	20
	Vinyl chloride	20	20.2	ug/Kg	101	2		56	135	20
	Bromomethane	20	21.5	ug/Kg	108	7		53	143	20
	Chloroethane	20	20.4	ug/Kg	102	2		59	139	20
	Tetrahydrofuran	100	92.7	ug/Kg	93	3		61	135	20
	Trichlorofluoromethane	20	20.6	ug/Kg	103	3		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106	2		66	136	20
	1,1-Dichloroethene	20	20.7	ug/Kg	104	0		70	131	20
	Acrylonitrile	100	92.8	ug/Kg	93	2		65	134	20
	Acetone	100	100	ug/Kg	100	10		36	164	20
	Carbon disulfide	20	19.8	ug/Kg	99	1		63	132	20
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98	1		73	125	20
	Methylene Chloride	20	19.6	ug/Kg	98	3		70	128	20
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101	4		74	125	20
	1,1-Dichloroethane	20	20.0	ug/Kg	100	0		76	125	20
	2-Butanone	100	97.7	ug/Kg	98	2		51	148	20
	Carbon Tetrachloride	20	21.1	ug/Kg	106	1		70	135	20
	2,2-Dichloropropane	20	20.8	ug/Kg	104	3		67	133	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	0		77	123	20
	Chloroform	20	20.4	ug/Kg	102	2		78	123	20
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	1		73	130	20
	1,1-Dichloropropene	20	20.5	ug/Kg	103	0		76	125	20
	Benzene	20	20.4	ug/Kg	102	4		77	121	20
	1,2-Dichloroethane	20	20.1	ug/Kg	101	0		73	128	20
	Trichloroethene	20	21.4	ug/Kg	107	1		77	123	20
	1,2-Dichloropropane	20	20.2	ug/Kg	101	2		76	123	20
	Dibromomethane	20	20.5	ug/Kg	103	2		78	125	20
	Bromodichloromethane	20	20.2	ug/Kg	101	3		75	127	20
	4-Methyl-2-Pentanone	100	92.1	ug/Kg	92	2		65	135	20
	Toluene	20	20.9	ug/Kg	104	1		77	121	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		71	130	20
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100	3		74	126	20
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	0		78	121	20
	1,3-Dichloropropane	20	20.1	ug/Kg	101	2		77	121	20
	2-Hexanone	100	95.7	ug/Kg	96	3		53	145	20
	Dibromochloromethane	20	20.4	ug/Kg	102	1		74	126	20
	1,2-Dibromoethane	20	20.0	ug/Kg	100	2		78	122	20
	Tetrachloroethene	20	23.7	ug/Kg	119	14		73	128	20
	Chlorobenzene	20	20.9	ug/Kg	104	2		79	120	20
	1,1,1,2-Tetrachloroethane	20	20.7	ug/Kg	104	2		78	125	20
	Ethyl Benzene	20	20.3	ug/Kg	102	2		76	122	20
	m/p-Xylenes	40	41.3	ug/Kg	103	2		77	124	20
	o-Xylene	20	20.5	ug/Kg	103	2		77	123	20
	Styrene	20	20.8	ug/Kg	104	1		76	124	20
	Bromoform	20	19.7	ug/Kg	99	4		67	132	20
	Isopropylbenzene	20	20.8	ug/Kg	104	2		68	134	20
	1,1,2,2-Tetrachloroethane	20	18.0	ug/Kg	90	14		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VY023140.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0819SBSD01	1,2,3-Trichloropropane	20	20.8	ug/Kg	104	13		73	125	20
	Bromobenzene	20	20.7	ug/Kg	104	1		78	121	20
	N-propylbenzene	20	21.1	ug/Kg	106	0		73	125	20
	2-Chlorotoluene	20	20.5	ug/Kg	103	2		75	122	20
	1,3,5-Trimethylbenzene	20	20.9	ug/Kg	104	1		73	124	20
	4-Chlorotoluene	20	20.5	ug/Kg	103	1		72	124	20
	tert-Butylbenzene	20	20.9	ug/Kg	104	2		73	125	20
	1,2,4-Trimethylbenzene	20	21.0	ug/Kg	105	1		75	123	20
	Sec-butylbenzene	20	21.0	ug/Kg	105	3		73	126	20
	p-Isopropyltoluene	20	21.0	ug/Kg	105	2		73	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	0		77	121	20
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103	1		75	120	20
	n-Butylbenzene	20	21.0	ug/Kg	105	0		70	128	20
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103	0		78	121	20
	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	0		61	132	20
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	1		67	129	20
	Hexachlorobutadiene	20	20.8	ug/Kg	104	2		61	135	20
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100	1		66	130	20
	trans-1,4-Dichloro-2-butene	20	18.9	ug/Kg	95	4		62	136	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VY023164.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0820SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			29	149	
	Chloromethane	20	21.6	ug/Kg	108			50	136	
	Vinyl chloride	20	21.8	ug/Kg	109			56	135	
	Bromomethane	20	24.6	ug/Kg	123			53	143	
	Chloroethane	20	22.1	ug/Kg	111			59	139	
	Tetrahydrofuran	100	88.3	ug/Kg	88			61	135	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			66	136	
	1,1-Dichloroethene	20	20.6	ug/Kg	103			70	131	
	Acrylonitrile	100	94.2	ug/Kg	94			65	134	
	Acetone	100	110	ug/Kg	110			36	164	
	Carbon disulfide	20	20.2	ug/Kg	101			63	132	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			73	125	
	Methylene Chloride	20	19.7	ug/Kg	99			70	128	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			74	125	
	1,1-Dichloroethane	20	20.4	ug/Kg	102			76	125	
	2-Butanone	100	99.9	ug/Kg	100			51	148	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			70	135	
	2,2-Dichloropropane	20	20.4	ug/Kg	102			67	133	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			77	123	
	Chloroform	20	21.0	ug/Kg	105			78	123	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			73	130	
	1,1-Dichloropropene	20	20.3	ug/Kg	102			76	125	
	Benzene	20	20.7	ug/Kg	104			77	121	
	1,2-Dichloroethane	20	19.7	ug/Kg	99			73	128	
	Trichloroethene	20	21.3	ug/Kg	106			77	123	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			76	123	
	Dibromomethane	20	20.2	ug/Kg	101			78	125	
	Bromodichloromethane	20	20.4	ug/Kg	102			75	127	
	4-Methyl-2-Pentanone	100	89.4	ug/Kg	89			65	135	
	Toluene	20	20.5	ug/Kg	103			77	121	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			71	130	
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99			74	126	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			78	121	
	1,3-Dichloropropane	20	19.8	ug/Kg	99			77	121	
	2-Hexanone	100	93.9	ug/Kg	94			53	145	
	Dibromochloromethane	20	20.2	ug/Kg	101			74	126	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			78	122	
	Tetrachloroethene	20	22.5	ug/Kg	113			73	128	
	Chlorobenzene	20	20.3	ug/Kg	102			79	120	
	1,1,1,2-Tetrachloroethane	20	20.4	ug/Kg	102			78	125	
	Ethyl Benzene	20	19.7	ug/Kg	99			76	122	
	m/p-Xylenes	40	40.3	ug/Kg	101			77	124	
	o-Xylene	20	19.5	ug/Kg	98			77	123	
	Styrene	20	20.1	ug/Kg	101			76	124	
	Bromoform	20	19.5	ug/Kg	98			67	132	
	Isopropylbenzene	20	19.4	ug/Kg	97			68	134	
	1,1,2,2-Tetrachloroethane	20	17.6	ug/Kg	88			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VY023164.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0820SBS01	1,2,3-Trichloropropane	20	20.5	ug/Kg	103			73	125	
	Bromobenzene	20	19.4	ug/Kg	97			78	121	
	N-propylbenzene	20	19.7	ug/Kg	99			73	125	
	2-Chlorotoluene	20	19.8	ug/Kg	99			75	122	
	1,3,5-Trimethylbenzene	20	19.7	ug/Kg	99			73	124	
	4-Chlorotoluene	20	19.6	ug/Kg	98			72	124	
	tert-Butylbenzene	20	19.5	ug/Kg	98			73	125	
	1,2,4-Trimethylbenzene	20	19.8	ug/Kg	99			75	123	
	Sec-butylbenzene	20	19.8	ug/Kg	99			73	126	
	p-Isopropyltoluene	20	19.8	ug/Kg	99			73	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			77	121	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			75	120	
	n-Butylbenzene	20	19.3	ug/Kg	97			70	128	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			78	121	
	1,2-Dibromo-3-Chloropropane	20	17.5	ug/Kg	88			61	132	
	1,2,4-Trichlorobenzene	20	18.2	ug/Kg	91			67	129	
	Hexachlorobutadiene	20	19.7	ug/Kg	99			61	135	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			66	130	
	trans-1,4-Dichloro-2-butene	20	17.2	ug/Kg	86			62	136	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0819SBL01

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: VY023138.D Lab Sample ID: VY0819SBL01

Date Analyzed: 08/19/2025 Time Analyzed: 09:49

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
VY0819SBS01	VY0819SBS01	VY023139.D	08/19/2025
VY0819SBSD01	VY0819SBSD01	VY023140.D	08/19/2025
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	VY023148.D	08/19/2025
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	VY023151.D	08/19/2025
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	VY023156.D	08/19/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0820SBL01

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: VY023163.D Lab Sample ID: VY0820SBL01

Date Analyzed: 08/20/2025 Time Analyzed: 09:55

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
VY0820SBS01	VY0820SBS01	VY023164.D	08/20/2025
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	VY023166.D	08/20/2025
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	VY023167.D	08/20/2025
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	VY023168.D	08/20/2025
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	VY023169.D	08/20/2025
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	VY023170.D	08/20/2025
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	VY023171.D	08/20/2025
OU4-TS-GRILLO-TSCP11-081425RE	Q2879-17RE	VY023172.D	08/20/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2879
Lab File ID: VY023048.D
BFB Injection Date: 08/12/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:26
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.9
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.3 (7.6) 1
176	95.0 - 101.0% of mass 174	80.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023050.D	08/12/2025	14:54
VSTDICC010	VSTDICC010	VY023051.D	08/12/2025	15:17
VSTDICC020	VSTDICC020	VY023052.D	08/12/2025	15:40
VSTDICCC050	VSTDICCC050	VY023053.D	08/12/2025	16:02
VSTDICC100	VSTDICC100	VY023054.D	08/12/2025	16:25
VSTDICC150	VSTDICC150	VY023055.D	08/12/2025	16:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2879
Lab File ID: VY023136.D
BFB Injection Date: 08/19/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 07:45
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	51.4
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	0.8 (1) 1
174	50.0 - 100.0% of mass 95	87.6
175	5.0 - 9.0% of mass 174	6.6 (7.5) 1
176	95.0 - 101.0% of mass 174	84.1 (96.1) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023137.D	08/19/2025	09:11
VY0819SBL01	VY0819SBL01	VY023138.D	08/19/2025	09:49
VY0819SBS01	VY0819SBS01	VY023139.D	08/19/2025	10:19
VY0819SBSD01	VY0819SBSD01	VY023140.D	08/19/2025	10:42
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	VY023148.D	08/19/2025	14:04
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	VY023151.D	08/19/2025	15:15
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	VY023156.D	08/19/2025	17:12
VSTDCCC050EC	VSTDCCC050	VY023160.D	08/19/2025	19:08

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2879
Lab File ID: VY023161.D
BFB Injection Date: 08/20/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 07:55
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	89.3
175	5.0 - 9.0% of mass 174	6.6 (7.4) 1
176	95.0 - 101.0% of mass 174	84.8 (95.1) 1
177	5.0 - 9.0% of mass 176	5.6 (6.6) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023162.D	08/20/2025	09:26
VY0820SBL01	VY0820SBL01	VY023163.D	08/20/2025	09:55
VY0820SBS01	VY0820SBS01	VY023164.D	08/20/2025	10:24
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	VY023166.D	08/20/2025	11:27
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	VY023167.D	08/20/2025	11:50
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	VY023168.D	08/20/2025	12:14
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	VY023169.D	08/20/2025	12:37
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	VY023170.D	08/20/2025	13:01
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	VY023171.D	08/20/2025	13:24
OU4-TS-GRILLO-TSCP11-081425RE	Q2879-17RE	VY023172.D	08/20/2025	13:48
VSTDCCC050EC	VSTDCCC050	VY023181.D	08/20/2025	17:41

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: VY023137.D Date Analyzed: 08/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:11

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	560294	7.71	876189	8.62	761785	11.41
UPPER LIMIT	1120590	8.213	1752380	9.116	1523570	11.914
LOWER LIMIT	280147	7.213	438095	8.116	380893	10.914
EPA SAMPLE NO.						
OU4-TS-GRILLO-TSCP03-081425	548290	7.71	1024796	8.62	847176	11.41
OU4-TS-GRILLO-TSCP06-081425	536443	7.71	992296	8.62	817130	11.41
OU4-TS-GRILLO-TSCP11-081425	523510	7.71	976443	8.62	798419	11.41
VY0819SBL01	658468	7.71	1194271	8.62	1104701	11.41
VY0819SBS01	517532	7.71	816918	8.62	707204	11.41
VY0819SBSD01	517578	7.71	818799	8.62	712593	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: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: VY023137.D Date Analyzed: 08/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:11

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

	IS4 AREA #	RT #				
12 HOUR STD	392533	13.346				
UPPER LIMIT	785066	13.846				
LOWER LIMIT	196267	12.846				
EPA SAMPLE NO.						
OU4-TS-GRILLO-TSCP03-081425	281414	13.34				
OU4-TS-GRILLO-TSCP06-081425	273589	13.35				
OU4-TS-GRILLO-TSCP11-081425	256755	13.35				
VY0819SBL01	444569	13.35				
VY0819SBS01	352720	13.35				
VY0819SBSD01	351390	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: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: VY023162.D Date Analyzed: 08/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:26

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	494314	7.71	753839	8.62	669405	11.41
UPPER LIMIT	988628	8.213	1507680	9.116	1338810	11.914
LOWER LIMIT	247157	7.213	376920	8.116	334703	10.914
EPA SAMPLE NO.						
OU4-TS-GRILLO-TSCP04-081425	539019	7.71	995282	8.62	798711	11.41
OU4-TS-GRILLO-TSCP05-081425	530041	7.71	976268	8.62	789979	11.41
OU4-TS-GRILLO-TSCP07-081425	516659	7.71	966938	8.62	789139	11.41
OU4-TS-GRILLO-TSCP08-081425	510110	7.71	953413	8.62	788677	11.41
OU4-TS-GRILLO-TSCP09-081425	525230	7.71	985769	8.62	856717	11.41
OU4-TS-GRILLO-TSCP10-081425	506602	7.71	937467	8.62	768975	11.41
OU4-TS-GRILLO-TSCP11-081425RE	182608 *	7.71	323352 *	8.62	259490 *	11.41
VY0820SBL01	578816	7.71	1083634	8.62	970907	11.42
VY0820SBS01	459555	7.71	730484	8.62	640306	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: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: VY023162.D Date Analyzed: 08/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:26

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

	IS4 AREA #		RT #				
12 HOUR STD	347499		13.347				
UPPER LIMIT	694998		13.847				
LOWER LIMIT	173750		12.847				
EPA SAMPLE NO.							
OU4-TS-GRILLO-TSCP04-081425	234966		13.35				
OU4-TS-GRILLO-TSCP05-081425	241273		13.35				
OU4-TS-GRILLO-TSCP07-081425	248201		13.35				
OU4-TS-GRILLO-TSCP08-081425	250948		13.35				
OU4-TS-GRILLO-TSCP09-081425	295759		13.35				
OU4-TS-GRILLO-TSCP10-081425	235287		13.35				
OU4-TS-GRILLO-TSCP11-081425RE	77921	*	13.35				
VY0820SBL01	382880		13.35				
VY0820SBS01	323804		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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	3.81 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:	Date Analyzed	Prep Batch ID
VY023148.D	1	08/19/25 14:04	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0059	U	0.0017	0.0059	0.0074	mg/Kg
74-87-3	Chloromethane	0.0037	U	0.0017	0.0037	0.0074	mg/Kg
75-01-4	Vinyl Chloride	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
74-83-9	Bromomethane	0.0059	U	0.0016	0.0059	0.0074	mg/Kg
75-00-3	Chloroethane	0.0037	U	0.0019	0.0037	0.0074	mg/Kg
109-99-9	Tetrahydrofuran	0.018	U	0.0069	0.018	0.037	mg/Kg
75-69-4	Trichlorofluoromethane	0.0059	U	0.0018	0.0059	0.0074	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0037	U	0.0016	0.0037	0.0074	mg/Kg
75-35-4	1,1-Dichloroethene	0.0037	U	0.0015	0.0037	0.0074	mg/Kg
107-13-1	Acrylonitrile	0.018	U	0.0073	0.018	0.037	mg/Kg
67-64-1	Acetone	0.030	U	0.0070	0.030	0.037	mg/Kg
75-15-0	Carbon Disulfide	0.0059	U	0.0016	0.0059	0.0074	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0052	0.012	0.015	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
75-34-3	1,1-Dichloroethane	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
78-93-3	2-Butanone	0.030	U	0.0096	0.030	0.037	mg/Kg
56-23-5	Carbon Tetrachloride	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
594-20-7	2,2-Dichloropropane	0.0059	U	0.0019	0.0059	0.0074	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
67-66-3	Chloroform	0.0059	U	0.0012	0.0059	0.0074	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
563-58-6	1,1-Dichloropropene	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
71-43-2	Benzene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
107-06-2	1,2-Dichloroethane	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
79-01-6	Trichloroethene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
78-87-5	1,2-Dichloropropane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
74-95-3	Dibromomethane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
75-27-4	Bromodichloromethane	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.018	U	0.0053	0.018	0.037	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	3.81 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:	Date Analyzed	Prep Batch ID
VY023148.D	1	08/19/25 14:04	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0037	U	0.00096	0.0037	0.0074	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0037	U	0.00091	0.0037	0.0074	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
142-28-9	1,3-Dichloropropane	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
591-78-6	2-Hexanone	0.018	U	0.0054	0.018	0.037	mg/Kg
124-48-1	Dibromochloromethane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
106-93-4	1,2-Dibromoethane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
127-18-4	Tetrachloroethene	0.0037	U	0.0015	0.0037	0.0074	mg/Kg
108-90-7	Chlorobenzene	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
100-41-4	Ethyl Benzene	0.0037	U	0.00099	0.0037	0.0074	mg/Kg
1330-20-7	Total Xylenes	0.011	U	0.0030	0.011	0.022	mg/Kg
179601-23-1	m/p-Xylenes	0.0074	U	0.0018	0.0074	0.015	mg/Kg
95-47-6	o-Xylene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
100-42-5	Styrene	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
75-25-2	Bromoform	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
98-82-8	Isopropylbenzene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0037	U	0.0018	0.0037	0.0074	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0059	U	0.0018	0.0059	0.0074	mg/Kg
108-86-1	Bromobenzene	0.0037	U	0.0018	0.0037	0.0074	mg/Kg
103-65-1	n-propylbenzene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
95-49-8	2-Chlorotoluene	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
106-43-4	4-Chlorotoluene	0.0037	U	0.0018	0.0037	0.0074	mg/Kg
98-06-6	tert-Butylbenzene	0.0037	U	0.00099	0.0037	0.0074	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0037	U	0.00094	0.0037	0.0074	mg/Kg
135-98-8	sec-Butylbenzene	0.0037	U	0.00097	0.0037	0.0074	mg/Kg
99-87-6	p-Isopropyltoluene	0.0037	U	0.00091	0.0037	0.0074	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0037	U	0.0025	0.0037	0.0074	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0037	U	0.0023	0.0037	0.0074	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	3.81 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:	Date Analyzed	Prep Batch ID
VY023148.D	1	08/19/25 14:04	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0037	U	0.0021	0.0037	0.0074	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0037	U	0.0021	0.0037	0.0074	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0059	U	0.0027	0.0059	0.0074	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0059	U	0.0044	0.0059	0.0074	mg/Kg
87-68-3	Hexachlorobutadiene	0.0037	U	0.0028	0.0037	0.0074	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0059	U	0.0047	0.0059	0.0074	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0037	U	0.0016	0.0037	0.0074	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.2		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.4		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	548000	7.707				
540-36-3	1,4-Difluorobenzene	1020000	8.616				
3114-55-4	Chlorobenzene-d5	847000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	281000	13.341				

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\VY081925\
Data File : VY023148.D
Acq On : 19 Aug 2025 14:04
Operator : SY/MD
Sample : Q2879-01
Misc : 3.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Time: Aug 20 01:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	548290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1024796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	847176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	281414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	293584	56.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.360%			
35) Dibromofluoromethane	7.634	113	327809	53.458	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.920%			
50) Toluene-d8	10.103	98	1206543	50.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.402	95	305078	39.600	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.200%			

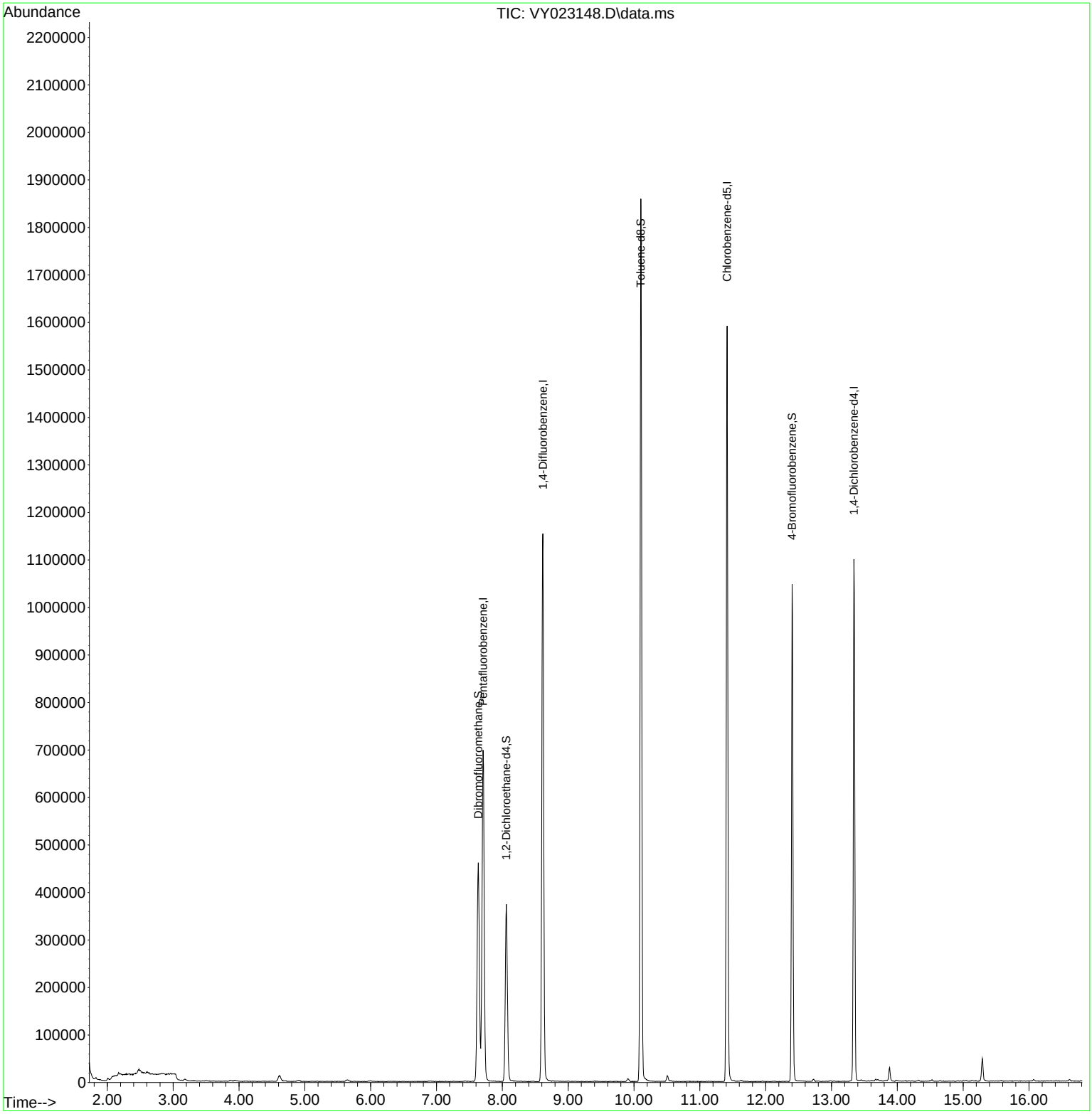
Target Compounds Qvalue

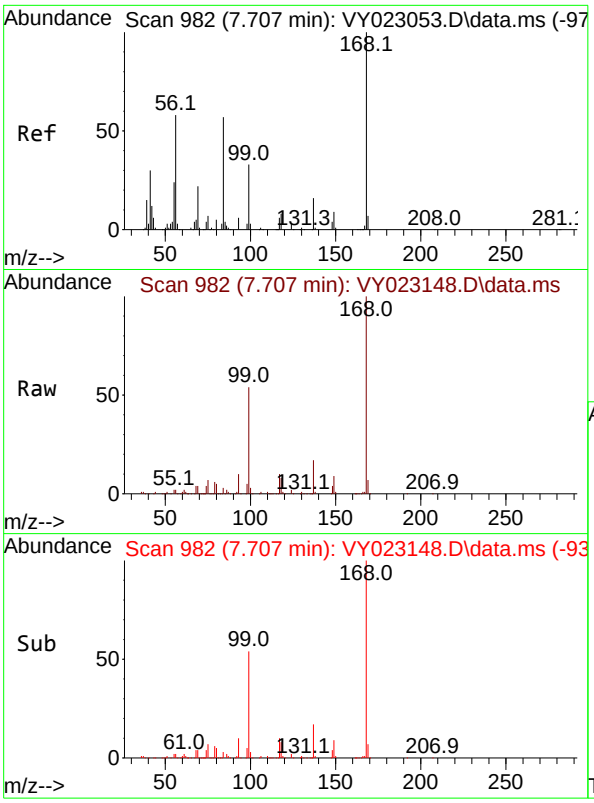
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023148.D
Acq On : 19 Aug 2025 14:04
Operator : SY/MD
Sample : Q2879-01
Misc : 3.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Time: Aug 20 01:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



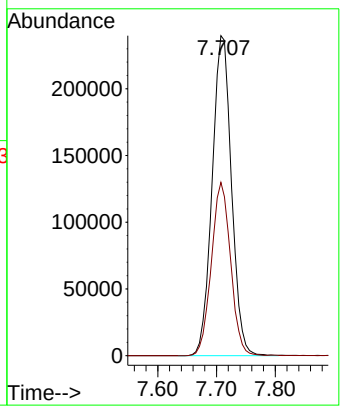


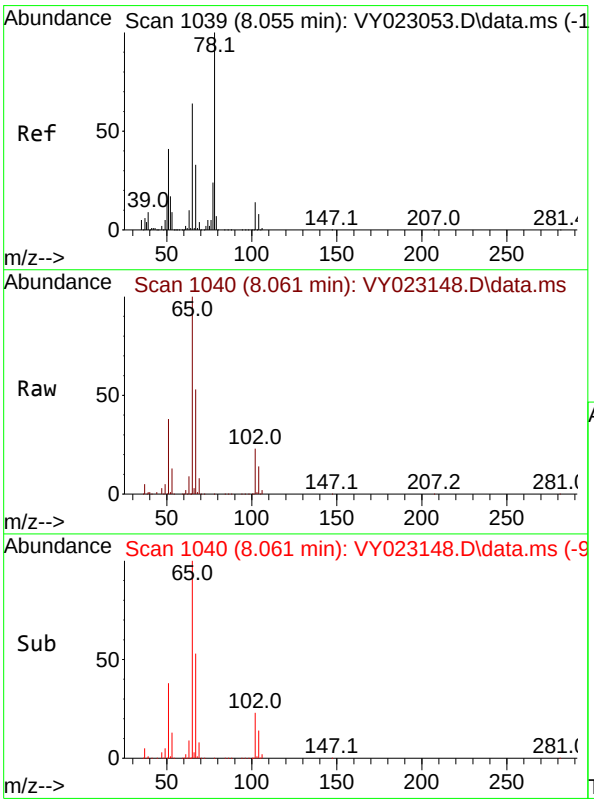
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:168 Resp: 548290

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2

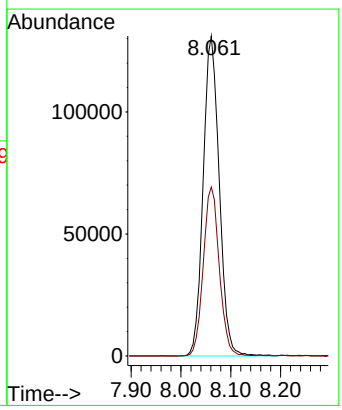


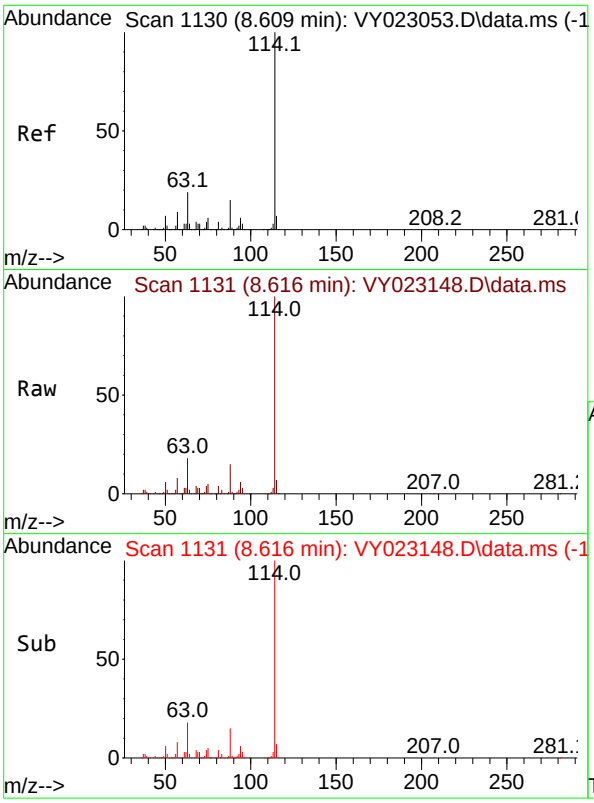


#33
1,2-Dichloroethane-d4
Concen: 56.182 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion: 65 Resp: 293584

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.8



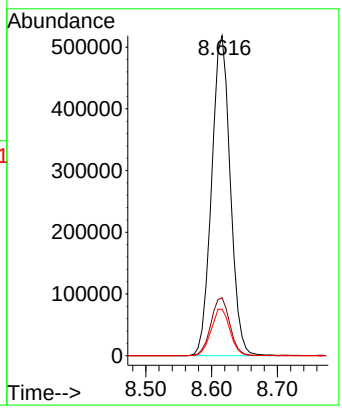


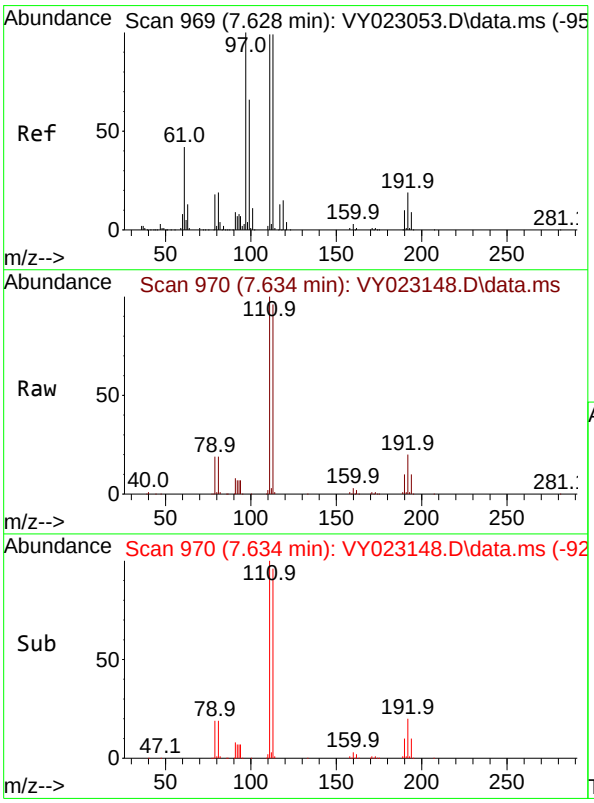
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:114 Resp: 1024796

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	14.6	0.0	30.0

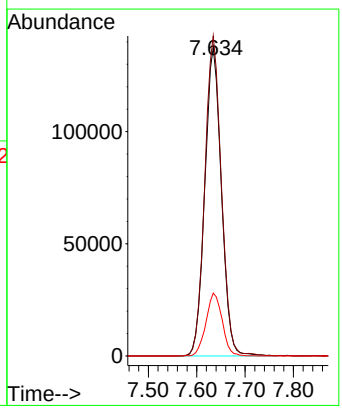


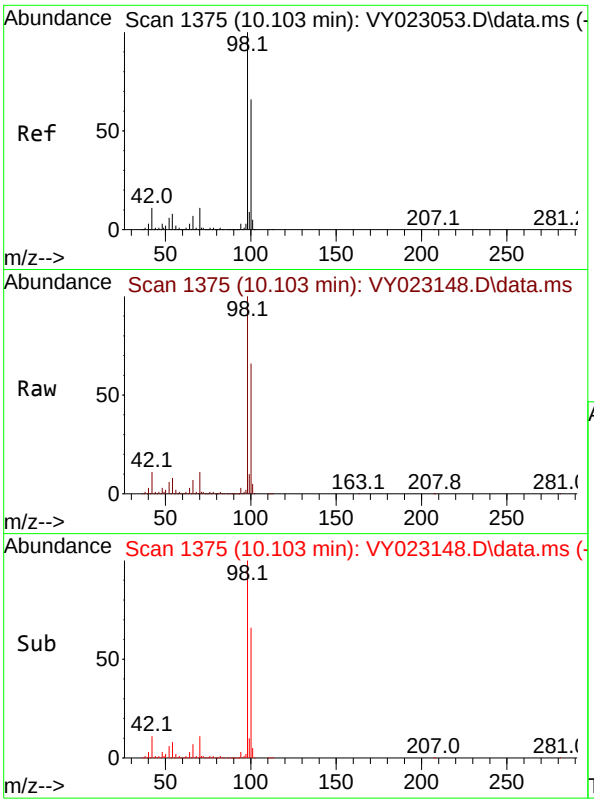


#35
Dibromofluoromethane
Concen: 53.458 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion:113 Resp: 327809

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	20.0	16.2	24.4



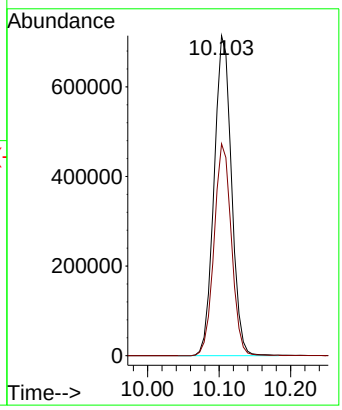


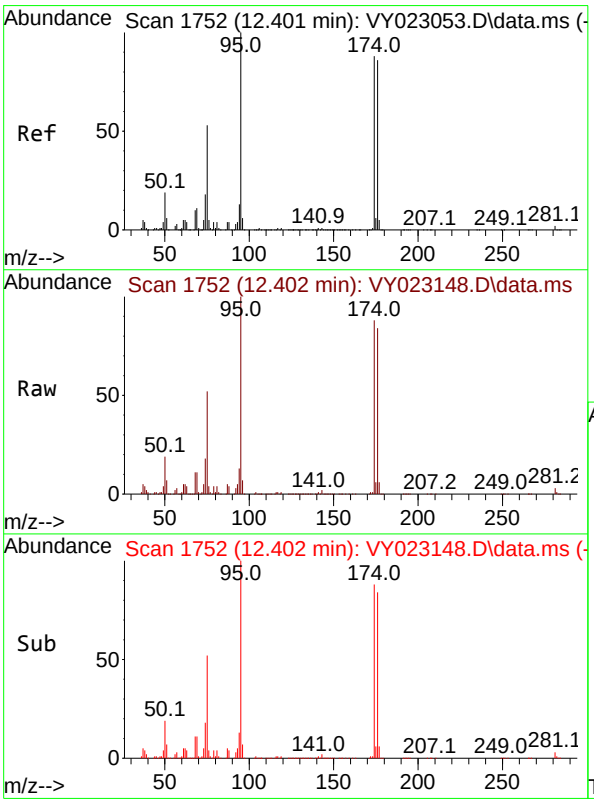
#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion: 98 Resp: 1206543

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.3	78.5

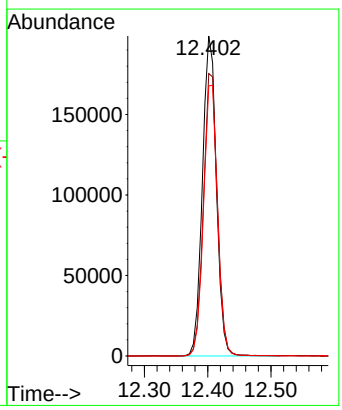


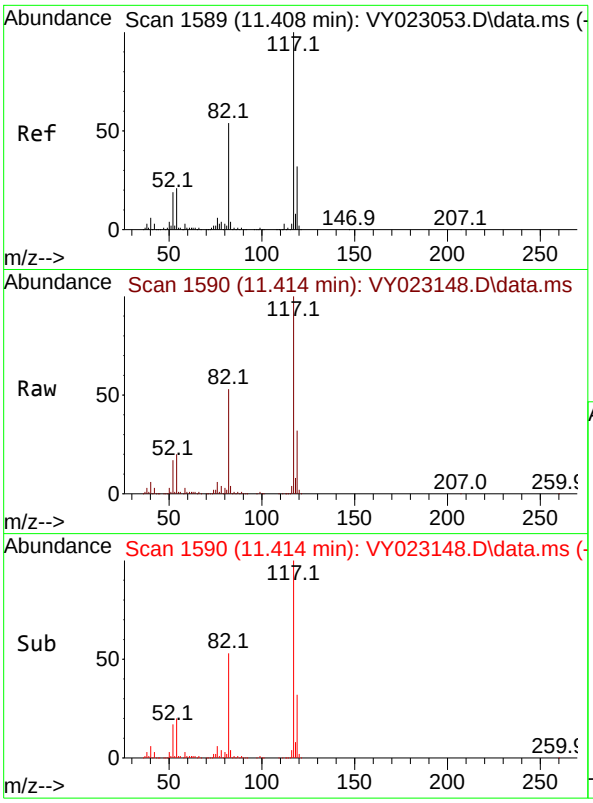


#62
4-Bromofluorobenzene
Concen: 39.600 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion: 95 Resp: 305078

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	171.6
176	85.3	0.0	167.6



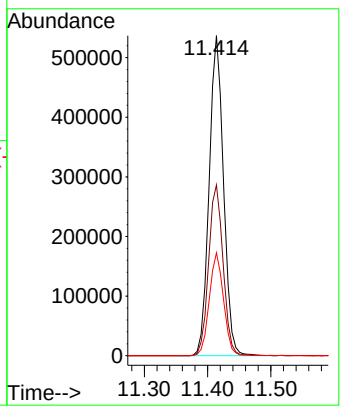


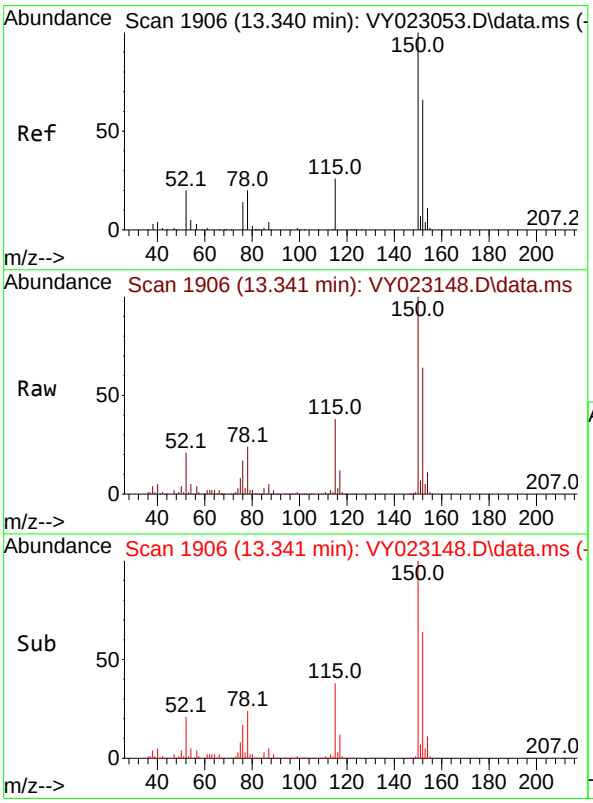
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:117 Resp: 847176

Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.0
119	32.1	25.6	38.4

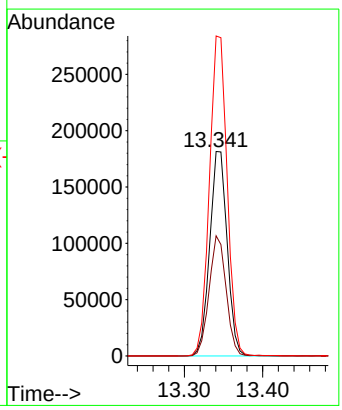




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion:152 Resp: 281414

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.2	84.6
150	158.3	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.1
Sample Wt/Vol:	3.6 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:	Date Analyzed	Prep Batch ID
VY023166.D	1	08/20/25 11:27	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0064	U	0.0018	0.0064	0.0080	mg/Kg
74-87-3	Chloromethane	0.0040	U	0.0018	0.0040	0.0080	mg/Kg
75-01-4	Vinyl Chloride	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
74-83-9	Bromomethane	0.0064	U	0.0017	0.0064	0.0080	mg/Kg
75-00-3	Chloroethane	0.0040	U	0.0020	0.0040	0.0080	mg/Kg
109-99-9	Tetrahydrofuran	0.020	U	0.0074	0.020	0.040	mg/Kg
75-69-4	Trichlorofluoromethane	0.0064	U	0.0019	0.0064	0.0080	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0040	U	0.0017	0.0040	0.0080	mg/Kg
75-35-4	1,1-Dichloroethene	0.0040	U	0.0016	0.0040	0.0080	mg/Kg
107-13-1	Acrylonitrile	0.020	U	0.0079	0.020	0.040	mg/Kg
67-64-1	Acetone	0.032	U	0.0076	0.032	0.040	mg/Kg
75-15-0	Carbon Disulfide	0.0064	U	0.0017	0.0064	0.0080	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
75-09-2	Methylene Chloride	0.013	U	0.0056	0.013	0.016	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0040	U	0.0014	0.0040	0.0080	mg/Kg
75-34-3	1,1-Dichloroethane	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
78-93-3	2-Butanone	0.032	U	0.010	0.032	0.040	mg/Kg
56-23-5	Carbon Tetrachloride	0.0040	U	0.0015	0.0040	0.0080	mg/Kg
594-20-7	2,2-Dichloropropane	0.0064	U	0.0020	0.0064	0.0080	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
67-66-3	Chloroform	0.0064	U	0.0013	0.0064	0.0080	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0040	U	0.0015	0.0040	0.0080	mg/Kg
563-58-6	1,1-Dichloropropene	0.0040	U	0.0014	0.0040	0.0080	mg/Kg
71-43-2	Benzene	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
107-06-2	1,2-Dichloroethane	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
79-01-6	Trichloroethene	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
78-87-5	1,2-Dichloropropane	0.0040	U	0.0015	0.0040	0.0080	mg/Kg
74-95-3	Dibromomethane	0.0040	U	0.0014	0.0040	0.0080	mg/Kg
75-27-4	Bromodichloromethane	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.020	U	0.0057	0.020	0.040	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.1
Sample Wt/Vol:	3.6 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:	Date Analyzed	Prep Batch ID
VY023166.D	1	08/20/25 11:27	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0040	U	0.0010	0.0040	0.0080	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0040	U	0.00099	0.0040	0.0080	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0040	U	0.0015	0.0040	0.0080	mg/Kg
142-28-9	1,3-Dichloropropane	0.0040	U	0.0011	0.0040	0.0080	mg/Kg
591-78-6	2-Hexanone	0.020	U	0.0059	0.020	0.040	mg/Kg
124-48-1	Dibromochloromethane	0.0040	U	0.0014	0.0040	0.0080	mg/Kg
106-93-4	1,2-Dibromoethane	0.0040	U	0.0014	0.0040	0.0080	mg/Kg
127-18-4	Tetrachloroethene	0.0040	U	0.0017	0.0040	0.0080	mg/Kg
108-90-7	Chlorobenzene	0.0040	U	0.0015	0.0040	0.0080	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
100-41-4	Ethyl Benzene	0.0040	U	0.0011	0.0040	0.0080	mg/Kg
1330-20-7	Total Xylenes	0.012	U	0.0033	0.012	0.024	mg/Kg
179601-23-1	m/p-Xylenes	0.0080	U	0.0020	0.0080	0.016	mg/Kg
95-47-6	o-Xylene	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
100-42-5	Styrene	0.0040	U	0.0011	0.0040	0.0080	mg/Kg
75-25-2	Bromoform	0.0040	U	0.0014	0.0040	0.0080	mg/Kg
98-82-8	Isopropylbenzene	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0040	U	0.0019	0.0040	0.0080	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0064	U	0.0020	0.0064	0.0080	mg/Kg
108-86-1	Bromobenzene	0.0040	U	0.0019	0.0040	0.0080	mg/Kg
103-65-1	n-propylbenzene	0.0040	U	0.0012	0.0040	0.0080	mg/Kg
95-49-8	2-Chlorotoluene	0.0040	U	0.0011	0.0040	0.0080	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0040	U	0.0013	0.0040	0.0080	mg/Kg
106-43-4	4-Chlorotoluene	0.0040	U	0.0019	0.0040	0.0080	mg/Kg
98-06-6	tert-Butylbenzene	0.0040	U	0.0011	0.0040	0.0080	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0040	U	0.0010	0.0040	0.0080	mg/Kg
135-98-8	sec-Butylbenzene	0.0040	U	0.0011	0.0040	0.0080	mg/Kg
99-87-6	p-Isopropyltoluene	0.0040	U	0.00099	0.0040	0.0080	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0040	U	0.0027	0.0040	0.0080	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0040	U	0.0025	0.0040	0.0080	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.1
Sample Wt/Vol:	3.6 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:	Date Analyzed	Prep Batch ID
VY023166.D	1	08/20/25 11:27	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0040	U	0.0023	0.0040	0.0080	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0040	U	0.0023	0.0040	0.0080	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0064	U	0.0029	0.0064	0.0080	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0064	U	0.0047	0.0064	0.0080	mg/Kg
87-68-3	Hexachlorobutadiene	0.0040	U	0.0030	0.0040	0.0080	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0064	U	0.0051	0.0064	0.0080	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0040	U	0.0017	0.0040	0.0080	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.3		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		79 - 119		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	539000	7.713				
540-36-3	1,4-Difluorobenzene	995000	8.616				
3114-55-4	Chlorobenzene-d5	799000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.347				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023166.D
Acq On : 20 Aug 2025 11:27
Operator : SY/MD
Sample : Q2879-03
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 20 11:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	539019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	995282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	798711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	234966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	275365	53.602	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.200%			
35) Dibromofluoromethane	7.634	113	311698	52.338	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.680%			
50) Toluene-d8	10.109	98	1169704	50.276	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.560%			
62) 4-Bromofluorobenzene	12.408	95	317312	42.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.820%			

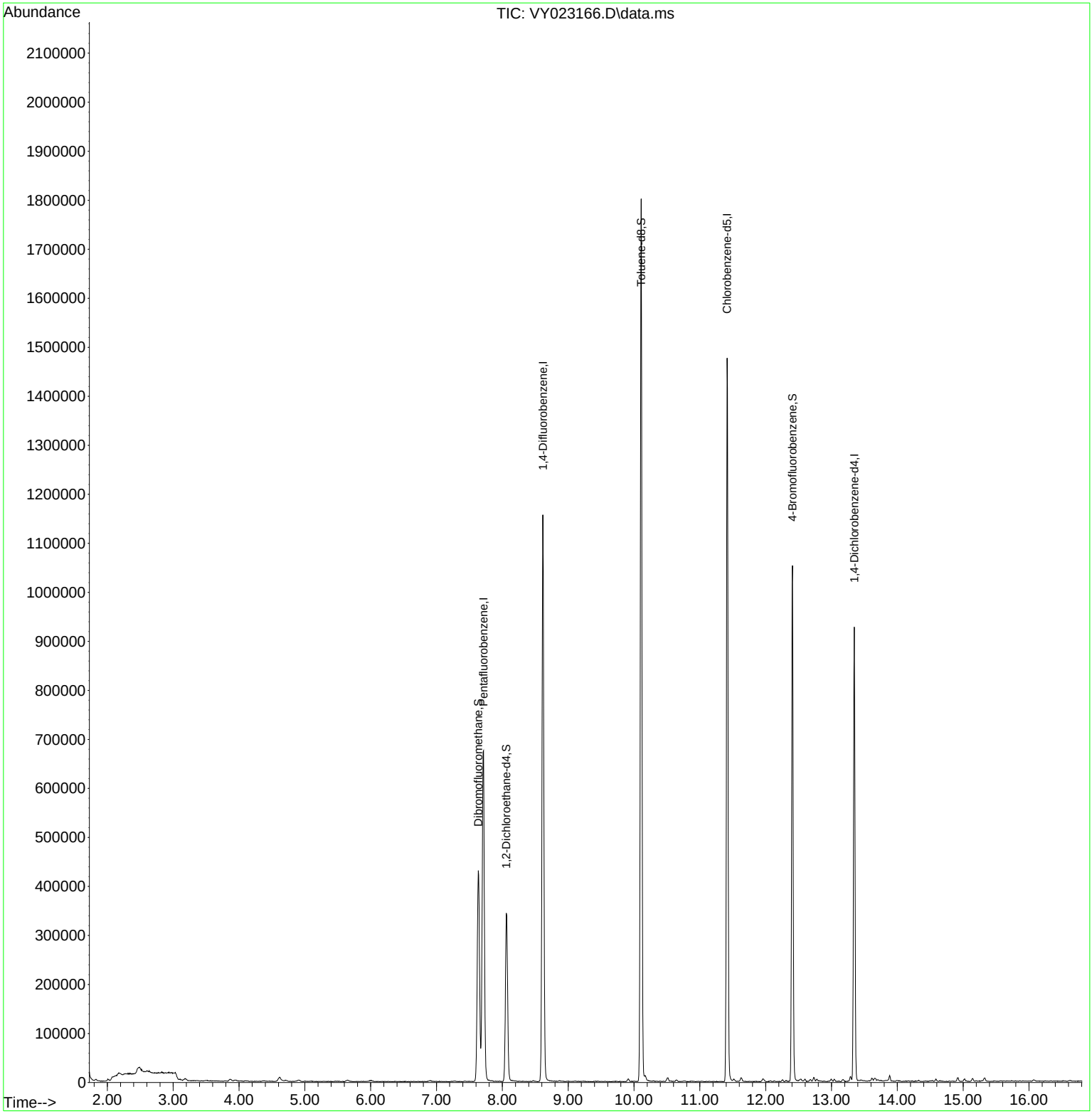
Target Compounds Qvalue

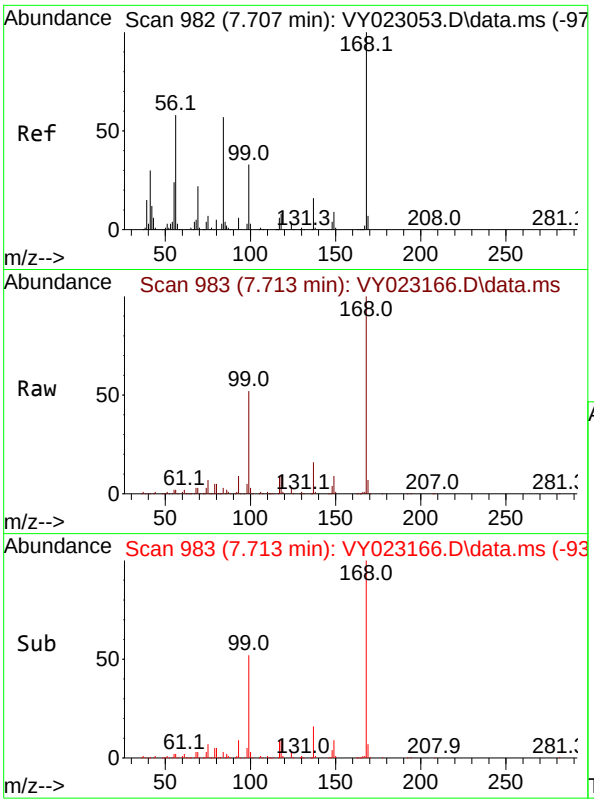
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023166.D
Acq On : 20 Aug 2025 11:27
Operator : SY/MD
Sample : Q2879-03
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 20 11:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



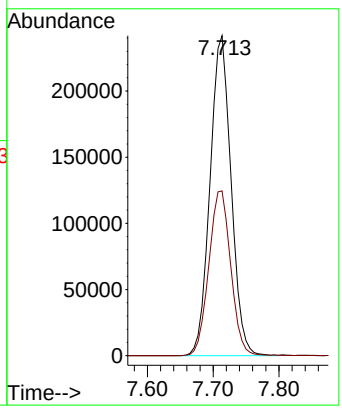


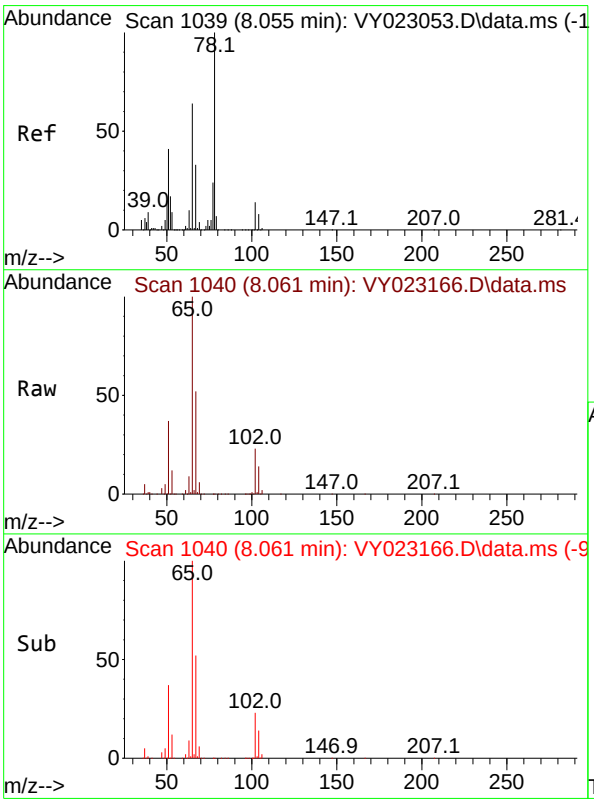
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:168 Resp: 539019

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.8	64.2

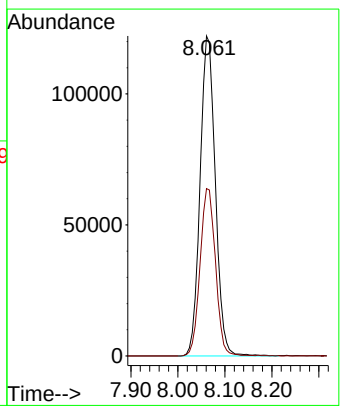


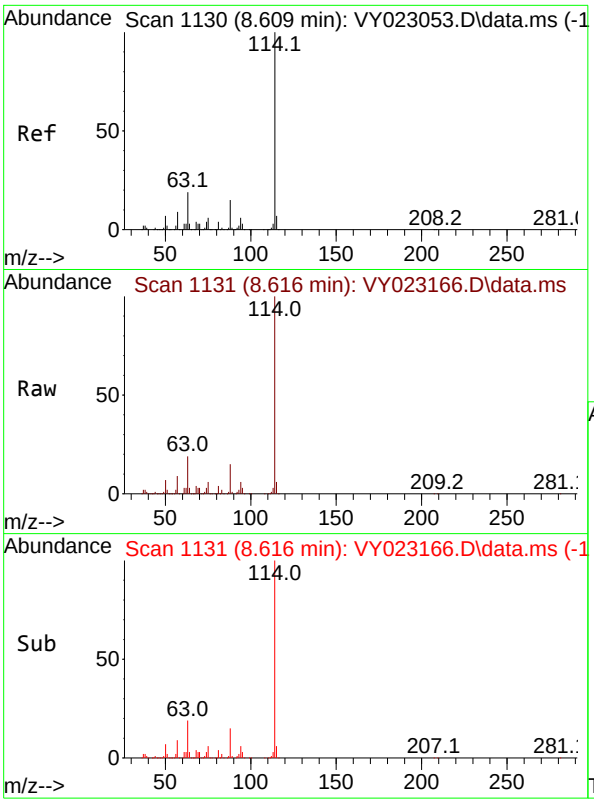


#33
1,2-Dichloroethane-d4
Concen: 53.602 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Tgt Ion: 65 Resp: 275365

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.8



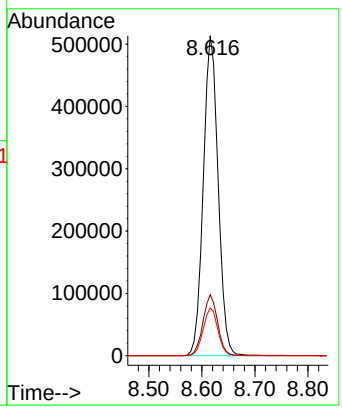


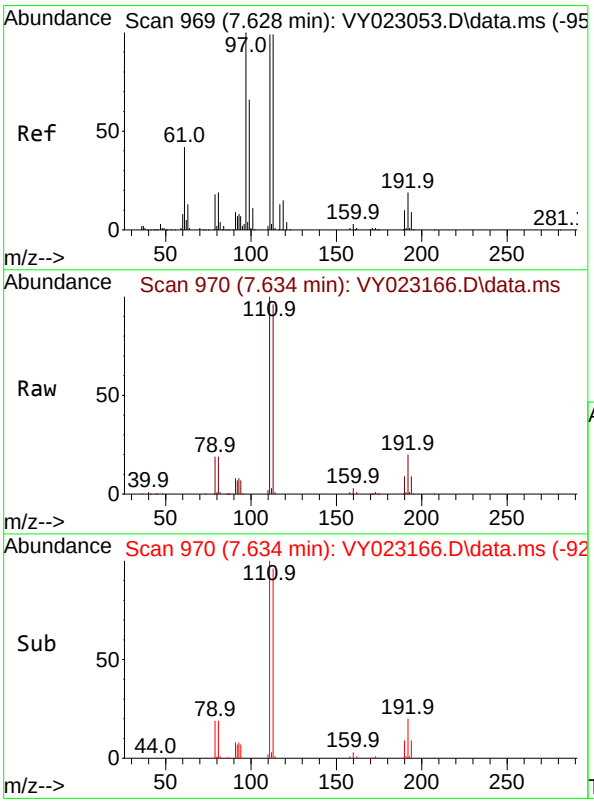
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:114 Resp: 995282

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	14.9	0.0	30.0

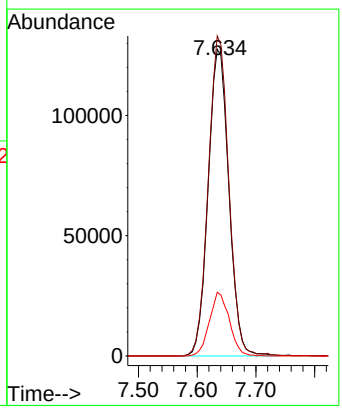


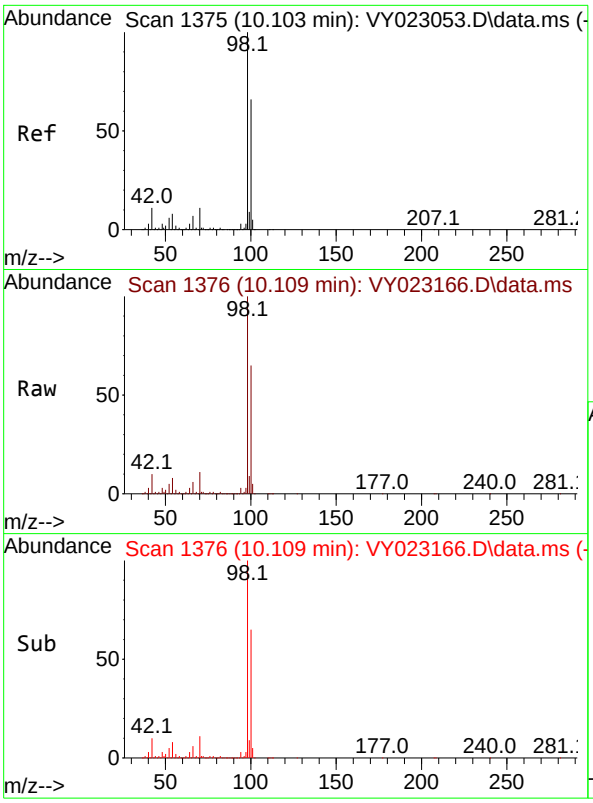


#35
Dibromofluoromethane
Concen: 52.338 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Tgt Ion:113 Resp: 311698

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	20.0	16.2	24.4



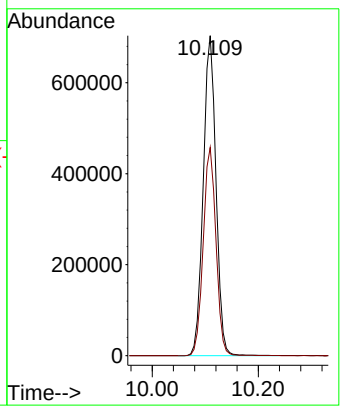


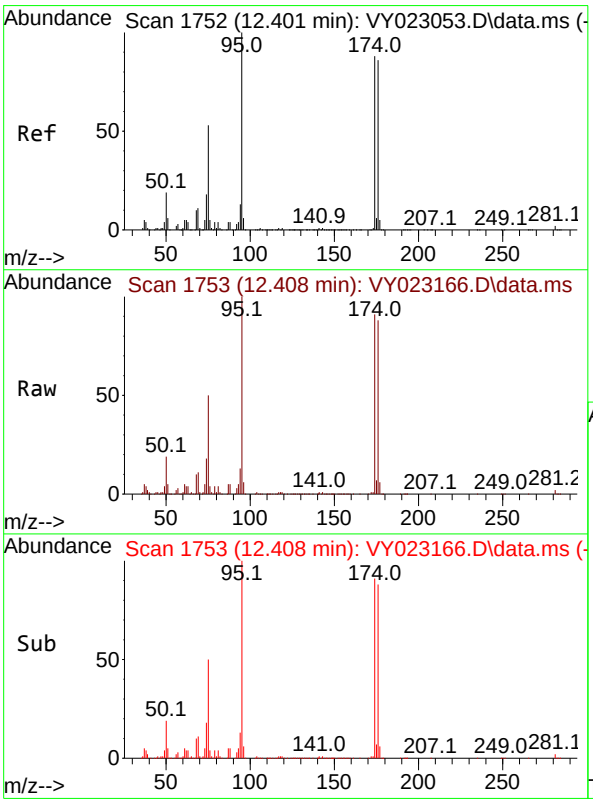
#50
Toluene-d8
Concen: 50.276 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion: 98 Resp: 1169704

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

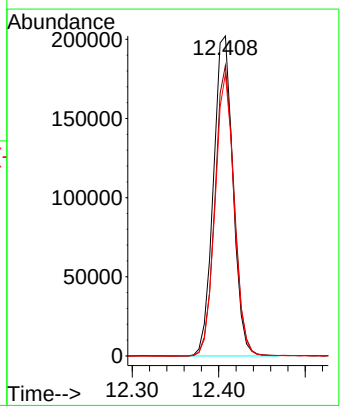


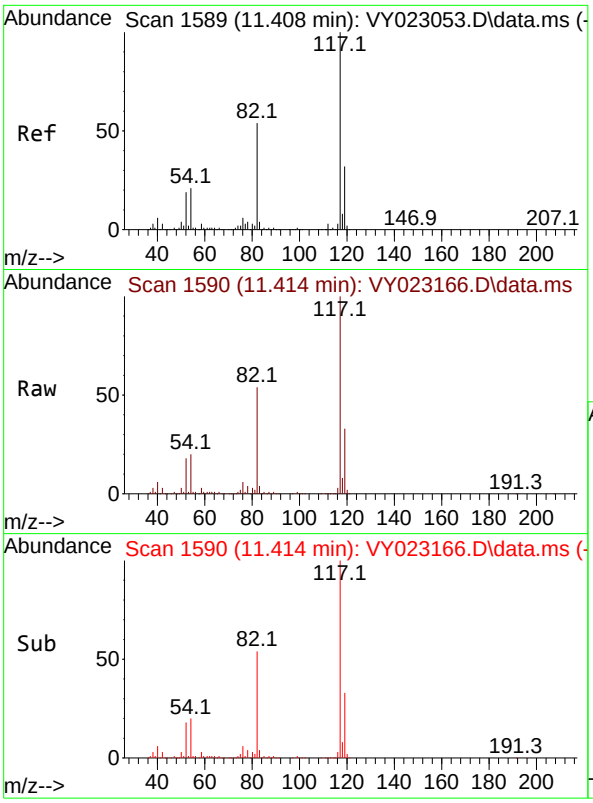


#62
4-Bromofluorobenzene
Concen: 42.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Tgt Ion: 95 Resp: 317312

Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	171.6
176	85.7	0.0	167.6



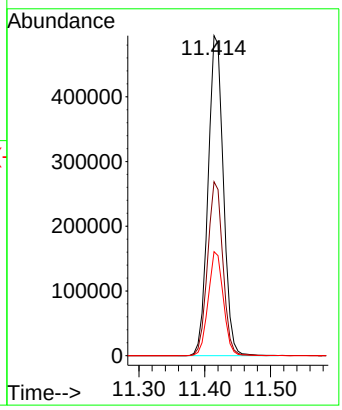


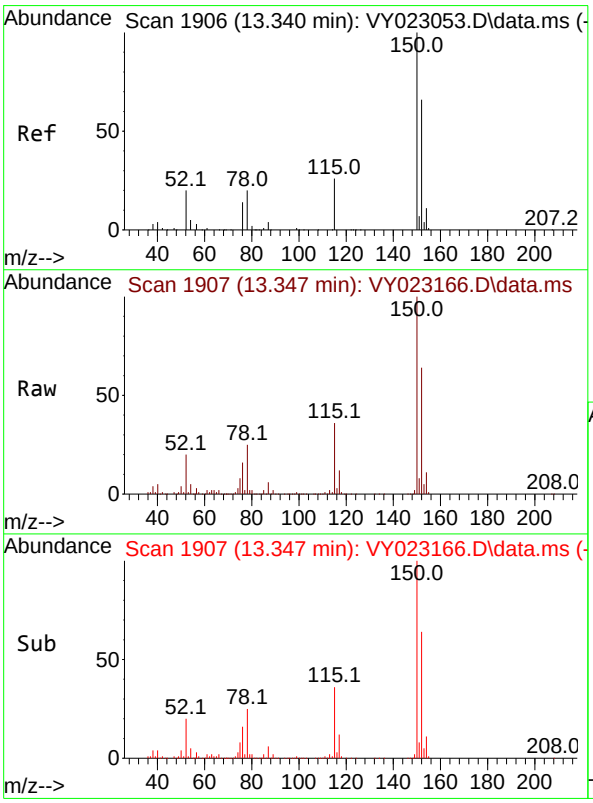
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:117 Resp: 798711

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	32.5	25.6	38.4

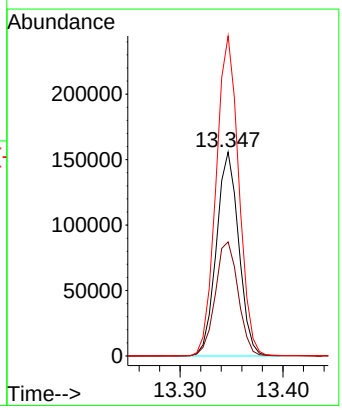




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023166.D
Acq: 20 Aug 2025 11:27

Tgt Ion:152 Resp: 234966

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.2	84.6
150	159.3	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.1
Sample Wt/Vol:	3.6 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:	Date Analyzed	Prep Batch ID
VY023167.D	1	08/20/25 11:50	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0060	U	0.0017	0.0060	0.0075	mg/Kg
74-87-3	Chloromethane	0.0037	U	0.0017	0.0037	0.0075	mg/Kg
75-01-4	Vinyl Chloride	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
74-83-9	Bromomethane	0.0060	U	0.0016	0.0060	0.0075	mg/Kg
75-00-3	Chloroethane	0.0037	U	0.0019	0.0037	0.0075	mg/Kg
109-99-9	Tetrahydrofuran	0.019	U	0.0070	0.019	0.037	mg/Kg
75-69-4	Trichlorofluoromethane	0.0060	U	0.0018	0.0060	0.0075	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0037	U	0.0016	0.0037	0.0075	mg/Kg
75-35-4	1,1-Dichloroethene	0.0037	U	0.0015	0.0037	0.0075	mg/Kg
107-13-1	Acrylonitrile	0.019	U	0.0074	0.019	0.037	mg/Kg
67-64-1	Acetone	0.030	U	0.0071	0.030	0.037	mg/Kg
75-15-0	Carbon Disulfide	0.0060	U	0.0016	0.0060	0.0075	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0037	U	0.0011	0.0037	0.0075	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0053	0.012	0.015	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0037	U	0.0013	0.0037	0.0075	mg/Kg
75-34-3	1,1-Dichloroethane	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
78-93-3	2-Butanone	0.030	U	0.0098	0.030	0.037	mg/Kg
56-23-5	Carbon Tetrachloride	0.0037	U	0.0014	0.0037	0.0075	mg/Kg
594-20-7	2,2-Dichloropropane	0.0060	U	0.0019	0.0060	0.0075	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0037	U	0.0011	0.0037	0.0075	mg/Kg
67-66-3	Chloroform	0.0060	U	0.0013	0.0060	0.0075	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0037	U	0.0014	0.0037	0.0075	mg/Kg
563-58-6	1,1-Dichloropropene	0.0037	U	0.0013	0.0037	0.0075	mg/Kg
71-43-2	Benzene	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
107-06-2	1,2-Dichloroethane	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
79-01-6	Trichloroethene	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
78-87-5	1,2-Dichloropropane	0.0037	U	0.0014	0.0037	0.0075	mg/Kg
74-95-3	Dibromomethane	0.0037	U	0.0013	0.0037	0.0075	mg/Kg
75-27-4	Bromodichloromethane	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.019	U	0.0053	0.019	0.037	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.1
Sample Wt/Vol:	3.6 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:	Date Analyzed	Prep Batch ID
VY023167.D	1	08/20/25 11:50	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0037	U	0.00097	0.0037	0.0075	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0037	U	0.00092	0.0037	0.0075	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0037	U	0.0014	0.0037	0.0075	mg/Kg
142-28-9	1,3-Dichloropropane	0.0037	U	0.0010	0.0037	0.0075	mg/Kg
591-78-6	2-Hexanone	0.019	U	0.0055	0.019	0.037	mg/Kg
124-48-1	Dibromochloromethane	0.0037	U	0.0013	0.0037	0.0075	mg/Kg
106-93-4	1,2-Dibromoethane	0.0037	U	0.0013	0.0037	0.0075	mg/Kg
127-18-4	Tetrachloroethene	0.0037	U	0.0016	0.0037	0.0075	mg/Kg
108-90-7	Chlorobenzene	0.0037	U	0.0014	0.0037	0.0075	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0037	U	0.0011	0.0037	0.0075	mg/Kg
100-41-4	Ethyl Benzene	0.0037	U	0.0010	0.0037	0.0075	mg/Kg
1330-20-7	Total Xylenes	0.011	U	0.0030	0.011	0.022	mg/Kg
179601-23-1	m/p-Xylenes	0.0075	U	0.0018	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
100-42-5	Styrene	0.0037	U	0.0011	0.0037	0.0075	mg/Kg
75-25-2	Bromoform	0.0037	U	0.0013	0.0037	0.0075	mg/Kg
98-82-8	Isopropylbenzene	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0037	U	0.0018	0.0037	0.0075	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0060	U	0.0018	0.0060	0.0075	mg/Kg
108-86-1	Bromobenzene	0.0037	U	0.0018	0.0037	0.0075	mg/Kg
103-65-1	n-propylbenzene	0.0037	U	0.0011	0.0037	0.0075	mg/Kg
95-49-8	2-Chlorotoluene	0.0037	U	0.0010	0.0037	0.0075	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0037	U	0.0012	0.0037	0.0075	mg/Kg
106-43-4	4-Chlorotoluene	0.0037	U	0.0018	0.0037	0.0075	mg/Kg
98-06-6	tert-Butylbenzene	0.0037	U	0.0010	0.0037	0.0075	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0037	U	0.00095	0.0037	0.0075	mg/Kg
135-98-8	sec-Butylbenzene	0.0037	U	0.00098	0.0037	0.0075	mg/Kg
99-87-6	p-Isopropyltoluene	0.0037	U	0.00092	0.0037	0.0075	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0037	U	0.0026	0.0037	0.0075	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0037	U	0.0023	0.0037	0.0075	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.1
Sample Wt/Vol:	3.6 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:	Date Analyzed	Prep Batch ID
VY023167.D	1	08/20/25 11:50	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0037	U	0.0022	0.0037	0.0075	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0037	U	0.0022	0.0037	0.0075	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0060	U	0.0027	0.0060	0.0075	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0060	U	0.0044	0.0060	0.0075	mg/Kg
87-68-3	Hexachlorobutadiene	0.0037	U	0.0028	0.0037	0.0075	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0060	U	0.0047	0.0060	0.0075	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0037	U	0.0016	0.0037	0.0075	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.3		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	530000	7.713				
540-36-3	1,4-Difluorobenzene	976000	8.615				
3114-55-4	Chlorobenzene-d5	790000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	241000	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\VY082025\
Data File : VY023167.D
Acq On : 20 Aug 2025 11:50
Operator : SY/MD
Sample : Q2879-05
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 20 15:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	530041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	976268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	789979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	241273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	274369	54.313	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.634	113	317272	54.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.620%			
50) Toluene-d8	10.109	98	1143416	50.104	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.401	95	308680	42.059	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.120%			

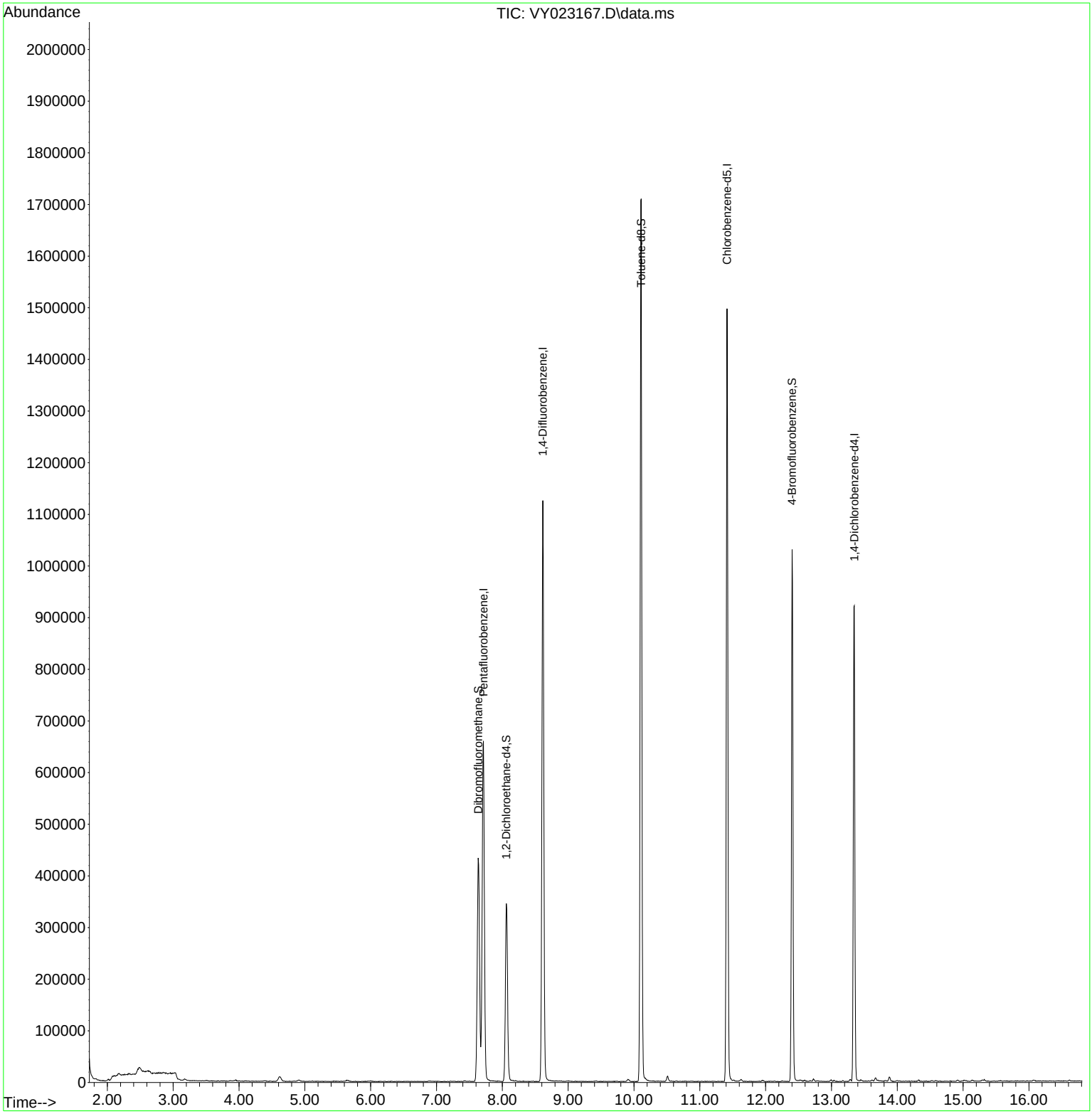
Target Compounds Qvalue

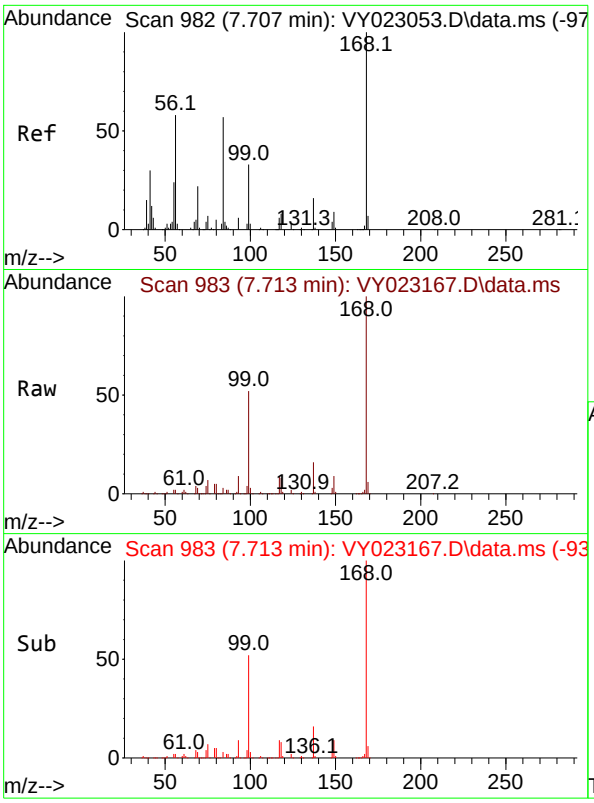
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023167.D
Acq On : 20 Aug 2025 11:50
Operator : SY/MD
Sample : Q2879-05
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 20 15:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



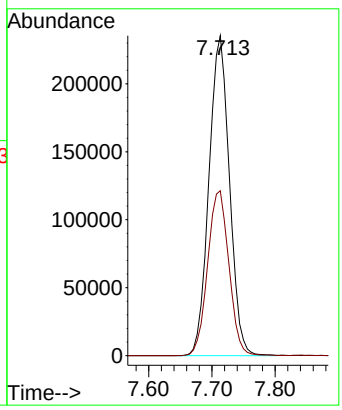


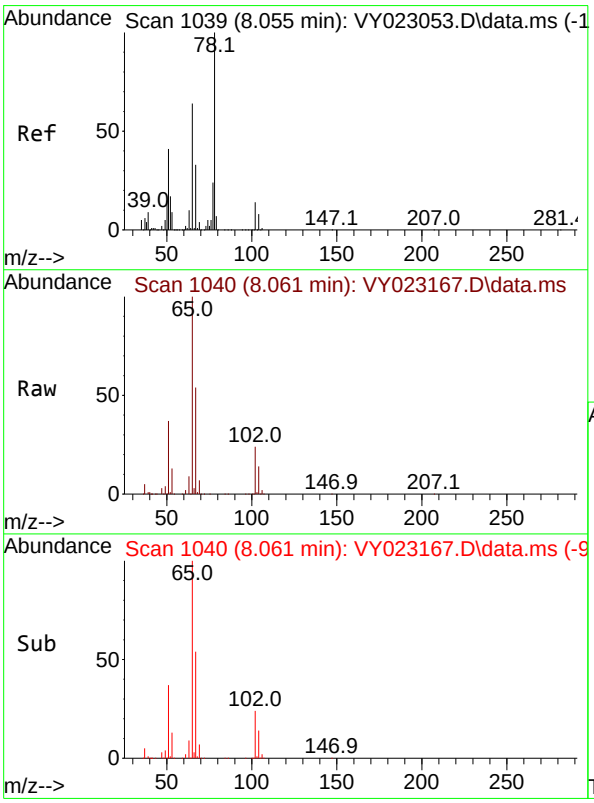
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:168 Resp: 530041

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.8	64.2

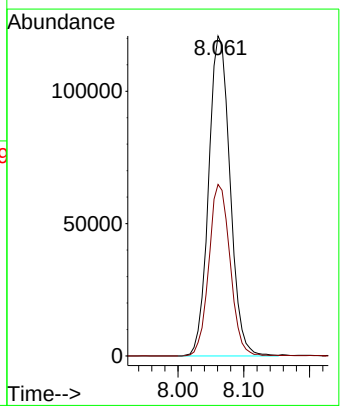


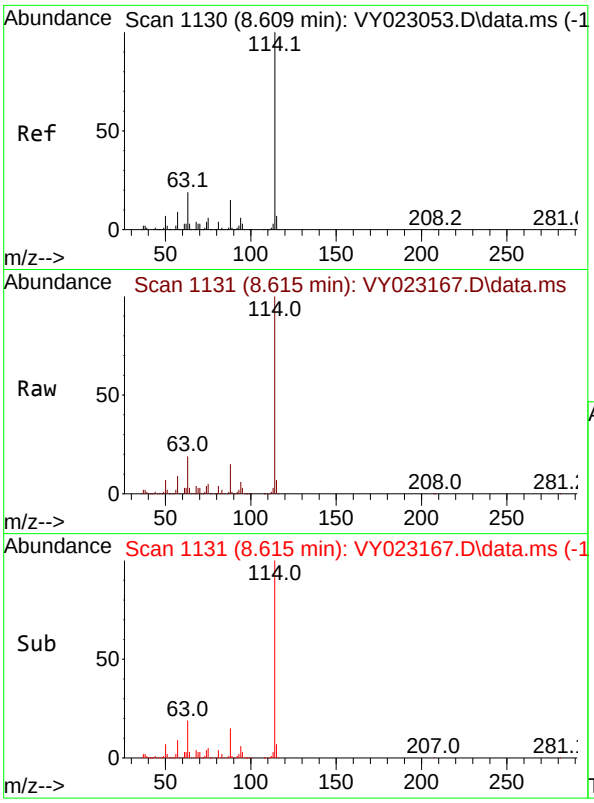


#33
1,2-Dichloroethane-d4
Concen: 54.313 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion: 65 Resp: 274369

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8



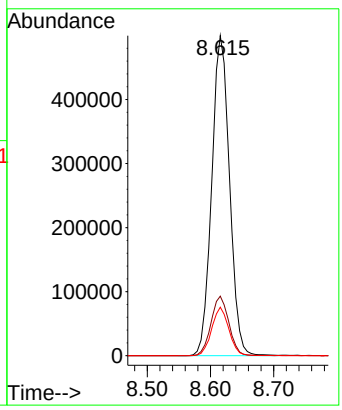


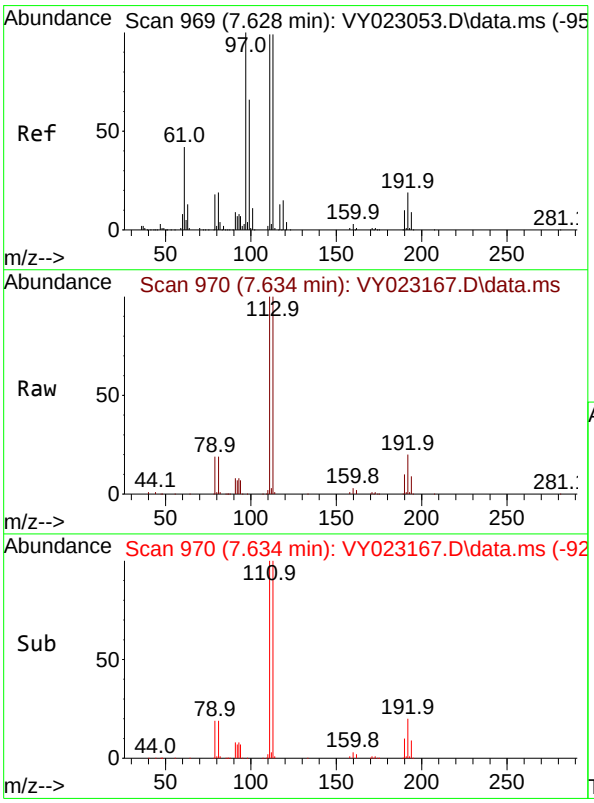
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:114 Resp: 976268

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.2	0.0	30.0

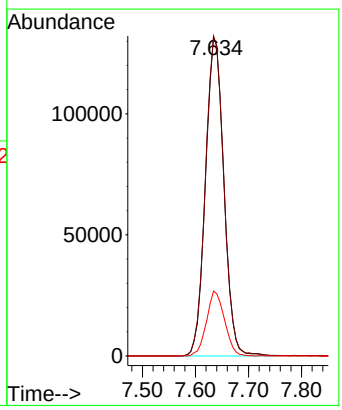


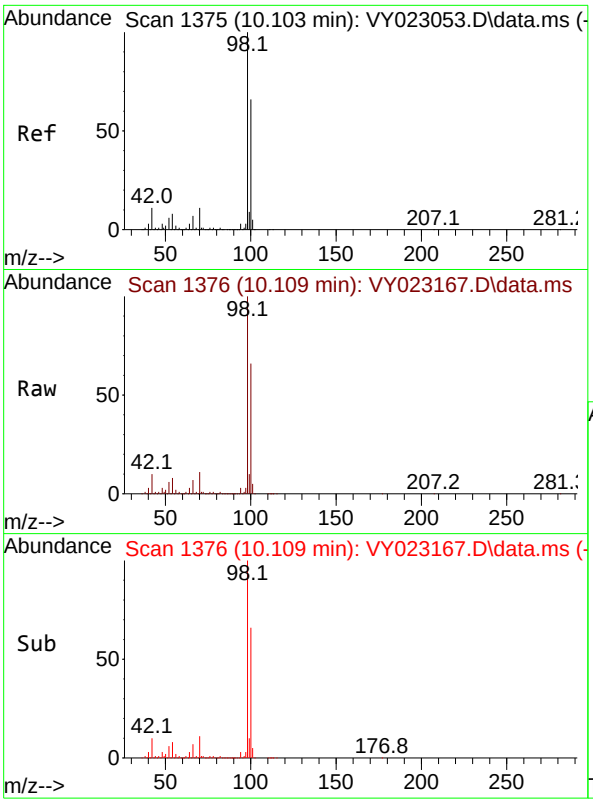


#35
Dibromofluoromethane
Concen: 54.312 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion:113 Resp: 317272

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.1	121.7
192	19.9	16.2	24.4



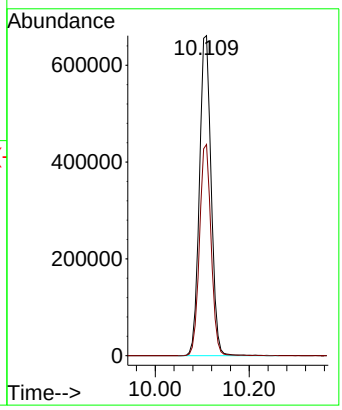


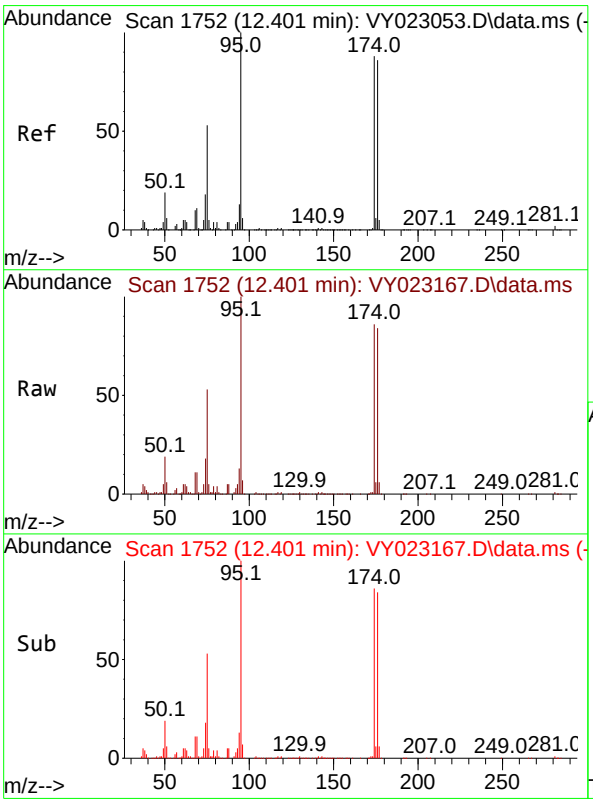
#50
Toluene-d8
Concen: 50.104 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 98 Resp: 1143416

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

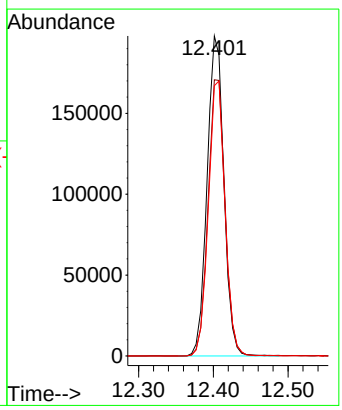


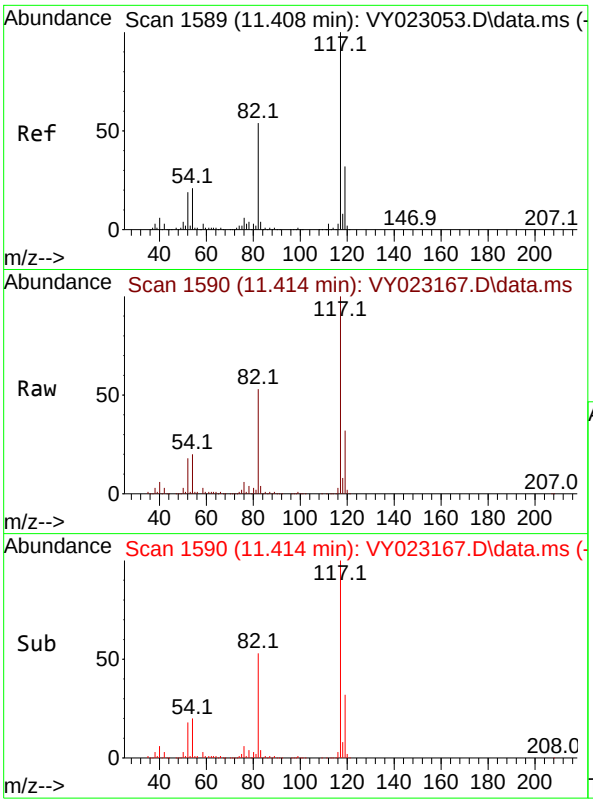


#62
4-Bromofluorobenzene
Concen: 42.059 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion: 95 Resp: 308680

Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	171.6
176	85.5	0.0	167.6



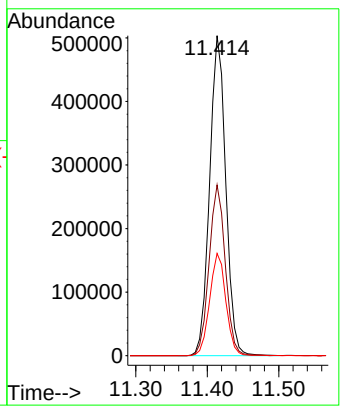


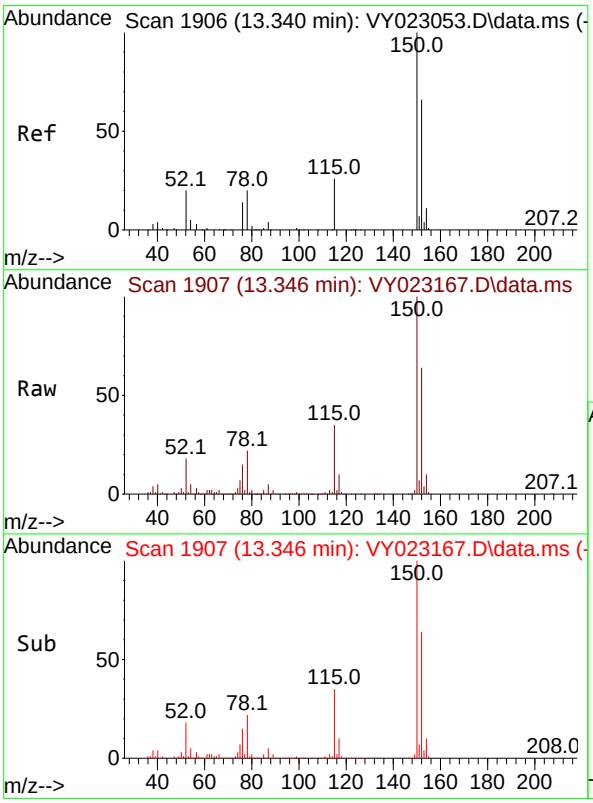
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:117 Resp: 789979

Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.4	65.0
119	32.0	25.6	38.4

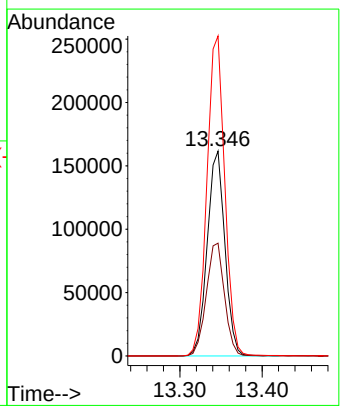




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion:152 Resp: 241273

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.6
150	157.6	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.8
Sample Wt/Vol:	4.69 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:	Date Analyzed	Prep Batch ID
VY023151.D	1	08/19/25 15:15	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0047	U	0.0013	0.0047	0.0059	mg/Kg
74-87-3	Chloromethane	0.0029	U	0.0013	0.0029	0.0059	mg/Kg
75-01-4	Vinyl Chloride	0.0029	U	0.00093	0.0029	0.0059	mg/Kg
74-83-9	Bromomethane	0.0047	U	0.0013	0.0047	0.0059	mg/Kg
75-00-3	Chloroethane	0.0029	U	0.0015	0.0029	0.0059	mg/Kg
109-99-9	Tetrahydrofuran	0.015	U	0.0055	0.015	0.029	mg/Kg
75-69-4	Trichlorofluoromethane	0.0047	U	0.0014	0.0047	0.0059	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0029	U	0.0012	0.0029	0.0059	mg/Kg
75-35-4	1,1-Dichloroethene	0.0029	U	0.0012	0.0029	0.0059	mg/Kg
107-13-1	Acrylonitrile	0.015	U	0.0058	0.015	0.029	mg/Kg
67-64-1	Acetone	0.024	U	0.0056	0.024	0.029	mg/Kg
75-15-0	Carbon Disulfide	0.0047	U	0.0012	0.0047	0.0059	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0029	U	0.00086	0.0029	0.0059	mg/Kg
75-09-2	Methylene Chloride	0.0094	U	0.0041	0.0094	0.012	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0029	U	0.0010	0.0029	0.0059	mg/Kg
75-34-3	1,1-Dichloroethane	0.0029	U	0.00094	0.0029	0.0059	mg/Kg
78-93-3	2-Butanone	0.024	U	0.0077	0.024	0.029	mg/Kg
56-23-5	Carbon Tetrachloride	0.0029	U	0.0011	0.0029	0.0059	mg/Kg
594-20-7	2,2-Dichloropropane	0.0047	U	0.0015	0.0047	0.0059	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0029	U	0.00088	0.0029	0.0059	mg/Kg
67-66-3	Chloroform	0.0047	U	0.00099	0.0047	0.0059	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0029	U	0.0011	0.0029	0.0059	mg/Kg
563-58-6	1,1-Dichloropropene	0.0029	U	0.0010	0.0029	0.0059	mg/Kg
71-43-2	Benzene	0.0029	U	0.00093	0.0029	0.0059	mg/Kg
107-06-2	1,2-Dichloroethane	0.0029	U	0.00093	0.0029	0.0059	mg/Kg
79-01-6	Trichloroethene	0.0029	U	0.00095	0.0029	0.0059	mg/Kg
78-87-5	1,2-Dichloropropane	0.0029	U	0.0011	0.0029	0.0059	mg/Kg
74-95-3	Dibromomethane	0.0029	U	0.0010	0.0029	0.0059	mg/Kg
75-27-4	Bromodichloromethane	0.0029	U	0.00092	0.0029	0.0059	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.015	U	0.0042	0.015	0.029	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.8
Sample Wt/Vol:	4.69 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:	Date Analyzed	Prep Batch ID
VY023151.D	1	08/19/25 15:15	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0029	U	0.00092	0.0029	0.0059	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0029	U	0.00076	0.0029	0.0059	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0029	U	0.00073	0.0029	0.0059	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0029	U	0.0011	0.0029	0.0059	mg/Kg
142-28-9	1,3-Dichloropropane	0.0029	U	0.00080	0.0029	0.0059	mg/Kg
591-78-6	2-Hexanone	0.015	U	0.0043	0.015	0.029	mg/Kg
124-48-1	Dibromochloromethane	0.0029	U	0.0010	0.0029	0.0059	mg/Kg
106-93-4	1,2-Dibromoethane	0.0029	U	0.0010	0.0029	0.0059	mg/Kg
127-18-4	Tetrachloroethene	0.0029	U	0.0012	0.0029	0.0059	mg/Kg
108-90-7	Chlorobenzene	0.0029	U	0.0011	0.0029	0.0059	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0029	U	0.00090	0.0029	0.0059	mg/Kg
100-41-4	Ethyl Benzene	0.0029	U	0.00079	0.0029	0.0059	mg/Kg
179601-23-1	m/p-Xylenes	0.0059	U	0.0015	0.0059	0.012	mg/Kg
1330-20-7	Total Xylenes	0.0088	U	0.0025	0.0088	0.018	mg/Kg
95-47-6	o-Xylene	0.0029	U	0.00096	0.0029	0.0059	mg/Kg
100-42-5	Styrene	0.0029	U	0.00083	0.0029	0.0059	mg/Kg
75-25-2	Bromoform	0.0029	U	0.0010	0.0029	0.0059	mg/Kg
98-82-8	Isopropylbenzene	0.0029	U	0.00092	0.0029	0.0059	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0029	U	0.0014	0.0029	0.0059	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0047	U	0.0015	0.0047	0.0059	mg/Kg
108-86-1	Bromobenzene	0.0029	U	0.0014	0.0029	0.0059	mg/Kg
103-65-1	n-propylbenzene	0.0029	U	0.00086	0.0029	0.0059	mg/Kg
95-49-8	2-Chlorotoluene	0.0029	U	0.00080	0.0029	0.0059	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0029	U	0.00096	0.0029	0.0059	mg/Kg
106-43-4	4-Chlorotoluene	0.0029	U	0.0014	0.0029	0.0059	mg/Kg
98-06-6	tert-Butylbenzene	0.0029	U	0.00079	0.0029	0.0059	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0029	U	0.00075	0.0029	0.0059	mg/Kg
135-98-8	sec-Butylbenzene	0.0029	U	0.00077	0.0029	0.0059	mg/Kg
99-87-6	p-Isopropyltoluene	0.0029	U	0.00073	0.0029	0.0059	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0029	U	0.0020	0.0029	0.0059	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0029	U	0.0018	0.0029	0.0059	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.8
Sample Wt/Vol:	4.69 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:	Date Analyzed	Prep Batch ID
VY023151.D	1	08/19/25 15:15	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0029	U	0.0017	0.0029	0.0059	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0029	U	0.0017	0.0029	0.0059	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0047	U	0.0022	0.0047	0.0059	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0047	U	0.0035	0.0047	0.0059	mg/Kg
87-68-3	Hexachlorobutadiene	0.0029	U	0.0022	0.0029	0.0059	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0047	U	0.0037	0.0047	0.0059	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0029	U	0.0012	0.0029	0.0059	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	536000	7.707				
540-36-3	1,4-Difluorobenzene	992000	8.616				
3114-55-4	Chlorobenzene-d5	817000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	274000	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\VY081925\
Data File : VY023151.D
Acq On : 19 Aug 2025 15:15
Operator : SY/MD
Sample : Q2879-07
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 20 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	536443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	992296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	817130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	273589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	279015	54.573	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.140%			
35) Dibromofluoromethane	7.634	113	308780	52.004	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.103	98	1164065	50.185	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.402	95	295354	39.593	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.180%			

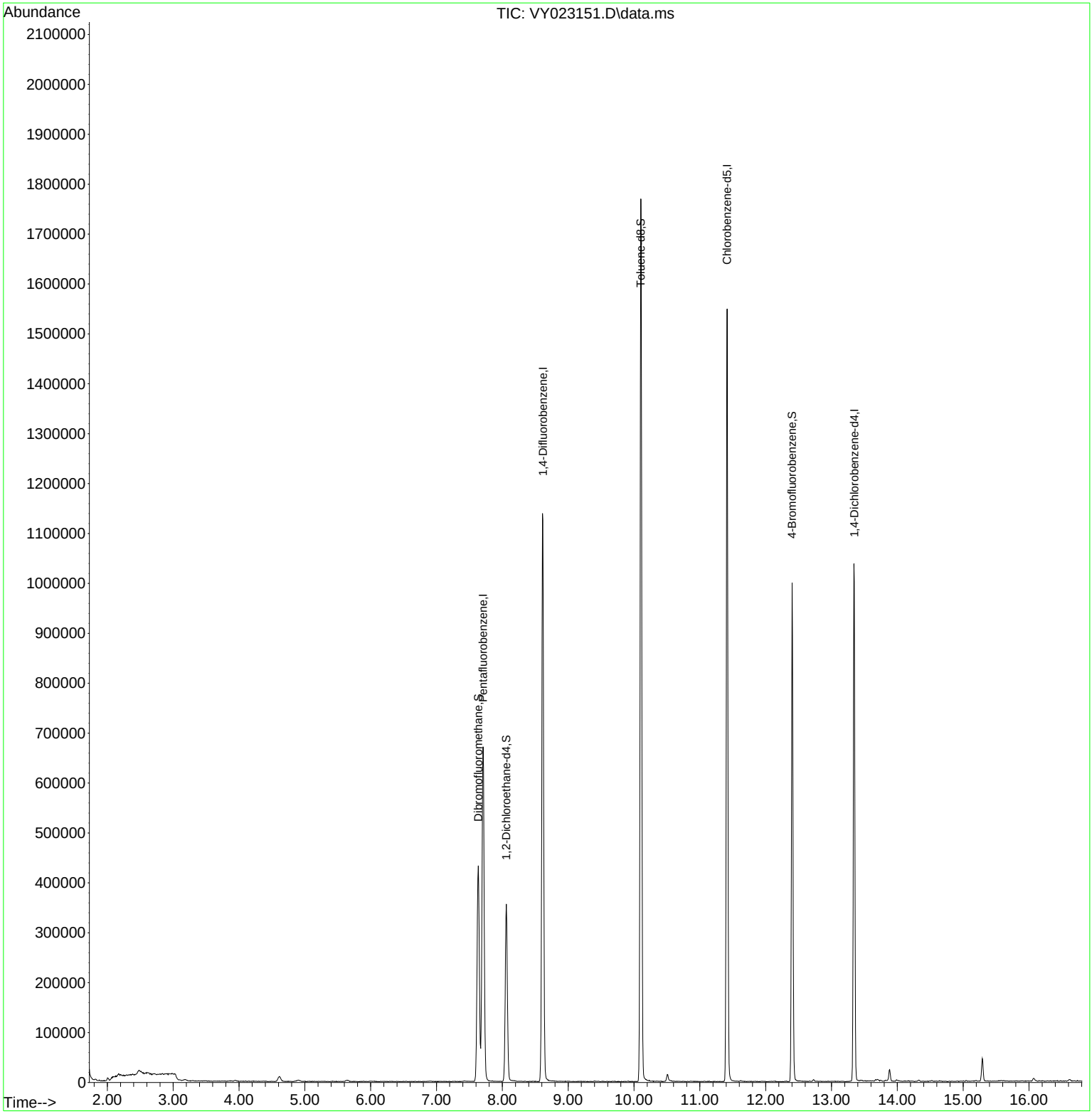
Target Compounds Qvalue

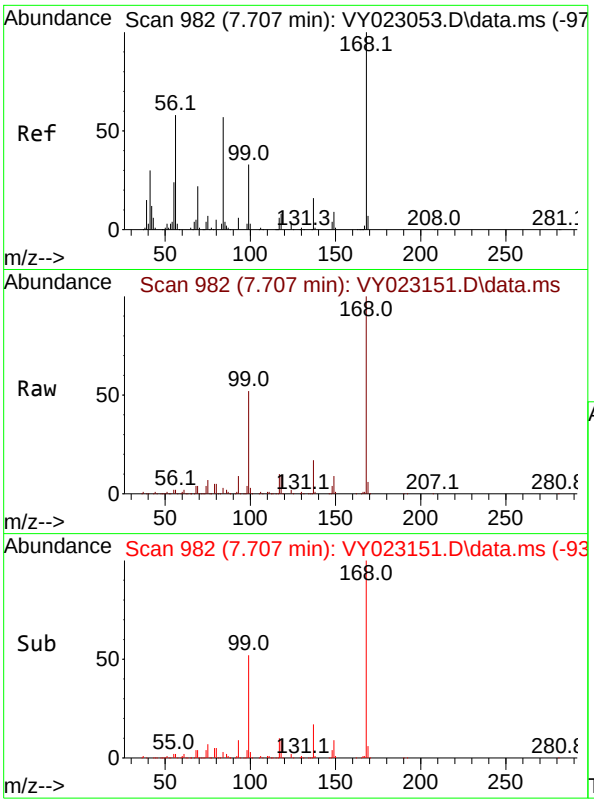
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023151.D
Acq On : 19 Aug 2025 15:15
Operator : SY/MD
Sample : Q2879-07
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 20 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



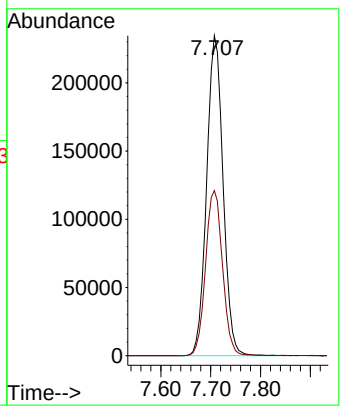


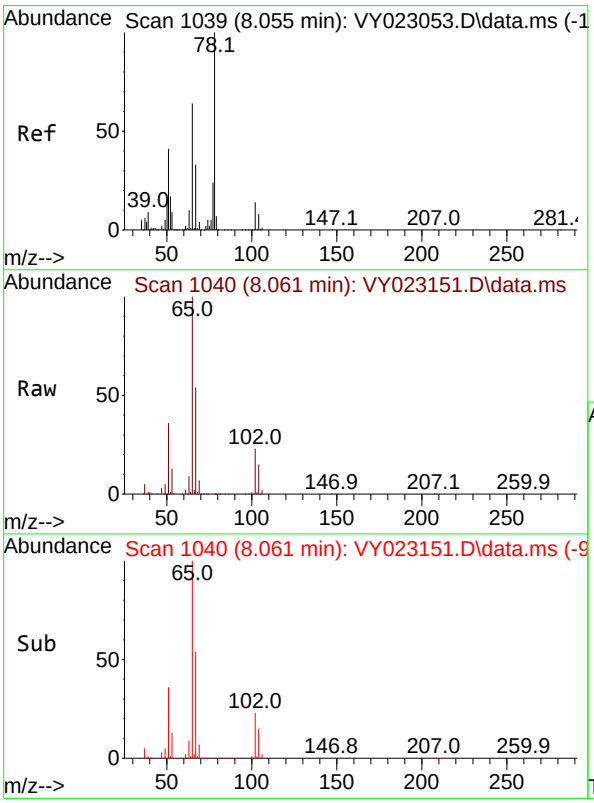
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:168 Resp: 536443

Ion	Ratio	Lower	Upper
168	100		
99	51.6	42.8	64.2

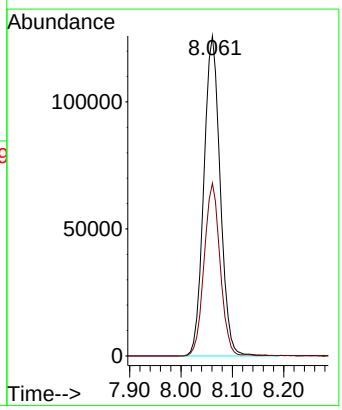


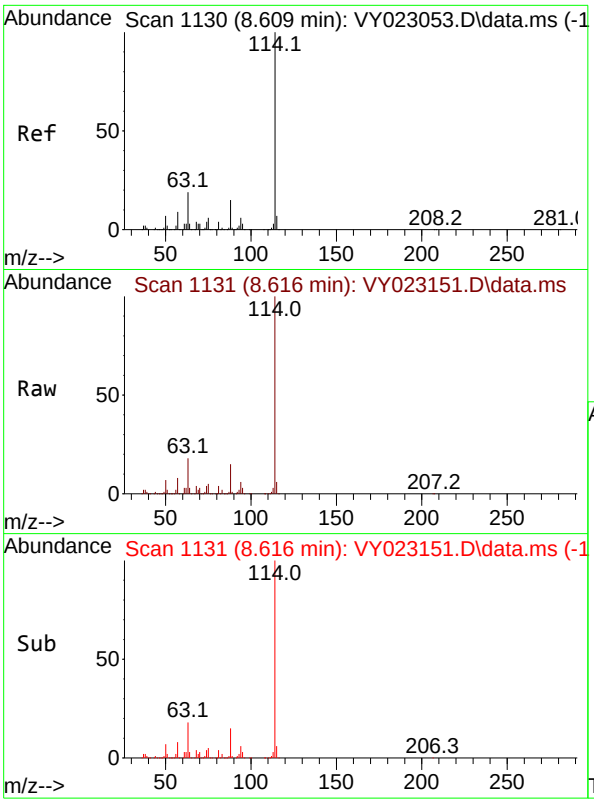


#33
1,2-Dichloroethane-d4
Concen: 54.573 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion: 65 Resp: 279015

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.8



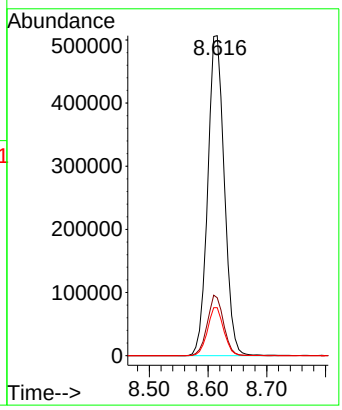


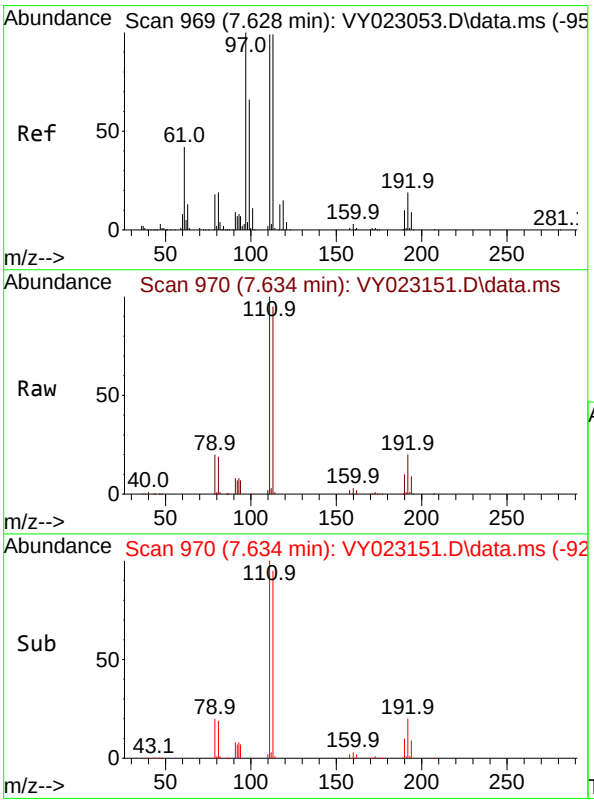
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:114 Resp: 992296

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	15.0	0.0	30.0

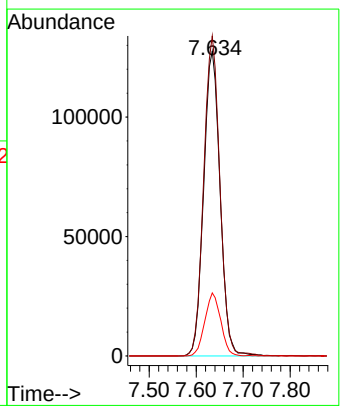


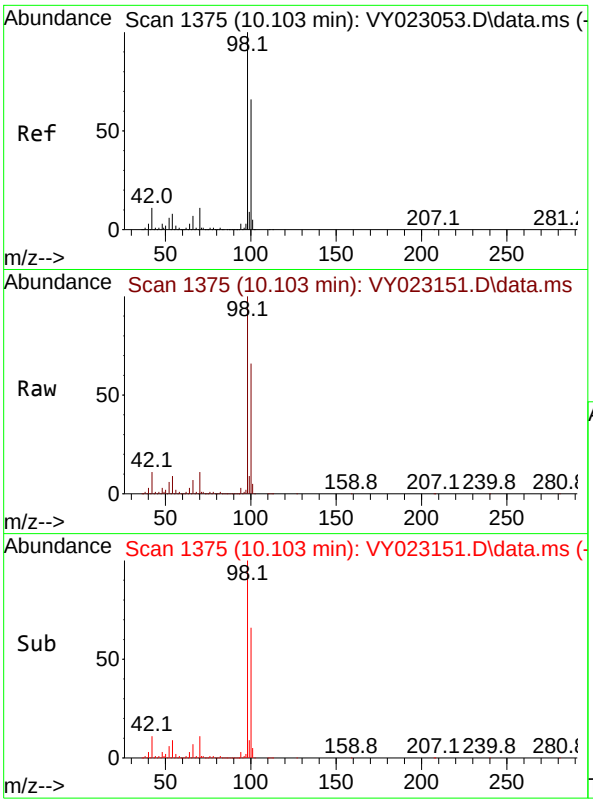


#35
Dibromofluoromethane
Concen: 52.004 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion:113 Resp: 308780

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	20.0	16.2	24.4



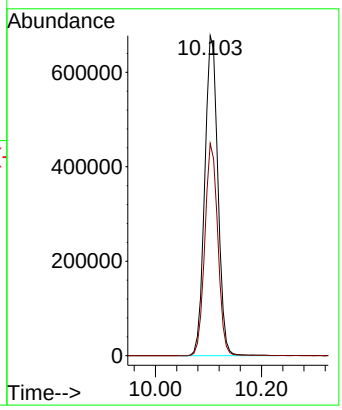


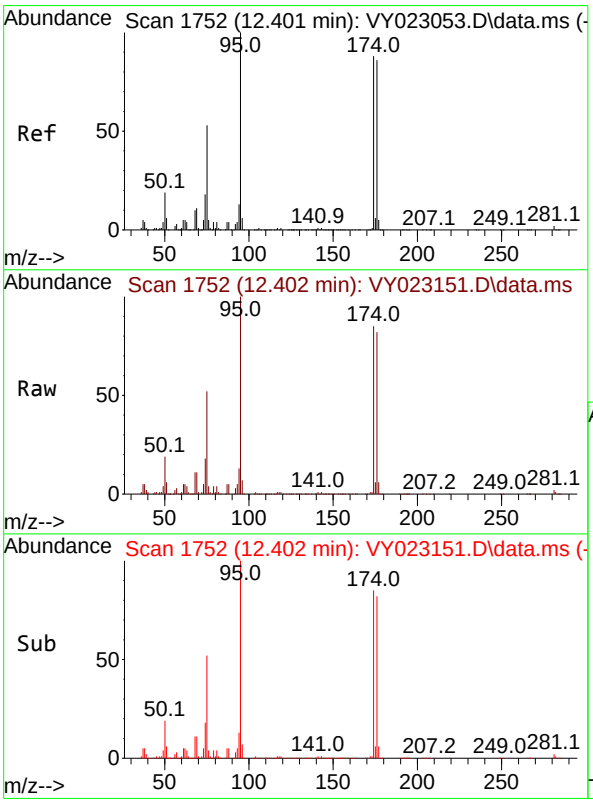
#50
Toluene-d8
Concen: 50.185 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion: 98 Resp: 1164065

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5

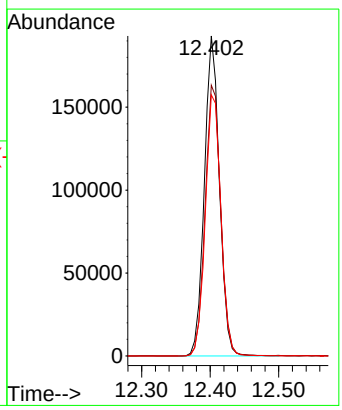


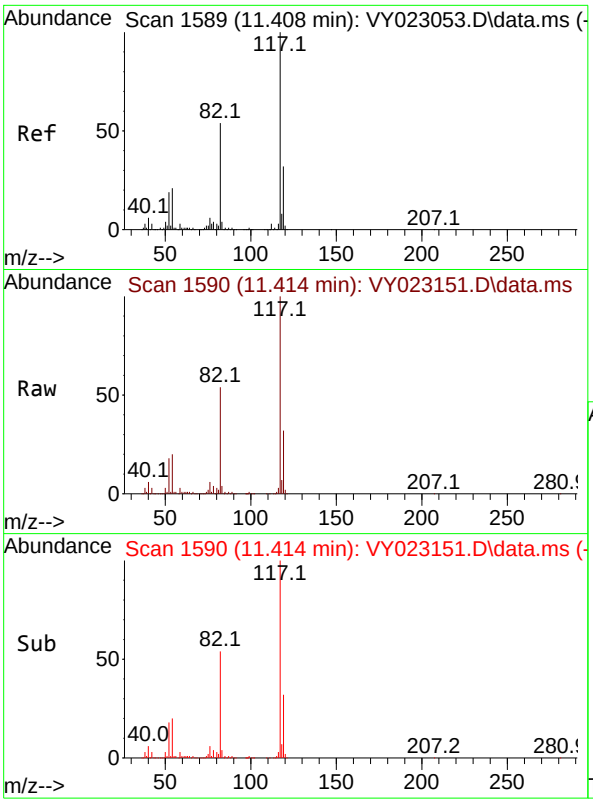


#62
4-Bromofluorobenzene
Concen: 39.593 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion: 95 Resp: 295354

Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	171.6
176	84.6	0.0	167.6



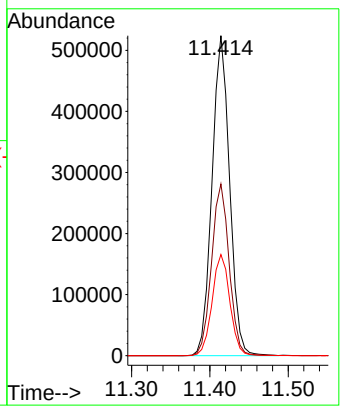


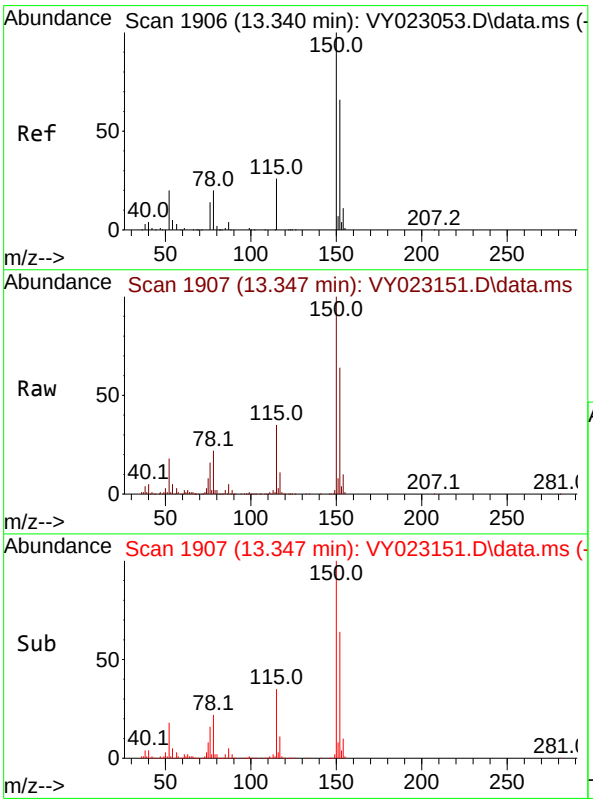
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:117 Resp: 817130

Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.0
119	31.6	25.6	38.4

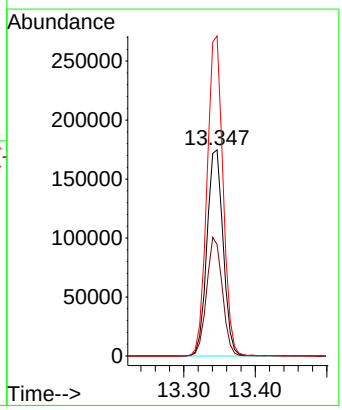




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion:152 Resp: 273589

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.2	84.6
150	153.7	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	4.25 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:	Date Analyzed	Prep Batch ID
VY023168.D	1	08/20/25 12:14	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0050	U	0.0014	0.0050	0.0063	mg/Kg
74-87-3	Chloromethane	0.0031	U	0.0014	0.0031	0.0063	mg/Kg
75-01-4	Vinyl Chloride	0.0031	U	0.00099	0.0031	0.0063	mg/Kg
74-83-9	Bromomethane	0.0050	U	0.0013	0.0050	0.0063	mg/Kg
75-00-3	Chloroethane	0.0031	U	0.0016	0.0031	0.0063	mg/Kg
109-99-9	Tetrahydrofuran	0.016	U	0.0059	0.016	0.032	mg/Kg
75-69-4	Trichlorofluoromethane	0.0050	U	0.0015	0.0050	0.0063	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0031	U	0.0013	0.0031	0.0063	mg/Kg
75-35-4	1,1-Dichloroethene	0.0031	U	0.0013	0.0031	0.0063	mg/Kg
107-13-1	Acrylonitrile	0.016	U	0.0063	0.016	0.032	mg/Kg
67-64-1	Acetone	0.025	U	0.0060	0.025	0.032	mg/Kg
75-15-0	Carbon Disulfide	0.0050	U	0.0013	0.0050	0.0063	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0031	U	0.00092	0.0031	0.0063	mg/Kg
75-09-2	Methylene Chloride	0.010	U	0.0044	0.010	0.013	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
75-34-3	1,1-Dichloroethane	0.0031	U	0.0010	0.0031	0.0063	mg/Kg
78-93-3	2-Butanone	0.025	U	0.0082	0.025	0.032	mg/Kg
56-23-5	Carbon Tetrachloride	0.0031	U	0.0012	0.0031	0.0063	mg/Kg
594-20-7	2,2-Dichloropropane	0.0050	U	0.0016	0.0050	0.0063	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0031	U	0.00094	0.0031	0.0063	mg/Kg
67-66-3	Chloroform	0.0050	U	0.0011	0.0050	0.0063	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0031	U	0.0012	0.0031	0.0063	mg/Kg
563-58-6	1,1-Dichloropropene	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
71-43-2	Benzene	0.0031	U	0.00099	0.0031	0.0063	mg/Kg
107-06-2	1,2-Dichloroethane	0.0031	U	0.00099	0.0031	0.0063	mg/Kg
79-01-6	Trichloroethene	0.0031	U	0.0010	0.0031	0.0063	mg/Kg
78-87-5	1,2-Dichloropropane	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
74-95-3	Dibromomethane	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
75-27-4	Bromodichloromethane	0.0031	U	0.00098	0.0031	0.0063	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.016	U	0.0045	0.016	0.032	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	4.25 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:	Date Analyzed	Prep Batch ID
VY023168.D	1	08/20/25 12:14	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0031	U	0.00098	0.0031	0.0063	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0031	U	0.00082	0.0031	0.0063	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0031	U	0.00078	0.0031	0.0063	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0031	U	0.0012	0.0031	0.0063	mg/Kg
142-28-9	1,3-Dichloropropane	0.0031	U	0.00086	0.0031	0.0063	mg/Kg
591-78-6	2-Hexanone	0.016	U	0.0046	0.016	0.032	mg/Kg
124-48-1	Dibromochloromethane	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
106-93-4	1,2-Dibromoethane	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
127-18-4	Tetrachloroethene	0.0031	U	0.0013	0.0031	0.0063	mg/Kg
108-90-7	Chlorobenzene	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0031	U	0.00097	0.0031	0.0063	mg/Kg
100-41-4	Ethyl Benzene	0.0031	U	0.00084	0.0031	0.0063	mg/Kg
179601-23-1	m/p-Xylenes	0.0063	U	0.0016	0.0063	0.013	mg/Kg
1330-20-7	Total Xylenes	0.0094	U	0.0026	0.0094	0.019	mg/Kg
95-47-6	o-Xylene	0.0031	U	0.0010	0.0031	0.0063	mg/Kg
100-42-5	Styrene	0.0031	U	0.00089	0.0031	0.0063	mg/Kg
75-25-2	Bromoform	0.0031	U	0.0011	0.0031	0.0063	mg/Kg
98-82-8	Isopropylbenzene	0.0031	U	0.00098	0.0031	0.0063	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0031	U	0.0015	0.0031	0.0063	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0050	U	0.0016	0.0050	0.0063	mg/Kg
108-86-1	Bromobenzene	0.0031	U	0.0015	0.0031	0.0063	mg/Kg
103-65-1	n-propylbenzene	0.0031	U	0.00092	0.0031	0.0063	mg/Kg
95-49-8	2-Chlorotoluene	0.0031	U	0.00086	0.0031	0.0063	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0031	U	0.0010	0.0031	0.0063	mg/Kg
106-43-4	4-Chlorotoluene	0.0031	U	0.0015	0.0031	0.0063	mg/Kg
98-06-6	tert-Butylbenzene	0.0031	U	0.00084	0.0031	0.0063	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0031	U	0.00081	0.0031	0.0063	mg/Kg
135-98-8	sec-Butylbenzene	0.0031	U	0.00083	0.0031	0.0063	mg/Kg
99-87-6	p-Isopropyltoluene	0.0031	U	0.00078	0.0031	0.0063	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0031	U	0.0022	0.0031	0.0063	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0031	U	0.0020	0.0031	0.0063	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	4.25 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:	Date Analyzed	Prep Batch ID
VY023168.D	1	08/20/25 12:14	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0031	U	0.0018	0.0031	0.0063	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0031	U	0.0018	0.0031	0.0063	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0050	U	0.0023	0.0050	0.0063	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0050	U	0.0037	0.0050	0.0063	mg/Kg
87-68-3	Hexachlorobutadiene	0.0031	U	0.0024	0.0031	0.0063	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0050	U	0.0040	0.0050	0.0063	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0031	U	0.0013	0.0031	0.0063	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.1		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.6		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	517000	7.707				
540-36-3	1,4-Difluorobenzene	967000	8.616				
3114-55-4	Chlorobenzene-d5	789000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	248000	13.347				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023168.D
Acq On : 20 Aug 2025 12:14
Operator : SY/MD
Sample : Q2879-09
Misc : 4.25g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 20 15:23:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	516659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	966938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	789139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	248201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	276384	56.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.260%			
35) Dibromofluoromethane	7.634	113	310612	53.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.360%			
50) Toluene-d8	10.103	98	1144603	50.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.402	95	303850	41.801	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.600%			

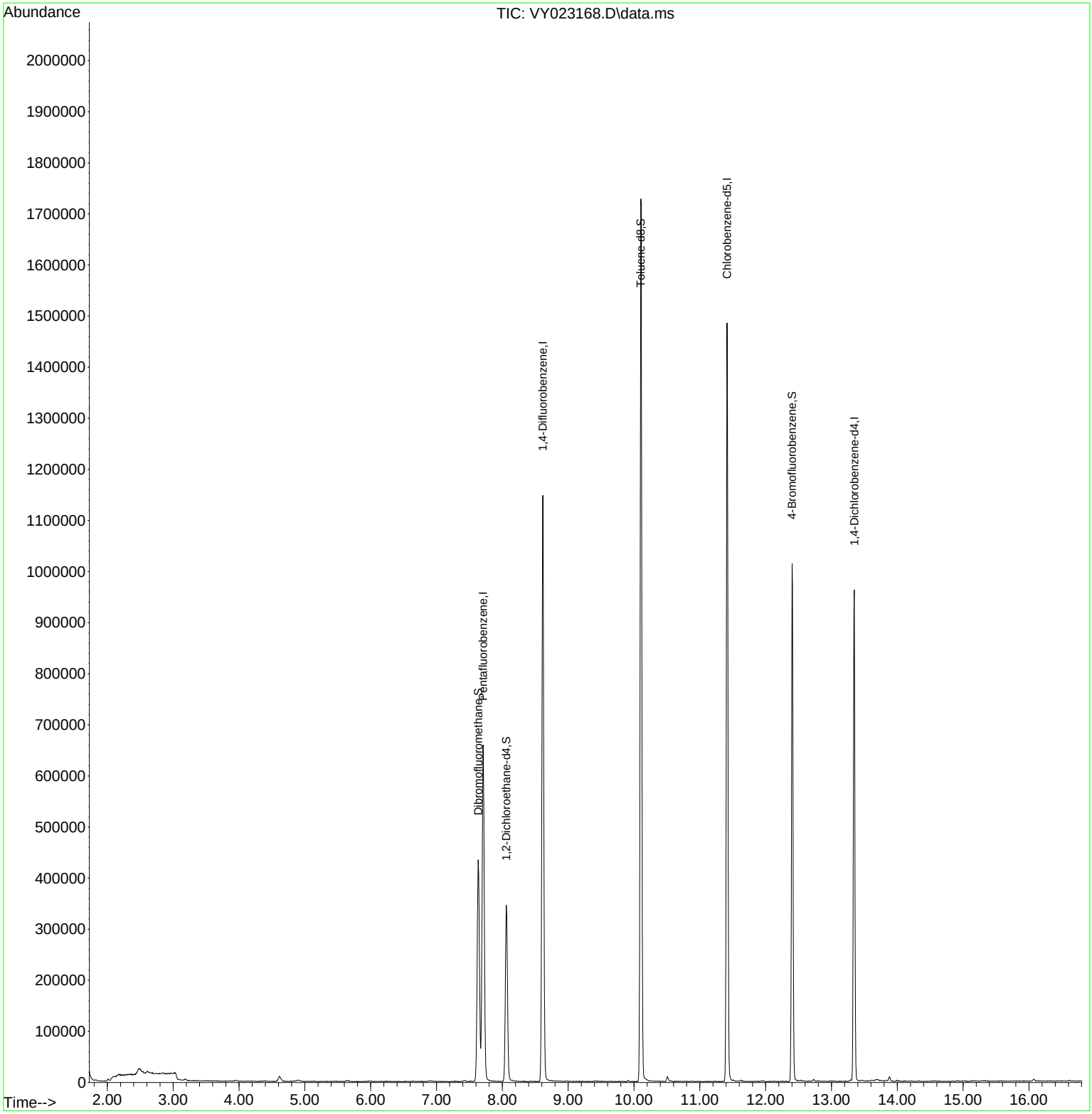
Target Compounds Qvalue

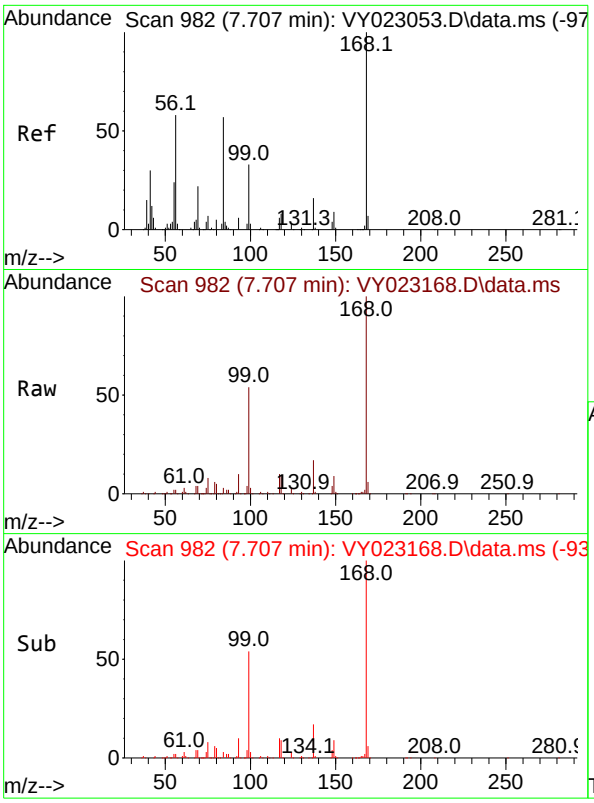
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023168.D
Acq On : 20 Aug 2025 12:14
Operator : SY/MD
Sample : Q2879-09
Misc : 4.25g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 20 15:23:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



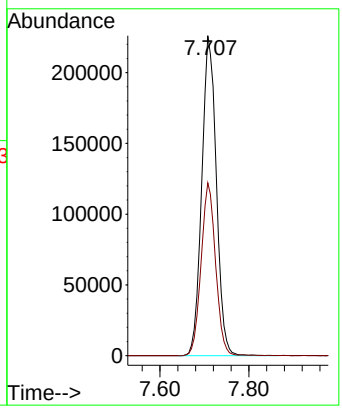


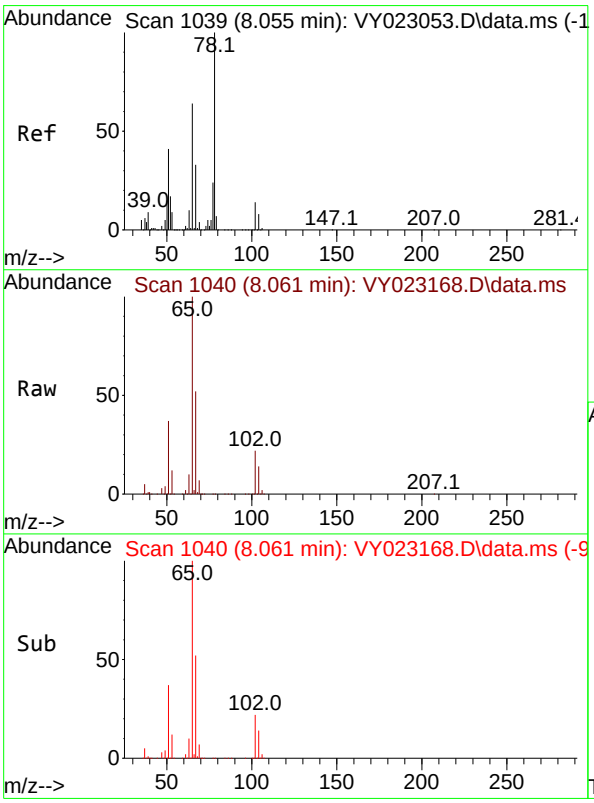
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:168 Resp: 516659

Ion	Ratio	Lower	Upper
168	100		
99	54.0	42.8	64.2

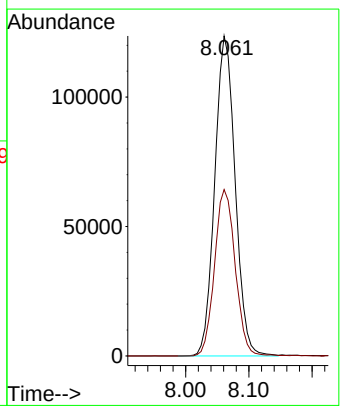


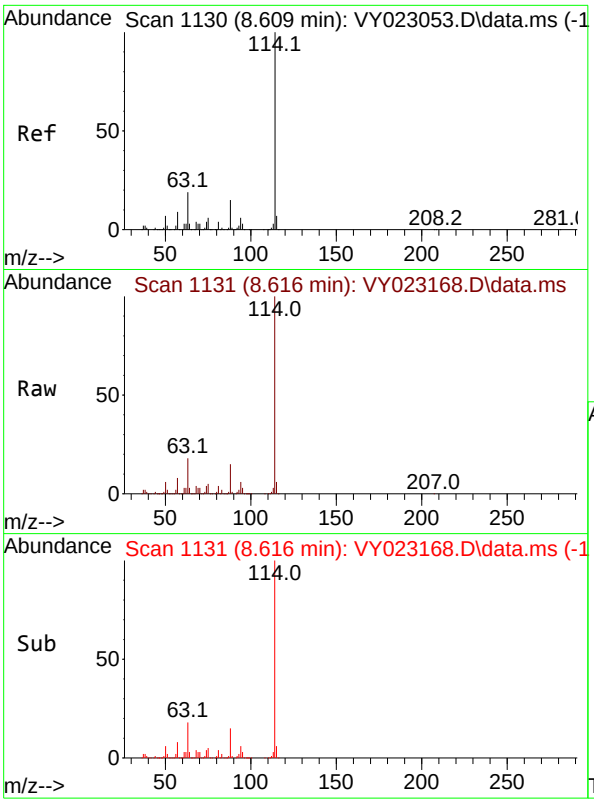


#33
1,2-Dichloroethane-d4
Concen: 56.129 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion: 65 Resp: 276384

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8



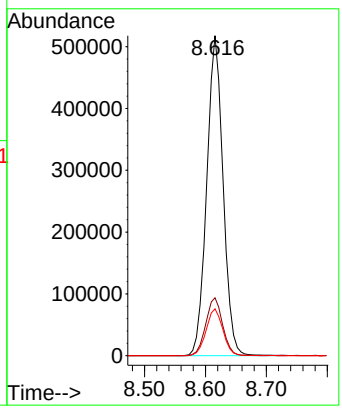


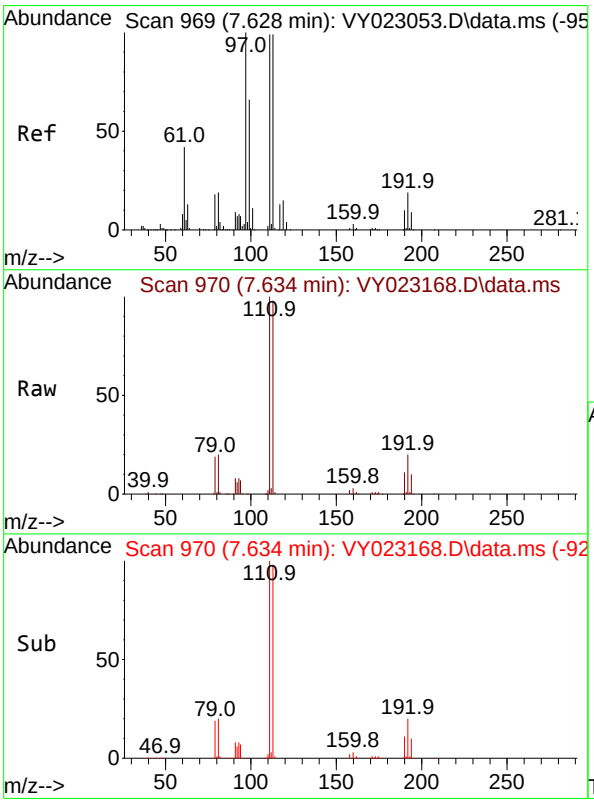
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:114 Resp: 966938

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	14.7	0.0	30.0

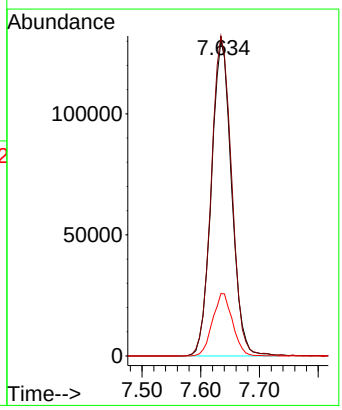


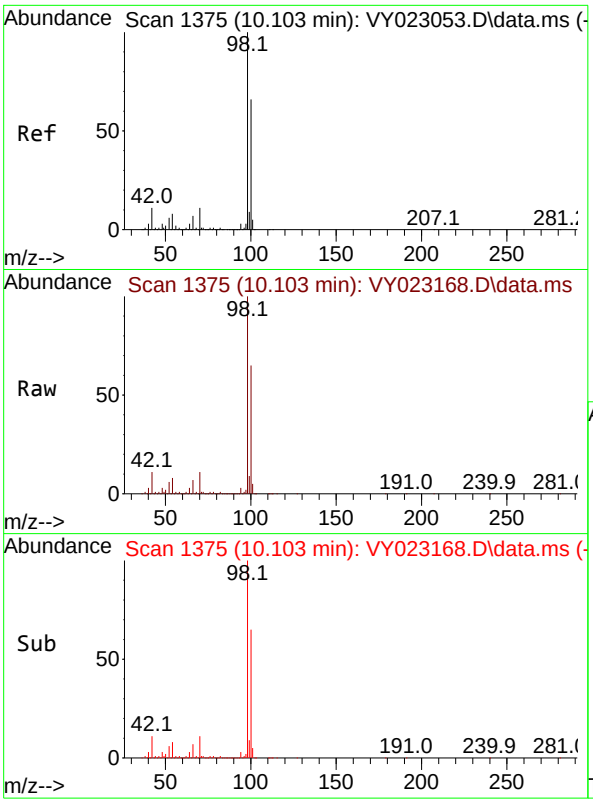


#35
Dibromofluoromethane
Concen: 53.685 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion:113 Resp: 310612

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	19.6	16.2	24.4



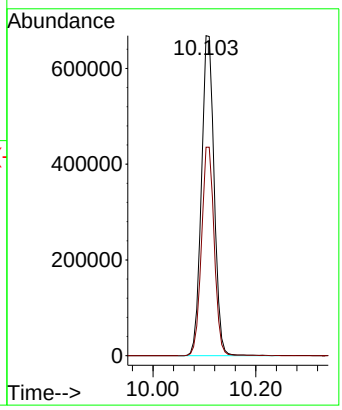


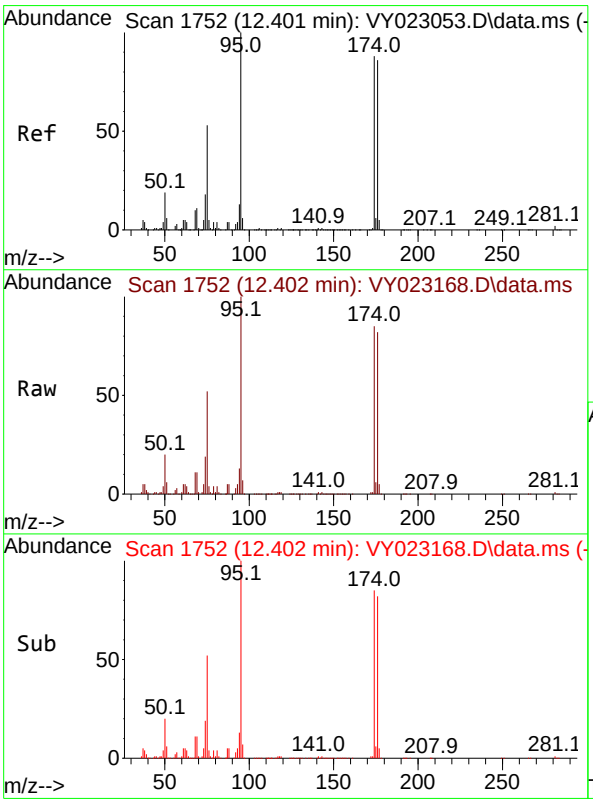
#50
Toluene-d8
Concen: 50.640 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 98 Resp: 1144603

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

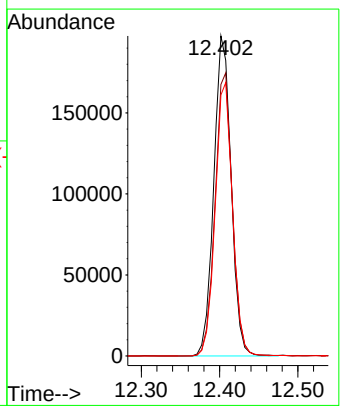


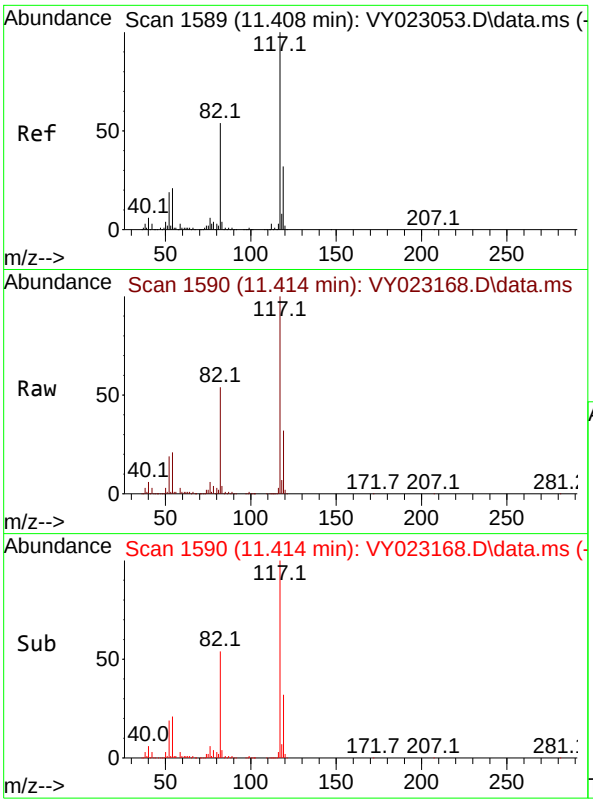


#62
4-Bromofluorobenzene
Concen: 41.801 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion: 95 Resp: 303850

Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	171.6
176	85.4	0.0	167.6



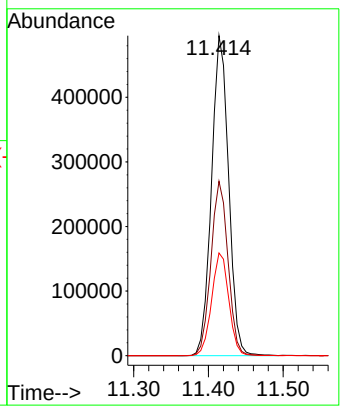


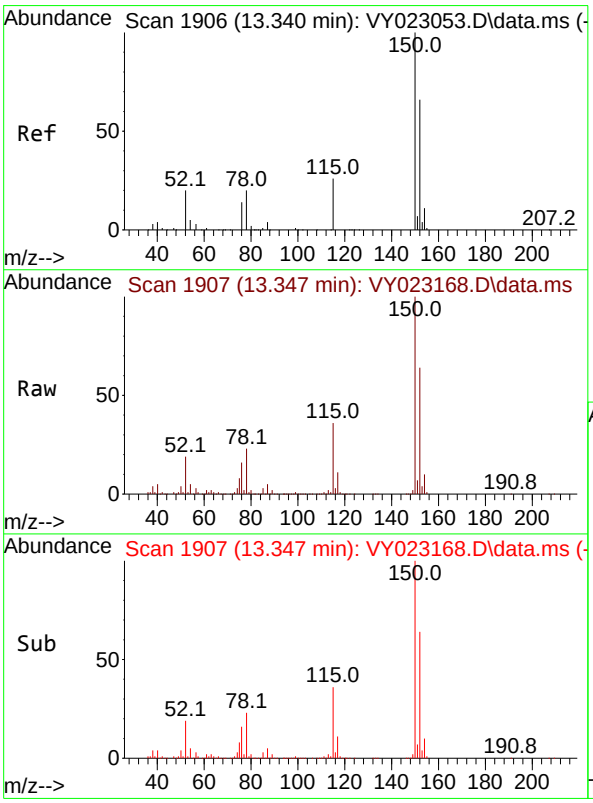
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:117 Resp: 789139

Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.4	65.0
119	32.1	25.6	38.4

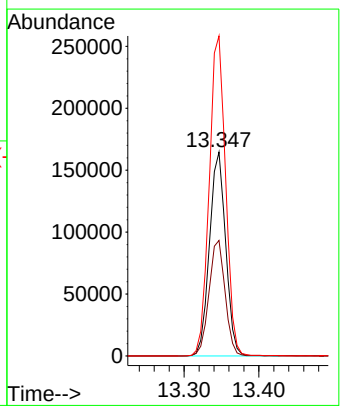




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion:152 Resp: 248201

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.2	84.6
150	158.3	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.3
Sample Wt/Vol:	4.61 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:	Date Analyzed	Prep Batch ID
VY023169.D	1	08/20/25 12:37	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0048	U	0.0014	0.0048	0.0059	mg/Kg
74-87-3	Chloromethane	0.0030	U	0.0014	0.0030	0.0059	mg/Kg
75-01-4	Vinyl Chloride	0.0030	U	0.00094	0.0030	0.0059	mg/Kg
74-83-9	Bromomethane	0.0048	U	0.0013	0.0048	0.0059	mg/Kg
75-00-3	Chloroethane	0.0030	U	0.0015	0.0030	0.0059	mg/Kg
109-99-9	Tetrahydrofuran	0.015	U	0.0055	0.015	0.030	mg/Kg
75-69-4	Trichlorofluoromethane	0.0048	U	0.0014	0.0048	0.0059	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0030	U	0.0013	0.0030	0.0059	mg/Kg
75-35-4	1,1-Dichloroethene	0.0030	U	0.0012	0.0030	0.0059	mg/Kg
107-13-1	Acrylonitrile	0.015	U	0.0059	0.015	0.030	mg/Kg
67-64-1	Acetone	0.024	U	0.0056	0.024	0.030	mg/Kg
75-15-0	Carbon Disulfide	0.0048	U	0.0013	0.0048	0.0059	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0030	U	0.00087	0.0030	0.0059	mg/Kg
75-09-2	Methylene Chloride	0.0095	U	0.0042	0.0095	0.012	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0030	U	0.0010	0.0030	0.0059	mg/Kg
75-34-3	1,1-Dichloroethane	0.0030	U	0.00095	0.0030	0.0059	mg/Kg
78-93-3	2-Butanone	0.024	U	0.0078	0.024	0.030	mg/Kg
56-23-5	Carbon Tetrachloride	0.0030	U	0.0012	0.0030	0.0059	mg/Kg
594-20-7	2,2-Dichloropropane	0.0048	U	0.0015	0.0048	0.0059	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0030	U	0.00089	0.0030	0.0059	mg/Kg
67-66-3	Chloroform	0.0048	U	0.0010	0.0048	0.0059	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0030	U	0.0011	0.0030	0.0059	mg/Kg
563-58-6	1,1-Dichloropropene	0.0030	U	0.0010	0.0030	0.0059	mg/Kg
71-43-2	Benzene	0.0030	U	0.00094	0.0030	0.0059	mg/Kg
107-06-2	1,2-Dichloroethane	0.0030	U	0.00094	0.0030	0.0059	mg/Kg
79-01-6	Trichloroethene	0.0030	U	0.00096	0.0030	0.0059	mg/Kg
78-87-5	1,2-Dichloropropane	0.0030	U	0.0011	0.0030	0.0059	mg/Kg
74-95-3	Dibromomethane	0.0030	U	0.0011	0.0030	0.0059	mg/Kg
75-27-4	Bromodichloromethane	0.0030	U	0.00093	0.0030	0.0059	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.015	U	0.0043	0.015	0.030	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.3
Sample Wt/Vol:	4.61 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:	Date Analyzed	Prep Batch ID
VY023169.D	1	08/20/25 12:37	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0030	U	0.00093	0.0030	0.0059	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0030	U	0.00077	0.0030	0.0059	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0030	U	0.00074	0.0030	0.0059	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0030	U	0.0011	0.0030	0.0059	mg/Kg
142-28-9	1,3-Dichloropropane	0.0030	U	0.00081	0.0030	0.0059	mg/Kg
591-78-6	2-Hexanone	0.015	U	0.0044	0.015	0.030	mg/Kg
124-48-1	Dibromochloromethane	0.0030	U	0.0010	0.0030	0.0059	mg/Kg
106-93-4	1,2-Dibromoethane	0.0030	U	0.0010	0.0030	0.0059	mg/Kg
127-18-4	Tetrachloroethene	0.0030	U	0.0012	0.0030	0.0059	mg/Kg
108-90-7	Chlorobenzene	0.0030	U	0.0011	0.0030	0.0059	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0030	U	0.00091	0.0030	0.0059	mg/Kg
100-41-4	Ethyl Benzene	0.0030	U	0.00080	0.0030	0.0059	mg/Kg
179601-23-1	m/p-Xylenes	0.0059	U	0.0015	0.0059	0.012	mg/Kg
1330-20-7	Total Xylenes	0.0089	U	0.0025	0.0089	0.018	mg/Kg
95-47-6	o-Xylene	0.0030	U	0.00097	0.0030	0.0059	mg/Kg
100-42-5	Styrene	0.0030	U	0.00084	0.0030	0.0059	mg/Kg
75-25-2	Bromoform	0.0030	U	0.0010	0.0030	0.0059	mg/Kg
98-82-8	Isopropylbenzene	0.0030	U	0.00093	0.0030	0.0059	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0030	U	0.0014	0.0030	0.0059	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0048	U	0.0015	0.0048	0.0059	mg/Kg
108-86-1	Bromobenzene	0.0030	U	0.0014	0.0030	0.0059	mg/Kg
103-65-1	n-propylbenzene	0.0030	U	0.00087	0.0030	0.0059	mg/Kg
95-49-8	2-Chlorotoluene	0.0030	U	0.00081	0.0030	0.0059	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0030	U	0.00097	0.0030	0.0059	mg/Kg
106-43-4	4-Chlorotoluene	0.0030	U	0.0014	0.0030	0.0059	mg/Kg
98-06-6	tert-Butylbenzene	0.0030	U	0.00080	0.0030	0.0059	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0030	U	0.00076	0.0030	0.0059	mg/Kg
135-98-8	sec-Butylbenzene	0.0030	U	0.00078	0.0030	0.0059	mg/Kg
99-87-6	p-Isopropyltoluene	0.0030	U	0.00074	0.0030	0.0059	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0030	U	0.0020	0.0030	0.0059	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0030	U	0.0019	0.0030	0.0059	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.3
Sample Wt/Vol:	4.61 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:	Date Analyzed	Prep Batch ID
VY023169.D	1	08/20/25 12:37	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0030	U	0.0017	0.0030	0.0059	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0030	U	0.0017	0.0030	0.0059	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0048	U	0.0022	0.0048	0.0059	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0048	U	0.0035	0.0048	0.0059	mg/Kg
87-68-3	Hexachlorobutadiene	0.0030	U	0.0023	0.0030	0.0059	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0048	U	0.0038	0.0048	0.0059	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0030	U	0.0013	0.0030	0.0059	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.1		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		79 - 119		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	510000	7.707				
540-36-3	1,4-Difluorobenzene	953000	8.616				
3114-55-4	Chlorobenzene-d5	789000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	251000	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\VY082025\
Data File : VY023169.D
Acq On : 20 Aug 2025 12:37
Operator : SY/MD
Sample : Q2879-11
Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 20 15:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

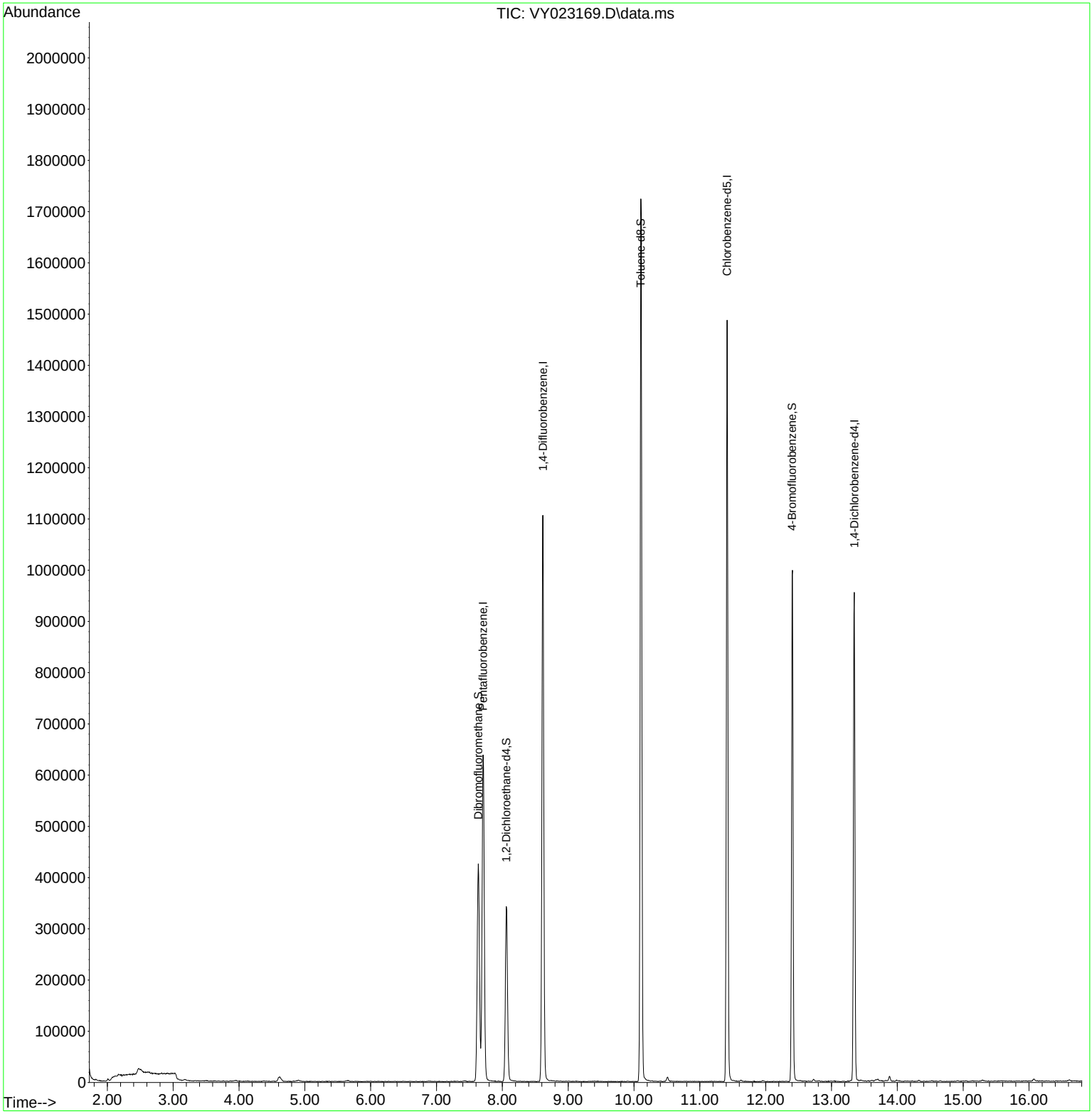
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	510110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	953413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	788677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	269740	55.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.960%			
35) Dibromofluoromethane	7.634	113	302346	52.997	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.000%			
50) Toluene-d8	10.103	98	1138687	51.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.401	95	306480	42.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.520%			
Target Compounds						Qvalue

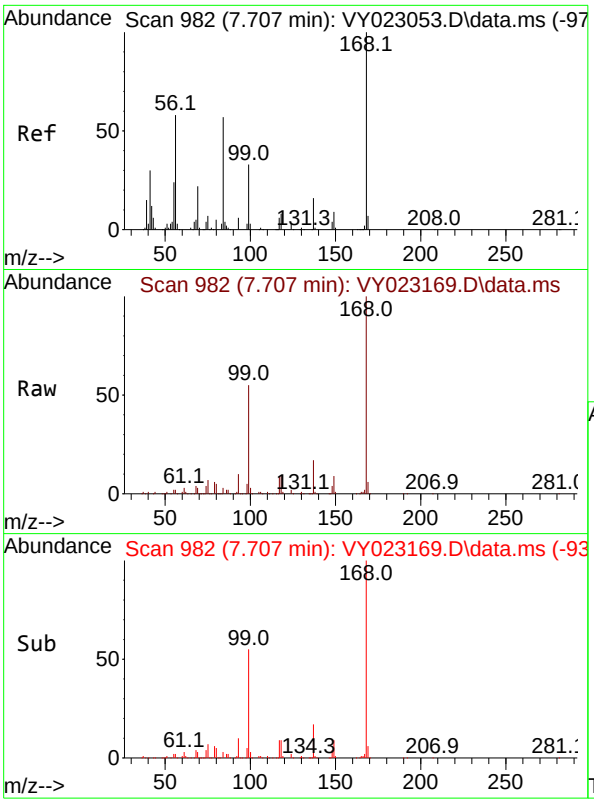
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023169.D
Acq On : 20 Aug 2025 12:37
Operator : SY/MD
Sample : Q2879-11
Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 20 15:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



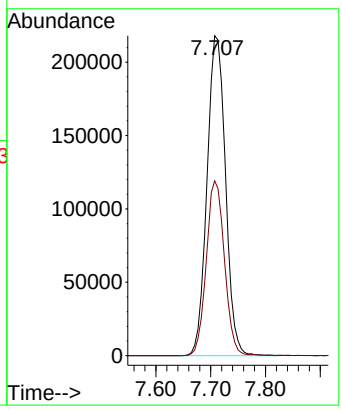


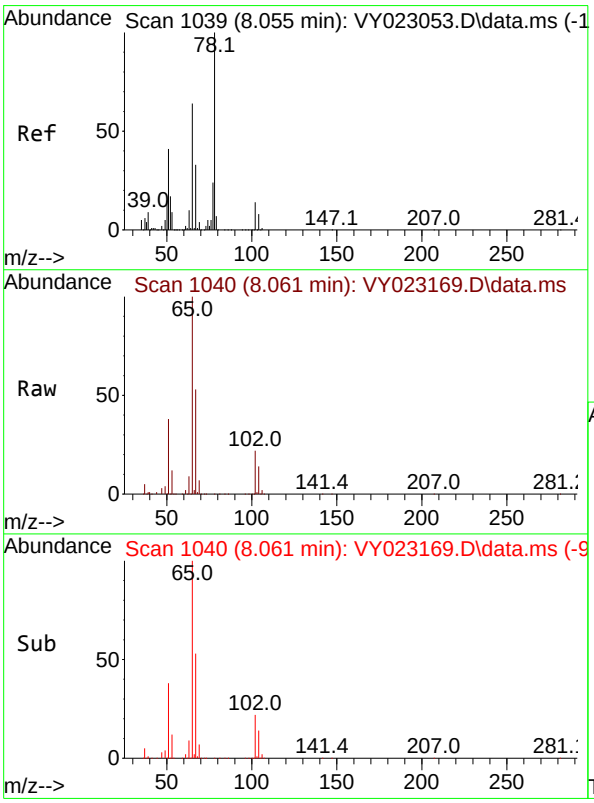
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:168 Resp: 510110

Ion	Ratio	Lower	Upper
168	100		
99	54.6	42.8	64.2

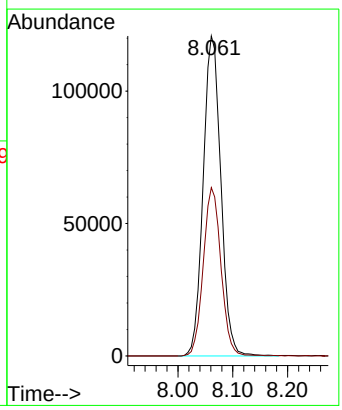


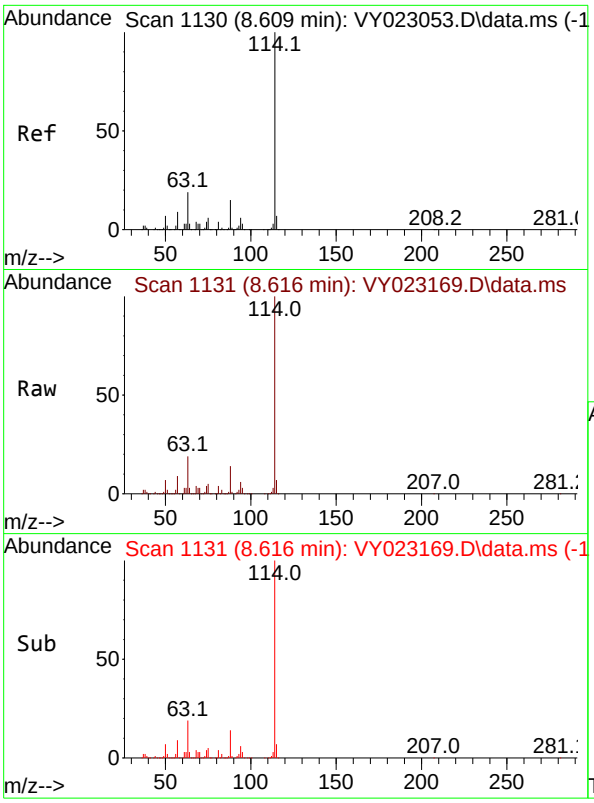


#33
1,2-Dichloroethane-d4
Concen: 55.483 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Tgt Ion: 65 Resp: 269740

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.8



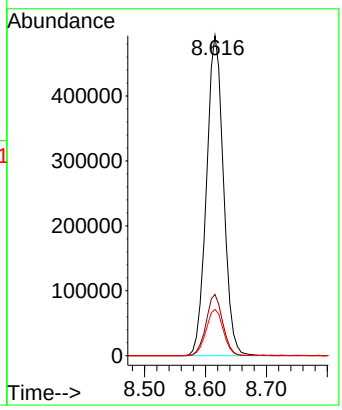


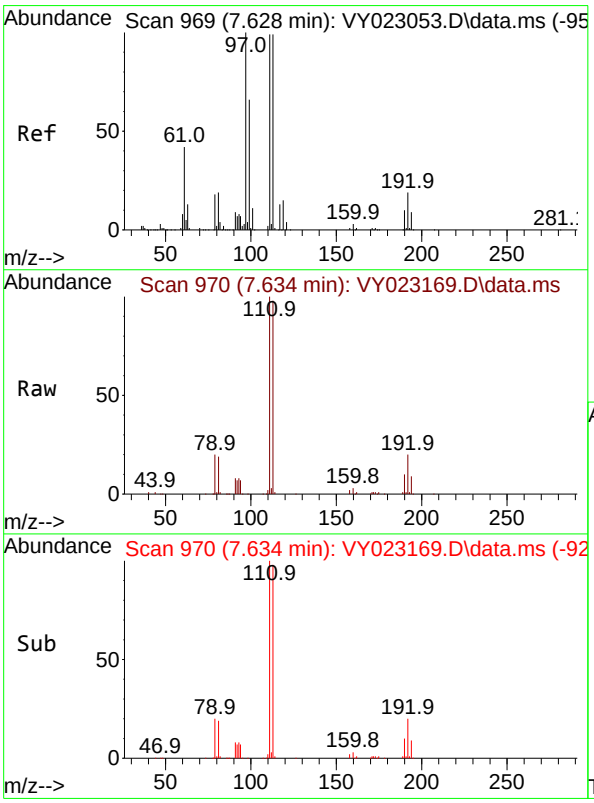
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:114 Resp: 953413

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	14.4	0.0	30.0

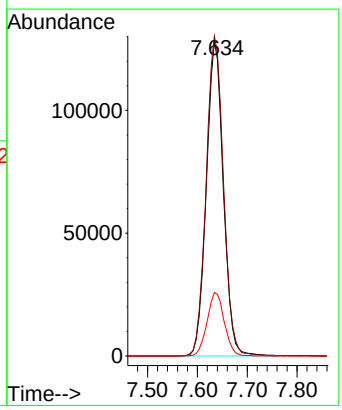


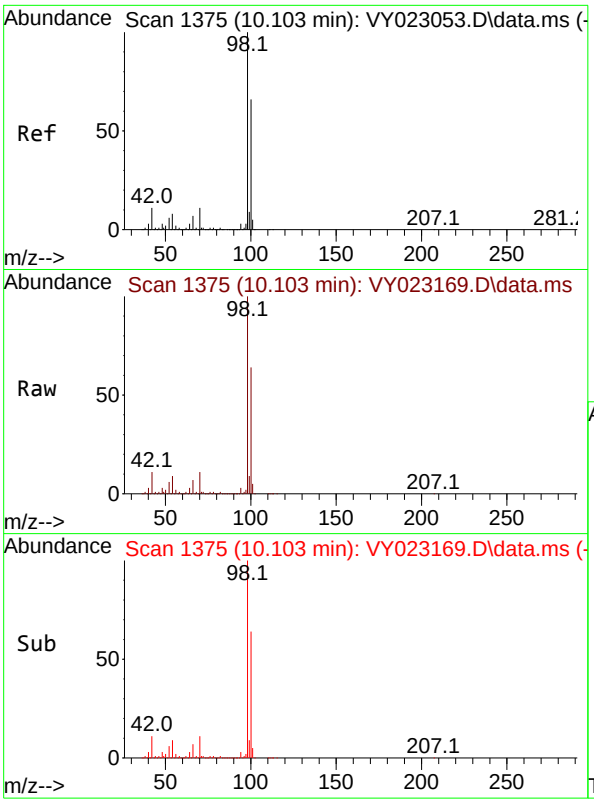


#35
Dibromofluoromethane
Concen: 52.997 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Tgt Ion:113 Resp: 302346

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.1	121.7
192	20.5	16.2	24.4



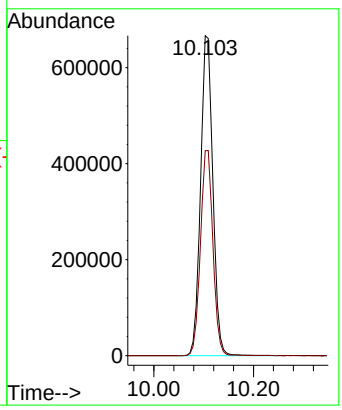


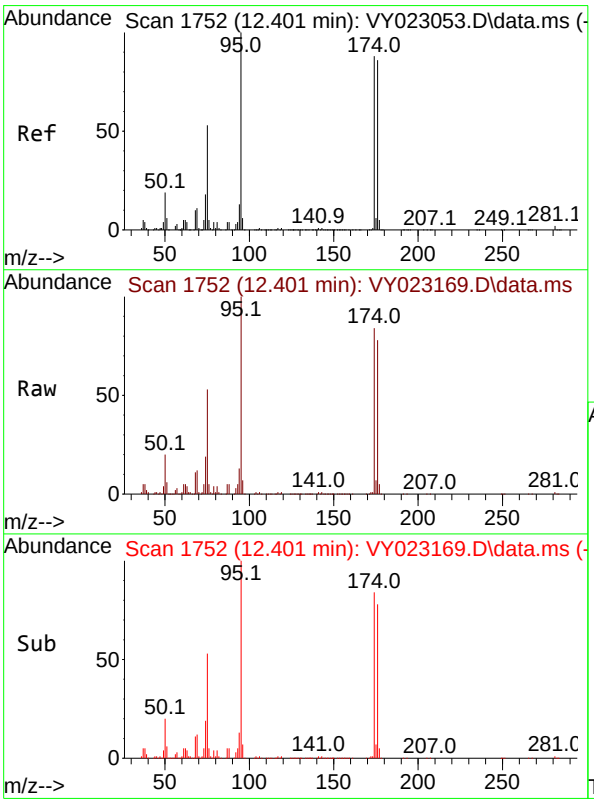
#50
Toluene-d8
Concen: 51.093 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 98 Resp: 1138687

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

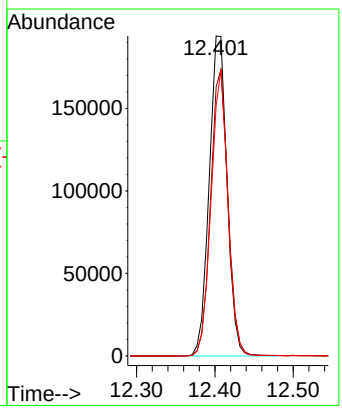


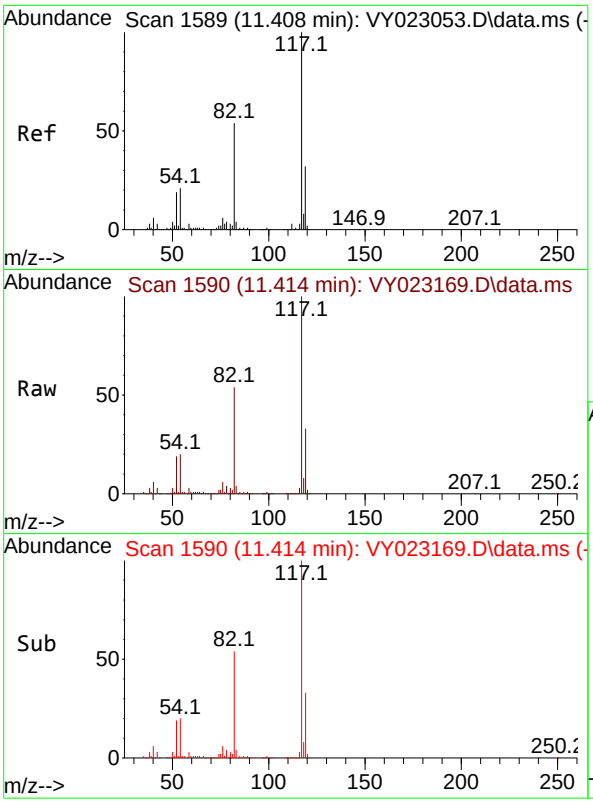


#62
4-Bromofluorobenzene
Concen: 42.760 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Tgt Ion: 95 Resp: 306480

Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	171.6
176	84.2	0.0	167.6



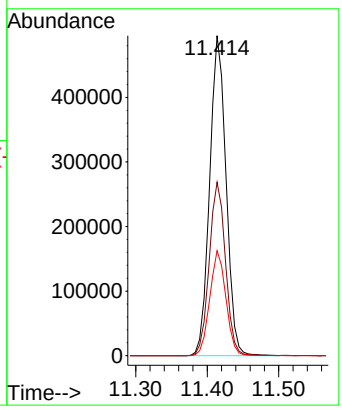


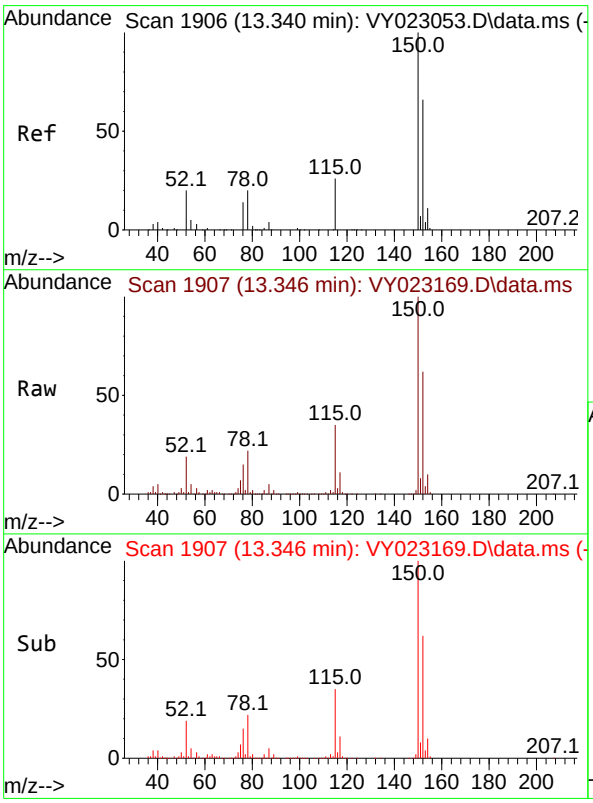
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:117 Resp: 788677

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	32.8	25.6	38.4

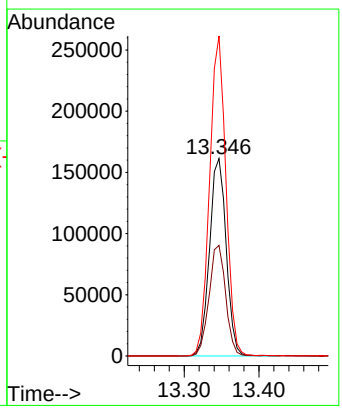




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Tgt Ion:152 Resp: 250948

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.2	84.6
150	158.1	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.8
Sample Wt/Vol:	7.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023170.D	1	08/20/25 13:01	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0028	U	0.00080	0.0028	0.0035	mg/Kg
74-87-3	Chloromethane	0.0017	U	0.00080	0.0017	0.0035	mg/Kg
75-01-4	Vinyl Chloride	0.0017	U	0.00055	0.0017	0.0035	mg/Kg
74-83-9	Bromomethane	0.0028	U	0.00075	0.0028	0.0035	mg/Kg
75-00-3	Chloroethane	0.0017	U	0.00088	0.0017	0.0035	mg/Kg
109-99-9	Tetrahydrofuran	0.0087	U	0.0033	0.0087	0.018	mg/Kg
75-69-4	Trichlorofluoromethane	0.0028	U	0.00085	0.0028	0.0035	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0017	U	0.00074	0.0017	0.0035	mg/Kg
75-35-4	1,1-Dichloroethene	0.0017	U	0.00070	0.0017	0.0035	mg/Kg
107-13-1	Acrylonitrile	0.0087	U	0.0035	0.0087	0.018	mg/Kg
67-64-1	Acetone	0.014	U	0.0033	0.014	0.018	mg/Kg
75-15-0	Carbon Disulfide	0.0028	U	0.00074	0.0028	0.0035	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0017	U	0.00051	0.0017	0.0035	mg/Kg
75-09-2	Methylene Chloride	0.0056	U	0.0025	0.0056	0.0070	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0017	U	0.00060	0.0017	0.0035	mg/Kg
75-34-3	1,1-Dichloroethane	0.0017	U	0.00056	0.0017	0.0035	mg/Kg
78-93-3	2-Butanone	0.014	U	0.0046	0.014	0.018	mg/Kg
56-23-5	Carbon Tetrachloride	0.0017	U	0.00068	0.0017	0.0035	mg/Kg
594-20-7	2,2-Dichloropropane	0.0028	U	0.00090	0.0028	0.0035	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0017	U	0.00052	0.0017	0.0035	mg/Kg
67-66-3	Chloroform	0.0028	U	0.00059	0.0028	0.0035	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0017	U	0.00065	0.0017	0.0035	mg/Kg
563-58-6	1,1-Dichloropropene	0.0017	U	0.00061	0.0017	0.0035	mg/Kg
71-43-2	Benzene	0.0017	U	0.00055	0.0017	0.0035	mg/Kg
107-06-2	1,2-Dichloroethane	0.0017	U	0.00055	0.0017	0.0035	mg/Kg
79-01-6	Trichloroethene	0.0017	U	0.00057	0.0017	0.0035	mg/Kg
78-87-5	1,2-Dichloropropane	0.0017	U	0.00064	0.0017	0.0035	mg/Kg
74-95-3	Dibromomethane	0.0017	U	0.00062	0.0017	0.0035	mg/Kg
75-27-4	Bromodichloromethane	0.0017	U	0.00055	0.0017	0.0035	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0087	U	0.0025	0.0087	0.018	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.8
Sample Wt/Vol:	7.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023170.D	1	08/20/25 13:01	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0017	U	0.00055	0.0017	0.0035	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0017	U	0.00045	0.0017	0.0035	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0017	U	0.00043	0.0017	0.0035	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0017	U	0.00064	0.0017	0.0035	mg/Kg
142-28-9	1,3-Dichloropropane	0.0017	U	0.00048	0.0017	0.0035	mg/Kg
591-78-6	2-Hexanone	0.0087	U	0.0026	0.0087	0.018	mg/Kg
124-48-1	Dibromochloromethane	0.0017	U	0.00061	0.0017	0.0035	mg/Kg
106-93-4	1,2-Dibromoethane	0.0017	U	0.00062	0.0017	0.0035	mg/Kg
127-18-4	Tetrachloroethene	0.0017	U	0.00073	0.0017	0.0035	mg/Kg
108-90-7	Chlorobenzene	0.0017	U	0.00064	0.0017	0.0035	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0017	U	0.00054	0.0017	0.0035	mg/Kg
100-41-4	Ethyl Benzene	0.0017	U	0.00047	0.0017	0.0035	mg/Kg
179601-23-1	m/p-Xylenes	0.0035	U	0.00087	0.0035	0.0070	mg/Kg
1330-20-7	Total Xylenes	0.0052	U	0.0014	0.0052	0.011	mg/Kg
95-47-6	o-Xylene	0.0017	U	0.00057	0.0017	0.0035	mg/Kg
100-42-5	Styrene	0.0017	U	0.00050	0.0017	0.0035	mg/Kg
75-25-2	Bromoform	0.0017	U	0.00060	0.0017	0.0035	mg/Kg
98-82-8	Isopropylbenzene	0.0017	U	0.00055	0.0017	0.0035	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0017	U	0.00085	0.0017	0.0035	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0028	U	0.00087	0.0028	0.0035	mg/Kg
108-86-1	Bromobenzene	0.0017	U	0.00084	0.0017	0.0035	mg/Kg
103-65-1	n-propylbenzene	0.0017	U	0.00051	0.0017	0.0035	mg/Kg
95-49-8	2-Chlorotoluene	0.0017	U	0.00048	0.0017	0.0035	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0017	U	0.00057	0.0017	0.0035	mg/Kg
106-43-4	4-Chlorotoluene	0.0017	U	0.00085	0.0017	0.0035	mg/Kg
98-06-6	tert-Butylbenzene	0.0017	U	0.00047	0.0017	0.0035	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0017	U	0.00045	0.0017	0.0035	mg/Kg
135-98-8	sec-Butylbenzene	0.0017	U	0.00046	0.0017	0.0035	mg/Kg
99-87-6	p-Isopropyltoluene	0.0017	U	0.00043	0.0017	0.0035	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0017	U	0.0012	0.0017	0.0035	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0017	U	0.0011	0.0017	0.0035	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.8
Sample Wt/Vol:	7.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023170.D	1	08/20/25 13:01	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0017	U	0.0010	0.0017	0.0035	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0017	U	0.0010	0.0017	0.0035	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0028	U	0.0013	0.0028	0.0035	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0028	U	0.0021	0.0028	0.0035	mg/Kg
87-68-3	Hexachlorobutadiene	0.0017	U	0.0013	0.0017	0.0035	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0028	U	0.0022	0.0028	0.0035	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0017	U	0.00074	0.0017	0.0035	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.2		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	51.5		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		79 - 119		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	525000	7.707				
540-36-3	1,4-Difluorobenzene	986000	8.615				
3114-55-4	Chlorobenzene-d5	857000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	296000	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\VY082025\
Data File : VY023170.D
Acq On : 20 Aug 2025 13:01
Operator : SY/MD
Sample : Q2879-13
Misc : 7.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 15:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	525230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	985769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	856717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	295759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301144	60.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.320%			
35) Dibromofluoromethane	7.634	113	325828	55.239	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.480%			
50) Toluene-d8	10.103	98	1187088	51.516	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.401	95	324547	43.795	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.580%			

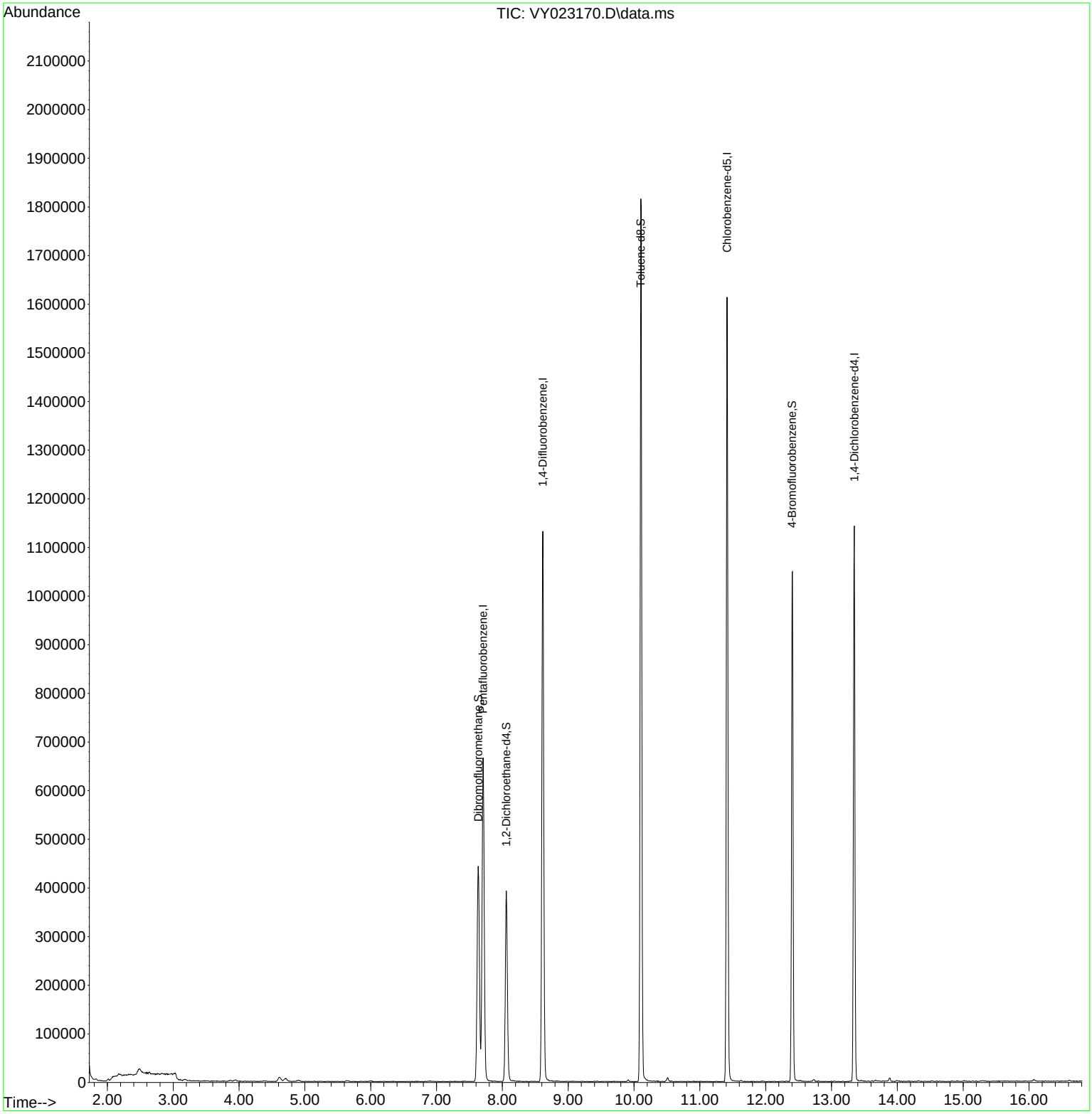
Target Compounds Qvalue

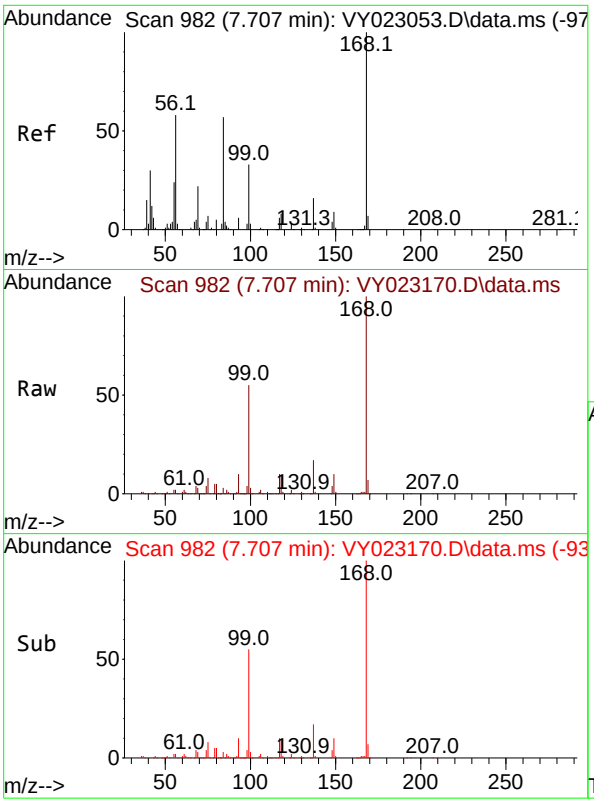
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023170.D
Acq On : 20 Aug 2025 13:01
Operator : SY/MD
Sample : Q2879-13
Misc : 7.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 15:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



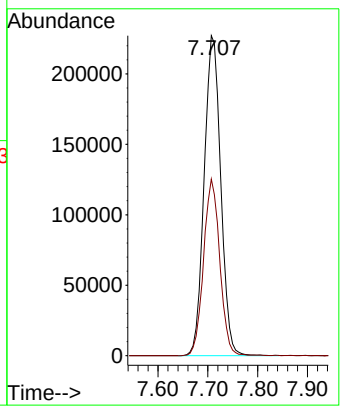


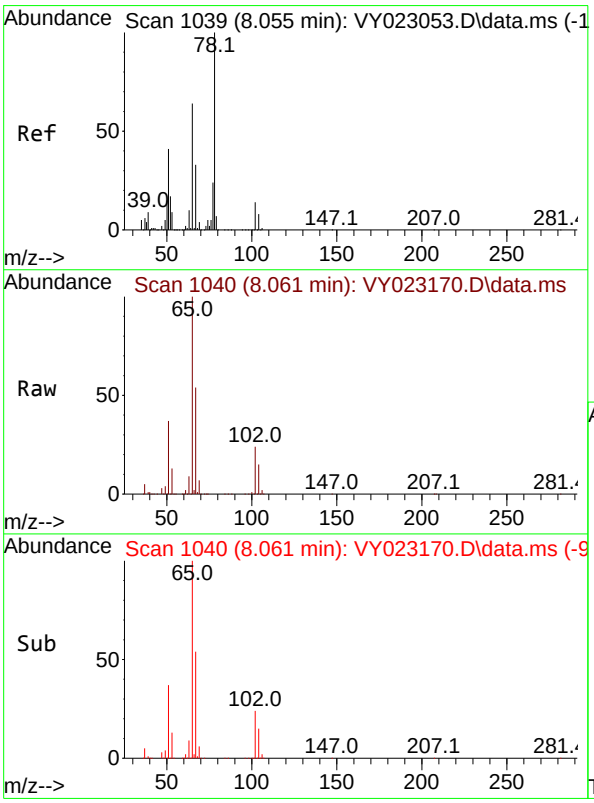
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:168 Resp: 525230

Ion	Ratio	Lower	Upper
168	100		
99	55.2	42.8	64.2

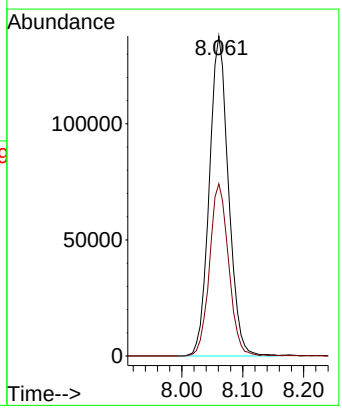


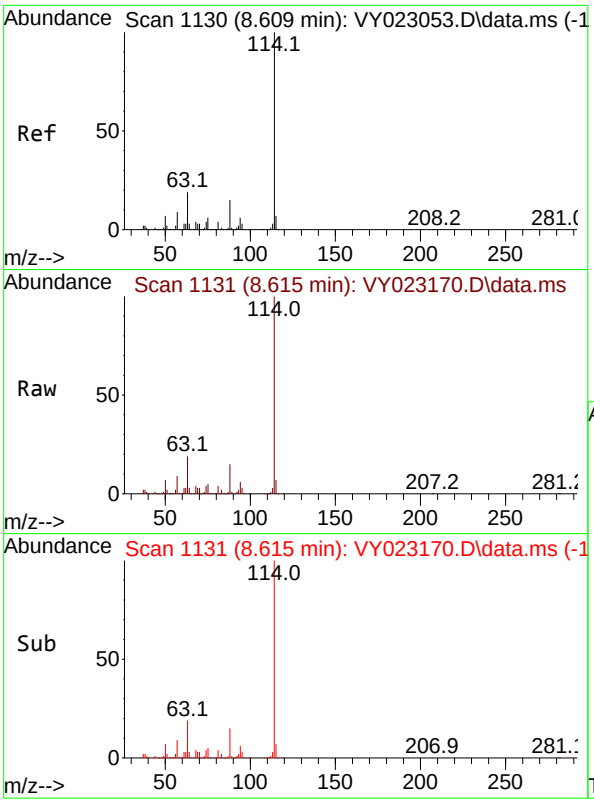


#33
1,2-Dichloroethane-d4
Concen: 60.159 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 65 Resp: 301144

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8



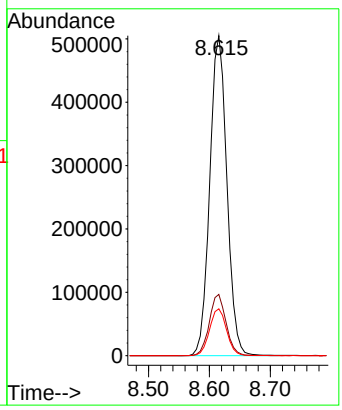


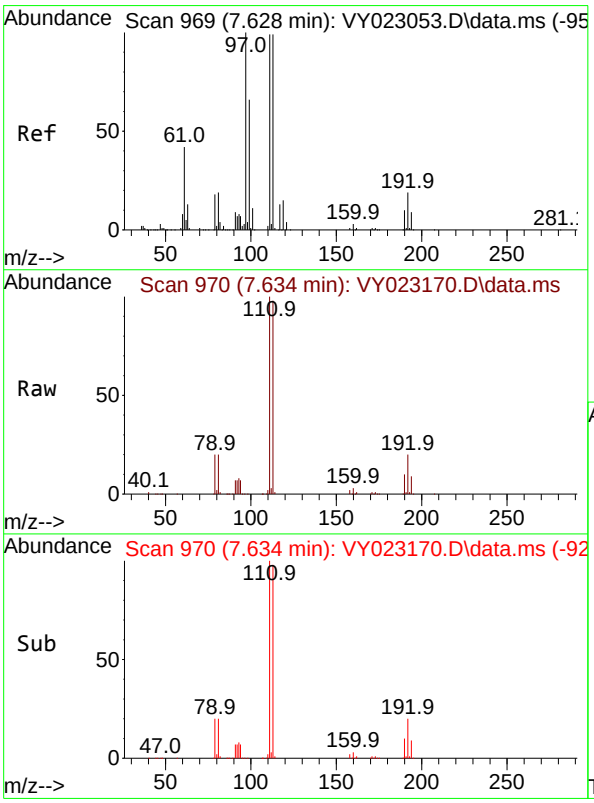
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:114 Resp: 985769

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	14.6	0.0	30.0

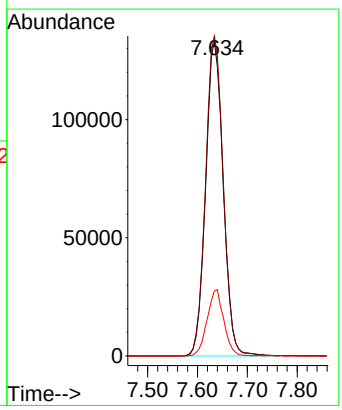


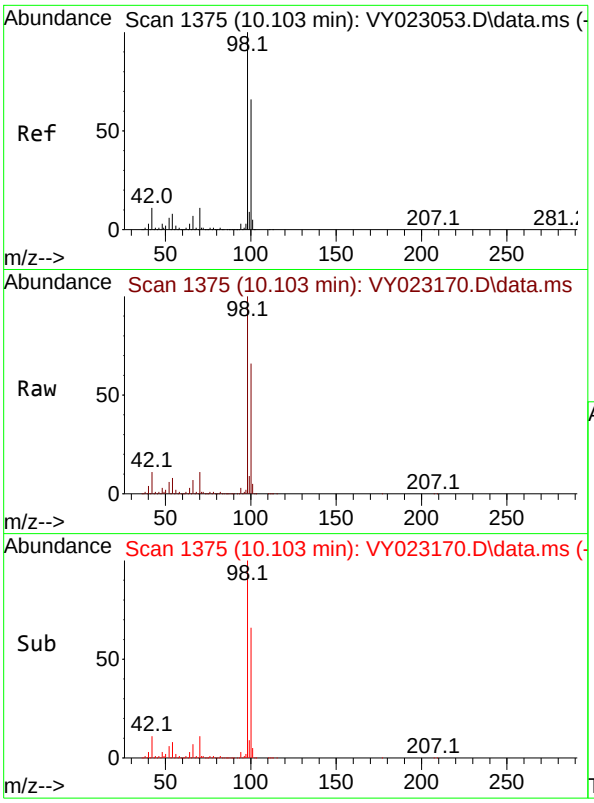


#35
Dibromofluoromethane
Concen: 55.239 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion:113 Resp: 325828

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	20.0	16.2	24.4



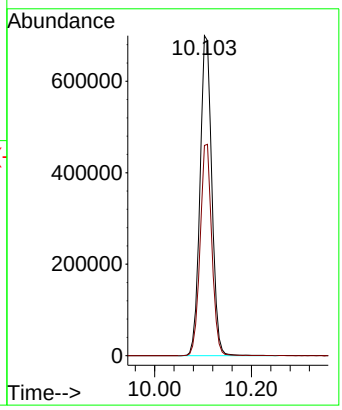


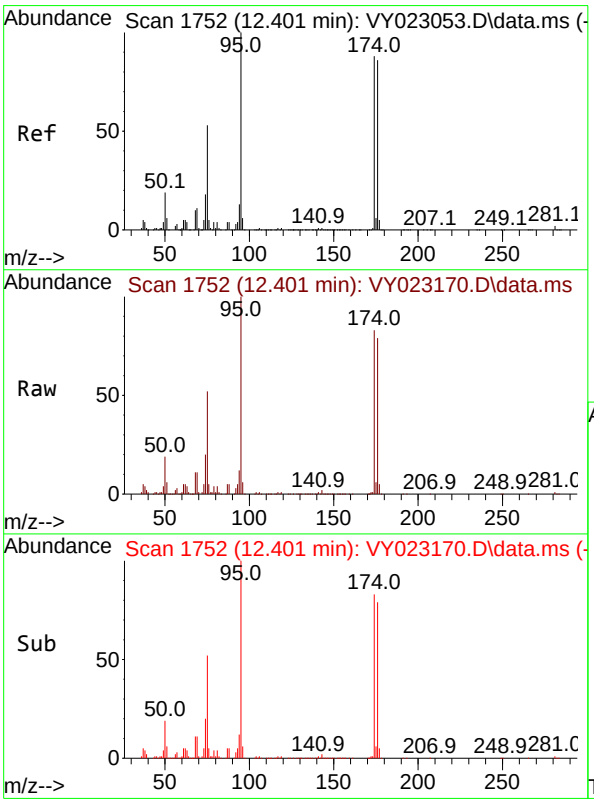
#50
Toluene-d8
Concen: 51.516 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion: 98 Resp: 1187088

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

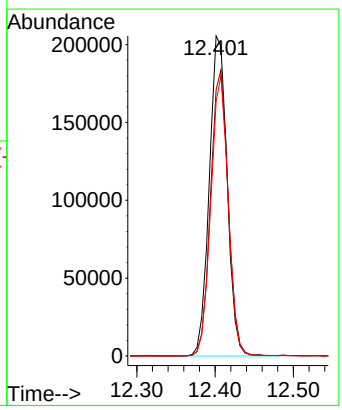


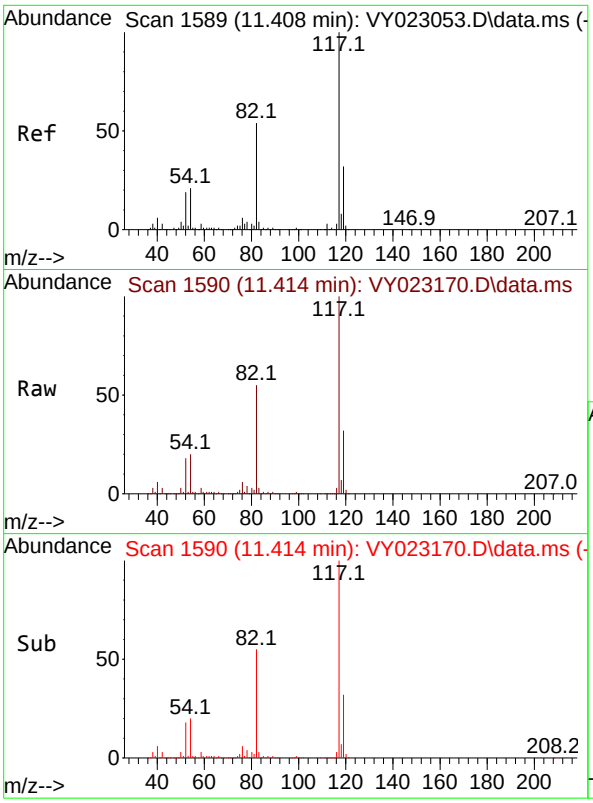


#62
4-Bromofluorobenzene
Concen: 43.795 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 95 Resp: 324547

Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	171.6
176	85.1	0.0	167.6



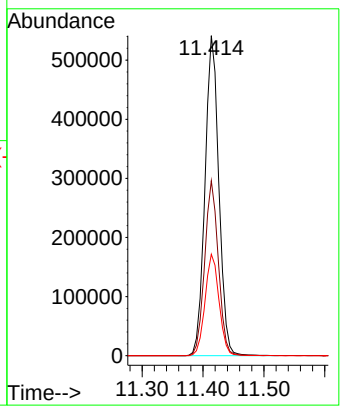


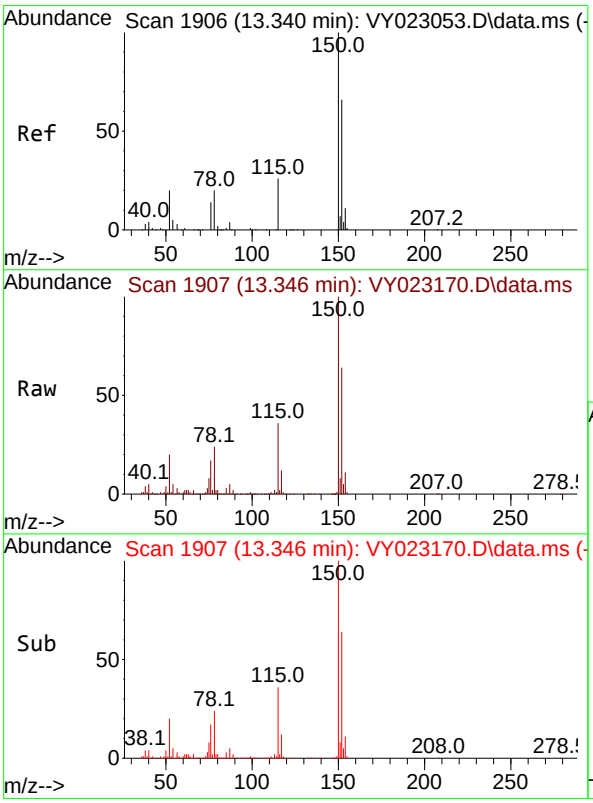
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:117 Resp: 856717

Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.4	65.0
119	31.7	25.6	38.4

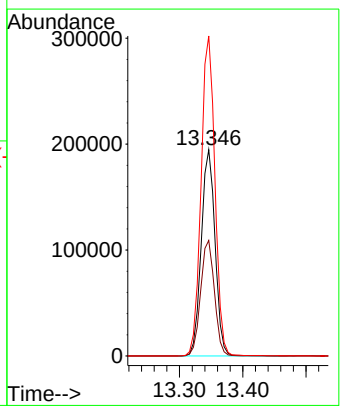




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion:152 Resp: 295759

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.2	84.6
150	155.9	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.3
Sample Wt/Vol:	3.68 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:	Date Analyzed	Prep Batch ID
VY023171.D	1	08/20/25 13:24	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0060	U	0.0017	0.0060	0.0074	mg/Kg
74-87-3	Chloromethane	0.0037	U	0.0017	0.0037	0.0074	mg/Kg
75-01-4	Vinyl Chloride	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
74-83-9	Bromomethane	0.0060	U	0.0016	0.0060	0.0074	mg/Kg
75-00-3	Chloroethane	0.0037	U	0.0019	0.0037	0.0074	mg/Kg
109-99-9	Tetrahydrofuran	0.019	U	0.0069	0.019	0.037	mg/Kg
75-69-4	Trichlorofluoromethane	0.0060	U	0.0018	0.0060	0.0074	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0037	U	0.0016	0.0037	0.0074	mg/Kg
75-35-4	1,1-Dichloroethene	0.0037	U	0.0015	0.0037	0.0074	mg/Kg
107-13-1	Acrylonitrile	0.019	U	0.0074	0.019	0.037	mg/Kg
67-64-1	Acetone	0.030	U	0.0071	0.030	0.037	mg/Kg
75-15-0	Carbon Disulfide	0.0060	U	0.0016	0.0060	0.0074	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0053	0.012	0.015	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
75-34-3	1,1-Dichloroethane	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
78-93-3	2-Butanone	0.030	U	0.0097	0.030	0.037	mg/Kg
56-23-5	Carbon Tetrachloride	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
594-20-7	2,2-Dichloropropane	0.0060	U	0.0019	0.0060	0.0074	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
67-66-3	Chloroform	0.0060	U	0.0013	0.0060	0.0074	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
563-58-6	1,1-Dichloropropene	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
71-43-2	Benzene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
107-06-2	1,2-Dichloroethane	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
79-01-6	Trichloroethene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
78-87-5	1,2-Dichloropropane	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
74-95-3	Dibromomethane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
75-27-4	Bromodichloromethane	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.019	U	0.0053	0.019	0.037	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.3
Sample Wt/Vol:	3.68 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:	Date Analyzed	Prep Batch ID
VY023171.D	1	08/20/25 13:24	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0037	U	0.00097	0.0037	0.0074	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0037	U	0.00092	0.0037	0.0074	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
142-28-9	1,3-Dichloropropane	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
591-78-6	2-Hexanone	0.019	U	0.0055	0.019	0.037	mg/Kg
124-48-1	Dibromochloromethane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
106-93-4	1,2-Dibromoethane	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
127-18-4	Tetrachloroethene	0.0037	U	0.0016	0.0037	0.0074	mg/Kg
108-90-7	Chlorobenzene	0.0037	U	0.0014	0.0037	0.0074	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
100-41-4	Ethyl Benzene	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
1330-20-7	Total Xylenes	0.011	U	0.0030	0.011	0.022	mg/Kg
179601-23-1	m/p-Xylenes	0.0074	U	0.0018	0.0074	0.015	mg/Kg
95-47-6	o-Xylene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
100-42-5	Styrene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
75-25-2	Bromoform	0.0037	U	0.0013	0.0037	0.0074	mg/Kg
98-82-8	Isopropylbenzene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0037	U	0.0018	0.0037	0.0074	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0060	U	0.0018	0.0060	0.0074	mg/Kg
108-86-1	Bromobenzene	0.0037	U	0.0018	0.0037	0.0074	mg/Kg
103-65-1	n-propylbenzene	0.0037	U	0.0011	0.0037	0.0074	mg/Kg
95-49-8	2-Chlorotoluene	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0037	U	0.0012	0.0037	0.0074	mg/Kg
106-43-4	4-Chlorotoluene	0.0037	U	0.0018	0.0037	0.0074	mg/Kg
98-06-6	tert-Butylbenzene	0.0037	U	0.0010	0.0037	0.0074	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0037	U	0.00095	0.0037	0.0074	mg/Kg
135-98-8	sec-Butylbenzene	0.0037	U	0.00098	0.0037	0.0074	mg/Kg
99-87-6	p-Isopropyltoluene	0.0037	U	0.00092	0.0037	0.0074	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0037	U	0.0025	0.0037	0.0074	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0037	U	0.0023	0.0037	0.0074	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.3
Sample Wt/Vol:	3.68 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:	Date Analyzed	Prep Batch ID
VY023171.D	1	08/20/25 13:24	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0037	U	0.0022	0.0037	0.0074	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0037	U	0.0022	0.0037	0.0074	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0060	U	0.0027	0.0060	0.0074	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0060	U	0.0044	0.0060	0.0074	mg/Kg
87-68-3	Hexachlorobutadiene	0.0037	U	0.0028	0.0037	0.0074	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0060	U	0.0047	0.0060	0.0074	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0037	U	0.0016	0.0037	0.0074	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.0		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.1		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	507000	7.713				
540-36-3	1,4-Difluorobenzene	937000	8.616				
3114-55-4	Chlorobenzene-d5	769000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	235000	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\VY082025\
Data File : VY023171.D
Acq On : 20 Aug 2025 13:24
Operator : SY/MD
Sample : Q2879-15
Misc : 3.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 20 15:24:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

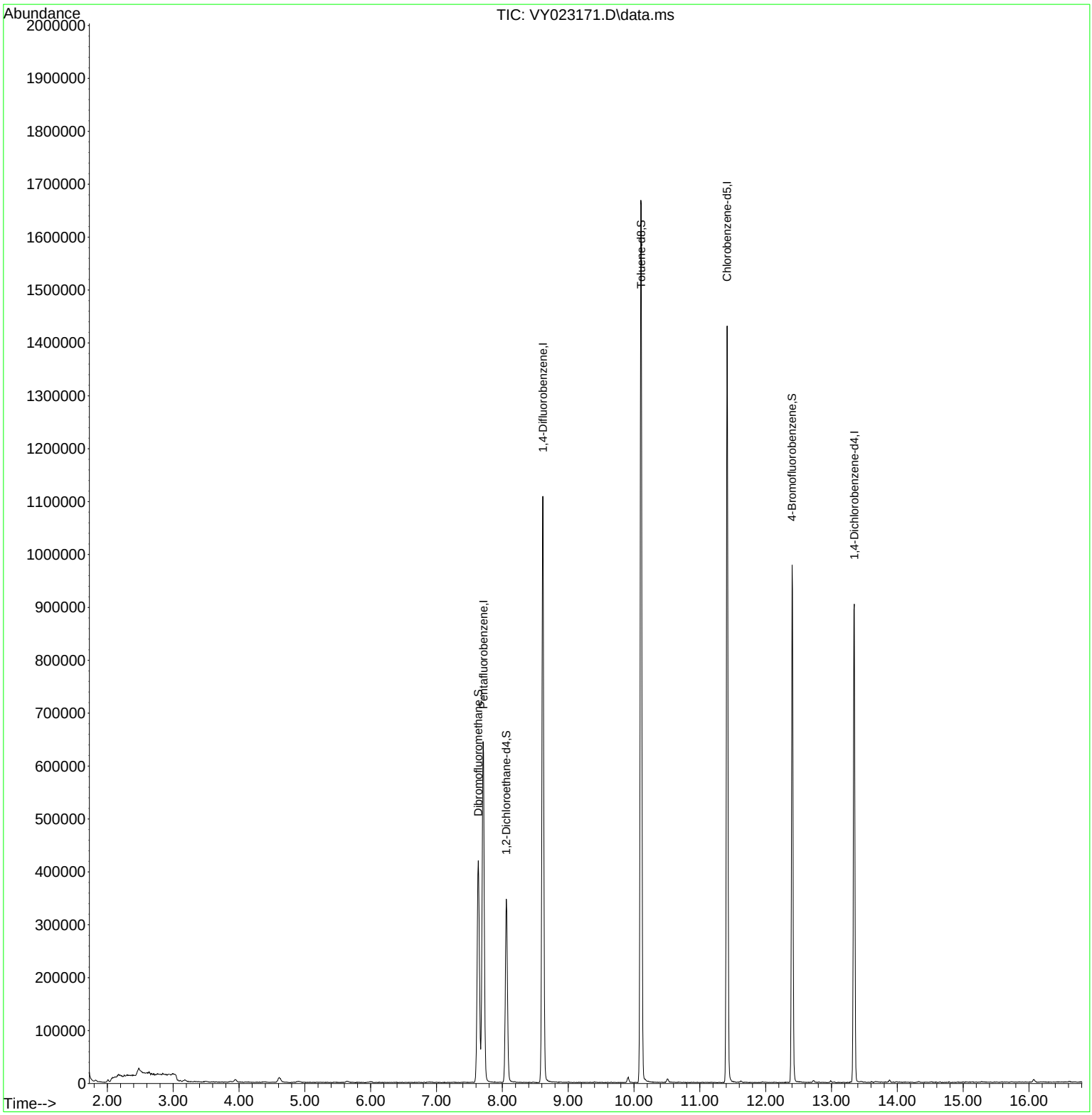
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	506602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	937467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	768975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	235287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	270260	55.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.940%			
35) Dibromofluoromethane	7.634	113	300834	53.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.260%			
50) Toluene-d8	10.109	98	1118829	51.055	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.120%			
62) 4-Bromofluorobenzene	12.401	95	295678	41.955	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.920%			
Target Compounds						Qvalue

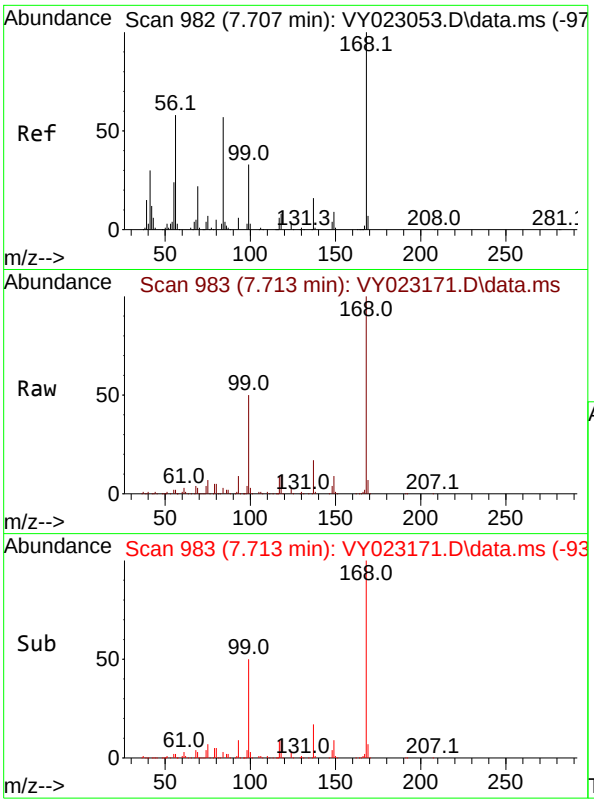
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023171.D
Acq On : 20 Aug 2025 13:24
Operator : SY/MD
Sample : Q2879-15
Misc : 3.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 20 15:24:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



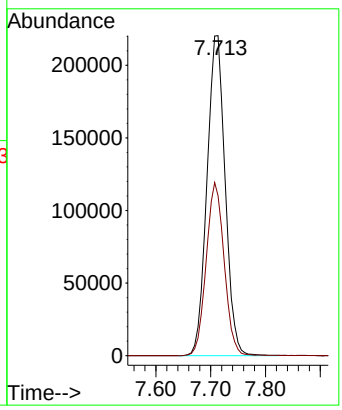


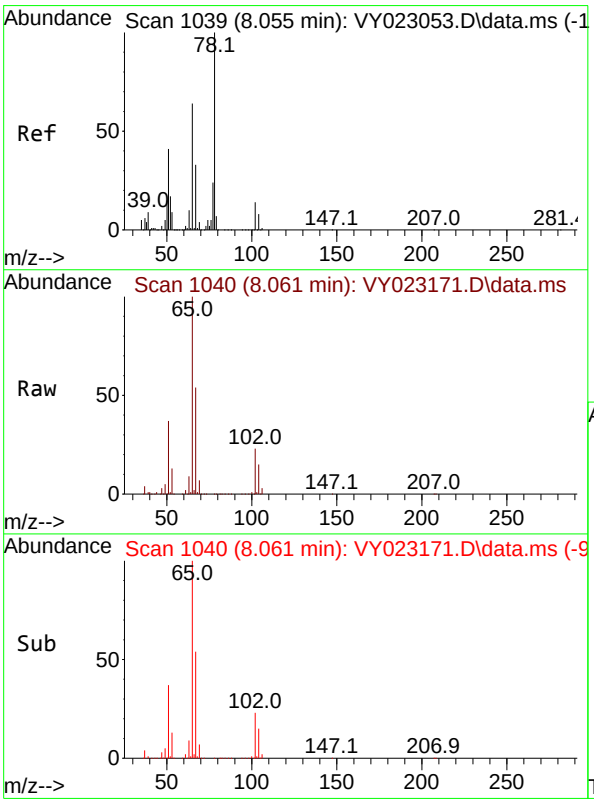
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:168 Resp: 506602

Ion	Ratio	Lower	Upper
168	100		
99	50.0	42.8	64.2

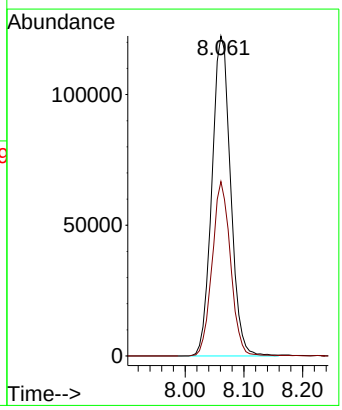


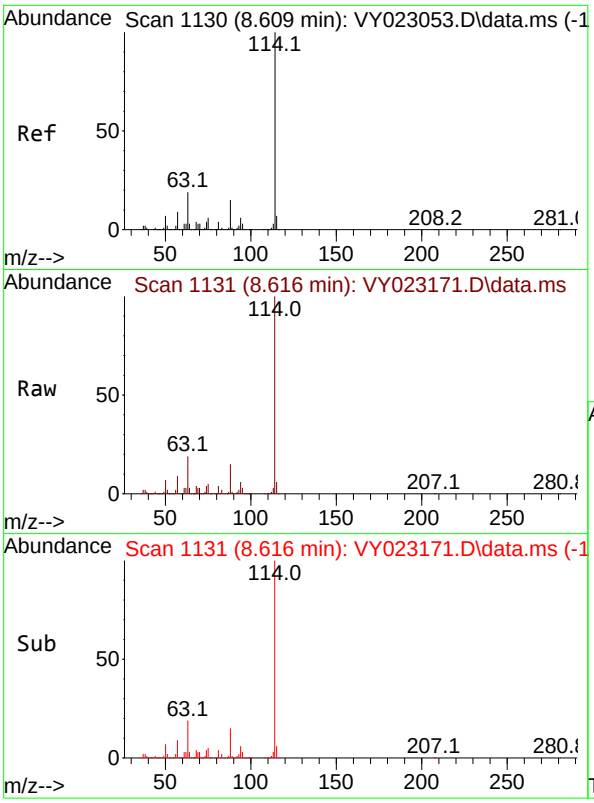


#33
1,2-Dichloroethane-d4
Concen: 55.975 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion: 65 Resp: 270260

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8



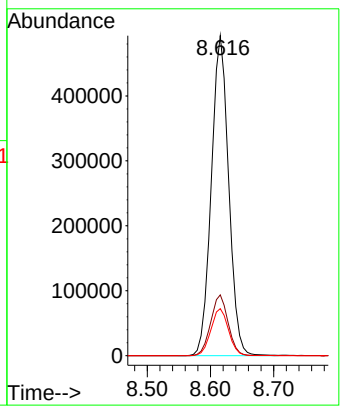


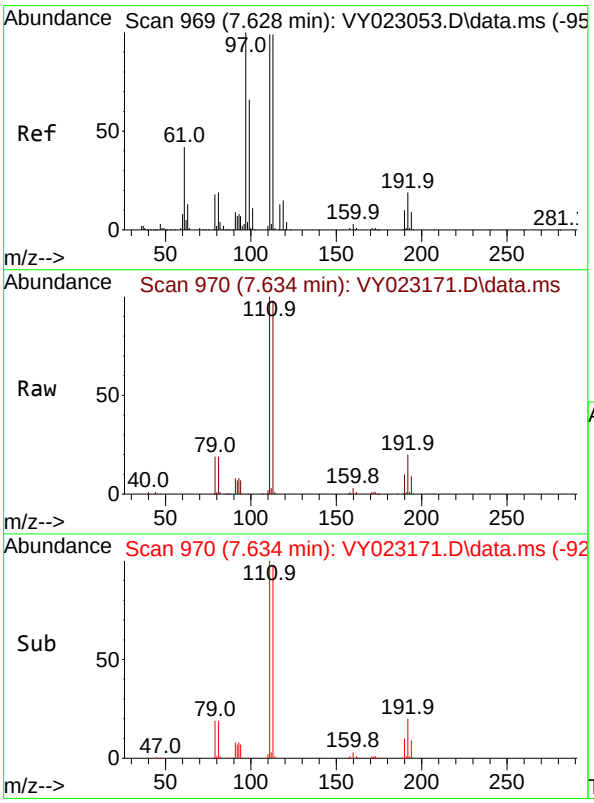
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:114 Resp: 937467

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	14.7	0.0	30.0

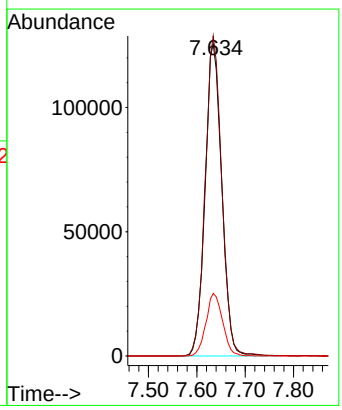


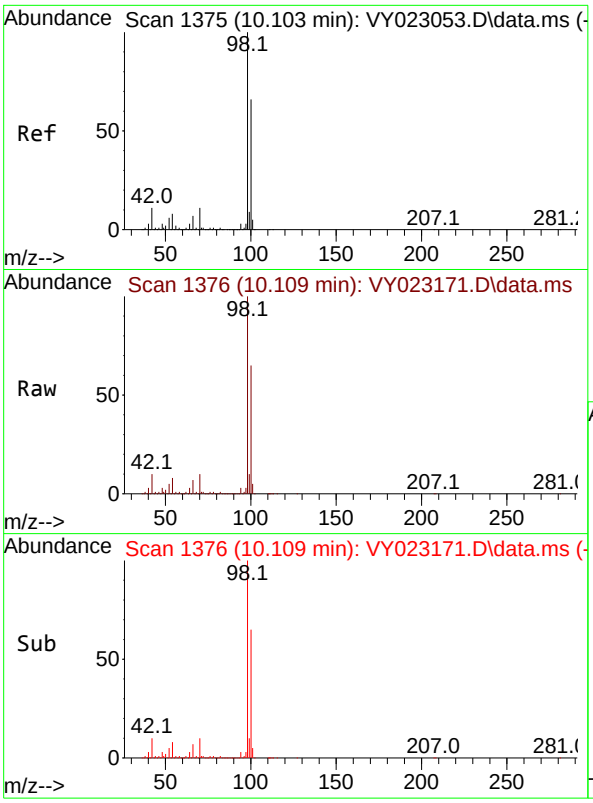


#35
Dibromofluoromethane
Concen: 53.629 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion:113 Resp: 300834

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	20.0	16.2	24.4



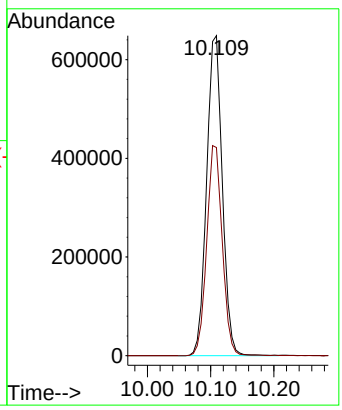


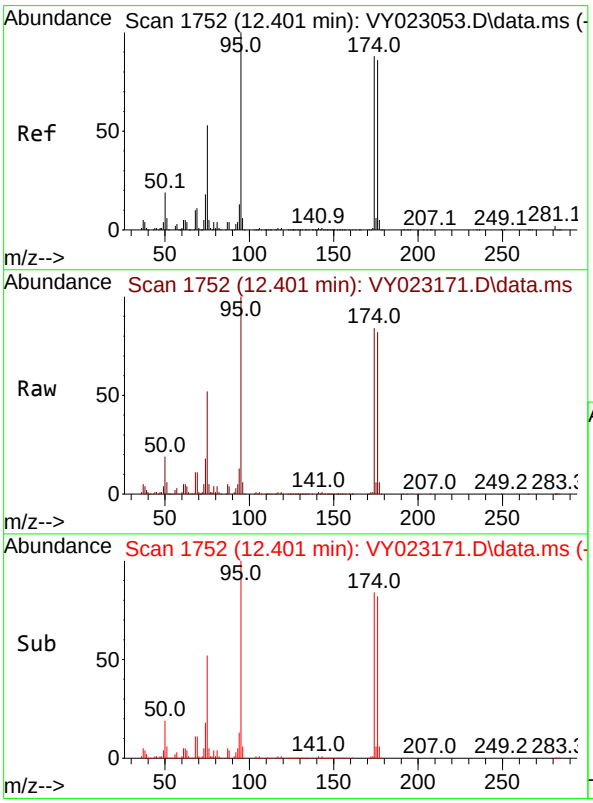
#50
Toluene-d8
Concen: 51.055 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion: 98 Resp: 1118829

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5

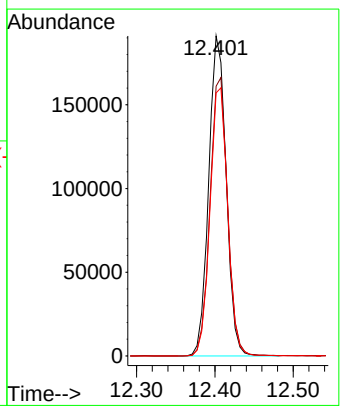


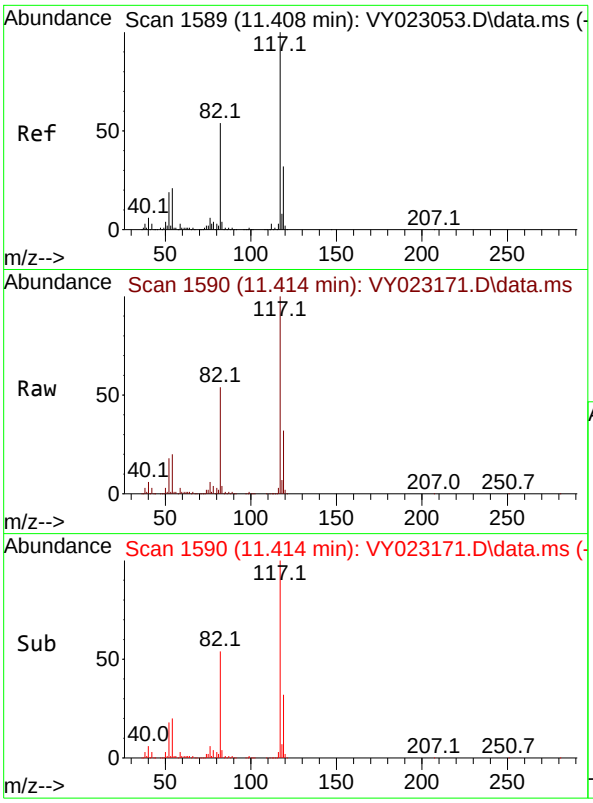


#62
4-Bromofluorobenzene
Concen: 41.955 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion: 95 Resp: 295678

Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	171.6
176	85.1	0.0	167.6



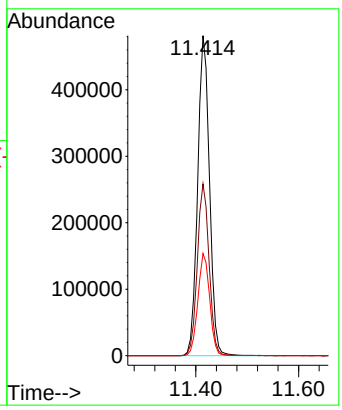


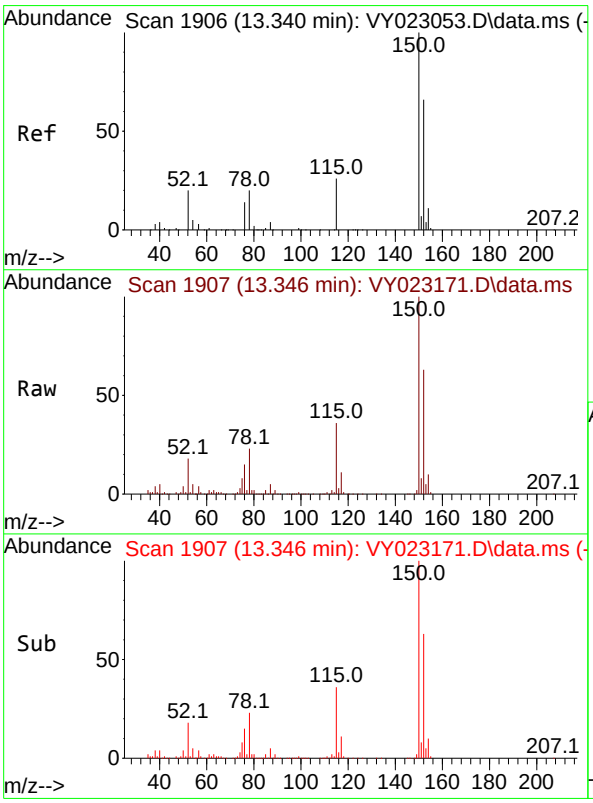
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:117 Resp: 768975

Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.0
119	32.0	25.6	38.4

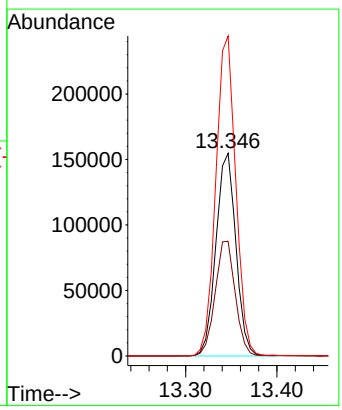




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion:152 Resp: 235287

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.2	84.6
150	157.5	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77
Sample Wt/Vol:	3.56 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:	Date Analyzed	Prep Batch ID
VY023156.D	1	08/19/25 17:12	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0073	U	0.0021	0.0073	0.0091	mg/Kg
74-87-3	Chloromethane	0.0046	U	0.0021	0.0046	0.0091	mg/Kg
75-01-4	Vinyl Chloride	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
74-83-9	Bromomethane	0.0073	U	0.0020	0.0073	0.0091	mg/Kg
75-00-3	Chloroethane	0.0046	U	0.0023	0.0046	0.0091	mg/Kg
109-99-9	Tetrahydrofuran	0.023	U	0.0085	0.023	0.046	mg/Kg
75-69-4	Trichlorofluoromethane	0.0073	U	0.0022	0.0073	0.0091	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0046	U	0.0019	0.0046	0.0091	mg/Kg
75-35-4	1,1-Dichloroethene	0.0046	U	0.0018	0.0046	0.0091	mg/Kg
107-13-1	Acrylonitrile	0.023	U	0.0091	0.023	0.046	mg/Kg
67-64-1	Acetone	0.037	U	0.0086	0.037	0.046	mg/Kg
75-15-0	Carbon Disulfide	0.0073	U	0.0019	0.0073	0.0091	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0046	U	0.0013	0.0046	0.0091	mg/Kg
75-09-2	Methylene Chloride	0.015	U	0.0064	0.015	0.018	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0046	U	0.0016	0.0046	0.0091	mg/Kg
75-34-3	1,1-Dichloroethane	0.0046	U	0.0015	0.0046	0.0091	mg/Kg
78-93-3	2-Butanone	0.037	U	0.012	0.037	0.046	mg/Kg
56-23-5	Carbon Tetrachloride	0.0046	U	0.0018	0.0046	0.0091	mg/Kg
594-20-7	2,2-Dichloropropane	0.0073	U	0.0023	0.0073	0.0091	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
67-66-3	Chloroform	0.0073	U	0.0015	0.0073	0.0091	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0046	U	0.0017	0.0046	0.0091	mg/Kg
563-58-6	1,1-Dichloropropene	0.0046	U	0.0016	0.0046	0.0091	mg/Kg
71-43-2	Benzene	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
107-06-2	1,2-Dichloroethane	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
79-01-6	Trichloroethene	0.0046	U	0.0015	0.0046	0.0091	mg/Kg
78-87-5	1,2-Dichloropropane	0.0046	U	0.0017	0.0046	0.0091	mg/Kg
74-95-3	Dibromomethane	0.0046	U	0.0016	0.0046	0.0091	mg/Kg
75-27-4	Bromodichloromethane	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.023	U	0.0065	0.023	0.046	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77
Sample Wt/Vol:	3.56 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:	Date Analyzed	Prep Batch ID
VY023156.D	1	08/19/25 17:12	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0046	U	0.0011	0.0046	0.0091	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0046	U	0.0017	0.0046	0.0091	mg/Kg
142-28-9	1,3-Dichloropropane	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
591-78-6	2-Hexanone	0.023	U	0.0067	0.023	0.046	mg/Kg
124-48-1	Dibromochloromethane	0.0046	U	0.0016	0.0046	0.0091	mg/Kg
106-93-4	1,2-Dibromoethane	0.0046	U	0.0016	0.0046	0.0091	mg/Kg
127-18-4	Tetrachloroethene	0.0046	U	0.0019	0.0046	0.0091	mg/Kg
108-90-7	Chlorobenzene	0.0046	U	0.0017	0.0046	0.0091	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
100-41-4	Ethyl Benzene	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
1330-20-7	Total Xylenes	0.014	U	0.0038	0.014	0.027	mg/Kg
179601-23-1	m/p-Xylenes	0.0091	U	0.0023	0.0091	0.018	mg/Kg
95-47-6	o-Xylene	0.0046	U	0.0015	0.0046	0.0091	mg/Kg
100-42-5	Styrene	0.0046	U	0.0013	0.0046	0.0091	mg/Kg
75-25-2	Bromoform	0.0046	U	0.0016	0.0046	0.0091	mg/Kg
98-82-8	Isopropylbenzene	0.0046	U	0.0014	0.0046	0.0091	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0046	U	0.0022	0.0046	0.0091	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0073	U	0.0023	0.0073	0.0091	mg/Kg
108-86-1	Bromobenzene	0.0046	U	0.0022	0.0046	0.0091	mg/Kg
103-65-1	n-propylbenzene	0.0046	U	0.0013	0.0046	0.0091	mg/Kg
95-49-8	2-Chlorotoluene	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0046	U	0.0015	0.0046	0.0091	mg/Kg
106-43-4	4-Chlorotoluene	0.0046	U	0.0022	0.0046	0.0091	mg/Kg
98-06-6	tert-Butylbenzene	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
135-98-8	sec-Butylbenzene	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
99-87-6	p-Isopropyltoluene	0.0046	U	0.0011	0.0046	0.0091	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0046	U	0.0031	0.0046	0.0091	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0046	U	0.0028	0.0046	0.0091	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77
Sample Wt/Vol:	3.56 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:	Date Analyzed	Prep Batch ID
VY023156.D	1	08/19/25 17:12	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0046	U	0.0026	0.0046	0.0091	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0046	U	0.0026	0.0046	0.0091	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0073	U	0.0034	0.0073	0.0091	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0073	U	0.0054	0.0073	0.0091	mg/Kg
87-68-3	Hexachlorobutadiene	0.0046	U	0.0035	0.0046	0.0091	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0073	U	0.0058	0.0073	0.0091	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0046	U	0.0019	0.0046	0.0091	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		71 - 136		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.4		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.1	*	79 - 119		76%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	524000	7.707				
540-36-3	1,4-Difluorobenzene	976000	8.616				
3114-55-4	Chlorobenzene-d5	798000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	257000	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\VY081925\
Data File : VY023156.D
Acq On : 19 Aug 2025 17:12
Operator : SY/MD
Sample : Q2879-17
Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 20 01:33:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	523510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	976443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	798419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	273689	54.854	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.700%			
35) Dibromofluoromethane	7.634	113	307577	52.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.280%			
50) Toluene-d8	10.103	98	1150699	50.414	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.820%			
62) 4-Bromofluorobenzene	12.401	95	280017	38.147	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.300%			

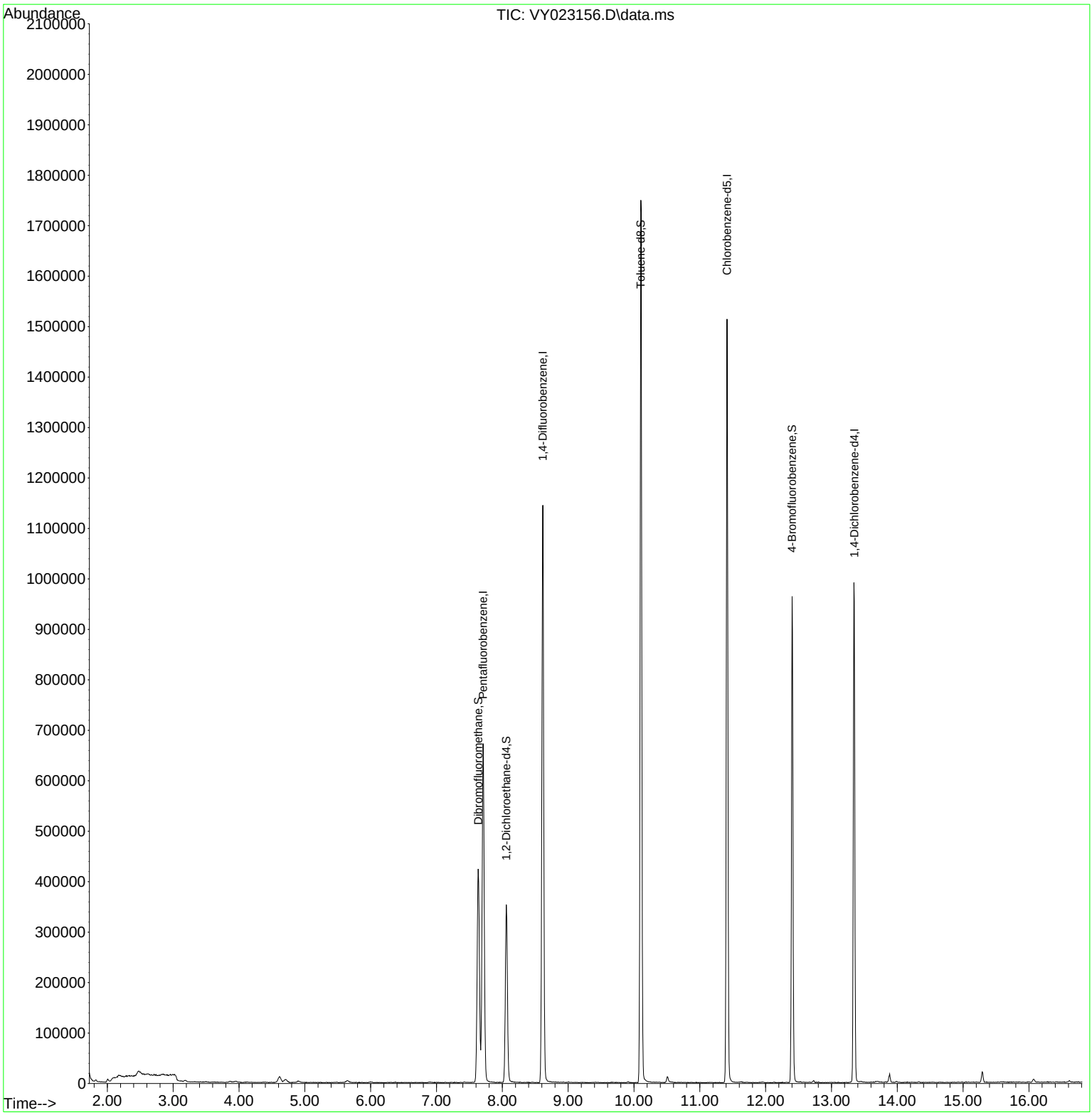
Target Compounds Qvalue

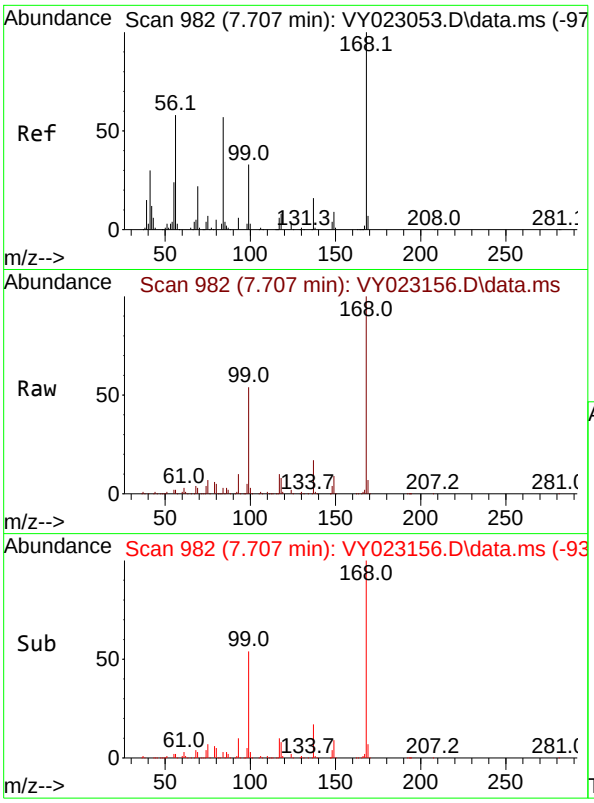
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023156.D
Acq On : 19 Aug 2025 17:12
Operator : SY/MD
Sample : Q2879-17
Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 20 01:33:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



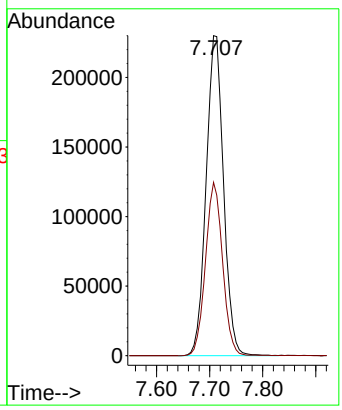


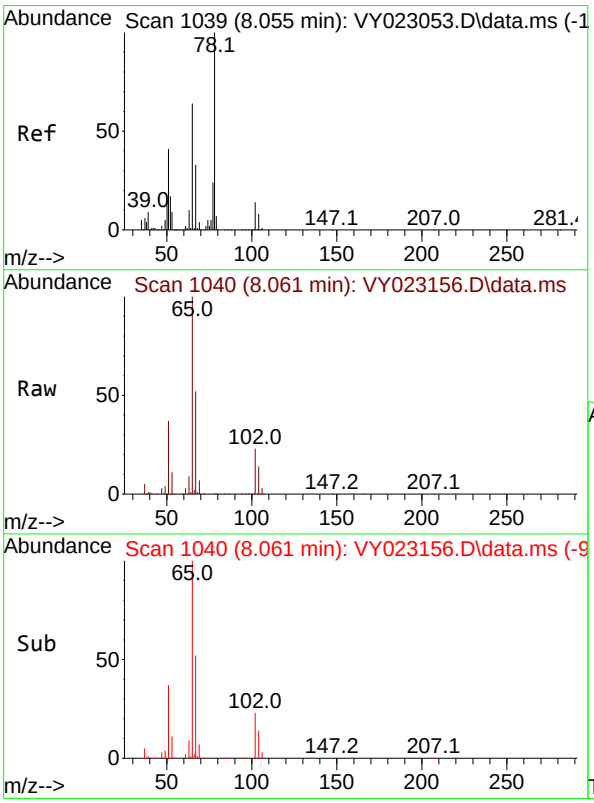
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:168 Resp: 523510

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2

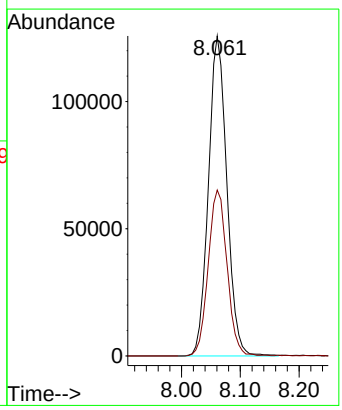


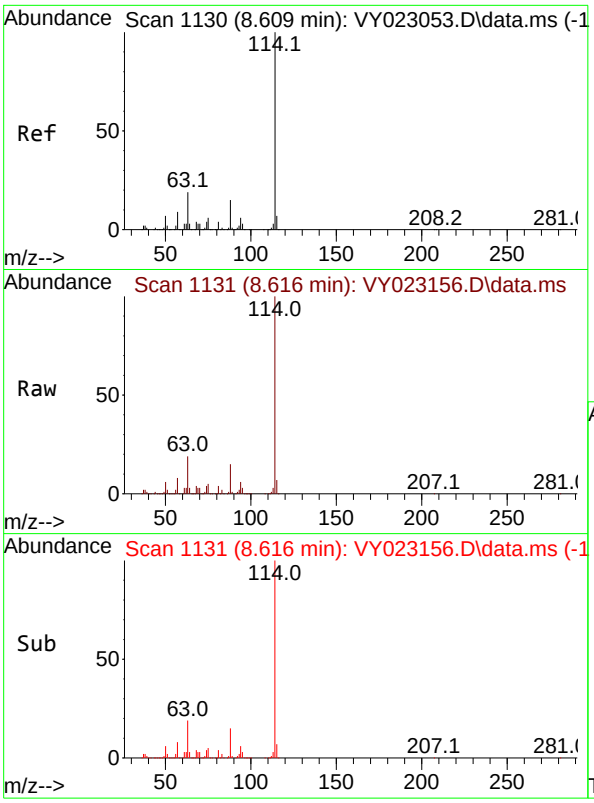


#33
1,2-Dichloroethane-d4
Concen: 54.854 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 65 Resp: 273689

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8



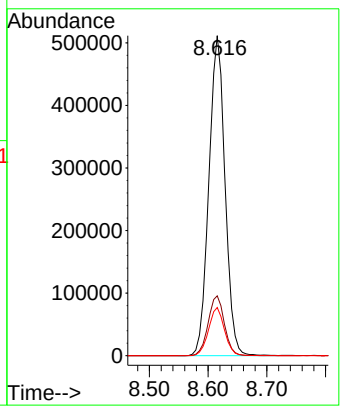


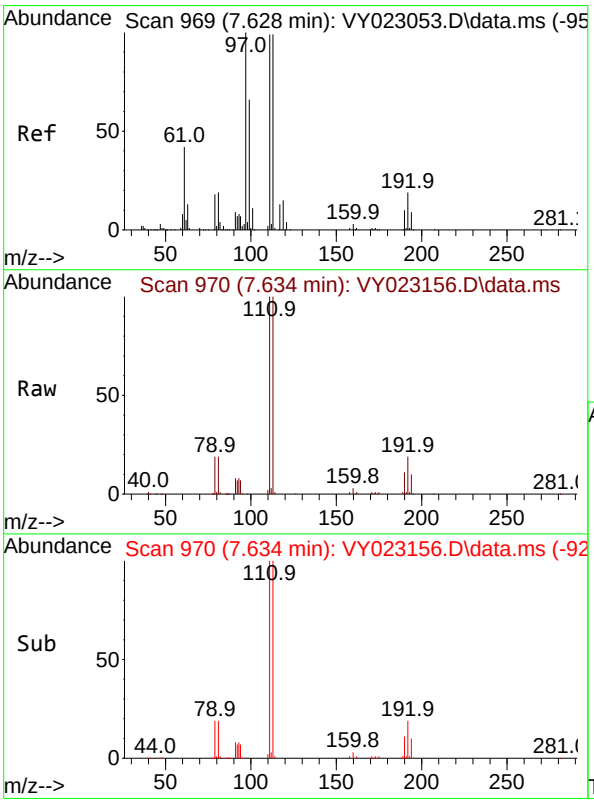
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:114 Resp: 976443

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.1	0.0	30.0

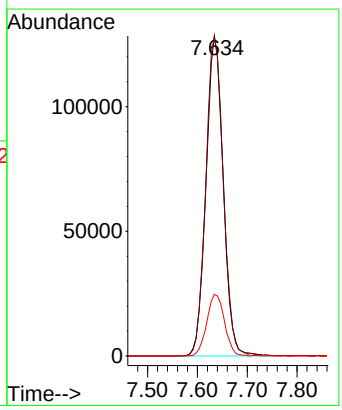


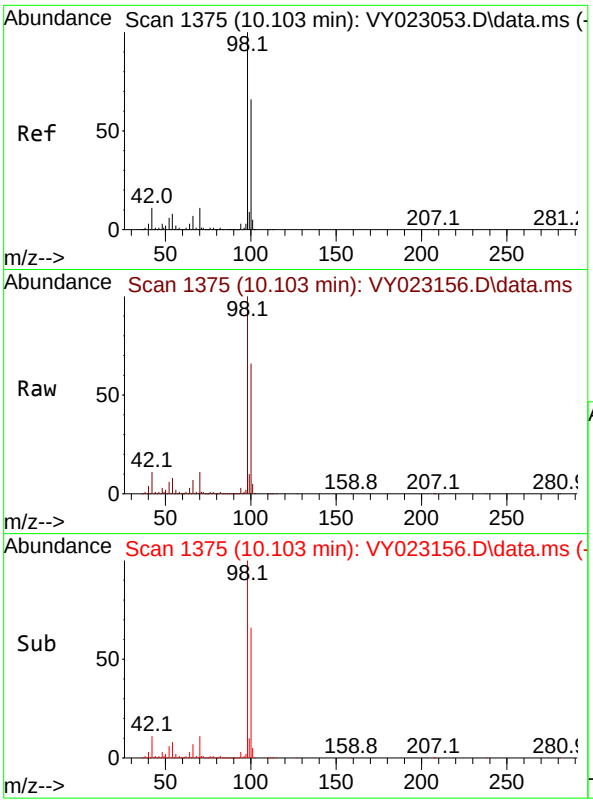


#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion:113 Resp: 307577

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	19.8	16.2	24.4



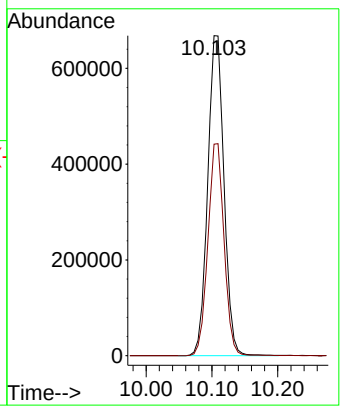


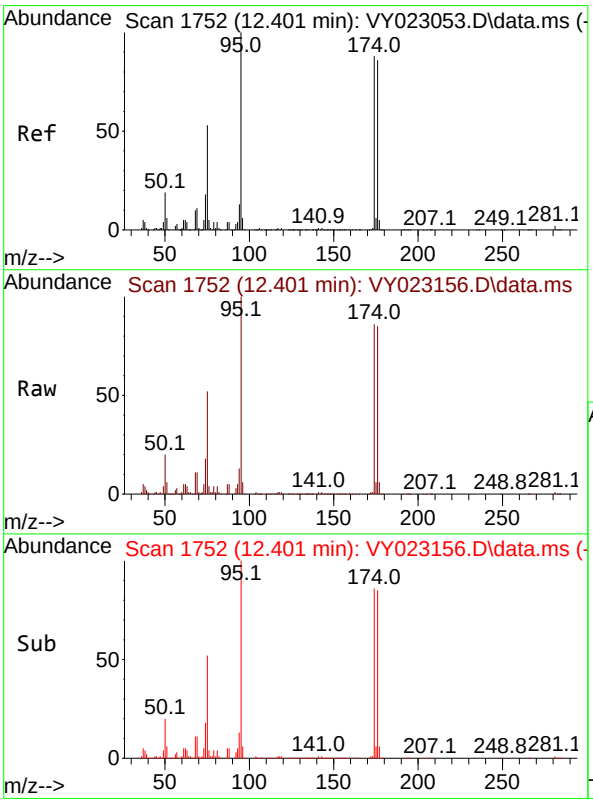
#50
Toluene-d8
Concen: 50.414 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 98 Resp: 1150699

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5

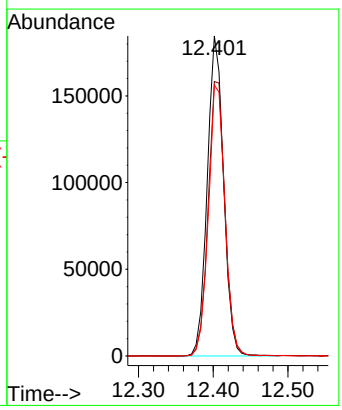


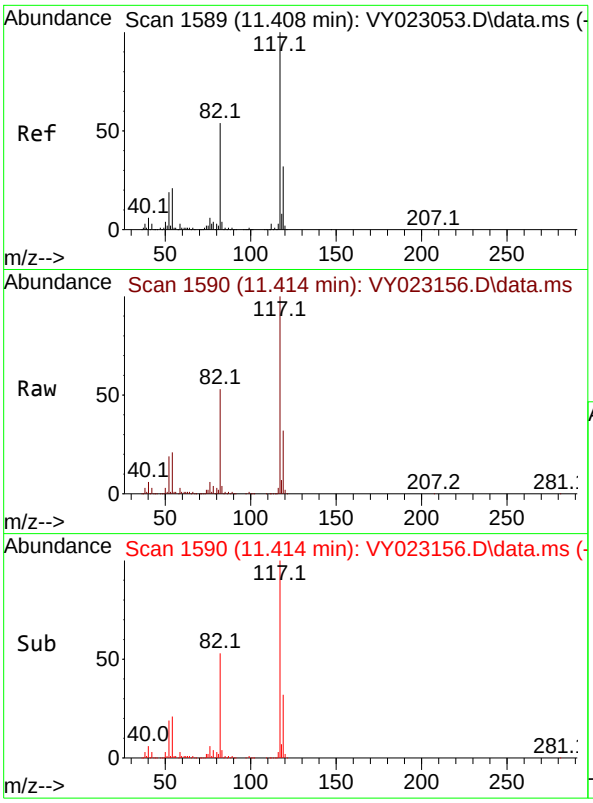


#62
4-Bromofluorobenzene
Concen: 38.147 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 95 Resp: 280017

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	171.6
176	85.8	0.0	167.6



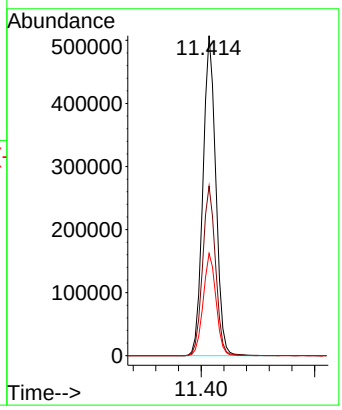


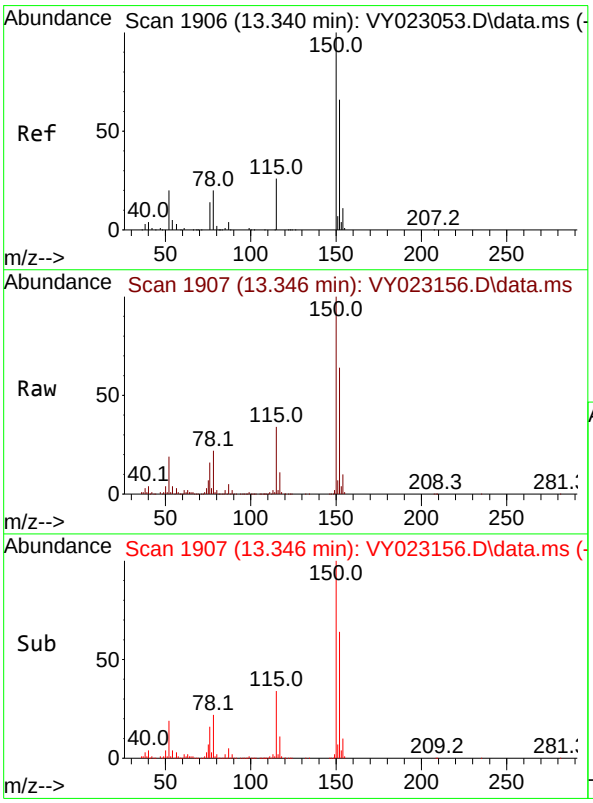
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:117 Resp: 798419

Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.4	65.0
119	31.9	25.6	38.4

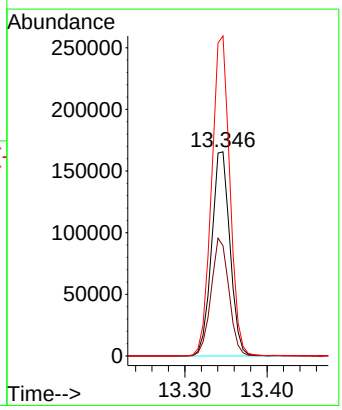




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion:152 Resp: 256755

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.2	84.6
150	155.5	0.0	348.0



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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425RE	SDG No.:	Q2879
Lab Sample ID:	Q2879-17RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77
Sample Wt/Vol:	3.51 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:	Date Analyzed	Prep Batch ID
VY023172.D	1	08/20/25 13:48	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0074	U	0.0021	0.0074	0.0093	mg/Kg
74-87-3	Chloromethane	0.0046	U	0.0021	0.0046	0.0093	mg/Kg
75-01-4	Vinyl Chloride	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
74-83-9	Bromomethane	0.0074	U	0.0020	0.0074	0.0093	mg/Kg
75-00-3	Chloroethane	0.0046	U	0.0023	0.0046	0.0093	mg/Kg
109-99-9	Tetrahydrofuran	0.023	U	0.0086	0.023	0.046	mg/Kg
75-69-4	Trichlorofluoromethane	0.0074	U	0.0022	0.0074	0.0093	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0046	U	0.0020	0.0046	0.0093	mg/Kg
75-35-4	1,1-Dichloroethene	0.0046	U	0.0019	0.0046	0.0093	mg/Kg
107-13-1	Acrylonitrile	0.023	U	0.0092	0.023	0.046	mg/Kg
67-64-1	Acetone	0.037	U	0.0088	0.037	0.046	mg/Kg
75-15-0	Carbon Disulfide	0.0074	U	0.0020	0.0074	0.0093	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
75-09-2	Methylene Chloride	0.015	U	0.0065	0.015	0.019	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0046	U	0.0016	0.0046	0.0093	mg/Kg
75-34-3	1,1-Dichloroethane	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
78-93-3	2-Butanone	0.037	U	0.012	0.037	0.046	mg/Kg
56-23-5	Carbon Tetrachloride	0.0046	U	0.0018	0.0046	0.0093	mg/Kg
594-20-7	2,2-Dichloropropane	0.0074	U	0.0024	0.0074	0.0093	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
67-66-3	Chloroform	0.0074	U	0.0016	0.0074	0.0093	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0046	U	0.0017	0.0046	0.0093	mg/Kg
563-58-6	1,1-Dichloropropene	0.0046	U	0.0016	0.0046	0.0093	mg/Kg
71-43-2	Benzene	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
107-06-2	1,2-Dichloroethane	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
79-01-6	Trichloroethene	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
78-87-5	1,2-Dichloropropane	0.0046	U	0.0017	0.0046	0.0093	mg/Kg
74-95-3	Dibromomethane	0.0046	U	0.0016	0.0046	0.0093	mg/Kg
75-27-4	Bromodichloromethane	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.023	U	0.0066	0.023	0.046	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425RE	SDG No.:	Q2879
Lab Sample ID:	Q2879-17RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77
Sample Wt/Vol:	3.51 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:	Date Analyzed	Prep Batch ID
VY023172.D	1	08/20/25 13:48	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0046	U	0.0012	0.0046	0.0093	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0046	U	0.0011	0.0046	0.0093	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0046	U	0.0017	0.0046	0.0093	mg/Kg
142-28-9	1,3-Dichloropropane	0.0046	U	0.0013	0.0046	0.0093	mg/Kg
591-78-6	2-Hexanone	0.023	U	0.0068	0.023	0.046	mg/Kg
124-48-1	Dibromochloromethane	0.0046	U	0.0016	0.0046	0.0093	mg/Kg
106-93-4	1,2-Dibromoethane	0.0046	U	0.0016	0.0046	0.0093	mg/Kg
127-18-4	Tetrachloroethene	0.0046	U	0.0019	0.0046	0.0093	mg/Kg
108-90-7	Chlorobenzene	0.0046	U	0.0017	0.0046	0.0093	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
100-41-4	Ethyl Benzene	0.0046	U	0.0012	0.0046	0.0093	mg/Kg
1330-20-7	Total Xylenes	0.014	U	0.0038	0.014	0.028	mg/Kg
179601-23-1	m/p-Xylenes	0.0093	U	0.0023	0.0093	0.019	mg/Kg
95-47-6	o-Xylene	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
100-42-5	Styrene	0.0046	U	0.0013	0.0046	0.0093	mg/Kg
75-25-2	Bromoform	0.0046	U	0.0016	0.0046	0.0093	mg/Kg
98-82-8	Isopropylbenzene	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0046	U	0.0022	0.0046	0.0093	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0074	U	0.0023	0.0074	0.0093	mg/Kg
108-86-1	Bromobenzene	0.0046	U	0.0022	0.0046	0.0093	mg/Kg
103-65-1	n-propylbenzene	0.0046	U	0.0014	0.0046	0.0093	mg/Kg
95-49-8	2-Chlorotoluene	0.0046	U	0.0013	0.0046	0.0093	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0046	U	0.0015	0.0046	0.0093	mg/Kg
106-43-4	4-Chlorotoluene	0.0046	U	0.0023	0.0046	0.0093	mg/Kg
98-06-6	tert-Butylbenzene	0.0046	U	0.0012	0.0046	0.0093	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0046	U	0.0012	0.0046	0.0093	mg/Kg
135-98-8	sec-Butylbenzene	0.0046	U	0.0012	0.0046	0.0093	mg/Kg
99-87-6	p-Isopropyltoluene	0.0046	U	0.0011	0.0046	0.0093	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0046	U	0.0032	0.0046	0.0093	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0046	U	0.0029	0.0046	0.0093	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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425RE	SDG No.:	Q2879
Lab Sample ID:	Q2879-17RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77
Sample Wt/Vol:	3.51 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:	Date Analyzed	Prep Batch ID
VY023172.D	1	08/20/25 13:48	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0046	U	0.0027	0.0046	0.0093	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0046	U	0.0027	0.0046	0.0093	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0074	U	0.0034	0.0074	0.0093	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0074	U	0.0055	0.0074	0.0093	mg/Kg
87-68-3	Hexachlorobutadiene	0.0046	U	0.0035	0.0046	0.0093	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0074	U	0.0059	0.0074	0.0093	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0046	U	0.0020	0.0046	0.0093	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.2		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	59.0		78 - 119		118%	SPK: 50
2037-26-5	Toluene-d8	49.8		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.2	*	79 - 119		76%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	183000	7.707				
540-36-3	1,4-Difluorobenzene	323000	8.616				
3114-55-4	Chlorobenzene-d5	259000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	77900	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\VY082025\
Data File : VY023172.D
Acq On : 20 Aug 2025 13:48
Operator : SY/MD
Sample : Q2879-17RE
Misc : 3.51g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

Quant Time: Aug 20 15:24:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

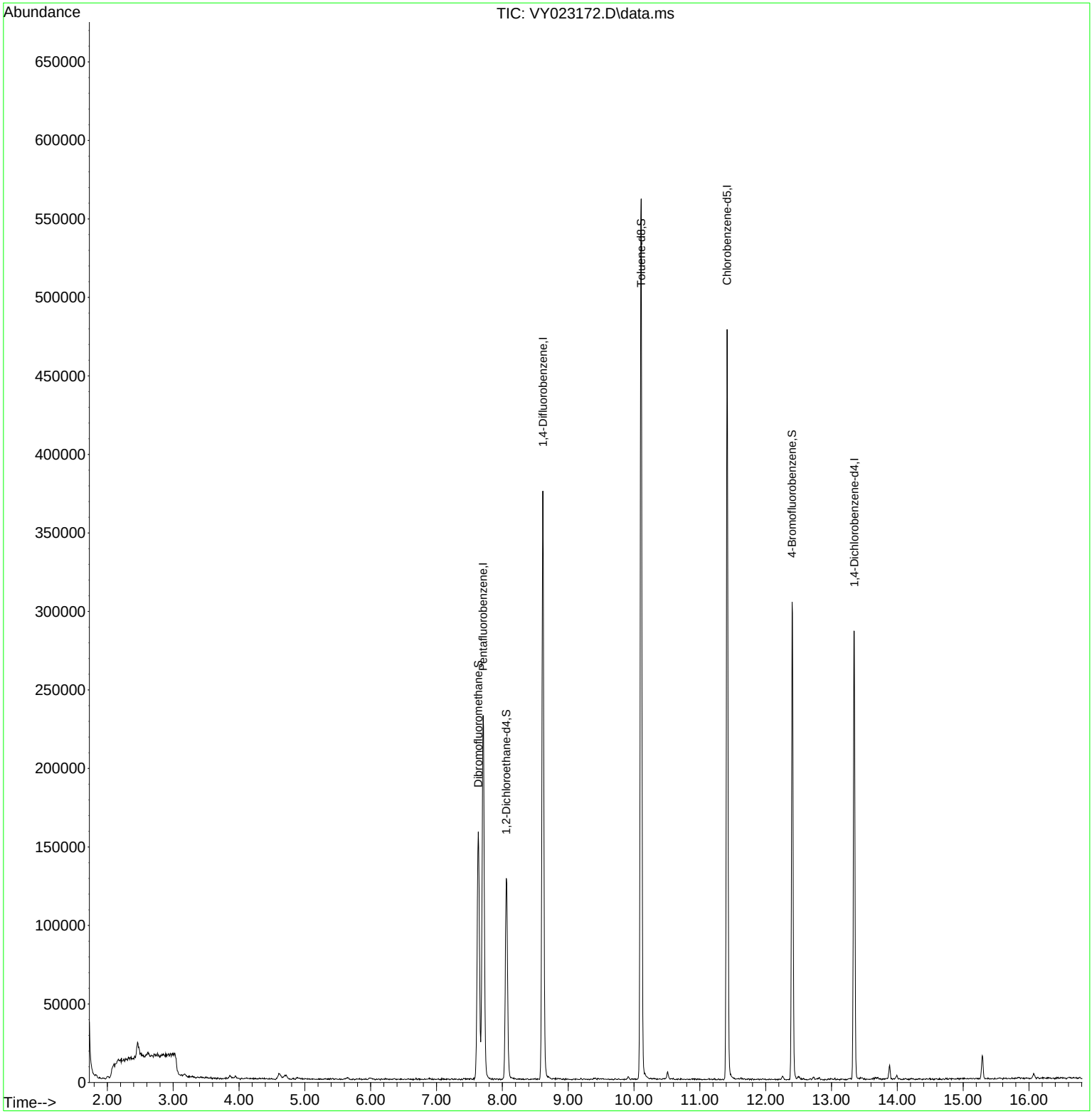
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	182608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	323352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	259490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	77921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104802	60.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.440%			
35) Dibromofluoromethane	7.634	113	114111	58.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.960%			
50) Toluene-d8	10.109	98	376590	49.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.402	95	92900	38.217	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.440%			
Target Compounds						Qvalue

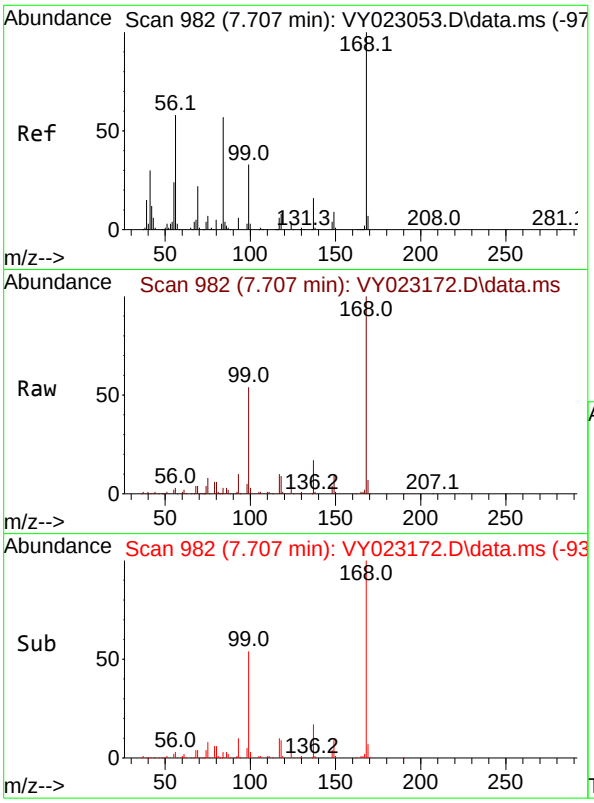
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023172.D
Acq On : 20 Aug 2025 13:48
Operator : SY/MD
Sample : Q2879-17RE
Misc : 3.51g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

Quant Time: Aug 20 15:24:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



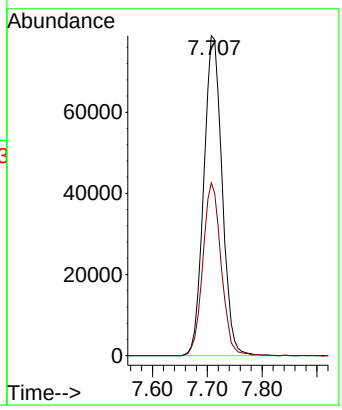


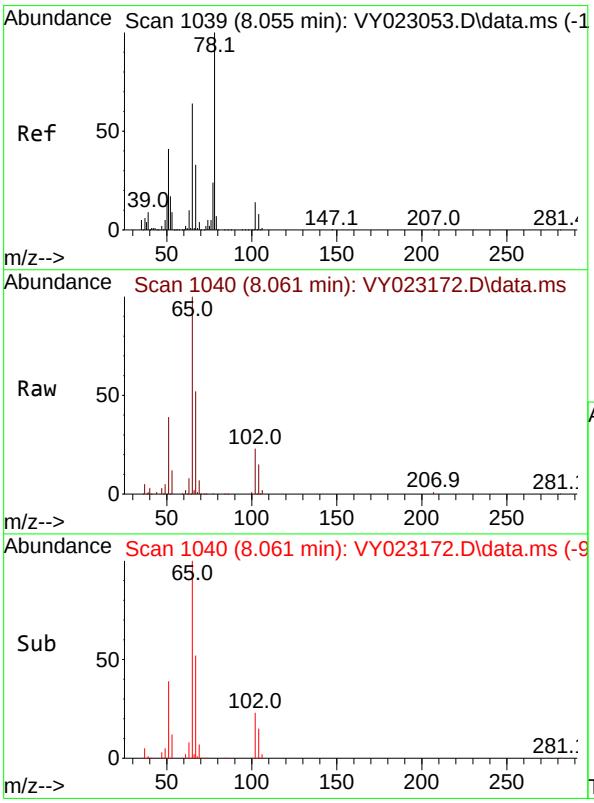
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

Tgt Ion:168 Resp: 182608

Ion	Ratio	Lower	Upper
168	100		
99	54.0	42.8	64.2

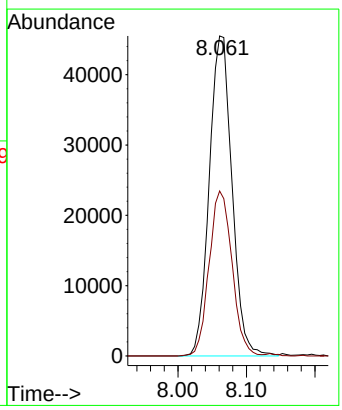


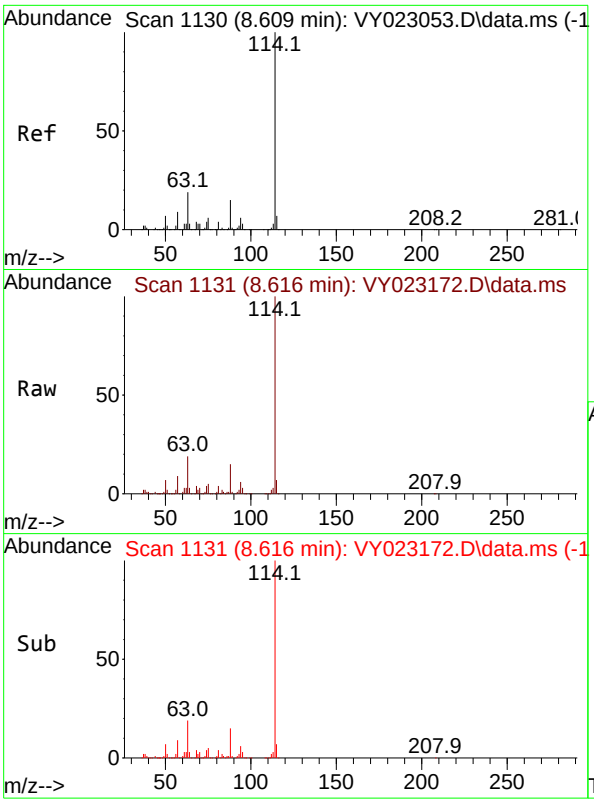


#33
1,2-Dichloroethane-d4
Concen: 60.218 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 65 Resp: 104802

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.8



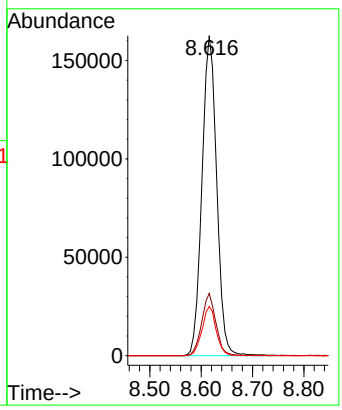


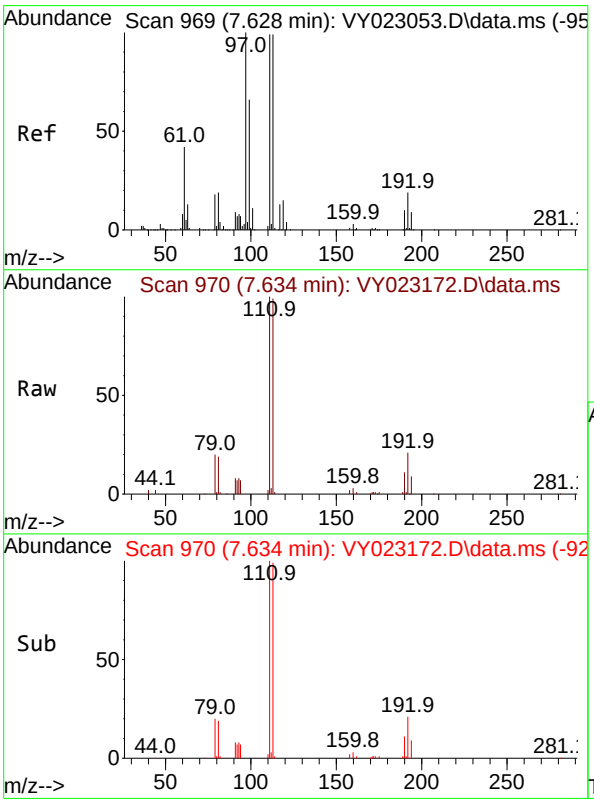
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

Tgt Ion:114 Resp: 323352

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.4
88	15.4	0.0	30.0

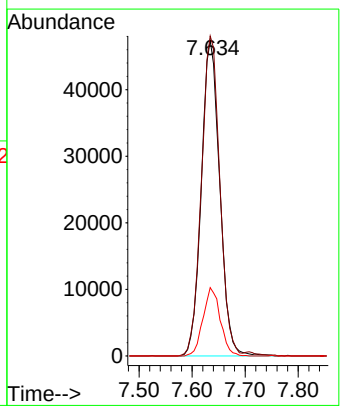


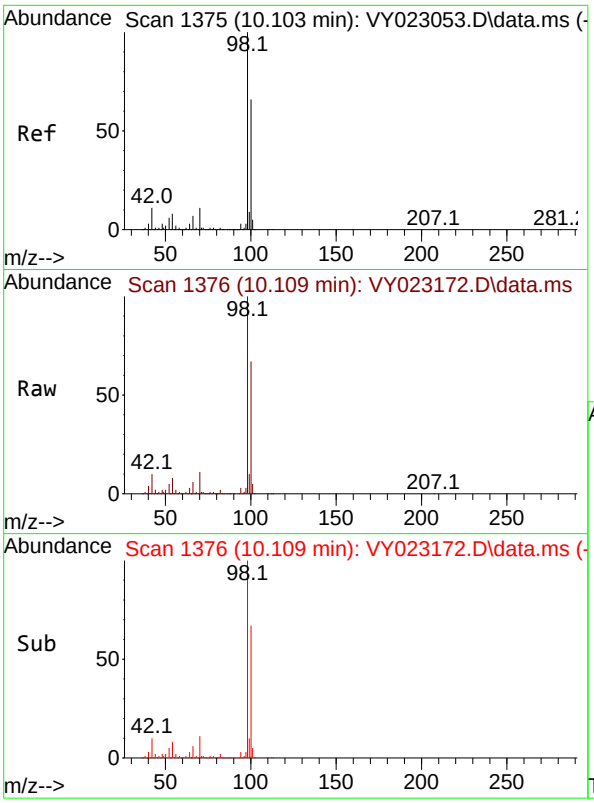


#35
Dibromofluoromethane
Concen: 58.977 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion:113 Resp: 114111

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	20.3	16.2	24.4



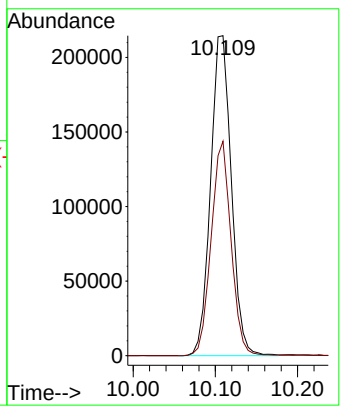


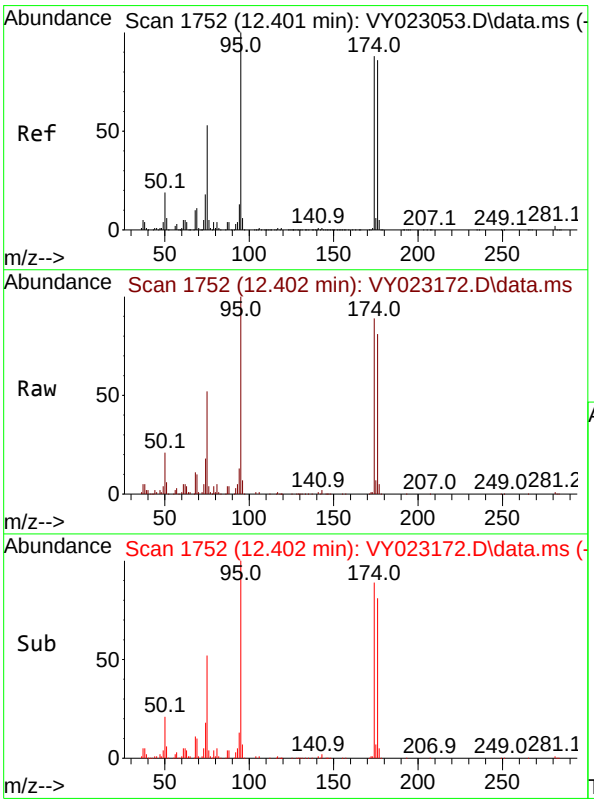
#50
Toluene-d8
Concen: 49.823 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

Tgt Ion: 98 Resp: 376590

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.3	78.5

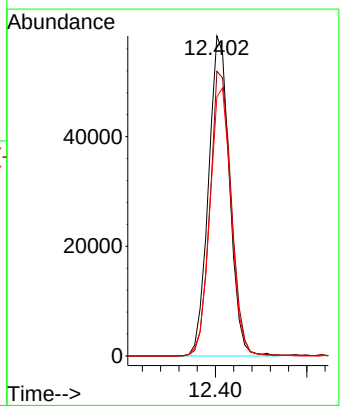


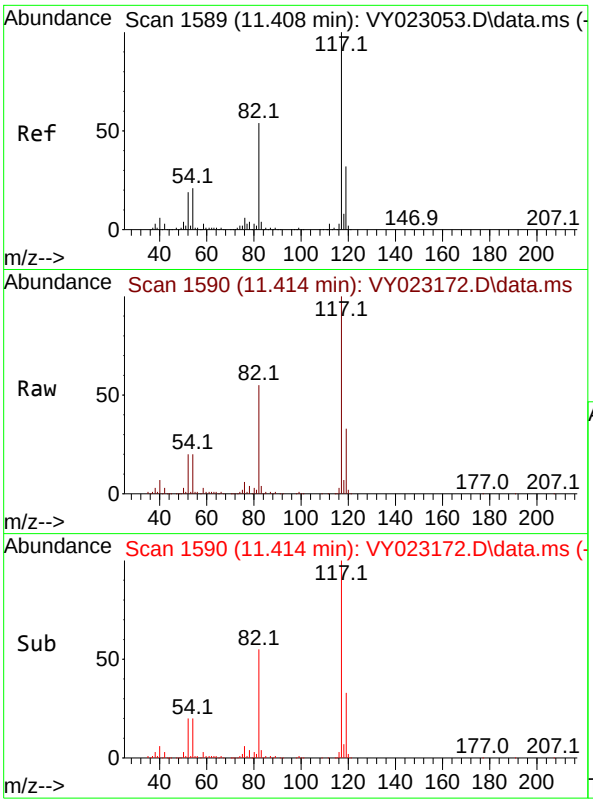


#62
4-Bromofluorobenzene
Concen: 38.217 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 95 Resp: 92900

Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	171.6
176	85.7	0.0	167.6



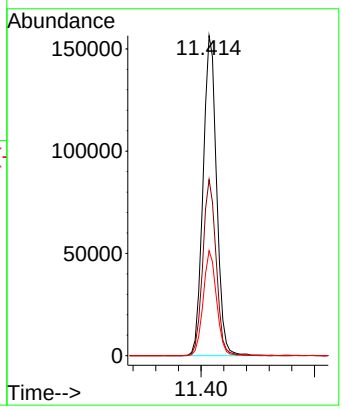


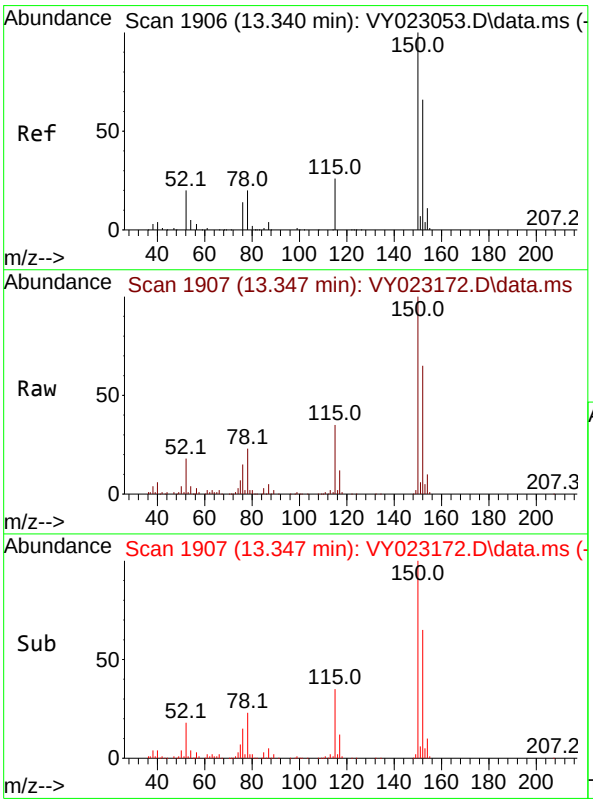
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

Tgt Ion:117 Resp: 259490

Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.4	65.0
119	32.8	25.6	38.4

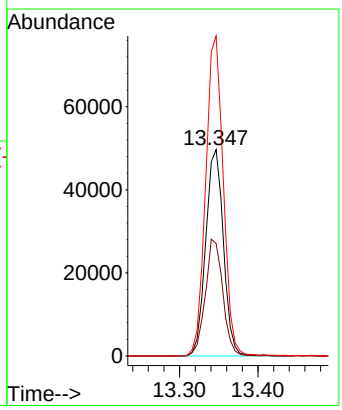




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion:152 Resp: 77921

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	153.5	0.0	348.0



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: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2879

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.8
Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9
Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.3
Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.5
Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.2
Tetrahydrofuran	0.084	0.091	0.089	0.087	0.081	0.091	0.087	4.6
Trichlorofluoromethane	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.7
1,1,2-Trichlorotrifluoroethane	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7
1,1-Dichloroethene	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.4
Acrylonitrile	0.101	0.114	0.112	0.106	0.100	0.109	0.107	5.5
Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.9
Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.3
Methyl tert-butyl Ether	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.1
Methylene Chloride	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.7
trans-1,2-Dichloroethene	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.3
1,1-Dichloroethane	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.1
2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.5
Carbon Tetrachloride	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.1
2,2-Dichloropropane	0.837	0.830	0.844	0.790	0.776	0.800	0.813	3.4
cis-1,2-Dichloroethene	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.8
Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.8
1,1,1-Trichloroethane	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.8
1,1-Dichloropropene	0.442	0.455	0.461	0.433	0.429	0.447	0.445	2.8
Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.8
1,2-Dichloroethane	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.6
Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.3
1,2-Dichloropropane	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.1
Dibromomethane	0.166	0.189	0.187	0.178	0.176	0.190	0.181	5.1
Bromodichloromethane	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.5
4-Methyl-2-Pentanone	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.7

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

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2879

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.3
t-1,3-Dichloropropene	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.5
cis-1,3-Dichloropropene	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.5
1,1,2-Trichloroethane	0.230	0.242	0.253	0.239	0.236	0.254	0.242	4
1,3-Dichloropropane	0.385	0.421	0.429	0.405	0.395	0.429	0.411	4.5
2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.6
Dibromochloromethane	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.1
1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.6
Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.2
Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.6
1,1,1,2-Tetrachloroethane	0.347	0.360	0.378	0.362	0.365	0.384	0.366	3.6
Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.6
m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.8
o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.1
Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	10
Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5
Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.4
1,1,2,2-Tetrachloroethane	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.2
1,2,3-Trichloropropane	0.551	0.483	0.472	0.535	0.409	0.444	0.483	11.2
Bromobenzene	0.824	0.830	0.866	0.828	0.831	0.873	0.842	2.6
n-propylbenzene	4.052	4.149	4.317	4.217	4.158	4.315	4.201	2.5
2-Chlorotoluene	2.349	2.398	2.464	2.382	2.390	2.461	2.407	1.9
1,3,5-Trimethylbenzene	2.672	2.811	2.932	2.859	2.872	2.966	2.852	3.6
4-Chlorotoluene	2.427	2.486	2.600	2.462	2.460	2.548	2.497	2.6
tert-Butylbenzene	2.428	2.481	2.626	2.588	2.630	2.702	2.576	4
1,2,4-Trimethylbenzene	2.596	2.760	2.955	2.837	2.894	2.993	2.839	5.1
sec-Butylbenzene	3.637	3.749	3.881	3.773	3.781	3.882	3.784	2.4
p-Isopropyltoluene	2.878	2.978	3.241	3.167	3.230	3.350	3.141	5.7
1,3-Dichlorobenzene	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.5
1,4-Dichlorobenzene	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.3

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2879

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	2.625	2.809	2.972	2.911	2.933	3.059	2.885	5.2
1,2-Dichlorobenzene	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.7
1,2-Dibromo-3-Chloropropane	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.3
1,2,4-Trichlorobenzene	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.4
Hexachlorobutadiene	0.533	0.506	0.522	0.491	0.480	0.504	0.506	3.8
1,2,3-Trichlorobenzene	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.7
1,2-Dichloroethane-d4	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.7
Dibromofluoromethane	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.1
Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.9
4-Bromofluorobenzene	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.4
trans-1,4-Dichloro-2-butene	0.181	0.215	0.203	0.197	0.190	0.210	0.199	6.4

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025
Response Via : Initial Calibration

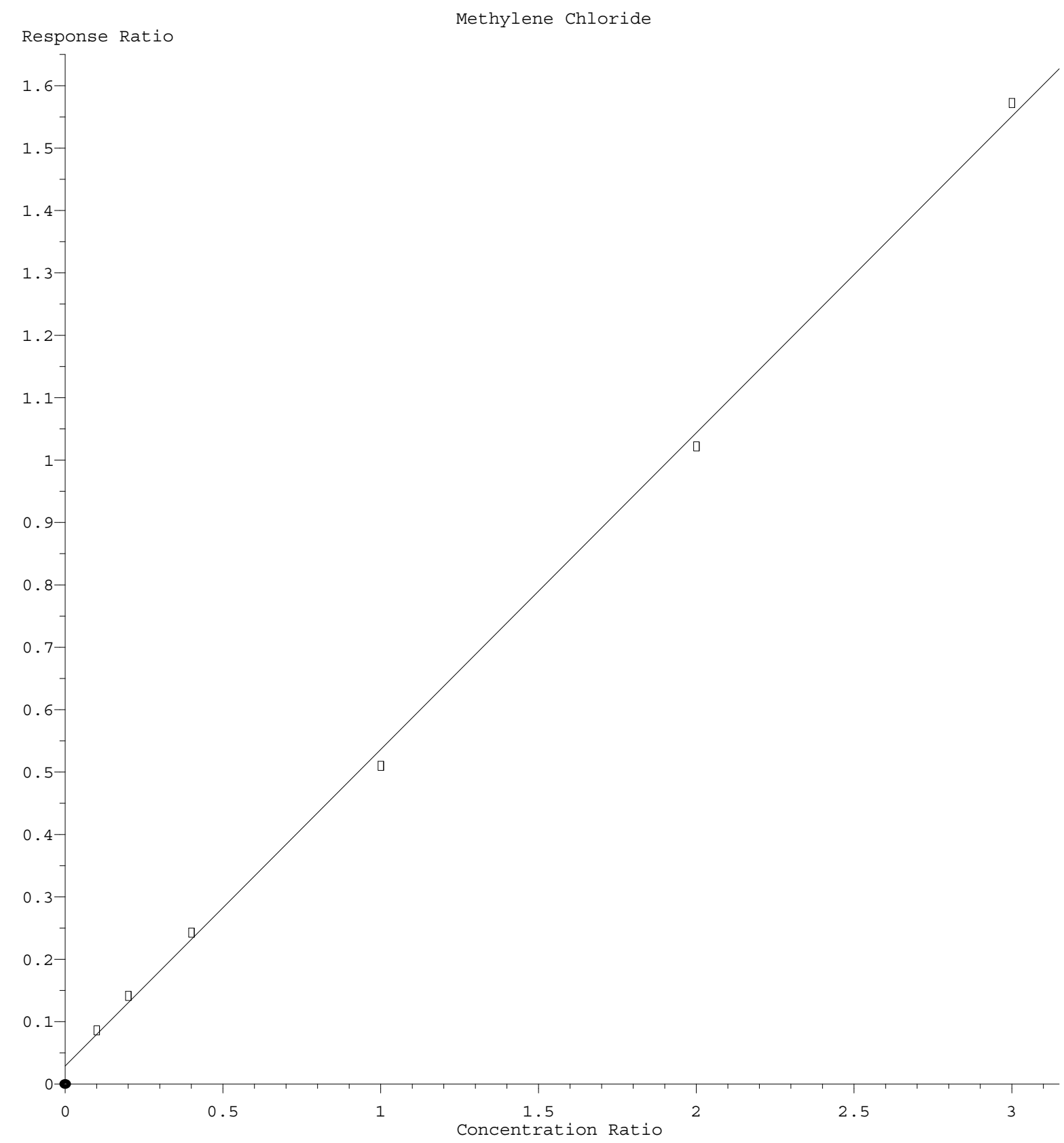
Calibration Files
5 =VY023050.D 10 =VY023051.D 20 =VY023052.D 50 =VY023053.D 100 =VY023054.D 150 =VY023055.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.79
3)	P	Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9.01
4)	C	Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.29#
5)	T	Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.52
6)	T	Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.19
7)	T	Trichlorofluor...	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.68
8)	T	Diethyl Ether	0.271	0.276	0.271	0.251	0.245	0.264	0.263	4.69
9)	T	1,1,2-Trichlor...	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7.01
10)	T	Methyl Iodide	0.468	0.491	0.539	0.549	0.564	0.563	0.529	7.57
11)	T	Tert butyl alc...	0.033	0.037	0.033	0.032	0.029	0.033	0.033	7.44
12)	CM	1,1-Dichloroet...	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.38#
13)	T	Acrolein	0.048	0.055	0.050	0.045	0.043	0.046	0.048	8.57
14)	T	Allyl chloride	0.734	0.718	0.724	0.686	0.681	0.712	0.709	3.01
15)	T	Acrylonitrile	0.101	0.114	0.112	0.106	0.100	0.109	0.107	5.51
16)	T	Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.89
17)	T	Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.30
18)	T	Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.37
19)	T	Methyl tert-bu...	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.09
20)	T	Methylene Chlo...	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.69
21)	T	trans-1,2-Dich...	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.28
22)	T	Diisopropyl ether	1.442	1.565	1.609	1.512	1.510	1.605	1.541	4.21
23)	T	Vinyl Acetate	0.790	0.875	0.875	0.841	0.830	0.899	0.852	4.62
24)	P	1,1-Dichloroet...	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.15
25)	T	2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.51
26)	T	2,2-Dichloropr...	0.837	0.830	0.844	0.790	0.776	0.800	0.813	3.43
27)	T	cis-1,2-Dichlo...	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.77
28)	T	Bromochloromet...	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.88
29)	T	Tetrahydrofuran	0.084	0.091	0.089	0.087	0.081	0.091	0.087	4.62
30)	C	Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.81#
31)	T	Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.35
32)	T	1,1,1-Trichlor...	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.85
33)	S	1,2-Dichloroet...	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.74
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.14
36)	T	1,1-Dichloropr...	0.442	0.455	0.461	0.433	0.429	0.447	0.445	2.81
37)	T	Ethyl Acetate	0.167	0.197	0.196	0.188	0.178	0.195	0.187	6.52
38)	T	Carbon Tetrach...	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.08
39)	T	Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.35
40)	TM	Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.76
41)	T	Methacrylonitrile	0.113	0.107	0.111	0.110	0.102	0.103	0.108	4.05
42)	TM	1,2-Dichloroet...	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.59
43)	T	Isopropyl Acetate	0.352	0.383	0.388	0.373	0.362	0.407	0.378	5.16
44)	TM	Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.35
45)	C	1,2-Dichloropr...	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.08#
46)	T	Dibromomethane	0.166	0.189	0.187	0.178	0.176	0.190	0.181	5.14
47)	T	Bromodichlorom...	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.47
48)	T	Methyl methacr...	0.149	0.180	0.189	0.188	0.182	0.196	0.181	9.18
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.71
50)	S	Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.92
51)	T	4-Methyl-2-Pen...	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.67
52)	CM	Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.28#
53)	T	t-1,3-Dichloro...	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.47
54)	T	cis-1,3-Dichlo...	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.54
55)	T	1,1,2-Trichlor...	0.230	0.242	0.253	0.239	0.236	0.254	0.242	3.96
56)	T	Ethyl methacry...	0.247	0.298	0.312	0.320	0.323	0.359	0.310	11.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y081225S.M

57)	T	1,3-Dichloropr...	0.385	0.421	0.429	0.405	0.395	0.429	0.411	4.52
58)	T	2-Chloroethyl ...	0.114	0.135	0.144	0.155	0.158	0.171	0.146	13.68
59)	T	2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.57
60)	T	Dibromochlorom...	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.09
61)	T	1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.60
62)	S	4-Bromofluorob...	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.16
65)	PM	Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.55
66)	T	1,1,1,2-Tetrac...	0.347	0.360	0.378	0.362	0.365	0.384	0.366	3.58
67)	C	Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.56#
68)	T	m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.80
69)	T	o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.13
70)	T	Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	9.96
71)	P	Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5.03
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.36
74)	T	N-amyl acetate	0.633	0.738	0.757	0.767	0.756	0.840	0.748	8.89
75)	P	1,1,2,2-Tetrac...	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.20
76)	T	1,2,3-Trichlor...	0.551	0.483	0.472	0.535	0.409	0.444	0.483	11.18
77)	T	Bromobenzene	0.824	0.830	0.866	0.828	0.831	0.873	0.842	2.58
78)	T	n-propylbenzene	4.052	4.149	4.317	4.217	4.158	4.315	4.201	2.46
79)	T	2-Chlorotoluene	2.349	2.398	2.464	2.382	2.390	2.461	2.407	1.90
80)	T	1,3,5-Trimethy...	2.672	2.811	2.932	2.859	2.872	2.966	2.852	3.64
81)	T	trans-1,4-Dich...	0.181	0.215	0.203	0.197	0.190	0.210	0.199	6.43
82)	T	4-Chlorotoluene	2.427	2.486	2.600	2.462	2.460	2.548	2.497	2.59
83)	T	tert-Butylbenzene	2.428	2.481	2.626	2.588	2.630	2.702	2.576	3.98
84)	T	1,2,4-Trimethy...	2.596	2.760	2.955	2.837	2.894	2.993	2.839	5.12
85)	T	sec-Butylbenzene	3.637	3.749	3.881	3.773	3.781	3.882	3.784	2.42
86)	T	p-Isopropyltol...	2.878	2.978	3.241	3.167	3.230	3.350	3.141	5.66
87)	T	1,3-Dichlorobe...	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.46
88)	T	1,4-Dichlorobe...	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.35
89)	T	n-Butylbenzene	2.625	2.809	2.972	2.911	2.933	3.059	2.885	5.24
90)	T	Hexachloroethane	0.638	0.648	0.650	0.630	0.632	0.660	0.643	1.83
91)	T	1,2-Dichlorobe...	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.65
92)	T	1,2-Dibromo-3-...	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.27
93)	T	1,2,4-Trichlor...	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.43
94)	T	Hexachlorobuta...	0.533	0.506	0.522	0.491	0.480	0.504	0.506	3.85
95)	T	Naphthalene	1.204	1.364	1.462	1.488	1.500	1.791	1.468	13.14
96)	T	1,2,3-Trichlor...	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.73

(#) = Out of Range



Response = 5.073e-001 * Amt + 2.916e-002
Coef of Det (r^2) = 0.998910 Curve Fit: Linear
Method: \\Q287vnoc\MSZGroups\vocsrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Calibration Table Last Updated: Wed Aug 13 02:10:11 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	561390	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.610	114	904866	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	759914	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	360397	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.055	65	27563	5.152	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.300%#				
35) Dibromofluoromethane	7.634	113	26265	4.851	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.700%#				
50) Toluene-d8	10.103	98	104144	4.924	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.840%#				
62) 4-Bromofluorobenzene	12.402	95	32420	4.766	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.540%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	27351	5.969	ug/l		96
3) Chloromethane	2.068	50	39269	5.291	ug/l		98
4) Vinyl Chloride	2.202	62	48736	5.312	ug/l		99
5) Bromomethane	2.592	94	37773	5.513	ug/l		97
6) Chloroethane	2.732	64	32816	5.380	ug/l		98
7) Trichlorofluoromethane	3.050	101	59438	5.328	ug/l		99
8) Diethyl Ether	3.452	74	15231	5.160	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.812	101	29291	5.322	ug/l		98
10) Methyl Iodide	3.994	142	26272	4.424	ug/l		98
11) Tert butyl alcohol	4.866	59	9219	25.147	ug/l	#	92
12) 1,1-Dichloroethene	3.787	96	27635	5.108	ug/l		87
13) Acrolein	3.647	56	13391	24.941	ug/l		95
14) Allyl chloride	4.372	41	41201	5.176	ug/l		94
15) Acrylonitrile	5.061	53	28255	23.547	ug/l		95
16) Acetone	3.866	43	30803	26.574	ug/l		98
17) Carbon Disulfide	4.098	76	92964	5.270	ug/l		96
18) Methyl Acetate	4.379	43	16806	4.872	ug/l		99
19) Methyl tert-butyl Ether	5.116	73	66308	4.730	ug/l		98
20) Methylene Chloride	4.604	84	48322	5.657	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	30021	4.938	ug/l		97
22) Diisopropyl ether	6.012	45	80938	4.679	ug/l		91
23) Vinyl Acetate	5.958	43	221862	23.196	ug/l		97
24) 1,1-Dichloroethane	5.909	63	52152	4.931	ug/l		99
25) 2-Butanone	6.890	43	37821	23.991	ug/l		97
26) 2,2-Dichloropropane	6.878	77	46964	5.147	ug/l		99
27) cis-1,2-Dichloroethene	6.884	96	34877	4.962	ug/l		97
28) Bromochloromethane	7.238	49	20615	4.913	ug/l		96
29) Tetrahydrofuran	7.256	42	23487	24.035	ug/l		96
30) Chloroform	7.415	83	54392	4.987	ug/l		96
31) Cyclohexane	7.701	56	58362	5.856	ug/l	#	83
32) 1,1,1-Trichloroethane	7.610	97	48413	5.003	ug/l		99
36) 1,1-Dichloropropene	7.829	75	39978	4.968	ug/l		99
37) Ethyl Acetate	6.982	43	15080	4.461	ug/l	#	95
38) Carbon Tetrachloride	7.811	117	44360	5.076	ug/l		99
39) Methylcyclohexane	9.103	83	51931	4.901	ug/l		99
40) Benzene	8.073	78	122482	4.939	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	10246m	5.247	ug/l		
42) 1,2-Dichloroethane	8.152	62	31902	4.946	ug/l		98
43) Isopropyl Acetate	8.195	43	31890	4.668	ug/l		100
44) Trichloroethene	8.859	130	32050	5.001	ug/l		93
45) 1,2-Dichloropropane	9.134	63	27418	4.805	ug/l		93
46) Dibromomethane	9.225	93	15033	4.590	ug/l		97
47) Bromodichloromethane	9.420	83	40327	4.785	ug/l		98
48) Methyl methacrylate	9.219	41	13477	4.122	ug/l		90
49) 1,4-Dioxane	9.231	88	3454	89.939	ug/l	#	91
51) 4-Methyl-2-Pentanone	9.993	43	75891	21.535	ug/l		100
52) Toluene	10.164	92	73910	4.692	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	34154	4.475	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	41326	4.579	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	20795	4.745	ug/l		98
56) Ethyl methacrylate	10.432	69	22376	3.990	ug/l		99
57) 1,3-Dichloropropane	10.713	76	34835	4.687	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	51585	19.500	ug/l		100
59) 2-Hexanone	10.755	43	50604	21.088	ug/l		97
60) Dibromochloromethane	10.908	129	27141	4.693	ug/l		100
61) 1,2-Dibromoethane	11.012	107	18652	4.528	ug/l		97
64) Tetrachloroethene	10.640	164	36210	5.336	ug/l		97
65) Chlorobenzene	11.438	112	80684	4.922	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.511	131	26397	4.745	ug/l		94
67) Ethyl Benzene	11.511	91	134854	4.781	ug/l		99
68) m/p-Xylenes	11.621	106	102783	9.329	ug/l		97
69) o-Xylene	11.950	106	45944	4.453	ug/l		94
70) Styrene	11.963	104	71801	4.255	ug/l		97
71) Bromoform	12.127	173	14954	4.599	ug/l	#	94
73) Isopropylbenzene	12.249	105	123246	4.845	ug/l		99
74) N-amyl acetate	12.066	43	22829	4.232	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.499	83	21057	4.848	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	19875m	5.710	ug/l		
77) Bromobenzene	12.530	156	29681	4.891	ug/l		100
78) n-propylbenzene	12.590	91	146043	4.822	ug/l		99
79) 2-Chlorotoluene	12.670	91	84671	4.880	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	96308	4.685	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	6514	4.533	ug/l		89
82) 4-Chlorotoluene	12.773	91	87454	4.859	ug/l		99
83) tert-Butylbenzene	12.993	119	87496	4.712	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	93551	4.571	ug/l		100
85) sec-Butylbenzene	13.170	105	131079	4.806	ug/l		99
86) p-Isopropyltoluene	13.285	119	103731	4.582	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	57668	4.819	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	60781	5.120	ug/l		97
89) n-Butylbenzene	13.609	91	94594	4.549	ug/l		98
90) Hexachloroethane	13.871	117	22980	4.958	ug/l		97
91) 1,2-Dichlorobenzene	13.651	146	50829	4.843	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3369	4.982	ug/l		93
93) 1,2,4-Trichlorobenzene	14.913	180	28399	4.576	ug/l		98
94) Hexachlorobutadiene	15.017	225	19196	5.263	ug/l		96
95) Naphthalene	15.133	128	43395	4.100	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	24703	4.619	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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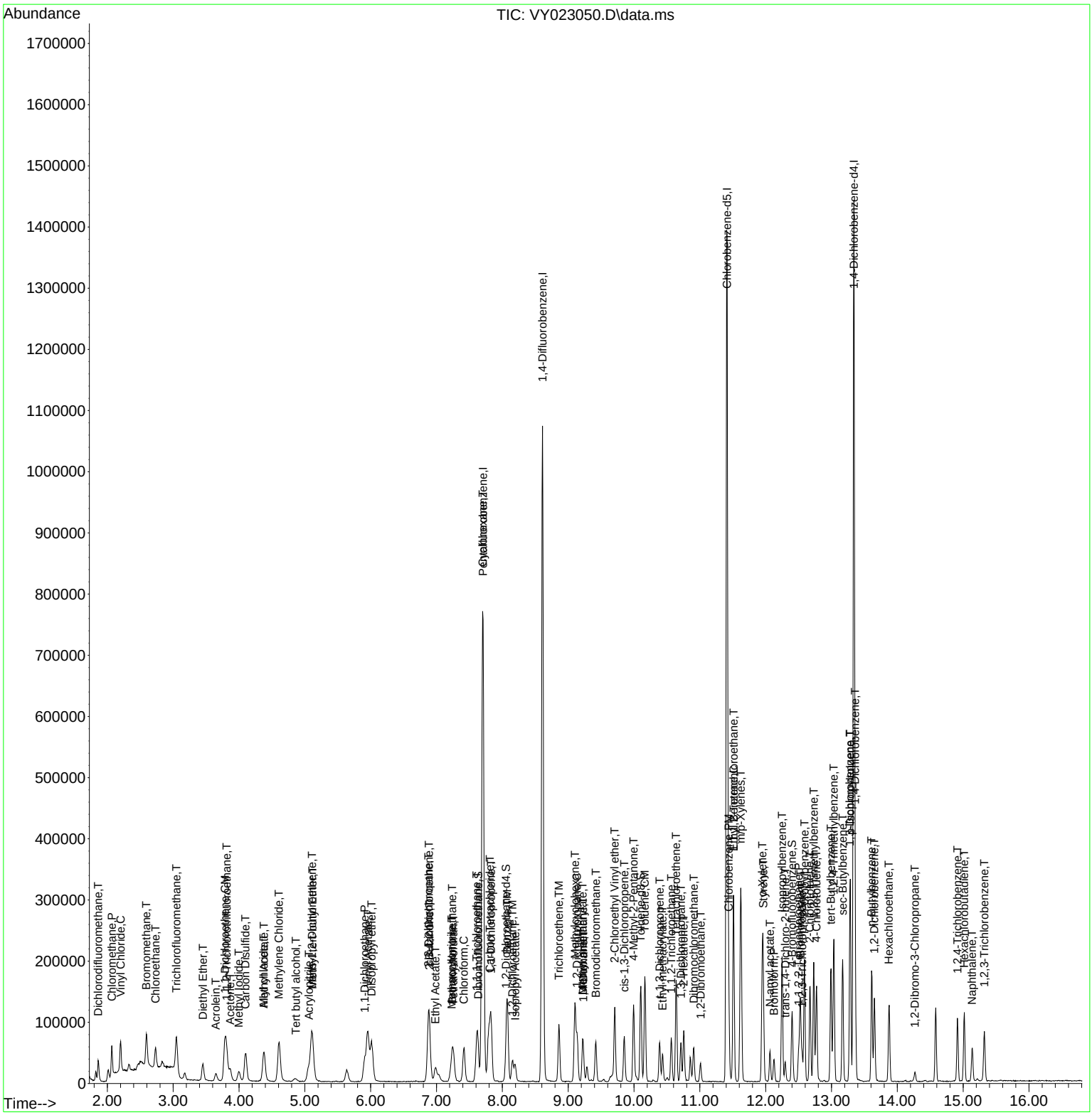
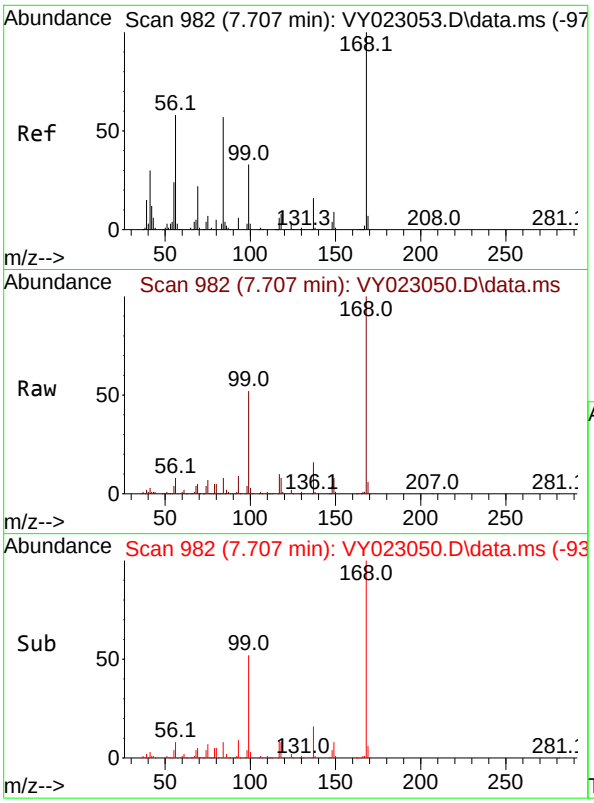
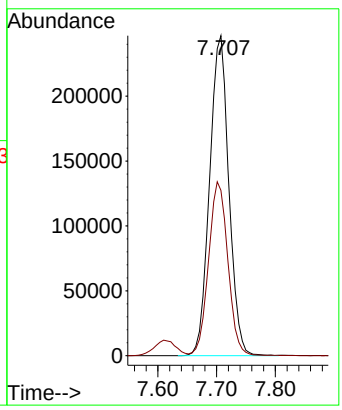




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:168 Resp: 56139

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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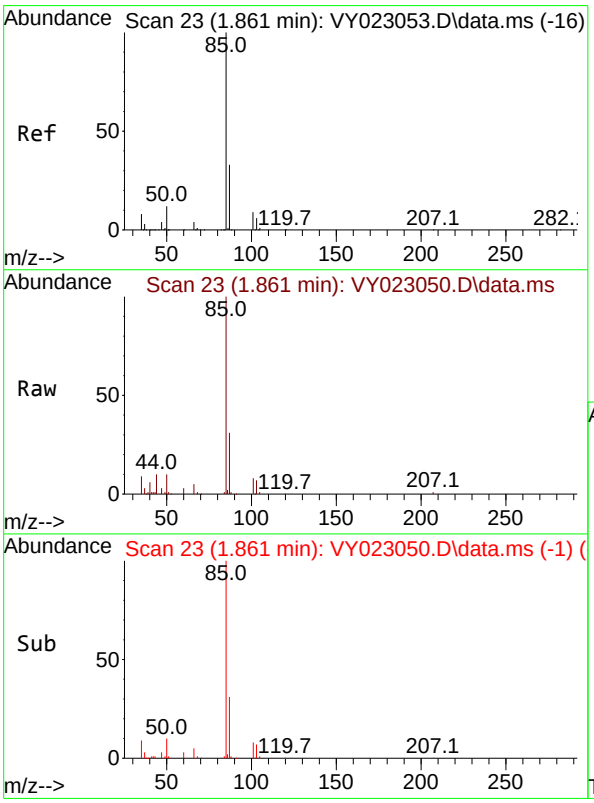
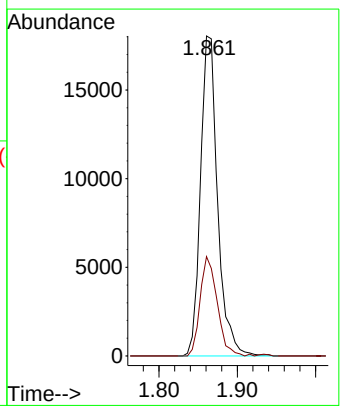
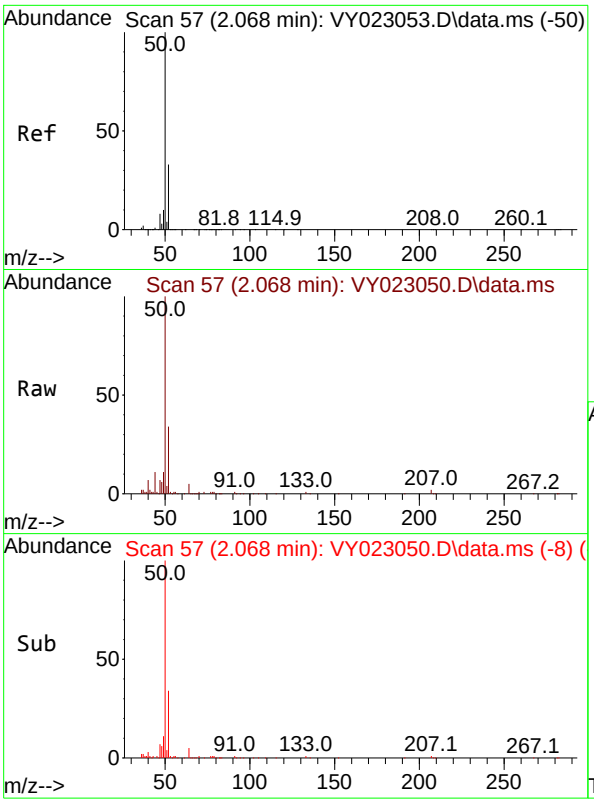


#2
Dichlorodifluoromethane
Concen: 5.969 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 85 Resp: 27351

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.6	49.8

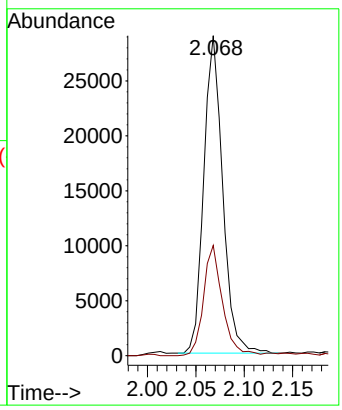




#3
Chloromethane
Concen: 5.291 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 50 Resp: 3926

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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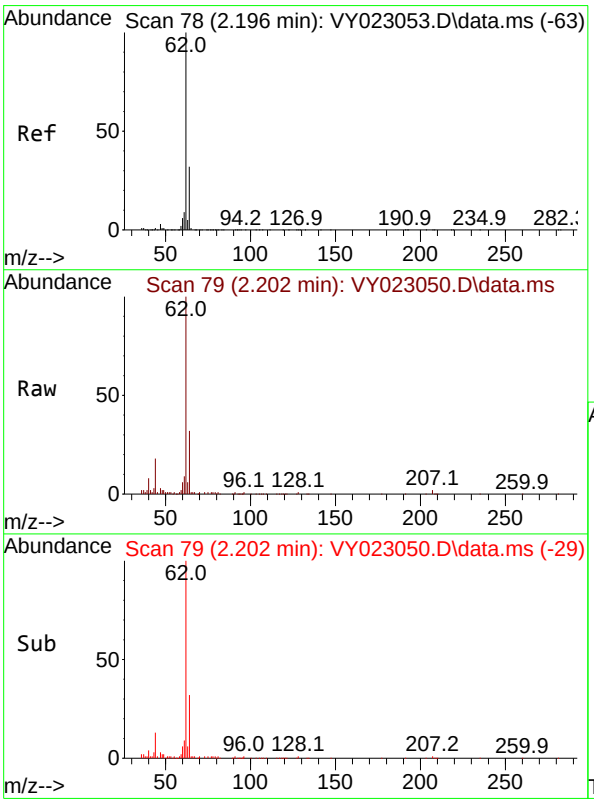
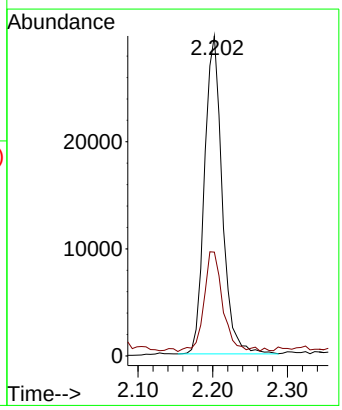
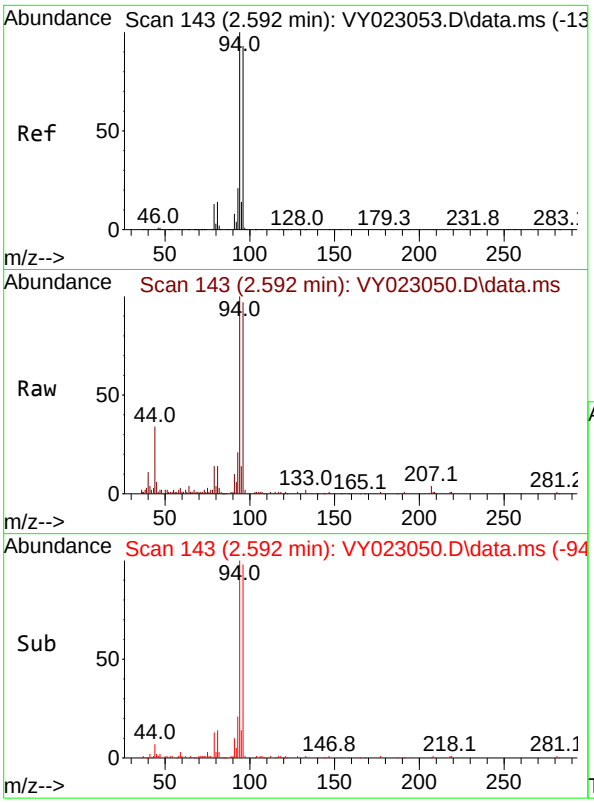


#4
Vinyl Chloride
Concen: 5.312 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 48736

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.4	38.0





#5
Bromomethane
Concen: 5.513 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

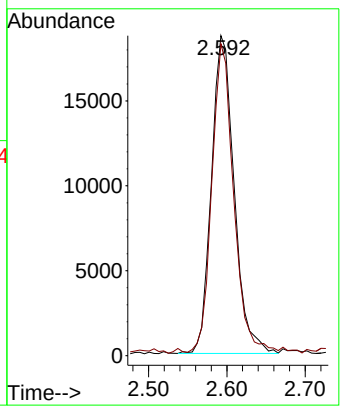
Tgt Ion: 94 Resp: 3777

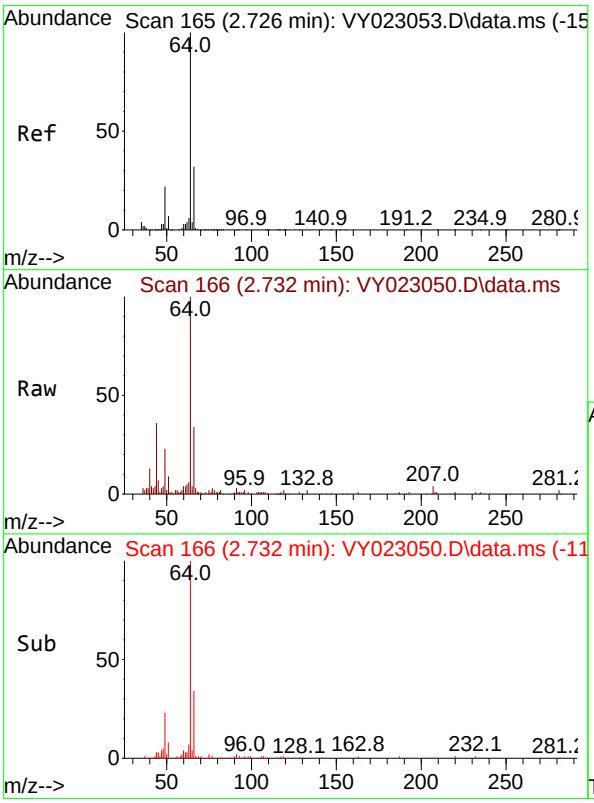
Ion	Ratio	Lower	Upper
94	100		
96	96.5	74.6	112.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

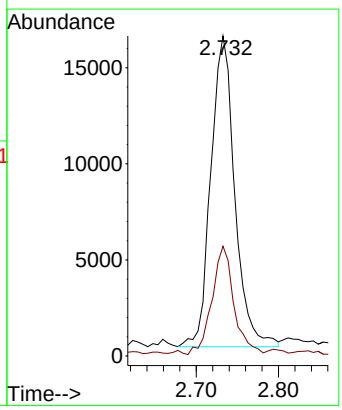


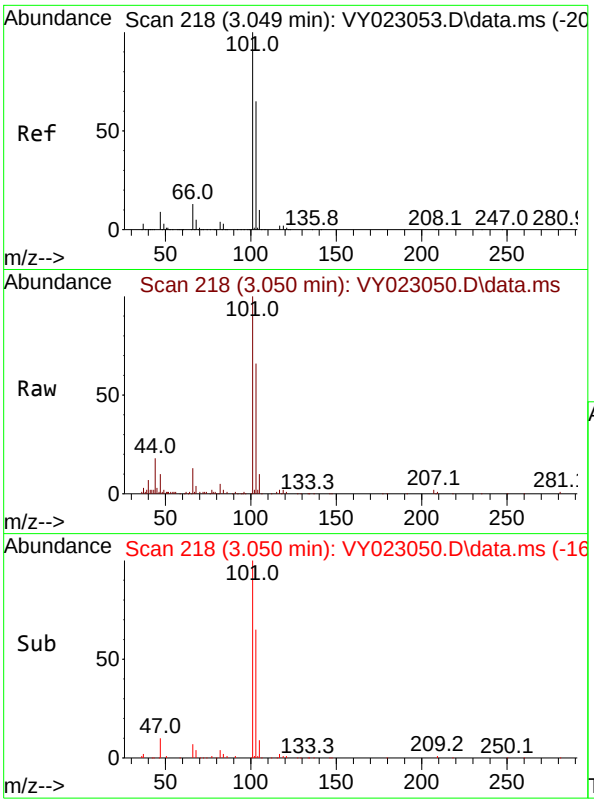


#6
Chloroethane
Concen: 5.380 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 64 Resp: 32816

Ion	Ratio	Lower	Upper
64	100		
66	33.5	25.8	38.6

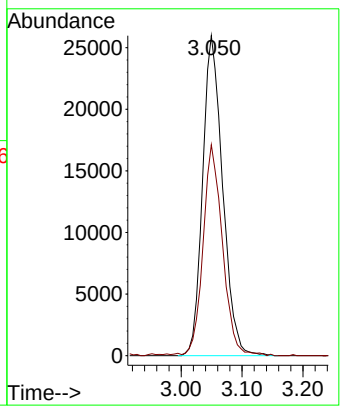




#7
Trichlorofluoromethane
Concen: 5.328 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:101 Resp: 5943

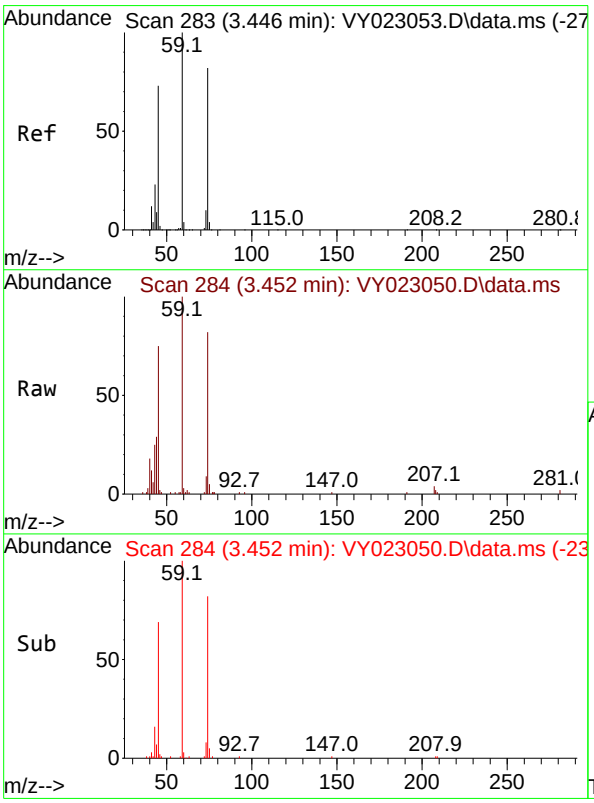
Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

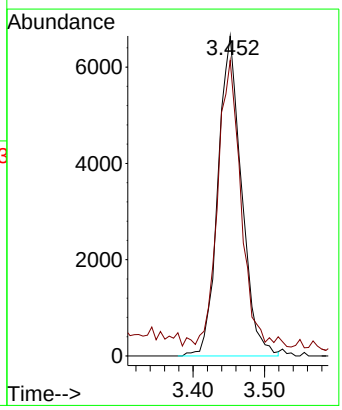
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

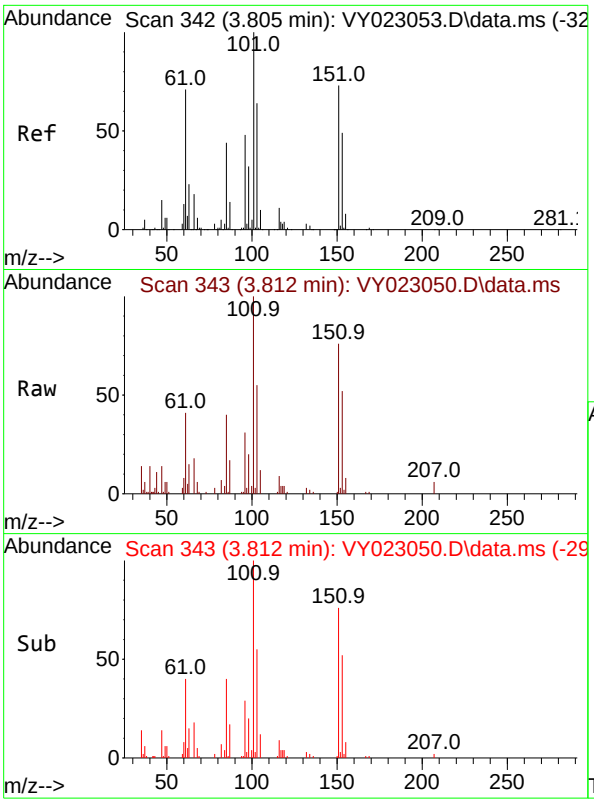


#8
Diethyl Ether
Concen: 5.160 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 74 Resp: 15231

Ion	Ratio	Lower	Upper
74	100		
45	88.2	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.322 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:101 Resp: 2929

Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.3	54.5
151	78.2	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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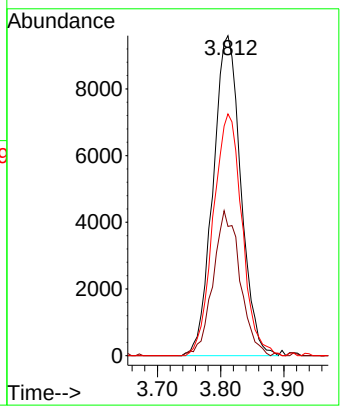
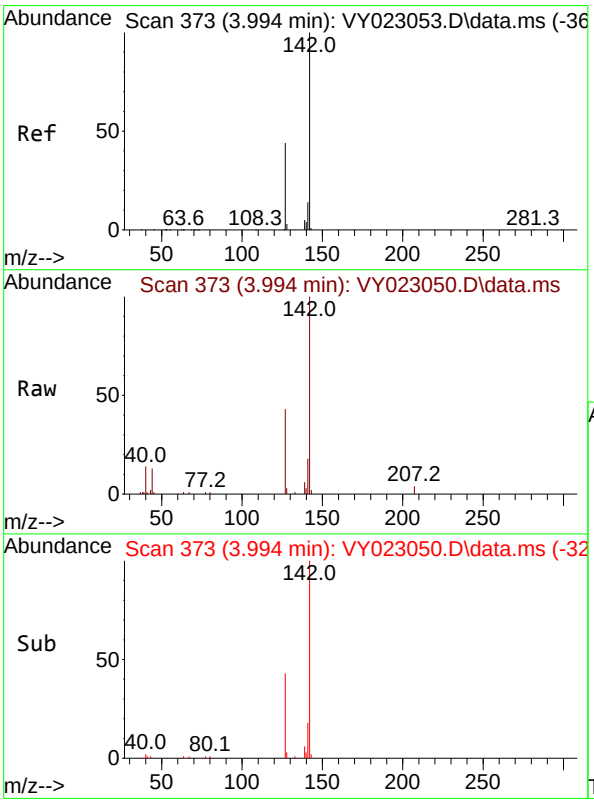
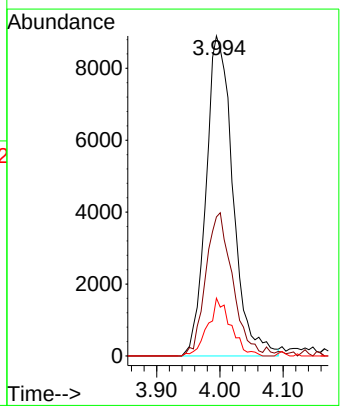


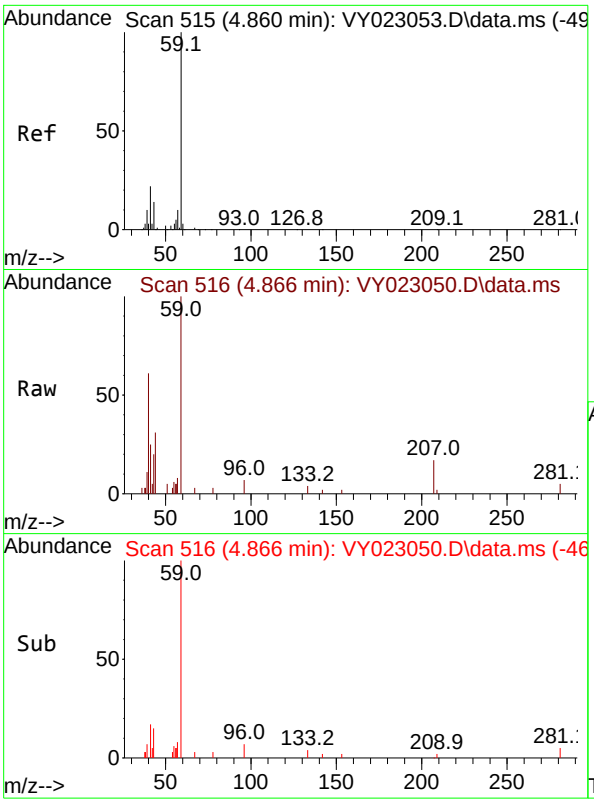


#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:142 Resp: 26272

Ion	Ratio	Lower	Upper
142	100		
127	44.6	34.9	52.3
141	15.6	11.3	16.9

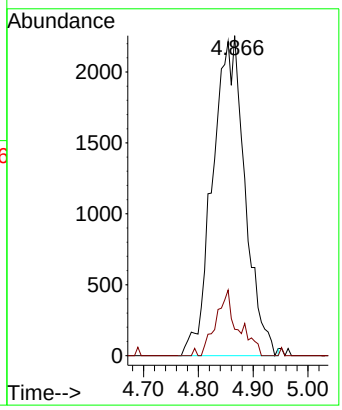




#11
Tert butyl alcohol
Concen: 25.147 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 59 Resp: 921

Ion	Ratio	Lower	Upper
59	100		
57	13.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
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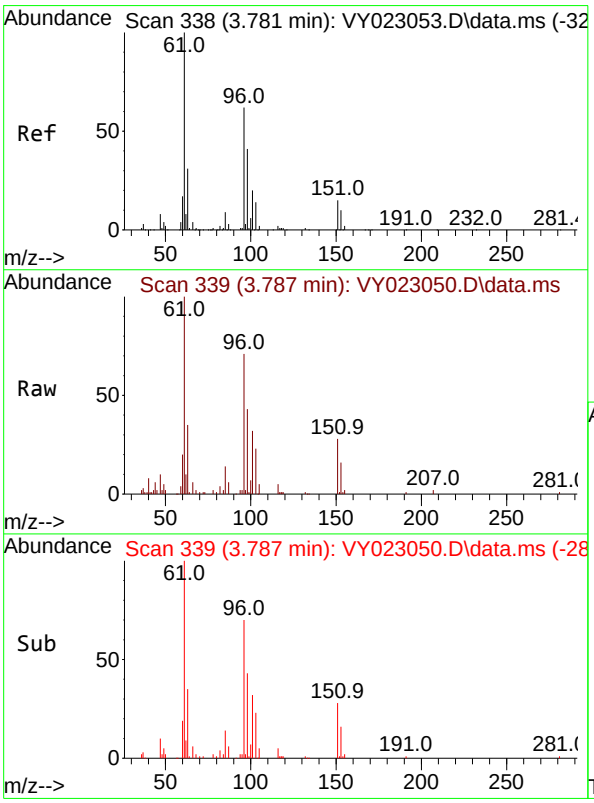
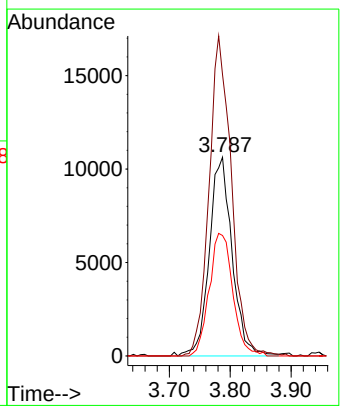
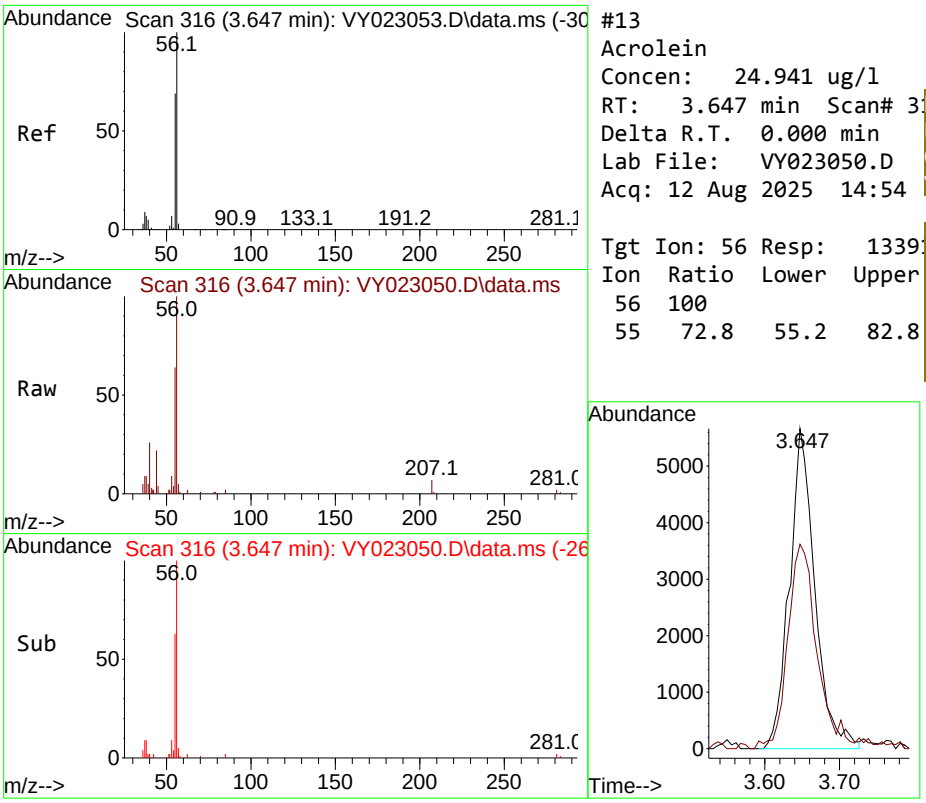


#12
1,1-Dichloroethene
Concen: 5.108 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 96 Resp: 27635

Ion	Ratio	Lower	Upper
96	100		
61	141.6	129.4	194.2
98	60.6	52.8	79.2





#13
Acrolein
Concen: 24.941 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

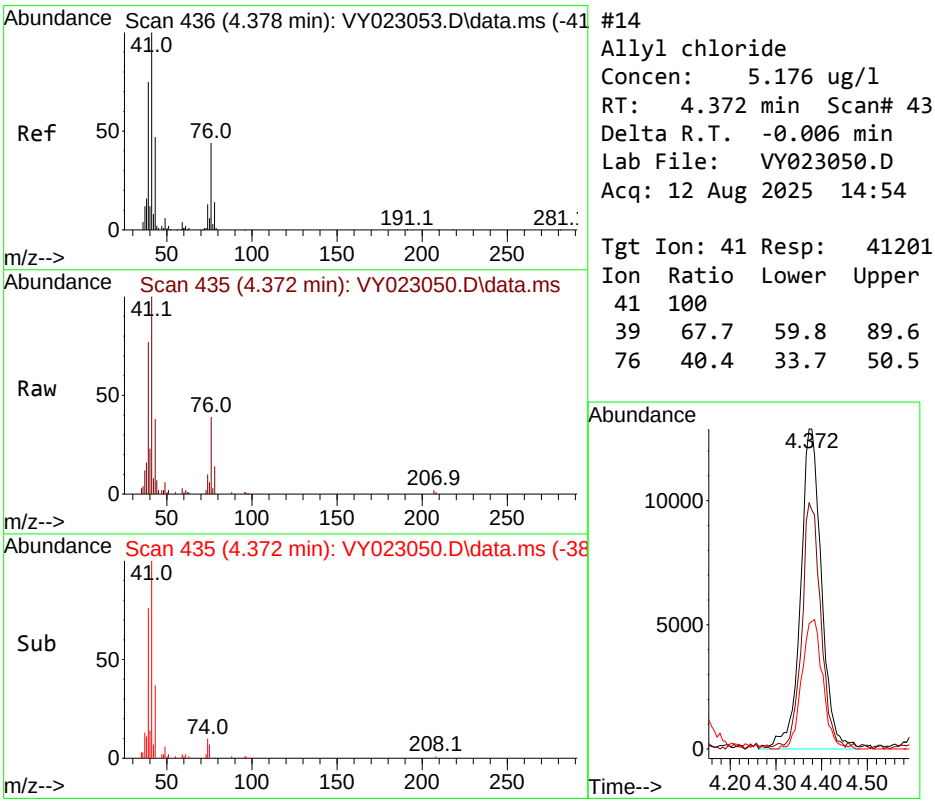
Tgt Ion: 56 Resp: 1339

Ion	Ratio	Lower	Upper
56	100		
55	72.8	55.2	82.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

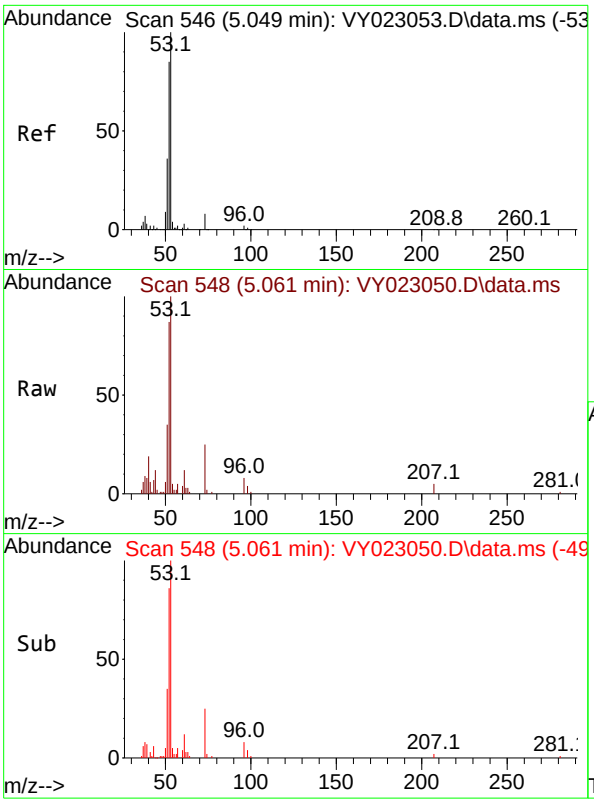
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#14
Allyl chloride
Concen: 5.176 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 41201

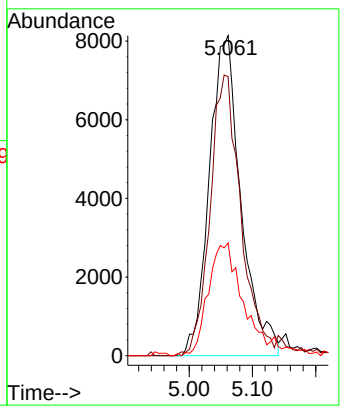
Ion	Ratio	Lower	Upper
41	100		
39	67.7	59.8	89.6
76	40.4	33.7	50.5



#15
Acrylonitrile
Concen: 23.547 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 53 Resp: 2825

Ion	Ratio	Lower	Upper
53	100		
52	84.9	65.3	97.9
51	40.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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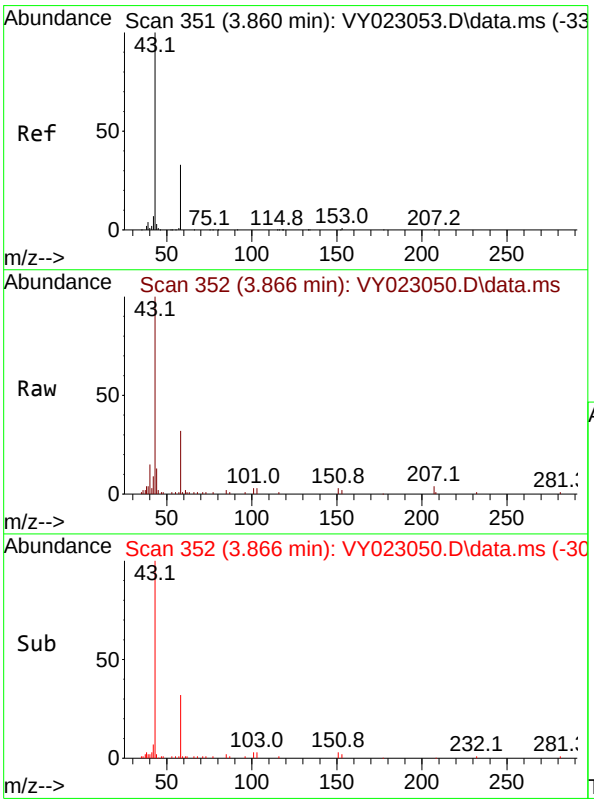
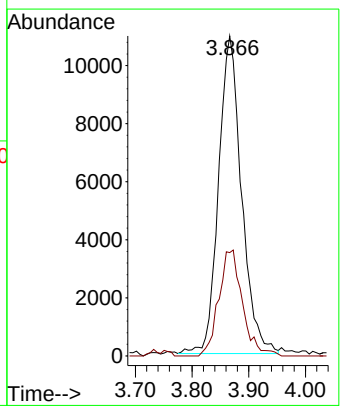
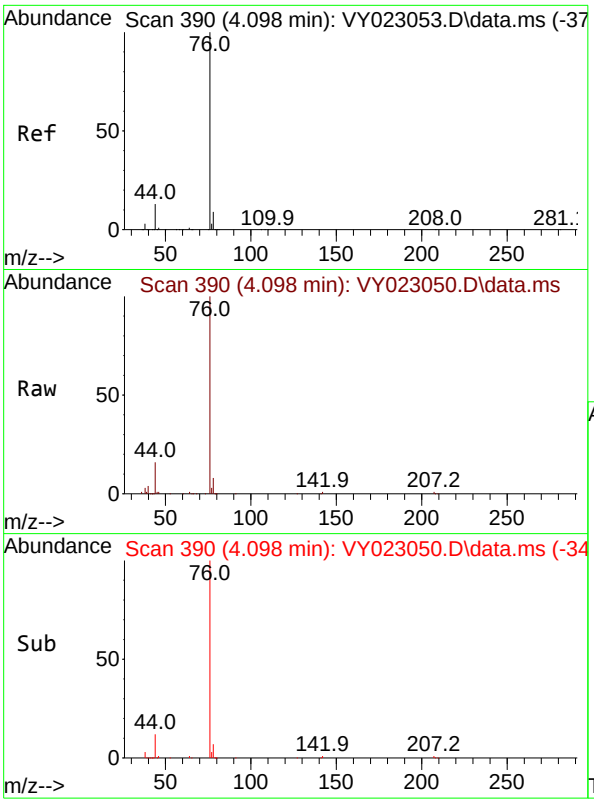


#16
Acetone
Concen: 26.574 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 30803

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.1	40.7





#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 76 Resp: 9296

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.4	11.2

Instrument :
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ClientSampleId :
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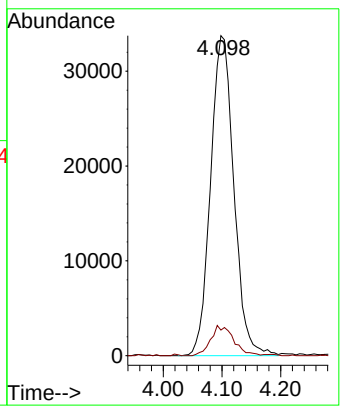
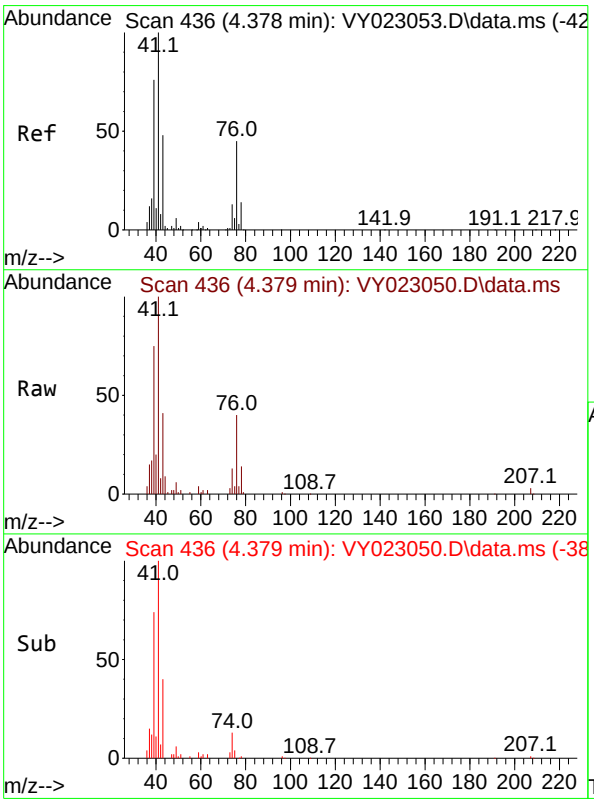
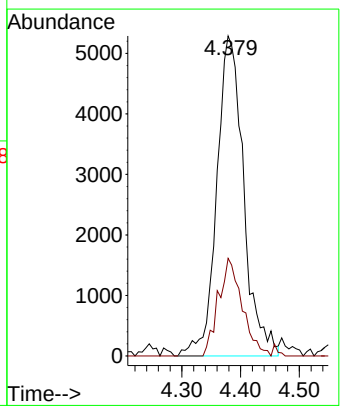


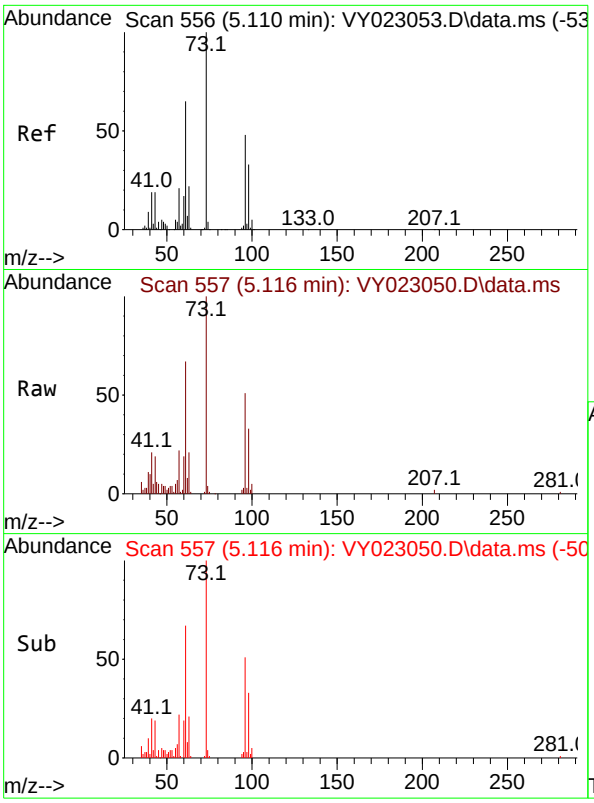


#18
Methyl Acetate
Concen: 4.872 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 16806

Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.2	31.8

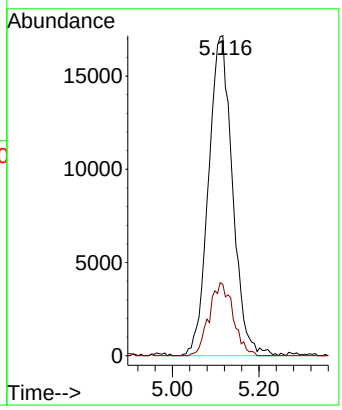




#19
Methyl tert-butyl Ether
Concen: 4.730 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 73 Resp: 6630

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.1	25.7



Instrument :
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ClientSampleId :
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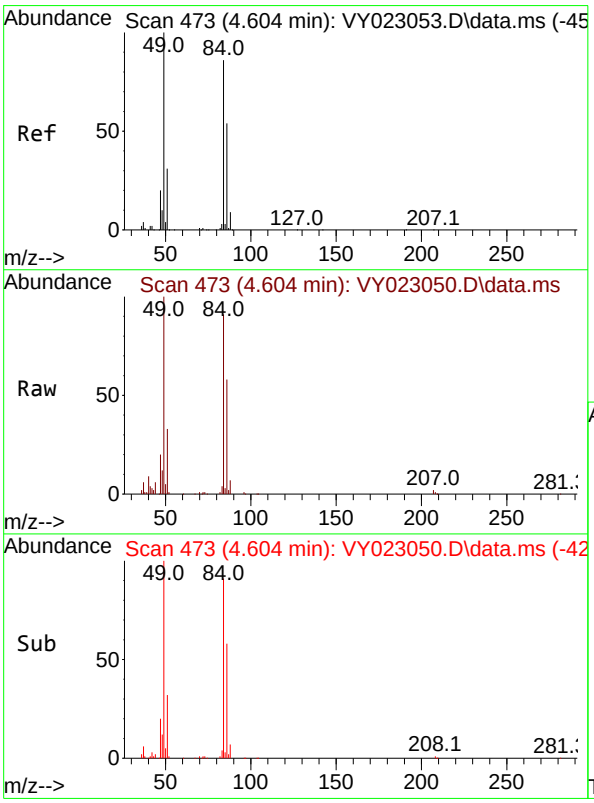
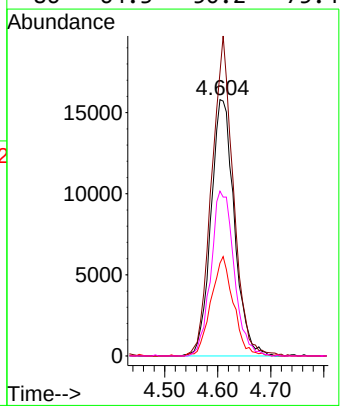
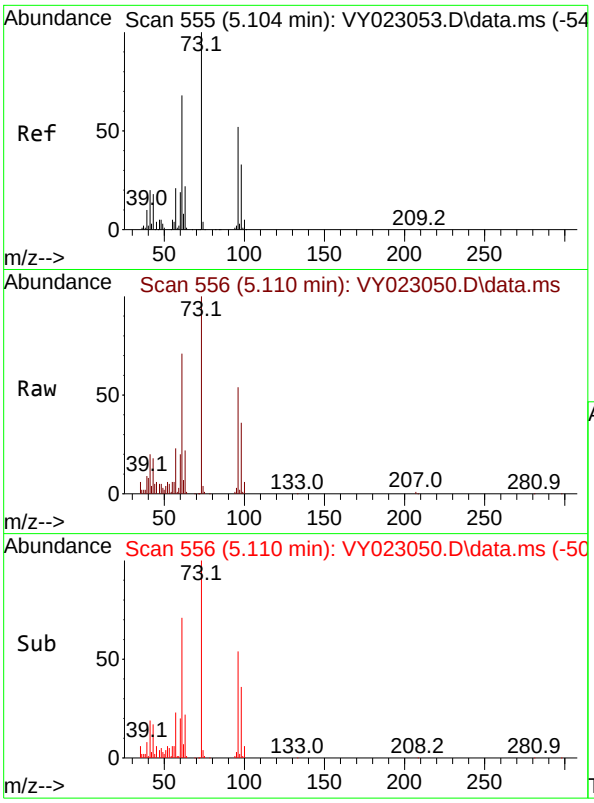


#20
Methylene Chloride
Concen: 5.657 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 84 Resp: 48322

Ion	Ratio	Lower	Upper
84	100		
49	110.5	93.0	139.6
51	36.2	29.0	43.4
86	64.3	50.2	75.4

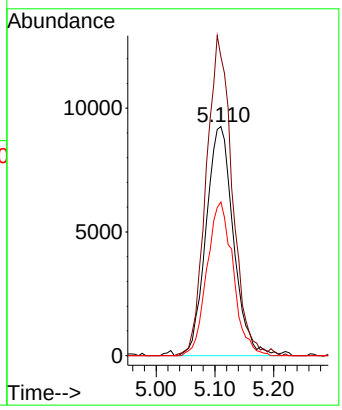




#21
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 96 Resp: 3002

Ion	Ratio	Lower	Upper
96	100		
61	129.7	104.8	157.2
98	67.2	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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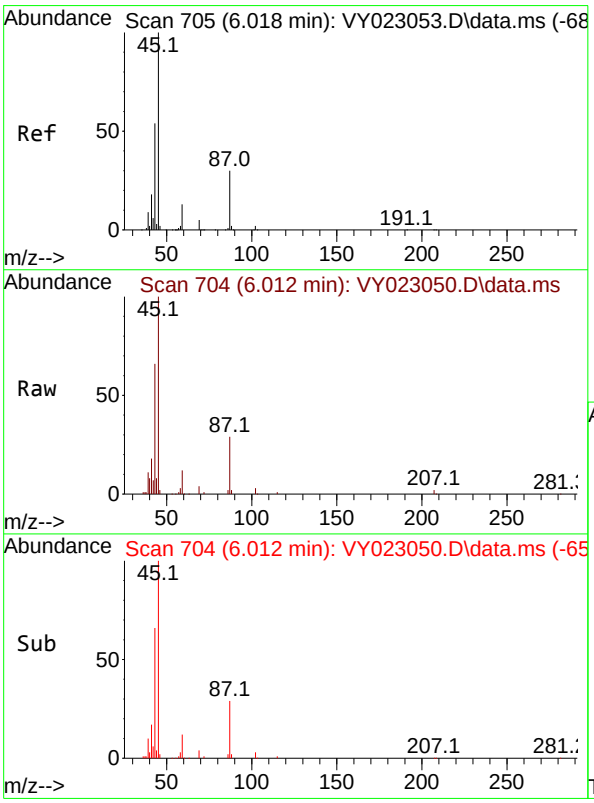
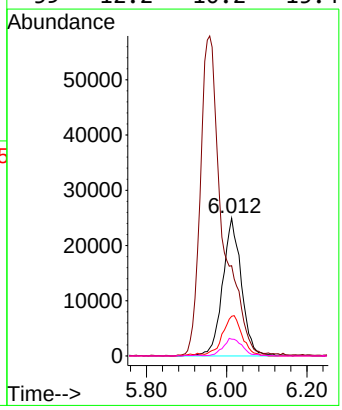
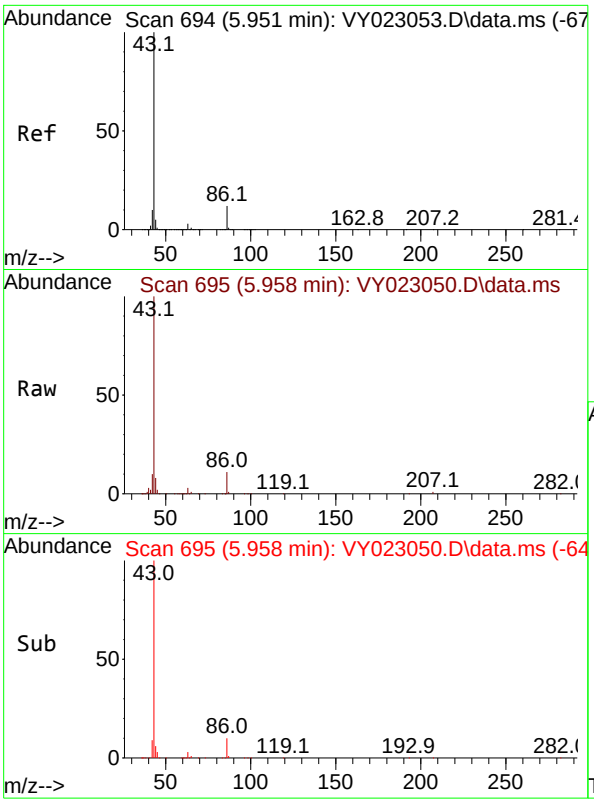


#22
Diisopropyl ether
Concen: 4.679 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 45 Resp: 80938

Ion	Ratio	Lower	Upper
45	100		
43	64.9	43.4	65.0
87	28.9	24.4	36.6
59	12.2	10.2	15.4





#23
Vinyl Acetate
Concen: 23.196 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 22186

Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.6	14.4

Instrument :
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ClientSampleId :
VSTDICC005

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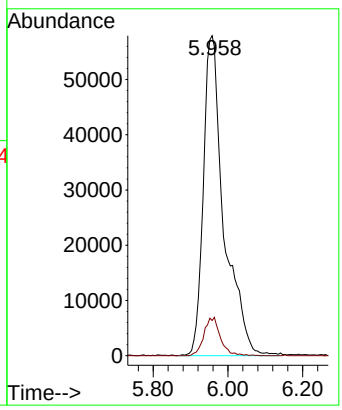
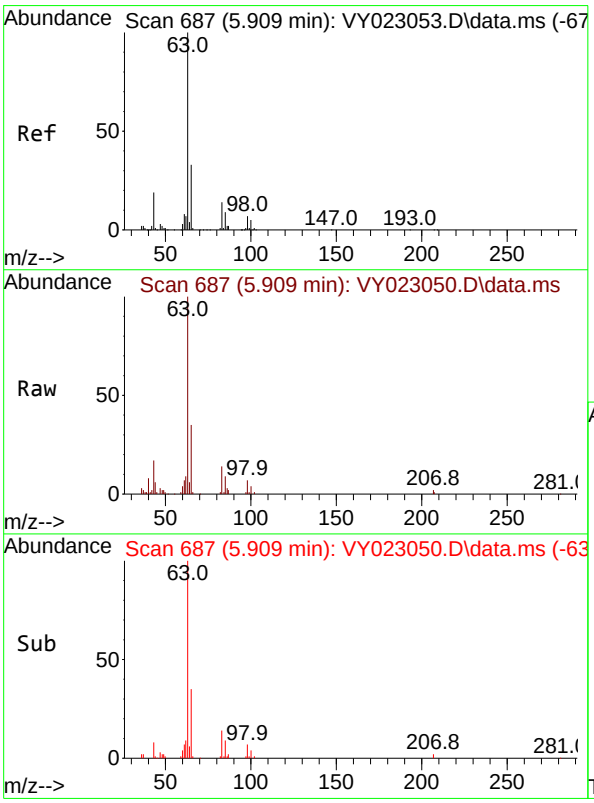
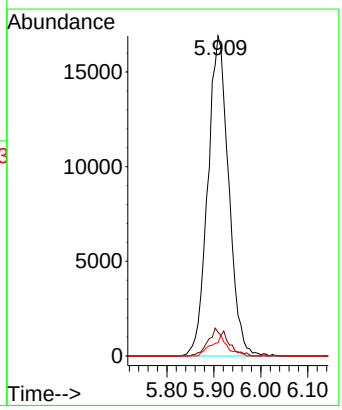


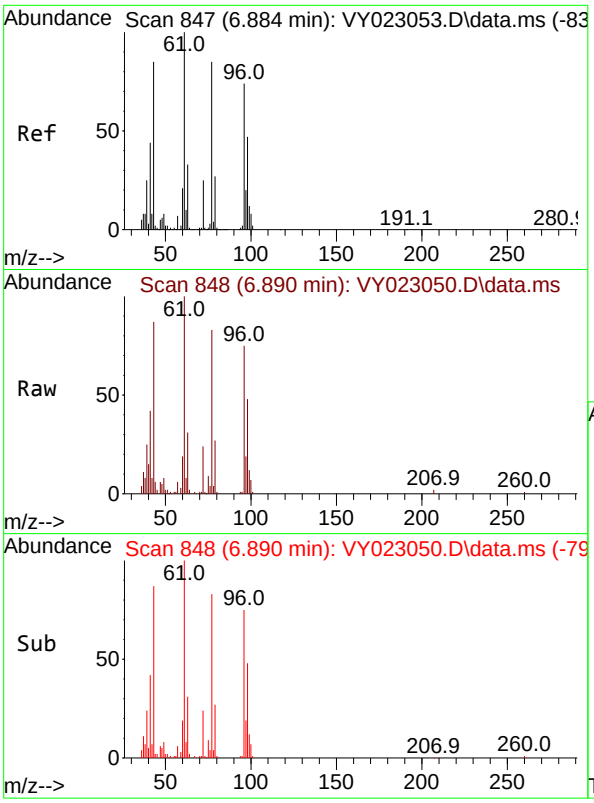


#24
1,1-Dichloroethane
Concen: 4.931 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 52152

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.1	2.4	7.1





#25
2-Butanone
Concen: 23.991 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 3782

Ion	Ratio	Lower	Upper
43	100		
72	28.0	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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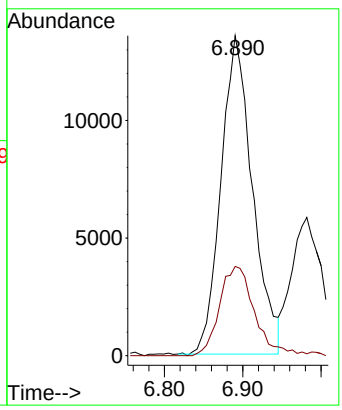
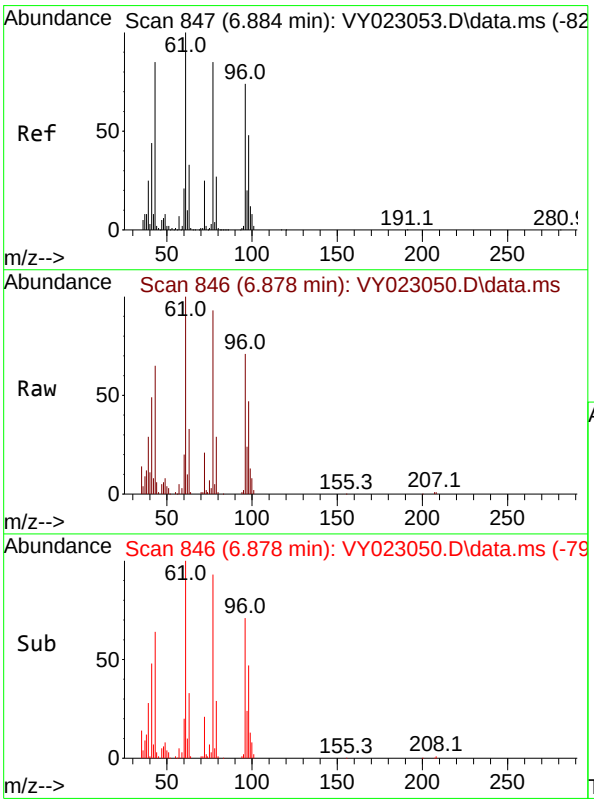
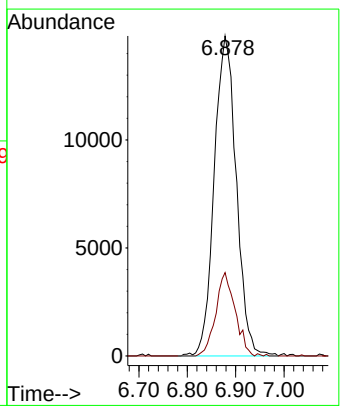


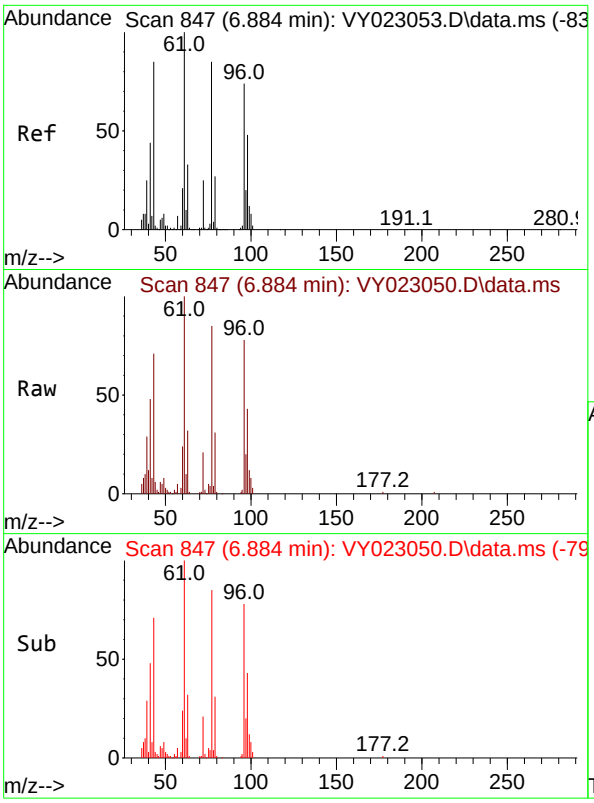


#26
2,2-Dichloropropane
Concen: 5.147 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 77 Resp: 46964

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 4.962 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 96 Resp: 3487

Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	278.6
98	61.4	0.0	130.4

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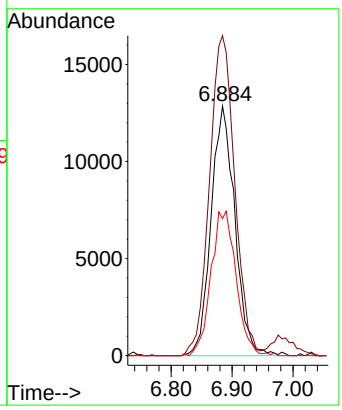
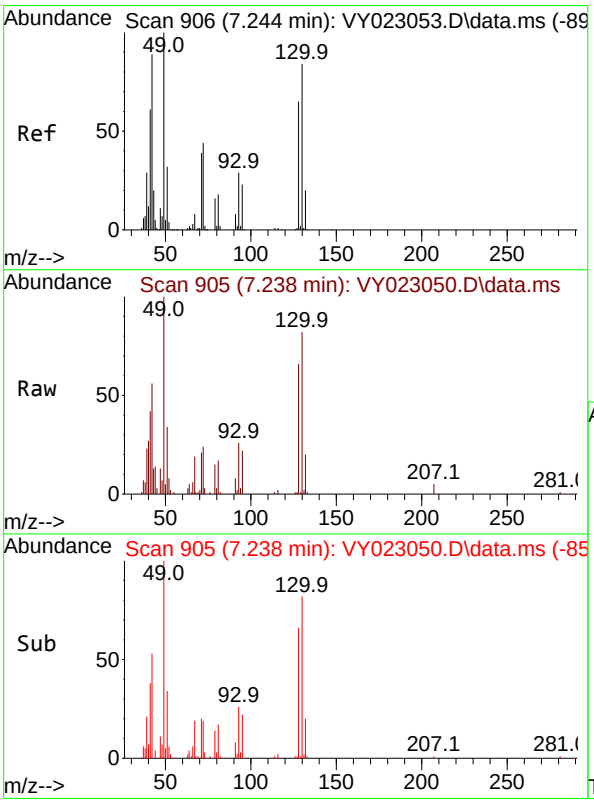
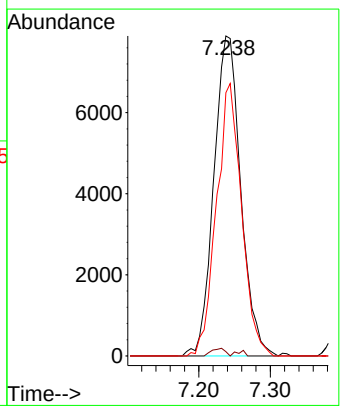


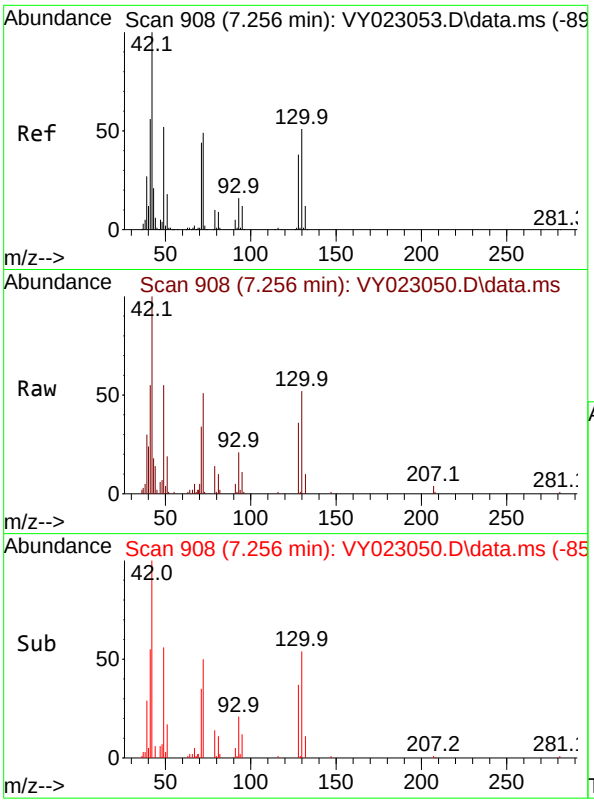


#28
Bromochloromethane
Concen: 4.913 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 49 Resp: 20615

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	79.7	66.4	99.6

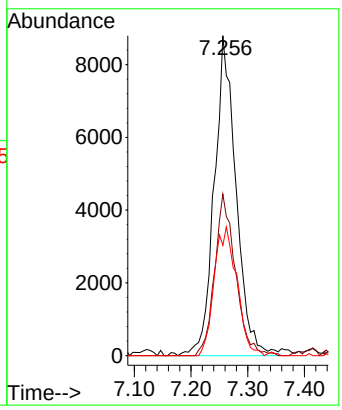




#29
Tetrahydrofuran
Concen: 24.035 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 42 Resp: 2348

Ion	Ratio	Lower	Upper
42	100		
72	48.1	39.4	59.2
71	41.8	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
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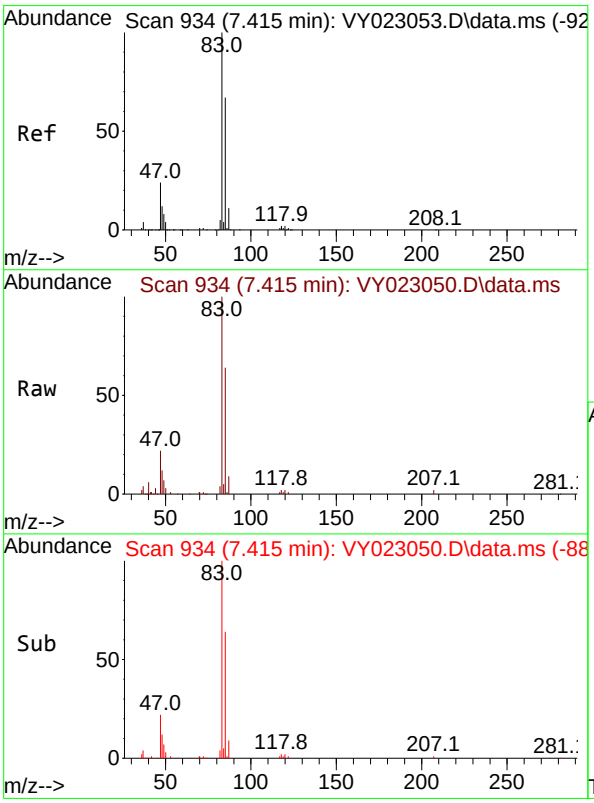
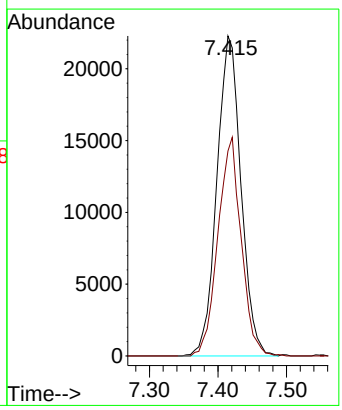
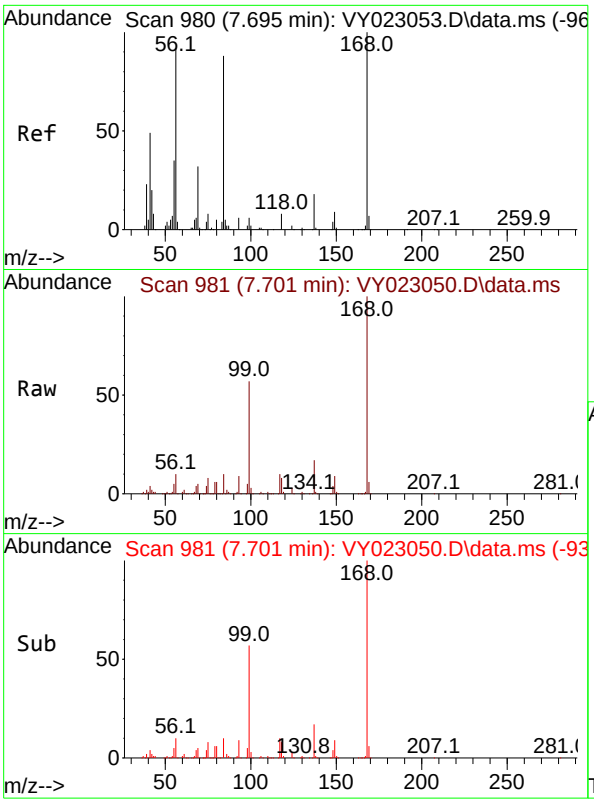


#30
Chloroform
Concen: 4.987 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 83 Resp: 54392

Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.8	80.8





#31
Cyclohexane
Concen: 5.856 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 56 Resp: 5836

Ion	Ratio	Lower	Upper
56	100		
69	55.3	28.2	42.2
84	105.9	76.6	114.8

Instrument :
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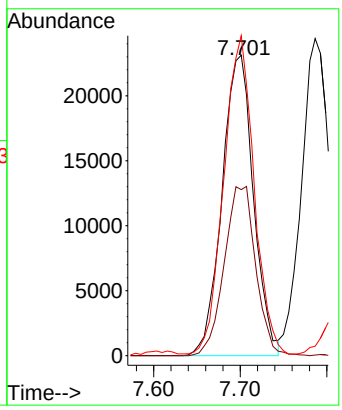
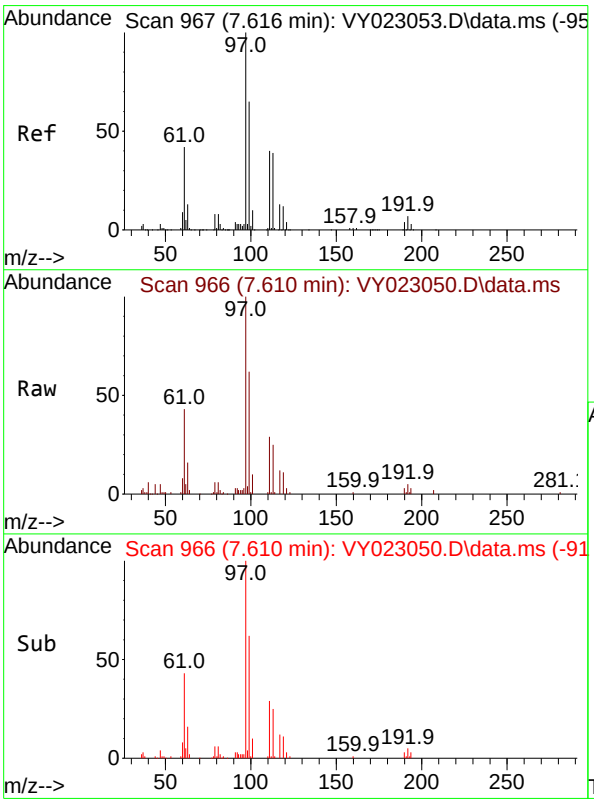
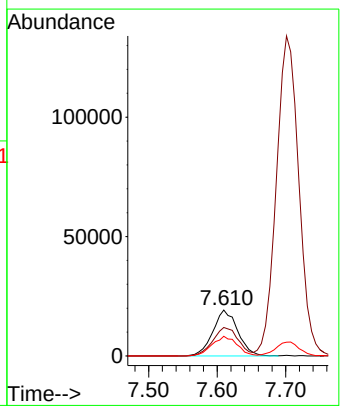


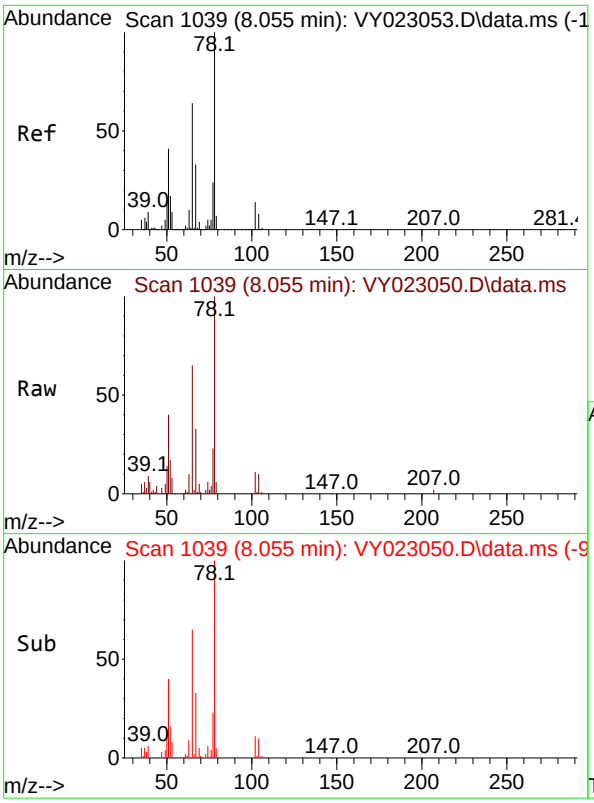


#32
1,1,1-Trichloroethane
Concen: 5.003 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 97 Resp: 48413

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	43.4	34.2	51.2

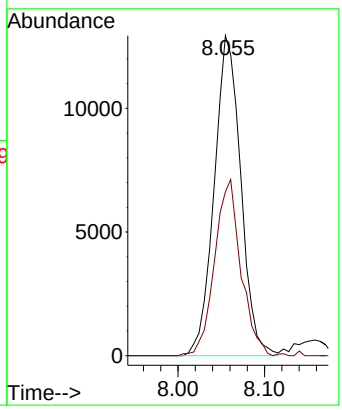




#33
1,2-Dichloroethane-d4
Concen: 5.152 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 65 Resp: 2756

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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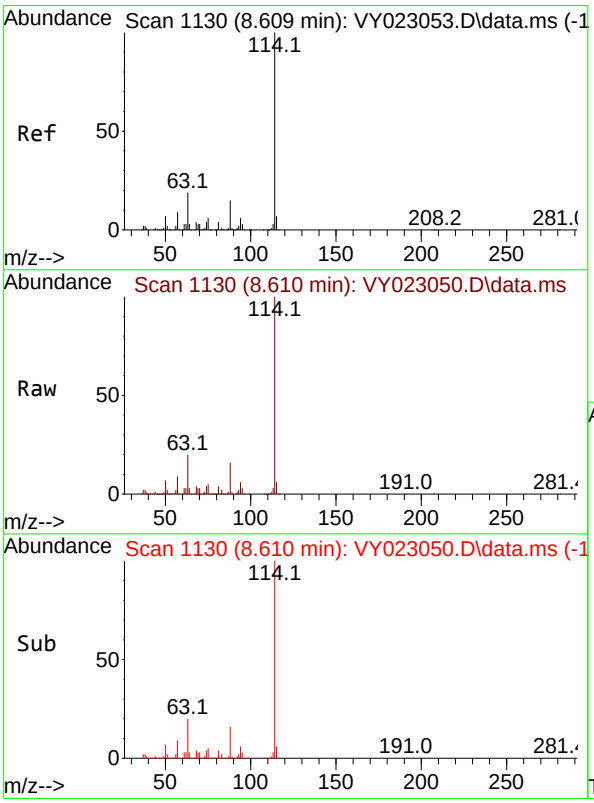
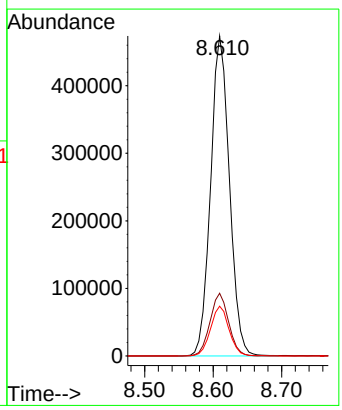
Supervised By :Semsettin Yesilyurt 08/14/2025

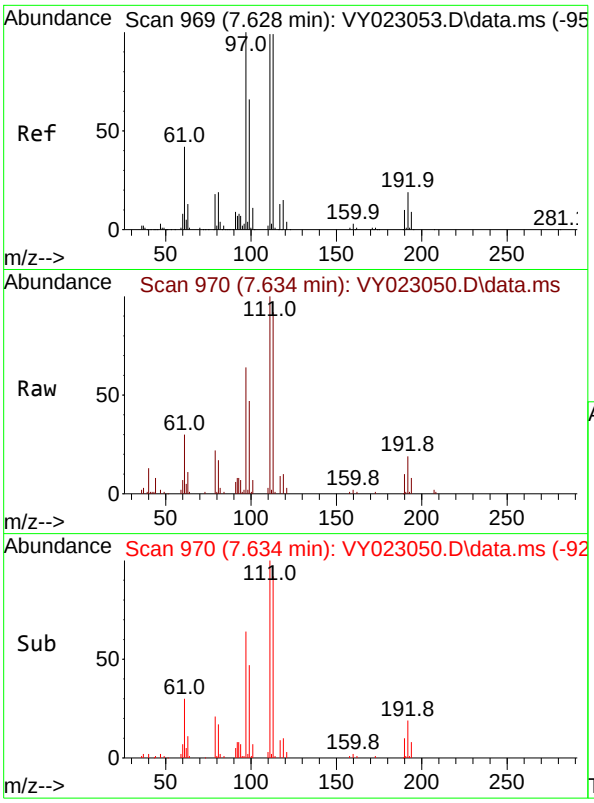


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:114 Resp: 904866

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	15.5	0.0	30.0

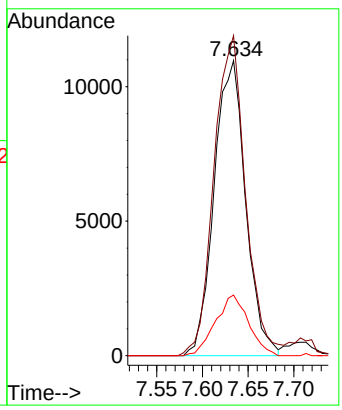




#35
Dibromofluoromethane
Concen: 4.851 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:113 Resp: 2626

Ion	Ratio	Lower	Upper
113	100		
111	108.8	81.1	121.7
192	21.6	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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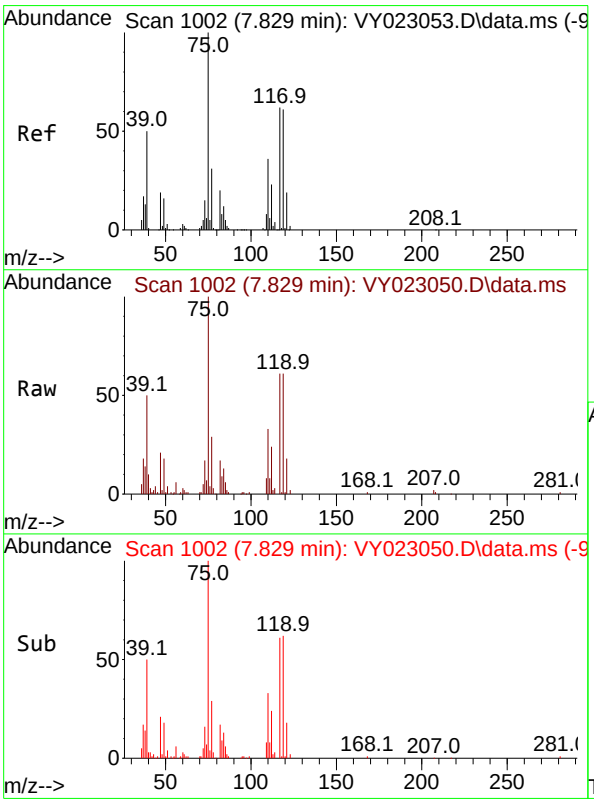
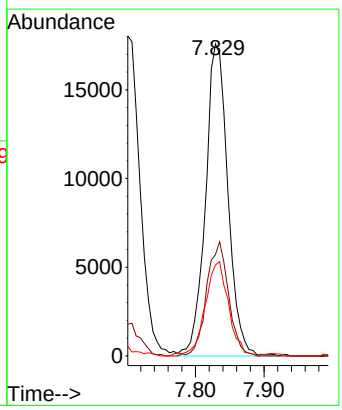
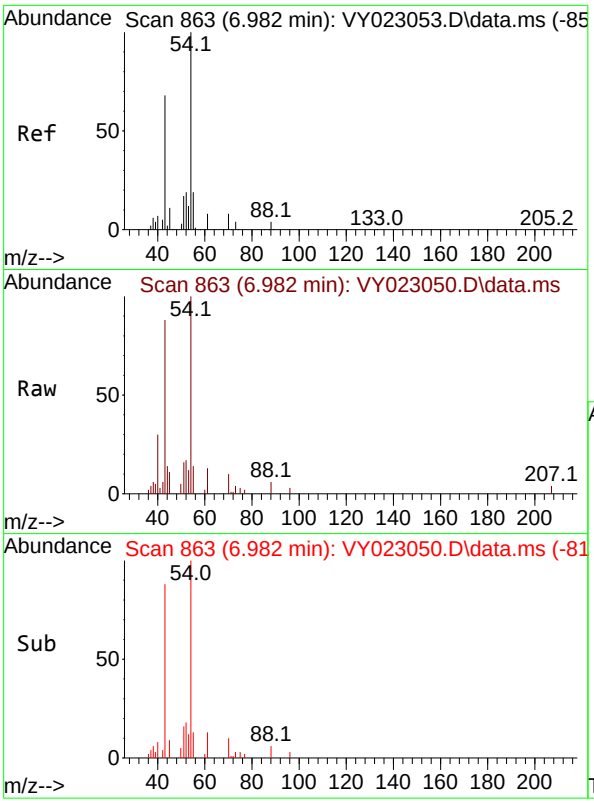


#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 39978

Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.4
77	31.4	24.6	37.0





#37
Ethyl Acetate
Concen: 4.461 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 1508

Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.9	17.9#
70	11.6	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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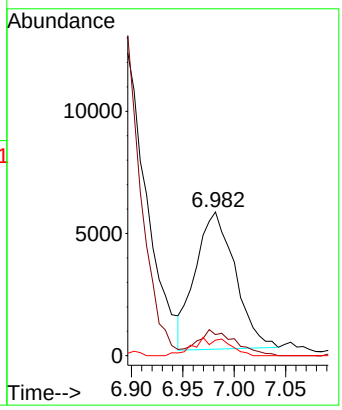
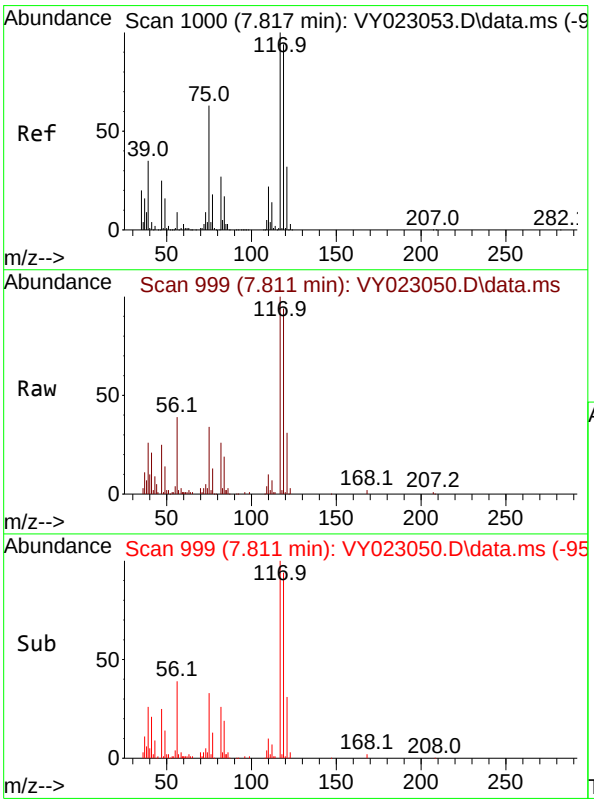
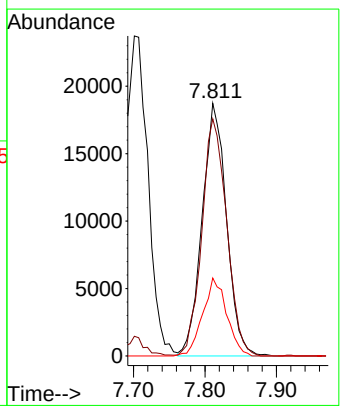


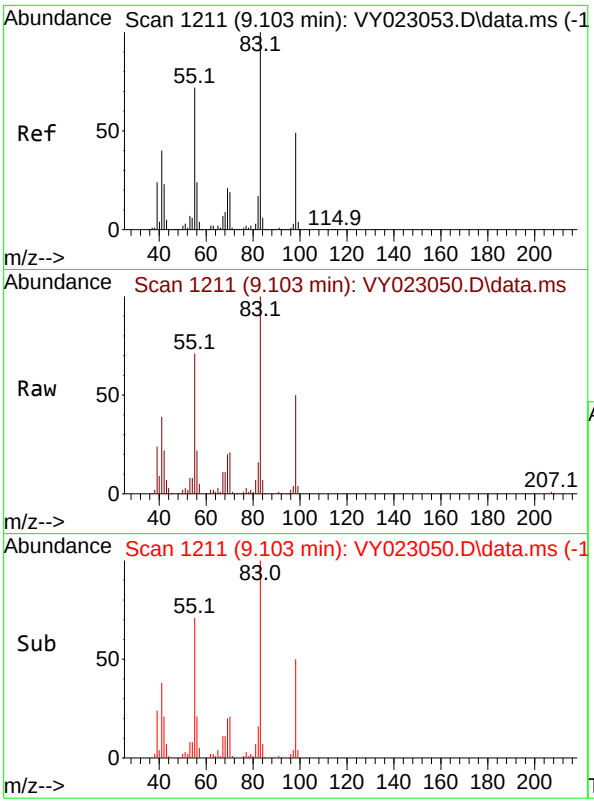


#38
Carbon Tetrachloride
Concen: 5.076 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:117 Resp: 44360

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.6	113.4
121	30.8	25.8	38.8





#39
Methylcyclohexane
Concen: 4.901 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 83 Resp: 5193

Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.6	86.4
98	50.2	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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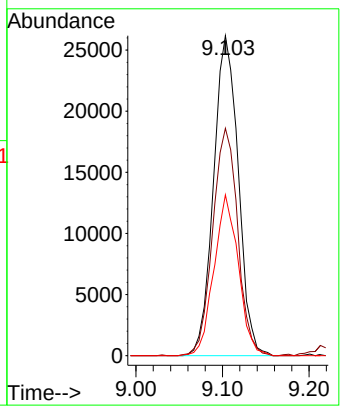
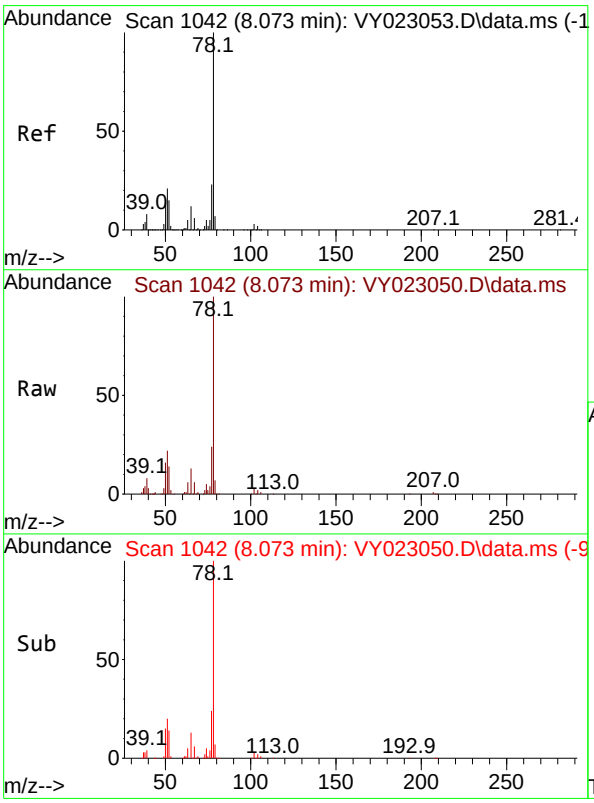
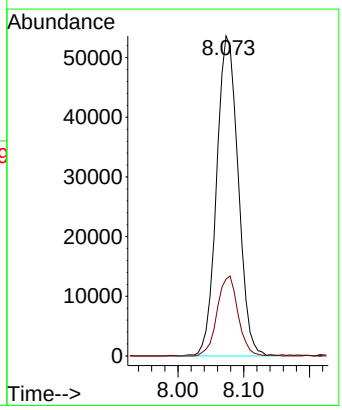


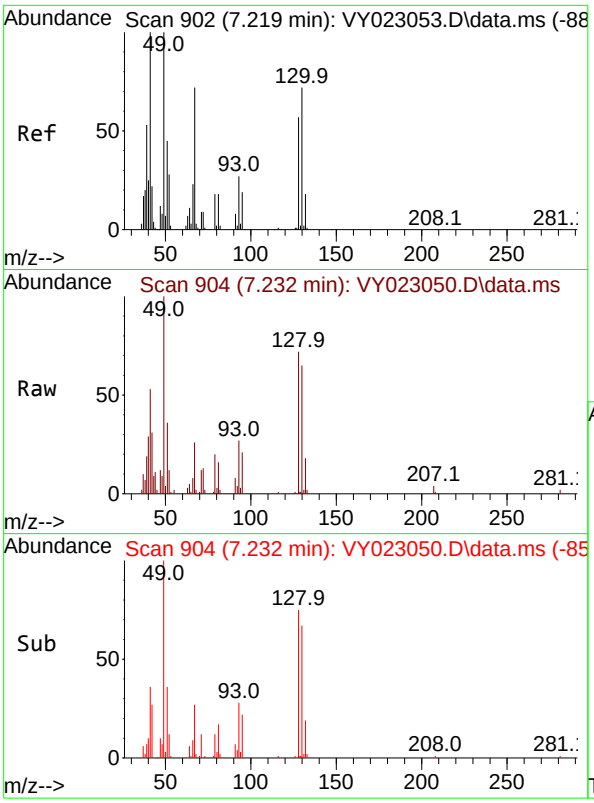


#40
Benzene
Concen: 4.939 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 78 Resp: 122482

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0

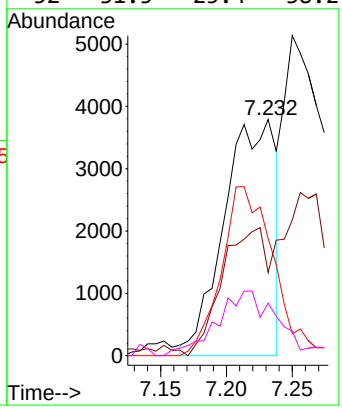




#41
Methacrylonitrile
Concen: 5.247 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 1024

Ion	Ratio	Lower	Upper
41	100		
39	47.1	43.4	65.2
67	72.4	63.6	95.4
52	31.5	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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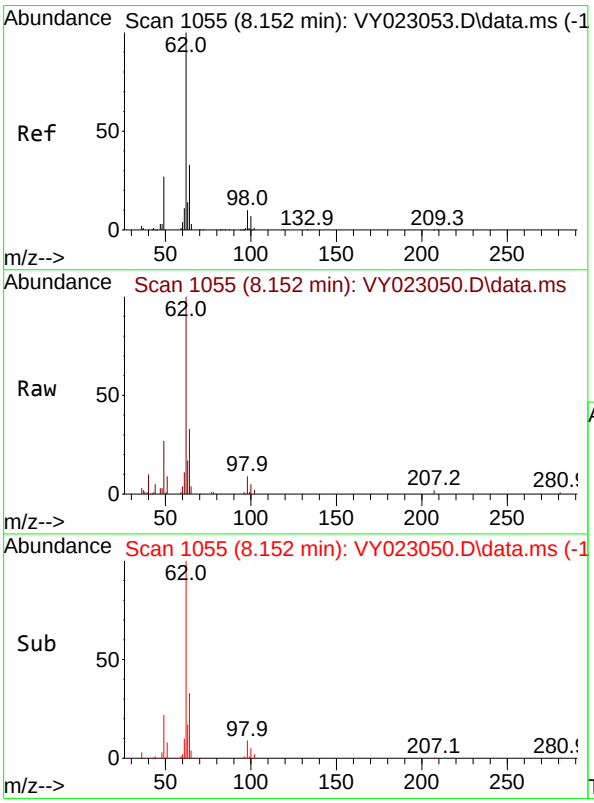
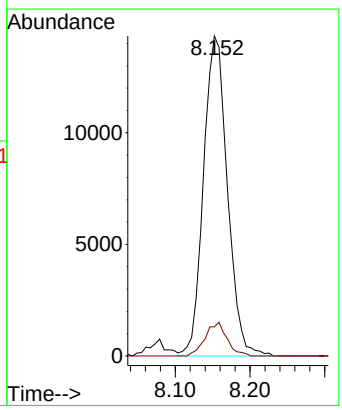
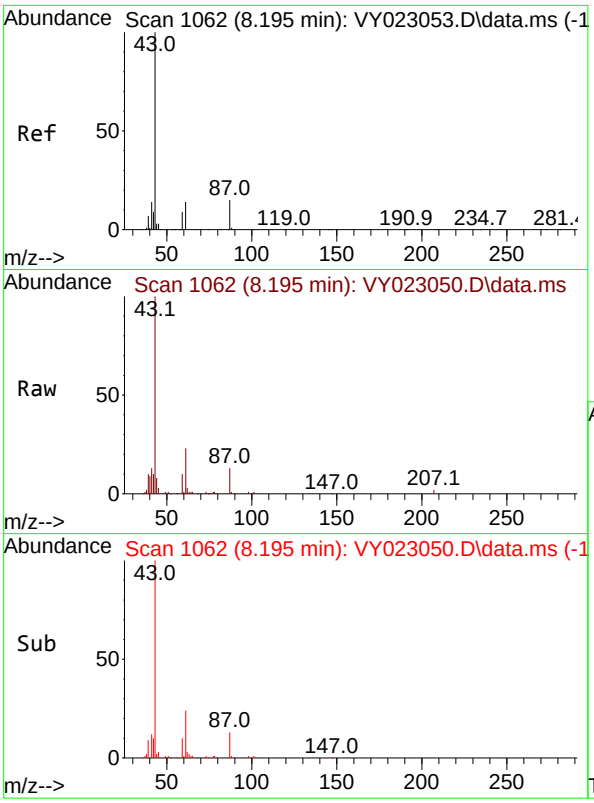


#42
1,2-Dichloroethane
Concen: 4.946 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 31902

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.6





#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 3189

Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	14.4	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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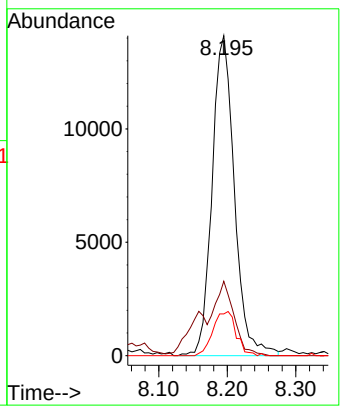
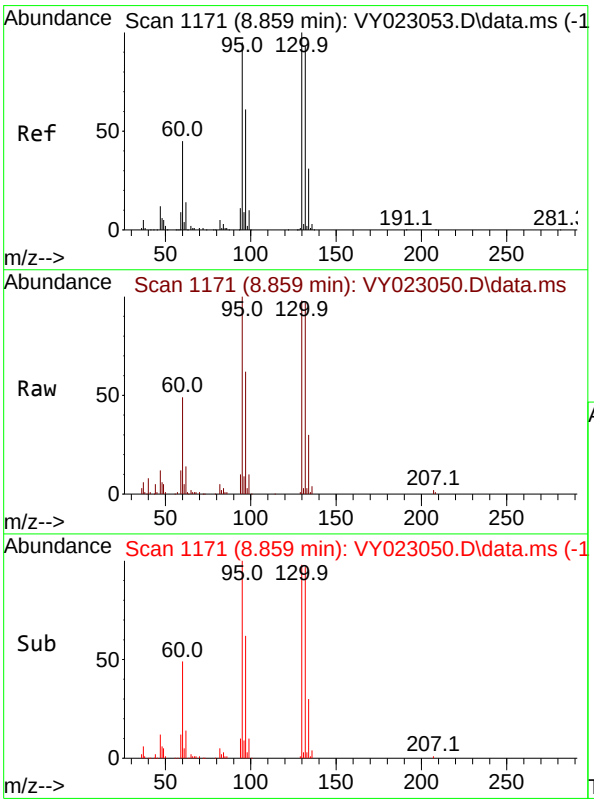
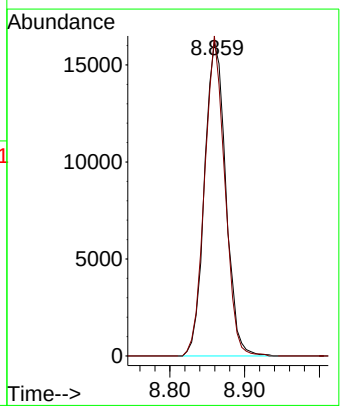


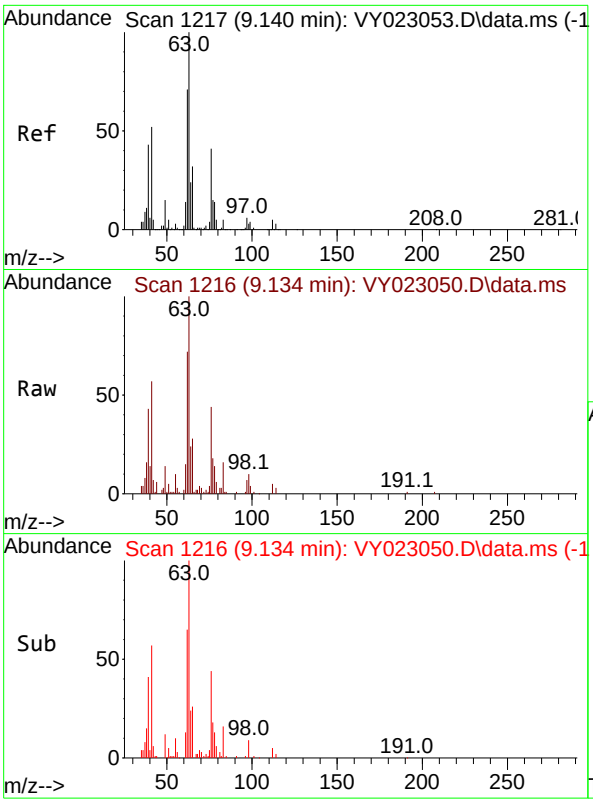


#44
Trichloroethene
Concen: 5.001 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:130 Resp: 32050

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	190.2





#45
1,2-Dichloropropane
Concen: 4.805 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 2741

Ion	Ratio	Lower	Upper
63	100		
65	27.7	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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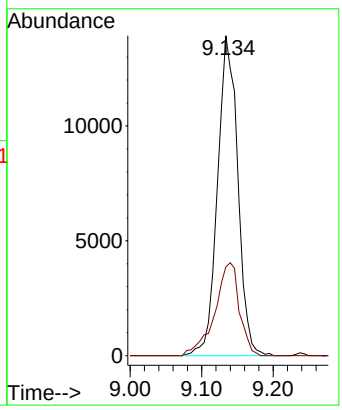
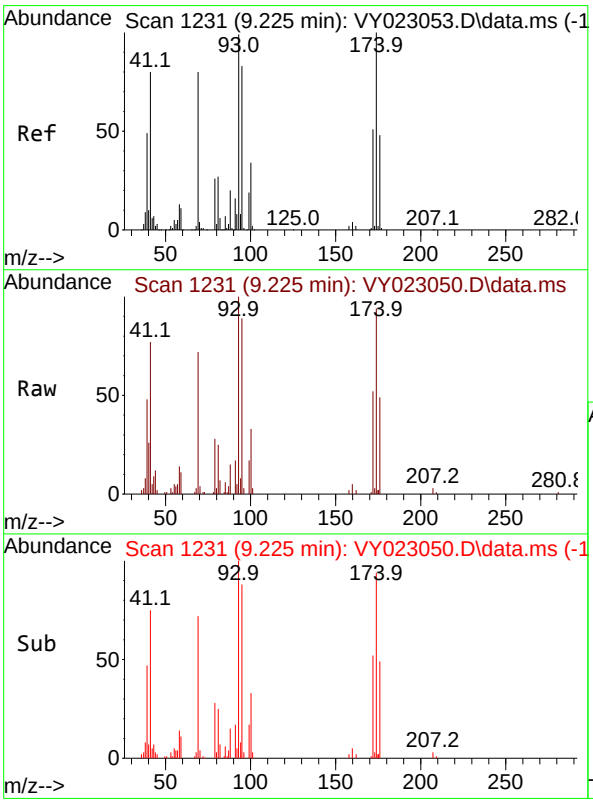
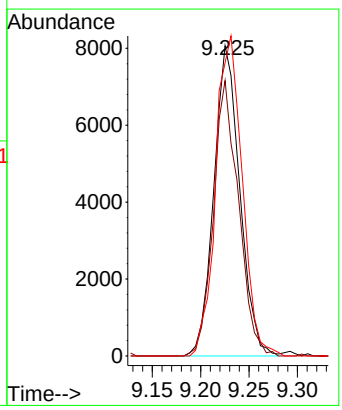


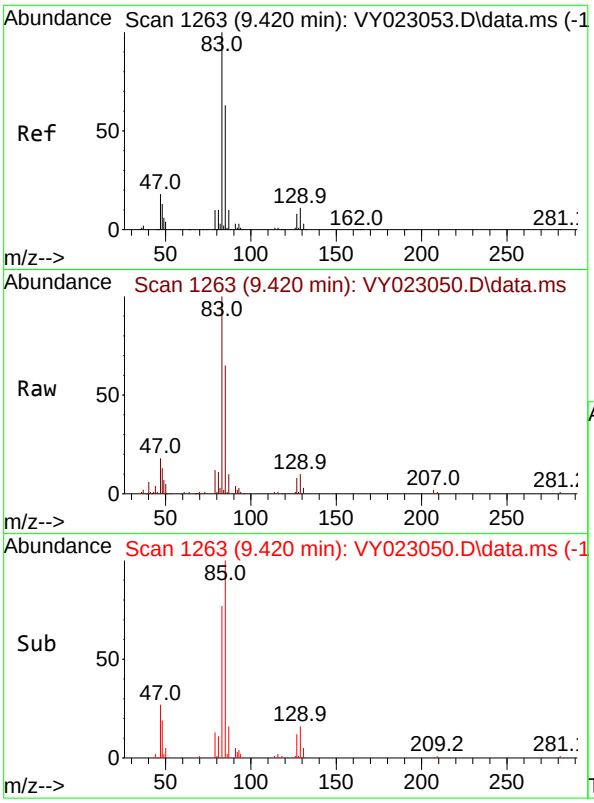


#46
Dibromomethane
Concen: 4.590 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 93 Resp: 15033

Ion	Ratio	Lower	Upper
93	100		
95	86.0	66.5	99.7
174	106.0	81.8	122.8

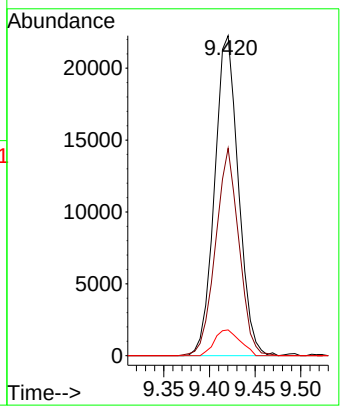




#47
Bromodichloromethane
Concen: 4.785 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 83 Resp: 4032

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.4
127	8.1	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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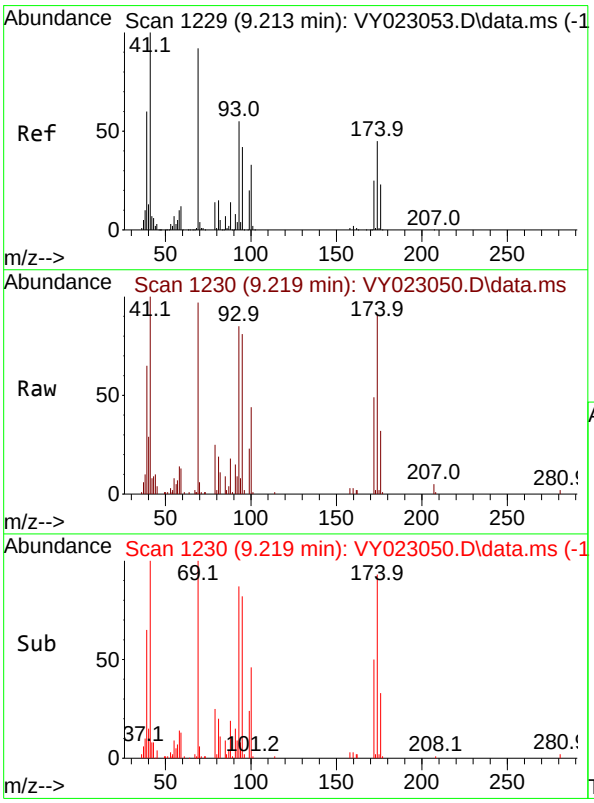
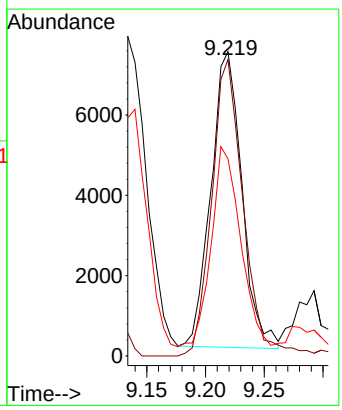
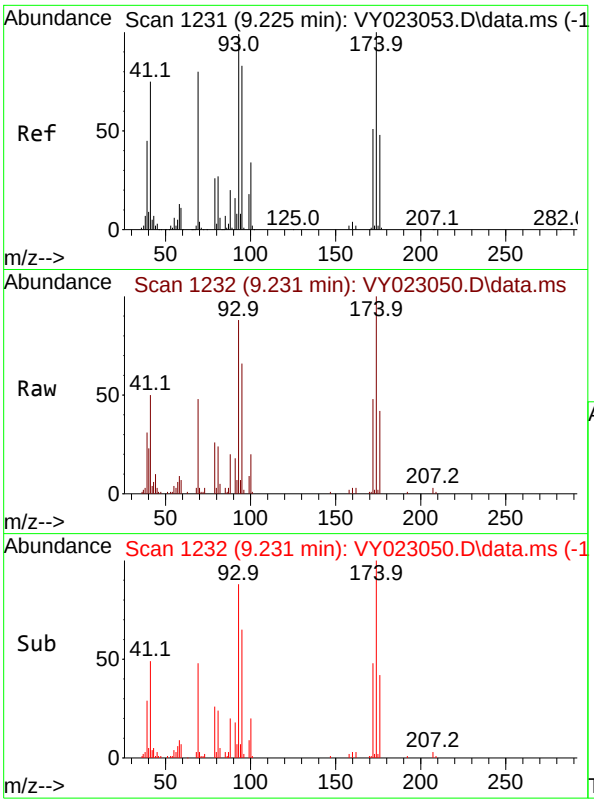


#48
Methyl methacrylate
Concen: 4.122 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 13477

Ion	Ratio	Lower	Upper
41	100		
69	102.1	73.2	109.8
39	65.2	47.0	70.4





#49
1,4-Dioxane
Concen: 89.939 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 88 Resp: 345

Ion	Ratio	Lower	Upper
88	100		
43	38.3	24.3	36.5
58	74.4	55.4	83.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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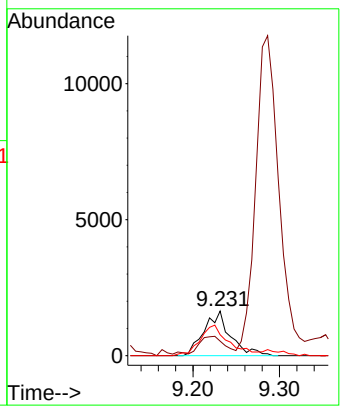
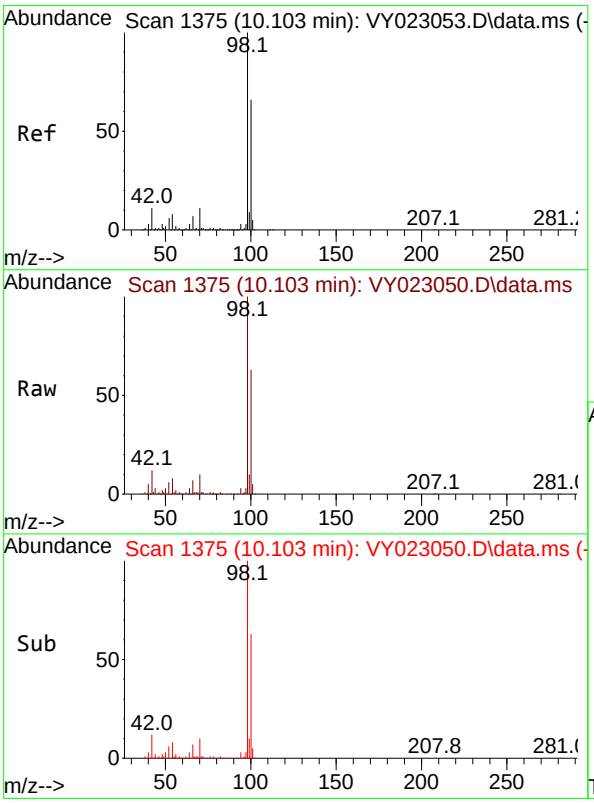
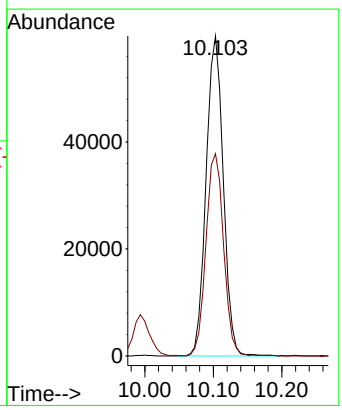


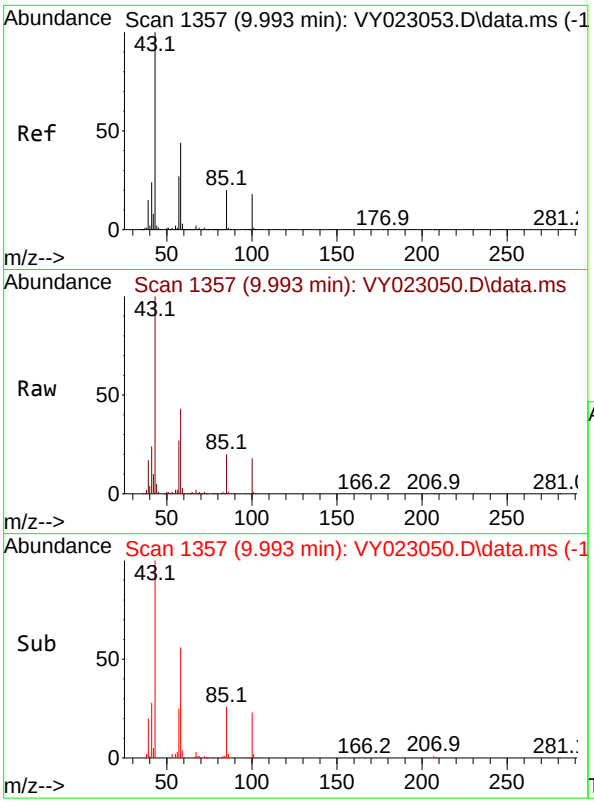


#50
Toluene-d8
Concen: 4.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 98 Resp: 104144

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

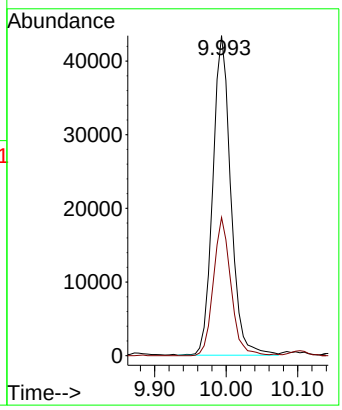




#51
4-Methyl-2-Pentanone
Concen: 21.535 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 7589

Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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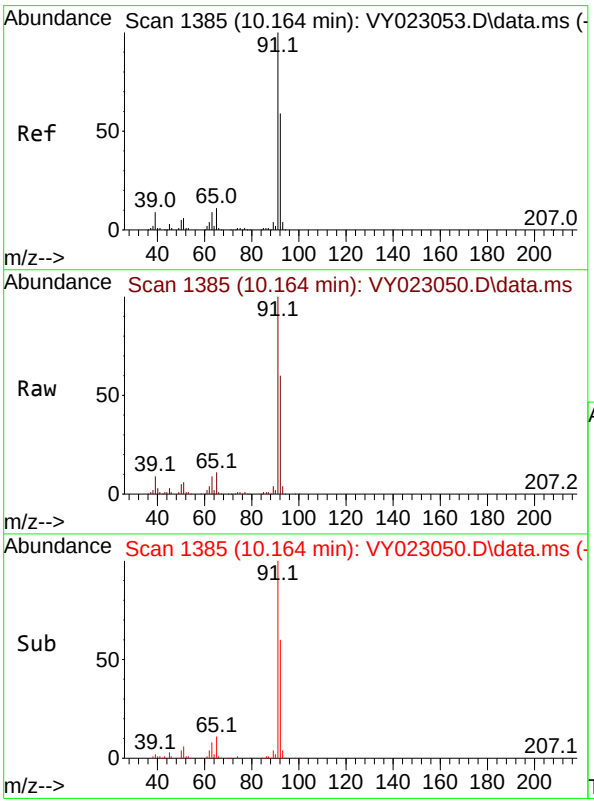
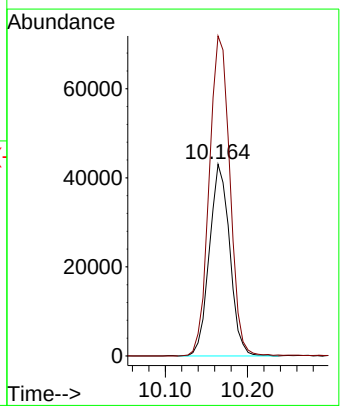
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

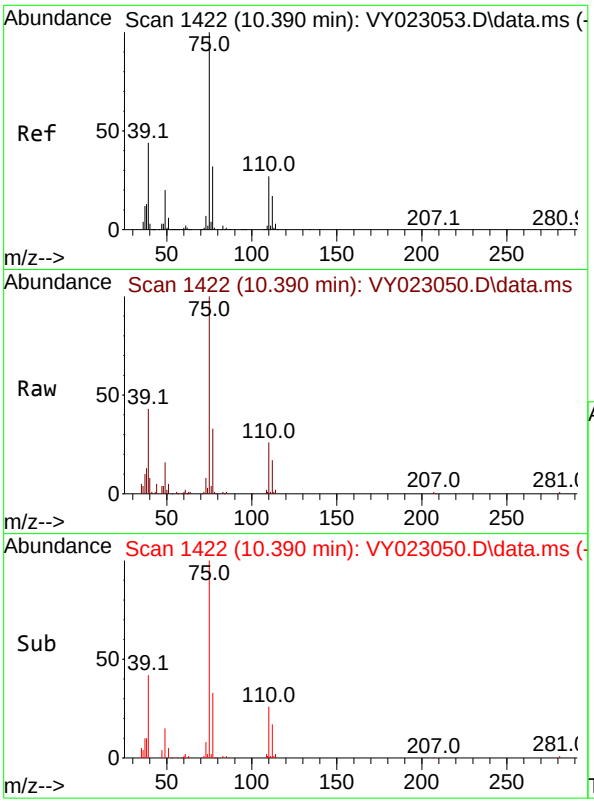


#52
Toluene
Concen: 4.692 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 92 Resp: 73910

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.4	204.6

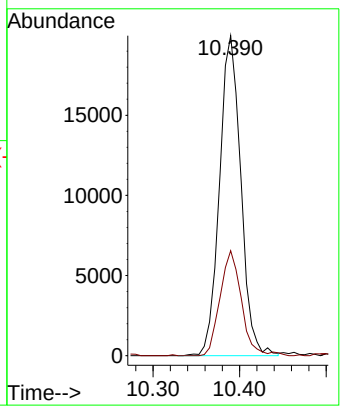




#53
t-1,3-Dichloropropene
Concen: 4.475 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 3415

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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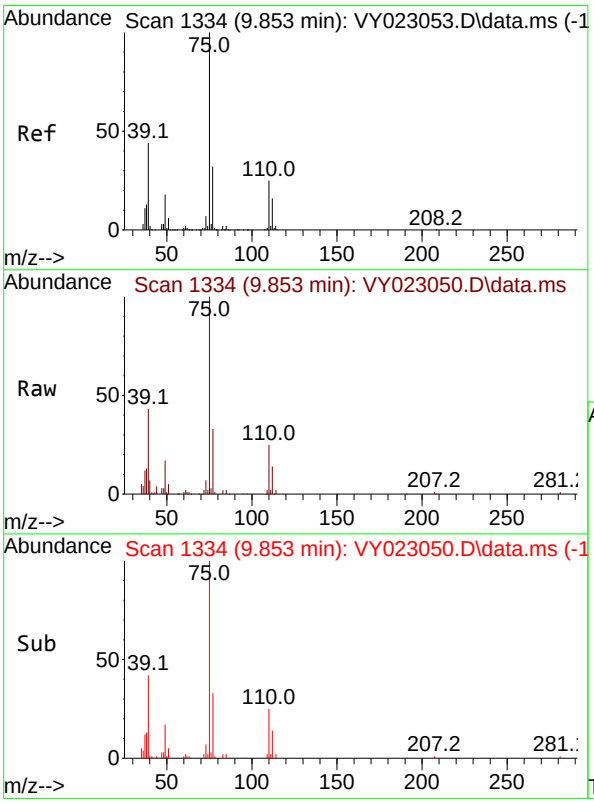
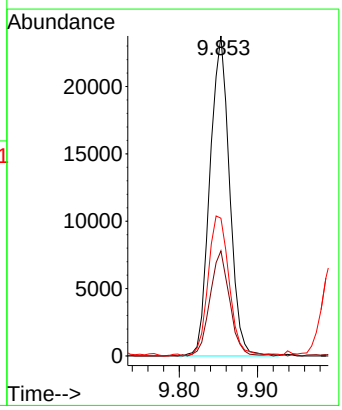
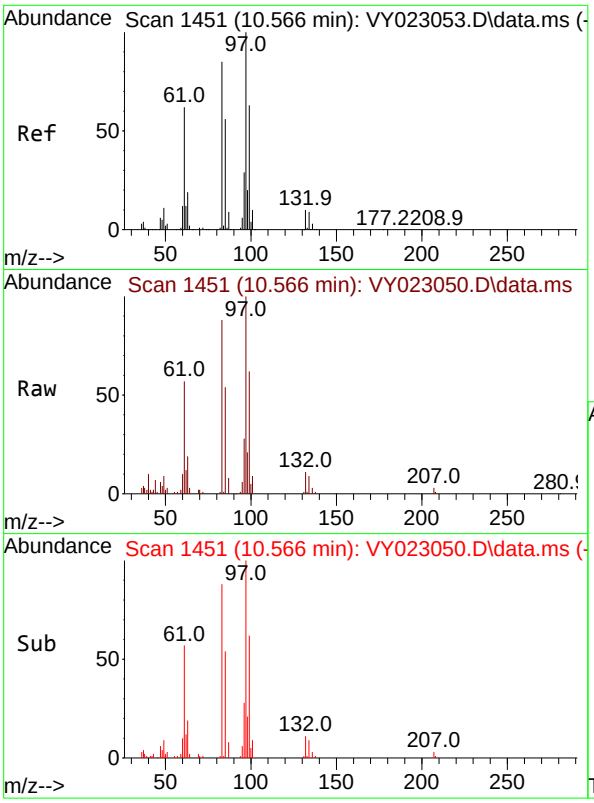


#54
cis-1,3-Dichloropropene
Concen: 4.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 41326

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	42.5	35.6	53.4

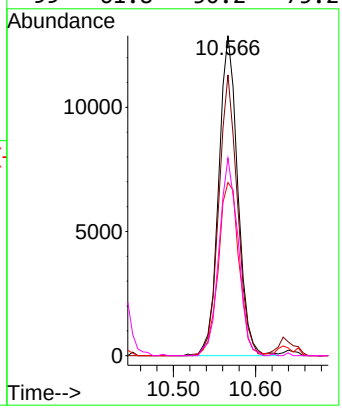




#55
1,1,2-Trichloroethane
Concen: 4.745 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 97 Resp: 2079

Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.7	101.5
85	54.1	44.5	66.7
99	61.8	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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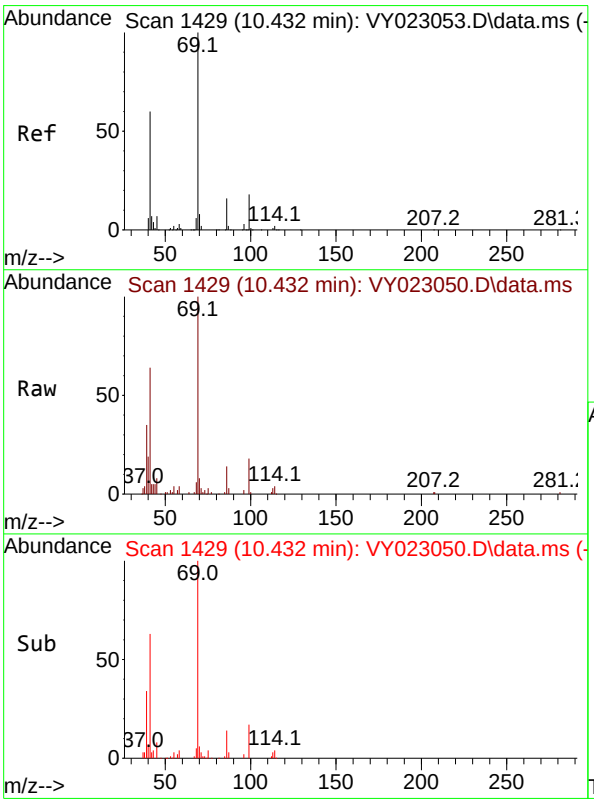
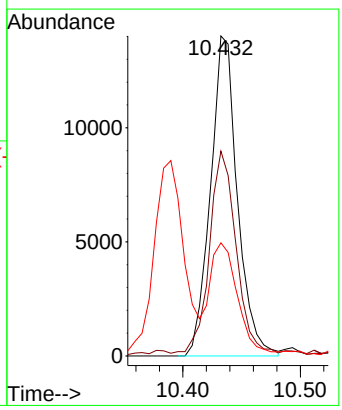
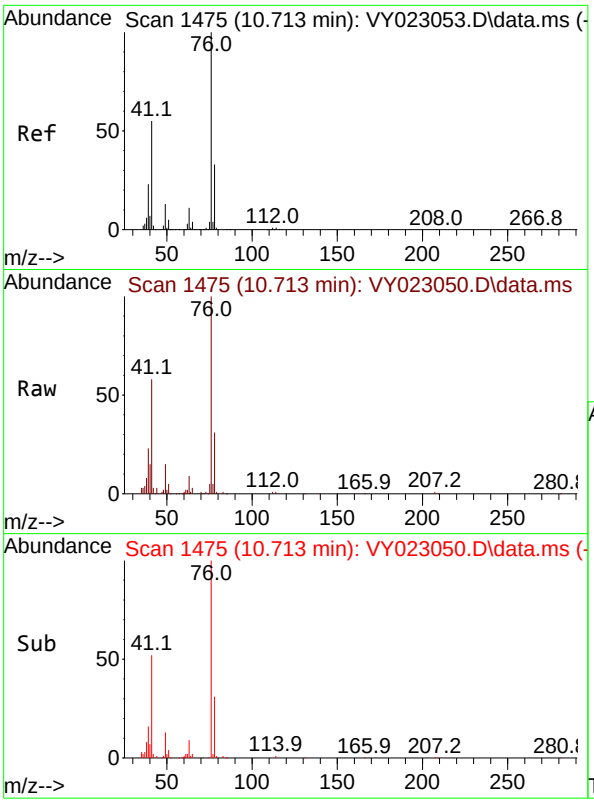


#56
Ethyl methacrylate
Concen: 3.990 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 69 Resp: 22376

Ion	Ratio	Lower	Upper
69	100		
41	61.6	48.6	72.8
39	34.3	27.0	40.4

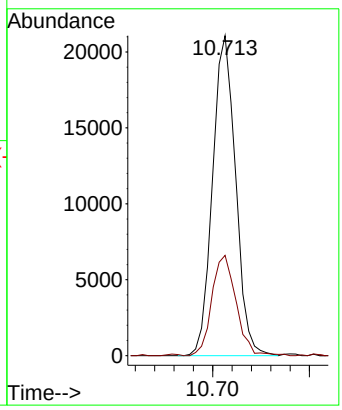




#57
1,3-Dichloropropane
Concen: 4.687 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 76 Resp: 3483

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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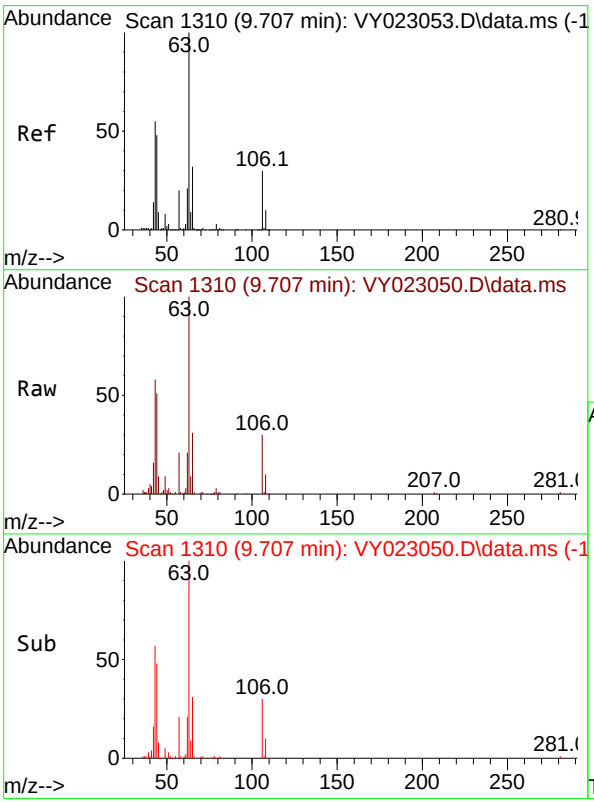
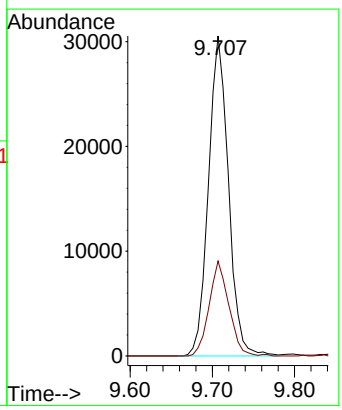
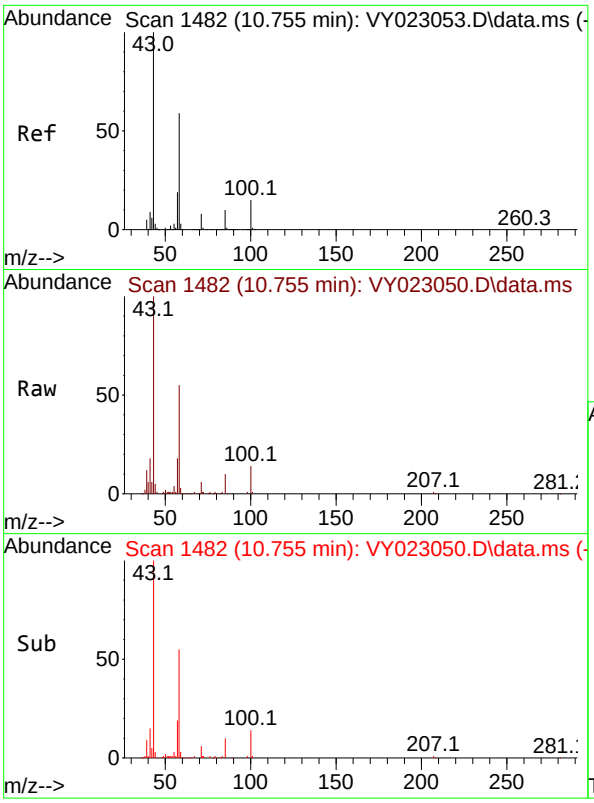


#58
2-Chloroethyl Vinyl ether
Concen: 19.500 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 51585

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.2	34.8





#59
2-Hexanone
Concen: 21.088 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 5060

Ion	Ratio	Lower	Upper
43	100		
58	56.9	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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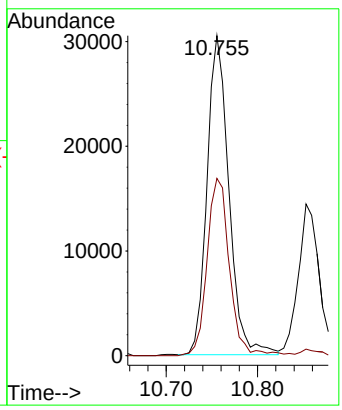
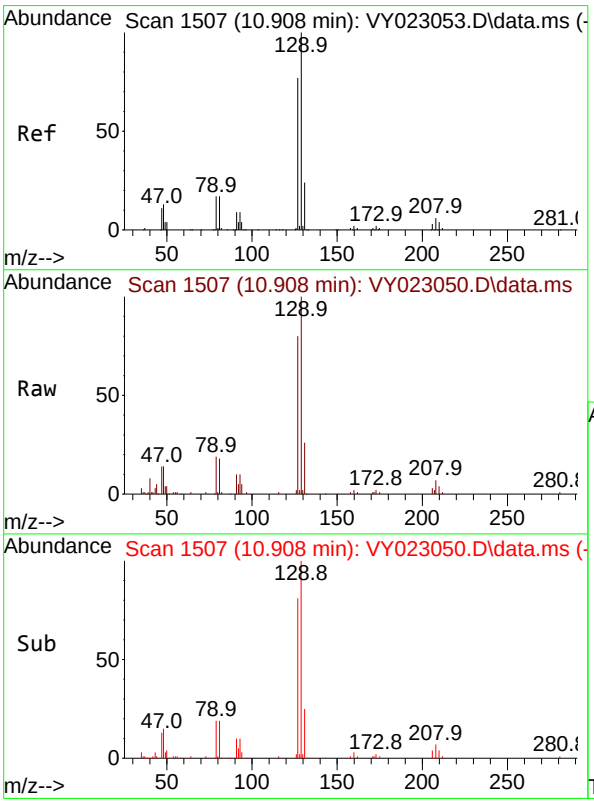
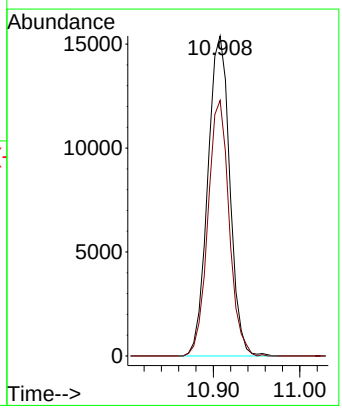


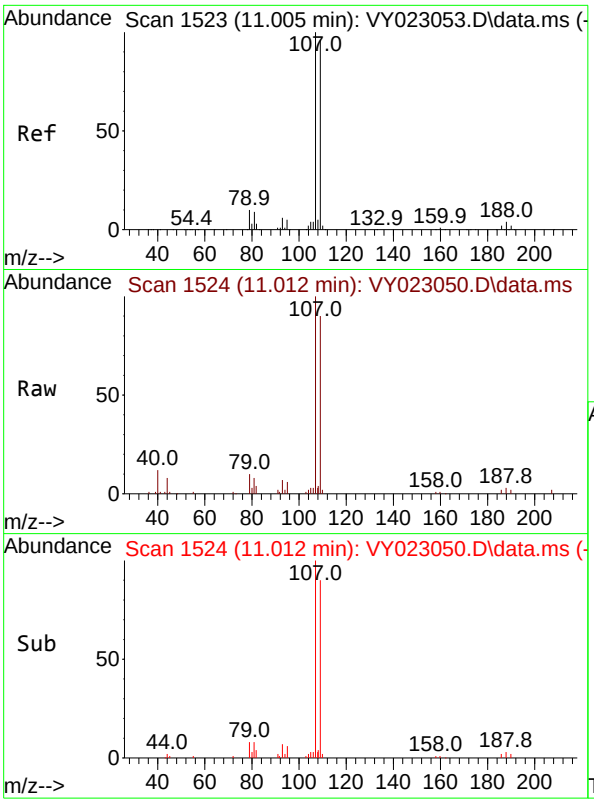


#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:129 Resp: 27141

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

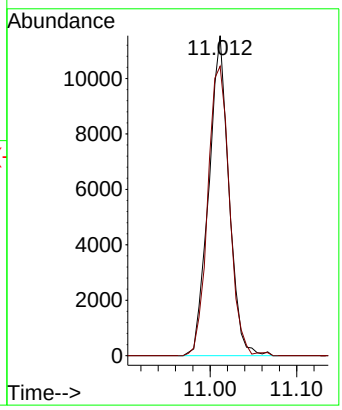




#61
1,2-Dibromoethane
Concen: 4.528 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:107 Resp: 1865

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.6	113.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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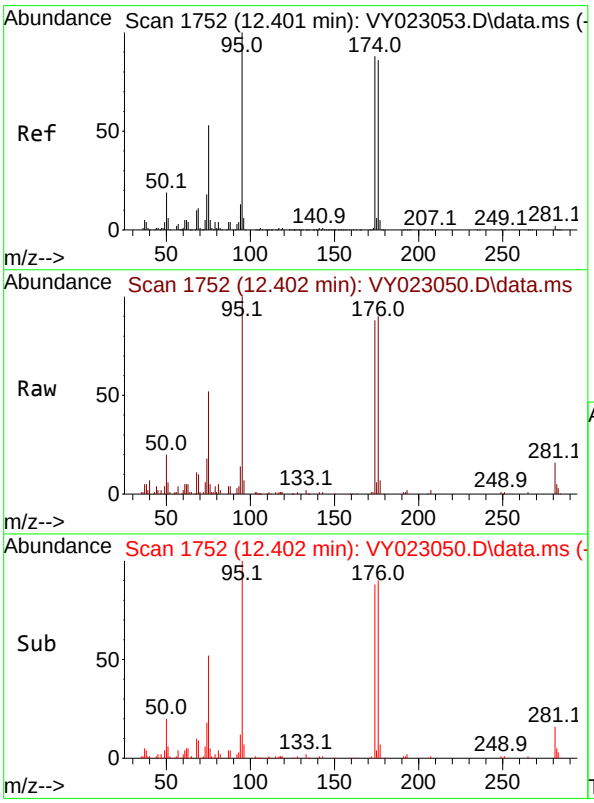
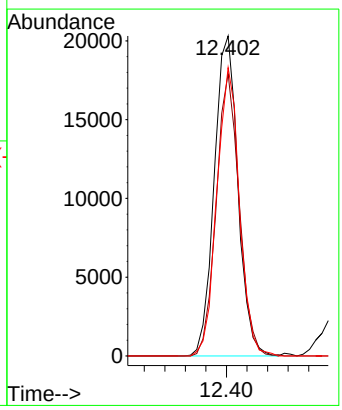
Supervised By :Semsettin Yesilyurt 08/14/2025

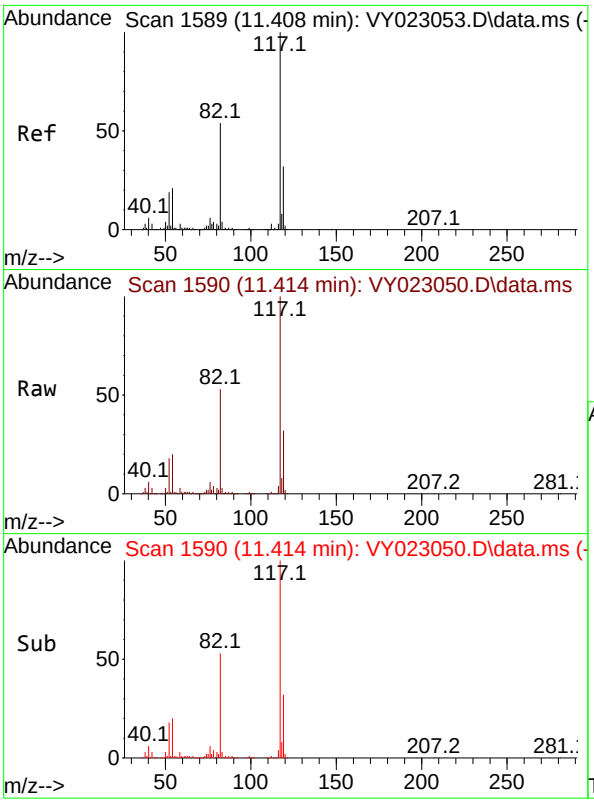


#62
4-Bromofluorobenzene
Concen: 4.766 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 95 Resp: 32420

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	171.6
176	86.1	0.0	167.6

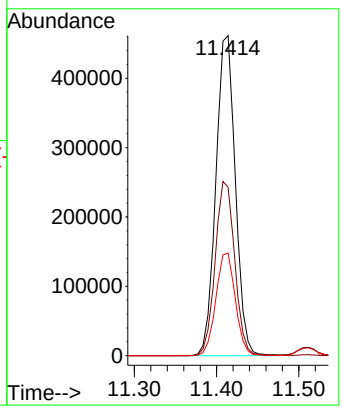




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:117 Resp: 75991

Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.4	65.0
119	32.1	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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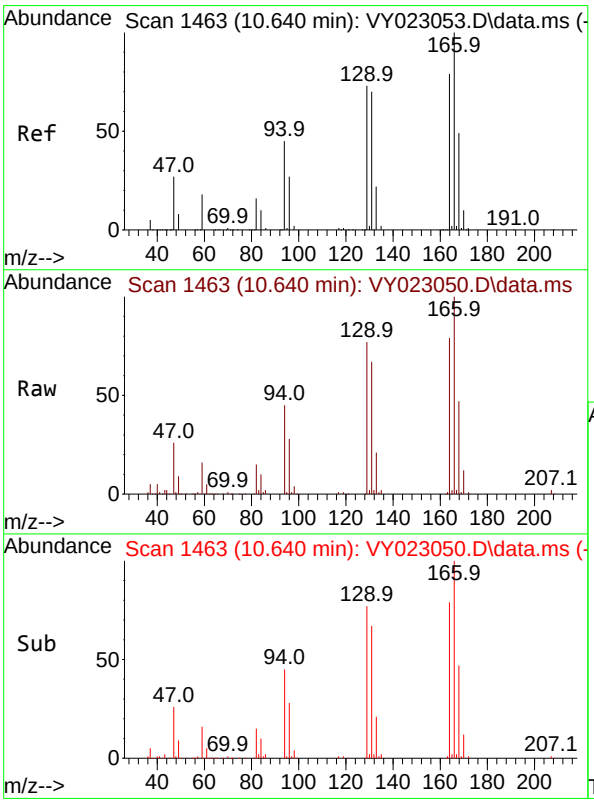
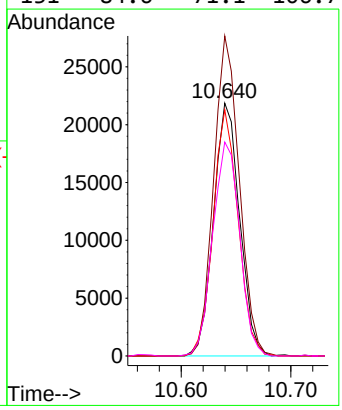
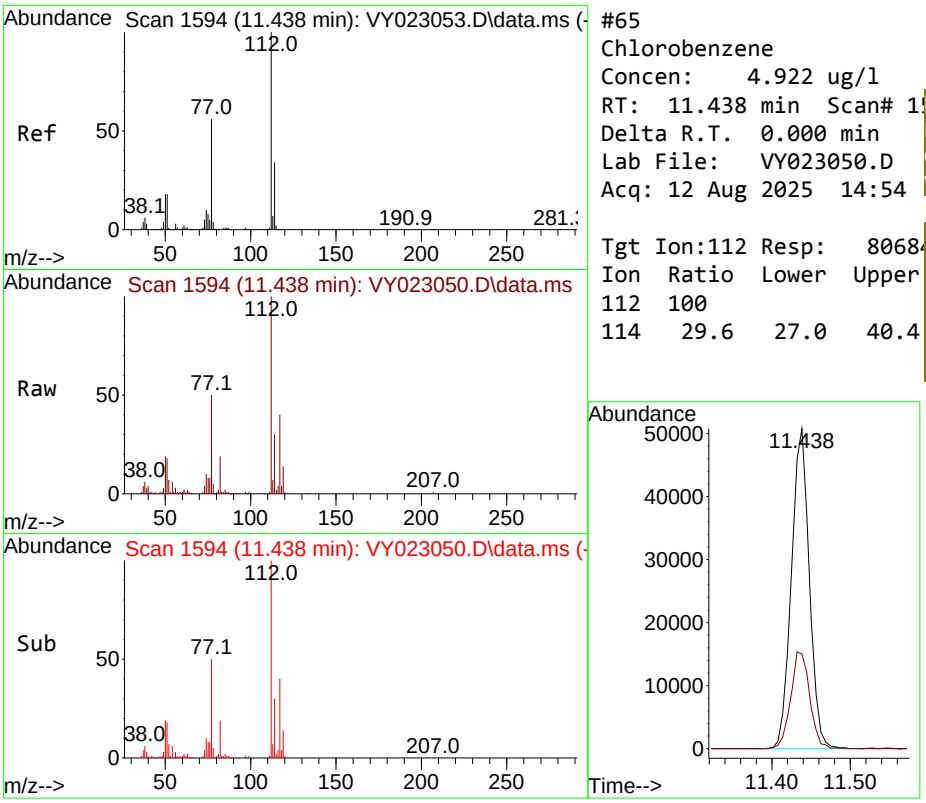


#64
Tetrachloroethene
Concen: 5.336 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:164 Resp: 36210

Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.1	151.7
129	97.4	74.0	111.0
131	84.6	71.1	106.7





#65
Chlorobenzene
Concen: 4.922 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:112 Resp: 8068

Ion	Ratio	Lower	Upper
112	100		
114	29.6	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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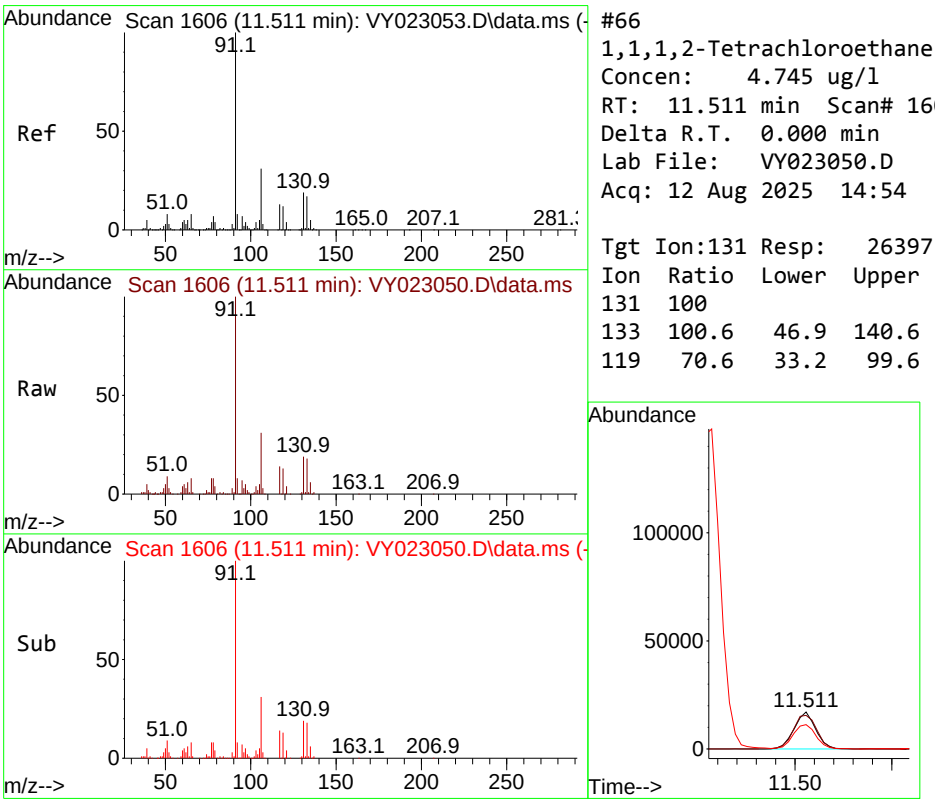
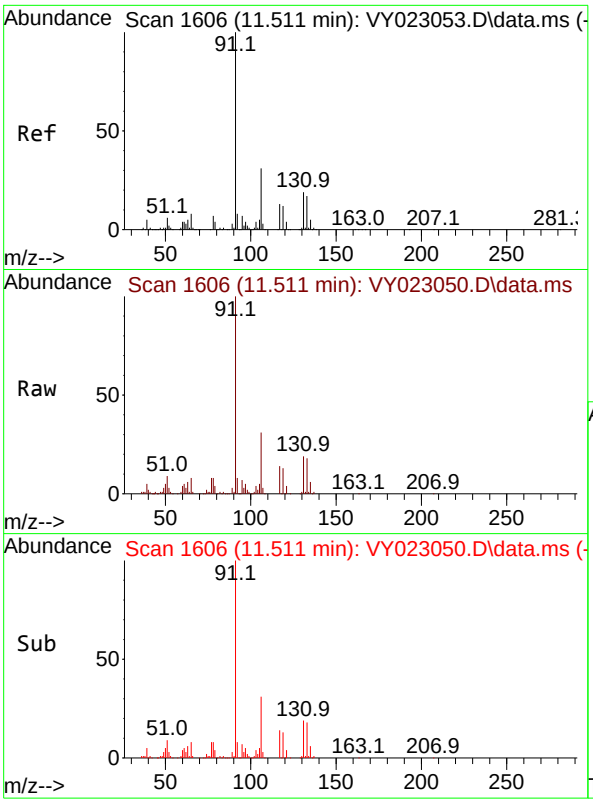


#66
1,1,1,2-Tetrachloroethane
Concen: 4.745 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:131 Resp: 26397

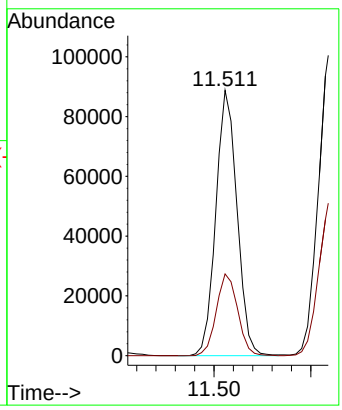
Ion	Ratio	Lower	Upper
131	100		
133	100.6	46.9	140.6
119	70.6	33.2	99.6



#67
Ethyl Benzene
Concen: 4.781 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 13485

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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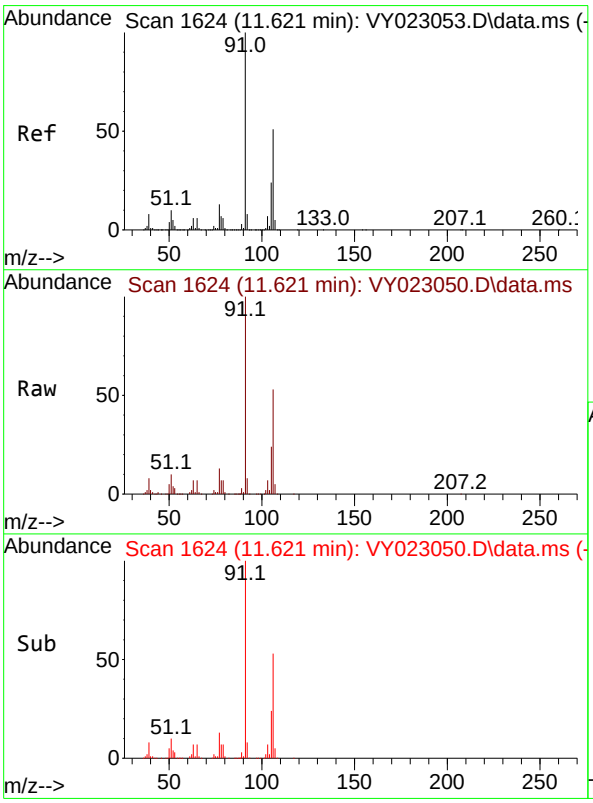
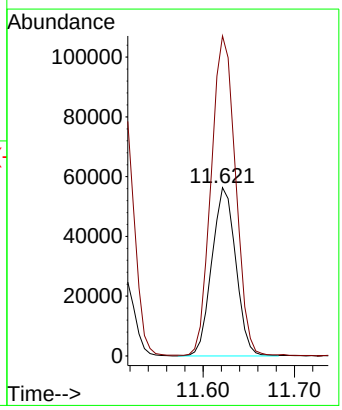
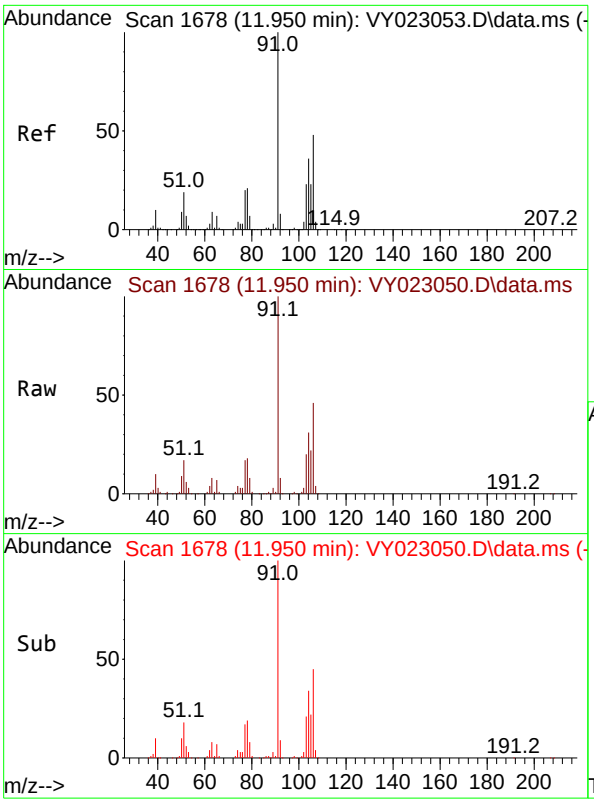


#68
m/p-Xylenes
Concen: 9.329 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:106 Resp: 102783

Ion	Ratio	Lower	Upper
106	100		
91	194.0	158.6	238.0

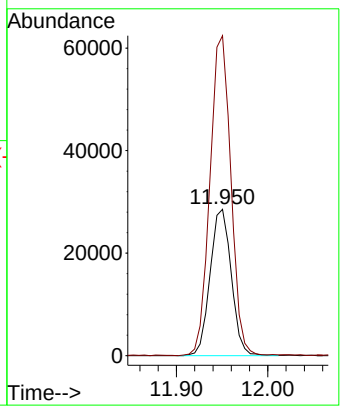




#69
o-Xylene
Concen: 4.453 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:106 Resp: 4594

Ion	Ratio	Lower	Upper
106	100		
91	216.3	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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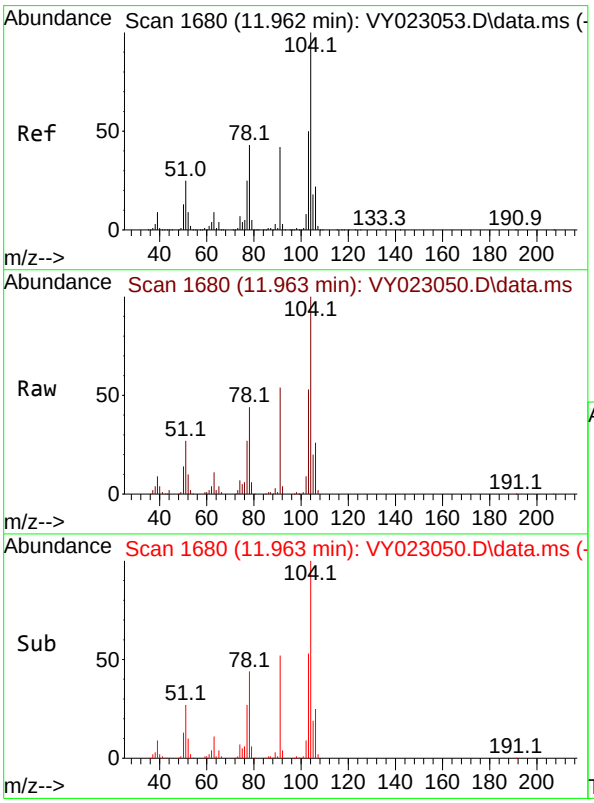
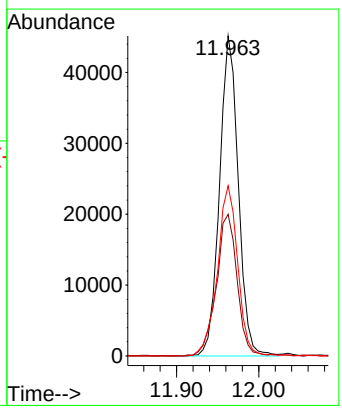
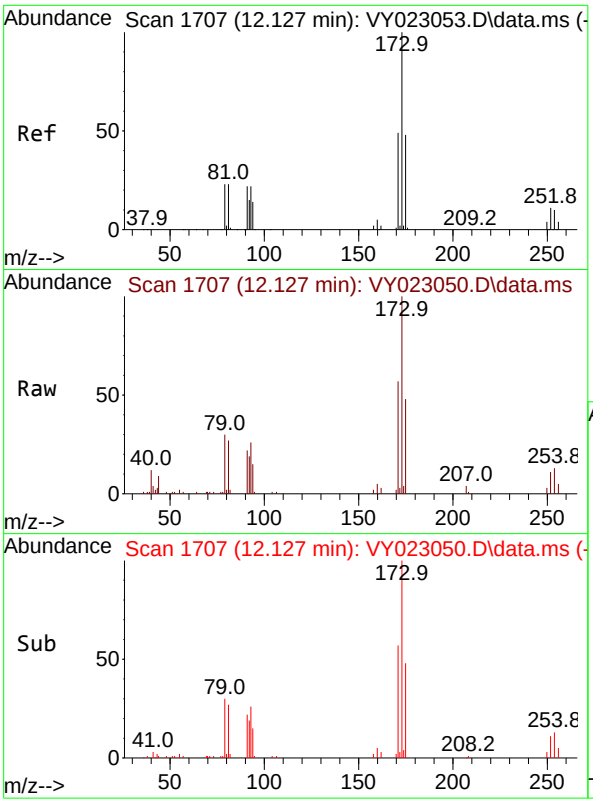


#70
Styrene
Concen: 4.255 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:104 Resp: 71801

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	57.6	43.7	65.5

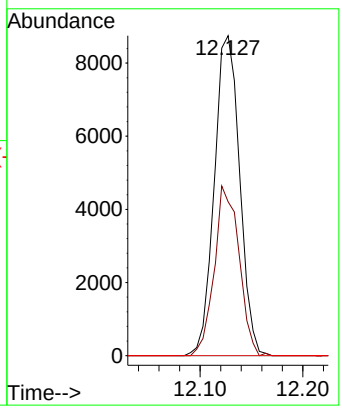




#71
Bromoform
Concen: 4.599 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:173 Resp: 1495

Ion	Ratio	Lower	Upper
173	100		
175	51.7	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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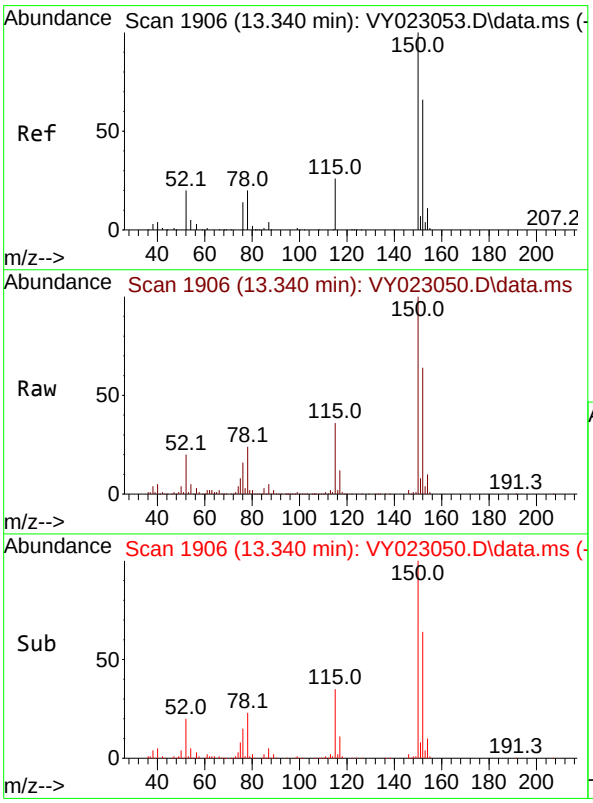
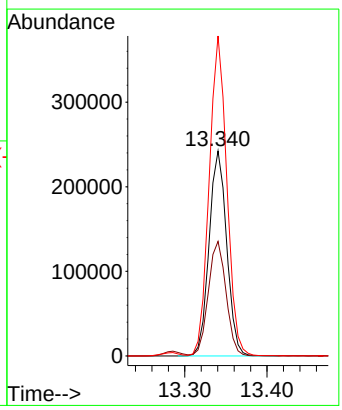
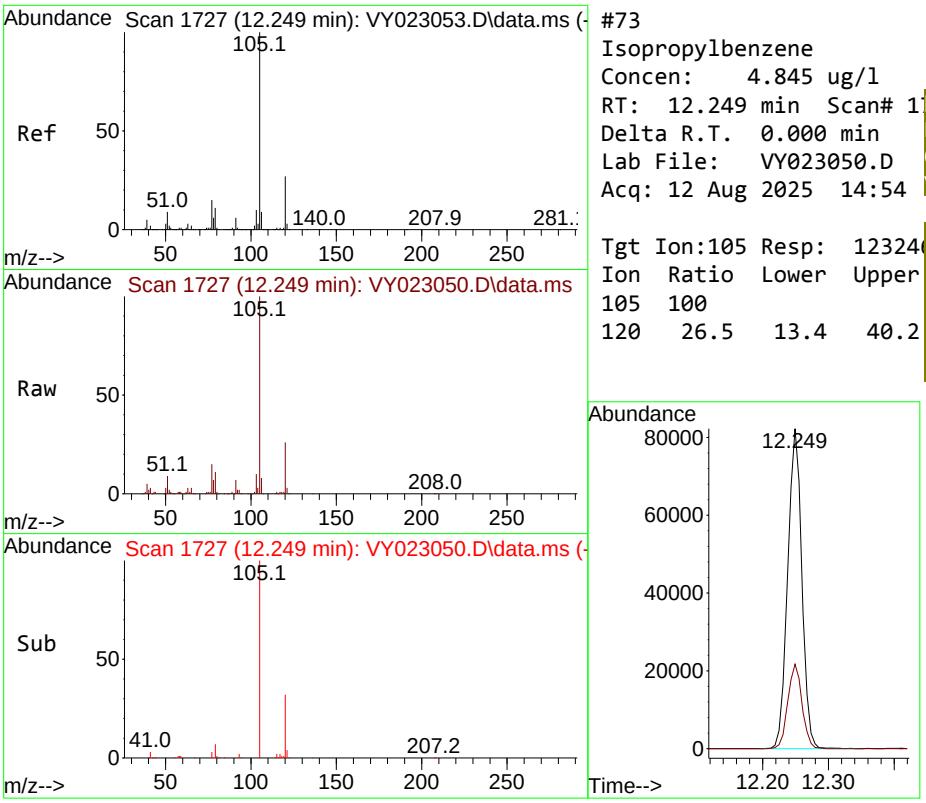


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:152 Resp: 360397

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	155.7	0.0	348.0





#73
Isopropylbenzene
Concen: 4.845 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 12324

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
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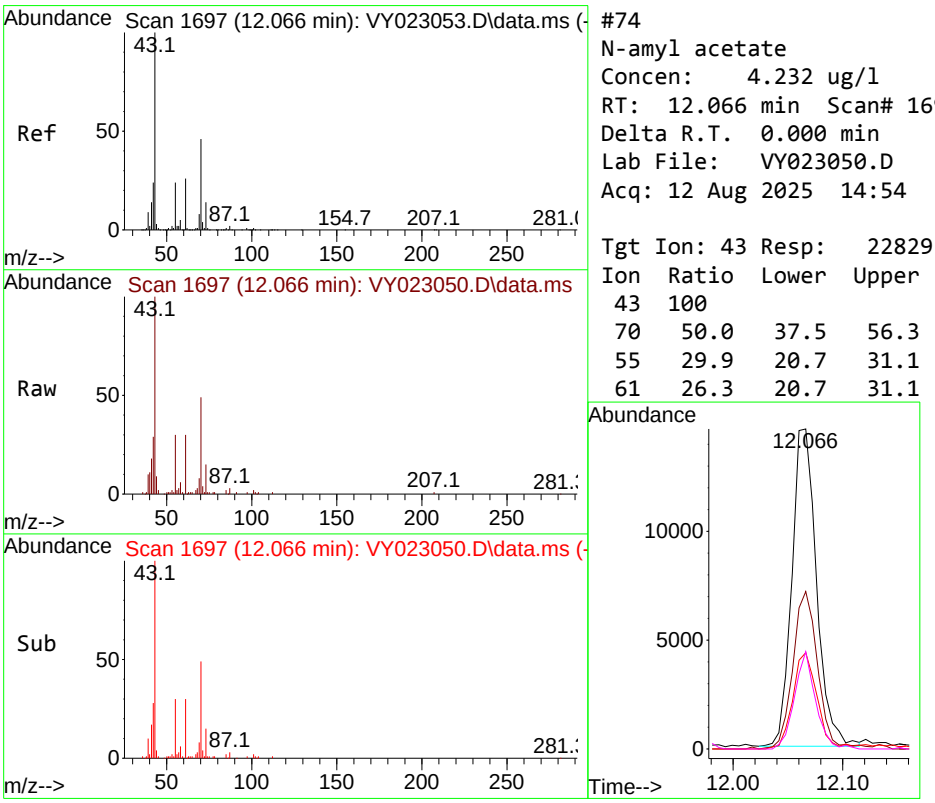
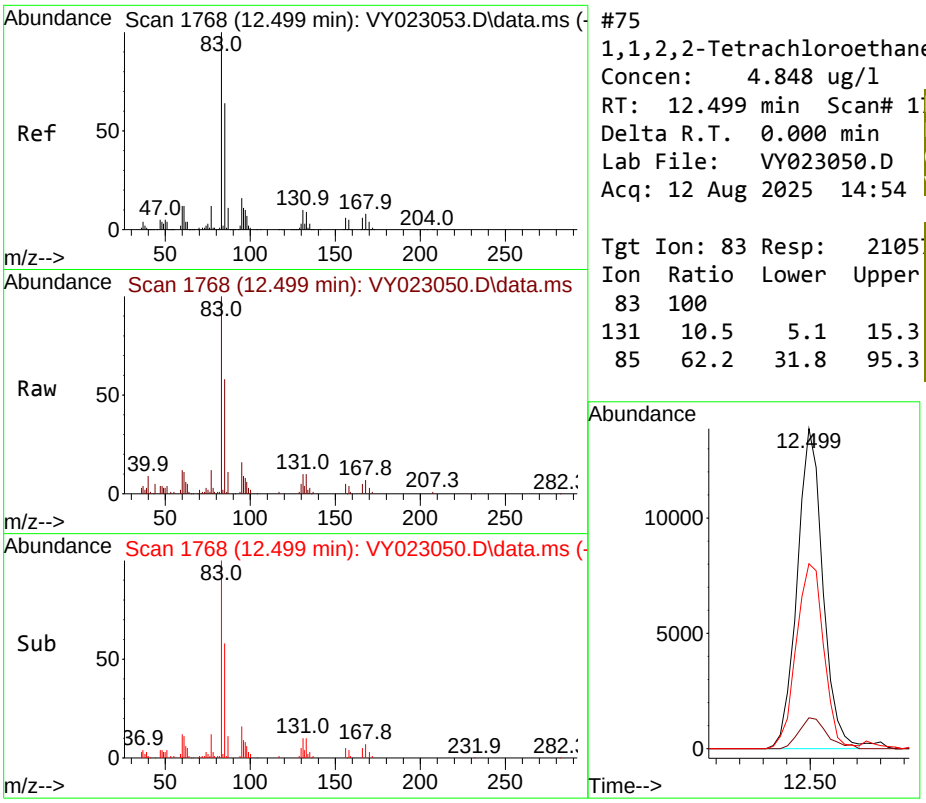


#74
N-amyl acetate
Concen: 4.232 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 22829

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.5	56.3
55	29.9	20.7	31.1
61	26.3	20.7	31.1



#75
1,1,2,2-Tetrachloroethane
Concen: 4.848 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 83 Resp: 2105

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	62.2	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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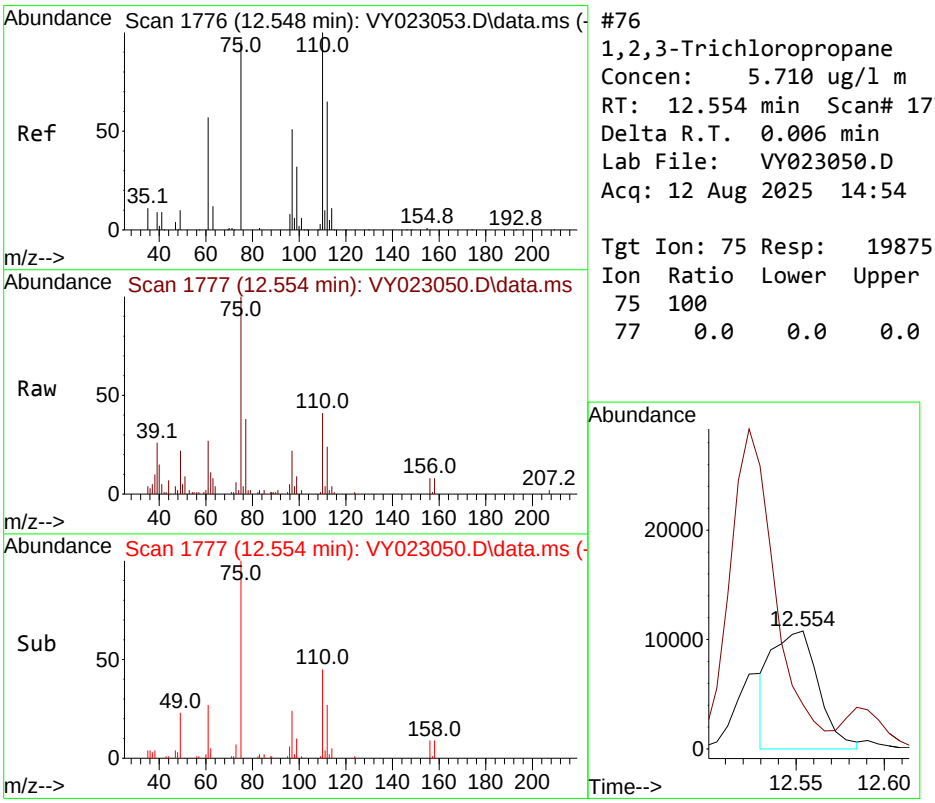
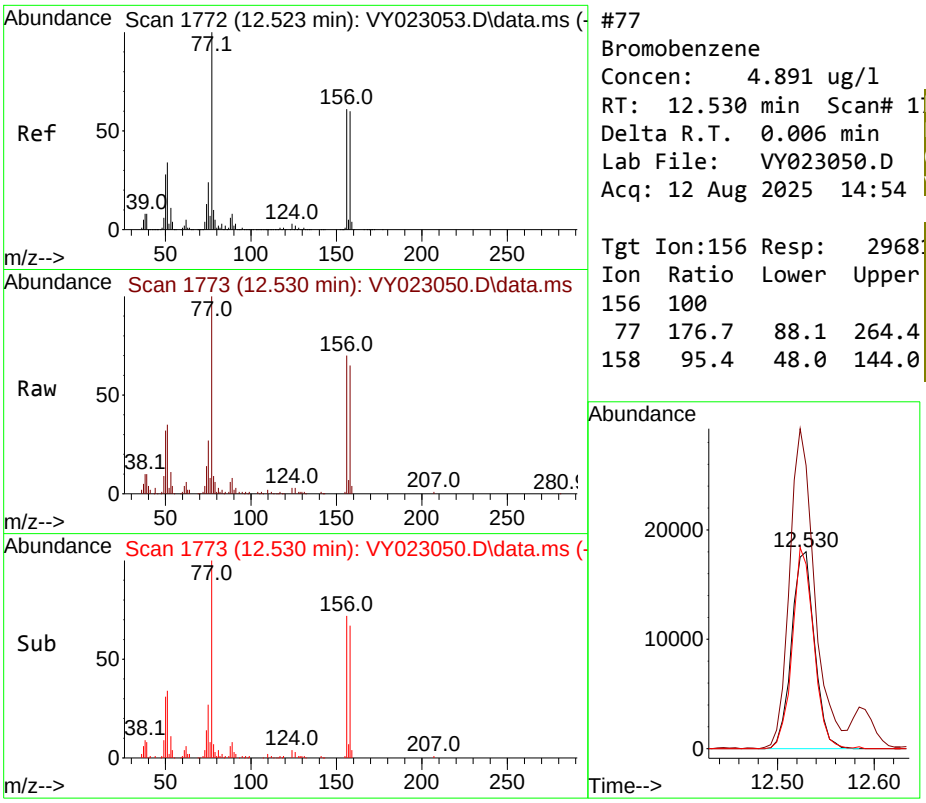


#76
1,2,3-Trichloropropane
Concen: 5.710 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 19875

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 4.891 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:156 Resp: 2968

Ion	Ratio	Lower	Upper
156	100		
77	176.7	88.1	264.4
158	95.4	48.0	144.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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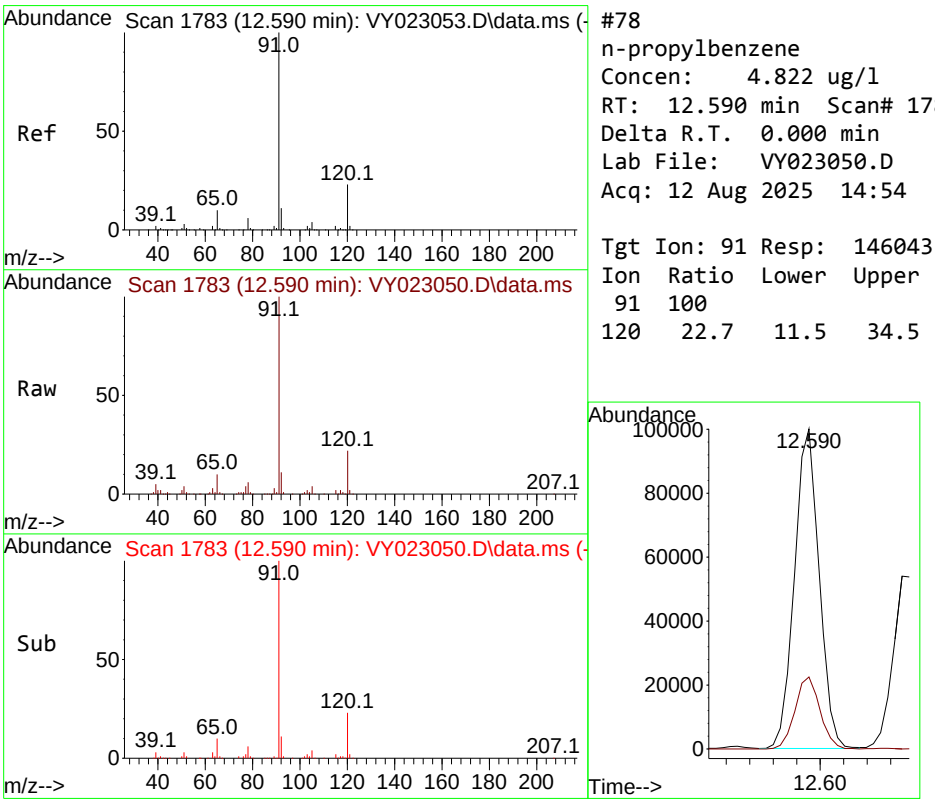
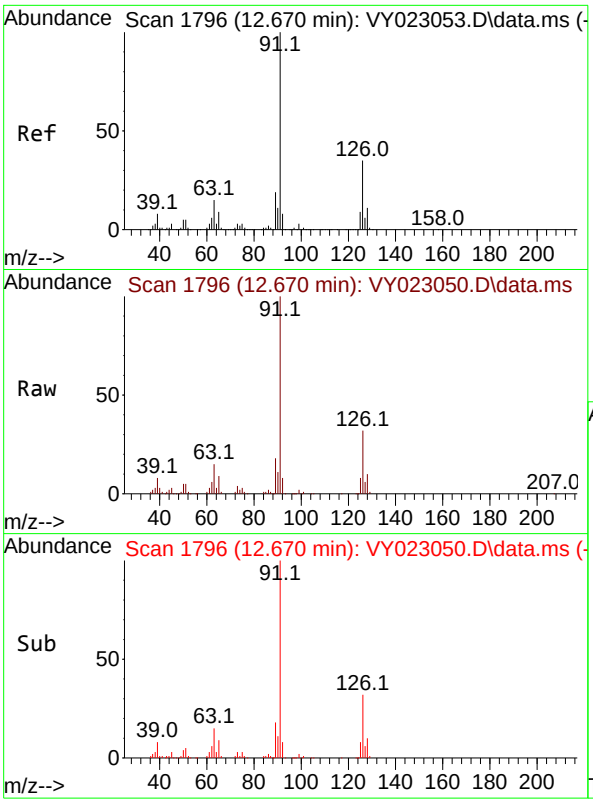


#78
n-propylbenzene
Concen: 4.822 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 146043

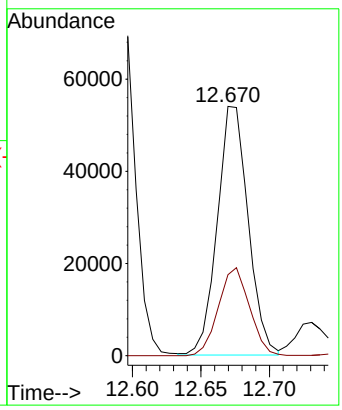
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.5



#79
2-Chlorotoluene
Concen: 4.880 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 8467

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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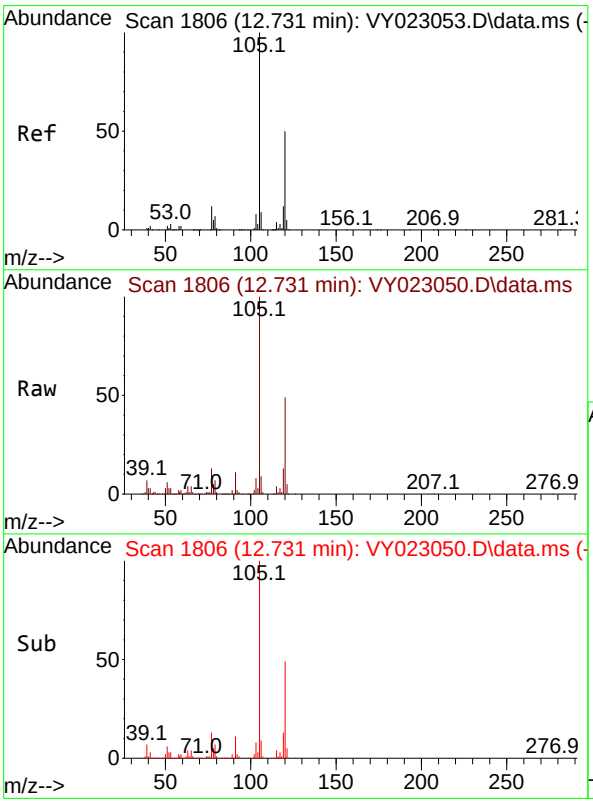
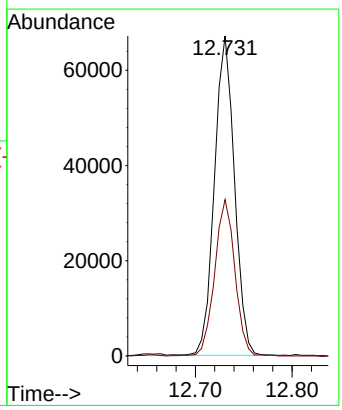
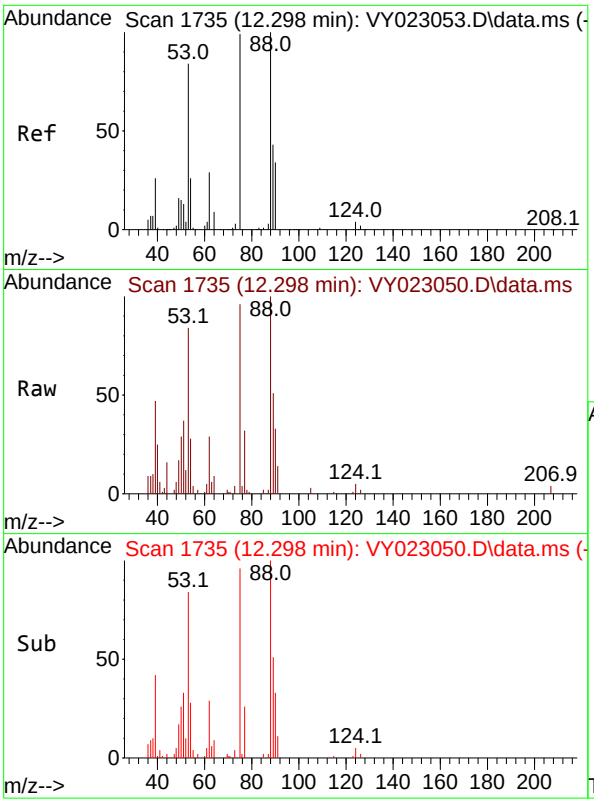


#80
1,3,5-Trimethylbenzene
Concen: 4.685 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 96308

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.533 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 651

Ion	Ratio	Lower	Upper
75	100		
53	101.3	70.8	106.2
89	51.7	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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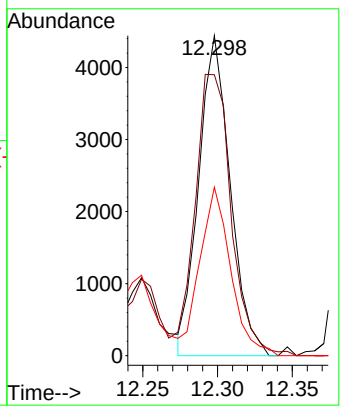
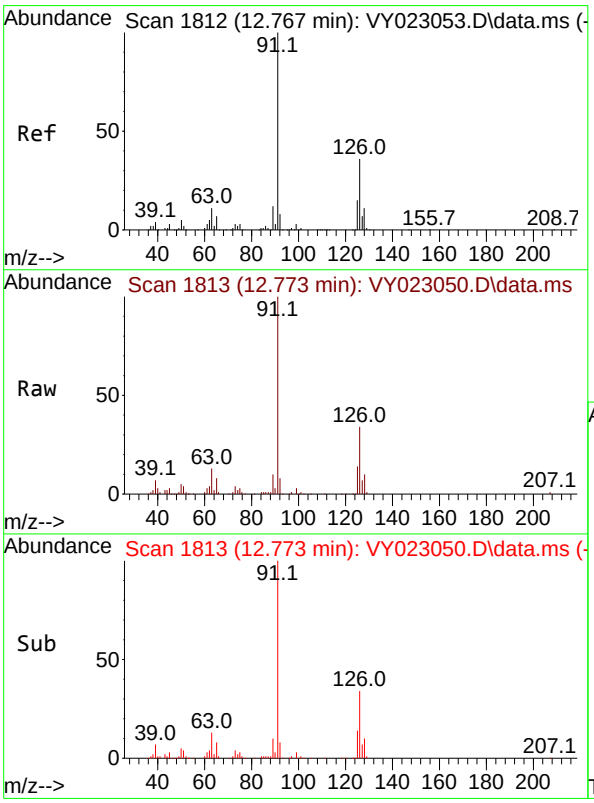
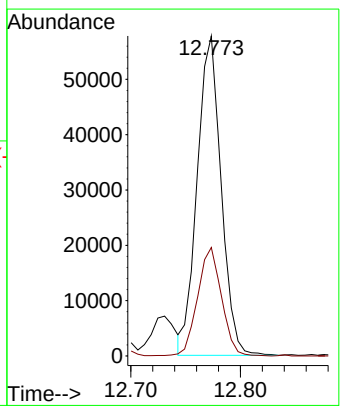


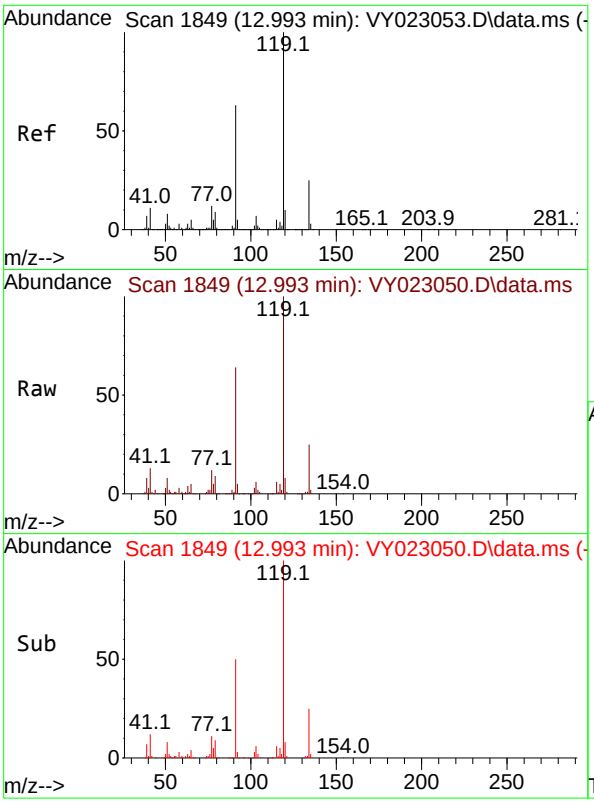


#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 87454

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0

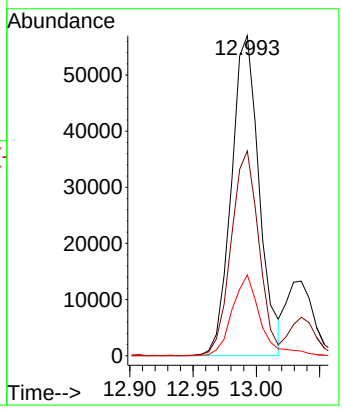




#83
tert-Butylbenzene
Concen: 4.712 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:119 Resp: 8749

Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.6	94.8
134	25.5	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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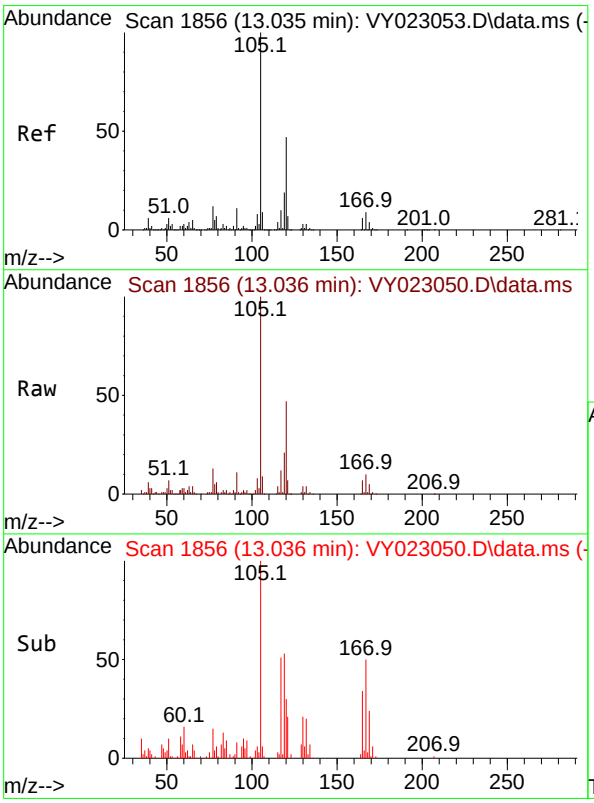
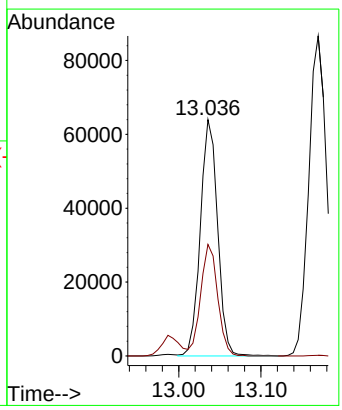
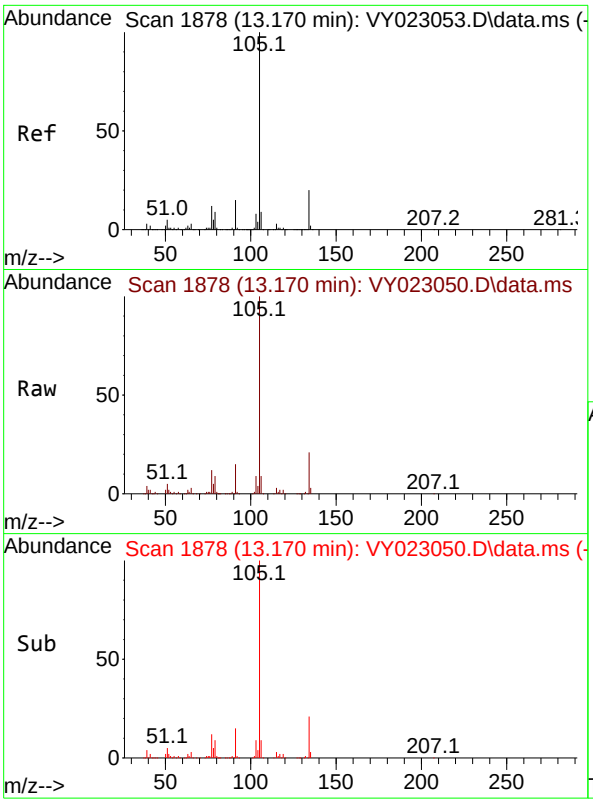


#84
1,2,4-Trimethylbenzene
Concen: 4.571 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 93551

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0

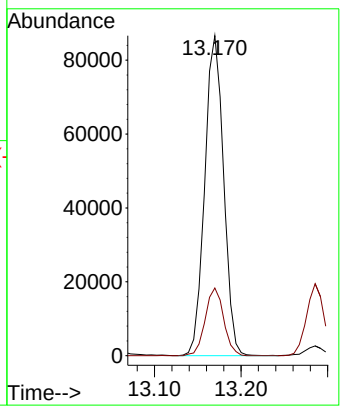




#85
sec-Butylbenzene
Concen: 4.806 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 13107

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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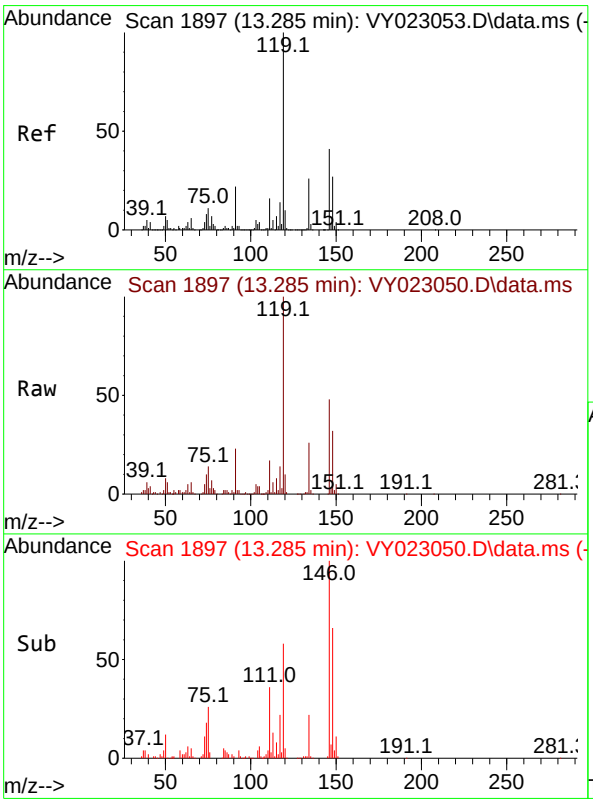
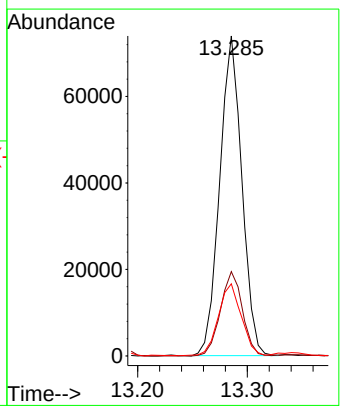
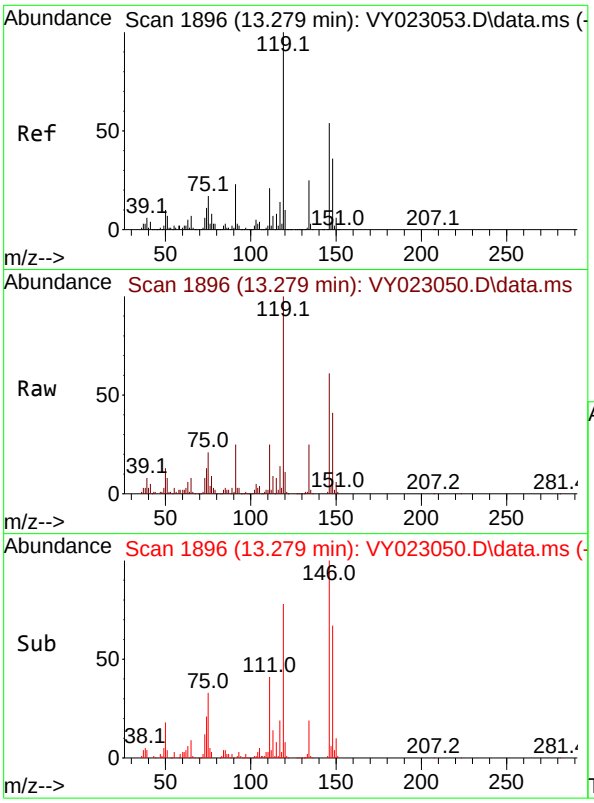


#86
p-Isopropyltoluene
Concen: 4.582 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:119 Resp: 103731

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	23.5	11.3	33.8

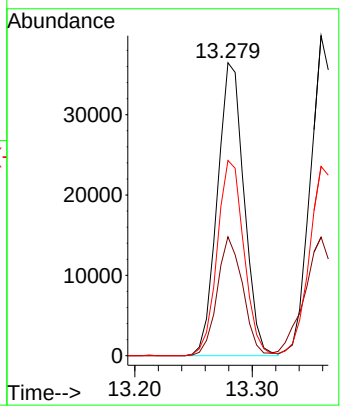




#87
1,3-Dichlorobenzene
Concen: 4.819 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:146 Resp: 5766

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	66.5	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
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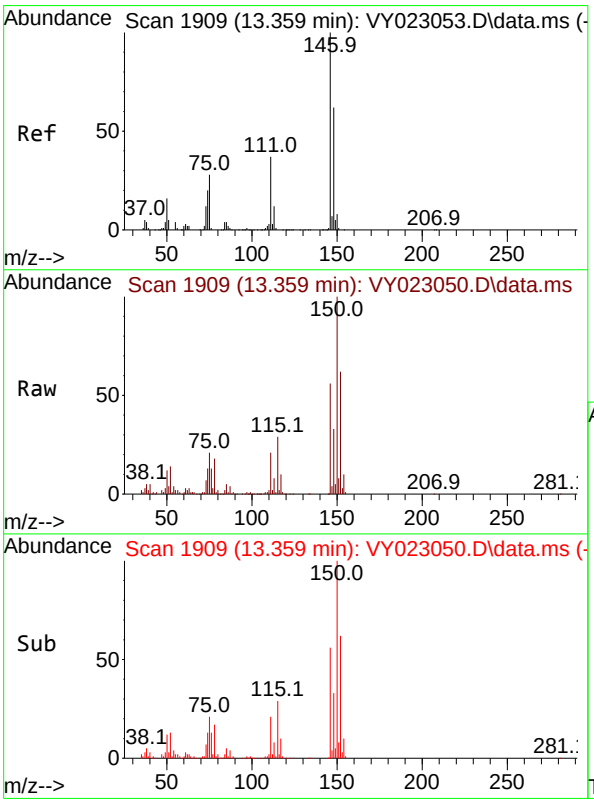
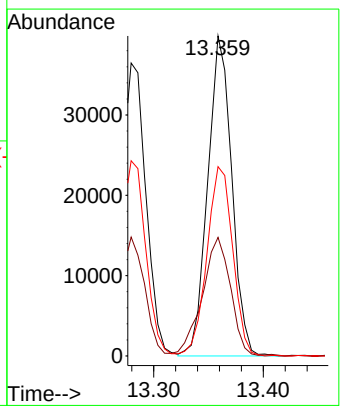
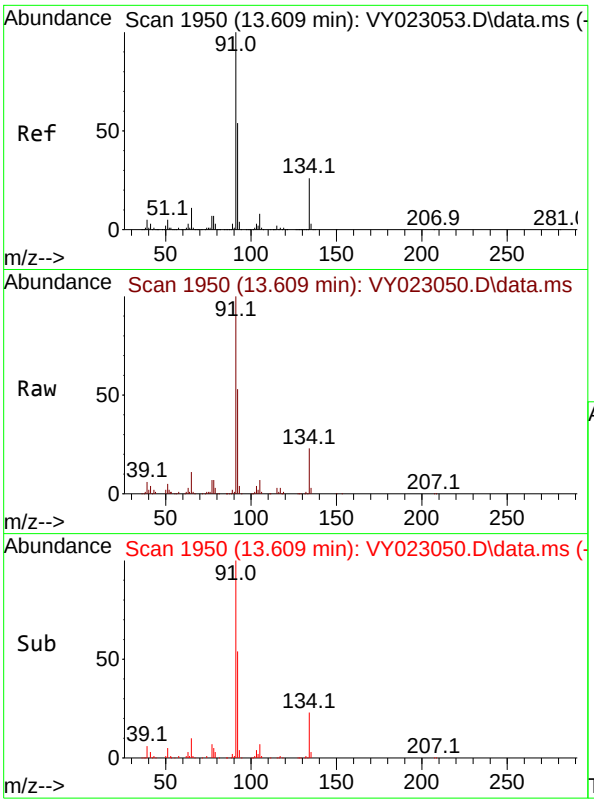


#88
1,4-Dichlorobenzene
Concen: 5.120 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:146 Resp: 60781

Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.1	57.1
148	63.6	31.6	94.7

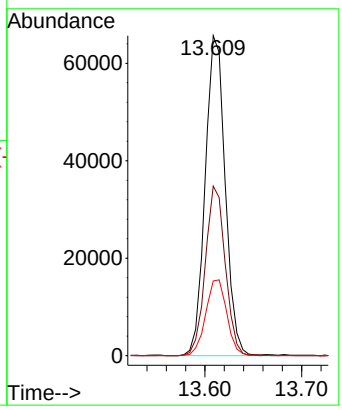




#89
n-Butylbenzene
Concen: 4.549 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 9459

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.9	80.7
134	25.1	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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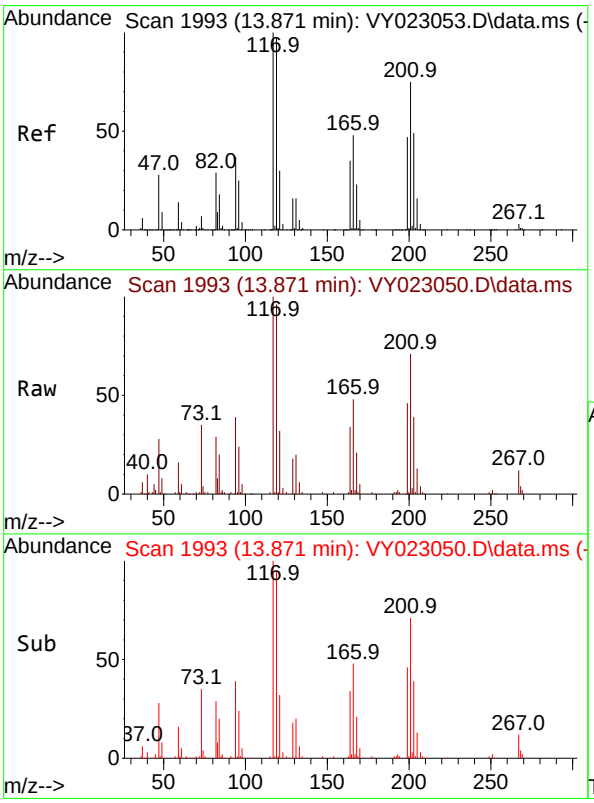
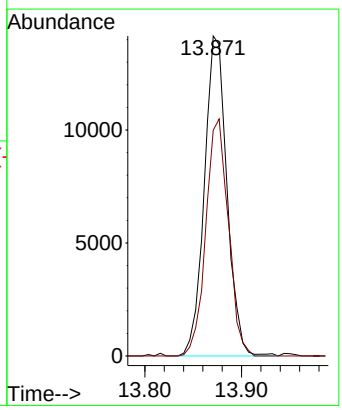
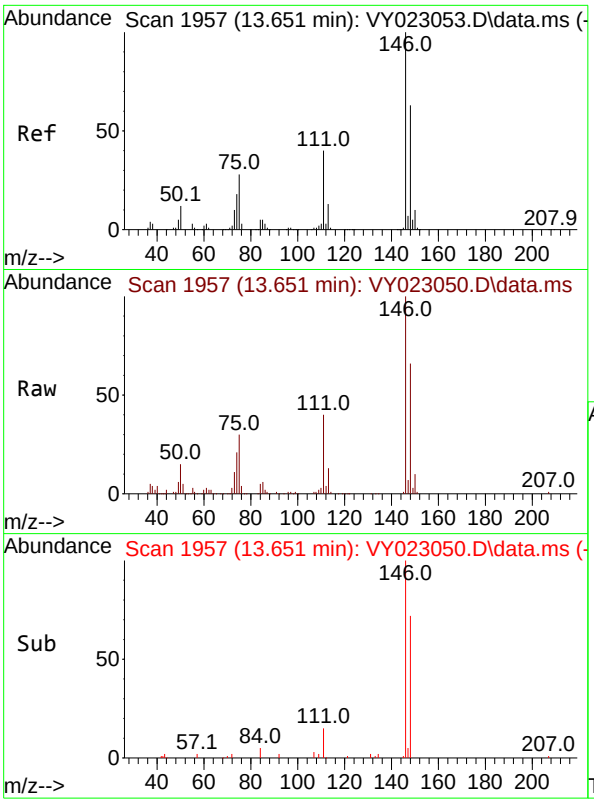


#90
Hexachloroethane
Concen: 4.958 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:117 Resp: 22980

Ion	Ratio	Lower	Upper
117	100		
201	74.0	38.4	115.1

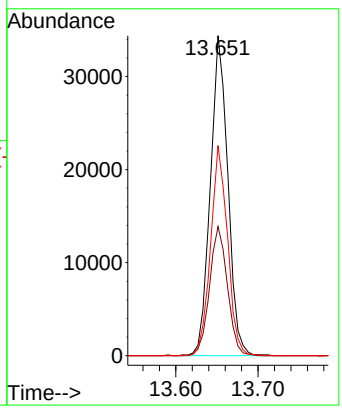




#91
1,2-Dichlorobenzene
Concen: 4.843 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:146 Resp: 5082

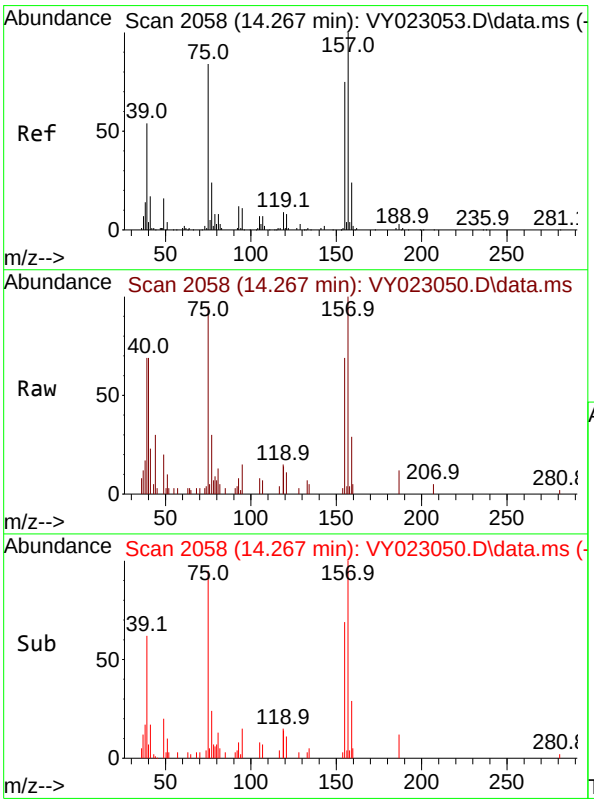
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	63.6	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

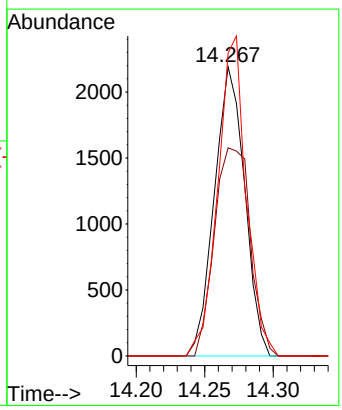
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

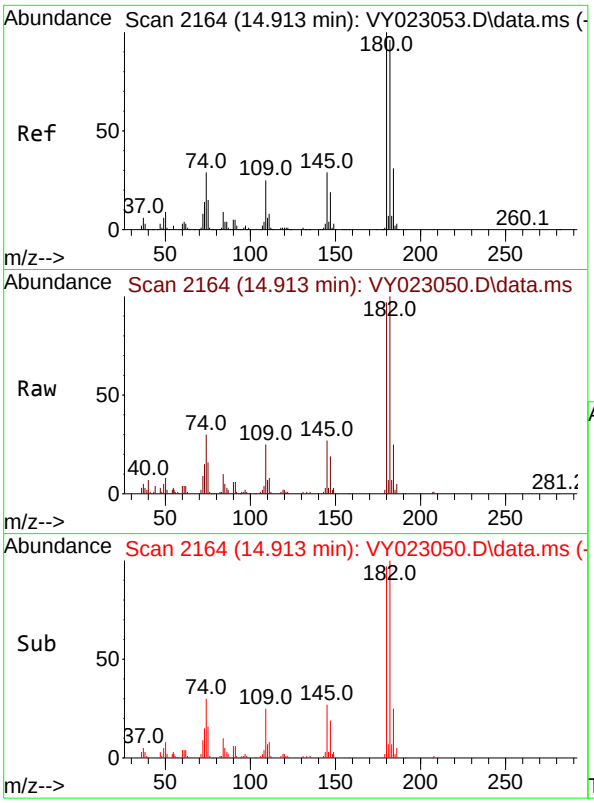


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.982 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 3369

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.9	131.6
157	103.8	57.2	171.6

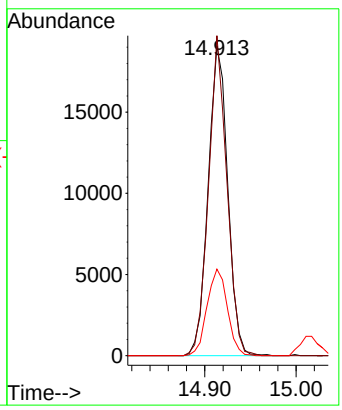




#93
1,2,4-Trichlorobenzene
Concen: 4.576 ug/l
RT: 14.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:180 Resp: 2839

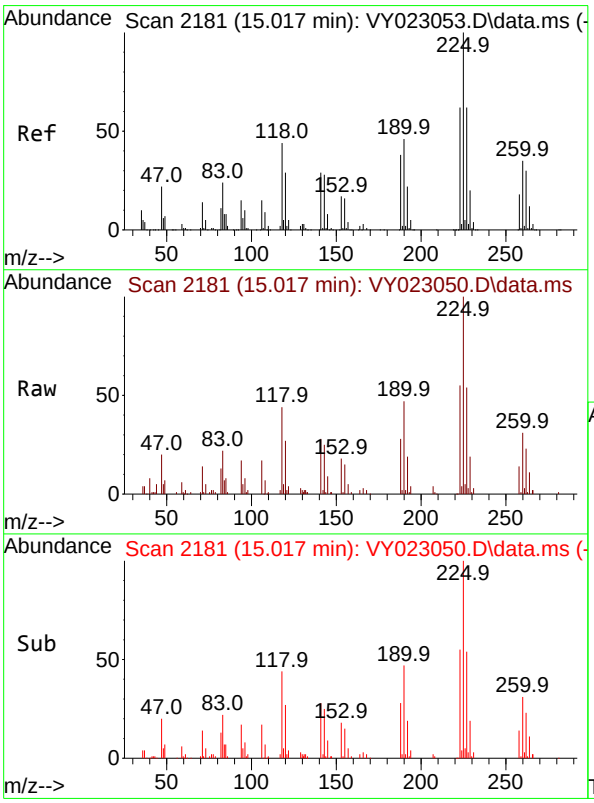
Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.8	140.4
145	28.9	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

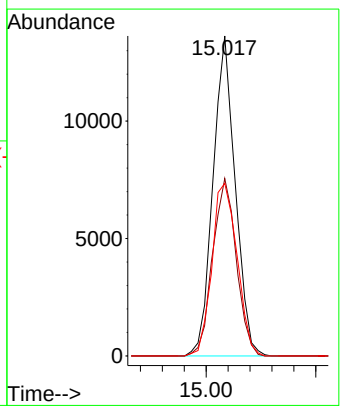
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

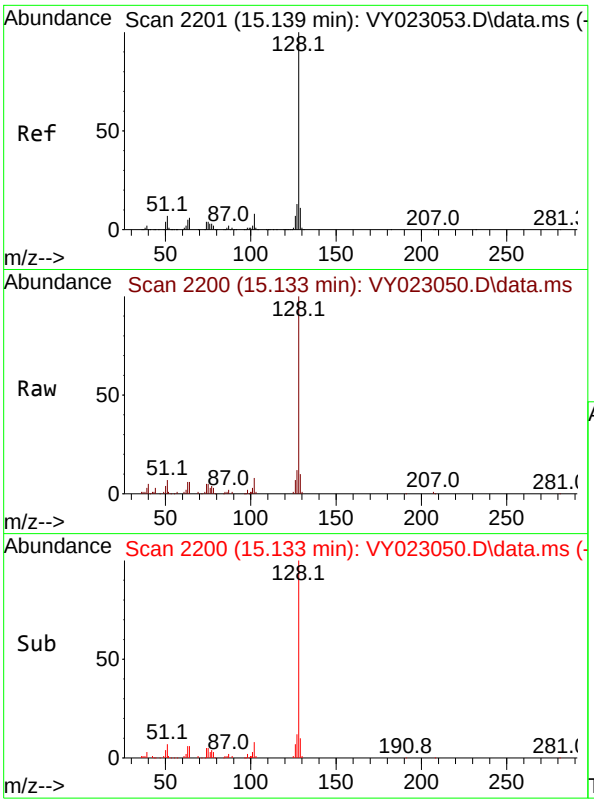


#94
Hexachlorobutadiene
Concen: 5.263 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:225 Resp: 19196

Ion	Ratio	Lower	Upper
225	100		
223	58.9	31.3	93.8
227	61.0	31.5	94.5

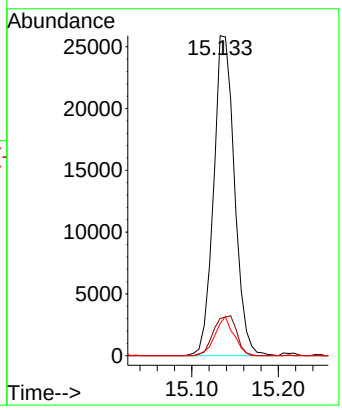




#95
Naphthalene
Concen: 4.100 ug/l
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:128 Resp: 4339

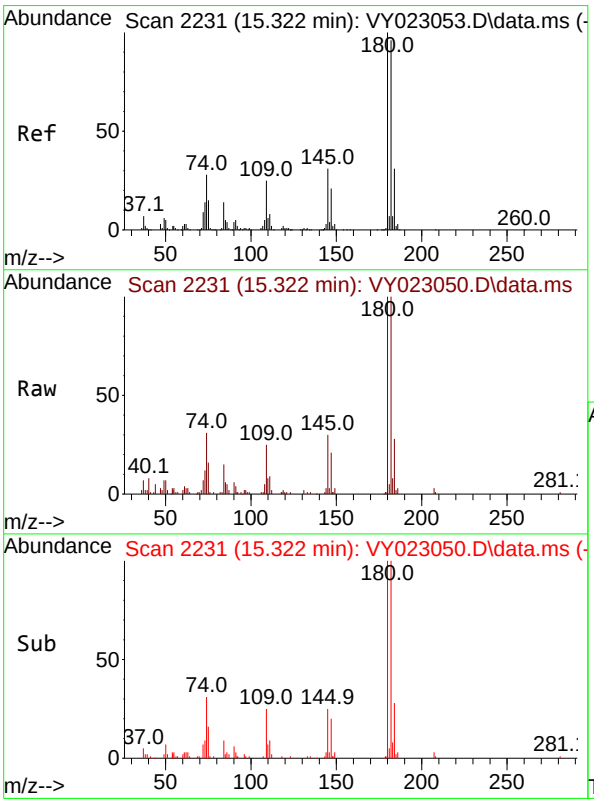
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	10.9	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

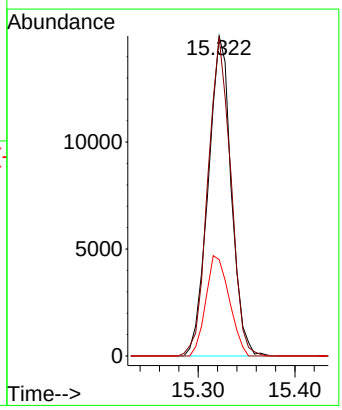
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.619 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:180 Resp: 24703

Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.9	143.7
145	31.9	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.540%#			
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.020%#			
50) Toluene-d8	10.103	98	204532	9.903	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.800%#			
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.540%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l		95
3) Chloromethane	2.068	50	77982	10.695	ug/l		97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l		99
5) Bromomethane	2.592	94	70415	10.461	ug/l		99
6) Chloroethane	2.732	64	62514	10.432	ug/l		97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l		94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l		100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l		99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l		99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l		92
13) Acrolein	3.647	56	30081	57.030	ug/l		97
14) Allyl chloride	4.372	41	79145	10.121	ug/l		98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l		99
16) Acetone	3.873	43	61290	53.821	ug/l		94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l		98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l		99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l		95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l		100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l		93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l		98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l		99
25) 2-Butanone	6.896	43	83923	54.187	ug/l		96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l		100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l		99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l		100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l		99
30) Chloroform	7.415	83	109942	10.260	ug/l		93
31) Cyclohexane	7.701	56	103068	10.527	ug/l	#	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l		98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l		99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l		97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l		97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l		99
40) Benzene	8.073	78	243060	10.037	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l	#	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l		99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l		99
44) Trichloroethene	8.859	130	62689	10.017	ug/l		98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l		97
46) Dibromomethane	9.225	93	33460	10.462	ug/l		98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l		97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l		96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l		98
52) Toluene	10.164	92	150422	9.780	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l		97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l		98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l		98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l		99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l		99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l		99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l		98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l		97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l		99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l		99
69) o-Xylene	11.950	106	97841	9.465	ug/l		98
70) Styrene	11.963	104	155809	9.216	ug/l		99
71) Bromoform	12.127	173	32470	9.968	ug/l	#	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l		99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l		99
76) 1,2,3-Trichloropropane	12.548	75	35353m	10.012	ug/l		
77) Bromobenzene	12.523	156	60728	9.864	ug/l		96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l		100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l		96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l		99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l		100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l		99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l		98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l		97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l		98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l		99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l		99
95) Naphthalene	15.139	128	99780	9.293	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
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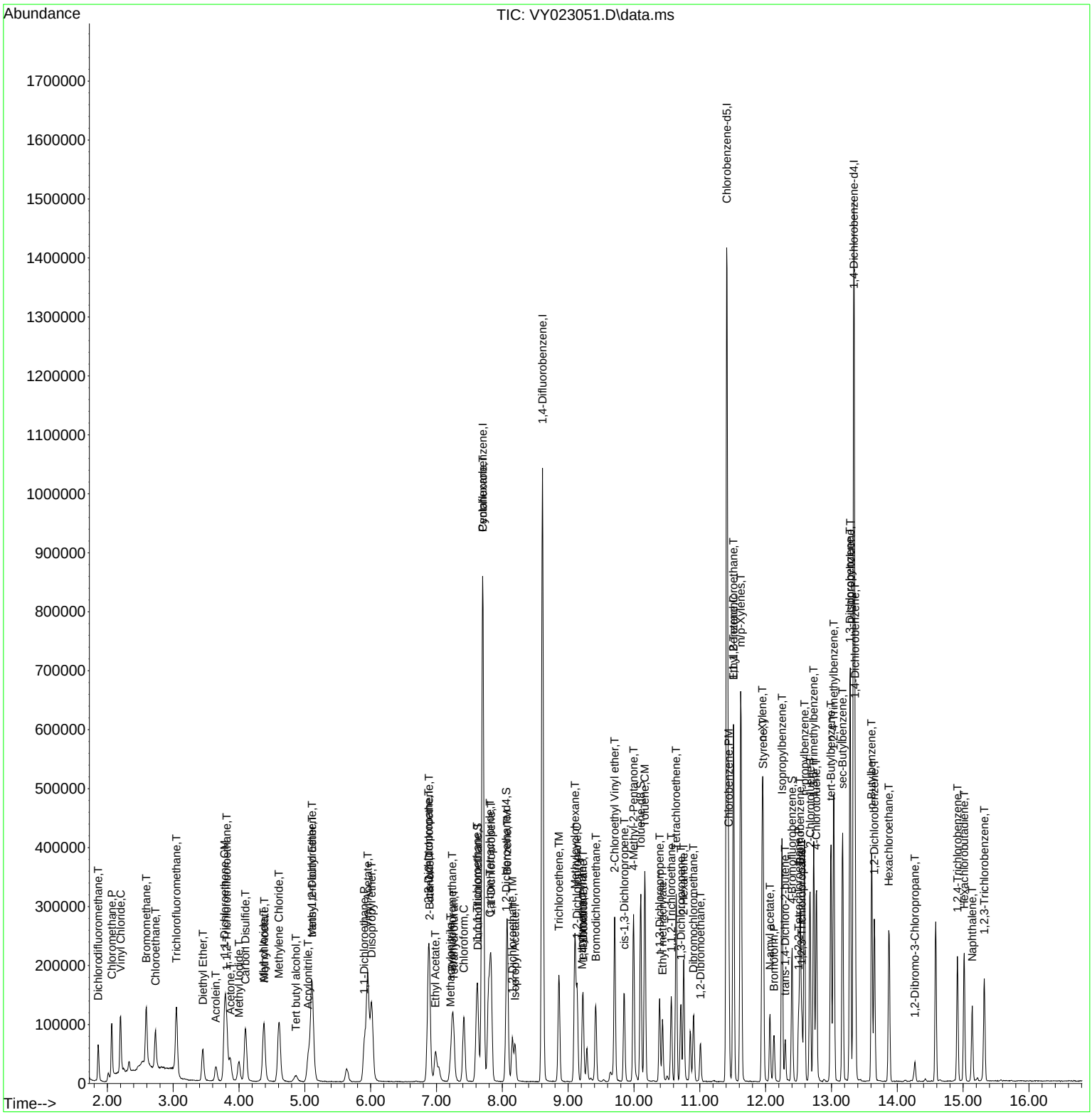
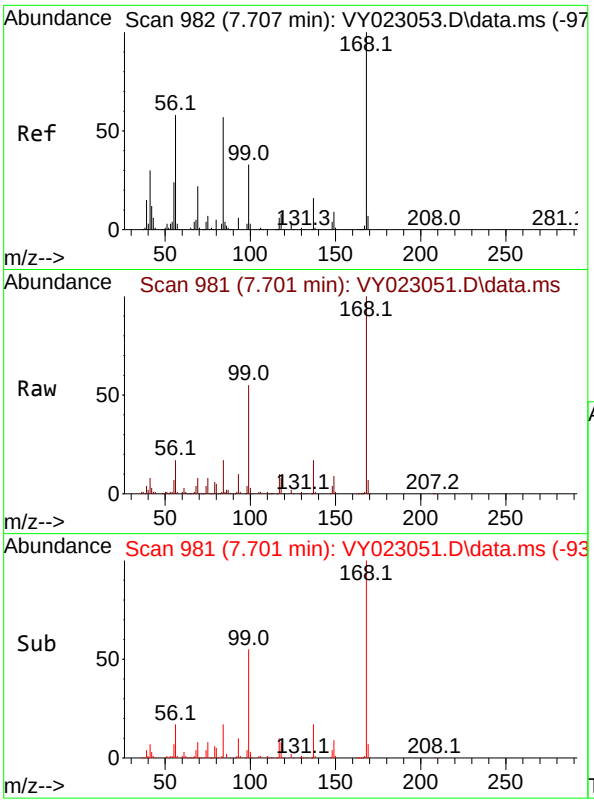
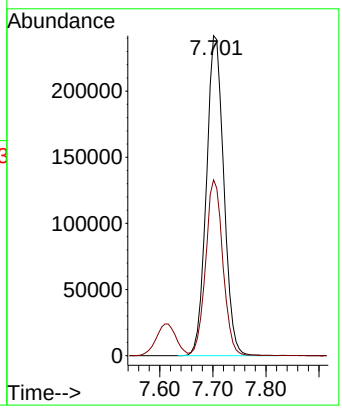




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:168 Resp: 55152

Ion	Ratio	Lower	Upper
168	100		
99	54.9	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
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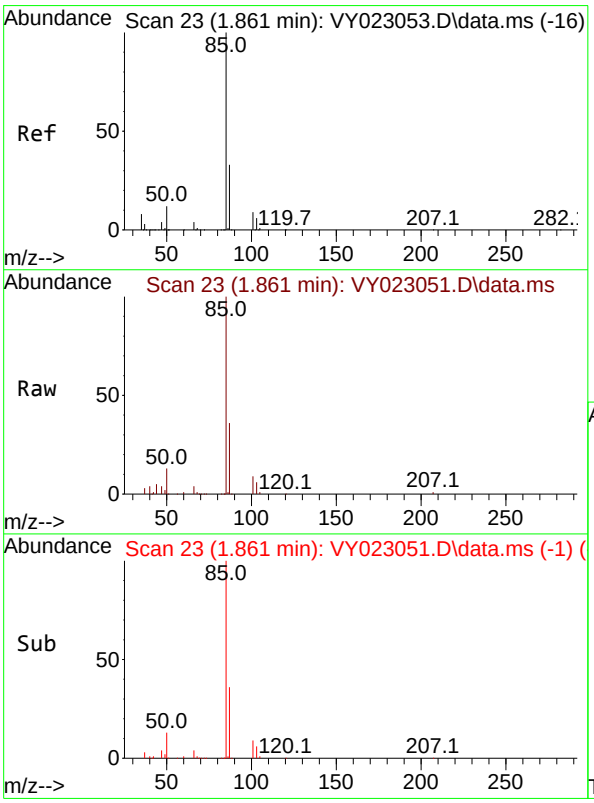
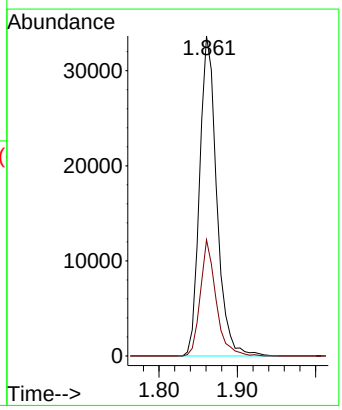
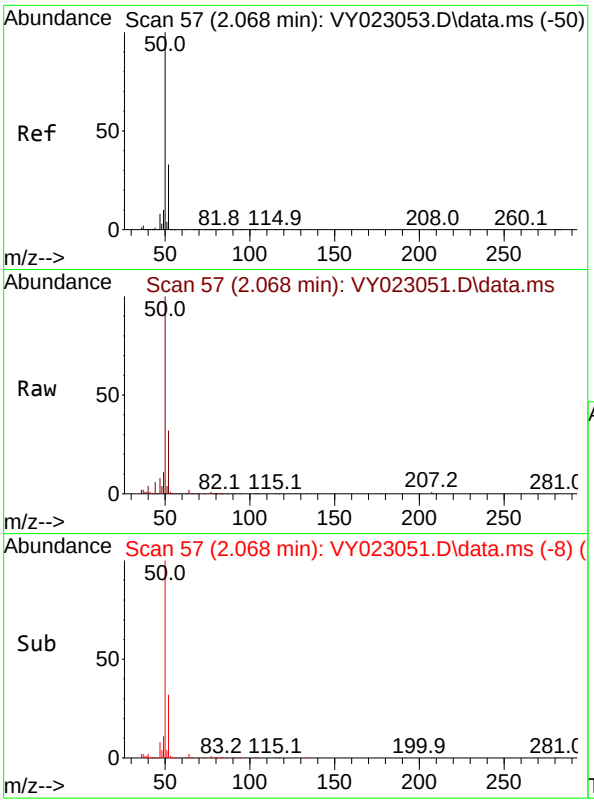


#2
Dichlorodifluoromethane
Concen: 11.334 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 85 Resp: 51022

Ion	Ratio	Lower	Upper
85	100		
87	36.3	16.6	49.8

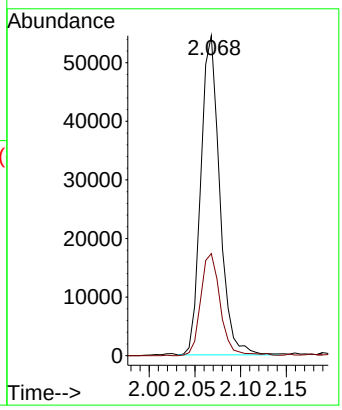




#3
Chloromethane
Concen: 10.695 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 50 Resp: 7798

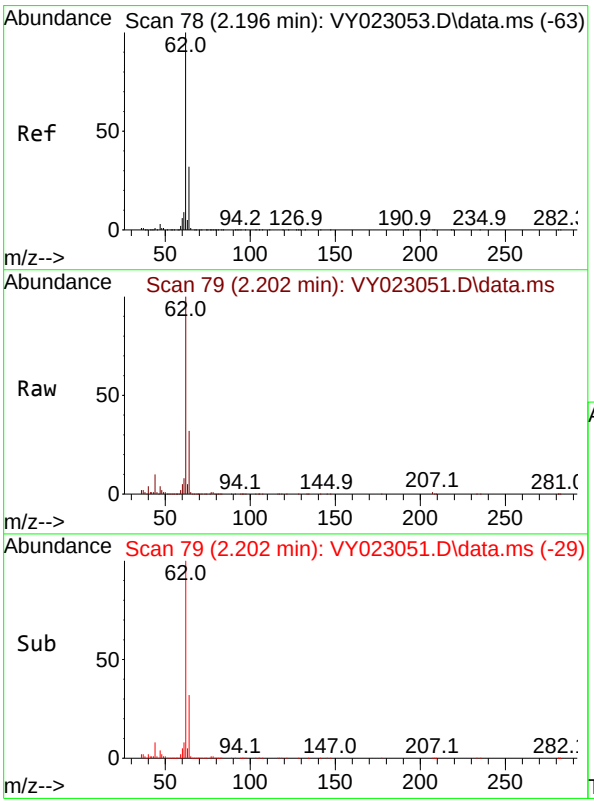
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

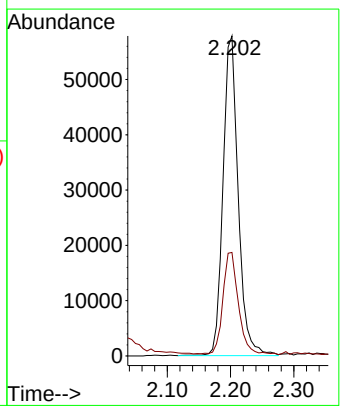
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

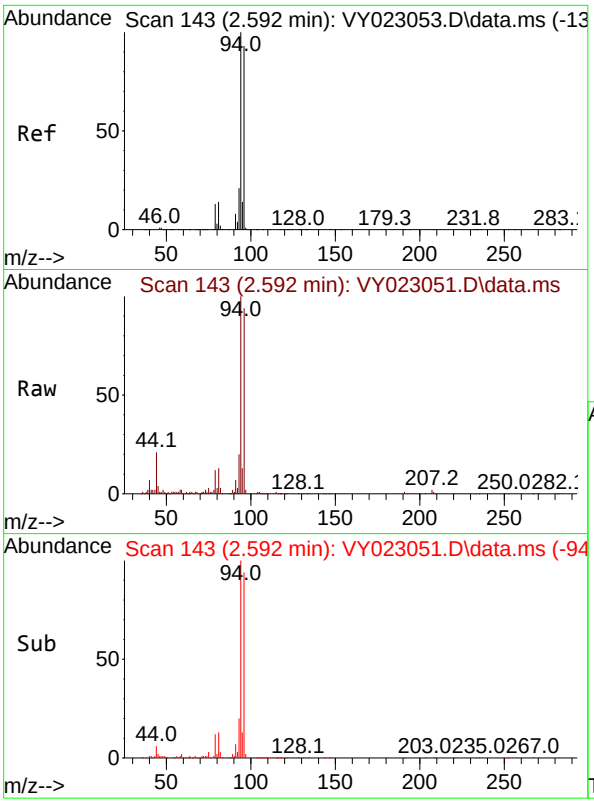


#4
Vinyl Chloride
Concen: 10.649 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 95983

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.4	38.0





#5
Bromomethane
Concen: 10.461 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 94 Resp: 7041

Ion	Ratio	Lower	Upper
94	100		
96	93.8	74.6	112.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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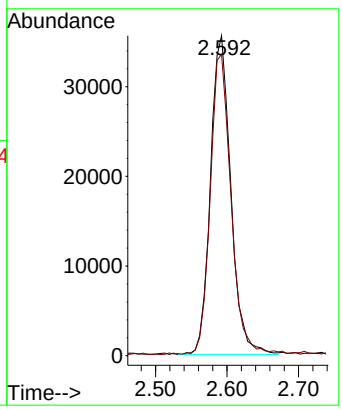
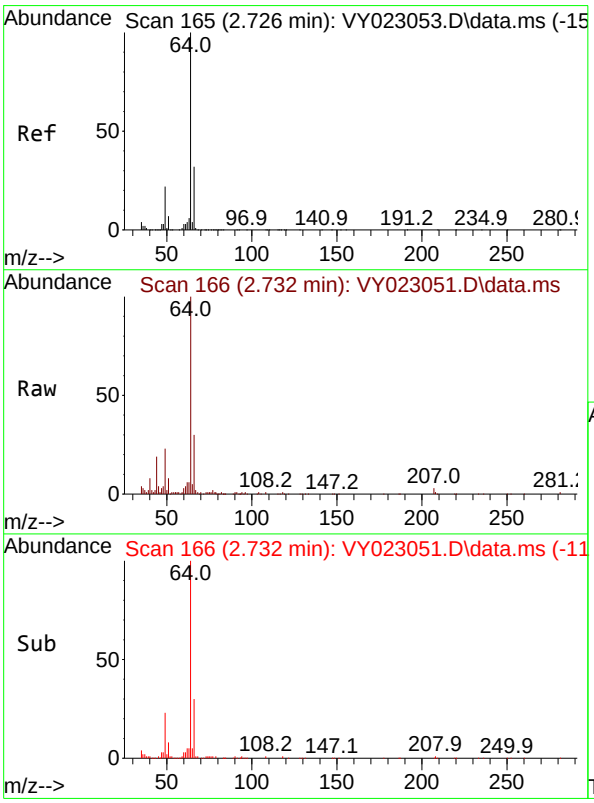
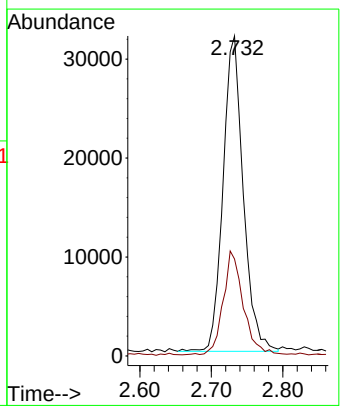


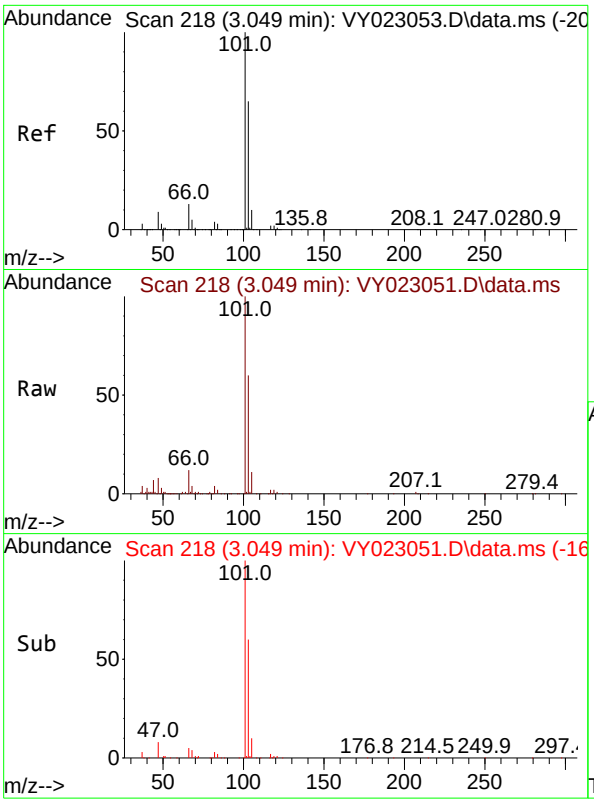


#6
Chloroethane
Concen: 10.432 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 64 Resp: 62514

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.8	38.6





#7
Trichlorofluoromethane
Concen: 10.507 ug/l
RT: 3.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:101 Resp: 11515

Ion	Ratio	Lower	Upper
101	100		
103	60.1	51.9	77.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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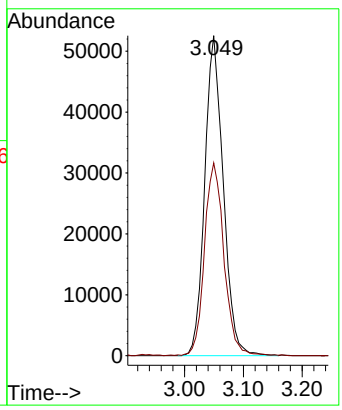
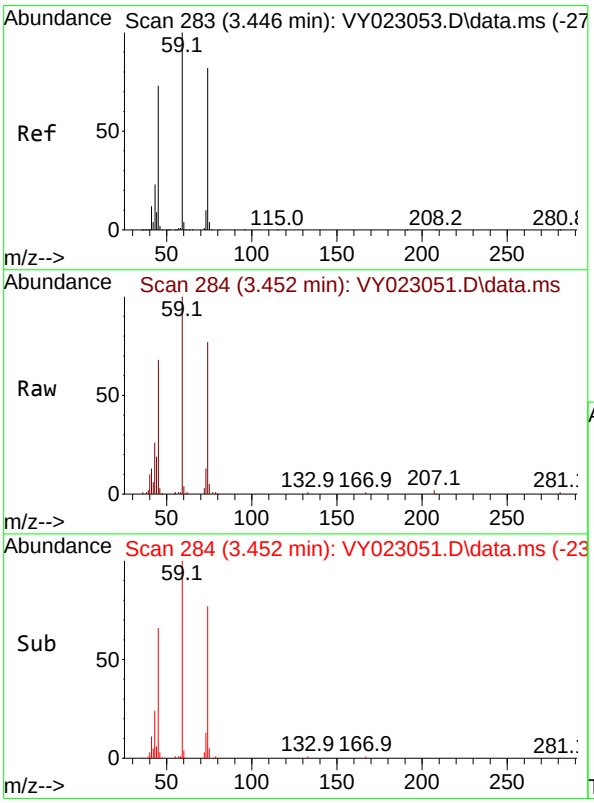
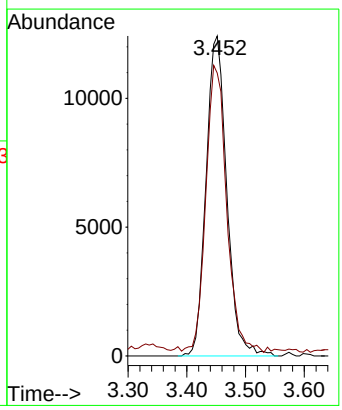


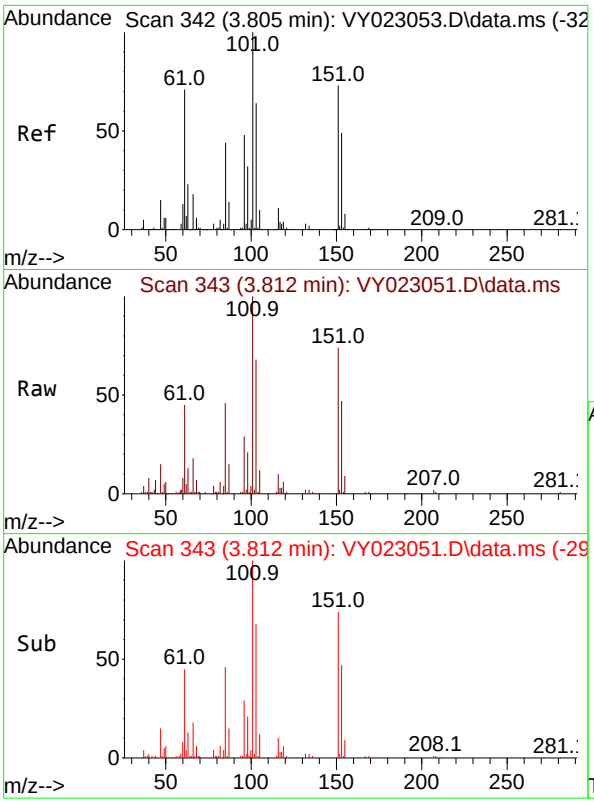


#8
Diethyl Ether
Concen: 10.481 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 74 Resp: 30390

Ion	Ratio	Lower	Upper
74	100		
45	90.2	44.4	133.2

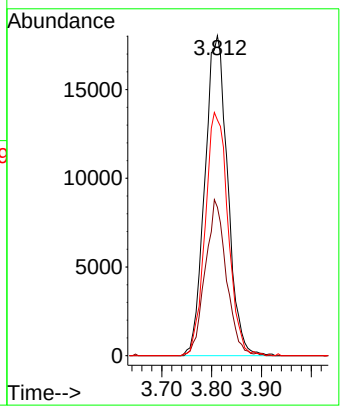




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.581 ug/l
RT: 3.812 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:101 Resp: 5721

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.3	54.5
151	76.3	61.5	92.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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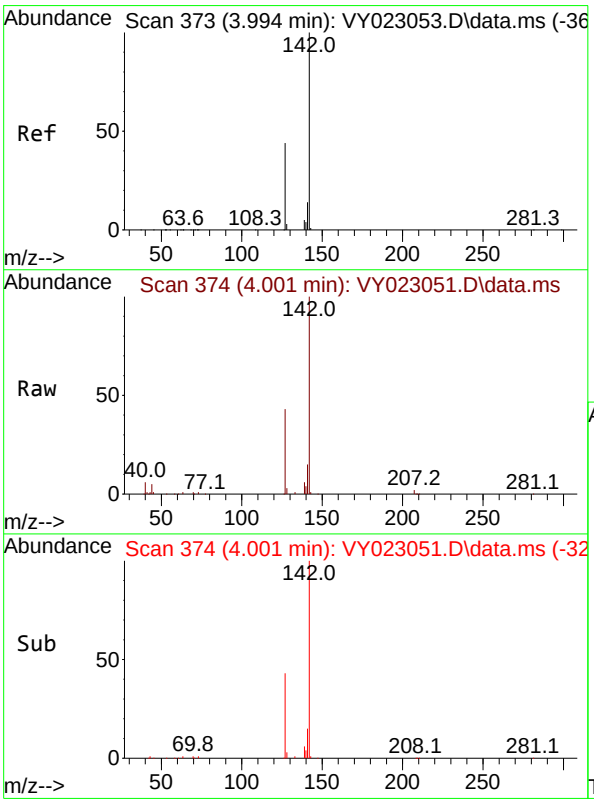
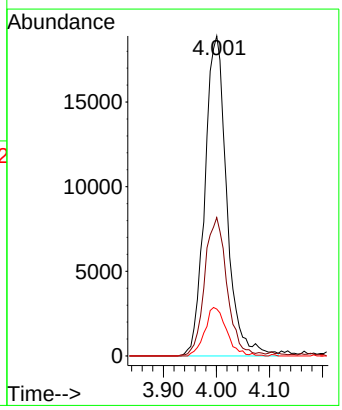
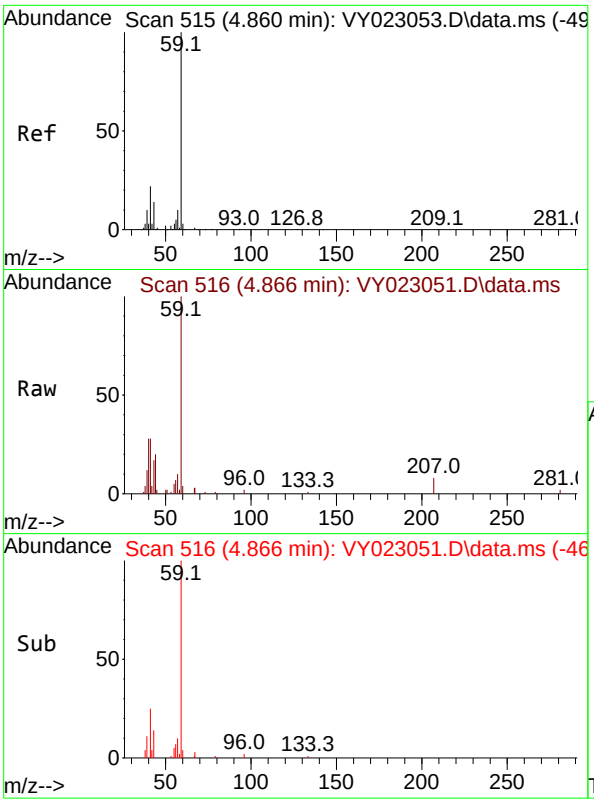


#10
Methyl Iodide
Concen: 9.287 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:142 Resp: 54184

Ion	Ratio	Lower	Upper
142	100		
127	44.3	34.9	52.3
141	14.9	11.3	16.9

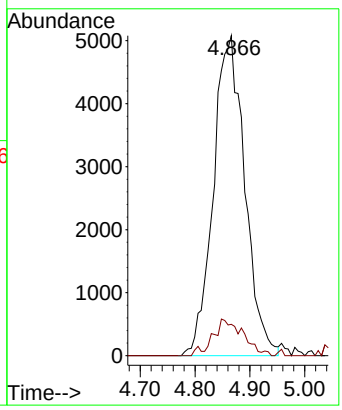




#11
Tert butyl alcohol
Concen: 56.119 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 59 Resp: 2021

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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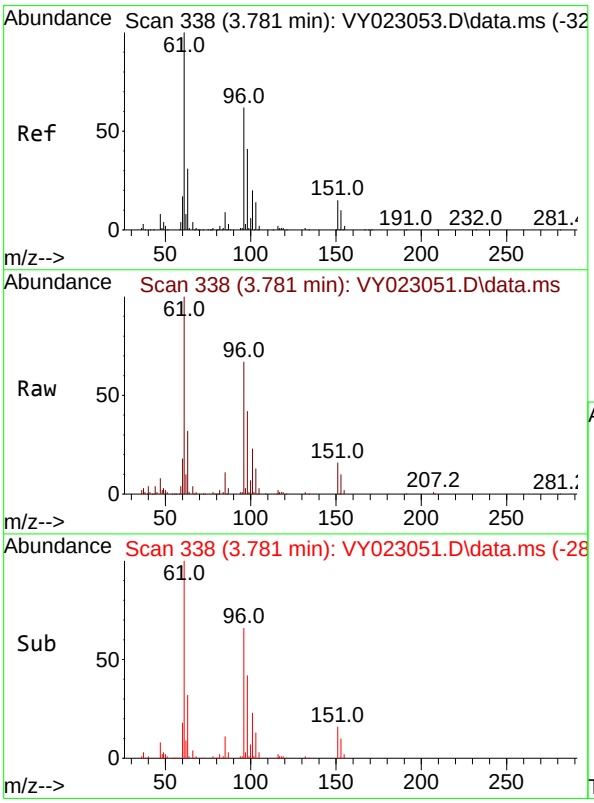
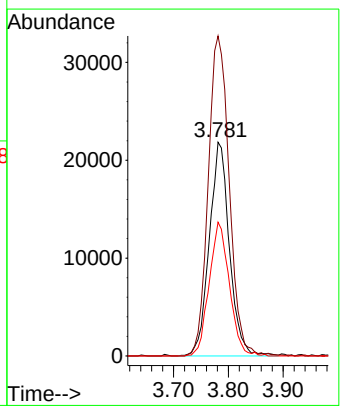
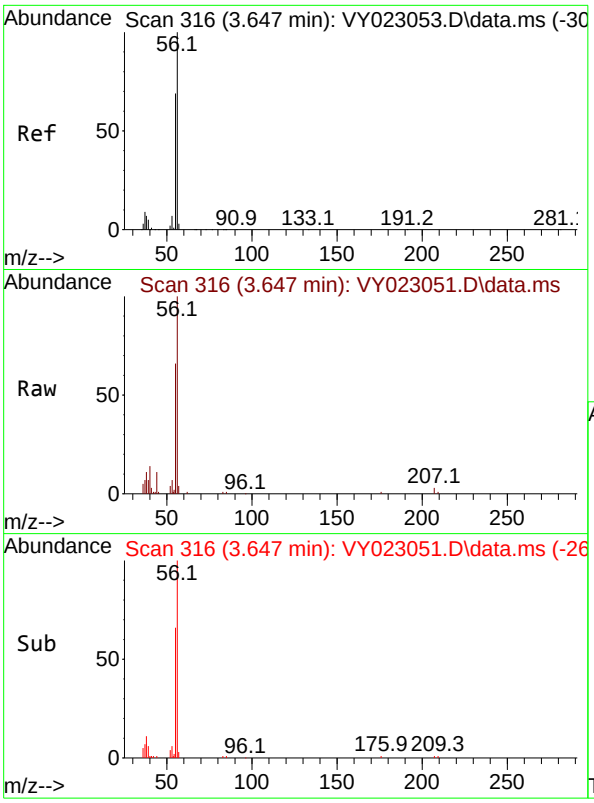


#12
1,1-Dichloroethene
Concen: 10.475 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 96 Resp: 55669

Ion	Ratio	Lower	Upper
96	100		
61	149.7	129.4	194.2
98	62.6	52.8	79.2





#13
Acrolein
Concen: 57.030 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 56 Resp: 3008

Ion	Ratio	Lower	Upper
56	100		
55	71.2	55.2	82.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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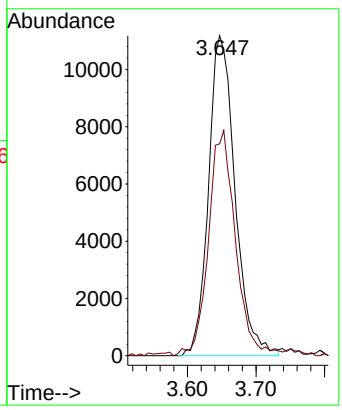
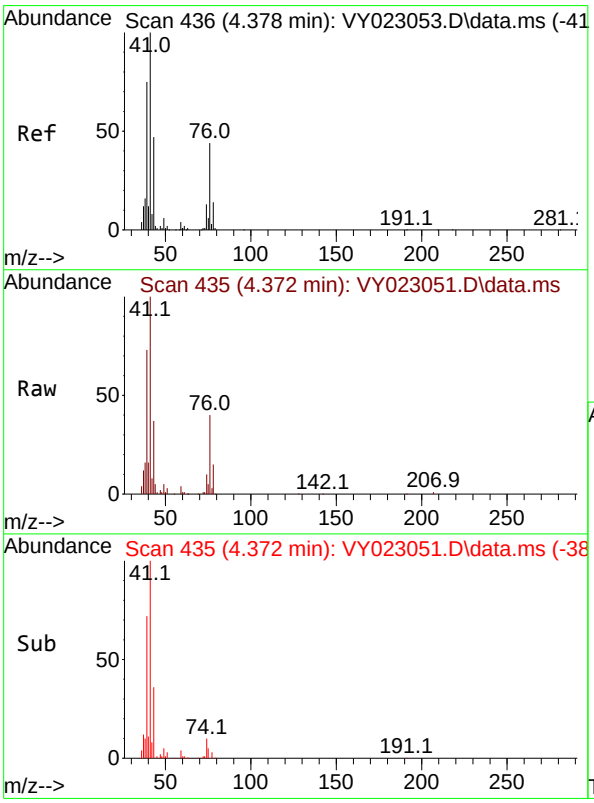
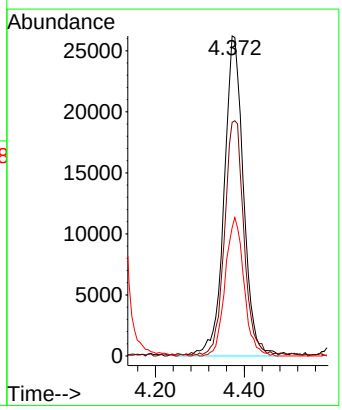


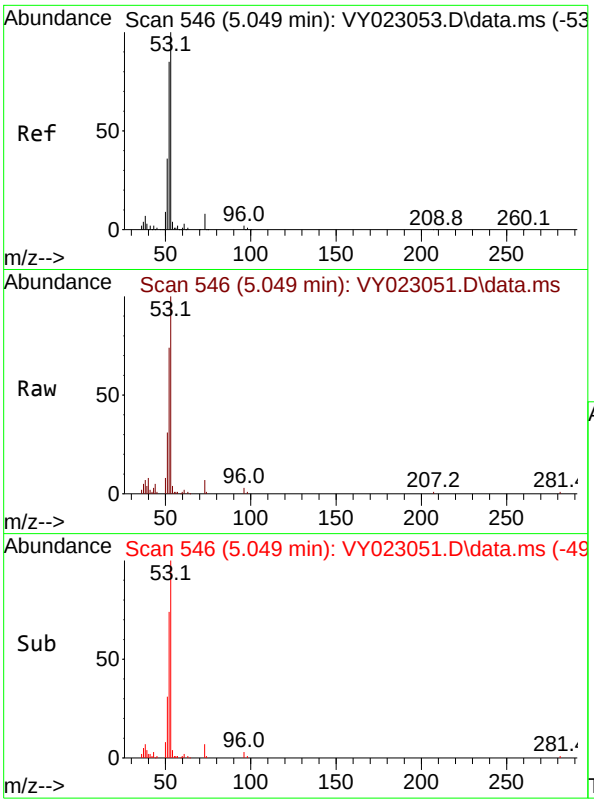


#14
Allyl chloride
Concen: 10.121 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 79145

Ion	Ratio	Lower	Upper
41	100		
39	72.7	59.8	89.6
76	41.9	33.7	50.5

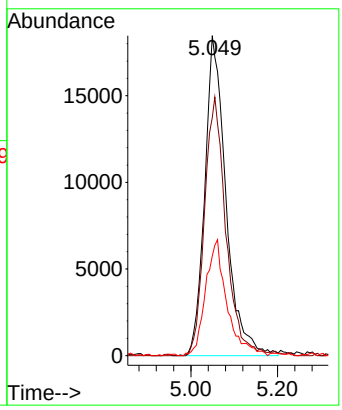




#15
Acrylonitrile
Concen: 53.349 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 53 Resp: 6288

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.3	97.9
51	36.5	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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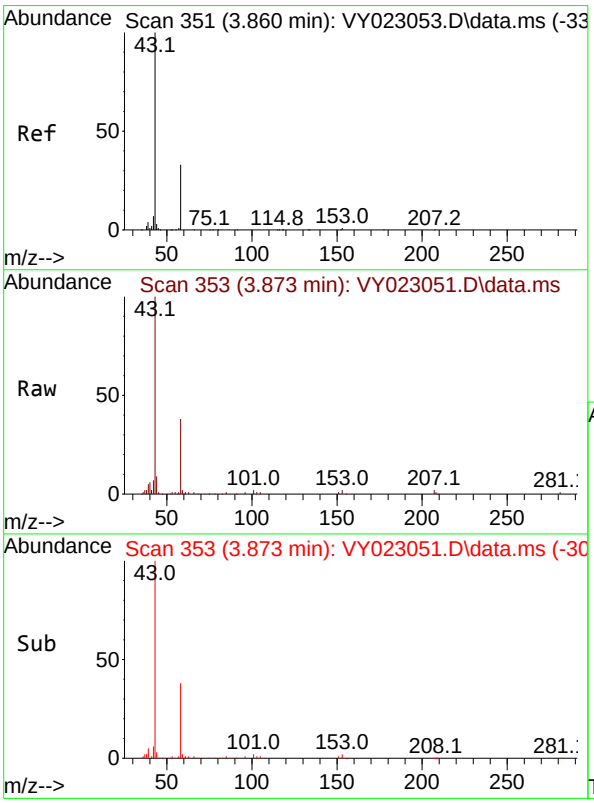
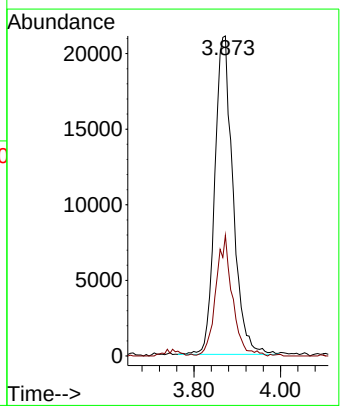
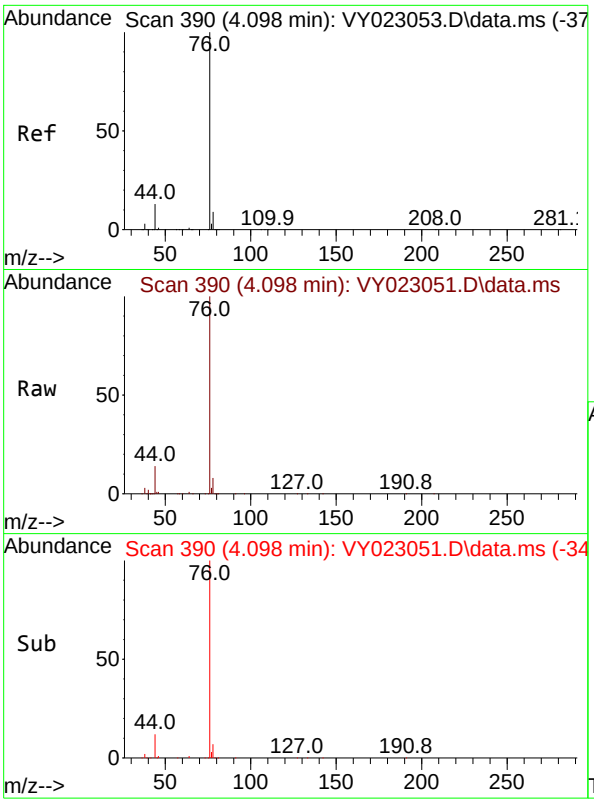


#16
Acetone
Concen: 53.821 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 61290

Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.1	40.7

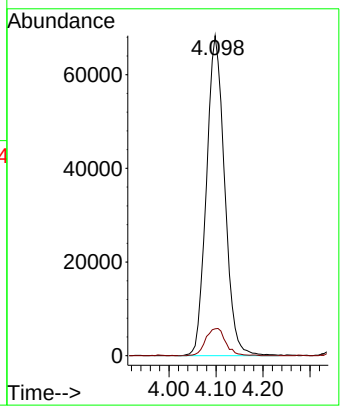




#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 76 Resp: 18339

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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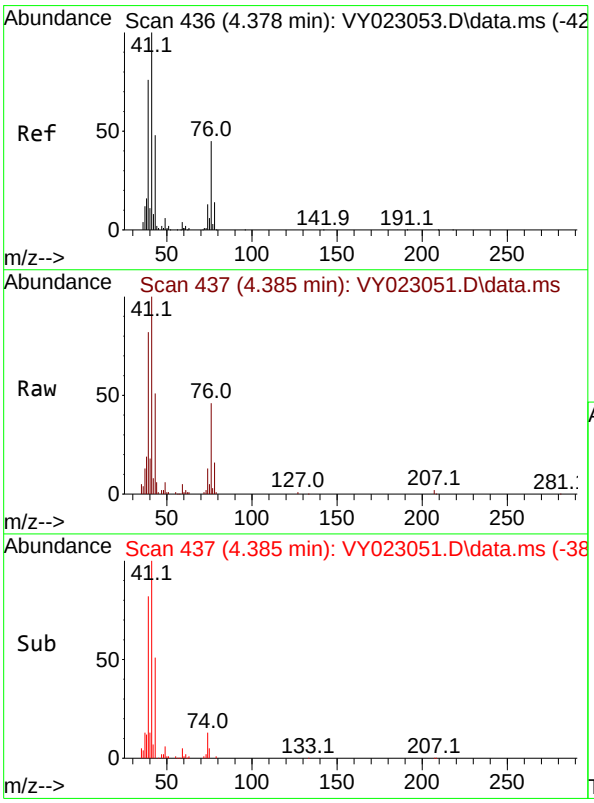
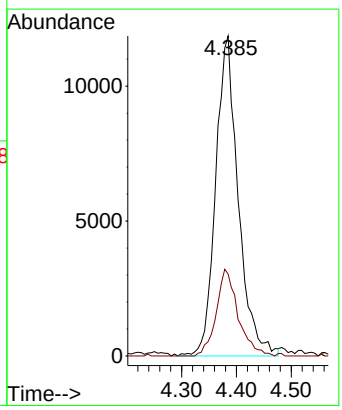
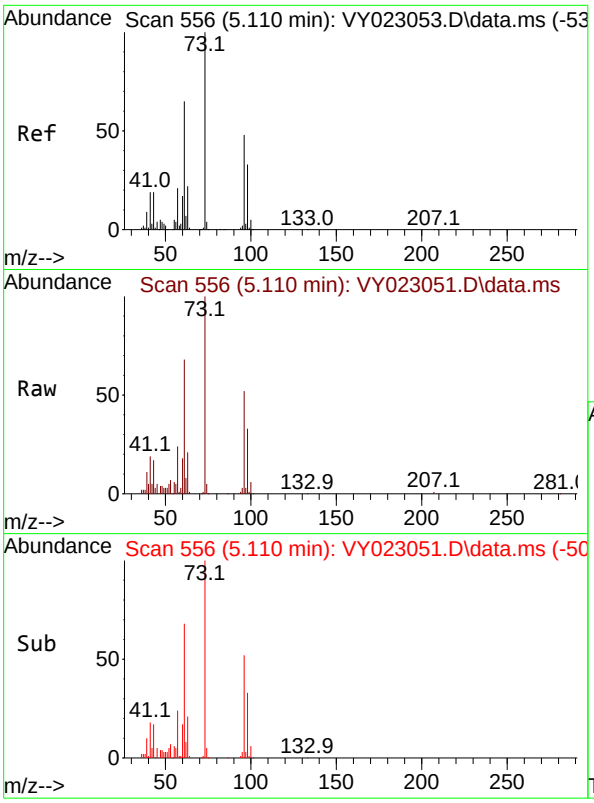


#18
Methyl Acetate
Concen: 10.032 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 33996

Ion	Ratio	Lower	Upper
43	100		
74	26.2	21.2	31.8

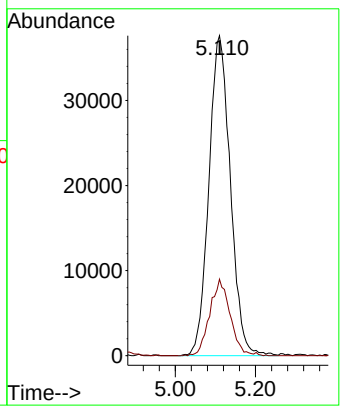




#19
Methyl tert-butyl Ether
Concen: 10.153 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 73 Resp: 13982

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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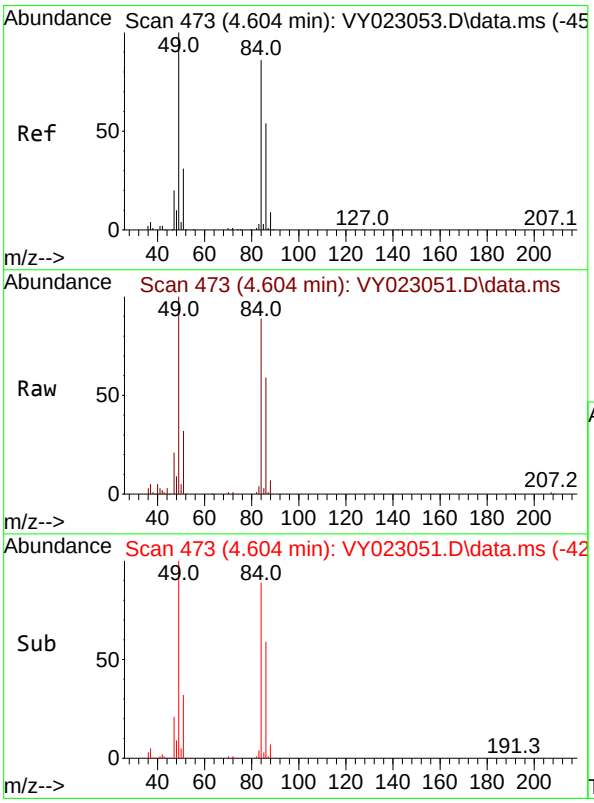
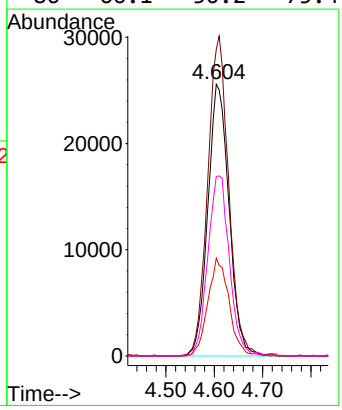
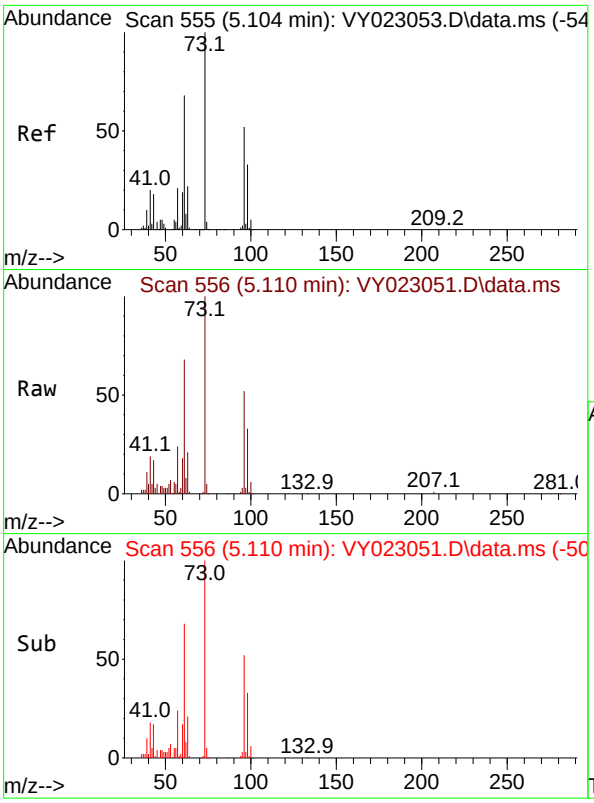


#20
Methylene Chloride
Concen: 11.095 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 84 Resp: 77920

Ion	Ratio	Lower	Upper
84	100		
49	112.8	93.0	139.6
51	36.1	29.0	43.4
86	66.1	50.2	75.4

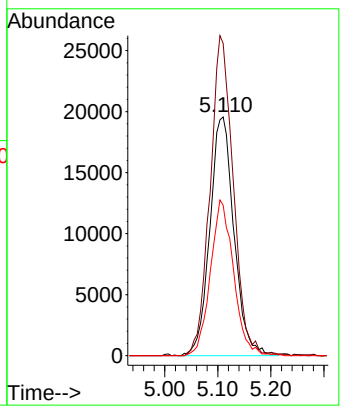




#21
trans-1,2-Dichloroethene
Concen: 10.352 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 96 Resp: 6182

Ion	Ratio	Lower	Upper
96	100		
61	130.8	104.8	157.2
98	63.0	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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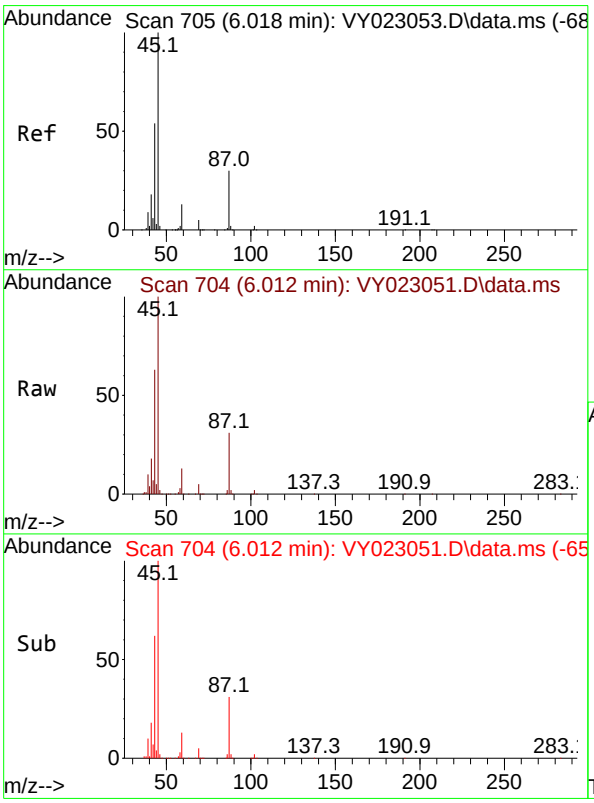
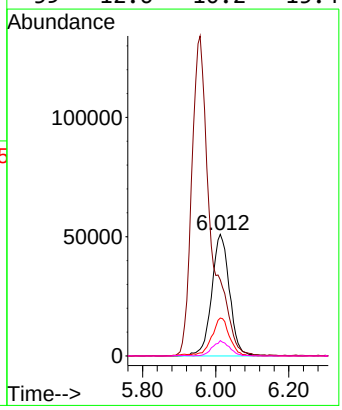
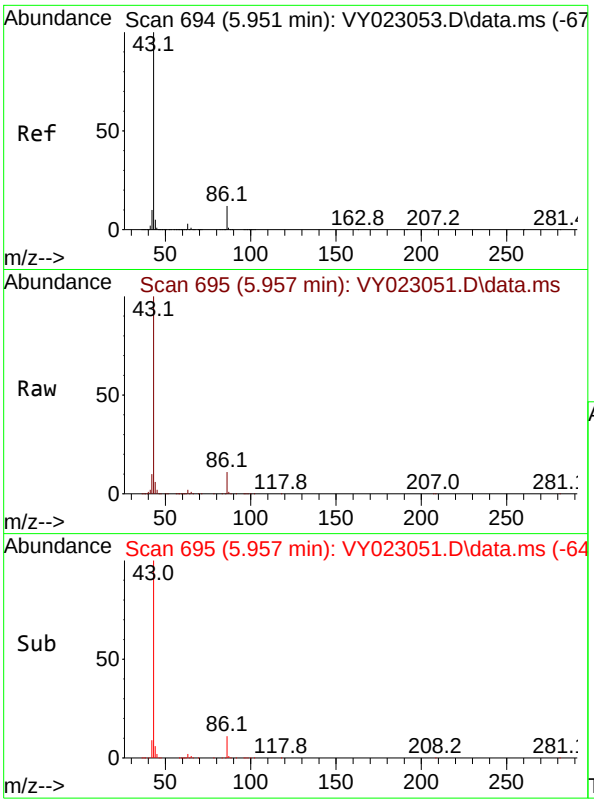


#22
Diisopropyl ether
Concen: 10.157 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 45 Resp: 172602

Ion	Ratio	Lower	Upper
45	100		
43	62.2	43.4	65.0
87	31.2	24.4	36.6
59	12.6	10.2	15.4

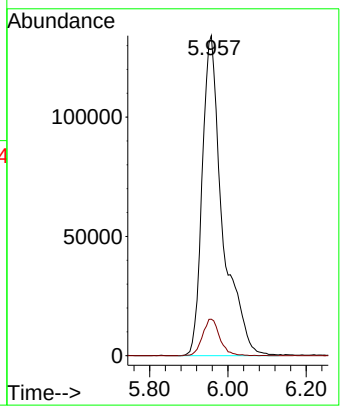




#23
Vinyl Acetate
Concen: 51.372 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 48271

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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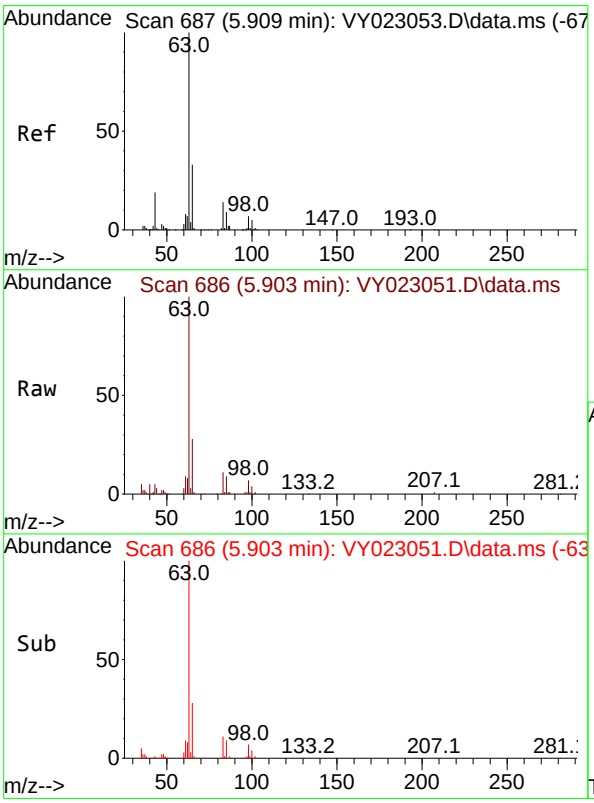
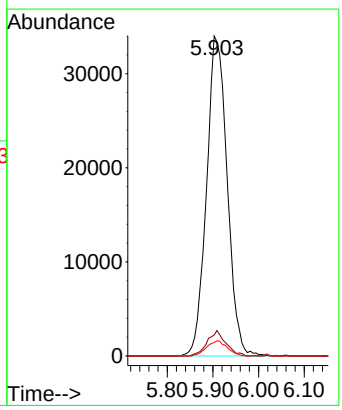
Supervised By :Semsettin Yesilyurt 08/14/2025

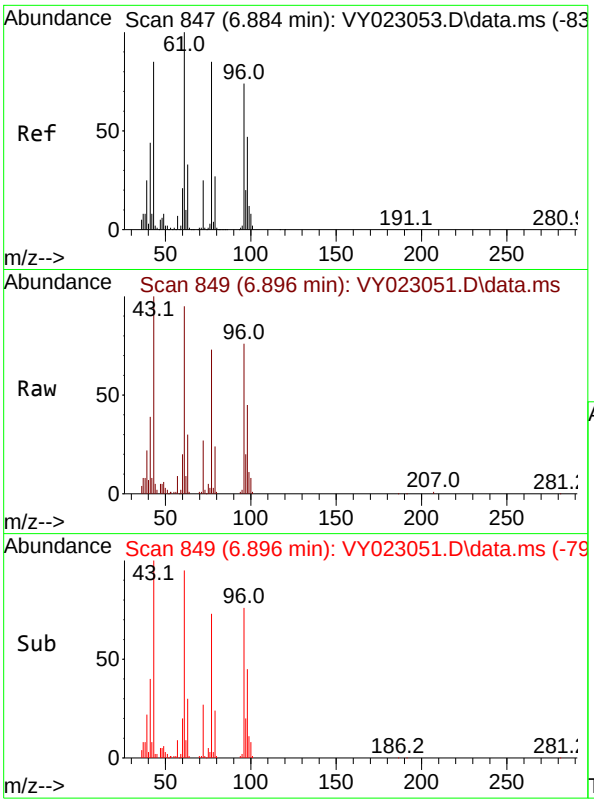


#24
1,1-Dichloroethane
Concen: 10.282 ug/l
RT: 5.903 min Scan# 686
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 106831

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	4.2	2.4	7.1





#25
2-Butanone
Concen: 54.187 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 8392

Ion	Ratio	Lower	Upper
43	100		
72	27.3	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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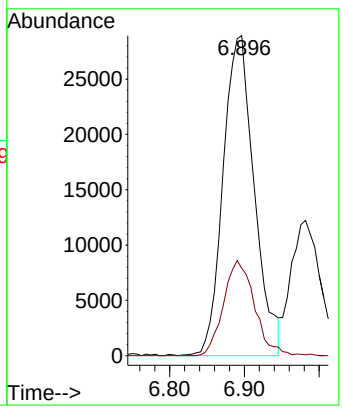
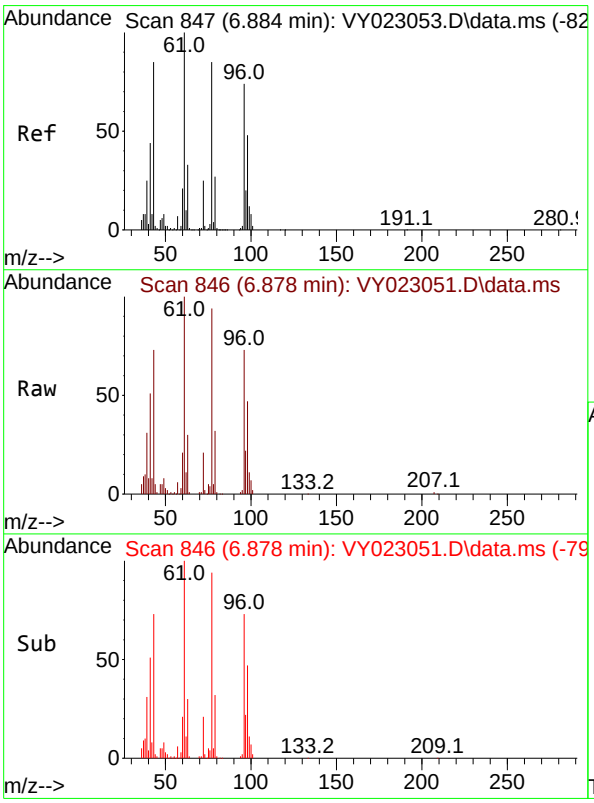
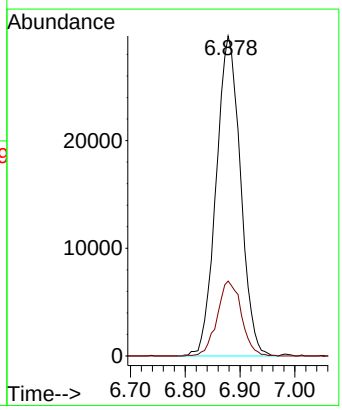


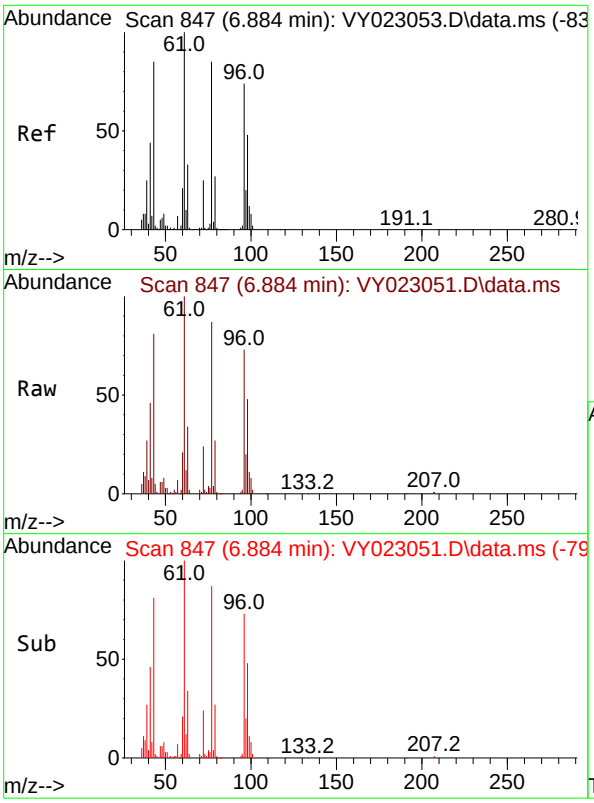


#26
2,2-Dichloropropane
Concen: 10.215 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 77 Resp: 91579

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.8

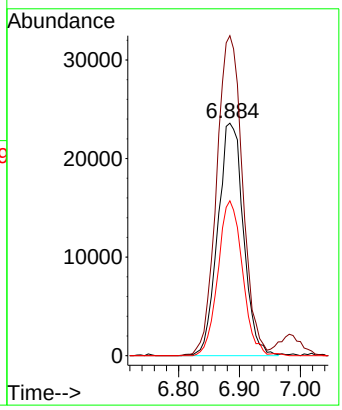




#27
cis-1,2-Dichloroethene
Concen: 9.970 ug/l
RT: 6.884 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 96 Resp: 6883

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	278.6
98	63.6	0.0	130.4



Instrument :
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ClientSampleId :
VSTDICC010

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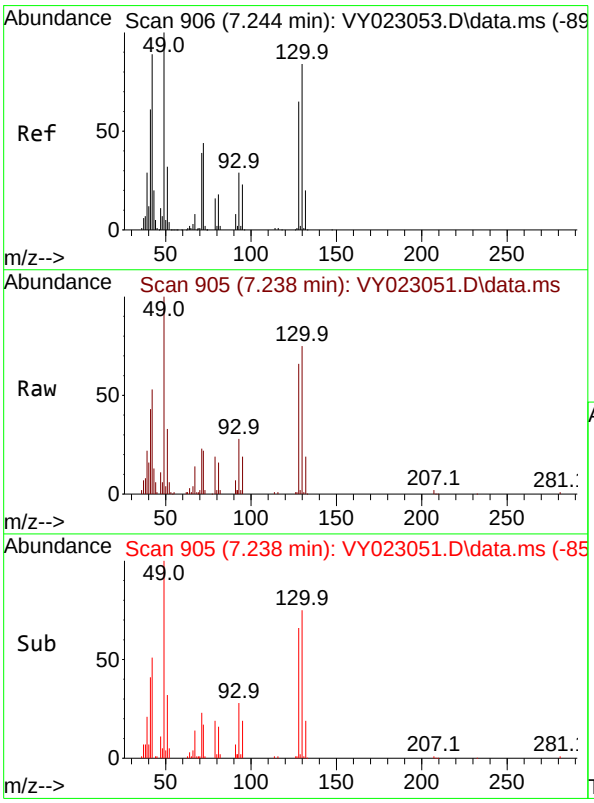
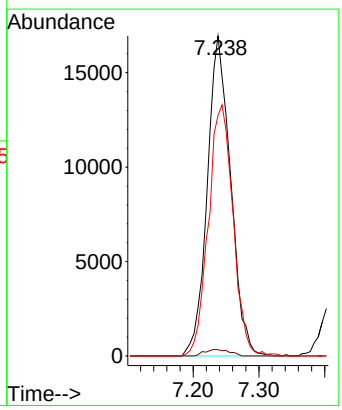
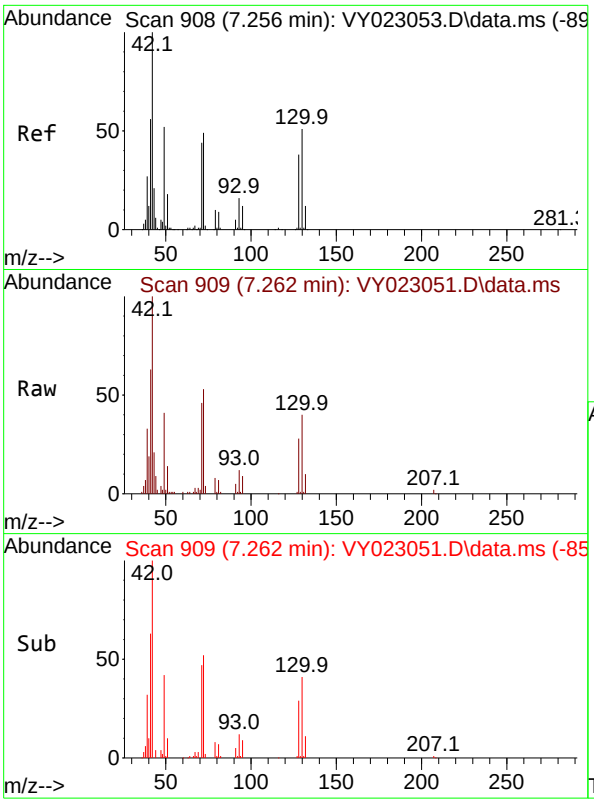


#28
Bromochloromethane
Concen: 10.146 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 49 Resp: 41820

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	82.8	66.4	99.6

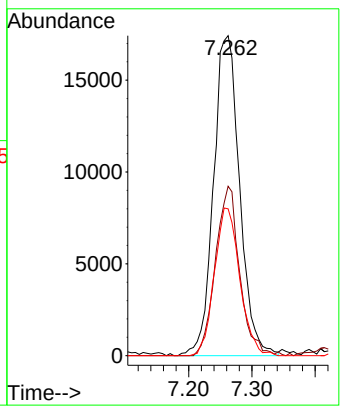




#29
Tetrahydrofuran
Concen: 52.005 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 42 Resp: 4992(

Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.4	59.2
71	44.8	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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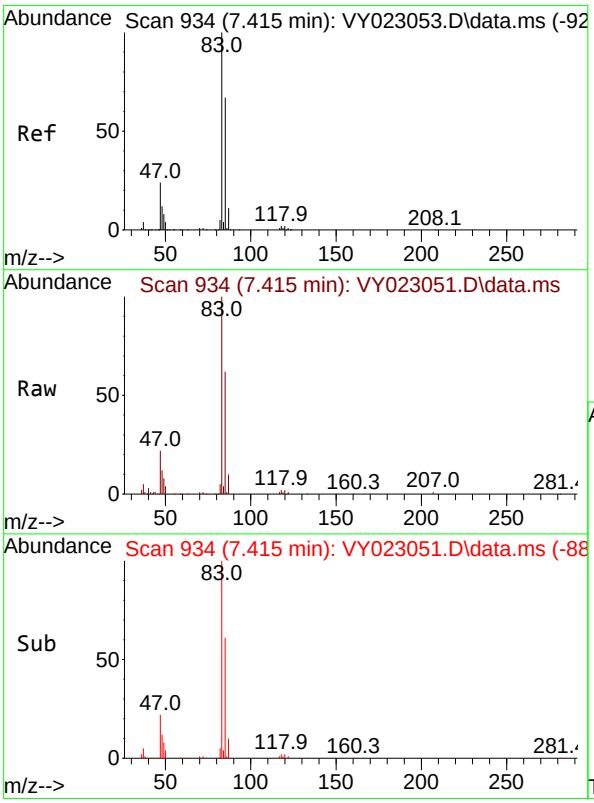
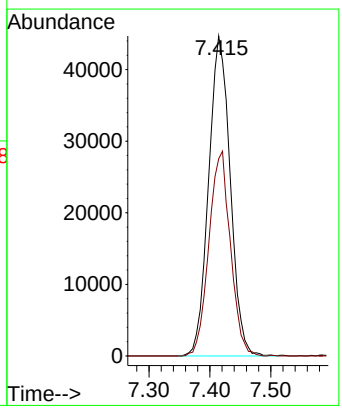
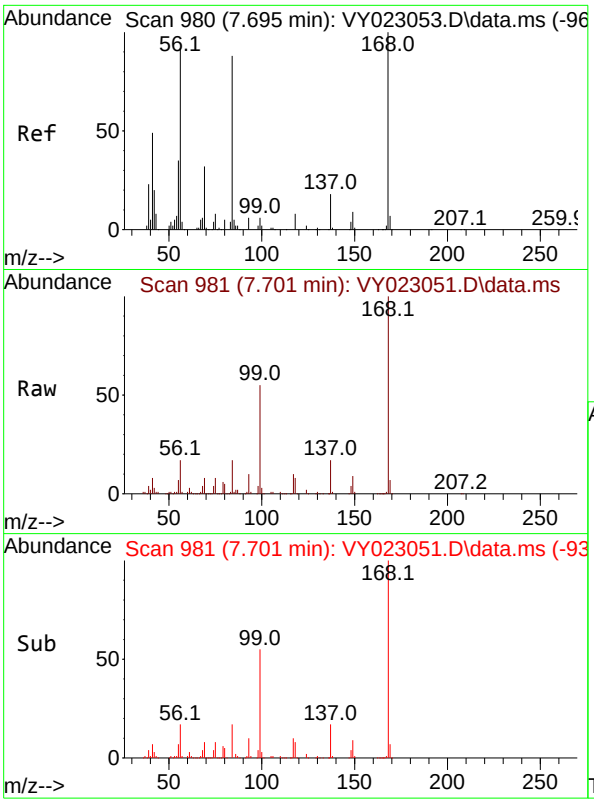


#30
Chloroform
Concen: 10.260 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 83 Resp: 109942

Ion	Ratio	Lower	Upper
83	100		
85	61.6	53.8	80.8





#31
Cyclohexane
Concen: 10.527 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 56 Resp: 10306

Ion	Ratio	Lower	Upper
56	100		
69	50.2	28.2	42.2
84	101.8	76.6	114.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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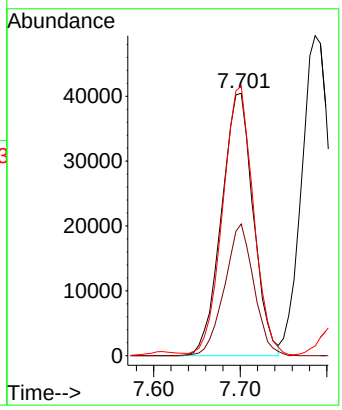
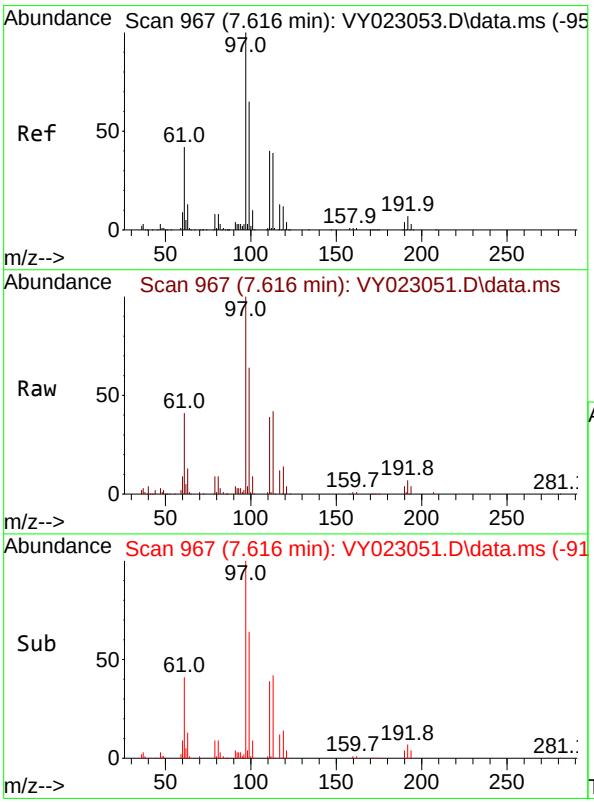
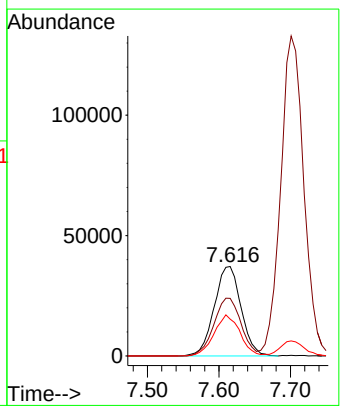


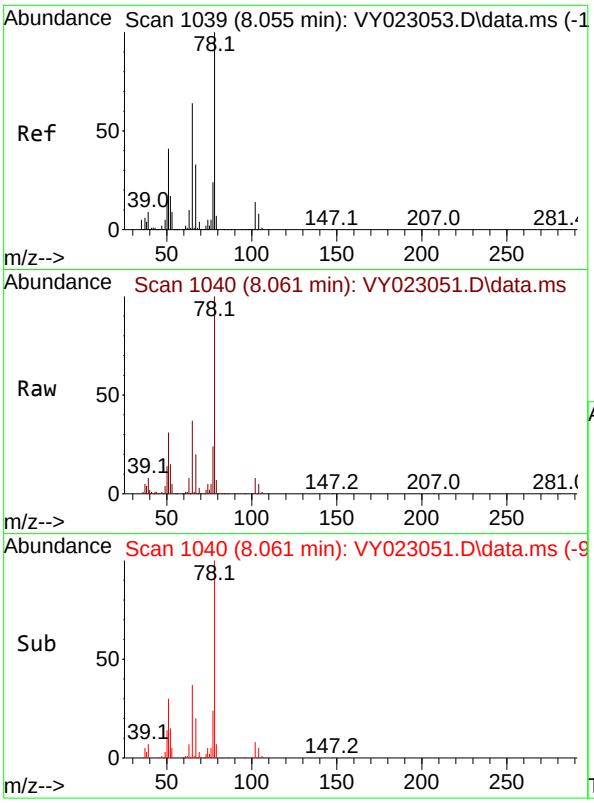


#32
1,1,1-Trichloroethane
Concen: 10.170 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 97 Resp: 96693

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	44.2	34.2	51.2

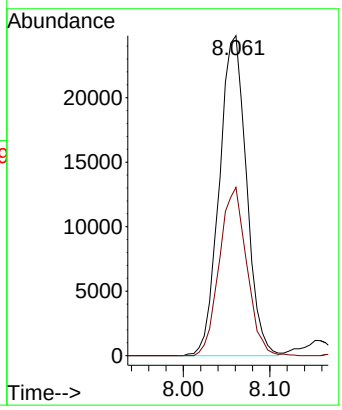




#33
1,2-Dichloroethane-d4
Concen: 10.274 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 65 Resp: 5400

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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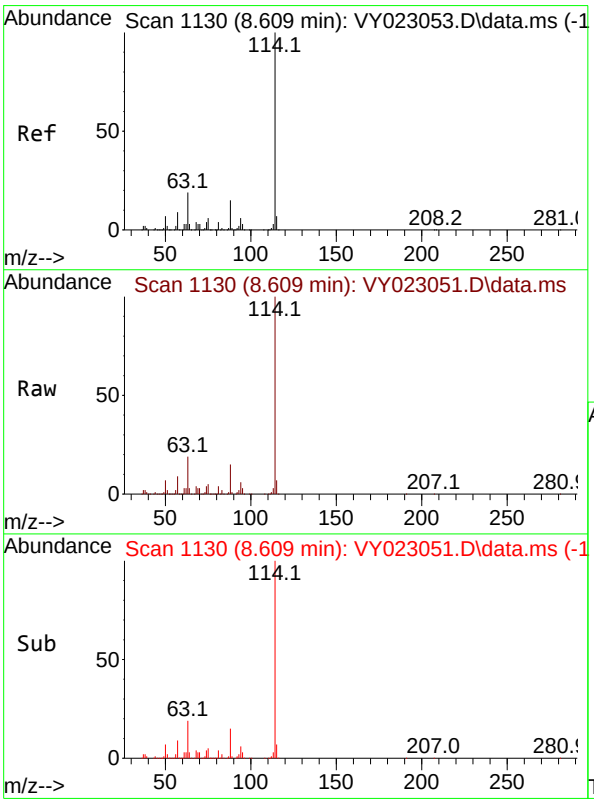
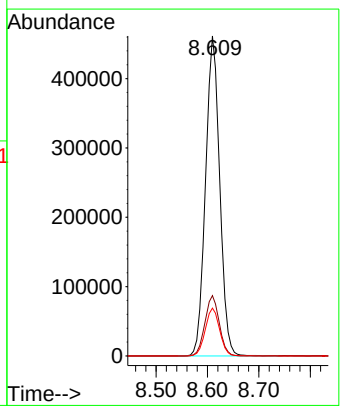
Supervised By :Semsettin Yesilyurt 08/14/2025

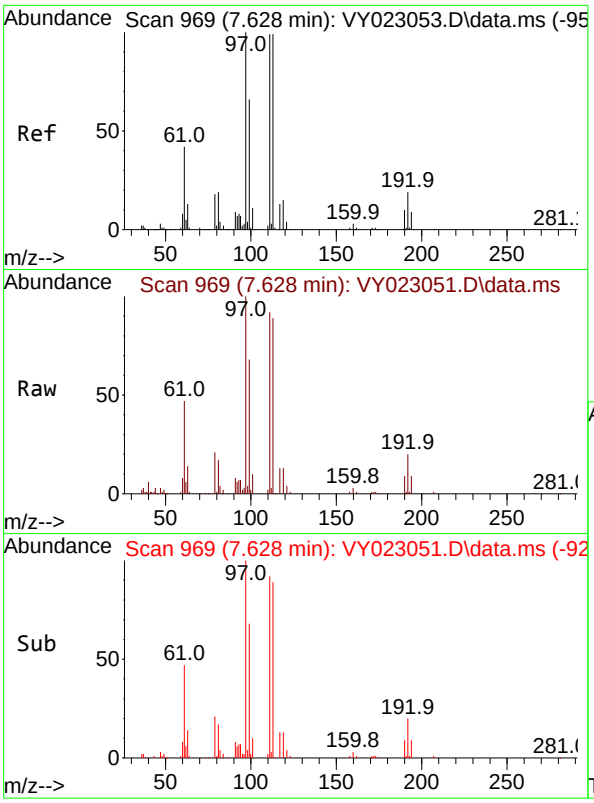


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:114 Resp: 883548

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	14.9	0.0	30.0





#35
Dibromofluoromethane
Concen: 10.009 ug/l
RT: 7.628 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:113 Resp: 5291(

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	20.5	16.2	24.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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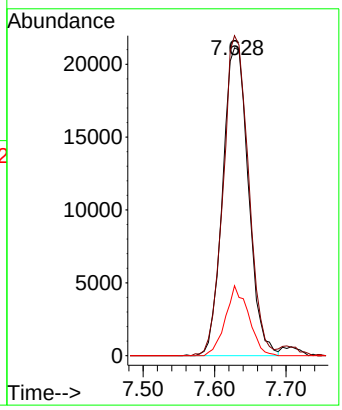
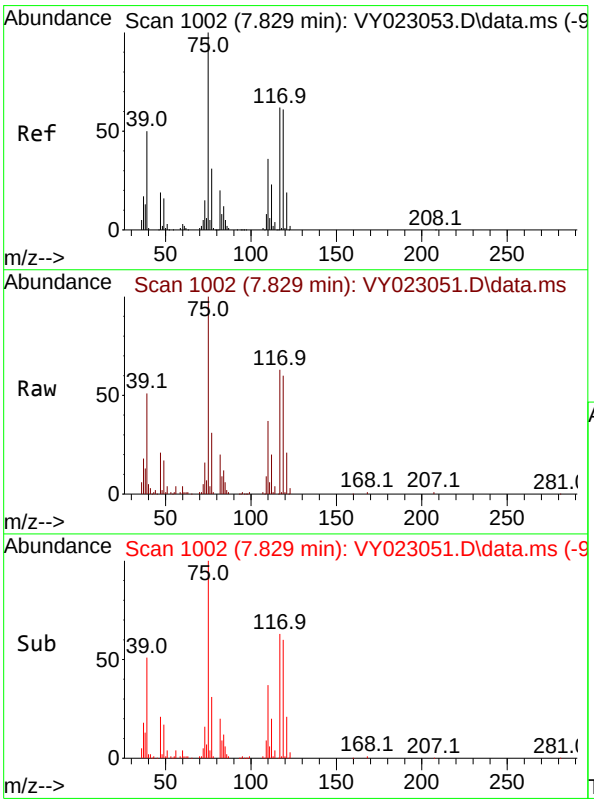
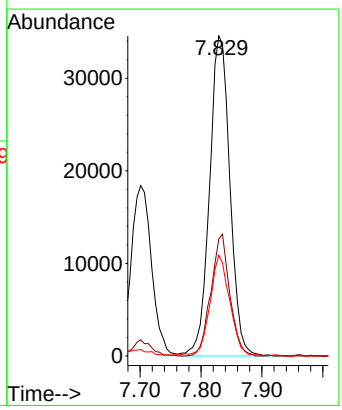


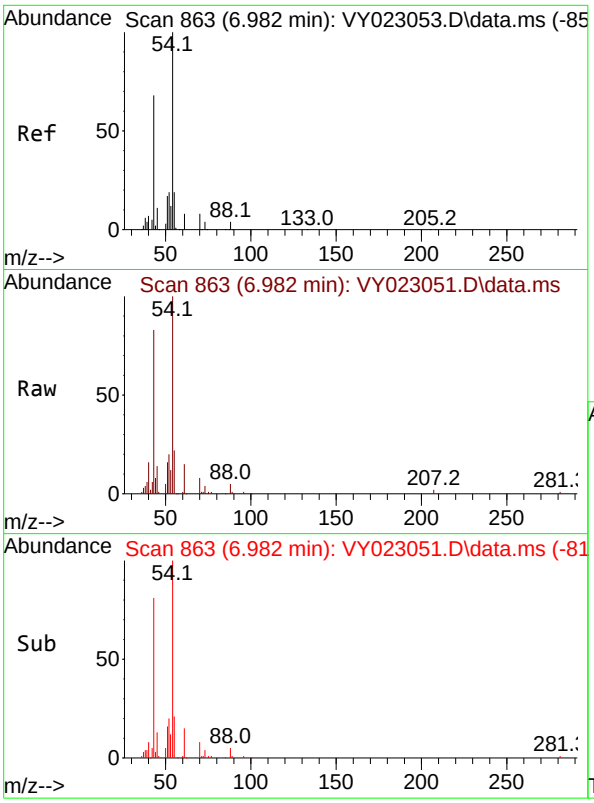


#36
1,1-Dichloropropene
Concen: 10.243 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 80479

Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.4
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 10.560 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 3485

Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.9	17.9
70	11.7	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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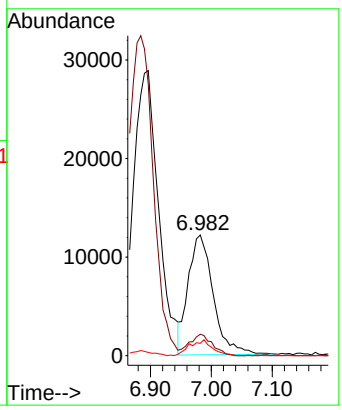
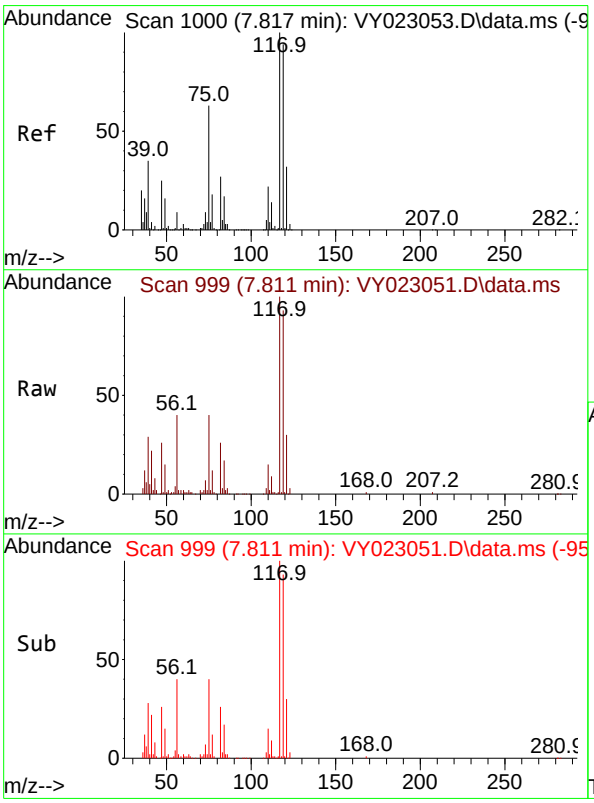
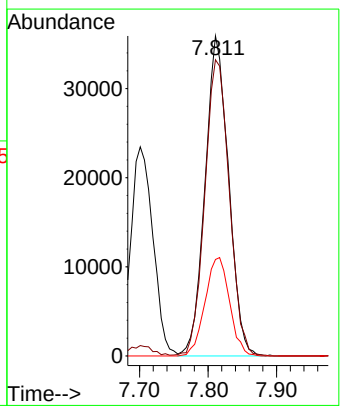


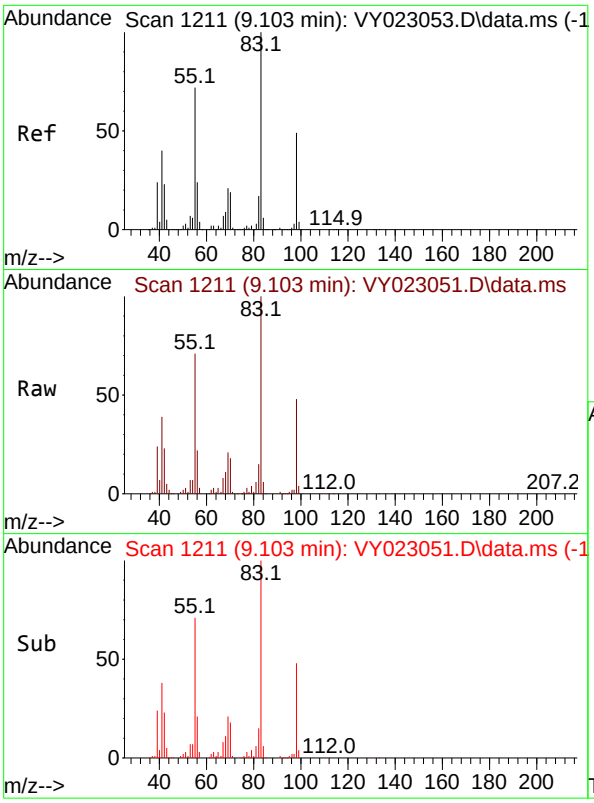


#38
Carbon Tetrachloride
Concen: 10.070 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:117 Resp: 85932

Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.6	113.4
121	30.1	25.8	38.8





#39
Methylcyclohexane
Concen: 9.885 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 83 Resp: 10227

Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.6	86.4
98	48.2	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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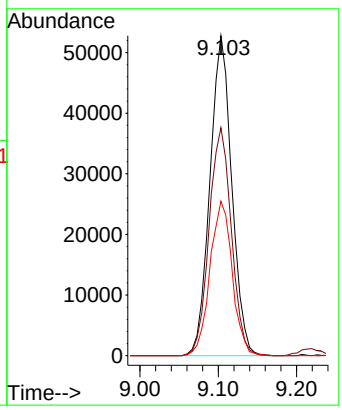
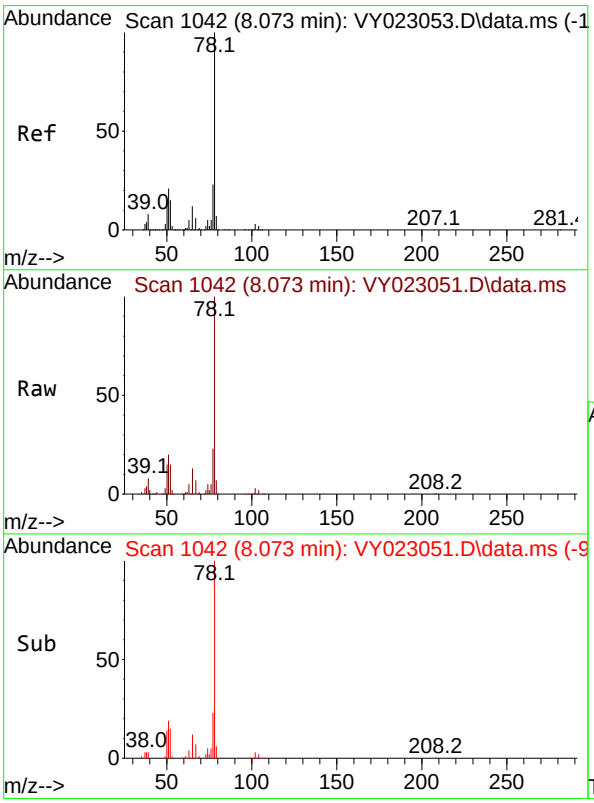
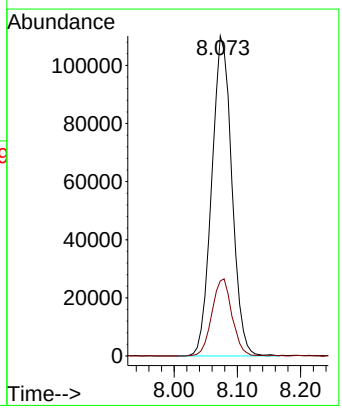


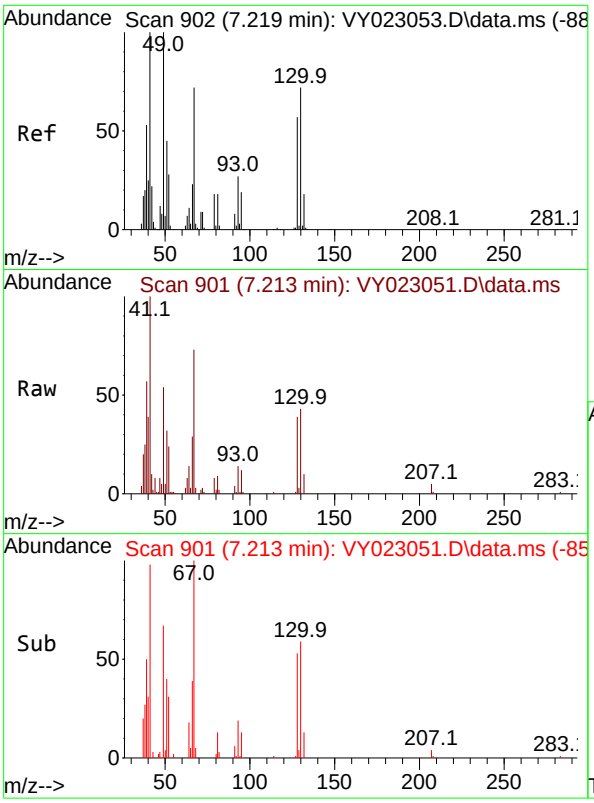


#40
Benzene
Concen: 10.037 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 78 Resp: 243060

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0

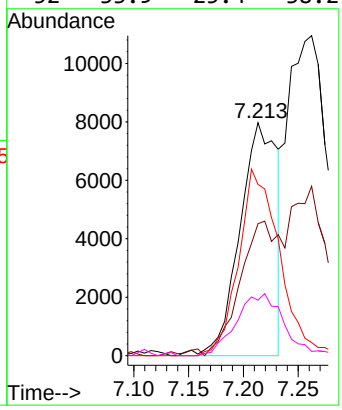




#41
Methacrylonitrile
Concen: 9.872 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 1882

Ion	Ratio	Lower	Upper
41	100		
39	66.1	43.4	65.2
67	88.6	63.6	95.4
52	33.9	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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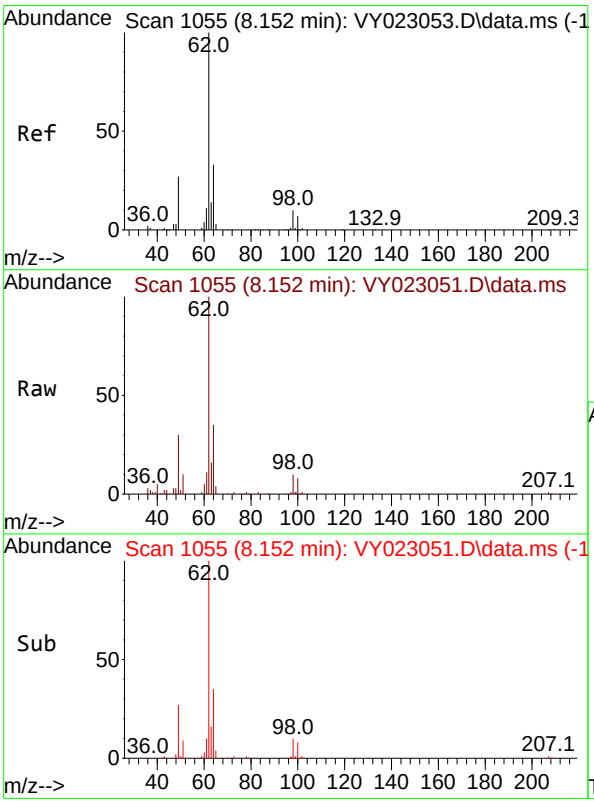
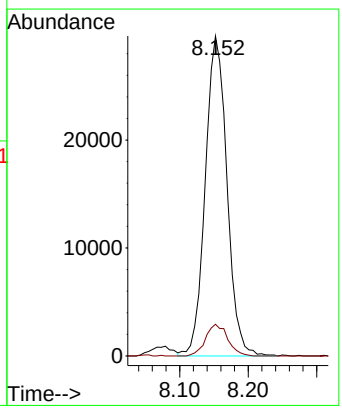
Supervised By :Semsettin Yesilyurt 08/14/2025

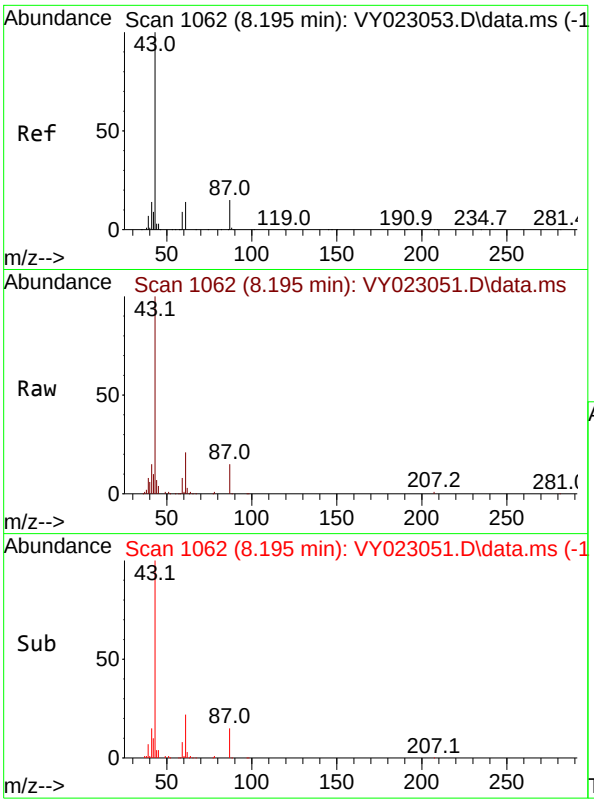


#42
1,2-Dichloroethane
Concen: 10.376 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 65350

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

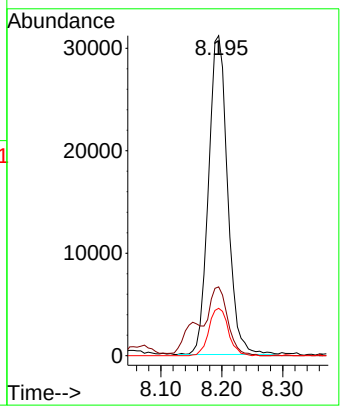




#43
Isopropyl Acetate
Concen: 10.144 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 6766

Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.4	24.6
87	15.2	11.8	17.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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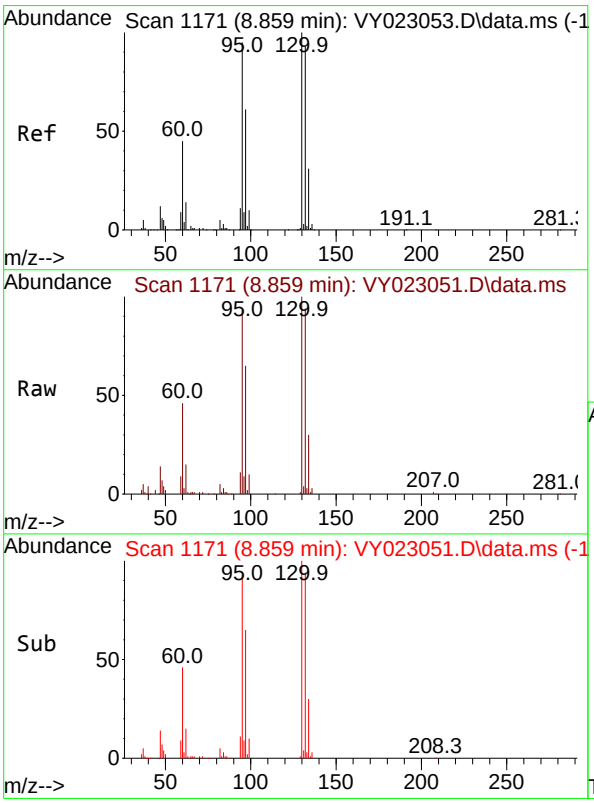
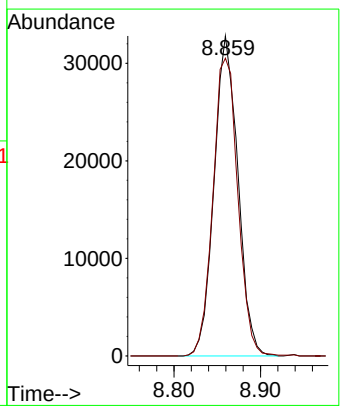
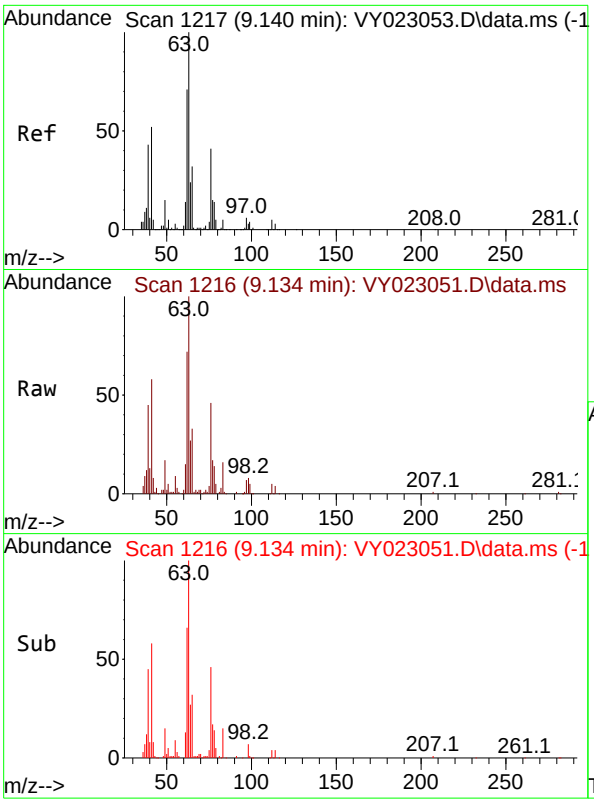


#44
Trichloroethene
Concen: 10.017 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:130 Resp: 62689

Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.2

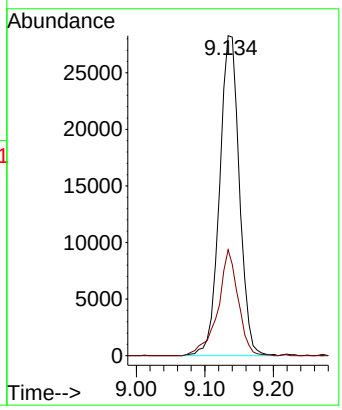




#45
1,2-Dichloropropane
Concen: 10.179 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 5672

Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.3	37.9



Instrument :
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ClientSampleId :
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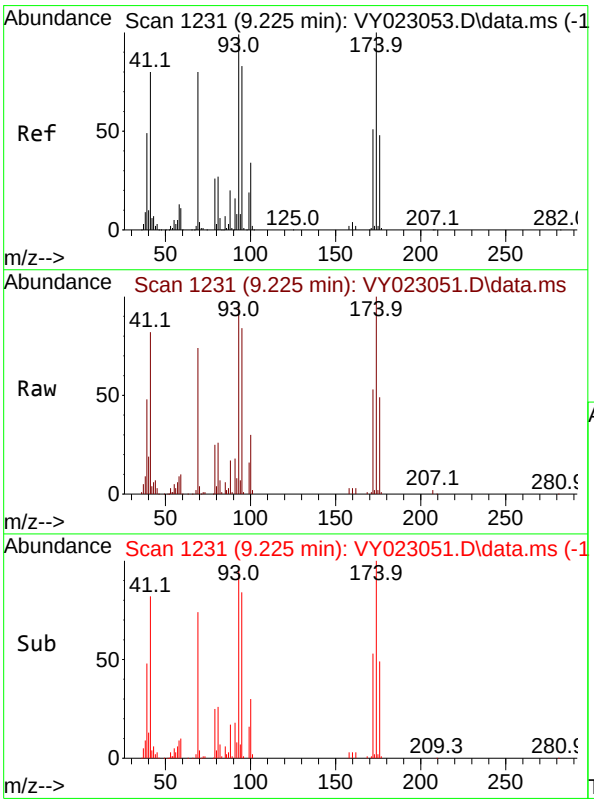
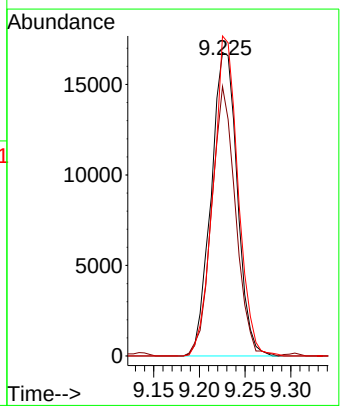
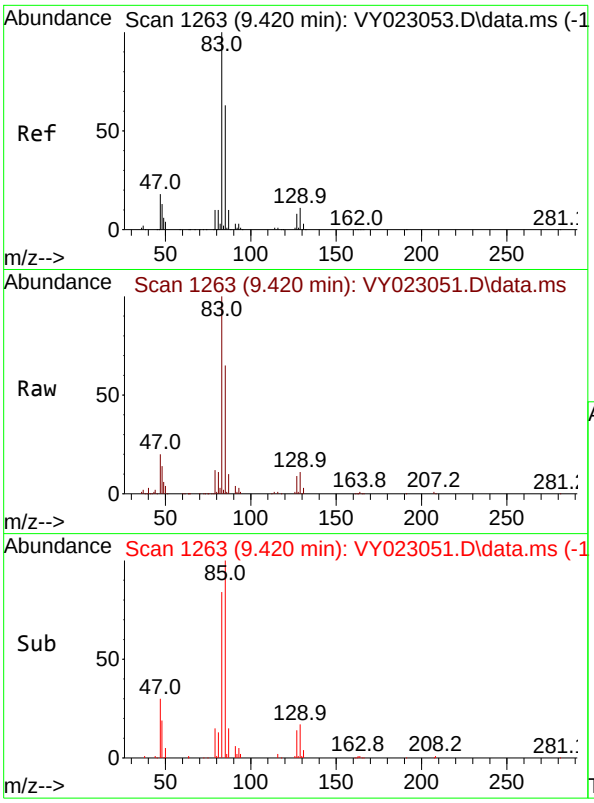


#46
Dibromomethane
Concen: 10.462 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 93 Resp: 33460

Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.5	99.7
174	100.0	81.8	122.8

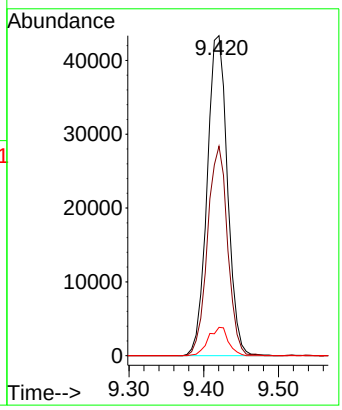




#47
Bromodichloromethane
Concen: 9.959 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 83 Resp: 8195

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.2	75.4
127	8.8	6.6	10.0



Instrument :
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ClientSampleId :
VSTDICC010

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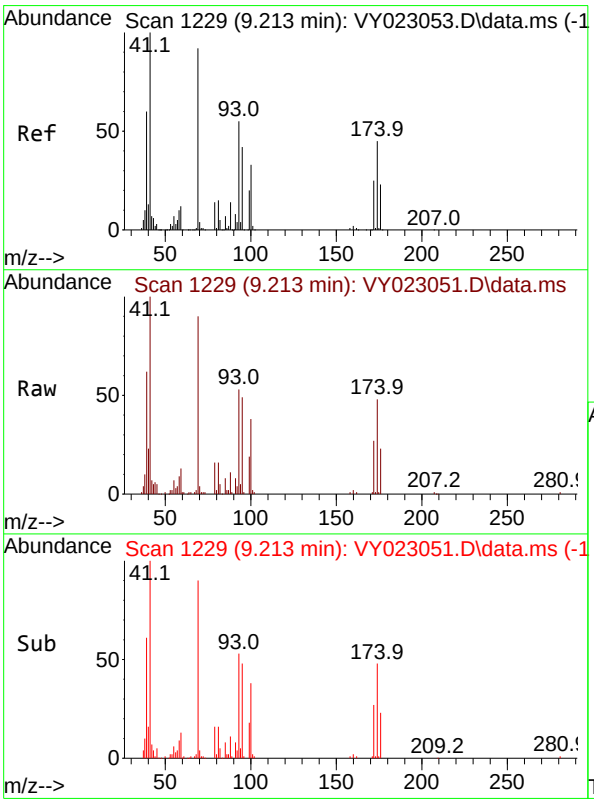
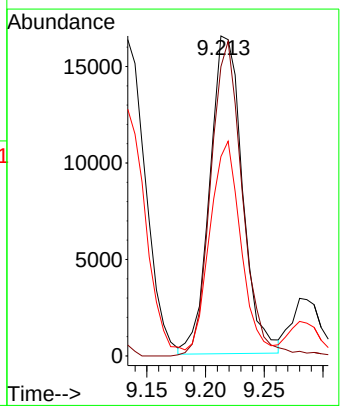
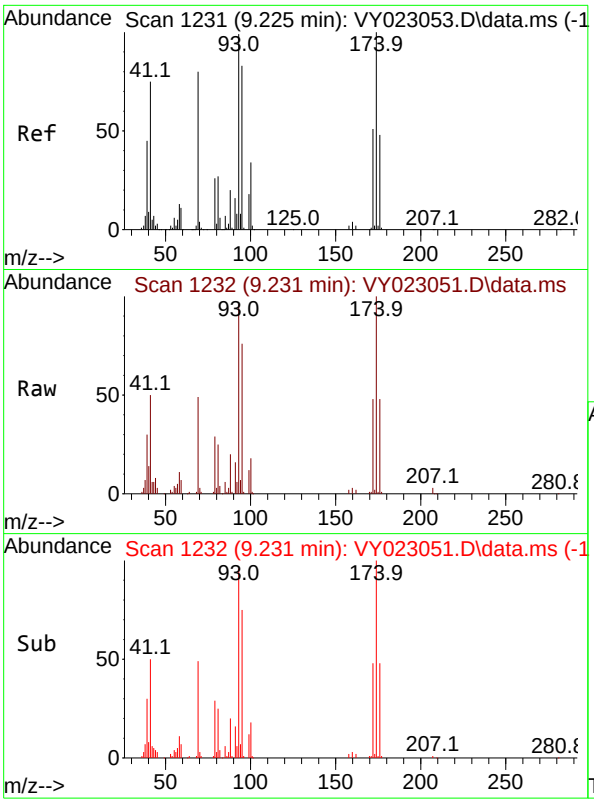


#48
Methyl methacrylate
Concen: 9.978 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 31851

Ion	Ratio	Lower	Upper
41	100		
69	96.0	73.2	109.8
39	60.9	47.0	70.4

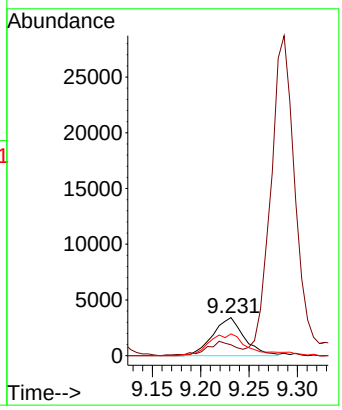




#49
1,4-Dioxane
Concen: 205.471 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 88 Resp: 770

Ion	Ratio	Lower	Upper
88	100		
43	35.3	24.3	36.5
58	73.3	55.4	83.0



Instrument :
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ClientSampleId :
VSTDICC010

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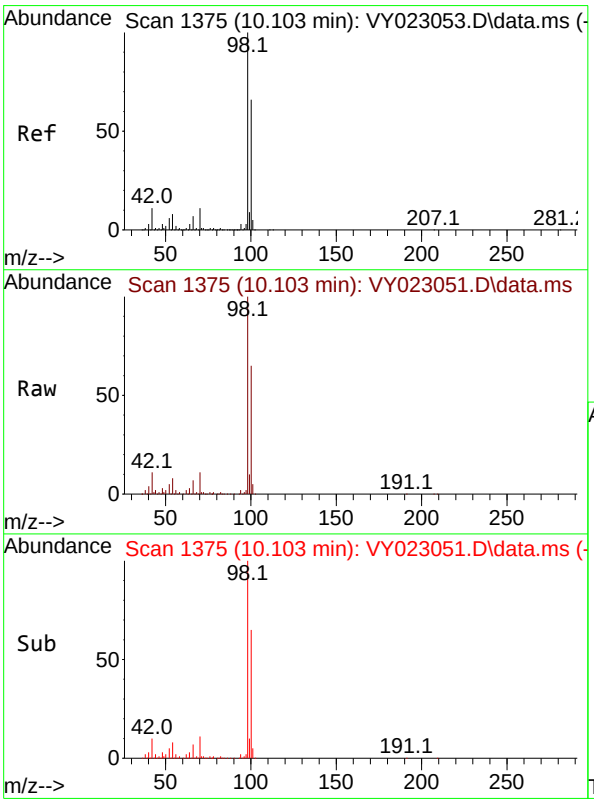
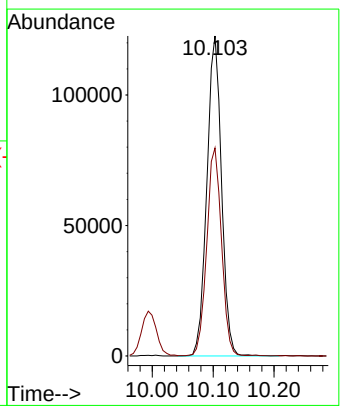
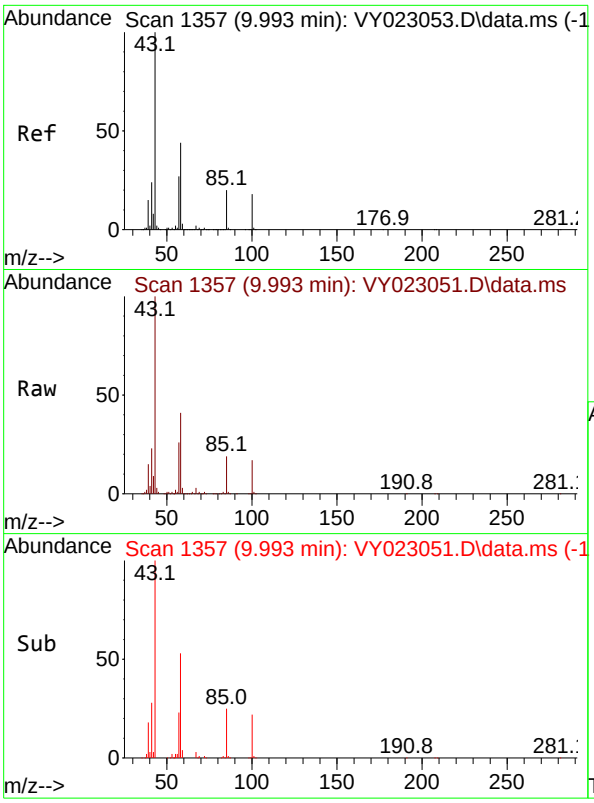


#50
Toluene-d8
Concen: 9.903 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 98 Resp: 204532

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

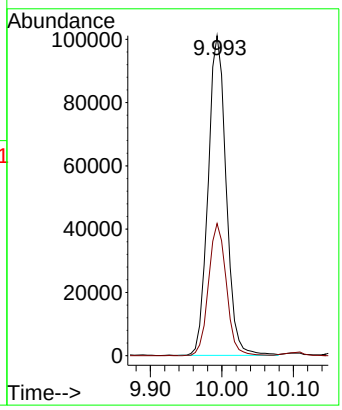




#51
4-Methyl-2-Pentanone
Concen: 51.484 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 17715

Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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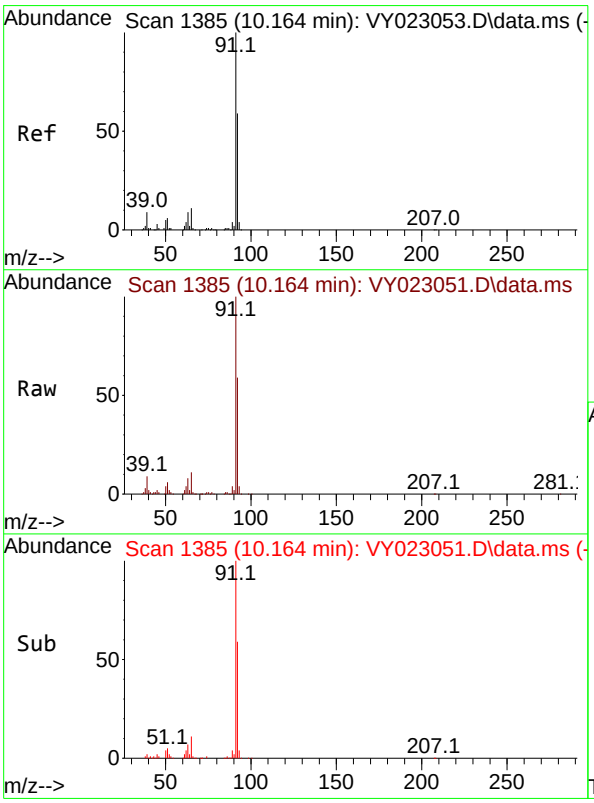
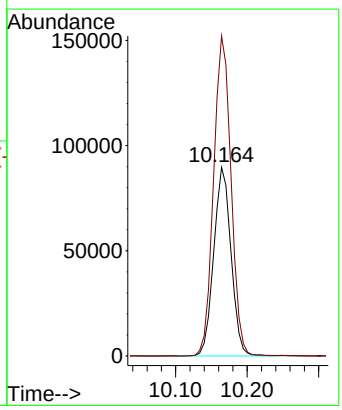
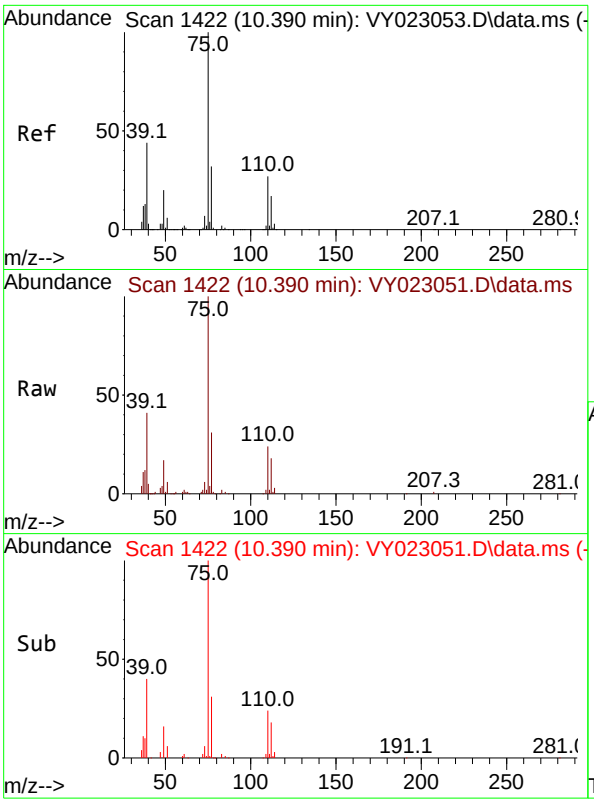


#52
Toluene
Concen: 9.780 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 92 Resp: 150422

Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.4	204.6

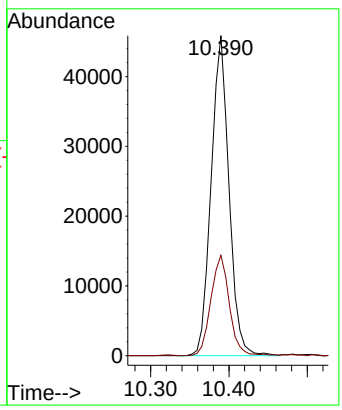




#53
t-1,3-Dichloropropene
Concen: 9.730 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 7250

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5



Instrument :
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ClientSampleId :
VSTDICC010

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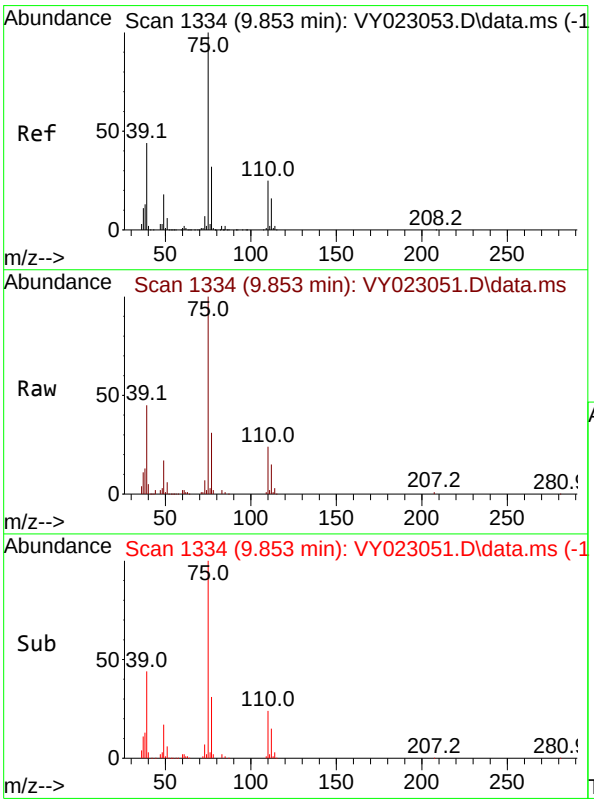
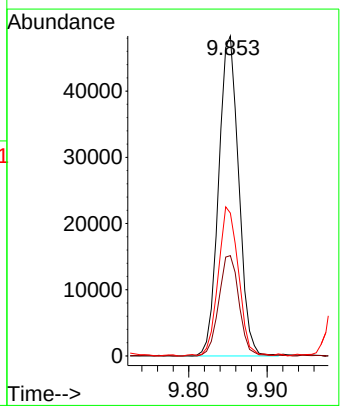
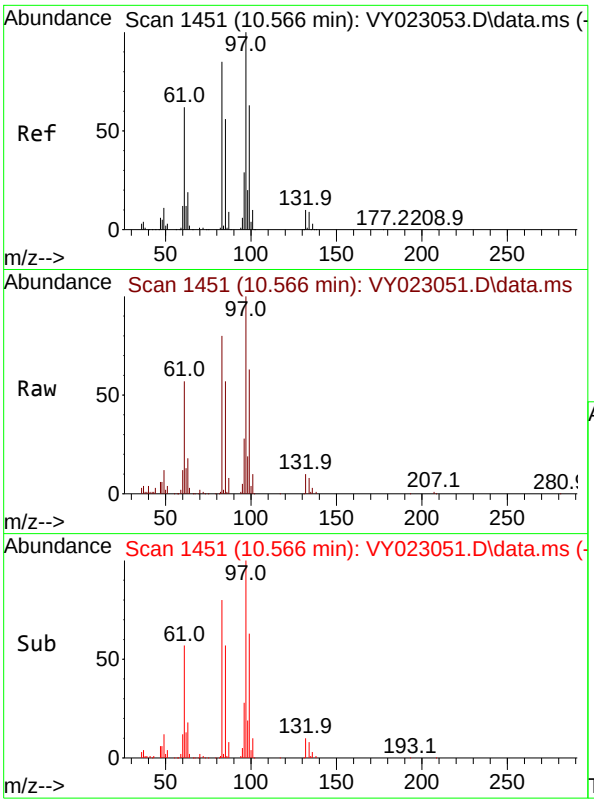


#54
cis-1,3-Dichloropropene
Concen: 9.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 85945

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	44.6	35.6	53.4

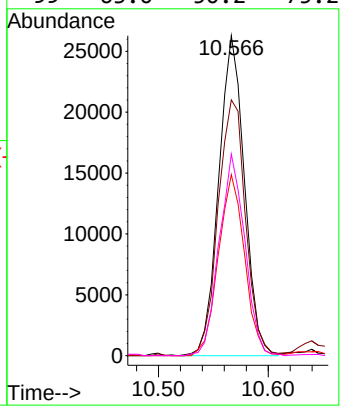




#55
1,1,2-Trichloroethane
Concen: 9.981 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 97 Resp: 4271

Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.7	101.5
85	56.6	44.5	66.7
99	63.0	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
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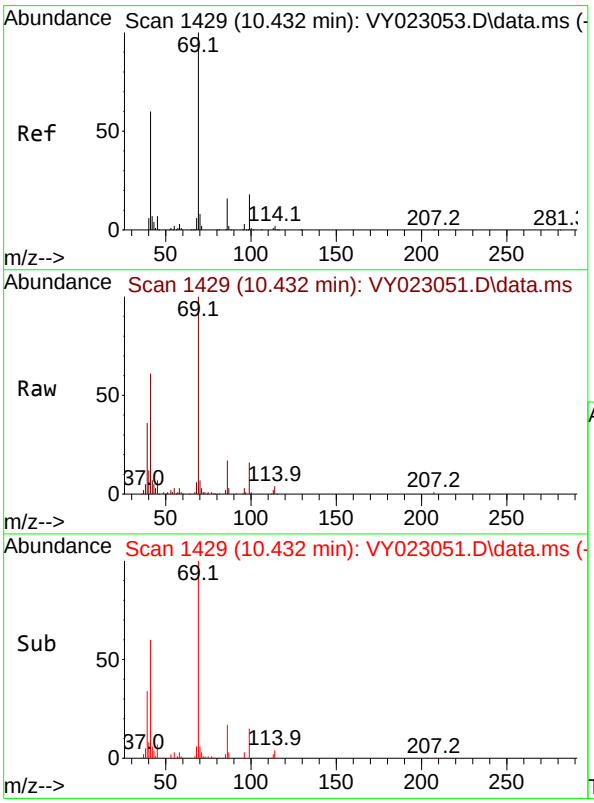
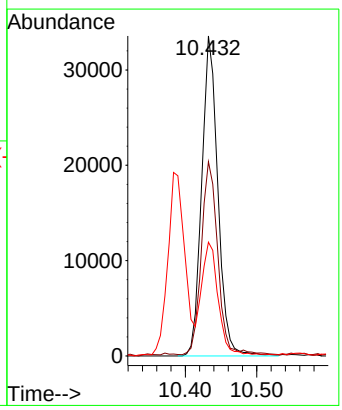
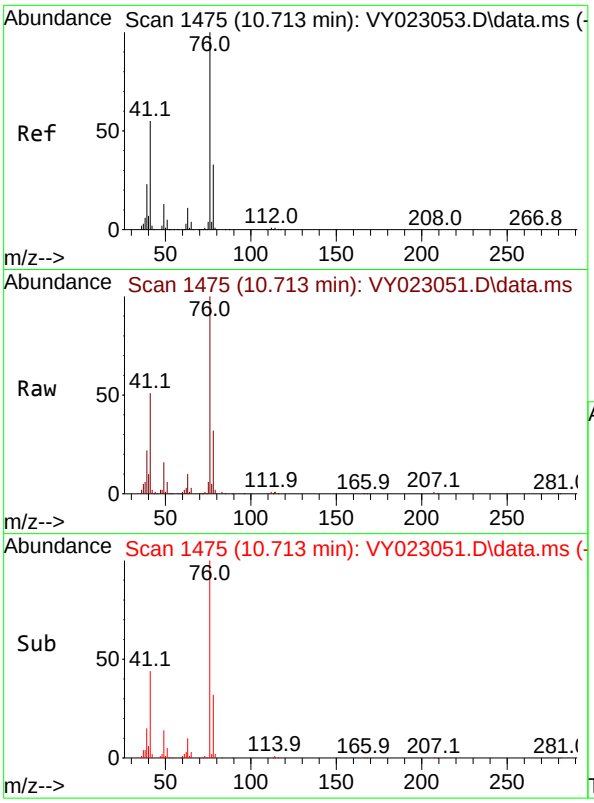


#56
Ethyl methacrylate
Concen: 9.632 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 69 Resp: 52746

Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.6	72.8
39	35.9	27.0	40.4





#57
1,3-Dichloropropane
Concen: 10.256 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 76 Resp: 7443

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
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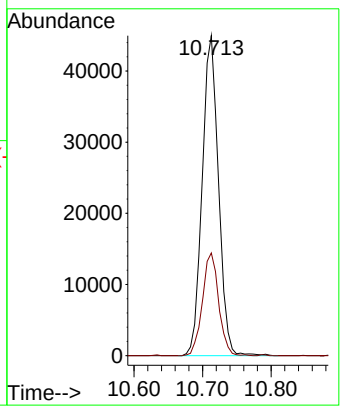
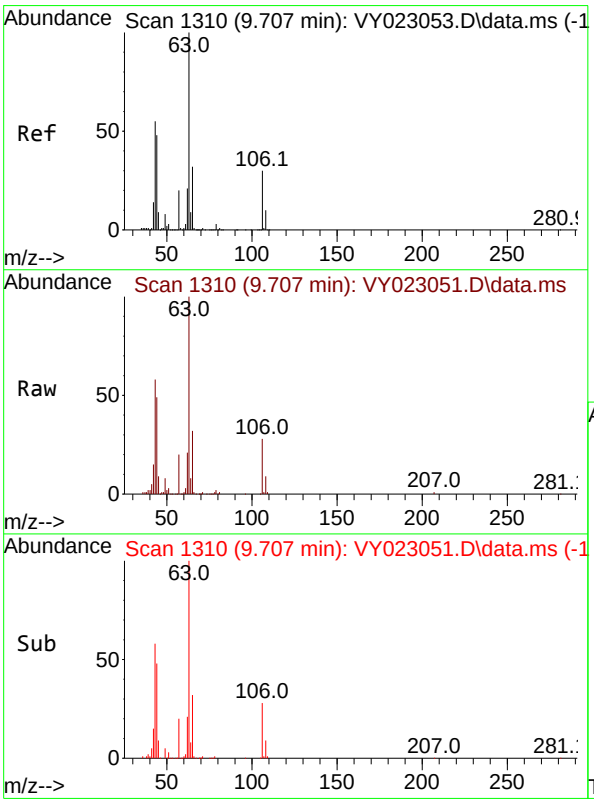
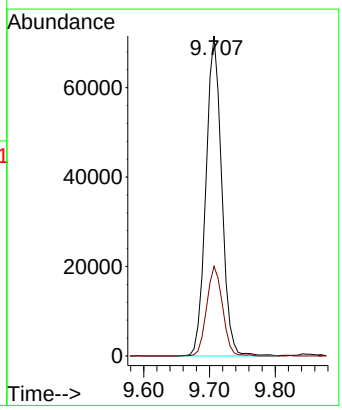


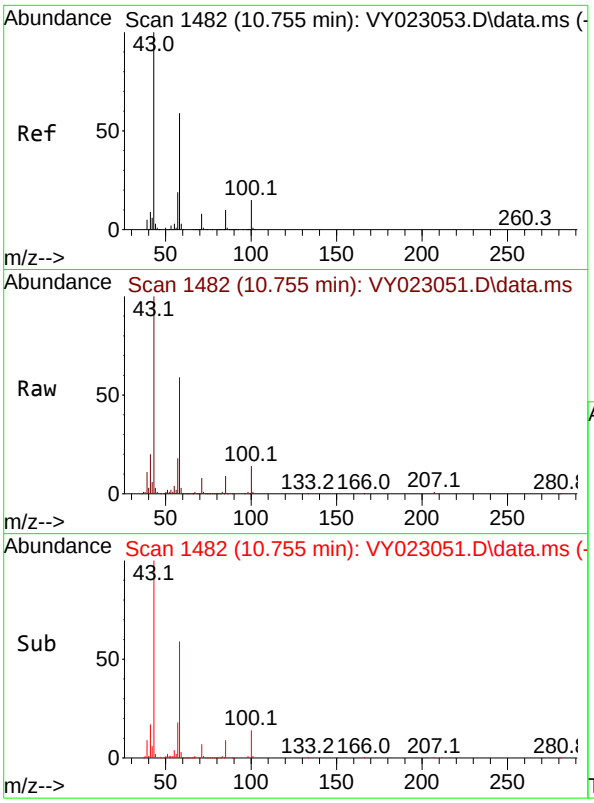


#58
2-Chloroethyl Vinyl ether
Concen: 46.232 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 119417

Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.2	34.8

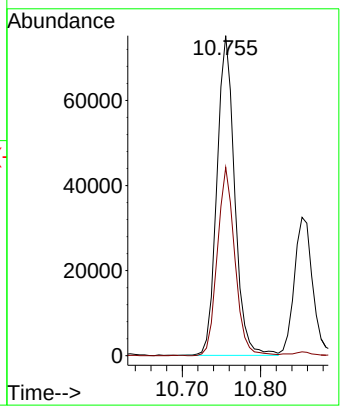




#59
2-Hexanone
Concen: 50.553 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 11845

Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.5	88.5



Instrument :
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ClientSampleId :
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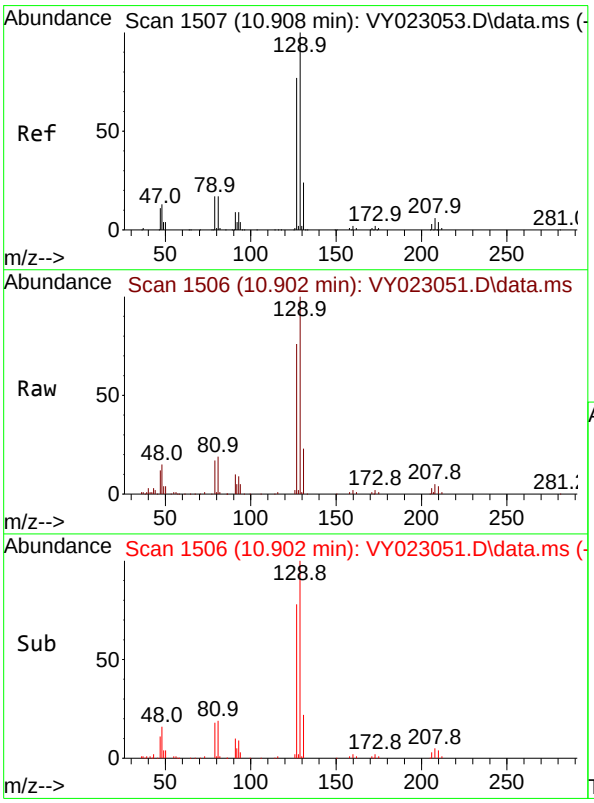
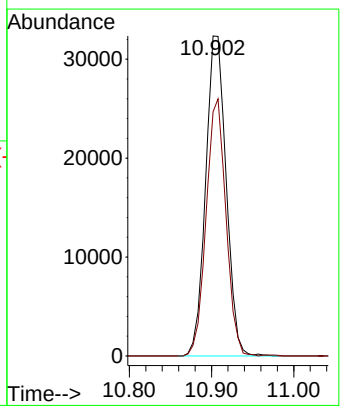
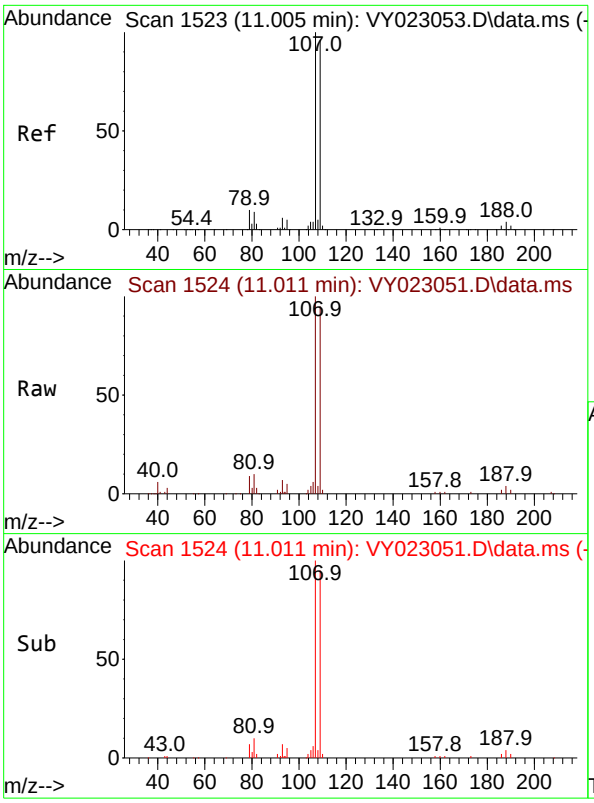


#60
Dibromochloromethane
Concen: 9.925 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:129 Resp: 56045

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5





#61
1,2-Dibromoethane
Concen: 10.196 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:107 Resp: 4100

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.6	113.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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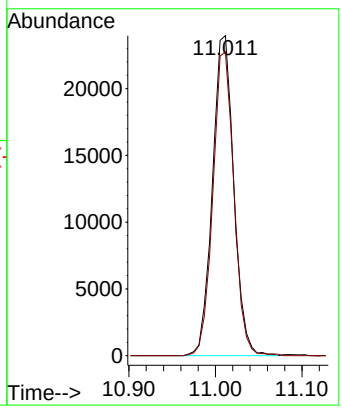
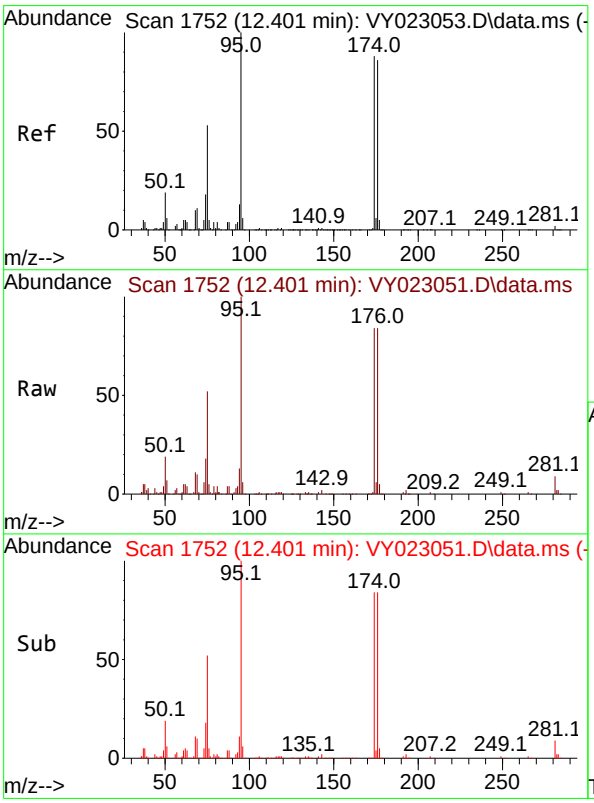
Supervised By :Semsettin Yesilyurt 08/14/2025

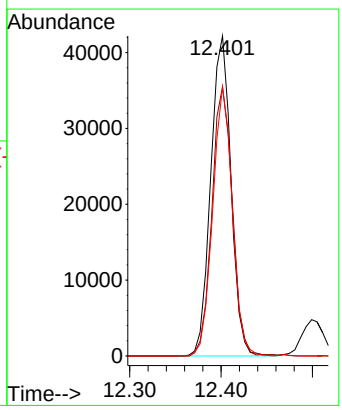


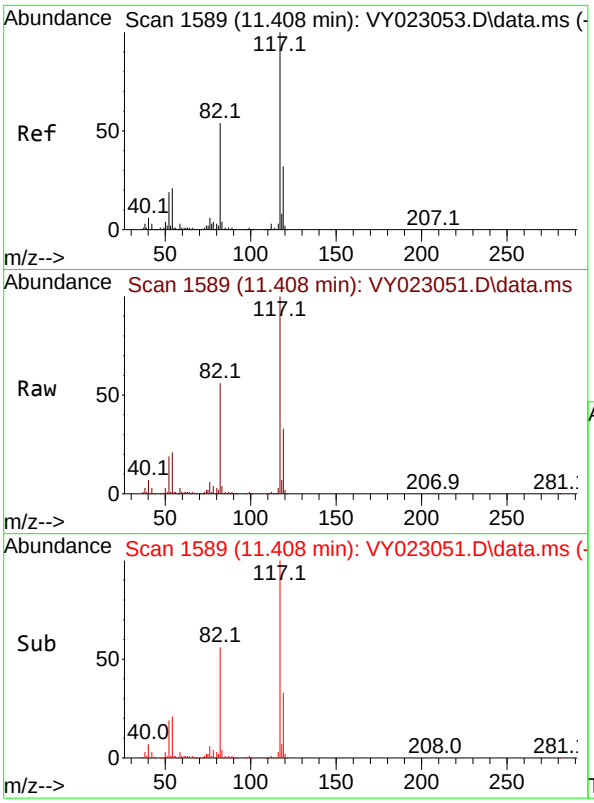


#62
4-Bromofluorobenzene
Concen: 9.775 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 95 Resp: 64927

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	171.6
176	81.7	0.0	167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:117 Resp: 76132

Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.4	65.0
119	32.8	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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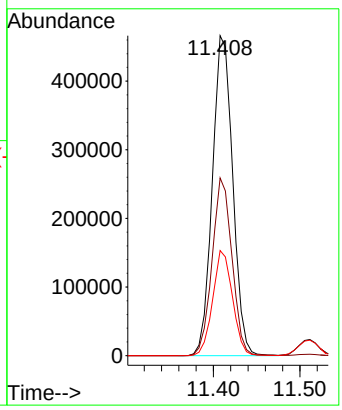
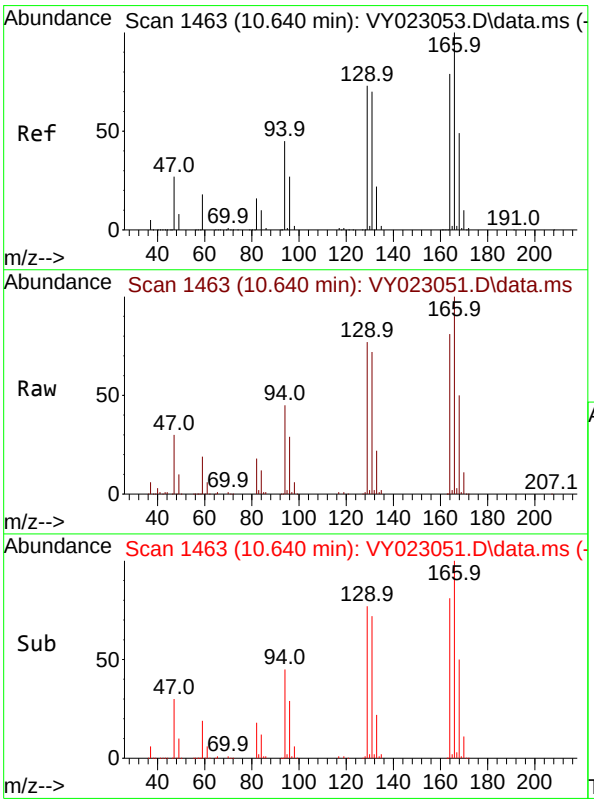
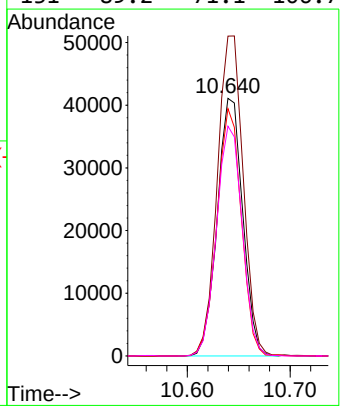


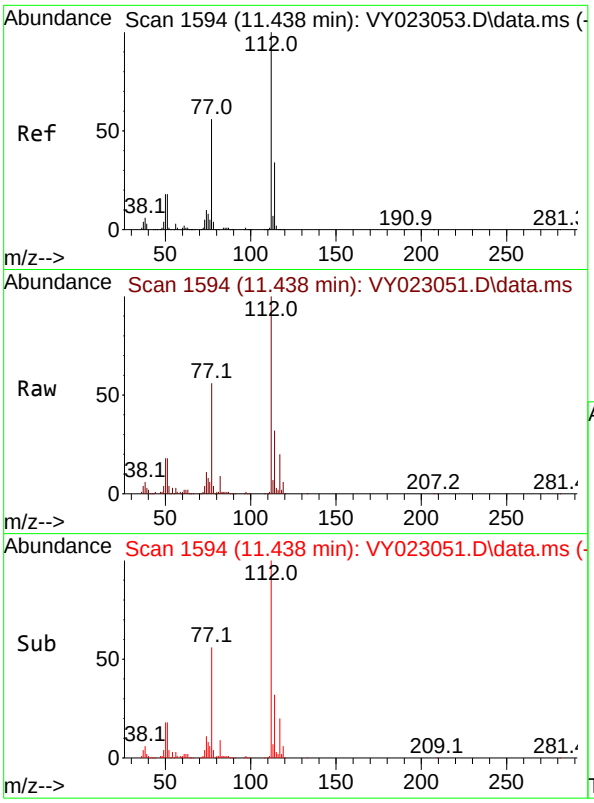


#64
Tetrachloroethene
Concen: 10.371 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:164 Resp: 70502

Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.1	151.7
129	96.0	74.0	111.0
131	89.2	71.1	106.7

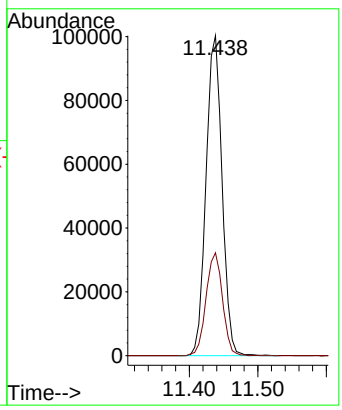




#65
Chlorobenzene
Concen: 9.925 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:112 Resp: 16298

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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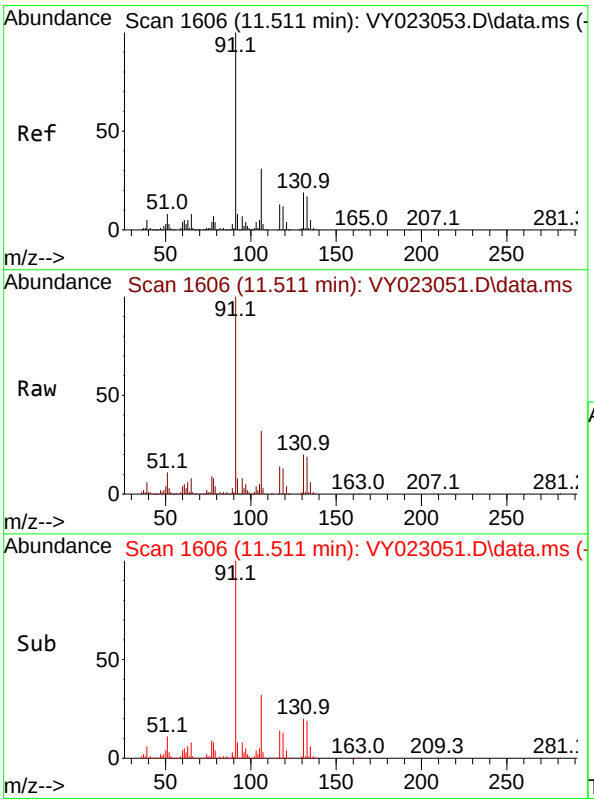
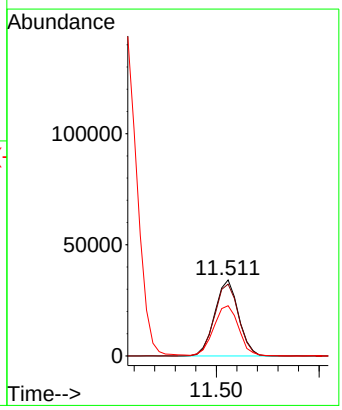
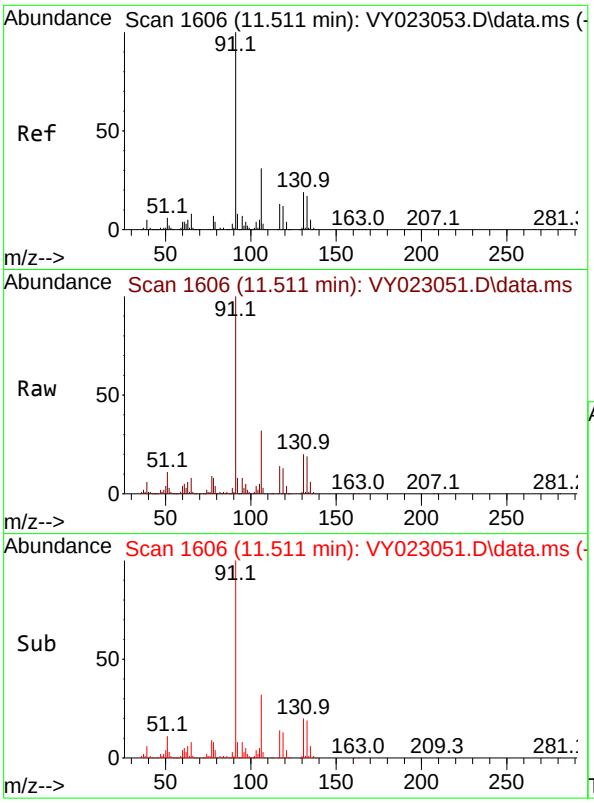


#66
1,1,1,2-Tetrachloroethane
Concen: 9.842 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:131 Resp: 54856

Ion	Ratio	Lower	Upper
131	100		
133	96.5	46.9	140.6
119	69.8	33.2	99.6





#67
Ethyl Benzene
Concen: 9.670 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 27328

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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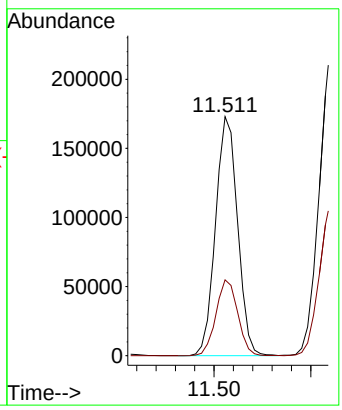
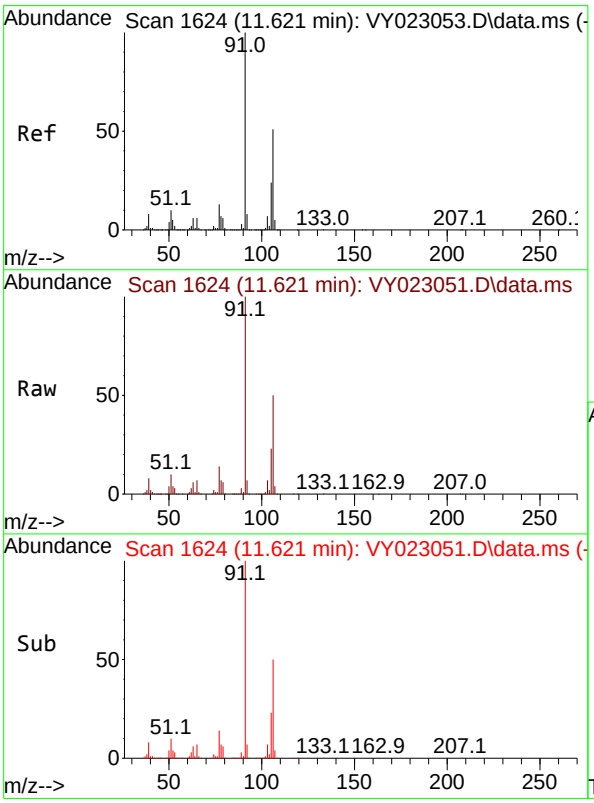
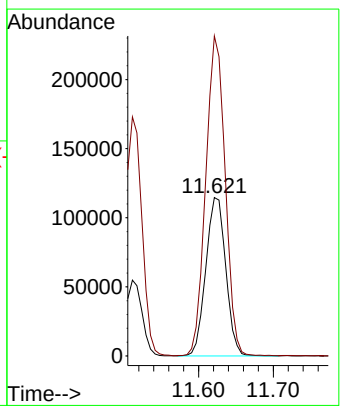


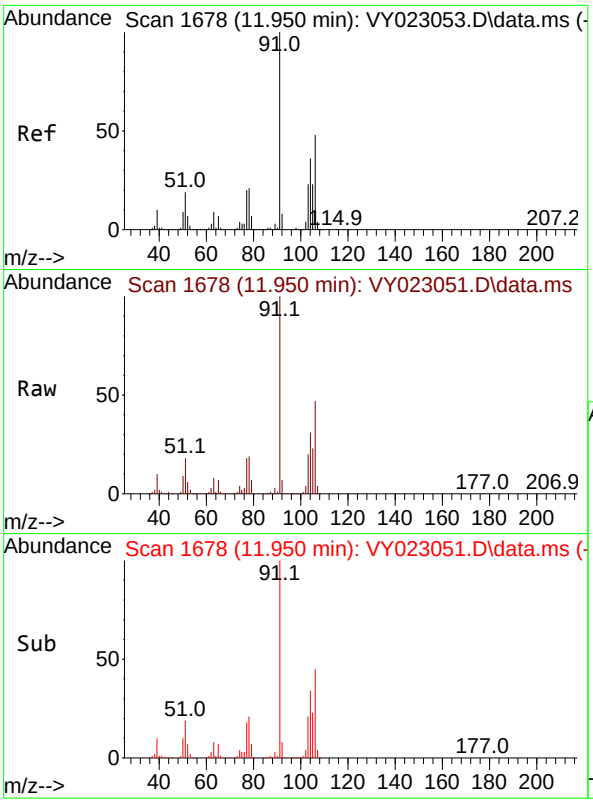


#68
m/p-Xylenes
Concen: 19.277 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:106 Resp: 212766

Ion	Ratio	Lower	Upper
106	100		
91	196.5	158.6	238.0

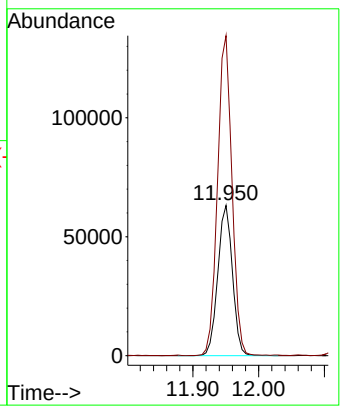




#69
o-Xylene
Concen: 9.465 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:106 Resp: 9784

Ion	Ratio	Lower	Upper
106	100		
91	210.2	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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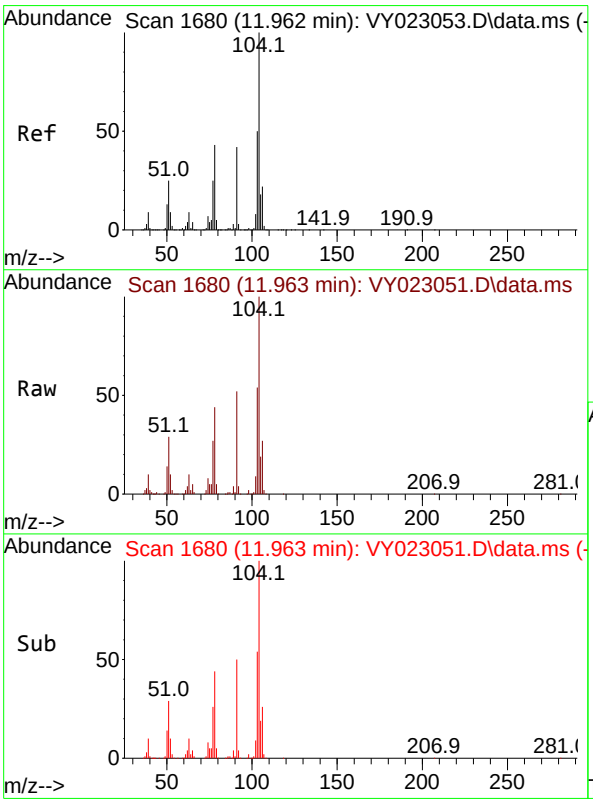
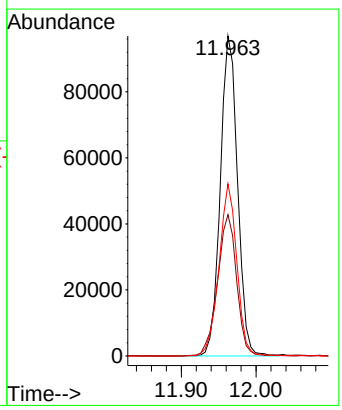
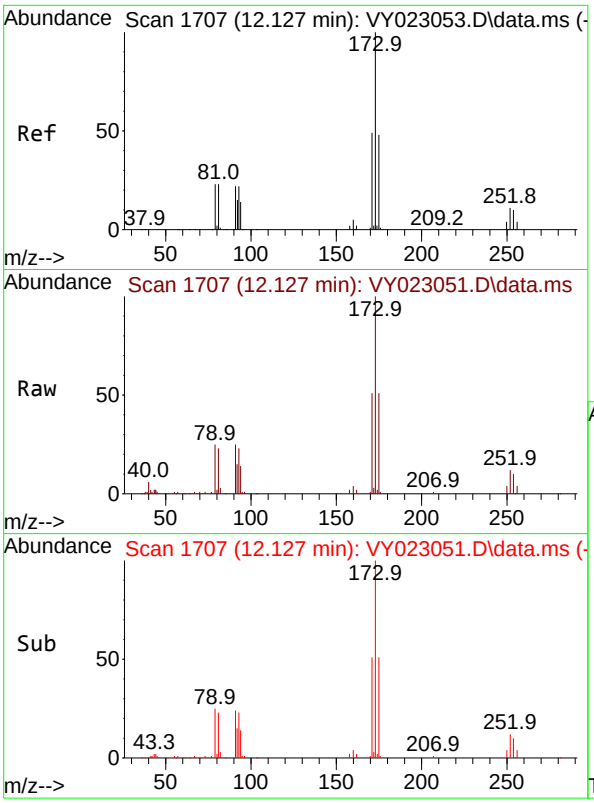


#70
Styrene
Concen: 9.216 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:104 Resp: 155809

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	55.6	43.7	65.5

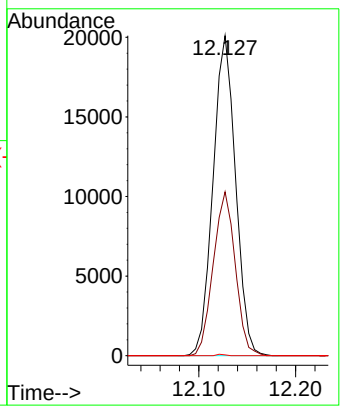




#71
Bromoform
Concen: 9.968 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:173 Resp: 3247

Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.9	71.7
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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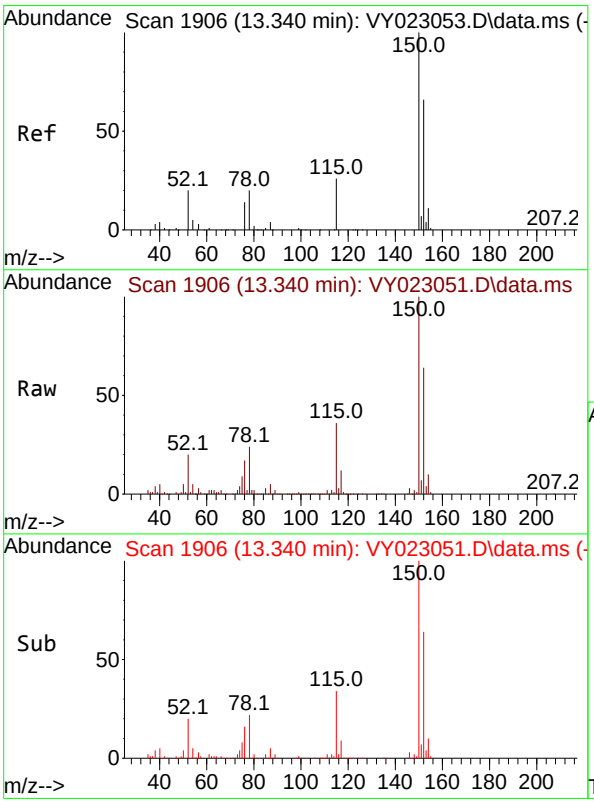
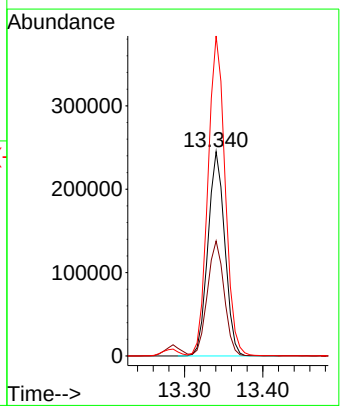
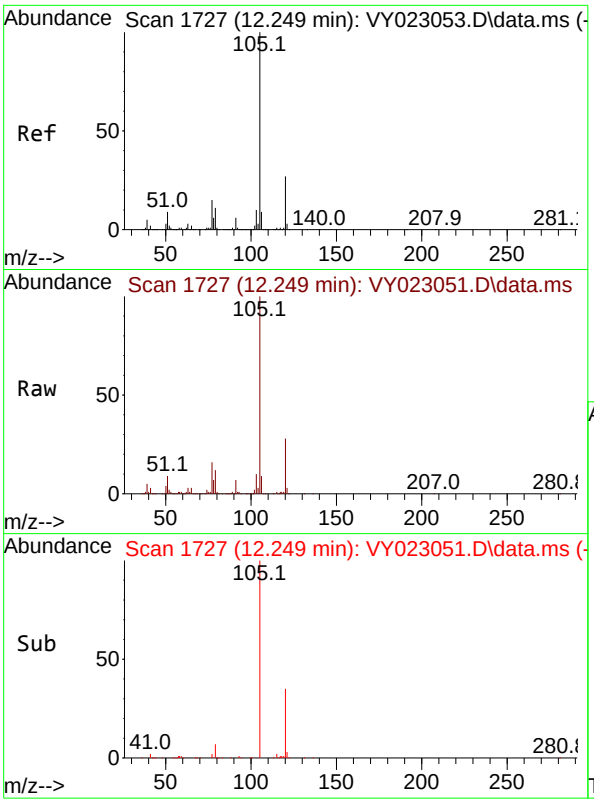


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:152 Resp: 365647

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.2	84.6
150	159.7	0.0	348.0

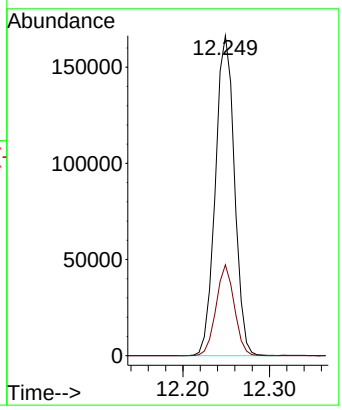




#73
Isopropylbenzene
Concen: 9.871 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 25474

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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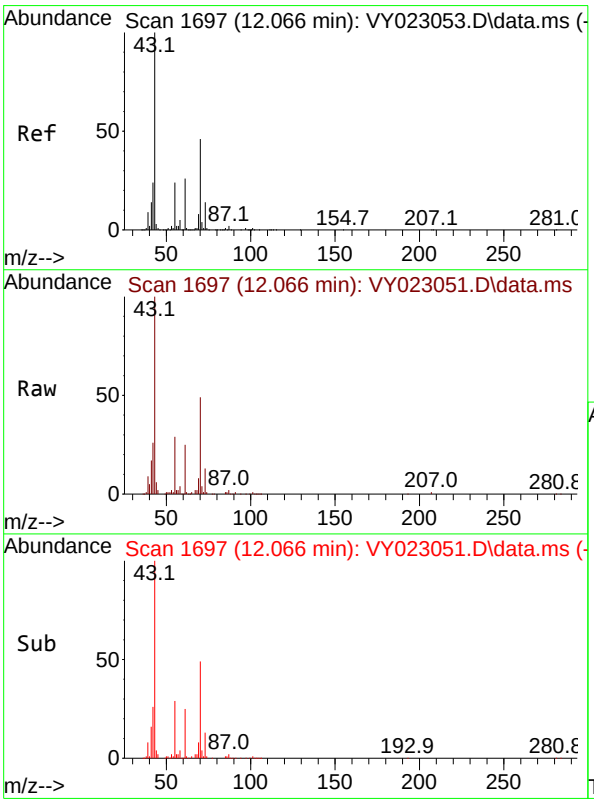
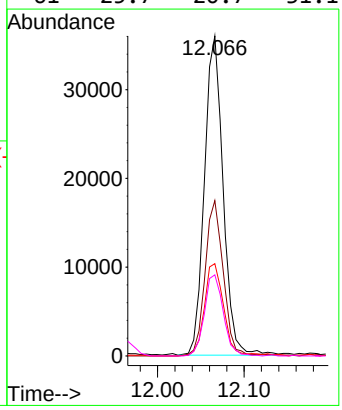
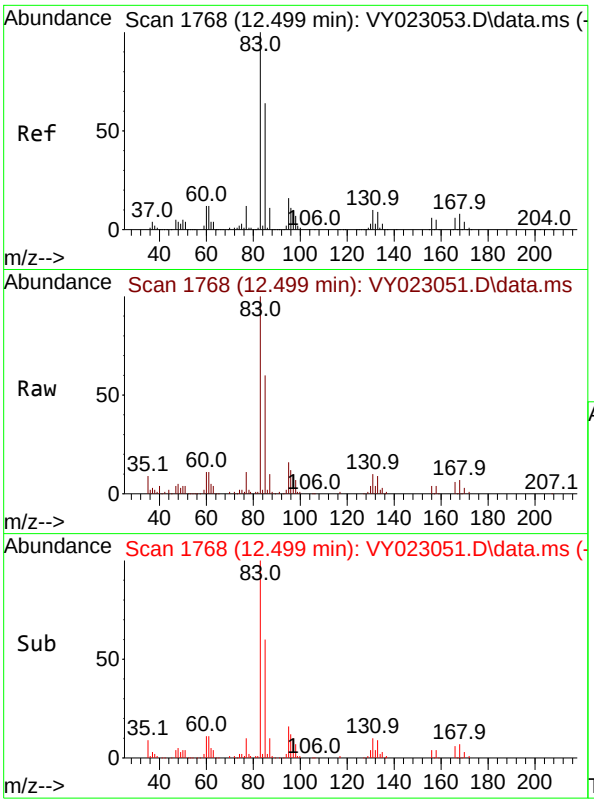


#74
N-amyl acetate
Concen: 9.857 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 53943

Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.5	56.3
55	30.2	20.7	31.1
61	25.7	20.7	31.1

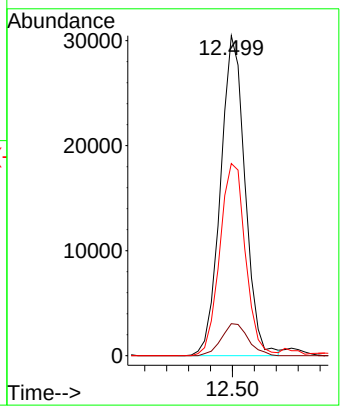




#75
1,1,2,2-Tetrachloroethane
Concen: 10.735 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 83 Resp: 4730

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.3
85	62.9	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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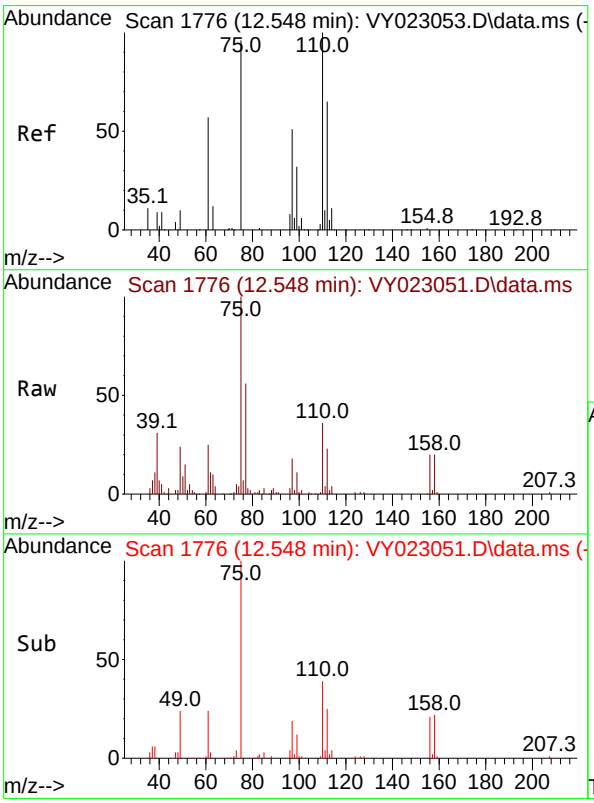
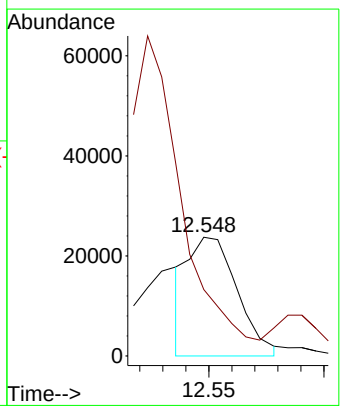
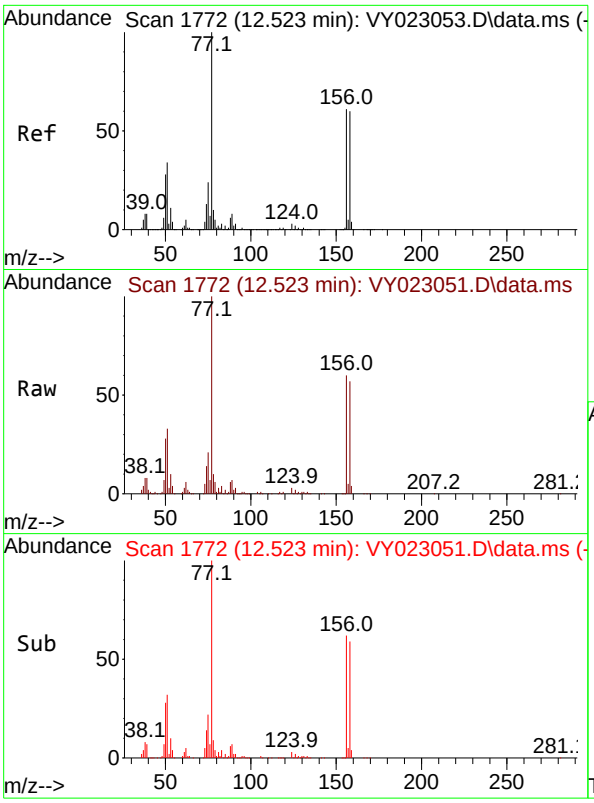


#76
1,2,3-Trichloropropane
Concen: 10.012 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 35353

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

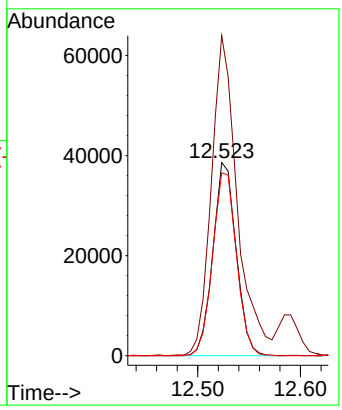




#77
Bromobenzene
Concen: 9.864 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:156 Resp: 6072

Ion	Ratio	Lower	Upper
156	100		
77	184.8	88.1	264.4
158	97.2	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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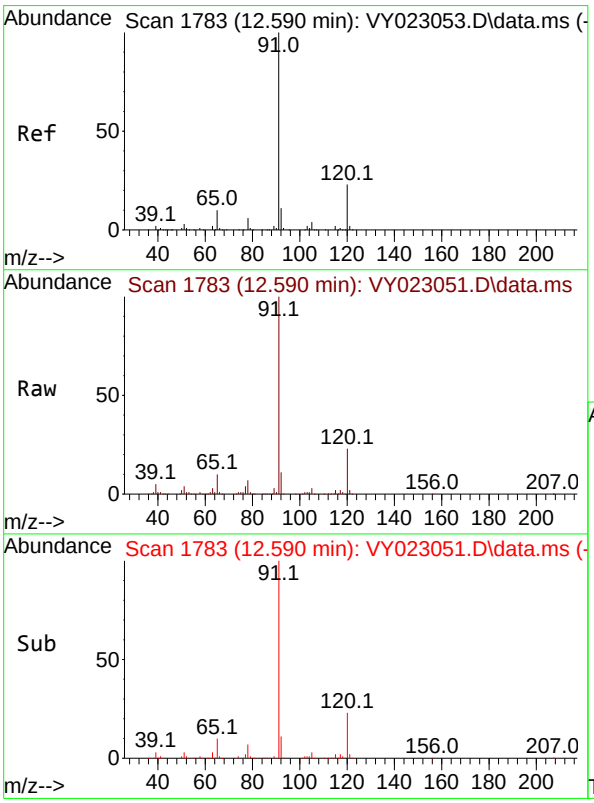
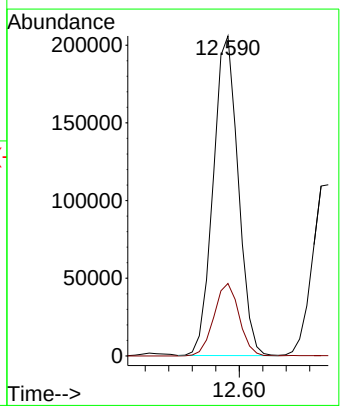
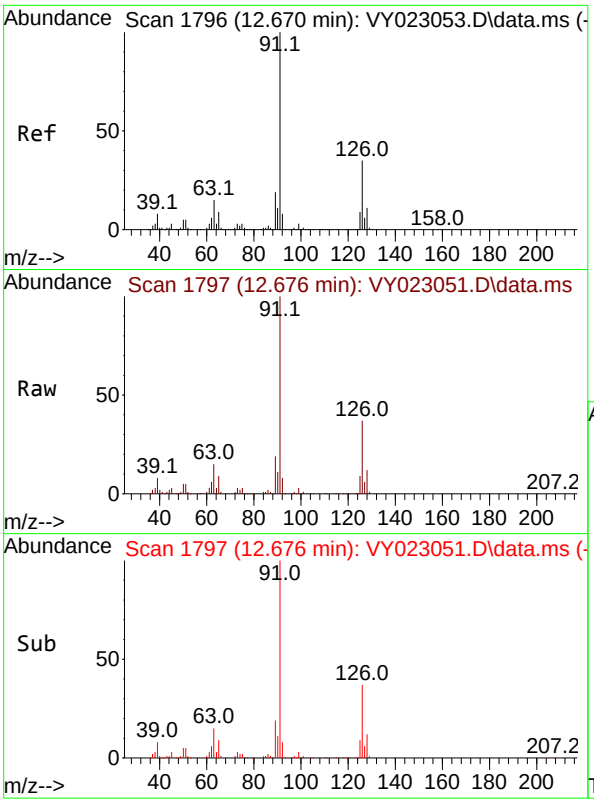


#78
n-propylbenzene
Concen: 9.876 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 303440

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

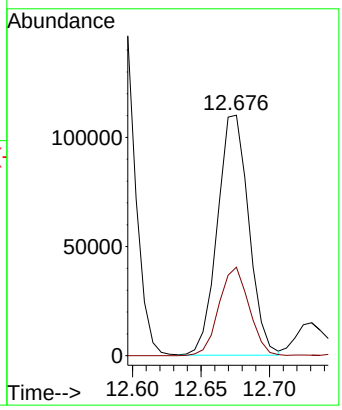




#79
2-Chlorotoluene
Concen: 9.962 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 17536

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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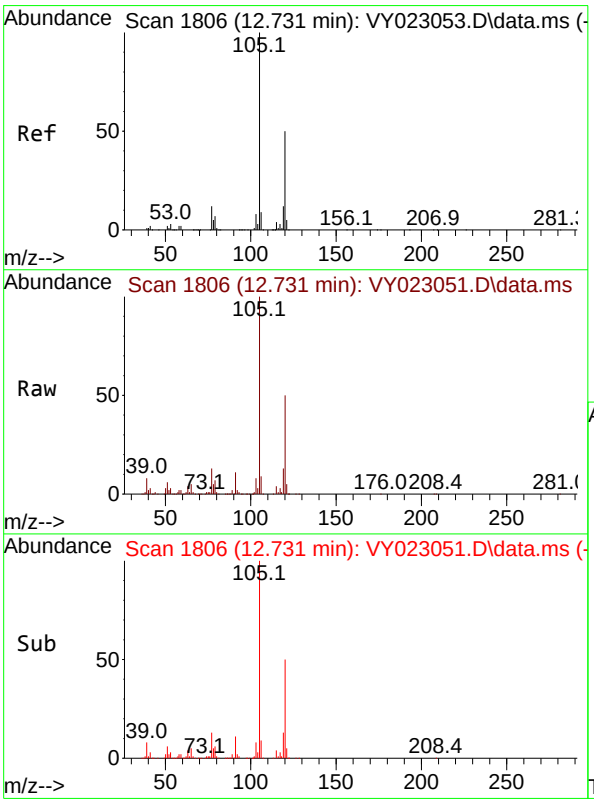
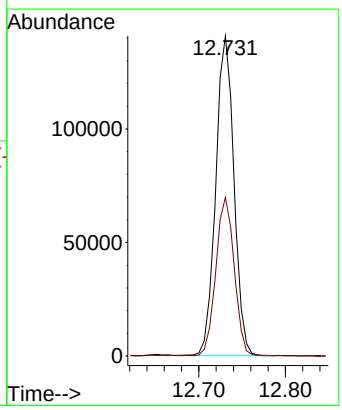
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

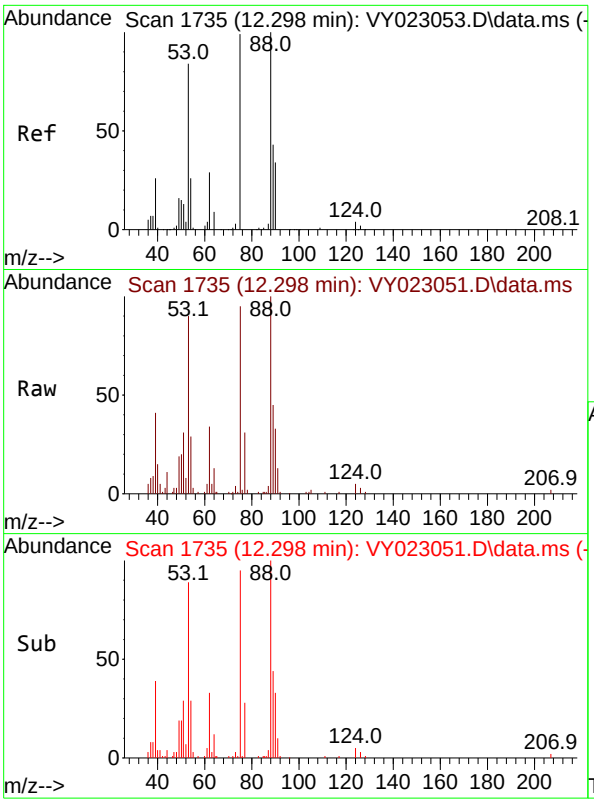


#80
1,3,5-Trimethylbenzene
Concen: 9.855 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 205544

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 10.780 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 1571

Ion	Ratio	Lower	Upper
75	100		
53	91.4	70.8	106.2
89	44.0	38.1	57.1

Instrument :
MSVOA_Y
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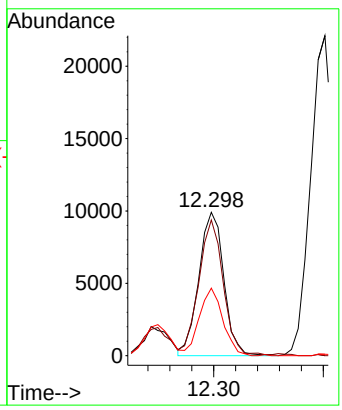
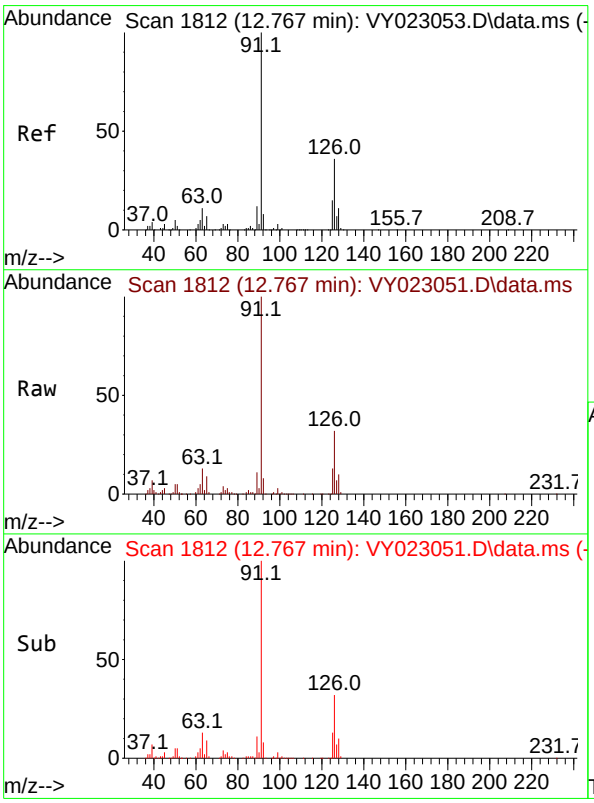
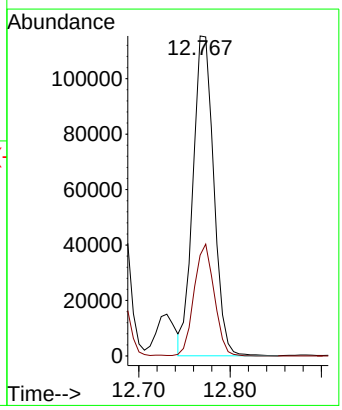


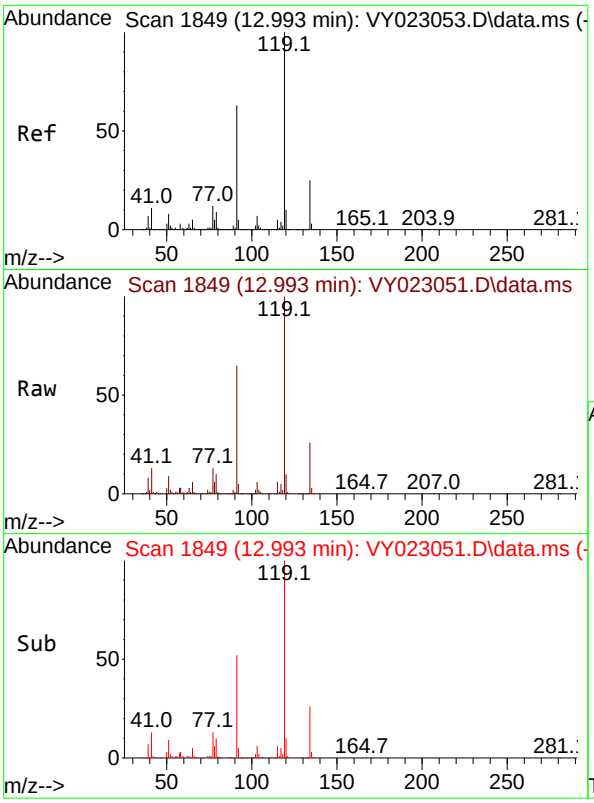


#82
4-Chlorotoluene
Concen: 9.956 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 181812

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0

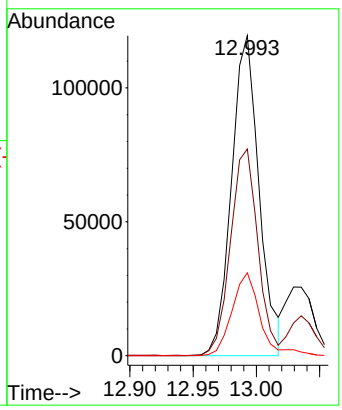




#83
tert-Butylbenzene
Concen: 9.630 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:119 Resp: 18140

Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.6	94.8
134	26.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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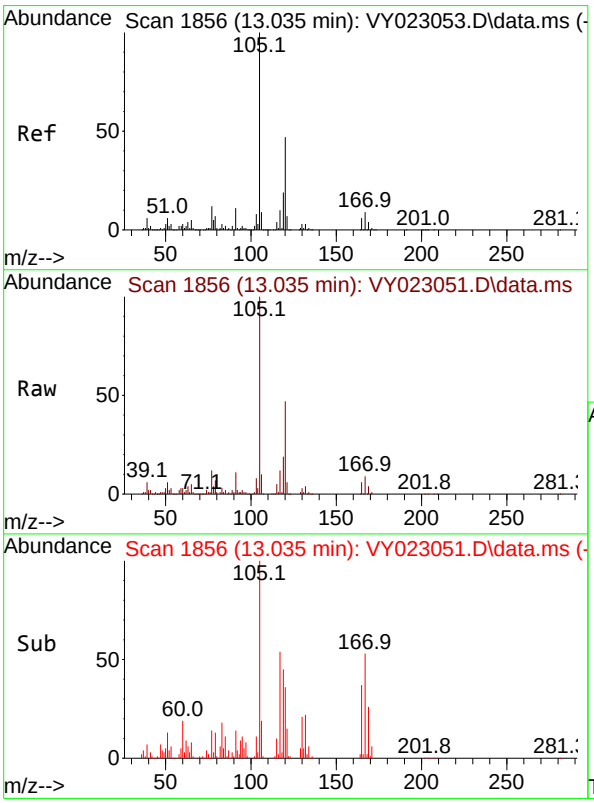
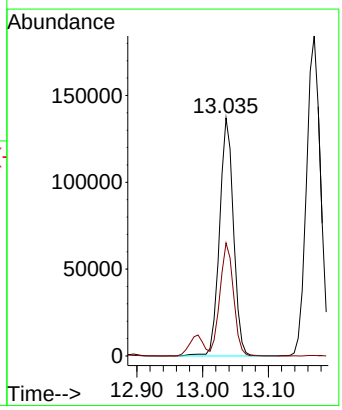
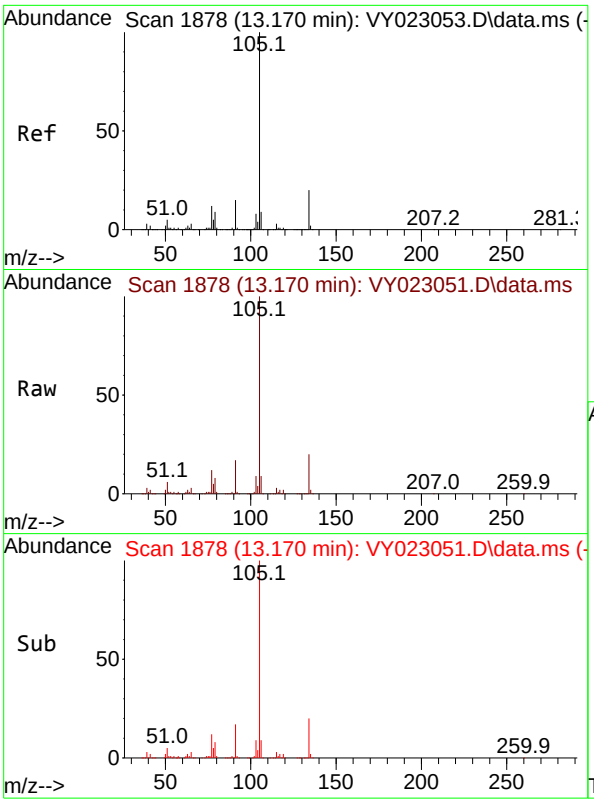


#84
1,2,4-Trimethylbenzene
Concen: 9.720 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 201812

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0

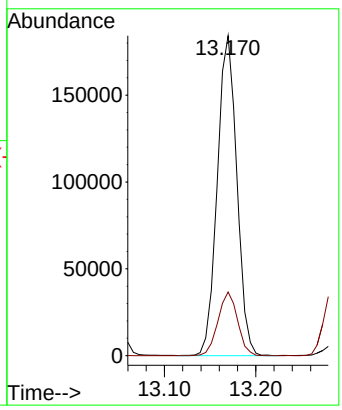




#85
sec-Butylbenzene
Concen: 9.908 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 27417

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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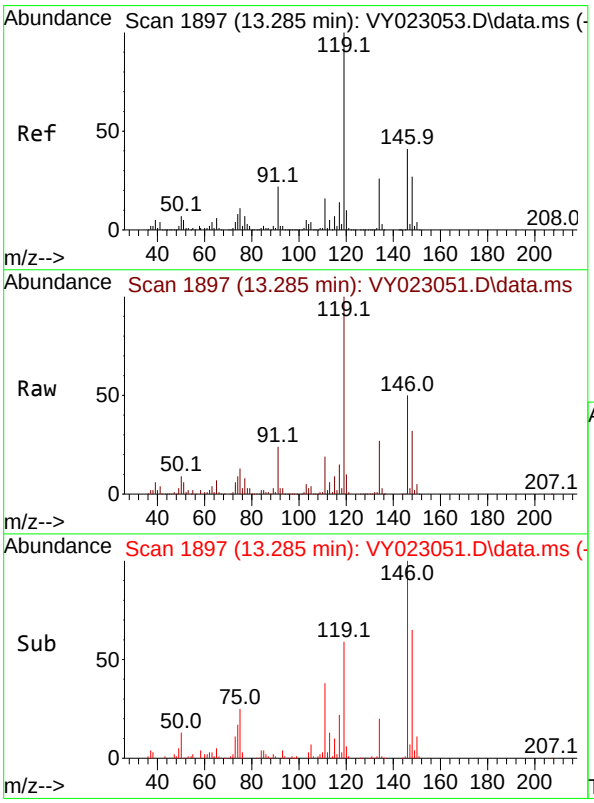
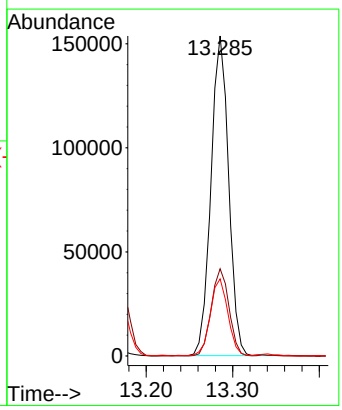
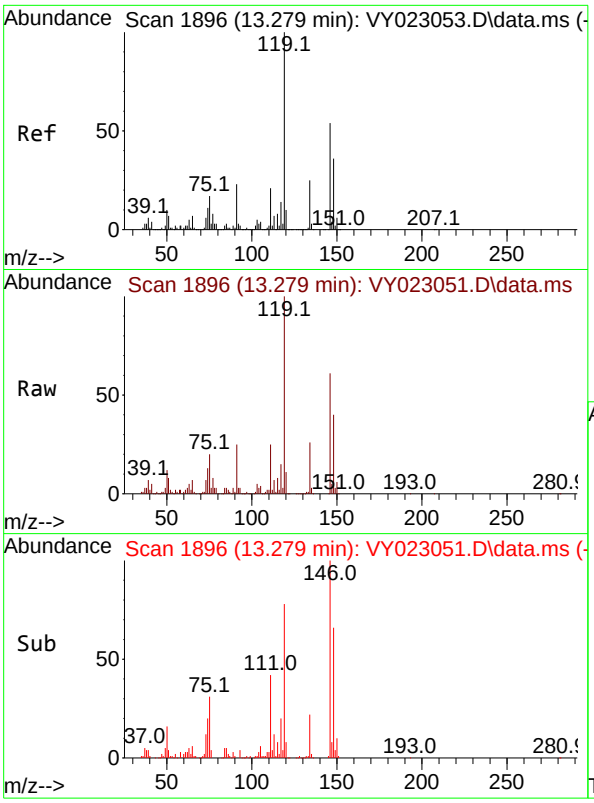


#86
p-Isopropyltoluene
Concen: 9.482 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:119 Resp: 217799

Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.2	39.6
91	23.9	11.3	33.8

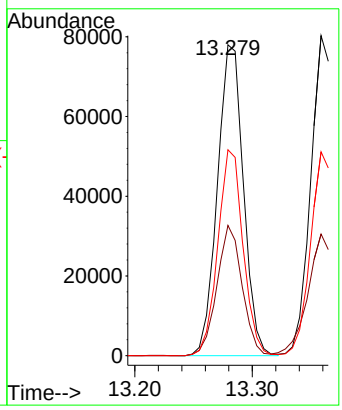




#87
1,3-Dichlorobenzene
Concen: 9.893 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:146 Resp: 12010

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	64.3	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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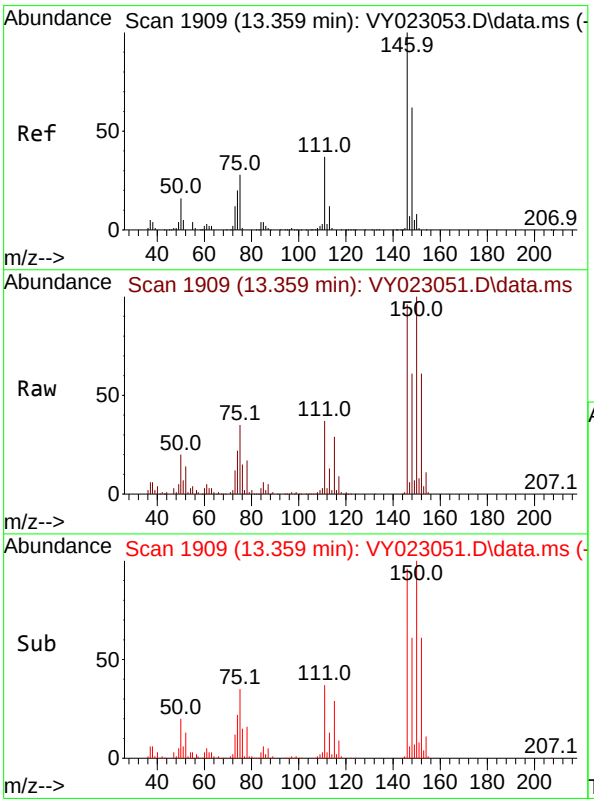
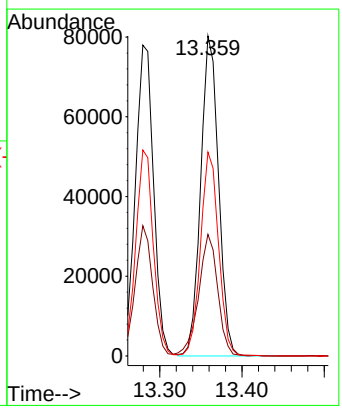
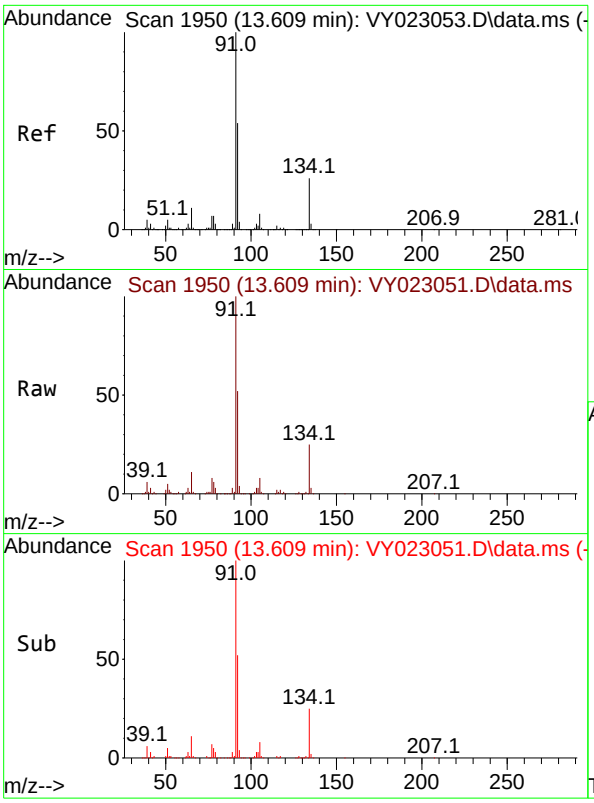


#88
1,4-Dichlorobenzene
Concen: 10.060 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:146 Resp: 121160

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.1	57.1
148	64.3	31.6	94.7

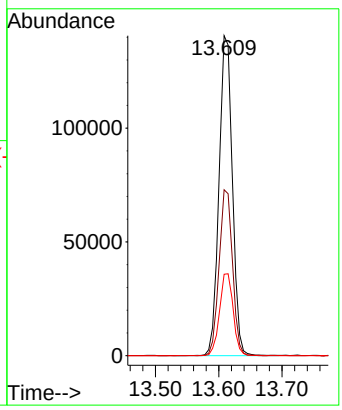




#89
n-Butylbenzene
Concen: 9.737 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 20542

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.7
134	26.1	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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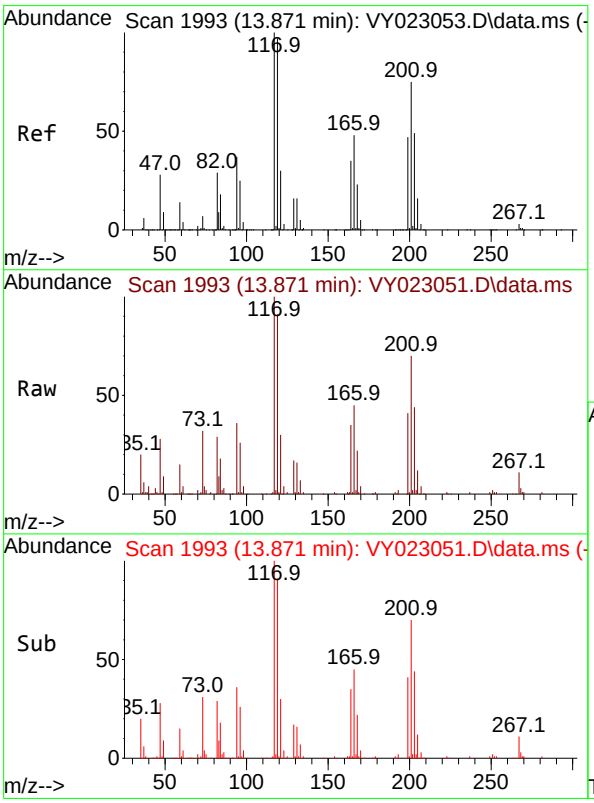
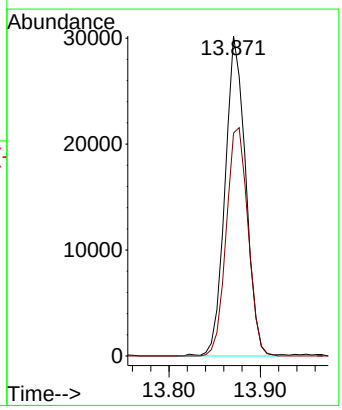
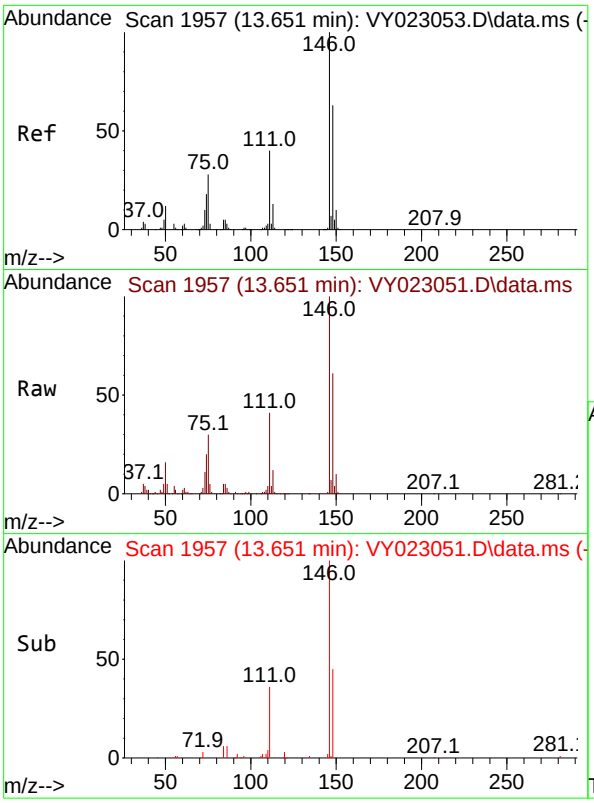


#90
Hexachloroethane
Concen: 10.071 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:117 Resp: 47353

Ion	Ratio	Lower	Upper
117	100		
201	75.3	38.4	115.1

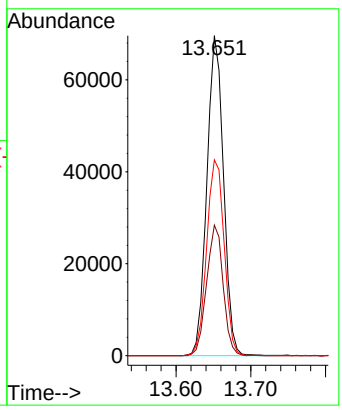




#91
1,2-Dichlorobenzene
Concen: 10.110 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:146 Resp: 10765

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.5	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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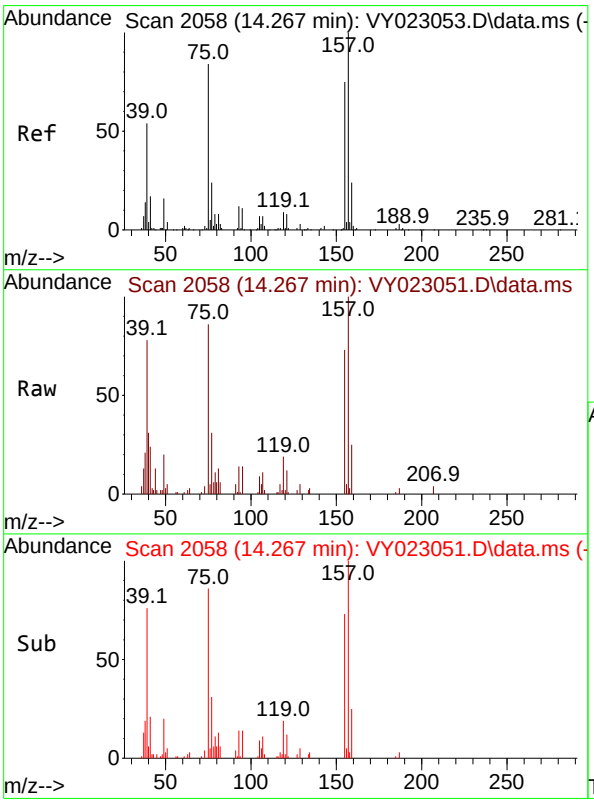
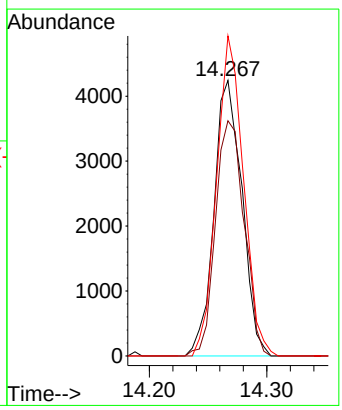
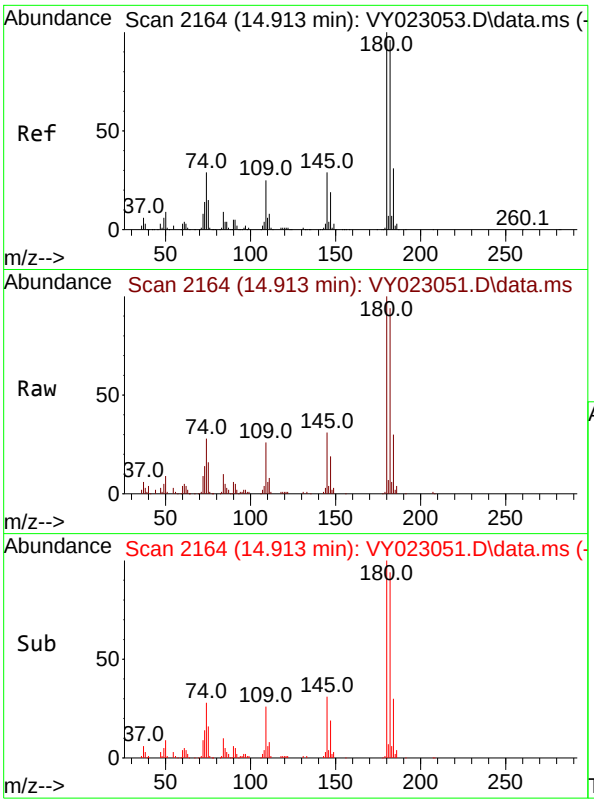


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.250 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 7032

Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.9	131.6
157	111.5	57.2	171.6

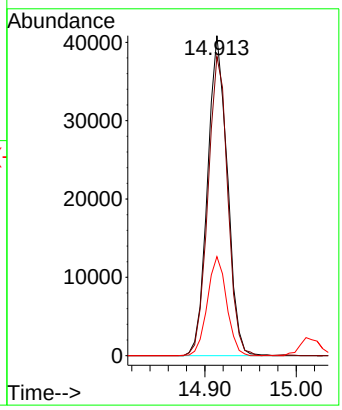




#93
1,2,4-Trichlorobenzene
Concen: 9.739 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:180 Resp: 6132

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.8	140.4
145	30.2	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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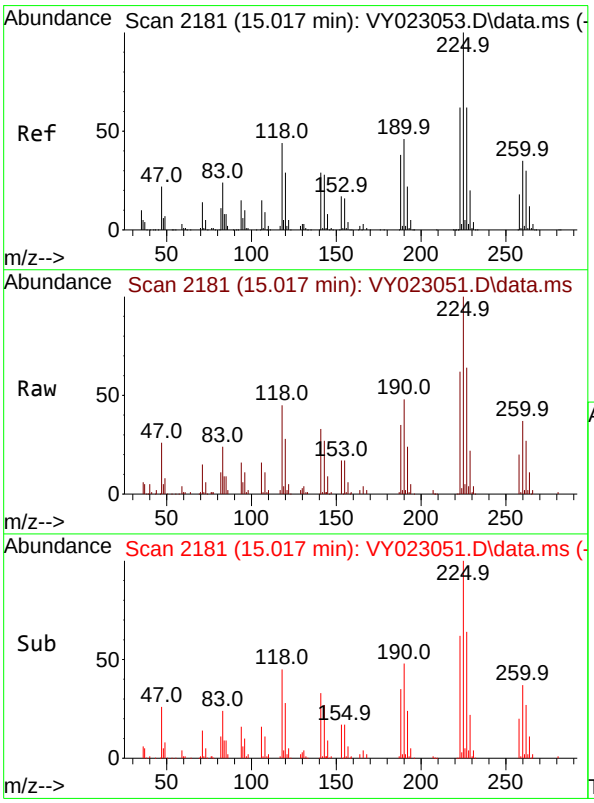
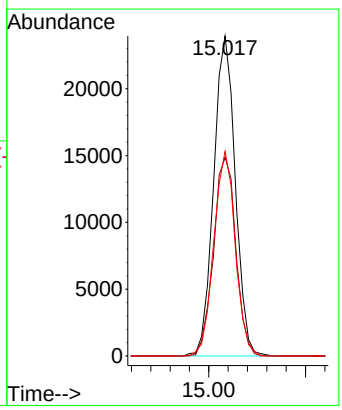
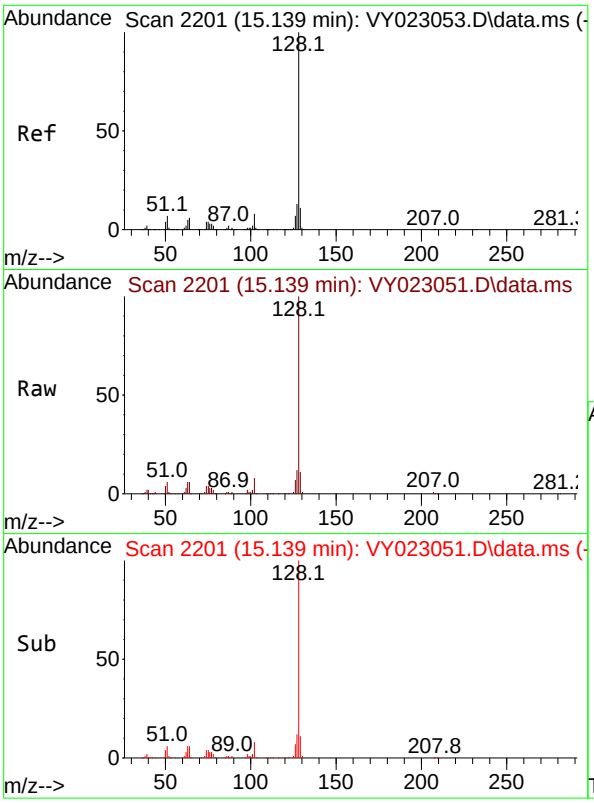


#94
Hexachlorobutadiene
Concen: 10.003 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:225 Resp: 37011

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.8
227	63.5	31.5	94.5

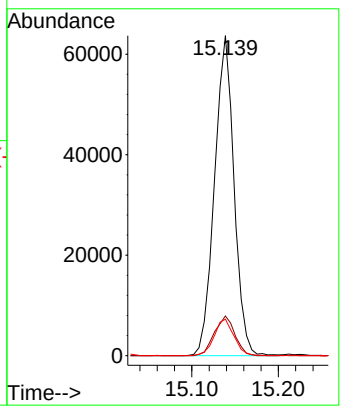




#95
Naphthalene
Concen: 9.293 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:128 Resp: 9978

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.6	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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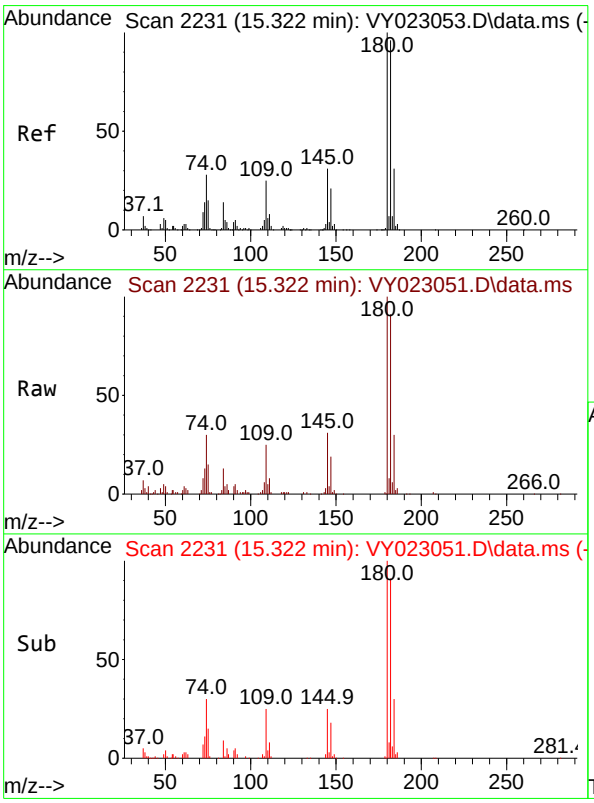
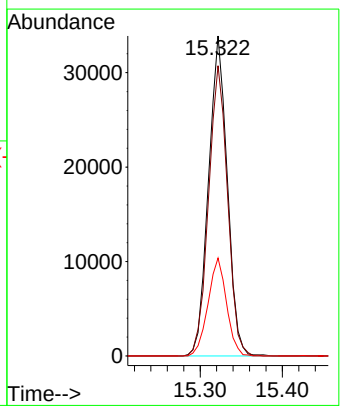


#96
1,2,3-Trichlorobenzene
Concen: 9.883 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:180 Resp: 53626

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.9	143.7
145	30.2	15.9	47.7



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Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	537748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	848953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	745484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103755	20.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.480%#		
35) Dibromofluoromethane	7.628	113	102068	20.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.180%#		
50) Toluene-d8	10.103	98	398394	20.075	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.160%#		
62) 4-Bromofluorobenzene	12.402	95	124467	19.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	98926	22.537	ug/l	98
3) Chloromethane	2.068	50	158310	22.268	ug/l	99
4) Vinyl Chloride	2.202	62	188307	21.427	ug/l	99
5) Bromomethane	2.586	94	140517	21.410	ug/l	99
6) Chloroethane	2.726	64	122310	20.934	ug/l	99
7) Trichlorofluoromethane	3.050	101	225373	21.090	ug/l	99
8) Diethyl Ether	3.452	74	58245	20.602	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	112116	21.267	ug/l	99
10) Methyl Iodide	3.994	142	115879	20.370	ug/l	99
11) Tert butyl alcohol	4.860	59	35192	100.214	ug/l	98
12) 1,1-Dichloroethene	3.781	96	107992	20.840	ug/l	99
13) Acrolein	3.653	56	54065	105.126	ug/l	100
14) Allyl chloride	4.379	41	155709	20.421	ug/l	97
15) Acrylonitrile	5.055	53	120151	104.535	ug/l	97
16) Acetone	3.866	43	113468	102.193	ug/l	96
17) Carbon Disulfide	4.098	76	357484	21.157	ug/l	98
18) Methyl Acetate	4.379	43	69853	21.141	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	278863	20.767	ug/l	99
20) Methylene Chloride	4.610	84	130416	21.069	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	120321	20.661	ug/l	96
22) Diisopropyl ether	6.012	45	346195	20.894	ug/l	95
23) Vinyl Acetate	5.951	43	941364	102.748	ug/l	97
24) 1,1-Dichloroethane	5.909	63	211558	20.884	ug/l	98
25) 2-Butanone	6.890	43	153363	101.559	ug/l	100
26) 2,2-Dichloropropane	6.878	77	181528	20.767	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138775	20.613	ug/l	99
28) Bromochloromethane	7.244	49	84540	21.035	ug/l	99
29) Tetrahydrofuran	7.262	42	95795	102.341	ug/l	99
30) Chloroform	7.415	83	215585	20.635	ug/l	98
31) Cyclohexane	7.701	56	194671	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	193268	20.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156617	20.746	ug/l	98
37) Ethyl Acetate	6.982	43	66420	20.944	ug/l	100
38) Carbon Tetrachloride	7.817	117	171344	20.897	ug/l	98
39) Methylcyclohexane	9.103	83	205594	20.680	ug/l	98
40) Benzene	8.079	78	485631	20.871	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	37785m	20.623	ug/l		
42) 1,2-Dichloroethane	8.152	62	126111	20.839	ug/l		100
43) Isopropyl Acetate	8.195	43	131854	20.571	ug/l		98
44) Trichloroethene	8.859	130	126772	21.083	ug/l		98
45) 1,2-Dichloropropane	9.134	63	110699	20.677	ug/l		99
46) Dibromomethane	9.225	93	63410	20.635	ug/l		98
47) Bromodichloromethane	9.420	83	165954	20.988	ug/l		96
48) Methyl methacrylate	9.219	41	64120	20.905	ug/l		98
49) 1,4-Dioxane	9.225	88	14826	411.480	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	339298	102.622	ug/l		100
52) Toluene	10.164	92	306193	20.719	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	147696	20.627	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	174243	20.580	ug/l		96
55) 1,1,2-Trichloroethane	10.566	97	86022	20.920	ug/l		99
56) Ethyl methacrylate	10.432	69	105816	20.111	ug/l		99
57) 1,3-Dichloropropane	10.713	76	145621	20.882	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	244340	98.450	ug/l		99
59) 2-Hexanone	10.755	43	231872	102.992	ug/l		99
60) Dibromochloromethane	10.908	129	110810	20.424	ug/l		99
61) 1,2-Dibromoethane	11.012	107	80549	20.842	ug/l		97
64) Tetrachloroethene	10.640	164	141609	21.273	ug/l		99
65) Chlorobenzene	11.438	112	332700	20.690	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	112677	20.647	ug/l		99
67) Ethyl Benzene	11.511	91	564855	20.412	ug/l		99
68) m/p-Xylenes	11.621	106	444361	41.115	ug/l		98
69) o-Xylene	11.950	106	207639	20.513	ug/l		99
70) Styrene	11.963	104	339891	20.532	ug/l		99
71) Bromoform	12.127	173	64275	20.151	ug/l	#	98
73) Isopropylbenzene	12.249	105	534421	20.413	ug/l		100
74) N-amyl acetate	12.066	43	112297	20.227	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	89782	20.085	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	70070m	19.560	ug/l		
77) Bromobenzene	12.523	156	128501	20.574	ug/l		99
78) n-propylbenzene	12.590	91	640528	20.550	ug/l		99
79) 2-Chlorotoluene	12.670	91	365577	20.471	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	435074	20.563	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	30153	20.389	ug/l		97
82) 4-Chlorotoluene	12.773	91	385755	20.822	ug/l		99
83) tert-Butylbenzene	12.993	119	389621	20.389	ug/l		100
84) 1,2,4-Trimethylbenzene	13.036	105	438392	20.814	ug/l		98
85) sec-Butylbenzene	13.170	105	575804	20.512	ug/l		100
86) p-Isopropyltoluene	13.285	119	480937	20.640	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	252452	20.497	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	249280	20.403	ug/l		99
89) n-Butylbenzene	13.609	91	440963	20.605	ug/l		99
90) Hexachloroethane	13.871	117	96478	20.226	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	222000	20.552	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13973	20.076	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	130718	20.464	ug/l		98
94) Hexachlorobutadiene	15.017	225	77511	20.650	ug/l		99
95) Naphthalene	15.139	128	216923	19.915	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	111506	20.258	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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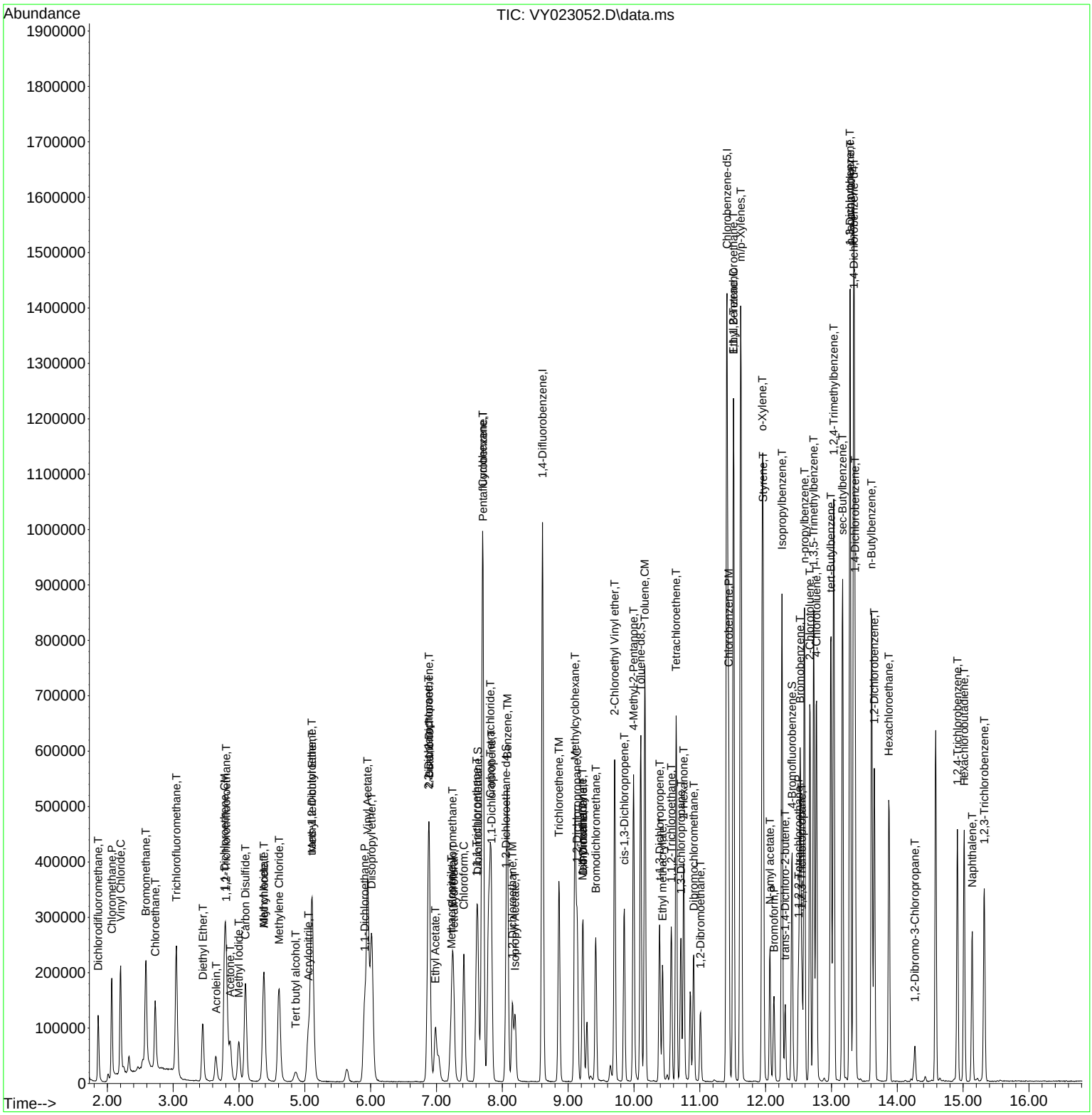
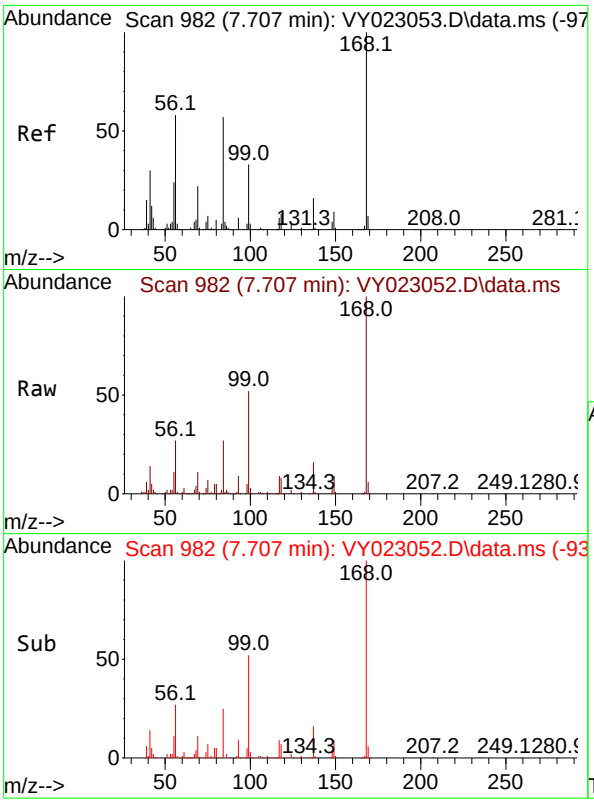
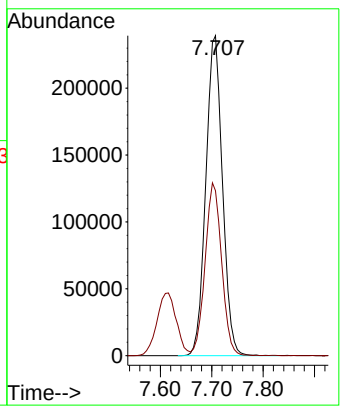




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:168 Resp: 53774

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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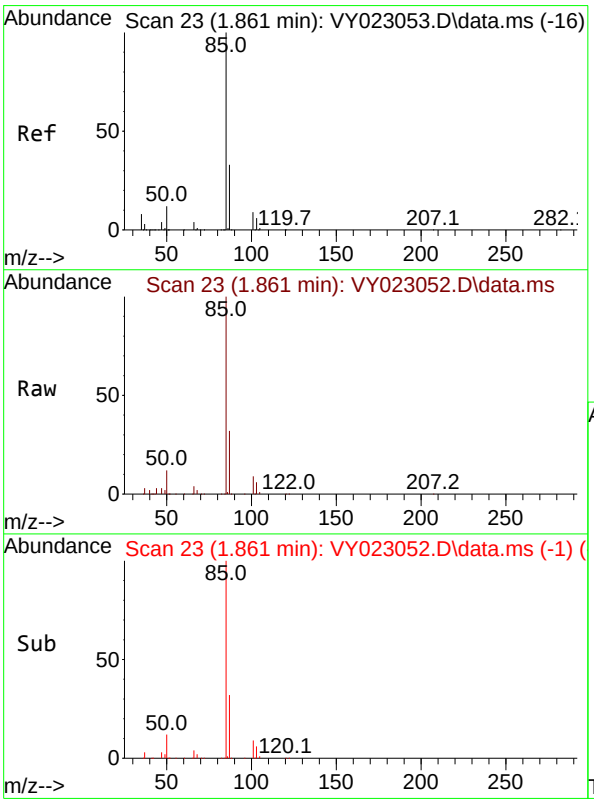
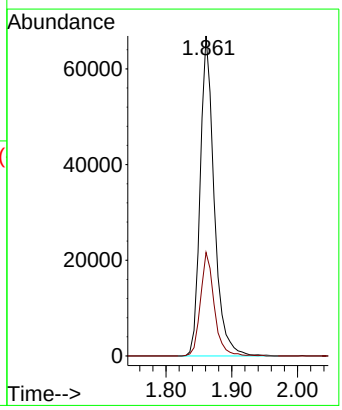
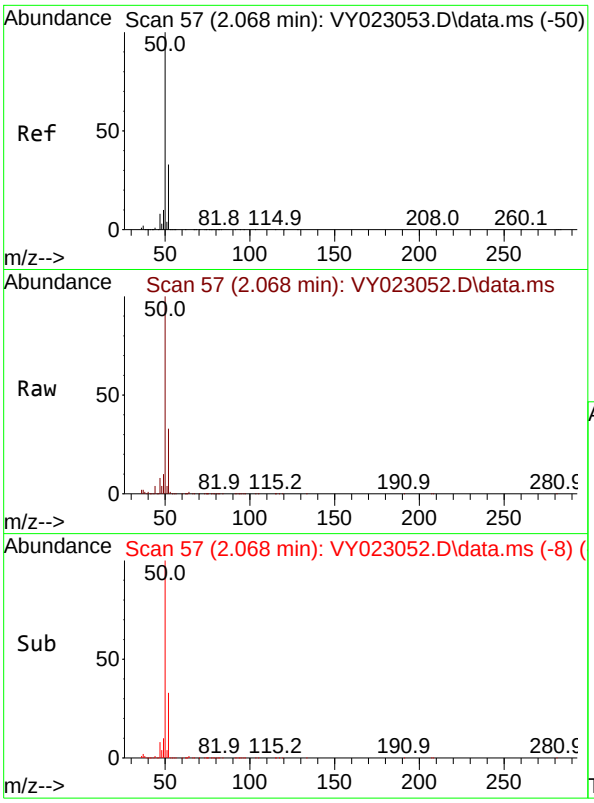


#2
Dichlorodifluoromethane
Concen: 22.537 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 85 Resp: 98926

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8

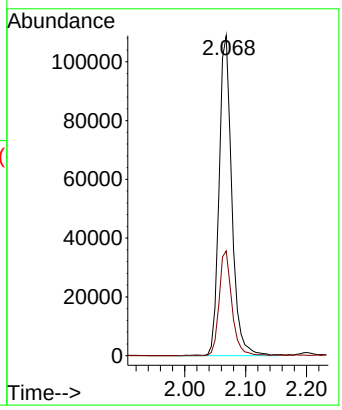




#3
Chloromethane
Concen: 22.268 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 50 Resp: 15831

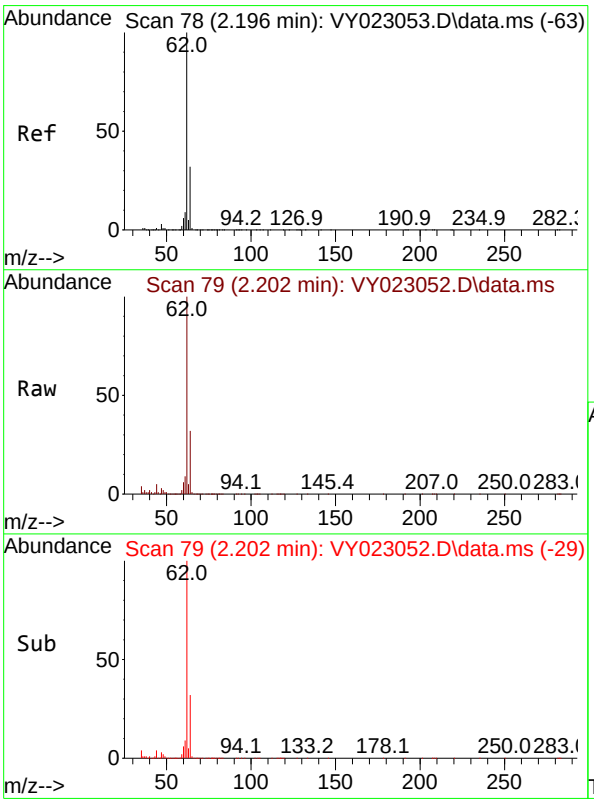
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

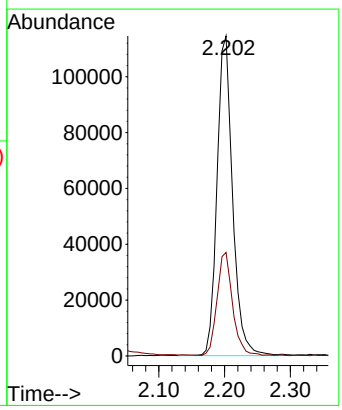
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

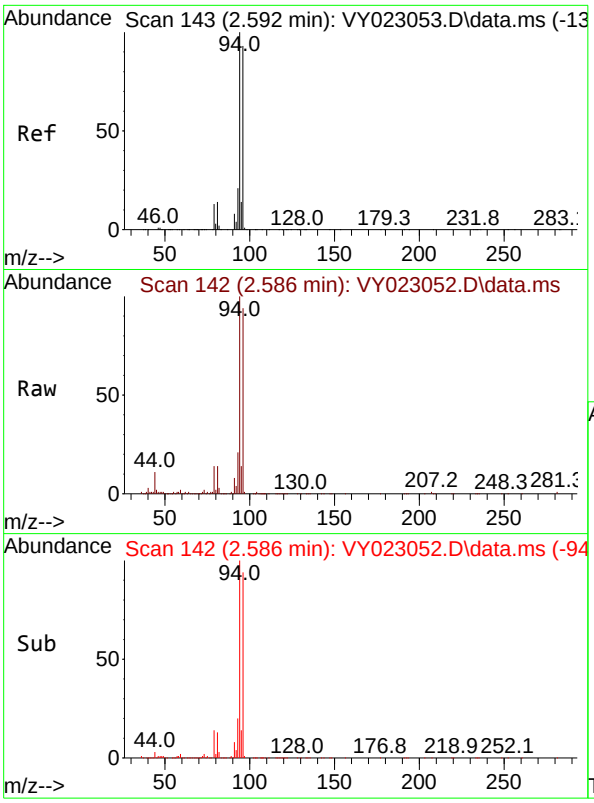


#4
Vinyl Chloride
Concen: 21.427 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 188307

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0

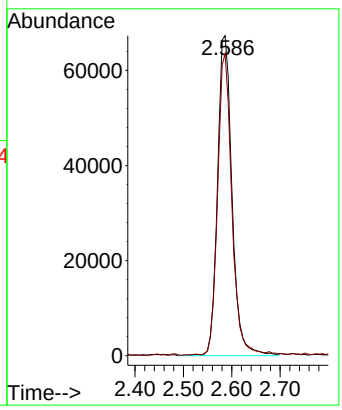




#5
Bromomethane
Concen: 21.410 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 94 Resp: 14051

Ion	Ratio	Lower	Upper
94	100		
96	94.1	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
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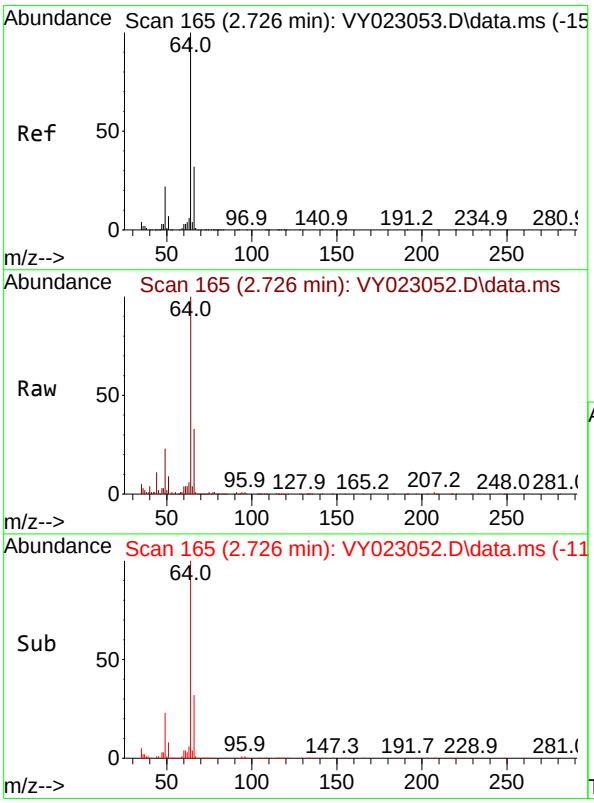
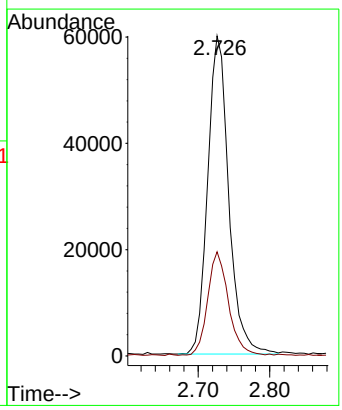
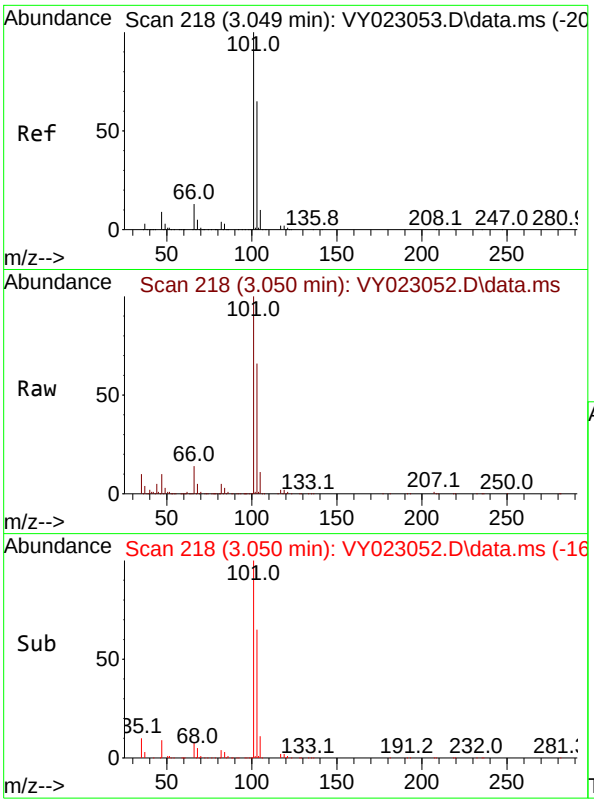


#6
Chloroethane
Concen: 20.934 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 64 Resp: 122310

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.8	38.6





#7
Trichlorofluoromethane
Concen: 21.090 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

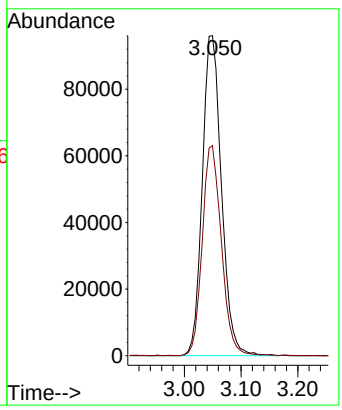
Tgt Ion:101 Resp: 22537

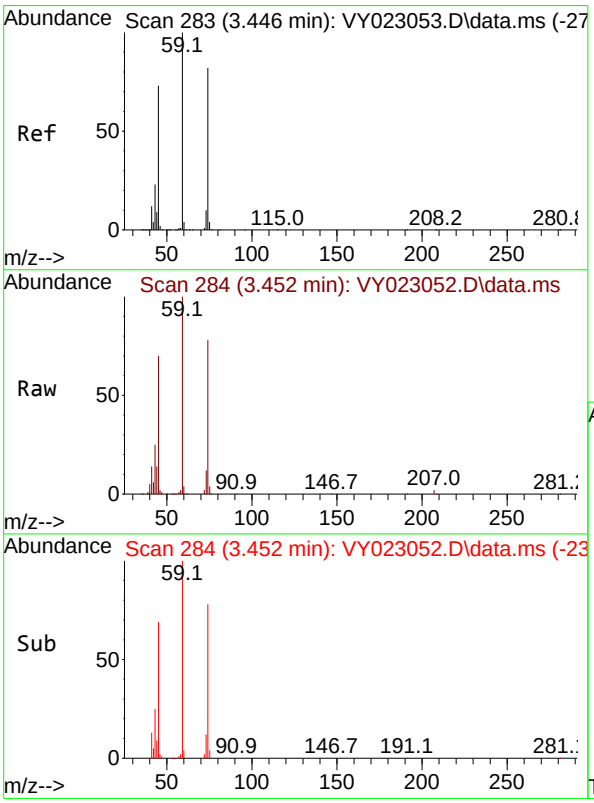
Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.9	77.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

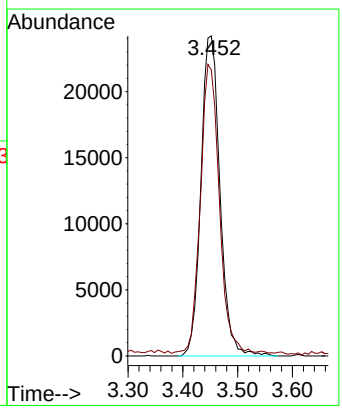


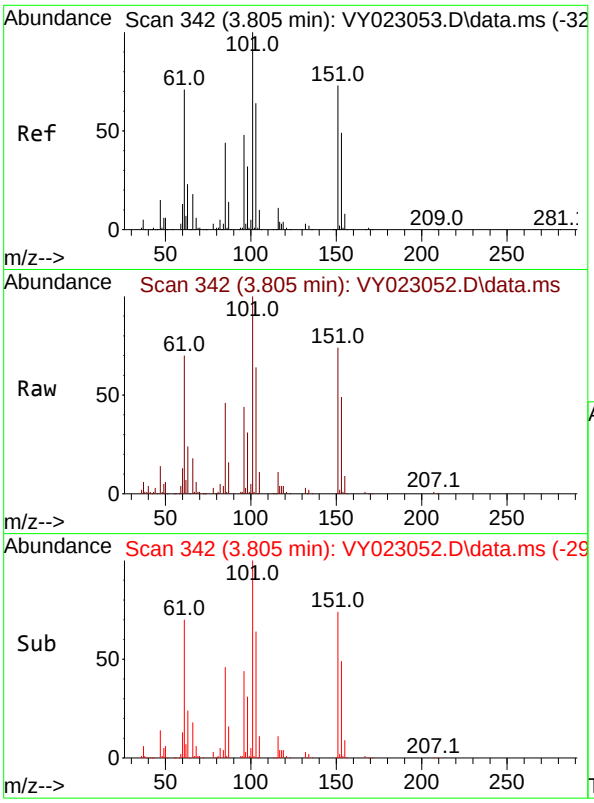


#8
Diethyl Ether
Concen: 20.602 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 74 Resp: 58245

Ion	Ratio	Lower	Upper
74	100		
45	89.8	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.267 ug/l
RT: 3.805 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:101 Resp: 11211(

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.3	54.5
151	76.8	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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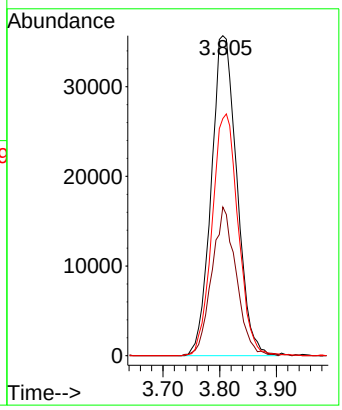
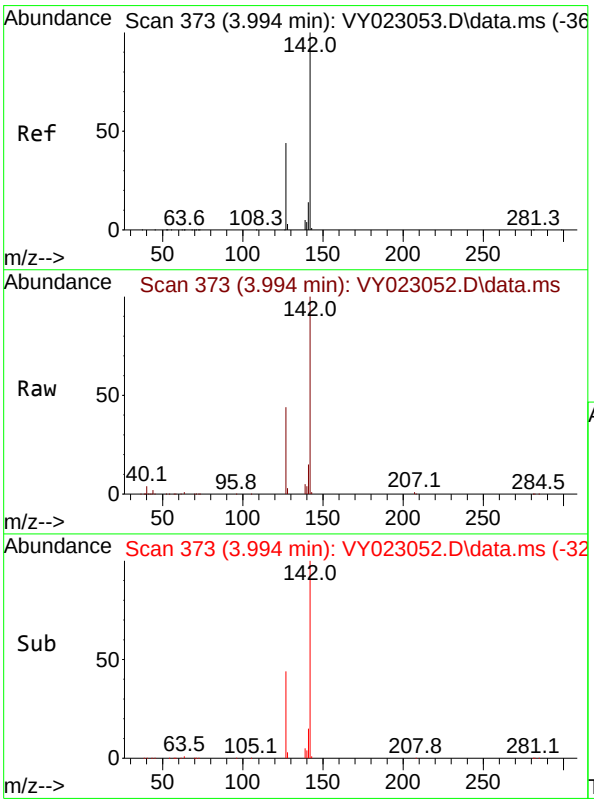
Supervised By :Semsettin Yesilyurt 08/14/2025

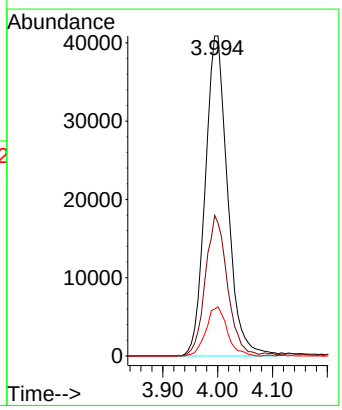


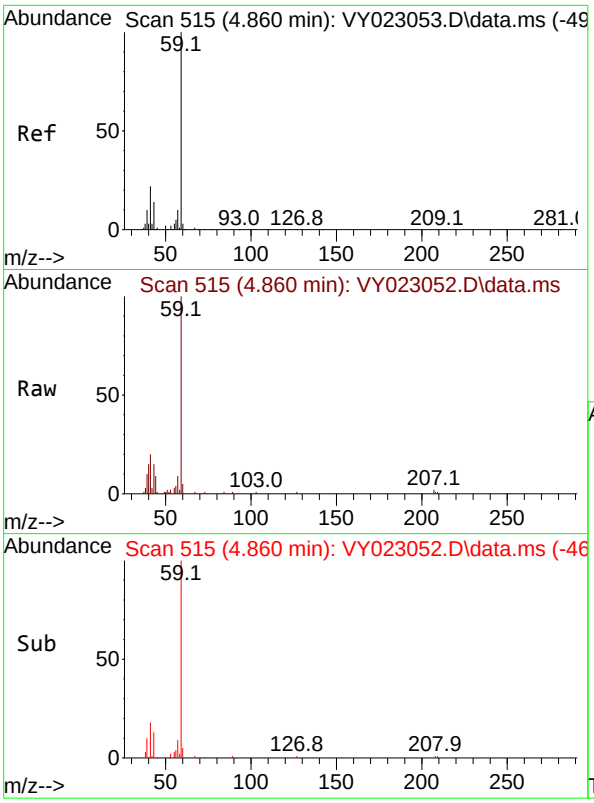


#10
Methyl Iodide
Concen: 20.370 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:142 Resp: 115879

Ion	Ratio	Lower	Upper
142	100		
127	43.0	34.9	52.3
141	14.6	11.3	16.9

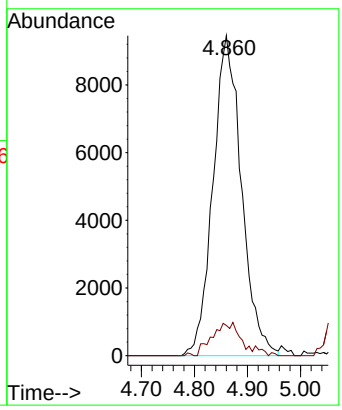




#11
Tert butyl alcohol
Concen: 100.214 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 59 Resp: 3519

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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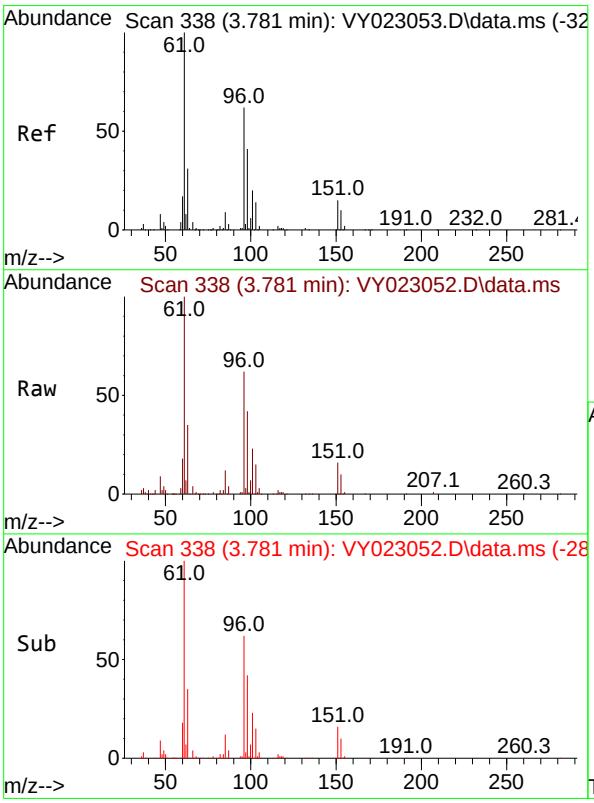
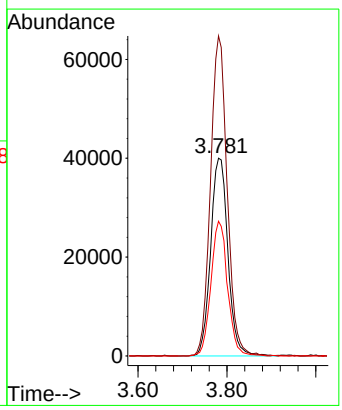
Supervised By :Semsettin Yesilyurt 08/14/2025

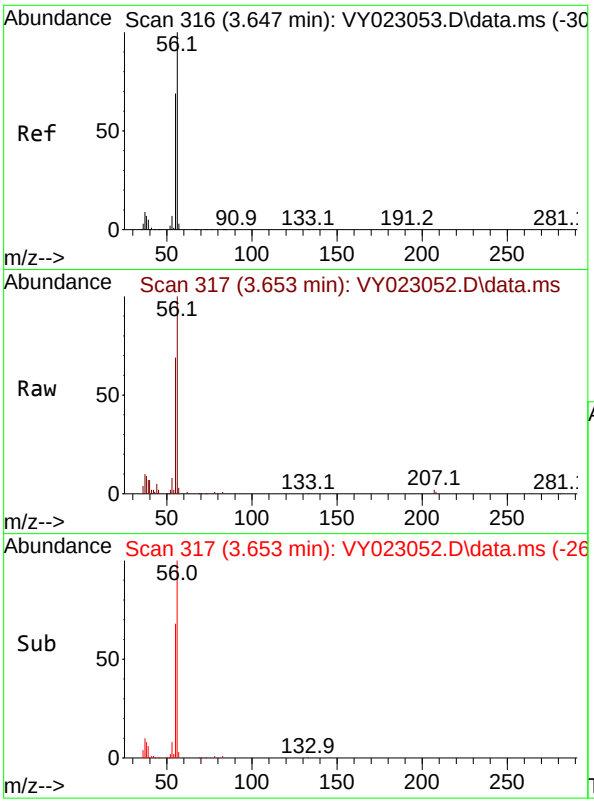


#12
1,1-Dichloroethene
Concen: 20.840 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 96 Resp: 107992

Ion	Ratio	Lower	Upper
96	100		
61	161.8	129.4	194.2
98	68.1	52.8	79.2

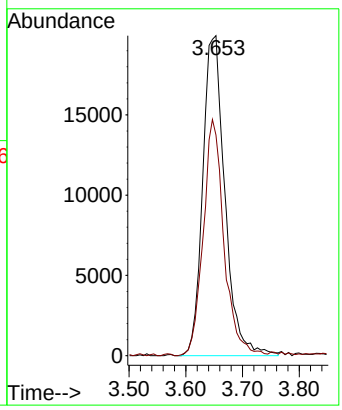




#13
Acrolein
Concen: 105.126 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 56 Resp: 5406

Ion	Ratio	Lower	Upper
56	100		
55	69.1	55.2	82.8



Instrument :
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ClientSampleId :
VSTDICC020

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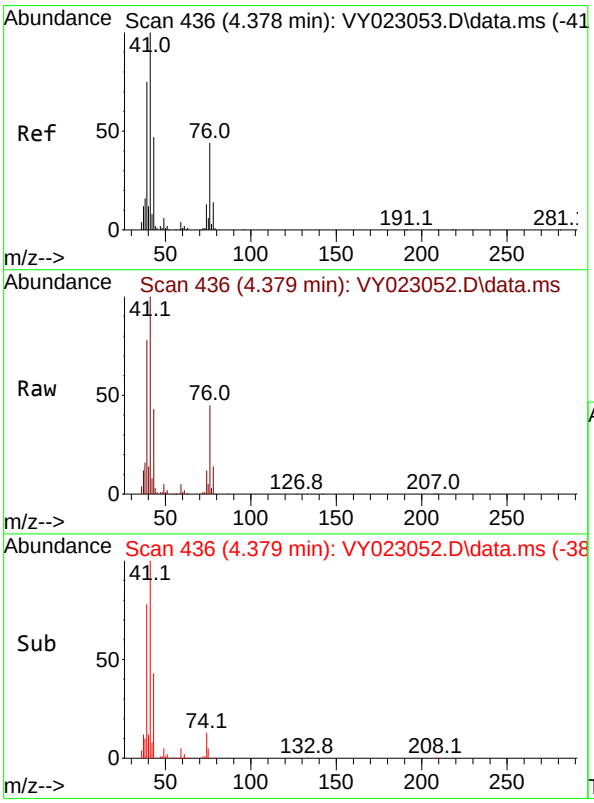
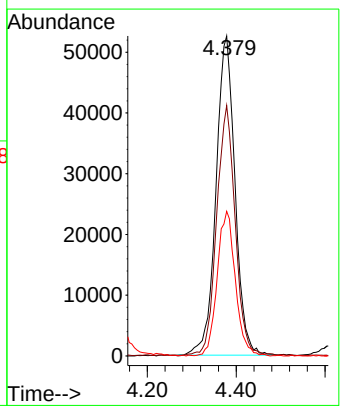
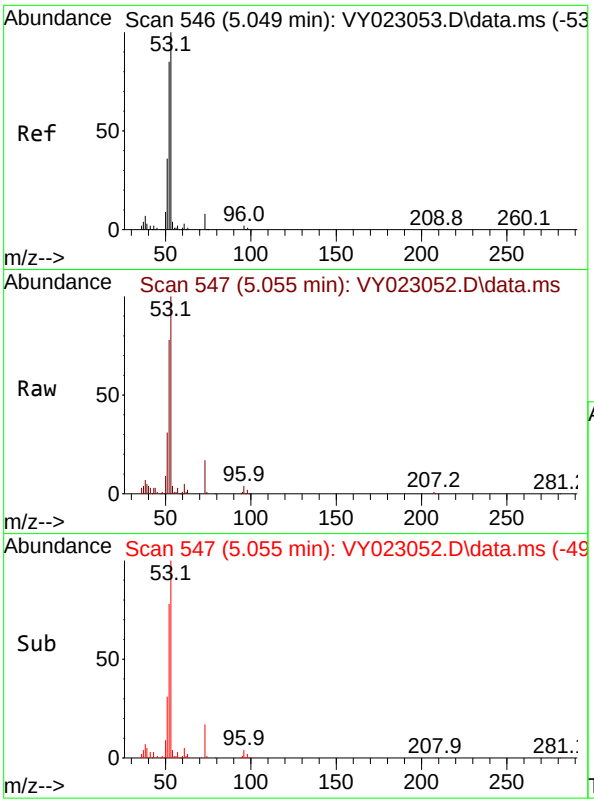


#14
Allyl chloride
Concen: 20.421 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 155709

Ion	Ratio	Lower	Upper
41	100		
39	77.1	59.8	89.6
76	43.3	33.7	50.5





#15
Acrylonitrile
Concen: 104.535 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 53 Resp: 12015

Ion	Ratio	Lower	Upper
53	100		
52	78.7	65.3	97.9
51	35.9	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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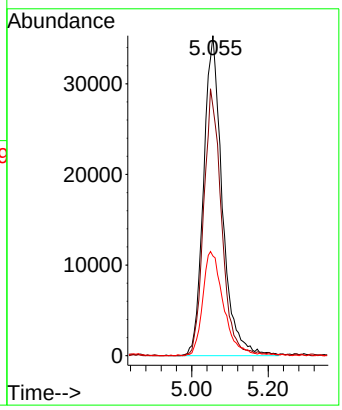
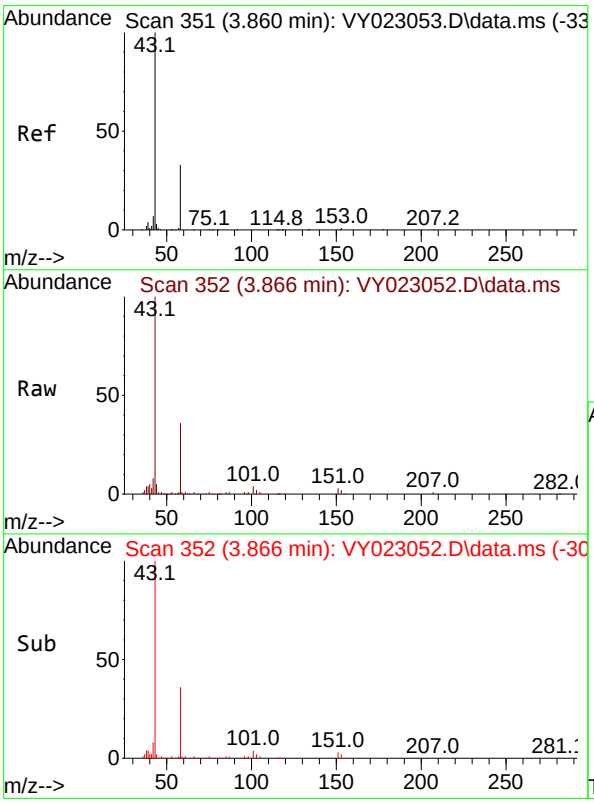
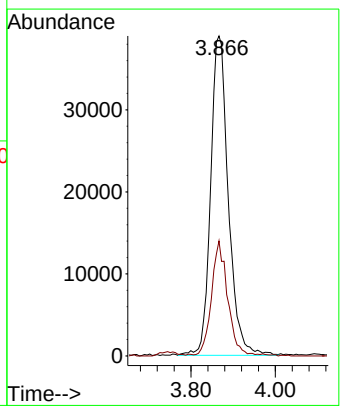


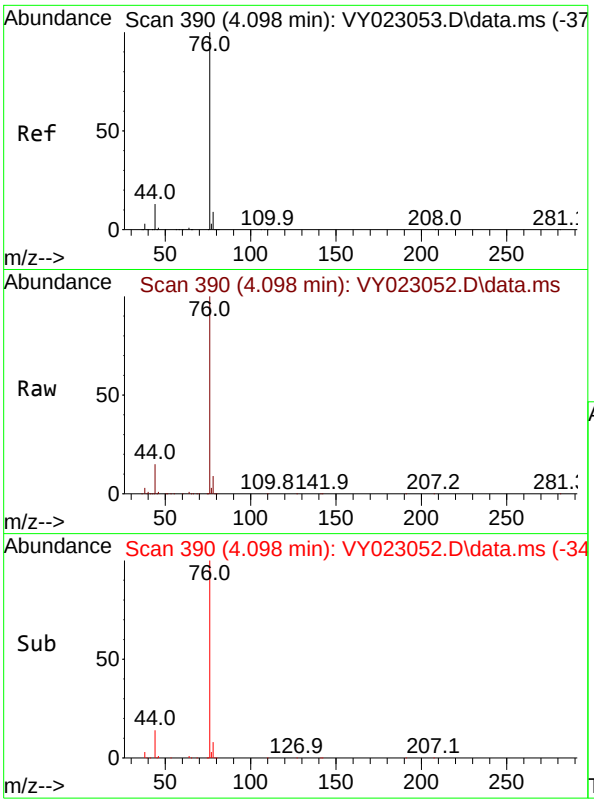


#16
Acetone
Concen: 102.193 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 113468

Ion	Ratio	Lower	Upper
43	100		
58	36.0	27.1	40.7

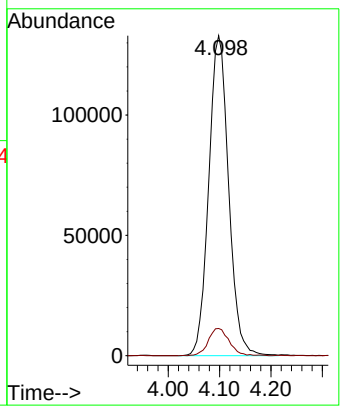




#17
Carbon Disulfide
Concen: 21.157 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 76 Resp: 35748

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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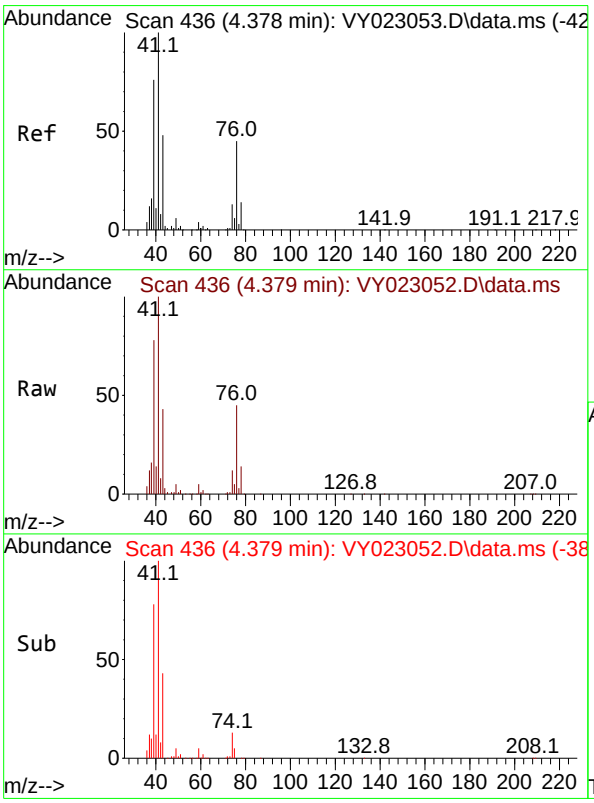
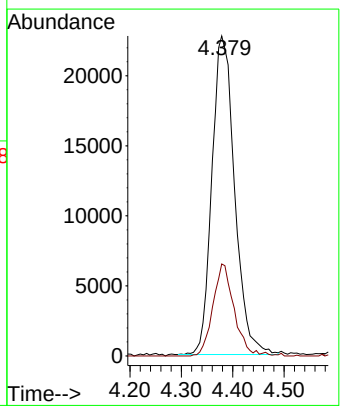
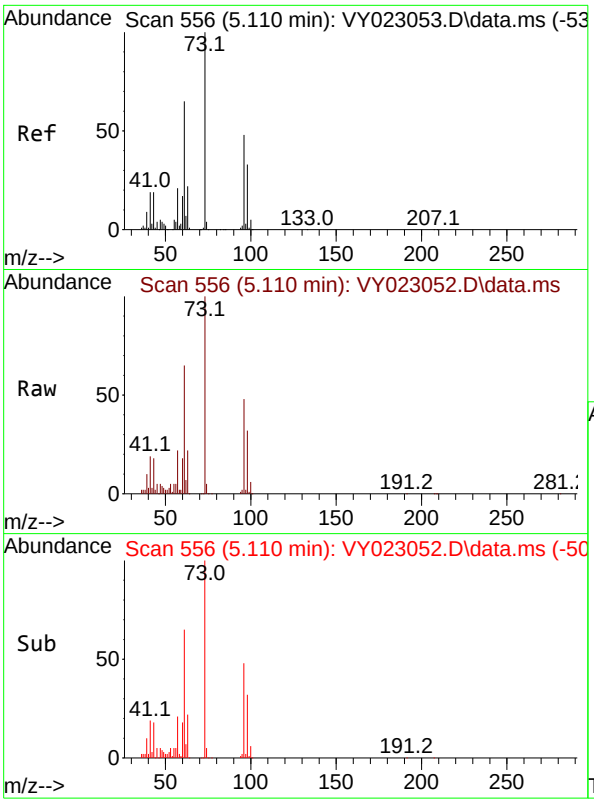


#18
Methyl Acetate
Concen: 21.141 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 69853

Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.2	31.8

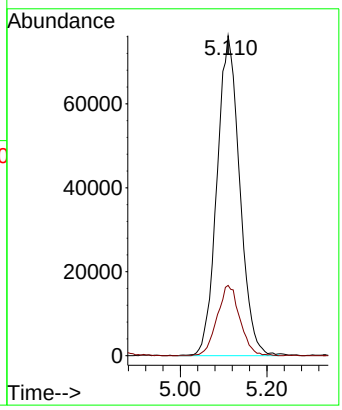




#19
Methyl tert-butyl Ether
Concen: 20.767 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 73 Resp: 27886

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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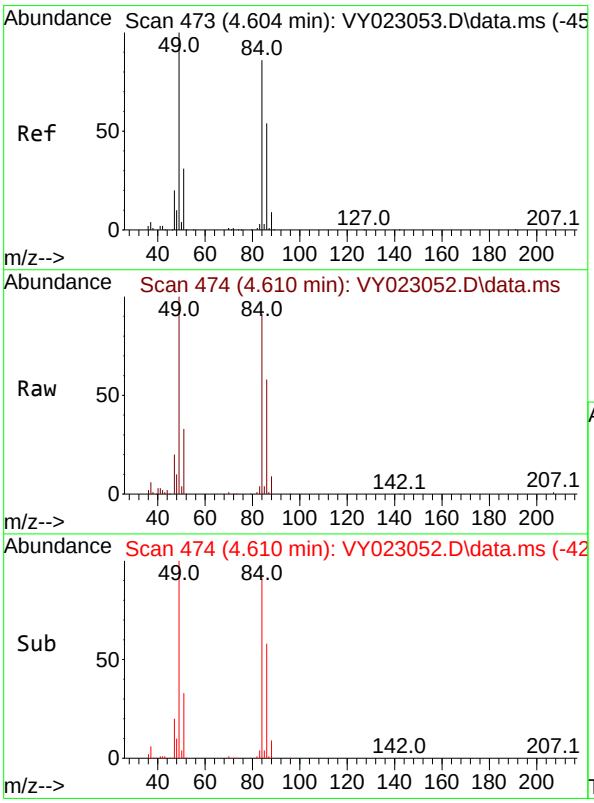
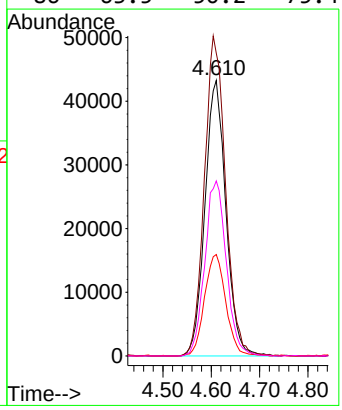
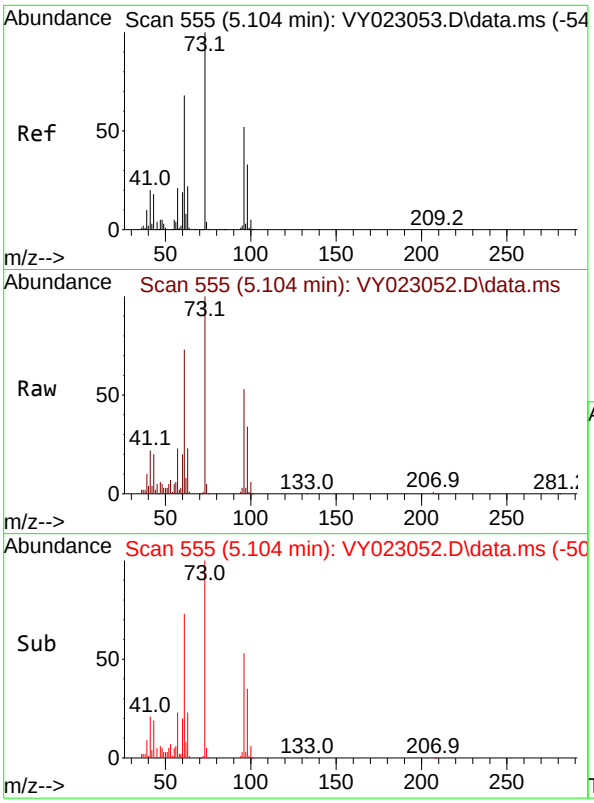


#20
Methylene Chloride
Concen: 21.069 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 84 Resp: 130416

Ion	Ratio	Lower	Upper
84	100		
49	109.9	93.0	139.6
51	36.8	29.0	43.4
86	63.5	50.2	75.4

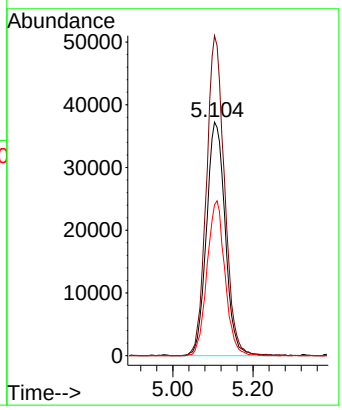




#21
trans-1,2-Dichloroethene
Concen: 20.661 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 96 Resp: 12032

Ion	Ratio	Lower	Upper
96	100		
61	137.0	104.8	157.2
98	64.7	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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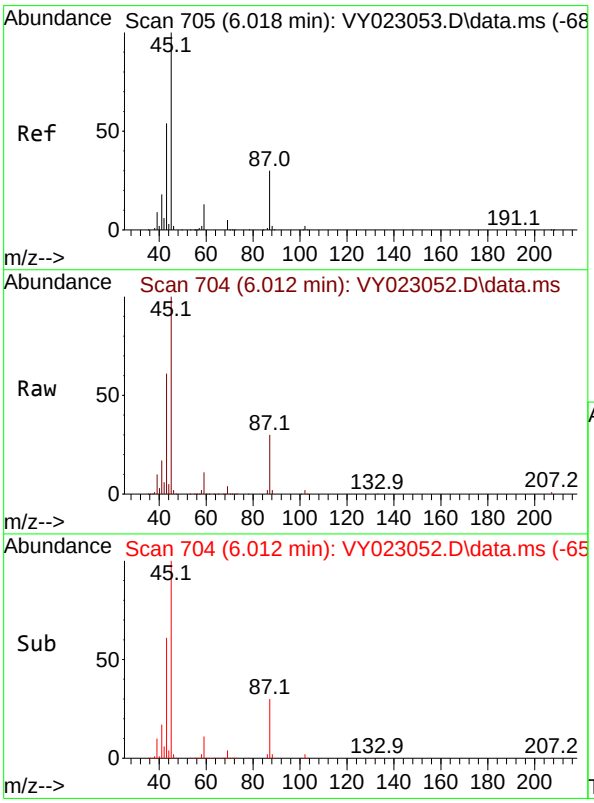
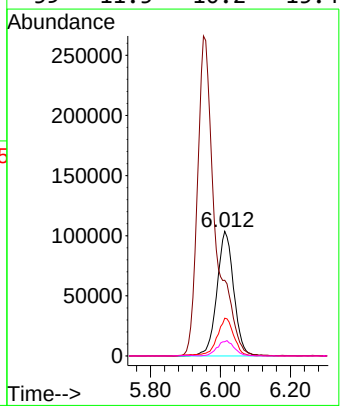
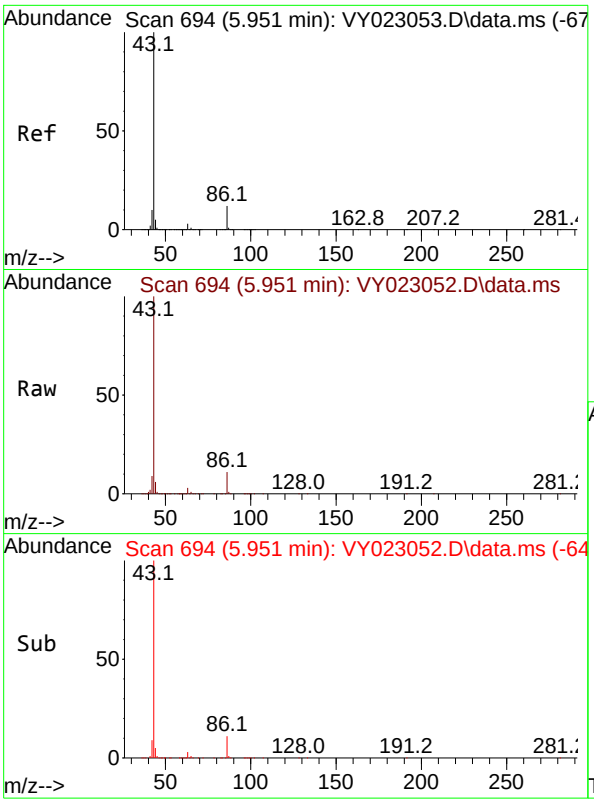


#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 45 Resp: 346195

Ion	Ratio	Lower	Upper
45	100		
43	60.5	43.4	65.0
87	30.3	24.4	36.6
59	11.5	10.2	15.4

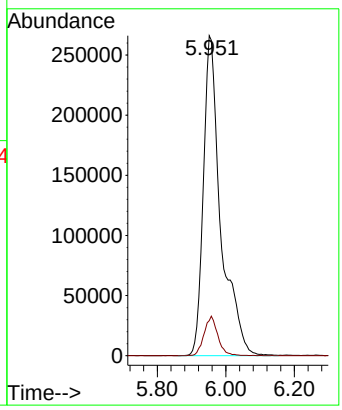




#23
Vinyl Acetate
Concen: 102.748 ug/l
RT: 5.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 94136

Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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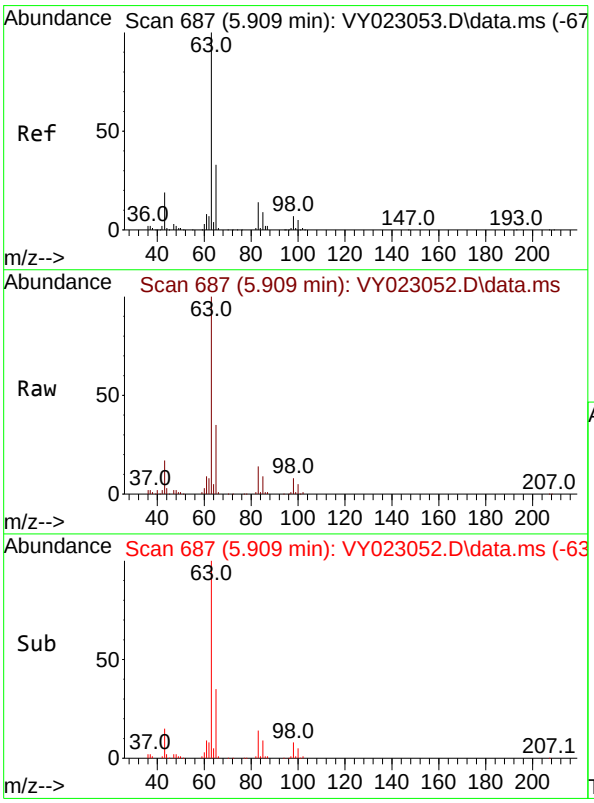
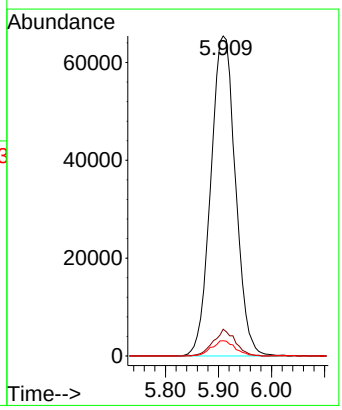
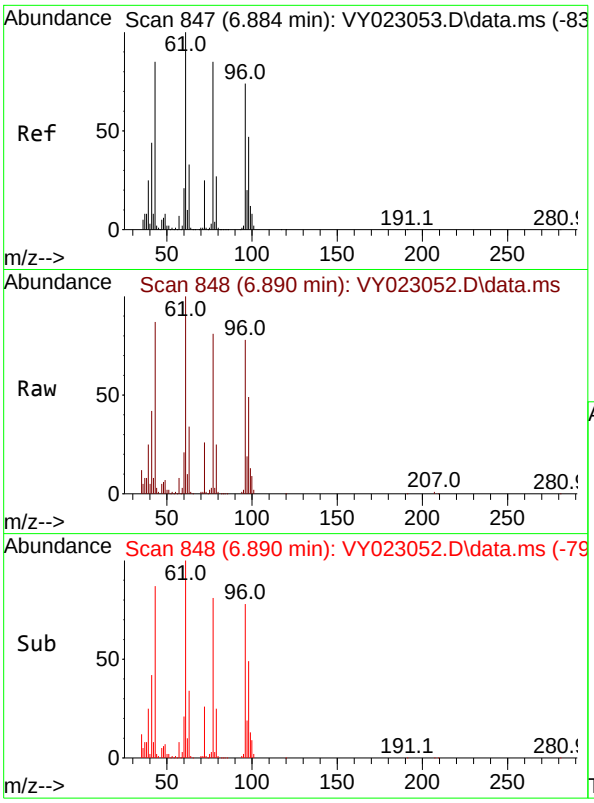


#24
1,1-Dichloroethane
Concen: 20.884 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 211558

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.5	10.6
100	4.8	2.4	7.1

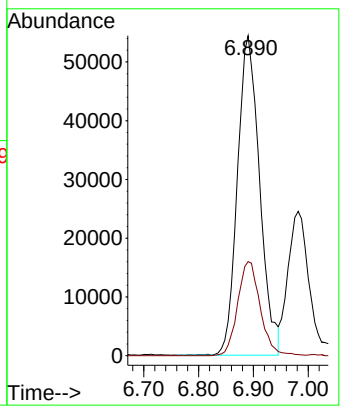




#25
2-Butanone
Concen: 101.559 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 15336

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.5	35.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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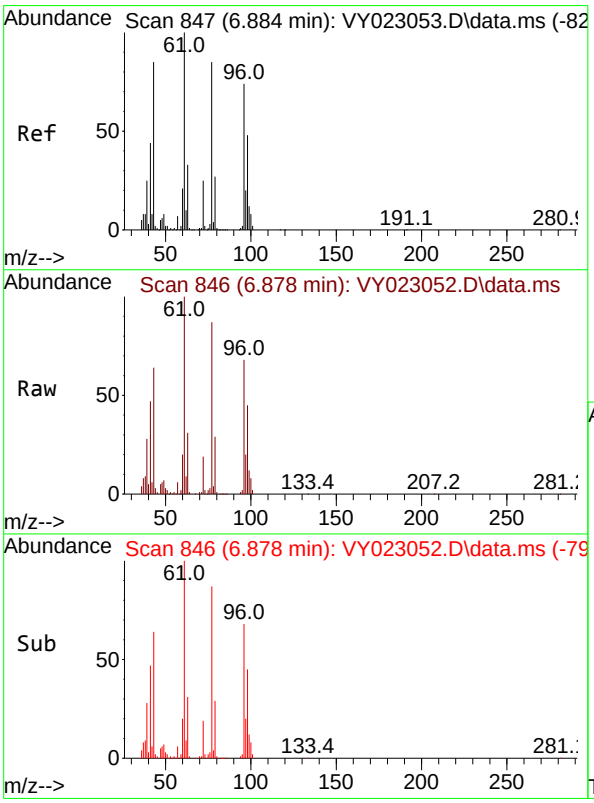
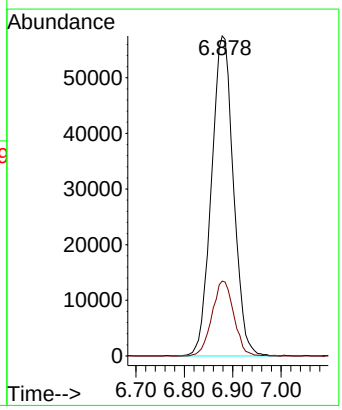
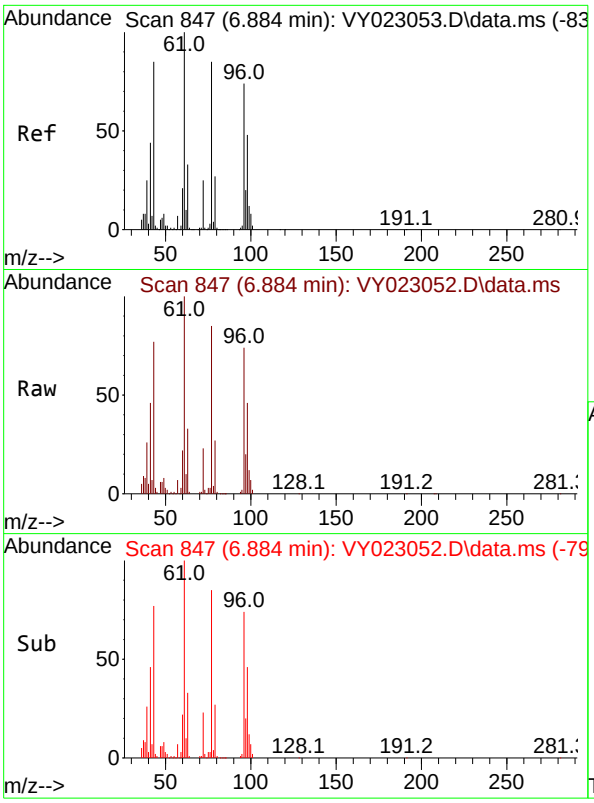


#26
2,2-Dichloropropane
Concen: 20.767 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 77 Resp: 181528

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 20.613 ug/l
RT: 6.884 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 96 Resp: 13877

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	278.6
98	63.4	0.0	130.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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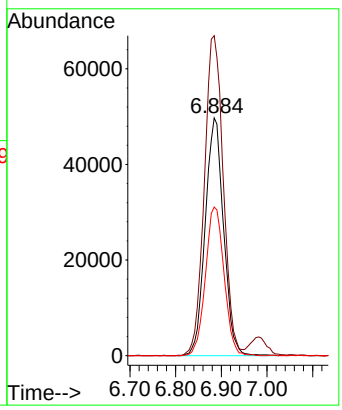
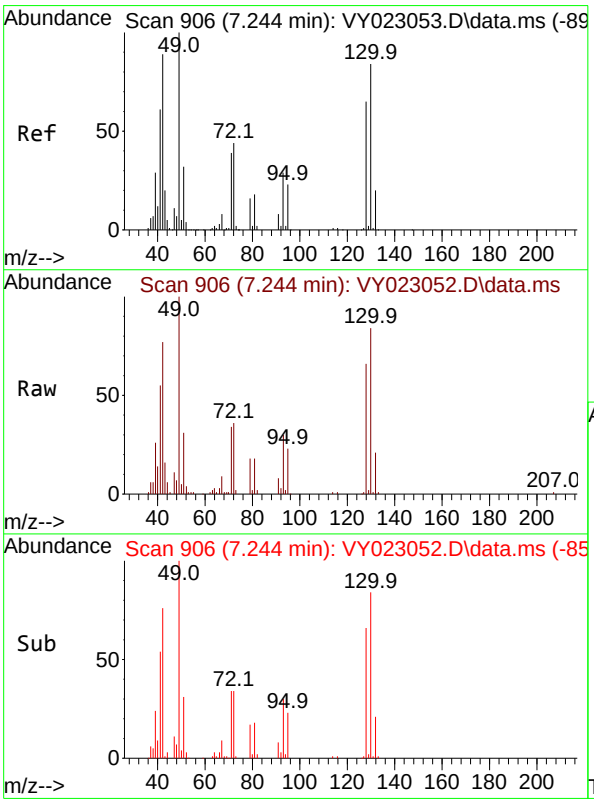
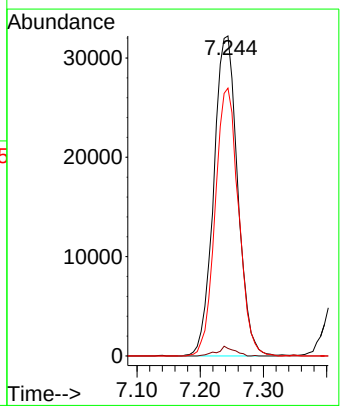


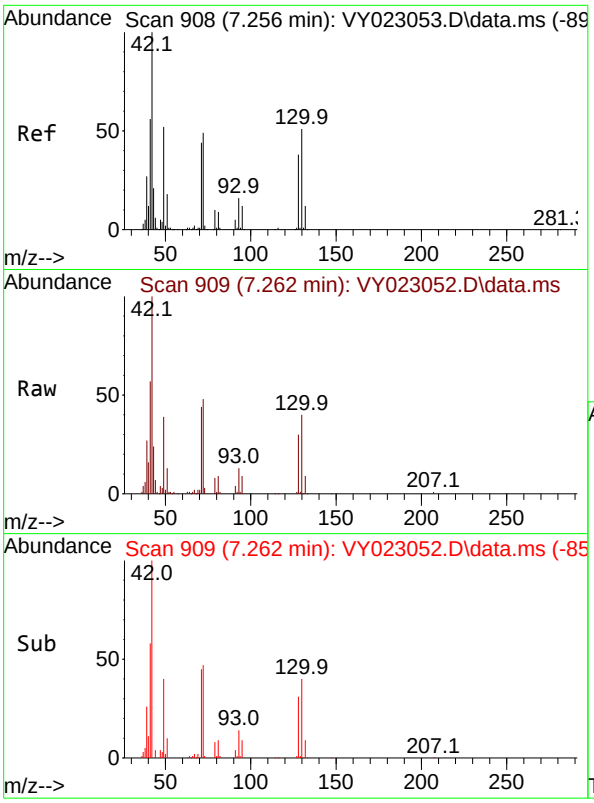


#28
Bromochloromethane
Concen: 21.035 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 49 Resp: 84540

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.7	66.4	99.6

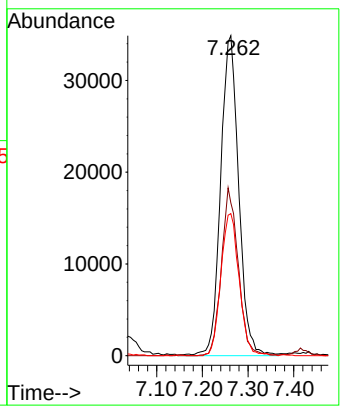




#29
Tetrahydrofuran
Concen: 102.341 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 42 Resp: 9579

Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.4	59.2
71	44.8	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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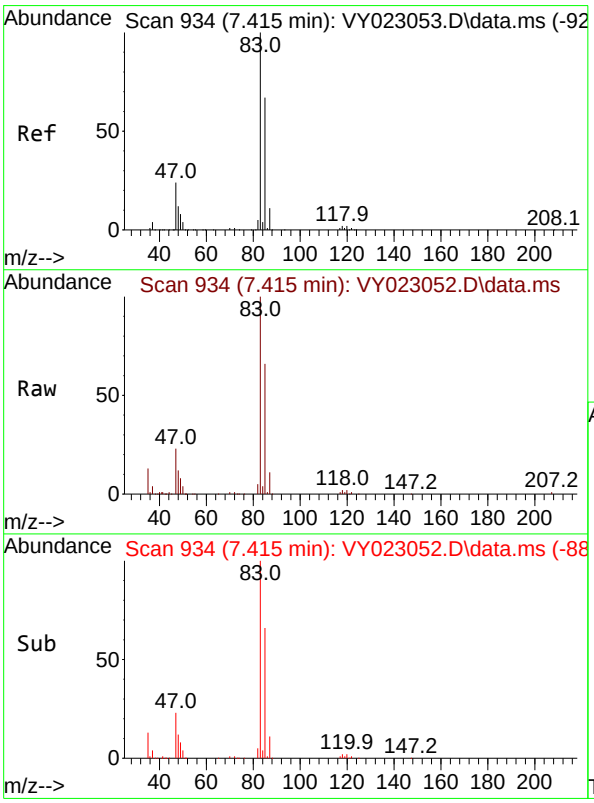
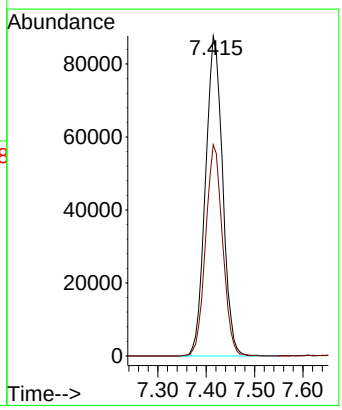
Supervised By :Semsettin Yesilyurt 08/14/2025

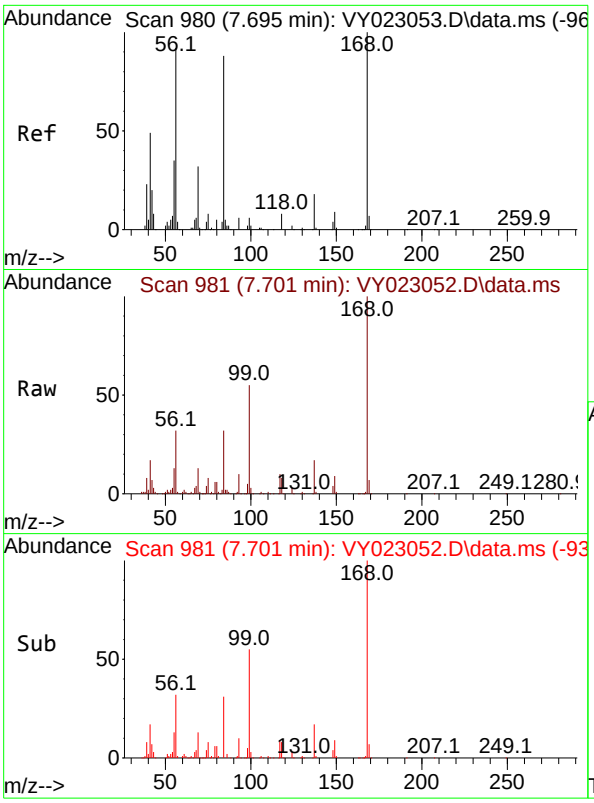


#30
Chloroform
Concen: 20.635 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 83 Resp: 215585

Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.8	80.8

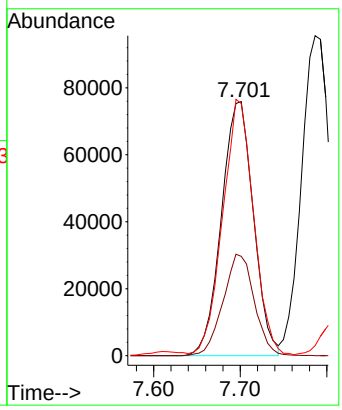




#31
Cyclohexane
Concen: 20.393 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 56 Resp: 19467

Ion	Ratio	Lower	Upper
56	100		
69	39.1	28.2	42.2
84	98.0	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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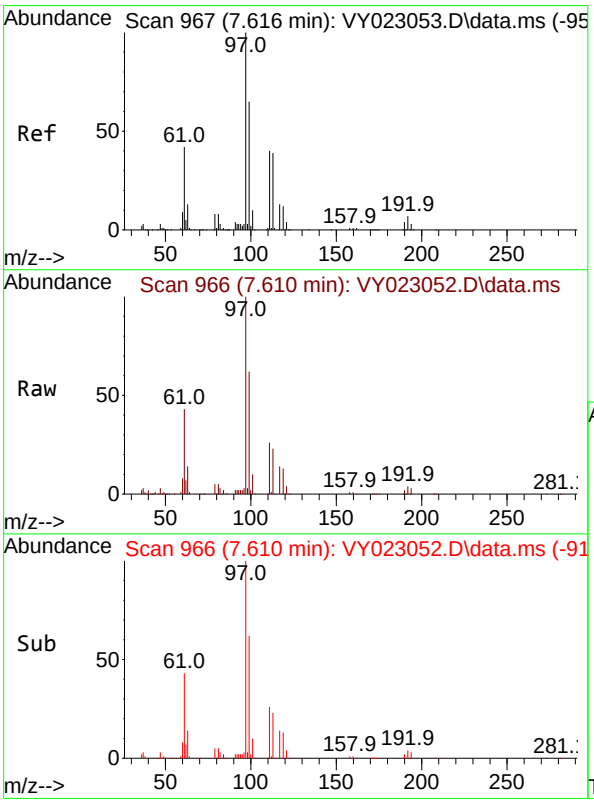
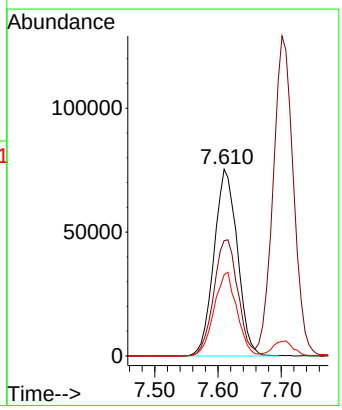
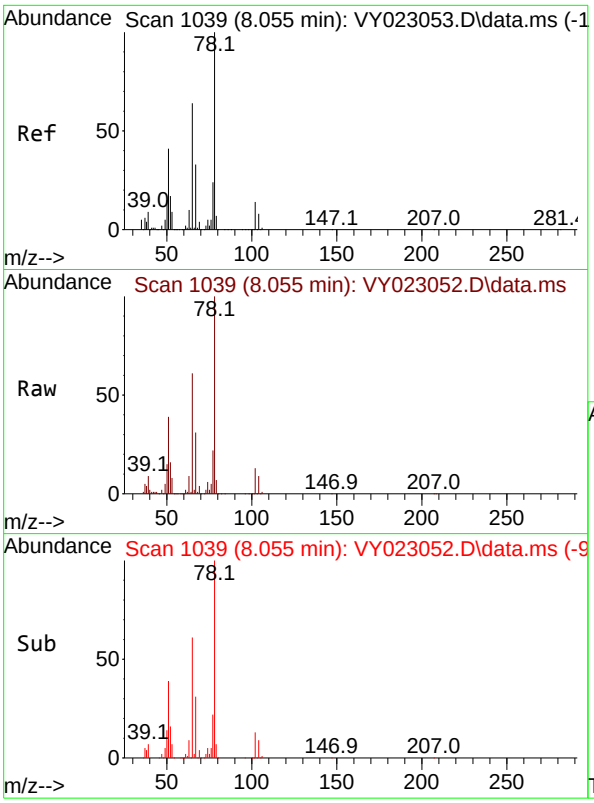


#32
1,1,1-Trichloroethane
Concen: 20.848 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 97 Resp: 193268

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.9	34.2	51.2

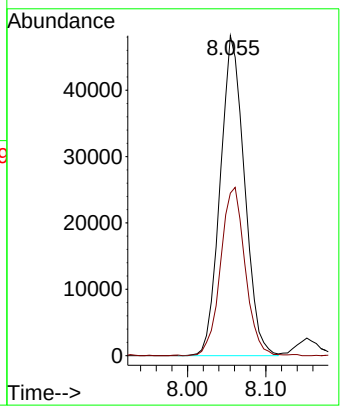




#33
1,2-Dichloroethane-d4
Concen: 20.244 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 65 Resp: 10375

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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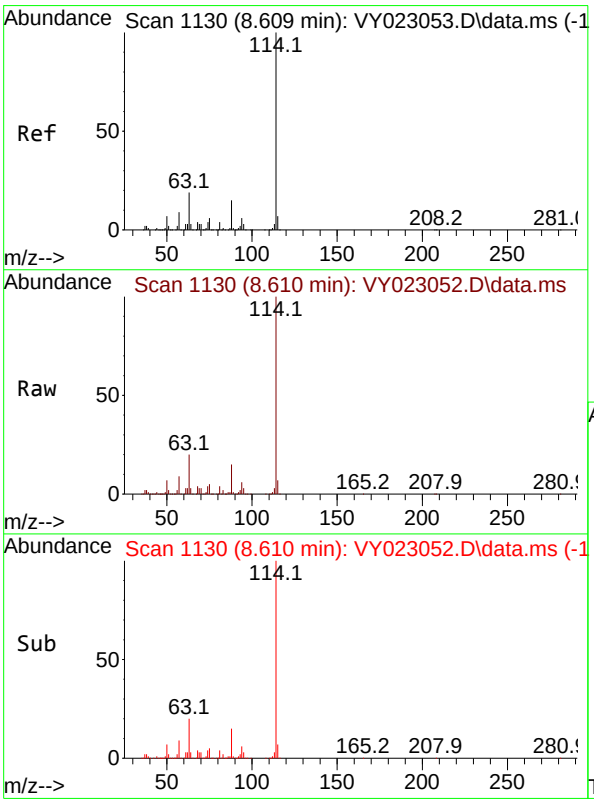
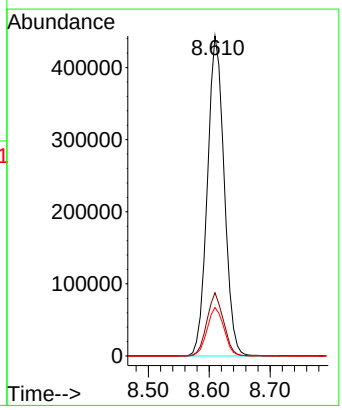
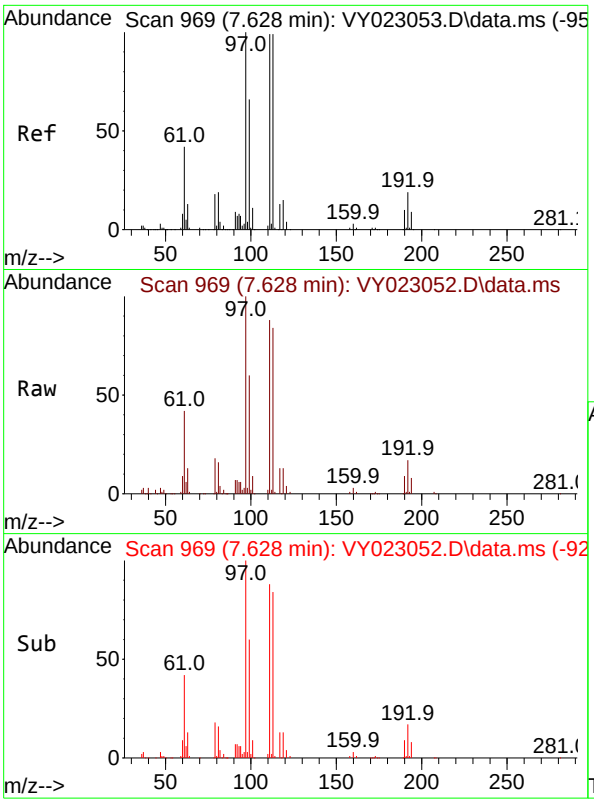


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:114 Resp: 848953

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.4
88	15.2	0.0	30.0

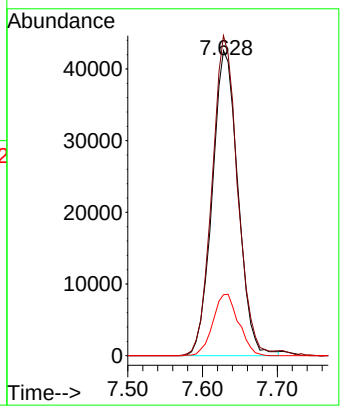




#35
Dibromofluoromethane
Concen: 20.093 ug/l
RT: 7.628 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:113 Resp: 10206(

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.1	121.7
192	20.1	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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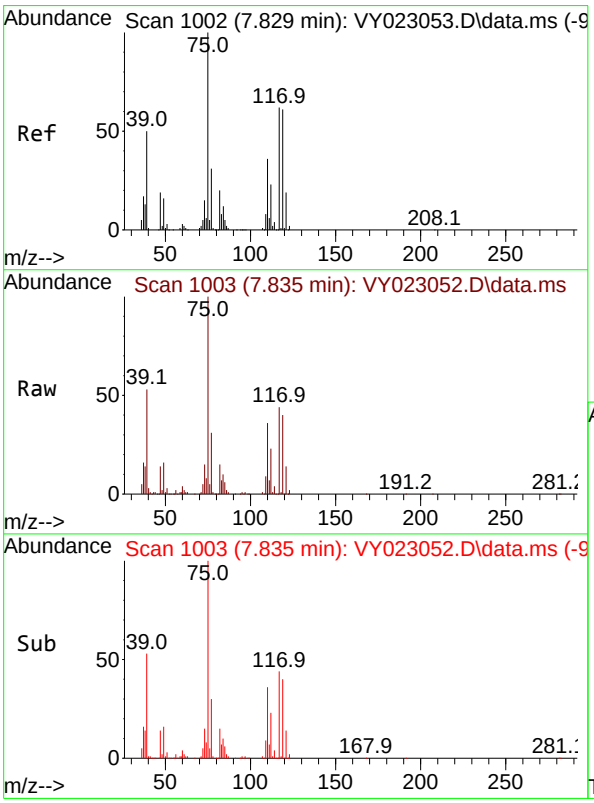
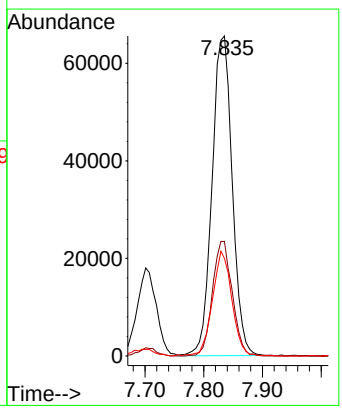
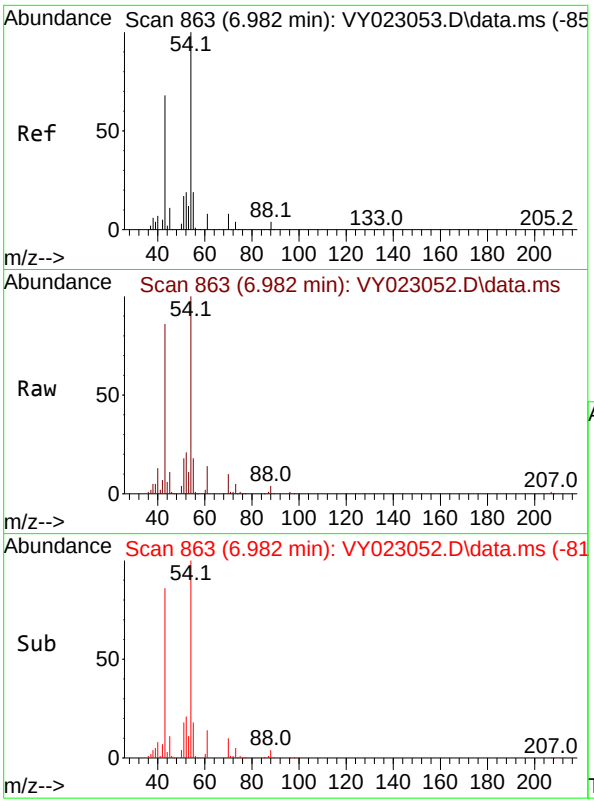


#36
1,1-Dichloropropene
Concen: 20.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 156617

Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.1	54.4
77	31.6	24.6	37.0





#37
Ethyl Acetate
Concen: 20.944 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 6642

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.0	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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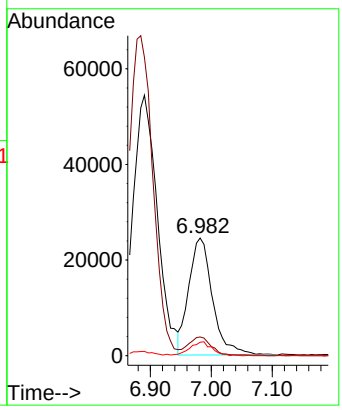
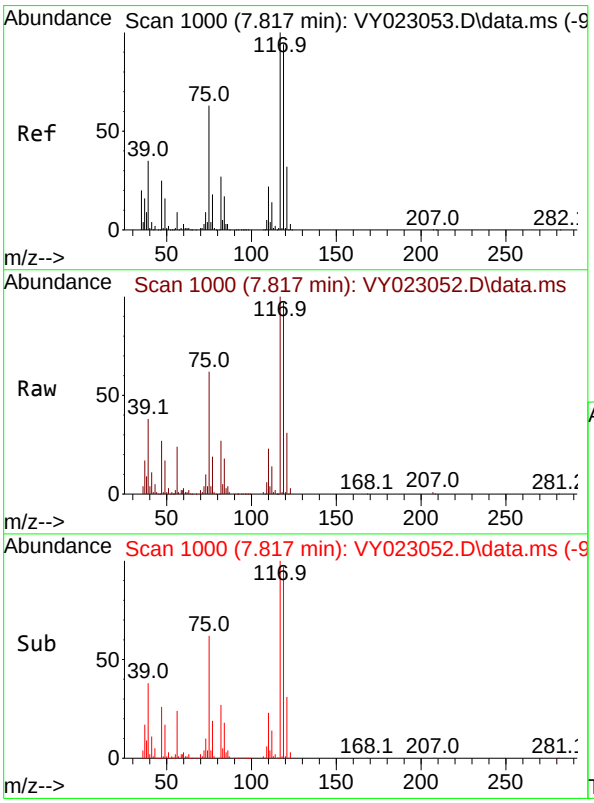
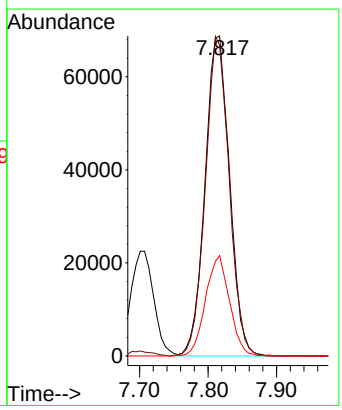


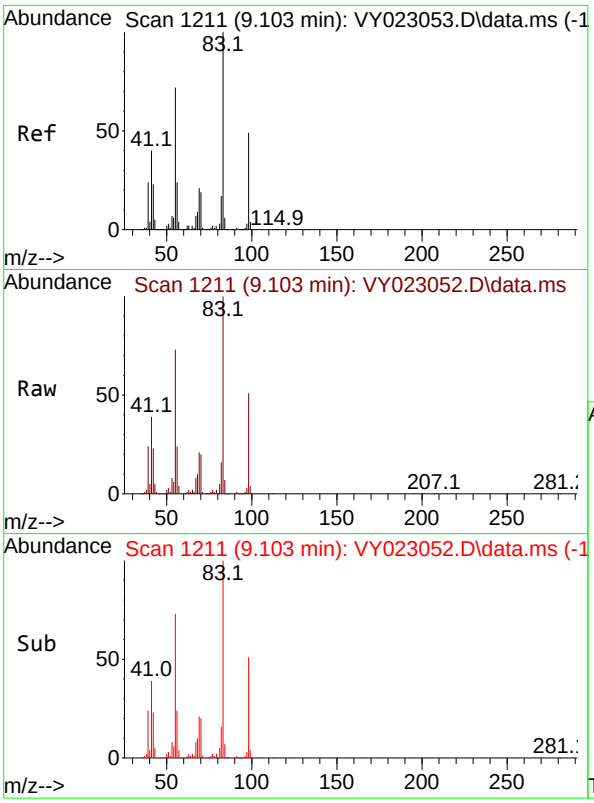


#38
Carbon Tetrachloride
Concen: 20.897 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:117 Resp: 171344

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	31.3	25.8	38.8





#39
Methylcyclohexane
Concen: 20.680 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 83 Resp: 20559

Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.6	86.4
98	50.7	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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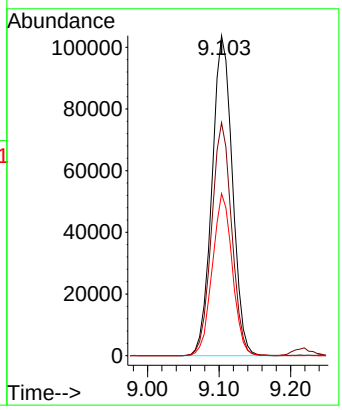
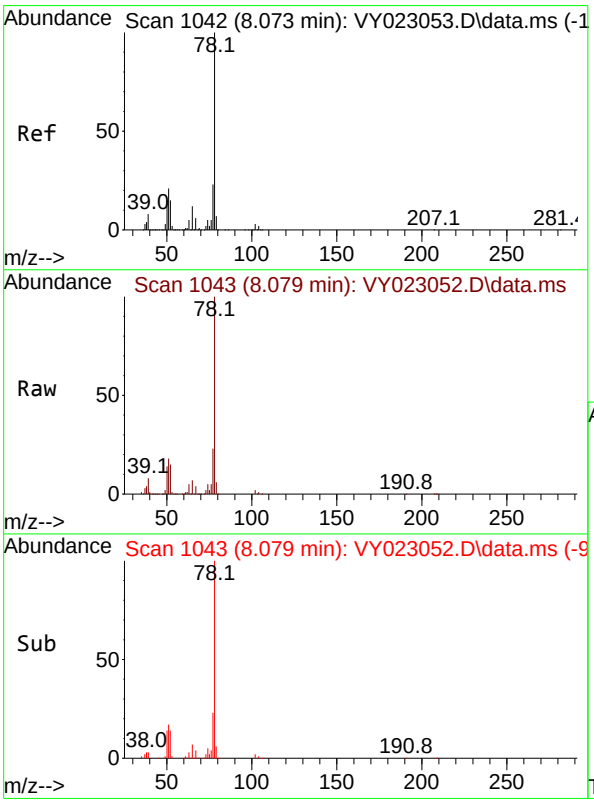
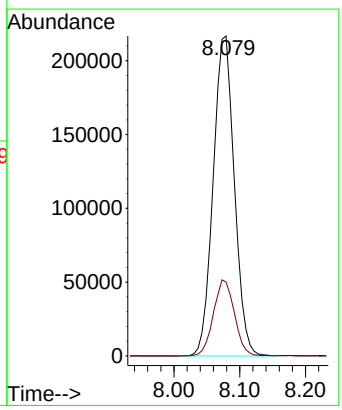


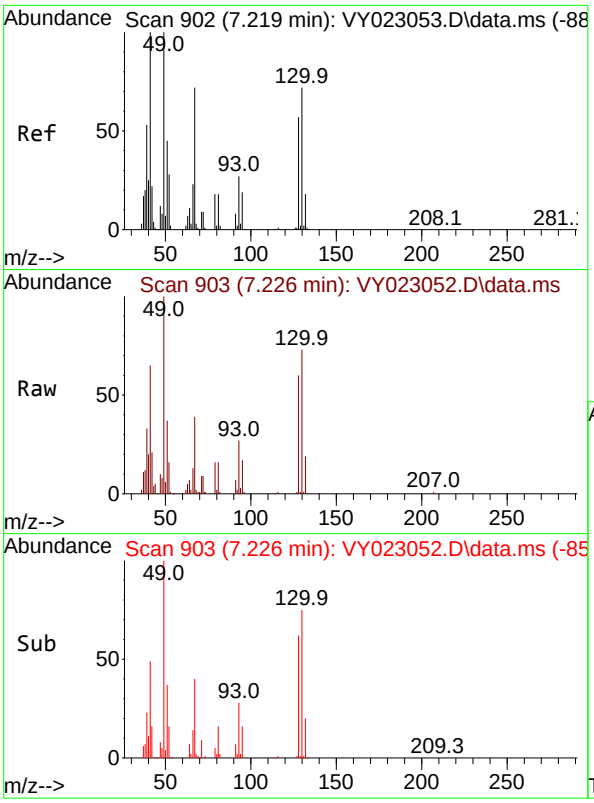


#40
Benzene
Concen: 20.871 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 78 Resp: 485631

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0

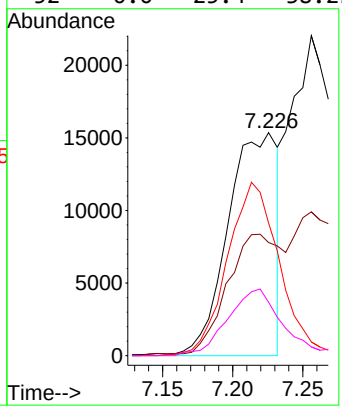




#41
Methacrylonitrile
Concen: 20.623 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 3778

Ion	Ratio	Lower	Upper
41	100		
39	62.3	43.4	65.2
67	0.0	63.6	95.4#
52	0.0	25.4	38.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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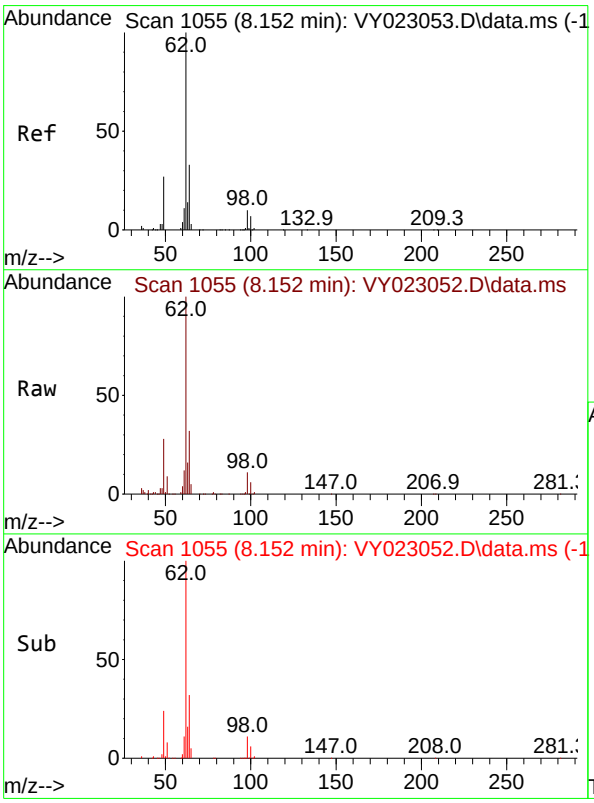
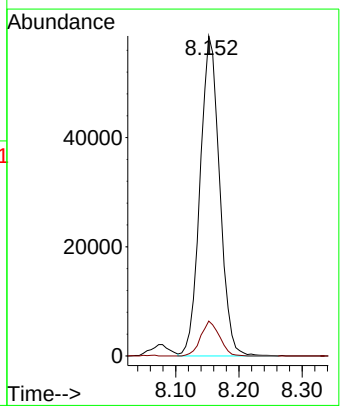
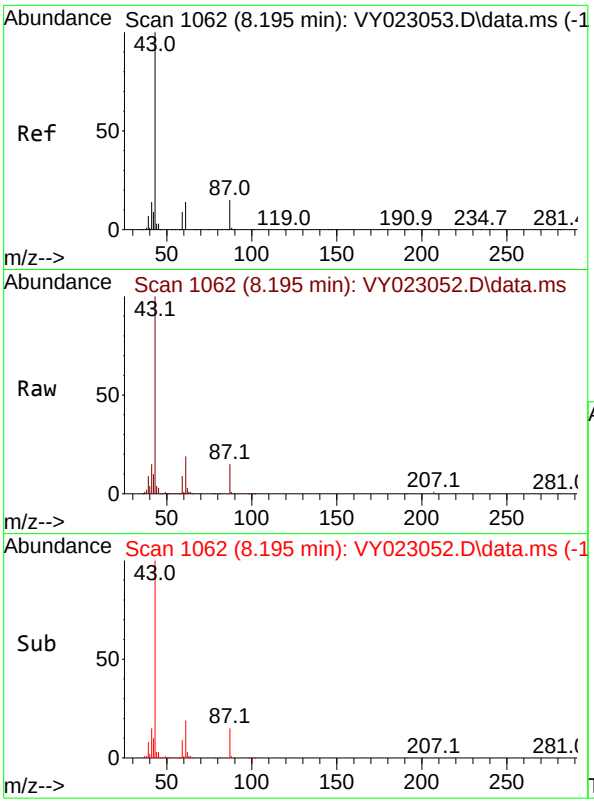


#42
1,2-Dichloroethane
Concen: 20.839 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 126111

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6

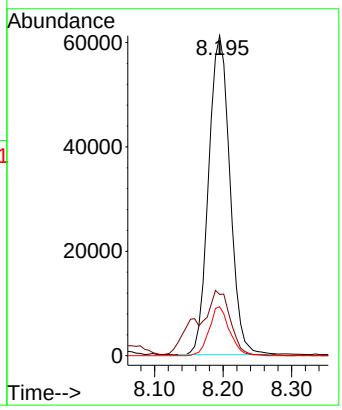




#43
Isopropyl Acetate
Concen: 20.571 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 13185

Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	14.7	11.8	17.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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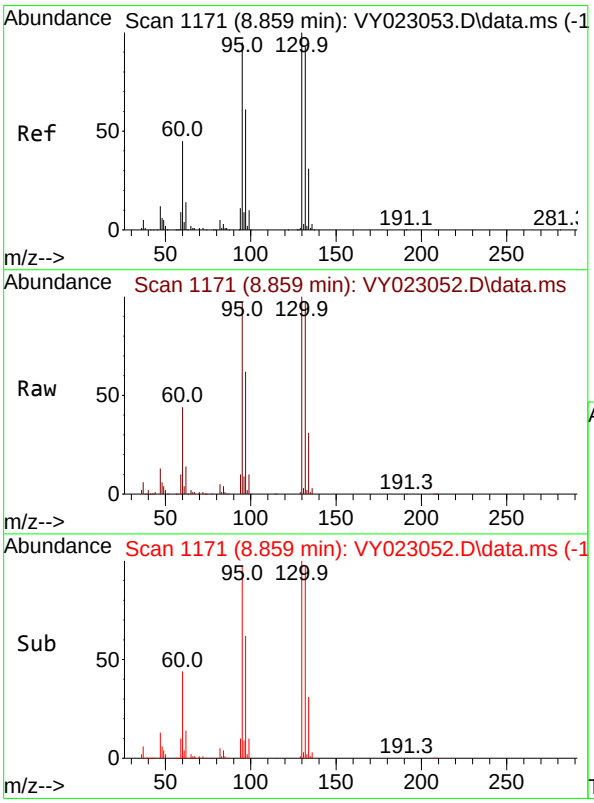
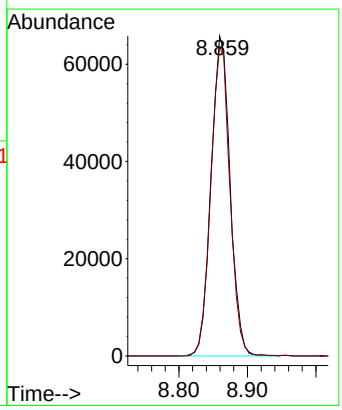
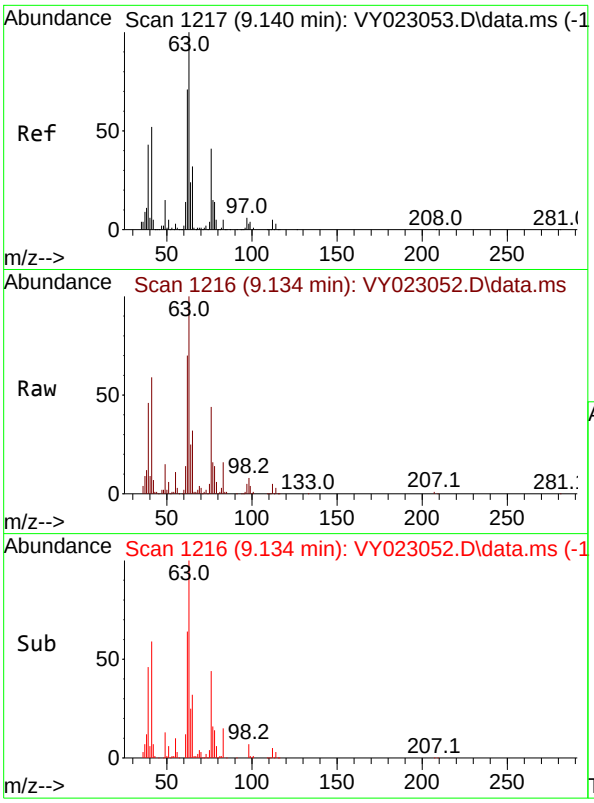


#44
Trichloroethene
Concen: 21.083 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:130 Resp: 126772

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	190.2

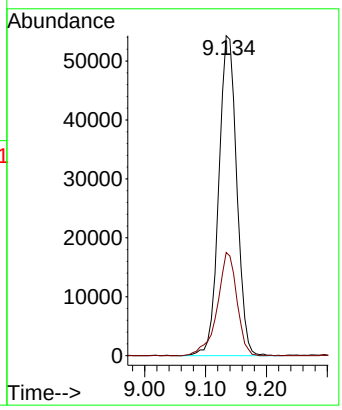




#45
1,2-Dichloropropane
Concen: 20.677 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 11069

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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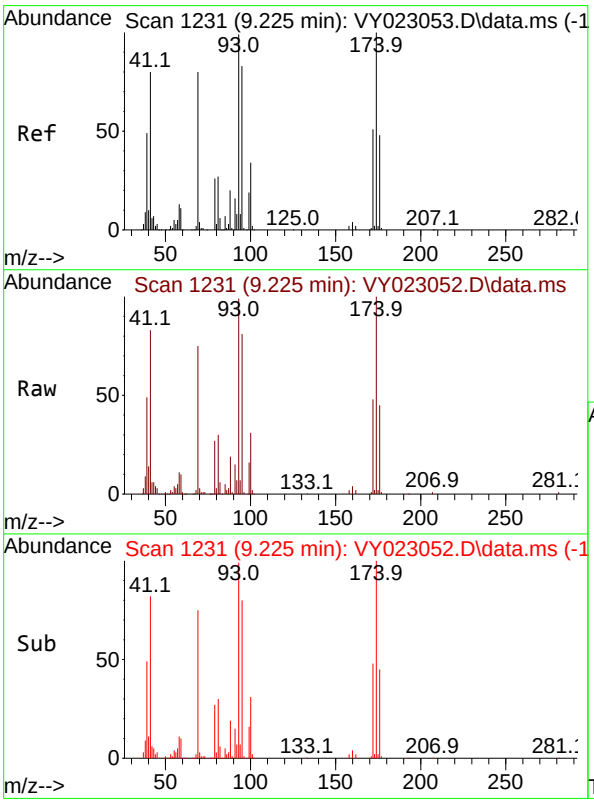
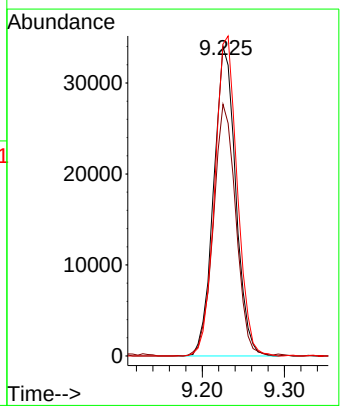
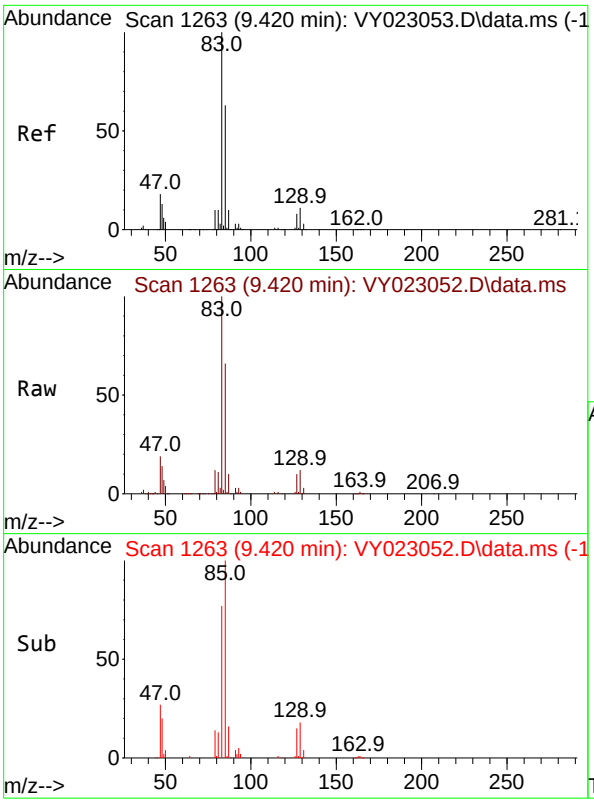


#46
Dibromomethane
Concen: 20.635 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 93 Resp: 63410

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.5	99.7
174	105.0	81.8	122.8

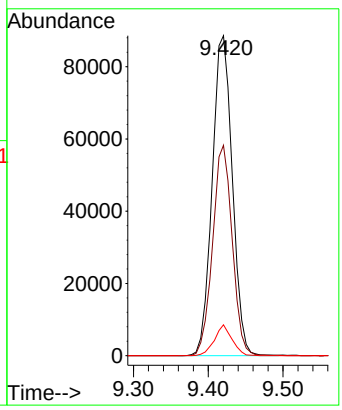




#47
Bromodichloromethane
Concen: 20.988 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 83 Resp: 16595

Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.2	75.4
127	9.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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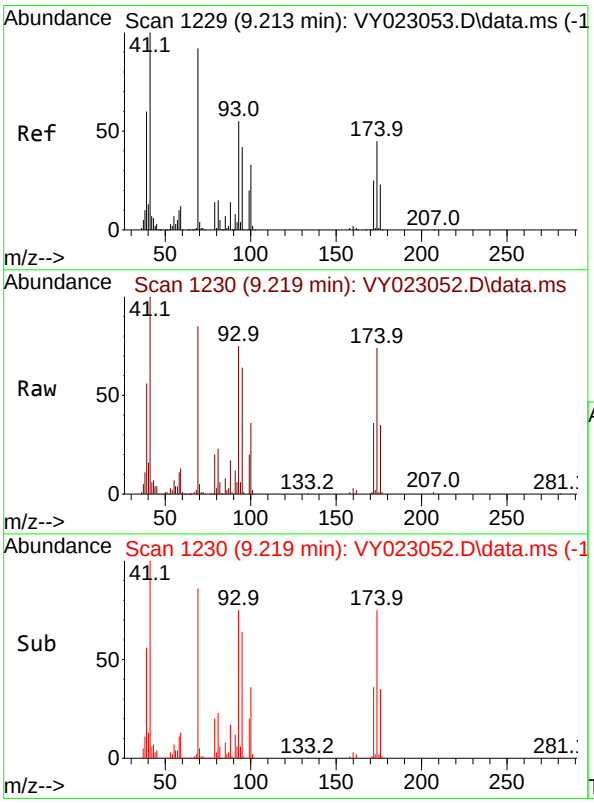
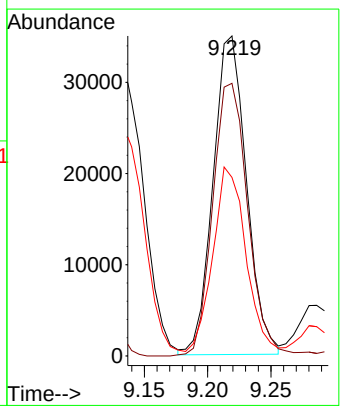
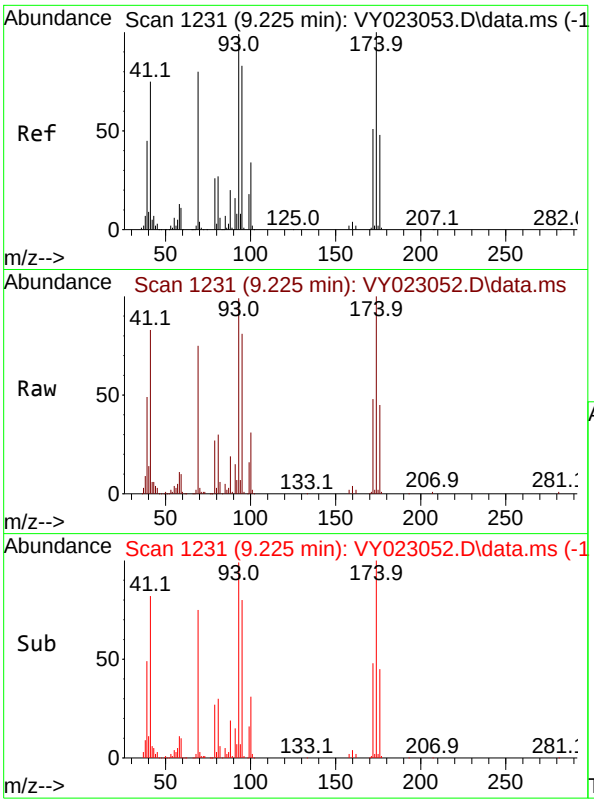


#48
Methyl methacrylate
Concen: 20.905 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 64120

Ion	Ratio	Lower	Upper
41	100		
69	89.9	73.2	109.8
39	57.0	47.0	70.4





#49
1,4-Dioxane
Concen: 411.480 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 88 Resp: 1482

Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.3	36.5
58	71.4	55.4	83.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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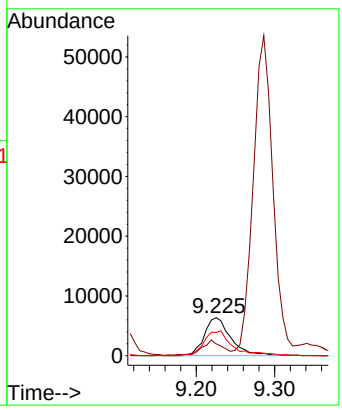
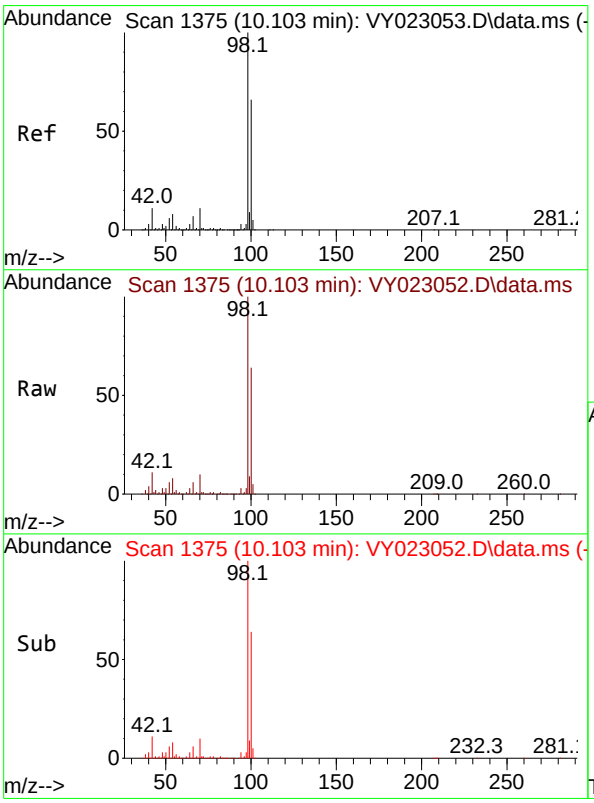
Supervised By :Semsettin Yesilyurt 08/14/2025

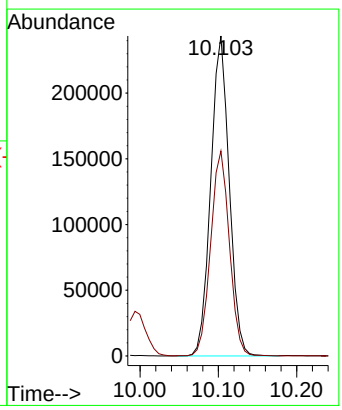


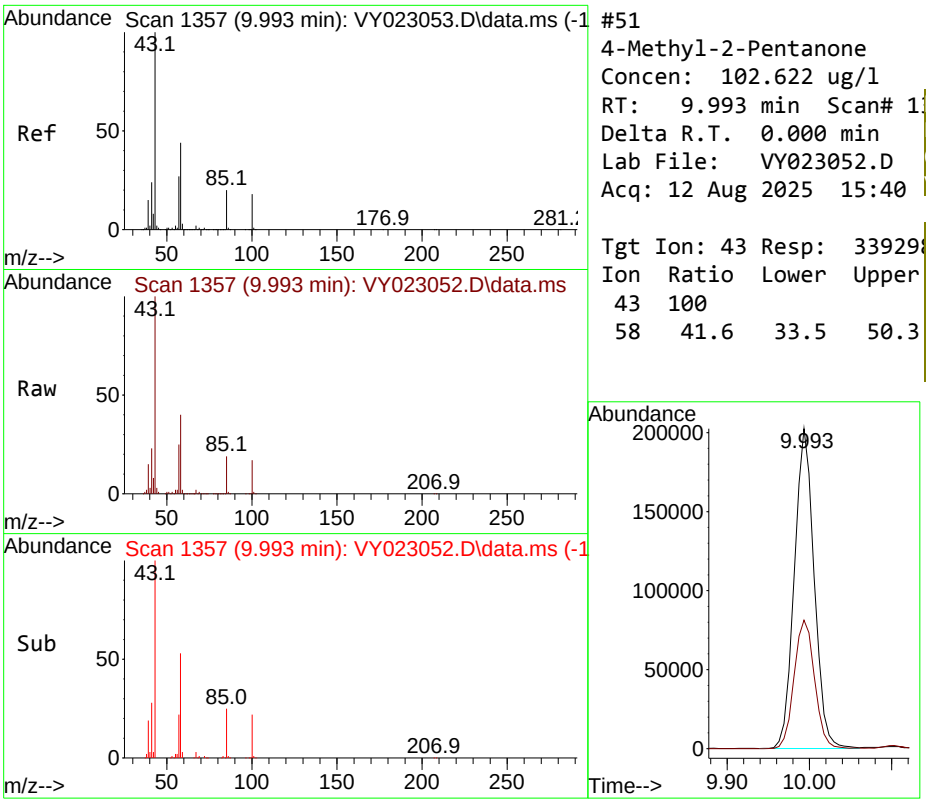


#50
Toluene-d8
Concen: 20.075 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 98 Resp: 398394

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 102.622 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 33929

Ion	Ratio	Lower	Upper
43	100		
58	41.6	33.5	50.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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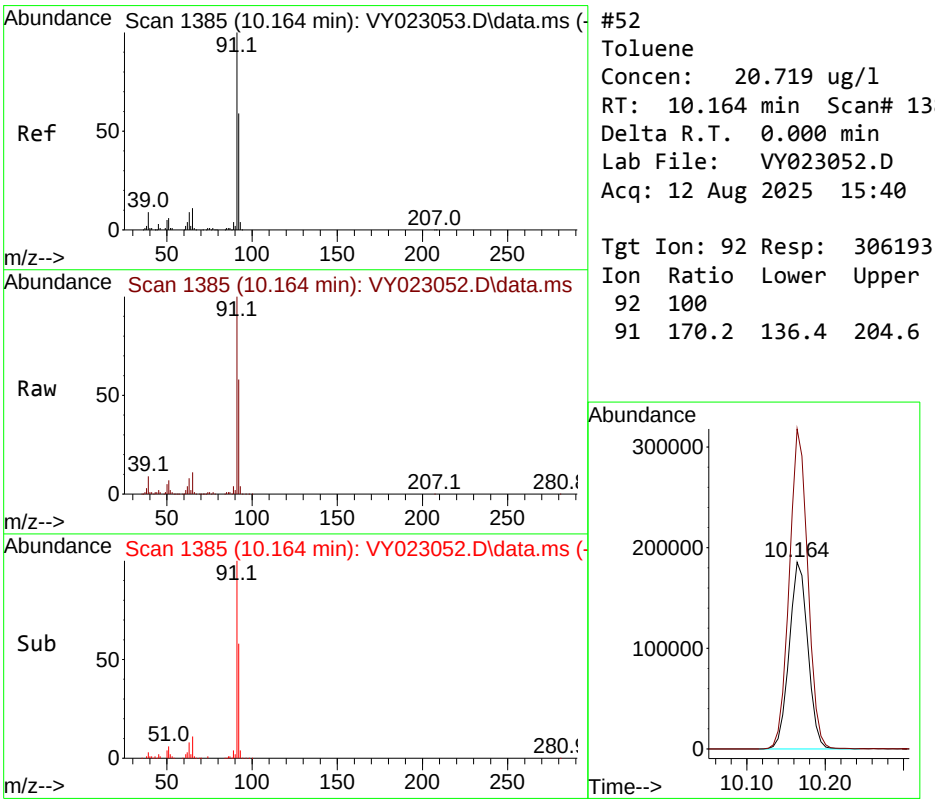
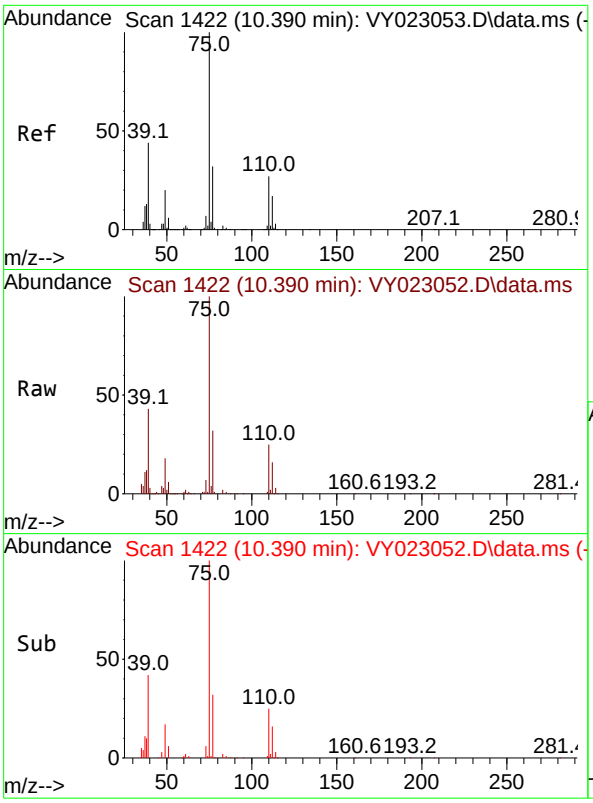


#52
Toluene
Concen: 20.719 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 92 Resp: 306193

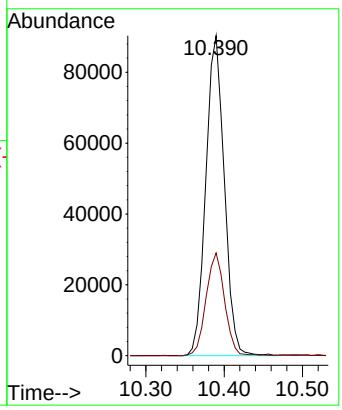
Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.4	204.6



#53
t-1,3-Dichloropropene
Concen: 20.627 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 14769

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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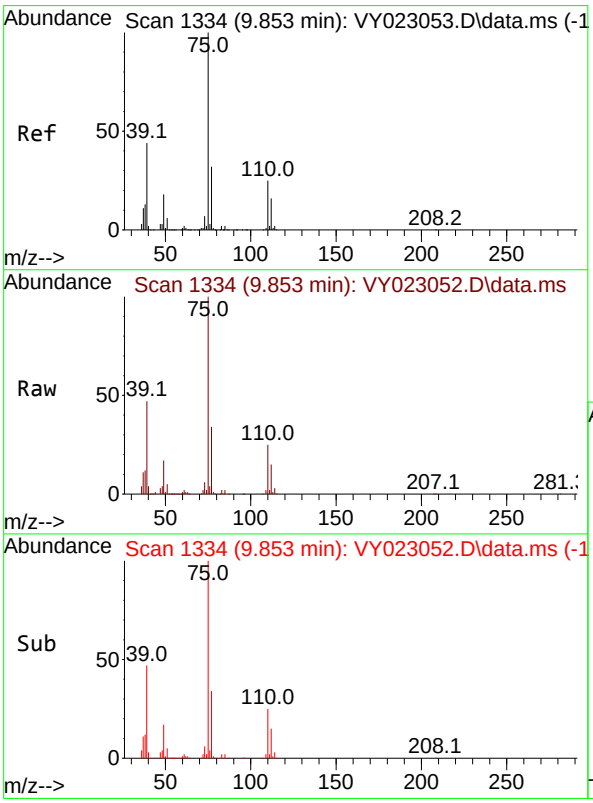
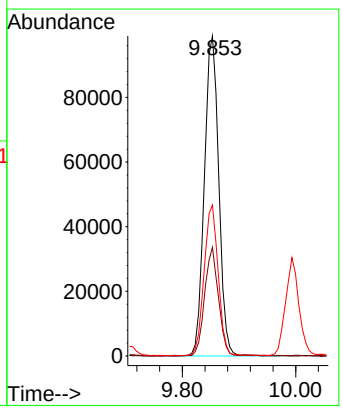
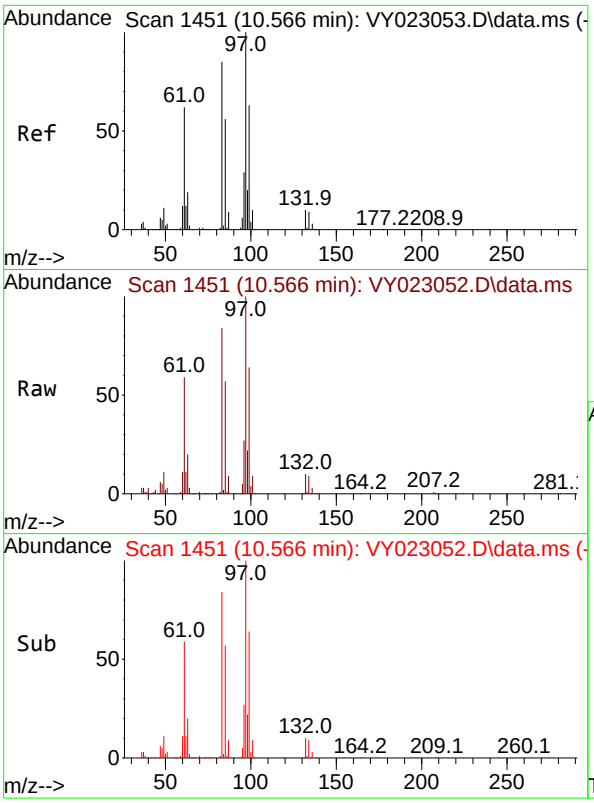


#54
cis-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 174243

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0
39	47.1	35.6	53.4

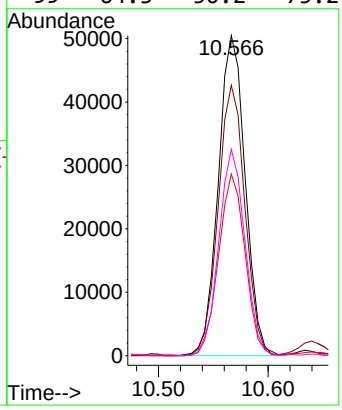




#55
1,1,2-Trichloroethane
Concen: 20.920 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 97 Resp: 8602

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	56.7	44.5	66.7
99	64.3	50.2	75.2



Instrument :
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VSTDICC020

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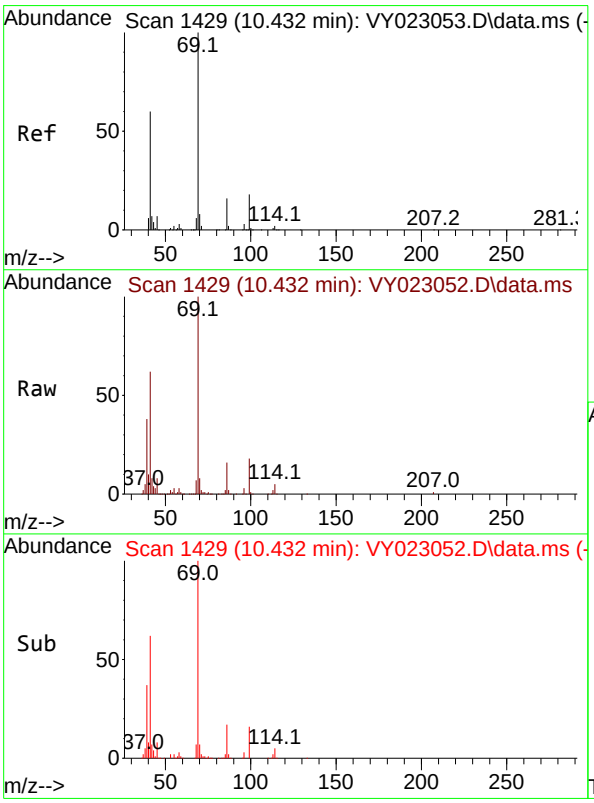
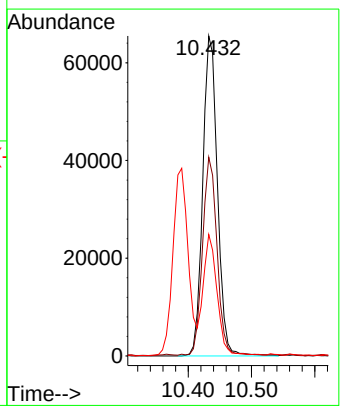
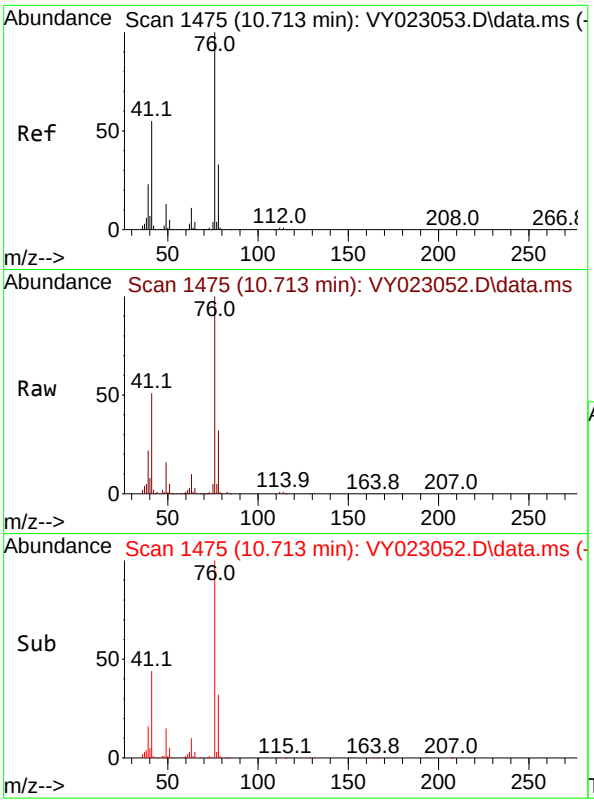


#56
Ethyl methacrylate
Concen: 20.111 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 69 Resp: 105816

Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.6	72.8
39	34.7	27.0	40.4

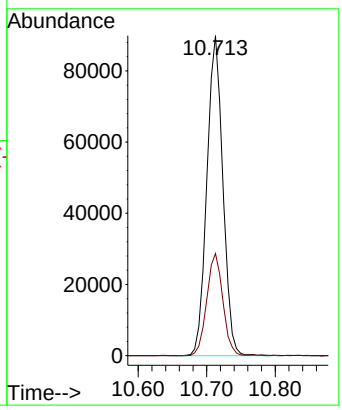




#57
1,3-Dichloropropane
Concen: 20.882 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 76 Resp: 14562

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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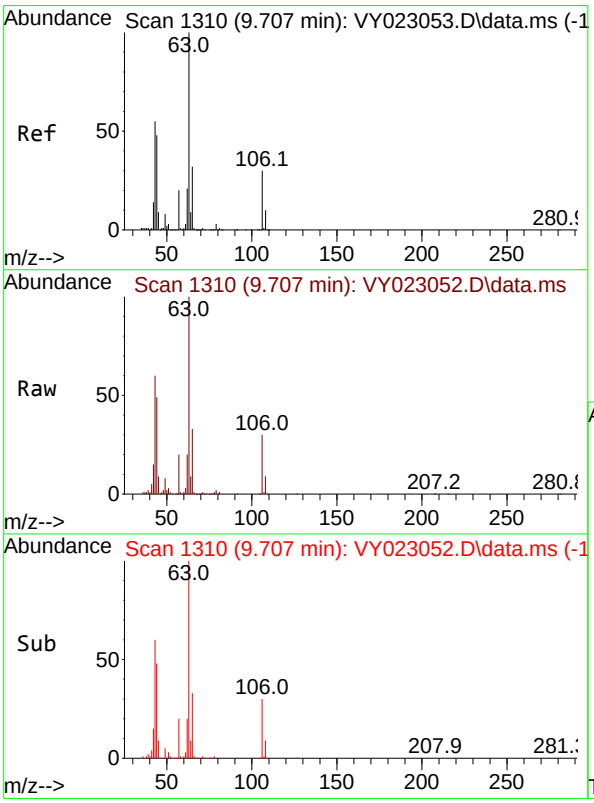
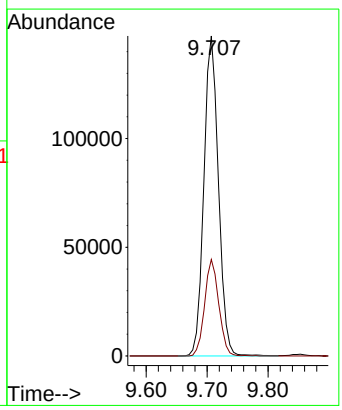
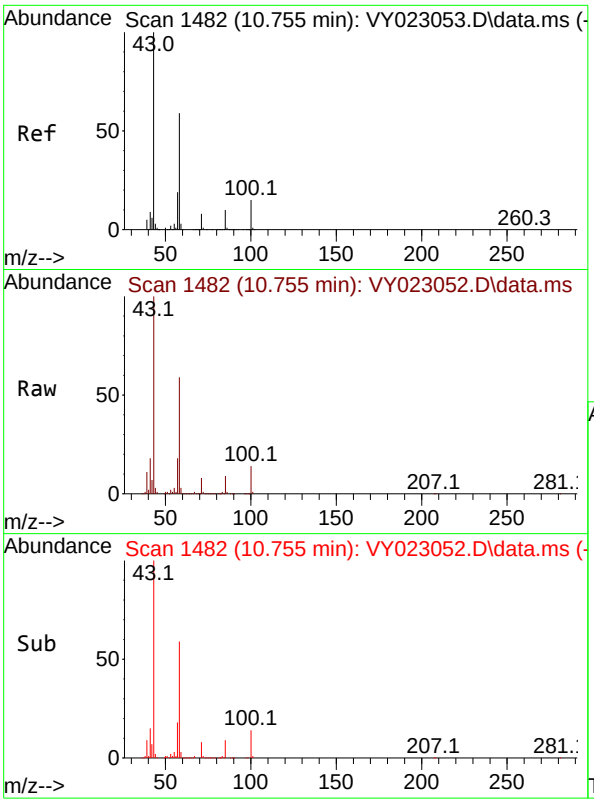


#58
2-Chloroethyl Vinyl ether
Concen: 98.450 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 244340

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.2	34.8





#59
2-Hexanone
Concen: 102.992 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 23187

Ion	Ratio	Lower	Upper
43	100		
58	58.1	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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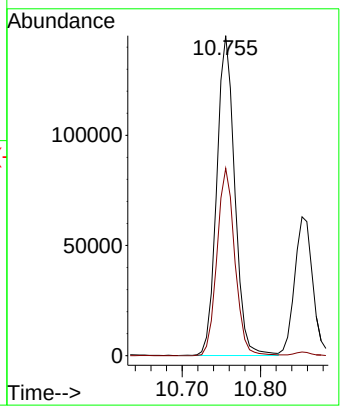
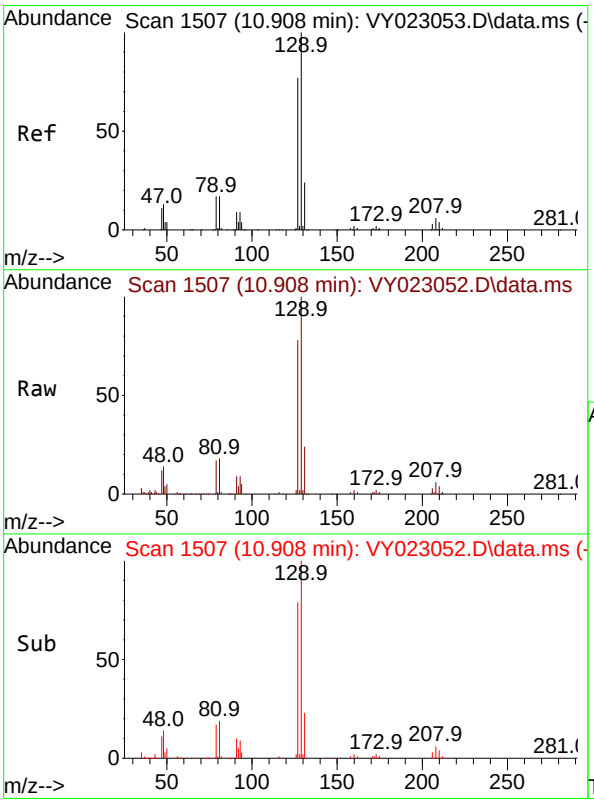
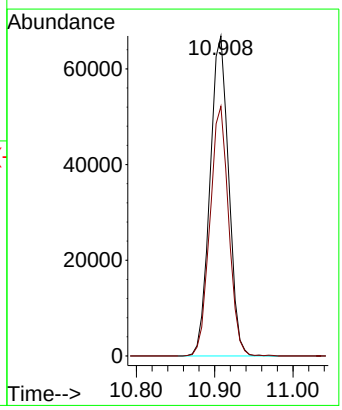


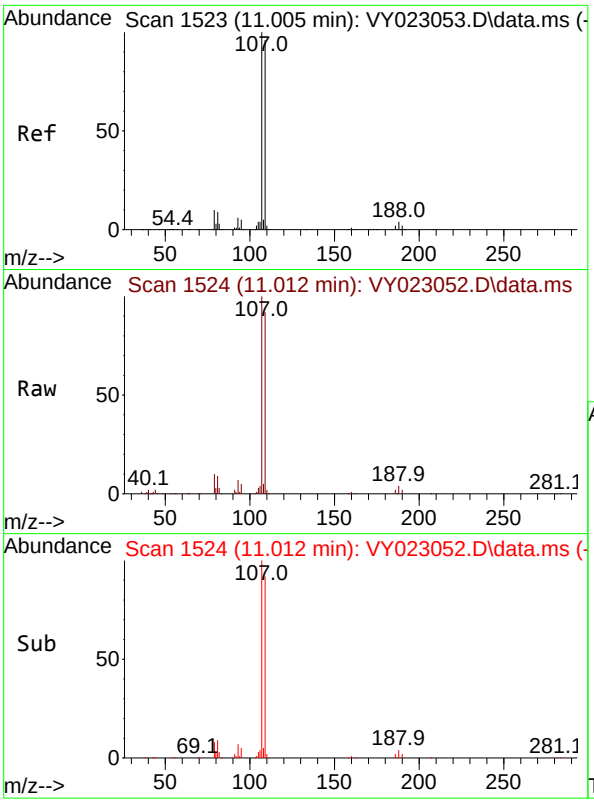


#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:129 Resp: 110810

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 20.842 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:107 Resp: 8054

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.6	113.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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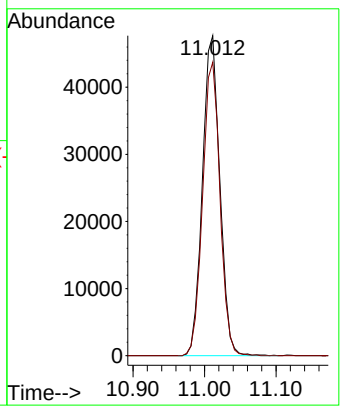
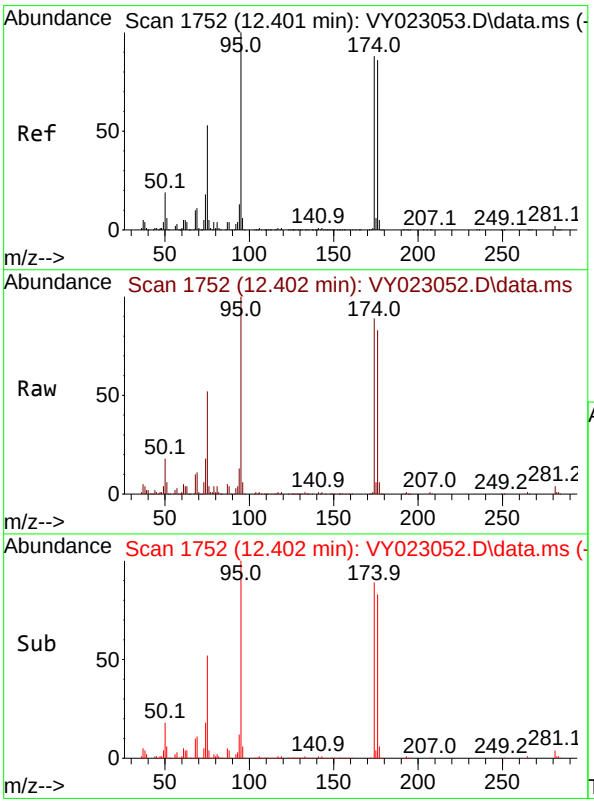
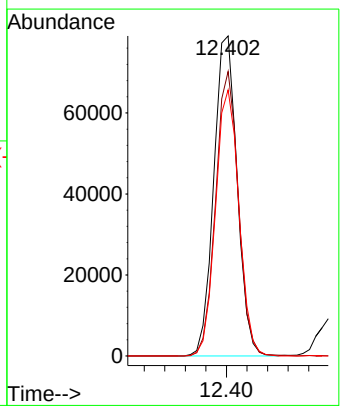


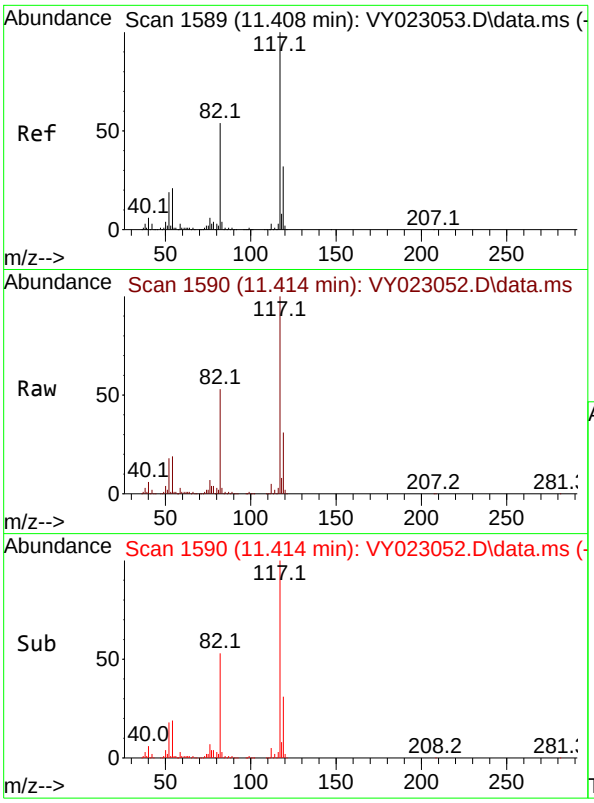


#62
4-Bromofluorobenzene
Concen: 19.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 95 Resp: 124467

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	171.6
176	83.3	0.0	167.6

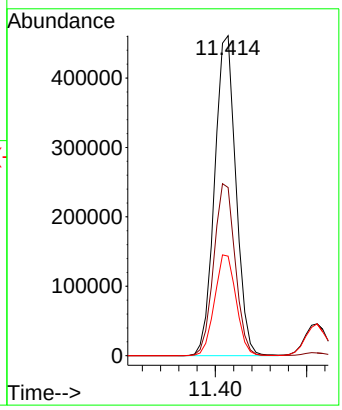




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:117 Resp: 74548

Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.4	65.0
119	31.1	25.6	38.4



Instrument :
MSVOA_Y
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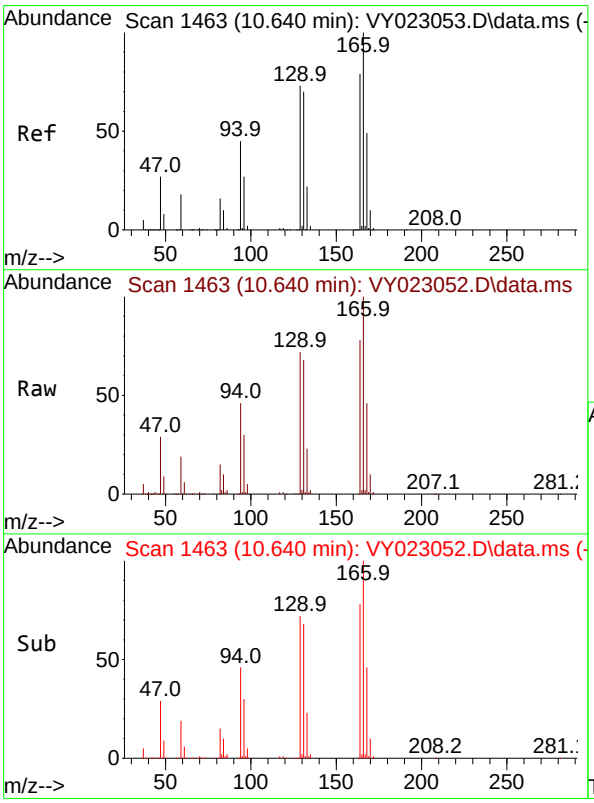
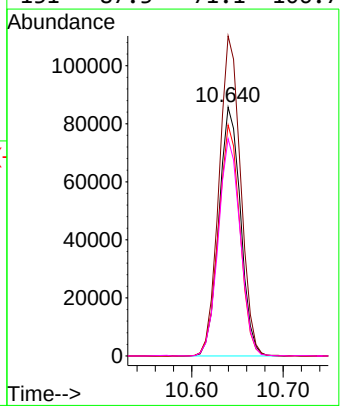
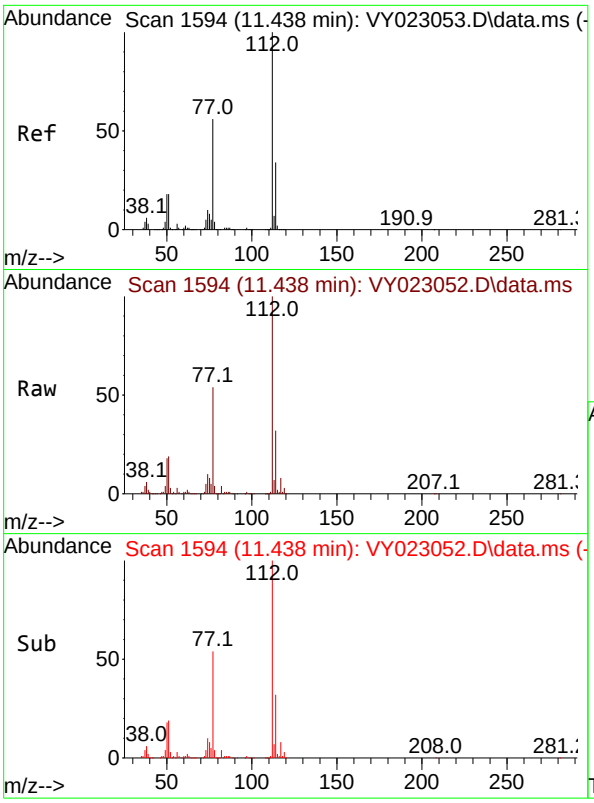


#64
Tetrachloroethene
Concen: 21.273 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:164 Resp: 141609

Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.1	151.7
129	92.9	74.0	111.0
131	87.3	71.1	106.7

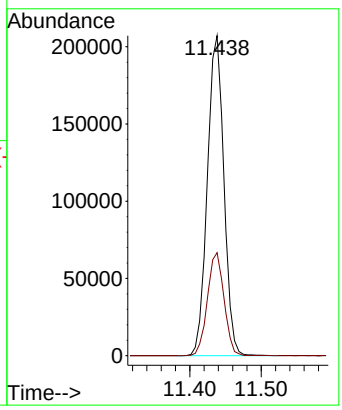




#65
Chlorobenzene
Concen: 20.690 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:112 Resp: 33270

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4



Instrument :
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ClientSampleId :
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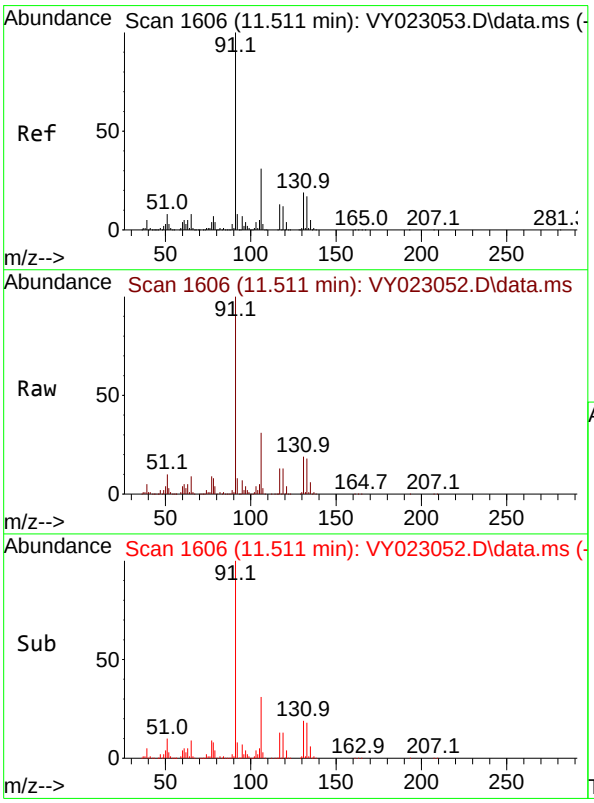
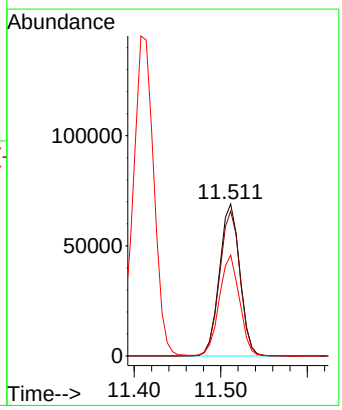
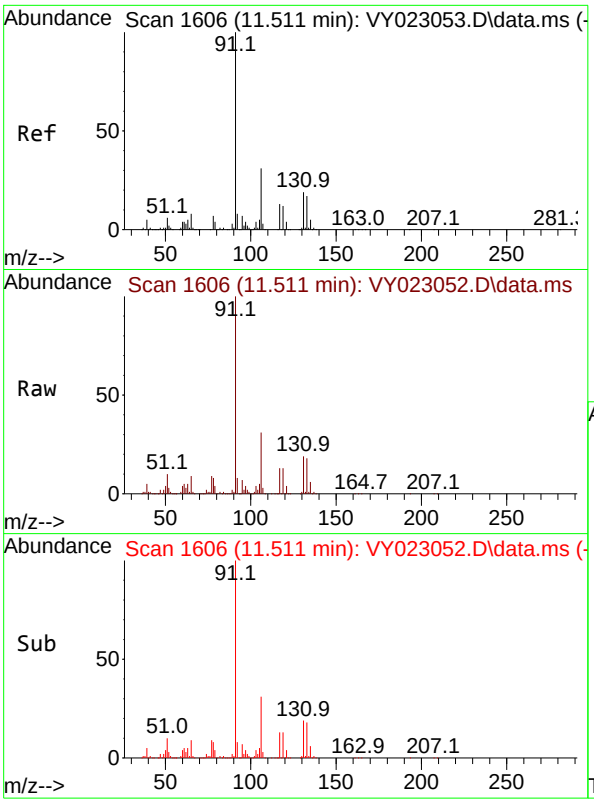


#66
1,1,1,2-Tetrachloroethane
Concen: 20.647 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:131 Resp: 112677

Ion	Ratio	Lower	Upper
131	100		
133	95.8	46.9	140.6
119	66.2	33.2	99.6

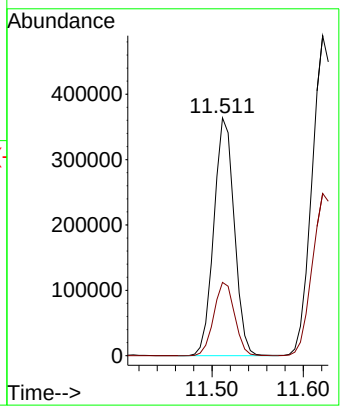




#67
Ethyl Benzene
Concen: 20.412 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 56485

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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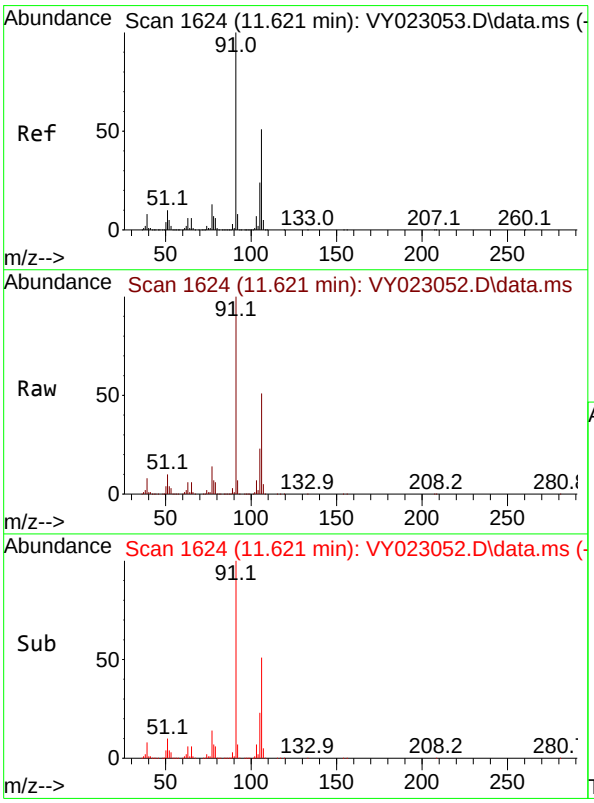
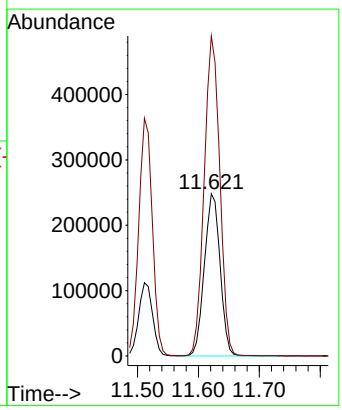
Supervised By :Semsettin Yesilyurt 08/14/2025

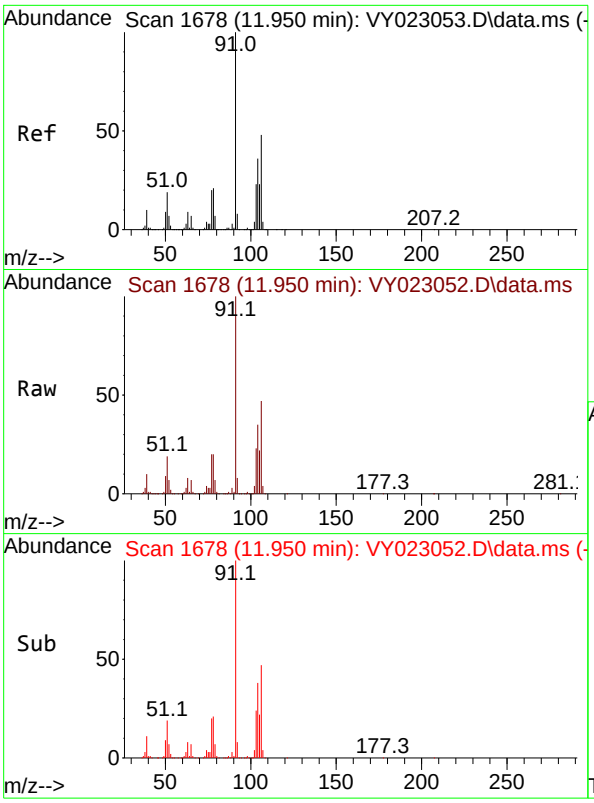


#68
m/p-Xylenes
Concen: 41.115 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:106 Resp: 444361

Ion	Ratio	Lower	Upper
106	100		
91	195.9	158.6	238.0





#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:106 Resp: 20763

Ion	Ratio	Lower	Upper
106	100		
91	208.2	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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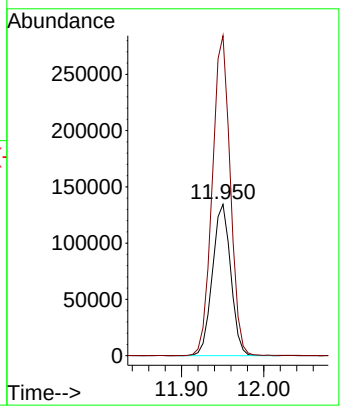
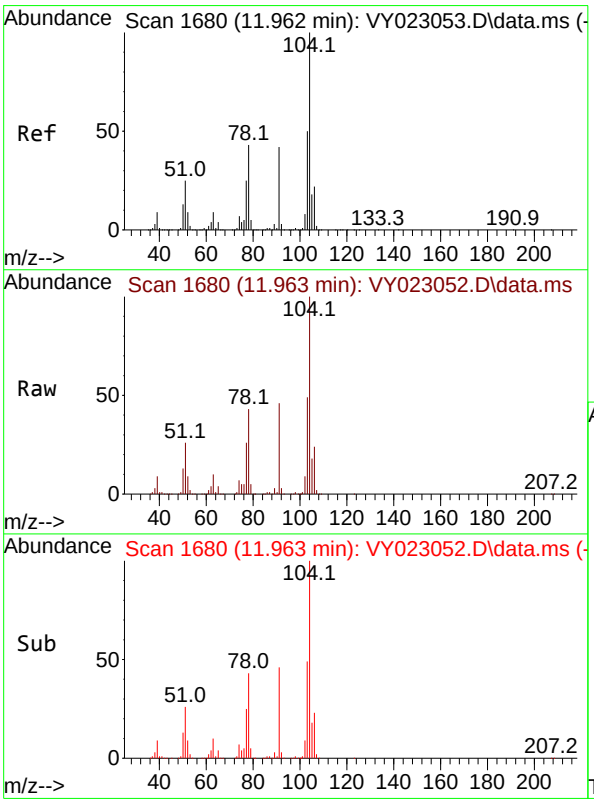
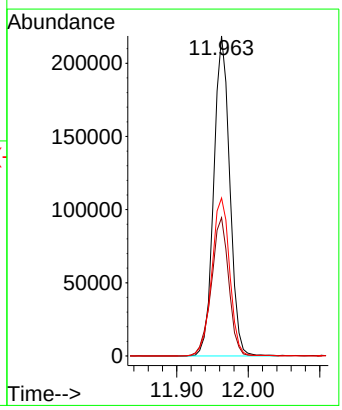


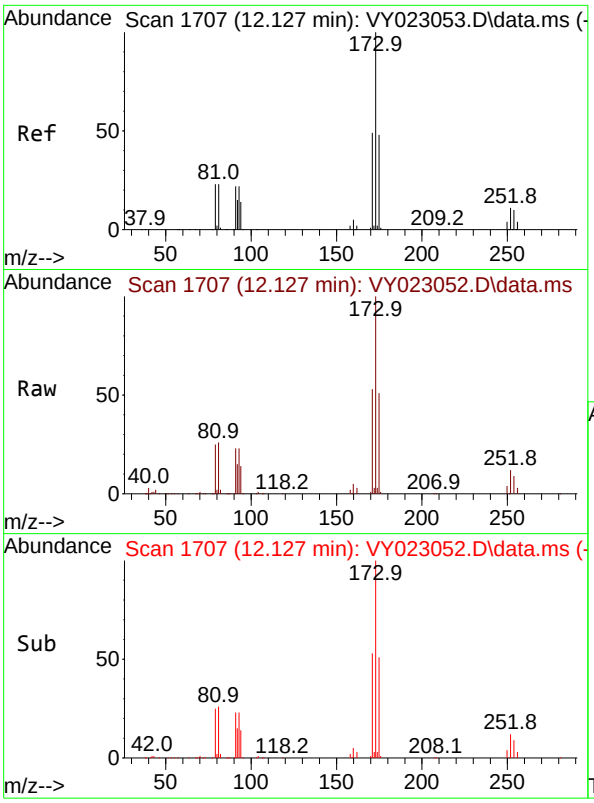


#70
Styrene
Concen: 20.532 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:104 Resp: 339891

Ion	Ratio	Lower	Upper
104	100		
78	47.0	38.5	57.7
103	54.9	43.7	65.5

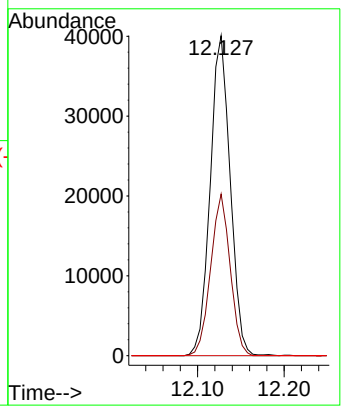




#71
Bromoform
Concen: 20.151 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:173 Resp: 6427

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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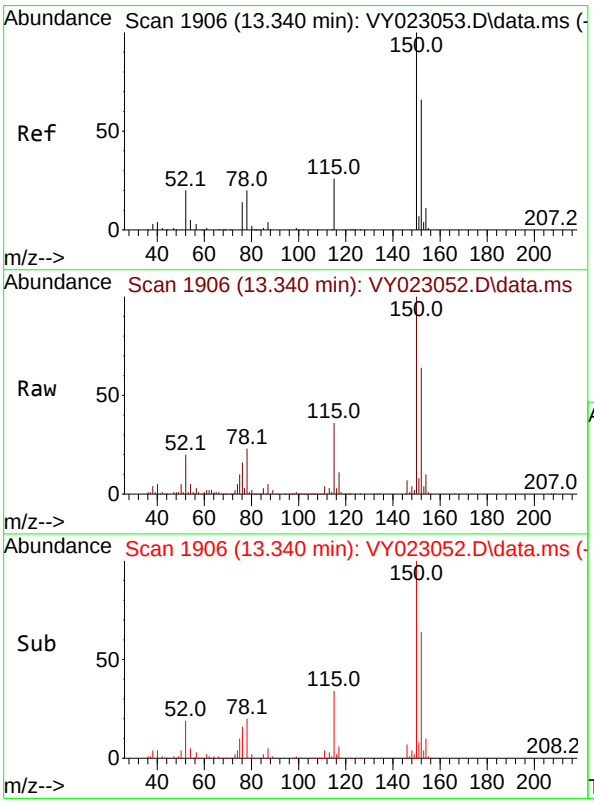
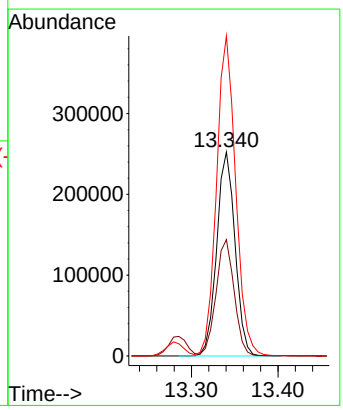
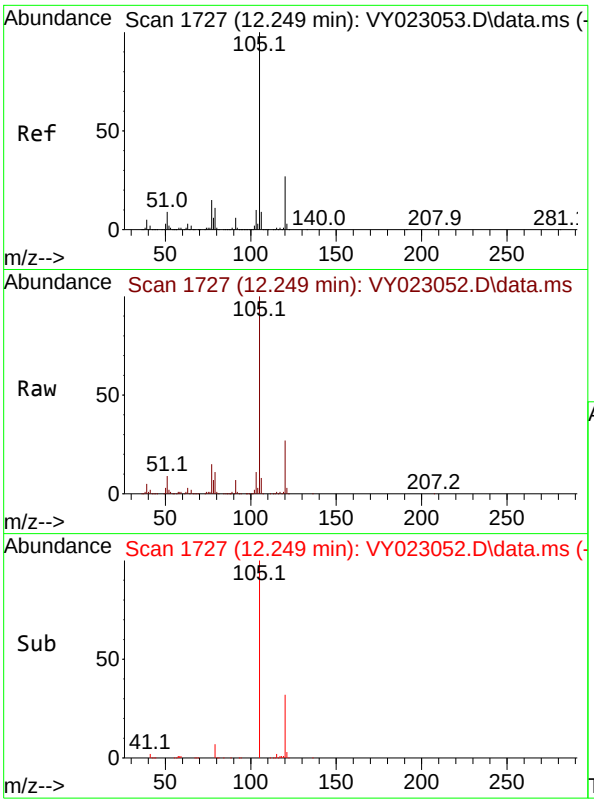


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:152 Resp: 370932

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	163.6	0.0	348.0

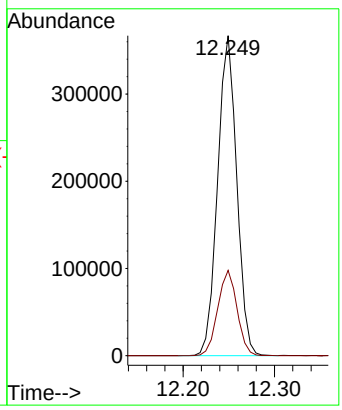




#73
Isopropylbenzene
Concen: 20.413 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 53442

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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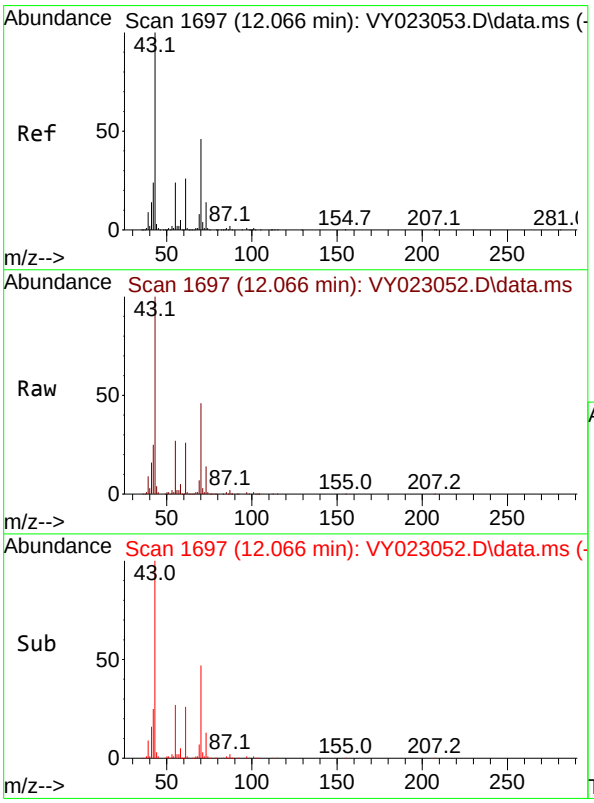
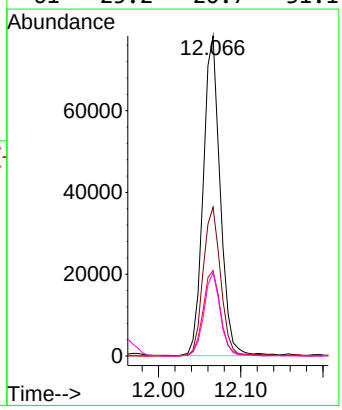
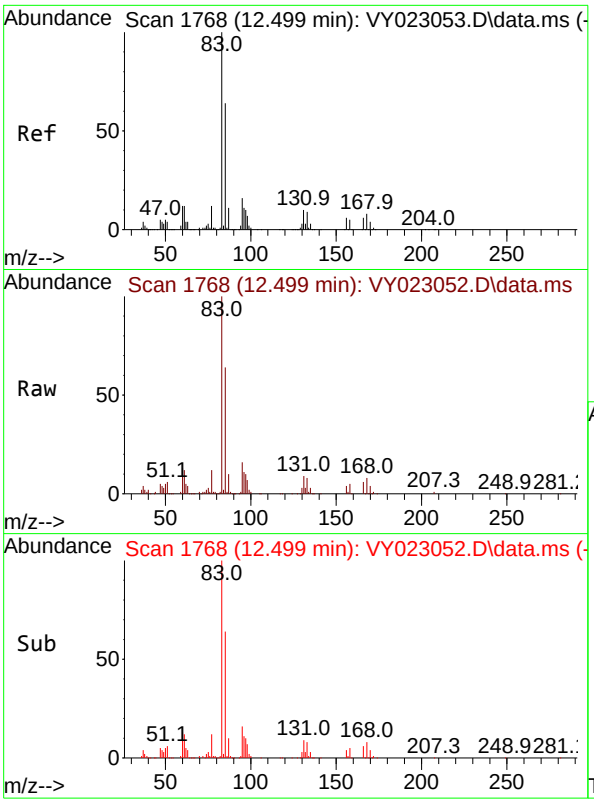


#74
N-amyl acetate
Concen: 20.227 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 112297

Ion	Ratio	Lower	Upper
43	100		
70	48.1	37.5	56.3
55	27.7	20.7	31.1
61	25.2	20.7	31.1

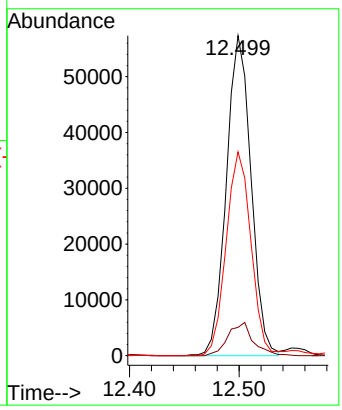




#75
1,1,2,2-Tetrachloroethane
Concen: 20.085 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 83 Resp: 8978

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.8	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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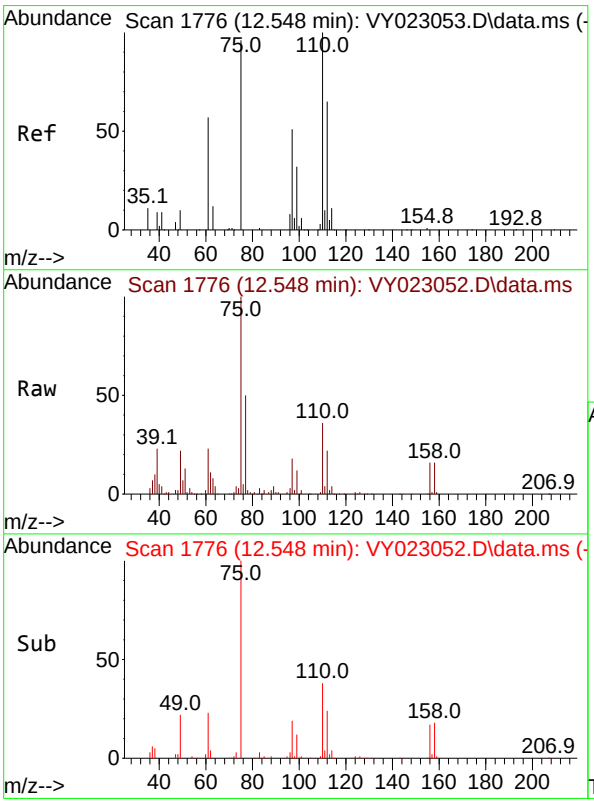
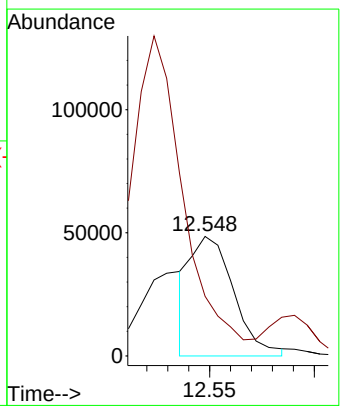
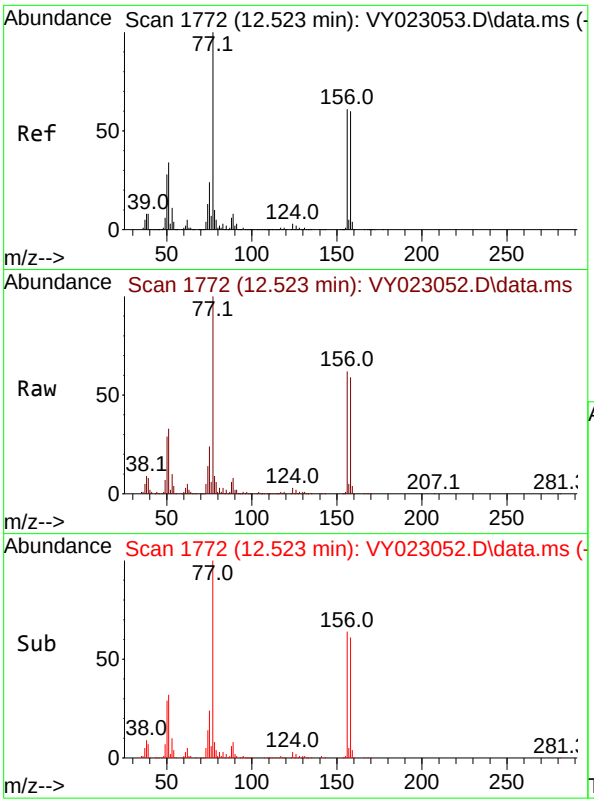


#76
1,2,3-Trichloropropane
Concen: 19.560 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 70070

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

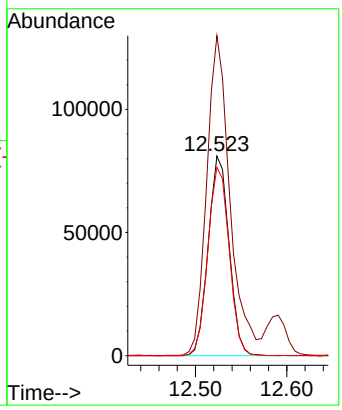




#77
Bromobenzene
Concen: 20.574 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:156 Resp: 12850

Ion	Ratio	Lower	Upper
156	100		
77	177.5	88.1	264.4
158	96.2	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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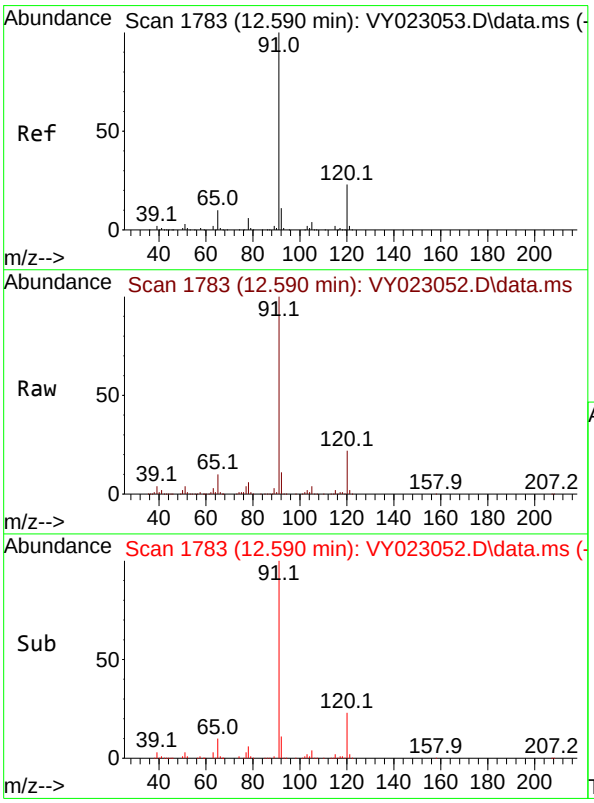
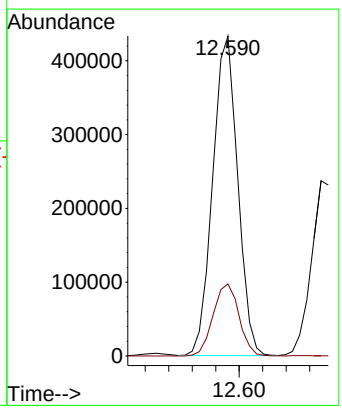
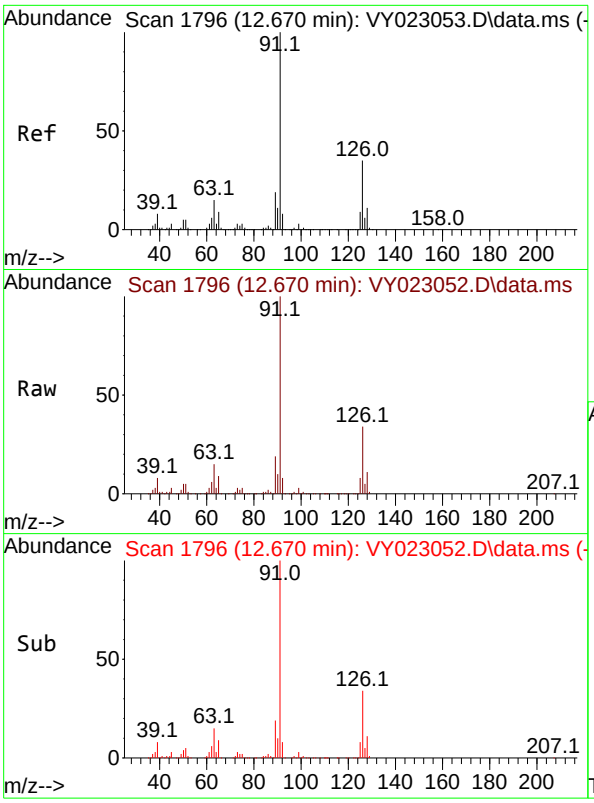


#78
n-propylbenzene
Concen: 20.550 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 640528

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5

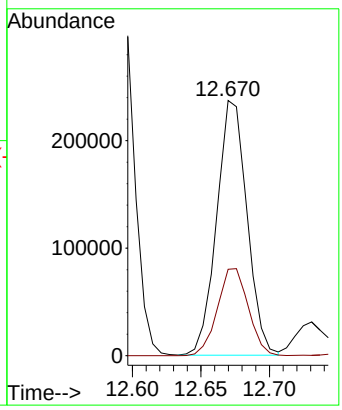




#79
2-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 36557

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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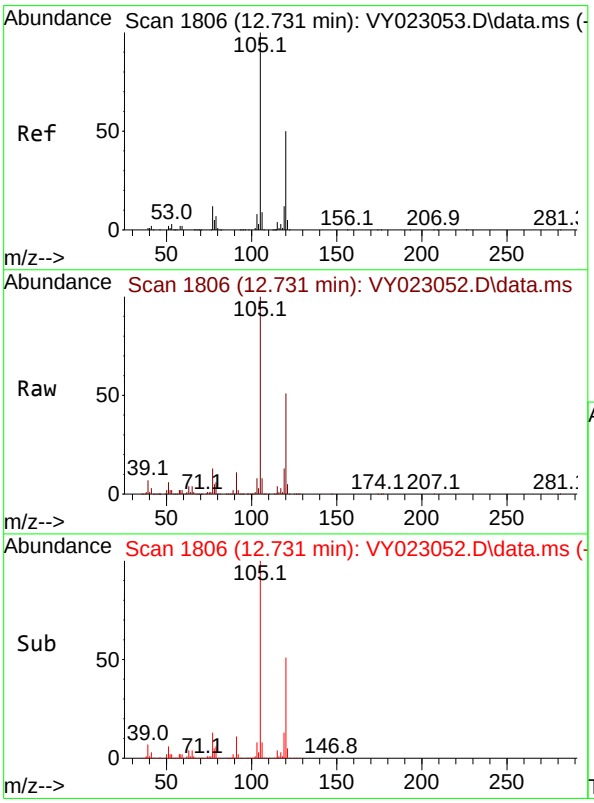
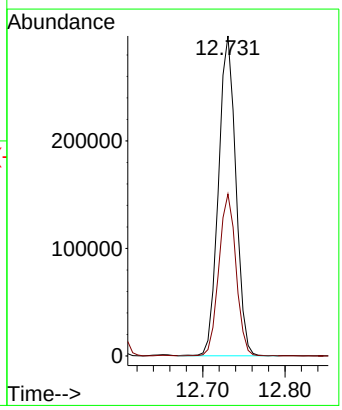
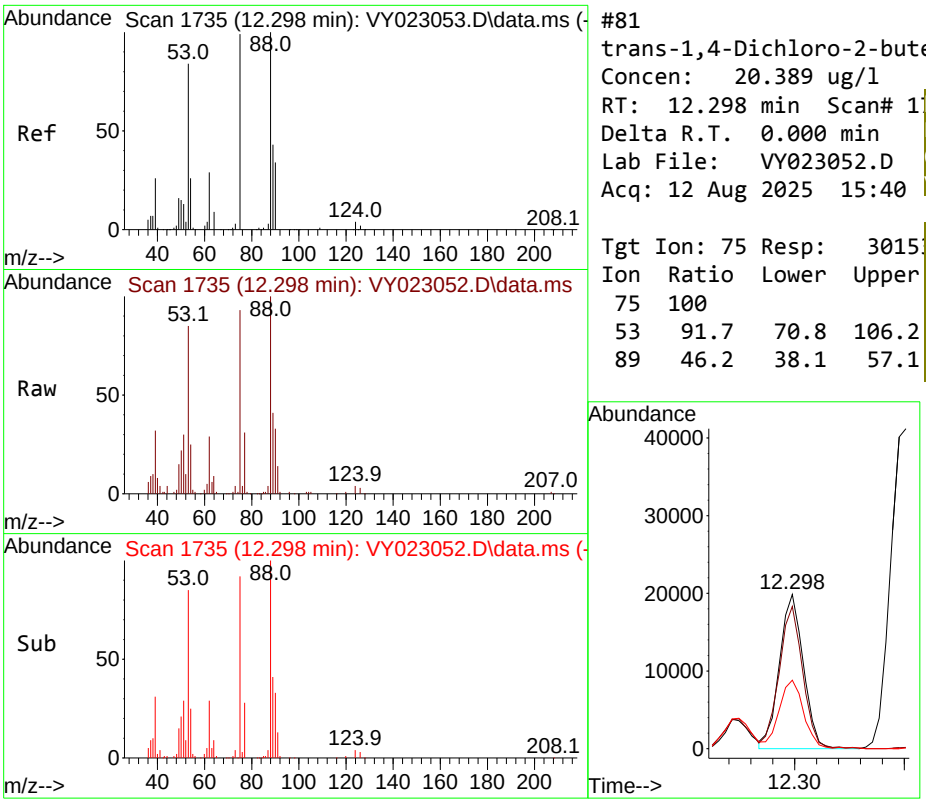


#80
1,3,5-Trimethylbenzene
Concen: 20.563 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 435074

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.389 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 3015

Ion	Ratio	Lower	Upper
75	100		
53	91.7	70.8	106.2
89	46.2	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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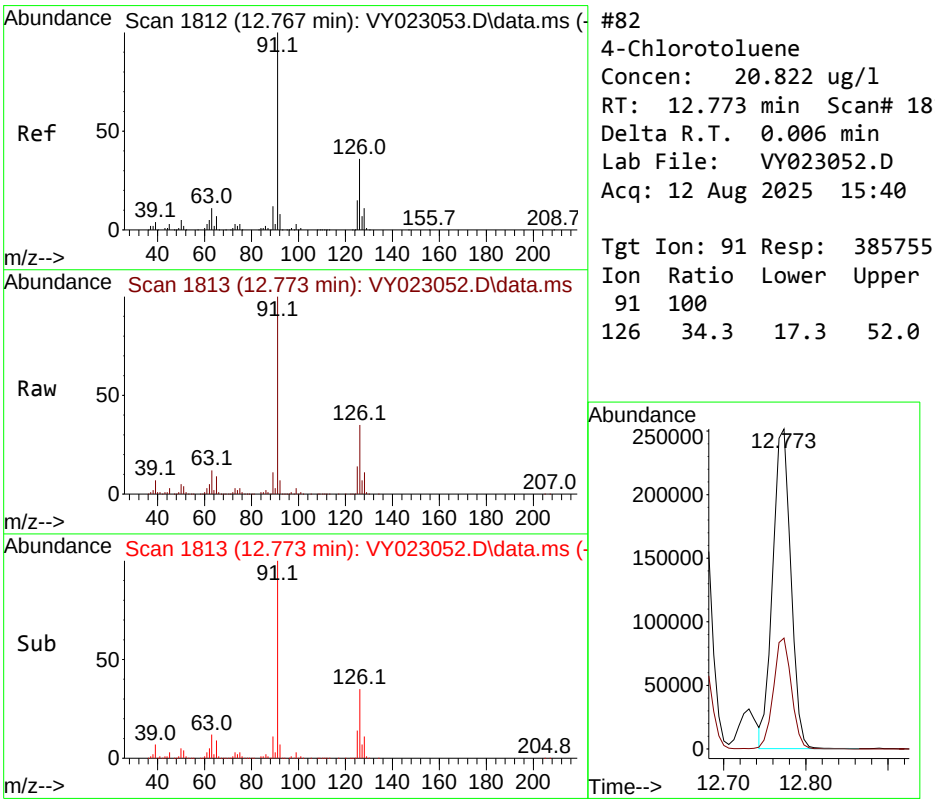
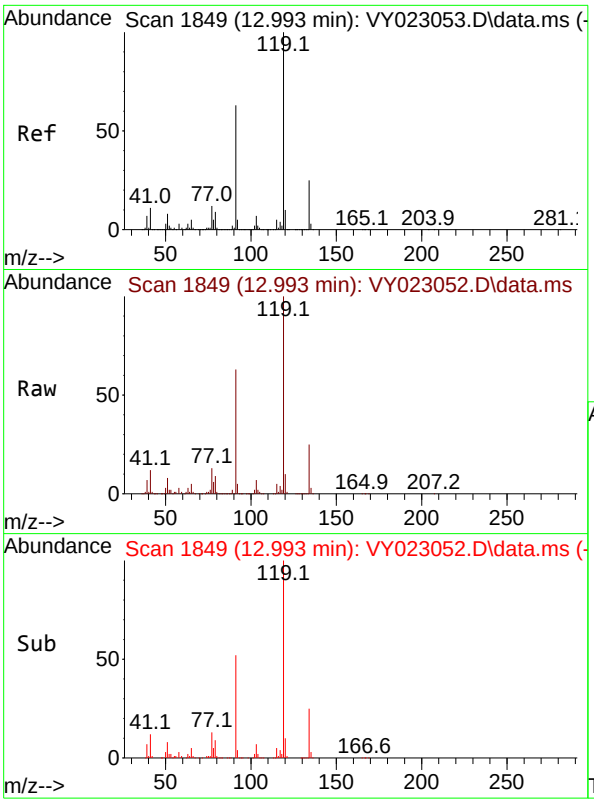


#82
4-Chlorotoluene
Concen: 20.822 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 385755

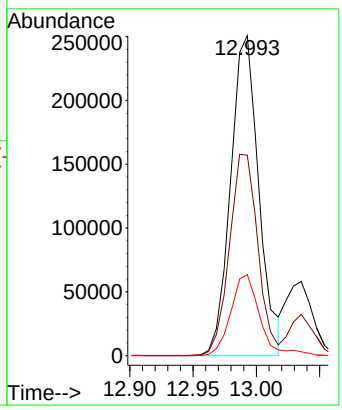
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0



#83
tert-Butylbenzene
Concen: 20.389 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:119 Resp: 38962

Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	94.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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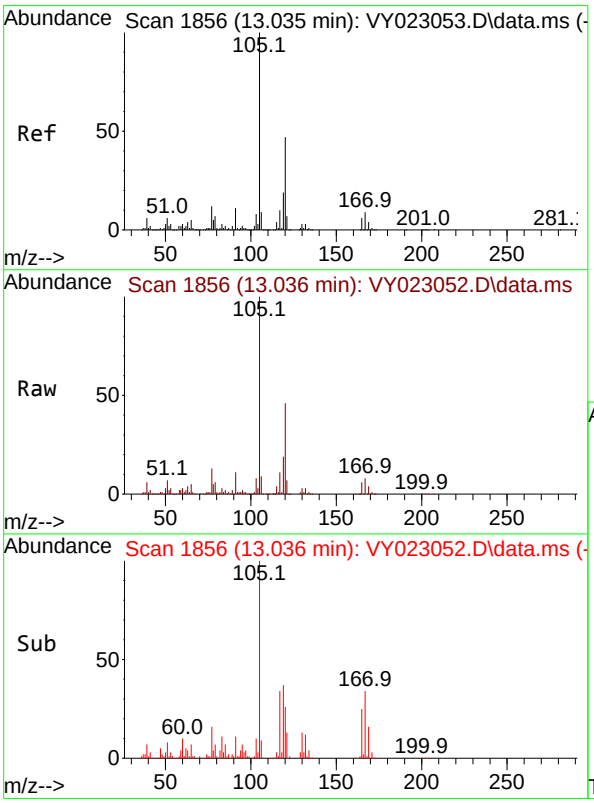
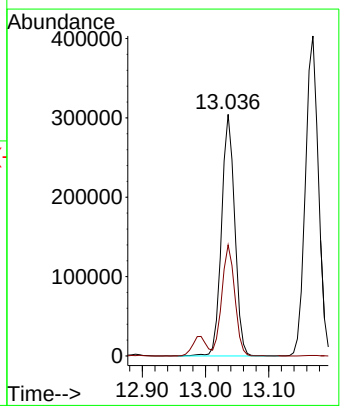
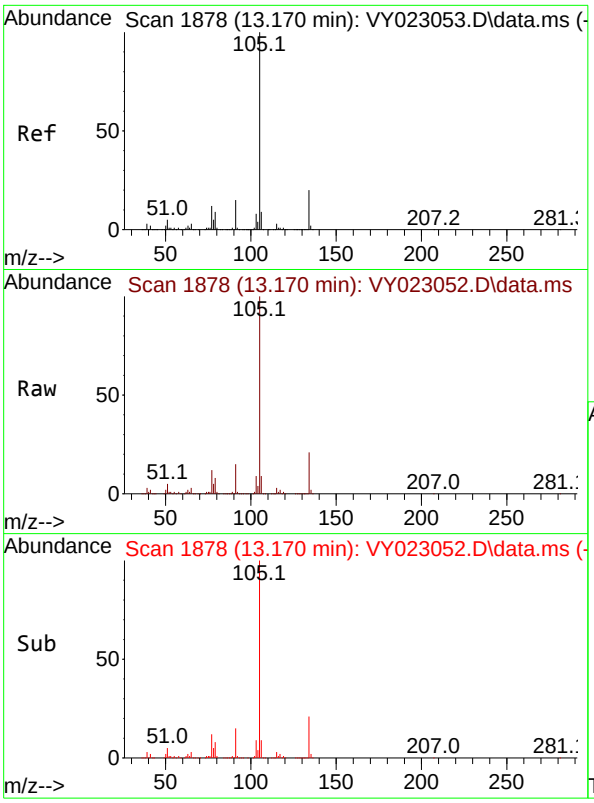


#84
1,2,4-Trimethylbenzene
Concen: 20.814 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 438392

Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.0	69.0

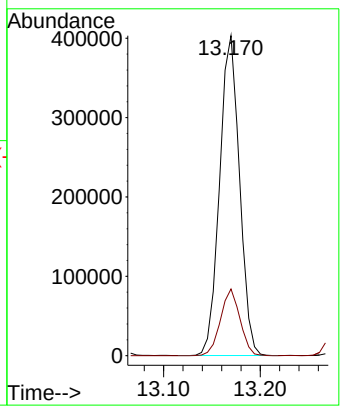




#85
sec-Butylbenzene
Concen: 20.512 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 57580

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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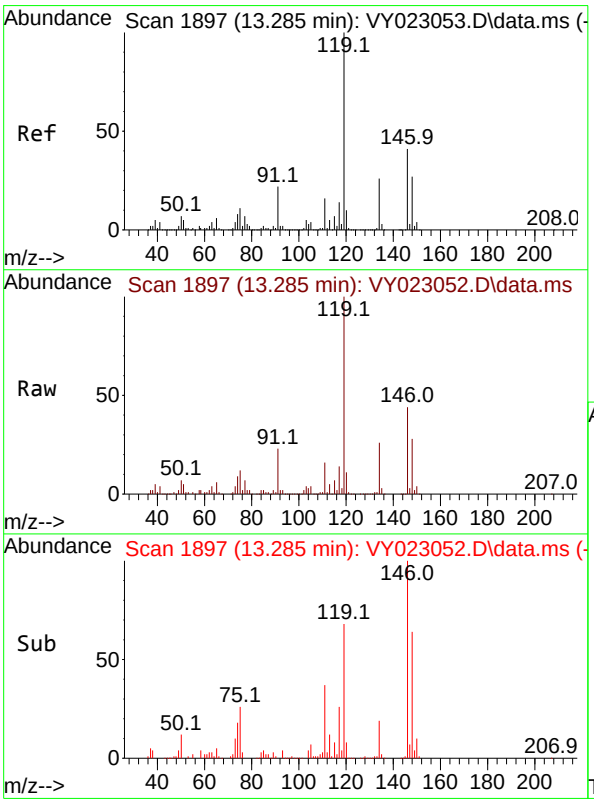
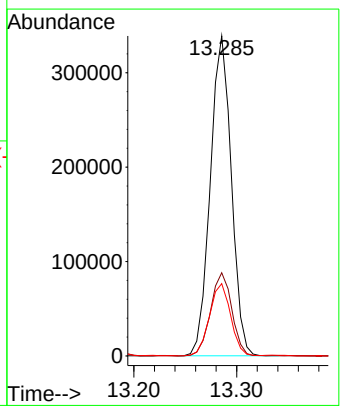
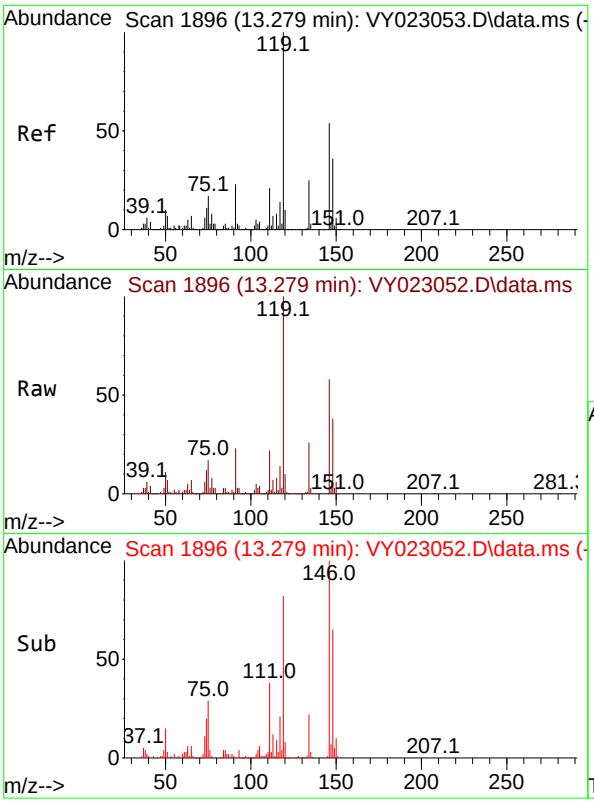


#86
p-Isopropyltoluene
Concen: 20.640 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:119 Resp: 480937

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	22.6	11.3	33.8

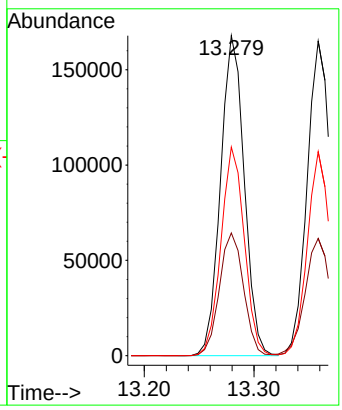




#87
1,3-Dichlorobenzene
Concen: 20.497 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:146 Resp: 25245

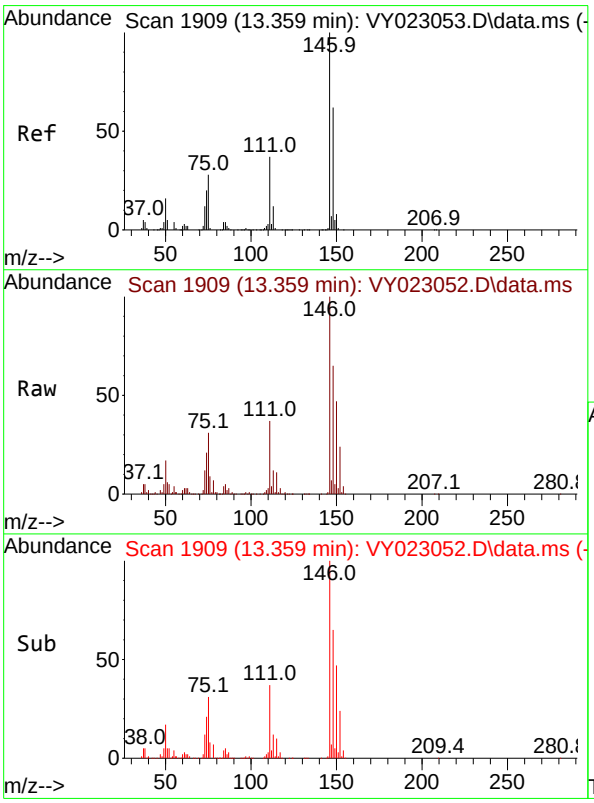
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.3	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

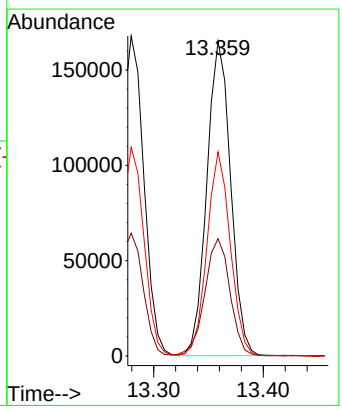
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

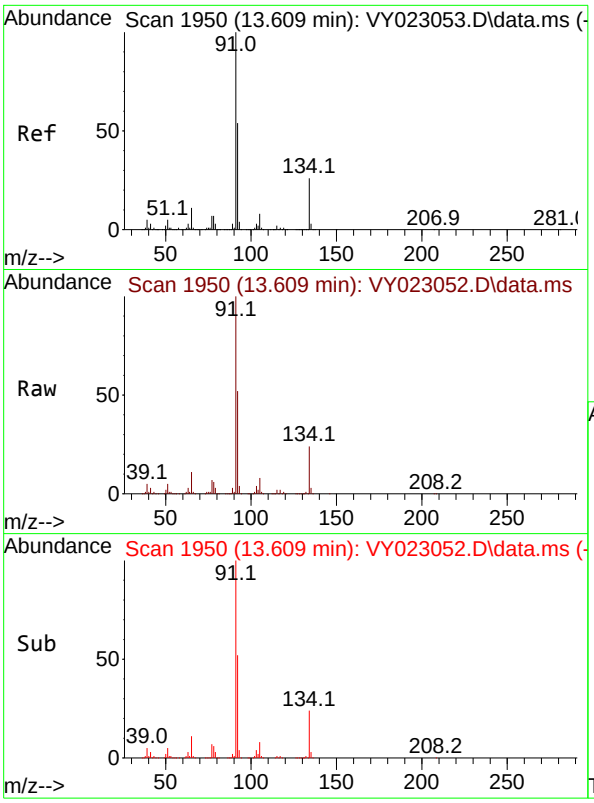


#88
1,4-Dichlorobenzene
Concen: 20.403 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:146 Resp: 249280

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	63.5	31.6	94.7

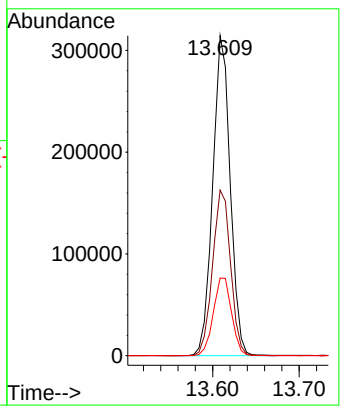




#89
n-Butylbenzene
Concen: 20.605 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 44096

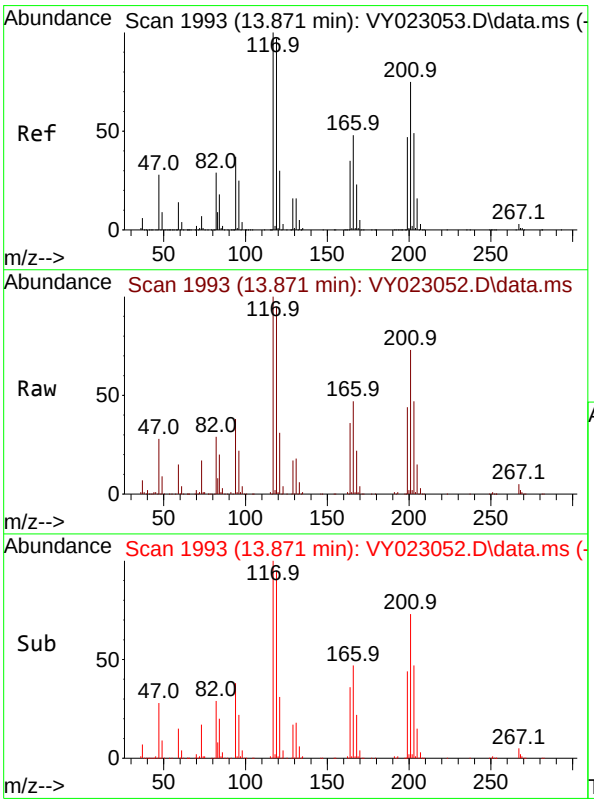
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	25.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

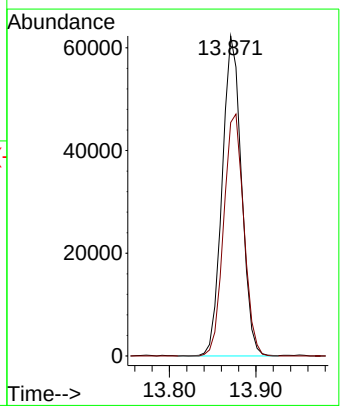
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

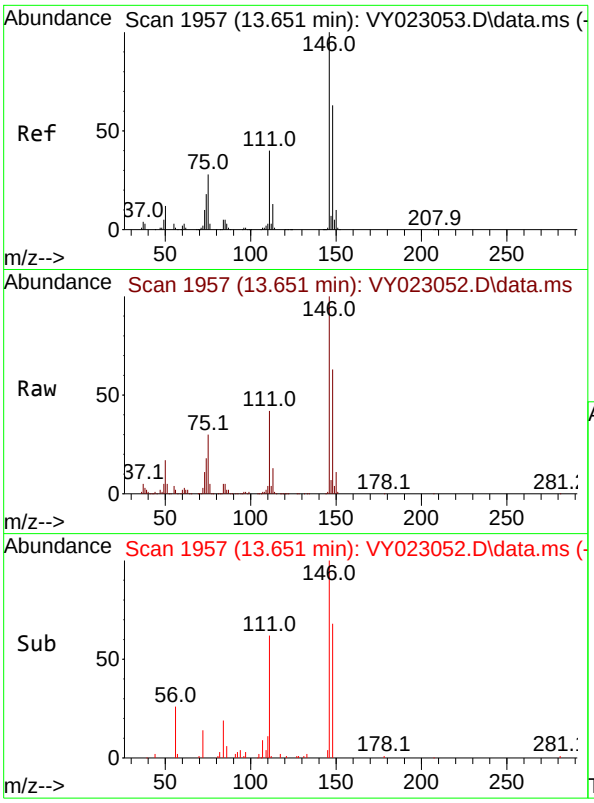


#90
Hexachloroethane
Concen: 20.226 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:117 Resp: 96478

Ion	Ratio	Lower	Upper
117	100		
201	78.5	38.4	115.1

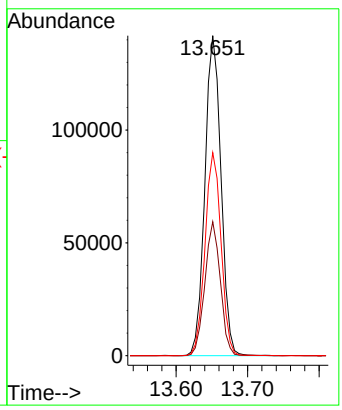




#91
1,2-Dichlorobenzene
Concen: 20.552 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:146 Resp: 22200

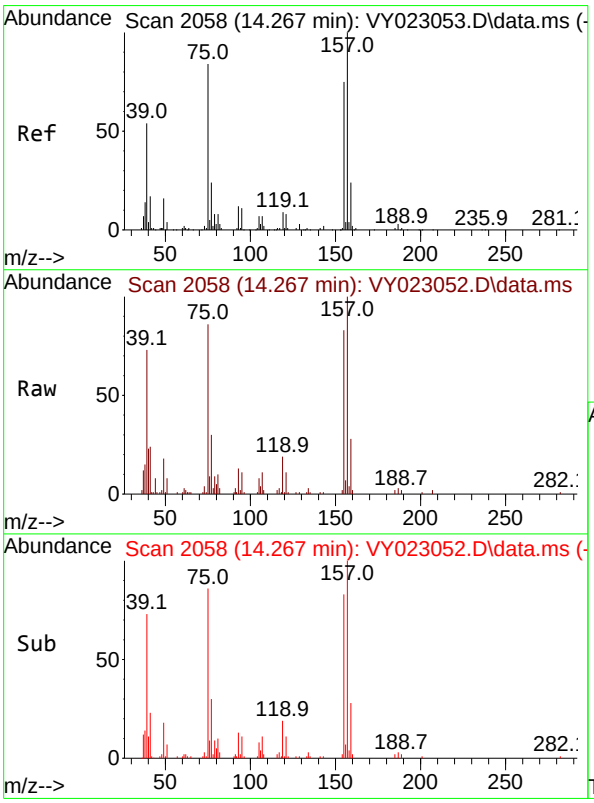
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	63.2	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

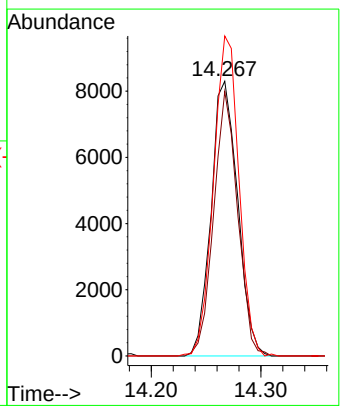
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

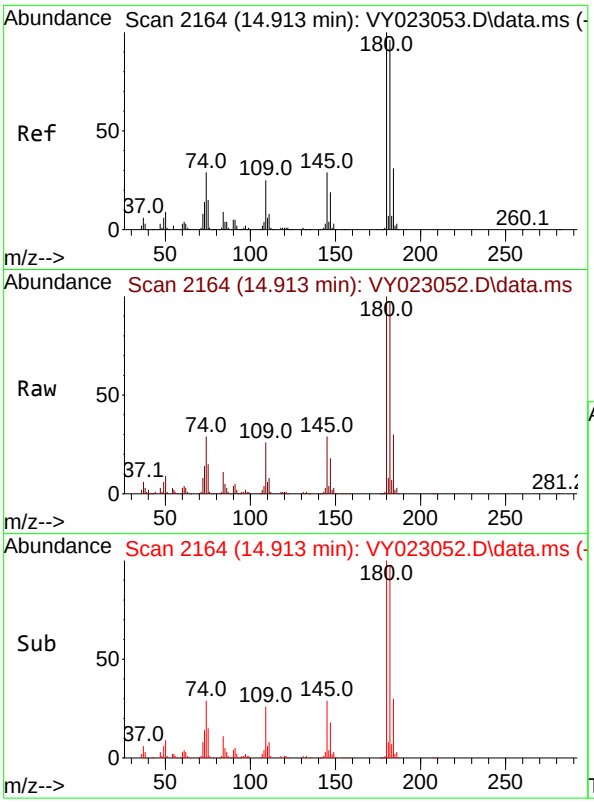


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.076 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 13973

Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.9	131.6
157	111.6	57.2	171.6

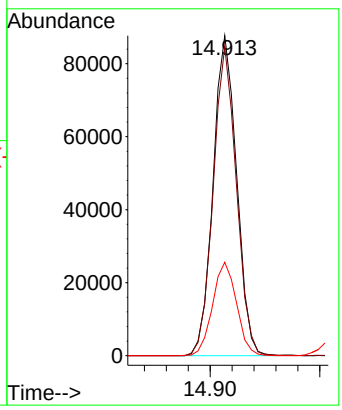




#93
1,2,4-Trichlorobenzene
Concen: 20.464 ug/l
RT: 14.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:180 Resp: 13071

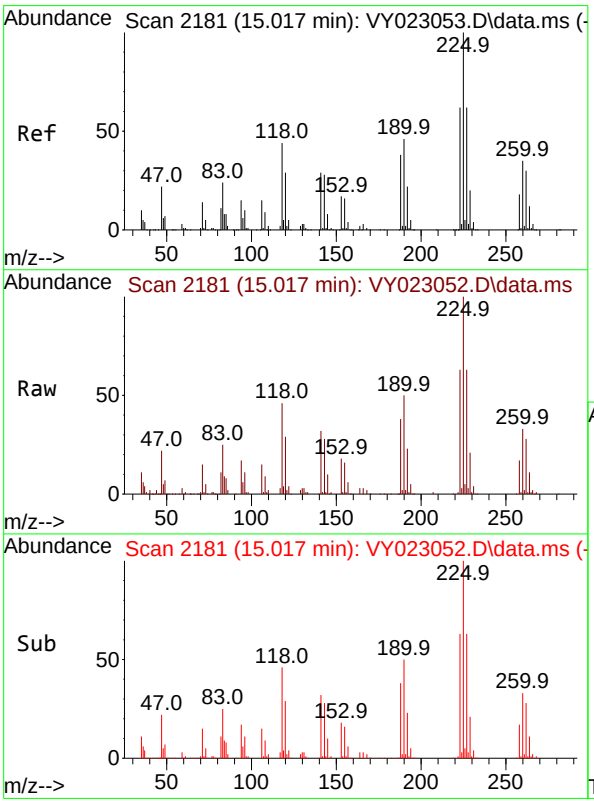
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.4
145	29.6	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

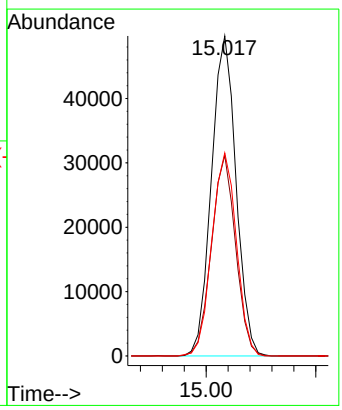
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

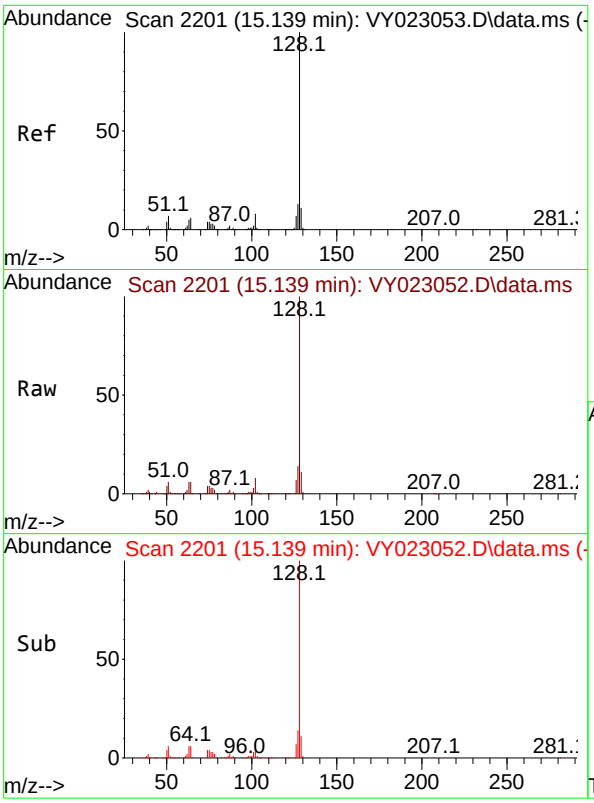


#94
Hexachlorobutadiene
Concen: 20.650 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:225 Resp: 77511

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.8
227	63.6	31.5	94.5

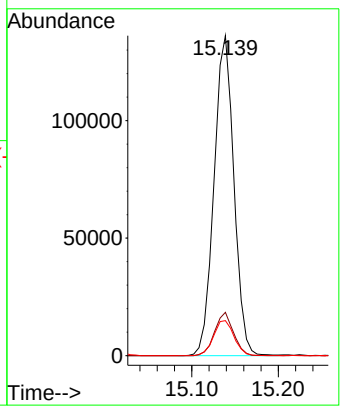




#95
Naphthalene
Concen: 19.915 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:128 Resp: 21692

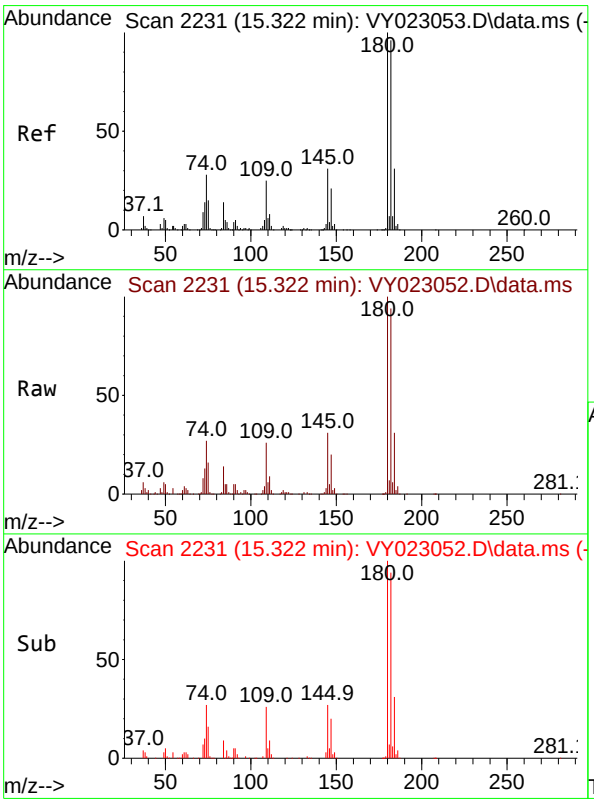
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.4	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

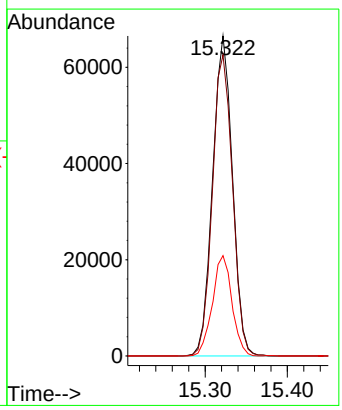
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.258 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:180 Resp: 111506

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	31.0	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	539282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	856556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	751969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	377839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	249044	48.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.900%			
35) Dibromofluoromethane	7.628	113	251193	49.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.020%			
50) Toluene-d8	10.103	98	979082	48.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.401	95	316770	49.194	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	187863	42.677	ug/l	100
3) Chloromethane	2.068	50	327481	45.932	ug/l	100
4) Vinyl Chloride	2.196	62	414609	47.044	ug/l	100
5) Bromomethane	2.592	94	291336	44.263	ug/l	100
6) Chloroethane	2.726	64	277698	47.394	ug/l	100
7) Trichlorofluoromethane	3.049	101	505137	47.136	ug/l	100
8) Diethyl Ether	3.446	74	135373	47.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	249063	47.109	ug/l	100
10) Methyl Iodide	3.994	142	296087	51.899	ug/l	100
11) Tert butyl alcohol	4.860	59	85712	243.383	ug/l	100
12) 1,1-Dichloroethene	3.781	96	249492	48.009	ug/l	100
13) Acrolein	3.647	56	121185	234.966	ug/l	100
14) Allyl chloride	4.378	41	369720	48.350	ug/l	100
15) Acrylonitrile	5.049	53	285675	247.839	ug/l	100
16) Acetone	3.860	43	278510	250.122	ug/l	100
17) Carbon Disulfide	4.098	76	804119	47.456	ug/l	100
18) Methyl Acetate	4.378	43	173642	52.403	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	666514	49.495	ug/l	100
20) Methylene Chloride	4.604	84	275004	47.415	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	282272	48.334	ug/l	100
22) Diisopropyl ether	6.018	45	815359	49.070	ug/l	100
23) Vinyl Acetate	5.951	43	2268046	246.849	ug/l	100
24) 1,1-Dichloroethane	5.909	63	495073	48.732	ug/l	100
25) 2-Butanone	6.884	43	382711	252.715	ug/l	100
26) 2,2-Dichloropropane	6.884	77	425773	48.571	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	327272	48.474	ug/l	100
28) Bromochloromethane	7.244	49	196667	48.795	ug/l	100
29) Tetrahydrofuran	7.256	42	235169	250.523	ug/l	100
30) Chloroform	7.415	83	508641	48.547	ug/l	100
31) Cyclohexane	7.695	56	440266	45.989	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	451521	48.569	ug/l	100
36) 1,1-Dichloropropene	7.829	75	371204	48.734	ug/l	100
37) Ethyl Acetate	6.982	43	160980	50.311	ug/l	100
38) Carbon Tetrachloride	7.817	117	399463	48.285	ug/l	100
39) Methylcyclohexane	9.103	83	484691	48.321	ug/l	100
40) Benzene	8.073	78	1142910	48.683	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	94123	50.916	ug/l		100
42) 1,2-Dichloroethane	8.152	62	296907	48.627	ug/l		100
43) Isopropyl Acetate	8.195	43	319600	49.419	ug/l		100
44) Trichloroethene	8.859	130	292421	48.199	ug/l		100
45) 1,2-Dichloropropane	9.140	63	264354	48.938	ug/l		100
46) Dibromomethane	9.225	93	152822	49.291	ug/l		100
47) Bromodichloromethane	9.420	83	393523	49.327	ug/l		100
48) Methyl methacrylate	9.213	41	160792	51.958	ug/l		100
49) 1,4-Dioxane	9.225	88	36249	997.124	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	853025	255.710	ug/l		100
52) Toluene	10.164	92	735326	49.315	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	359698	49.790	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	424834	49.731	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	204368	49.261	ug/l		100
56) Ethyl methacrylate	10.432	69	273801	51.576	ug/l		100
57) 1,3-Dichloropropane	10.713	76	346510	49.249	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	663351	264.906	ug/l		100
59) 2-Hexanone	10.755	43	584223	257.194	ug/l		100
60) Dibromochloromethane	10.908	129	272171	49.719	ug/l		100
61) 1,2-Dibromoethane	11.005	107	193398	49.598	ug/l		100
64) Tetrachloroethene	10.640	164	327271	48.740	ug/l		100
65) Chlorobenzene	11.438	112	793490	48.920	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	271839	49.381	ug/l		100
67) Ethyl Benzene	11.511	91	1397704	50.073	ug/l		100
68) m/p-Xylenes	11.621	106	1080401	99.103	ug/l		100
69) o-Xylene	11.950	106	516002	50.536	ug/l		100
70) Styrene	11.962	104	844409	50.569	ug/l		100
71) Bromoform	12.127	173	160769	49.969	ug/l	#	100
73) Isopropylbenzene	12.249	105	1324313	49.660	ug/l		100
74) N-amyl acetate	12.066	43	289914	51.264	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	220853	48.503	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	202260m	55.430	ug/l		
77) Bromobenzene	12.523	156	312706	49.152	ug/l		100
78) n-propylbenzene	12.590	91	1593368	50.186	ug/l		100
79) 2-Chlorotoluene	12.670	91	899967	49.473	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1080333	50.126	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	74567	49.500	ug/l		100
82) 4-Chlorotoluene	12.767	91	930329	49.299	ug/l		100
83) tert-Butylbenzene	12.993	119	978031	50.244	ug/l		100
84) 1,2,4-Trimethylbenzene	13.035	105	1071926	49.963	ug/l		100
85) sec-Butylbenzene	13.170	105	1425553	49.854	ug/l		100
86) p-Isopropyltoluene	13.285	119	1196645	50.417	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	608249	48.481	ug/l		100
88) 1,4-Dichlorobenzene	13.359	146	605079	48.618	ug/l		100
89) n-Butylbenzene	13.609	91	1099864	50.454	ug/l		100
90) Hexachloroethane	13.871	117	238005	48.984	ug/l		100
91) 1,2-Dichlorobenzene	13.651	146	536637	48.772	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35867	50.592	ug/l		100
93) 1,2,4-Trichlorobenzene	14.913	180	320080	49.192	ug/l		100
94) Hexachlorobutadiene	15.017	225	185604	48.543	ug/l		100
95) Naphthalene	15.139	128	562363	50.685	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	272154	48.540	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

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

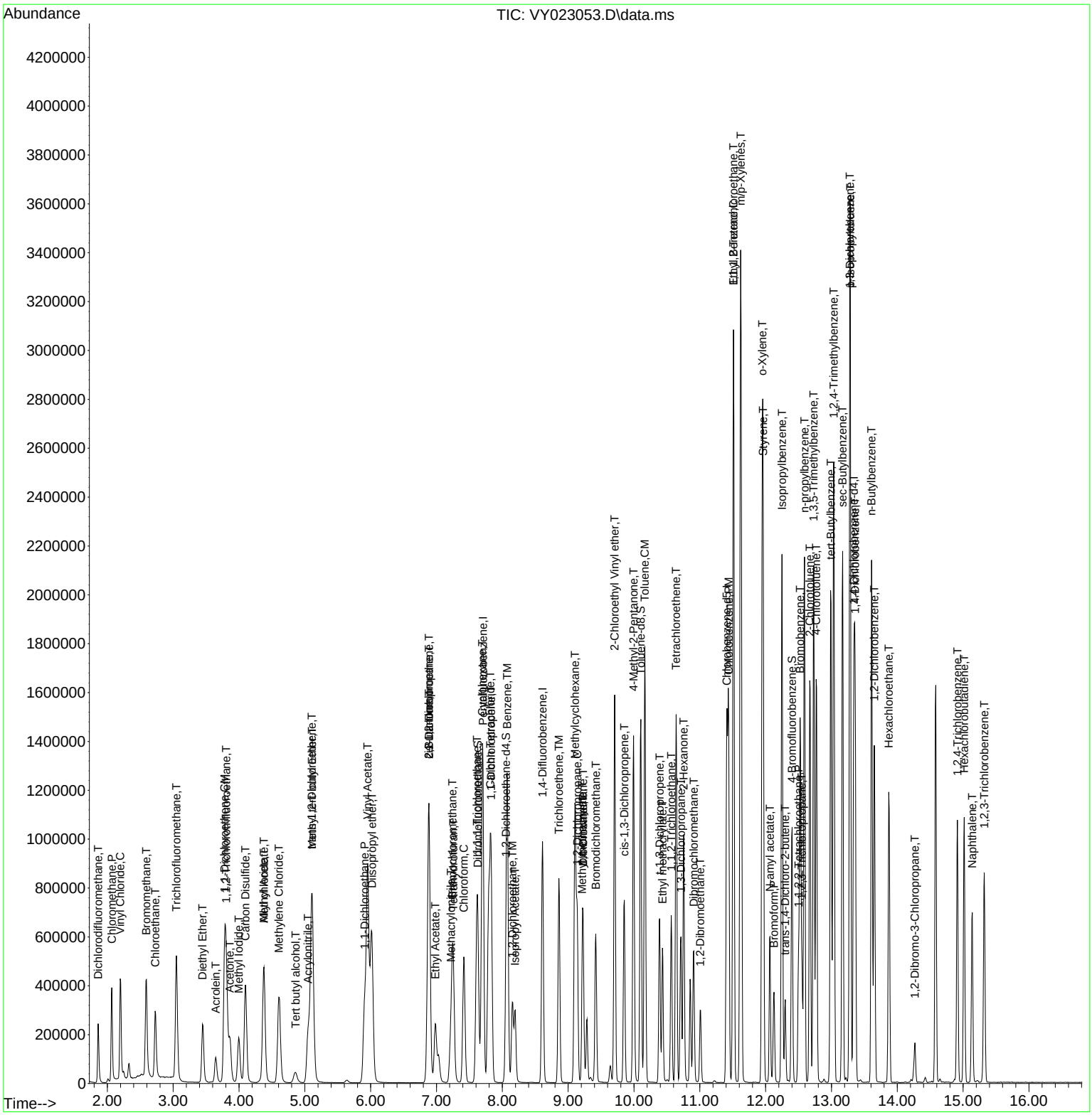
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

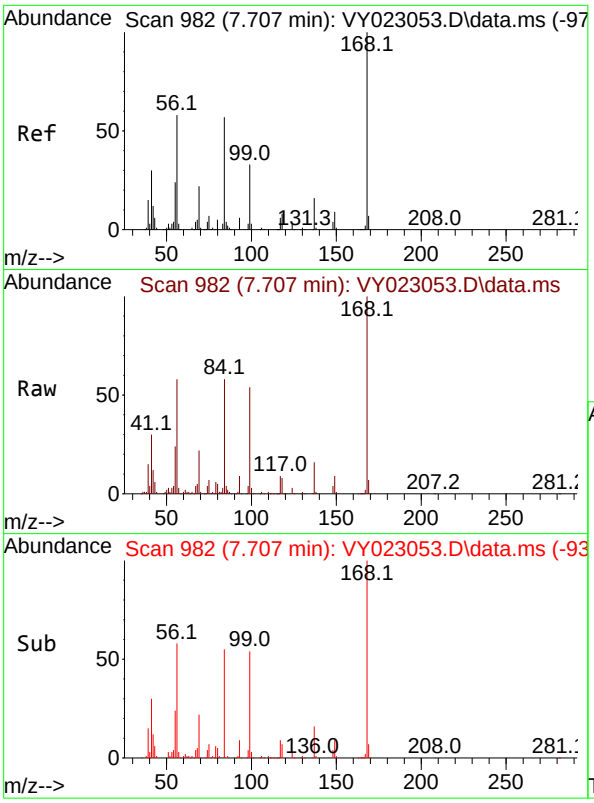
Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

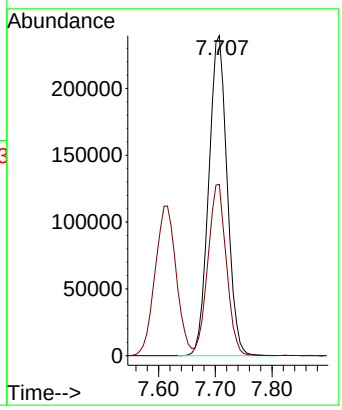




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:168 Resp: 53928

Ion	Ratio	Lower	Upper
168	100		
99	53.5	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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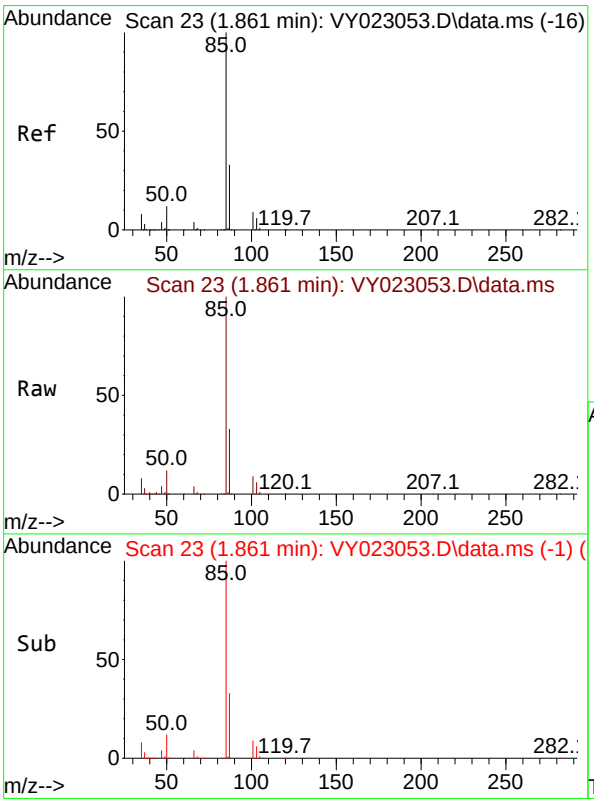
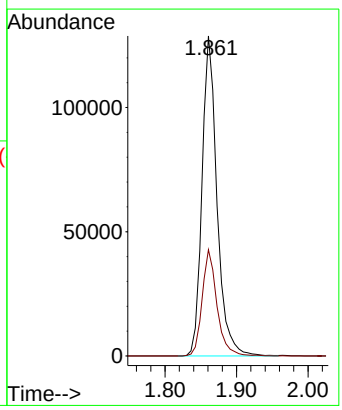
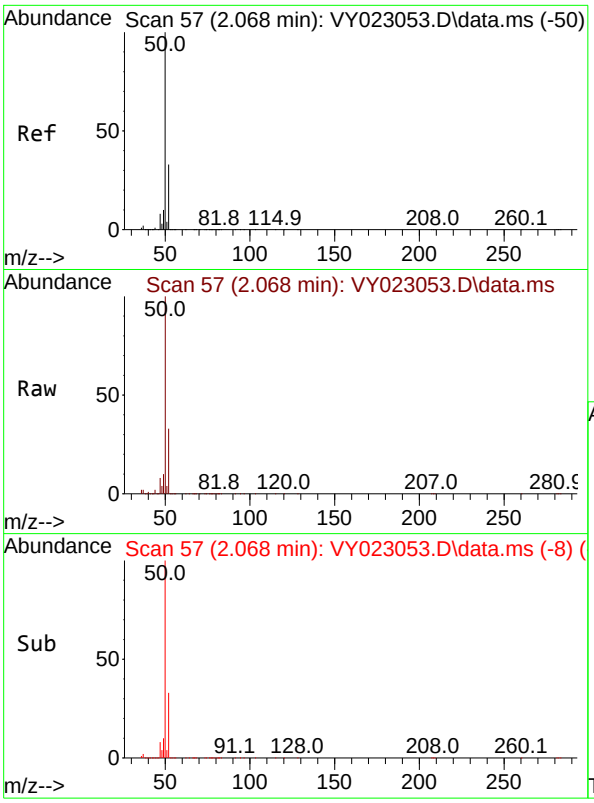


#2
Dichlorodifluoromethane
Concen: 42.677 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 85 Resp: 187863

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8

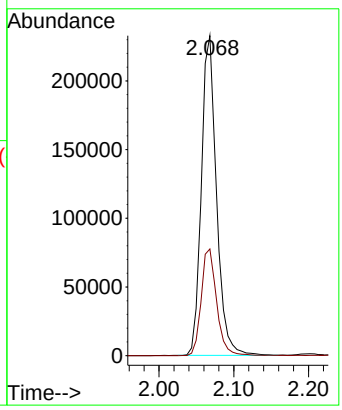




#3
Chloromethane
Concen: 45.932 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 50 Resp: 32748

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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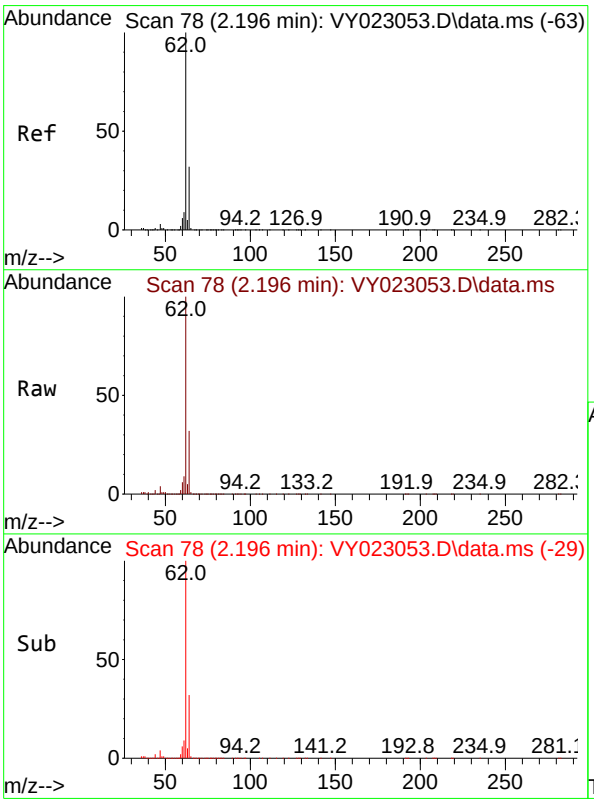
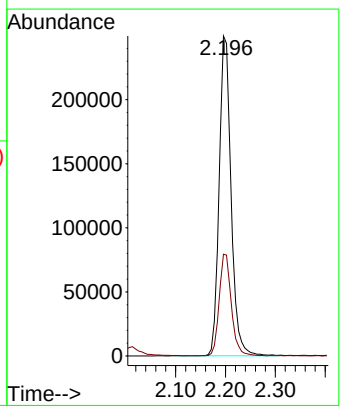
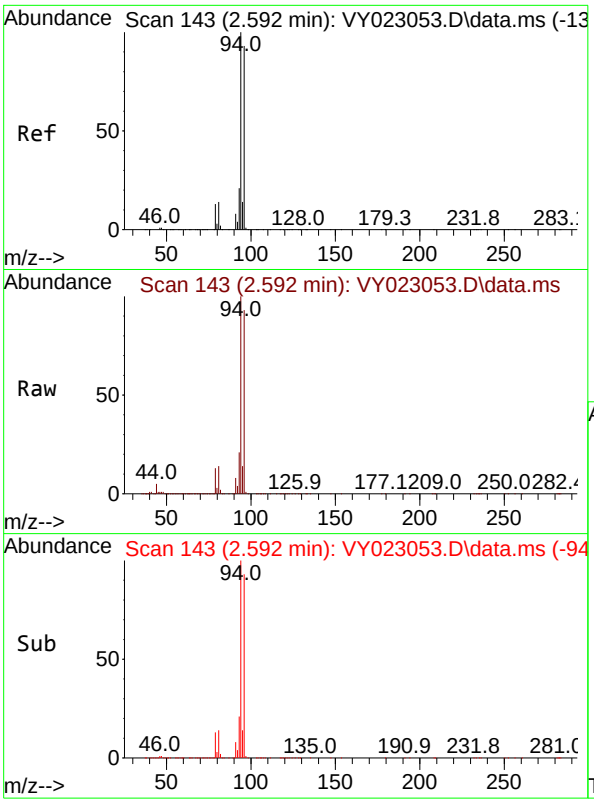


#4
Vinyl Chloride
Concen: 47.044 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 414609

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





#5
Bromomethane
Concen: 44.263 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 94 Resp: 29133

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	112.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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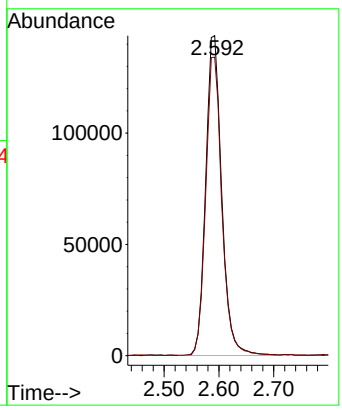
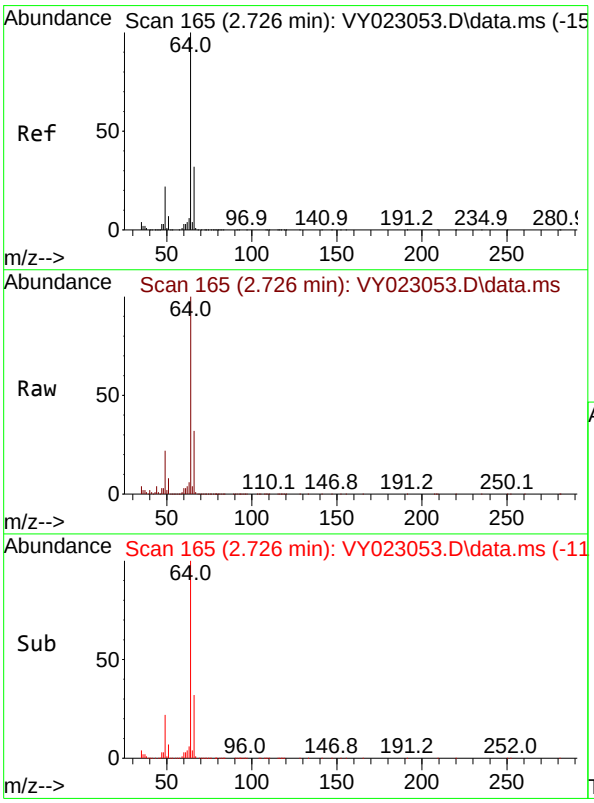
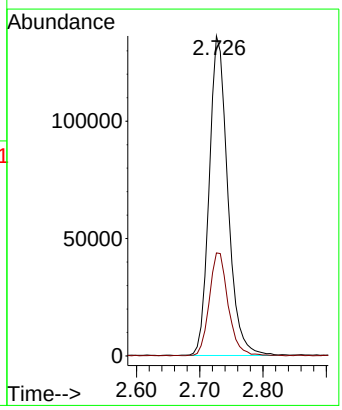


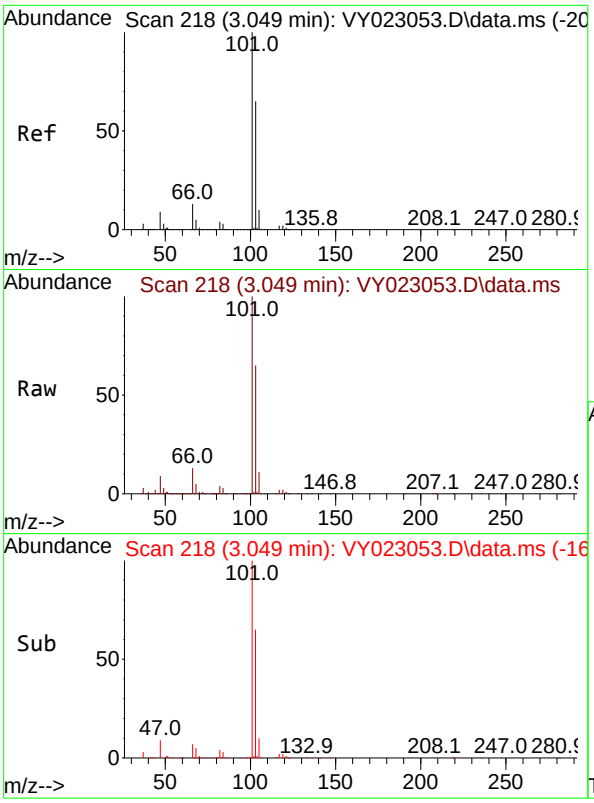


#6
Chloroethane
Concen: 47.394 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 64 Resp: 277698

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6

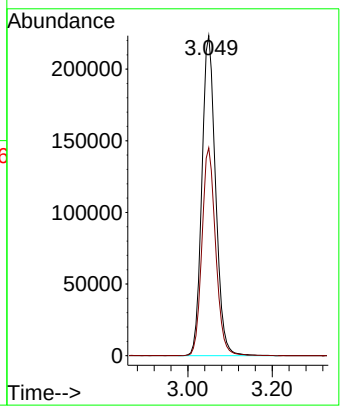




#7
Trichlorofluoromethane
Concen: 47.136 ug/l
RT: 3.049 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:101 Resp: 50513

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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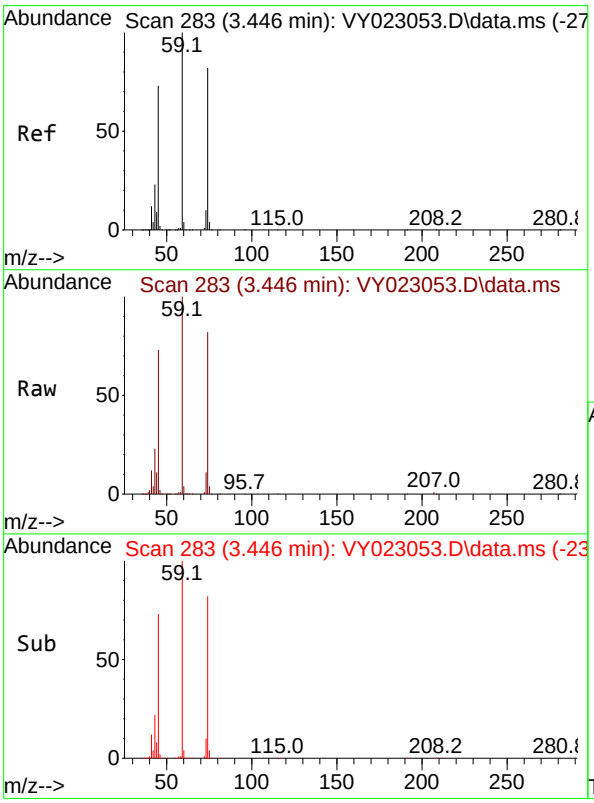
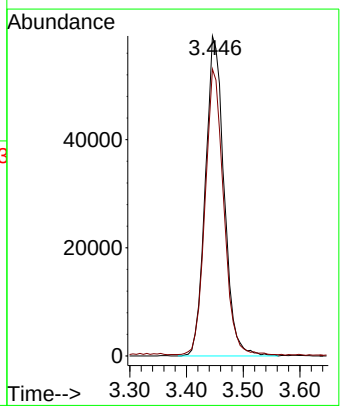
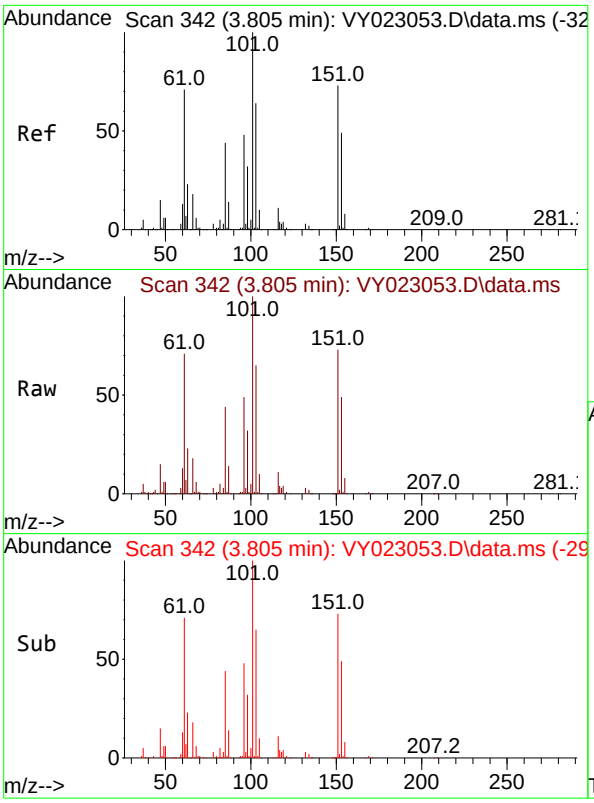


#8
Diethyl Ether
Concen: 47.747 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 74 Resp: 135373

Ion	Ratio	Lower	Upper
74	100		
45	88.8	44.4	133.2

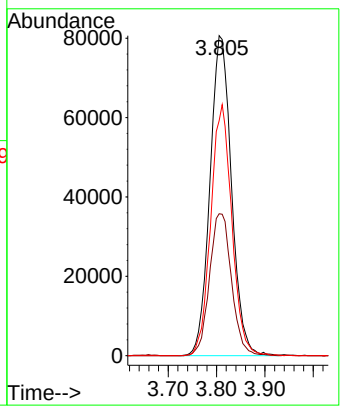




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.109 ug/l
RT: 3.805 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:101 Resp: 24906

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	76.9	61.5	92.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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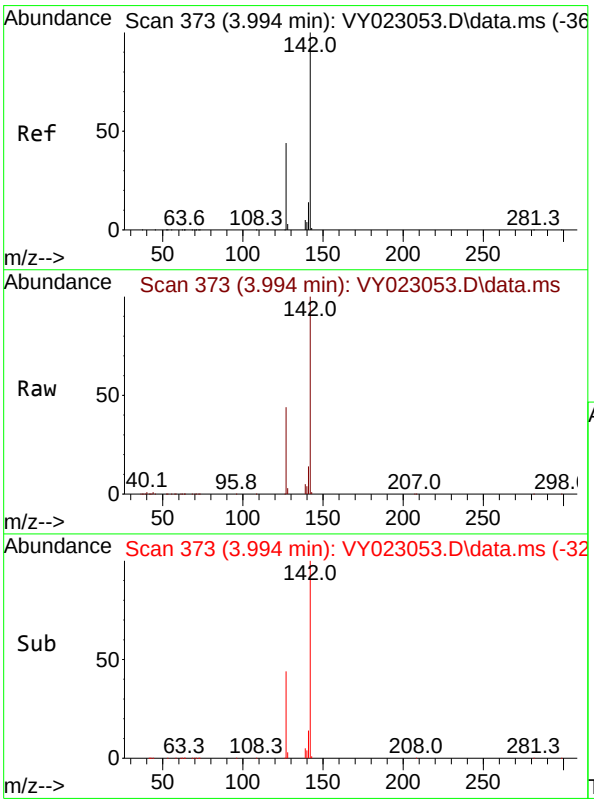
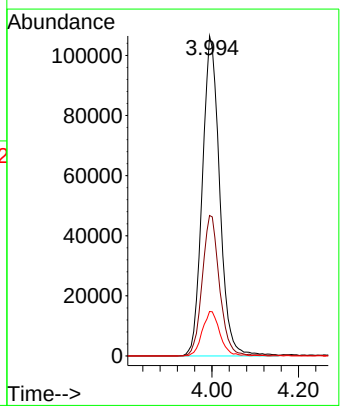
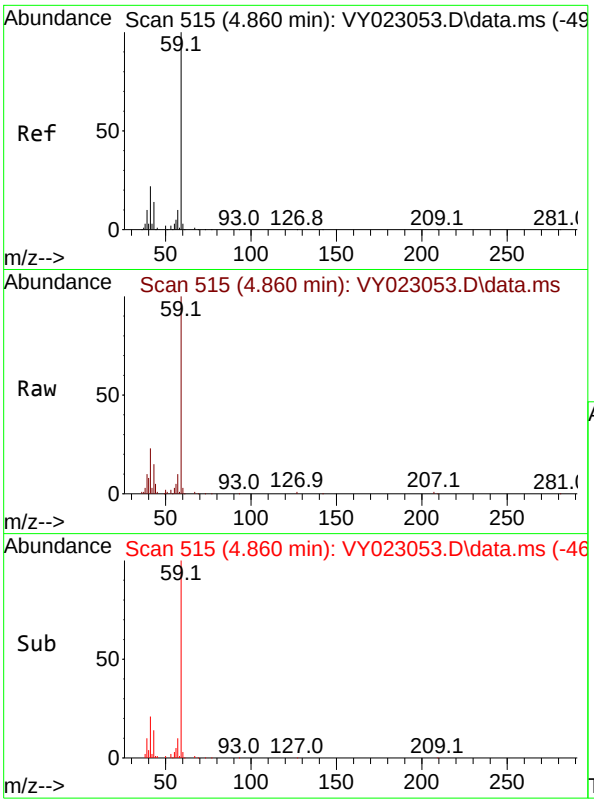


#10
Methyl Iodide
Concen: 51.899 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:142 Resp: 296087

Ion	Ratio	Lower	Upper
142	100		
127	43.6	34.9	52.3
141	14.1	11.3	16.9

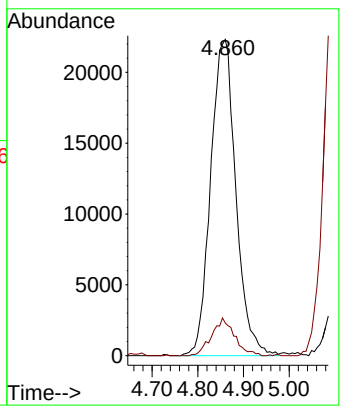




#11
Tert butyl alcohol
Concen: 243.383 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 59 Resp: 8571

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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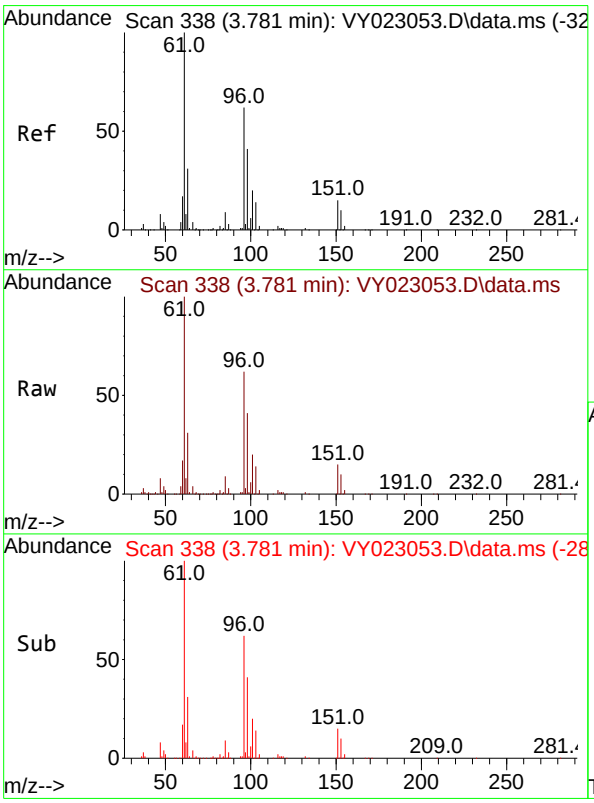
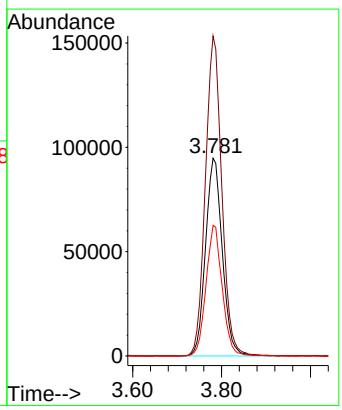
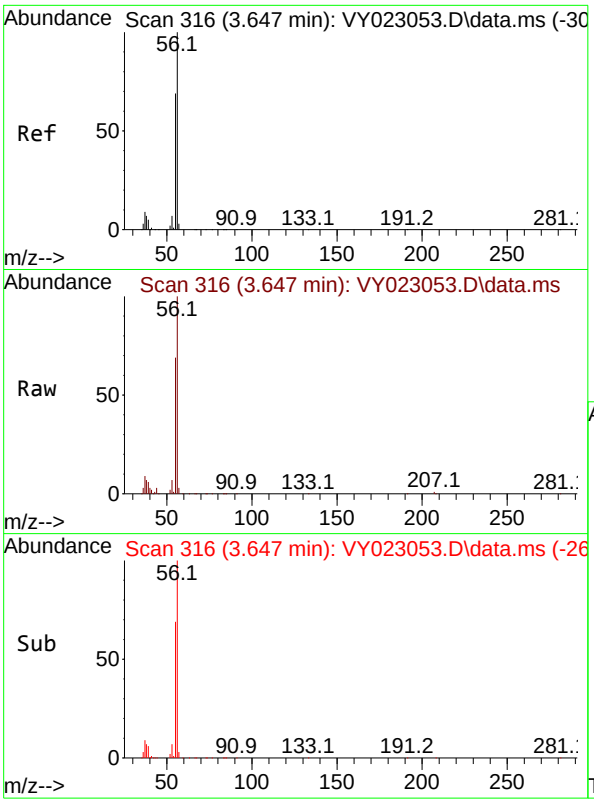


#12
1,1-Dichloroethene
Concen: 48.009 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 249492

Ion	Ratio	Lower	Upper
96	100		
61	161.8	129.4	194.2
98	66.0	52.8	79.2

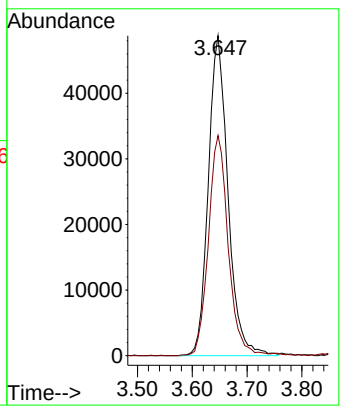




#13
Acrolein
Concen: 234.966 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 56 Resp: 12118

Ion	Ratio	Lower	Upper
56	100		
55	69.0	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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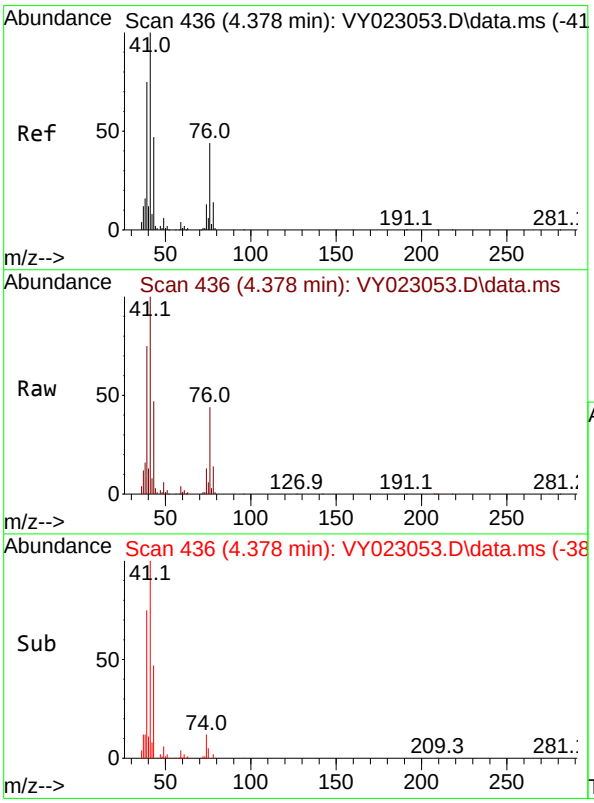
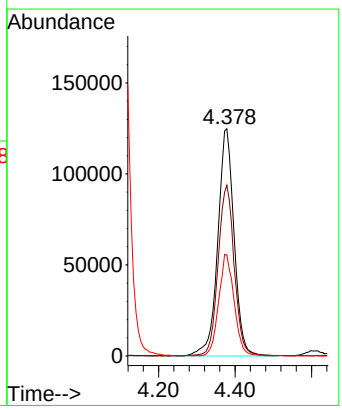
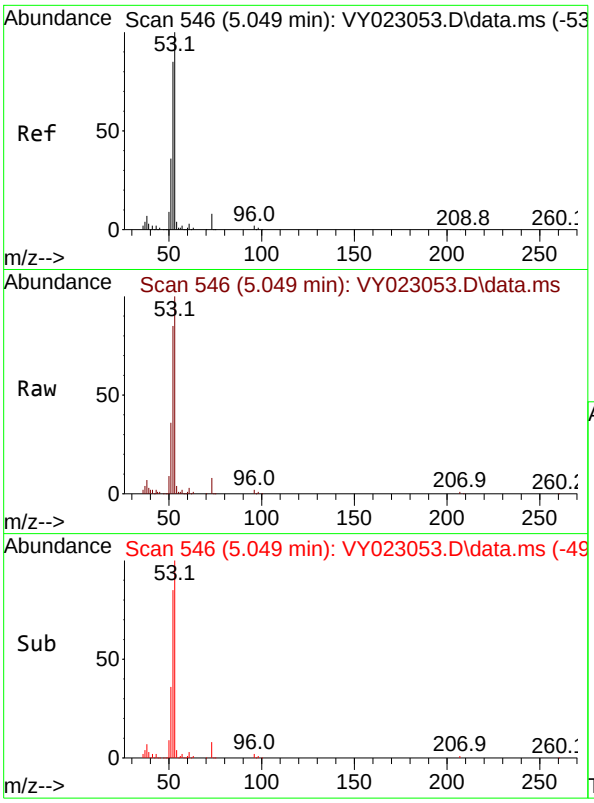


#14
Allyl chloride
Concen: 48.350 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 369720

Ion	Ratio	Lower	Upper
41	100		
39	74.7	59.8	89.6
76	42.1	33.7	50.5

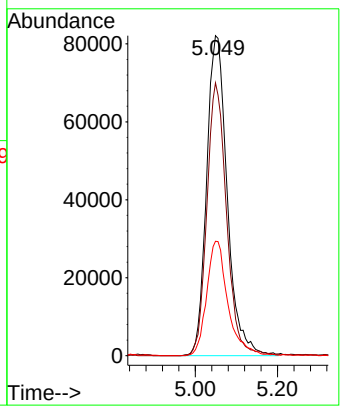




#15
Acrylonitrile
Concen: 247.839 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 53 Resp: 28567

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	36.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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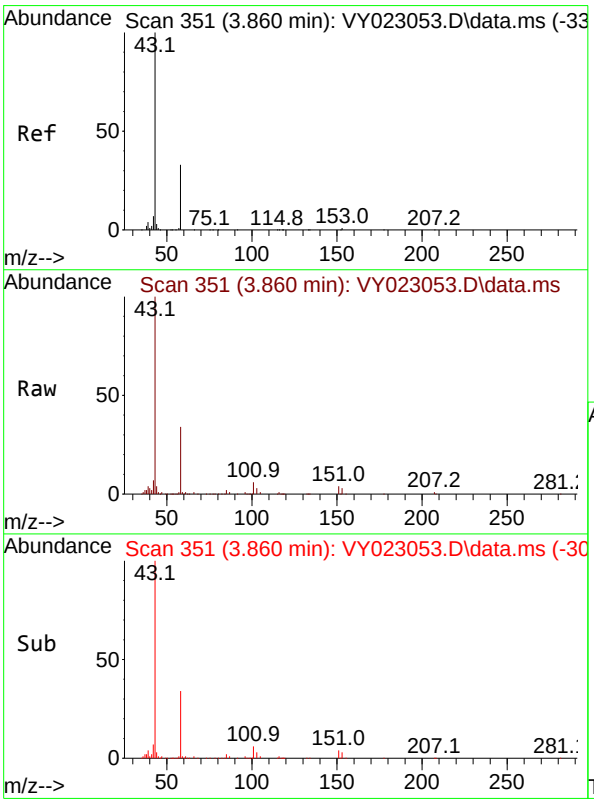
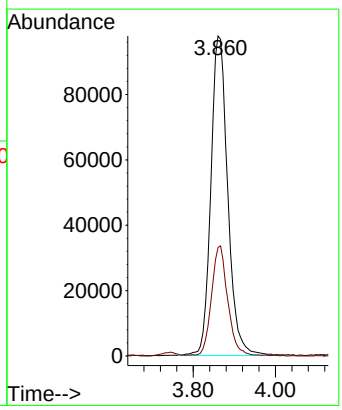
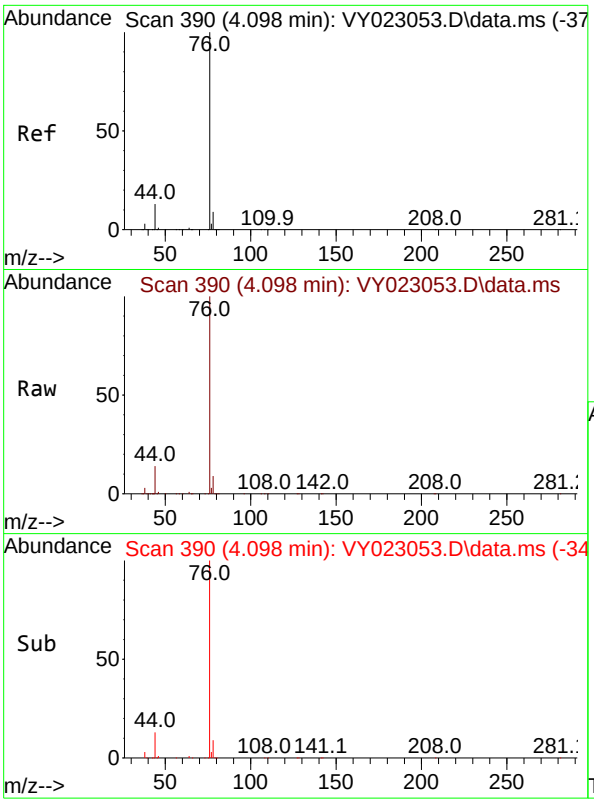


#16
Acetone
Concen: 250.122 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 278510

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7

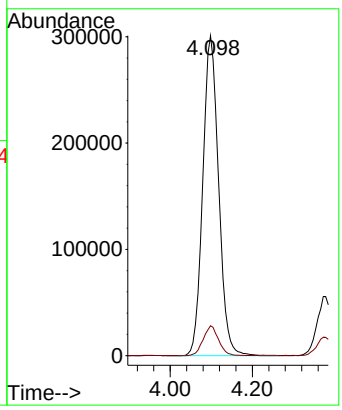




#17
Carbon Disulfide
Concen: 47.456 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 76 Resp: 80411

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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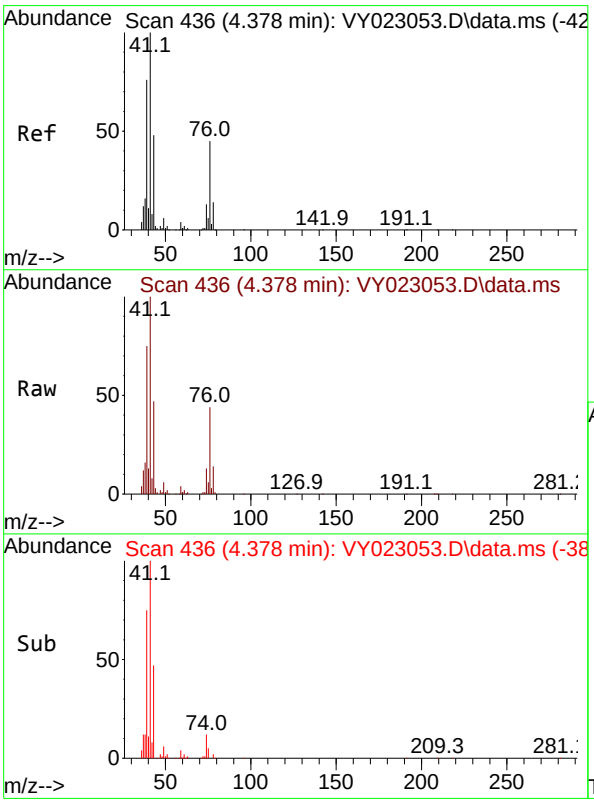
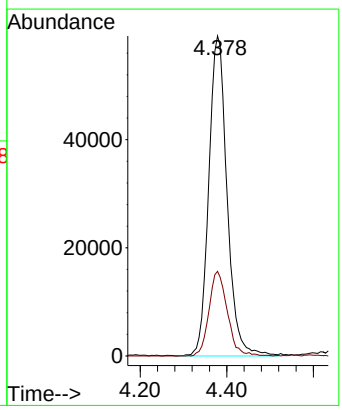
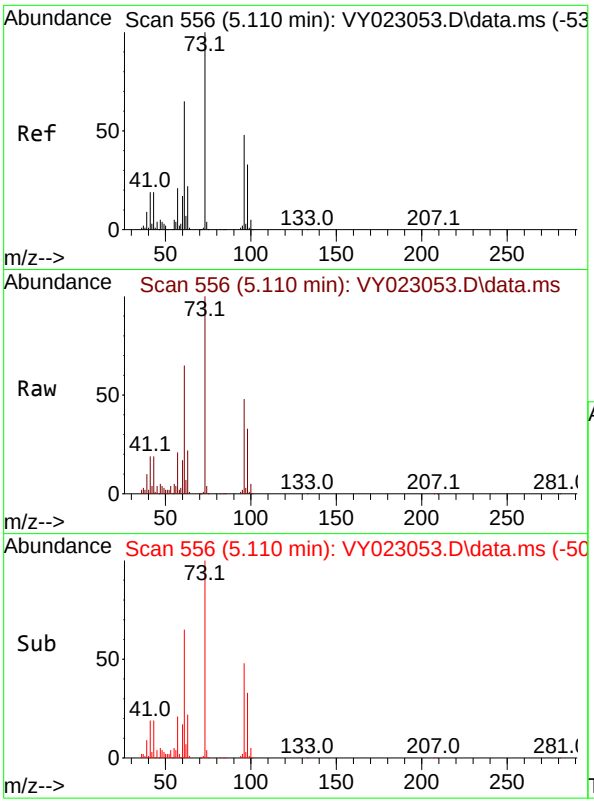


#18
Methyl Acetate
Concen: 52.403 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 173642

Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.2	31.8

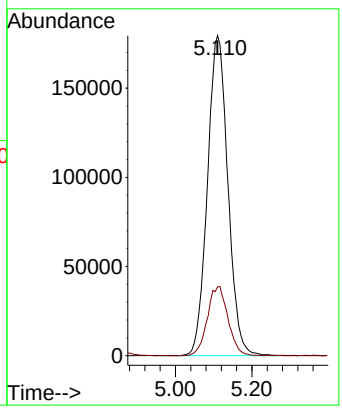




#19
Methyl tert-butyl Ether
Concen: 49.495 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 73 Resp: 66651

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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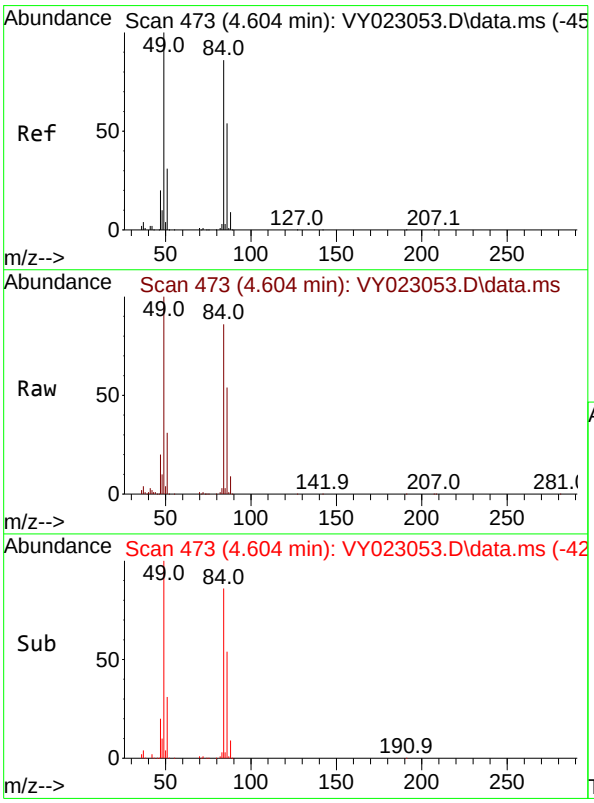
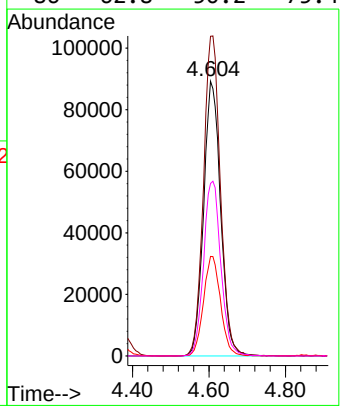
Supervised By :Semsettin Yesilyurt 08/14/2025

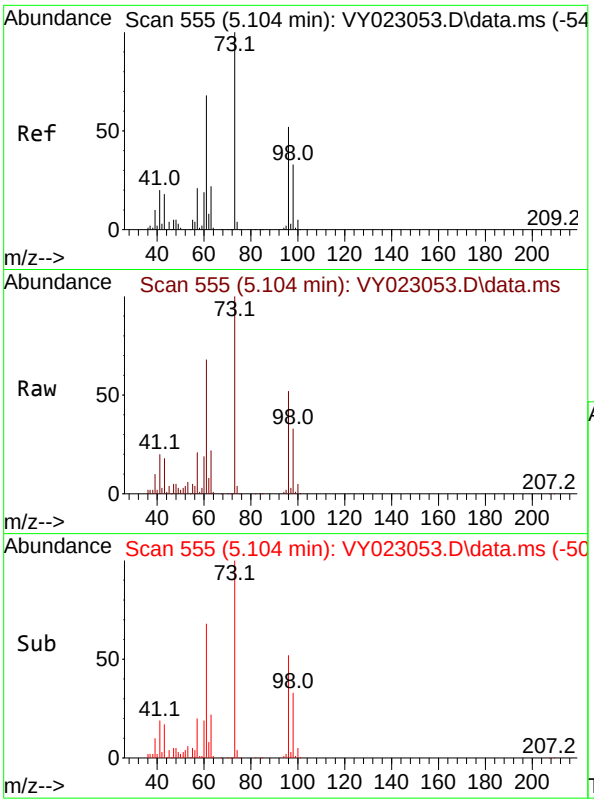


#20
Methylene Chloride
Concen: 47.415 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 84 Resp: 275004

Ion	Ratio	Lower	Upper
84	100		
49	116.3	93.0	139.6
51	36.2	29.0	43.4
86	62.8	50.2	75.4

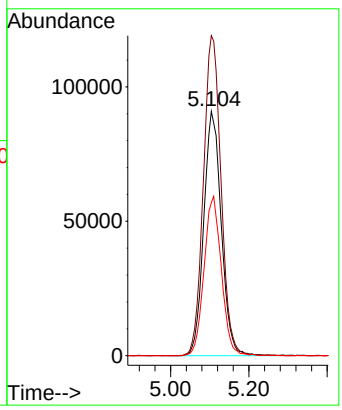




#21
trans-1,2-Dichloroethene
Concen: 48.334 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 28227

Ion	Ratio	Lower	Upper
96	100		
61	131.0	104.8	157.2
98	62.6	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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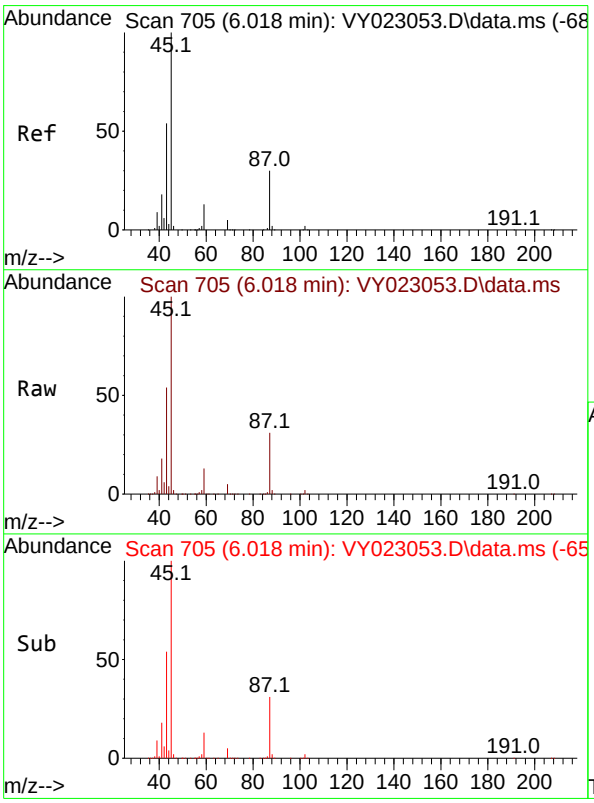
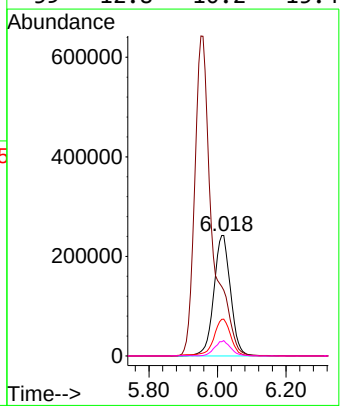
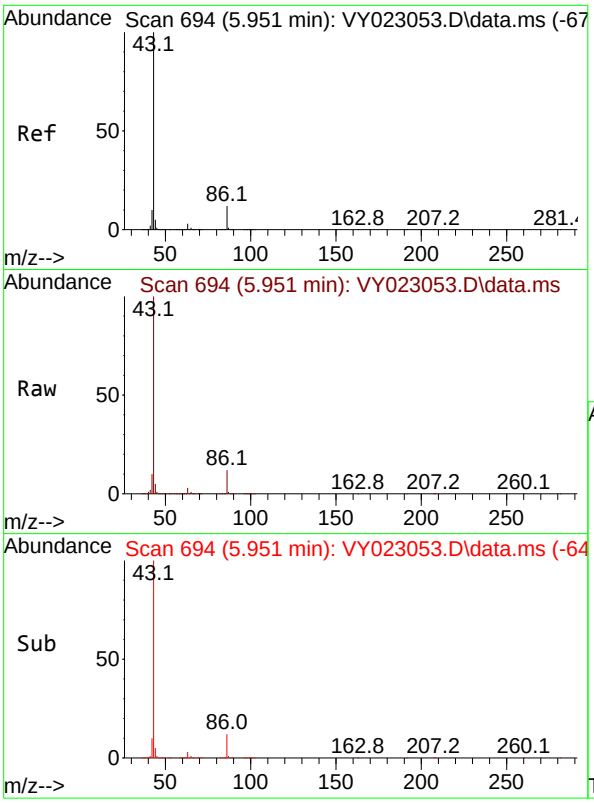


#22
Diisopropyl ether
Concen: 49.070 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 45 Resp: 815359

Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.4	65.0
87	30.5	24.4	36.6
59	12.8	10.2	15.4

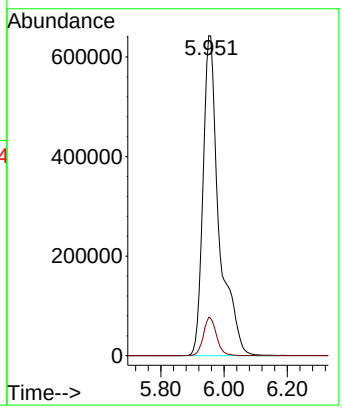




#23
Vinyl Acetate
Concen: 246.849 ug/l
RT: 5.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 226804

Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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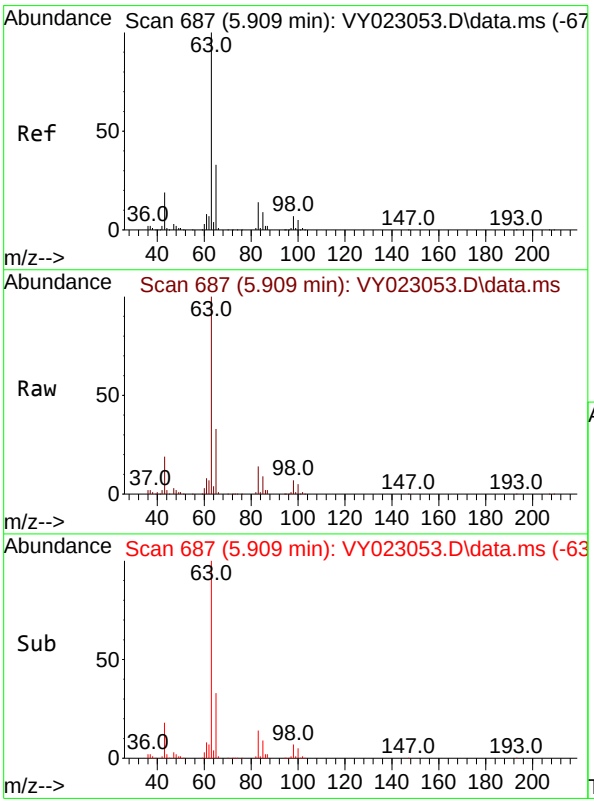
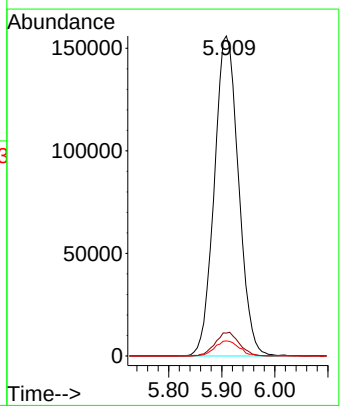
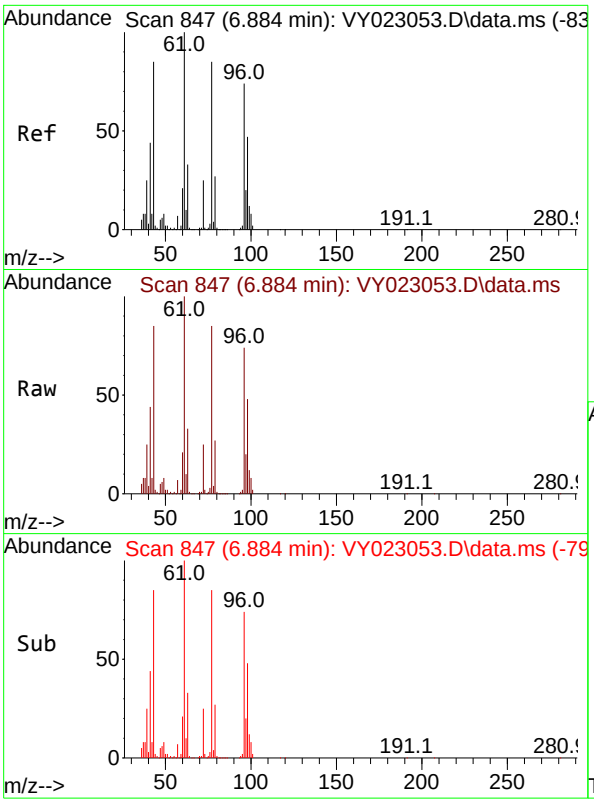


#24
1,1-Dichloroethane
Concen: 48.732 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 495073

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.7	2.4	7.1

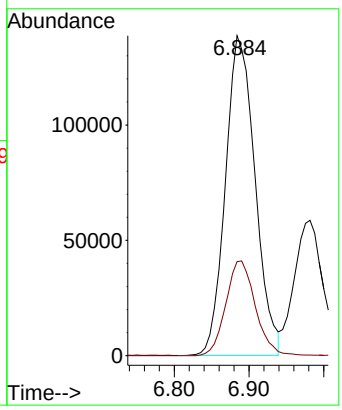




#25
2-Butanone
Concen: 252.715 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 38271

Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.5	35.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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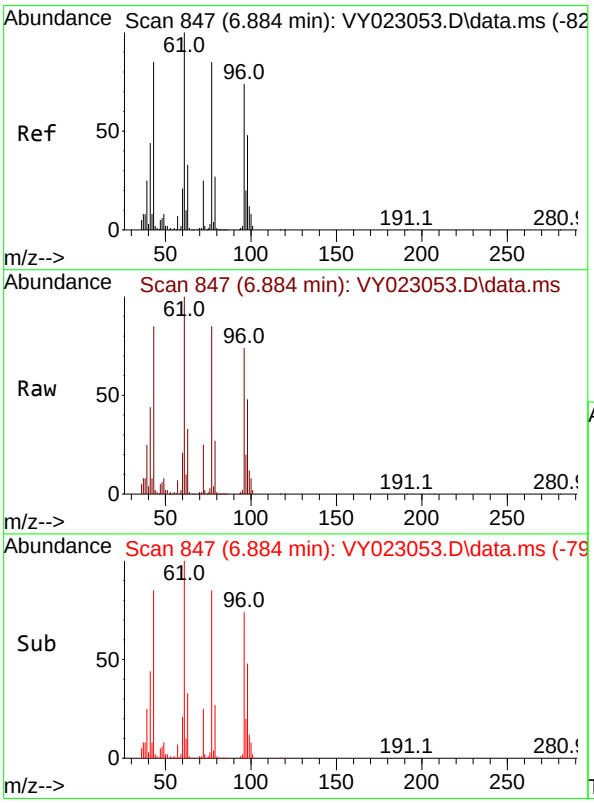
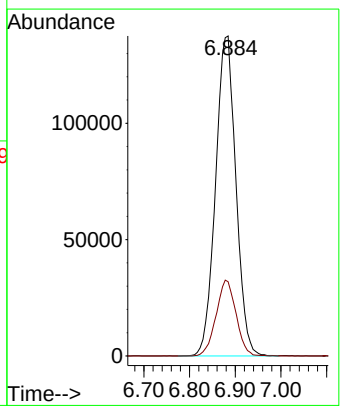
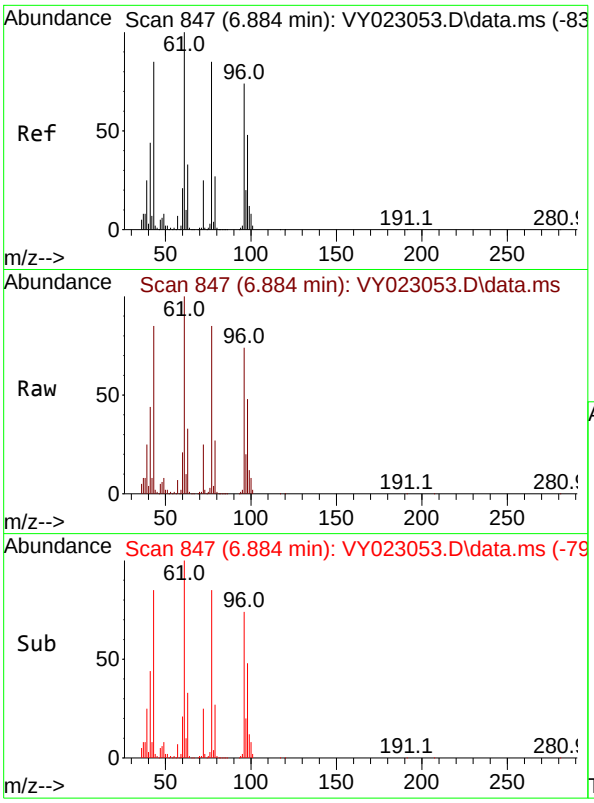


#26
2,2-Dichloropropane
Concen: 48.571 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 77 Resp: 425773

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8

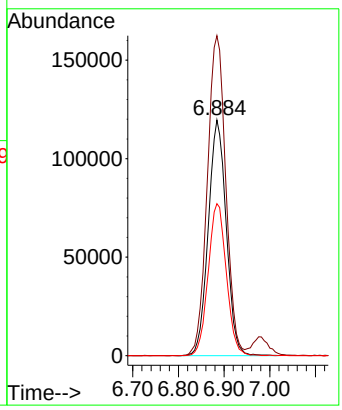




#27
cis-1,2-Dichloroethene
Concen: 48.474 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 32727

Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	278.6
98	65.2	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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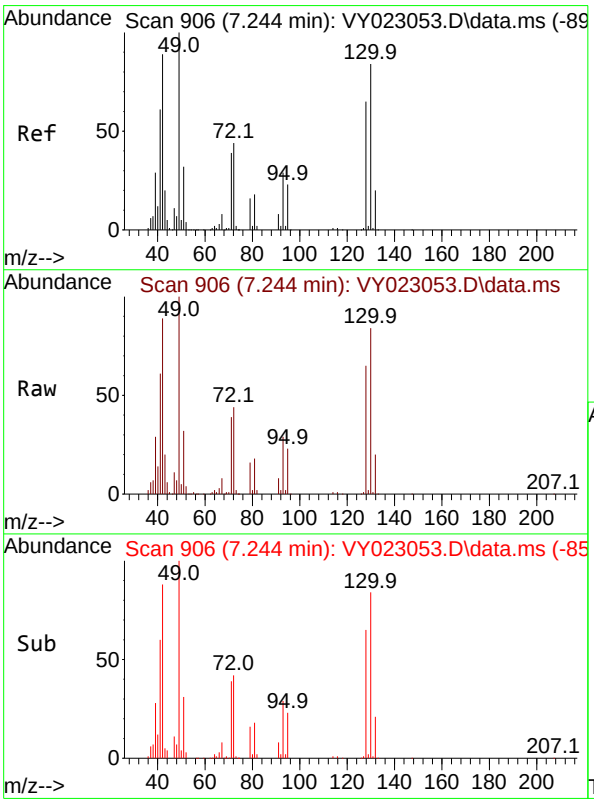
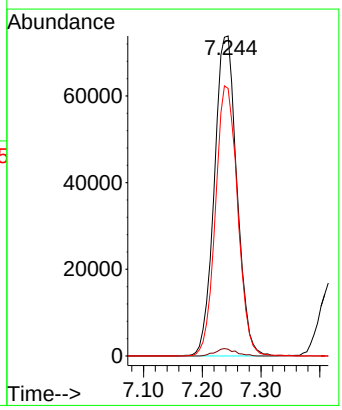
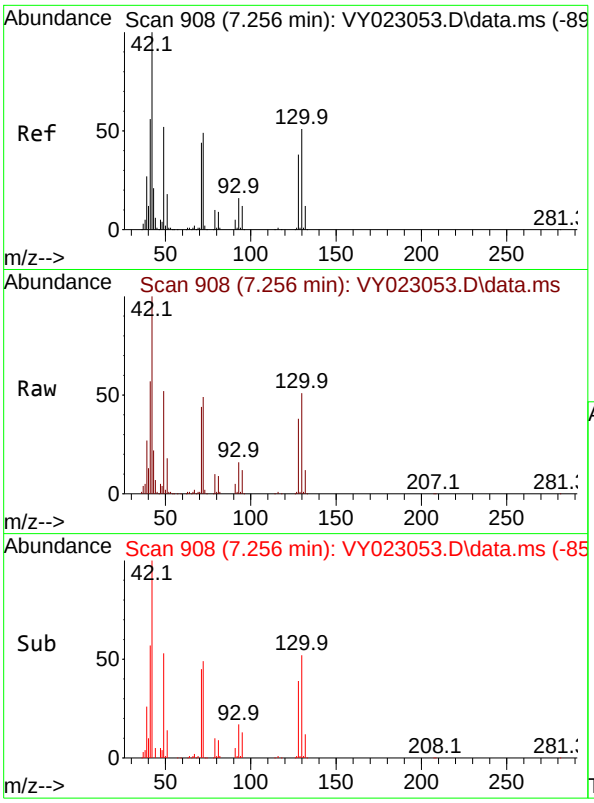


#28
Bromochloromethane
Concen: 48.795 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 49 Resp: 196667

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.0	66.4	99.6

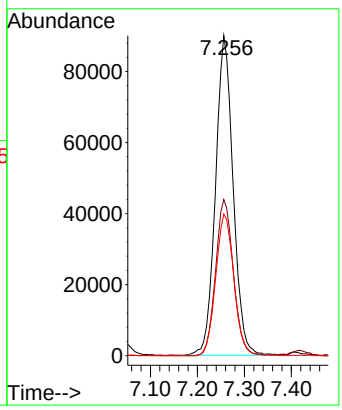




#29
Tetrahydrofuran
Concen: 250.523 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 42 Resp: 23516

Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.4	59.2
71	45.6	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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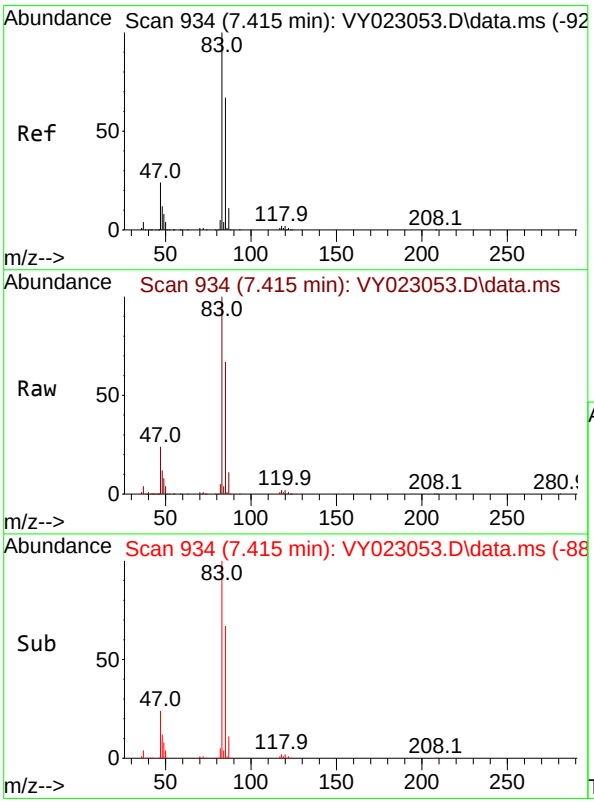
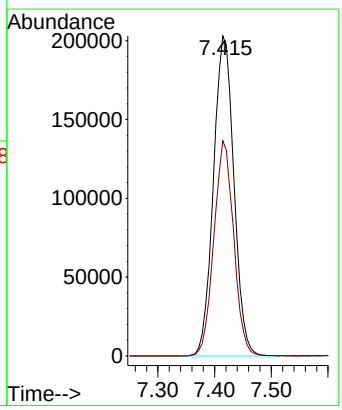
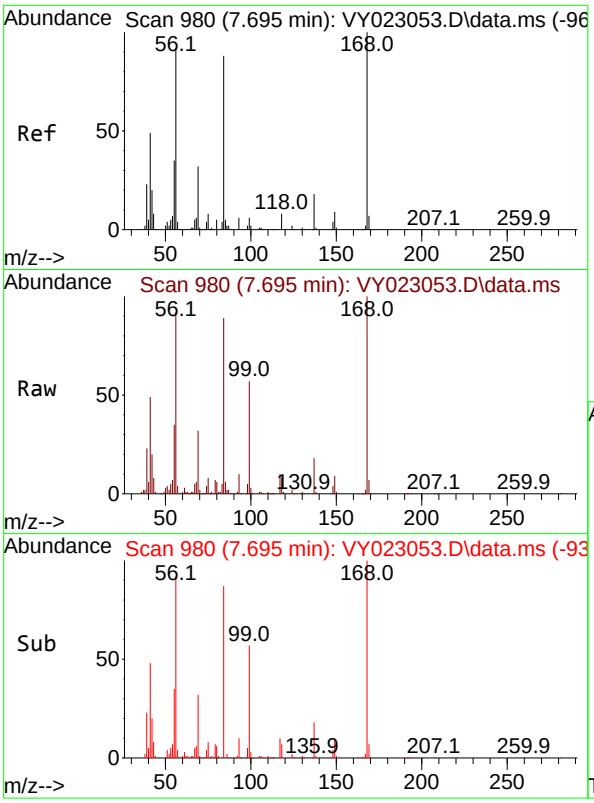


#30
Chloroform
Concen: 48.547 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 83 Resp: 508641

Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.8	80.8

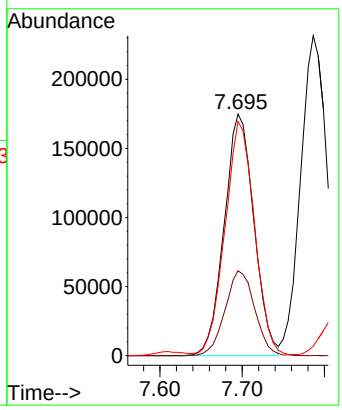




#31
Cyclohexane
Concen: 45.989 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 56 Resp: 44026

Ion	Ratio	Lower	Upper
56	100		
69	35.2	28.2	42.2
84	95.7	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
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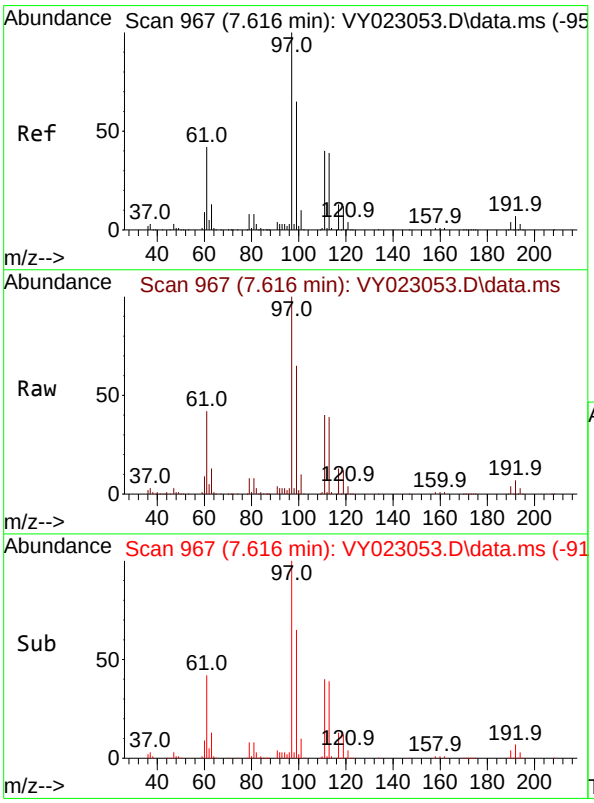
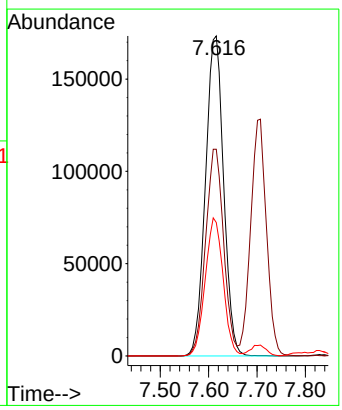
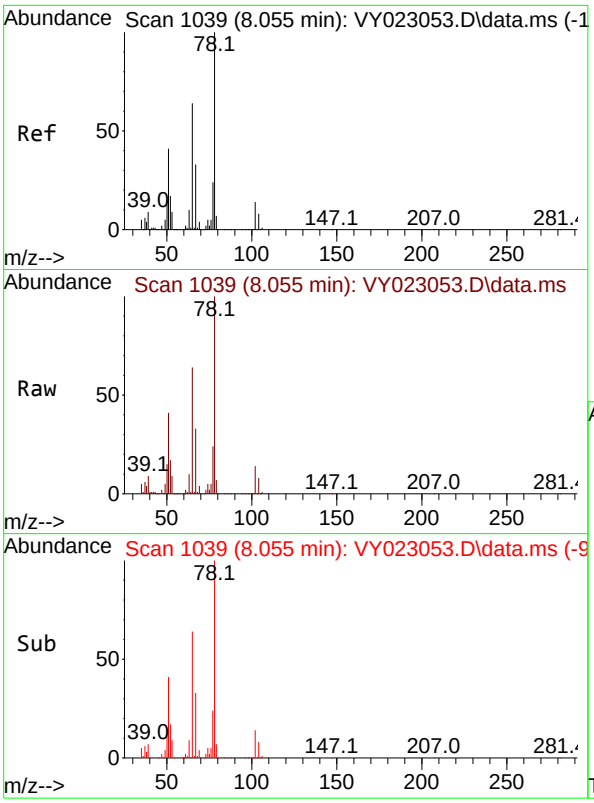


#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 97 Resp: 451521

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.7	34.2	51.2

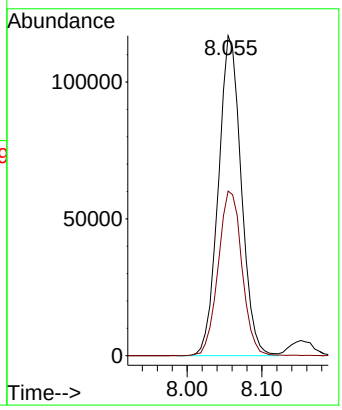




#33
1,2-Dichloroethane-d4
Concen: 48.455 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 65 Resp: 24904

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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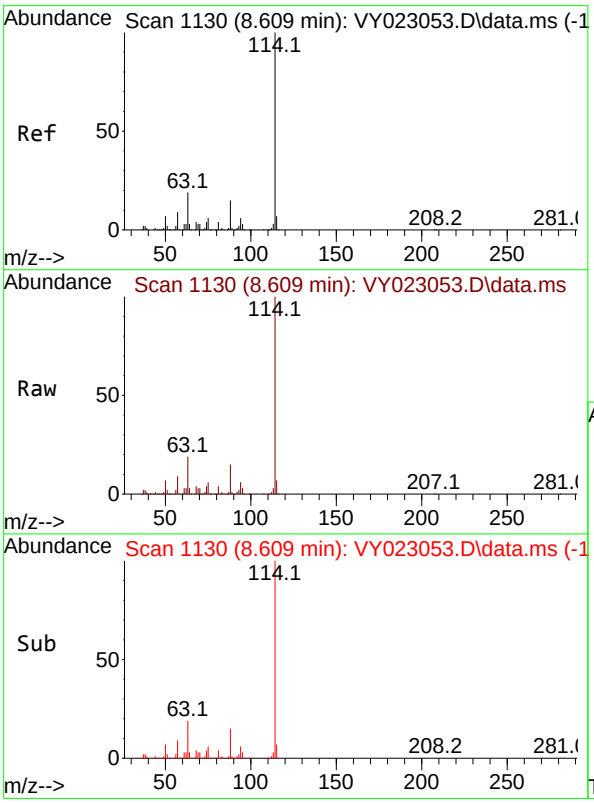
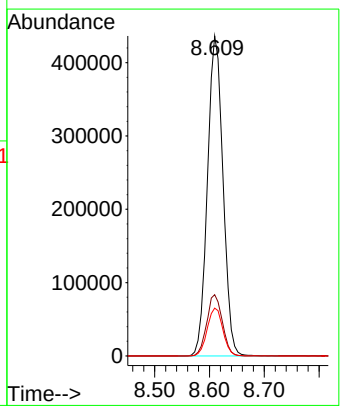
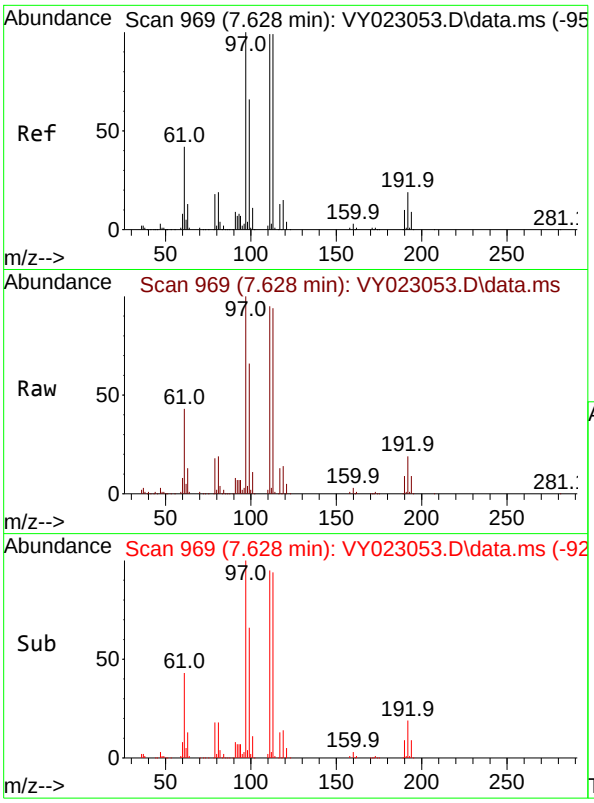


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:114 Resp: 856556

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	15.0	0.0	30.0

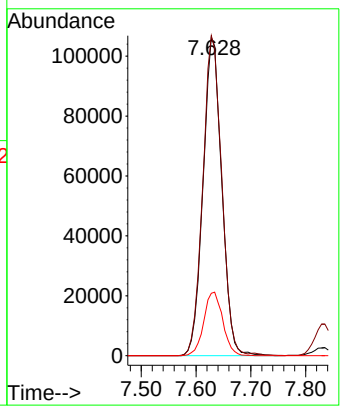




#35
Dibromofluoromethane
Concen: 49.010 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:113 Resp: 25119

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	20.3	16.2	24.4



Instrument :
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ClientSampleId :
VSTDICCC050

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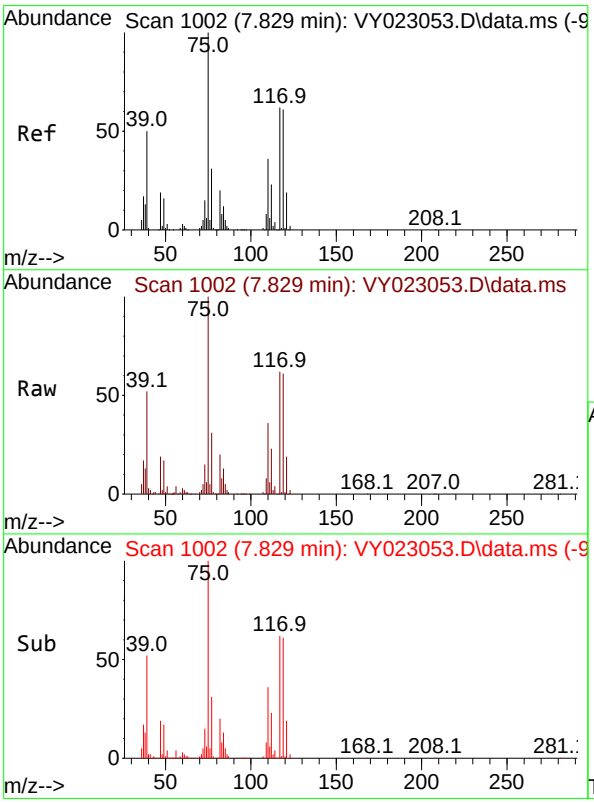
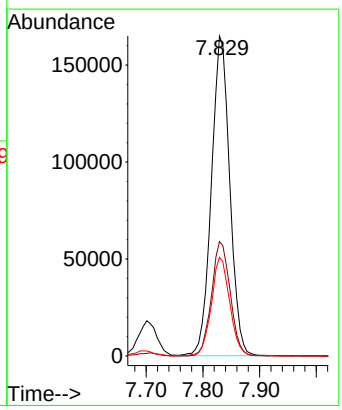
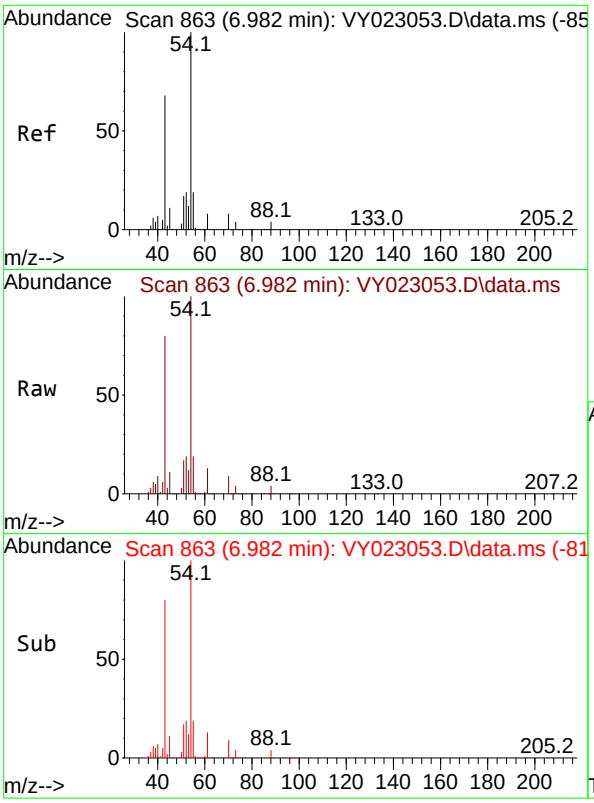


#36
1,1-Dichloropropene
Concen: 48.734 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 371204

Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.4
77	30.8	24.6	37.0





#37
Ethyl Acetate
Concen: 50.311 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 16098

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.0	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
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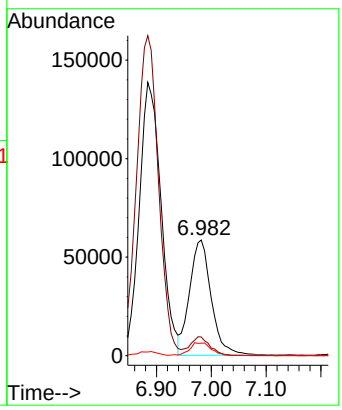
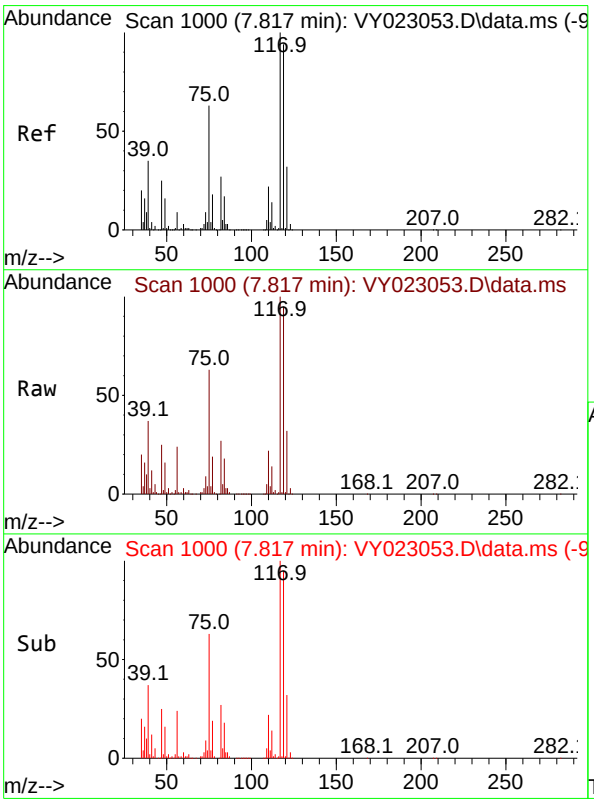
Supervised By :Semsettin Yesilyurt 08/14/2025

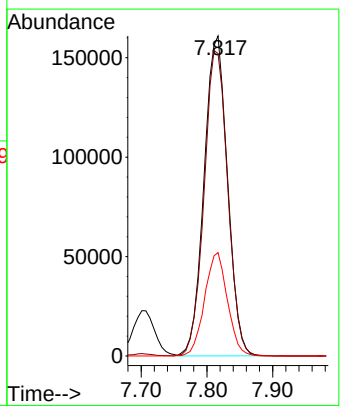


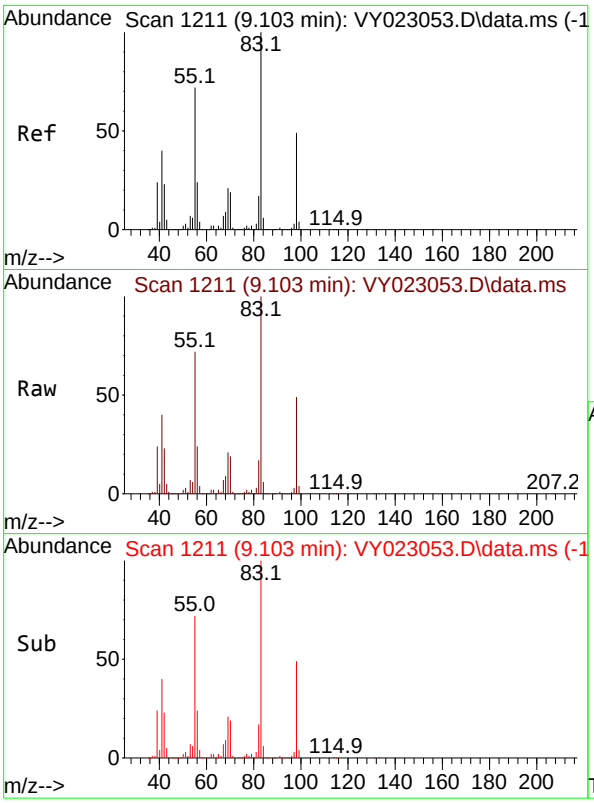


#38
Carbon Tetrachloride
Concen: 48.285 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:117 Resp: 399463

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	32.3	25.8	38.8





#39
Methylcyclohexane
Concen: 48.321 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 83 Resp: 48469

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.6	86.4
98	49.0	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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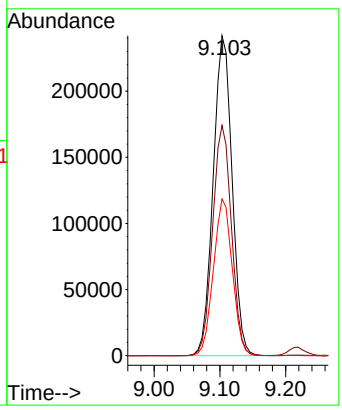
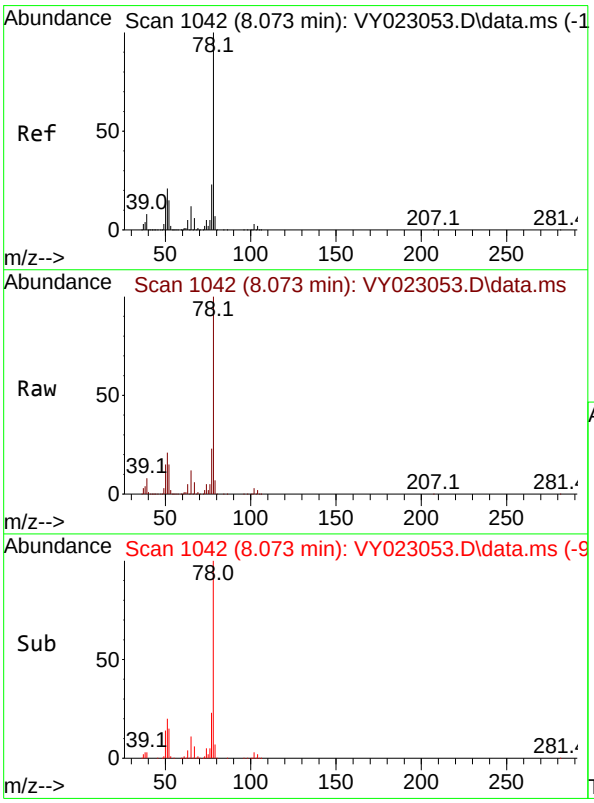
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

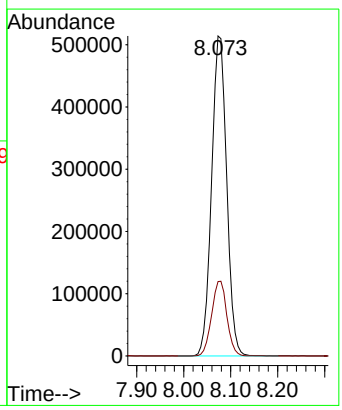


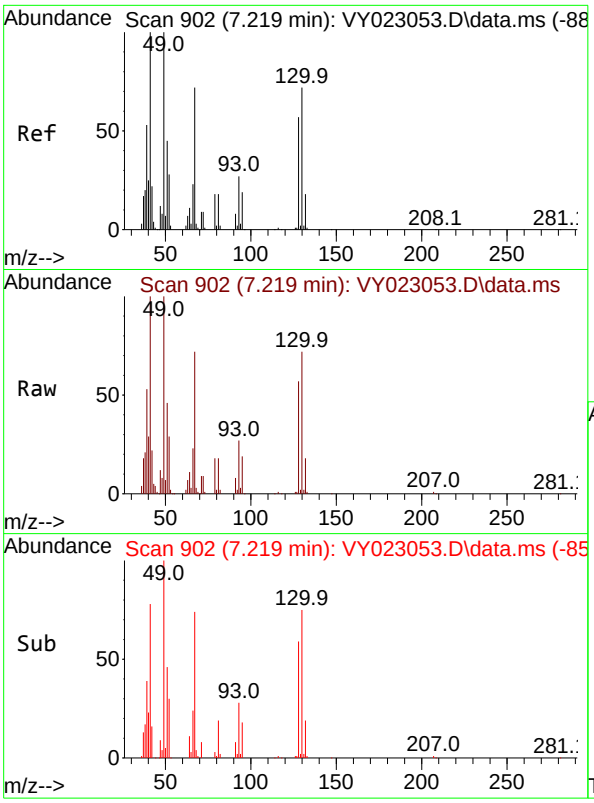


#40
Benzene
Concen: 48.683 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 78 Resp: 1142910

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0

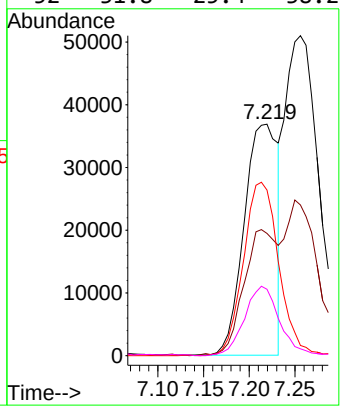




#41
Methacrylonitrile
Concen: 50.916 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 9412

Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.2
67	79.5	63.6	95.4
52	31.8	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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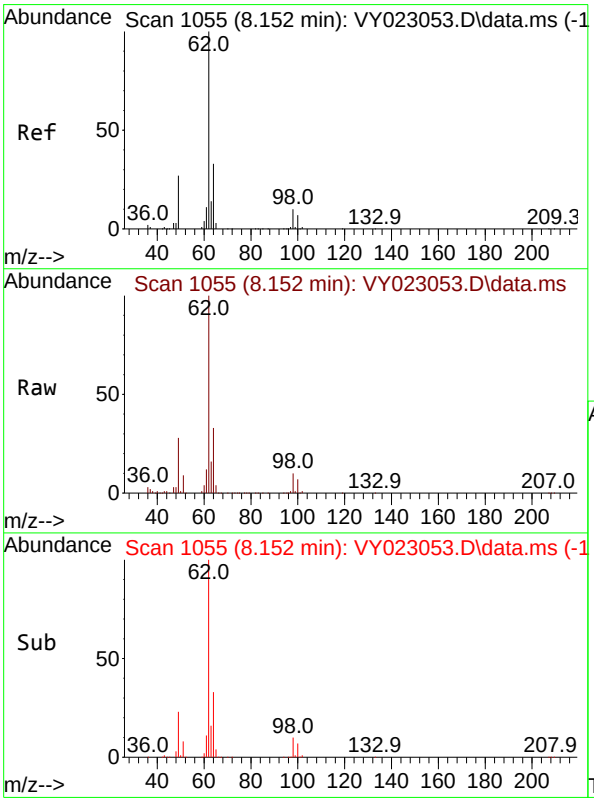
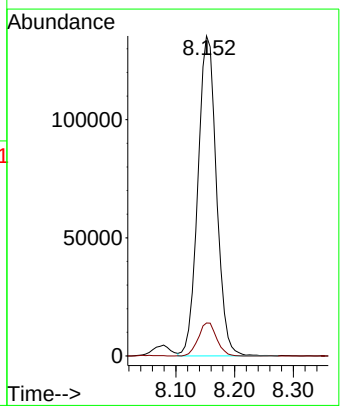
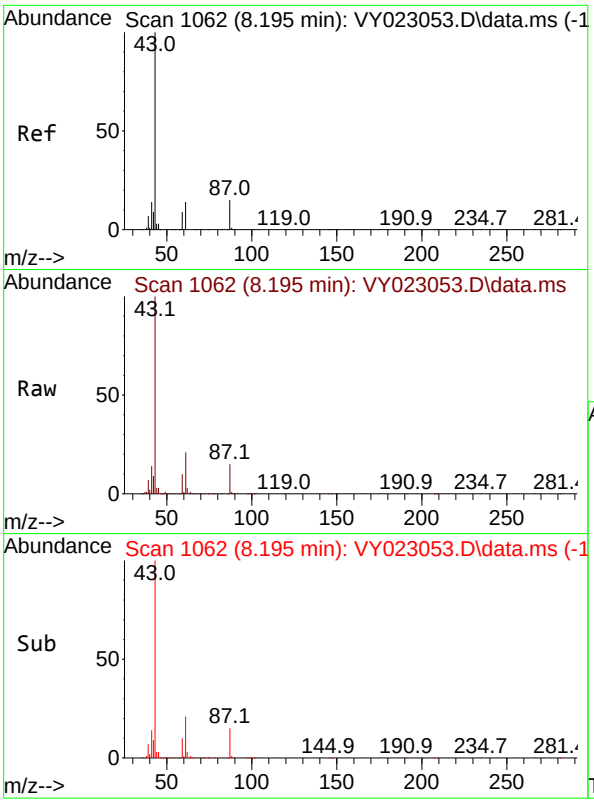


#42
1,2-Dichloroethane
Concen: 48.627 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 296907

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6

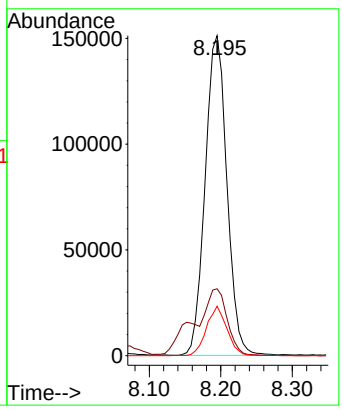




#43
Isopropyl Acetate
Concen: 49.419 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 31960

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	14.7	11.8	17.6



Instrument :
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ClientSampleId :
VSTDICCC050

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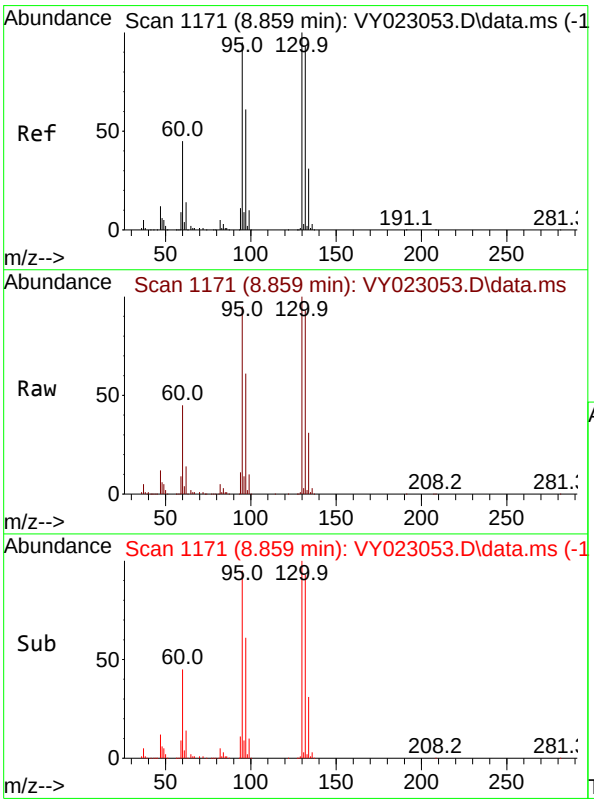
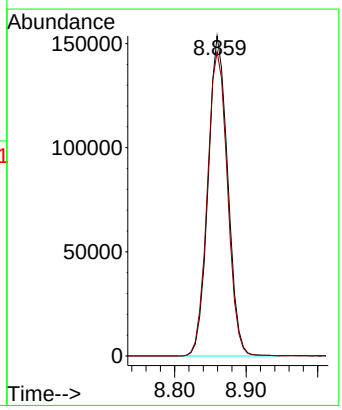
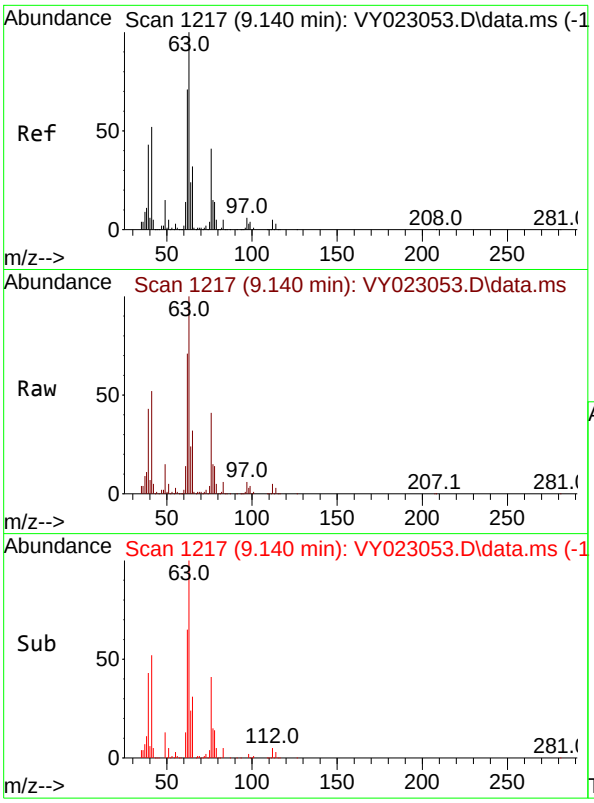


#44
Trichloroethene
Concen: 48.199 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:130 Resp: 292421

Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.2

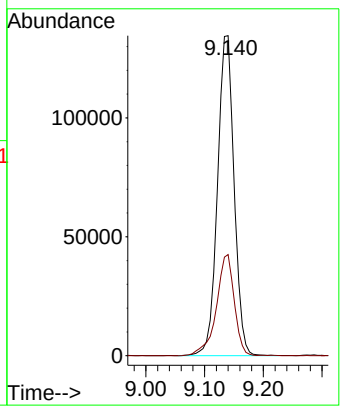




#45
1,2-Dichloropropane
Concen: 48.938 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 26435

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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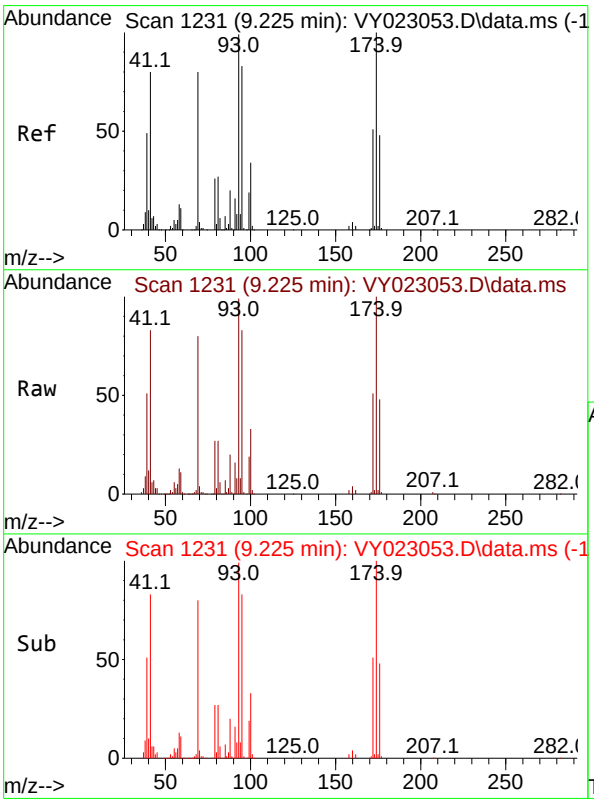
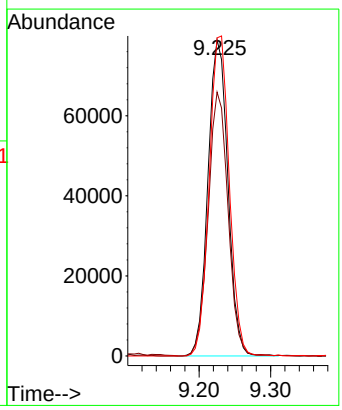
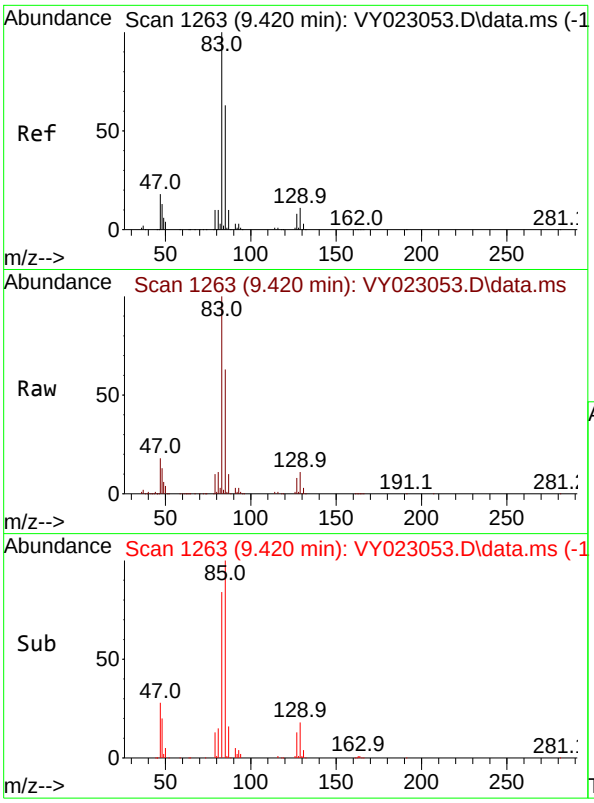


#46
Dibromomethane
Concen: 49.291 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 93 Resp: 152822

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	102.3	81.8	122.8

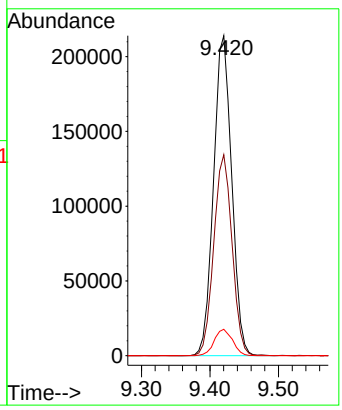




#47
Bromodichloromethane
Concen: 49.327 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 83 Resp: 39352

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.3	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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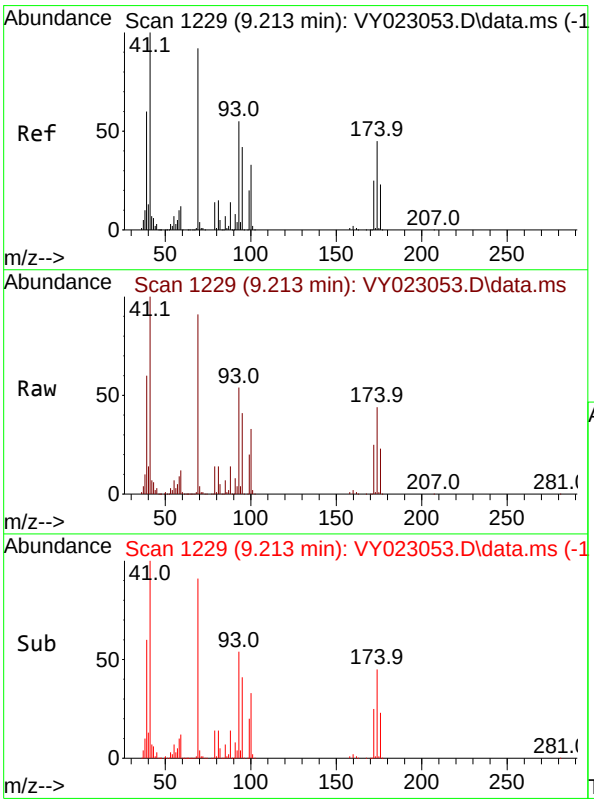
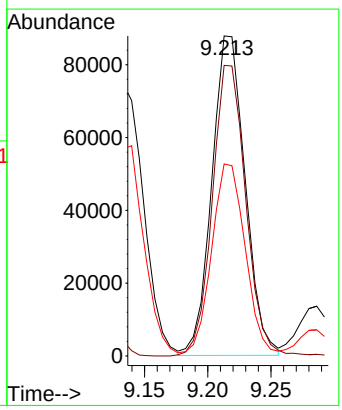
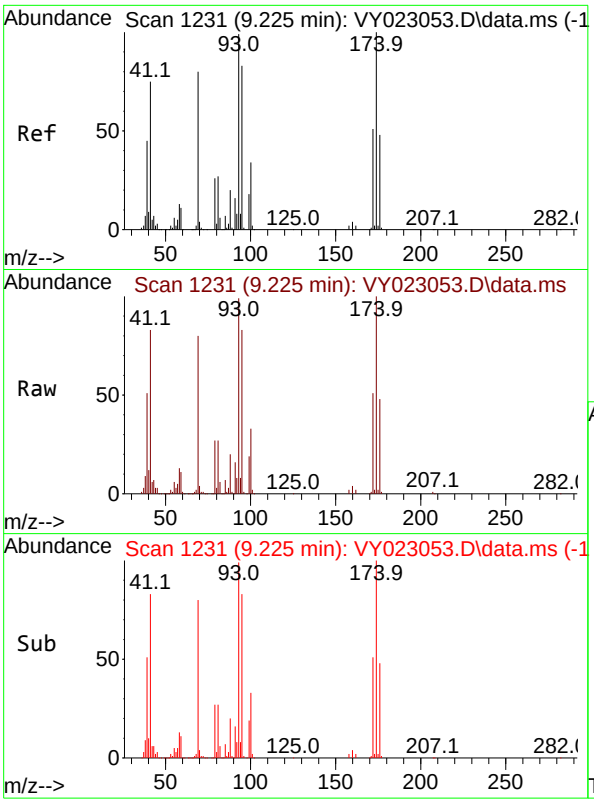


#48
Methyl methacrylate
Concen: 51.958 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 160792

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	58.7	47.0	70.4

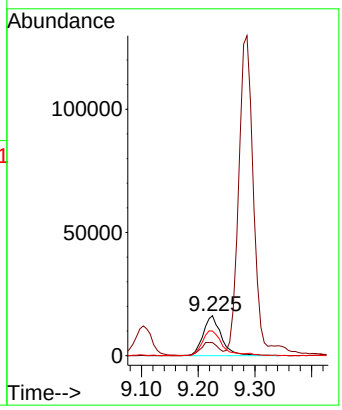




#49
1,4-Dioxane
Concen: 997.124 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 88 Resp: 3624

Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.3	36.5
58	69.2	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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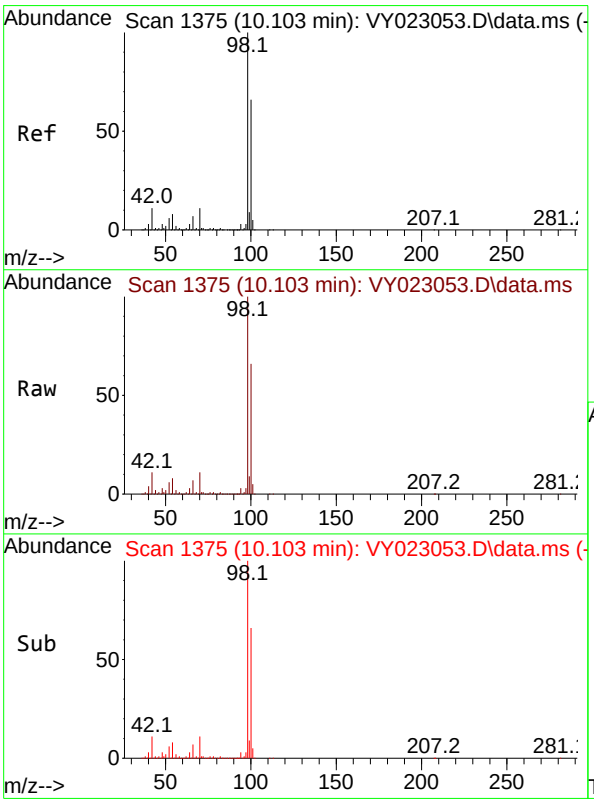
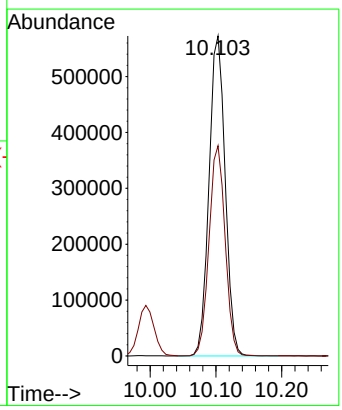
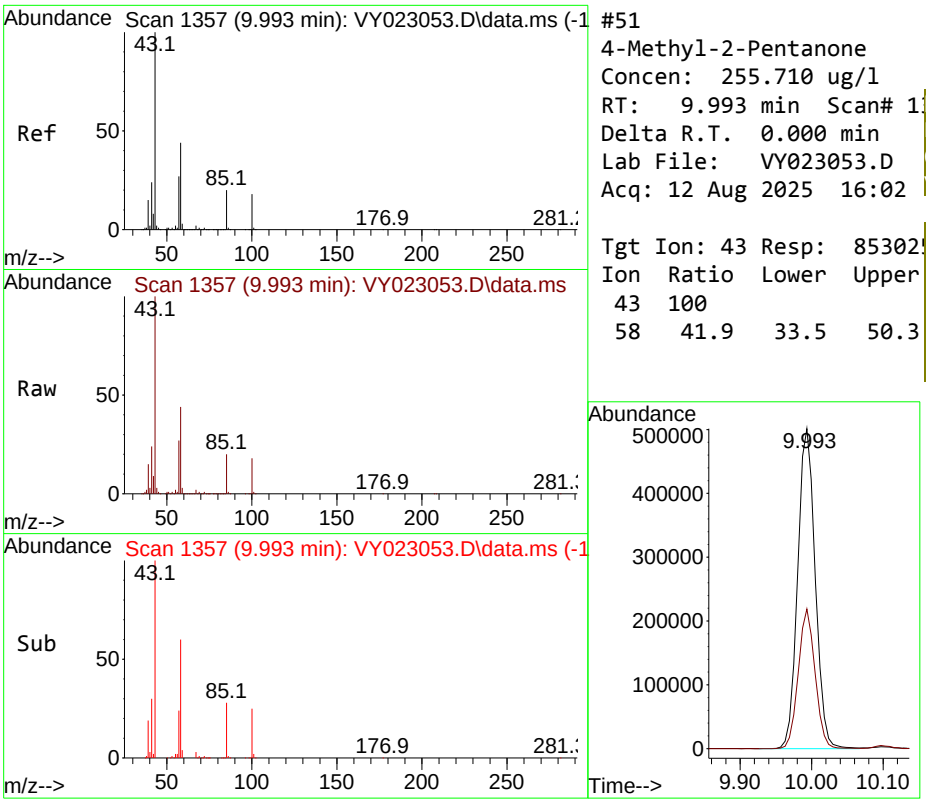


#50
Toluene-d8
Concen: 48.899 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 98 Resp: 979082

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 255.710 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 85302

Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.5	50.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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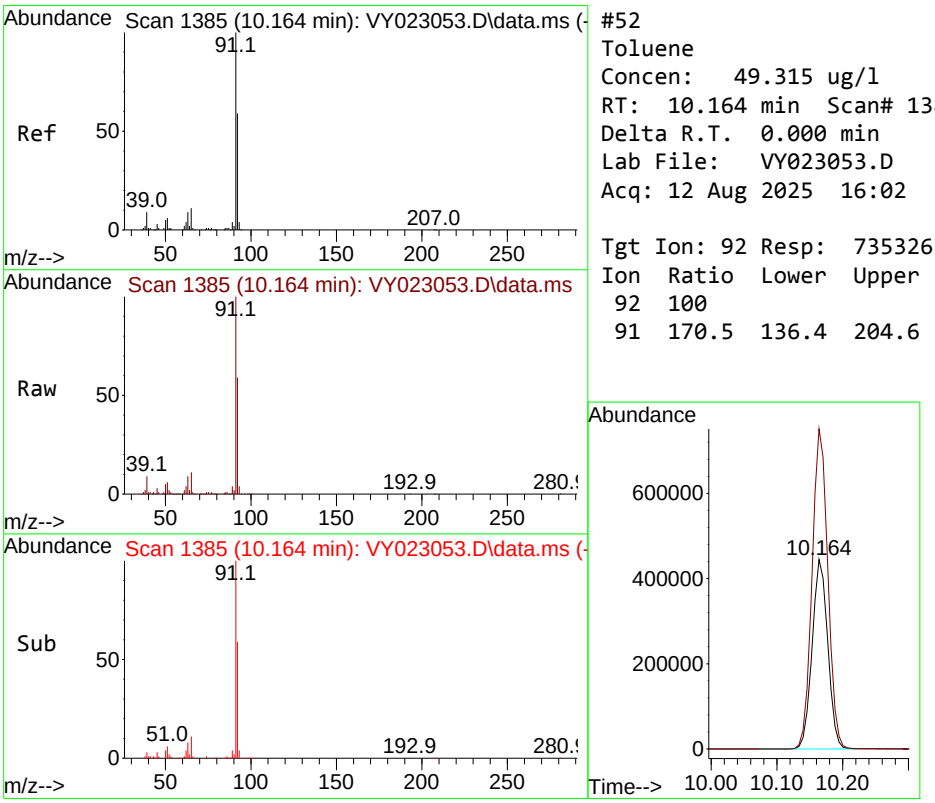
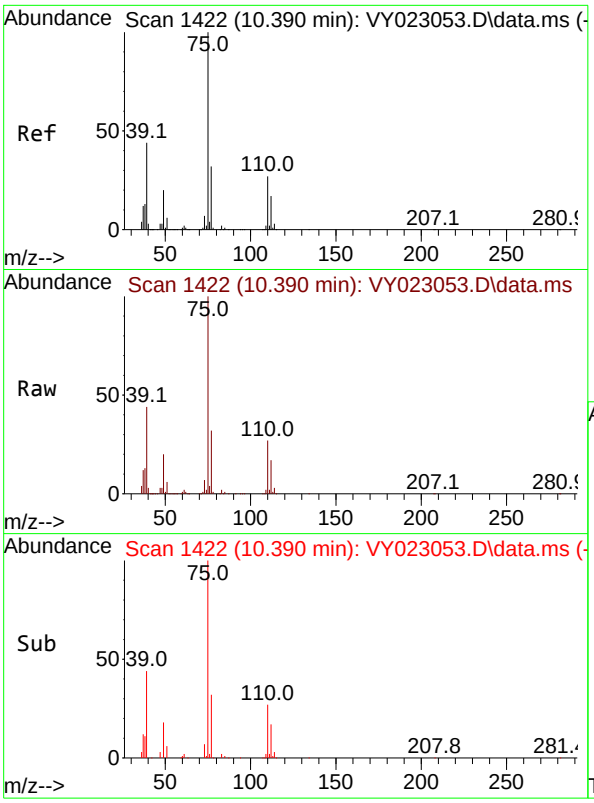


#52
Toluene
Concen: 49.315 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 92 Resp: 735326

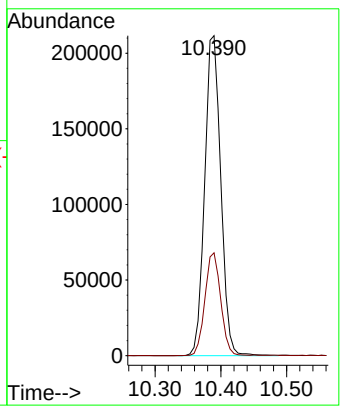
Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6



#53
t-1,3-Dichloropropene
Concen: 49.790 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 35969

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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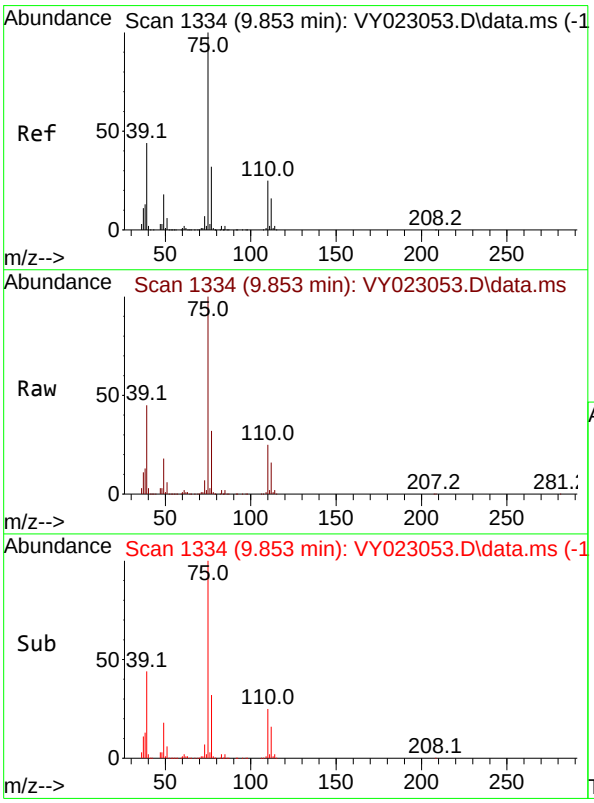
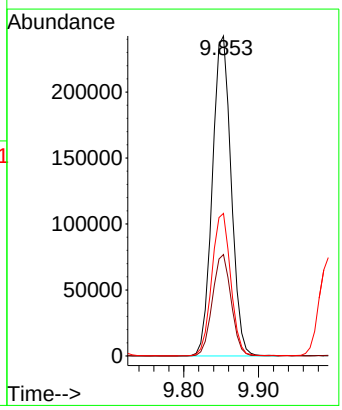
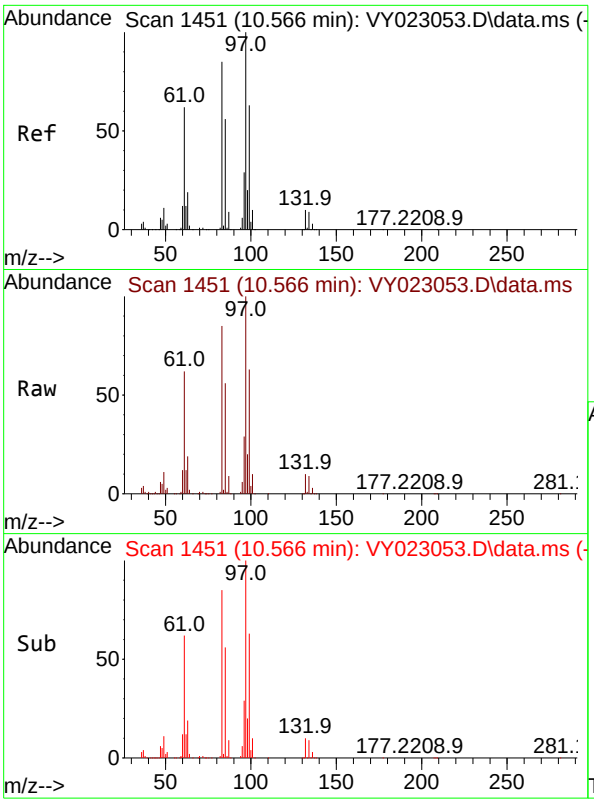


#54
cis-1,3-Dichloropropene
Concen: 49.731 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 424834

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	44.5	35.6	53.4

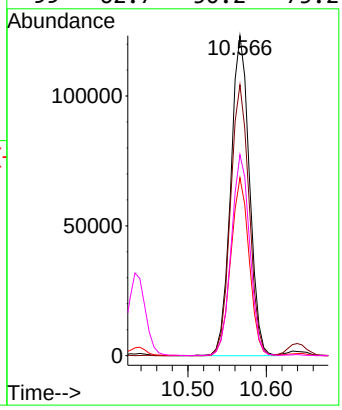




#55
1,1,2-Trichloroethane
Concen: 49.261 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 97 Resp: 20436

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	55.6	44.5	66.7
99	62.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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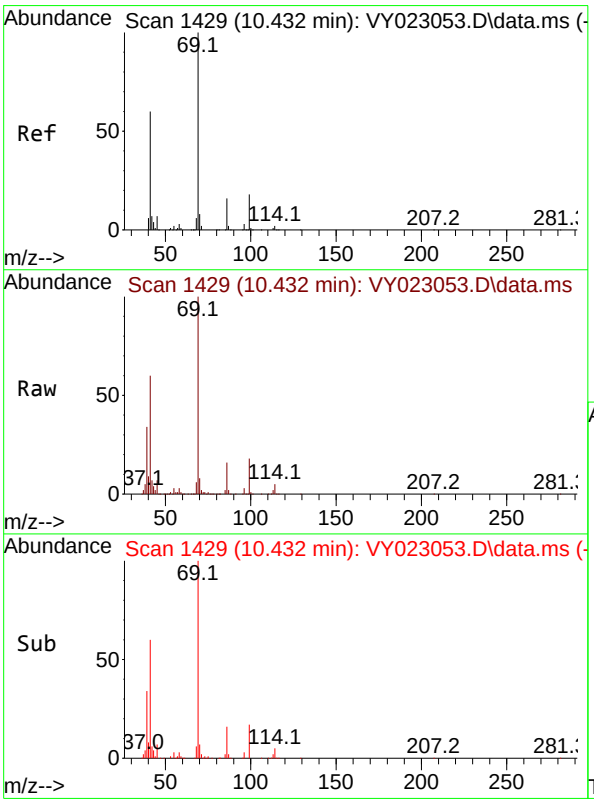
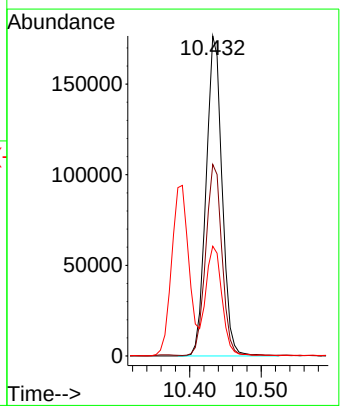
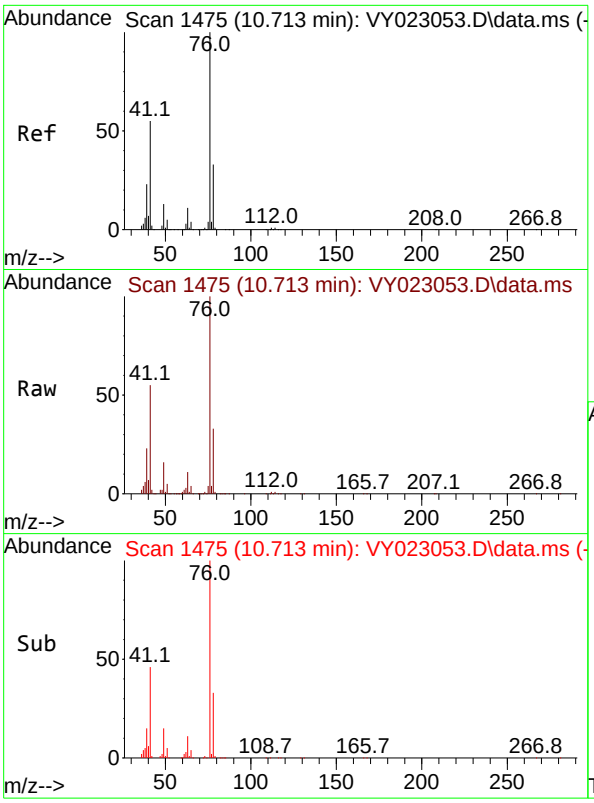


#56
Ethyl methacrylate
Concen: 51.576 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 69 Resp: 273801

Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.6	72.8
39	33.7	27.0	40.4

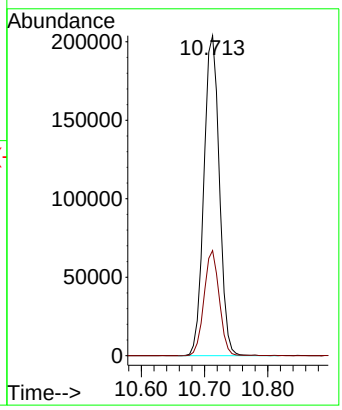




#57
1,3-Dichloropropane
Concen: 49.249 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 76 Resp: 34651

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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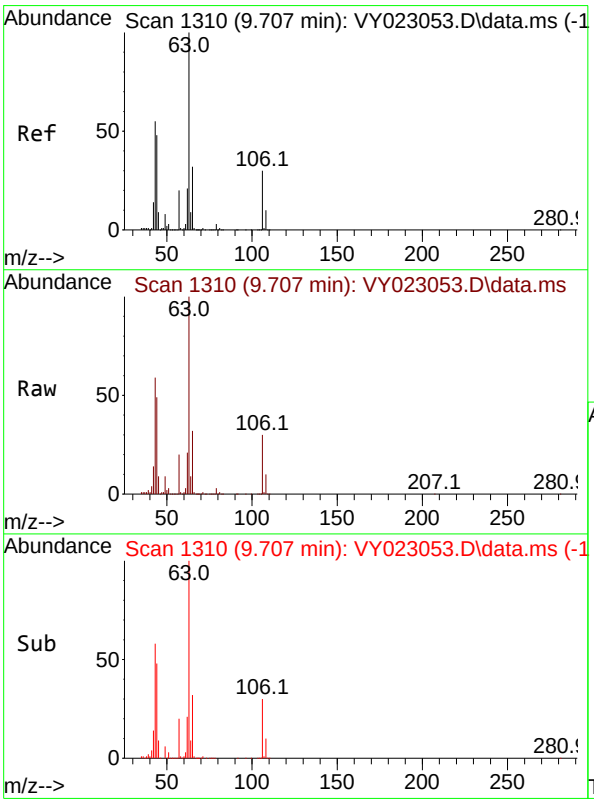
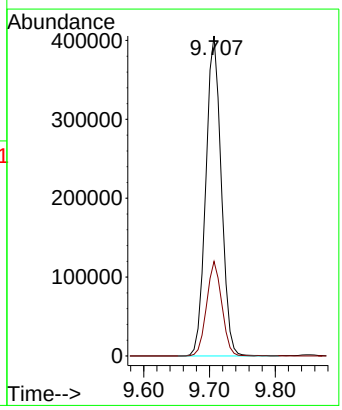
Supervised By :Semsettin Yesilyurt 08/14/2025

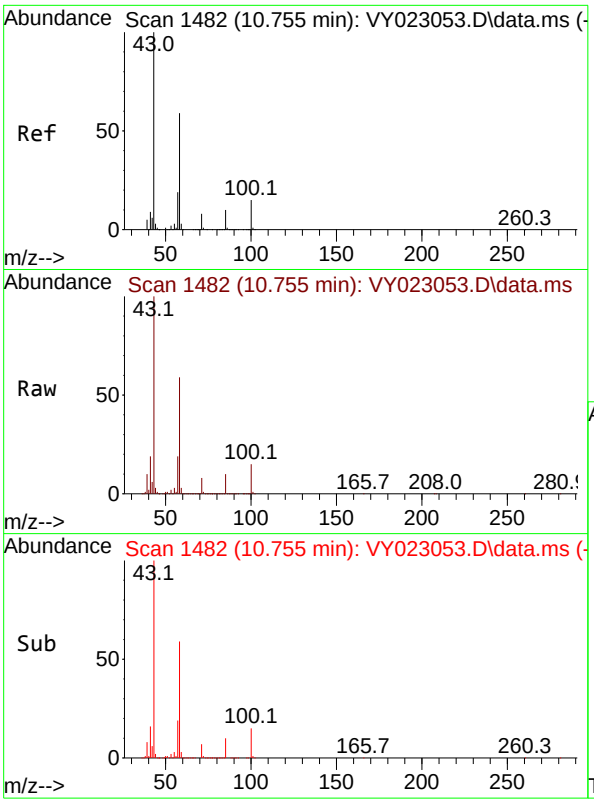


#58
2-Chloroethyl Vinyl ether
Concen: 264.906 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 663351

Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





#59
2-Hexanone
Concen: 257.194 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 58422

Ion	Ratio	Lower	Upper
43	100		
58	59.0	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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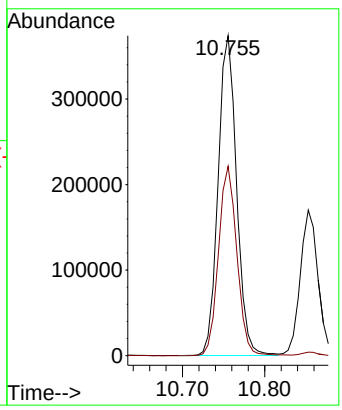
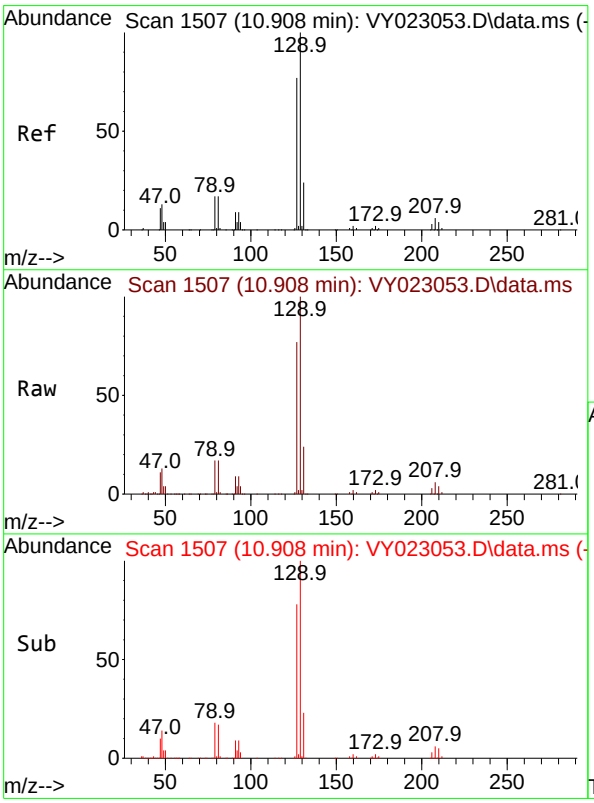
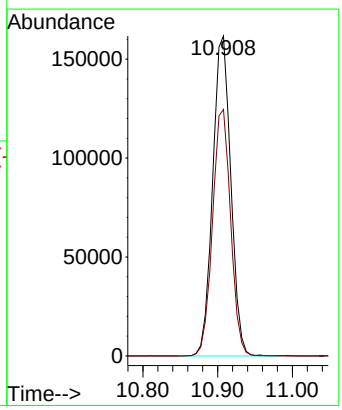


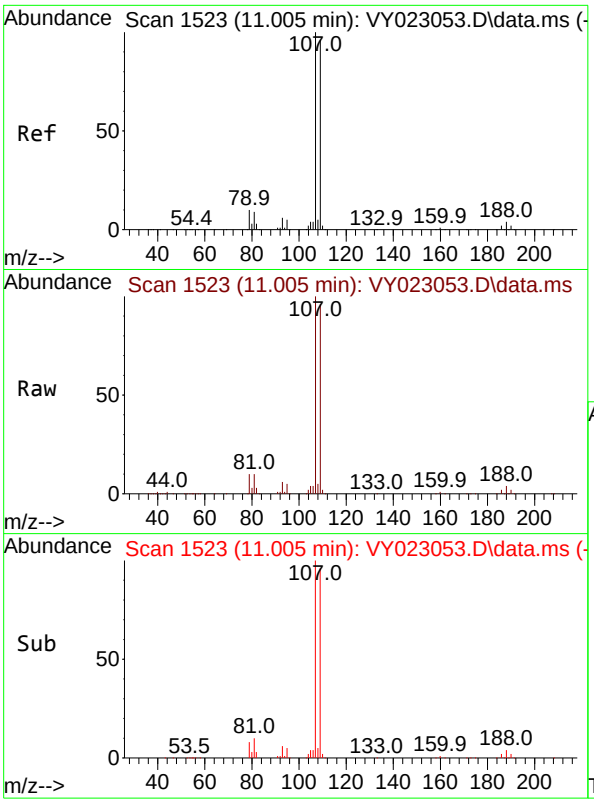


#60
Dibromochloromethane
Concen: 49.719 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:129 Resp: 272171

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 49.598 ug/l
RT: 11.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:107 Resp: 19339

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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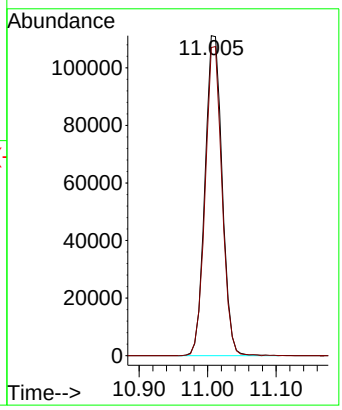
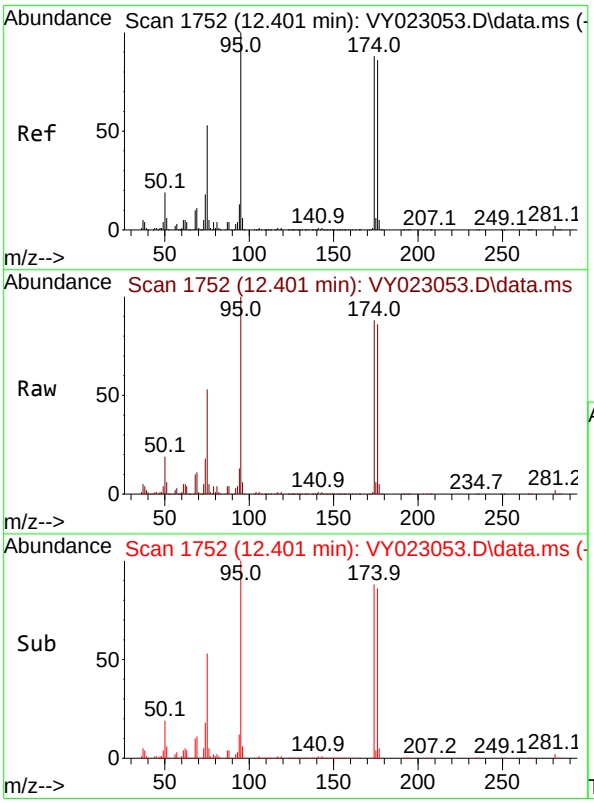
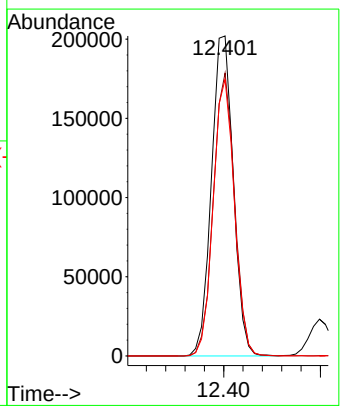


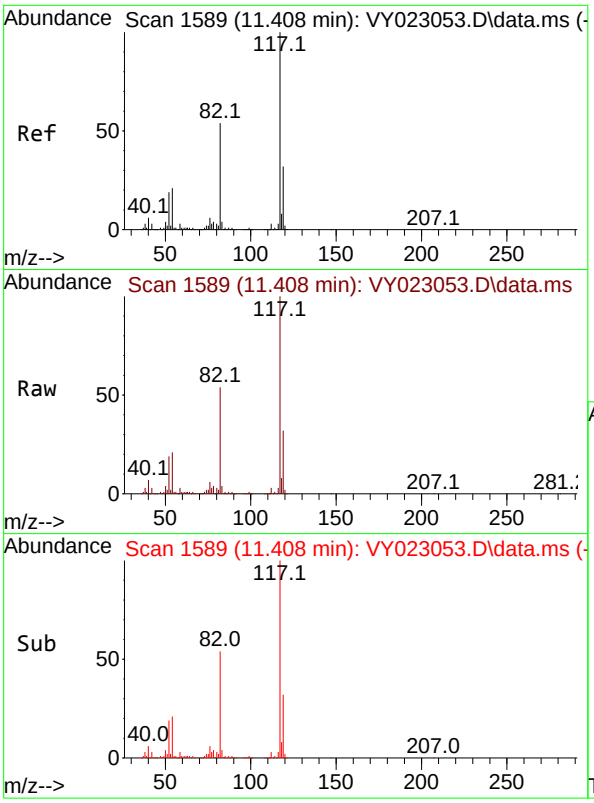


#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 95 Resp: 316770

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	171.6
176	83.8	0.0	167.6

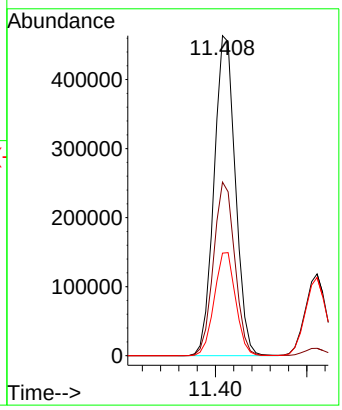




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:117 Resp: 75196

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	32.0	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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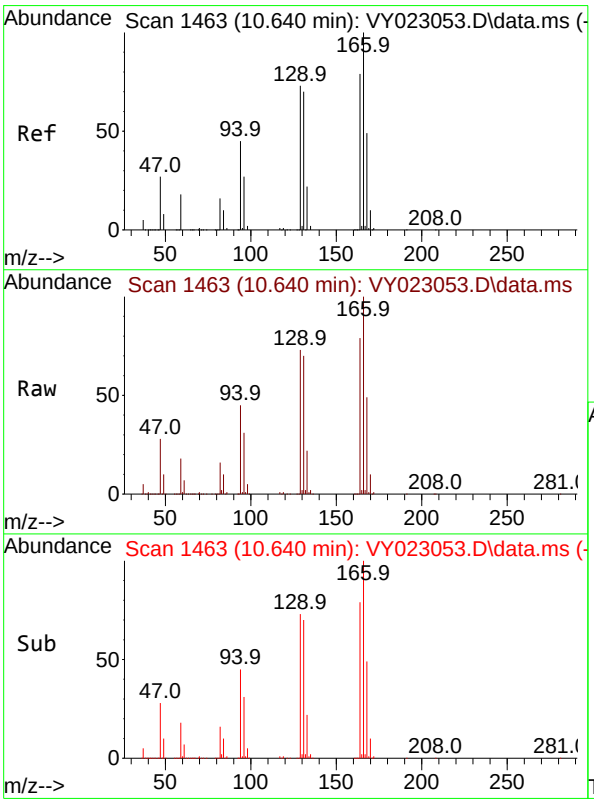
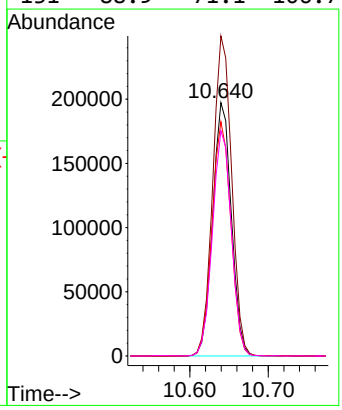
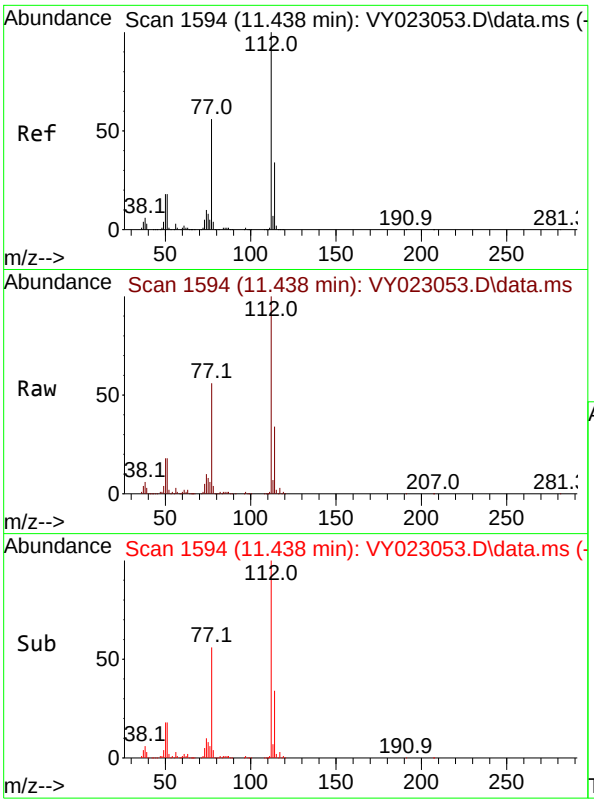


#64
Tetrachloroethene
Concen: 48.740 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:164 Resp: 327271

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.1	151.7
129	92.5	74.0	111.0
131	88.9	71.1	106.7

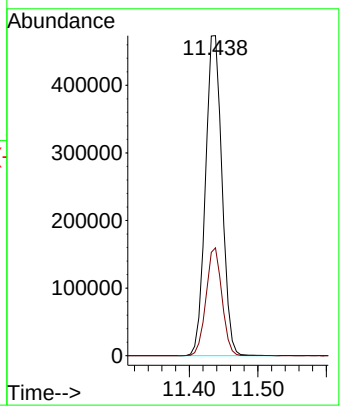




#65
Chlorobenzene
Concen: 48.920 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:112 Resp: 79349

Ion	Ratio	Lower	Upper
112	100		
114	33.7	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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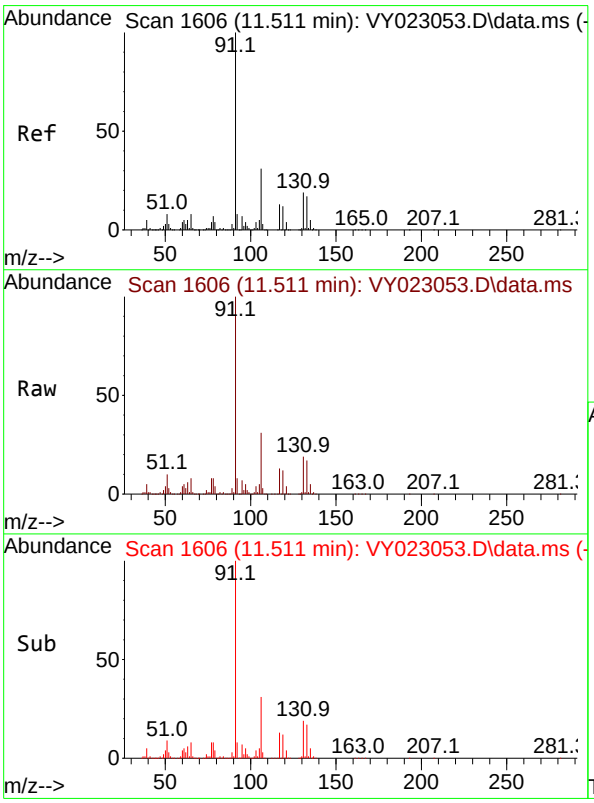
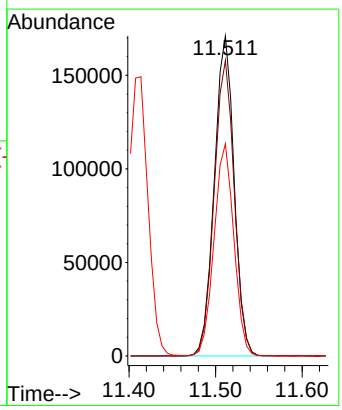
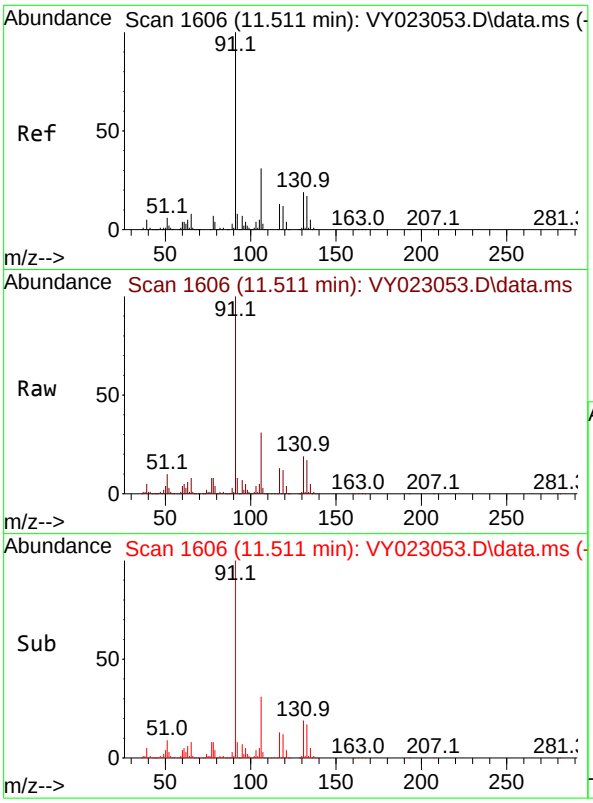


#66
1,1,1,2-Tetrachloroethane
Concen: 49.381 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:131 Resp: 271839

Ion	Ratio	Lower	Upper
131	100		
133	93.7	46.9	140.6
119	66.4	33.2	99.6

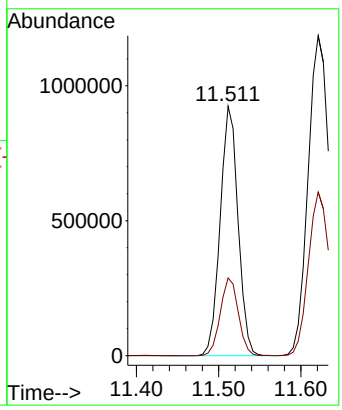




#67
Ethyl Benzene
Concen: 50.073 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 139770

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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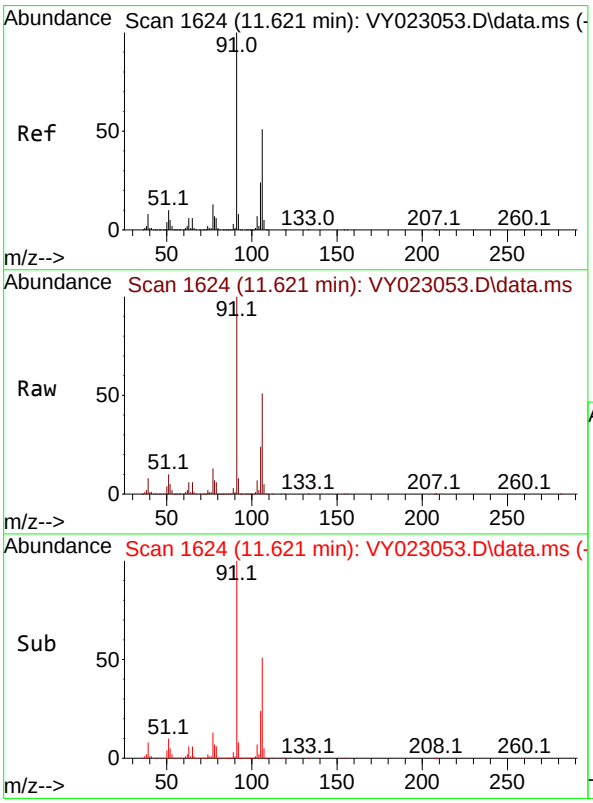
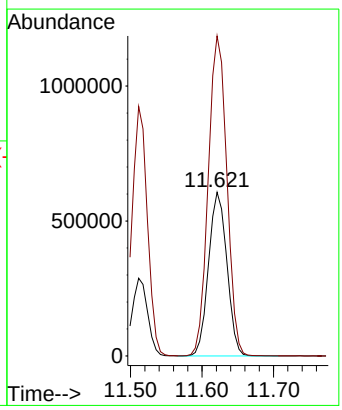
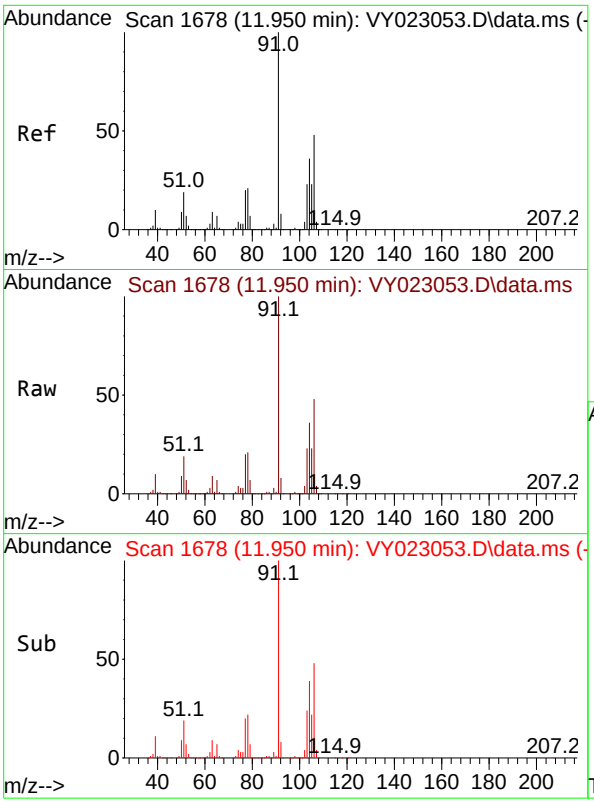


#68
m/p-Xylenes
Concen: 99.103 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:106 Resp: 1080401

Ion	Ratio	Lower	Upper
106	100		
91	198.3	158.6	238.0





#69
o-Xylene
Concen: 50.536 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:106 Resp: 51600

Ion	Ratio	Lower	Upper
106	100		
91	206.3	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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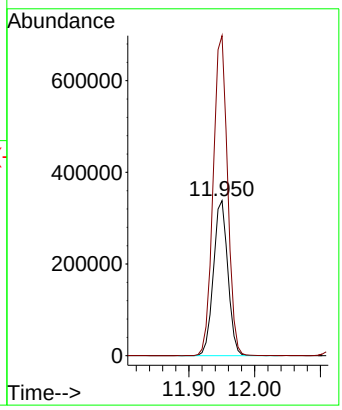
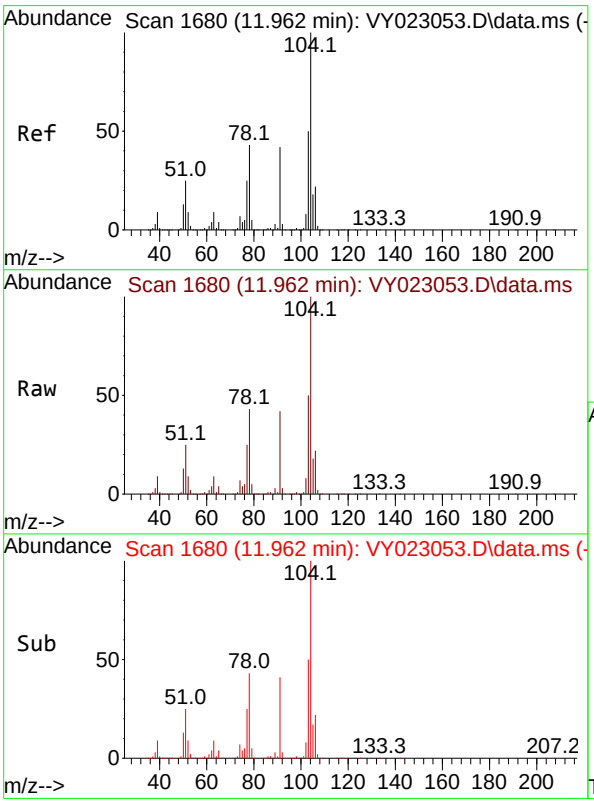
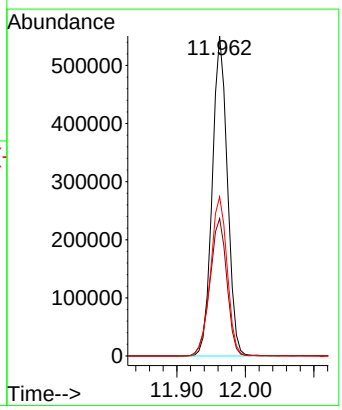


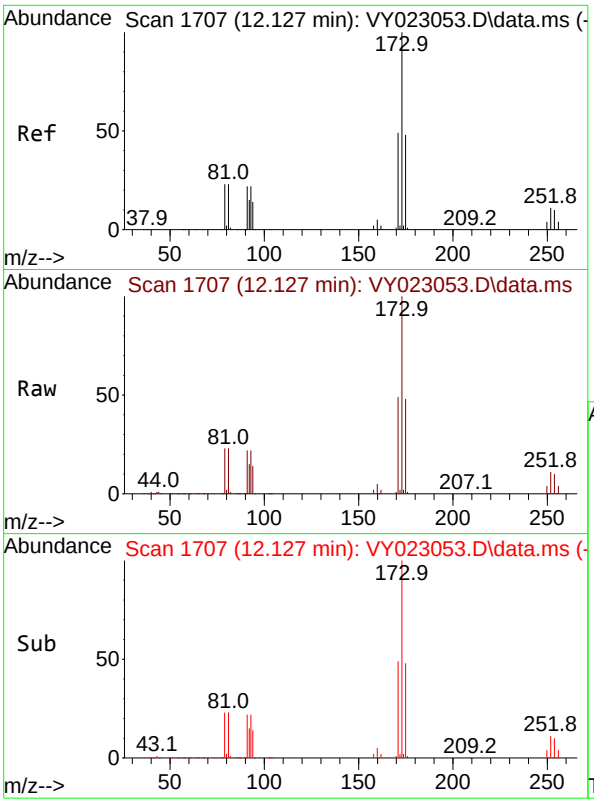


#70
Styrene
Concen: 50.569 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:104 Resp: 844409

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	54.6	43.7	65.5

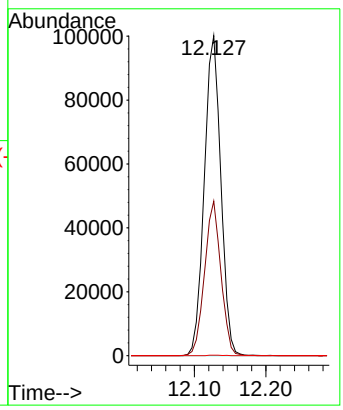




#71
Bromoform
Concen: 49.969 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:173 Resp: 16076

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
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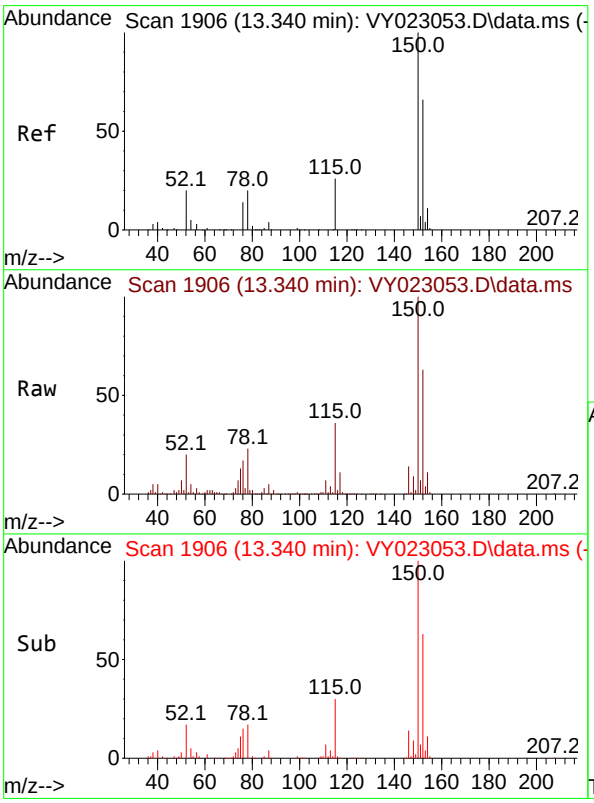
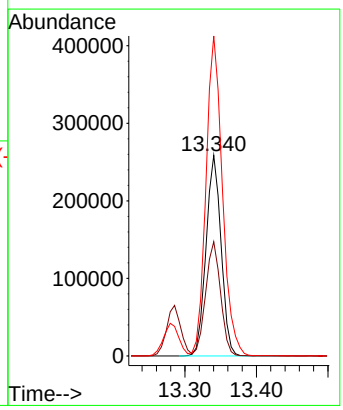
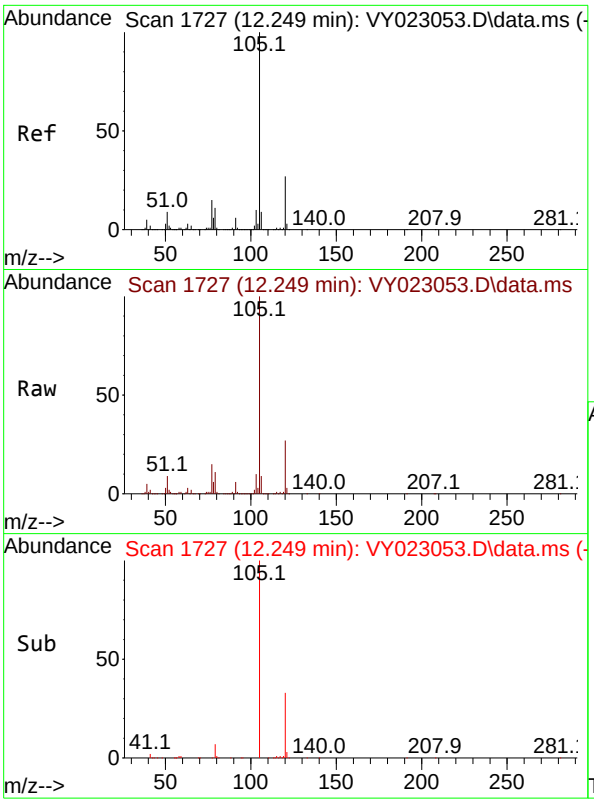


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:152 Resp: 377839

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	174.0	0.0	348.0

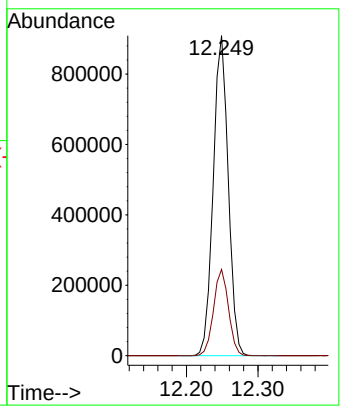




#73
Isopropylbenzene
Concen: 49.660 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 132431

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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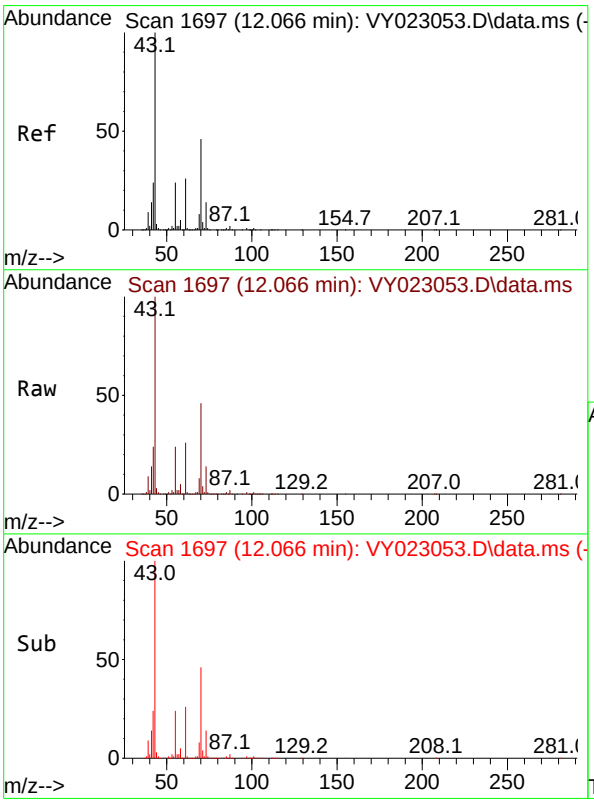
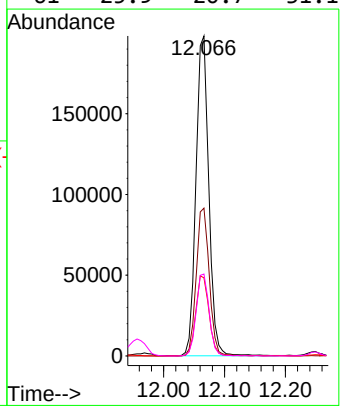
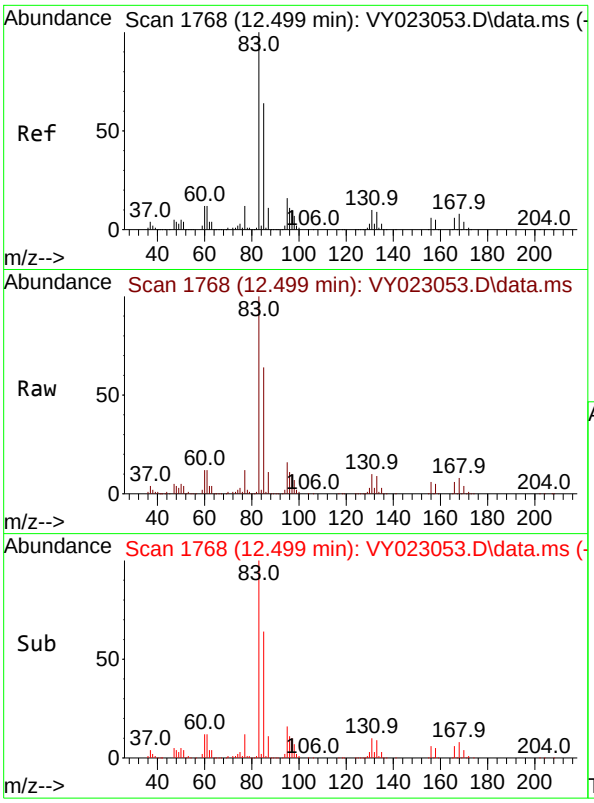


#74
N-amyl acetate
Concen: 51.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 289914

Ion	Ratio	Lower	Upper
43	100		
70	46.9	37.5	56.3
55	25.9	20.7	31.1
61	25.9	20.7	31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 48.503 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 83 Resp: 22085

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	63.5	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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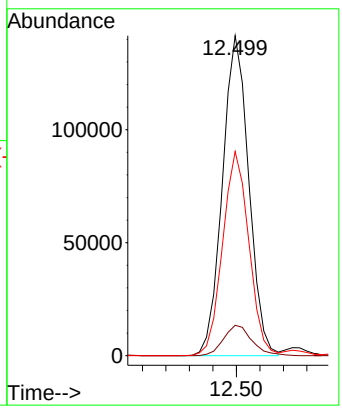
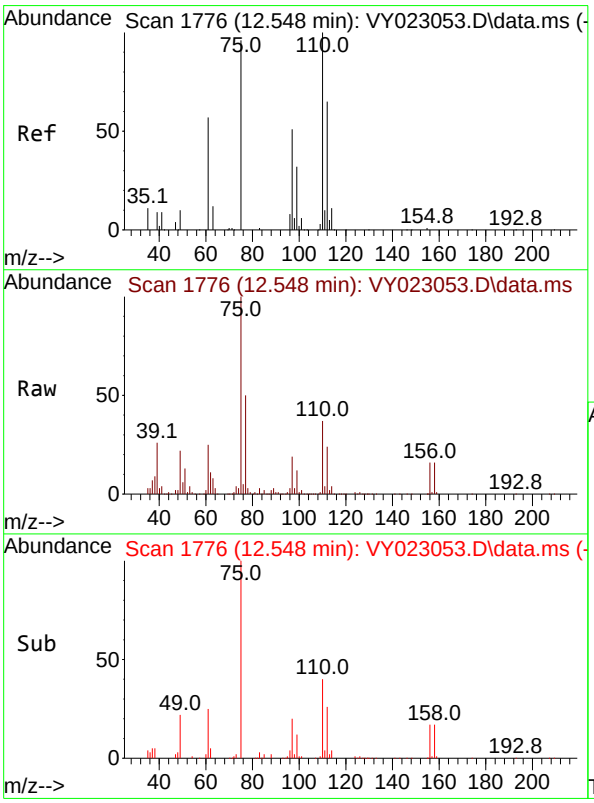
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

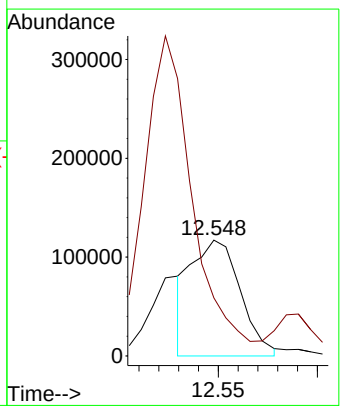


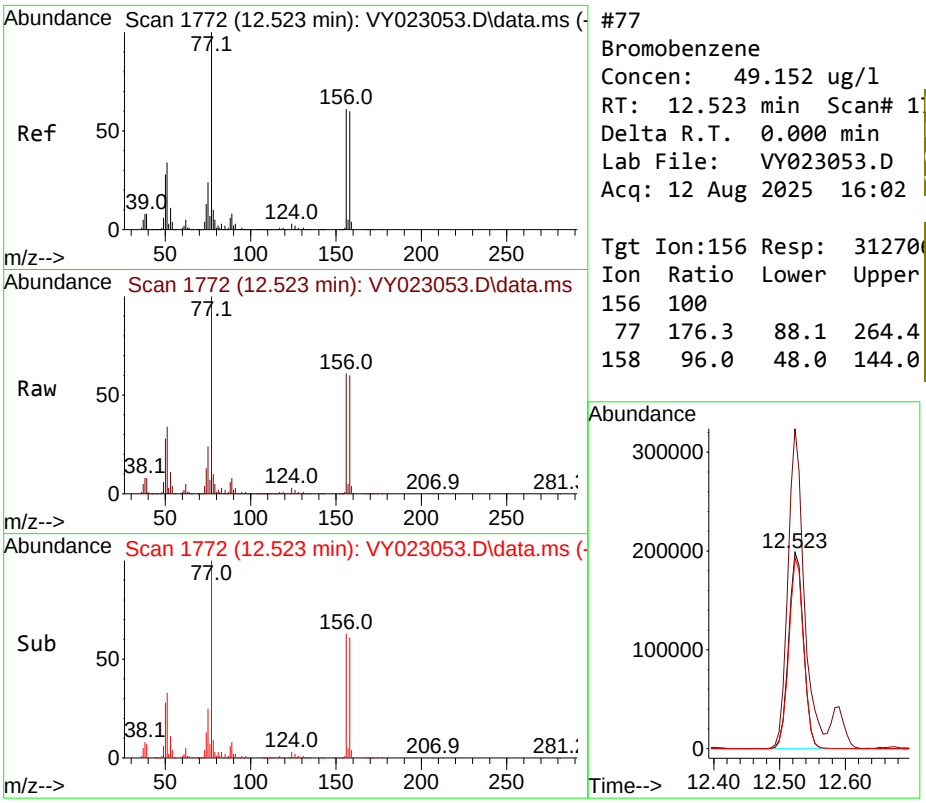


#76
1,2,3-Trichloropropane
Concen: 55.430 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 202260

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 49.152 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:156 Resp: 31270

Ion	Ratio	Lower	Upper
156	100		
77	176.3	88.1	264.4
158	96.0	48.0	144.0

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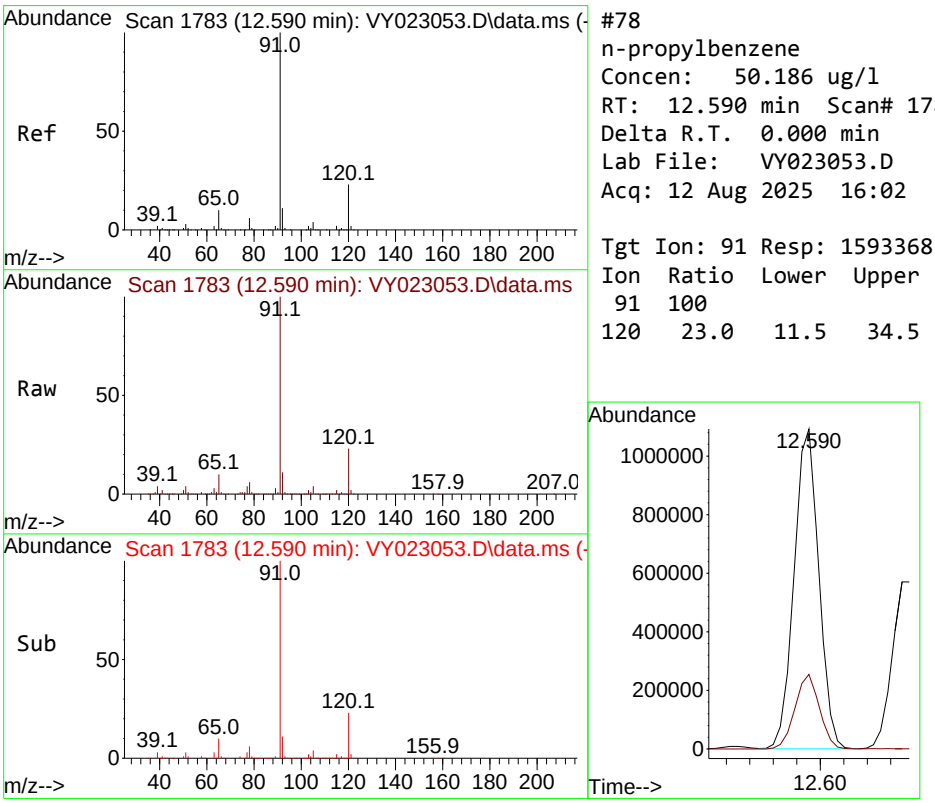
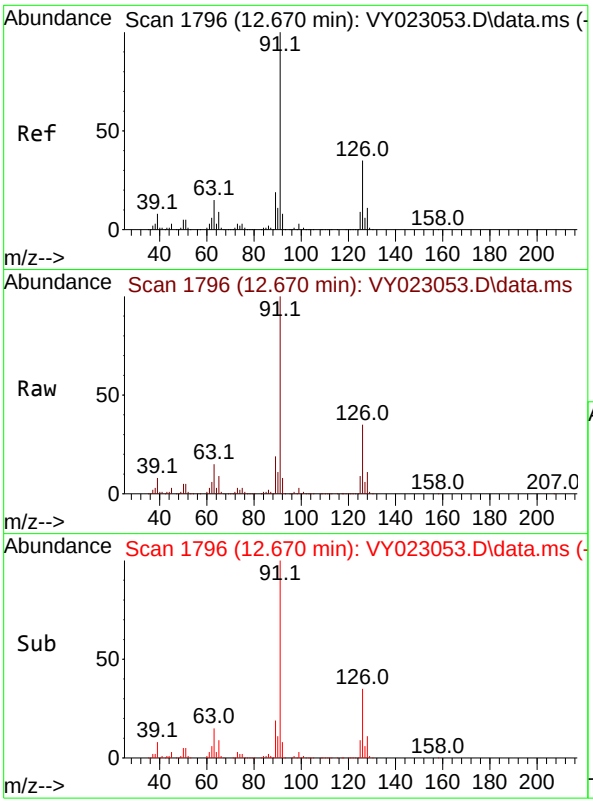


#78
n-propylbenzene
Concen: 50.186 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 1593368

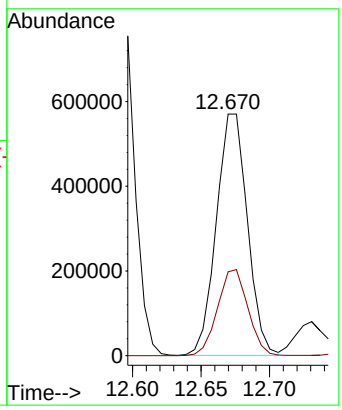
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5



#79
2-Chlorotoluene
Concen: 49.473 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 89996

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3



Instrument :
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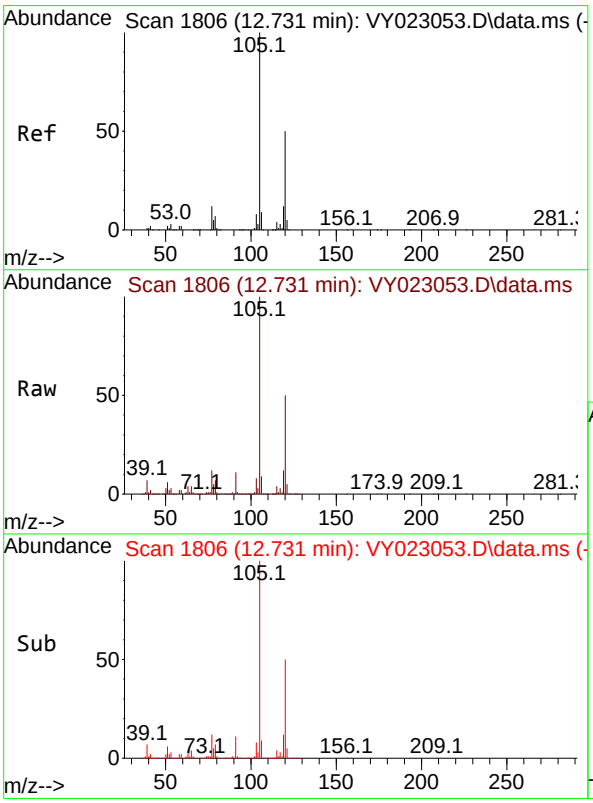
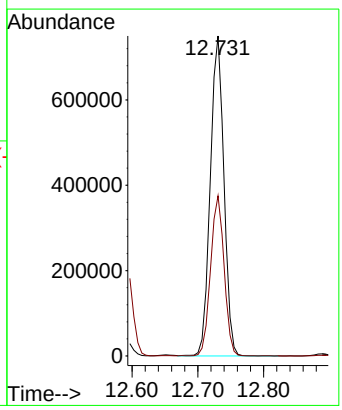
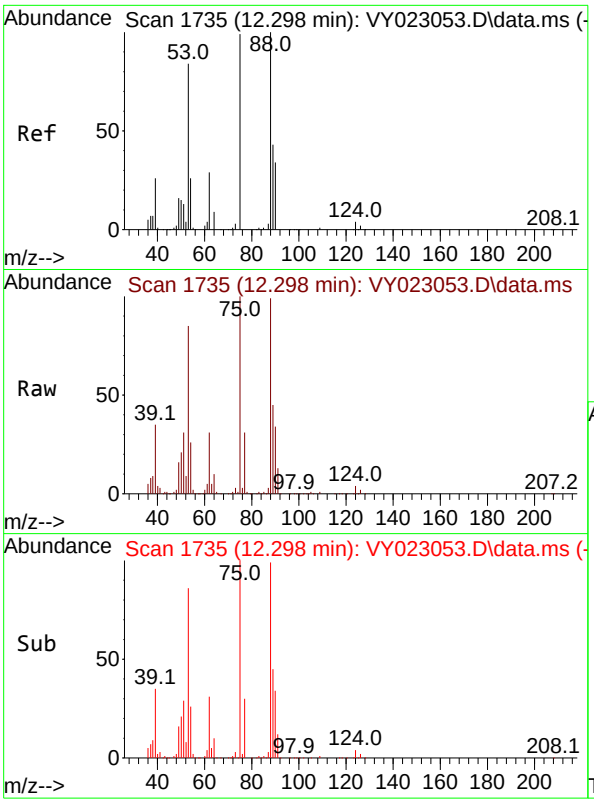


#80
1,3,5-Trimethylbenzene
Concen: 50.126 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 1080333

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.8	74.4

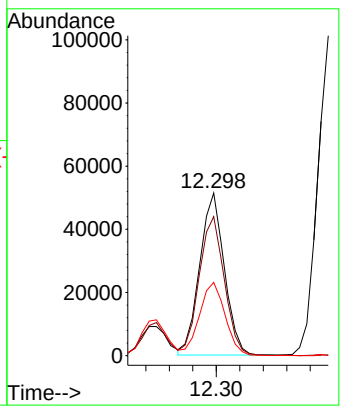




#81
trans-1,4-Dichloro-2-butene
Concen: 49.500 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 7456

Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.8	106.2
89	47.6	38.1	57.1



Instrument :
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ClientSampleId :
VSTDICCC050

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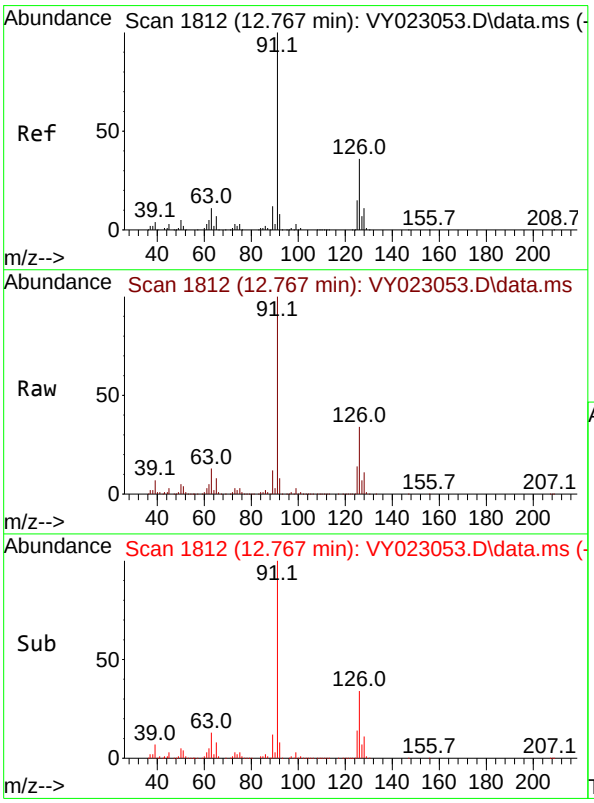
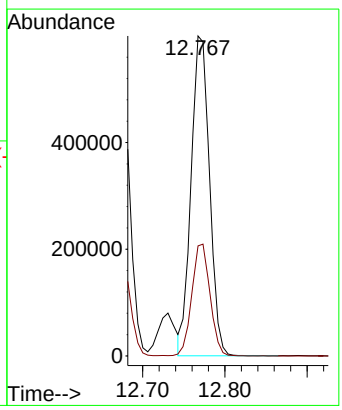
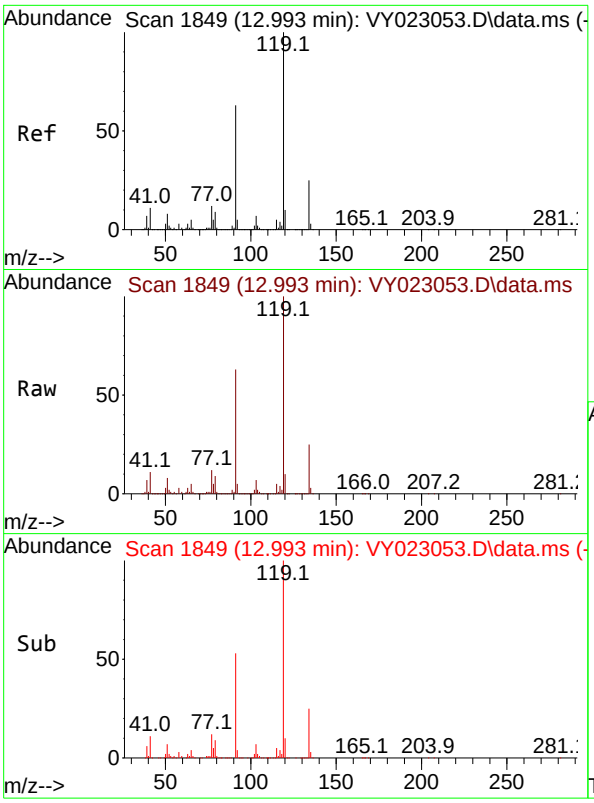


#82
4-Chlorotoluene
Concen: 49.299 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 930329

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0

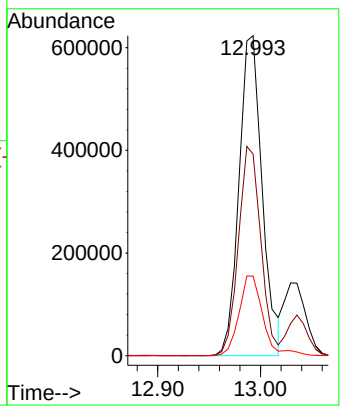




#83
tert-Butylbenzene
Concen: 50.244 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:119 Resp: 97803

Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.6	94.8
134	25.8	12.9	38.7



Instrument :
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ClientSampleId :
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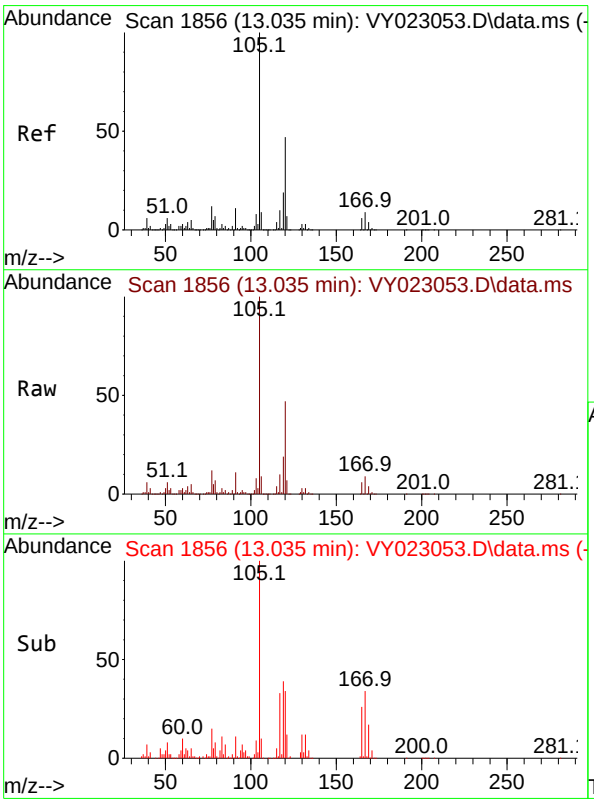
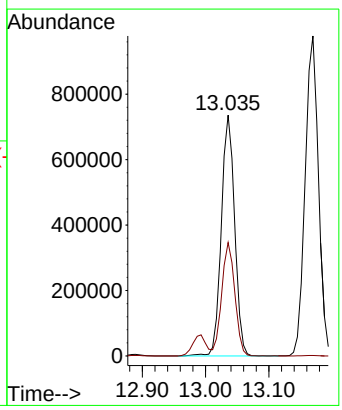
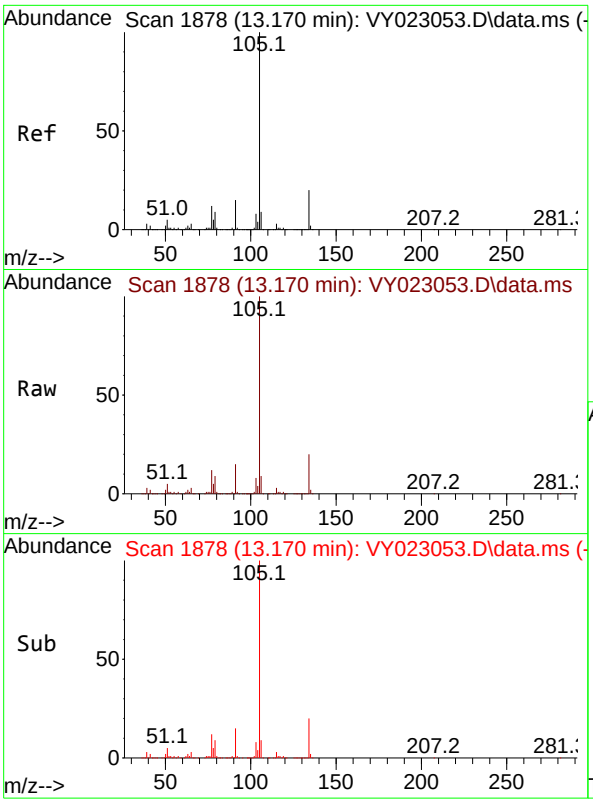


#84
1,2,4-Trimethylbenzene
Concen: 49.963 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 1071926

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0

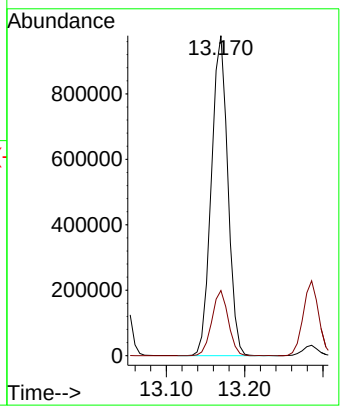




#85
sec-Butylbenzene
Concen: 49.854 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 142555

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4



Instrument :
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ClientSampleId :
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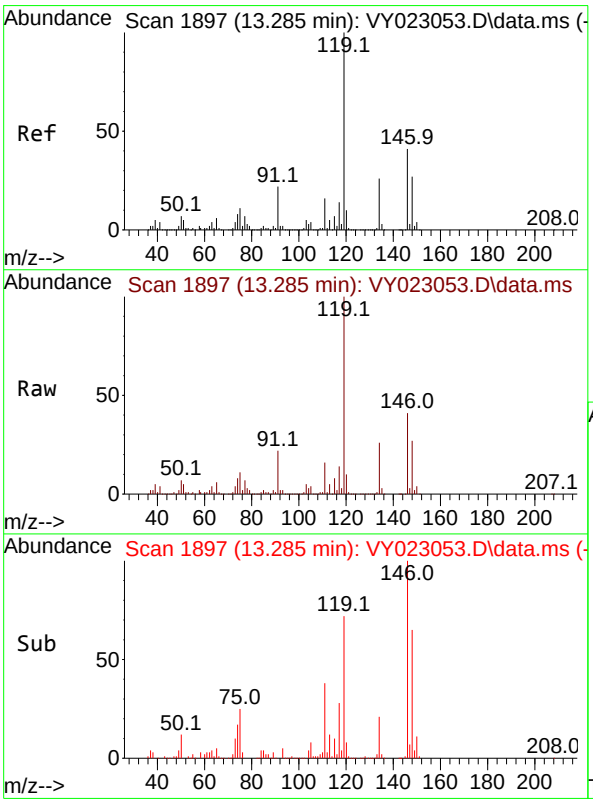
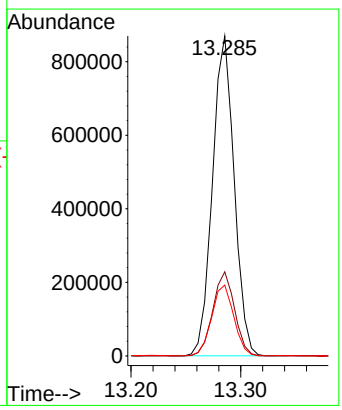
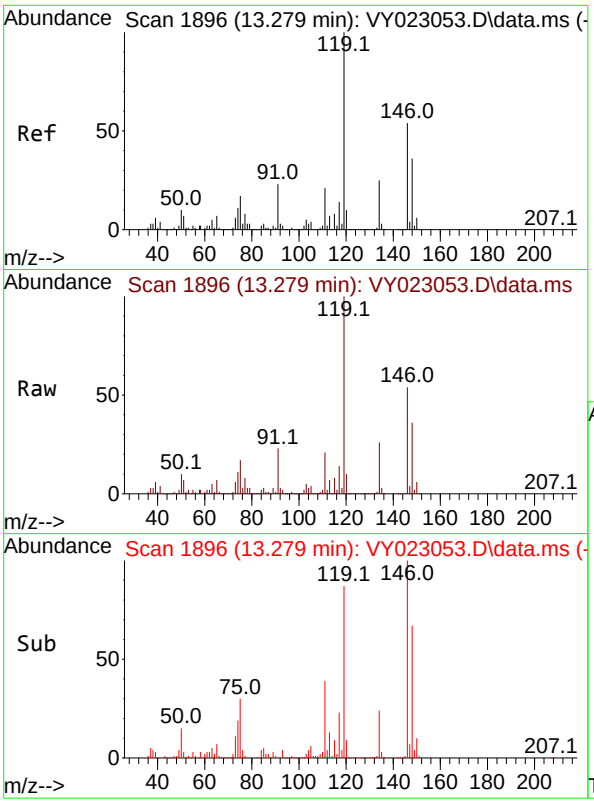


#86
p-Isopropyltoluene
Concen: 50.417 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:119 Resp: 1196645

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	22.5	11.3	33.8

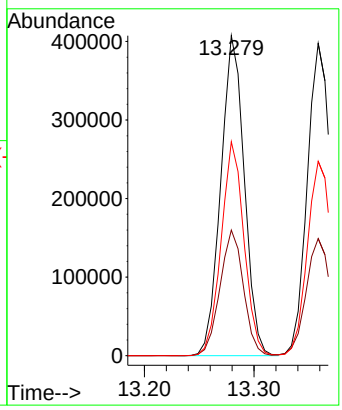




#87
1,3-Dichlorobenzene
Concen: 48.481 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:146 Resp: 60824

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	65.0	32.5	97.5



Instrument :
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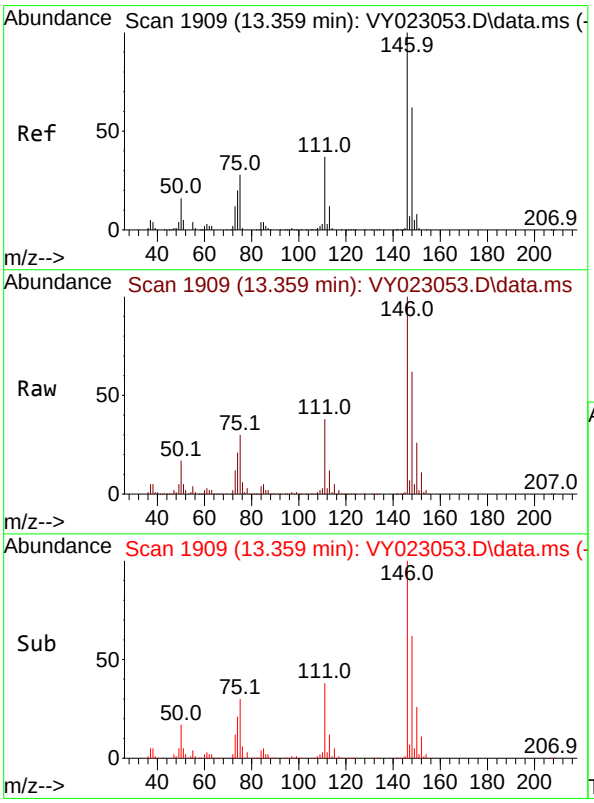
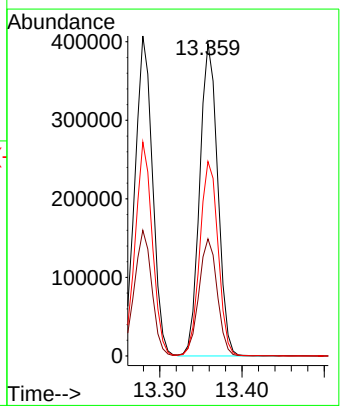
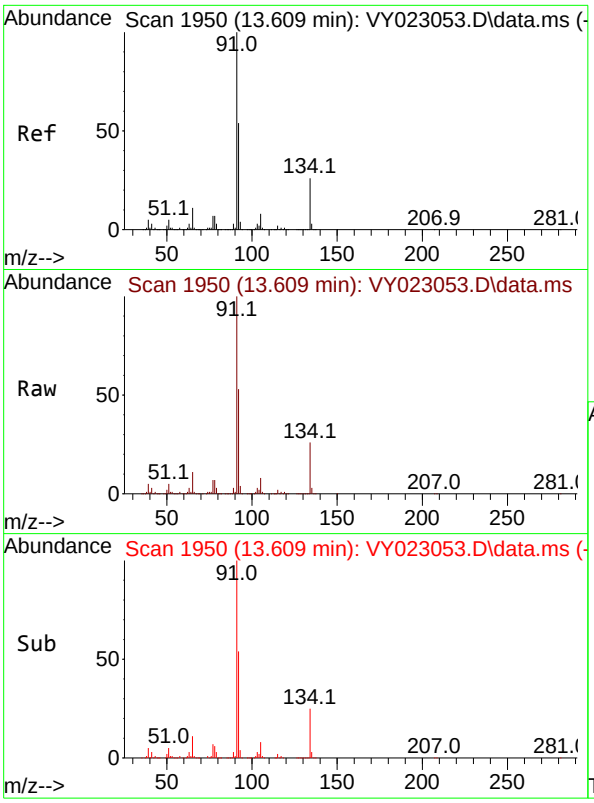


#88
1,4-Dichlorobenzene
Concen: 48.618 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:146 Resp: 605079

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.1	31.6	94.7

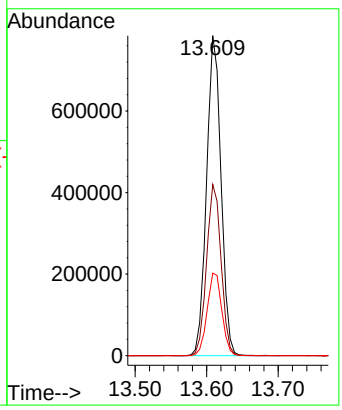




#89
n-Butylbenzene
Concen: 50.454 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 109986

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	26.3	13.2	39.5



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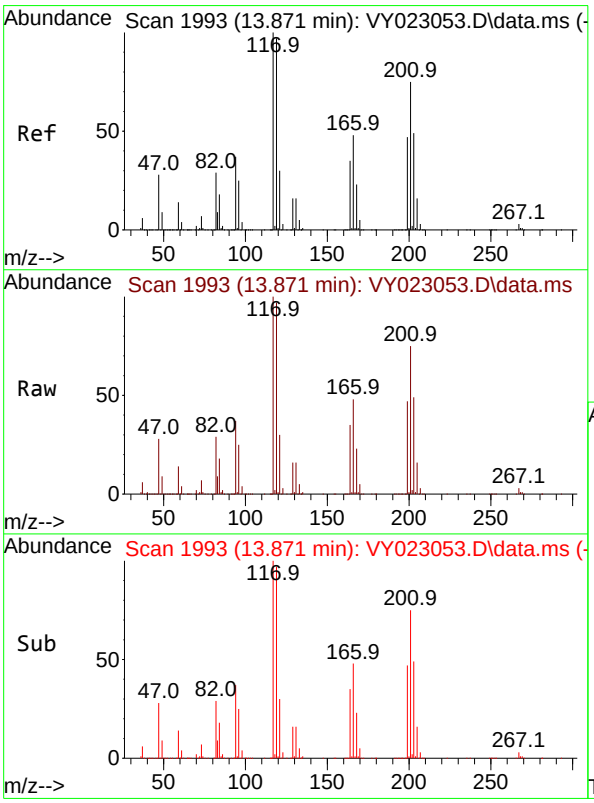
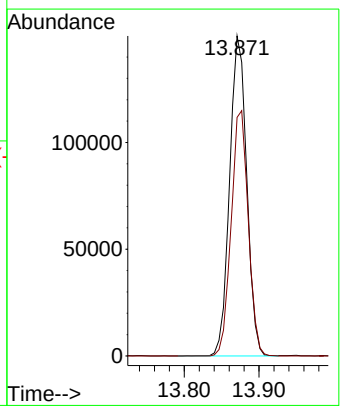
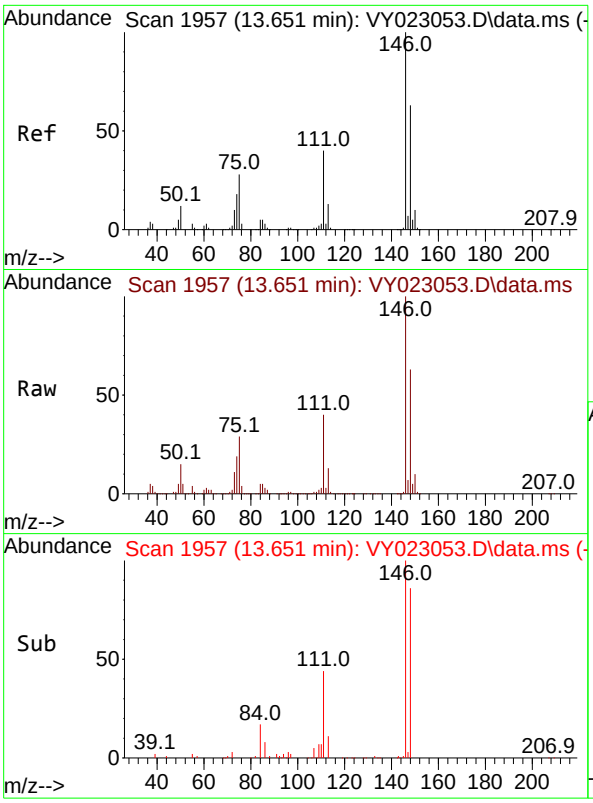


#90
Hexachloroethane
Concen: 48.984 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:117 Resp: 238005

Ion	Ratio	Lower	Upper
117	100		
201	76.7	38.4	115.1

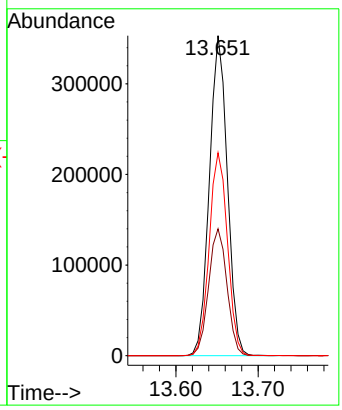




#91
1,2-Dichlorobenzene
Concen: 48.772 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:146 Resp: 53663

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.4	32.2	96.6



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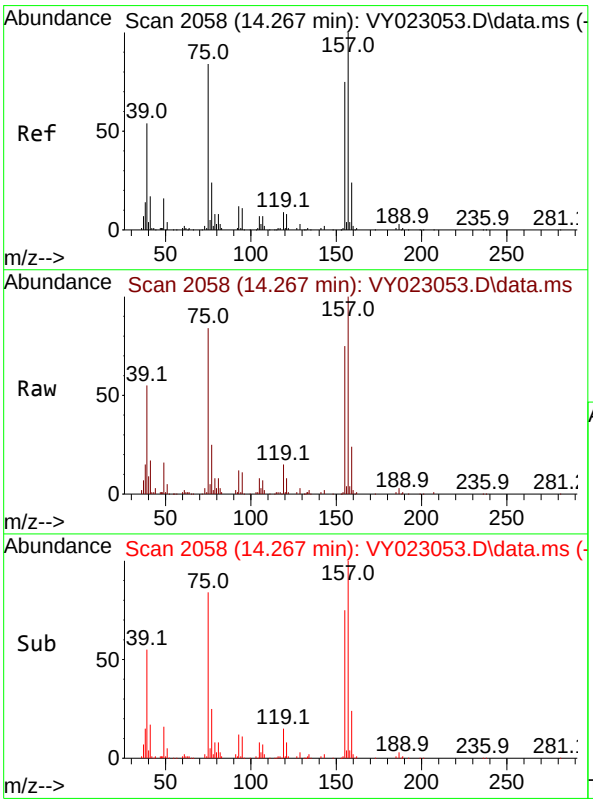
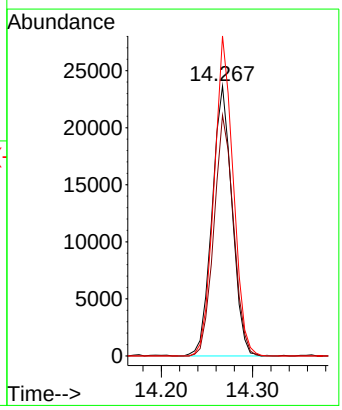
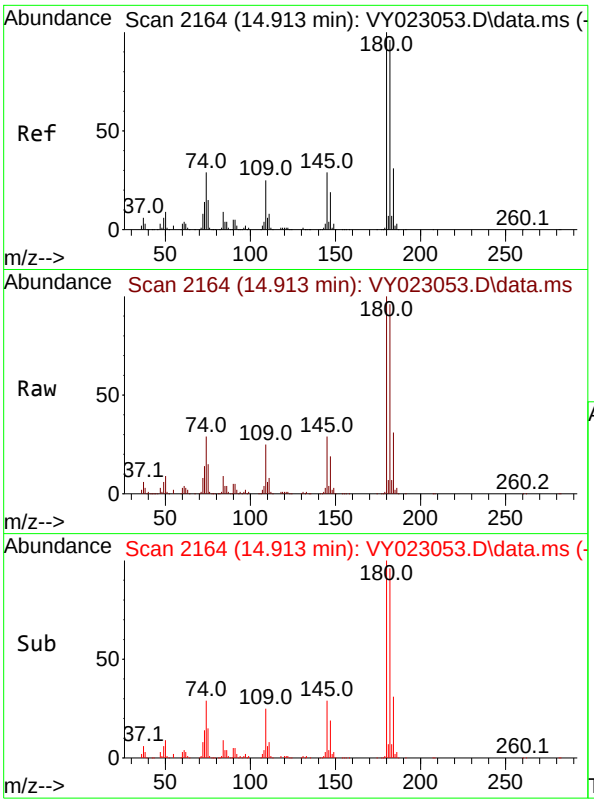


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.592 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 35867

Ion	Ratio	Lower	Upper
75	100		
155	87.7	43.9	131.6
157	114.4	57.2	171.6

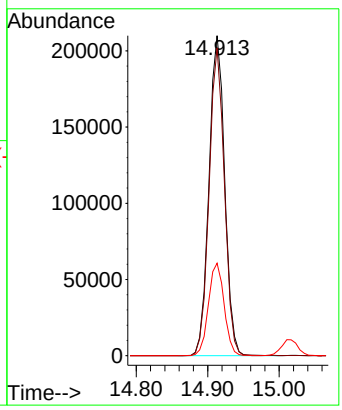




#93
1,2,4-Trichlorobenzene
Concen: 49.192 ug/l
RT: 14.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:180 Resp: 32008

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	28.9	14.4	43.4



Instrument :
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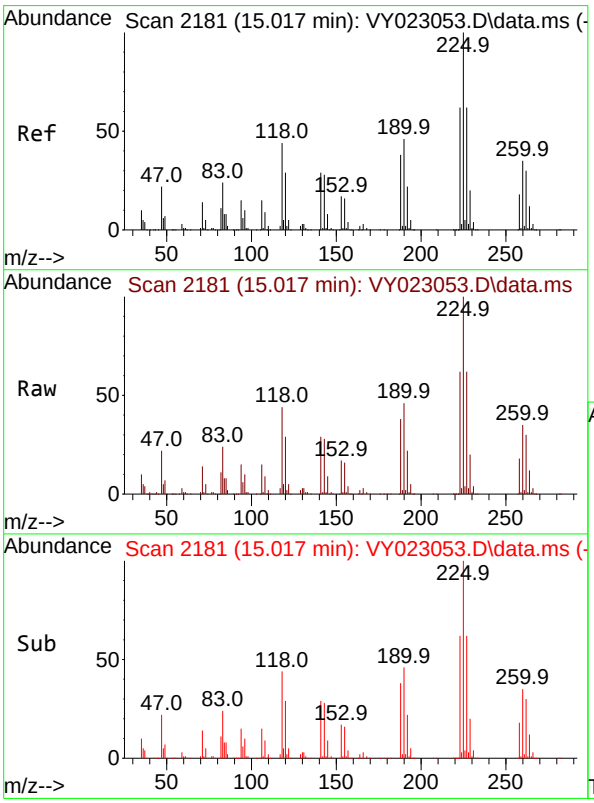
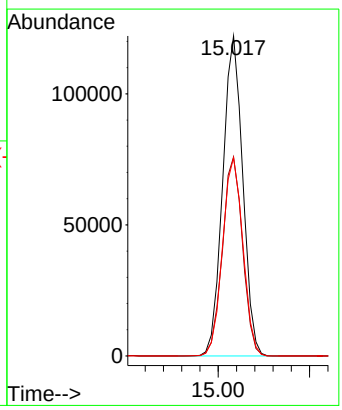
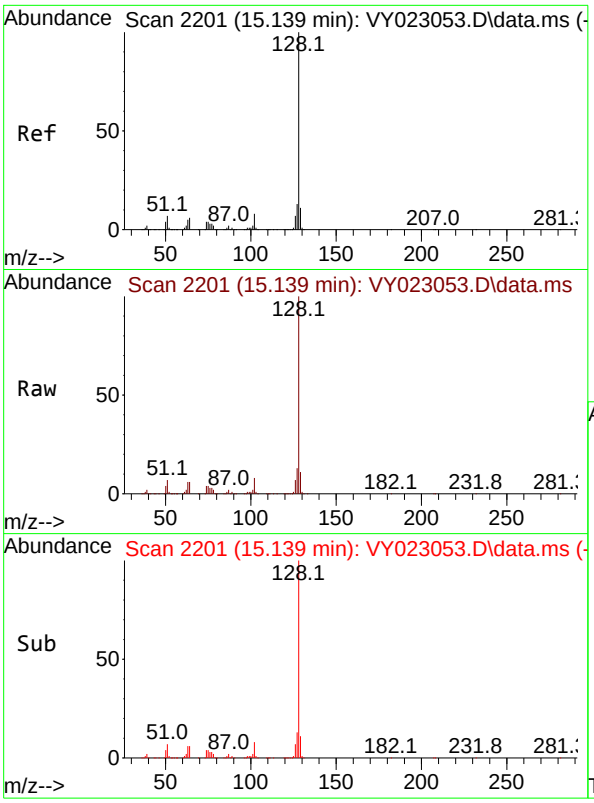


#94
Hexachlorobutadiene
Concen: 48.543 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:225 Resp: 185604

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	63.0	31.5	94.5

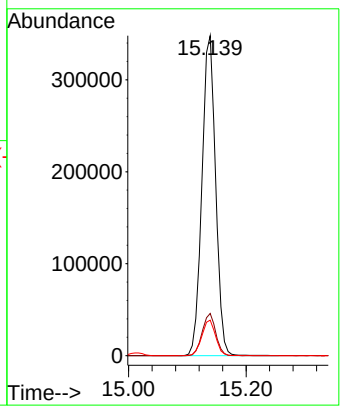




#95
Naphthalene
Concen: 50.685 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:128 Resp: 56236

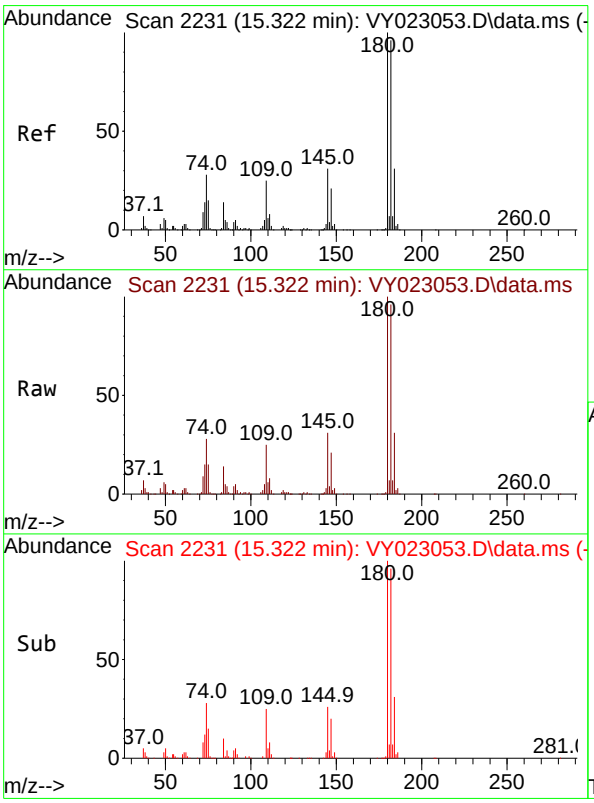
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

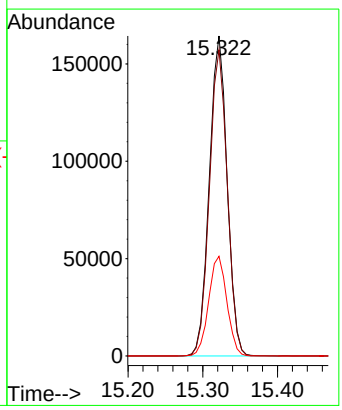
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.540 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:180 Resp: 272154

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.8	15.9	47.7



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	558266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	880463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	784385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	404136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	527356	99.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 198.220%#			
35) Dibromofluoromethane	7.628	113	540106	102.518	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 205.040%#			
50) Toluene-d8	10.103	98	2116445	102.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 205.660%#			
62) 4-Bromofluorobenzene	12.402	95	702583	106.147	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	376261	82.570	ug/l	98
3) Chloromethane	2.068	50	673475	91.248	ug/l	99
4) Vinyl Chloride	2.202	62	841648	92.250	ug/l	98
5) Bromomethane	2.586	94	643103	94.384	ug/l	100
6) Chloroethane	2.727	64	567515	93.563	ug/l	99
7) Trichlorofluoromethane	3.050	101	1005284	90.617	ug/l	99
8) Diethyl Ether	3.452	74	273400	93.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	497408	90.882	ug/l	99
10) Methyl Iodide	4.001	142	629775	106.635	ug/l	99
11) Tert butyl alcohol	4.866	59	162373	445.387	ug/l	99
12) 1,1-Dichloroethene	3.787	96	506919	94.229	ug/l	95
13) Acrolein	3.647	56	240580	450.599	ug/l	100
14) Allyl chloride	4.379	41	759925	96.000	ug/l	99
15) Acrylonitrile	5.049	53	555815	465.802	ug/l	99
16) Acetone	3.867	43	522178	453.007	ug/l	97
17) Carbon Disulfide	4.098	76	1622451	92.494	ug/l	100
18) Methyl Acetate	4.379	43	312127	90.993	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1342237	96.284	ug/l	100
20) Methylene Chloride	4.610	84	570465	97.847	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	580972	96.098	ug/l	99
22) Diisopropyl ether	6.019	45	1686285	98.033	ug/l	99
23) Vinyl Acetate	5.958	43	4632278	487.023	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1012815	96.306	ug/l	100
25) 2-Butanone	6.890	43	722555	460.899	ug/l	97
26) 2,2-Dichloropropane	6.878	77	866598	95.497	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	681242	97.472	ug/l	100
28) Bromochloromethane	7.244	49	409677	98.188	ug/l	100
29) Tetrahydrofuran	7.256	42	451254	464.370	ug/l	100
30) Chloroform	7.415	83	1045381	96.383	ug/l	96
31) Cyclohexane	7.695	56	884707	89.271	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	929858	96.620	ug/l	99
36) 1,1-Dichloropropene	7.829	75	755114	96.443	ug/l	99
37) Ethyl Acetate	6.982	43	313447	95.302	ug/l	99
38) Carbon Tetrachloride	7.811	117	819941	96.419	ug/l	98
39) Methylcyclohexane	9.103	83	1011944	98.146	ug/l	99
40) Benzene	8.073	78	2348617	97.324	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	180468	94.973	ug/l		98
42) 1,2-Dichloroethane	8.152	62	597215	95.155	ug/l		100
43) Isopropyl Acetate	8.195	43	636710	95.780	ug/l		99
44) Trichloroethene	8.860	130	602322	96.584	ug/l		97
45) 1,2-Dichloropropane	9.140	63	543589	97.899	ug/l		99
46) Dibromomethane	9.225	93	309302	97.052	ug/l		99
47) Bromodichloromethane	9.420	83	802532	97.864	ug/l		98
48) Methyl methacrylate	9.219	41	319906	100.567	ug/l		99
49) 1,4-Dioxane	9.225	88	71300	1908.039	ug/l		94
51) 4-Methyl-2-Pentanone	9.994	43	1669668	486.924	ug/l		100
52) Toluene	10.164	92	1537088	100.288	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	754278	101.574	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	880571	100.281	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	415556	97.446	ug/l		99
56) Ethyl methacrylate	10.432	69	569556	104.375	ug/l		100
57) 1,3-Dichloropropane	10.713	76	696130	96.253	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1389847	539.957	ug/l		99
59) 2-Hexanone	10.756	43	1151000	492.950	ug/l		100
60) Dibromochloromethane	10.902	129	557205	99.024	ug/l		99
61) 1,2-Dibromoethane	11.012	107	391650	97.713	ug/l		98
64) Tetrachloroethene	10.640	164	615871	87.931	ug/l		98
65) Chlorobenzene	11.438	112	1658154	98.004	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	573131	99.810	ug/l		99
67) Ethyl Benzene	11.512	91	2914020	100.082	ug/l		98
68) m/p-Xylenes	11.621	106	2312597	203.363	ug/l		98
69) o-Xylene	11.950	106	1100998	103.373	ug/l		99
70) Styrene	11.963	104	1845480	105.953	ug/l		99
71) Bromoform	12.127	173	334886	99.786	ug/l	#	99
73) Isopropylbenzene	12.249	105	2839999	99.567	ug/l		99
74) N-amyl acetate	12.066	43	610668	100.955	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	469810	96.464	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	330554m	84.695	ug/l		
77) Bromobenzene	12.524	156	671329	98.655	ug/l		98
78) n-propylbenzene	12.591	91	3360679	98.963	ug/l		99
79) 2-Chlorotoluene	12.670	91	1931460	99.268	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2321527	100.707	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	153260	95.118	ug/l		100
82) 4-Chlorotoluene	12.767	91	1988544	98.519	ug/l		100
83) tert-Butylbenzene	12.993	119	2125785	102.102	ug/l		98
84) 1,2,4-Trimethylbenzene	13.036	105	2339432	101.946	ug/l		100
85) sec-Butylbenzene	13.170	105	3056373	99.932	ug/l		100
86) p-Isopropyltoluene	13.286	119	2610936	102.846	ug/l		100
87) 1,3-Dichlorobenzene	13.280	146	1338547	99.748	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1290840	96.970	ug/l		99
89) n-Butylbenzene	13.609	91	2370706	101.675	ug/l		100
90) Hexachloroethane	13.871	117	510900	98.308	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	1162152	98.749	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	69736	91.965	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	692201	99.460	ug/l		98
94) Hexachlorobutadiene	15.017	225	387707	94.803	ug/l		99
95) Naphthalene	15.133	128	1212227	102.147	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	587990	98.046	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

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

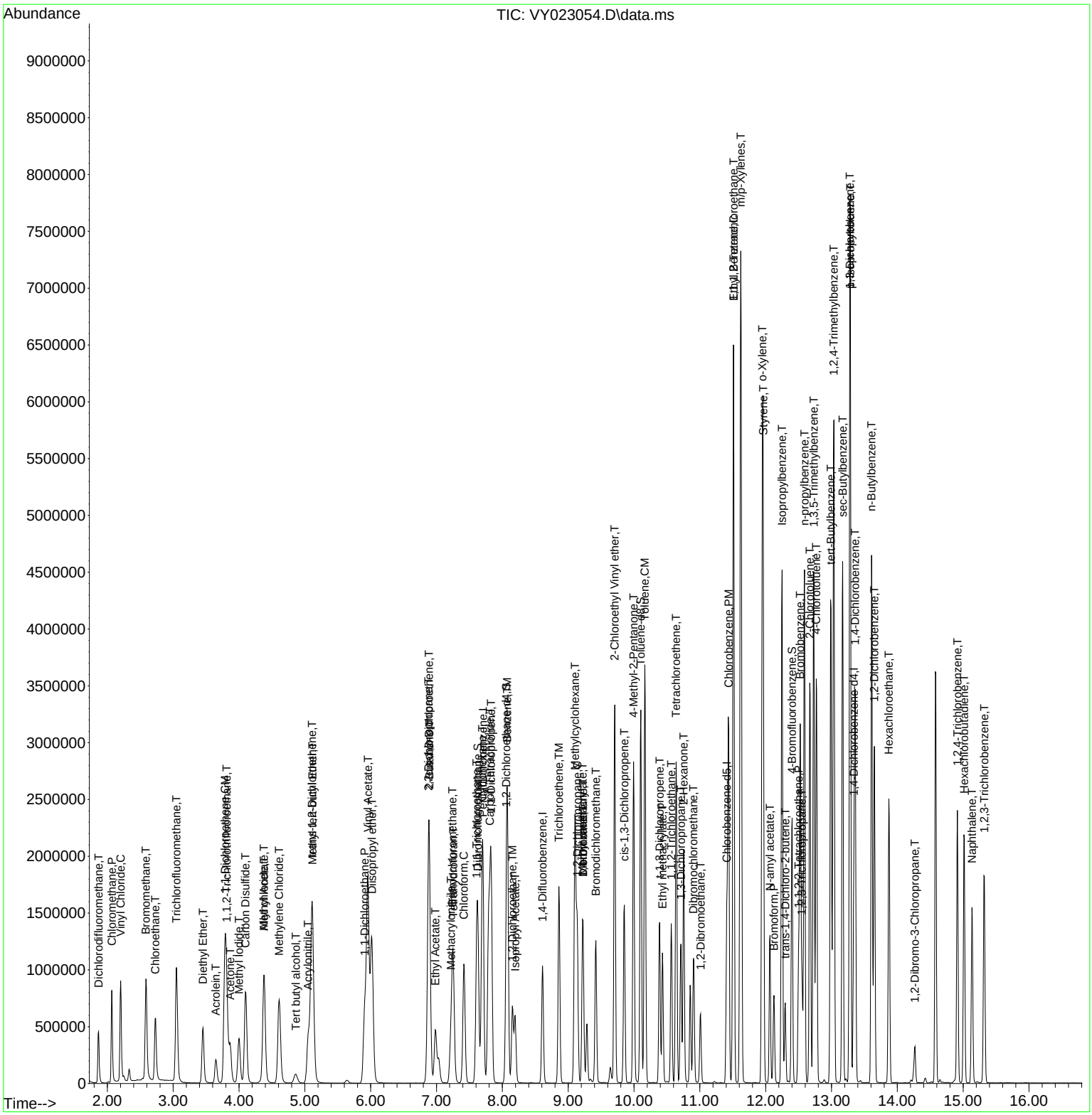
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

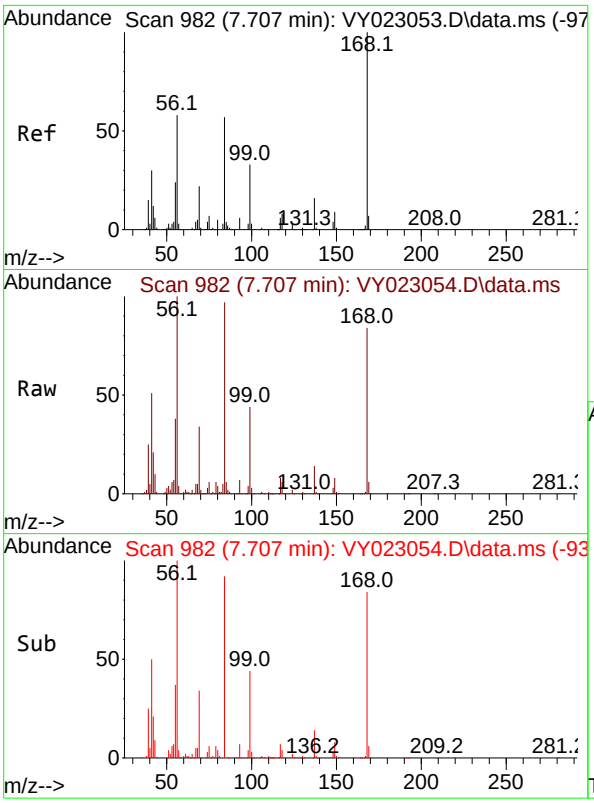
Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

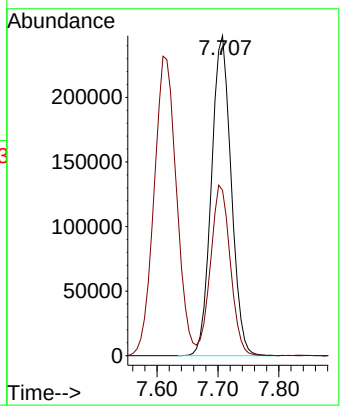




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:168 Resp: 55826

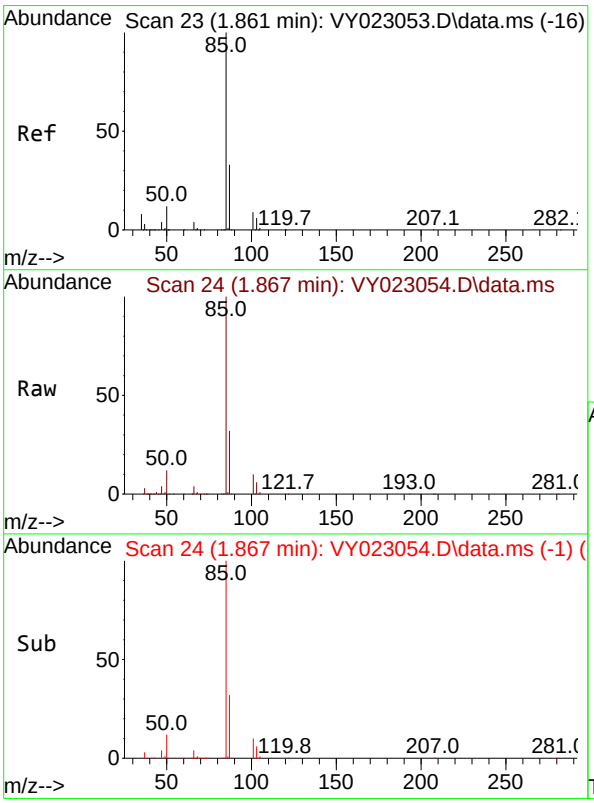
Ion	Ratio	Lower	Upper
168	100		
99	51.7	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

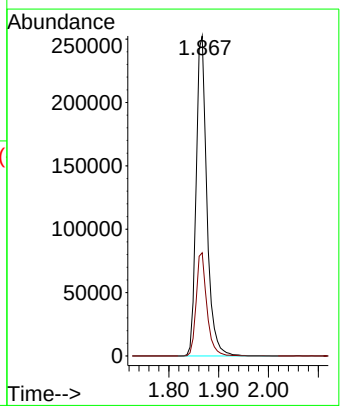
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

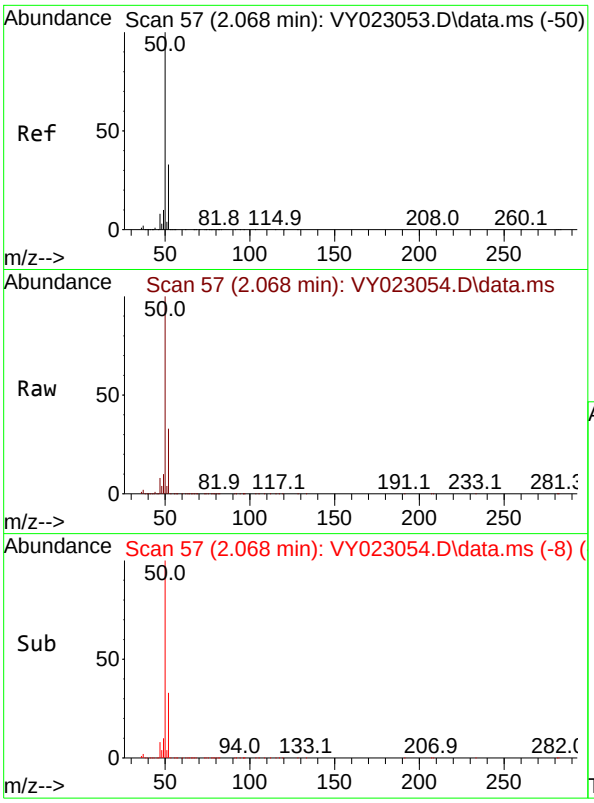


#2
Dichlorodifluoromethane
Concen: 82.570 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 85 Resp: 376261

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8





#3
Chloromethane
Concen: 91.248 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

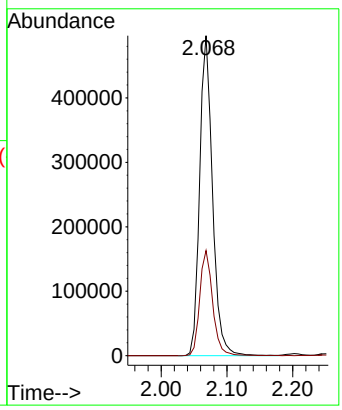
Tgt Ion: 50 Resp: 67347

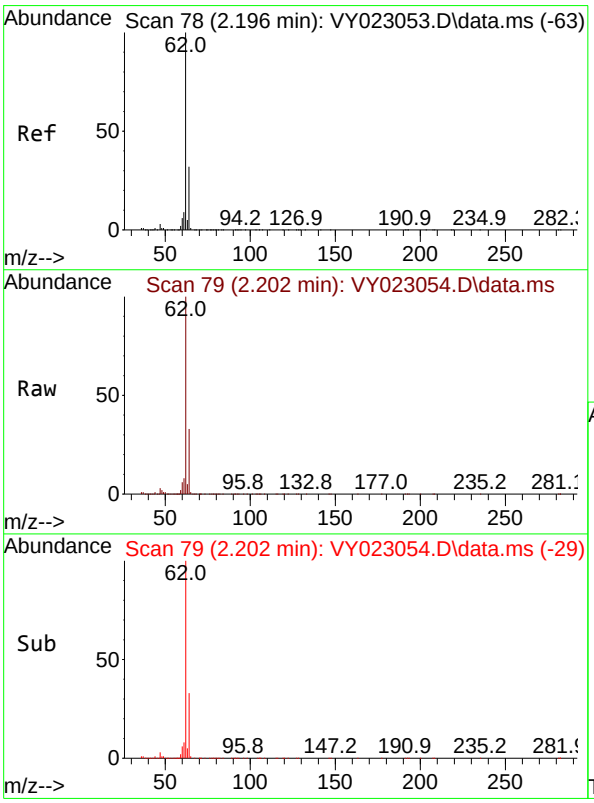
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.7	40.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

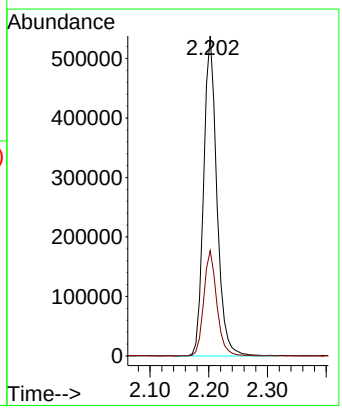


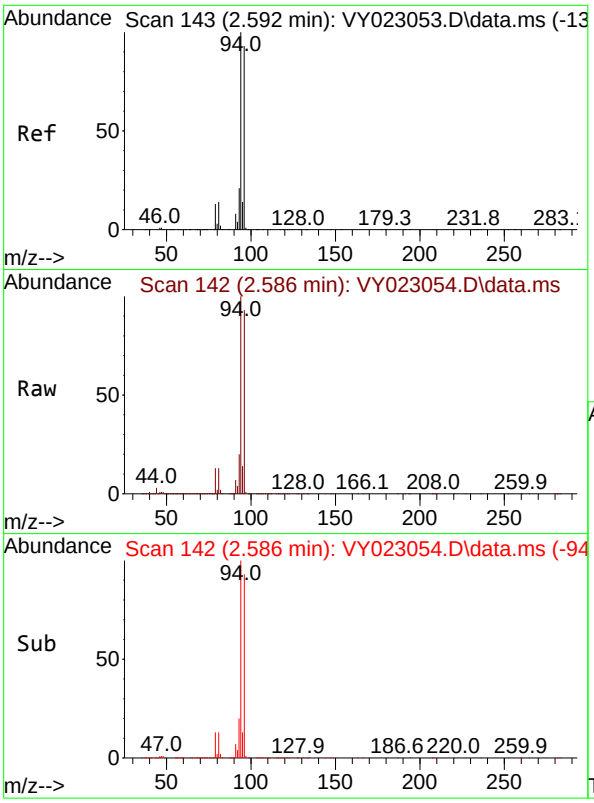


#4
Vinyl Chloride
Concen: 92.250 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 841648

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.4	38.0





#5
Bromomethane
Concen: 94.384 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

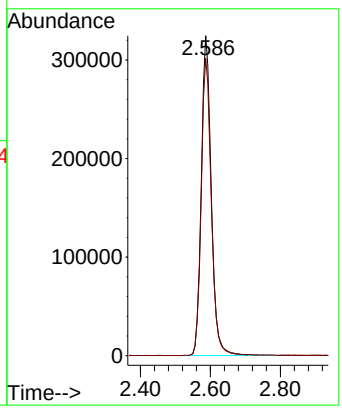
Tgt Ion: 94 Resp: 64310

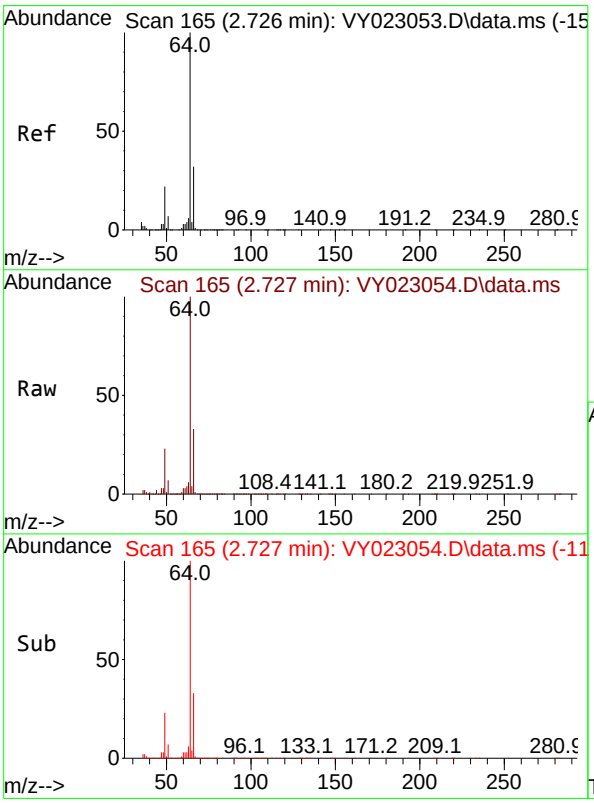
Ion	Ratio	Lower	Upper
94	100		
96	92.9	74.6	112.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

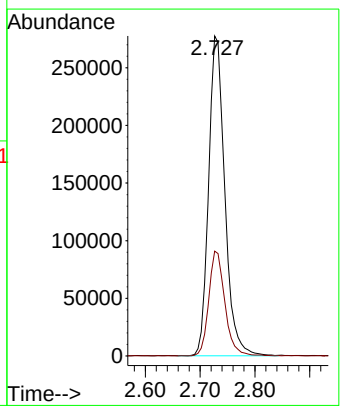


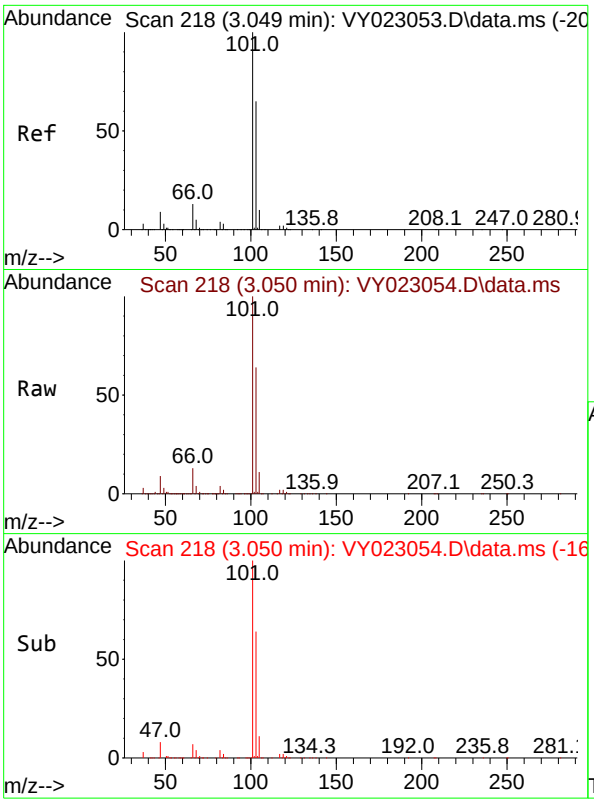


#6
Chloroethane
Concen: 93.563 ug/l
RT: 2.727 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 64 Resp: 567515

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.8	38.6

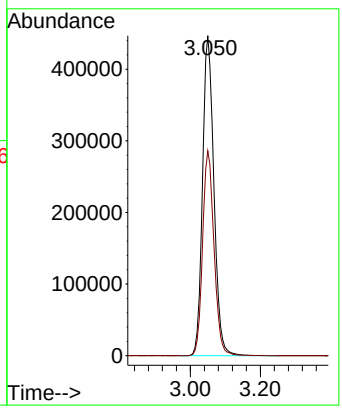




#7
Trichlorofluoromethane
Concen: 90.617 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:101 Resp: 100528

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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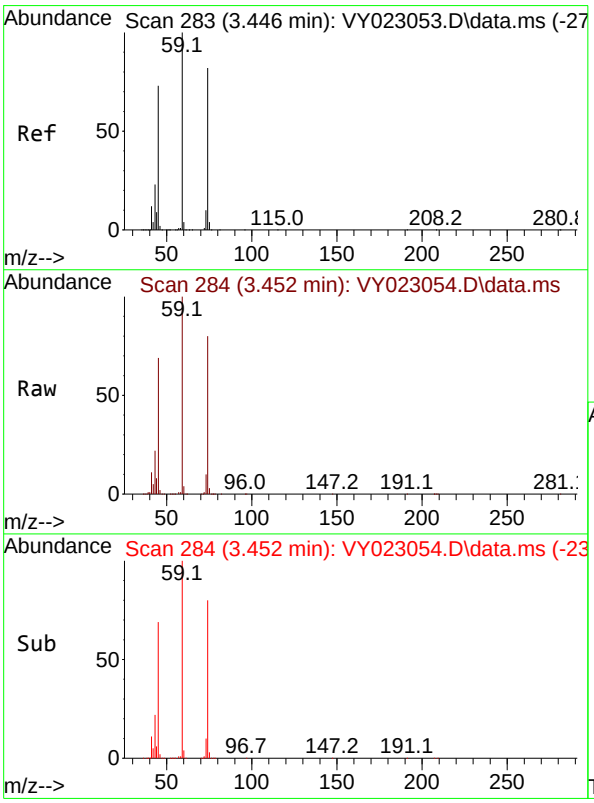
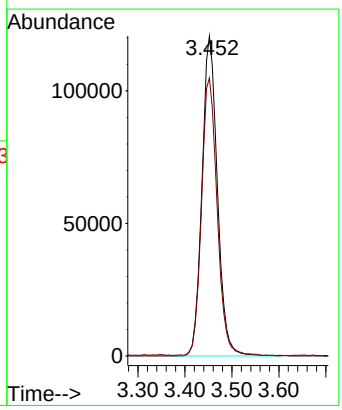
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

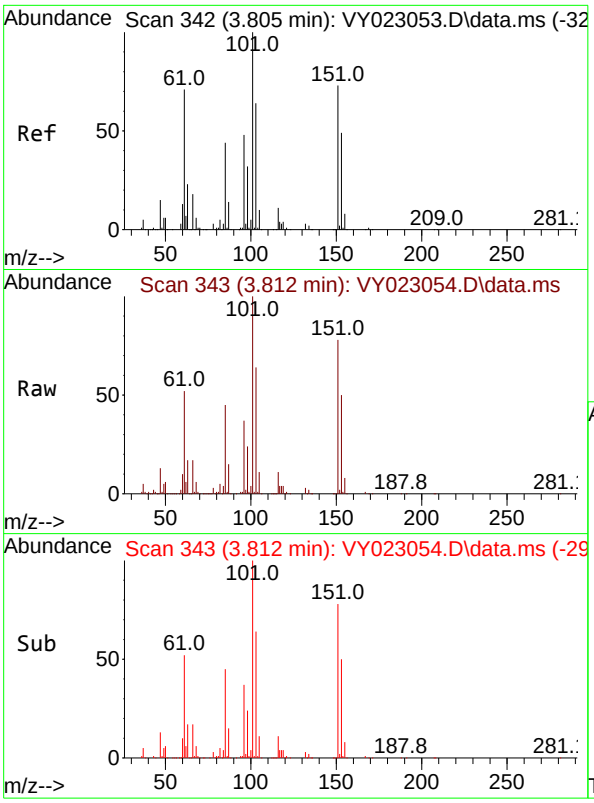


#8
Diethyl Ether
Concen: 93.150 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 74 Resp: 273400

Ion	Ratio	Lower	Upper
74	100		
45	88.2	44.4	133.2

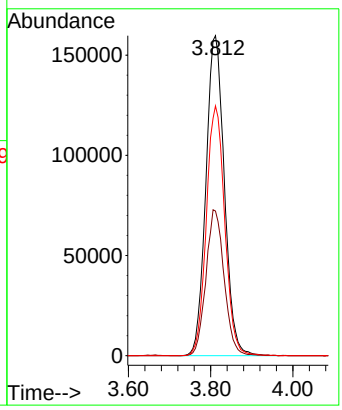




#9
1,1,2-Trichlorotrifluoroethane
Concen: 90.882 ug/l
RT: 3.812 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:101 Resp: 49740

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.3	54.5
151	77.9	61.5	92.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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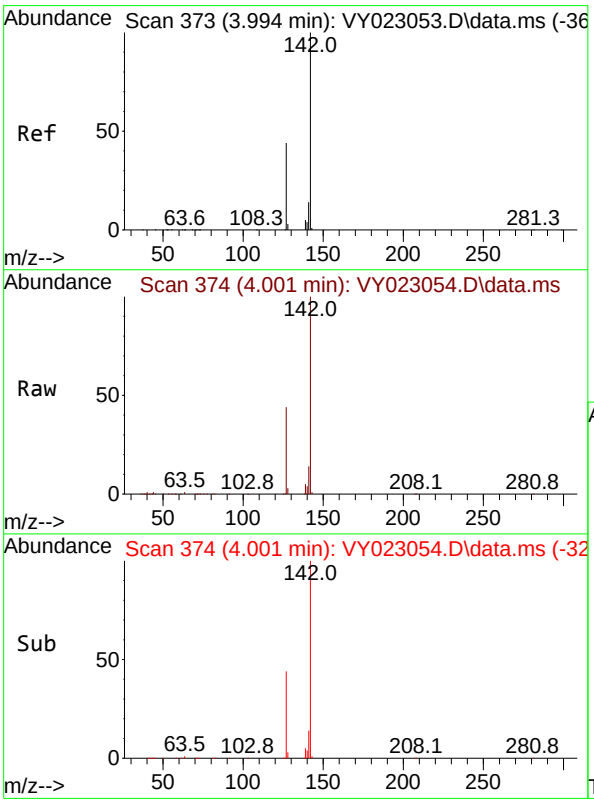
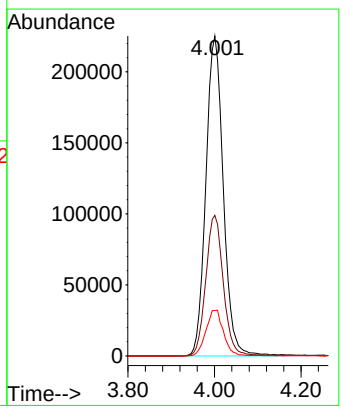
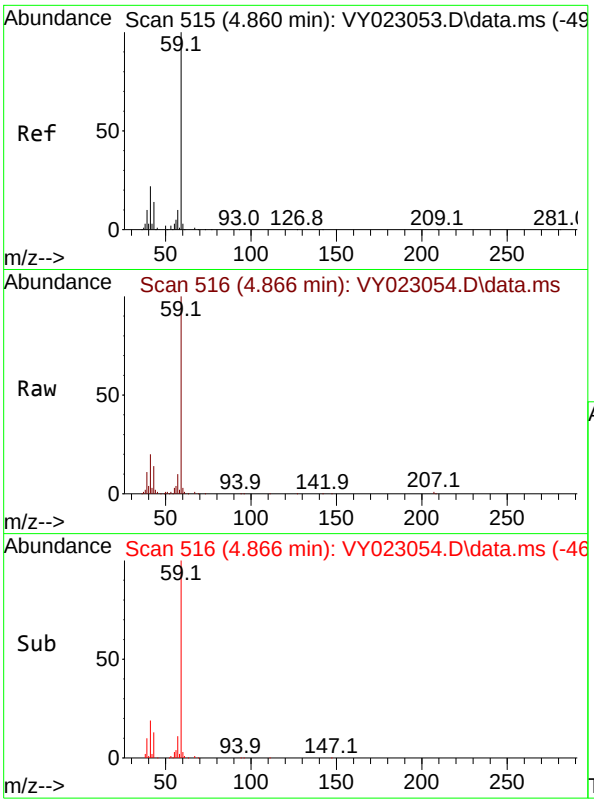


#10
Methyl Iodide
Concen: 106.635 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:142 Resp: 629775

Ion	Ratio	Lower	Upper
142	100		
127	44.2	34.9	52.3
141	14.4	11.3	16.9

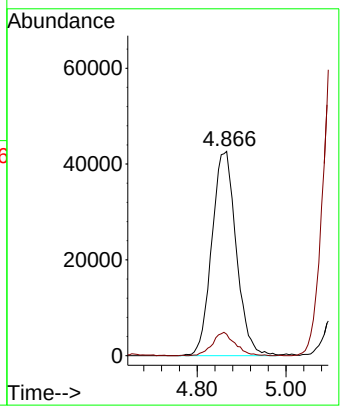




#11
Tert butyl alcohol
Concen: 445.387 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 59 Resp: 16237

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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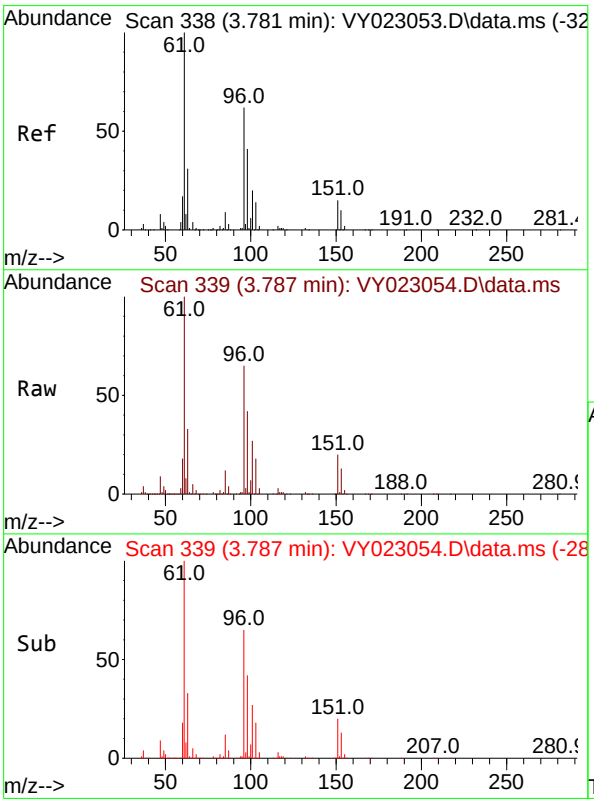
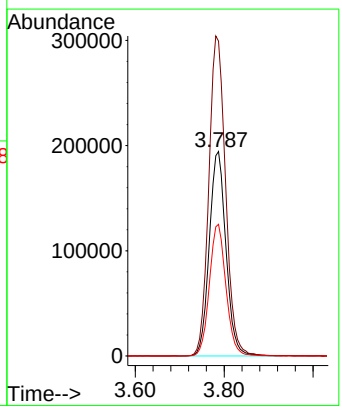
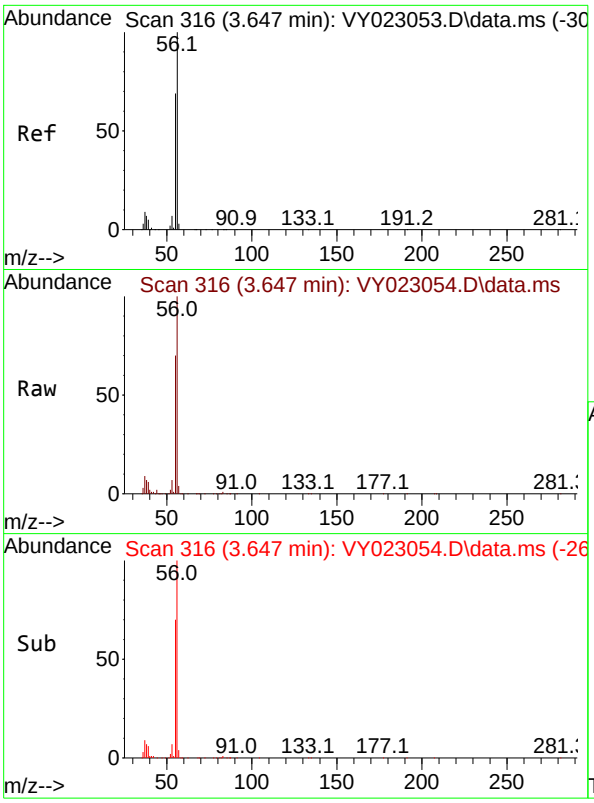


#12
1,1-Dichloroethene
Concen: 94.229 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 96 Resp: 506919

Ion	Ratio	Lower	Upper
96	100		
61	154.0	129.4	194.2
98	64.4	52.8	79.2

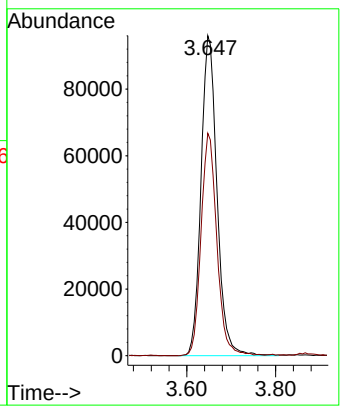




#13
Acrolein
Concen: 450.599 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 56 Resp: 24058

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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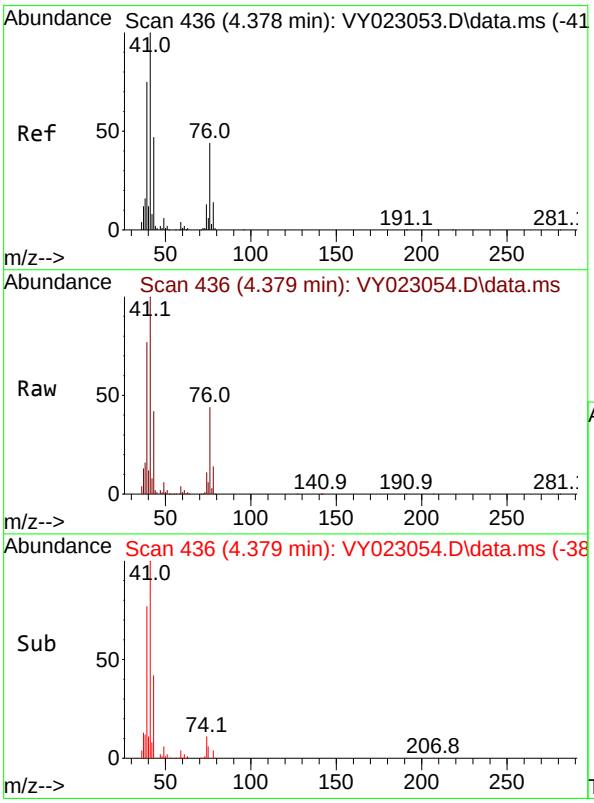
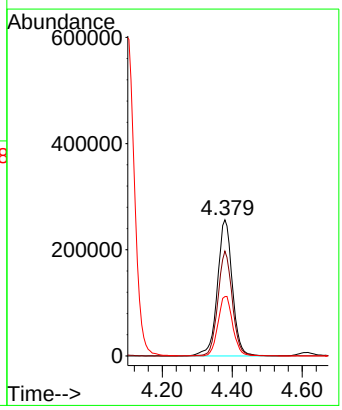
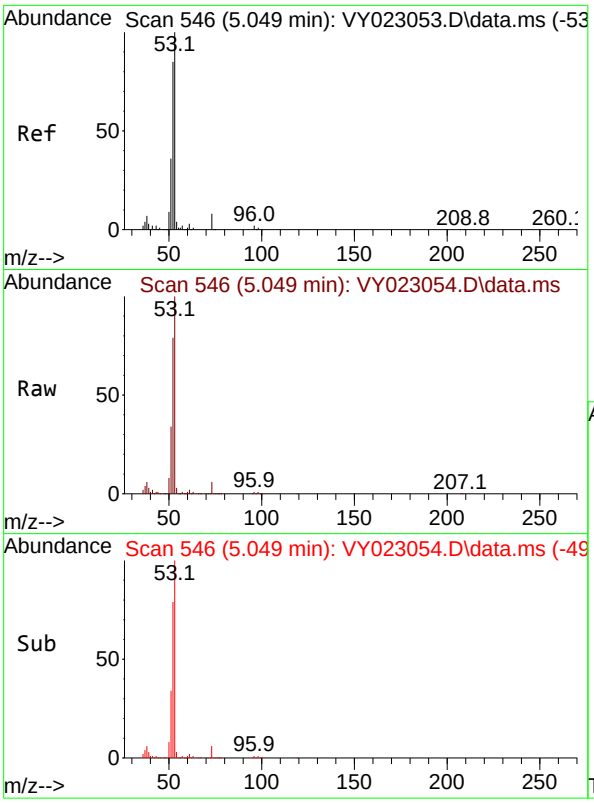


#14
Allyl chloride
Concen: 96.000 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 759925

Ion	Ratio	Lower	Upper
41	100		
39	74.3	59.8	89.6
76	43.0	33.7	50.5

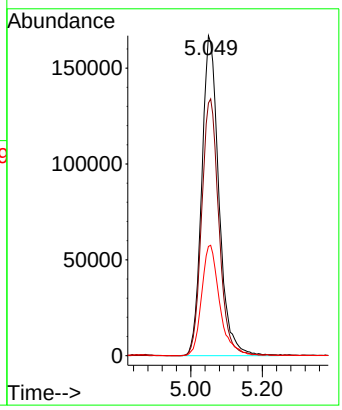




#15
Acrylonitrile
Concen: 465.802 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 53 Resp: 55581

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.3	97.9
51	36.3	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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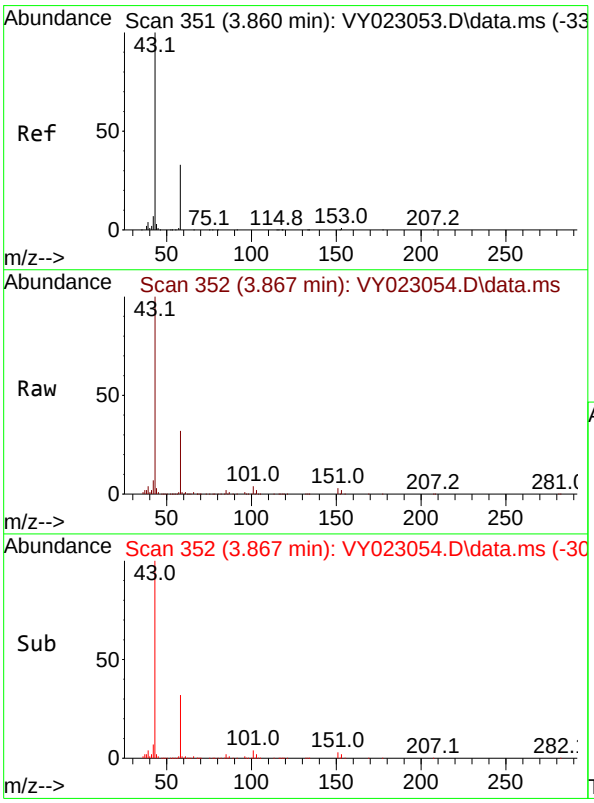
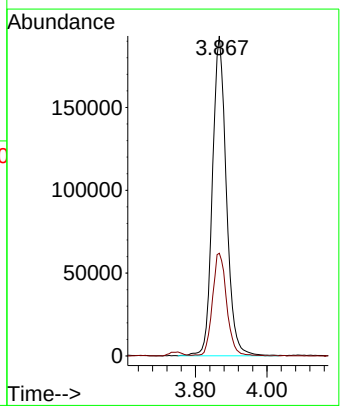
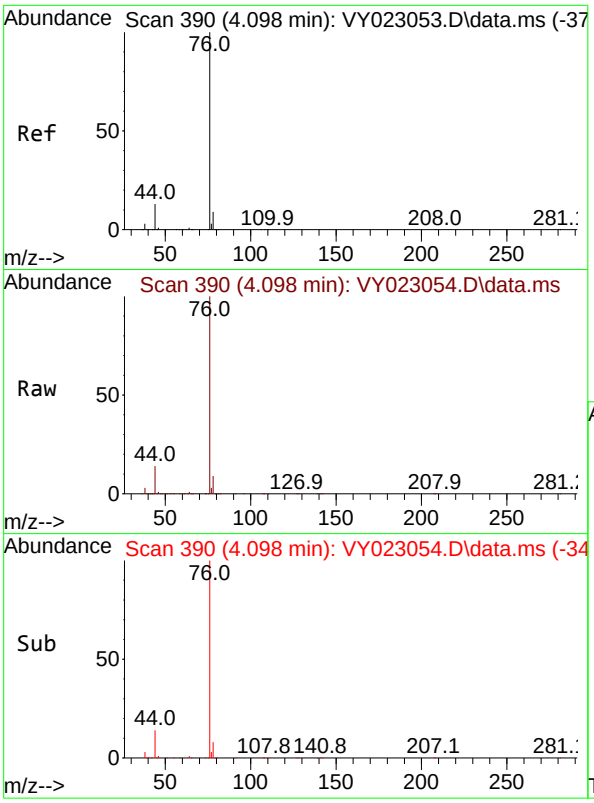


#16
Acetone
Concen: 453.007 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 522178

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.1	40.7

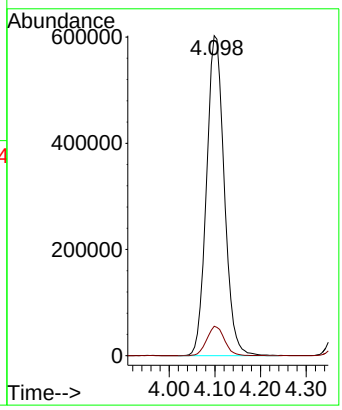




#17
Carbon Disulfide
Concen: 92.494 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 76 Resp: 162245

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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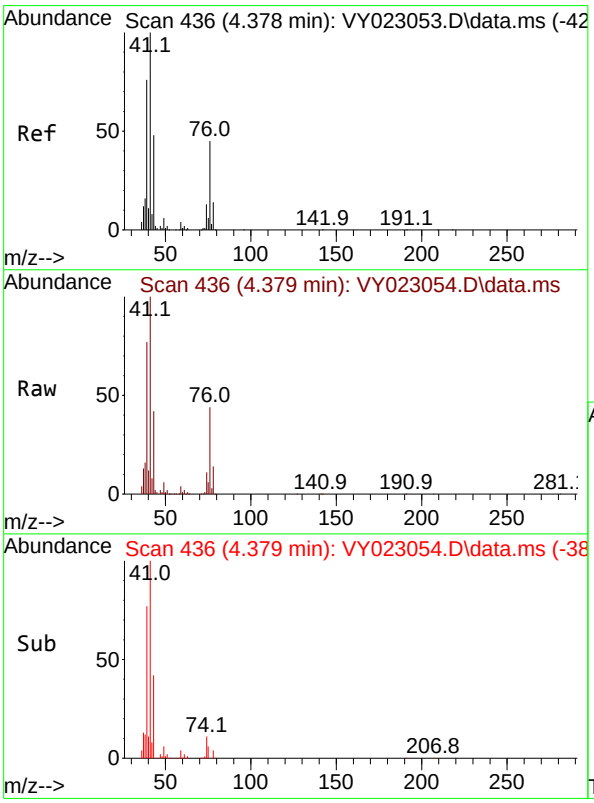
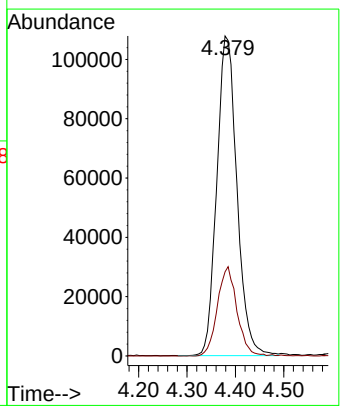
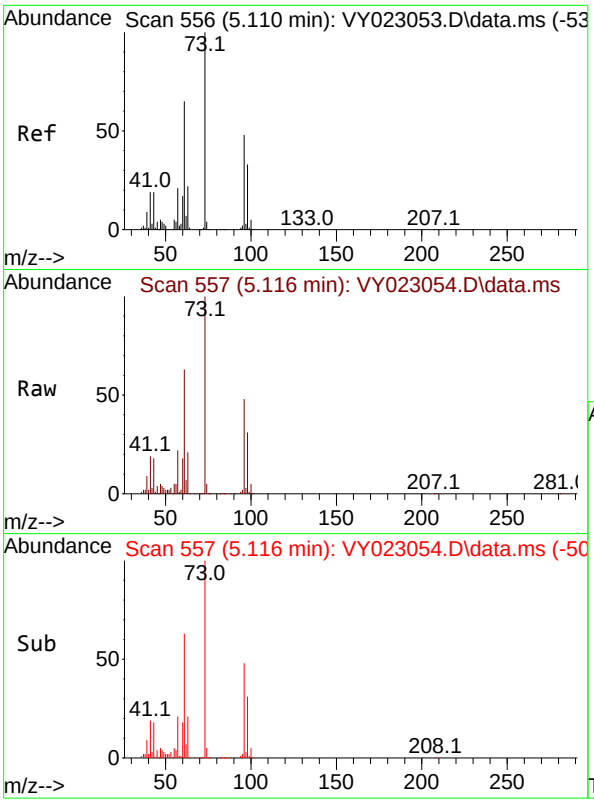


#18
Methyl Acetate
Concen: 90.993 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 312127

Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.2	31.8

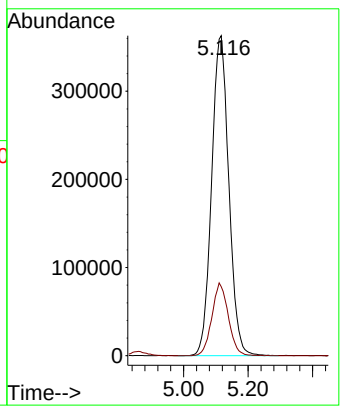




#19
Methyl tert-butyl Ether
Concen: 96.284 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 73 Resp: 134223

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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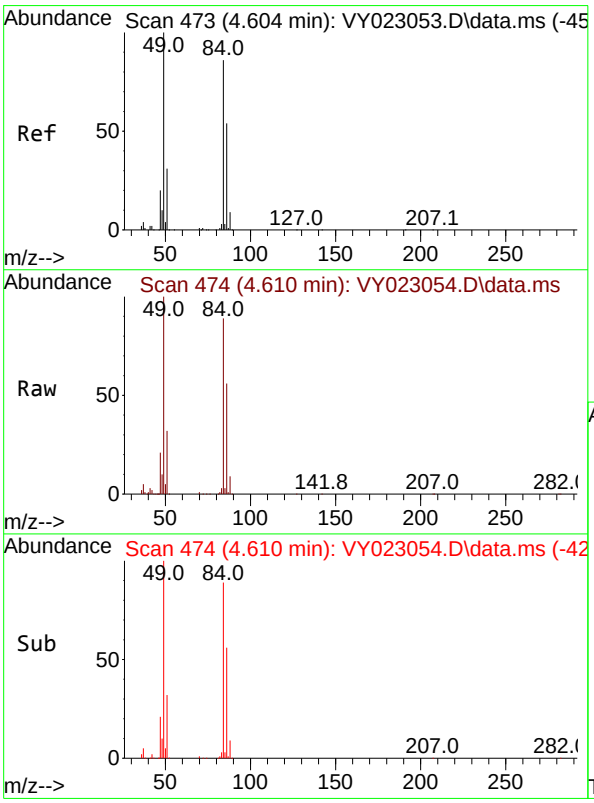
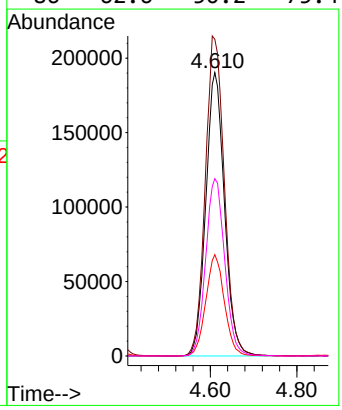
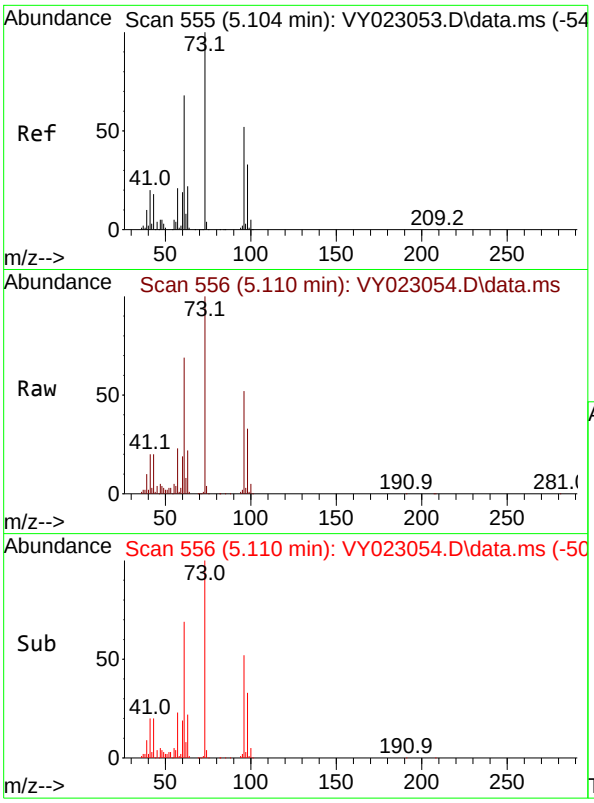


#20
Methylene Chloride
Concen: 97.847 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 84 Resp: 570465

Ion	Ratio	Lower	Upper
84	100		
49	111.7	93.0	139.6
51	35.7	29.0	43.4
86	62.6	50.2	75.4

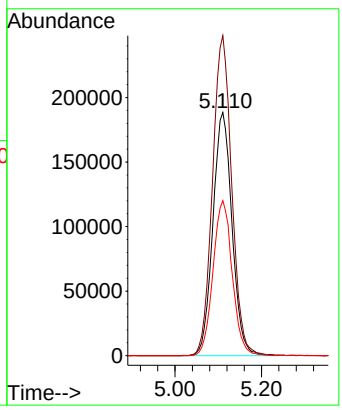




#21
trans-1,2-Dichloroethene
Concen: 96.098 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 96 Resp: 58097

Ion	Ratio	Lower	Upper
96	100		
61	131.5	104.8	157.2
98	63.8	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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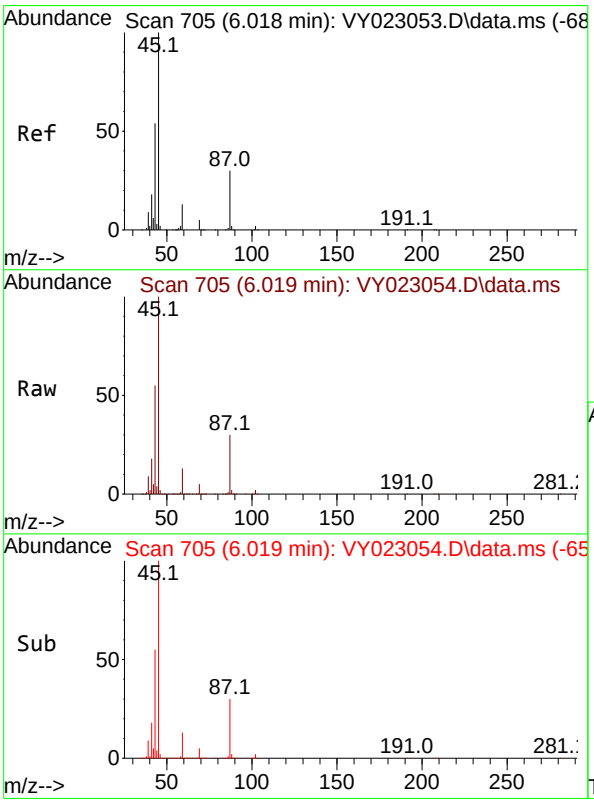
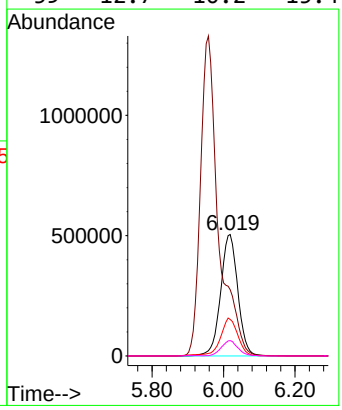
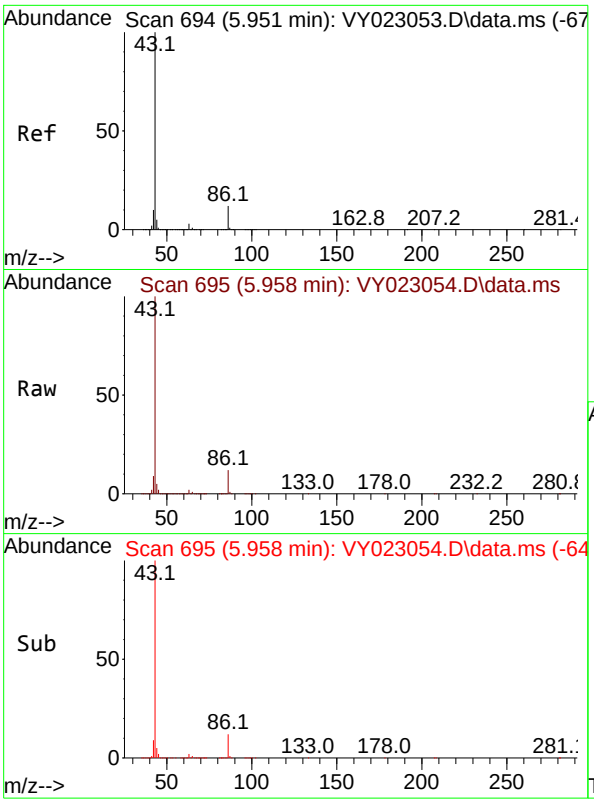


#22
Diisopropyl ether
Concen: 98.033 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 45 Resp: 1686285

Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.4	65.0
87	30.0	24.4	36.6
59	12.7	10.2	15.4

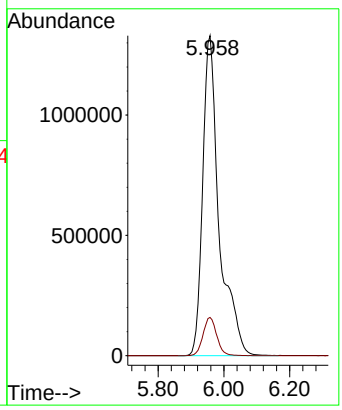




#23
Vinyl Acetate
Concen: 487.023 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 463227

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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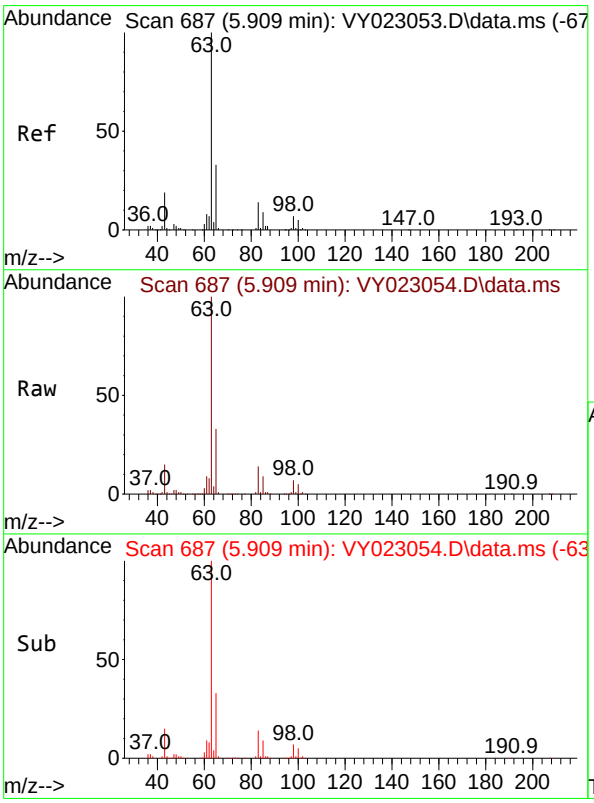
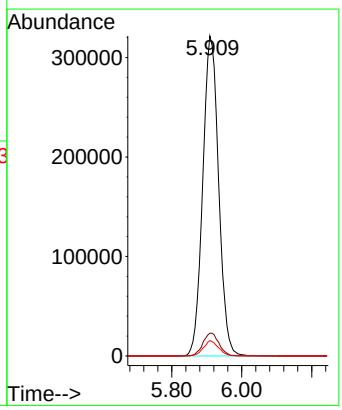
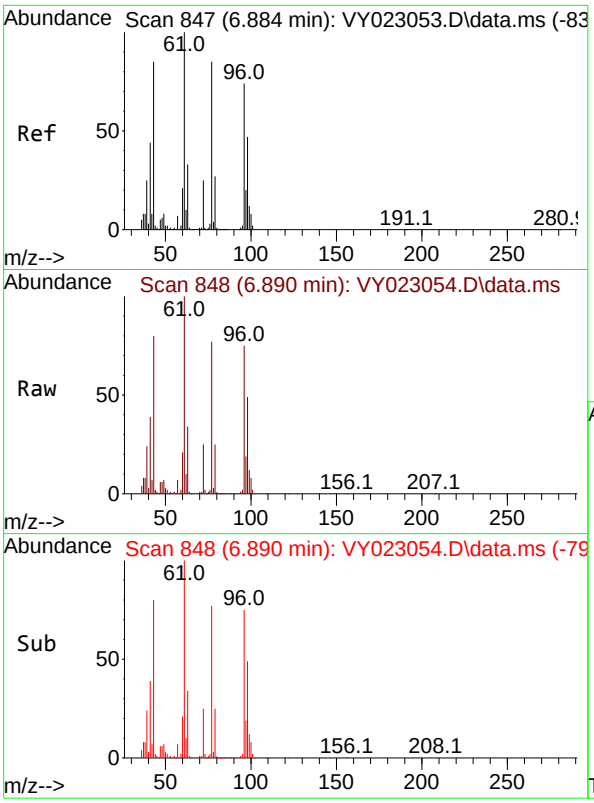


#24
1,1-Dichloroethane
Concen: 96.306 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 63 Resp: 1012815

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.8	2.4	7.1

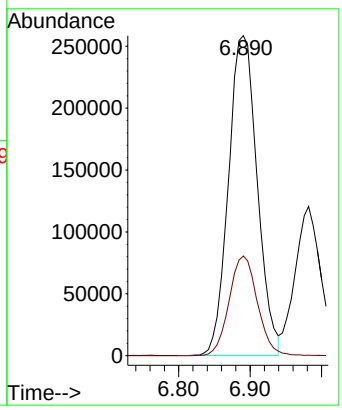




#25
2-Butanone
Concen: 460.899 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 72255

Ion	Ratio	Lower	Upper
43	100		
72	31.2	23.5	35.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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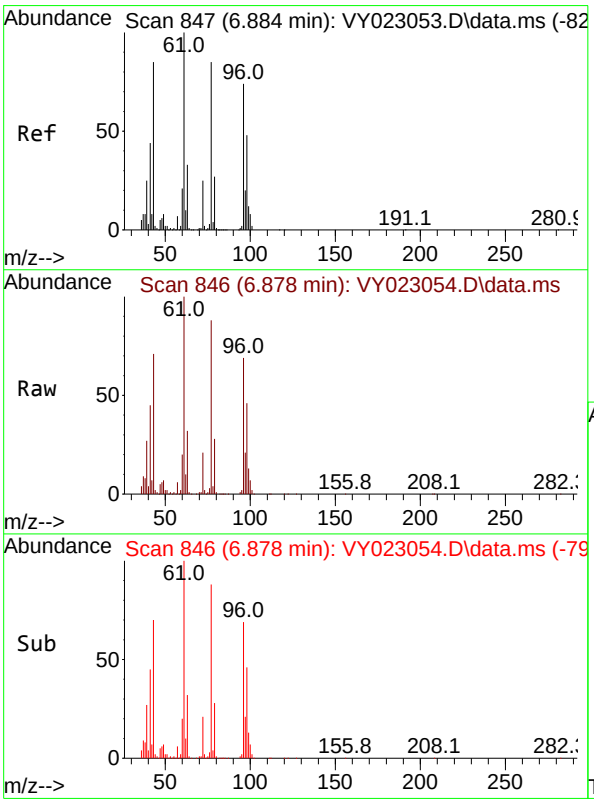
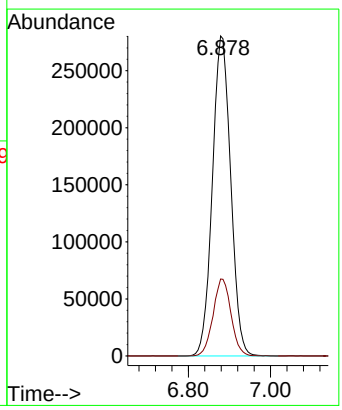
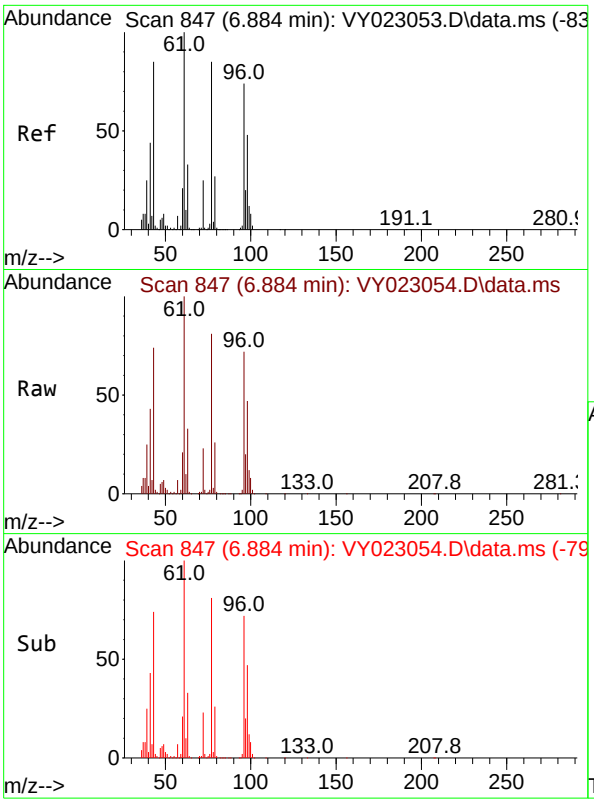


#26
2,2-Dichloropropane
Concen: 95.497 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 77 Resp: 866598

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.6	34.8

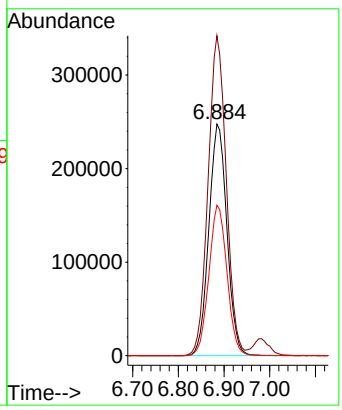




#27
cis-1,2-Dichloroethene
Concen: 97.472 ug/l
RT: 6.884 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 96 Resp: 68124

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	278.6
98	65.0	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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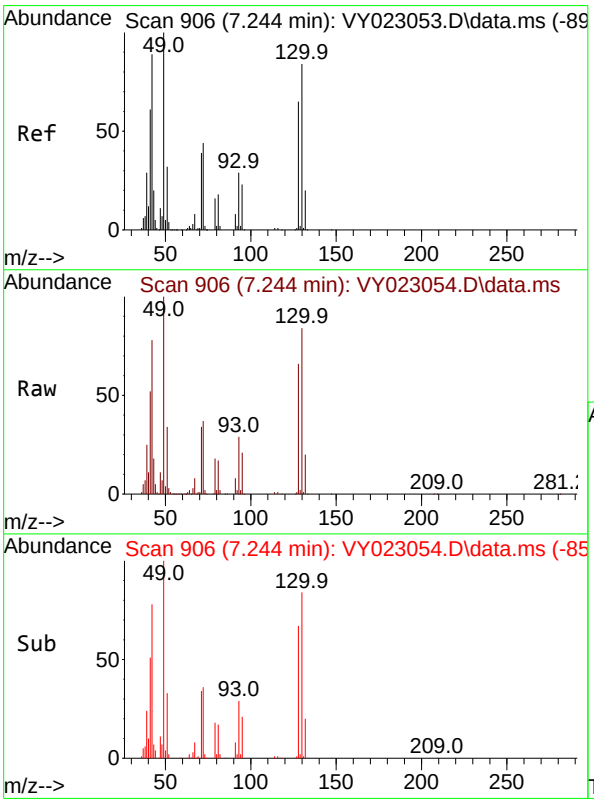
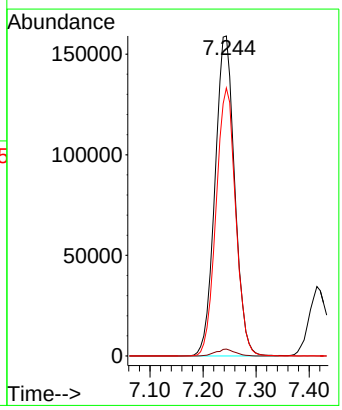
Supervised By :Semsettin Yesilyurt 08/14/2025

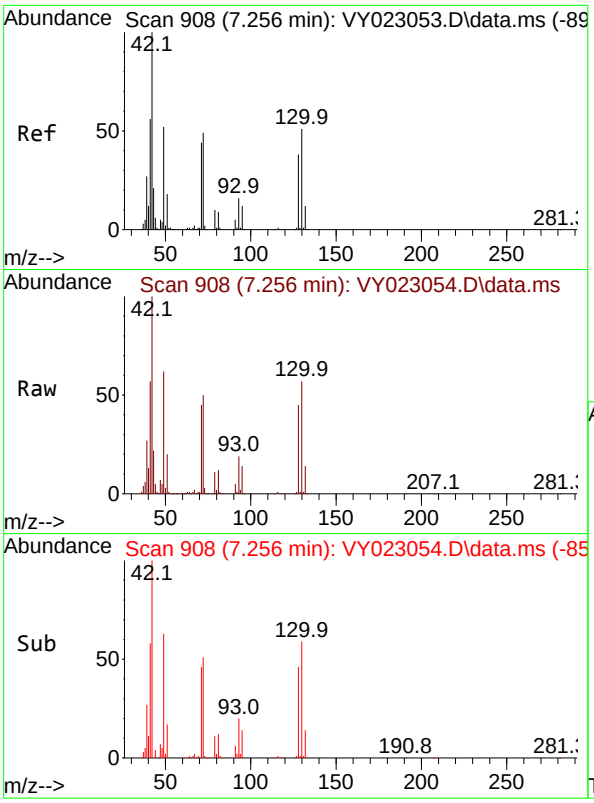


#28
Bromochloromethane
Concen: 98.188 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 49 Resp: 409677

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.4	66.4	99.6

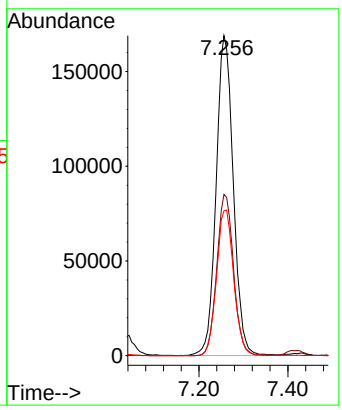




#29
Tetrahydrofuran
Concen: 464.370 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 42 Resp: 45125

Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.4	59.2
71	45.8	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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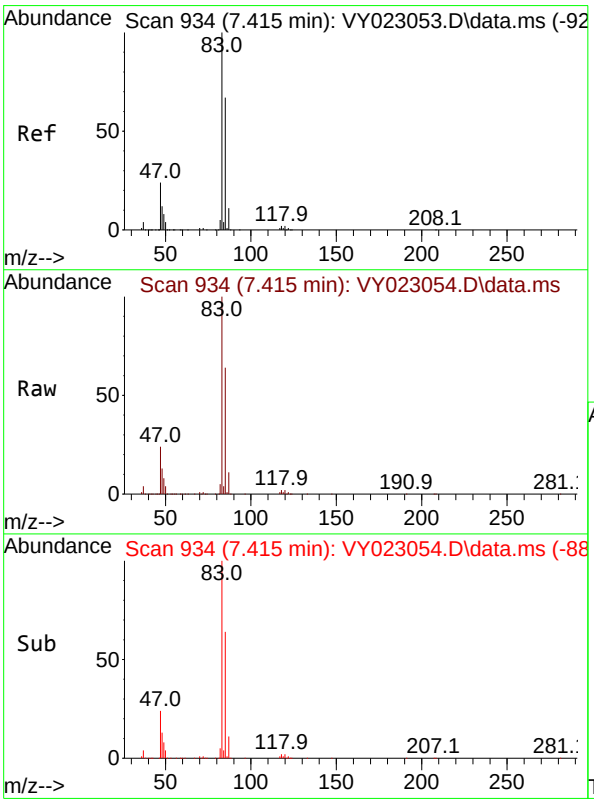
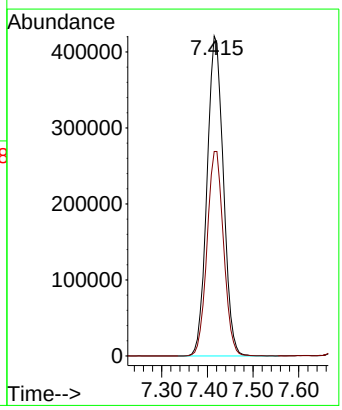
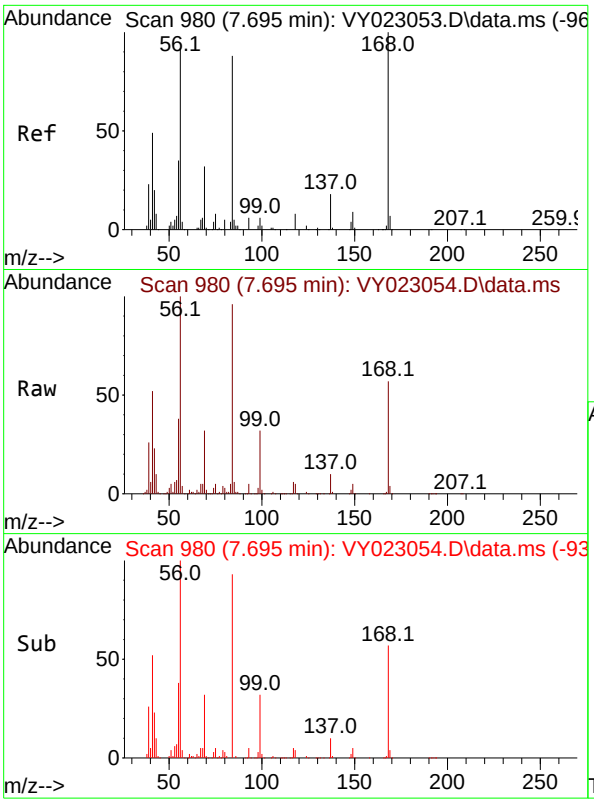


#30
Chloroform
Concen: 96.383 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 83 Resp: 1045381

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.8	80.8

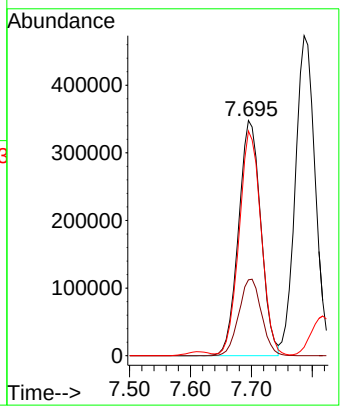




#31
Cyclohexane
Concen: 89.271 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 56 Resp: 88470

Ion	Ratio	Lower	Upper
56	100		
69	32.3	28.2	42.2
84	95.2	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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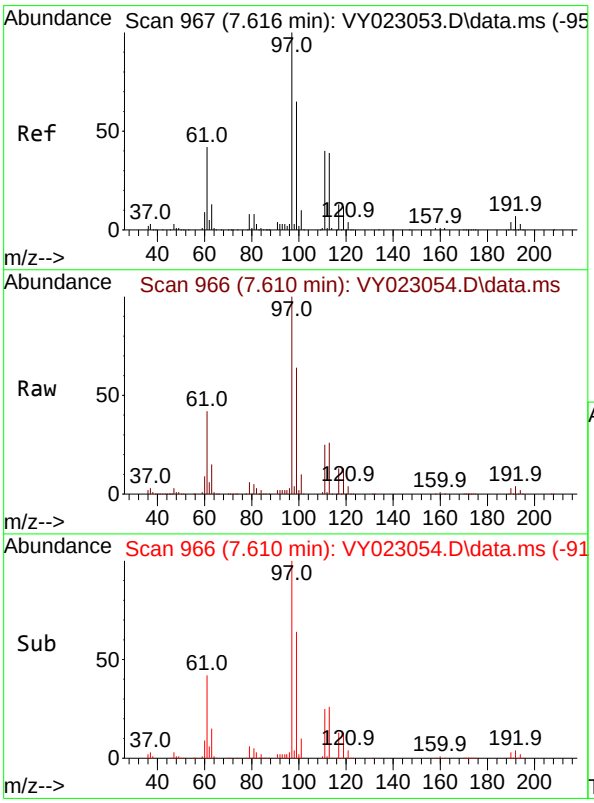
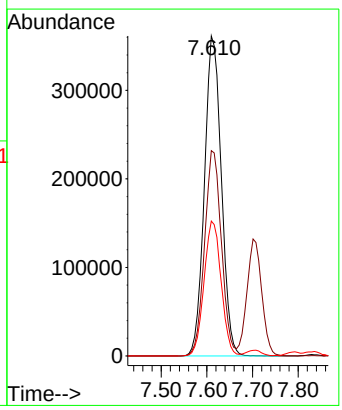
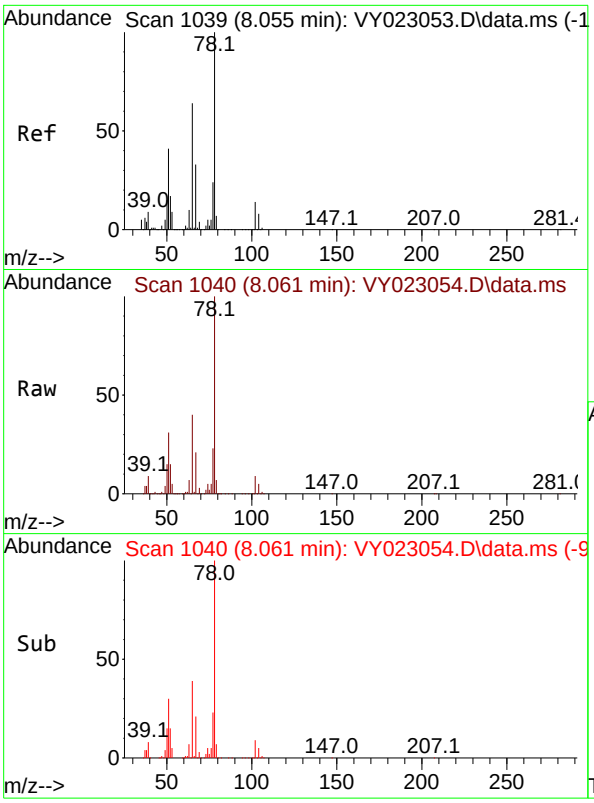


#32
1,1,1-Trichloroethane
Concen: 96.620 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 97 Resp: 929858

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	42.5	34.2	51.2

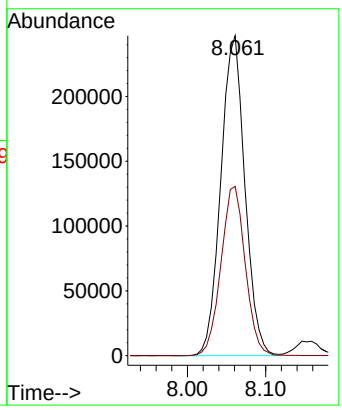




#33
1,2-Dichloroethane-d4
Concen: 99.115 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 65 Resp: 52735(

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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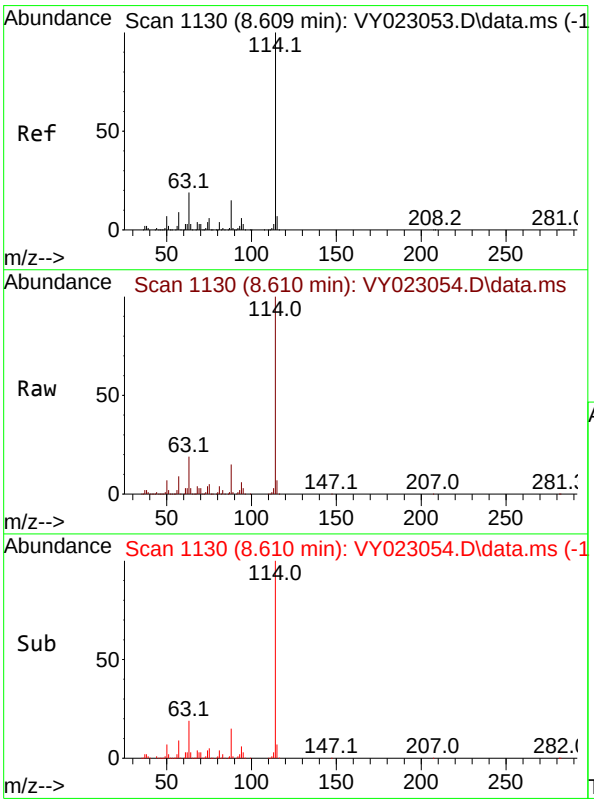
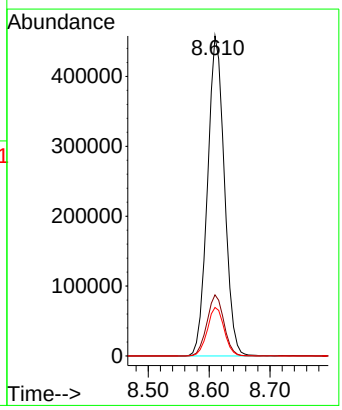
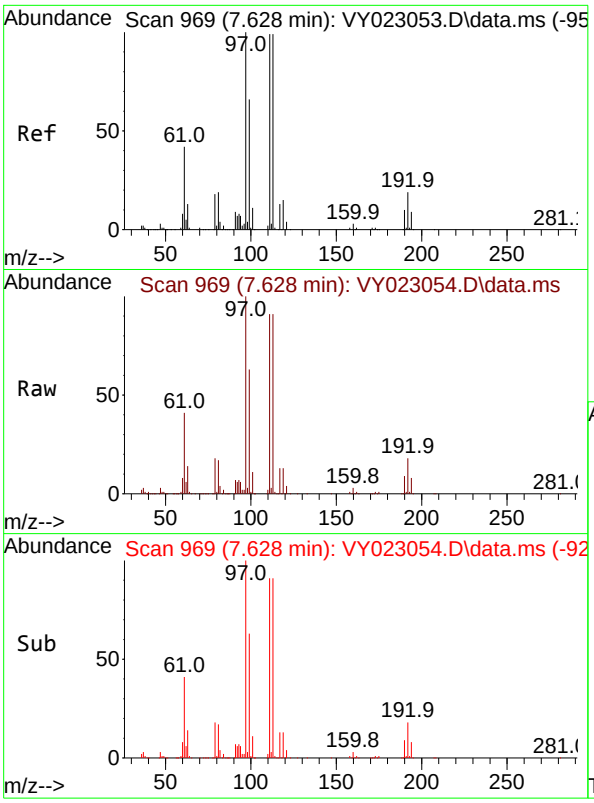


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:114 Resp: 880463

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.2	0.0	30.0





#35
Dibromofluoromethane
Concen: 102.518 ug/l
RT: 7.628 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:113 Resp: 54010(

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	20.4	16.2	24.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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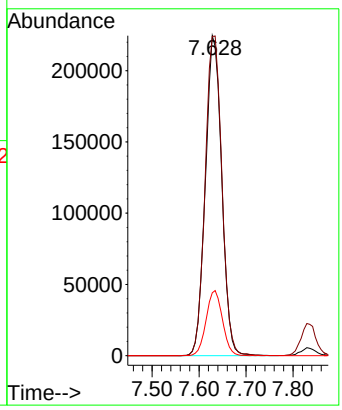
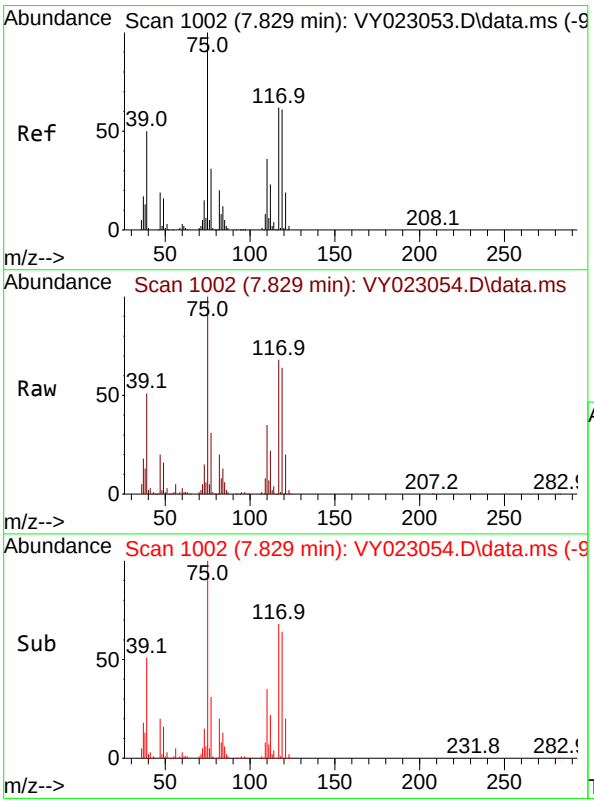
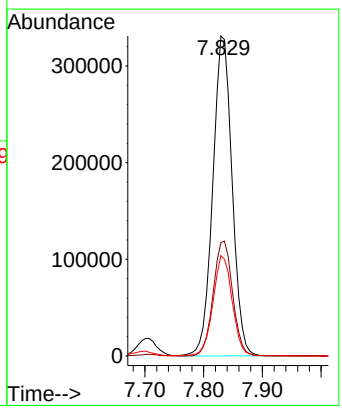


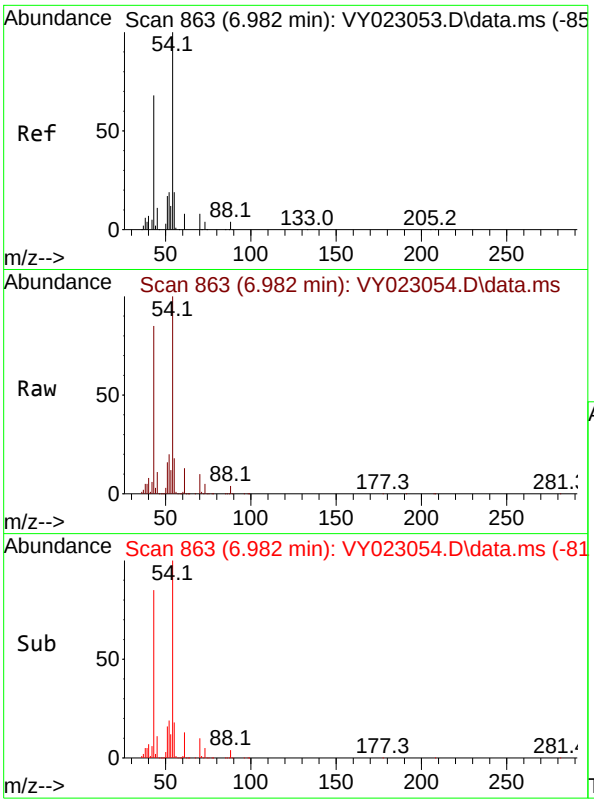


#36
1,1-Dichloropropene
Concen: 96.443 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 755114

Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.4
77	31.3	24.6	37.0

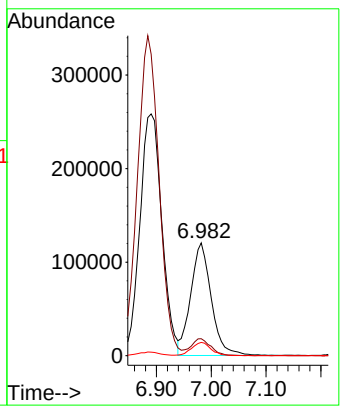




#37
Ethyl Acetate
Concen: 95.302 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 31344

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.9	17.9
70	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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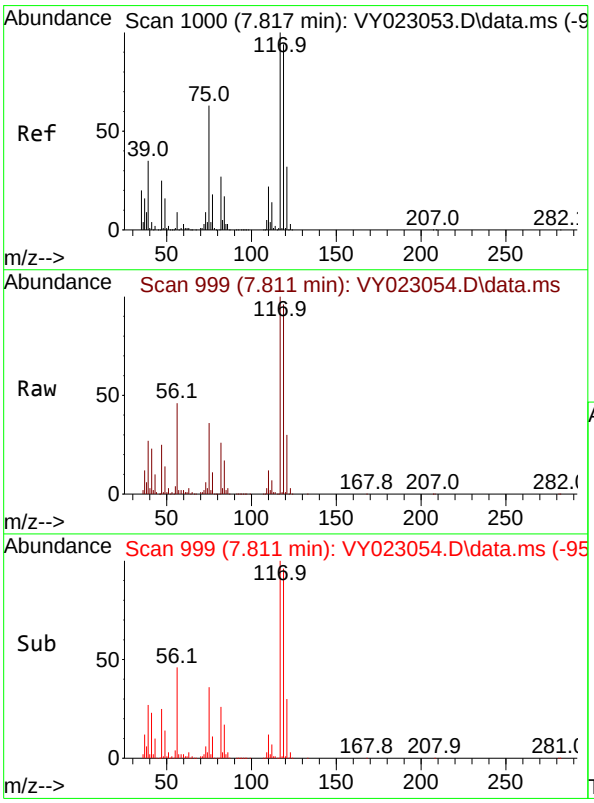
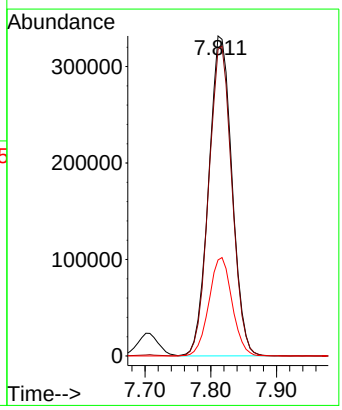
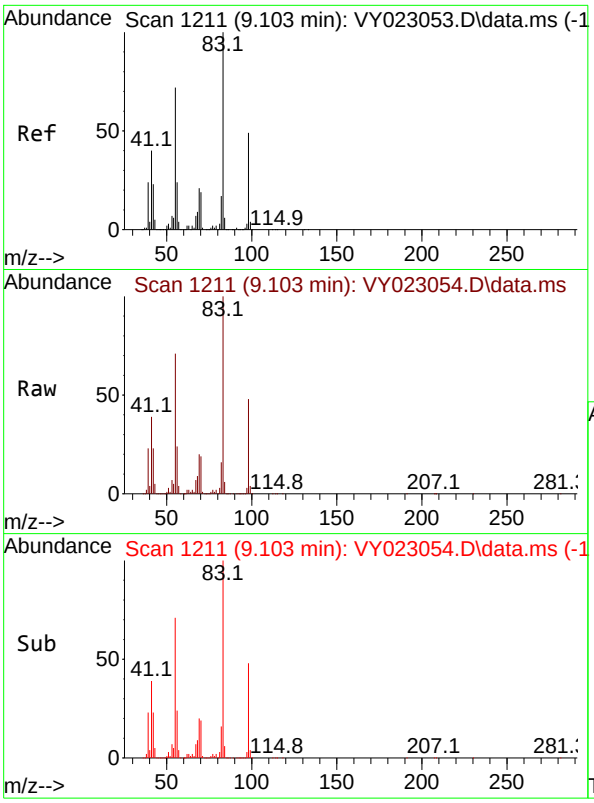


#38
Carbon Tetrachloride
Concen: 96.419 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:117 Resp: 819941

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.6	113.4
121	30.0	25.8	38.8





#39
Methylcyclohexane
Concen: 98.146 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 83 Resp: 101194

Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.6	86.4
98	48.2	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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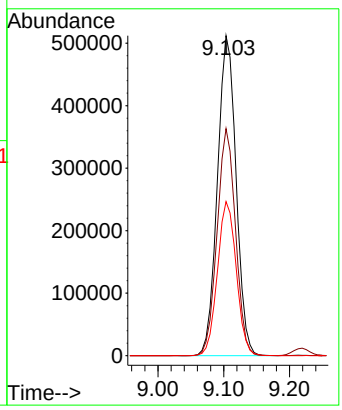
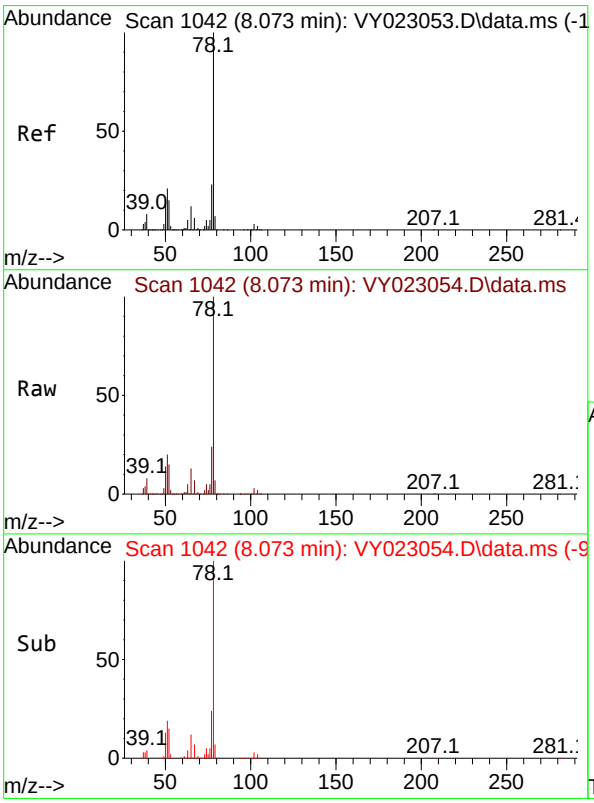
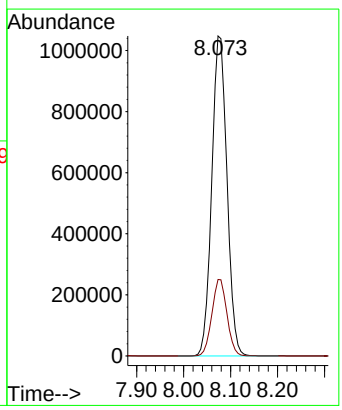


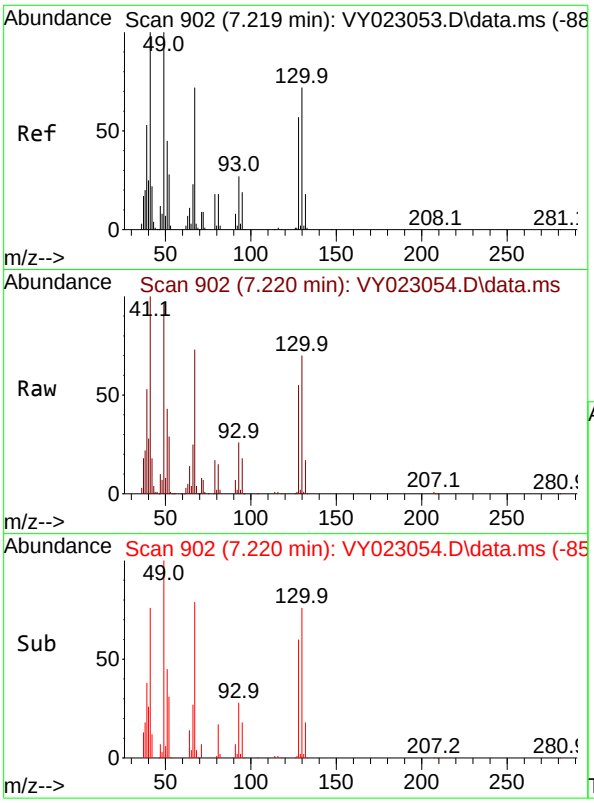


#40
Benzene
Concen: 97.324 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 78 Resp: 2348617

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0

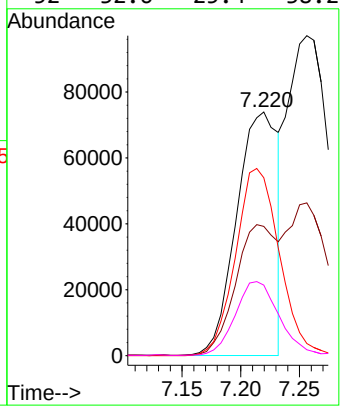




#41
Methacrylonitrile
Concen: 94.973 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 18046

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.4	65.2
67	82.3	63.6	95.4
52	32.6	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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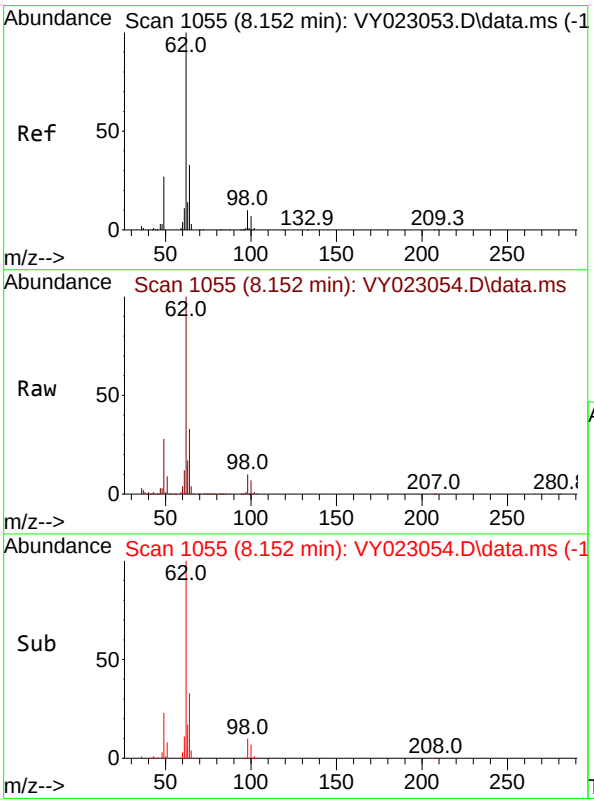
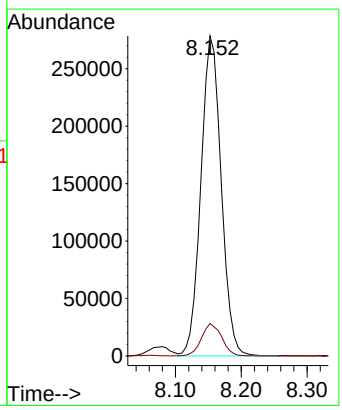
Supervised By :Semsettin Yesilyurt 08/14/2025

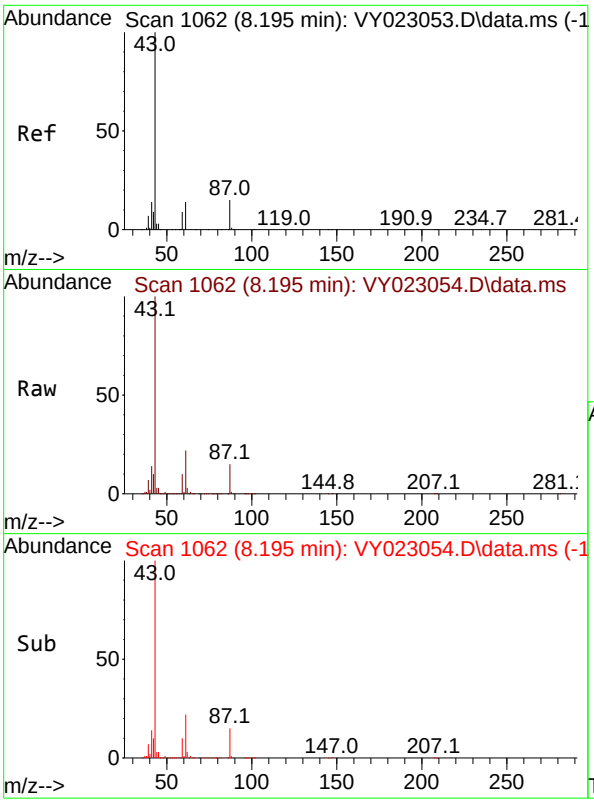


#42
1,2-Dichloroethane
Concen: 95.155 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 597215

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43
Isopropyl Acetate
Concen: 95.780 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 6367

Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.4	24.6
87	14.9	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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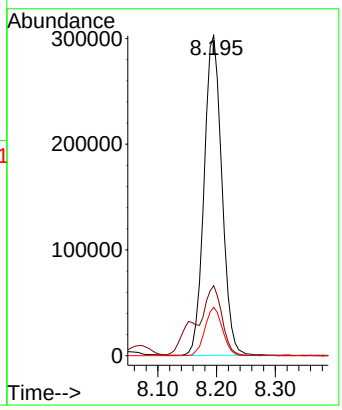
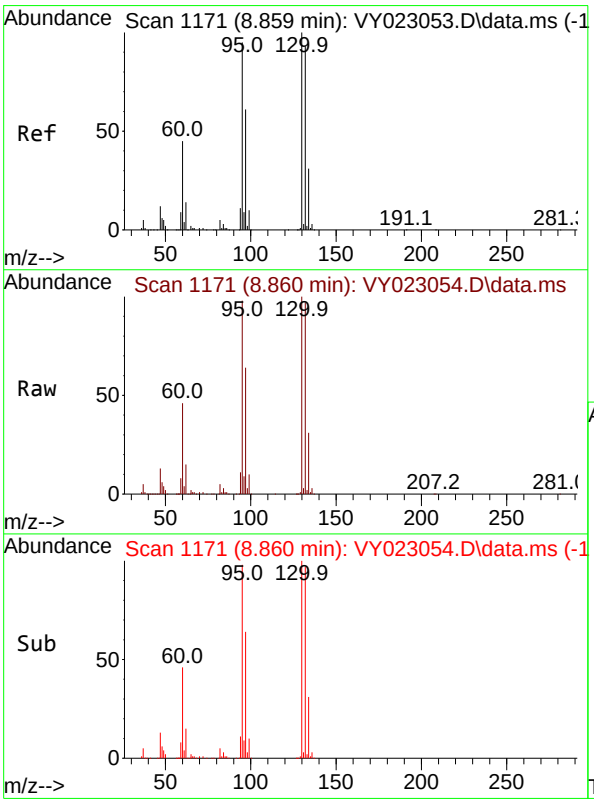
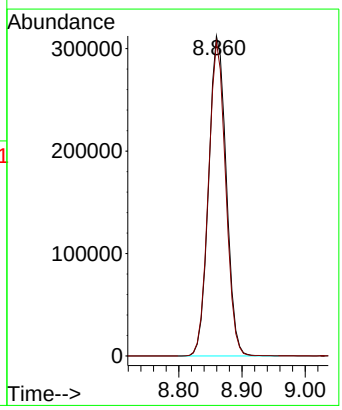


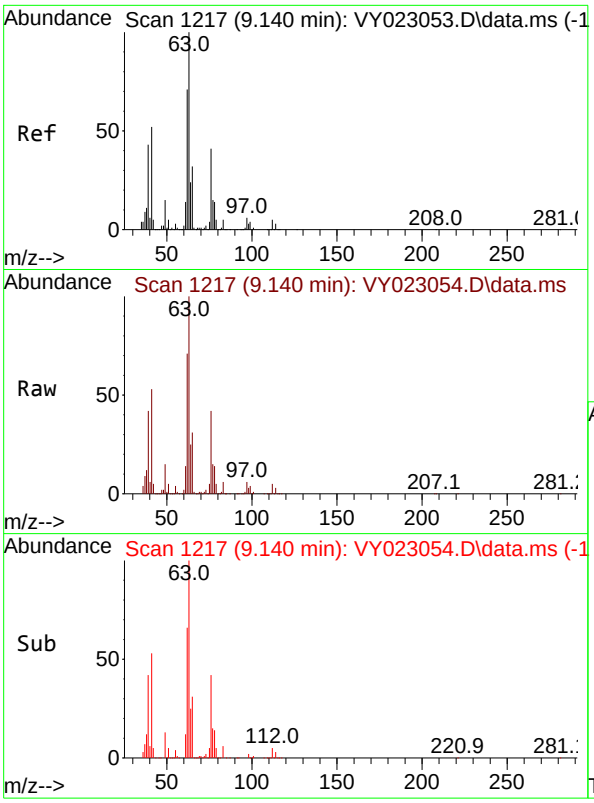


#44
Trichloroethene
Concen: 96.584 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:130 Resp: 602322

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	190.2

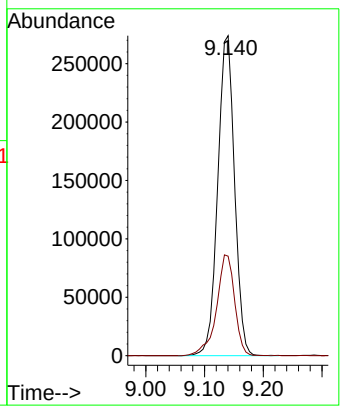




#45
1,2-Dichloropropane
Concen: 97.899 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 63 Resp: 54358

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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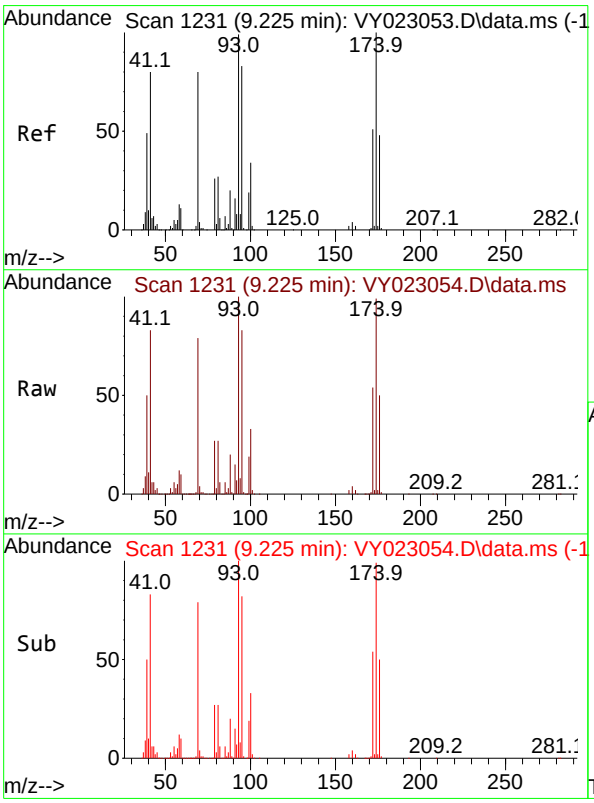
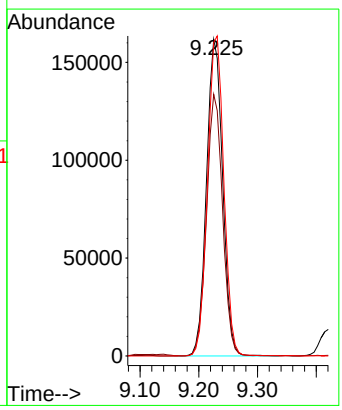
Supervised By :Semsettin Yesilyurt 08/14/2025

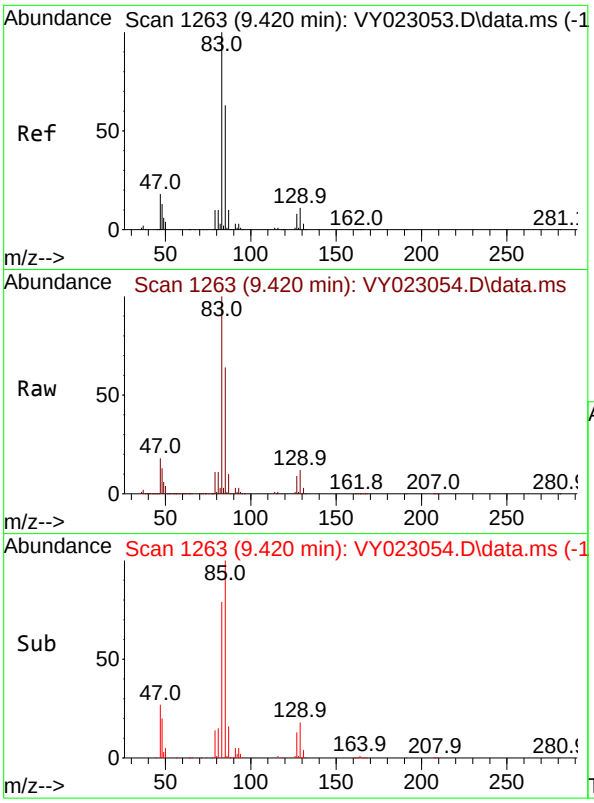


#46
Dibromomethane
Concen: 97.052 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 93 Resp: 309302

Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.5	99.7
174	101.9	81.8	122.8

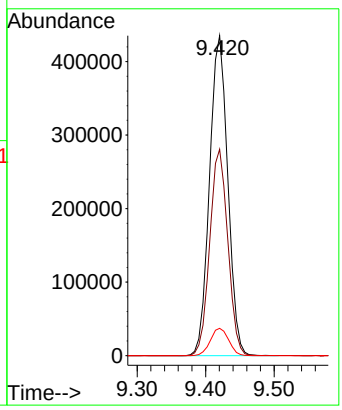




#47
Bromodichloromethane
Concen: 97.864 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 83 Resp: 80253

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.5	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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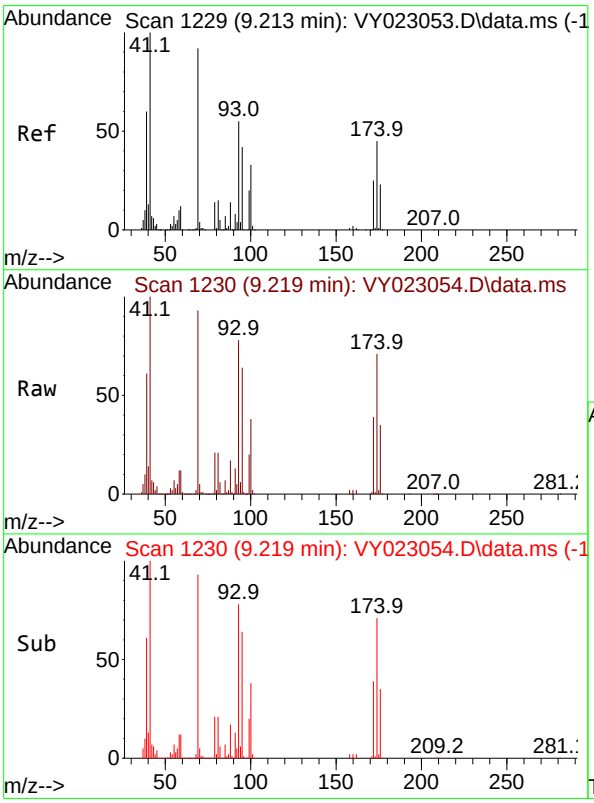
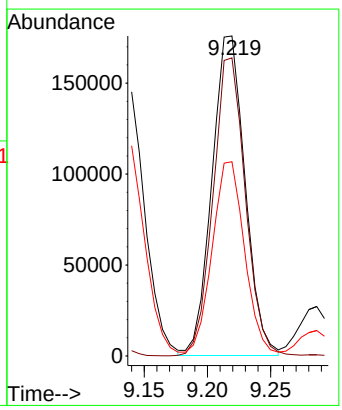
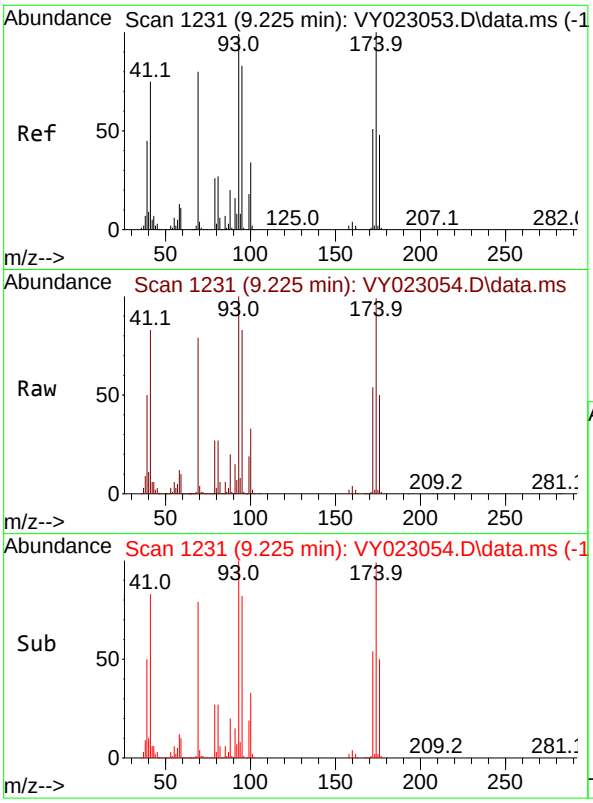


#48
Methyl methacrylate
Concen: 100.567 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 319906

Ion	Ratio	Lower	Upper
41	100		
69	91.4	73.2	109.8
39	57.6	47.0	70.4

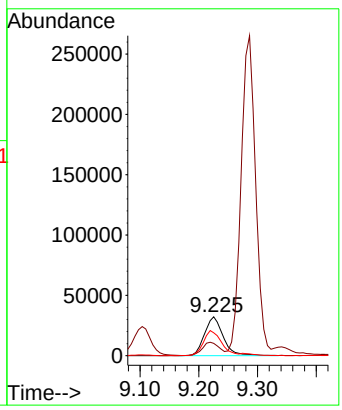




#49
1,4-Dioxane
Concen: 1908.039 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 88 Resp: 7130

Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.3	36.5
58	62.4	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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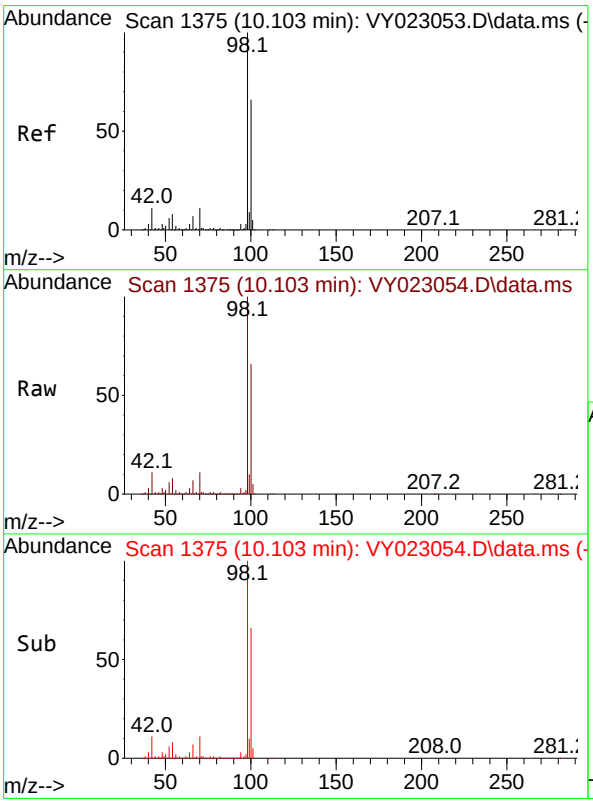
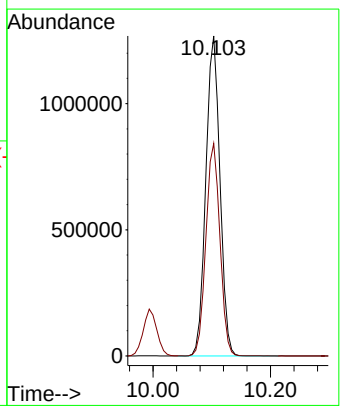
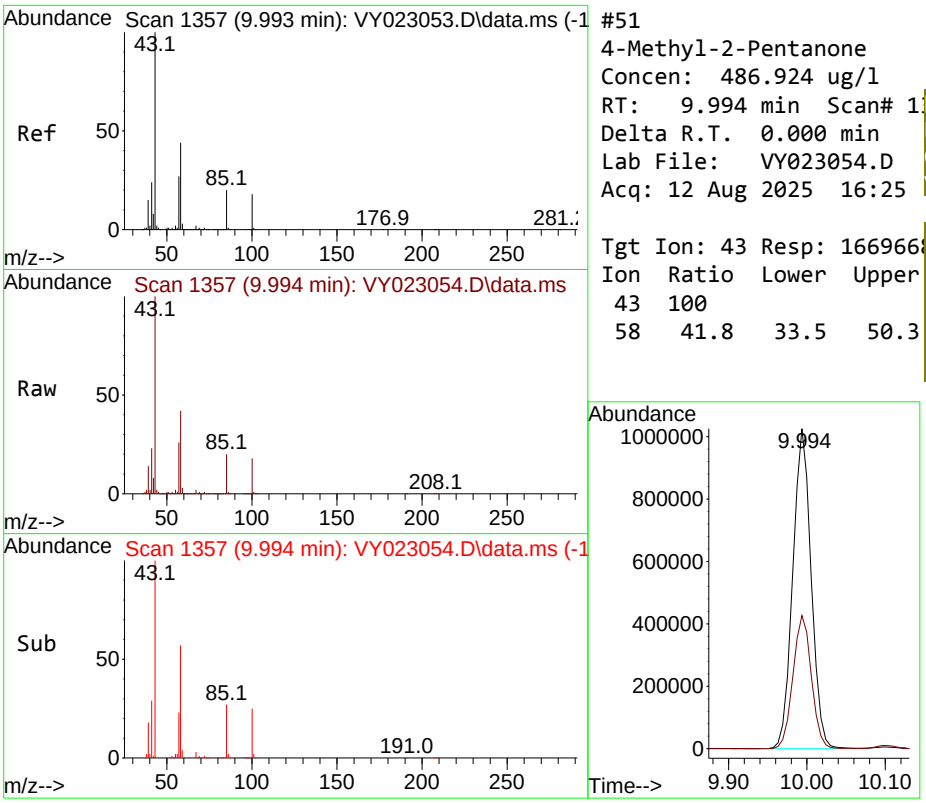


#50
Toluene-d8
Concen: 102.832 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 98 Resp: 2116445

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 486.924 ug/l
RT: 9.994 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 166966

Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.5	50.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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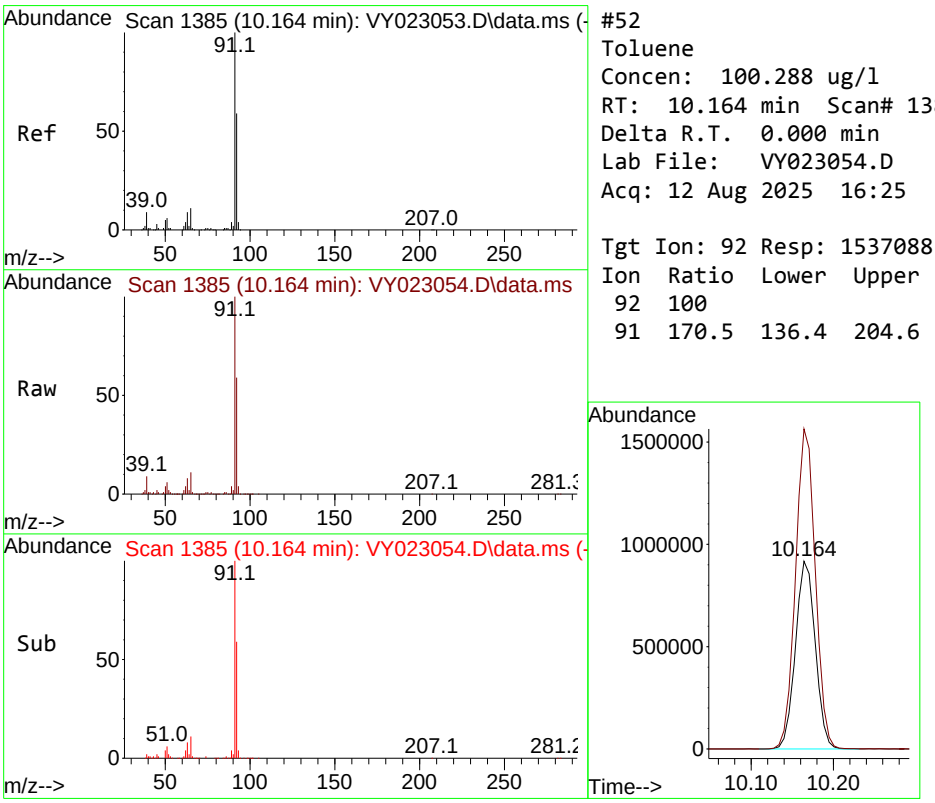
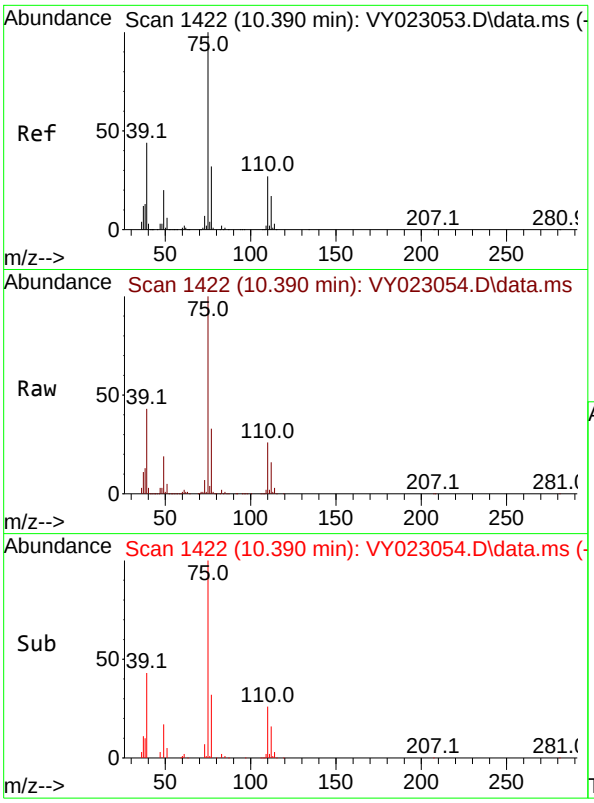


#52
Toluene
Concen: 100.288 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 92 Resp: 1537088

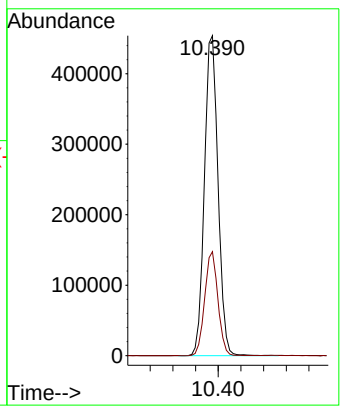
Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6



#53
t-1,3-Dichloropropene
Concen: 101.574 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 75427

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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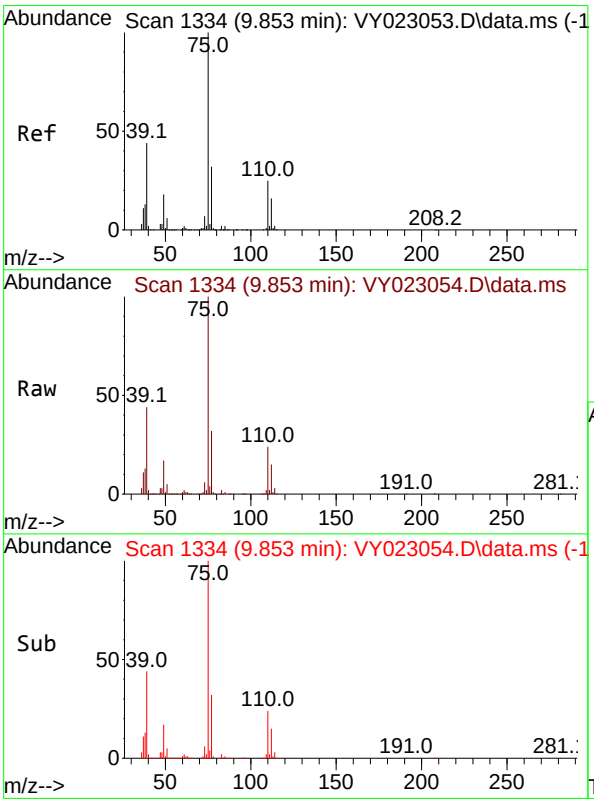
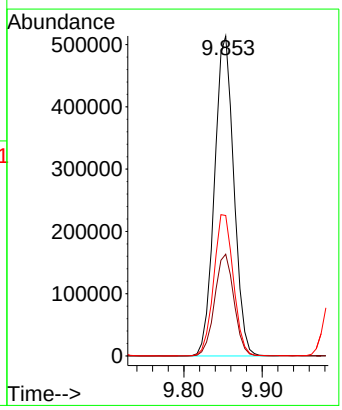
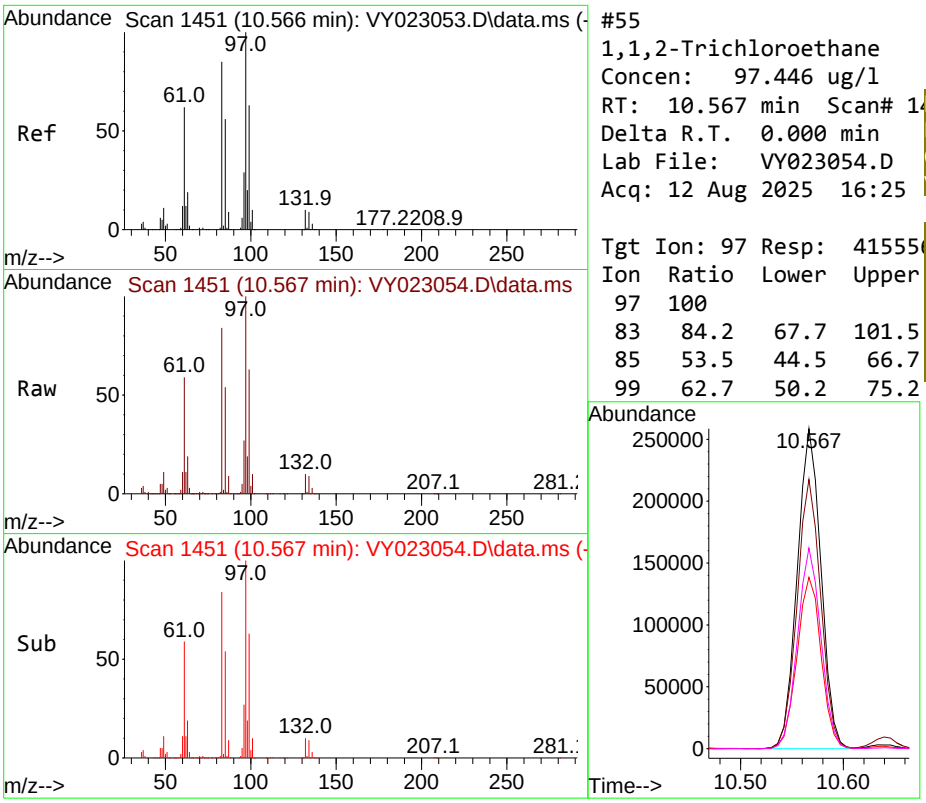


#54
cis-1,3-Dichloropropene
Concen: 100.281 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 880571

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	43.9	35.6	53.4





#55
1,1,2-Trichloroethane
Concen: 97.446 ug/l
RT: 10.567 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 97 Resp: 41555

Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.7	101.5
85	53.5	44.5	66.7
99	62.7	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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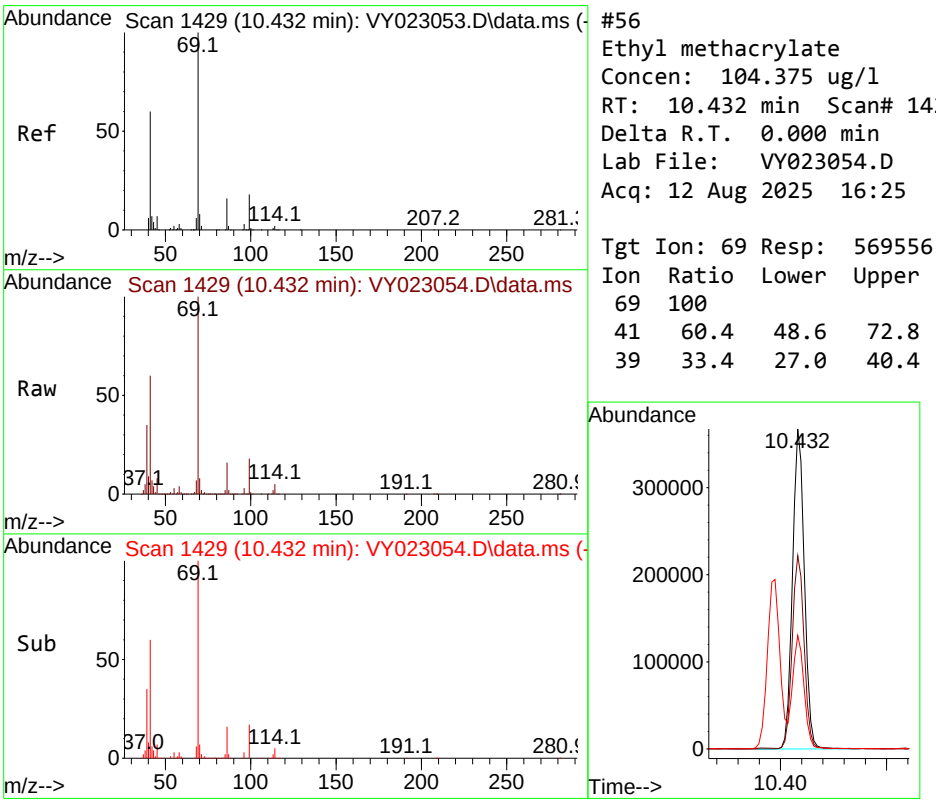
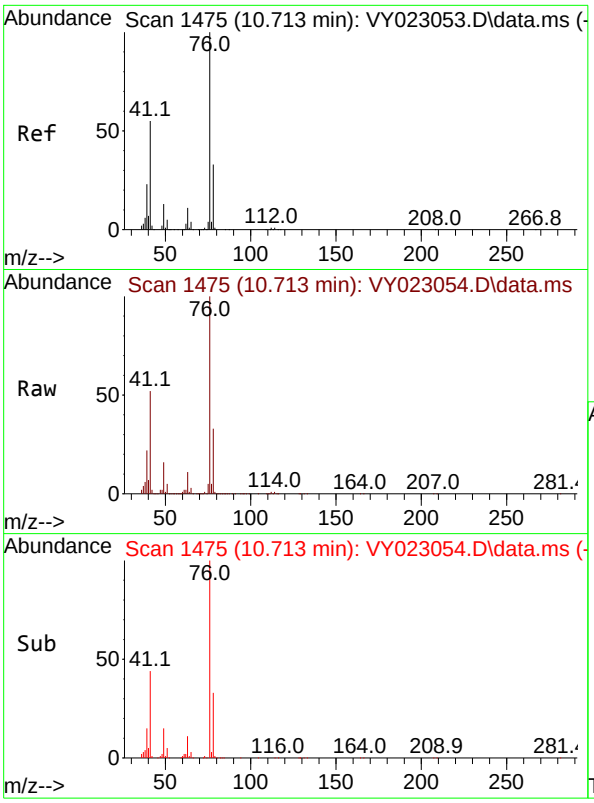


#56
Ethyl methacrylate
Concen: 104.375 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 69 Resp: 569556

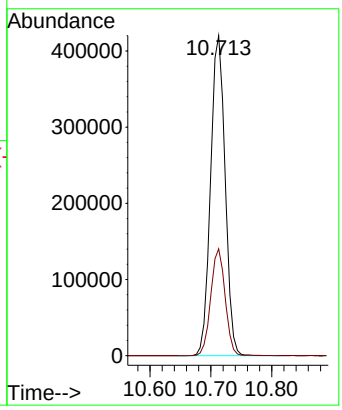
Ion	Ratio	Lower	Upper
69	100		
41	60.4	48.6	72.8
39	33.4	27.0	40.4



#57
1,3-Dichloropropane
Concen: 96.253 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 76 Resp: 69613

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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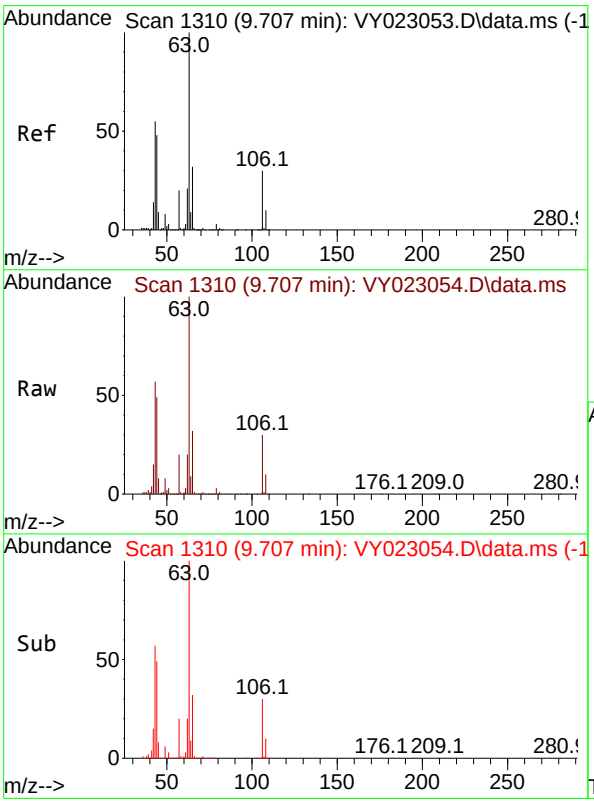
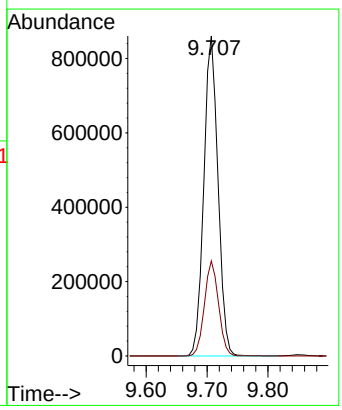
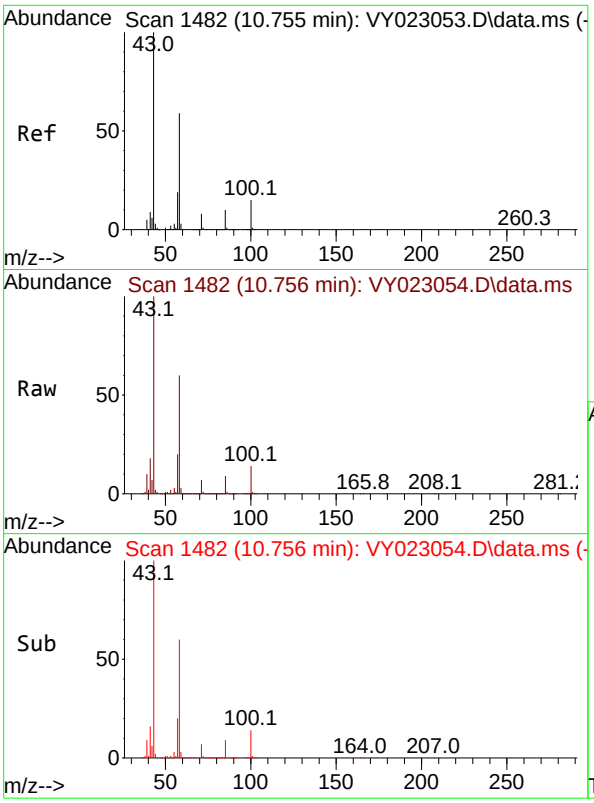


#58
2-Chloroethyl Vinyl ether
Concen: 539.957 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 63 Resp: 1389847

Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.2	34.8

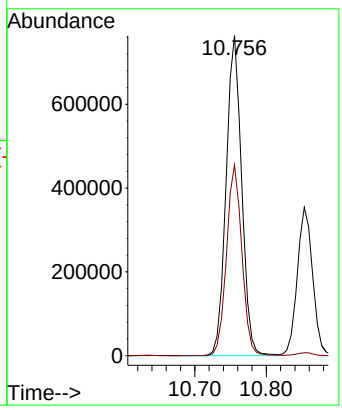




#59
2-Hexanone
Concen: 492.950 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 115100

Ion	Ratio	Lower	Upper
43	100		
58	58.9	29.5	88.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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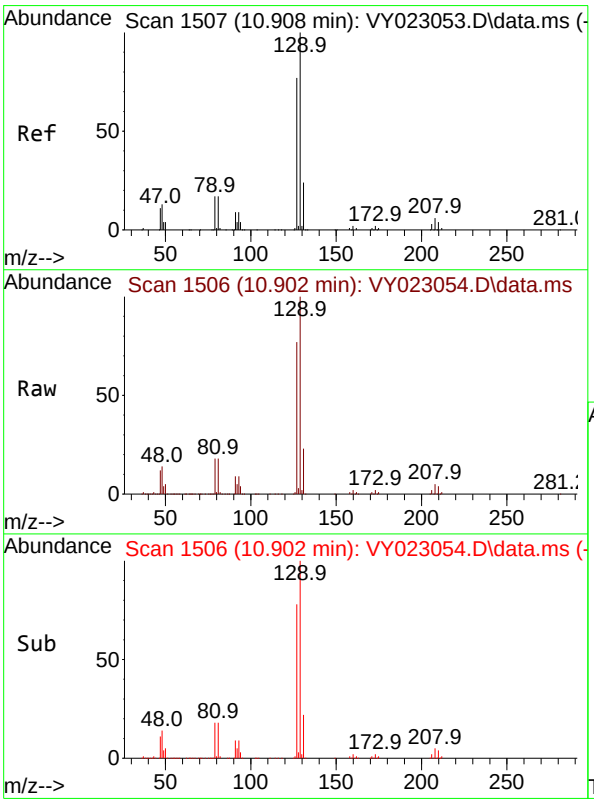
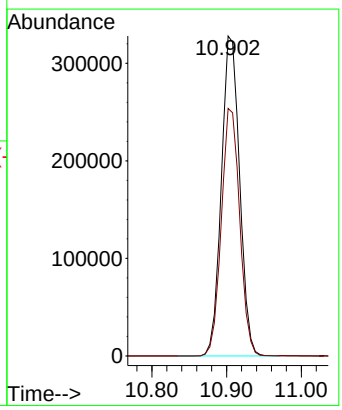
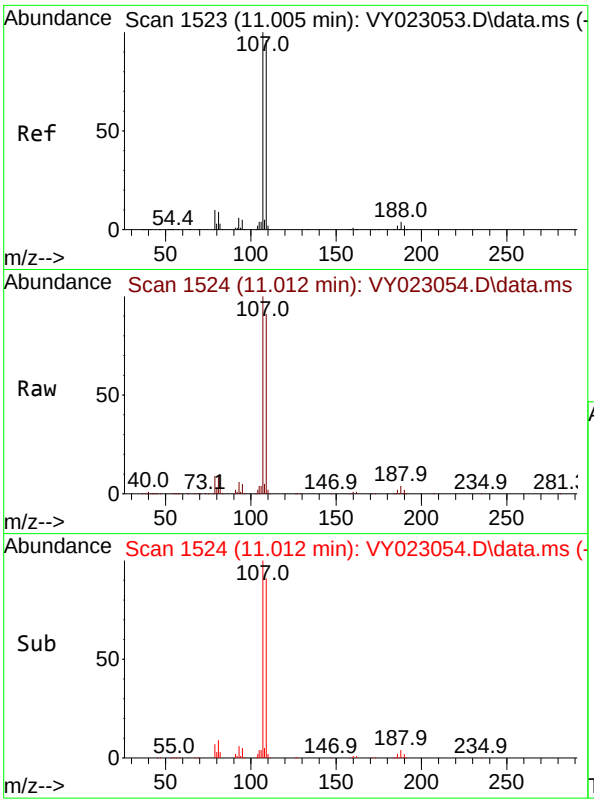


#60
Dibromochloromethane
Concen: 99.024 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:129 Resp: 557205

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5





#61
1,2-Dibromoethane
Concen: 97.713 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:107 Resp: 39165

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.6	113.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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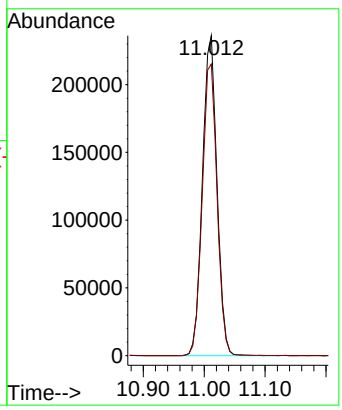
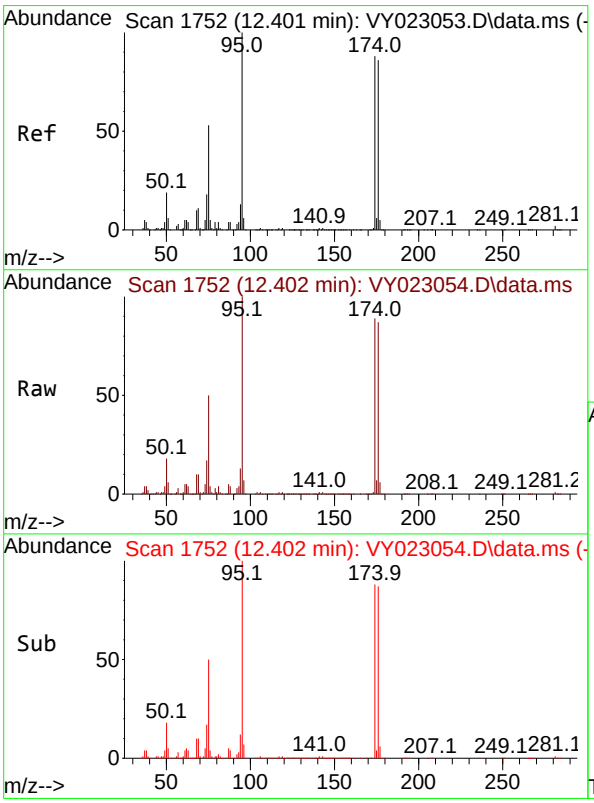
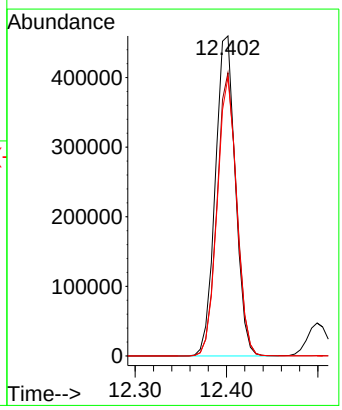


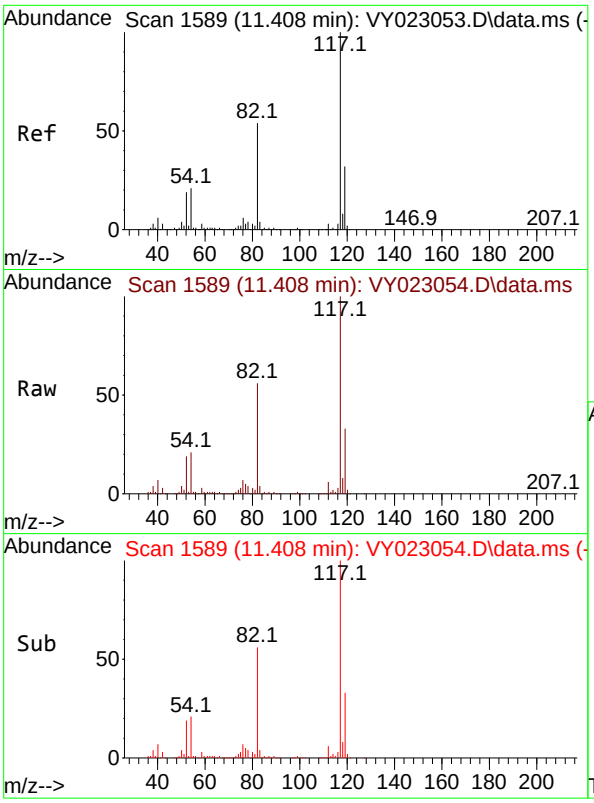


#62
4-Bromofluorobenzene
Concen: 106.147 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 95 Resp: 702583

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	171.6
176	84.8	0.0	167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:117 Resp: 78438

Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.4	65.0
119	33.0	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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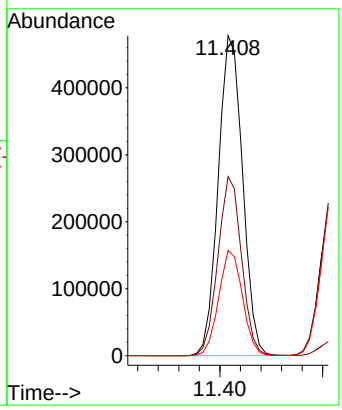
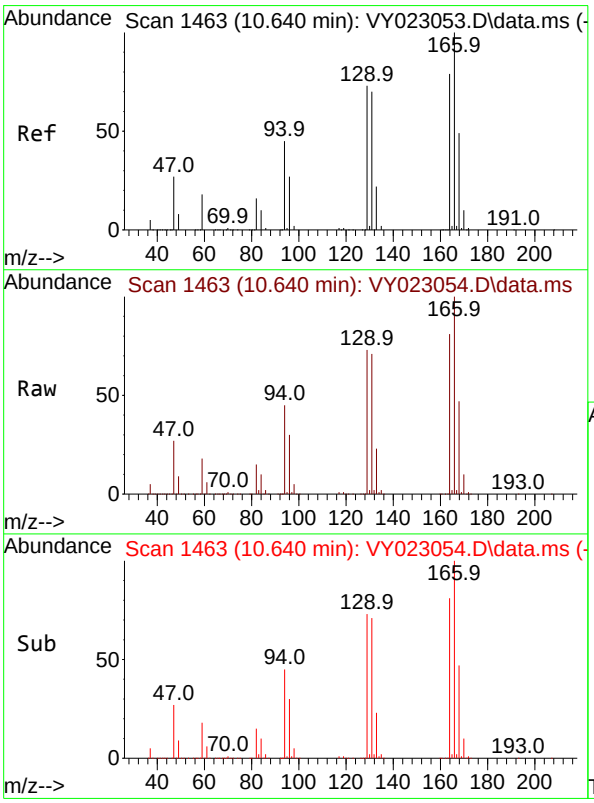
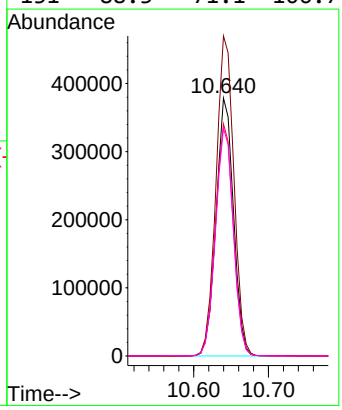


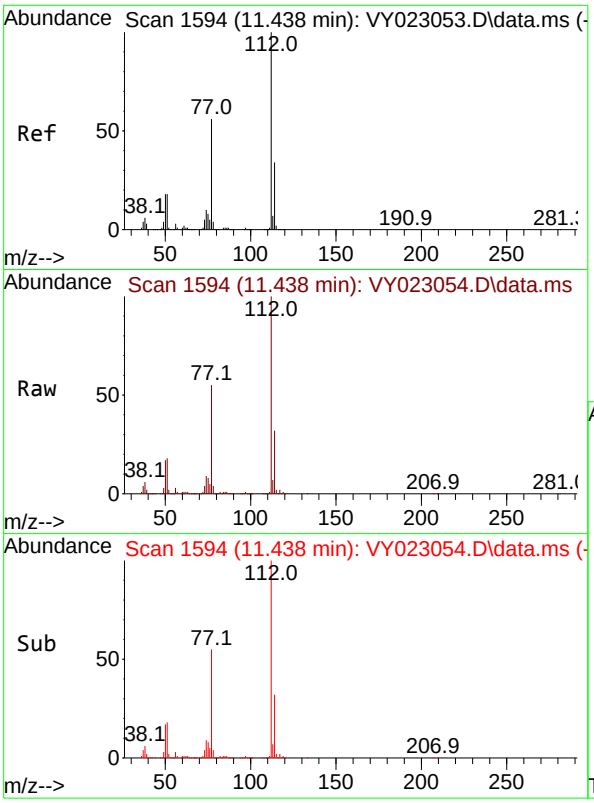


#64
Tetrachloroethene
Concen: 87.931 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:164 Resp: 615871

Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.1	151.7
129	90.0	74.0	111.0
131	88.3	71.1	106.7

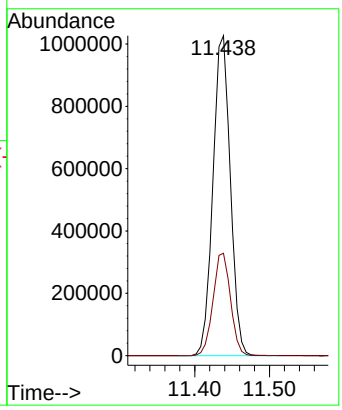




#65
Chlorobenzene
Concen: 98.004 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:112 Resp: 165815

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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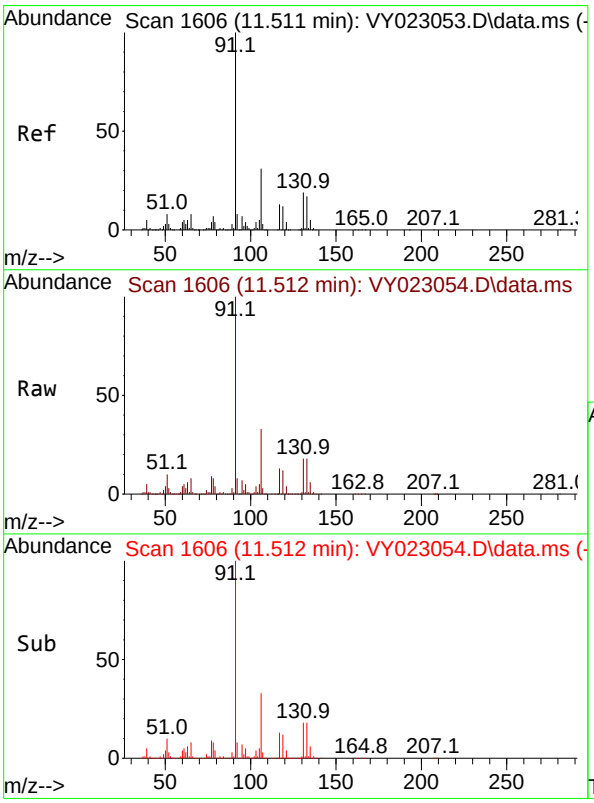
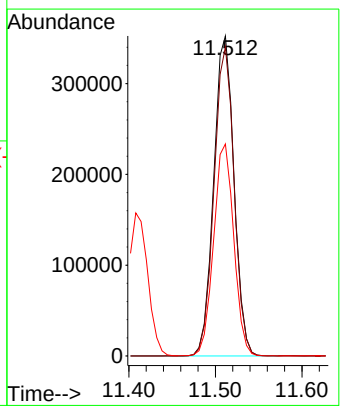
Supervised By :Semsettin Yesilyurt 08/14/2025

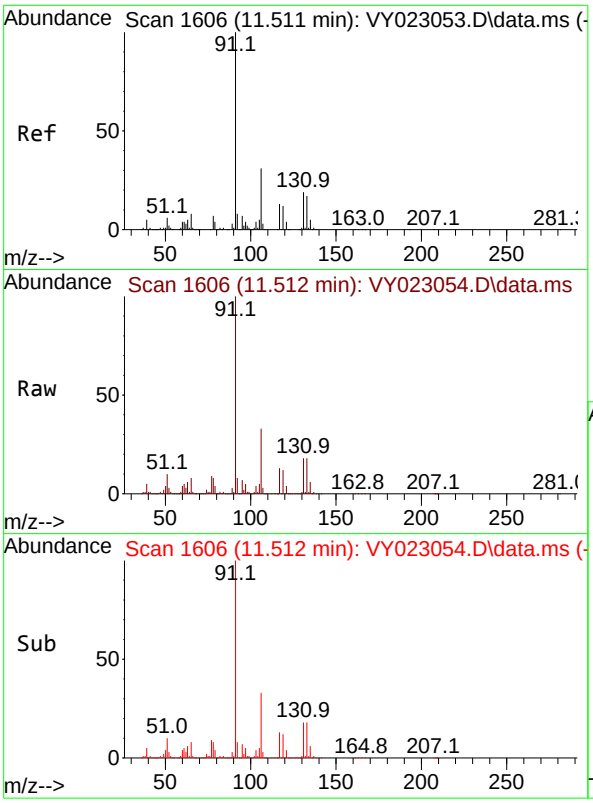


#66
1,1,1,2-Tetrachloroethane
Concen: 99.810 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:131 Resp: 573131

Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.9	140.6
119	65.9	33.2	99.6

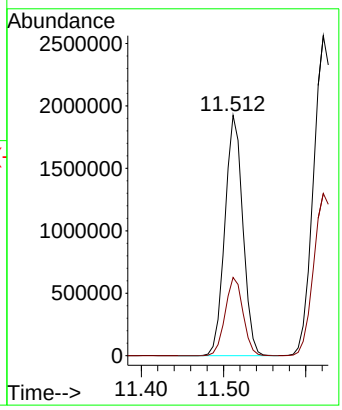




#67
Ethyl Benzene
Concen: 100.082 ug/l
RT: 11.512 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 291402(

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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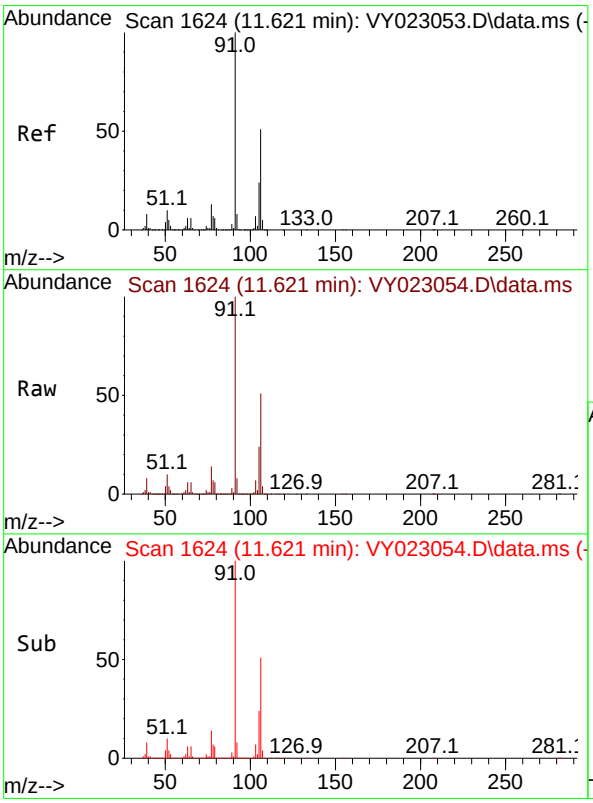
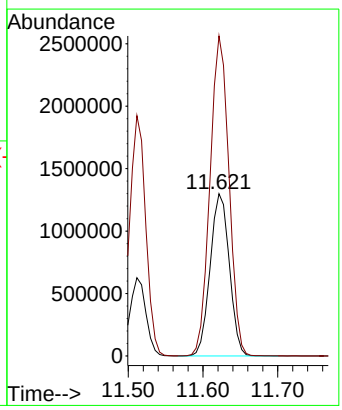
Supervised By :Semsettin Yesilyurt 08/14/2025

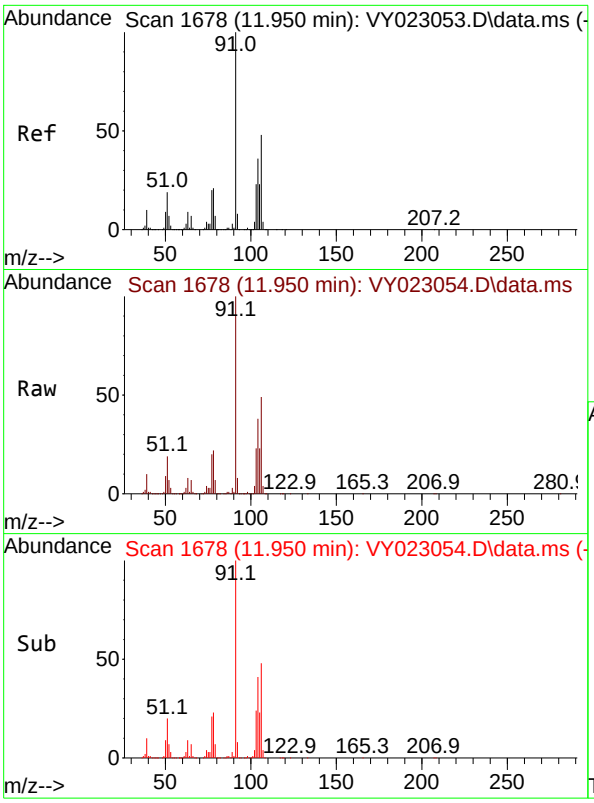


#68
m/p-Xylenes
Concen: 203.363 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:106 Resp: 2312597

Ion	Ratio	Lower	Upper
106	100		
91	195.1	158.6	238.0





#69
o-Xylene
Concen: 103.373 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:106 Resp: 110099

Ion	Ratio	Lower	Upper
106	100		
91	207.5	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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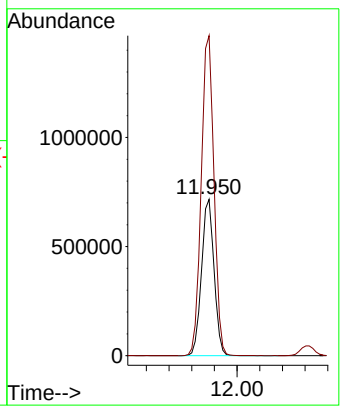
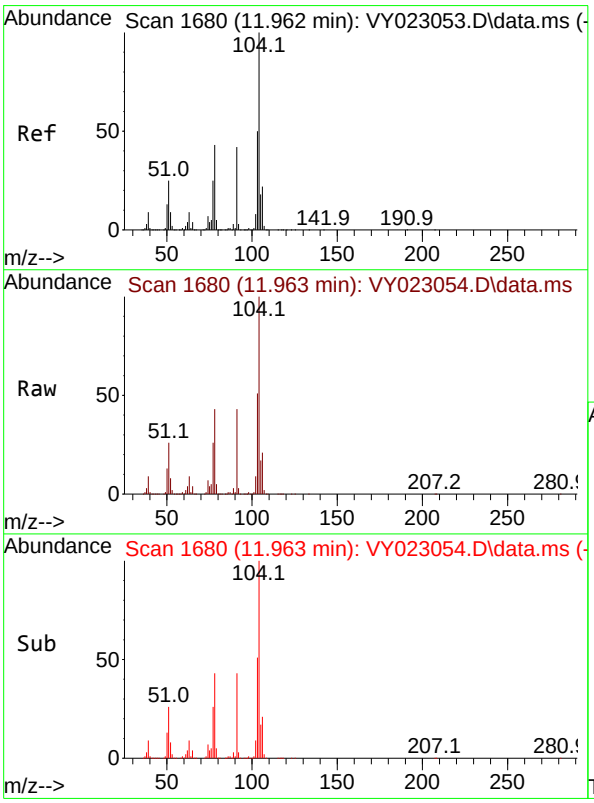
Supervised By :Semsettin Yesilyurt 08/14/2025

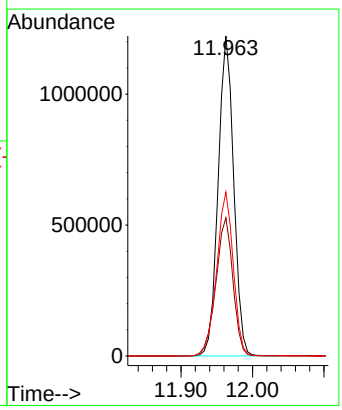


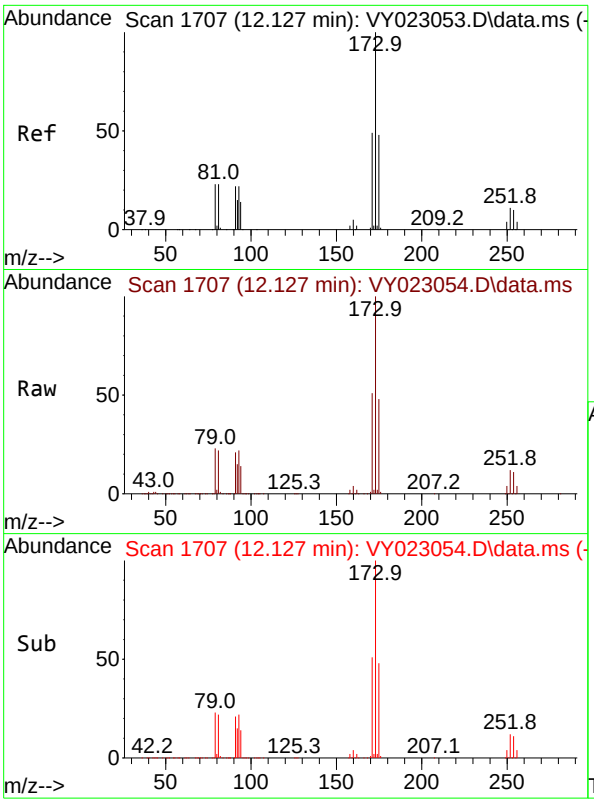


#70
Styrene
Concen: 105.953 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:104 Resp: 1845480

Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	54.9	43.7	65.5

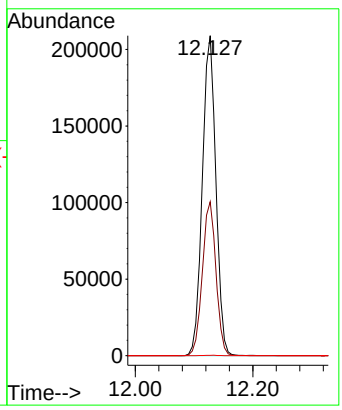




#71
Bromoform
Concen: 99.786 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:173 Resp: 33488

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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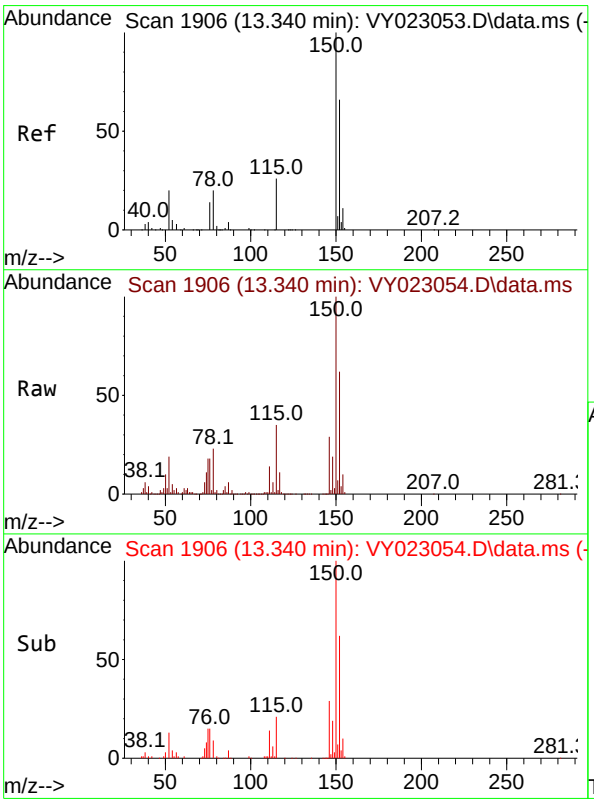
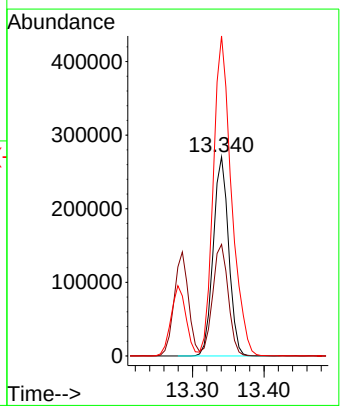
Supervised By :Semsettin Yesilyurt 08/14/2025

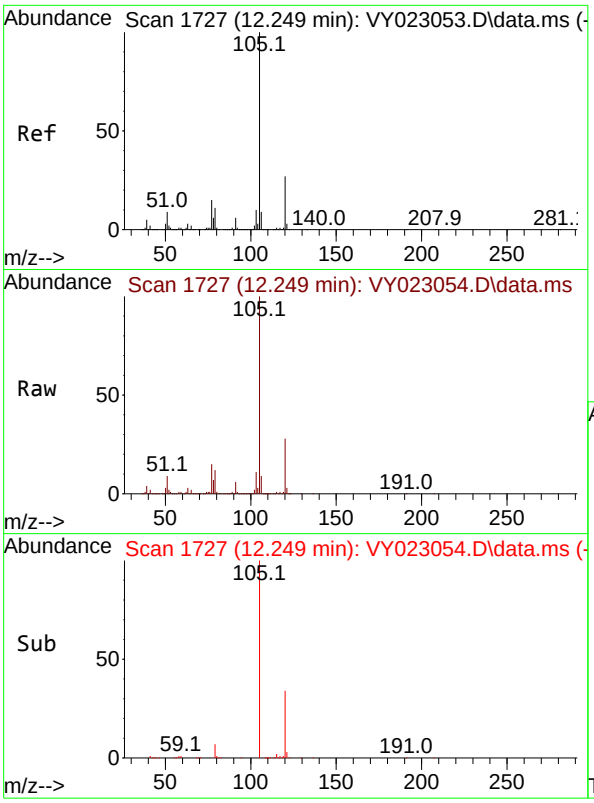


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:152 Resp: 404136

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	189.2	0.0	348.0

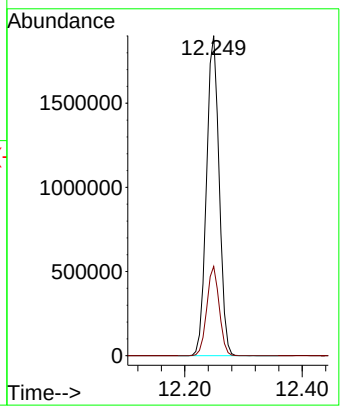




#73
Isopropylbenzene
Concen: 99.567 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 283999

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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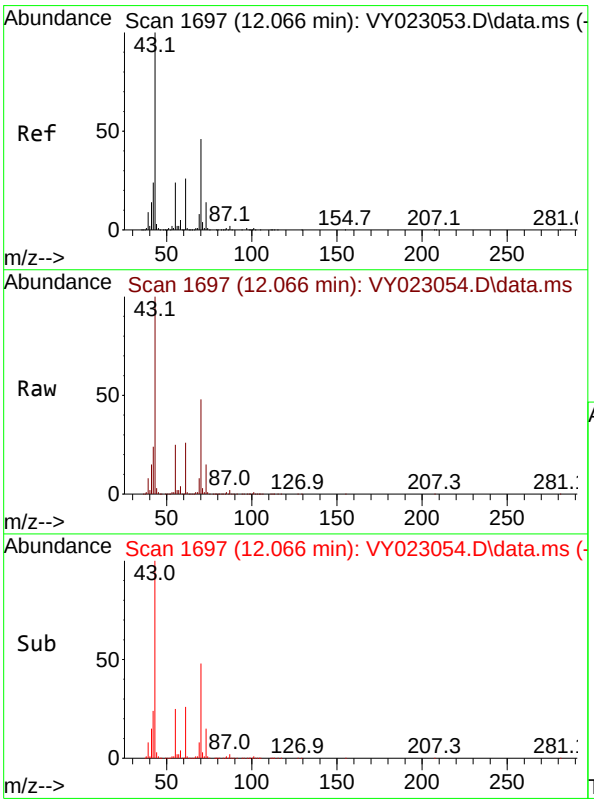
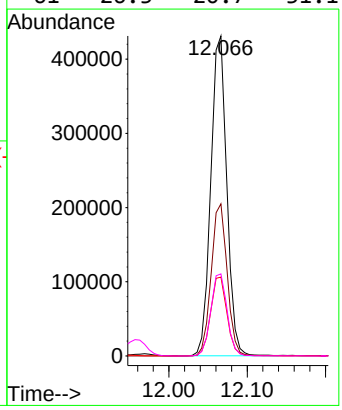
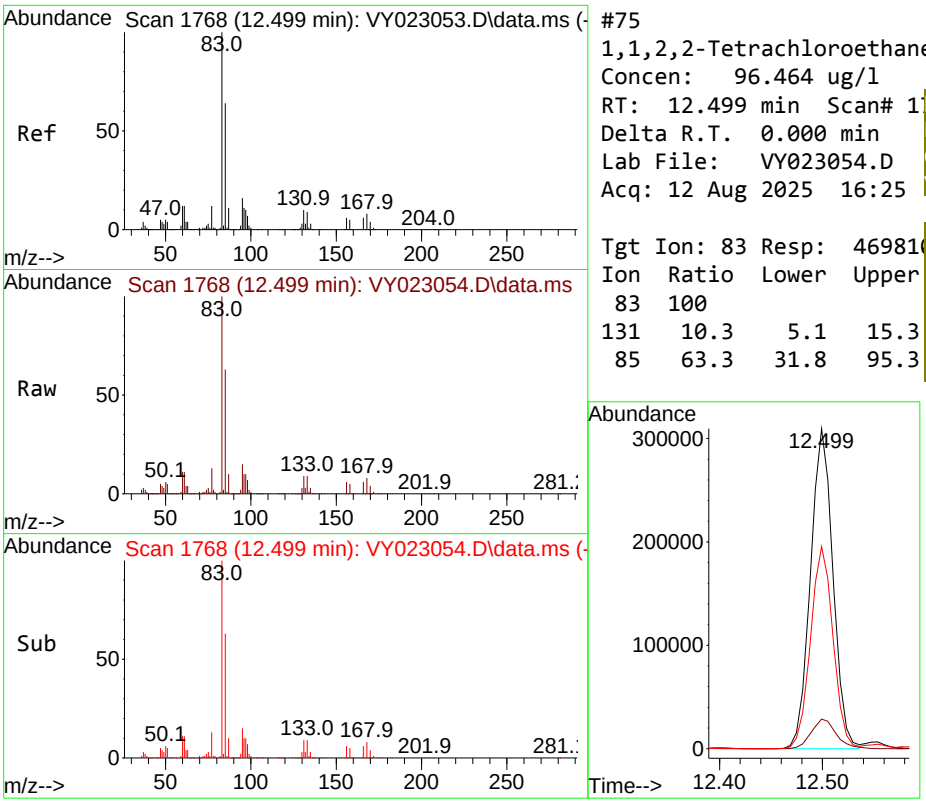


#74
N-amyl acetate
Concen: 100.955 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 610668

Ion	Ratio	Lower	Upper
43	100		
70	47.8	37.5	56.3
55	25.3	20.7	31.1
61	26.3	20.7	31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 96.464 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 83 Resp: 46981

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	63.3	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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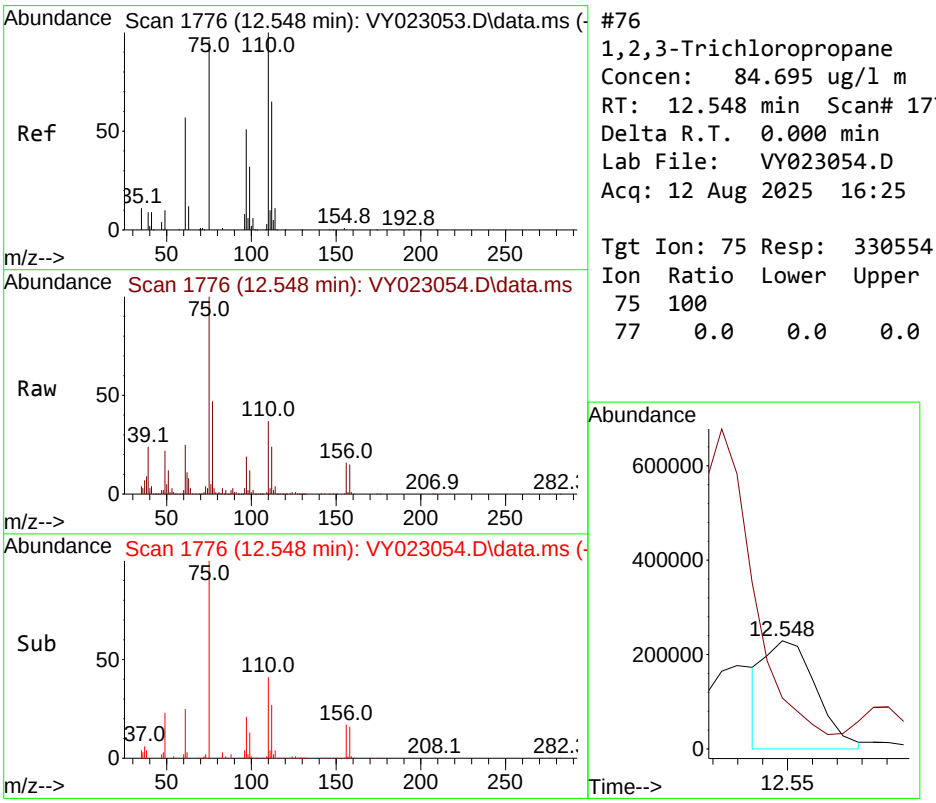
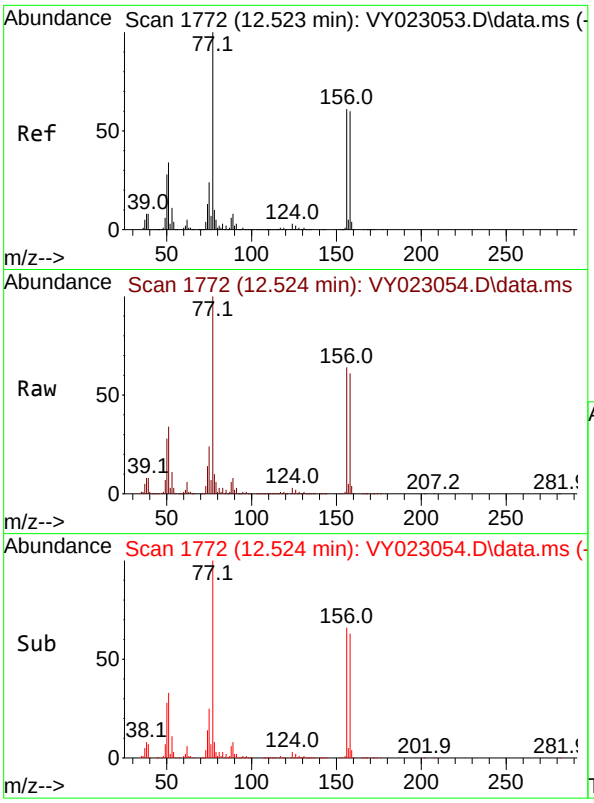
Supervised By :Semsettin Yesilyurt 08/14/2025



#76
1,2,3-Trichloropropane
Concen: 84.695 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 330554

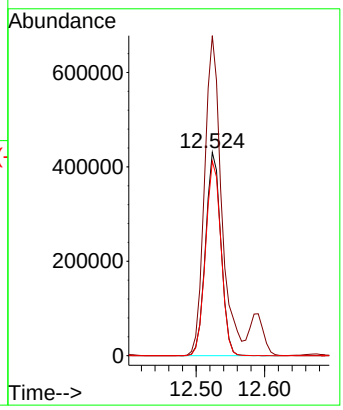
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 98.655 ug/l
RT: 12.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:156 Resp: 67132

Ion	Ratio	Lower	Upper
156	100		
77	172.8	88.1	264.4
158	96.5	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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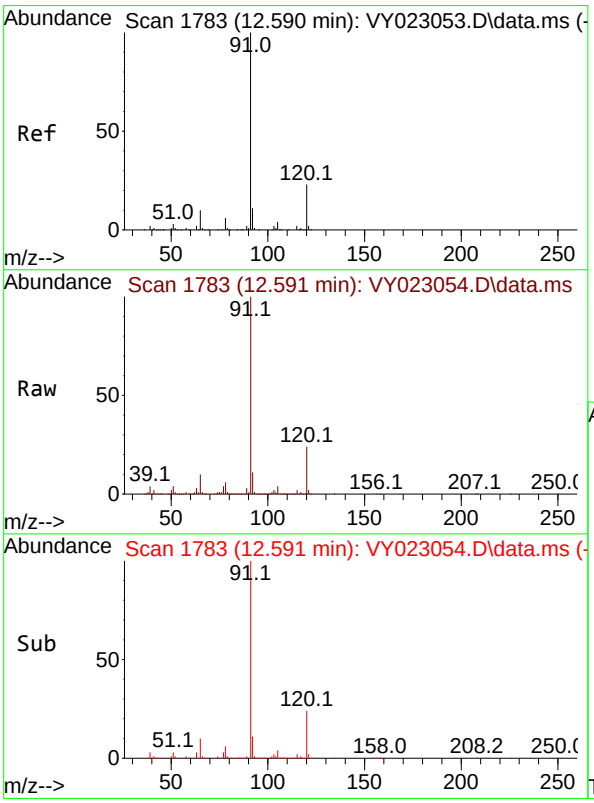
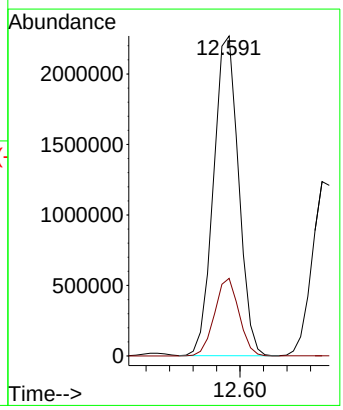
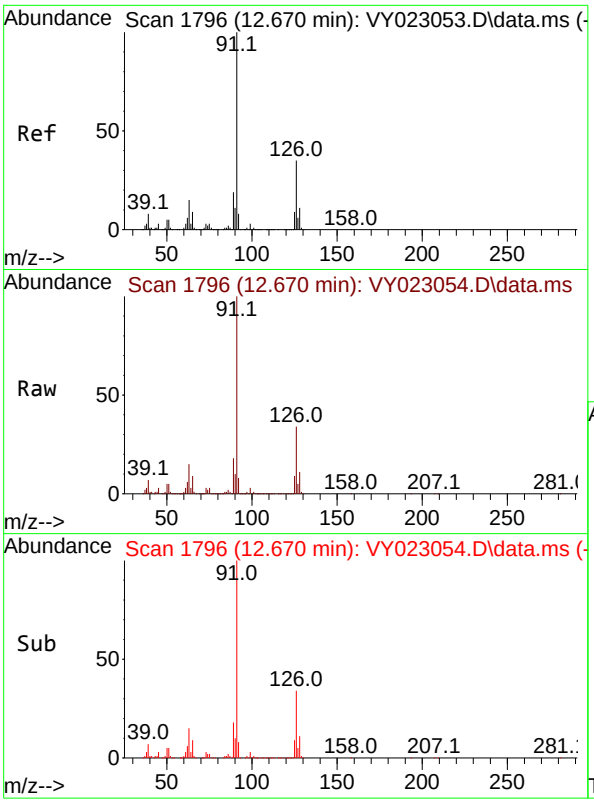


#78
n-propylbenzene
Concen: 98.963 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 3360679

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.5	34.5





#79
2-Chlorotoluene
Concen: 99.268 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 193146

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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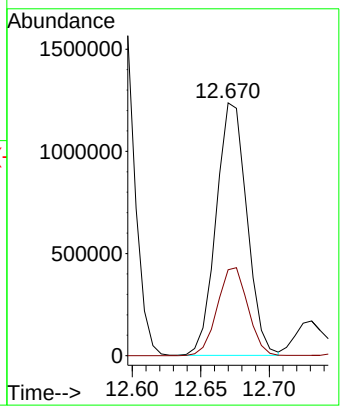
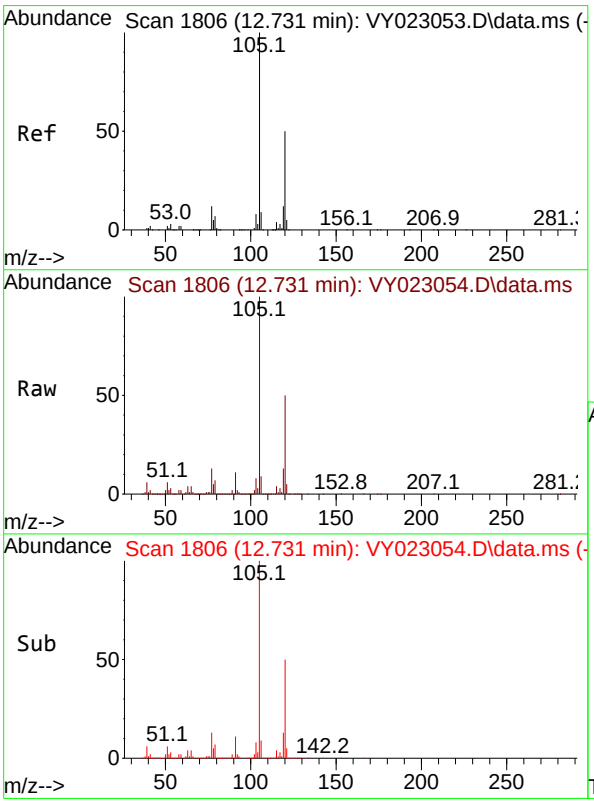
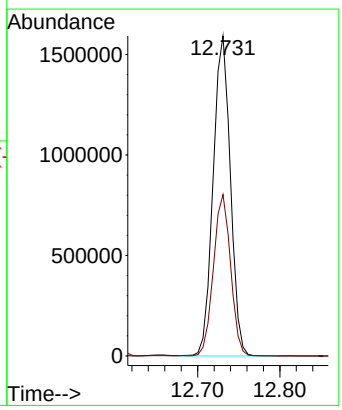


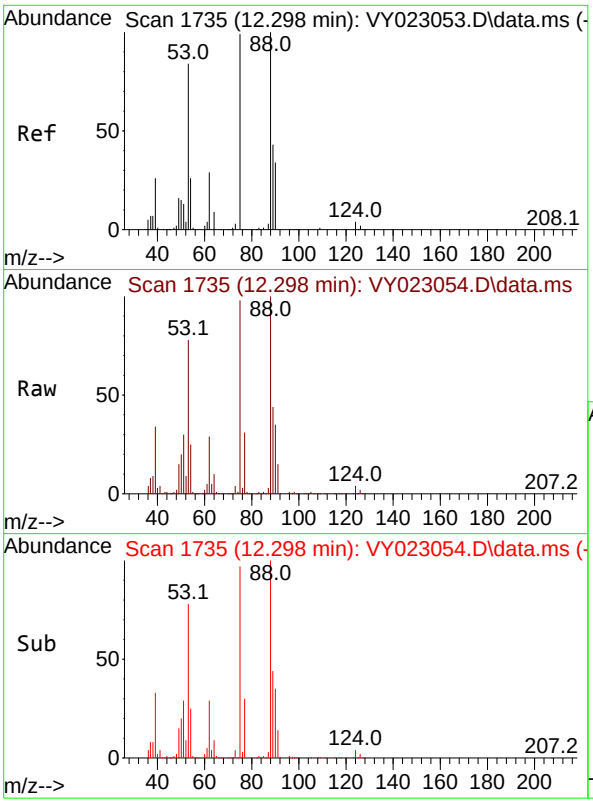


#80
1,3,5-Trimethylbenzene
Concen: 100.707 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 2321527

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 95.118 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 15326

Ion	Ratio	Lower	Upper
75	100		
53	88.4	70.8	106.2
89	47.0	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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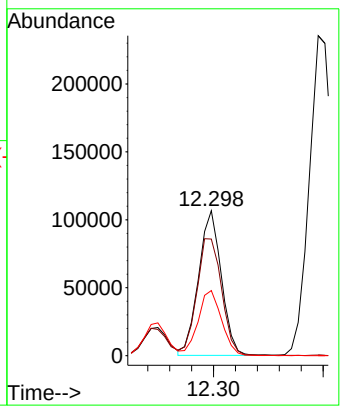
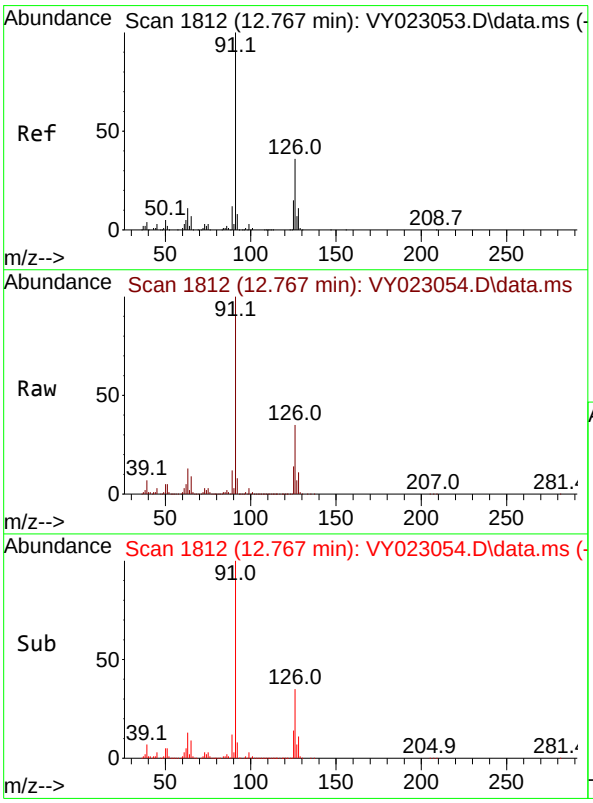
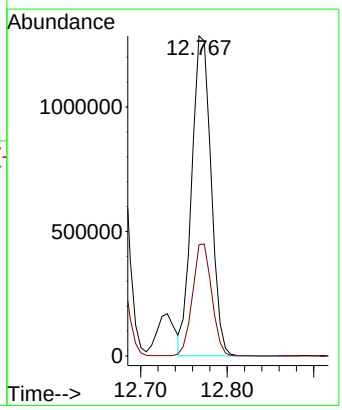


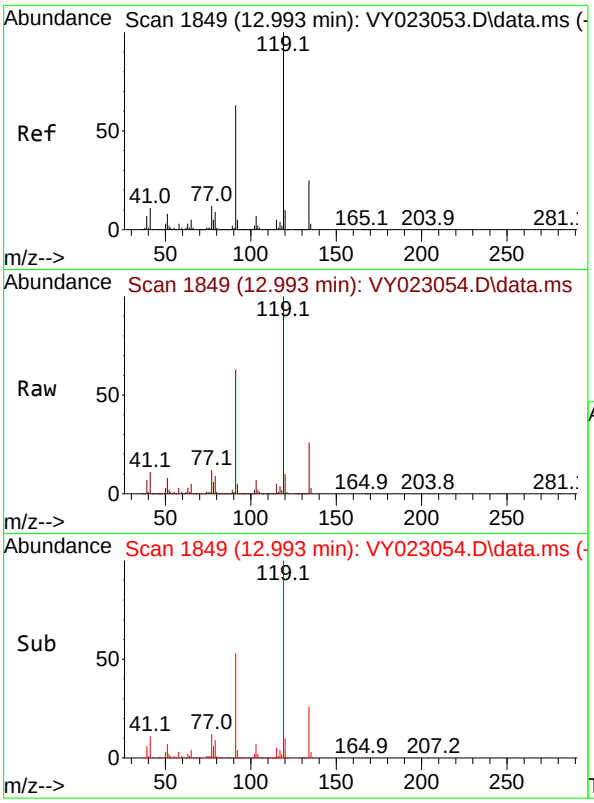


#82
4-Chlorotoluene
Concen: 98.519 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 1988544

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	52.0





#83
tert-Butylbenzene
Concen: 102.102 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:119 Resp: 212578

Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.6	94.8
134	26.2	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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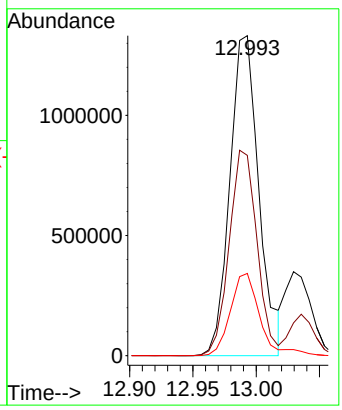
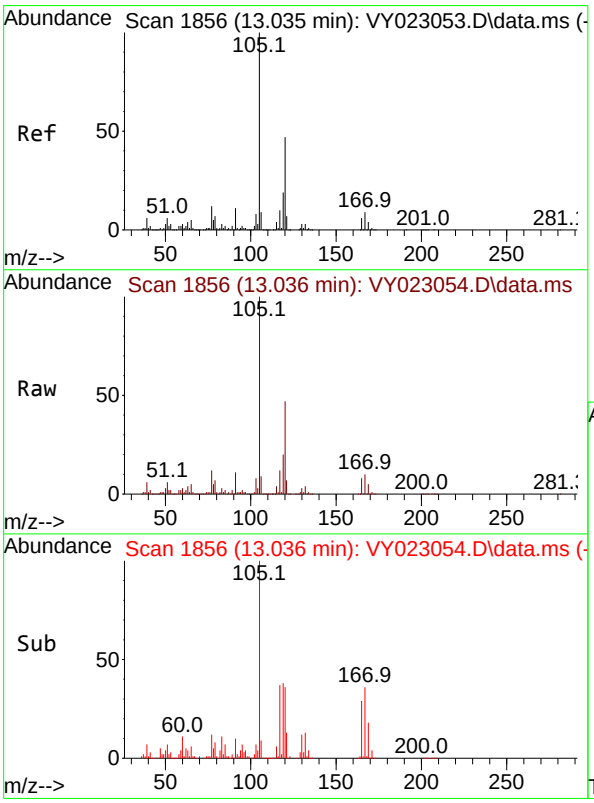
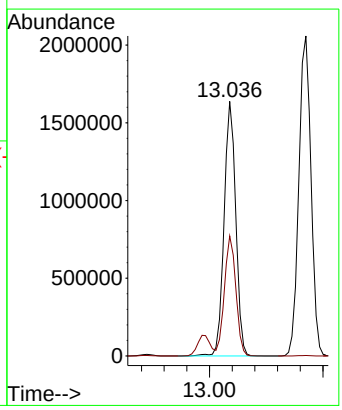


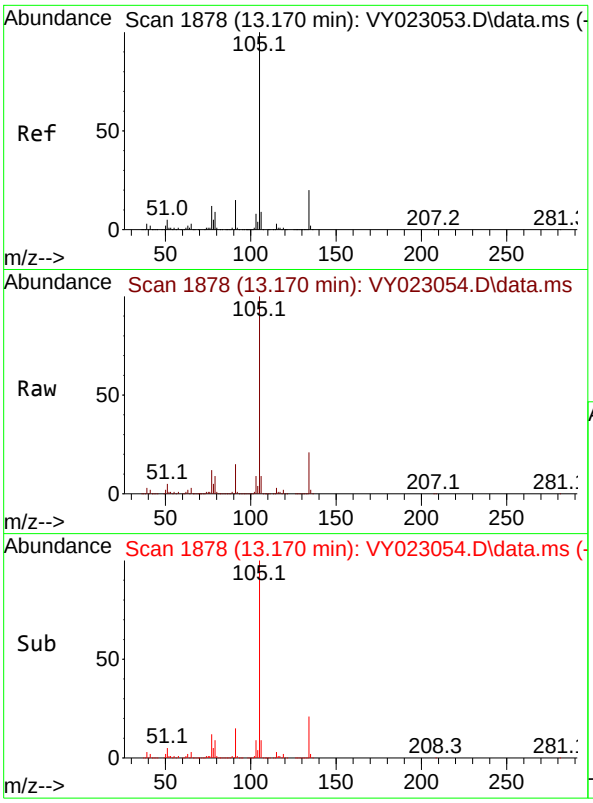


#84
1,2,4-Trimethylbenzene
Concen: 101.946 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 2339432

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0

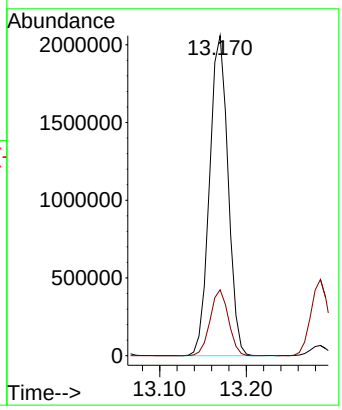




#85
sec-Butylbenzene
Concen: 99.932 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 305637

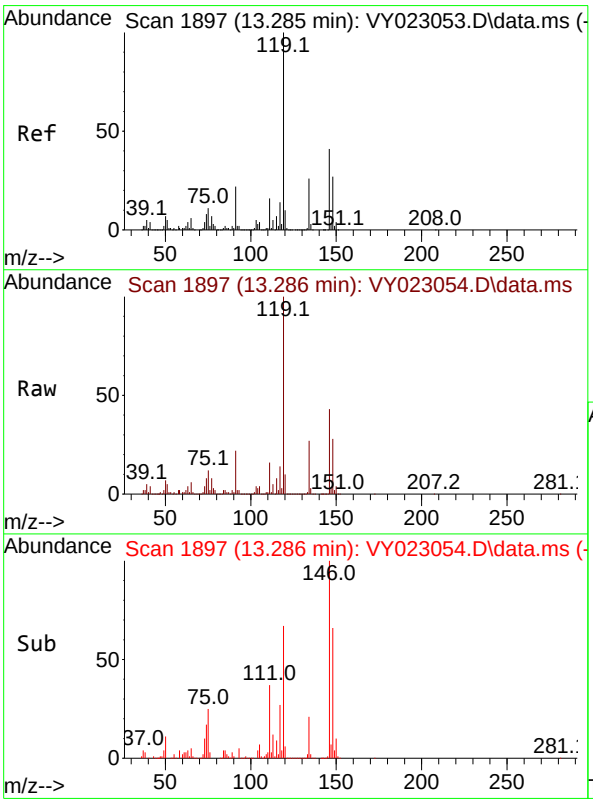
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

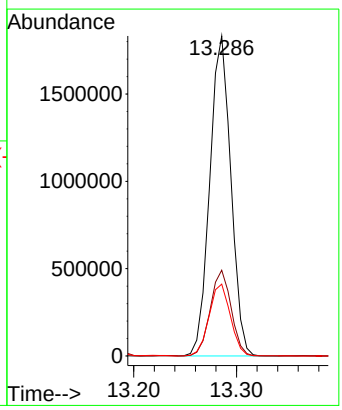
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

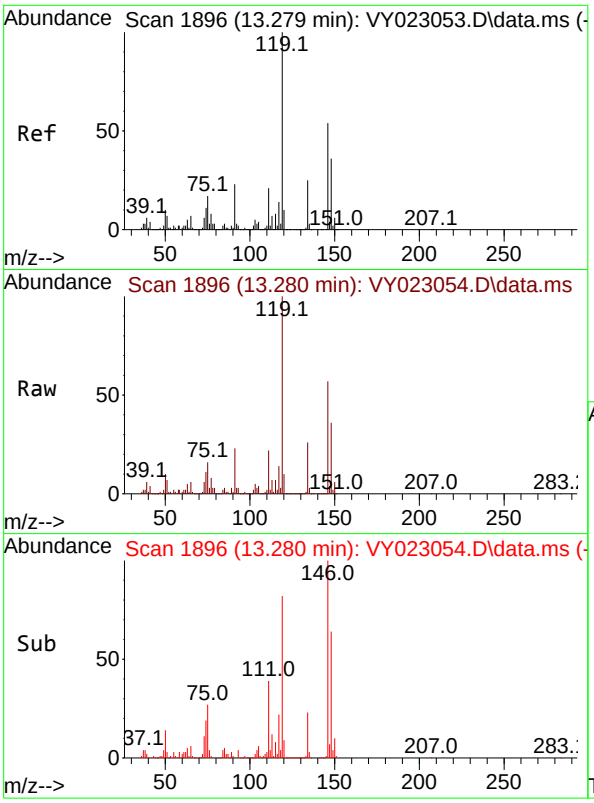


#86
p-Isopropyltoluene
Concen: 102.846 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:119 Resp: 2610936

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	22.7	11.3	33.8

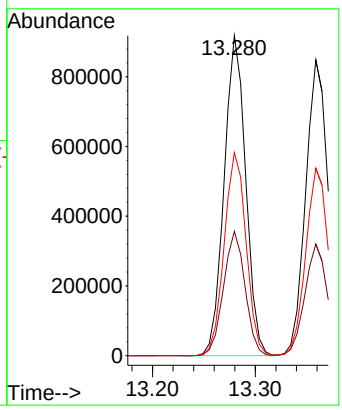




#87
1,3-Dichlorobenzene
Concen: 99.748 ug/l
RT: 13.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:146 Resp: 133854

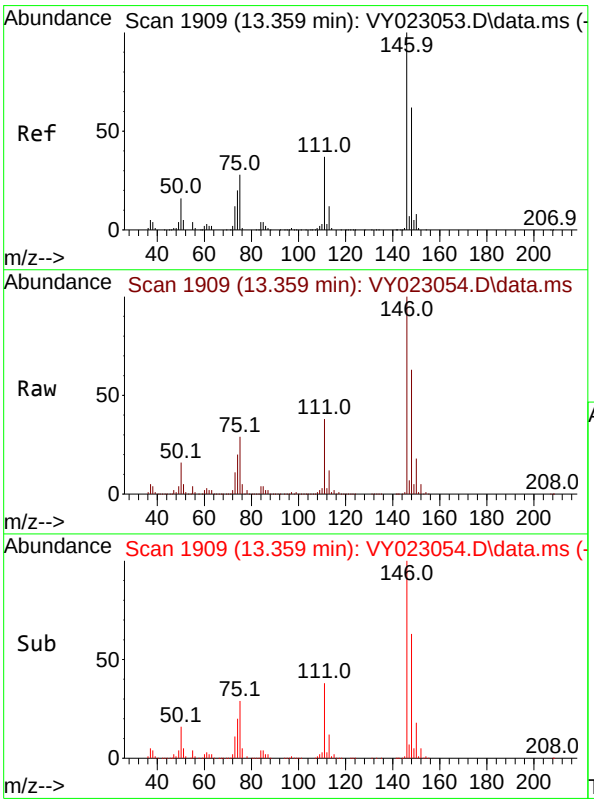
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	64.5	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

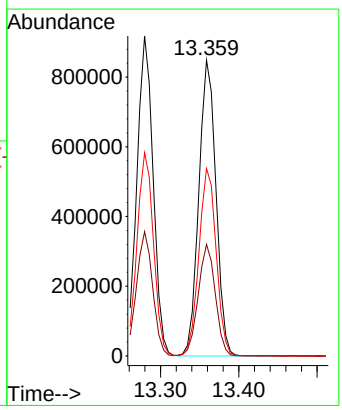
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

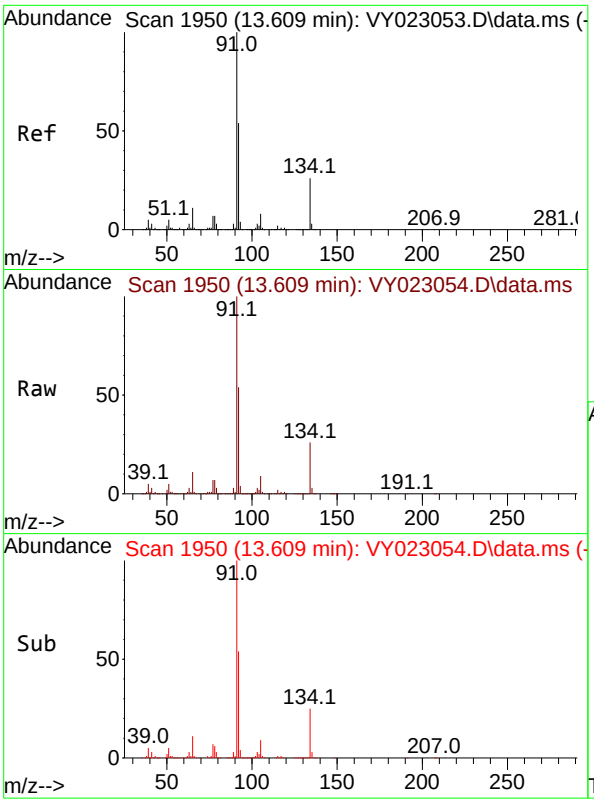


#88
1,4-Dichlorobenzene
Concen: 96.970 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:146 Resp: 1290840

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	63.7	31.6	94.7

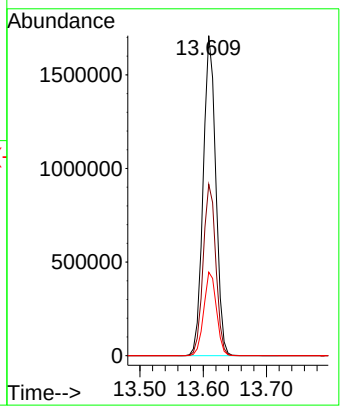




#89
n-Butylbenzene
Concen: 101.675 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 237070

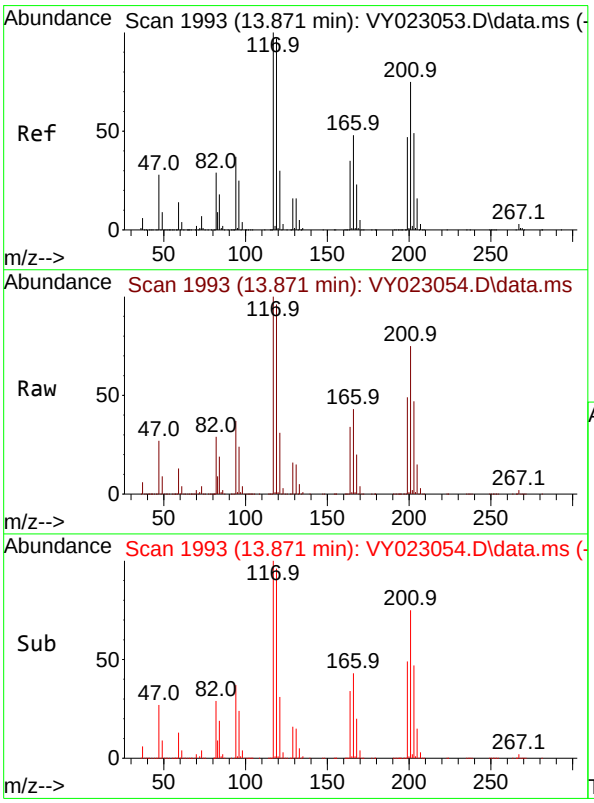
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.7
134	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

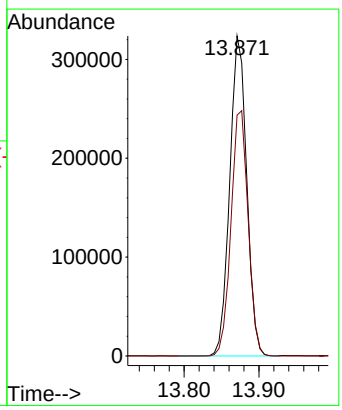
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

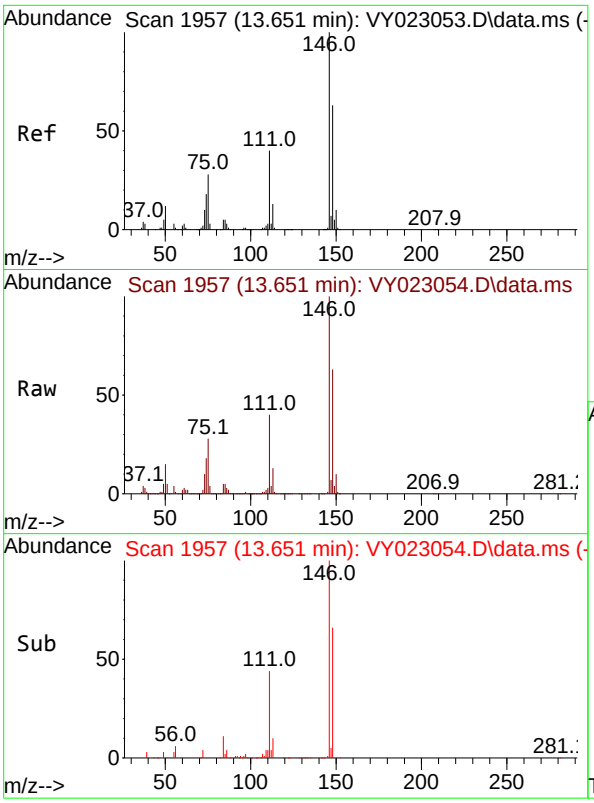


#90
Hexachloroethane
Concen: 98.308 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:117 Resp: 510900

Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.4	115.1

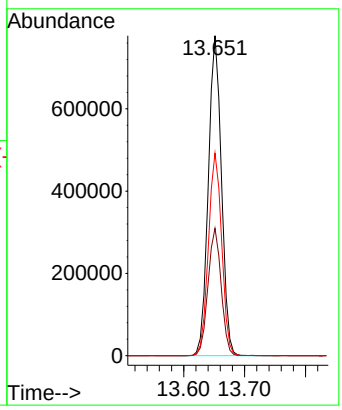




#91
1,2-Dichlorobenzene
Concen: 98.749 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:146 Resp: 116215

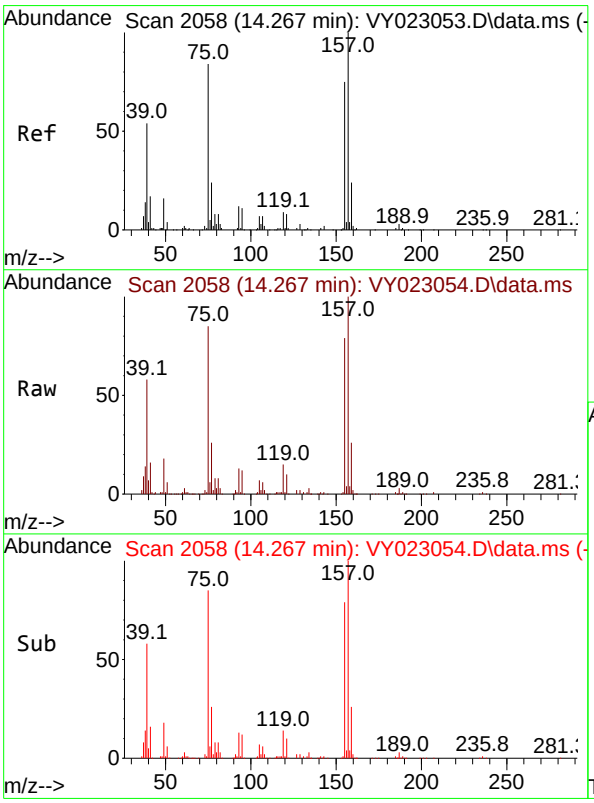
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.9	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

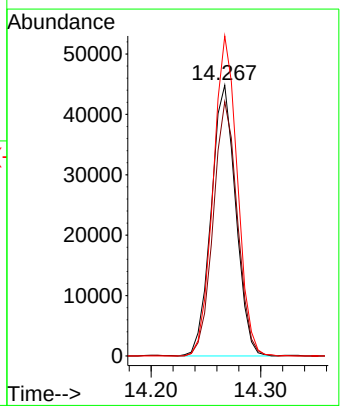
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

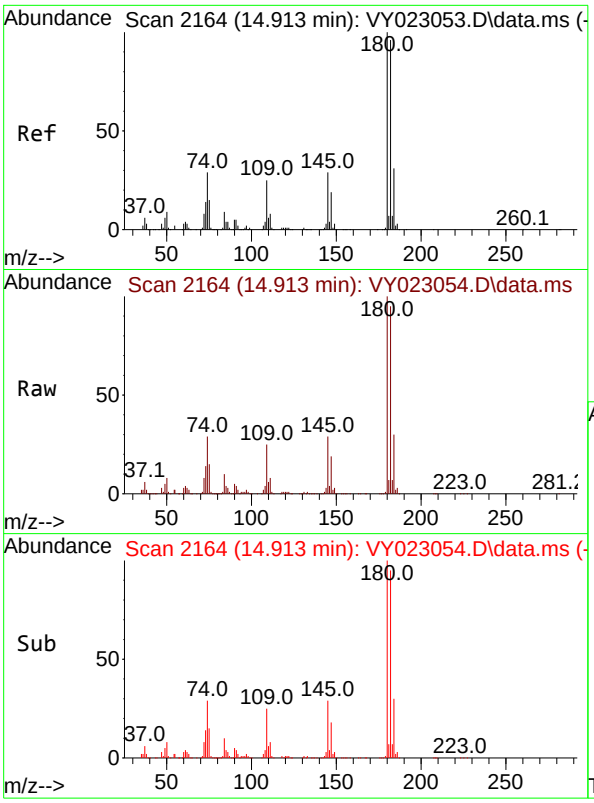


#92
1,2-Dibromo-3-Chloropropane
Concen: 91.965 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 69736

Ion	Ratio	Lower	Upper
75	100		
155	92.1	43.9	131.6
157	116.2	57.2	171.6





#93
1,2,4-Trichlorobenzene
Concen: 99.460 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

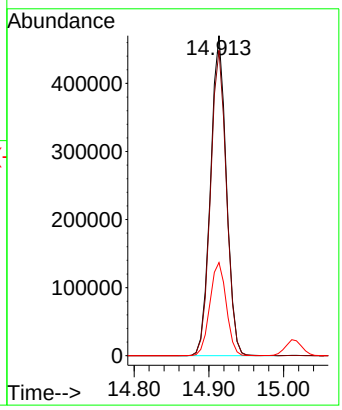
Tgt Ion:180 Resp: 69220

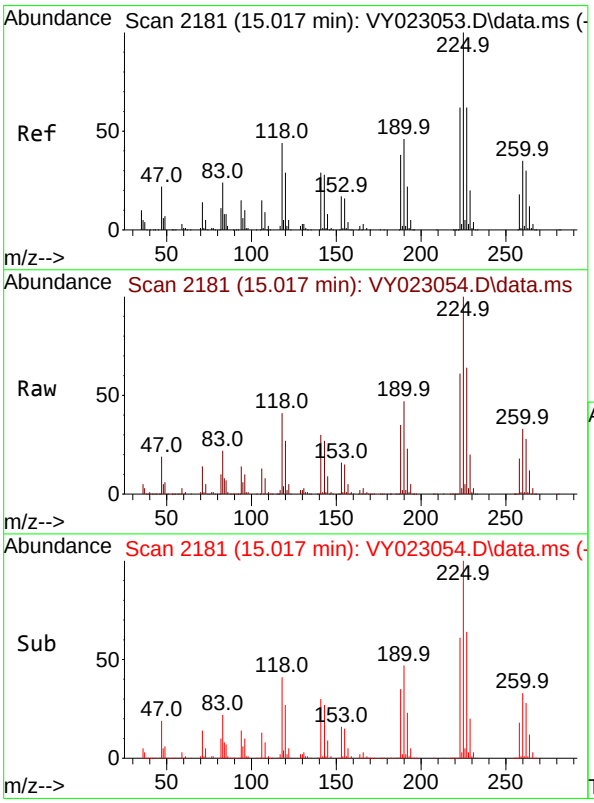
Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.8	140.4
145	30.1	14.4	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

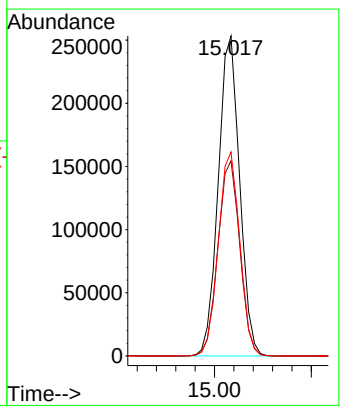


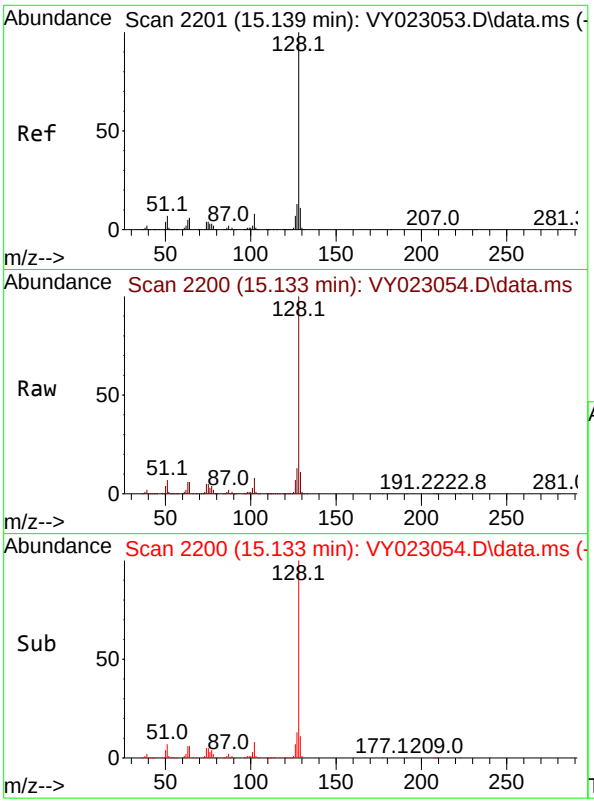


#94
Hexachlorobutadiene
Concen: 94.803 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:225 Resp: 387707

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	64.2	31.5	94.5

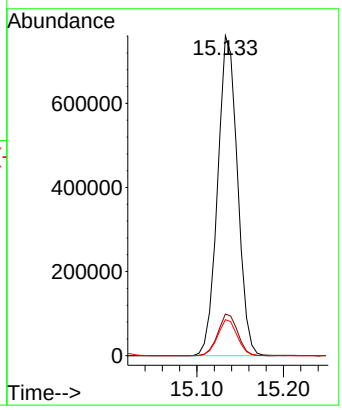




#95
Naphthalene
Concen: 102.147 ug/l
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:128 Resp: 121222

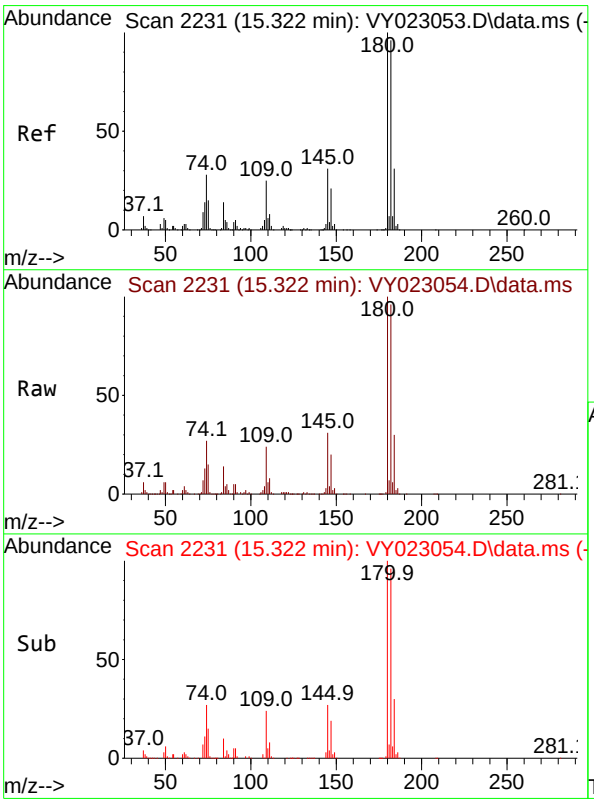
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

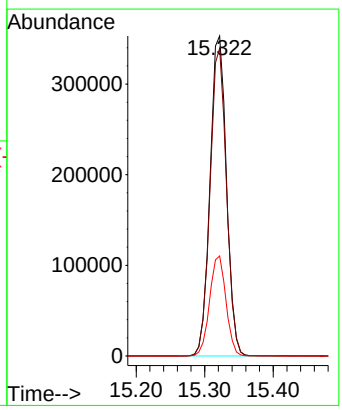
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 98.046 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:180 Resp: 587990

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	538712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	844092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	756365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	389949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	746936	145.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.960%#			
35) Dibromofluoromethane	7.628	113	771944	152.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.680%#			
50) Toluene-d8	10.103	98	3003834	152.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 304.480%#			
62) 4-Bromofluorobenzene	12.402	95	998318	157.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 314.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	571723	130.017	ug/l	98
3) Chloromethane	2.062	50	991215	139.173	ug/l	99
4) Vinyl Chloride	2.202	62	1238646	140.692	ug/l	99
5) Bromomethane	2.580	94	938717	142.770	ug/l	100
6) Chloroethane	2.720	64	834547	142.581	ug/l	100
7) Trichlorofluoromethane	3.043	101	1574213	147.051	ug/l	99
8) Diethyl Ether	3.446	74	426242	150.496	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.806	101	763053	144.479	ug/l	99
10) Methyl Iodide	3.995	142	909378	159.567	ug/l	100
11) Tert butyl alcohol	4.860	59	265243	753.967	ug/l	100
12) 1,1-Dichloroethene	3.781	96	768098	147.960	ug/l	95
13) Acrolein	3.647	56	374594	727.070	ug/l	98
14) Allyl chloride	4.372	41	1151194	150.707	ug/l	99
15) Acrylonitrile	5.049	53	883293	767.115	ug/l	99
16) Acetone	3.866	43	777658	699.133	ug/l	100
17) Carbon Disulfide	4.098	76	2426564	143.357	ug/l	99
18) Methyl Acetate	4.379	43	500151	151.100	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2113920	157.144	ug/l	99
20) Methylene Chloride	4.604	84	846955	152.064	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	889517	152.474	ug/l	97
22) Diisopropyl ether	6.012	45	2594499	156.307	ug/l	99
23) Vinyl Acetate	5.951	43	7267824	791.851	ug/l	99
24) 1,1-Dichloroethane	5.909	63	1527663	150.534	ug/l	99
25) 2-Butanone	6.890	43	1144112	756.289	ug/l	97
26) 2,2-Dichloropropane	6.878	77	1293043	147.663	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	1047717	155.348	ug/l	98
28) Bromochloromethane	7.238	49	599841	148.984	ug/l	98
29) Tetrahydrofuran	7.256	42	734408	783.186	ug/l	99
30) Chloroform	7.415	83	1585686	151.505	ug/l	95
31) Cyclohexane	7.695	56	1354021	141.586	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1396470	150.372	ug/l	100
36) 1,1-Dichloropropene	7.829	75	1132306	150.850	ug/l	99
37) Ethyl Acetate	6.982	43	494371	156.788	ug/l	99
38) Carbon Tetrachloride	7.811	117	1226800	150.478	ug/l	96
39) Methylcyclohexane	9.103	83	1556004	157.417	ug/l	98
40) Benzene	8.073	78	3533174	152.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	261721	143.669	ug/l		90
42) 1,2-Dichloroethane	8.152	62	909030	151.078	ug/l		100
43) Isopropyl Acetate	8.195	43	1029854	161.596	ug/l		98
44) Trichloroethene	8.860	130	909510	152.126	ug/l		94
45) 1,2-Dichloropropane	9.134	63	822035	154.426	ug/l		99
46) Dibromomethane	9.225	93	480162	157.156	ug/l		100
47) Bromodichloromethane	9.420	83	1217658	154.884	ug/l		99
48) Methyl methacrylate	9.213	41	497527	163.144	ug/l		97
49) 1,4-Dioxane	9.225	88	117513	3280.235	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	2677587	814.509	ug/l		99
52) Toluene	10.164	92	2332797	158.762	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1162952	163.355	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	1366797	162.359	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	642236	157.090	ug/l		98
56) Ethyl methacrylate	10.432	69	908662	173.693	ug/l		100
57) 1,3-Dichloropropane	10.713	76	1087297	156.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	2167815	878.488	ug/l		99
59) 2-Hexanone	10.756	43	1848093	825.606	ug/l		100
60) Dibromochloromethane	10.908	129	860181	159.454	ug/l		99
61) 1,2-Dibromoethane	11.012	107	613069	159.546	ug/l		99
64) Tetrachloroethene	10.640	164	990664	146.682	ug/l		98
65) Chlorobenzene	11.438	112	2520874	154.514	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	871003	157.304	ug/l		99
67) Ethyl Benzene	11.511	91	4438665	158.093	ug/l		98
68) m/p-Xylenes	11.621	106	3511726	320.251	ug/l		96
69) o-Xylene	11.950	106	1683720	163.941	ug/l		100
70) Styrene	11.963	104	2846443	169.475	ug/l		99
71) Bromoform	12.127	173	523541	161.778	ug/l	#	98
73) Isopropylbenzene	12.249	105	4269945	155.145	ug/l		99
74) N-amyl acetate	12.066	43	982090	168.265	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	717524	152.686	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	519276m	137.890	ug/l		
77) Bromobenzene	12.523	156	1021449	155.568	ug/l		99
78) n-propylbenzene	12.591	91	5048012	154.058	ug/l		99
79) 2-Chlorotoluene	12.676	91	2878647	153.331	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	3469329	155.973	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	245958	158.203	ug/l		97
82) 4-Chlorotoluene	12.773	91	2981042	153.063	ug/l		99
83) tert-Butylbenzene	12.993	119	3161475	157.371	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	3501626	158.143	ug/l		100
85) sec-Butylbenzene	13.170	105	4541629	153.897	ug/l		99
86) p-Isopropyltoluene	13.286	119	3918969	159.987	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	2049060	158.251	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1941716	151.172	ug/l		98
89) n-Butylbenzene	13.609	91	3578272	159.048	ug/l		100
90) Hexachloroethane	13.871	117	772603	154.073	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	1754100	154.469	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	114505	156.498	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	1117401	166.397	ug/l		98
94) Hexachlorobutadiene	15.017	225	589351	149.352	ug/l		99
95) Naphthalene	15.139	128	2094983	182.954	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	975366	168.557	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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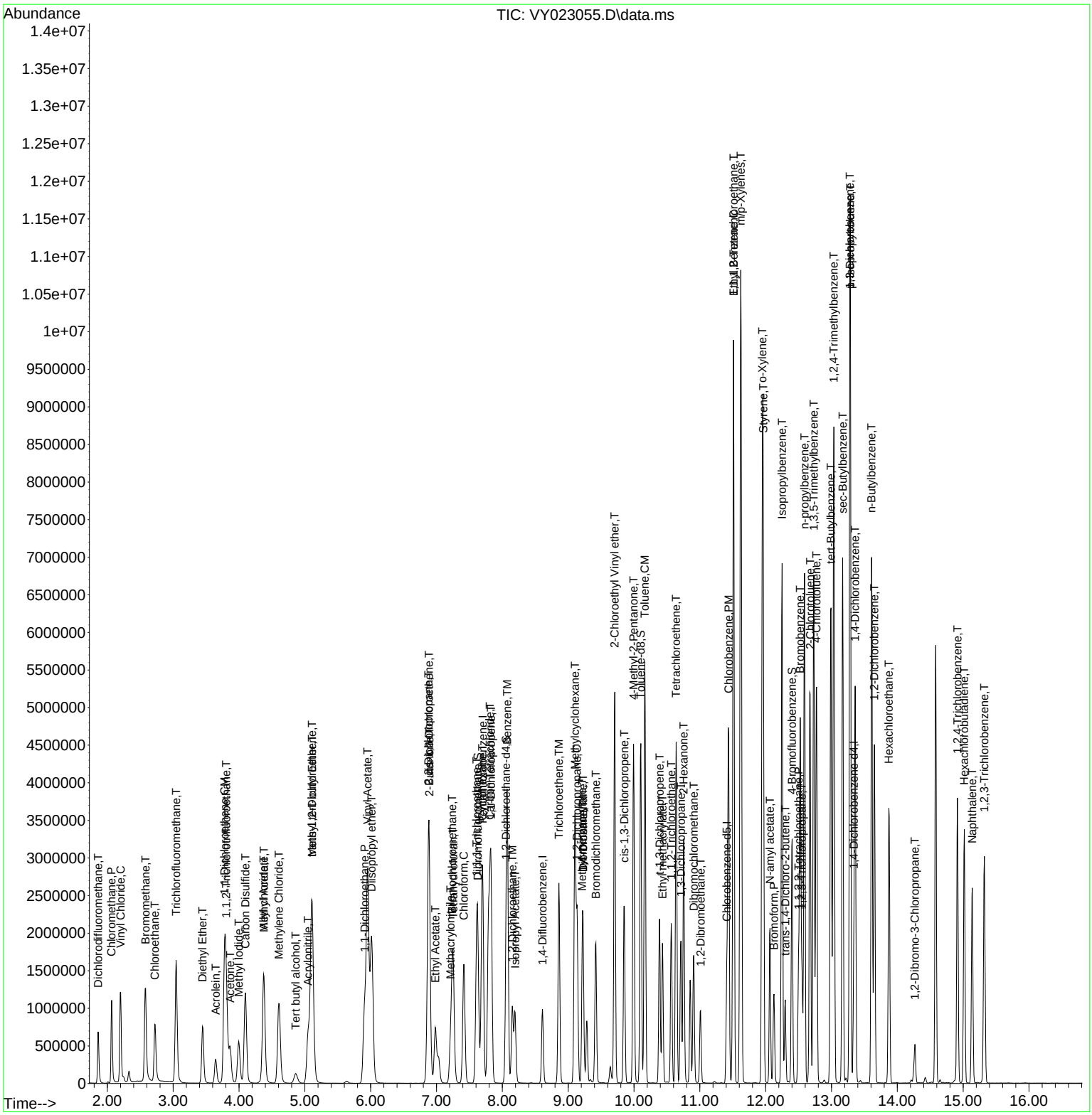

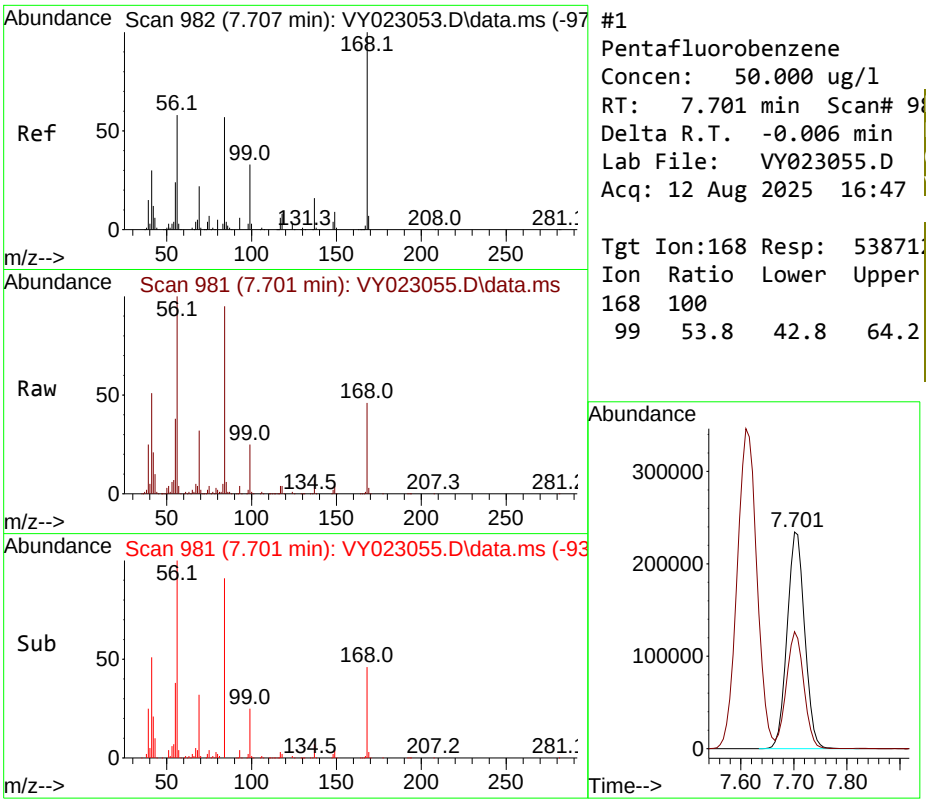

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:168 Resp: 53871

Ion	Ratio	Lower	Upper
168	100		
99	53.8	42.8	64.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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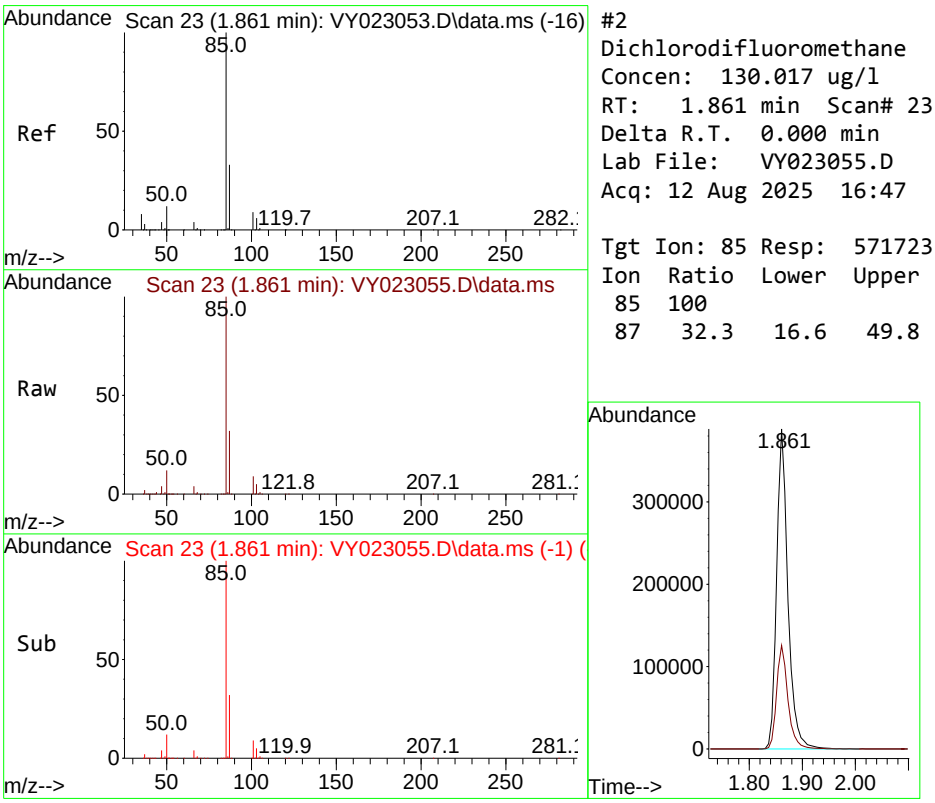
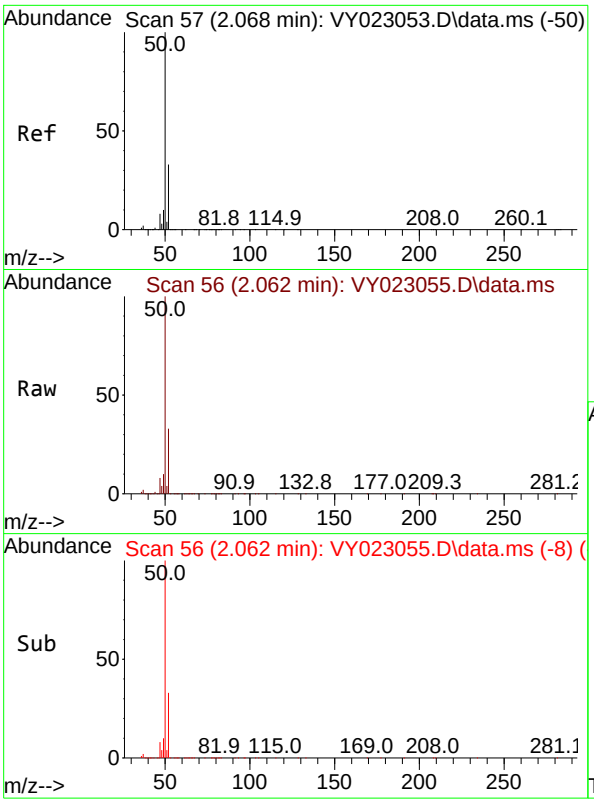


#2
Dichlorodifluoromethane
Concen: 130.017 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 85 Resp: 571723

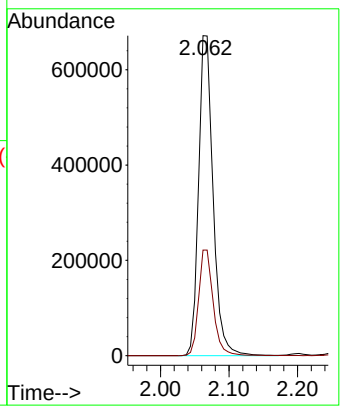
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8



#3
Chloromethane
Concen: 139.173 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 50 Resp: 99121

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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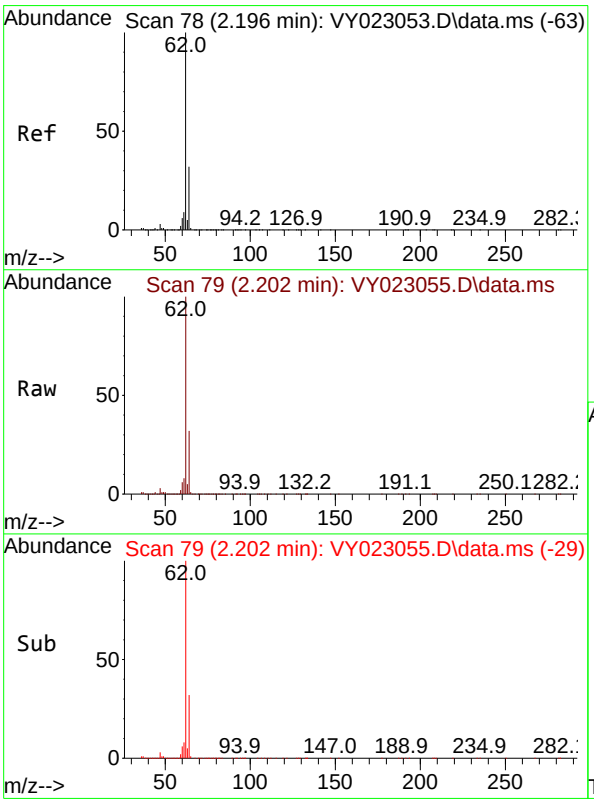
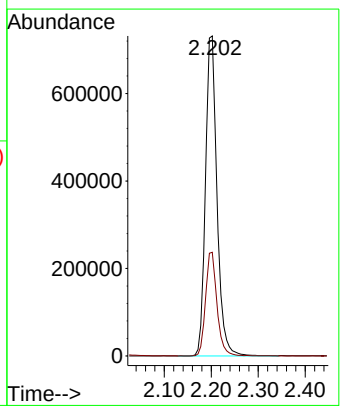
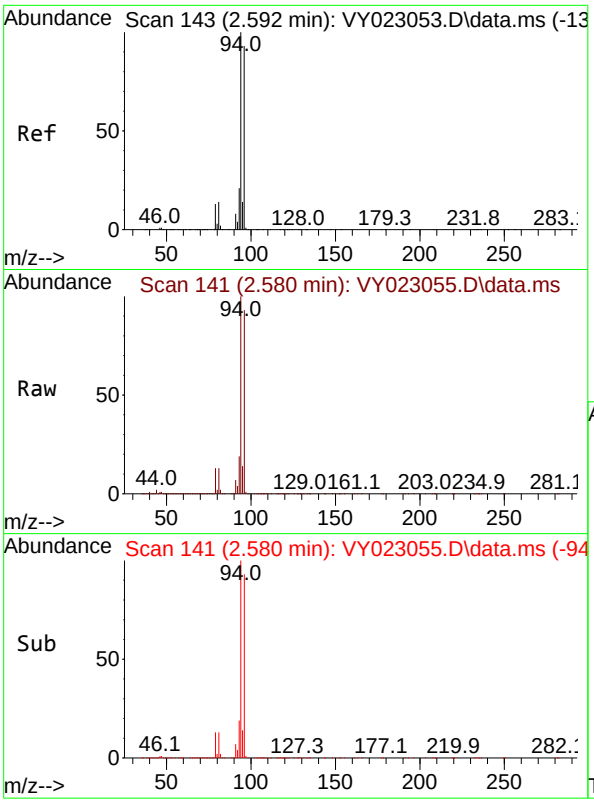


#4
Vinyl Chloride
Concen: 140.692 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 1238646

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.0





#5
Bromomethane
Concen: 142.770 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 94 Resp: 93871

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	112.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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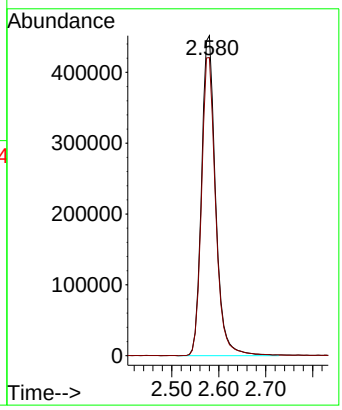
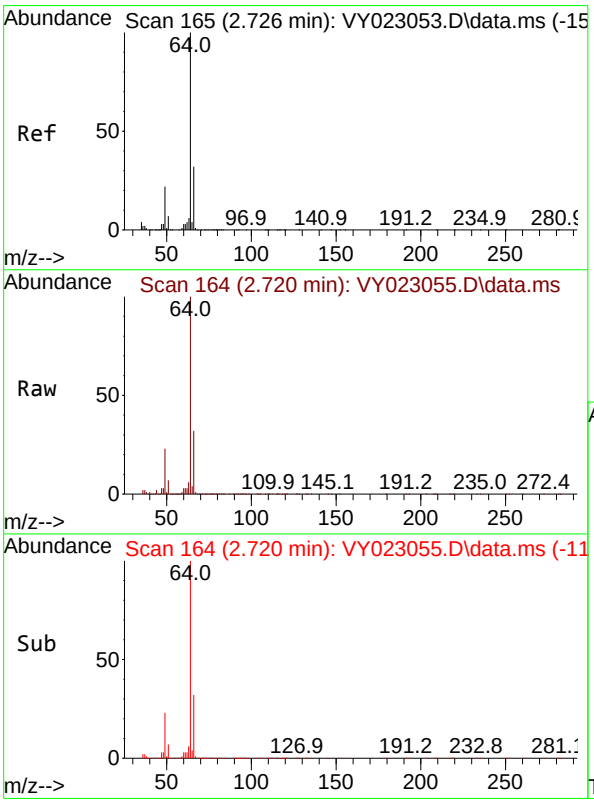
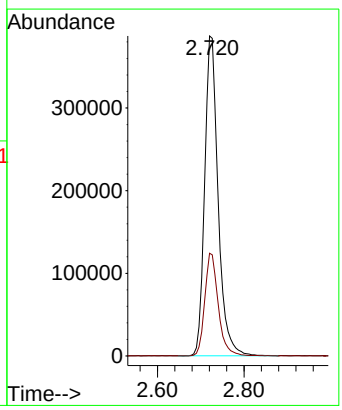


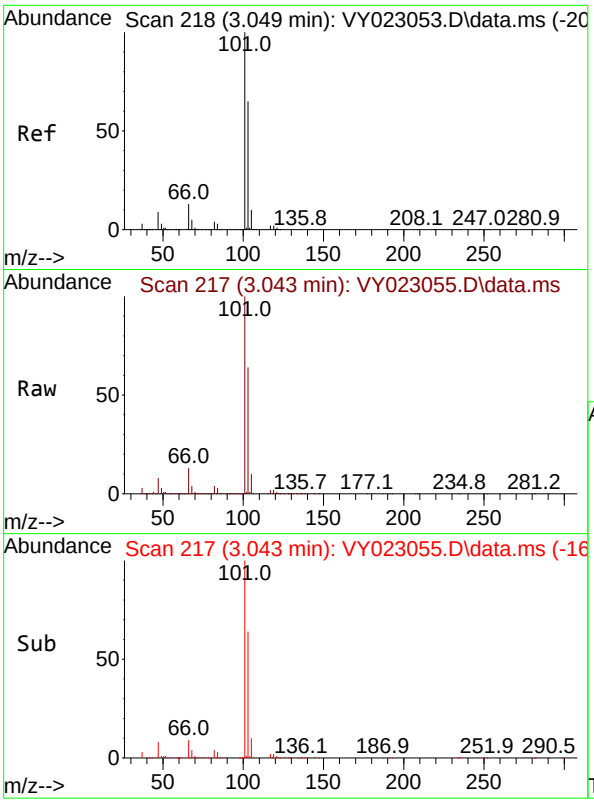


#6
Chloroethane
Concen: 142.581 ug/l
RT: 2.720 min Scan# 164
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 64 Resp: 834547

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.8	38.6

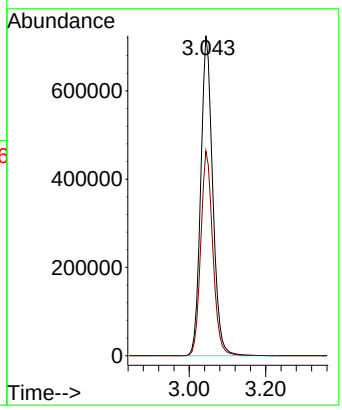




#7
Trichlorofluoromethane
Concen: 147.051 ug/l
RT: 3.043 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:101 Resp: 157421

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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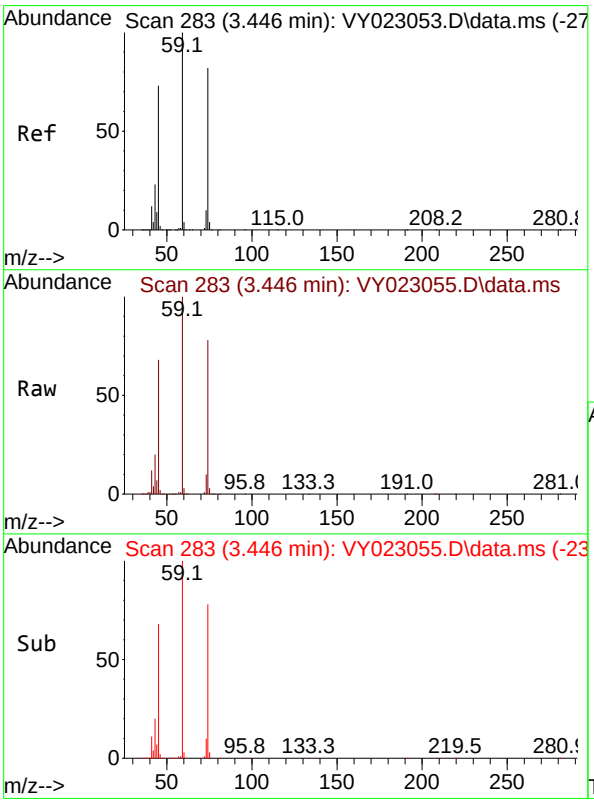
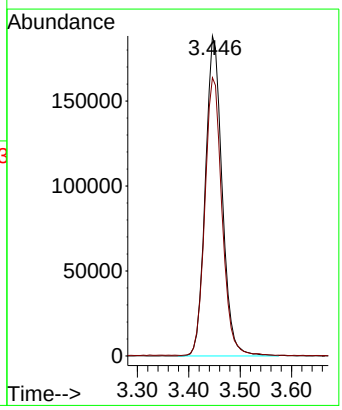
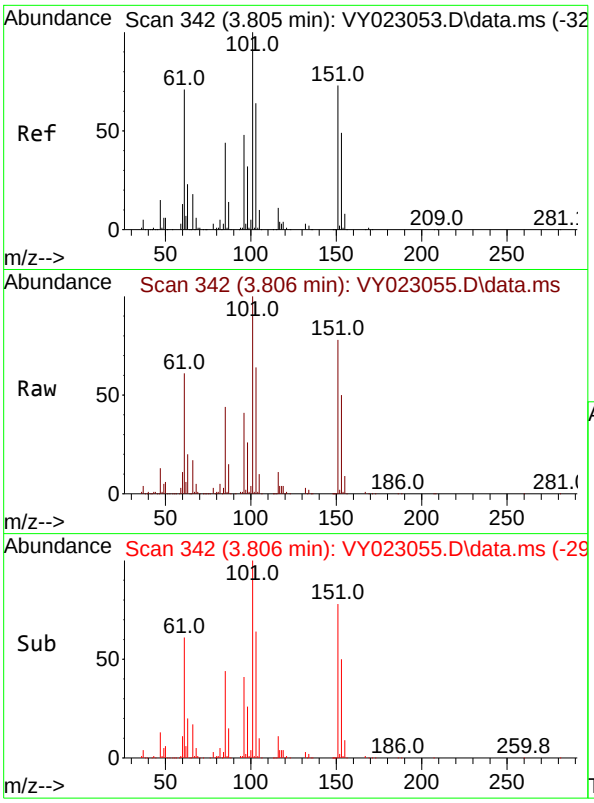


#8
Diethyl Ether
Concen: 150.496 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 74 Resp: 426242

Ion	Ratio	Lower	Upper
74	100		
45	88.9	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.479 ug/l
RT: 3.806 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:101 Resp: 76305

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.3	54.5
151	77.4	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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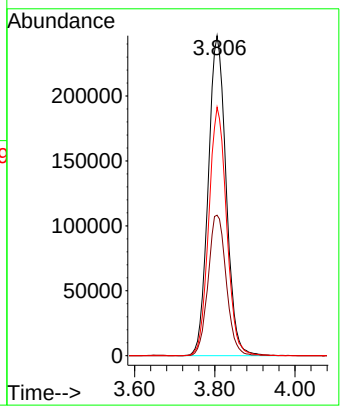
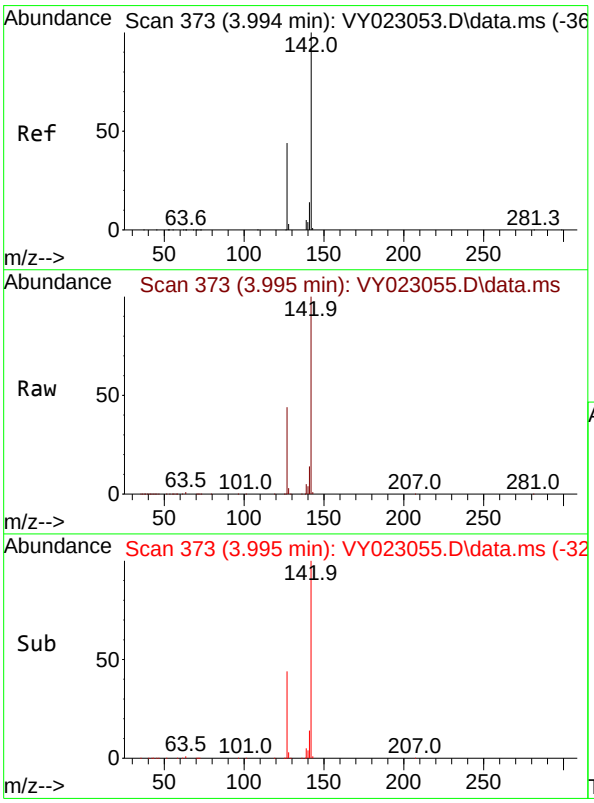
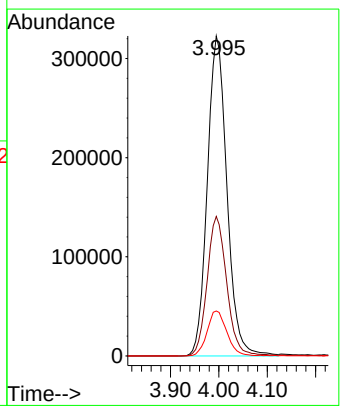


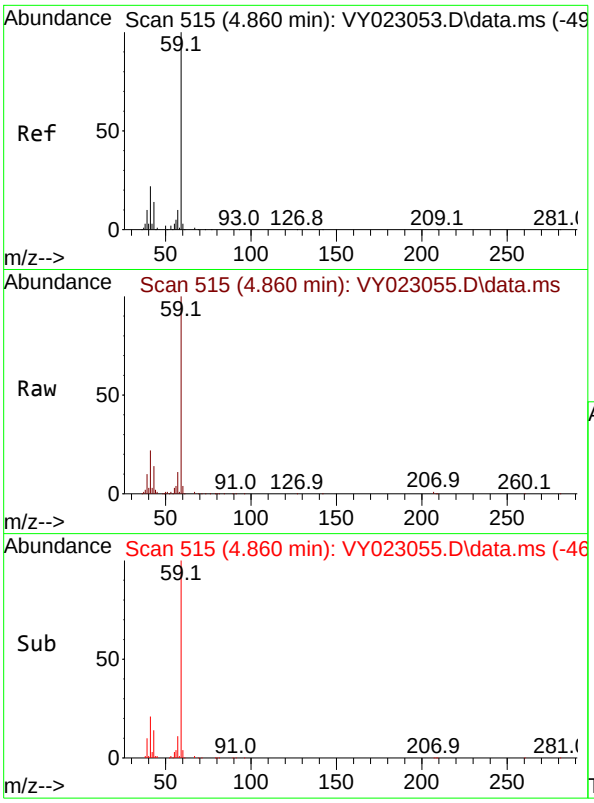


#10
Methyl Iodide
Concen: 159.567 ug/l
RT: 3.995 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:142 Resp: 909378

Ion	Ratio	Lower	Upper
142	100		
127	43.7	34.9	52.3
141	14.2	11.3	16.9

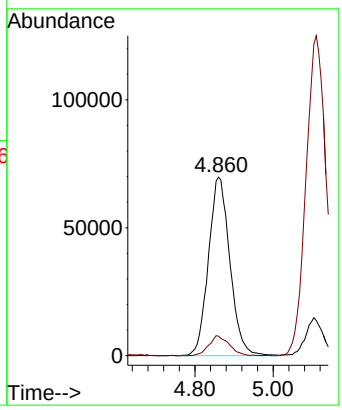




#11
Tert butyl alcohol
Concen: 753.967 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 59 Resp: 26524

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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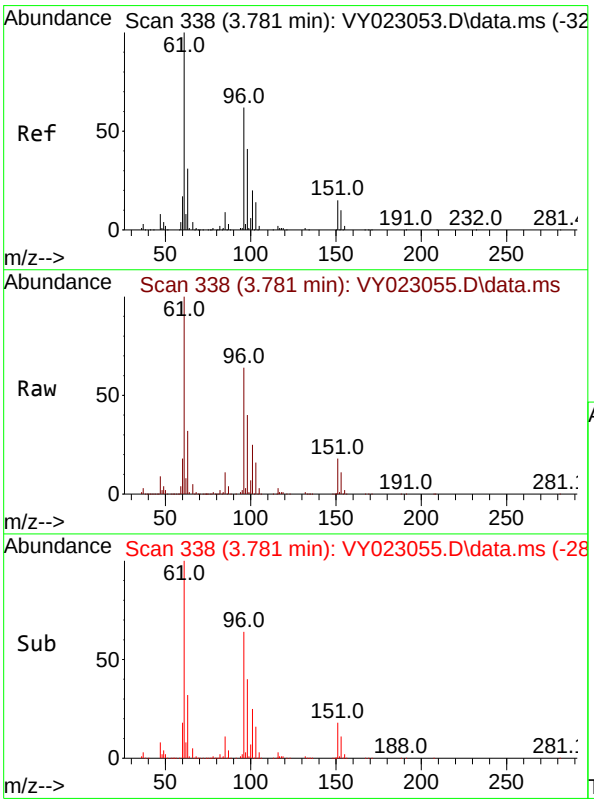
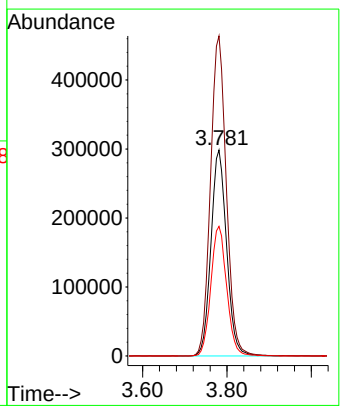
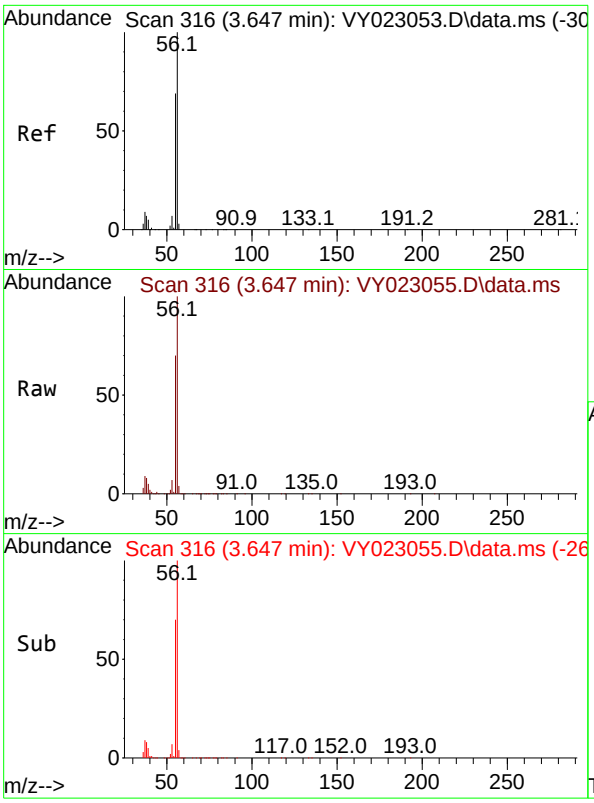


#12
1,1-Dichloroethene
Concen: 147.960 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 96 Resp: 768098

Ion	Ratio	Lower	Upper
96	100		
61	155.4	129.4	194.2
98	62.9	52.8	79.2

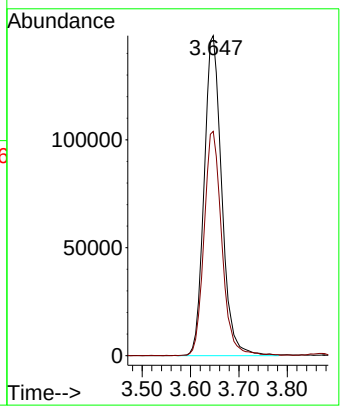




#13
Acrolein
Concen: 727.070 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 56 Resp: 37459

Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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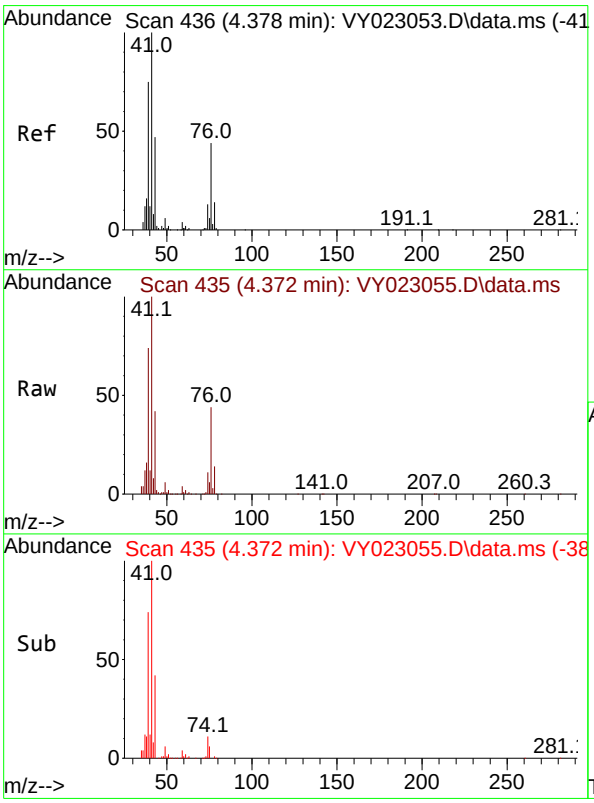
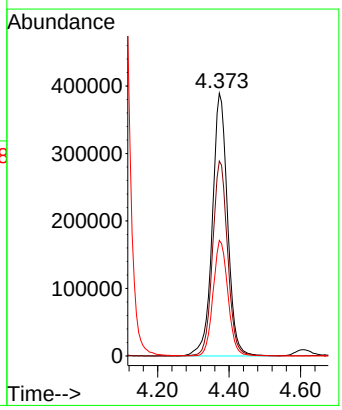
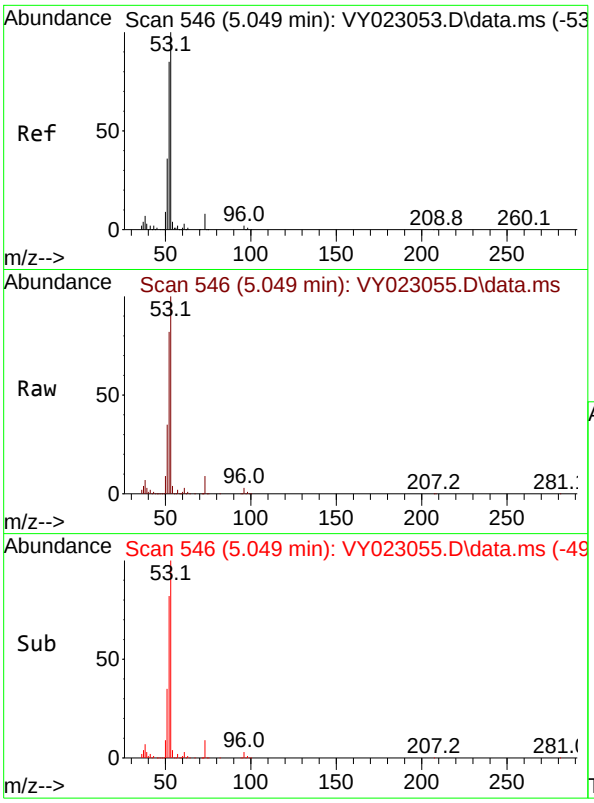


#14
Allyl chloride
Concen: 150.707 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 1151194

Ion	Ratio	Lower	Upper
41	100		
39	73.2	59.8	89.6
76	42.6	33.7	50.5

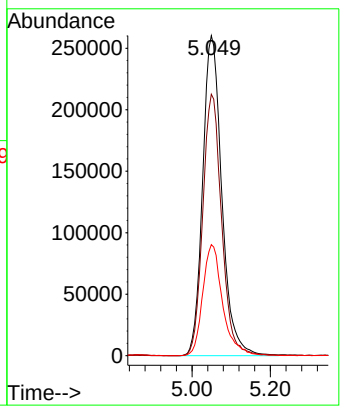




#15
Acrylonitrile
Concen: 767.115 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 53 Resp: 88329

Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.3	97.9
51	36.2	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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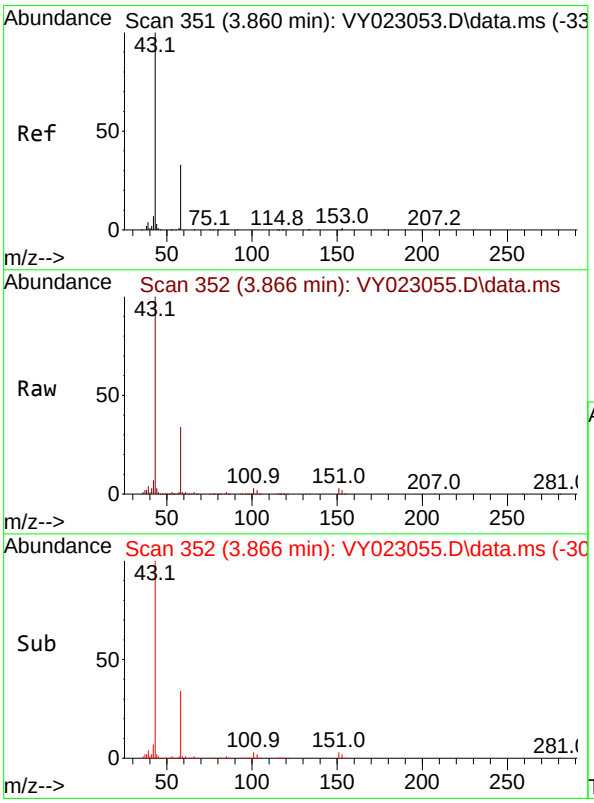
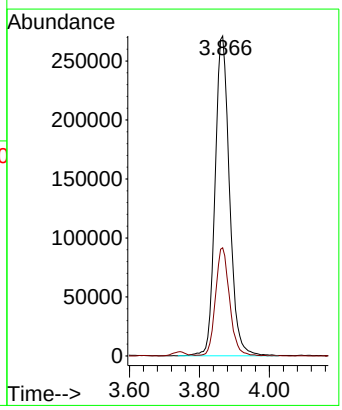
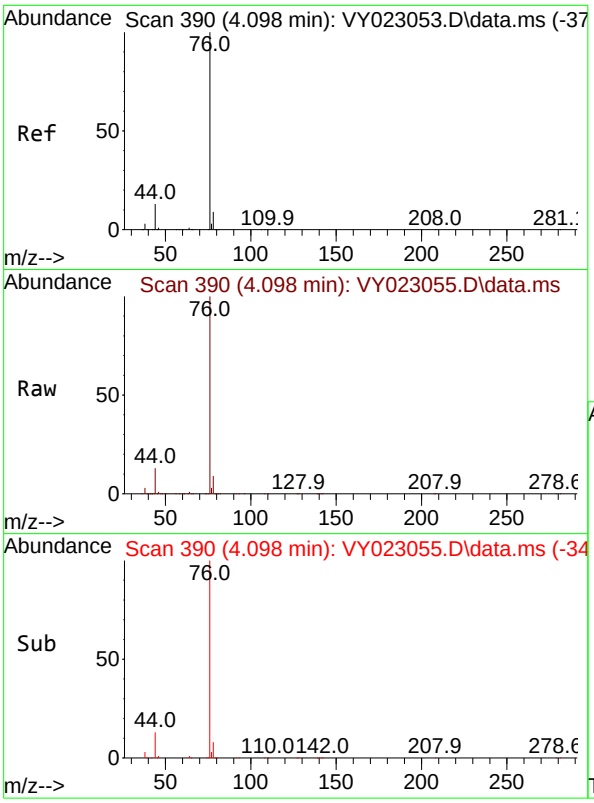


#16
Acetone
Concen: 699.133 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 777658

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.1	40.7

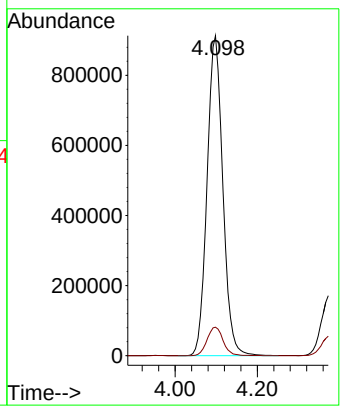




#17
Carbon Disulfide
Concen: 143.357 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 76 Resp: 242656

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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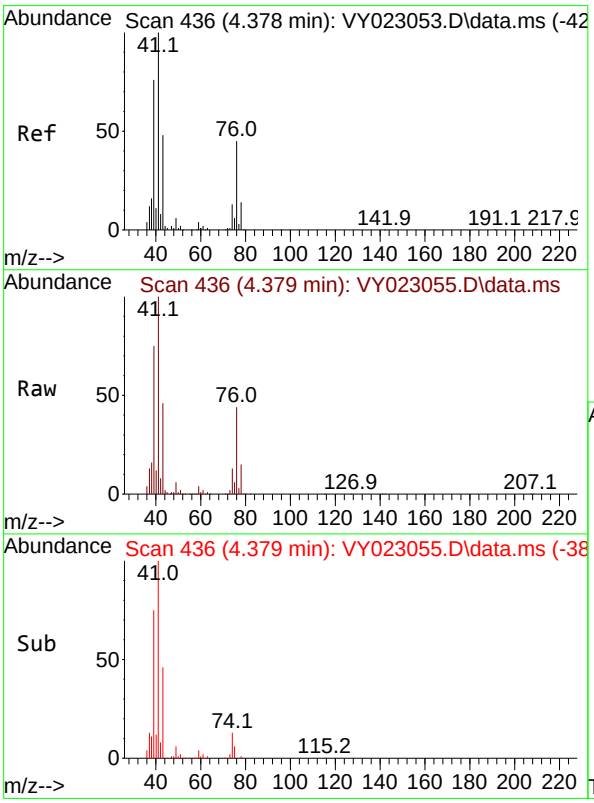
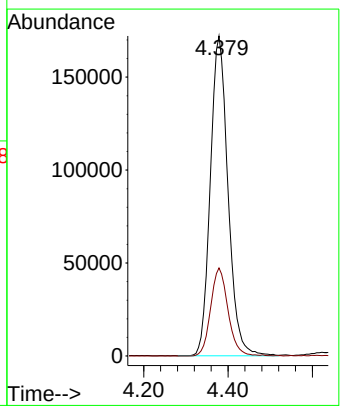
Supervised By :Semsettin Yesilyurt 08/14/2025

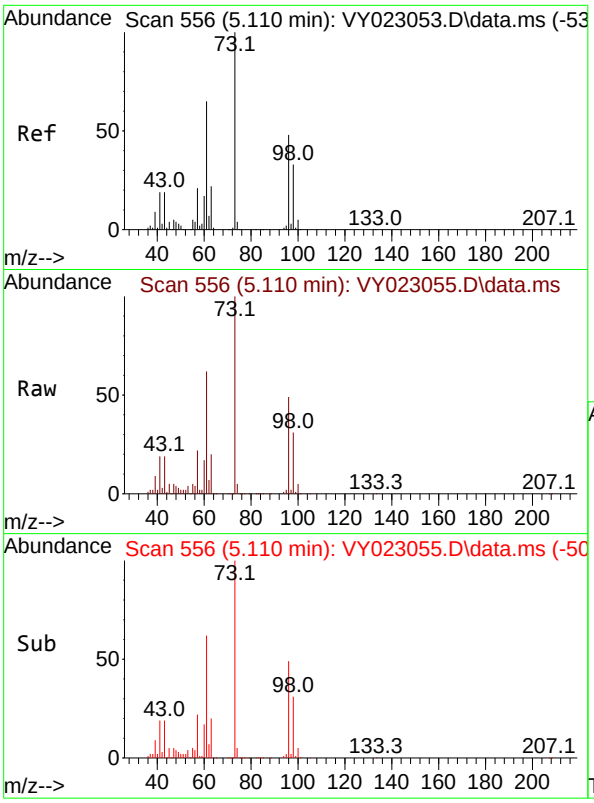


#18
Methyl Acetate
Concen: 151.100 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 500151

Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.2	31.8

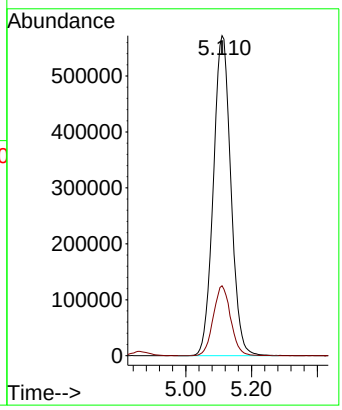




#19
Methyl tert-butyl Ether
Concen: 157.144 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 73 Resp: 211392

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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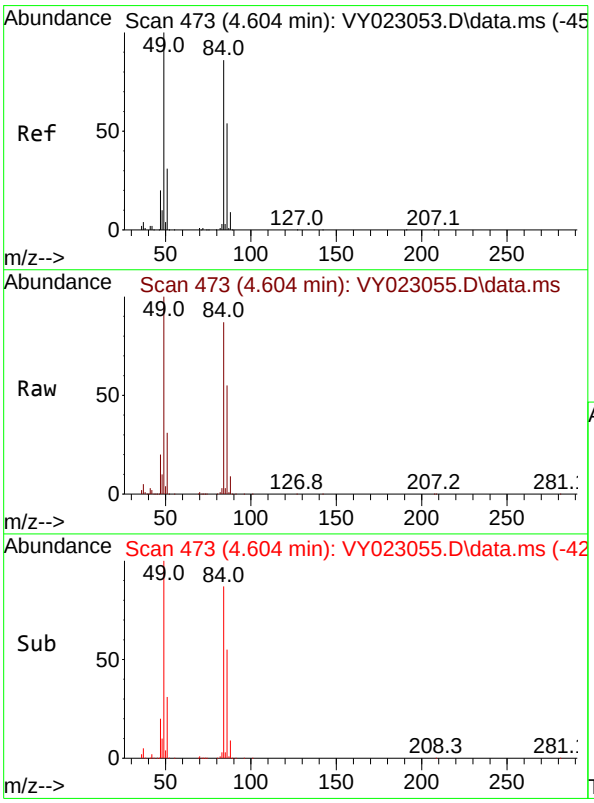
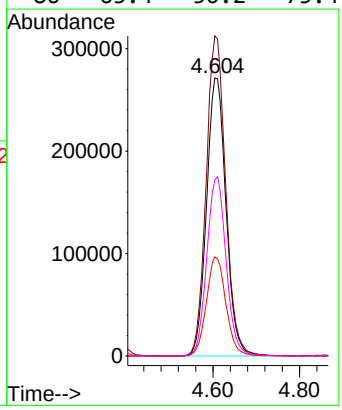
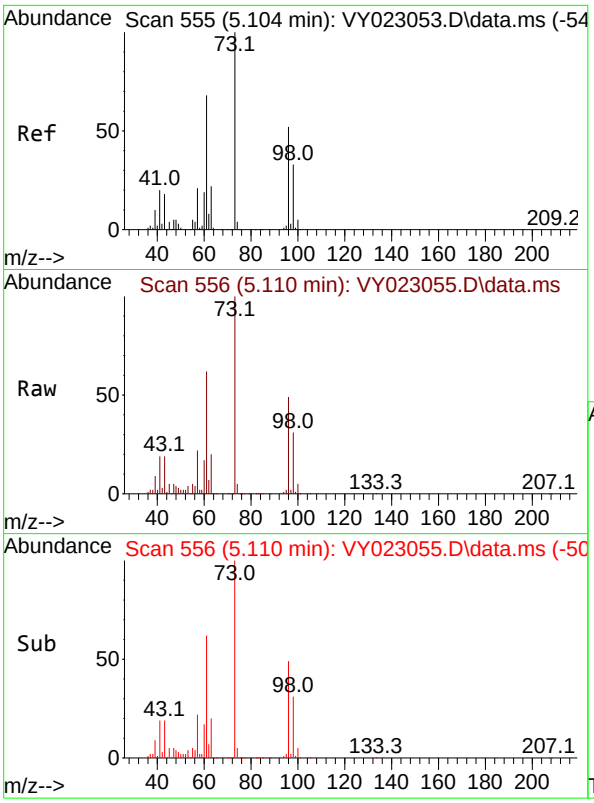


#20
Methylene Chloride
Concen: 152.064 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 84 Resp: 846955

Ion	Ratio	Lower	Upper
84	100		
49	115.1	93.0	139.6
51	35.7	29.0	43.4
86	63.4	50.2	75.4

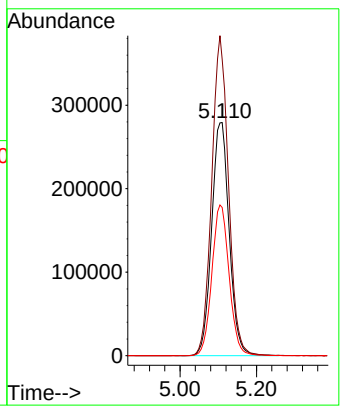




#21
trans-1,2-Dichloroethene
Concen: 152.474 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 96 Resp: 88951

Ion	Ratio	Lower	Upper
96	100		
61	127.0	104.8	157.2
98	63.5	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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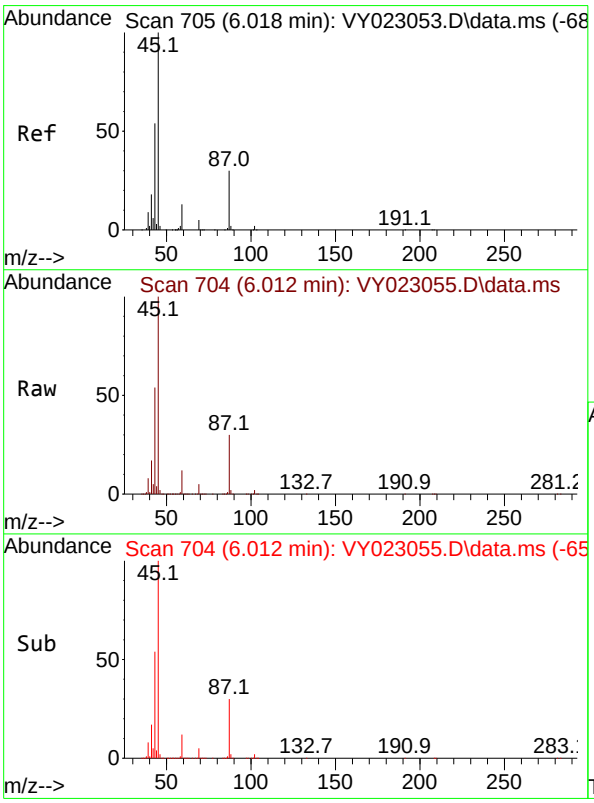
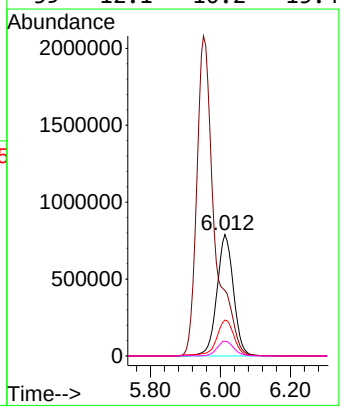
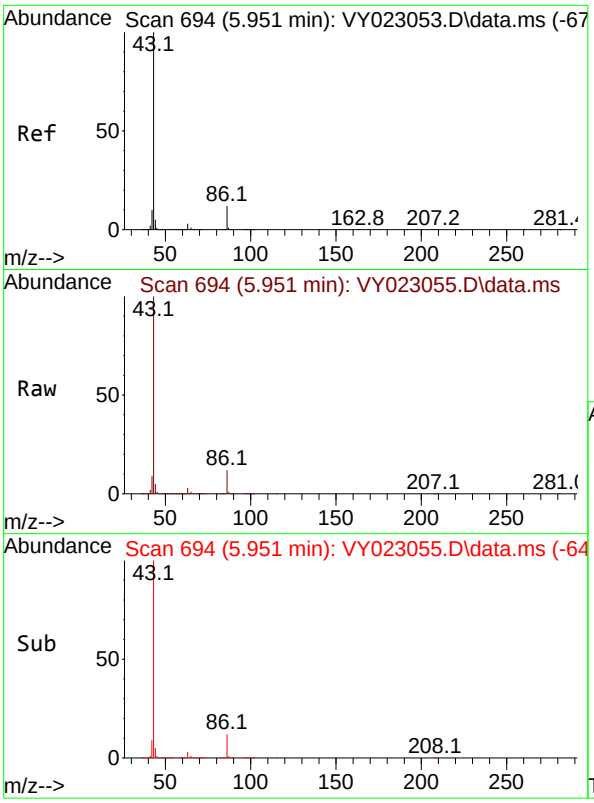


#22
Diisopropyl ether
Concen: 156.307 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 45 Resp: 2594499

Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.4	65.0
87	29.5	24.4	36.6
59	12.1	10.2	15.4

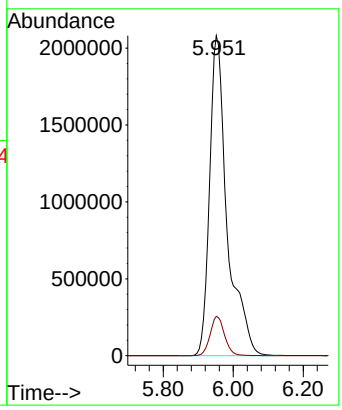




#23
Vinyl Acetate
Concen: 791.851 ug/l
RT: 5.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 726782

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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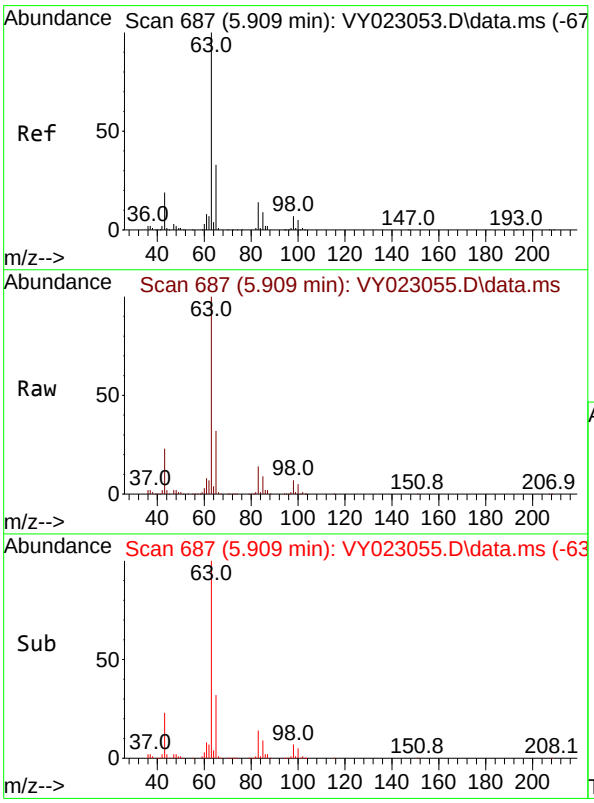
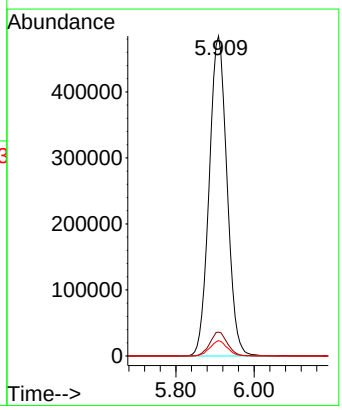
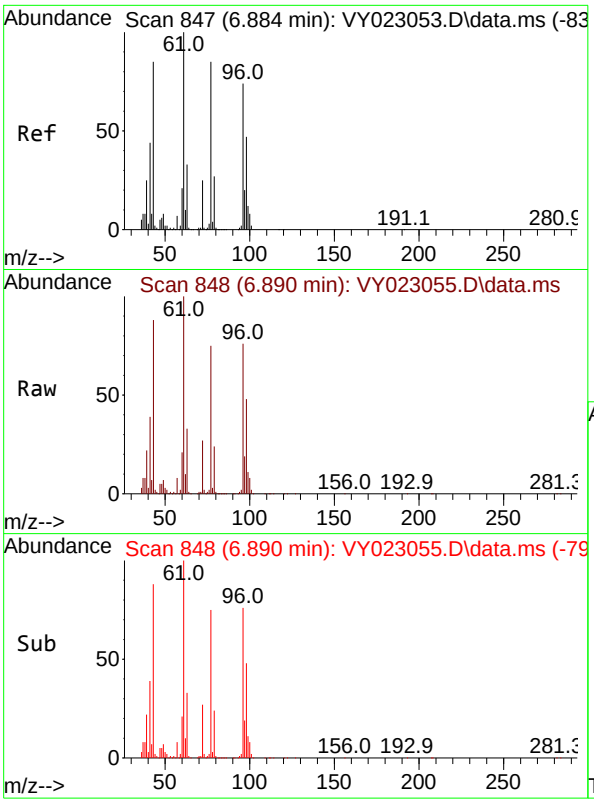


#24
1,1-Dichloroethane
Concen: 150.534 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 1527663

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.8	2.4	7.1

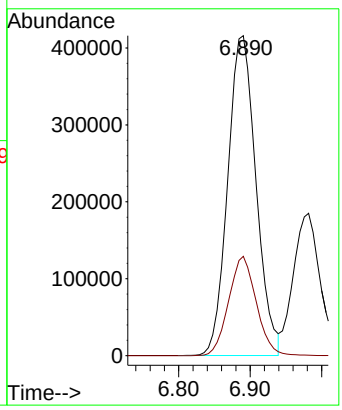




#25
2-Butanone
Concen: 756.289 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 114411

Ion	Ratio	Lower	Upper
43	100		
72	31.1	23.5	35.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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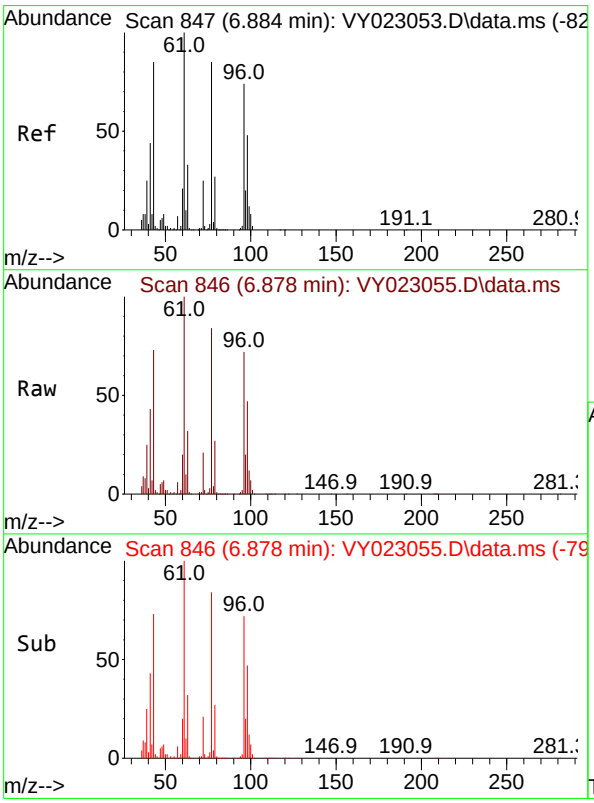
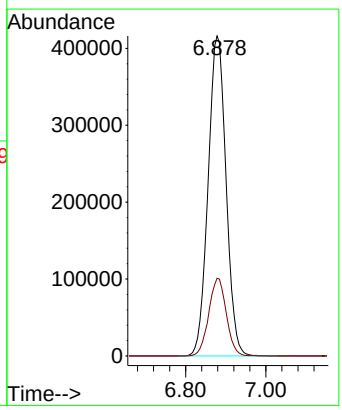
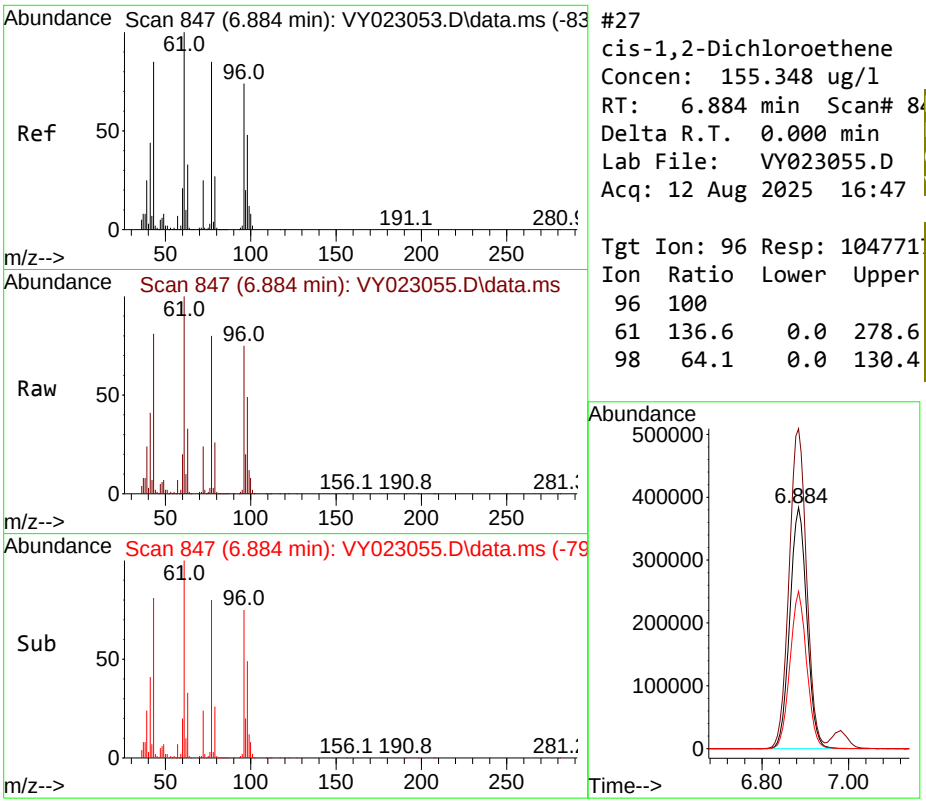


#26
2,2-Dichloropropane
Concen: 147.663 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 77 Resp: 1293043

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 155.348 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 96 Resp: 104771

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	278.6
98	64.1	0.0	130.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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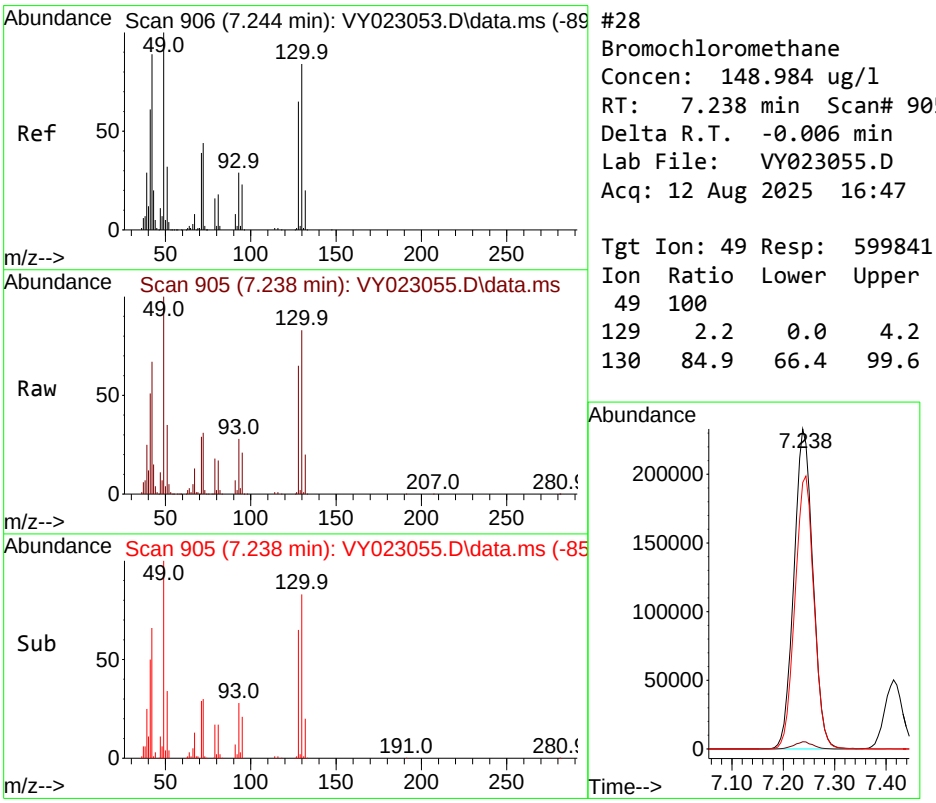
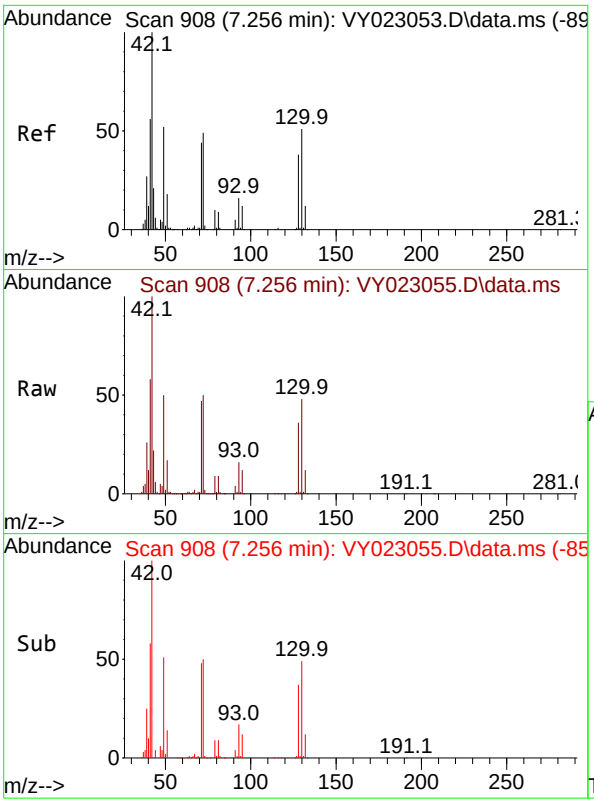


#28
Bromochloromethane
Concen: 148.984 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 49 Resp: 599841

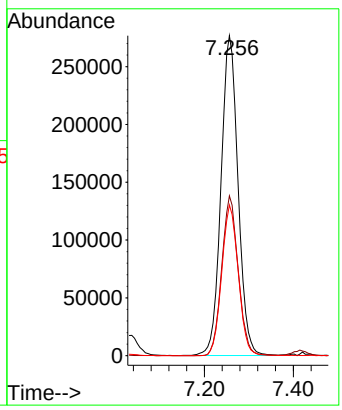
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.9	66.4	99.6



#29
Tetrahydrofuran
Concen: 783.186 ug/l
RT: 7.256 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 42 Resp: 73440(

Ion	Ratio	Lower	Upper
42	100		
72	48.3	39.4	59.2
71	45.8	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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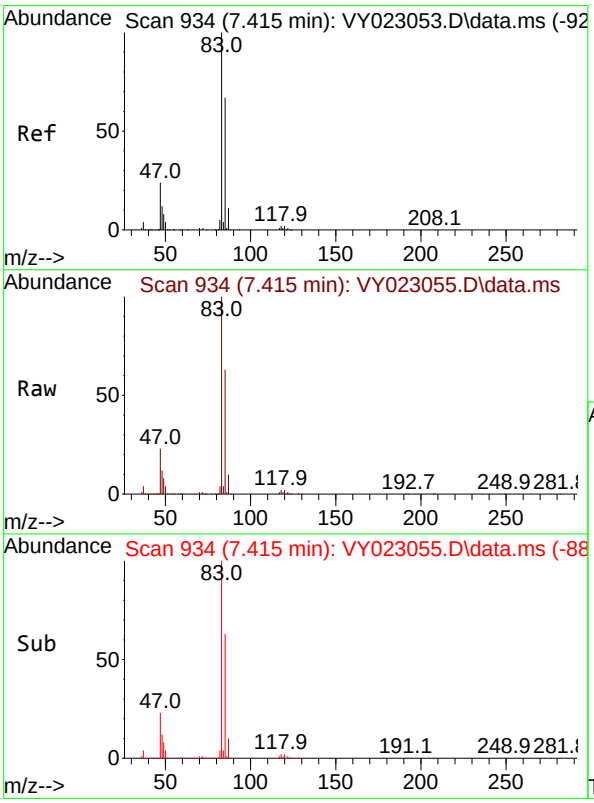
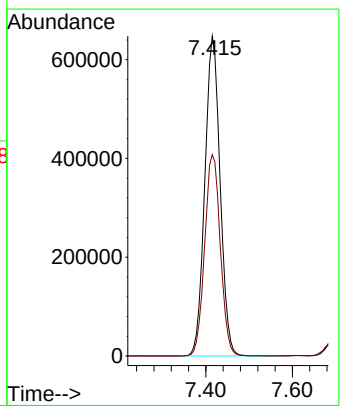
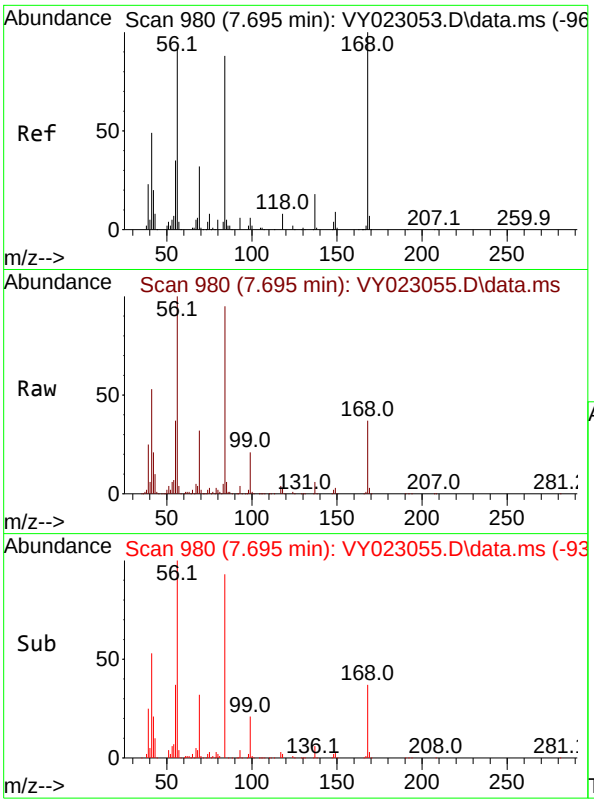


#30
Chloroform
Concen: 151.505 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 83 Resp: 1585686

Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.8	80.8

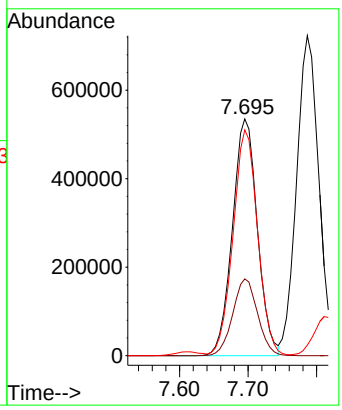




#31
Cyclohexane
Concen: 141.586 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 56 Resp: 135402

Ion	Ratio	Lower	Upper
56	100		
69	32.4	28.2	42.2
84	94.2	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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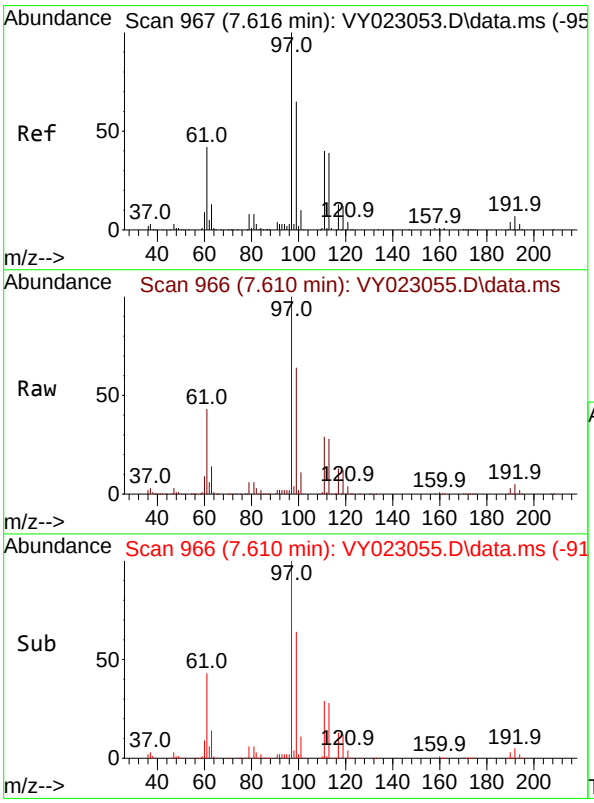
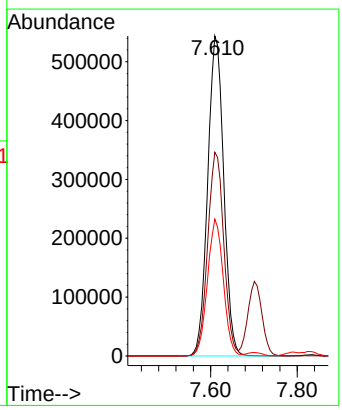
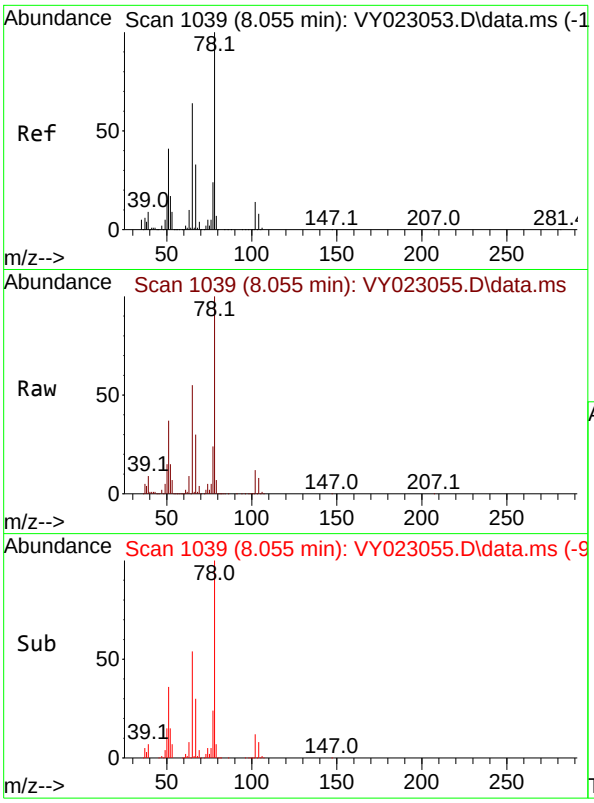


#32
1,1,1-Trichloroethane
Concen: 150.372 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 97 Resp: 1396470

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.4	34.2	51.2

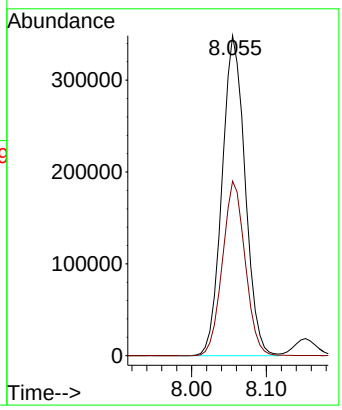




#33
1,2-Dichloroethane-d4
Concen: 145.480 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 65 Resp: 74693

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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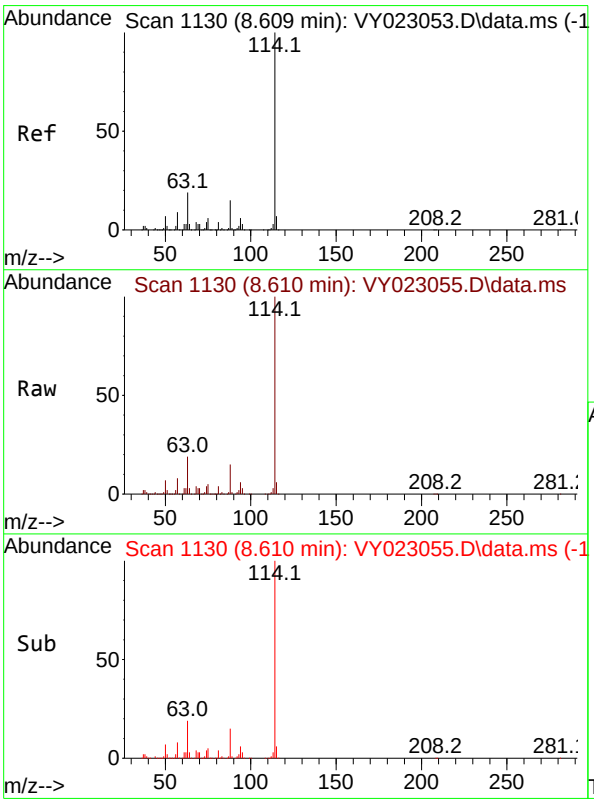
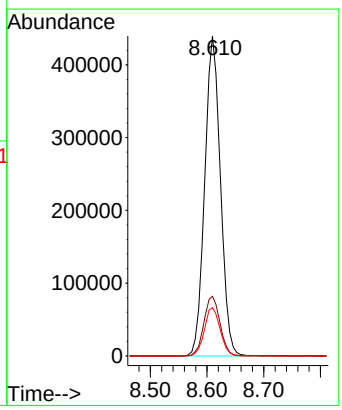
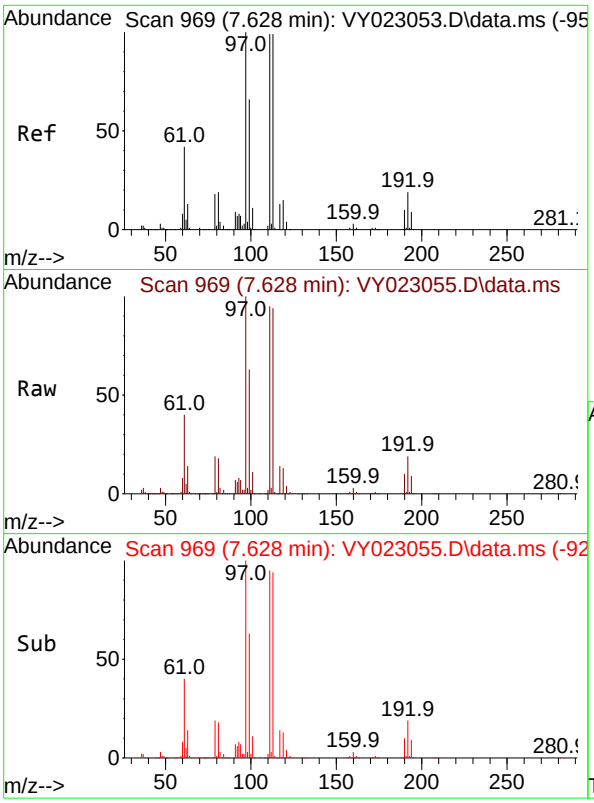


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:114 Resp: 844092

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.1	0.0	30.0

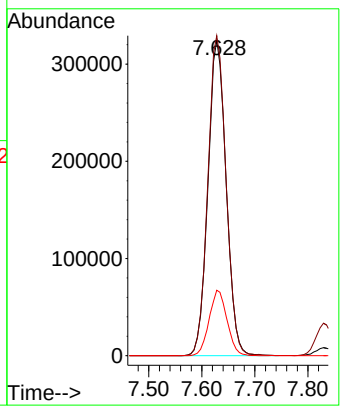




#35
Dibromofluoromethane
Concen: 152.837 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:113 Resp: 771944

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	20.4	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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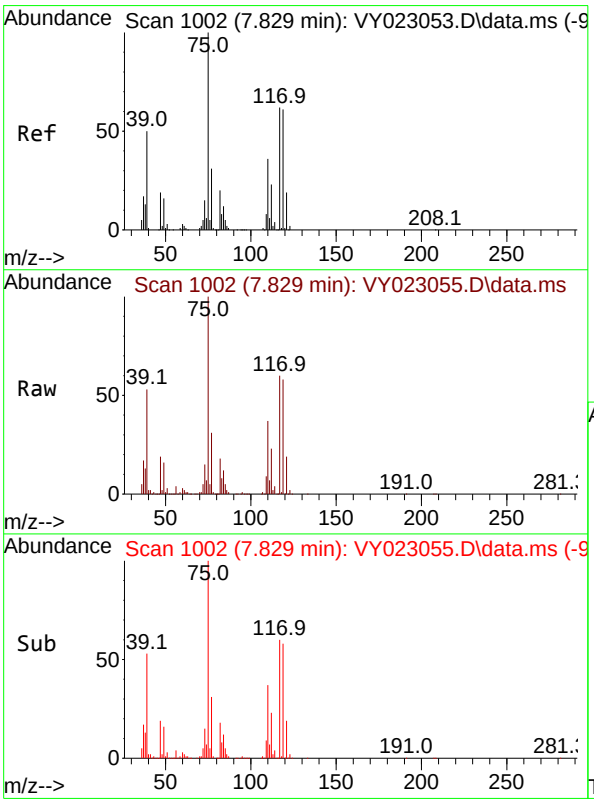
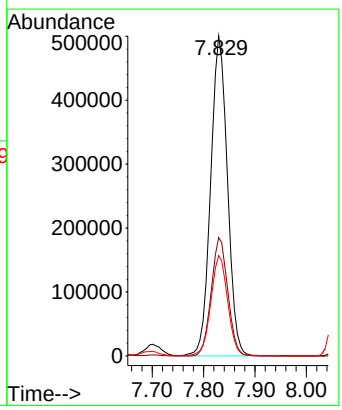
Supervised By :Semsettin Yesilyurt 08/14/2025

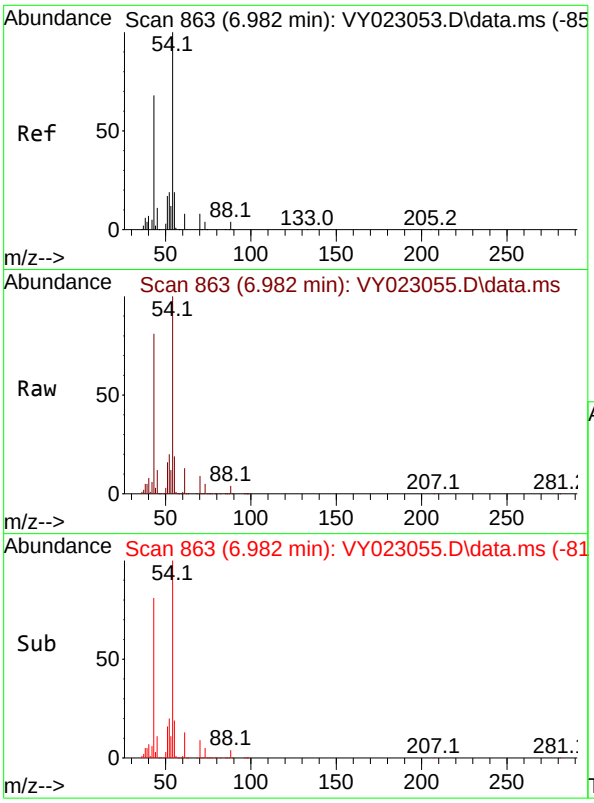


#36
1,1-Dichloropropene
Concen: 150.850 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1132306

Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	31.5	24.6	37.0

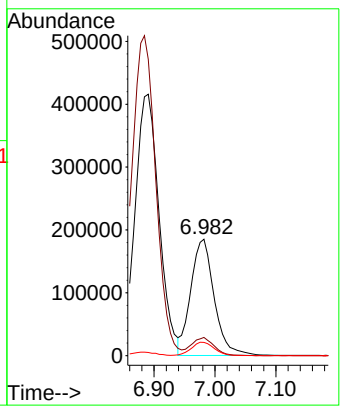




#37
Ethyl Acetate
Concen: 156.788 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 49437

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.4	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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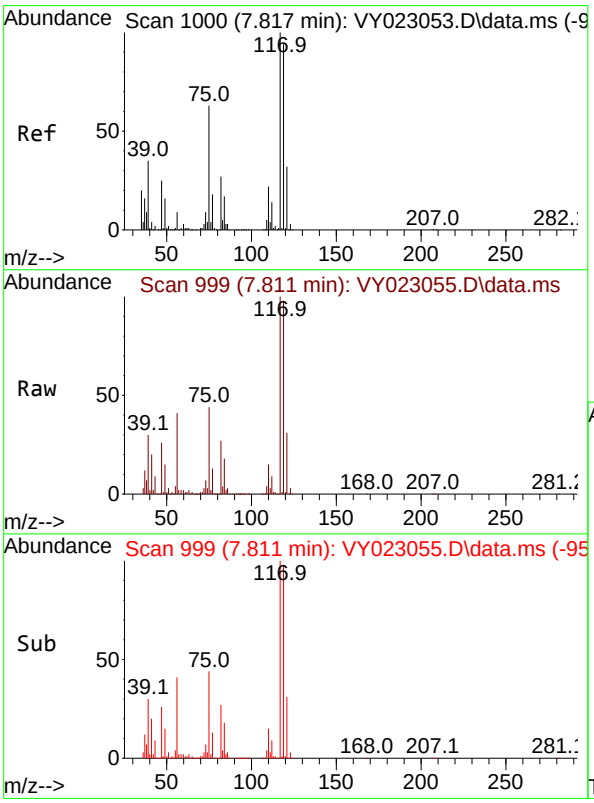
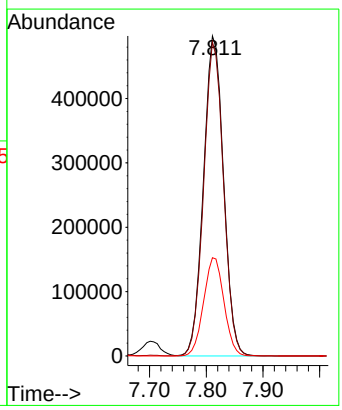
Supervised By :Semsettin Yesilyurt 08/14/2025

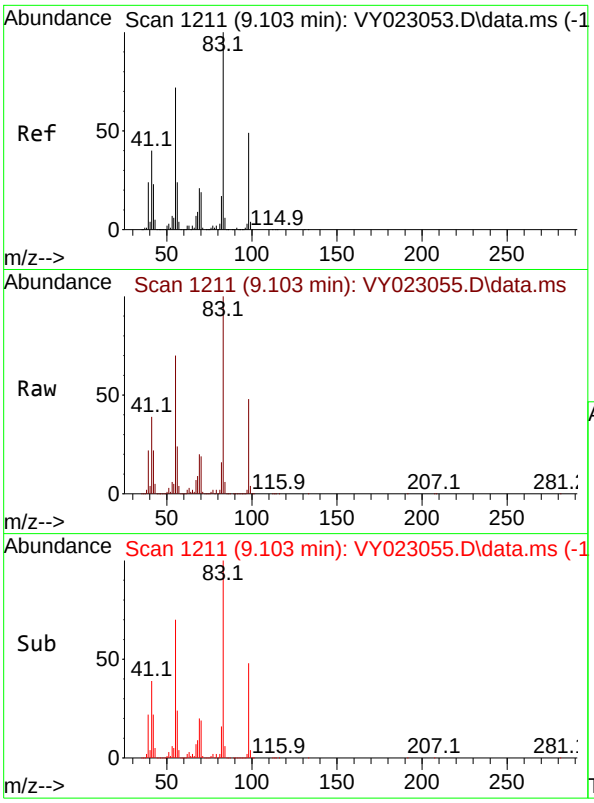


#38
Carbon Tetrachloride
Concen: 150.478 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:117 Resp: 1226800

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.6	113.4
121	30.7	25.8	38.8

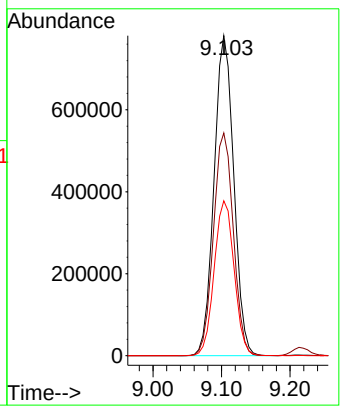




#39
Methylcyclohexane
Concen: 157.417 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 83 Resp: 155600

Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.6	86.4
98	48.4	39.2	58.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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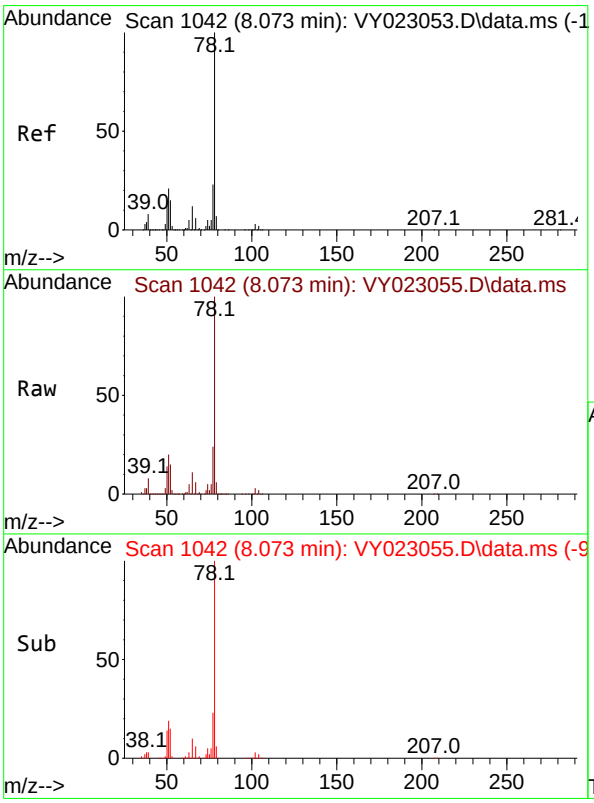
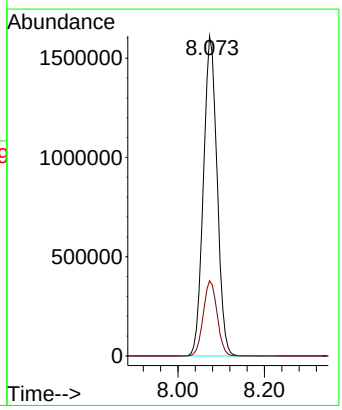
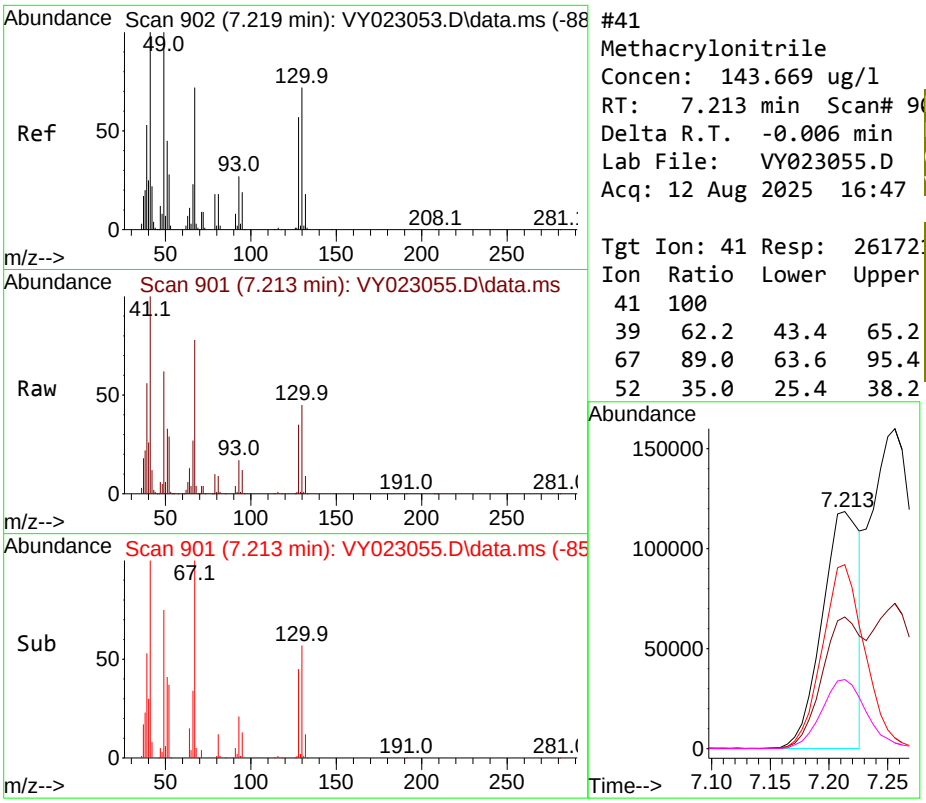


#40
Benzene
Concen: 152.720 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 78 Resp: 3533174

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





#41
Methacrylonitrile
Concen: 143.669 ug/l
RT: 7.213 min Scan# 9(
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 26172

Ion	Ratio	Lower	Upper
41	100		
39	62.2	43.4	65.2
67	89.0	63.6	95.4
52	35.0	25.4	38.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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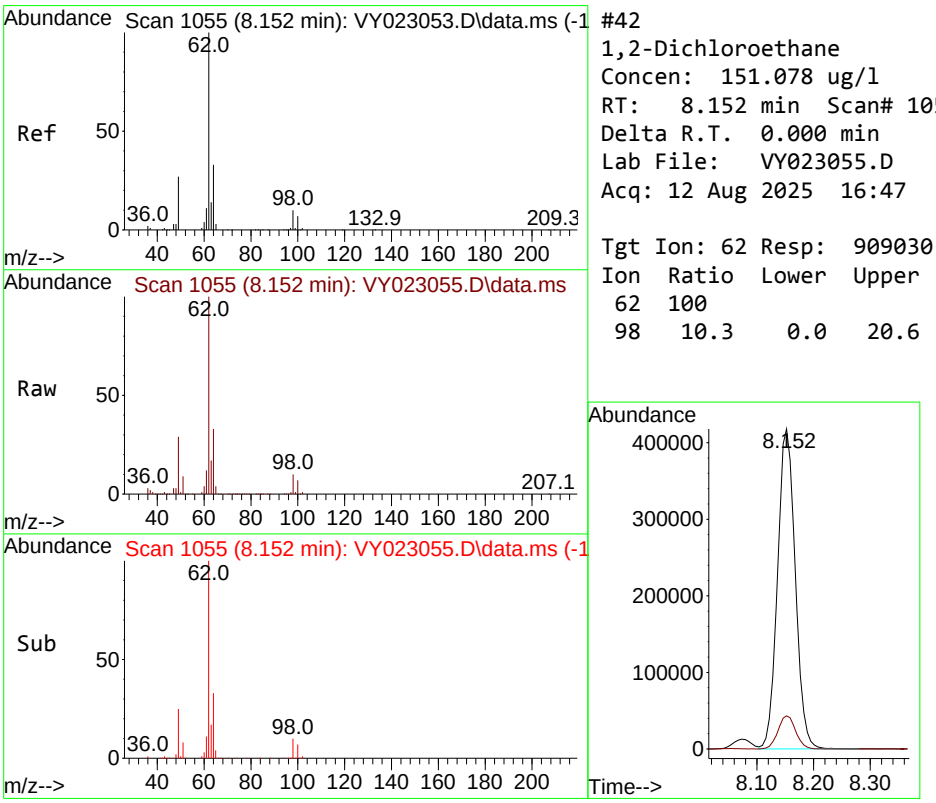
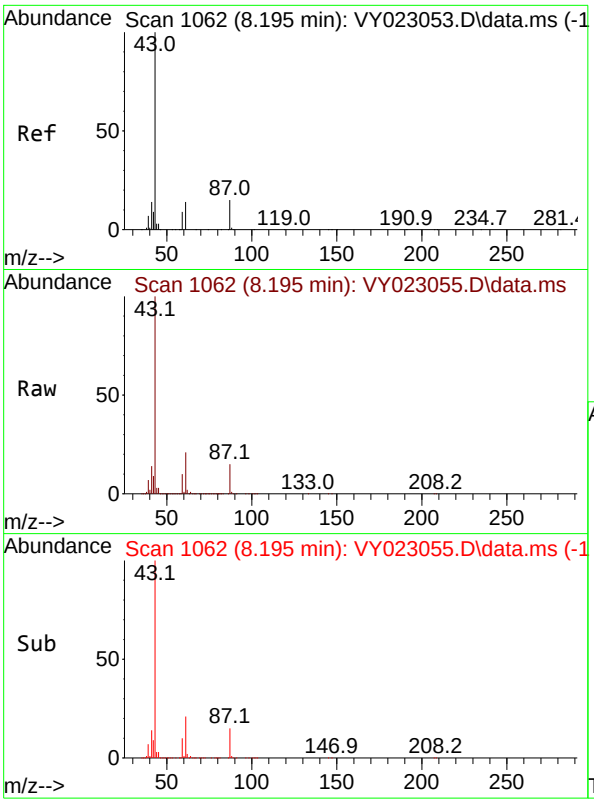


#42
1,2-Dichloroethane
Concen: 151.078 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 909030

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



#43
Isopropyl Acetate
Concen: 161.596 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 102985

Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.4	24.6
87	14.8	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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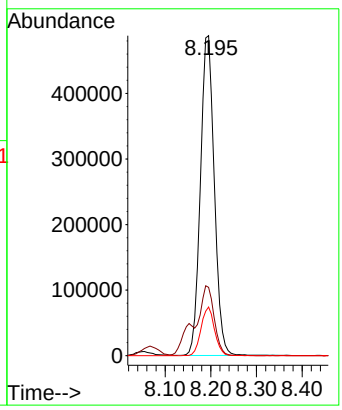
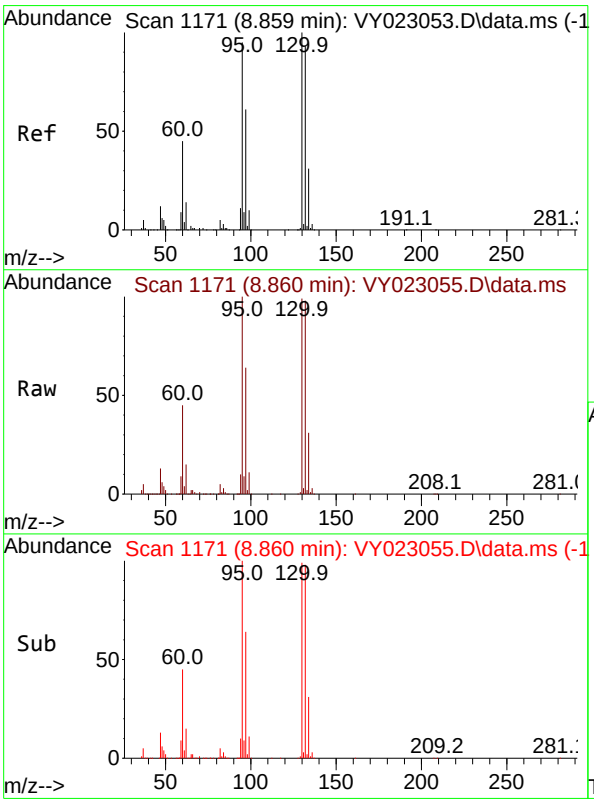
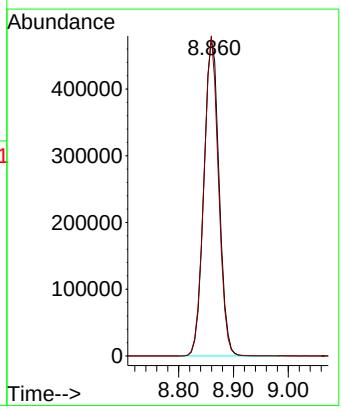


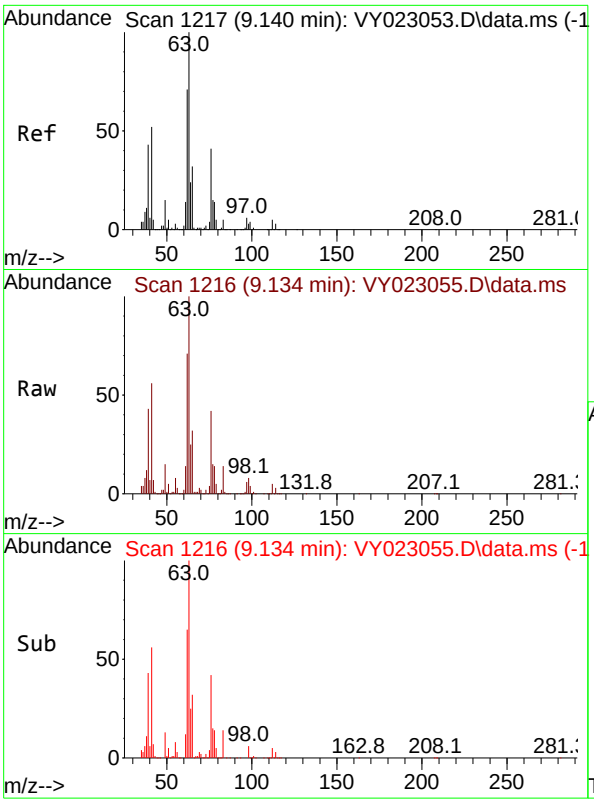


#44
Trichloroethene
Concen: 152.126 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:130 Resp: 909510

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	190.2

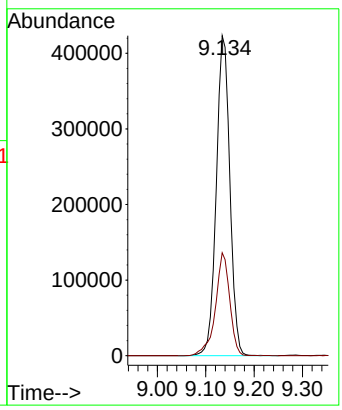




#45
1,2-Dichloropropane
Concen: 154.426 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 82203

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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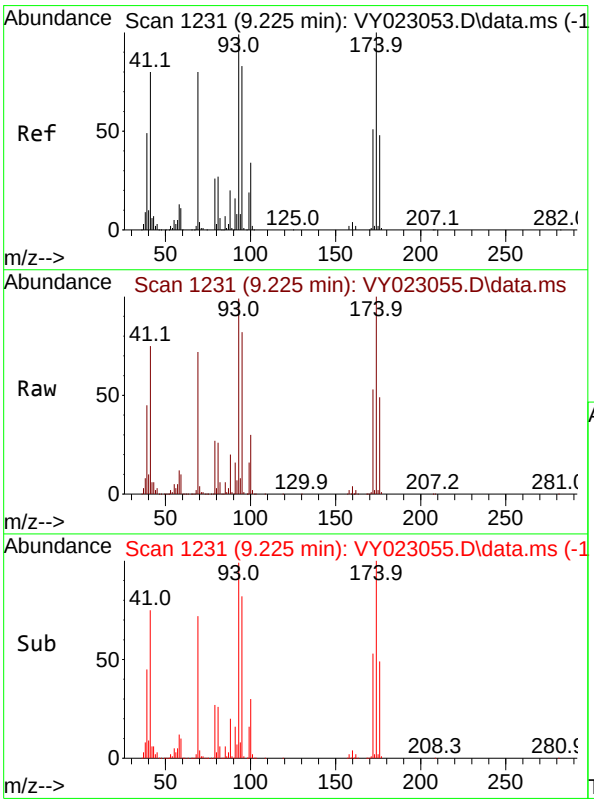
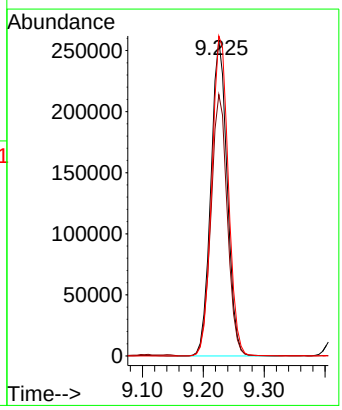
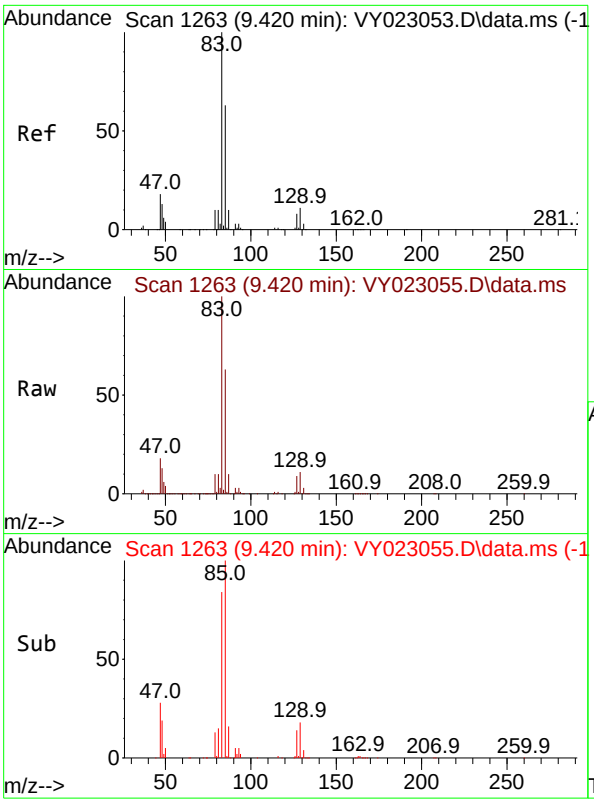


#46
Dibromomethane
Concen: 157.156 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 93 Resp: 480162

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.5	99.7
174	102.6	81.8	122.8

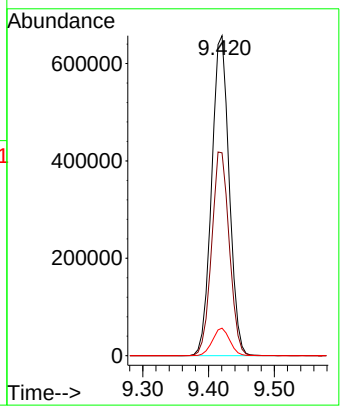




#47
Bromodichloromethane
Concen: 154.884 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 83 Resp: 121765

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	8.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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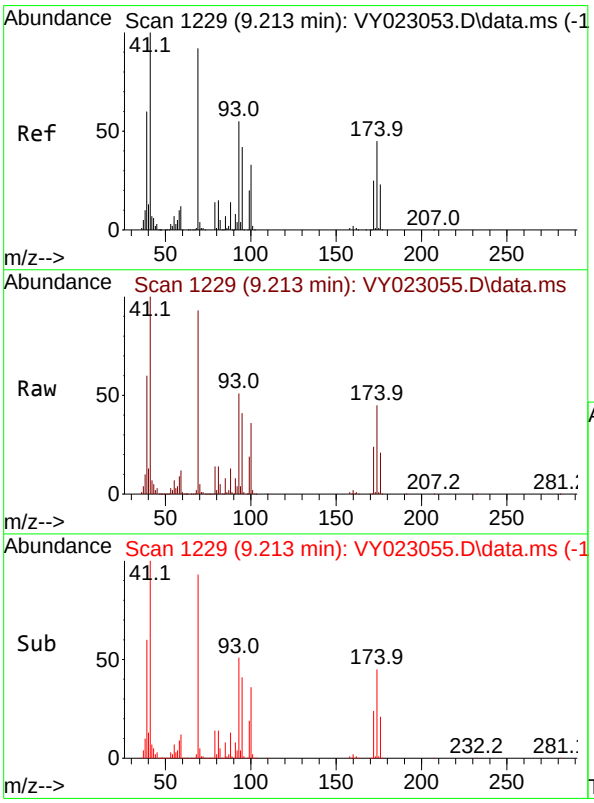
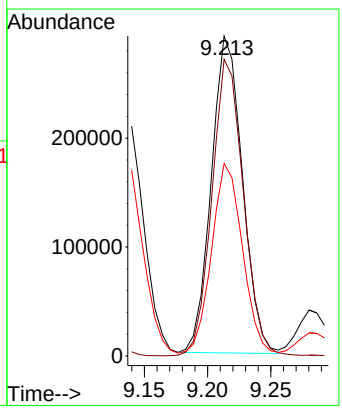
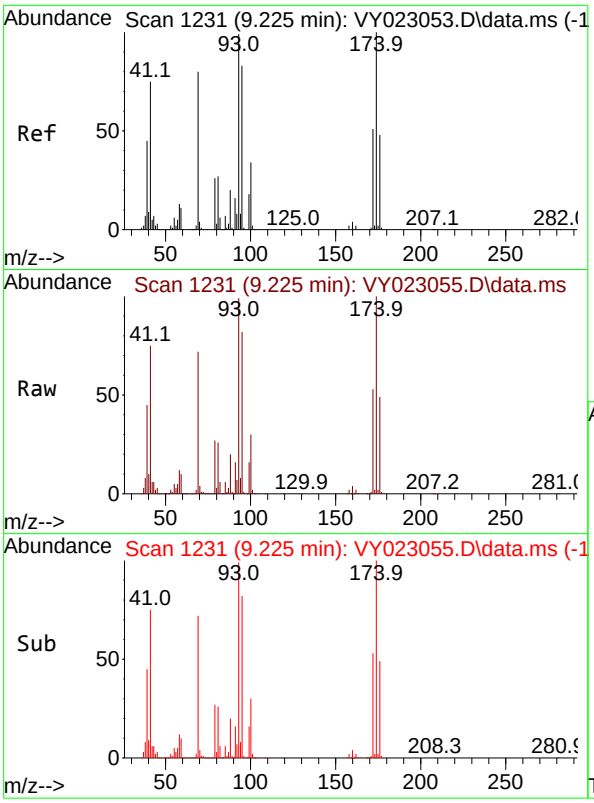


#48
Methyl methacrylate
Concen: 163.144 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 497527

Ion	Ratio	Lower	Upper
41	100		
69	95.0	73.2	109.8
39	59.3	47.0	70.4





#49
1,4-Dioxane
Concen: 3280.235 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 88 Resp: 11751

Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.3	36.5
58	67.5	55.4	83.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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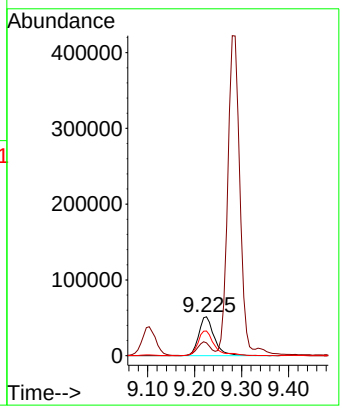
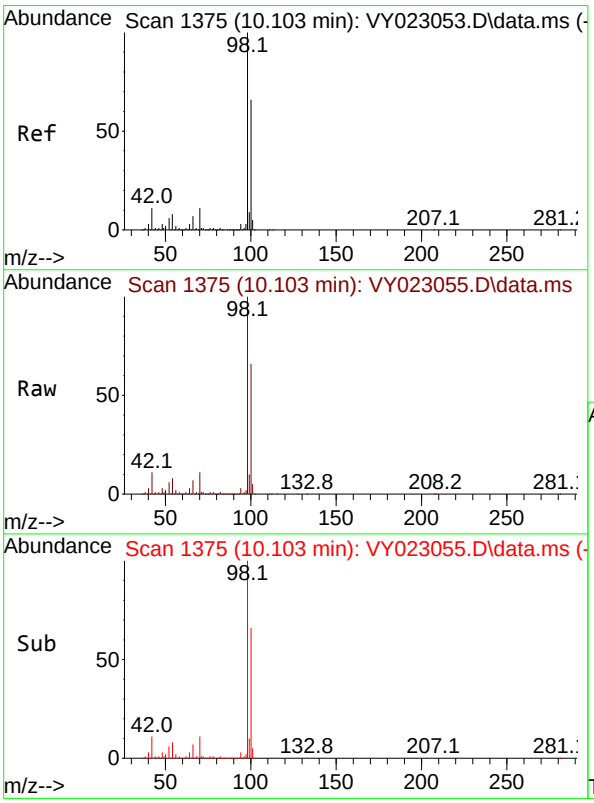
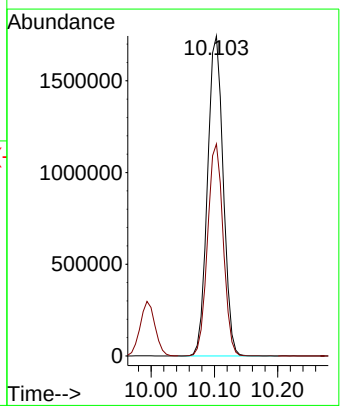


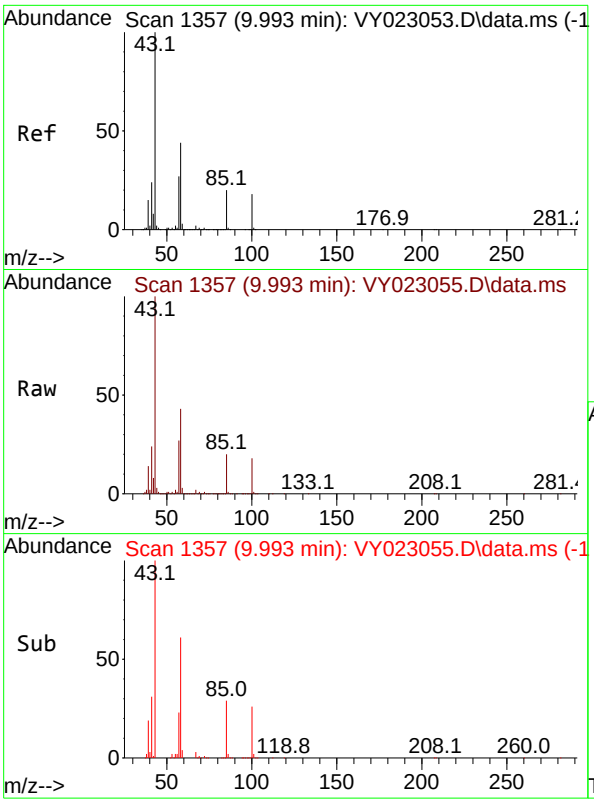


#50
Toluene-d8
Concen: 152.237 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 98 Resp: 3003834

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.3	78.5

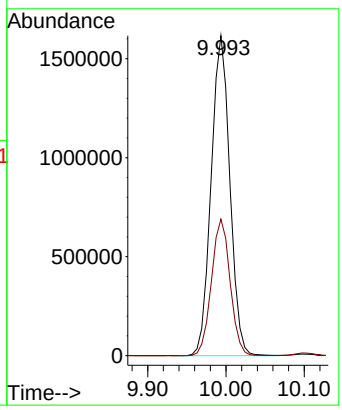




#51
4-Methyl-2-Pentanone
Concen: 814.509 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 267758

Ion	Ratio	Lower	Upper
43	100		
58	42.6	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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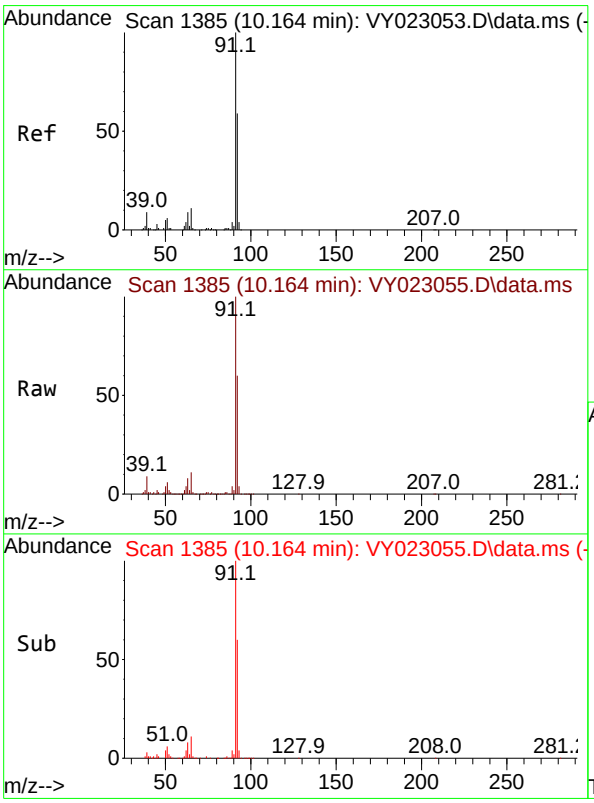
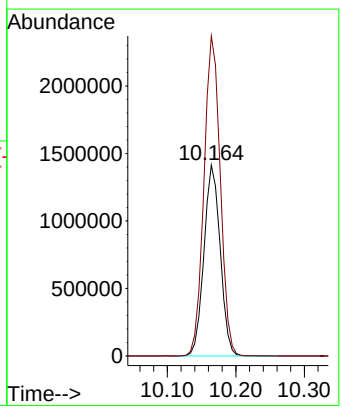
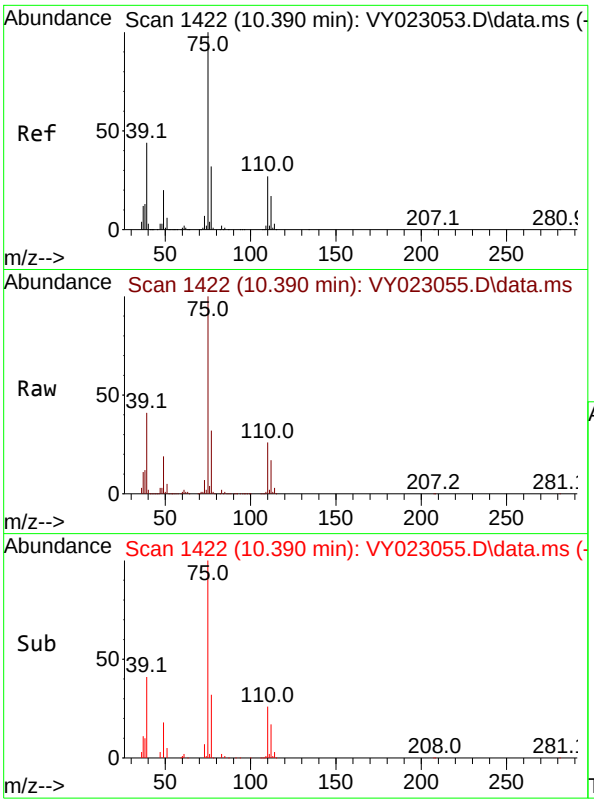


#52
Toluene
Concen: 158.762 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 92 Resp: 2332797

Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.4	204.6

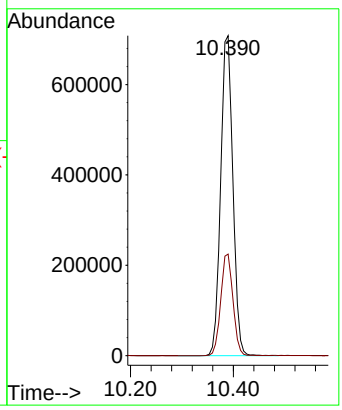




#53
t-1,3-Dichloropropene
Concen: 163.355 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 116295

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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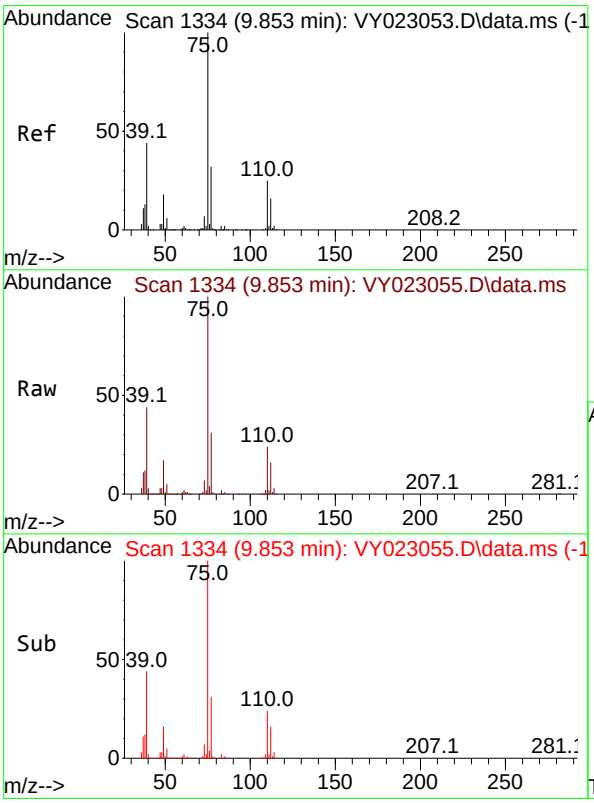
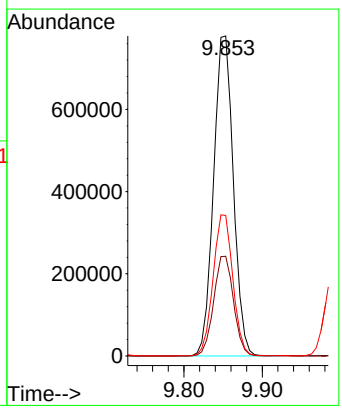
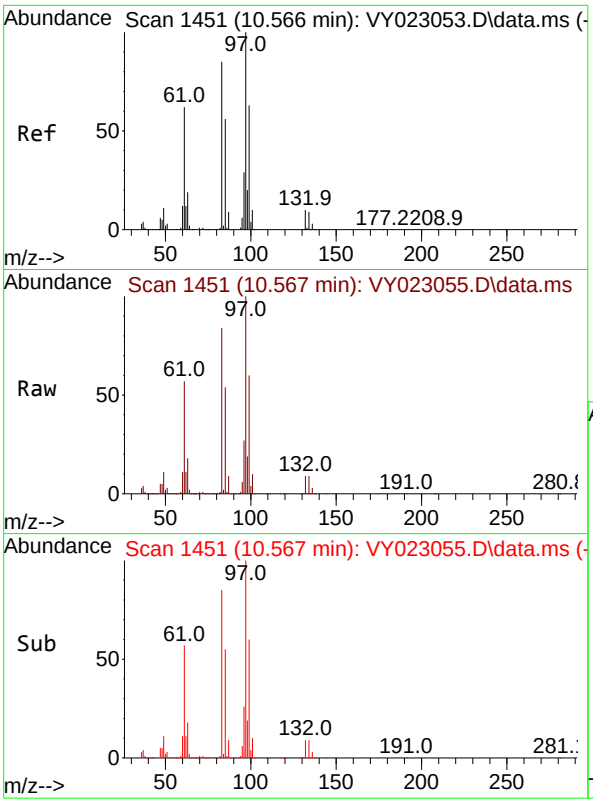


#54
cis-1,3-Dichloropropene
Concen: 162.359 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1366797

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	43.9	35.6	53.4

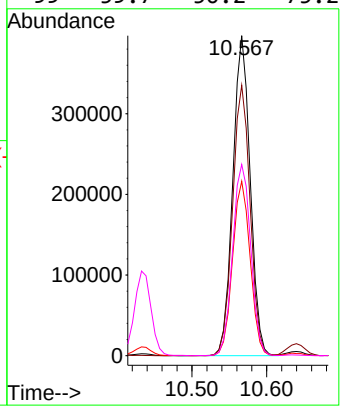




#55
1,1,2-Trichloroethane
Concen: 157.090 ug/l
RT: 10.567 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 97 Resp: 64223

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	54.5	44.5	66.7
99	59.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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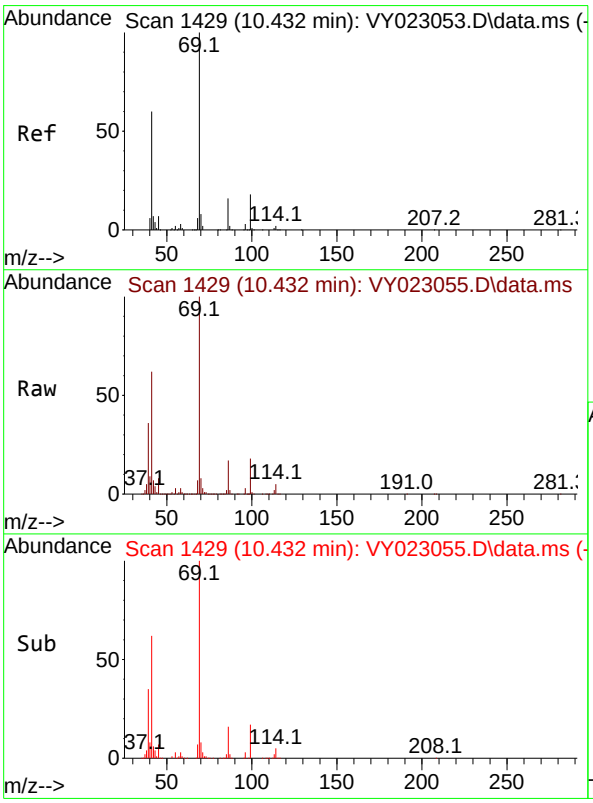
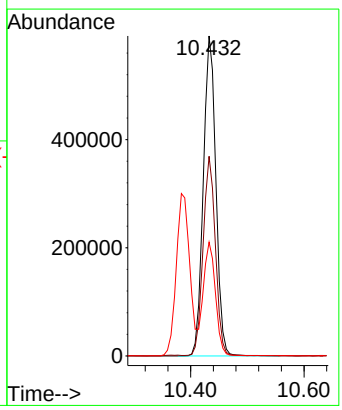
Supervised By :Semsettin Yesilyurt 08/14/2025

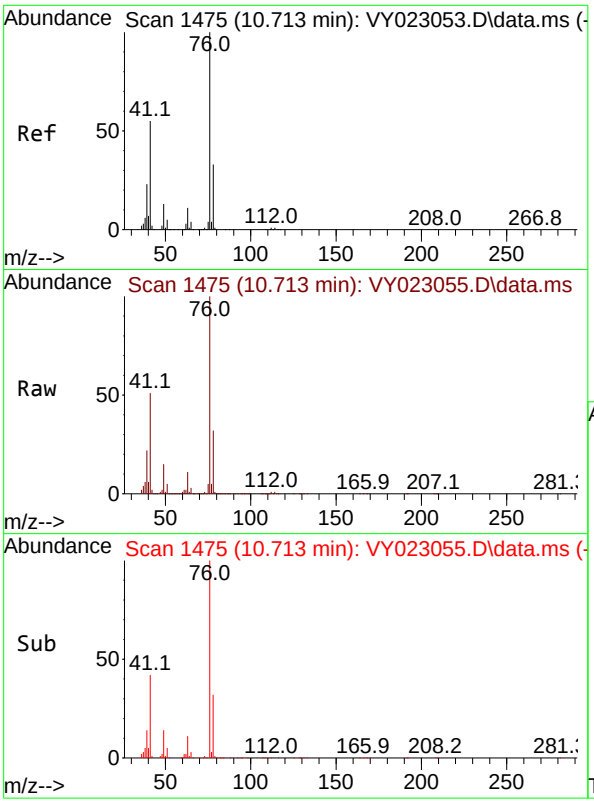


#56
Ethyl methacrylate
Concen: 173.693 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 69 Resp: 908662

Ion	Ratio	Lower	Upper
69	100		
41	60.9	48.6	72.8
39	33.4	27.0	40.4

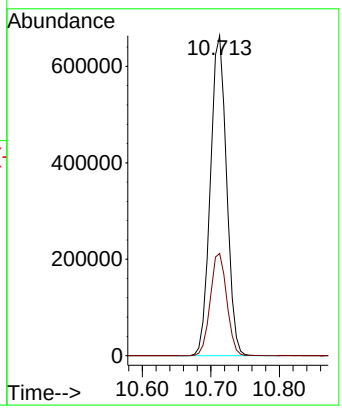




#57
1,3-Dichloropropane
Concen: 156.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 76 Resp: 108729

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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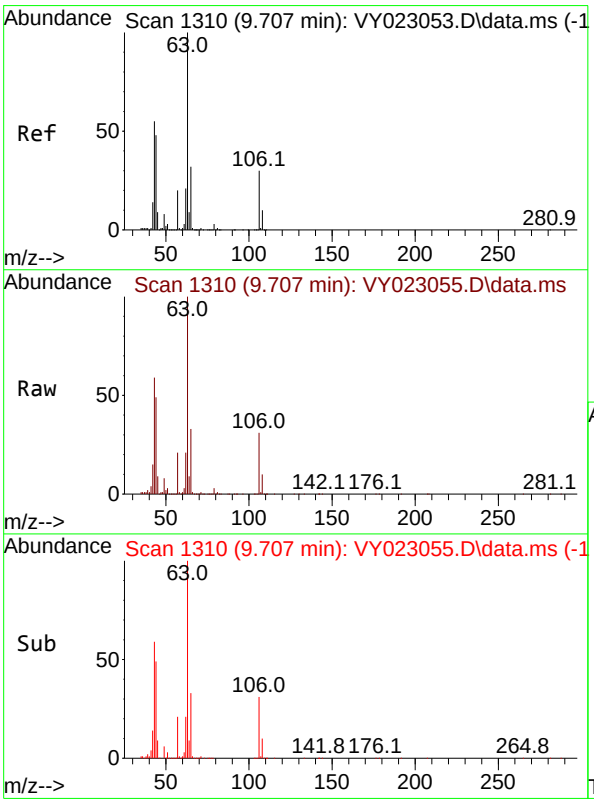
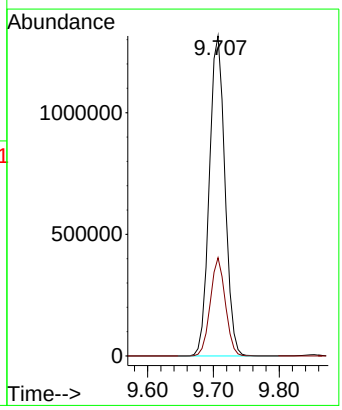
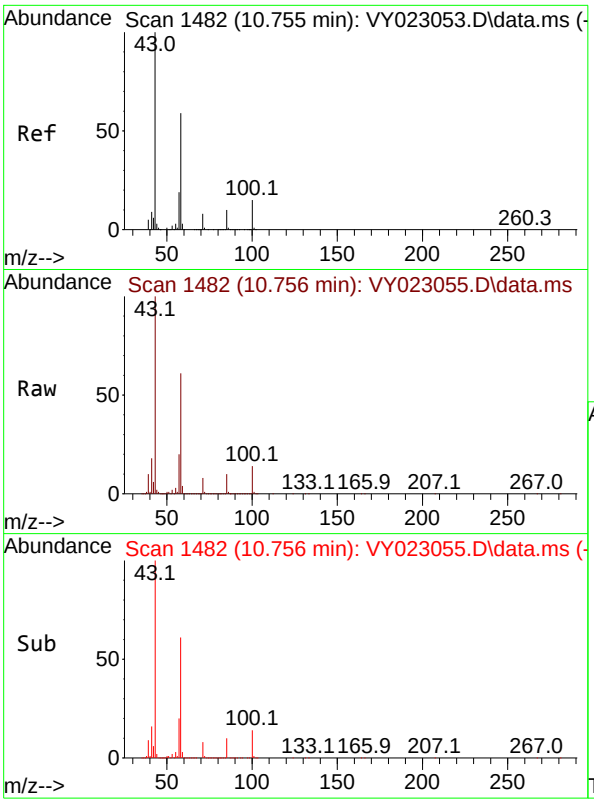


#58
2-Chloroethyl Vinyl ether
Concen: 878.488 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 2167815

Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.2	34.8





#59
2-Hexanone
Concen: 825.606 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 184809

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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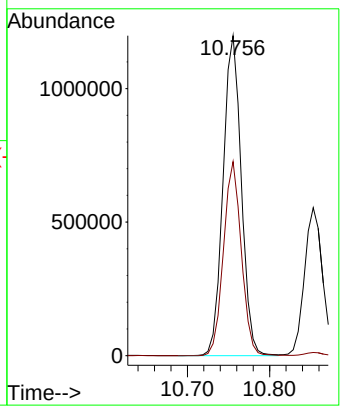
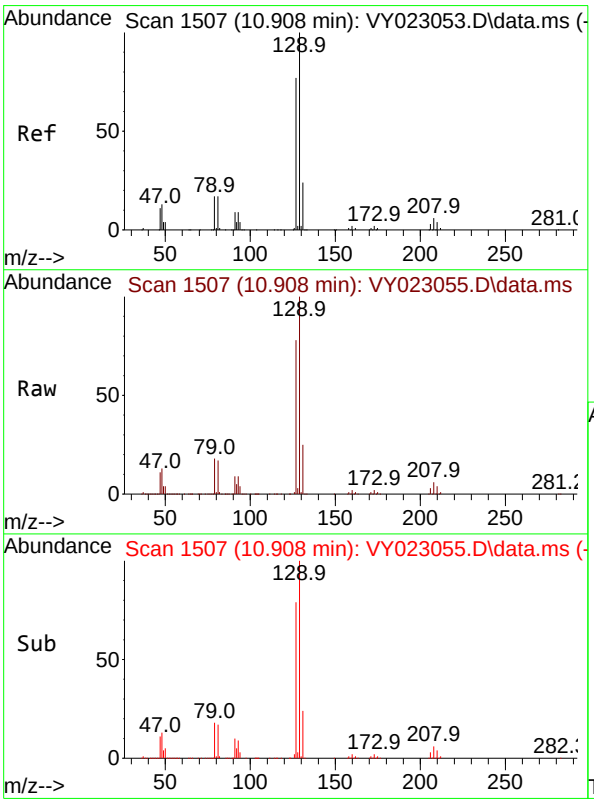
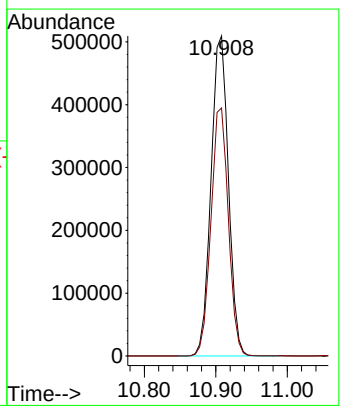


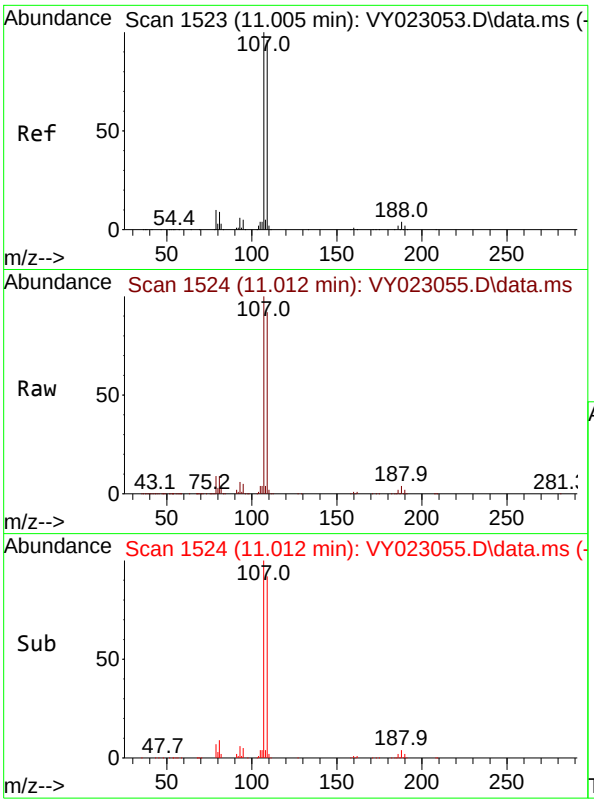


#60
Dibromochloromethane
Concen: 159.454 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:129 Resp: 860181

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5

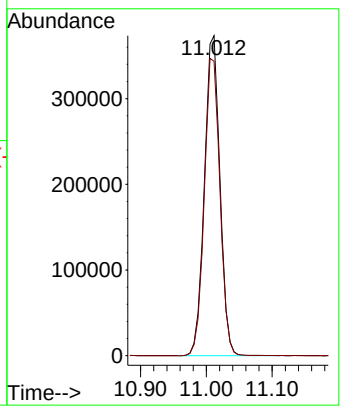




#61
1,2-Dibromoethane
Concen: 159.546 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:107 Resp: 61306

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.6	113.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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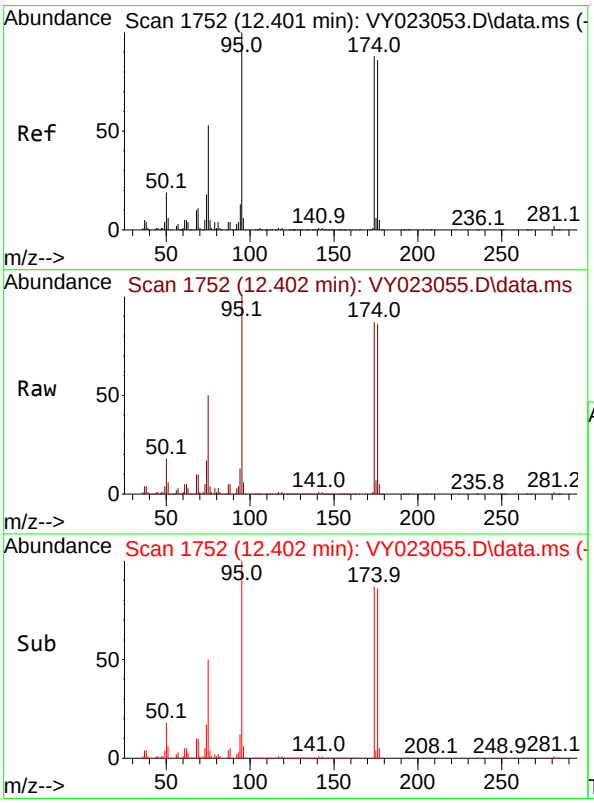
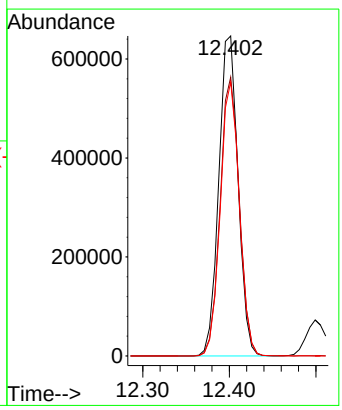
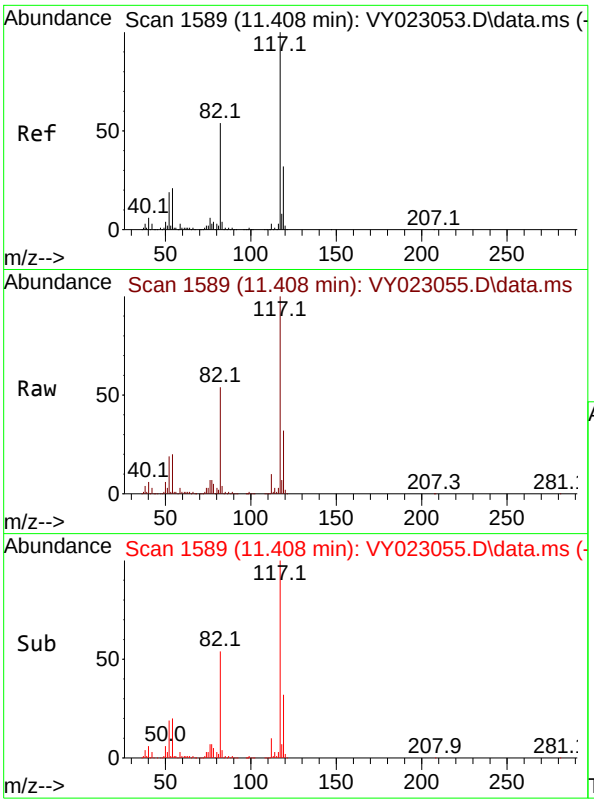


#62
4-Bromofluorobenzene
Concen: 157.326 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 95 Resp: 998318

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	171.6
176	84.6	0.0	167.6

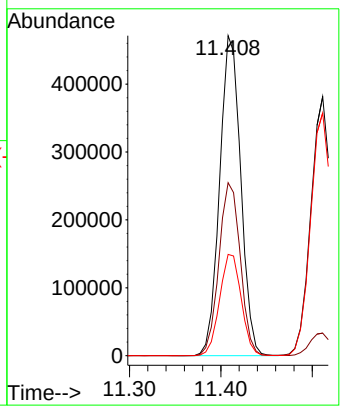




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:117 Resp: 75636

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	31.7	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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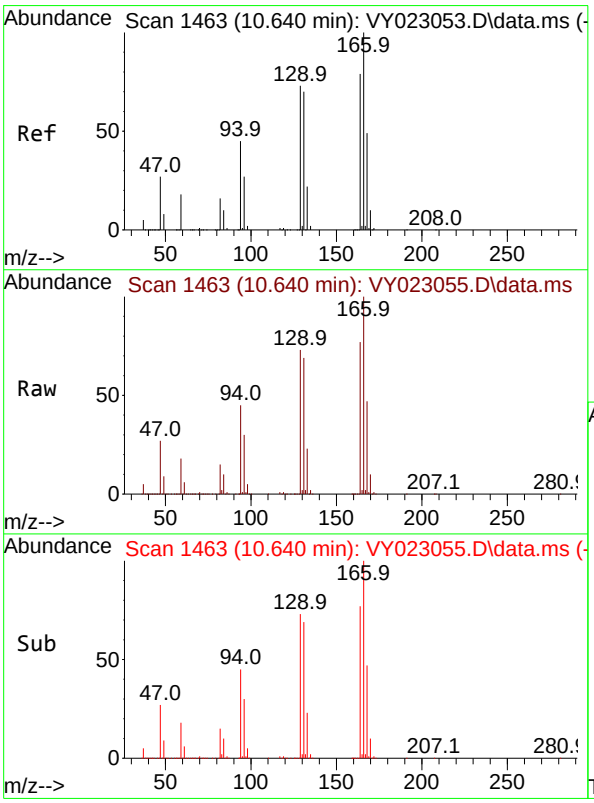
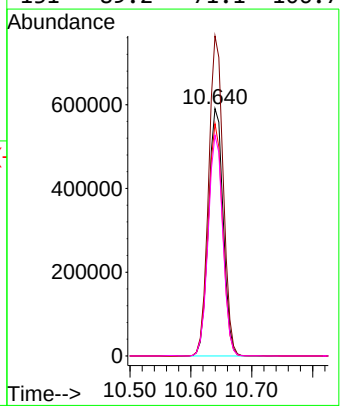
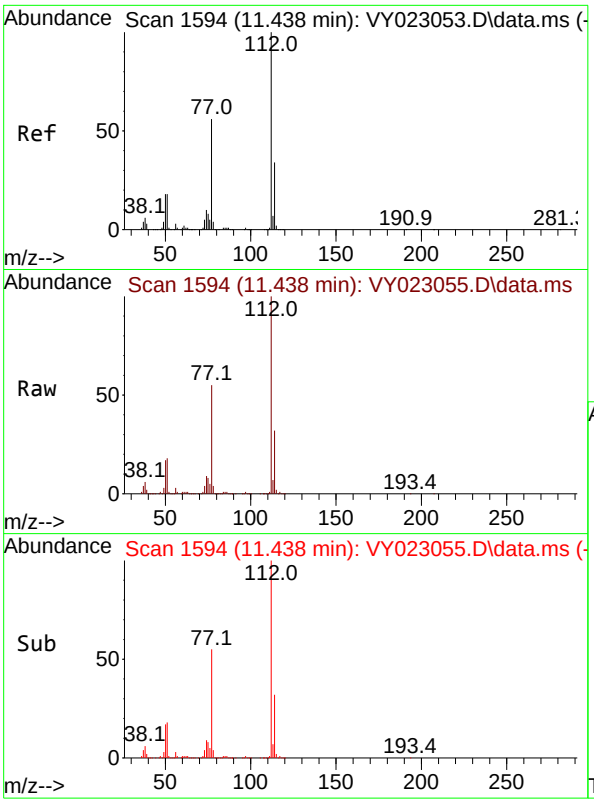


#64
Tetrachloroethene
Concen: 146.682 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:164 Resp: 990664

Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.1	151.7
129	93.9	74.0	111.0
131	89.2	71.1	106.7

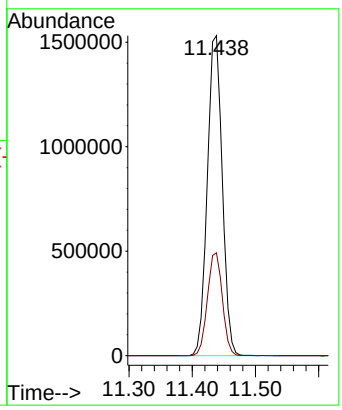




#65
Chlorobenzene
Concen: 154.514 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:112 Resp: 252087

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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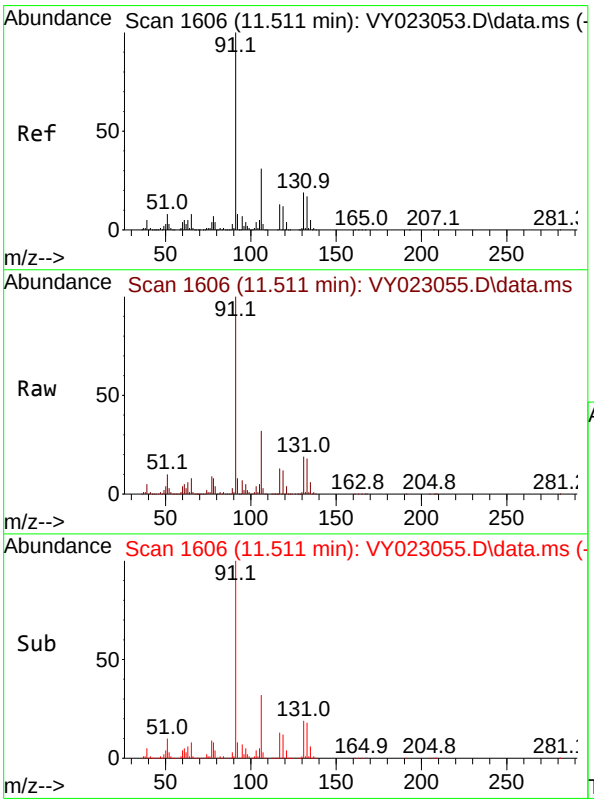
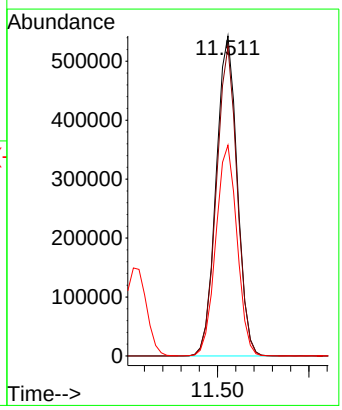
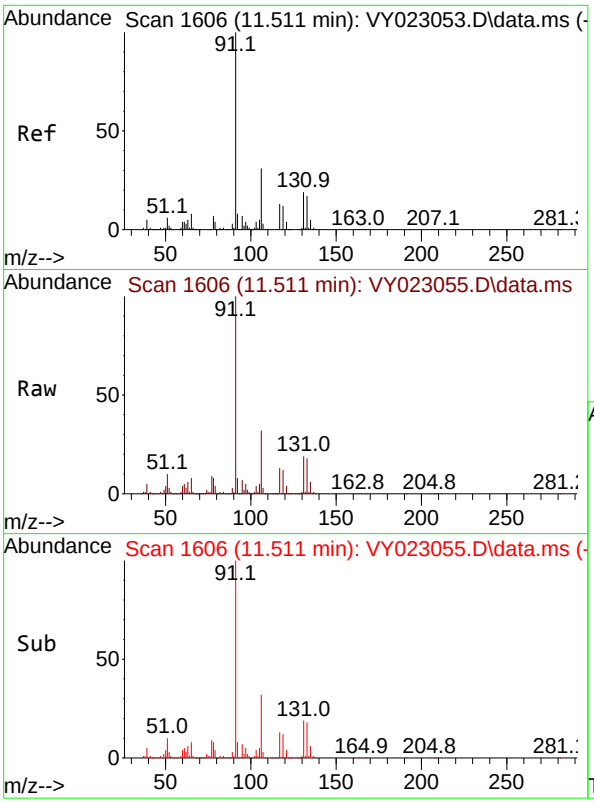


#66
1,1,1,2-Tetrachloroethane
Concen: 157.304 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:131 Resp: 871003

Ion	Ratio	Lower	Upper
131	100		
133	95.1	46.9	140.6
119	66.5	33.2	99.6

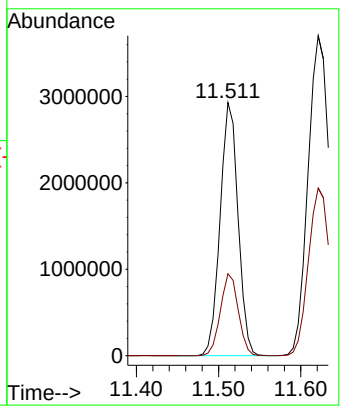




#67
Ethyl Benzene
Concen: 158.093 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 443866

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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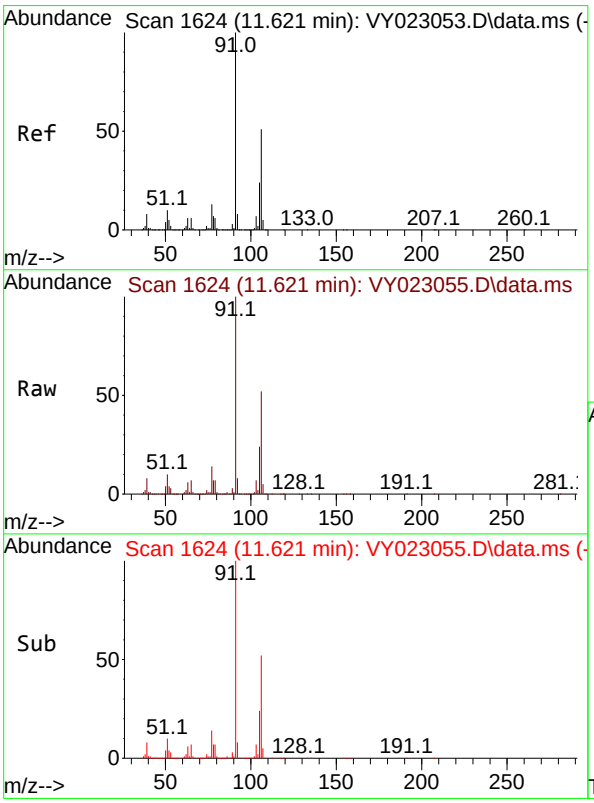
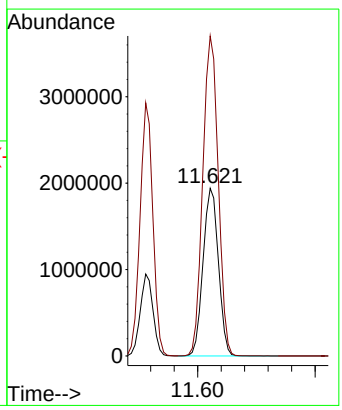
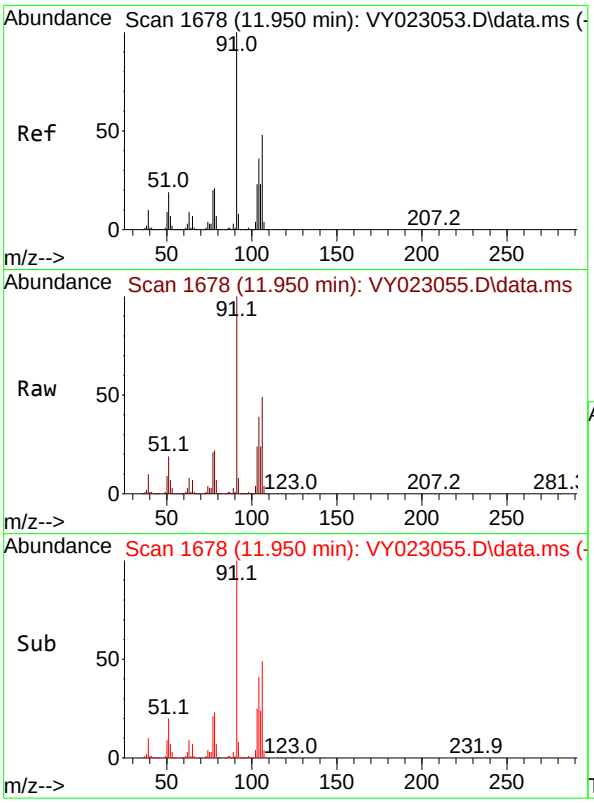


#68
m/p-Xylenes
Concen: 320.251 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:106 Resp: 3511726

Ion	Ratio	Lower	Upper
106	100		
91	192.1	158.6	238.0





#69
o-Xylene
Concen: 163.941 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:106 Resp: 168372

Ion	Ratio	Lower	Upper
106	100		
91	205.5	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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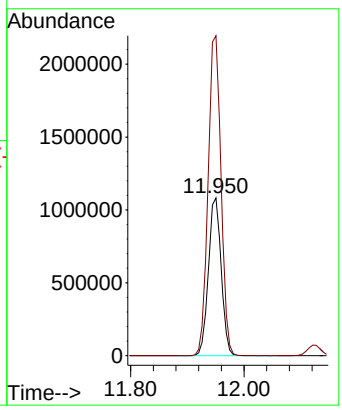
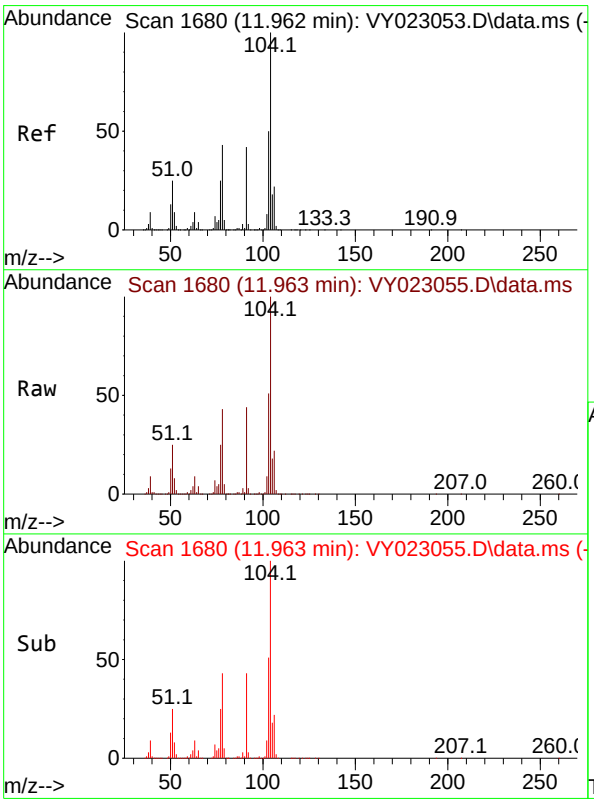
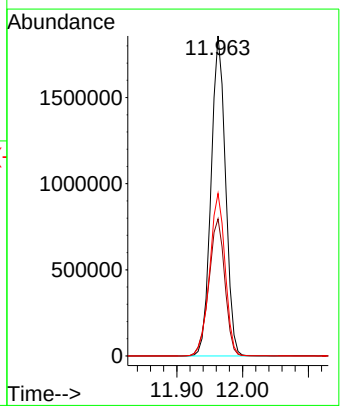


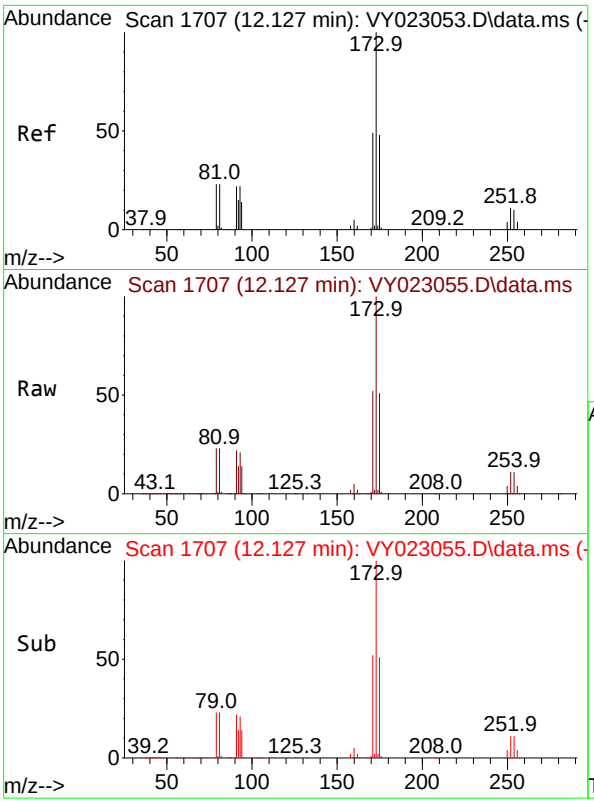


#70
Styrene
Concen: 169.475 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:104 Resp: 2846443

Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.5	57.7
103	54.3	43.7	65.5

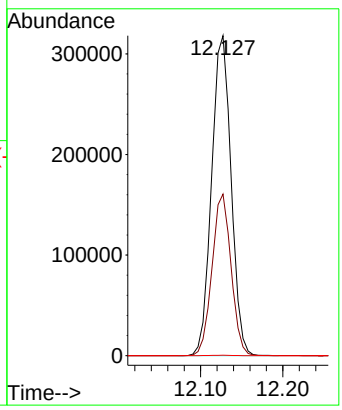




#71
Bromoform
Concen: 161.778 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:173 Resp: 52354

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.7
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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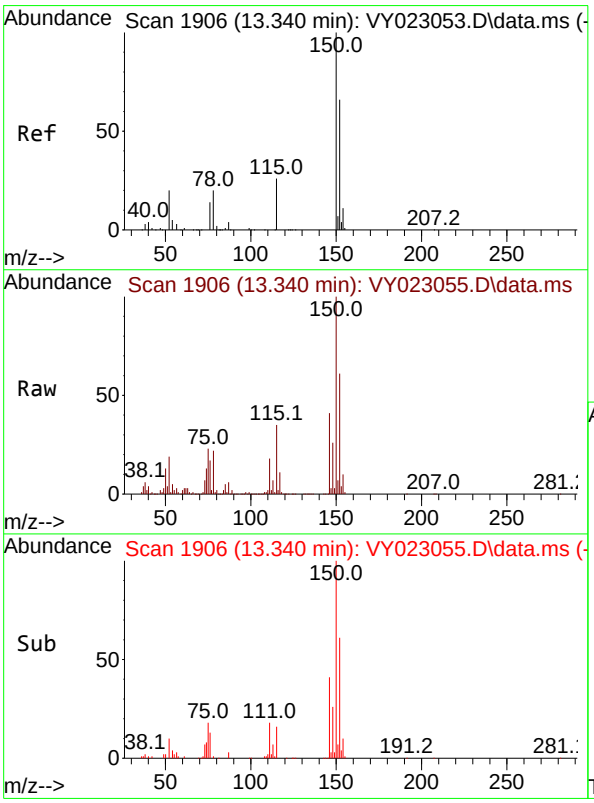
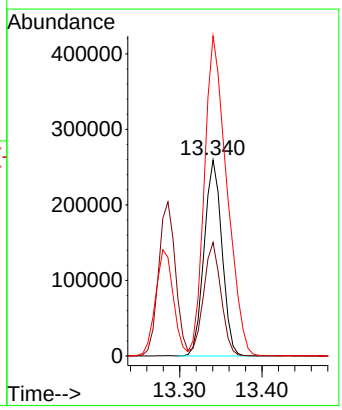
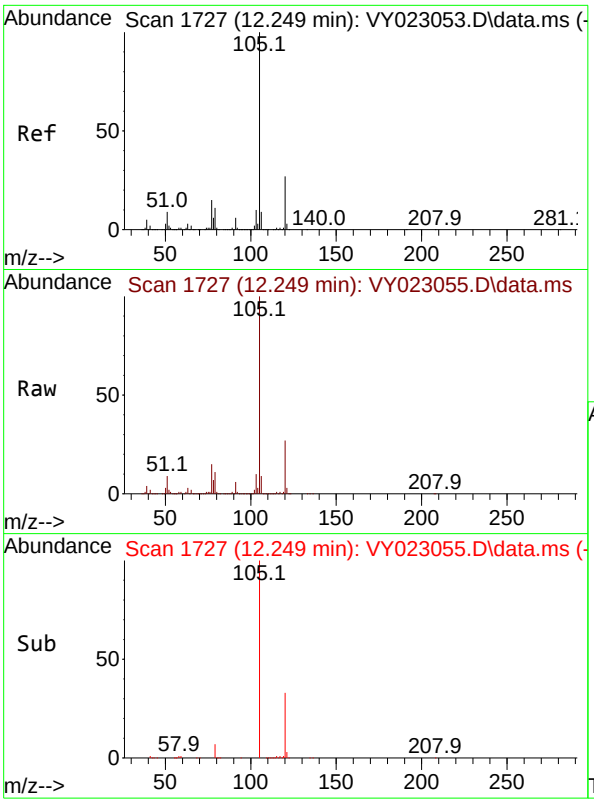


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:152 Resp: 389949

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.6
150	205.8	0.0	348.0

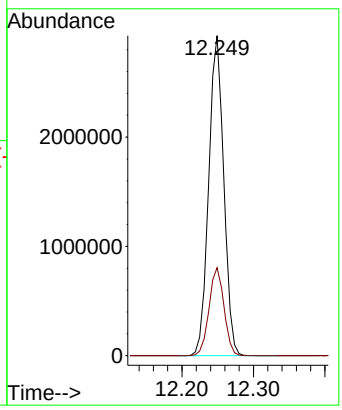




#73
Isopropylbenzene
Concen: 155.145 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 426994

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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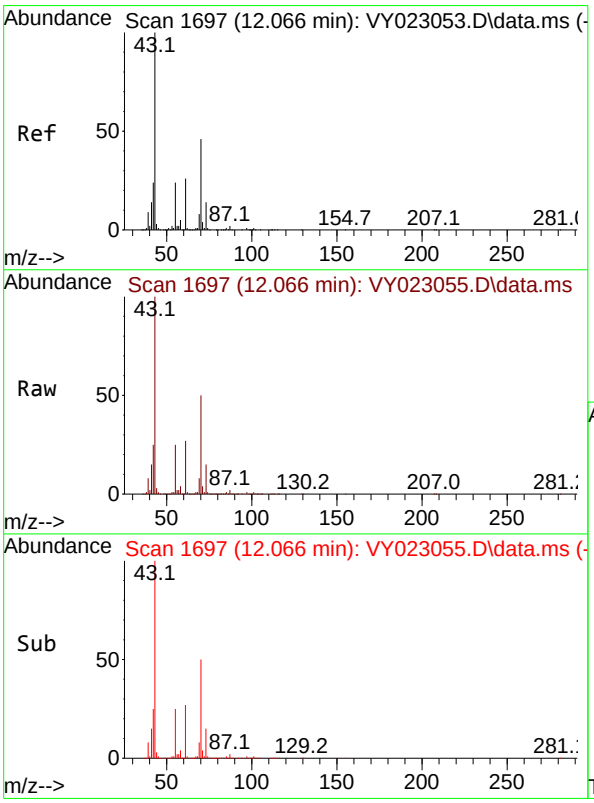
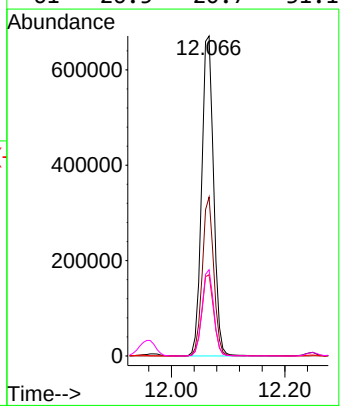
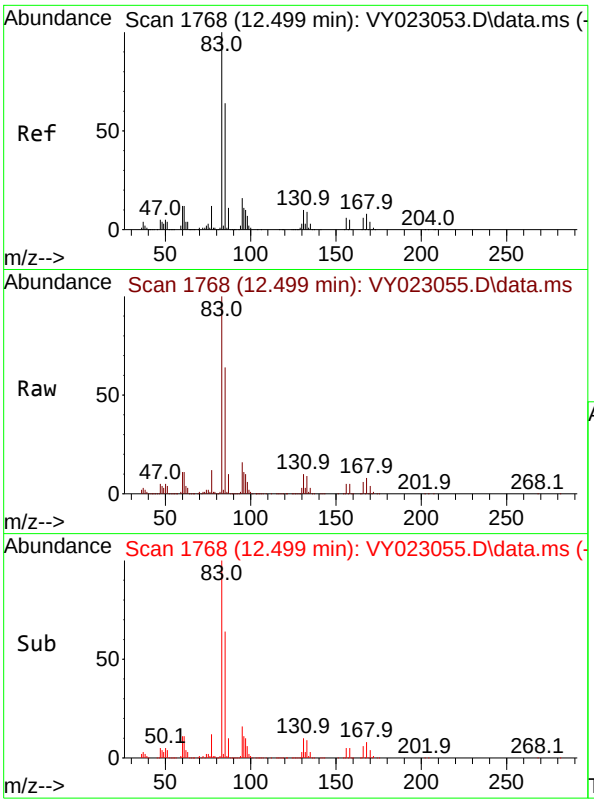


#74
N-amyl acetate
Concen: 168.265 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 982090

Ion	Ratio	Lower	Upper
43	100		
70	47.8	37.5	56.3
55	25.3	20.7	31.1
61	26.5	20.7	31.1

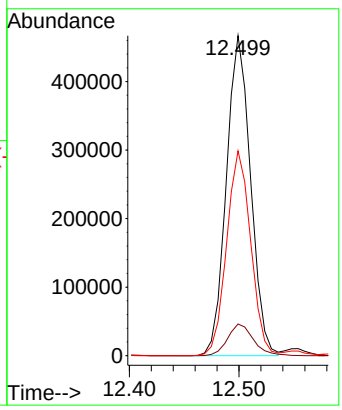




#75
1,1,2,2-Tetrachloroethane
Concen: 152.686 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 83 Resp: 71752

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	63.7	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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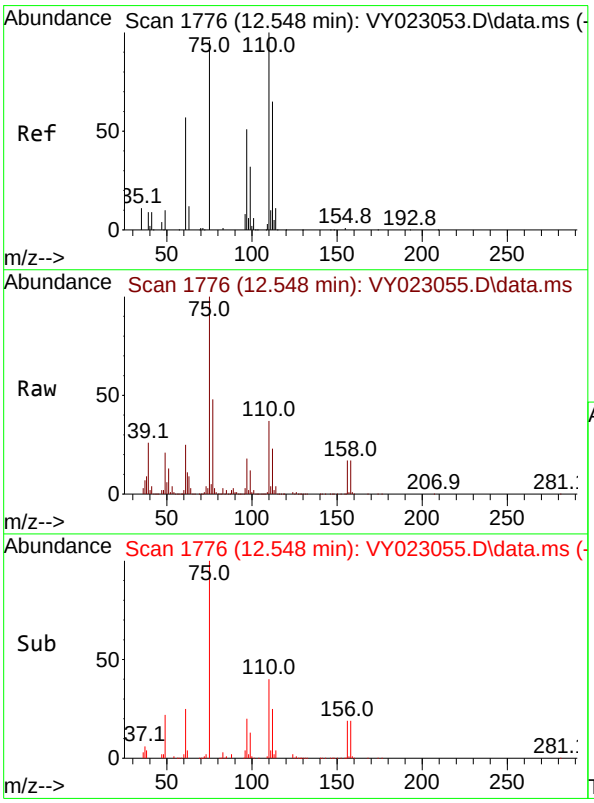
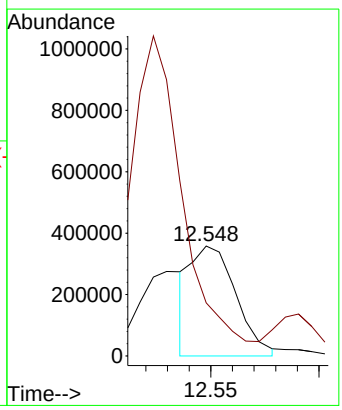
Supervised By :Semsettin Yesilyurt 08/14/2025

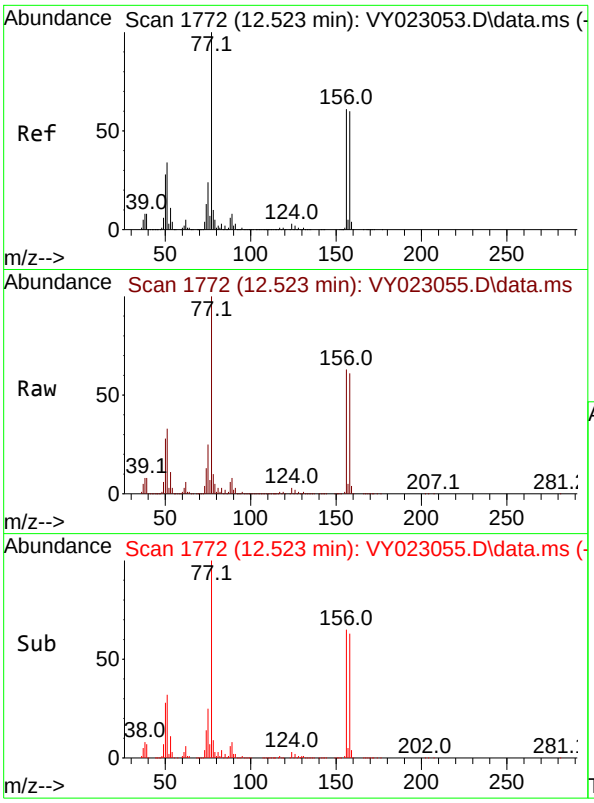


#76
1,2,3-Trichloropropane
Concen: 137.890 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 519276

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

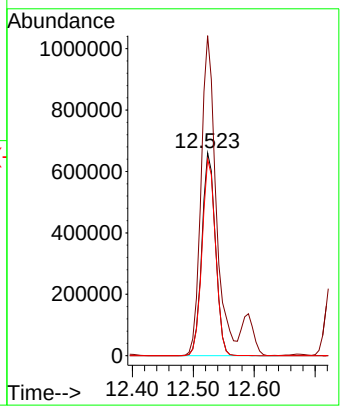




#77
Bromobenzene
Concen: 155.568 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:156 Resp: 102144

Ion	Ratio	Lower	Upper
156	100		
77	174.8	88.1	264.4
158	97.0	48.0	144.0



Instrument :
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ClientSampleId :
VSTDICC150

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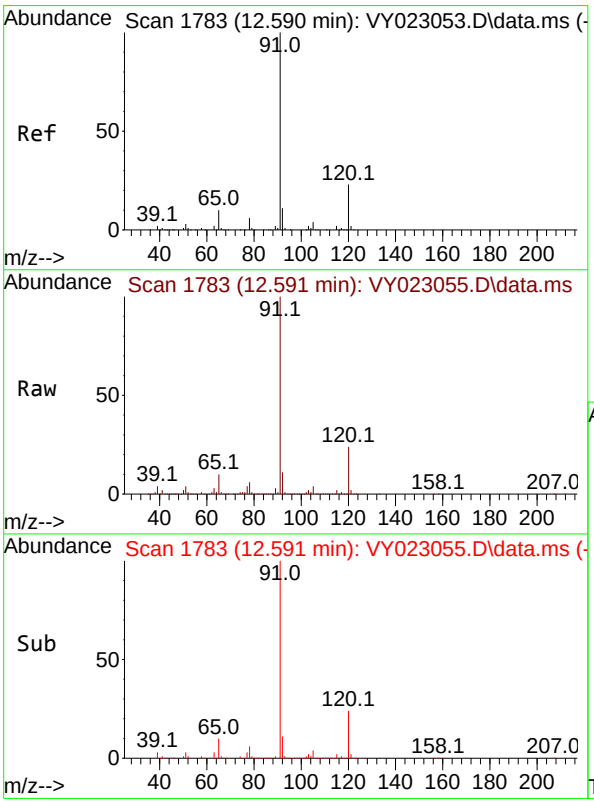
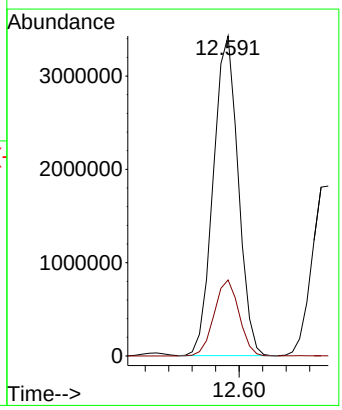
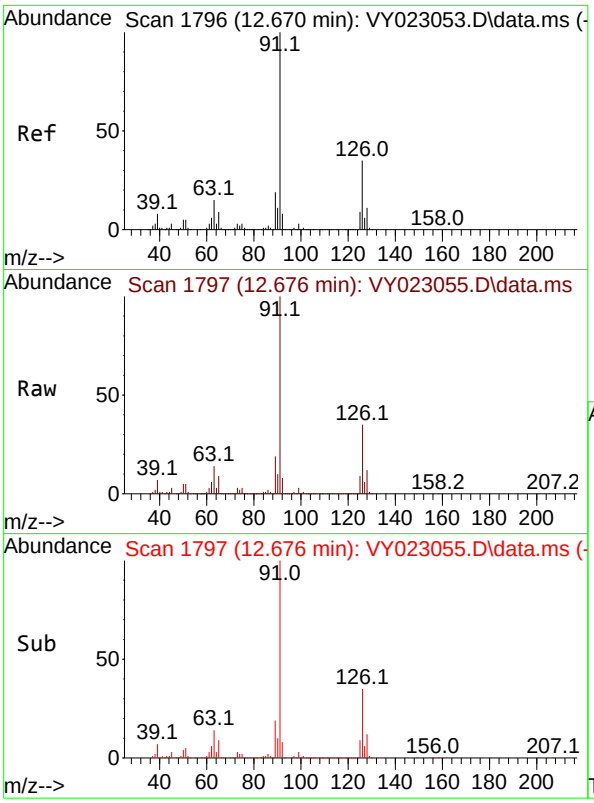


#78
n-propylbenzene
Concen: 154.058 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 5048012

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.5	34.5

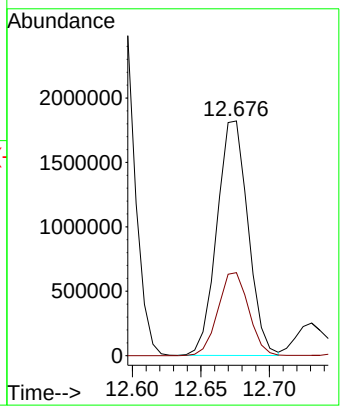




#79
2-Chlorotoluene
Concen: 153.331 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 287864

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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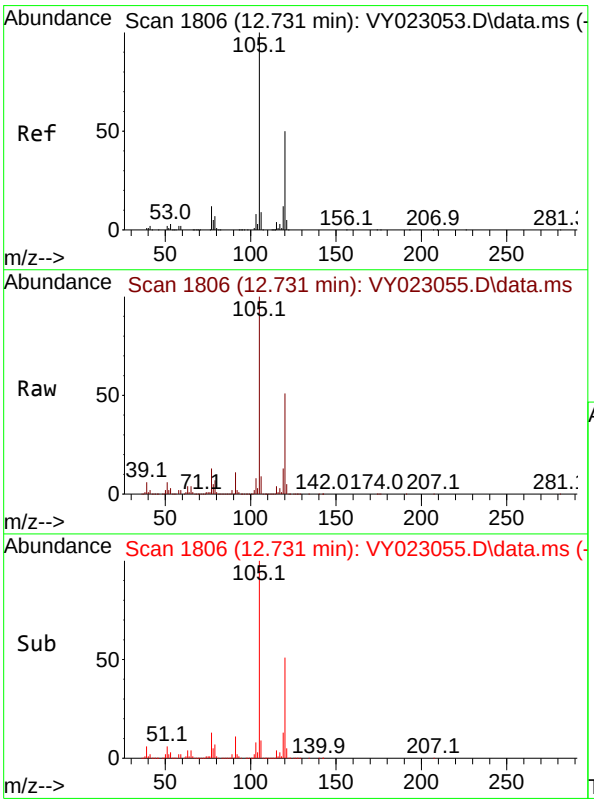
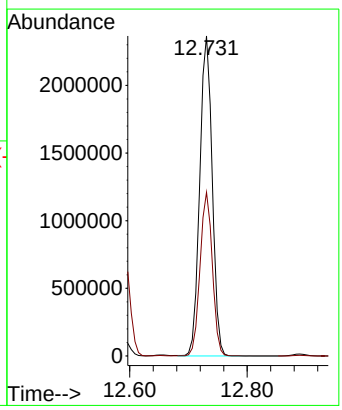
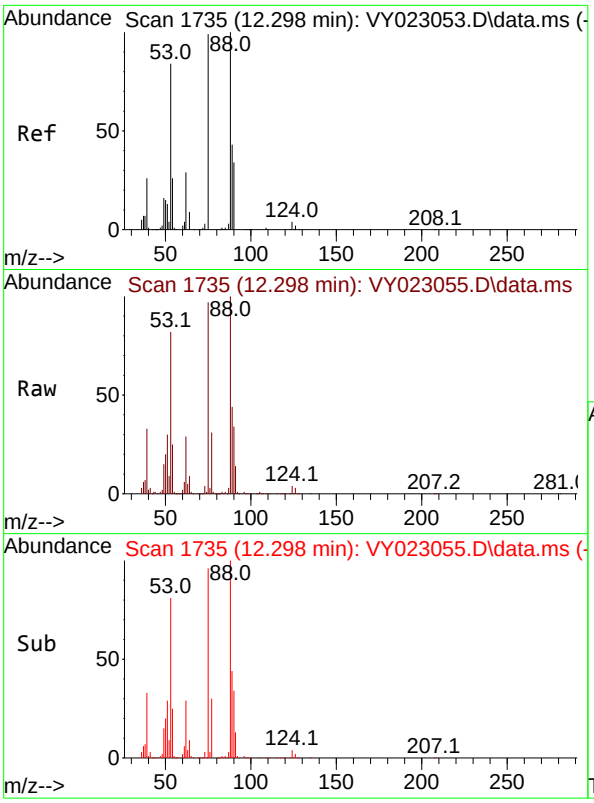


#80
1,3,5-Trimethylbenzene
Concen: 155.973 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 3469329

Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.8	74.4

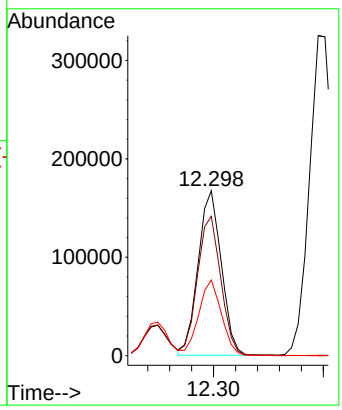




#81
trans-1,4-Dichloro-2-butene
Concen: 158.203 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 24595

Ion	Ratio	Lower	Upper
75	100		
53	85.9	70.8	106.2
89	45.5	38.1	57.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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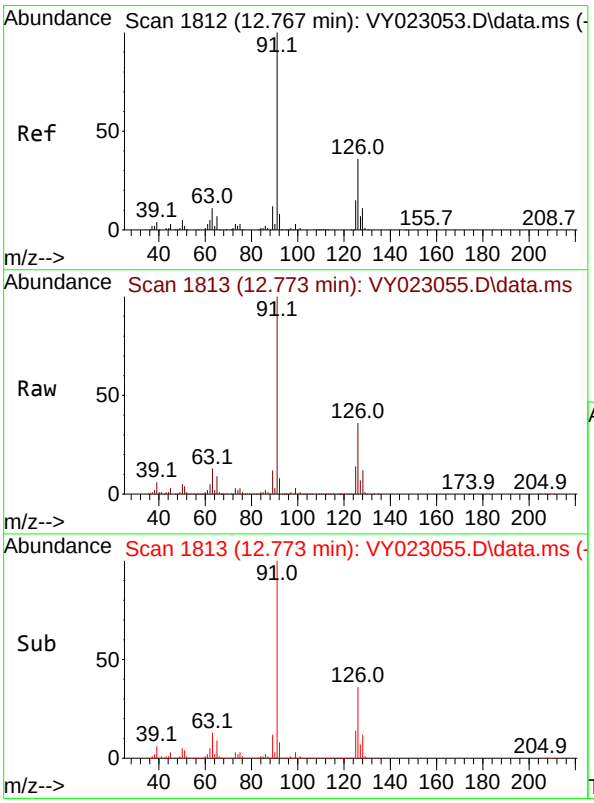
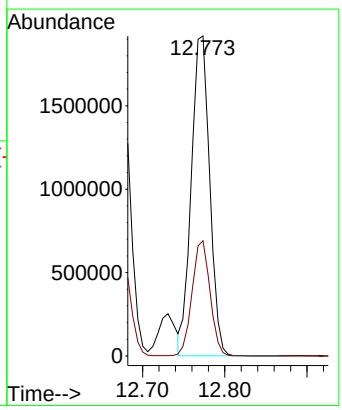
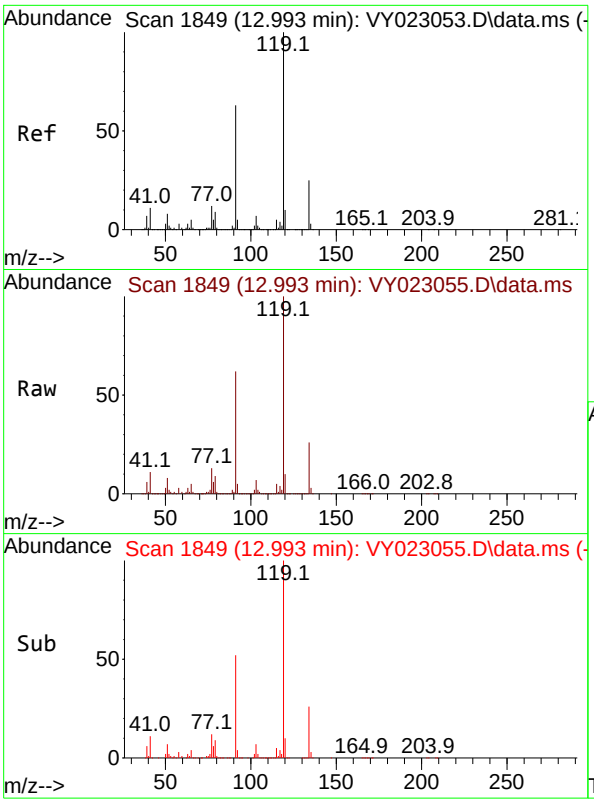


#82
4-Chlorotoluene
Concen: 153.063 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 2981042

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	52.0

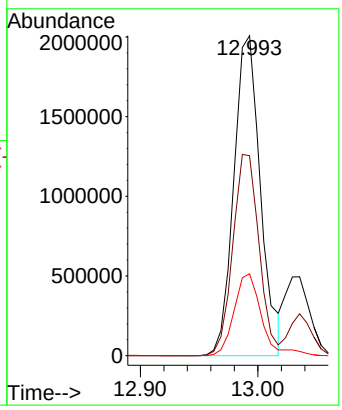




#83
tert-Butylbenzene
Concen: 157.371 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:119 Resp: 316147

Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.6	94.8
134	26.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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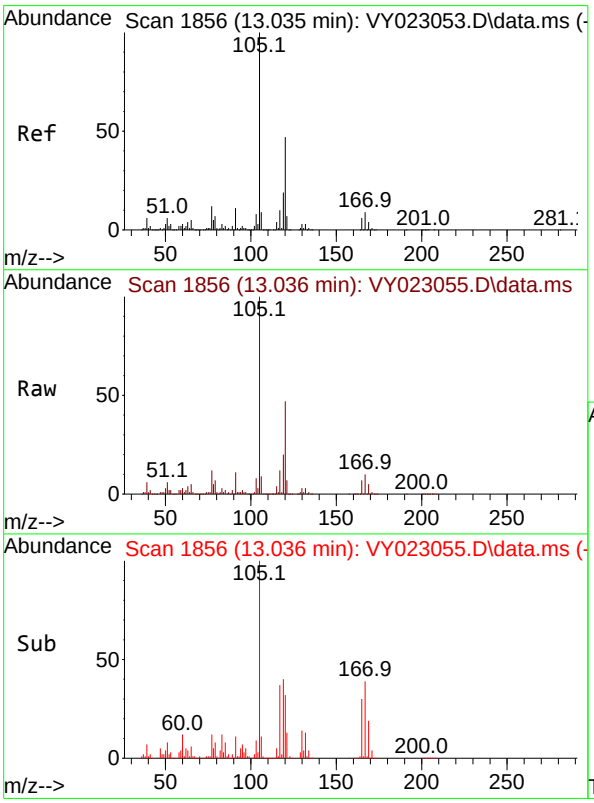
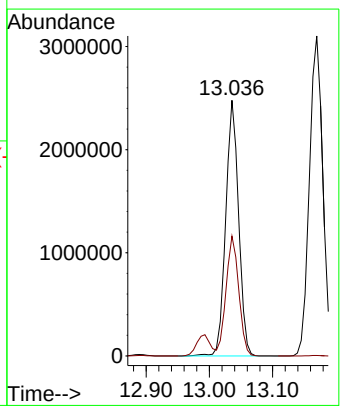
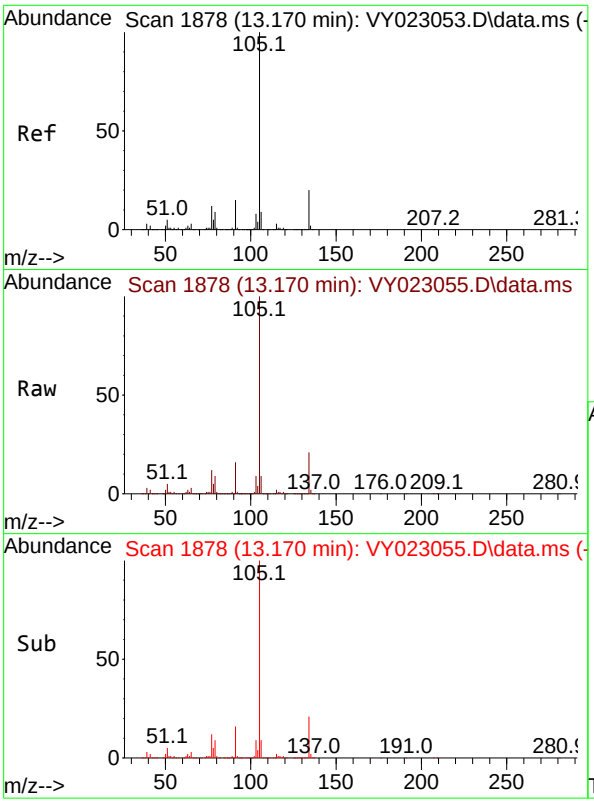


#84
1,2,4-Trimethylbenzene
Concen: 158.143 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 3501626

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0

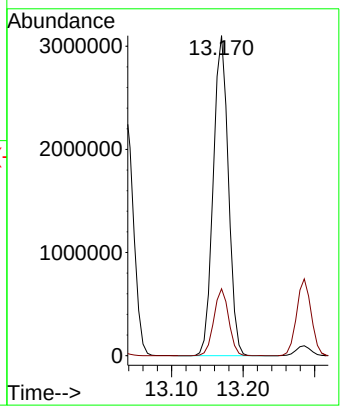




#85
sec-Butylbenzene
Concen: 153.897 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 454162

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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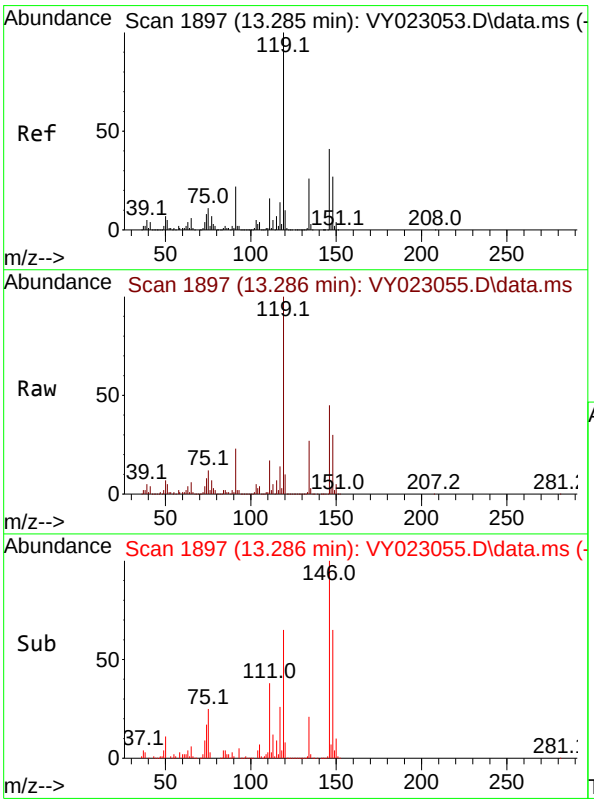
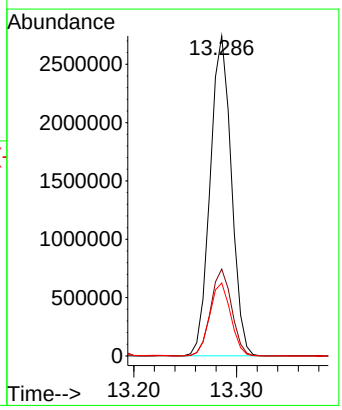
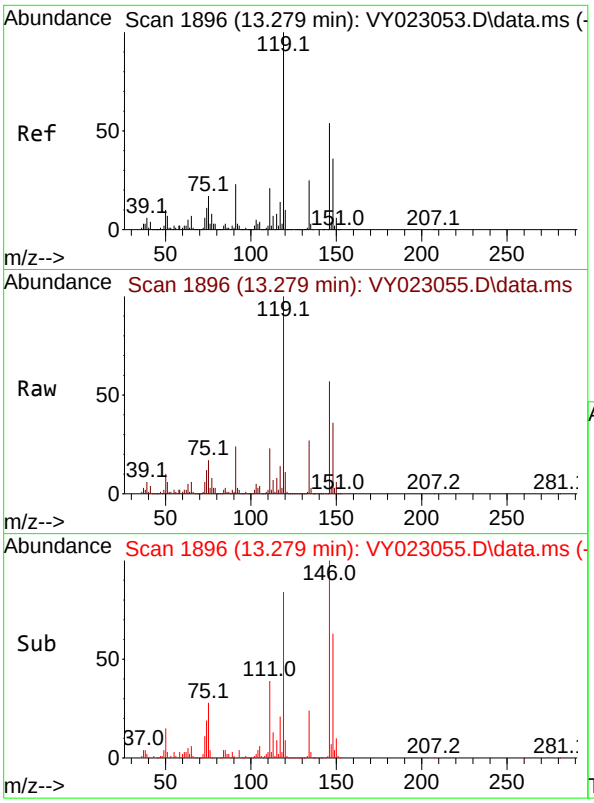


#86
p-Isopropyltoluene
Concen: 159.987 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:119 Resp: 3918969

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.2	39.6
91	22.6	11.3	33.8

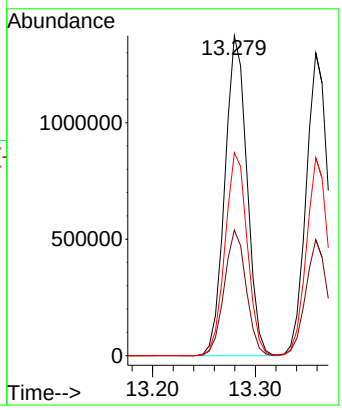




#87
1,3-Dichlorobenzene
Concen: 158.251 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:146 Resp: 204906

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.8	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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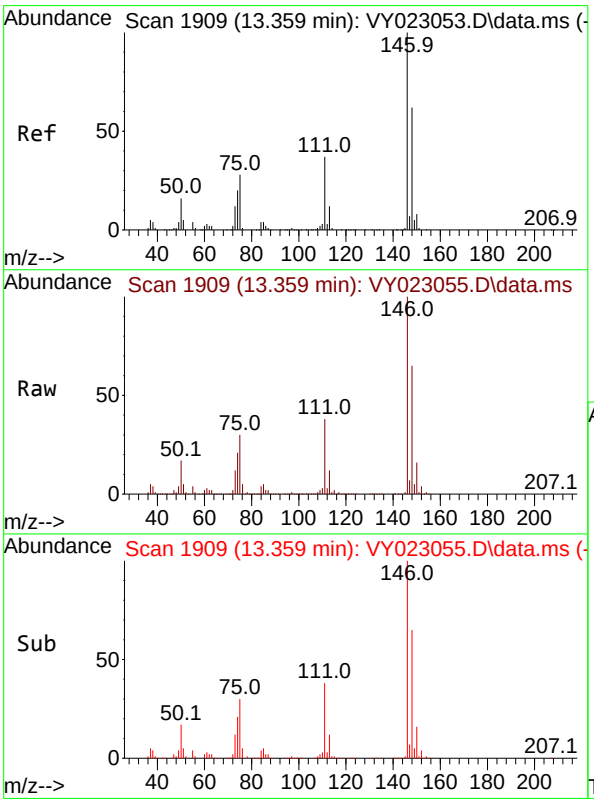
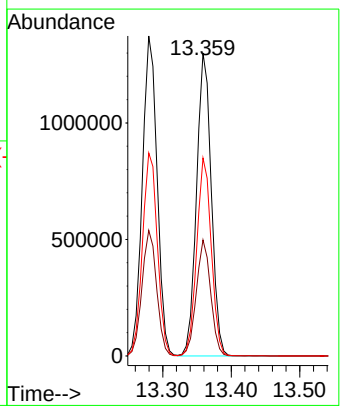
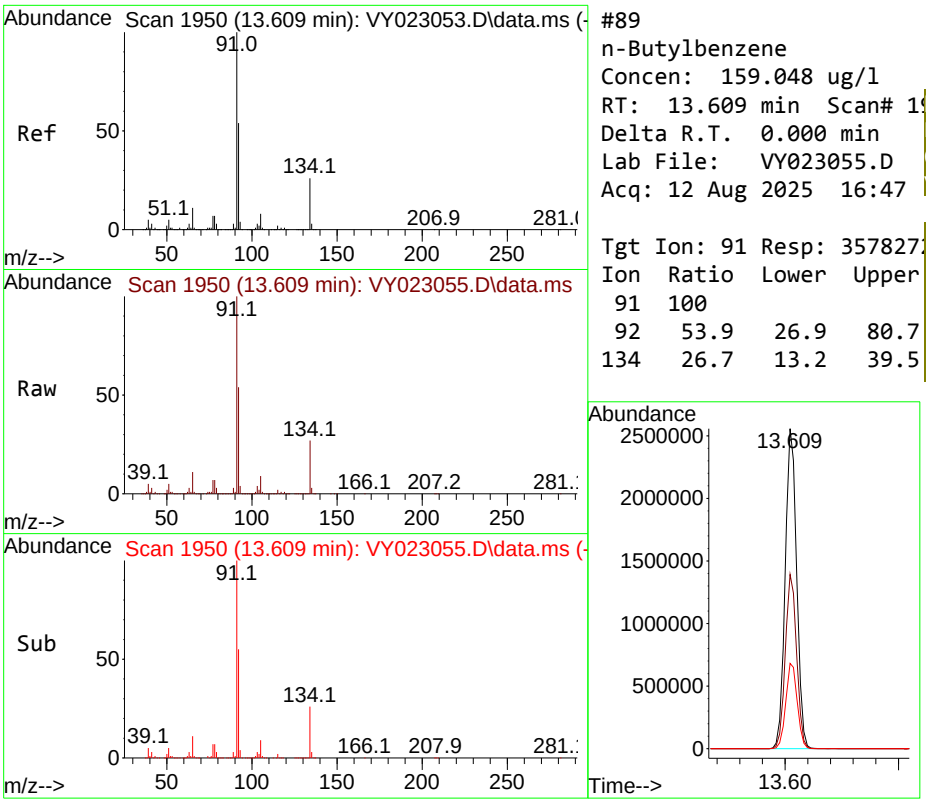


#88
1,4-Dichlorobenzene
Concen: 151.172 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:146 Resp: 1941716

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	64.7	31.6	94.7





#89
n-Butylbenzene
Concen: 159.048 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 357827

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.7
134	26.7	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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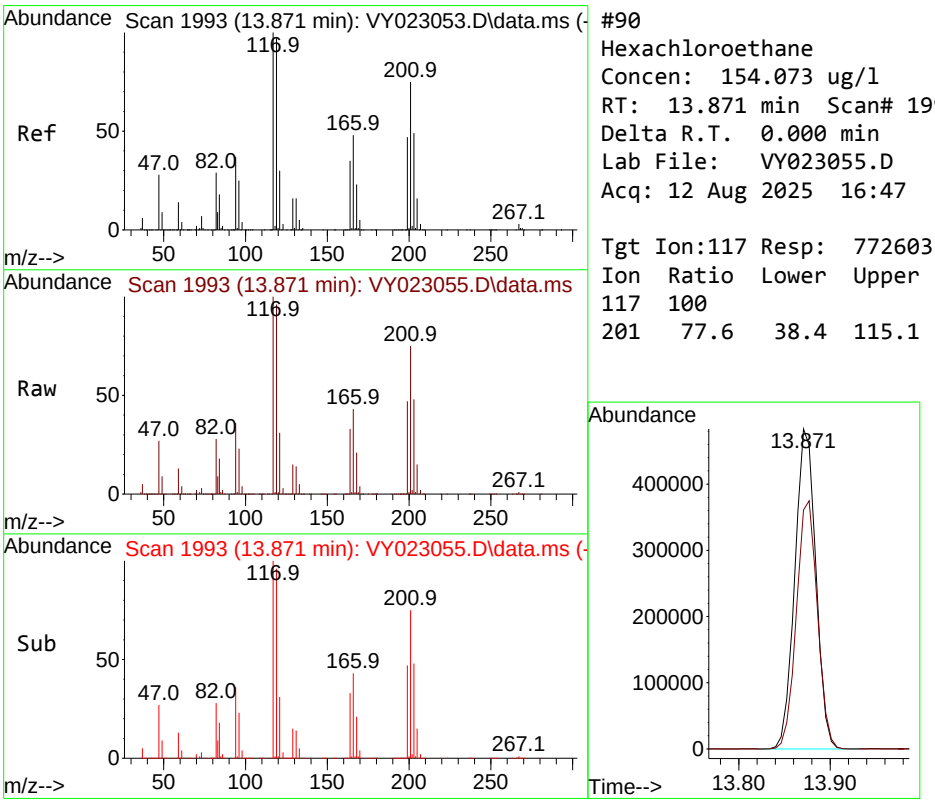
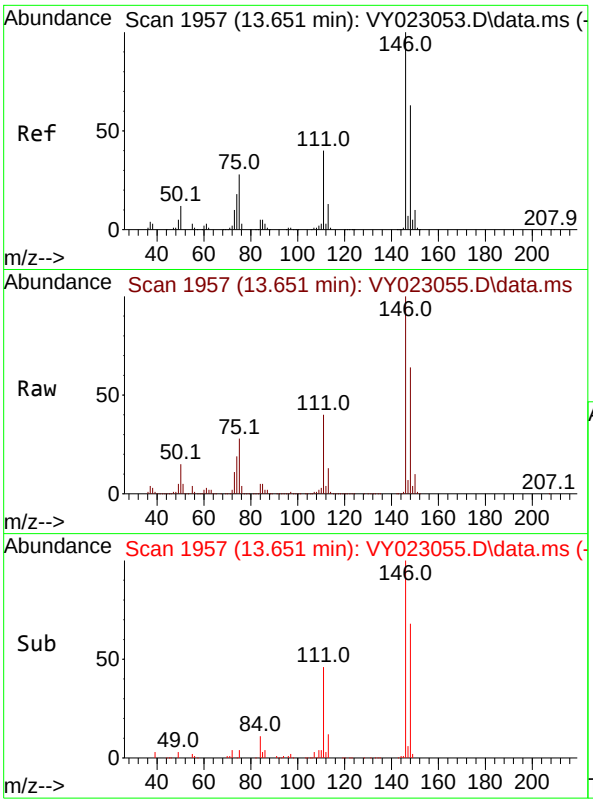


#90
Hexachloroethane
Concen: 154.073 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:117 Resp: 772603

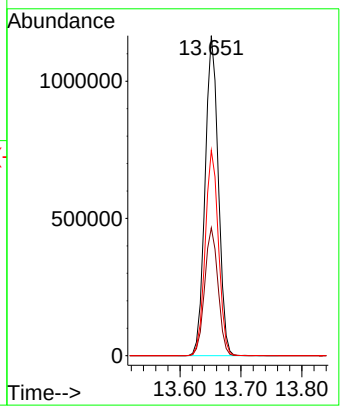
Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.4	115.1



#91
1,2-Dichlorobenzene
Concen: 154.469 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:146 Resp: 175410

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	64.2	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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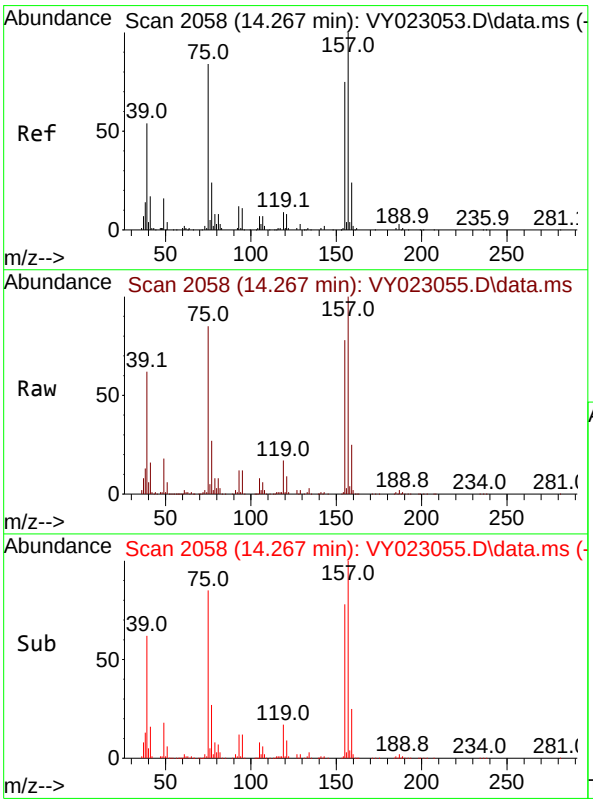
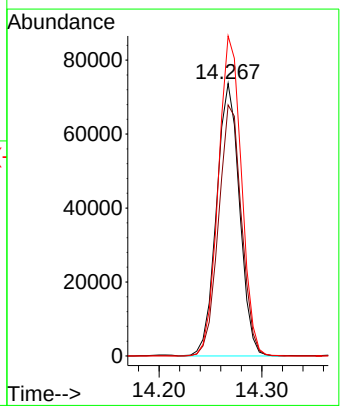
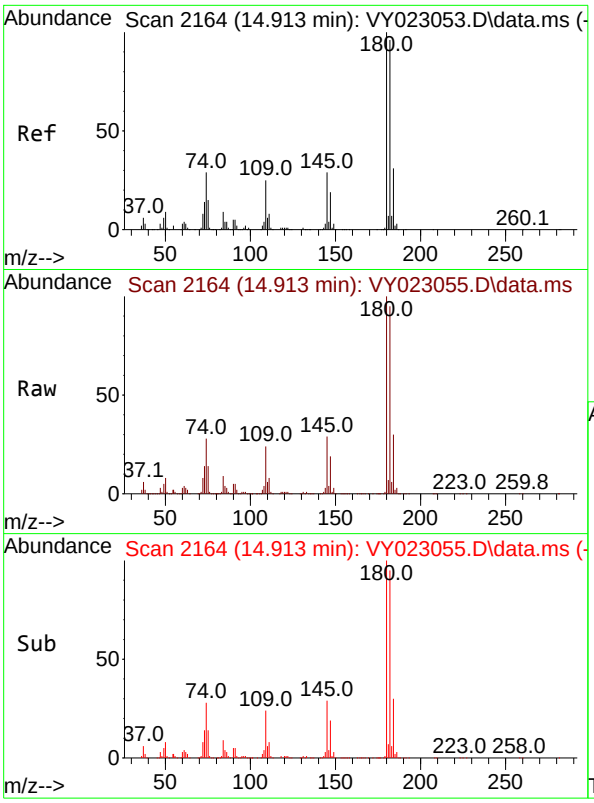


#92
1,2-Dibromo-3-Chloropropane
Concen: 156.498 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 114505

Ion	Ratio	Lower	Upper
75	100		
155	91.8	43.9	131.6
157	117.9	57.2	171.6

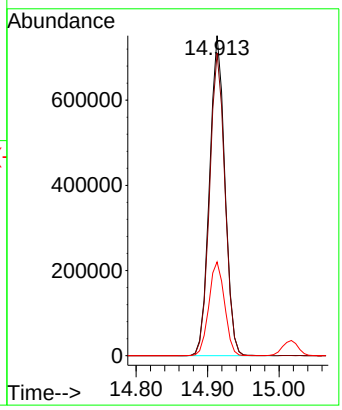




#93
1,2,4-Trichlorobenzene
Concen: 166.397 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:180 Resp: 111740

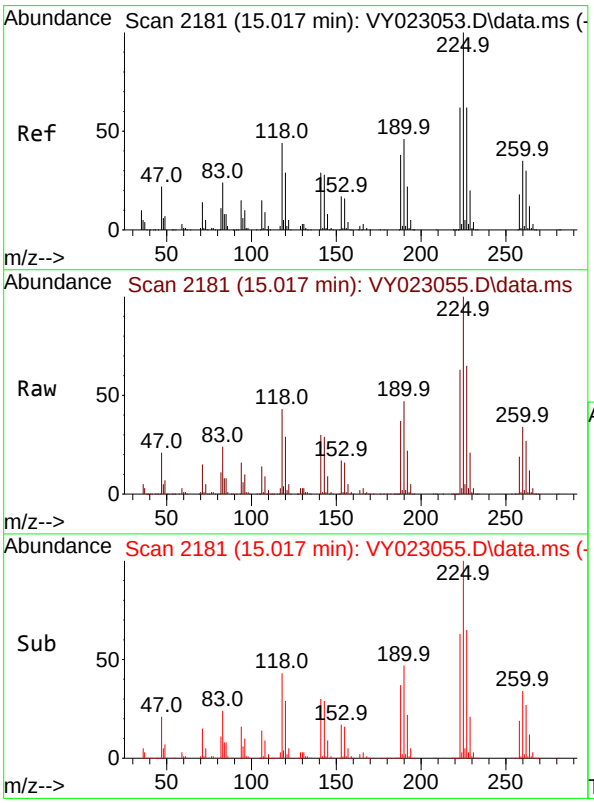
Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.8	140.4
145	30.0	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

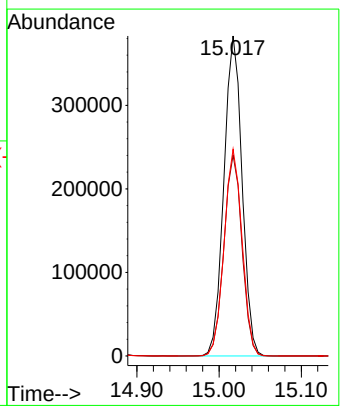
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

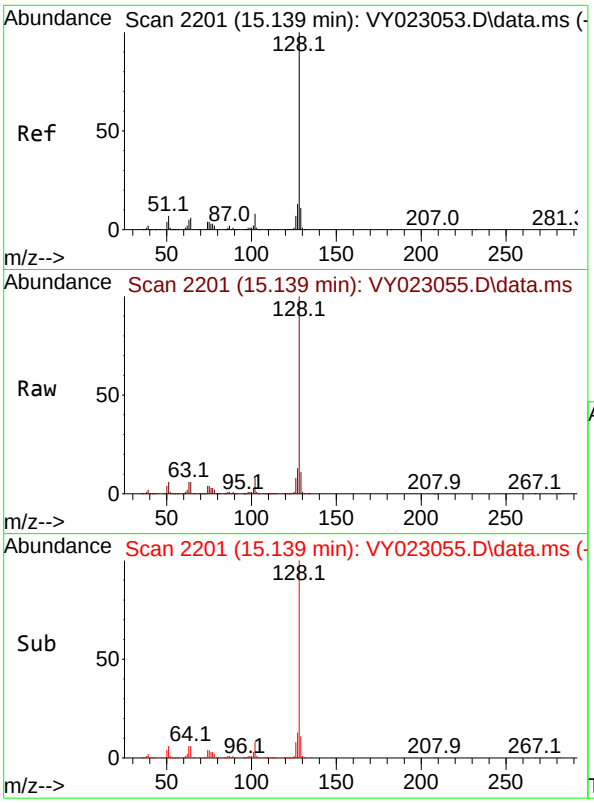


#94
Hexachlorobutadiene
Concen: 149.352 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:225 Resp: 589351

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	63.8	31.5	94.5

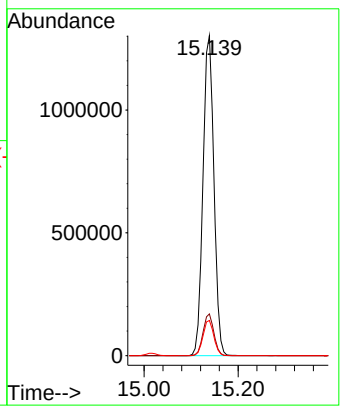




#95
Naphthalene
Concen: 182.954 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:128 Resp: 209498

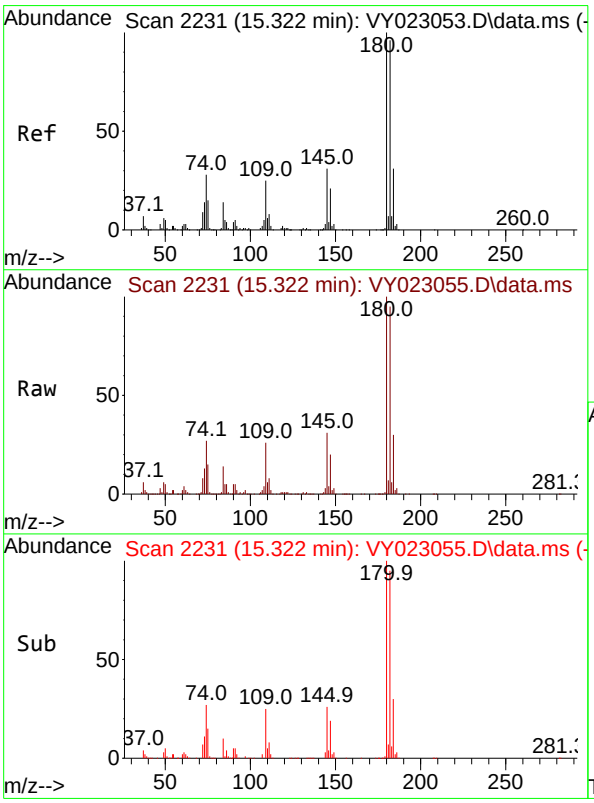
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

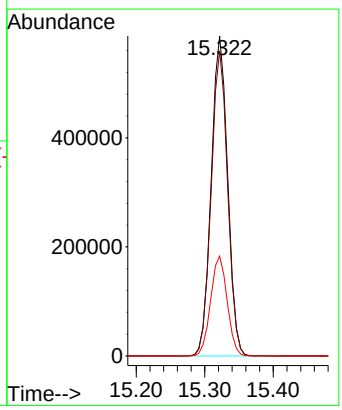
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 168.557 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:180 Resp: 975366

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	31.4	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	528657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	849851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	756555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	376990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	252116	50.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.628	113	255171	50.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.360%			
50) Toluene-d8	10.103	98	979510	49.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.402	95	329022	51.500	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	179421	41.579	ug/l	99
3) Chloromethane	2.068	50	340600	48.732	ug/l	100
4) Vinyl Chloride	2.202	62	416413	48.198	ug/l	99
5) Bromomethane	2.592	94	303147	46.983	ug/l	98
6) Chloroethane	2.733	64	281008	48.923	ug/l	99
7) Trichlorofluoromethane	3.050	101	493782	47.003	ug/l	100
8) Diethyl Ether	3.452	74	132818	47.787	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	247351	47.725	ug/l	99
10) Methyl Iodide	4.001	142	287126	51.340	ug/l	99
11) Tert butyl alcohol	4.860	59	84906	245.940	ug/l	98
12) 1,1-Dichloroethene	3.787	96	242931	47.686	ug/l	95
13) Acrolein	3.647	56	112246	222.008	ug/l	98
14) Allyl chloride	4.379	41	354691	47.317	ug/l	99
15) Acrylonitrile	5.055	53	274329	242.779	ug/l	99
16) Acetone	3.867	43	229985	210.695	ug/l	96
17) Carbon Disulfide	4.104	76	779852	46.948	ug/l	99
18) Methyl Acetate	4.385	43	168821	51.972	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	658713	49.899	ug/l	100
20) Methylene Chloride	4.610	84	283386	49.960	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	279182	48.765	ug/l	98
22) Diisopropyl ether	6.019	45	814622	50.011	ug/l	97
23) Vinyl Acetate	5.958	43	2182924	242.360	ug/l	100
24) 1,1-Dichloroethane	5.915	63	483509	48.551	ug/l	100
25) 2-Butanone	6.890	43	341490	230.028	ug/l	99
26) 2,2-Dichloropropane	6.884	77	390777	45.475	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	322451	48.720	ug/l	99
28) Bromochloromethane	7.238	49	198640	50.275	ug/l	100
29) Tetrahydrofuran	7.262	42	227680	247.420	ug/l	100
30) Chloroform	7.421	83	497627	48.450	ug/l	97
31) Cyclohexane	7.695	56	436638	46.526	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	445943	48.933	ug/l	100
36) 1,1-Dichloropropene	7.829	75	364210	48.193	ug/l	99
37) Ethyl Acetate	6.982	43	157530	49.621	ug/l	99
38) Carbon Tetrachloride	7.817	117	394245	48.030	ug/l	99
39) Methylcyclohexane	9.103	83	493867	49.625	ug/l	98
40) Benzene	8.073	78	1128023	48.428	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	88437	48.269	ug/l		99
42) 1,2-Dichloroethane	8.152	62	291766	48.162	ug/l		100
43) Isopropyl Acetate	8.195	43	315013	49.094	ug/l		98
44) Trichloroethene	8.860	130	287745	47.803	ug/l		95
45) 1,2-Dichloropropane	9.140	63	262408	48.961	ug/l		98
46) Dibromomethane	9.225	93	149745	48.679	ug/l		99
47) Bromodichloromethane	9.420	83	391522	49.463	ug/l		98
48) Methyl methacrylate	9.219	41	155118	50.520	ug/l		99
49) 1,4-Dioxane	9.225	88	35050	971.749	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	823949	248.943	ug/l		99
52) Toluene	10.164	92	724356	48.963	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	356228	49.699	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	415017	48.965	ug/l		97
55) 1,1,2-Trichloroethane	10.567	97	201146	48.867	ug/l		98
56) Ethyl methacrylate	10.432	69	267458	50.779	ug/l		99
57) 1,3-Dichloropropane	10.713	76	343649	49.228	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	678865	273.240	ug/l		100
59) 2-Hexanone	10.756	43	551743	244.812	ug/l		99
60) Dibromochloromethane	10.908	129	270536	49.810	ug/l		99
61) 1,2-Dibromoethane	11.012	107	190334	49.197	ug/l		100
64) Tetrachloroethene	10.640	164	307456	45.512	ug/l		98
65) Chlorobenzene	11.438	112	787799	48.275	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	270360	48.815	ug/l		99
67) Ethyl Benzene	11.512	91	1380648	49.163	ug/l		100
68) m/p-Xylenes	11.621	106	1080541	98.515	ug/l		99
69) o-Xylene	11.950	106	509991	49.645	ug/l		99
70) Styrene	11.963	104	852310	50.733	ug/l		99
71) Bromoform	12.127	173	157073	48.525	ug/l	#	98
73) Isopropylbenzene	12.249	105	1327070	49.876	ug/l		100
74) N-amyl acetate	12.066	43	285118	50.529	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	224206	49.350	ug/l		98
76) 1,2,3-Trichloropropane	12.548	75	167859m	46.136	ug/l		
77) Bromobenzene	12.524	156	311065	49.004	ug/l		99
78) n-propylbenzene	12.591	91	1610911	50.853	ug/l		100
79) 2-Chlorotoluene	12.676	91	905657	49.898	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1094902	50.916	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	74263	49.409	ug/l		98
82) 4-Chlorotoluene	12.774	91	932114	49.505	ug/l		100
83) tert-Butylbenzene	12.993	119	979692	50.443	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	1092616	51.042	ug/l		100
85) sec-Butylbenzene	13.170	105	1459437	51.154	ug/l		100
86) p-Isopropyltoluene	13.286	119	1222900	51.639	ug/l		100
87) 1,3-Dichlorobenzene	13.280	146	621371	49.639	ug/l		98
88) 1,4-Dichlorobenzene	13.359	146	602429	48.514	ug/l		99
89) n-Butylbenzene	13.609	91	1122189	51.594	ug/l		100
90) Hexachloroethane	13.871	117	245386	50.617	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	540506	49.234	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35428	50.085	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	320472	49.363	ug/l		99
94) Hexachlorobutadiene	15.017	225	184430	48.344	ug/l		99
95) Naphthalene	15.139	128	571480	51.623	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	272638	48.735	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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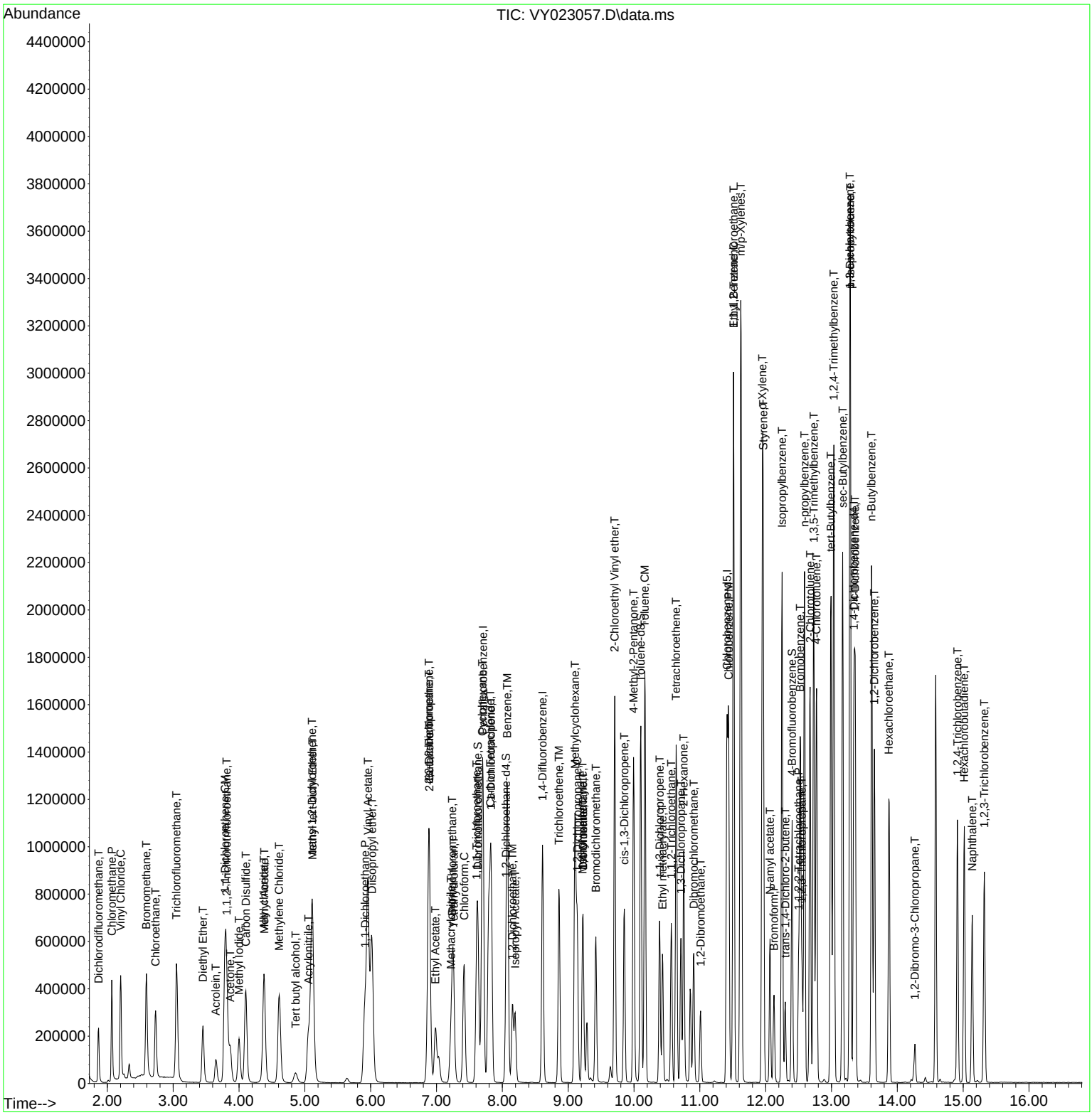
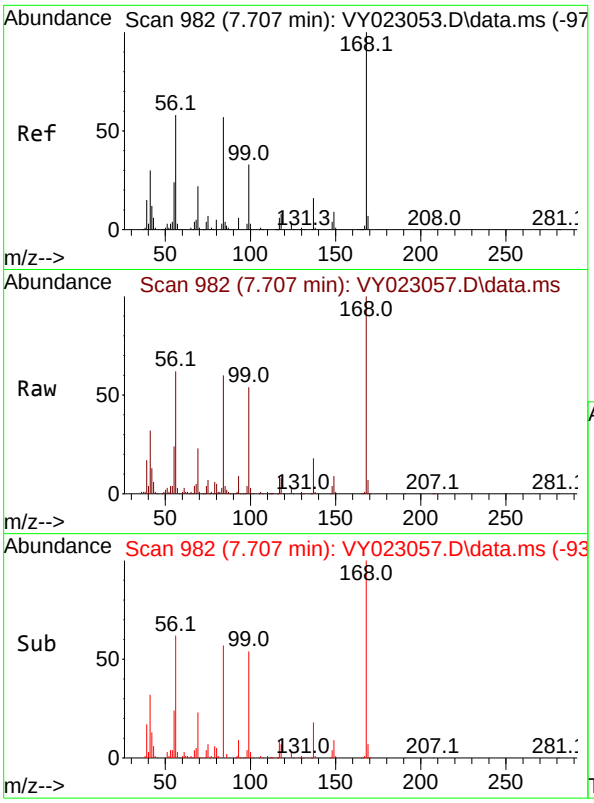
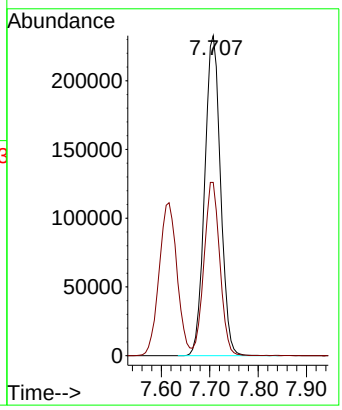




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:168 Resp: 52865

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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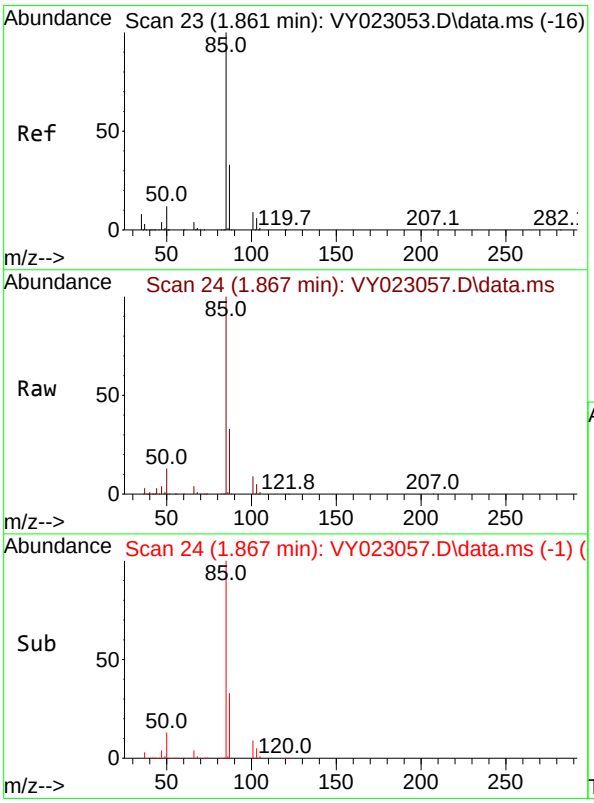
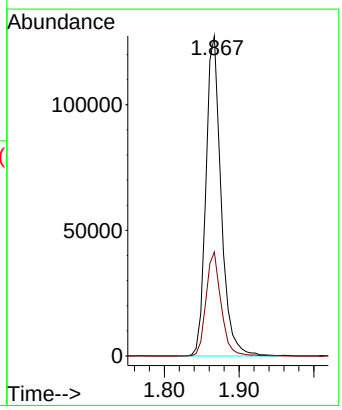
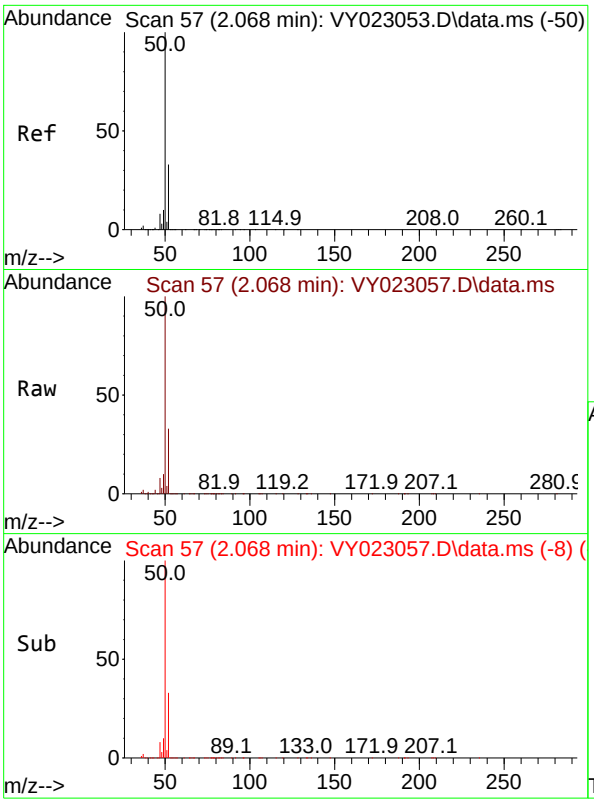


#2
Dichlorodifluoromethane
Concen: 41.579 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 85 Resp: 179421

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8

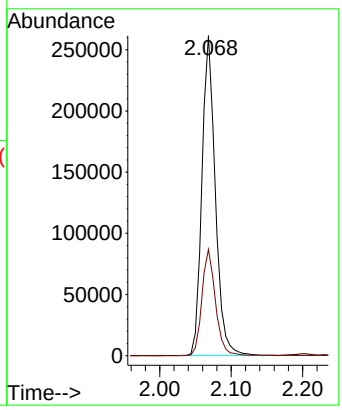




#3
Chloromethane
Concen: 48.732 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 50 Resp: 34060

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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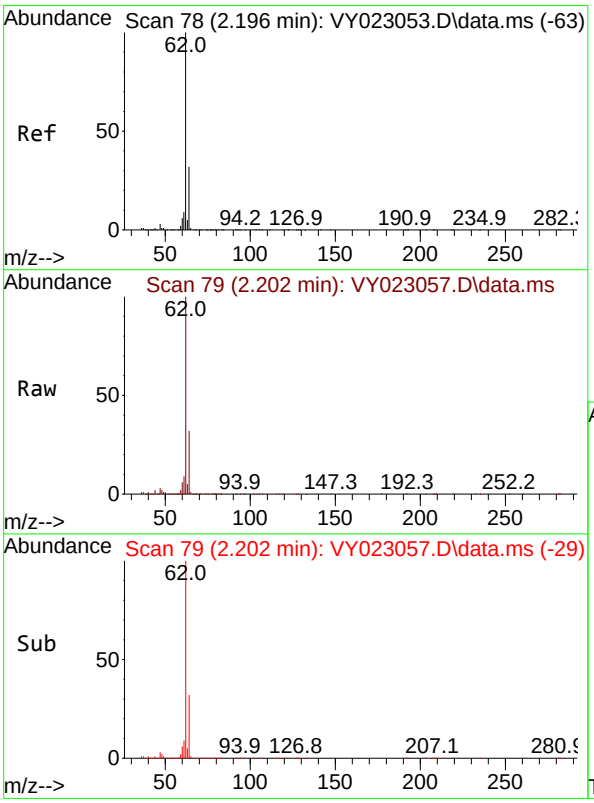
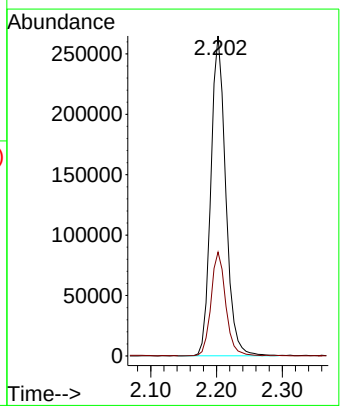
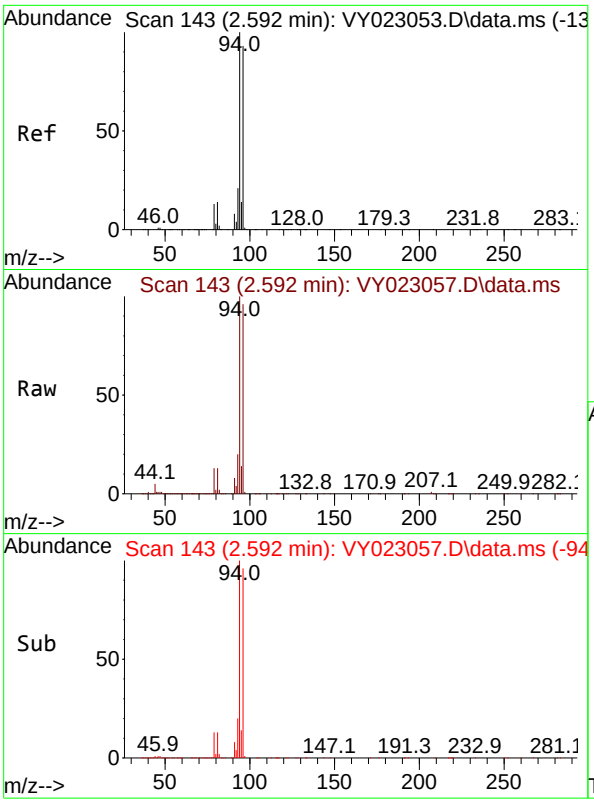


#4
Vinyl Chloride
Concen: 48.198 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 62 Resp: 416413

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.0

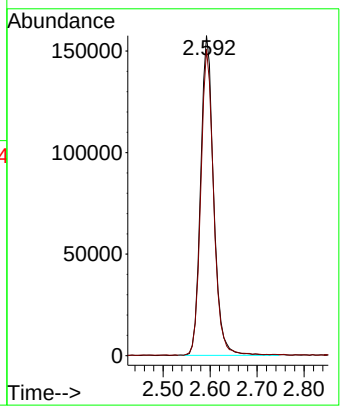




#5
Bromomethane
Concen: 46.983 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 94 Resp: 30314

Ion	Ratio	Lower	Upper
94	100		
96	95.7	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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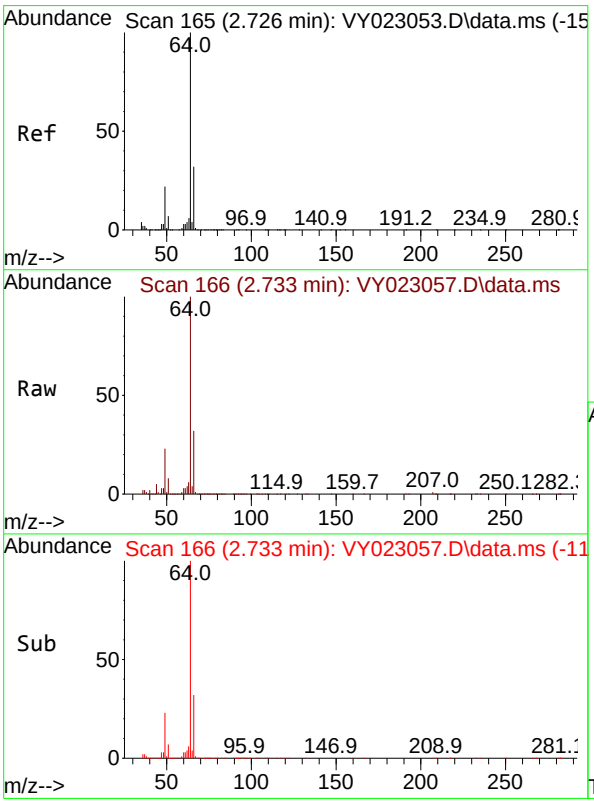
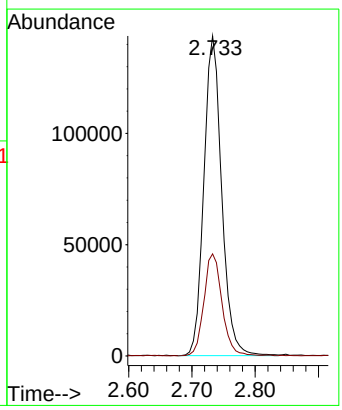
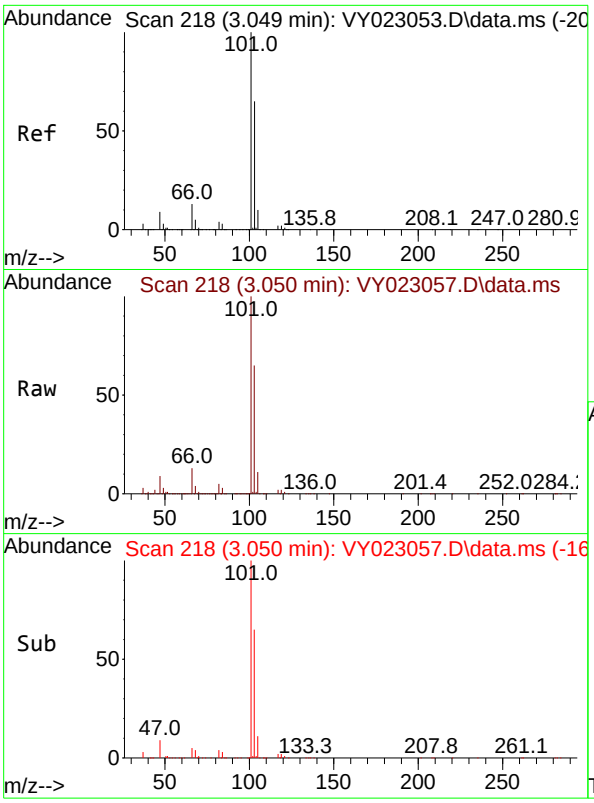


#6
Chloroethane
Concen: 48.923 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 64 Resp: 281008

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.8	38.6

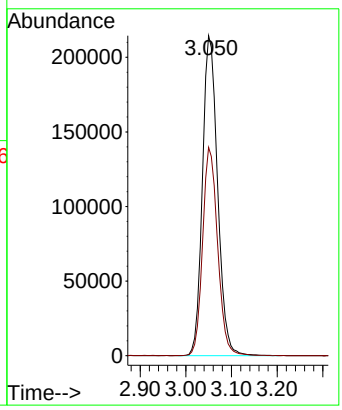




#7
Trichlorofluoromethane
Concen: 47.003 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:101 Resp: 49378

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
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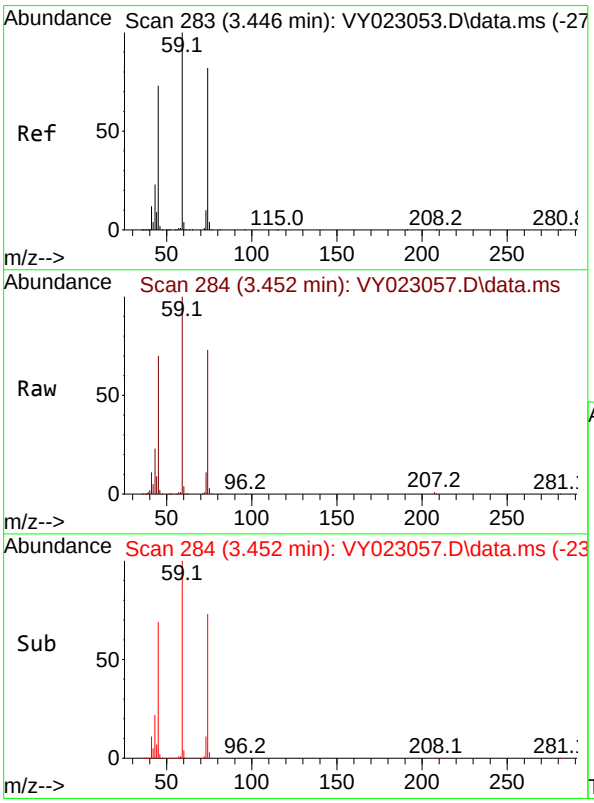
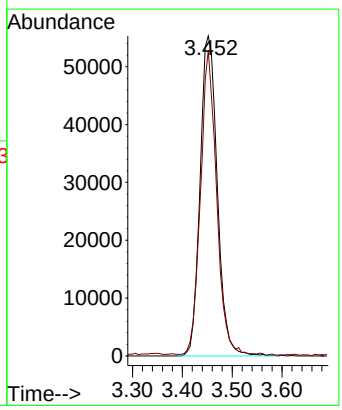
Supervised By :Semsettin Yesilyurt 08/14/2025

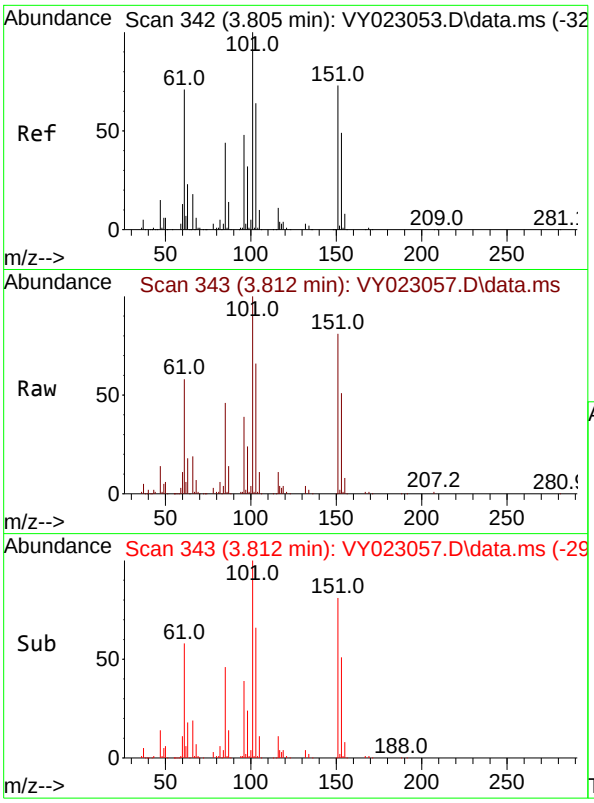


#8
Diethyl Ether
Concen: 47.787 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 74 Resp: 132818

Ion	Ratio	Lower	Upper
74	100		
45	88.1	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.725 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:101 Resp: 24735

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.3	54.5
151	77.9	61.5	92.3

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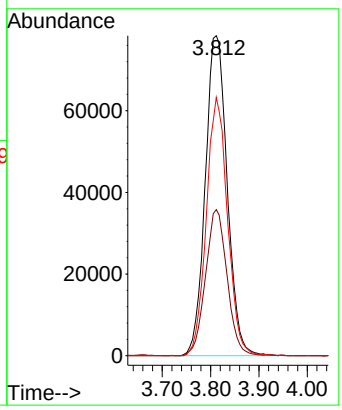
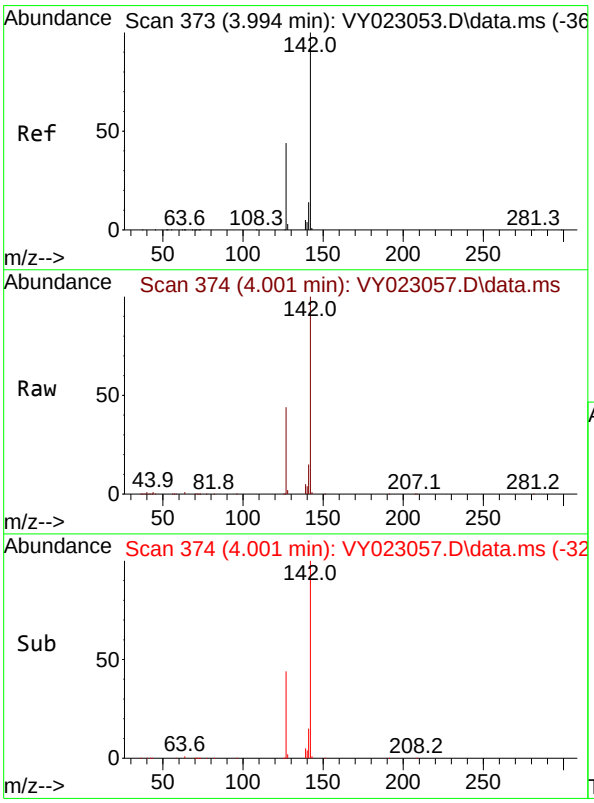
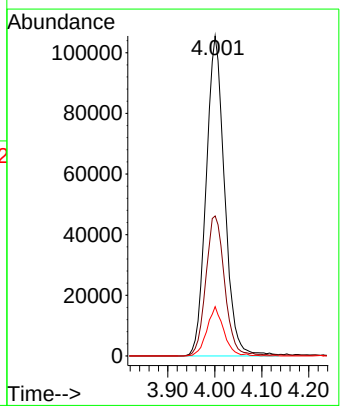


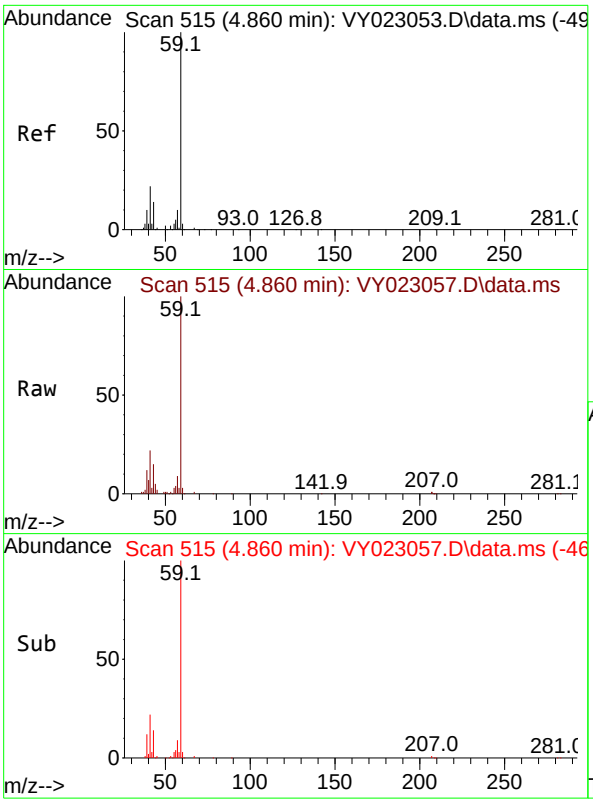


#10
Methyl Iodide
Concen: 51.340 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:142 Resp: 287126

Ion	Ratio	Lower	Upper
142	100		
127	44.8	34.9	52.3
141	14.1	11.3	16.9

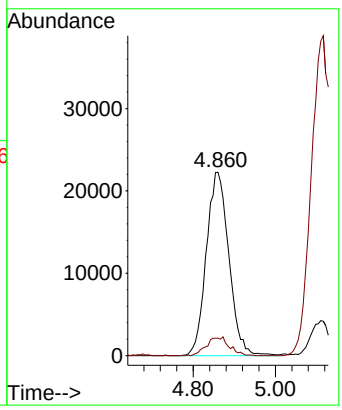




#11
Tert butyl alcohol
Concen: 245.940 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 59 Resp: 8490

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	13.0



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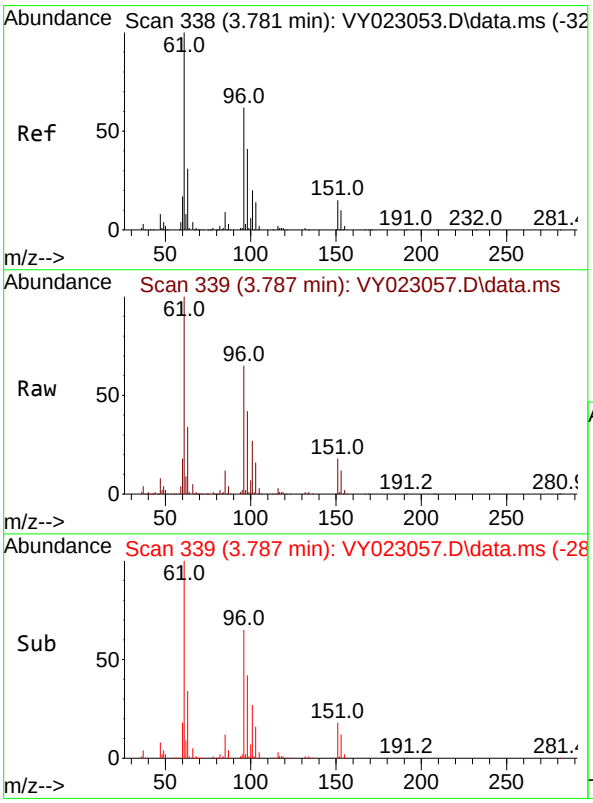
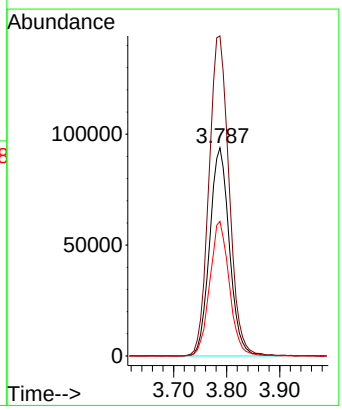
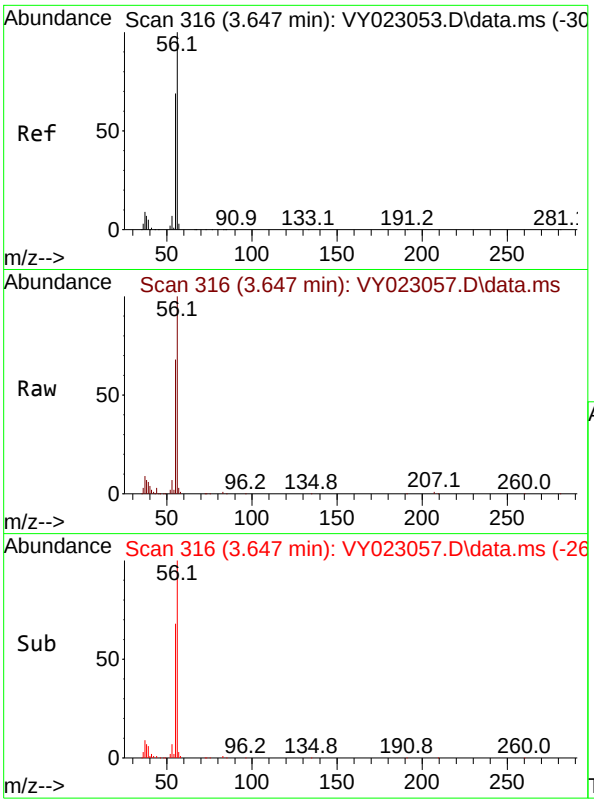


#12
1,1-Dichloroethene
Concen: 47.686 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 96 Resp: 242931

Ion	Ratio	Lower	Upper
96	100		
61	153.7	129.4	194.2
98	64.6	52.8	79.2

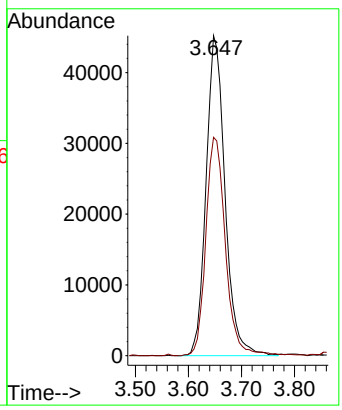




#13
Acrolein
Concen: 222.008 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 56 Resp: 11224

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
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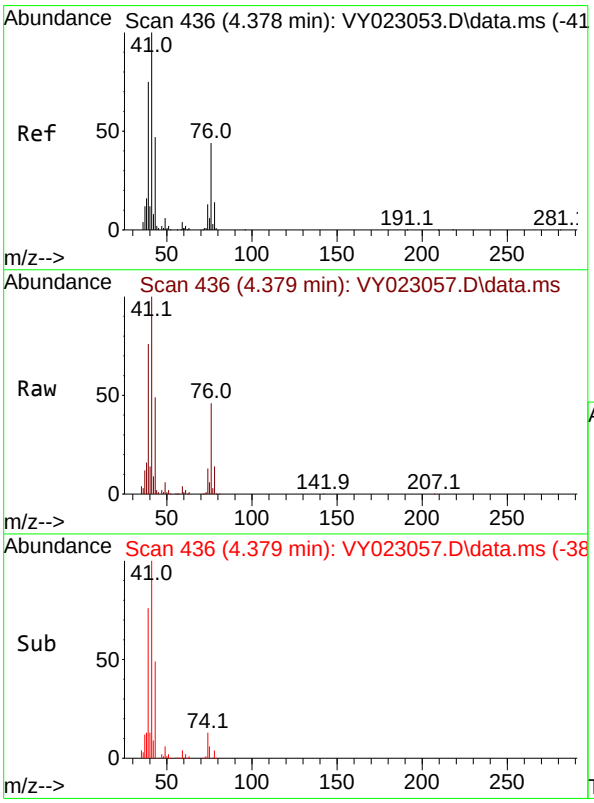
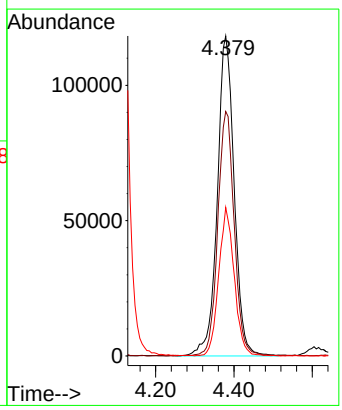
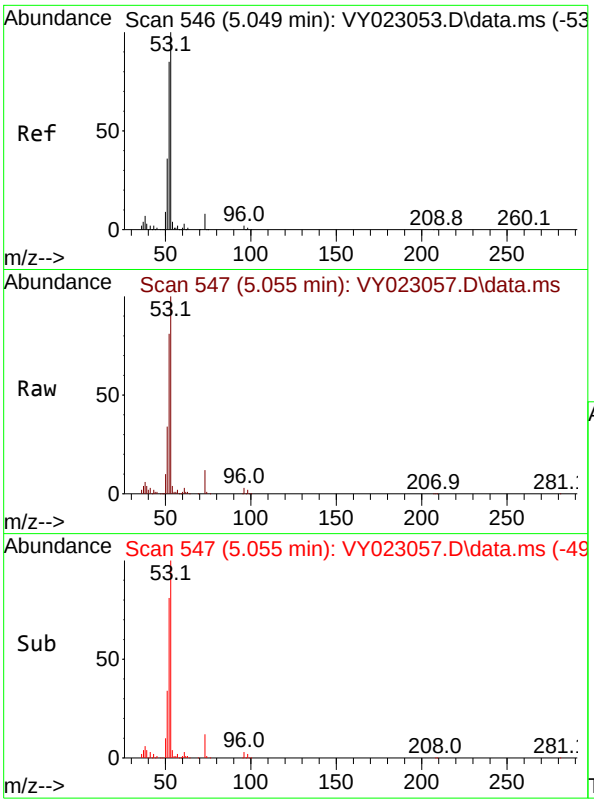


#14
Allyl chloride
Concen: 47.317 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 354691

Ion	Ratio	Lower	Upper
41	100		
39	74.2	59.8	89.6
76	42.7	33.7	50.5

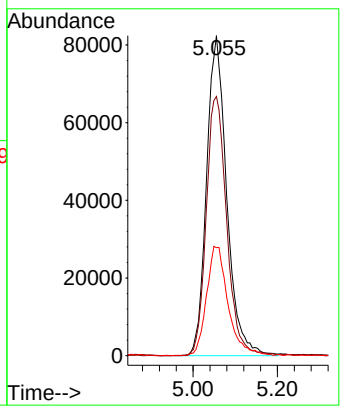




#15
Acrylonitrile
Concen: 242.779 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 53 Resp: 27432

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	36.5	29.5	44.3



Instrument :
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ClientSampleId :
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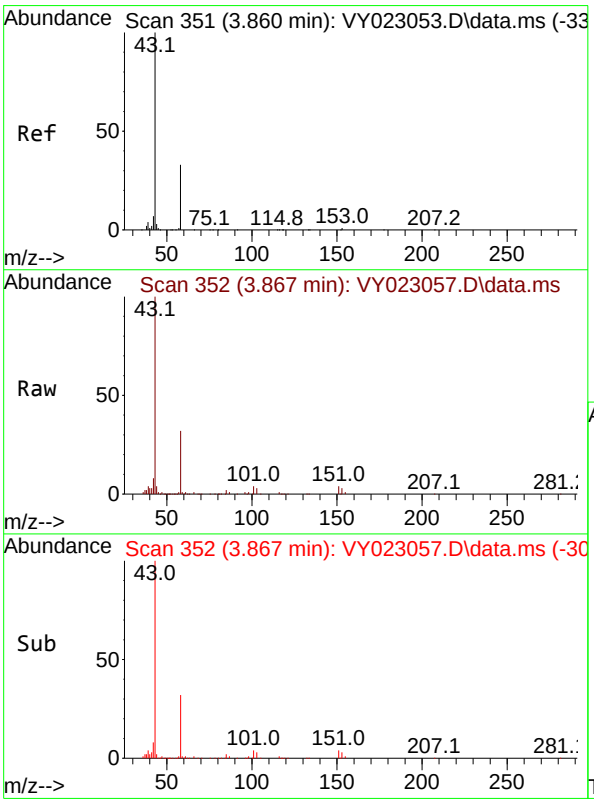
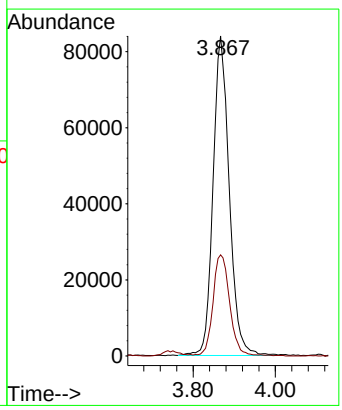
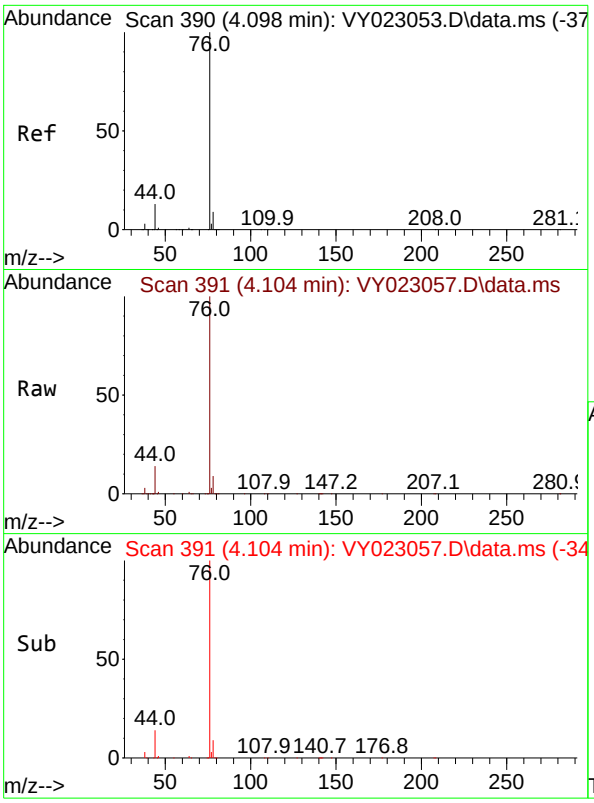


#16
Acetone
Concen: 210.695 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 229985

Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.1	40.7

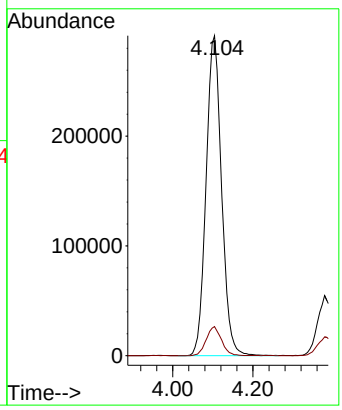




#17
Carbon Disulfide
Concen: 46.948 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 76 Resp: 77985

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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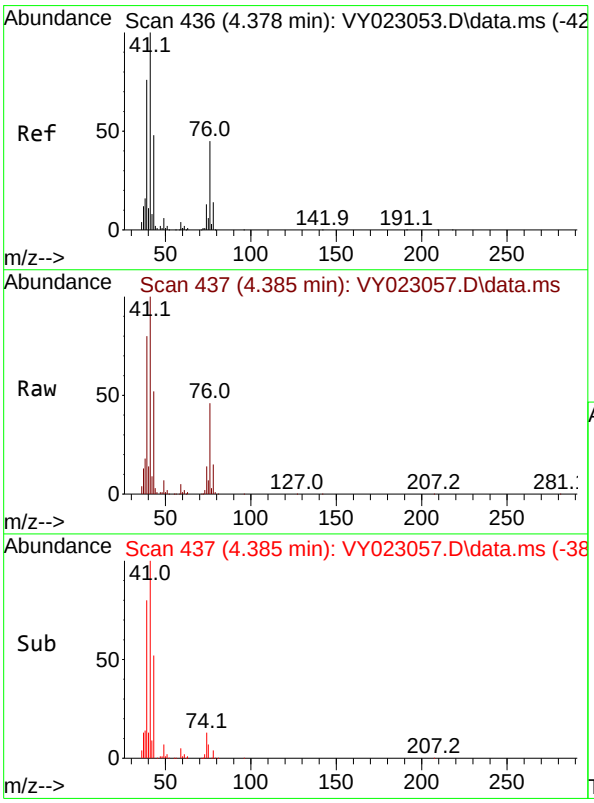
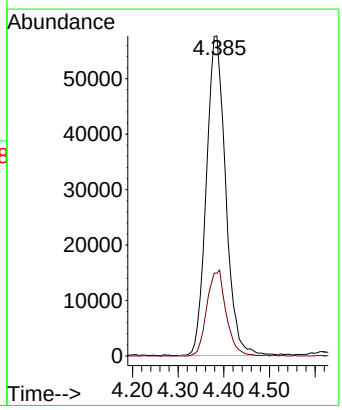
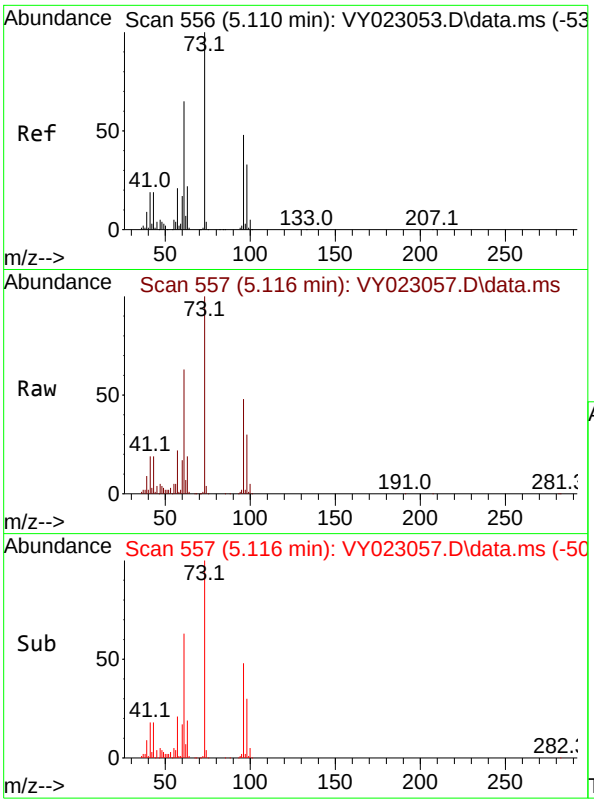


#18
Methyl Acetate
Concen: 51.972 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 168821

Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.2	31.8

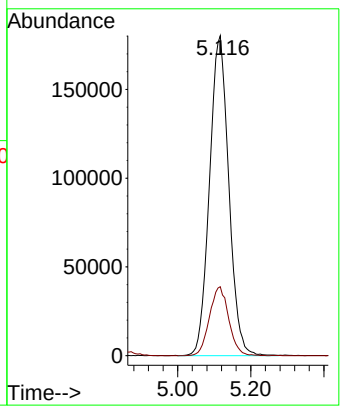




#19
Methyl tert-butyl Ether
Concen: 49.899 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 73 Resp: 65871

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
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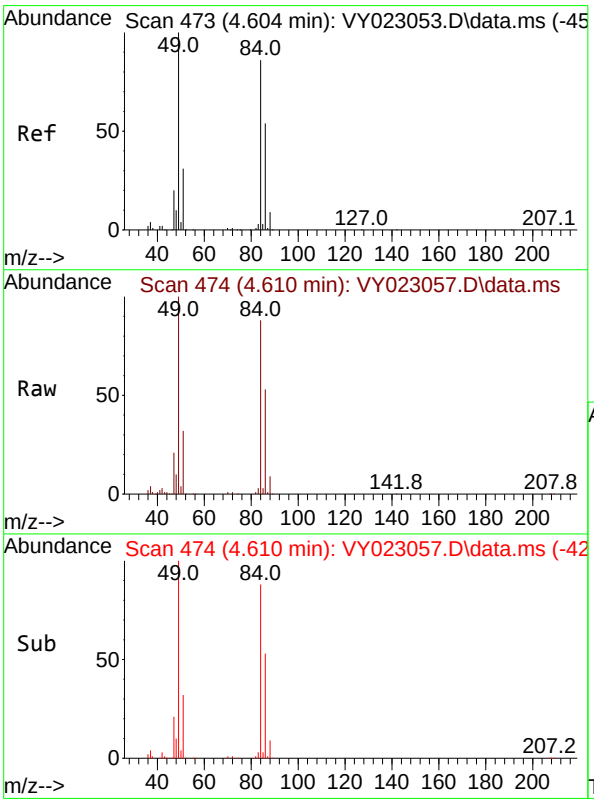
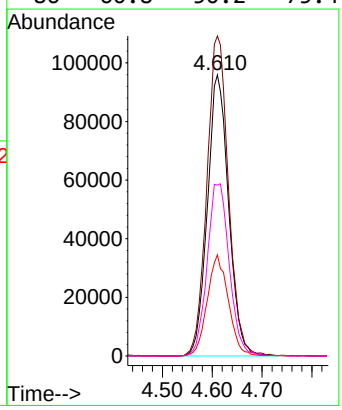
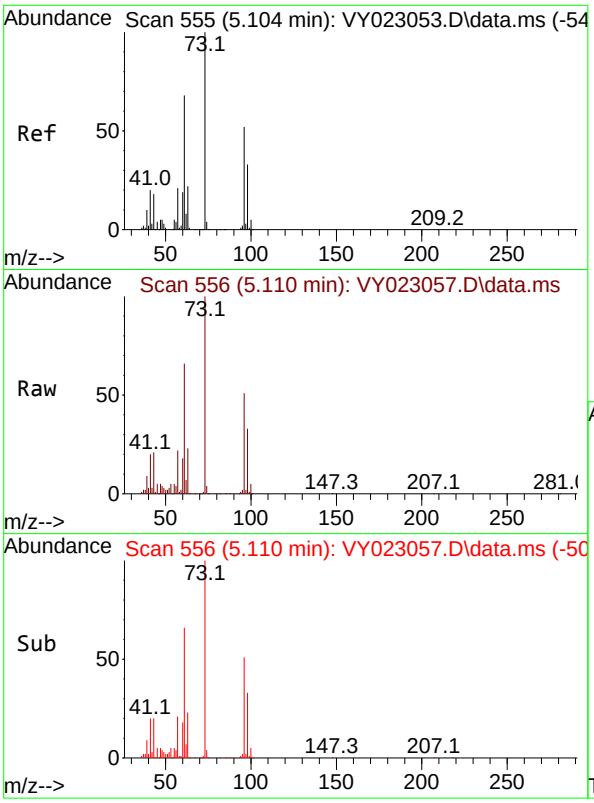


#20
Methylene Chloride
Concen: 49.960 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 84 Resp: 283386

Ion	Ratio	Lower	Upper
84	100		
49	113.8	93.0	139.6
51	36.0	29.0	43.4
86	60.8	50.2	75.4

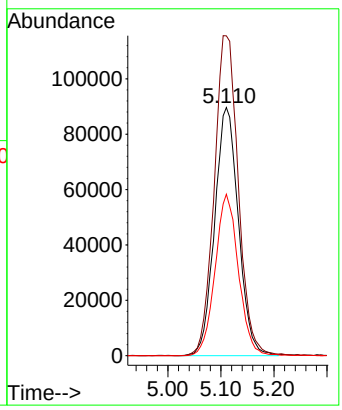




#21
trans-1,2-Dichloroethene
Concen: 48.765 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 96 Resp: 27918

Ion	Ratio	Lower	Upper
96	100		
61	128.9	104.8	157.2
98	65.0	50.1	75.1



Instrument :
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ClientSampleId :
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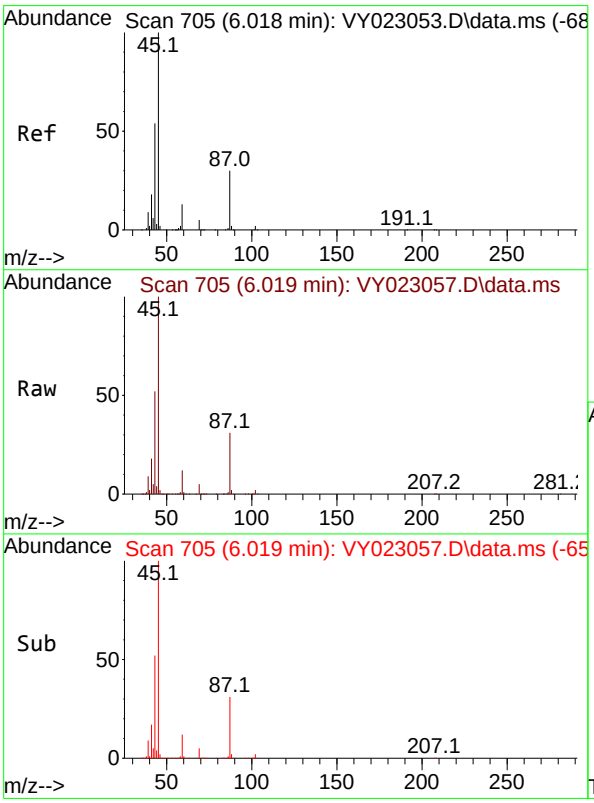
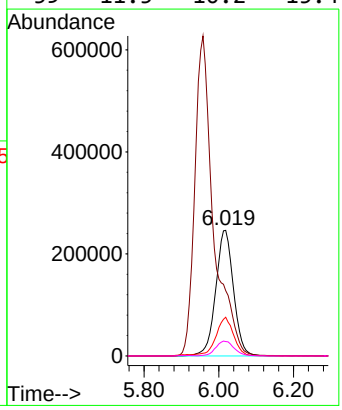
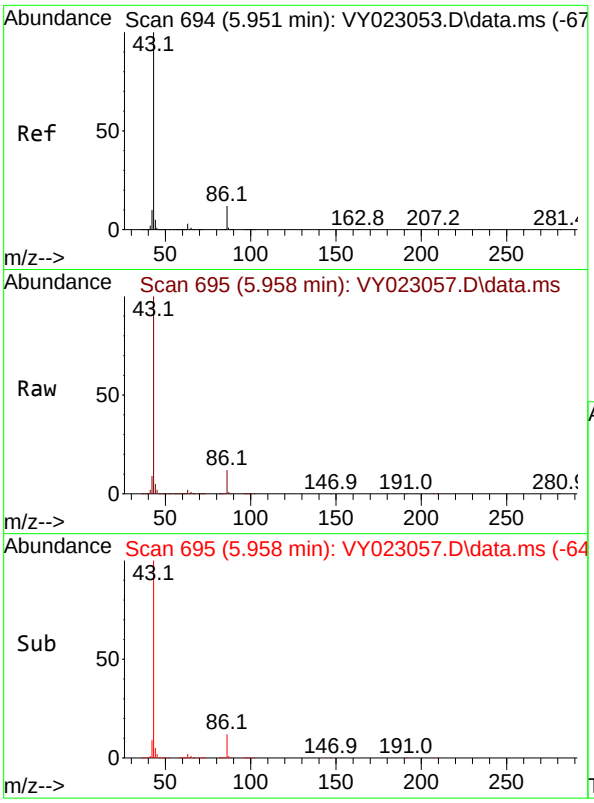


#22
Diisopropyl ether
Concen: 50.011 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 45 Resp: 814622

Ion	Ratio	Lower	Upper
45	100		
43	51.7	43.4	65.0
87	30.8	24.4	36.6
59	11.5	10.2	15.4

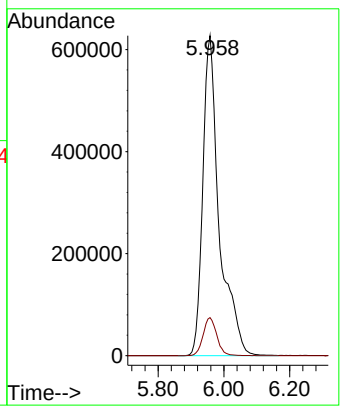




#23
Vinyl Acetate
Concen: 242.360 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 218292

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.6	14.4



Instrument :
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ClientSampleId :
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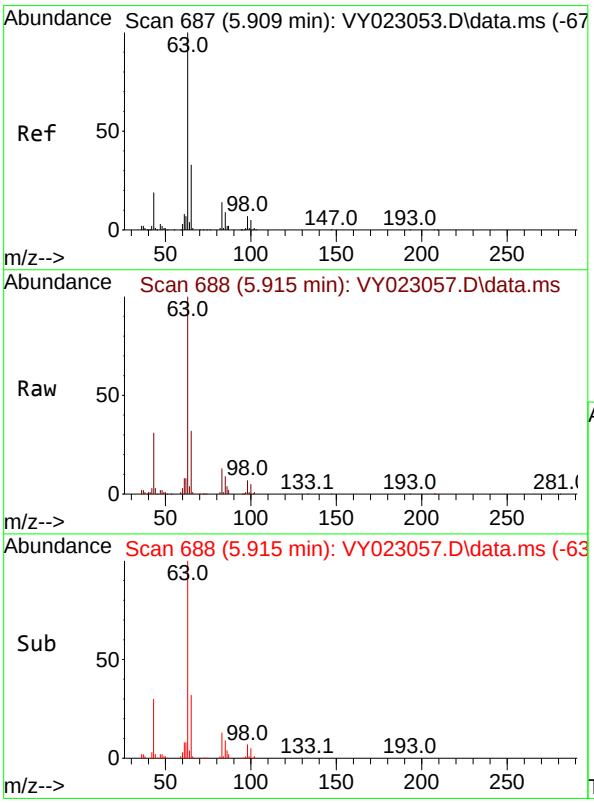
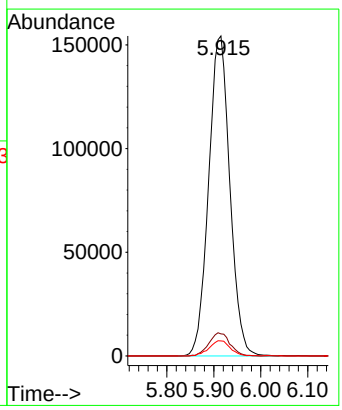
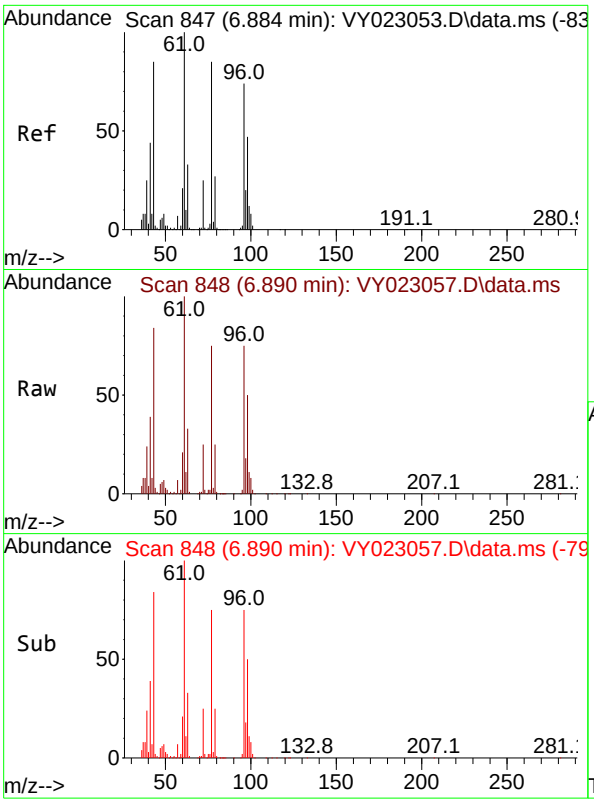


#24
1,1-Dichloroethane
Concen: 48.551 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 63 Resp: 483509

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.7	2.4	7.1





#25
2-Butanone
Concen: 230.028 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 34149

Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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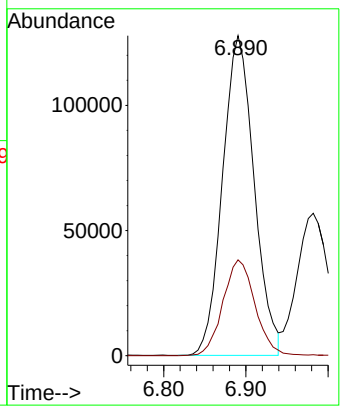
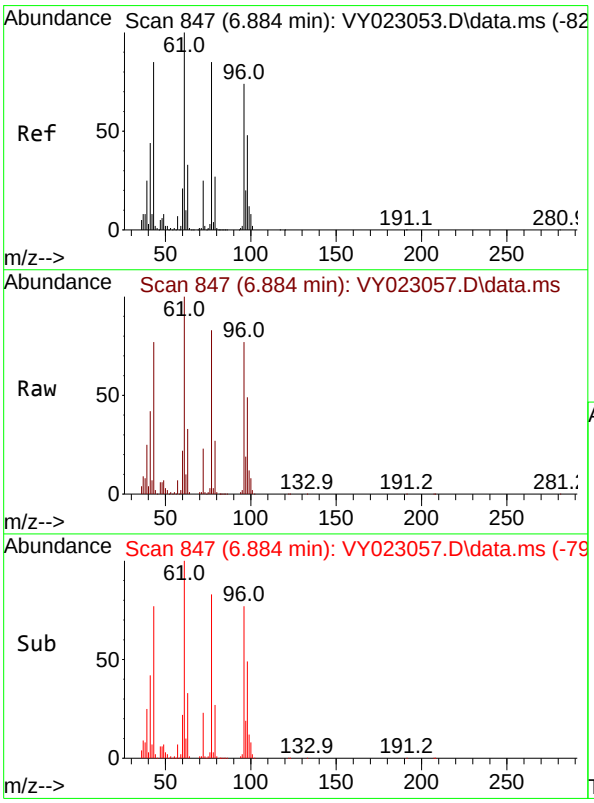
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

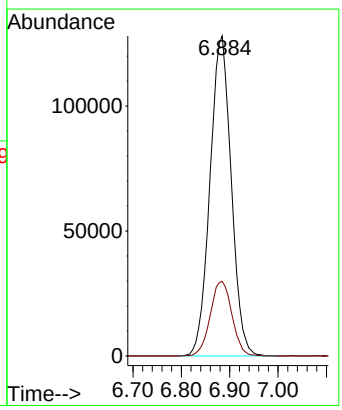


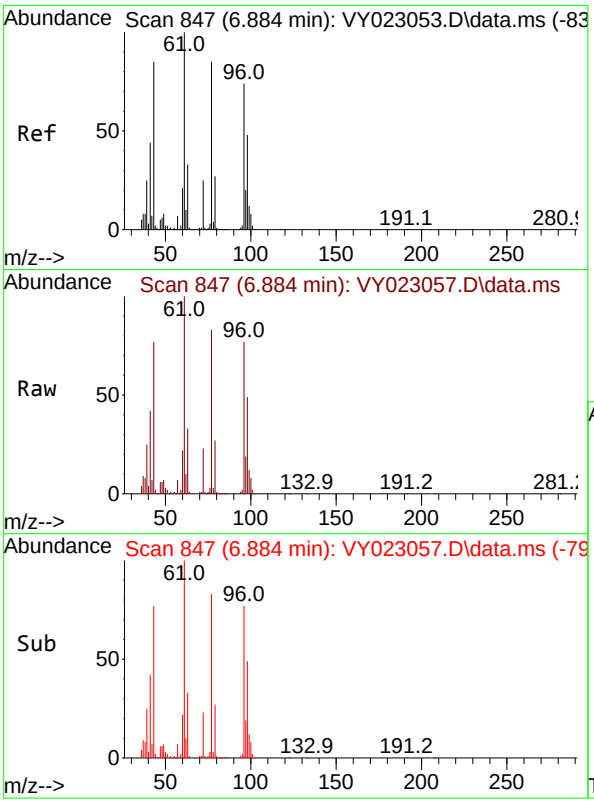


#26
2,2-Dichloropropane
Concen: 45.475 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 77 Resp: 390777

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 48.720 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 96 Resp: 32245

Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	278.6
98	65.0	0.0	130.4

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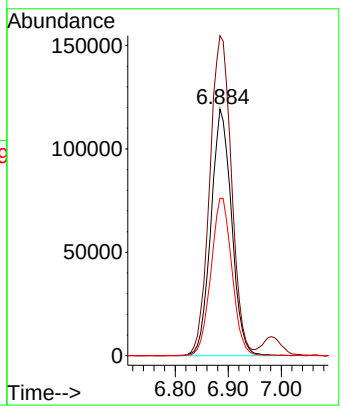
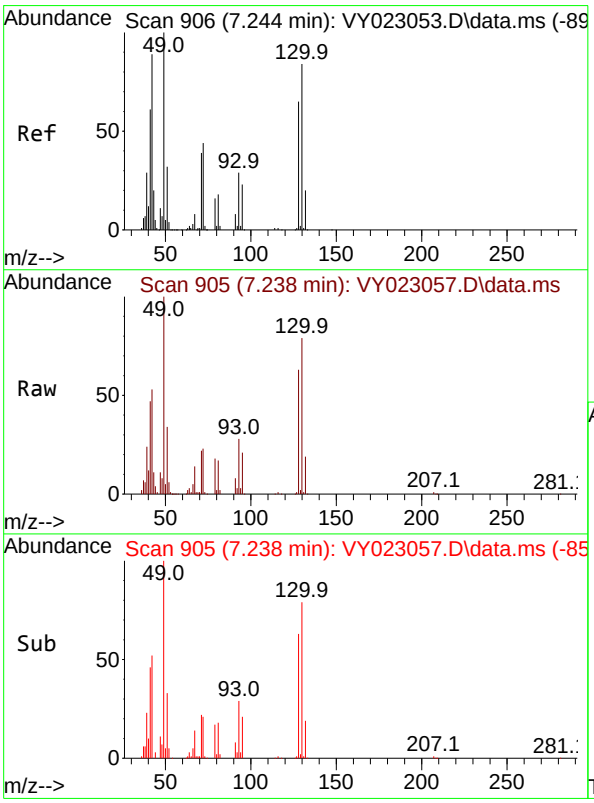
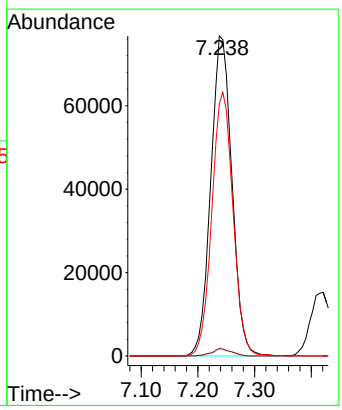


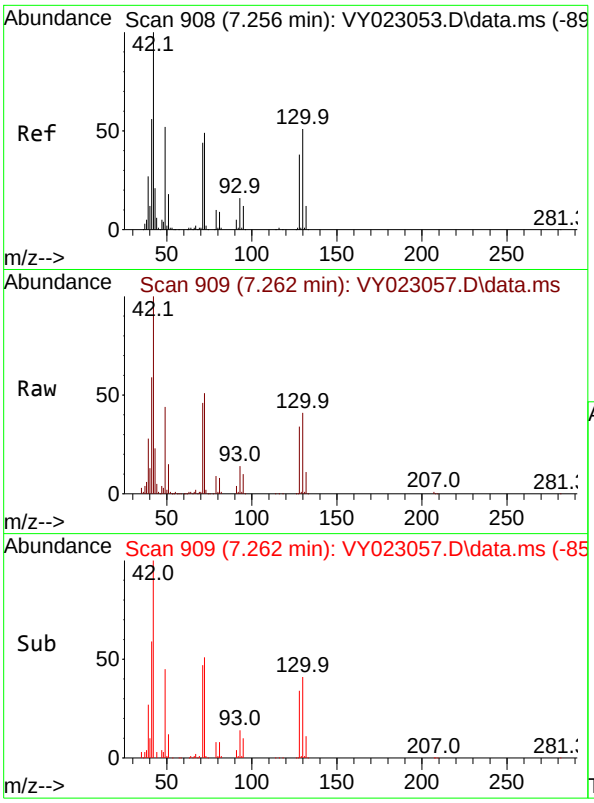


#28
Bromochloromethane
Concen: 50.275 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 49 Resp: 198640

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.6	66.4	99.6

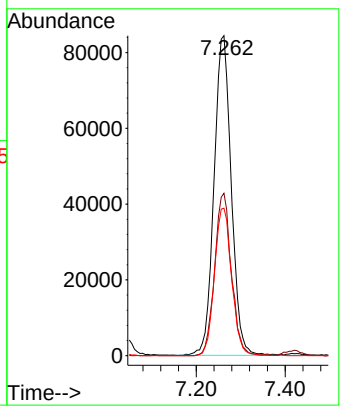




#29
Tetrahydrofuran
Concen: 247.420 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 42 Resp: 22768

Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.4	59.2
71	45.7	36.5	54.7



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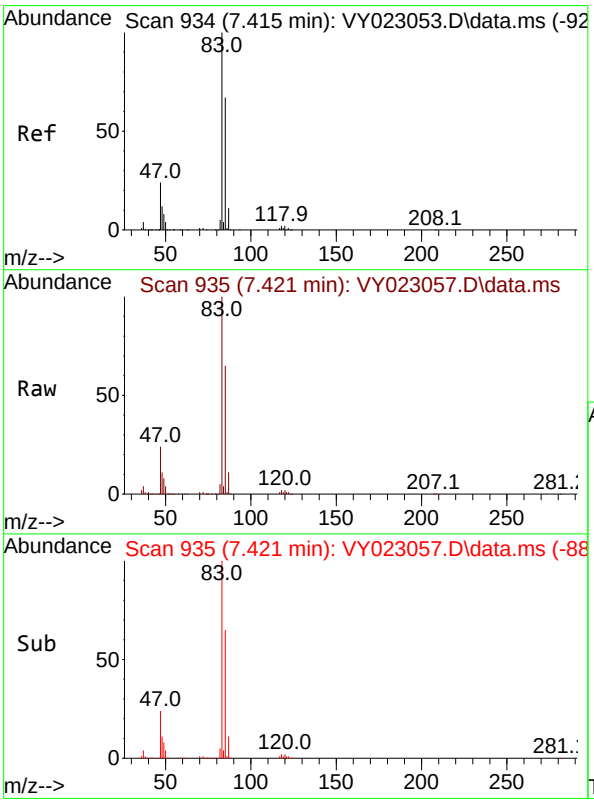
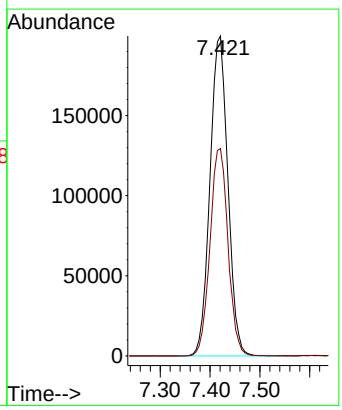
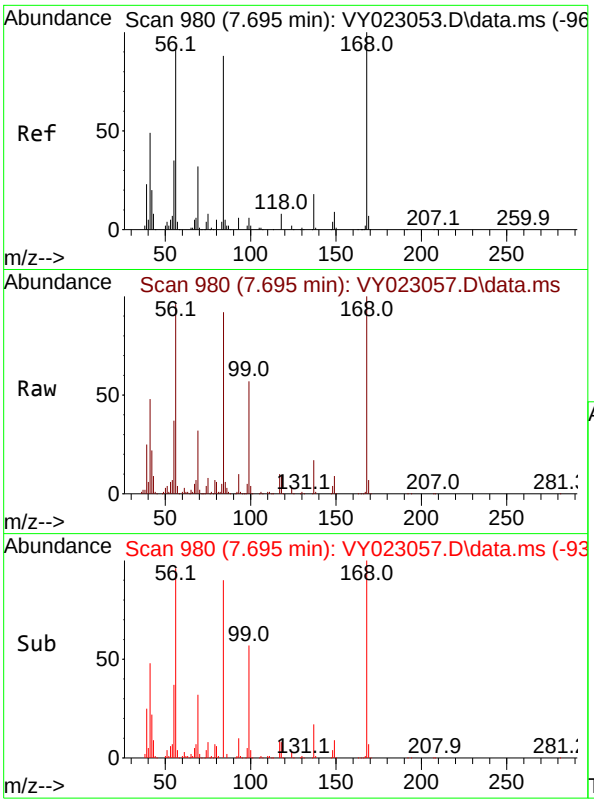


#30
Chloroform
Concen: 48.450 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 83 Resp: 497627

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8

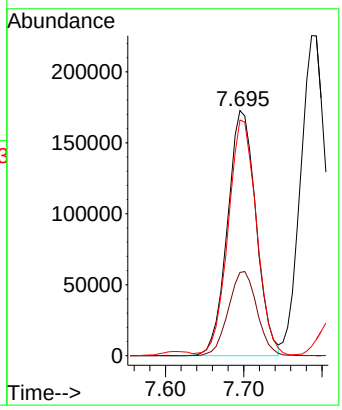




#31
Cyclohexane
Concen: 46.526 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 56 Resp: 43663

Ion	Ratio	Lower	Upper
56	100		
69	33.9	28.2	42.2
84	94.5	76.6	114.8



Instrument :
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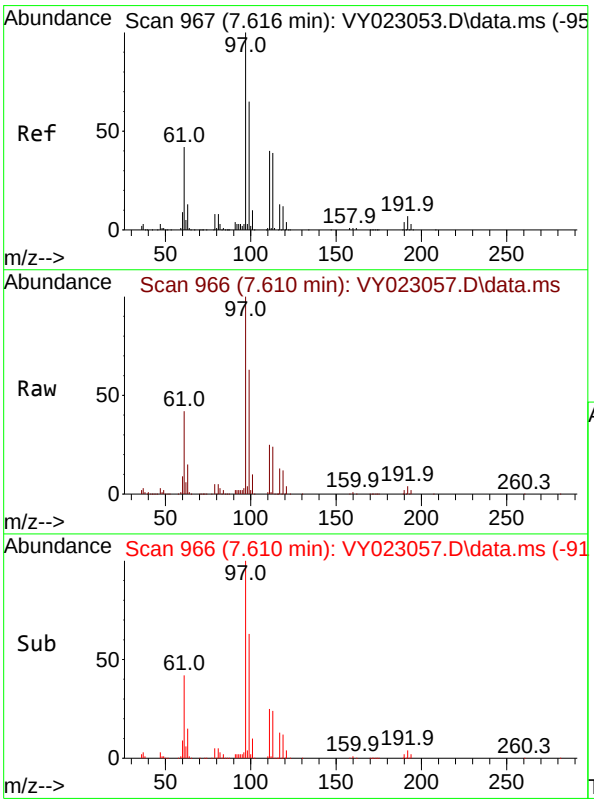
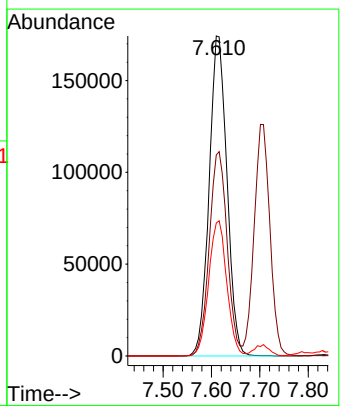
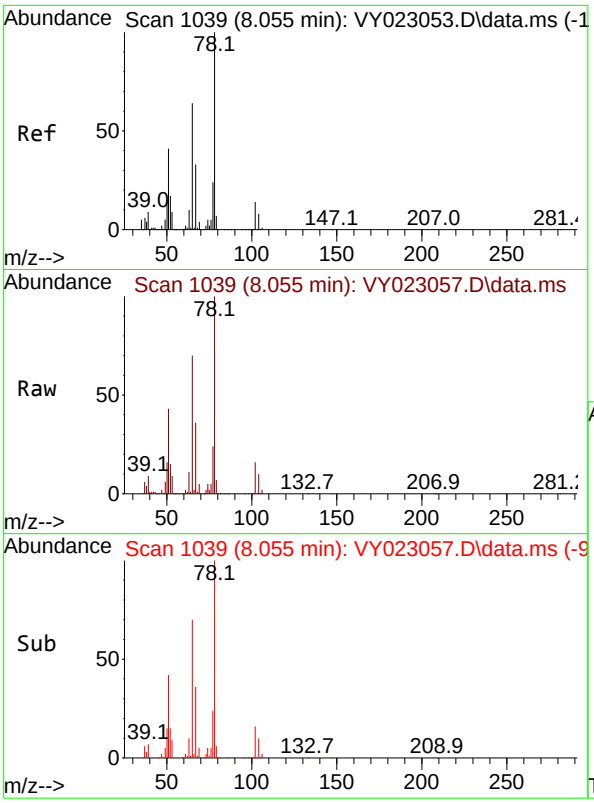


#32
1,1,1-Trichloroethane
Concen: 48.933 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 97 Resp: 445943

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	43.0	34.2	51.2

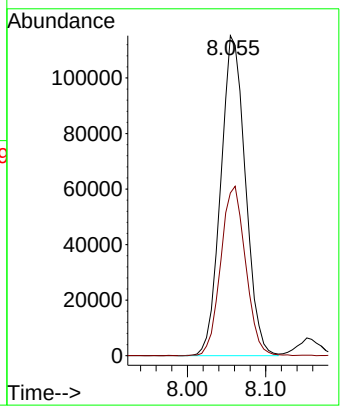




#33
1,2-Dichloroethane-d4
Concen: 50.038 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 65 Resp: 25211

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8



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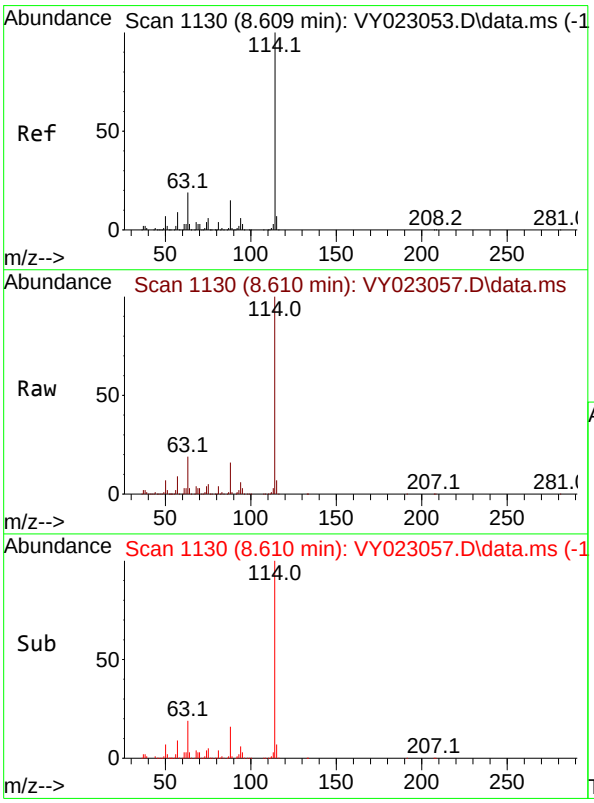
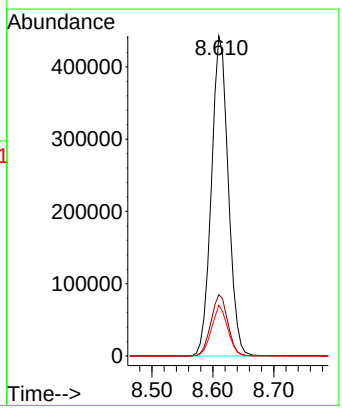
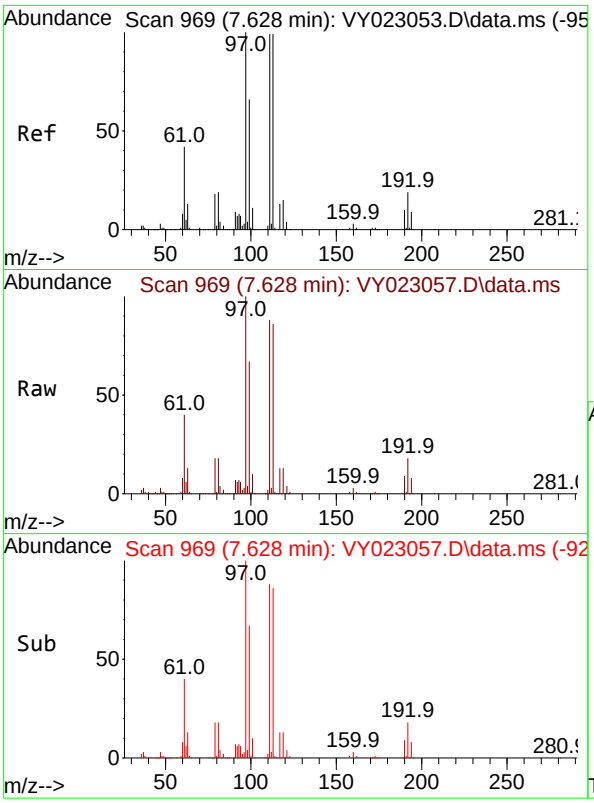


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:114 Resp: 849851

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	15.9	0.0	30.0

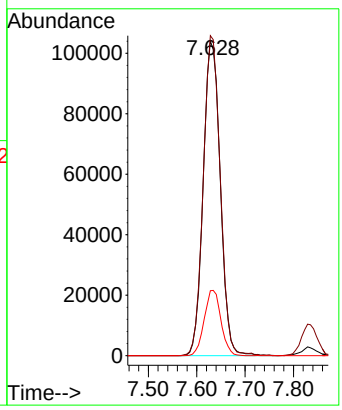




#35
Dibromofluoromethane
Concen: 50.179 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:113 Resp: 25517

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.1	121.7
192	20.4	16.2	24.4



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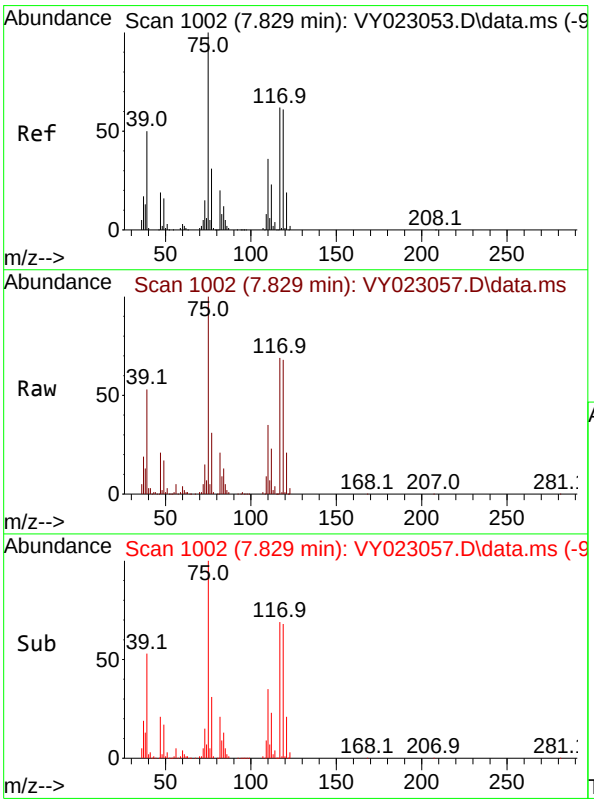
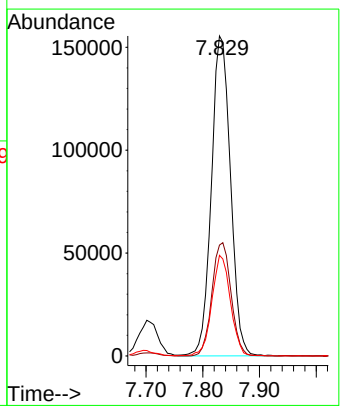
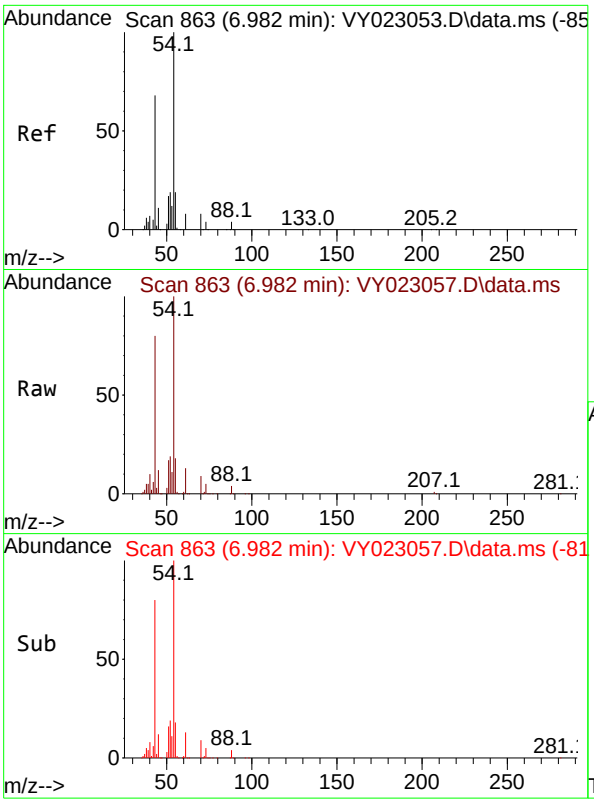


#36
1,1-Dichloropropene
Concen: 48.193 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 364210

Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.4
77	30.6	24.6	37.0





#37
Ethyl Acetate
Concen: 49.621 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 15753

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	10.7	8.8	13.2

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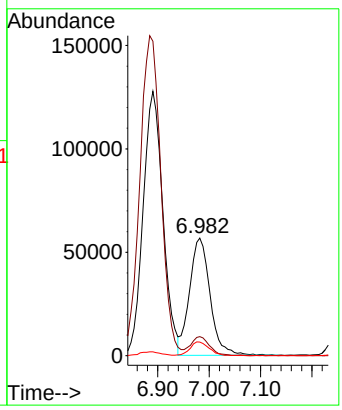
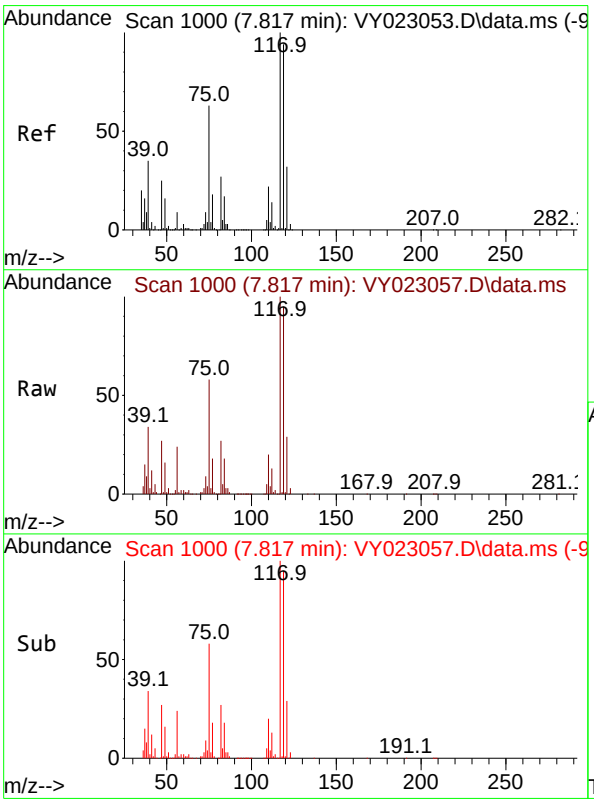
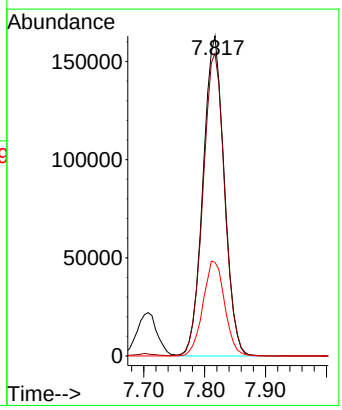


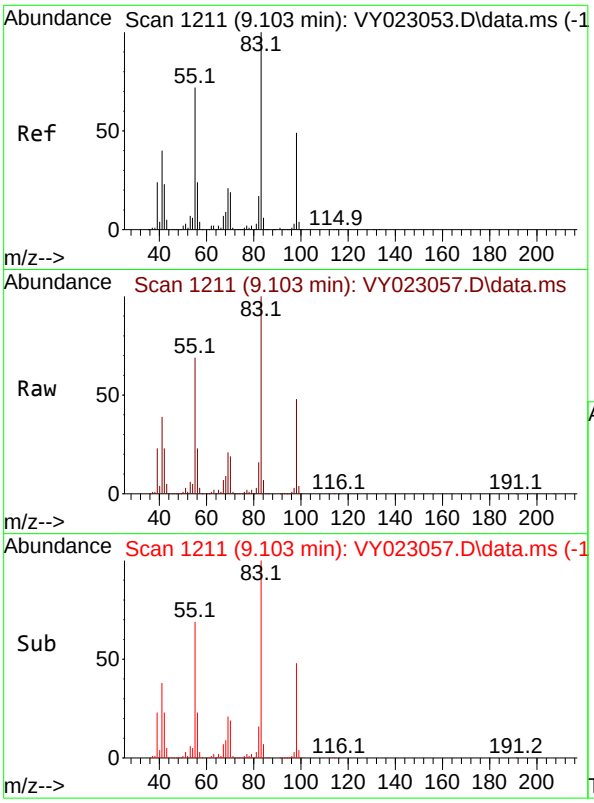


#38
Carbon Tetrachloride
Concen: 48.030 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:117 Resp: 394245

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	29.2	25.8	38.8

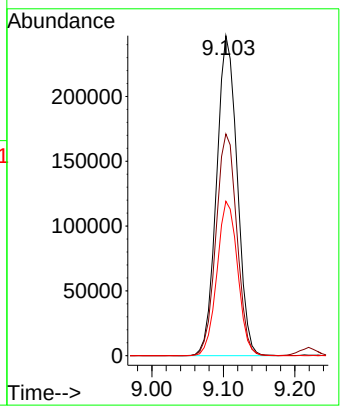




#39
Methylcyclohexane
Concen: 49.625 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 83 Resp: 49386

Ion	Ratio	Lower	Upper
83	100		
55	69.3	57.6	86.4
98	48.2	39.2	58.8



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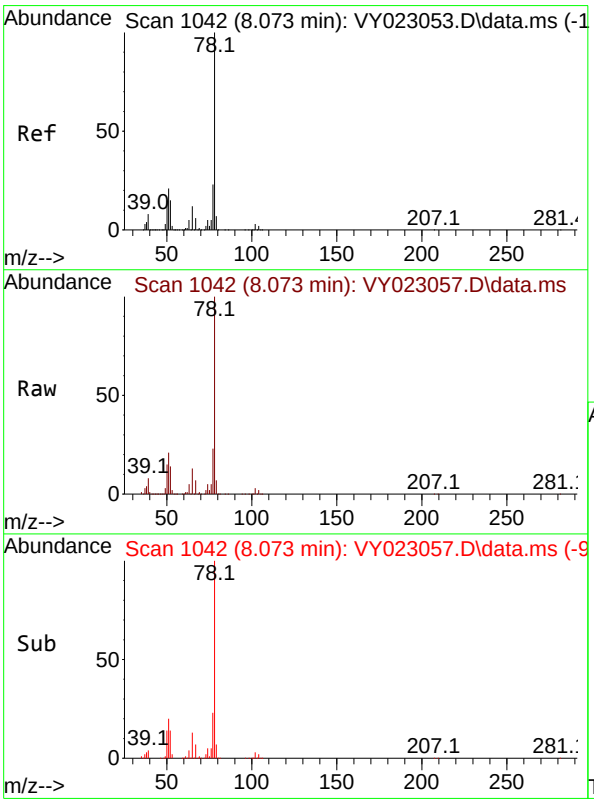
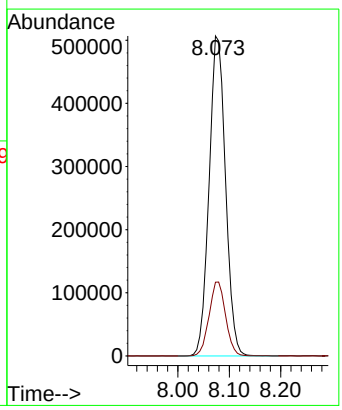
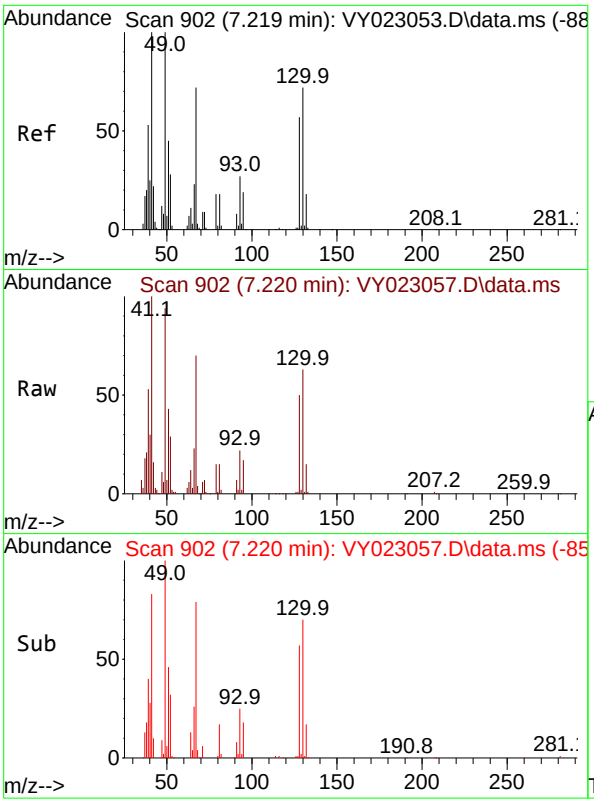


#40
Benzene
Concen: 48.428 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 78 Resp: 1128023

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0

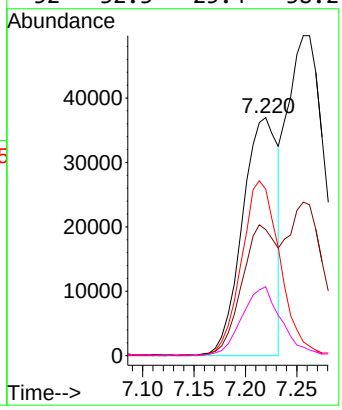




#41
Methacrylonitrile
Concen: 48.269 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 8843

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.4	65.2
67	80.6	63.6	95.4
52	32.3	25.4	38.2



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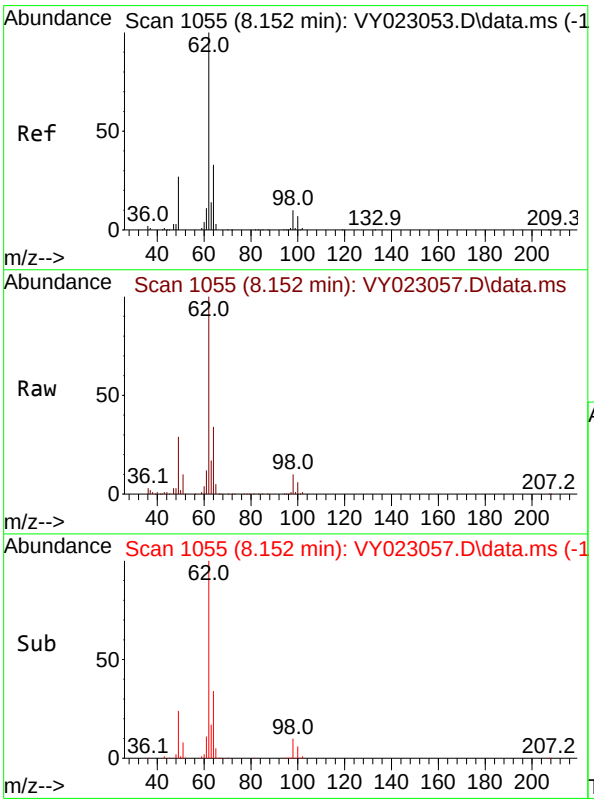
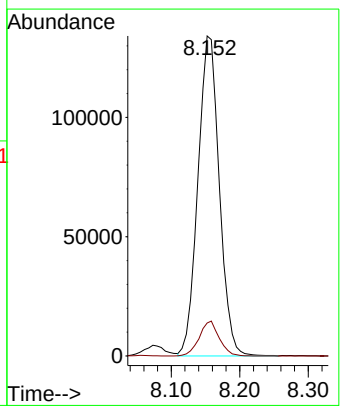
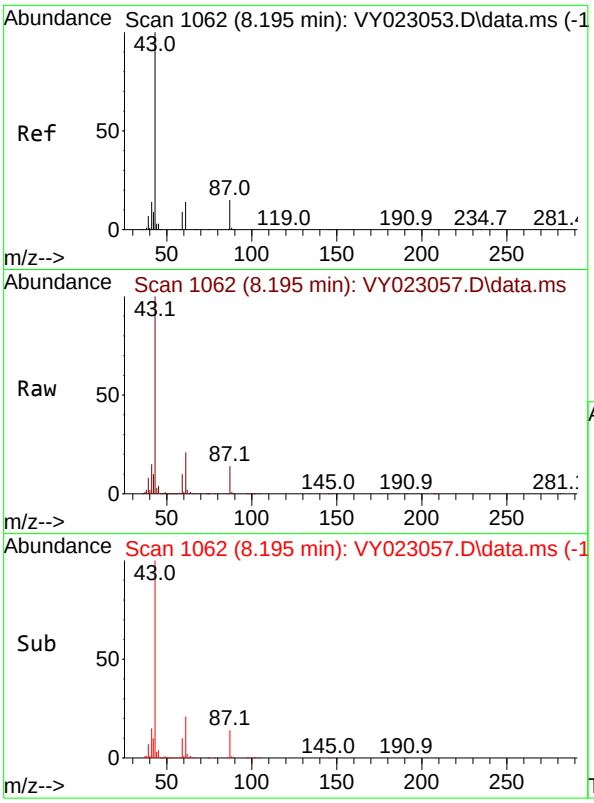


#42
1,2-Dichloroethane
Concen: 48.162 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 62 Resp: 291766

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

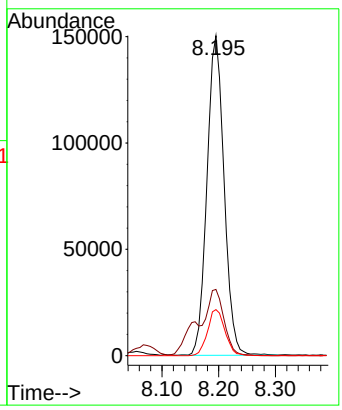




#43
Isopropyl Acetate
Concen: 49.094 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 3150

Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.4	24.6
87	14.7	11.8	17.6



Instrument :
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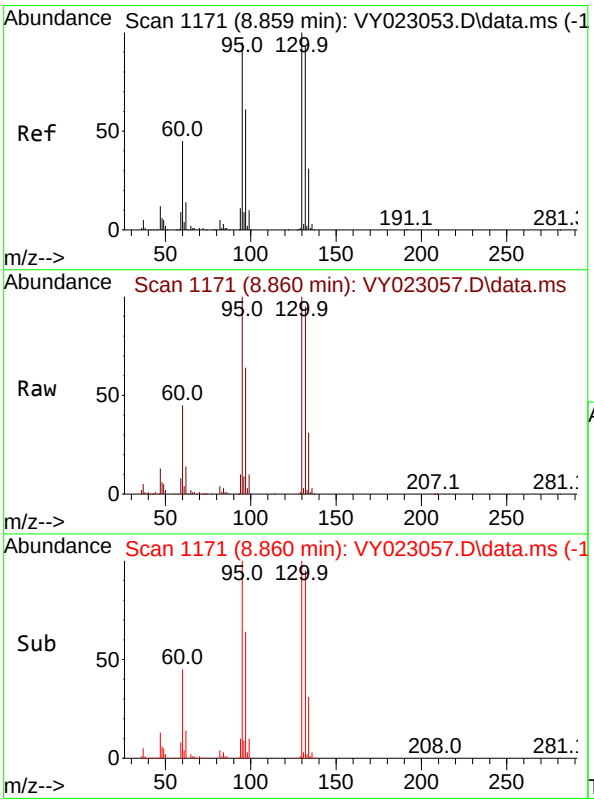
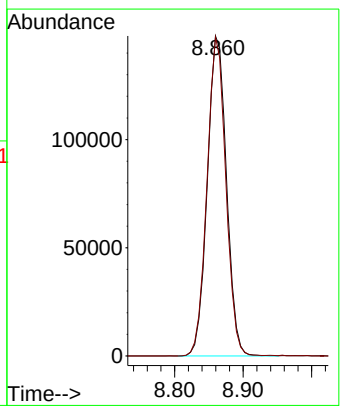
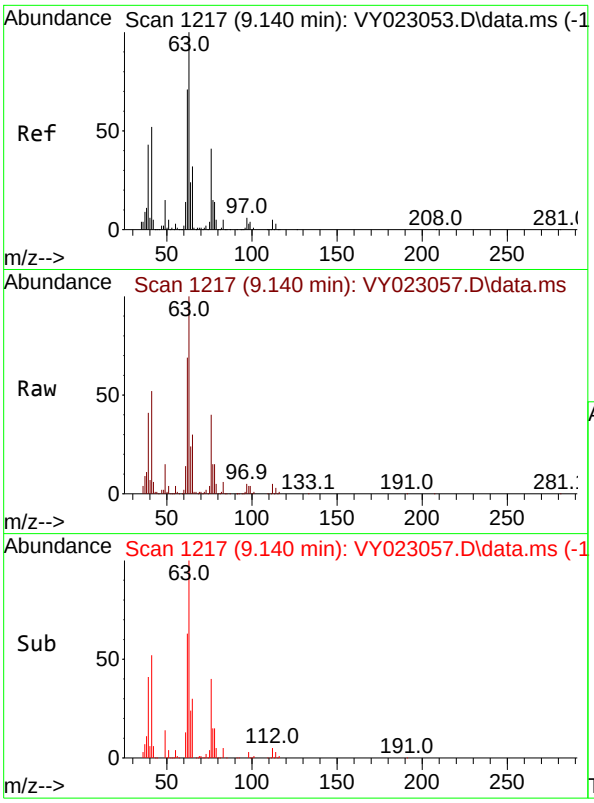


#44
Trichloroethene
Concen: 47.803 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:130 Resp: 287745

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	190.2

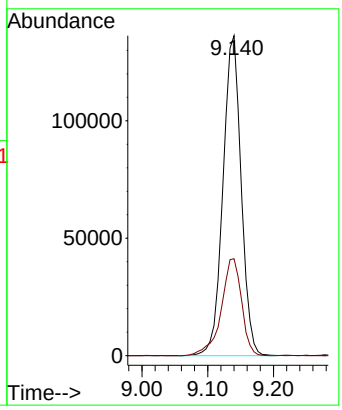




#45
1,2-Dichloropropane
Concen: 48.961 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 63 Resp: 26240

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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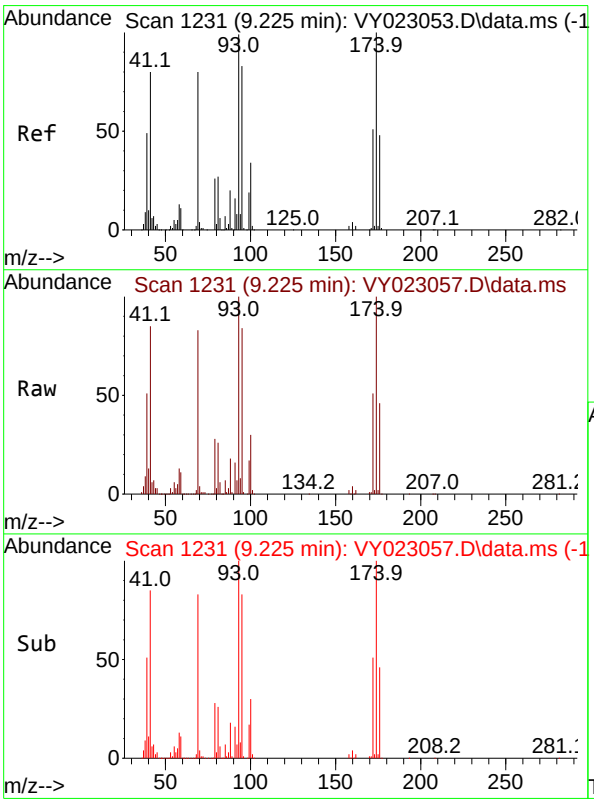
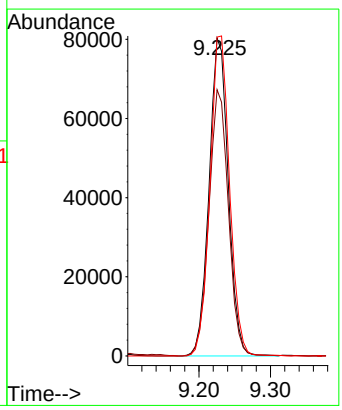
Supervised By :Semsettin Yesilyurt 08/14/2025

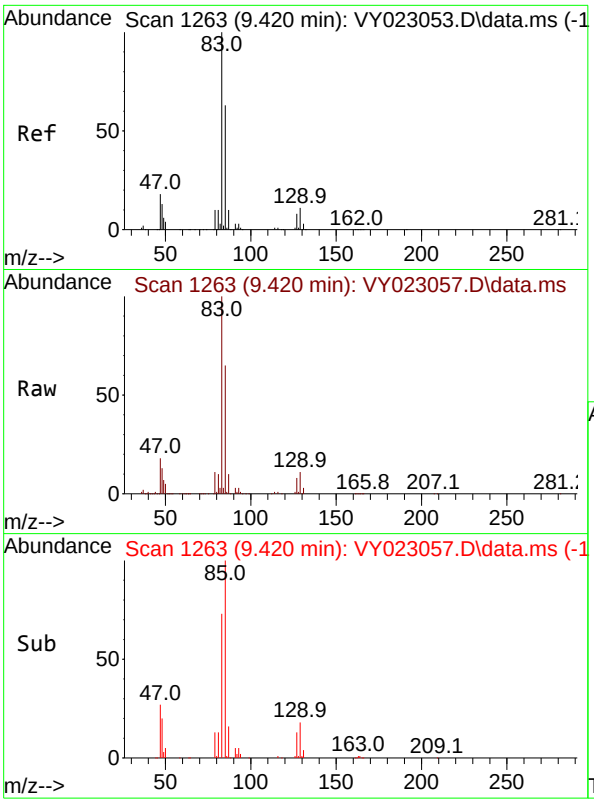


#46
Dibromomethane
Concen: 48.679 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 93 Resp: 149745

Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.5	99.7
174	102.5	81.8	122.8

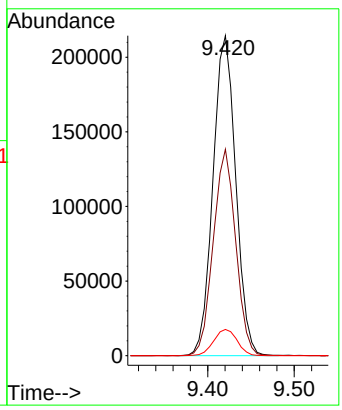




#47
Bromodichloromethane
Concen: 49.463 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 83 Resp: 39152

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.2	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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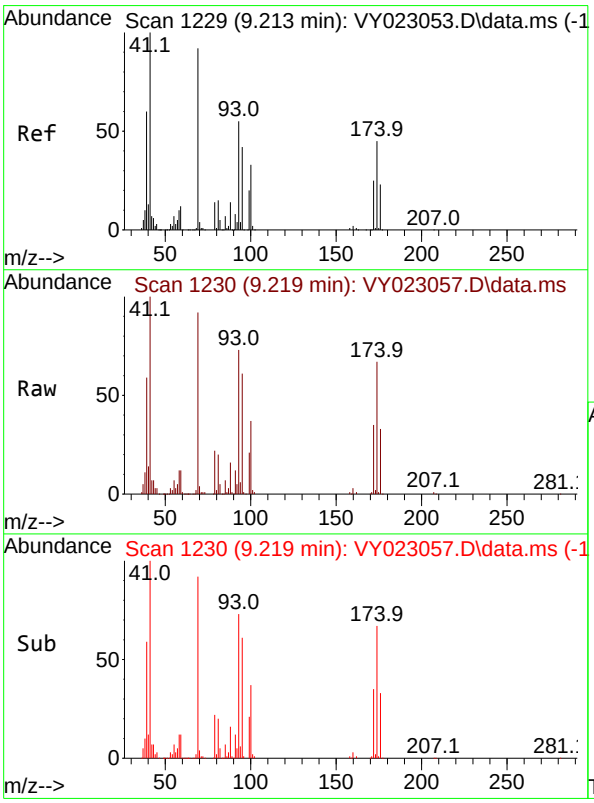
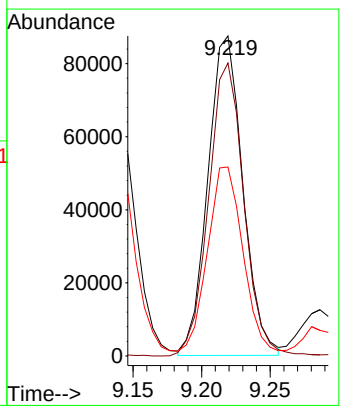
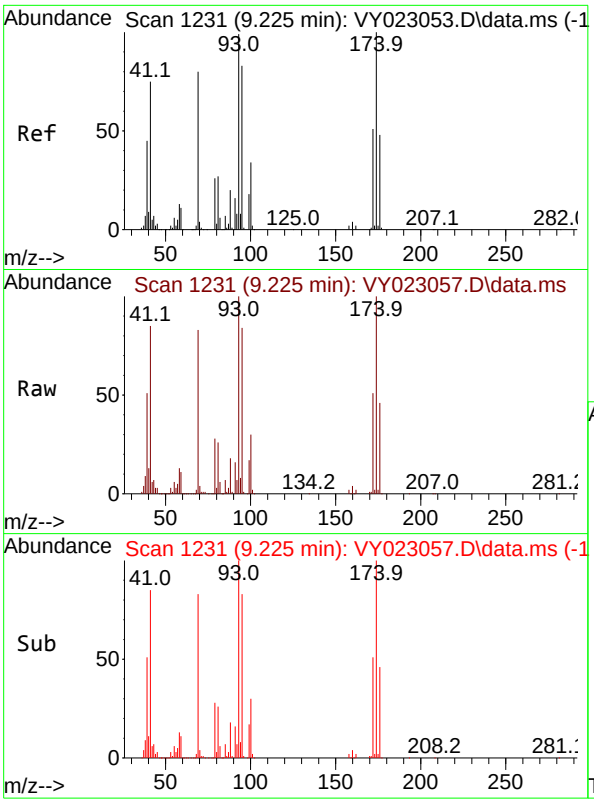


#48
Methyl methacrylate
Concen: 50.520 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 155118

Ion	Ratio	Lower	Upper
41	100		
69	92.7	73.2	109.8
39	57.8	47.0	70.4

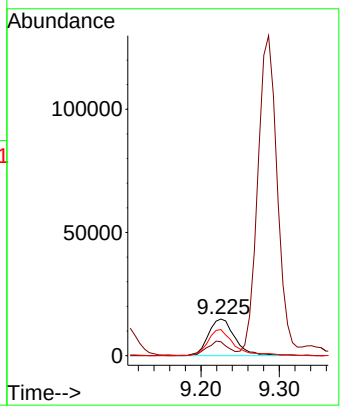




#49
1,4-Dioxane
Concen: 971.749 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 88 Resp: 3505

Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.3	36.5
58	70.9	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
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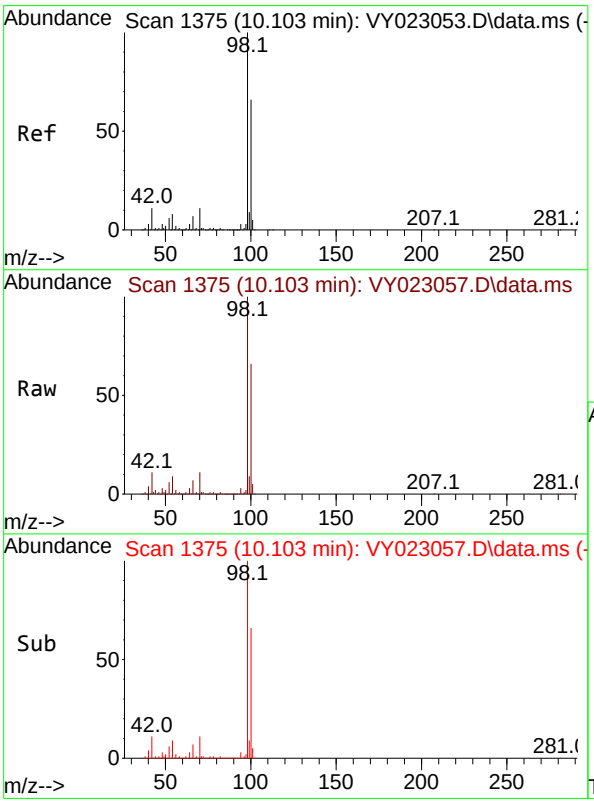
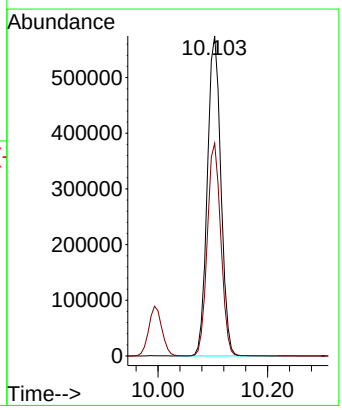
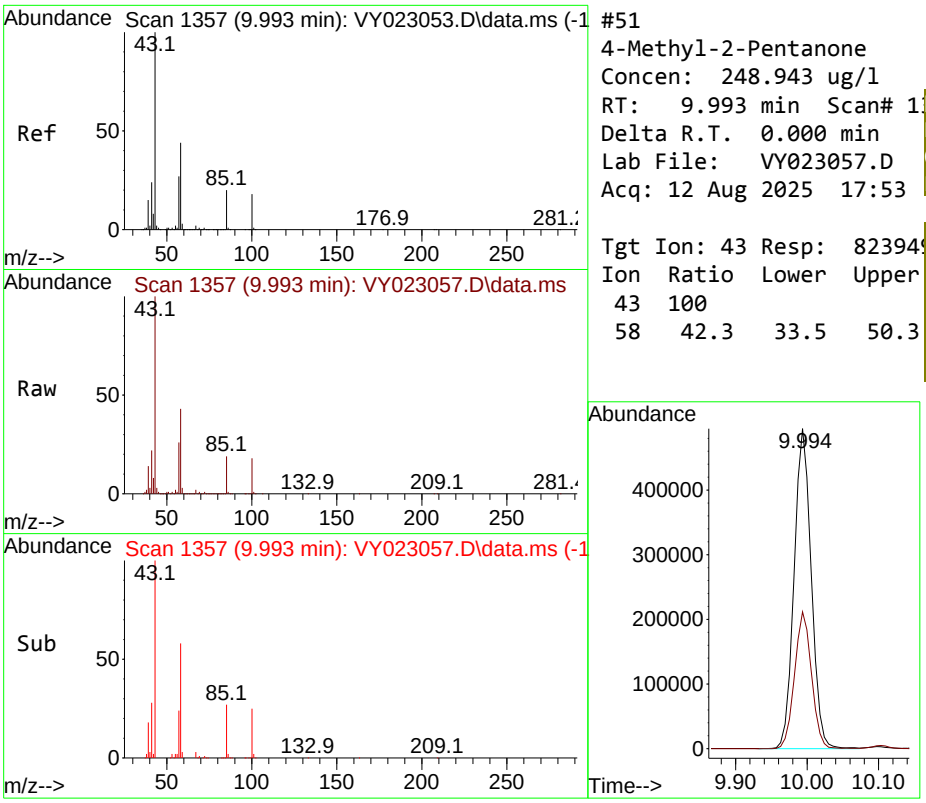


#50
Toluene-d8
Concen: 49.306 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 98 Resp: 979510

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 248.943 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 82394

Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.5	50.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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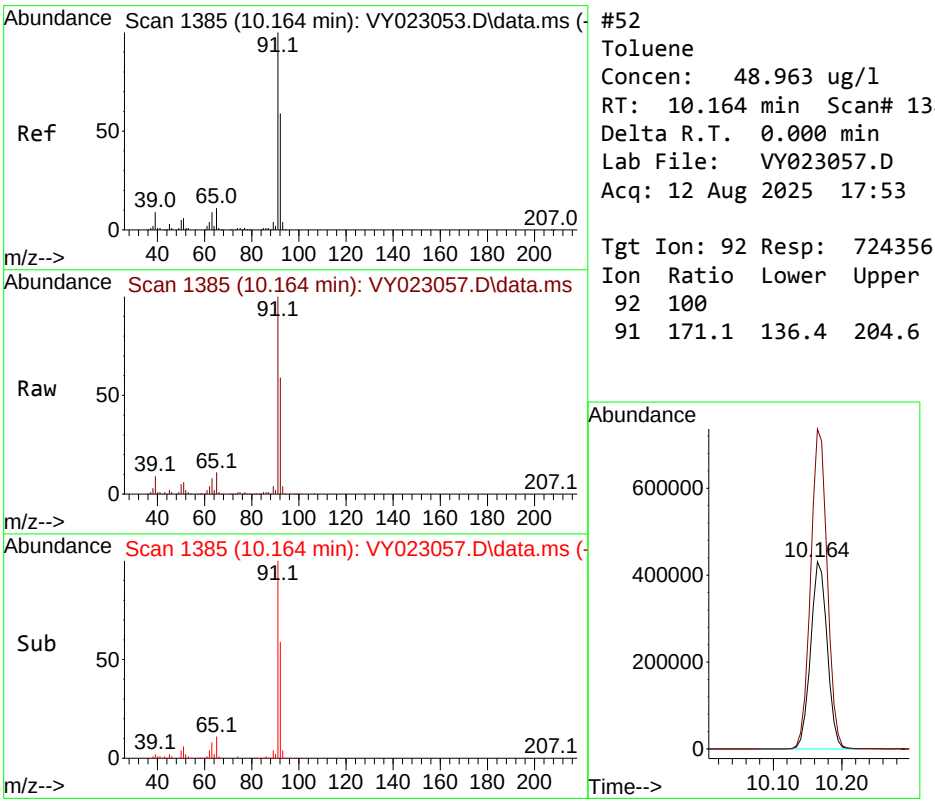
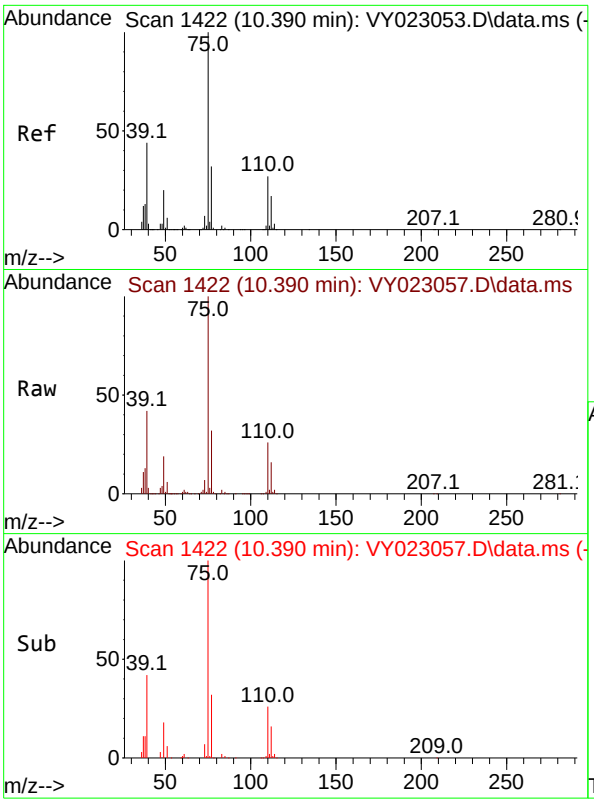


#52
Toluene
Concen: 48.963 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 92 Resp: 724356

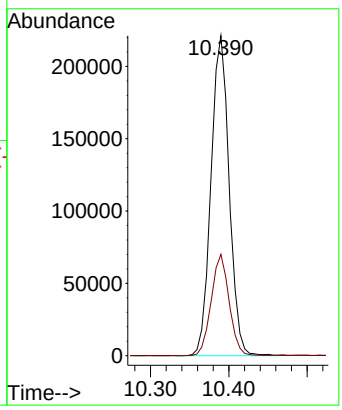
Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.4	204.6



#53
t-1,3-Dichloropropene
Concen: 49.699 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 35622

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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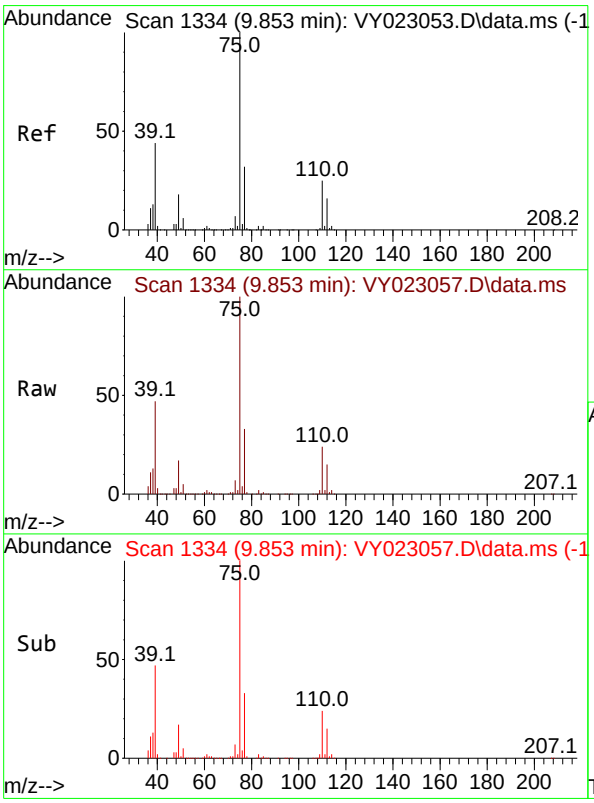
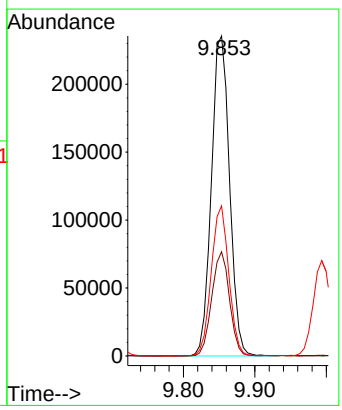
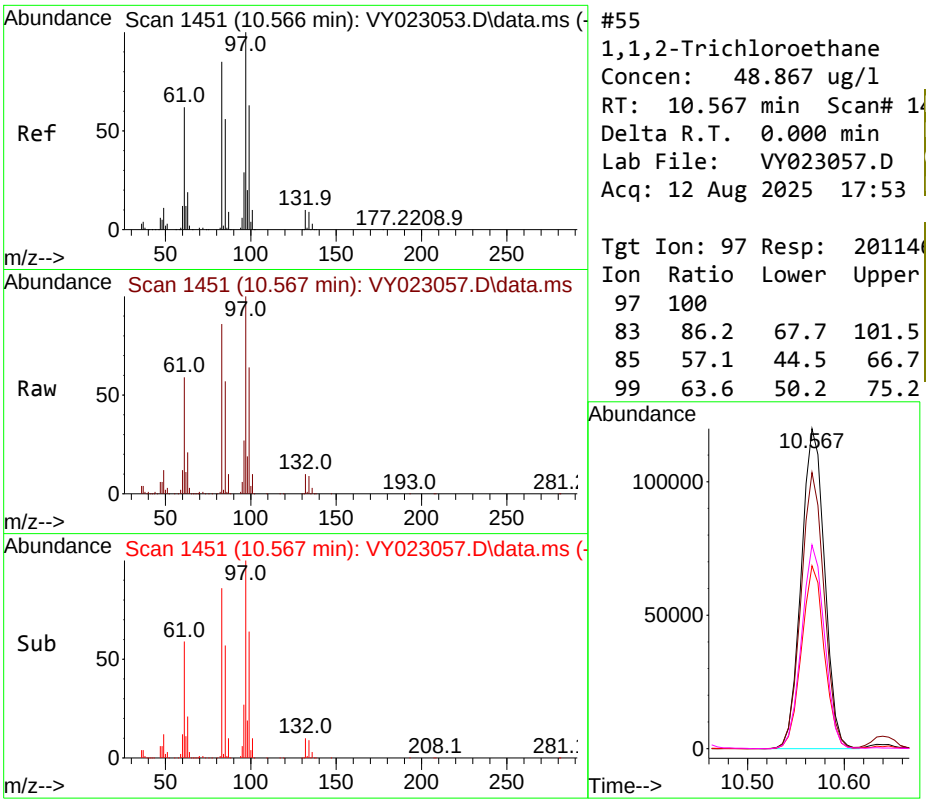


#54
cis-1,3-Dichloropropene
Concen: 48.965 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 415017

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	46.8	35.6	53.4





#55
1,1,2-Trichloroethane
Concen: 48.867 ug/l
RT: 10.567 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 97 Resp: 20114

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.7	101.5
85	57.1	44.5	66.7
99	63.6	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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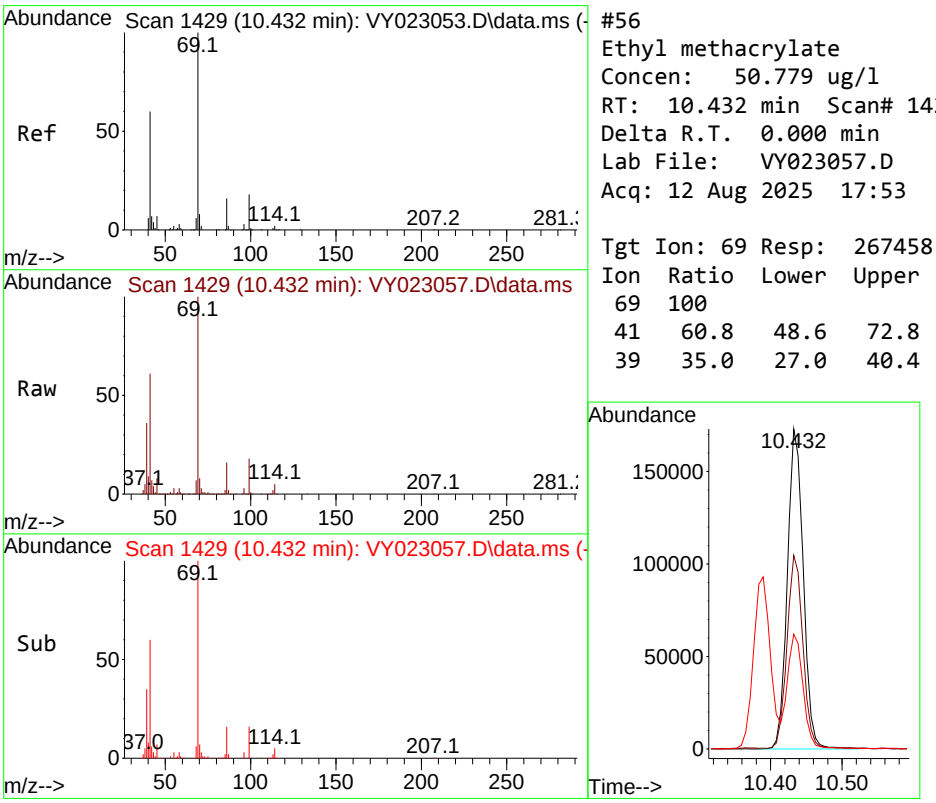
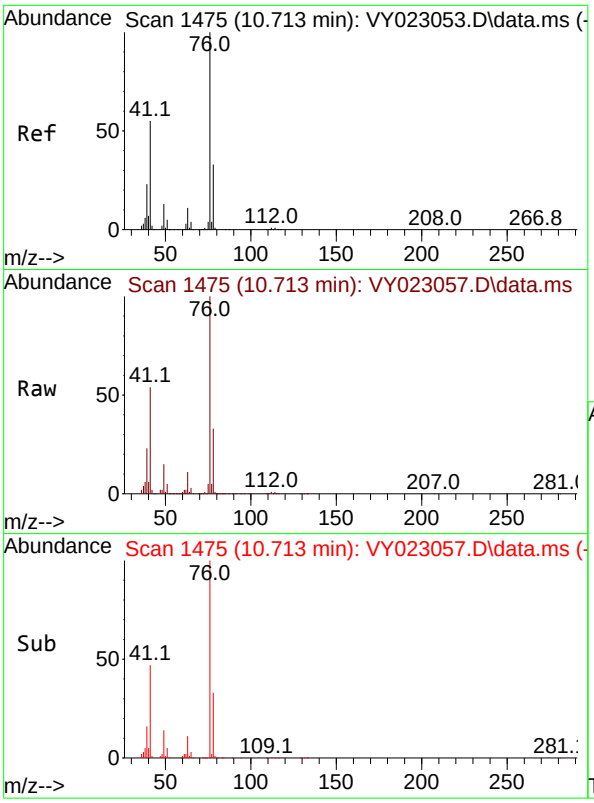


#56
Ethyl methacrylate
Concen: 50.779 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 69 Resp: 267458

Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.6	72.8
39	35.0	27.0	40.4



#57
1,3-Dichloropropane
Concen: 49.228 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 76 Resp: 34364

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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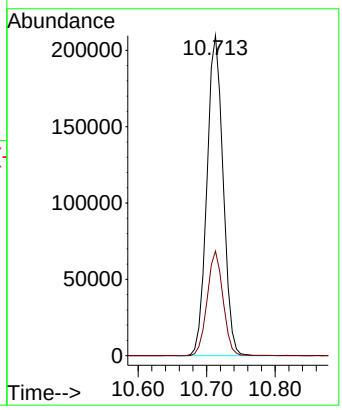
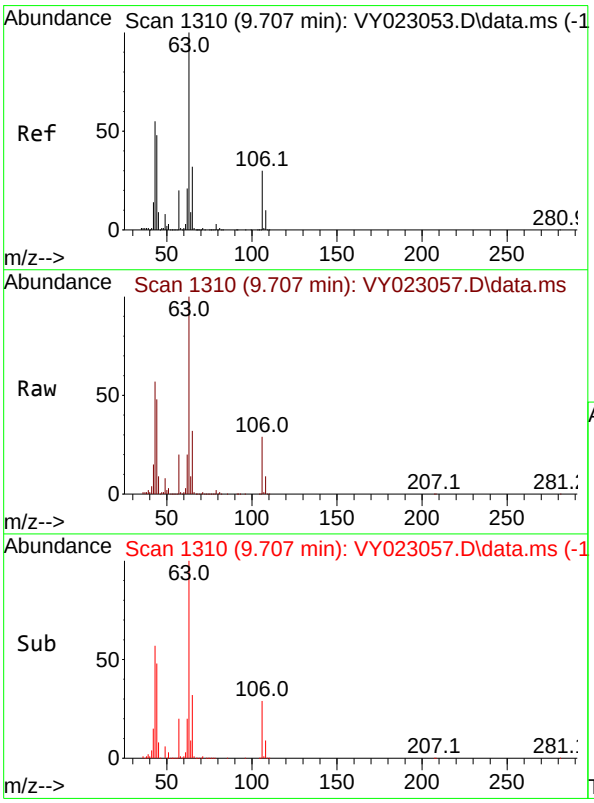
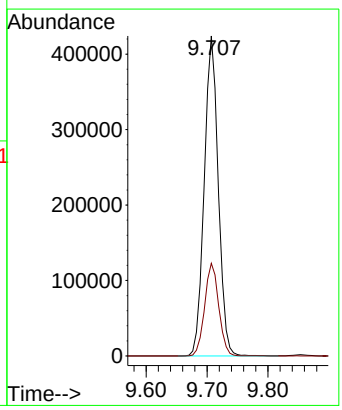


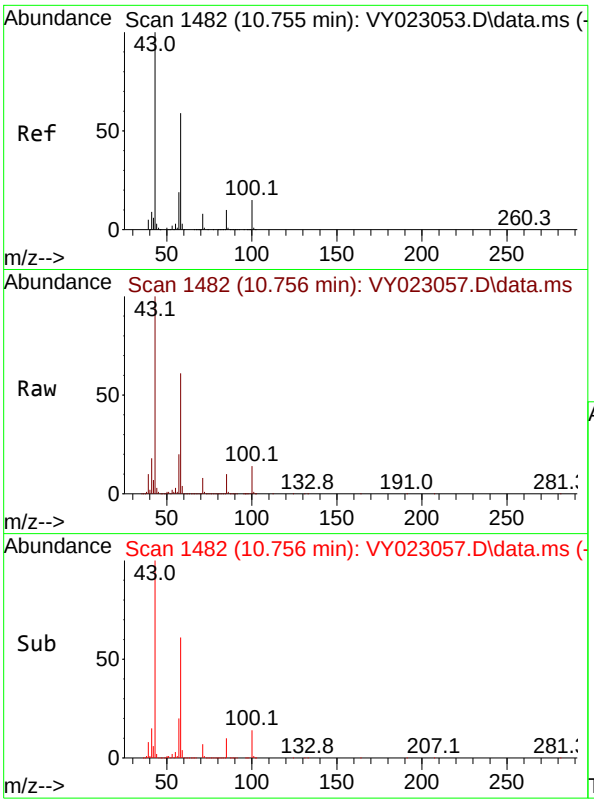


#58
2-Chloroethyl Vinyl ether
Concen: 273.240 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 63 Resp: 678865

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.2	34.8

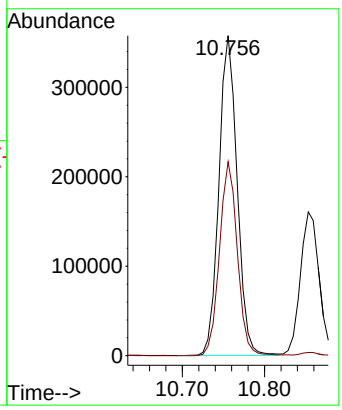




#59
2-Hexanone
Concen: 244.812 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 55174

Ion	Ratio	Lower	Upper
43	100		
58	59.5	29.5	88.5



Instrument :
MSVOA_Y
ClientSampleId :
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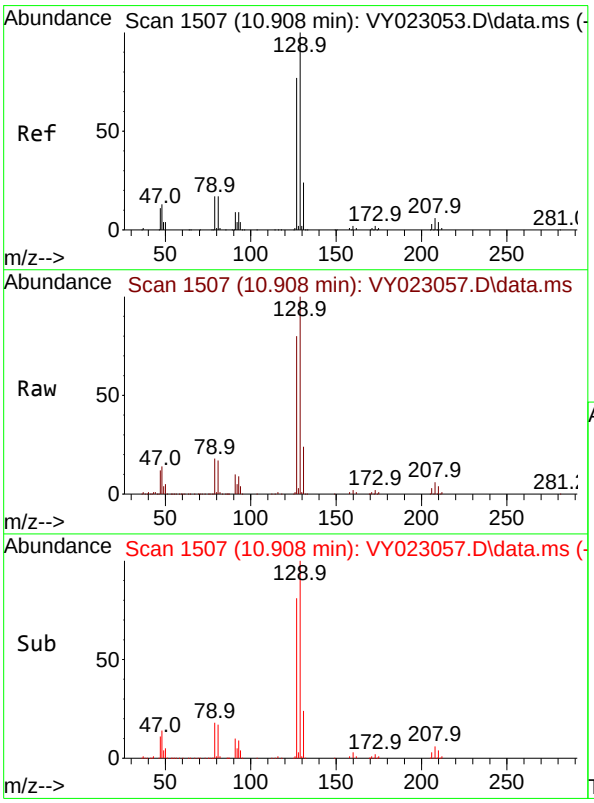
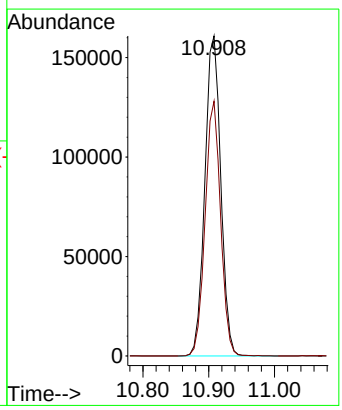
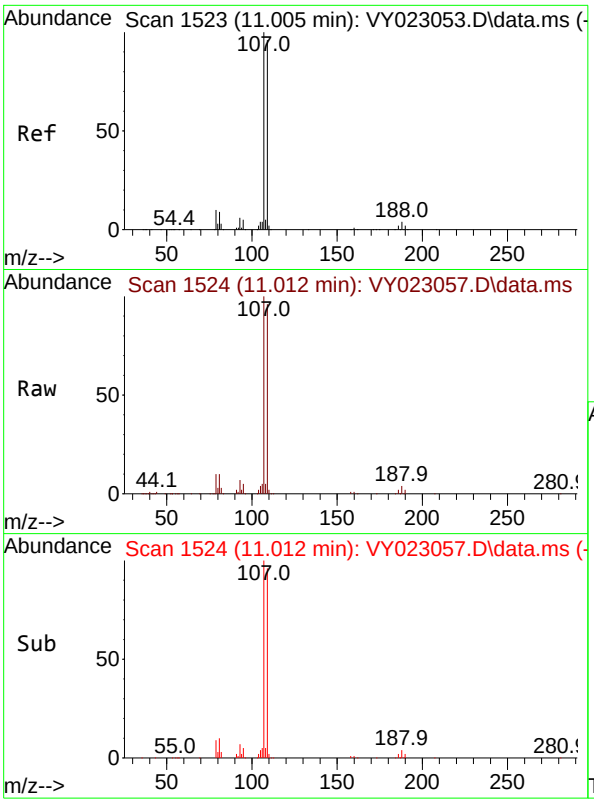


#60
Dibromochloromethane
Concen: 49.810 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:129 Resp: 270536

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5

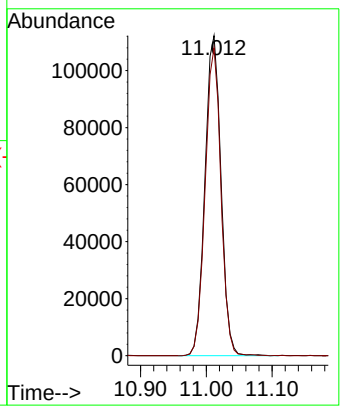




#61
1,2-Dibromoethane
Concen: 49.197 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:107 Resp: 19033

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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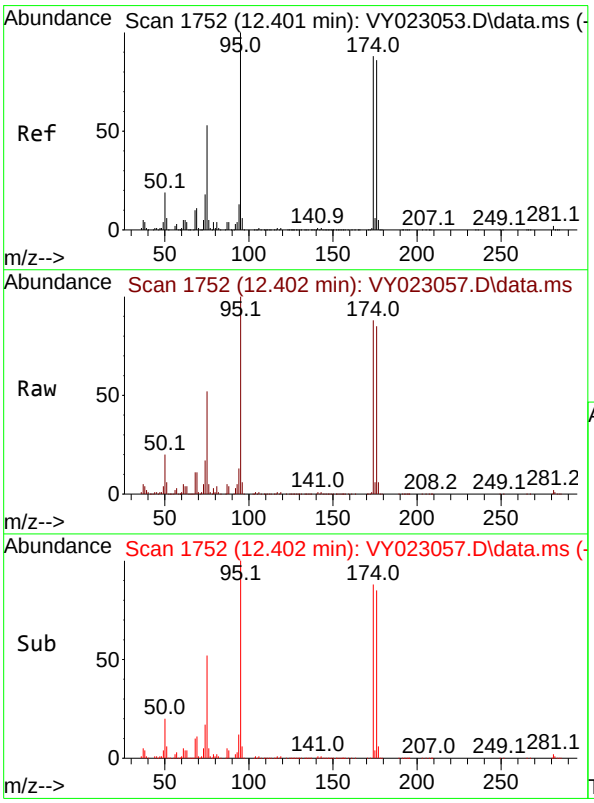
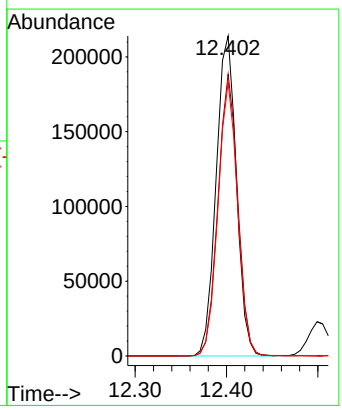
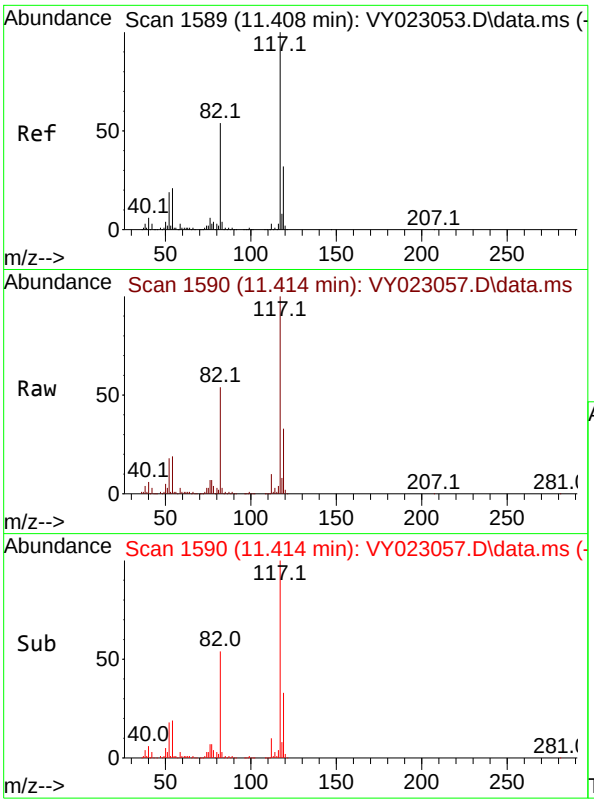


#62
4-Bromofluorobenzene
Concen: 51.500 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 95 Resp: 329022

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	171.6
176	82.9	0.0	167.6

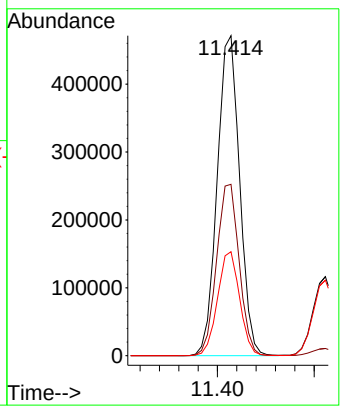




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:117 Resp: 75655

Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.5	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
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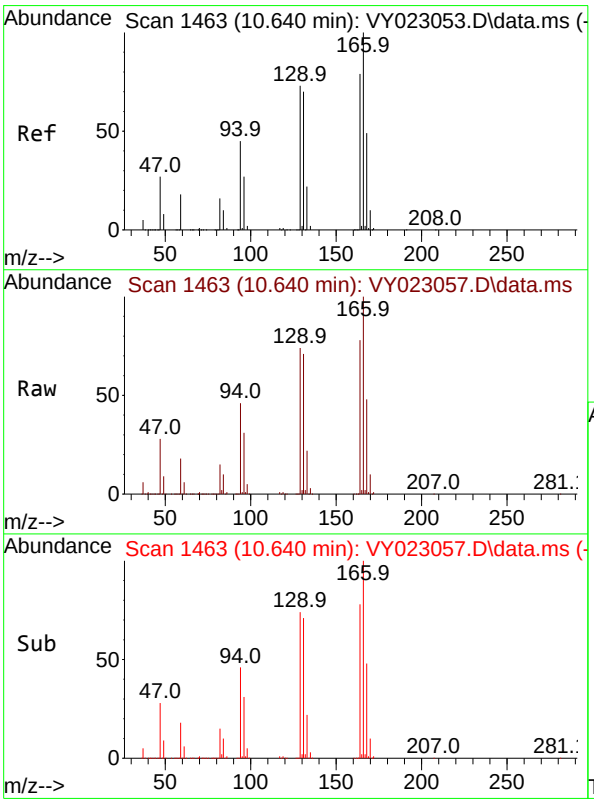
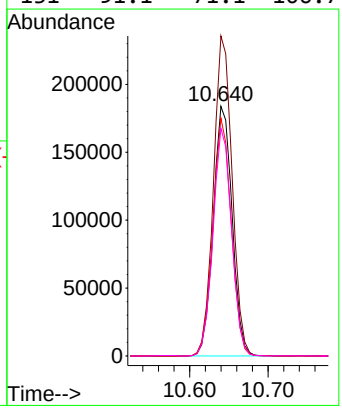
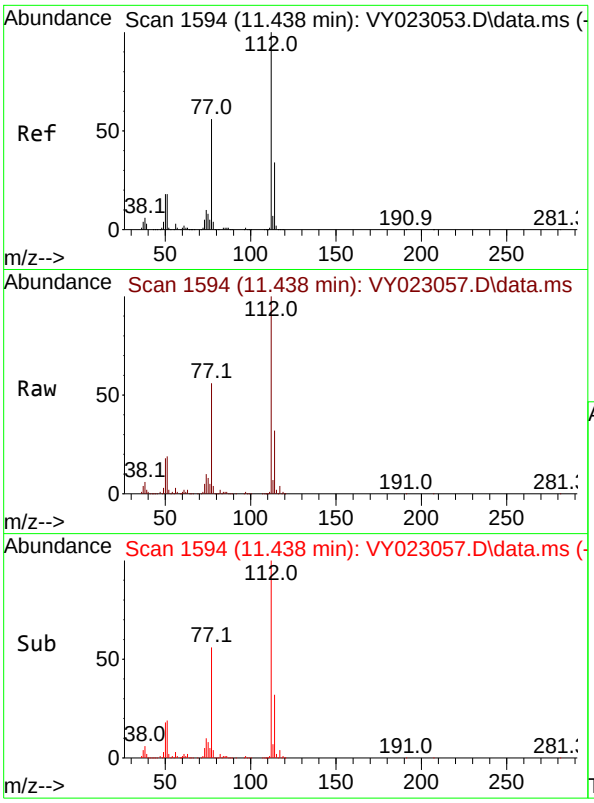


#64
Tetrachloroethene
Concen: 45.512 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:164 Resp: 307456

Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	95.3	74.0	111.0
131	91.1	71.1	106.7

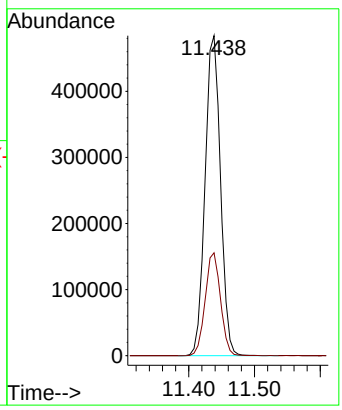




#65
Chlorobenzene
Concen: 48.275 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:112 Resp: 78779

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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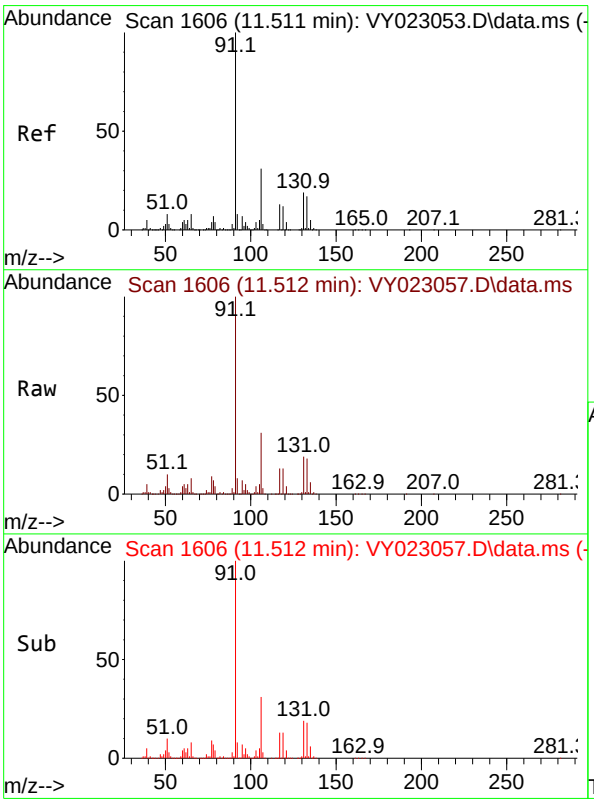
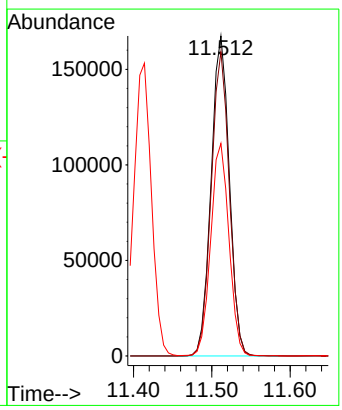
Supervised By :Semsettin Yesilyurt 08/14/2025

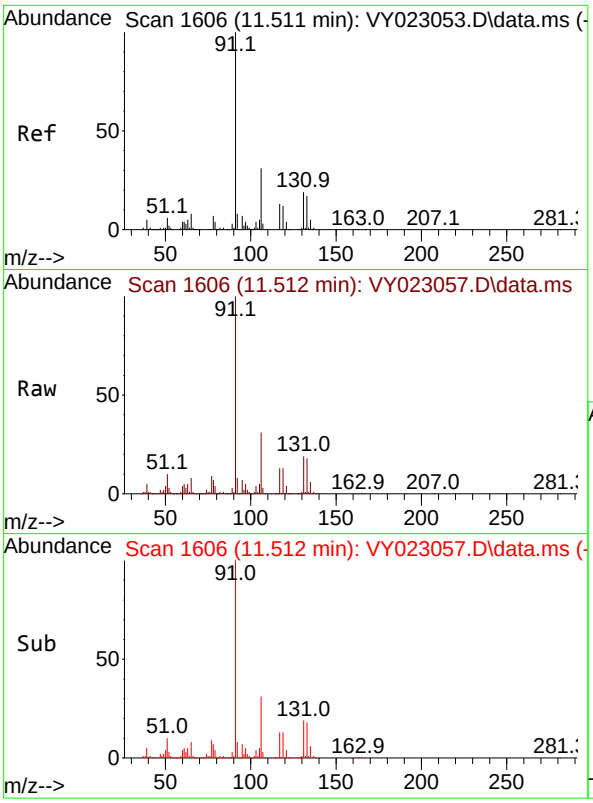


#66
1,1,1,2-Tetrachloroethane
Concen: 48.815 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:131 Resp: 270360

Ion	Ratio	Lower	Upper
131	100		
133	94.4	46.9	140.6
119	66.7	33.2	99.6

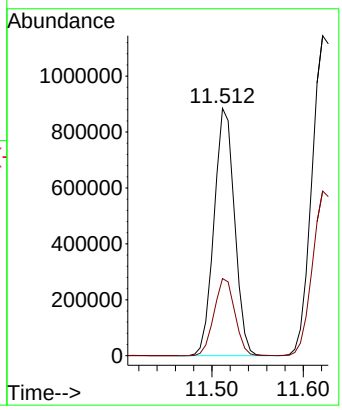




#67
Ethyl Benzene
Concen: 49.163 ug/l
RT: 11.512 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 138064

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
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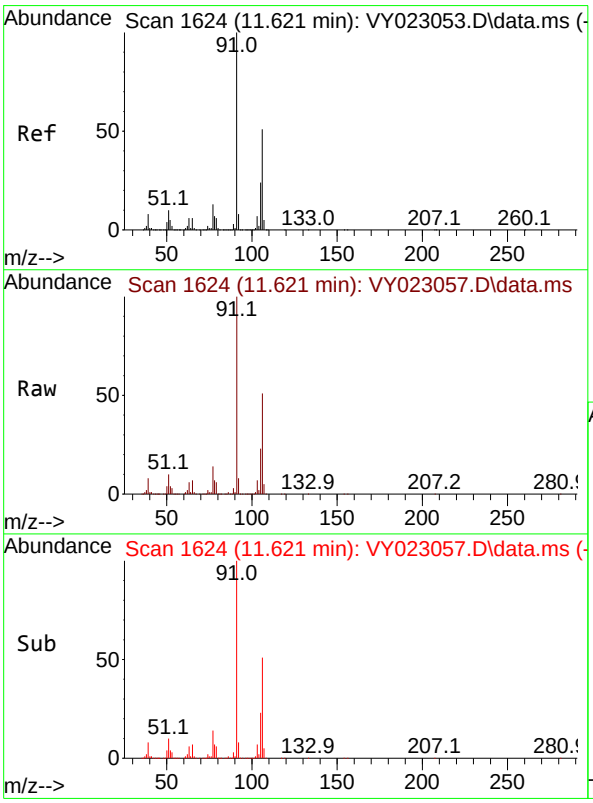
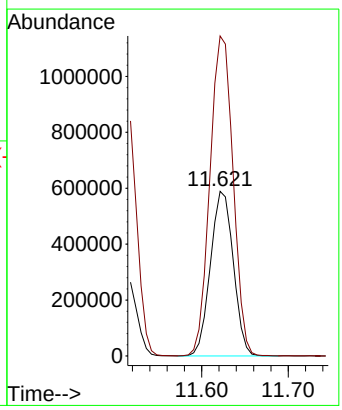
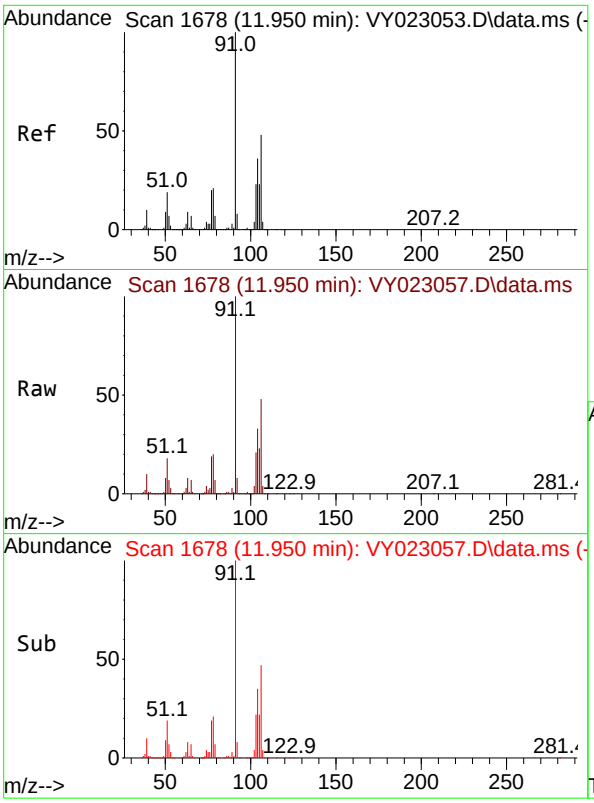


#68
m/p-Xylenes
Concen: 98.515 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:106 Resp: 1080541

Ion	Ratio	Lower	Upper
106	100		
91	197.0	158.6	238.0





#69
o-Xylene
Concen: 49.645 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:106 Resp: 50999

Ion	Ratio	Lower	Upper
106	100		
91	207.4	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
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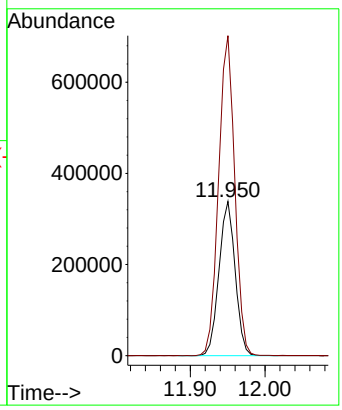
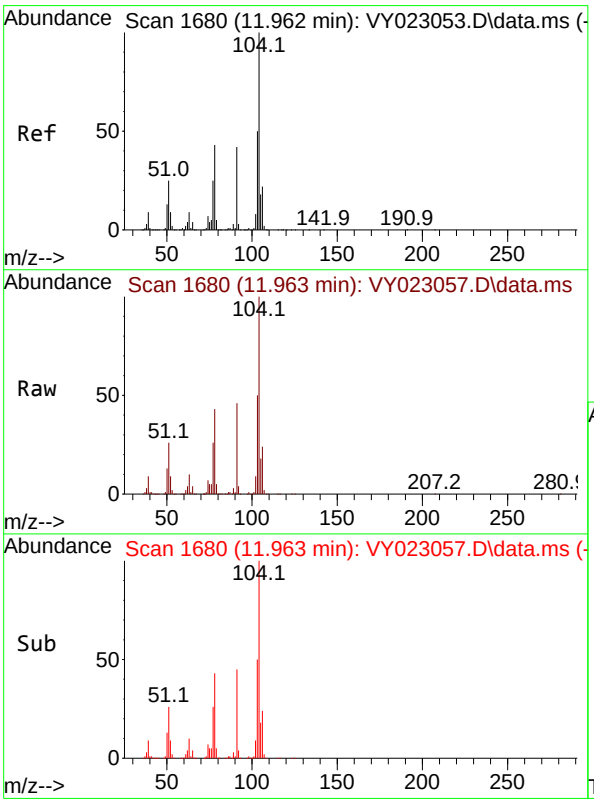
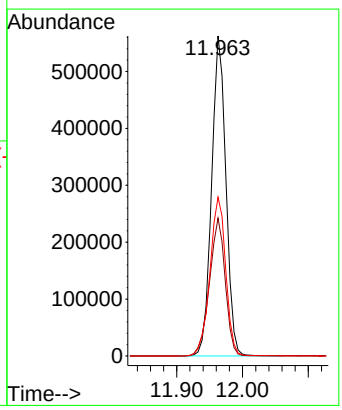


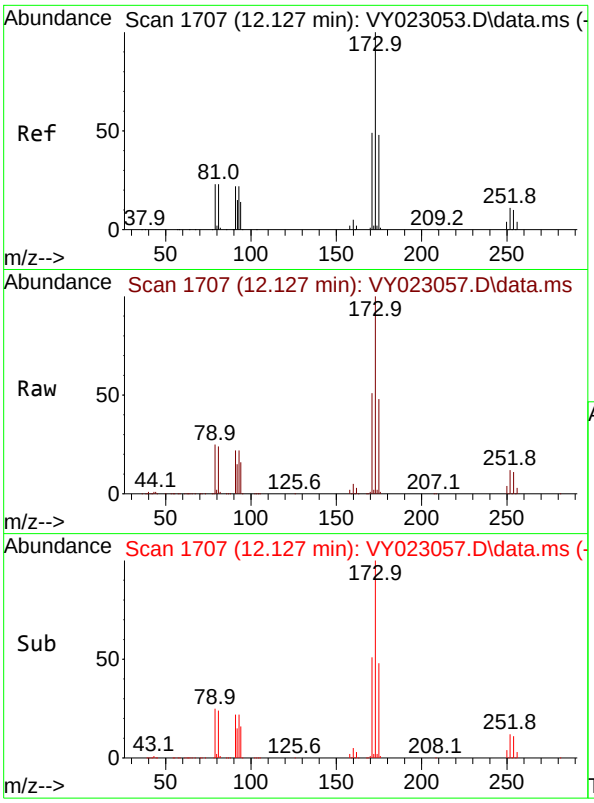


#70
Styrene
Concen: 50.733 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:104 Resp: 852310

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	54.6	43.7	65.5

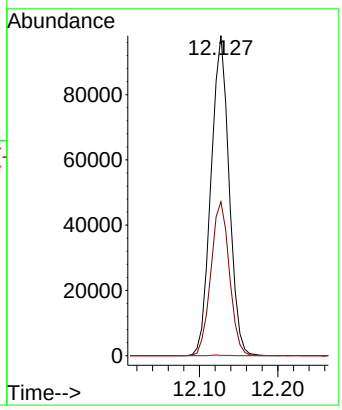




#71
Bromoform
Concen: 48.525 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:173 Resp: 15707

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.7
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
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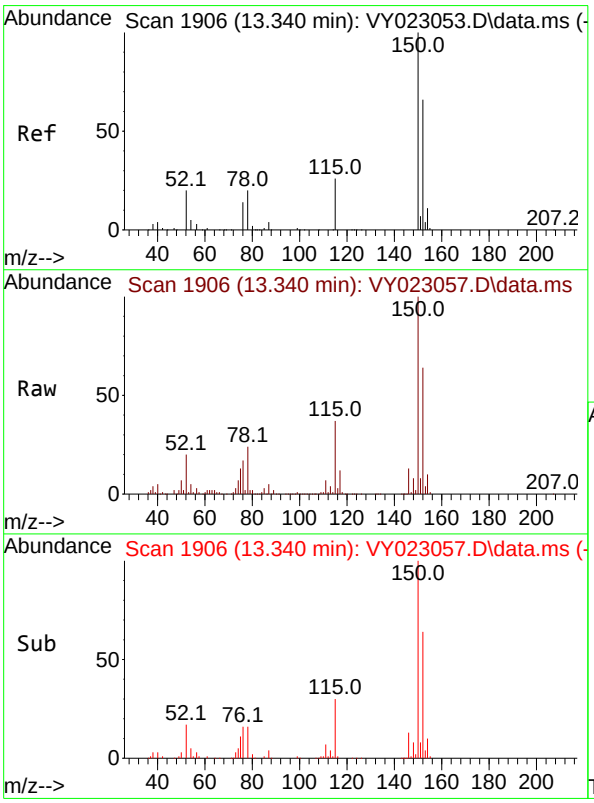
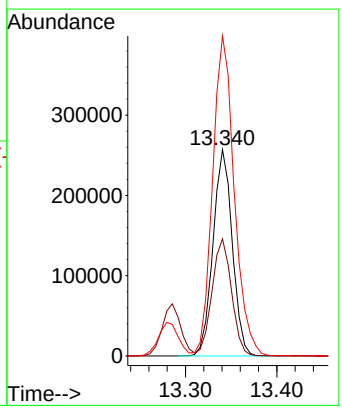
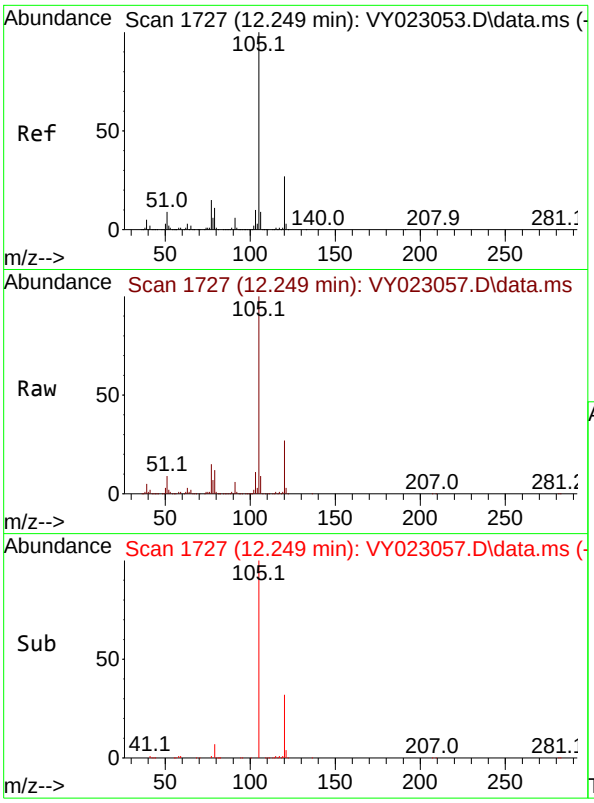


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:152 Resp: 376990

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.2	84.6
150	174.1	0.0	348.0

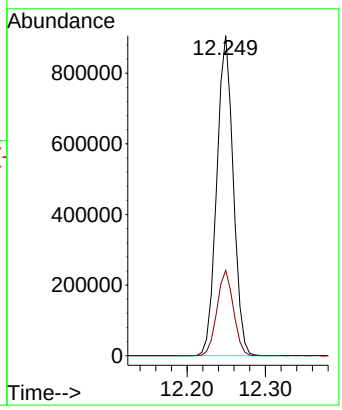




#73
Isopropylbenzene
Concen: 49.876 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:105 Resp: 132707

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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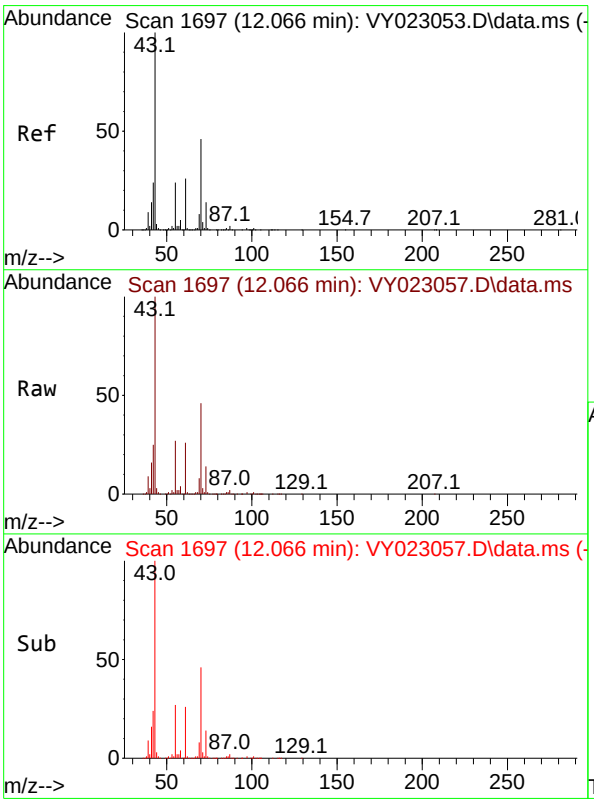
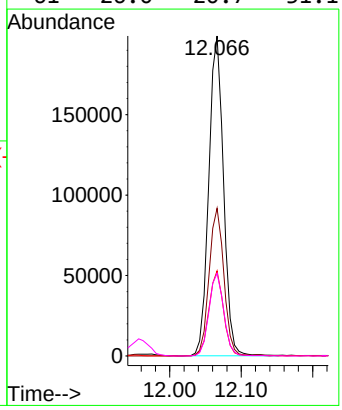
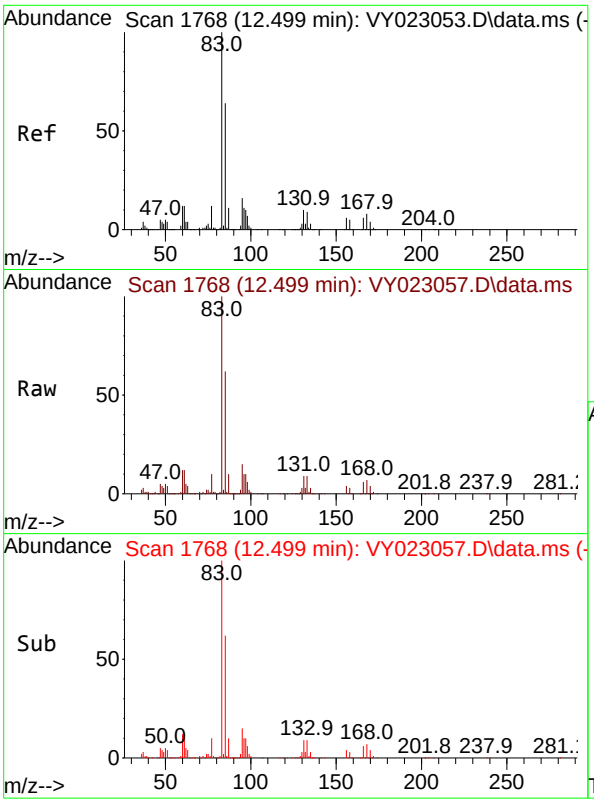


#74
N-amyl acetate
Concen: 50.529 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 285118

Ion	Ratio	Lower	Upper
43	100		
70	46.5	37.5	56.3
55	26.2	20.7	31.1
61	26.0	20.7	31.1

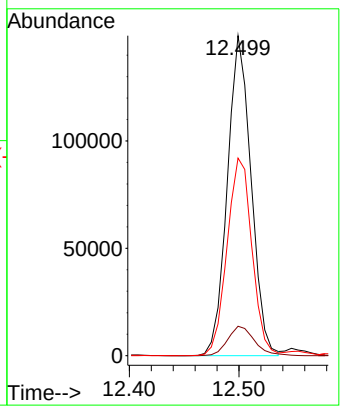




#75
1,1,2,2-Tetrachloroethane
Concen: 49.350 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 83 Resp: 22420

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	65.0	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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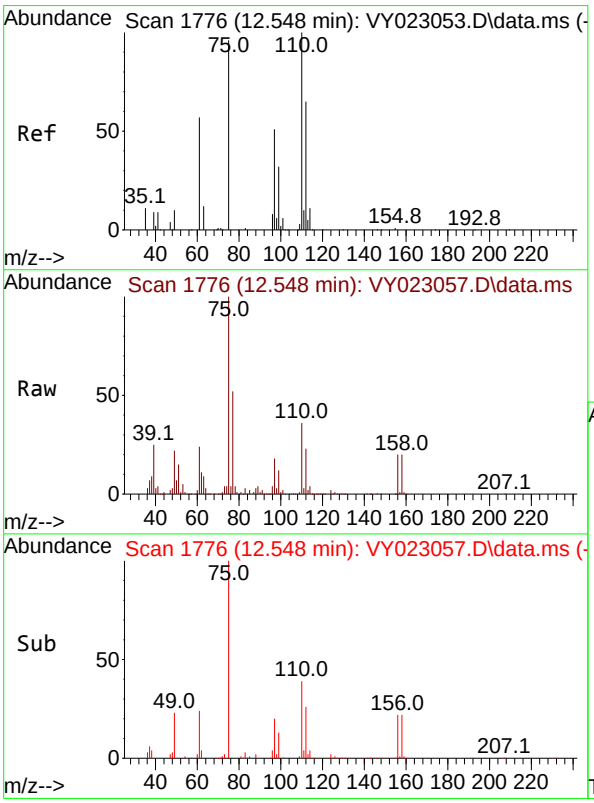
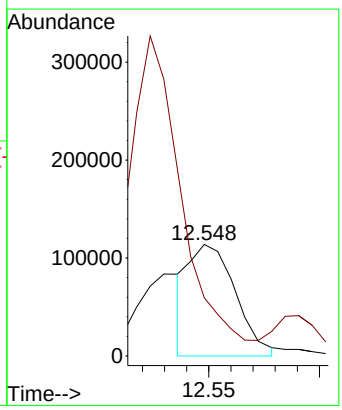
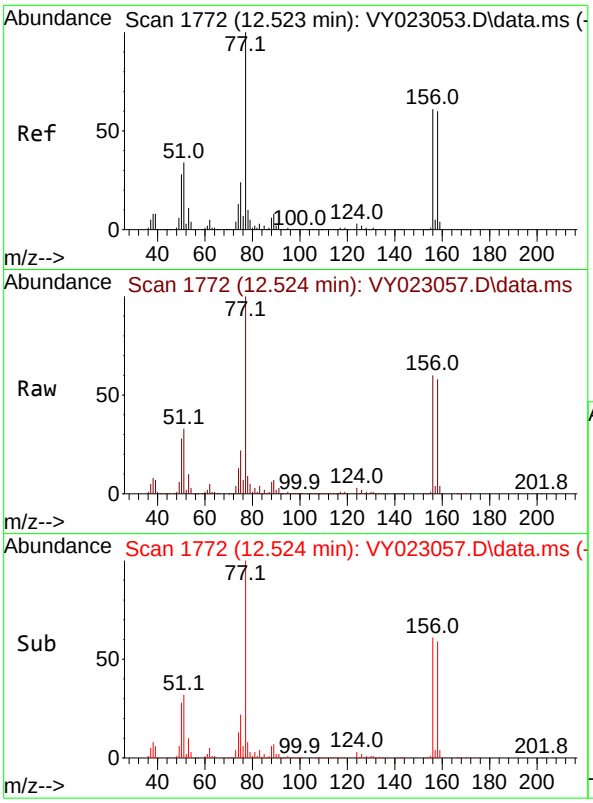


#76
1,2,3-Trichloropropane
Concen: 46.136 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 167859

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

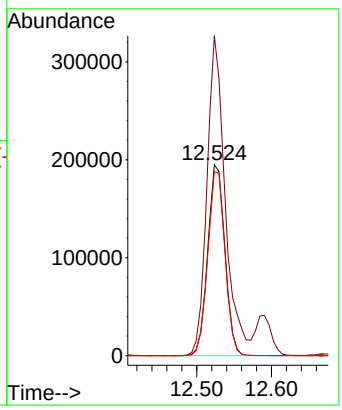




#77
Bromobenzene
Concen: 49.004 ug/l
RT: 12.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:156 Resp: 31106

Ion	Ratio	Lower	Upper
156	100		
77	178.4	88.1	264.4
158	96.6	48.0	144.0



Instrument :
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ClientSampleId :
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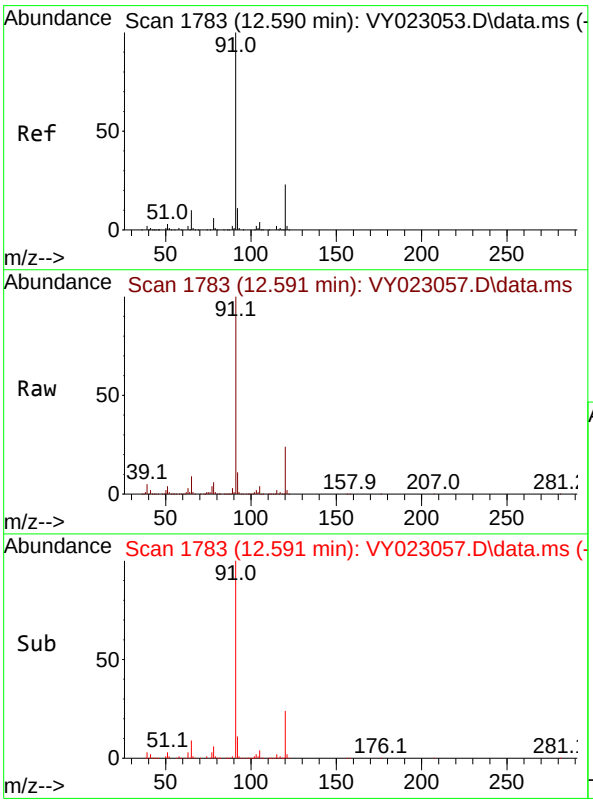
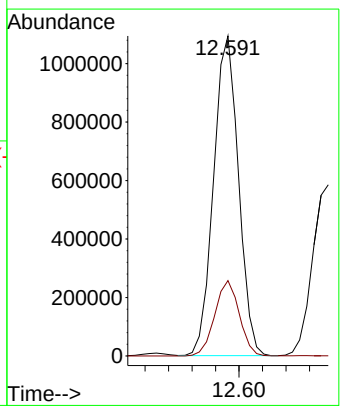
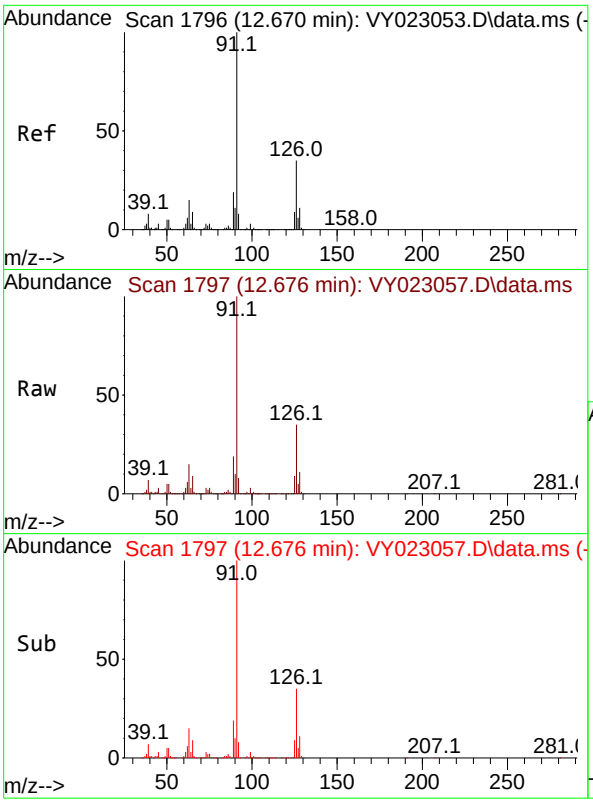


#78
n-propylbenzene
Concen: 50.853 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 1610911

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.5

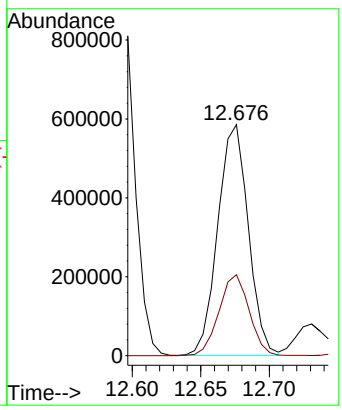




#79
2-Chlorotoluene
Concen: 49.898 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 90565

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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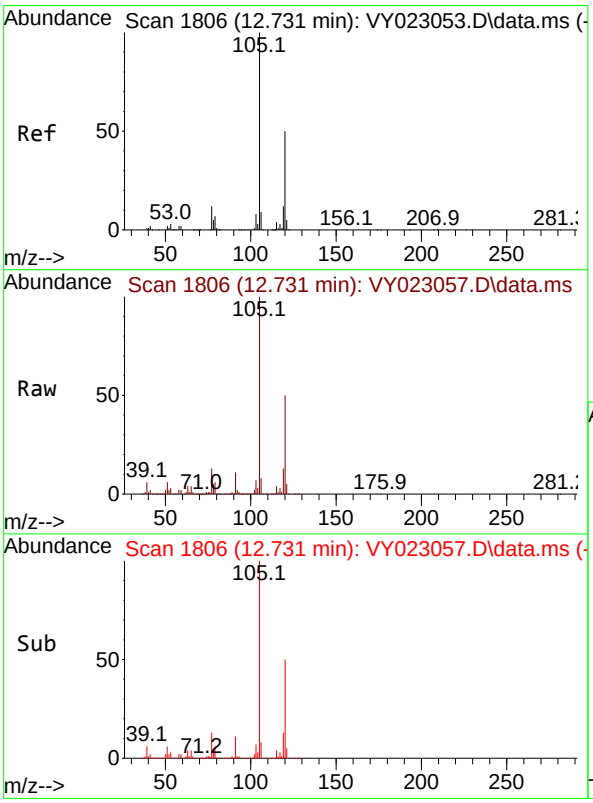
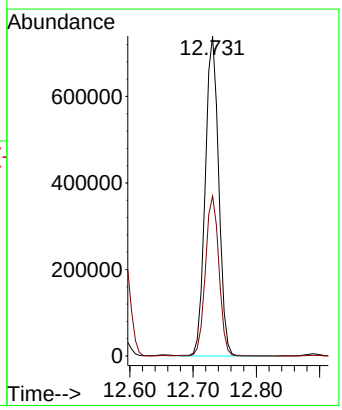
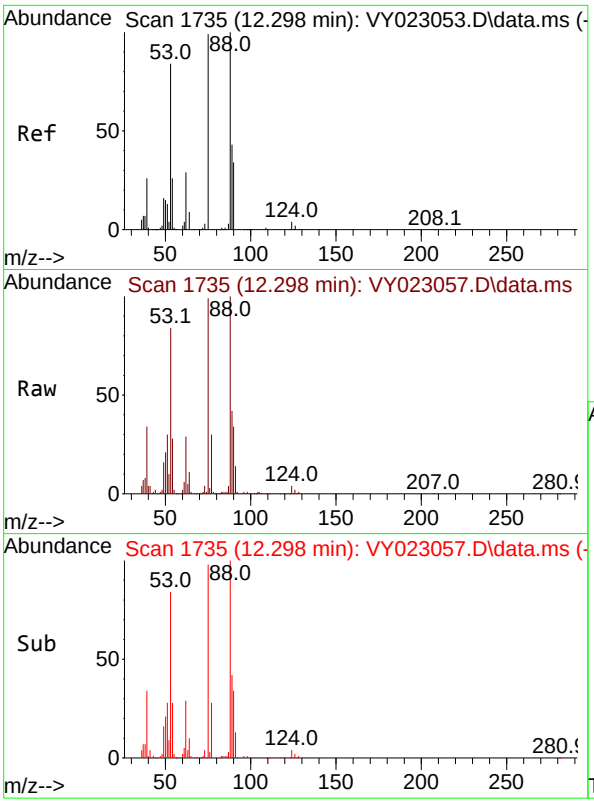


#80
1,3,5-Trimethylbenzene
Concen: 50.916 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:105 Resp: 1094902

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4

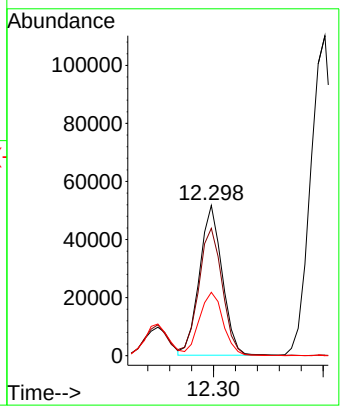




#81
trans-1,4-Dichloro-2-butene
Concen: 49.409 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 7426

Ion	Ratio	Lower	Upper
75	100		
53	89.2	70.8	106.2
89	44.3	38.1	57.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

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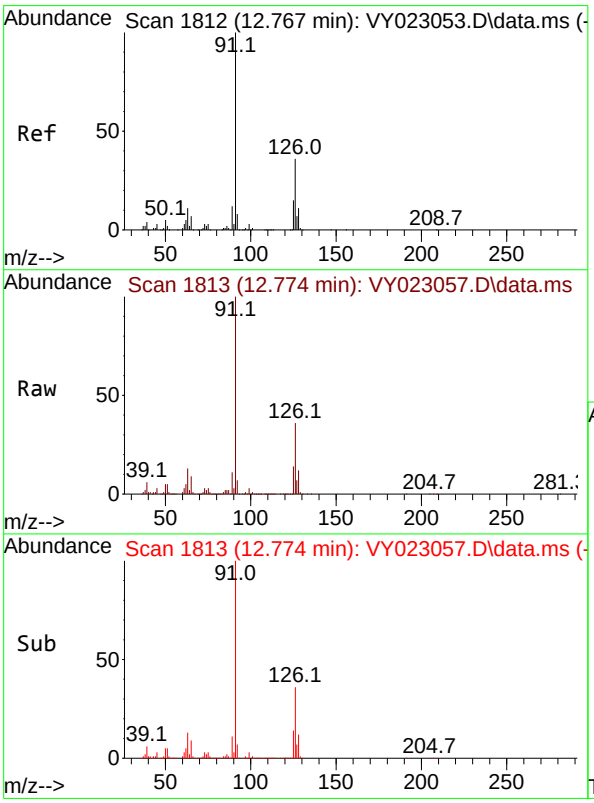
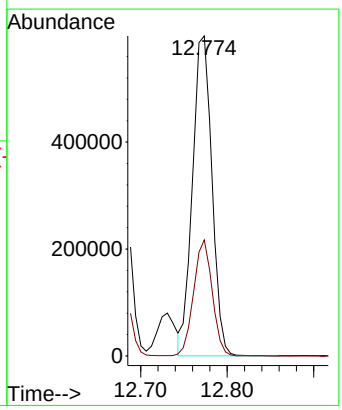
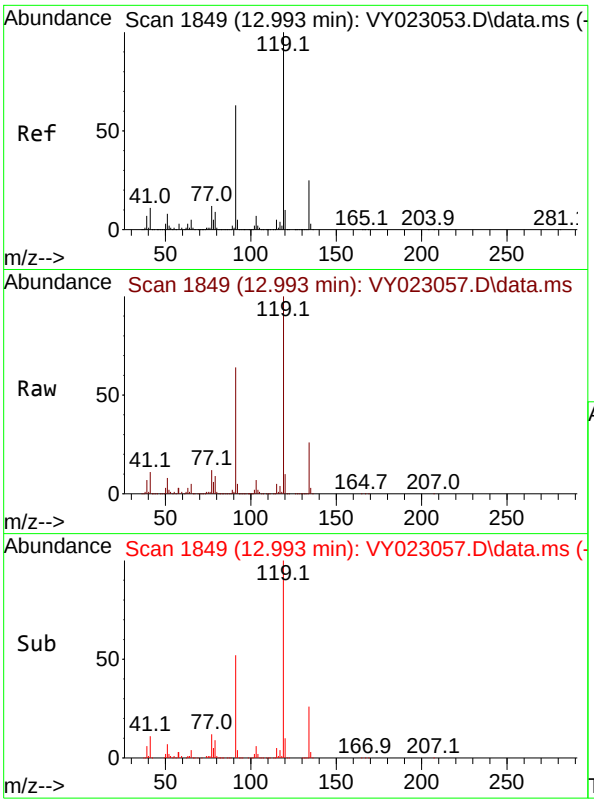


#82
4-Chlorotoluene
Concen: 49.505 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 932114

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0

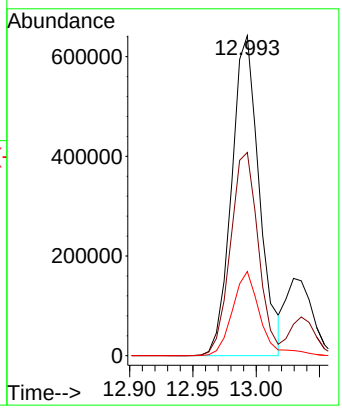




#83
tert-Butylbenzene
Concen: 50.443 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:119 Resp: 97969

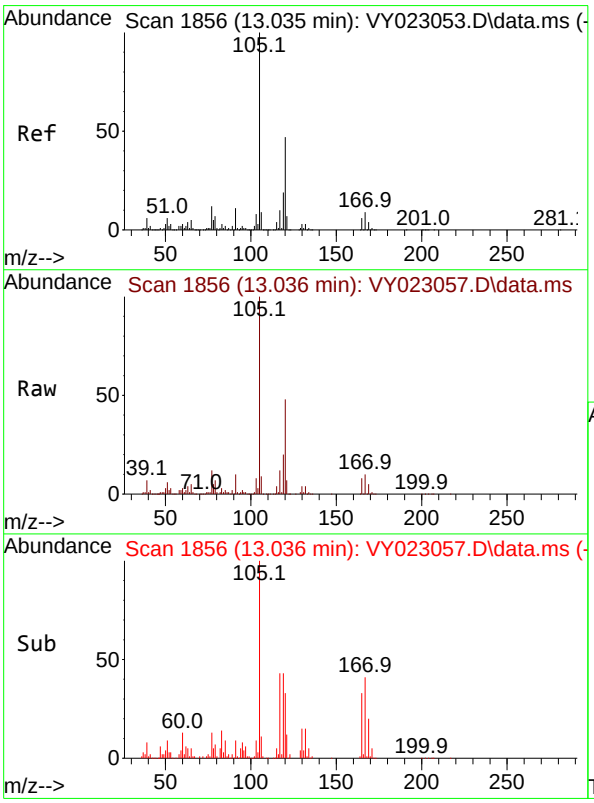
Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	94.8
134	26.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

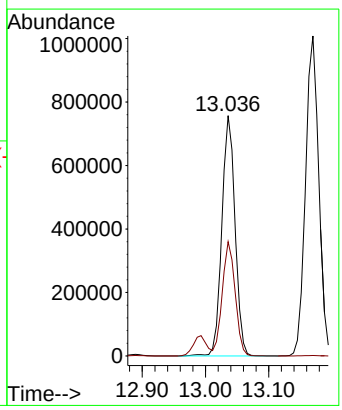
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

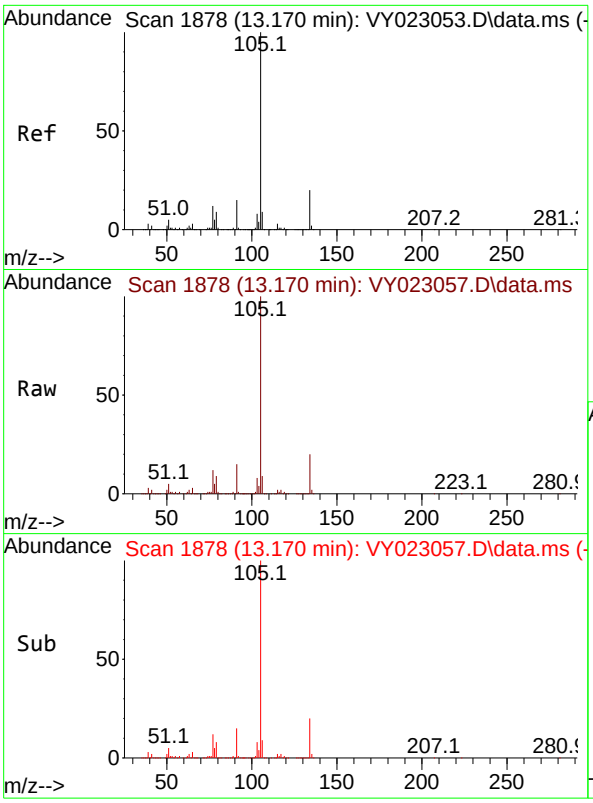


#84
1,2,4-Trimethylbenzene
Concen: 51.042 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:105 Resp: 1092616

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0

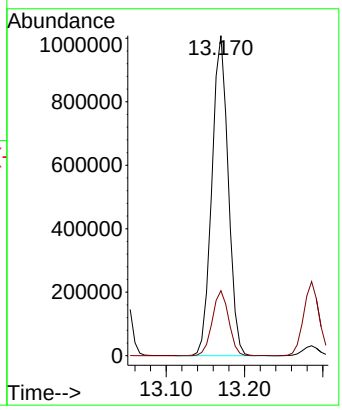




#85
sec-Butylbenzene
Concen: 51.154 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:105 Resp: 145943

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations
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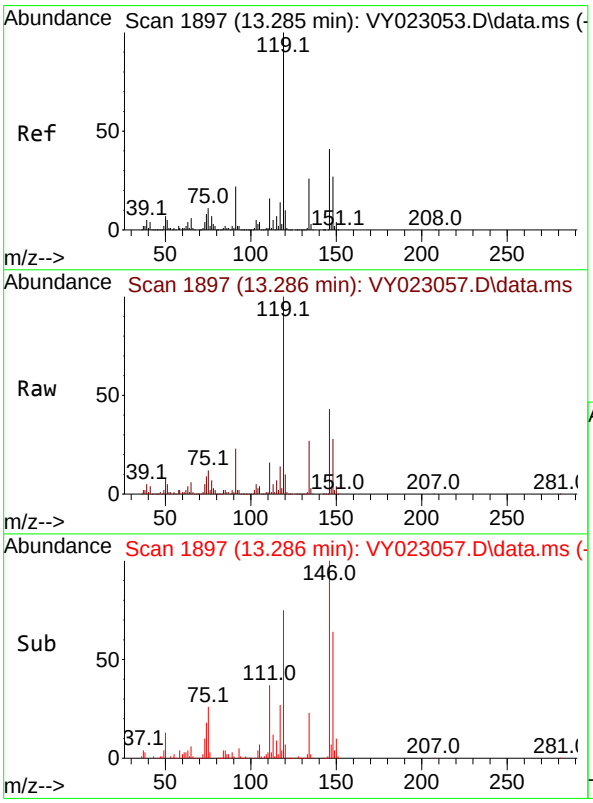
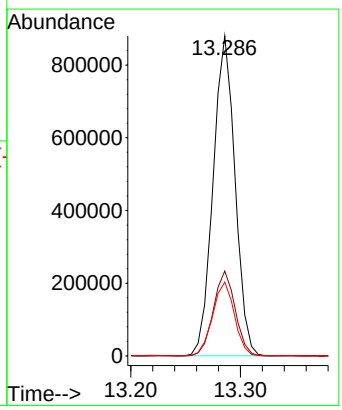
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

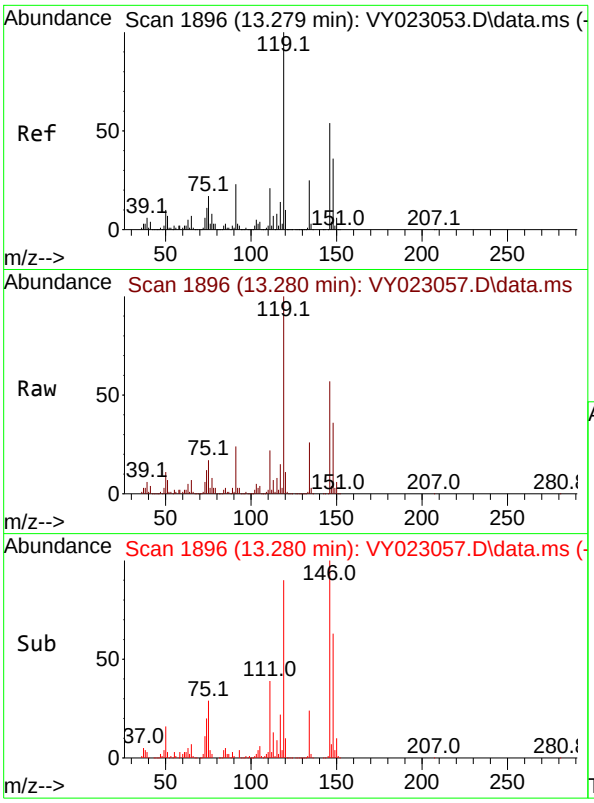


#86
p-Isopropyltoluene
Concen: 51.639 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:119 Resp: 1222900

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	22.9	11.3	33.8

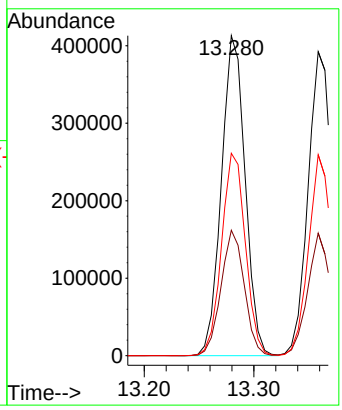




#87
1,3-Dichlorobenzene
Concen: 49.639 ug/l
RT: 13.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:146 Resp: 62137

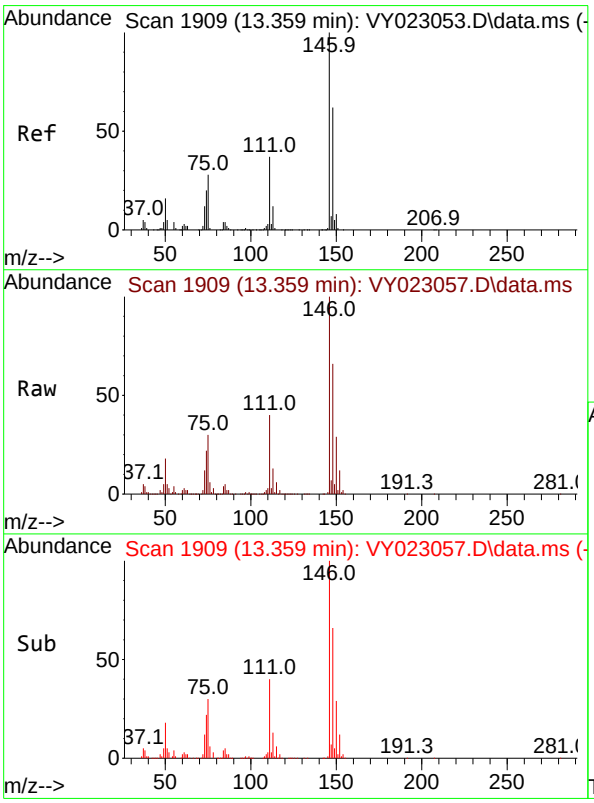
Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	63.5	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

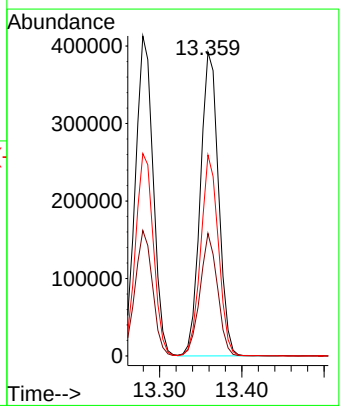
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

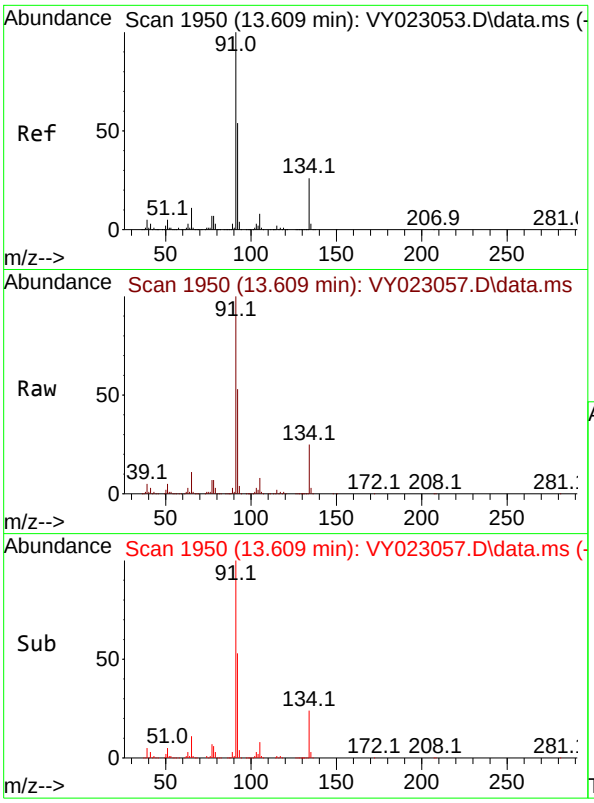


#88
1,4-Dichlorobenzene
Concen: 48.514 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:146 Resp: 602429

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.1	31.6	94.7

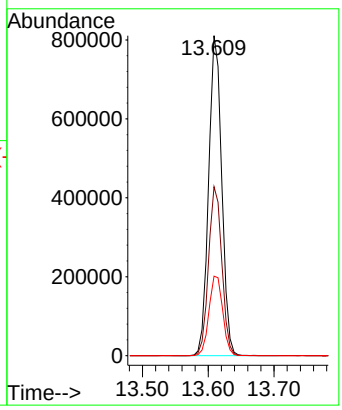




#89
n-Butylbenzene
Concen: 51.594 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 112218

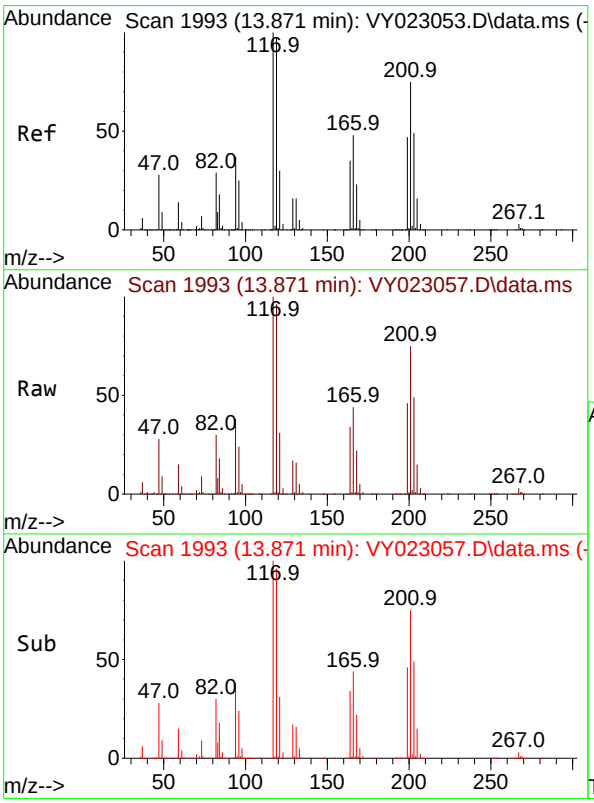
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	26.2	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations
APPROVED

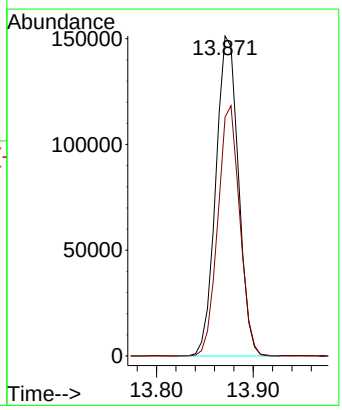
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

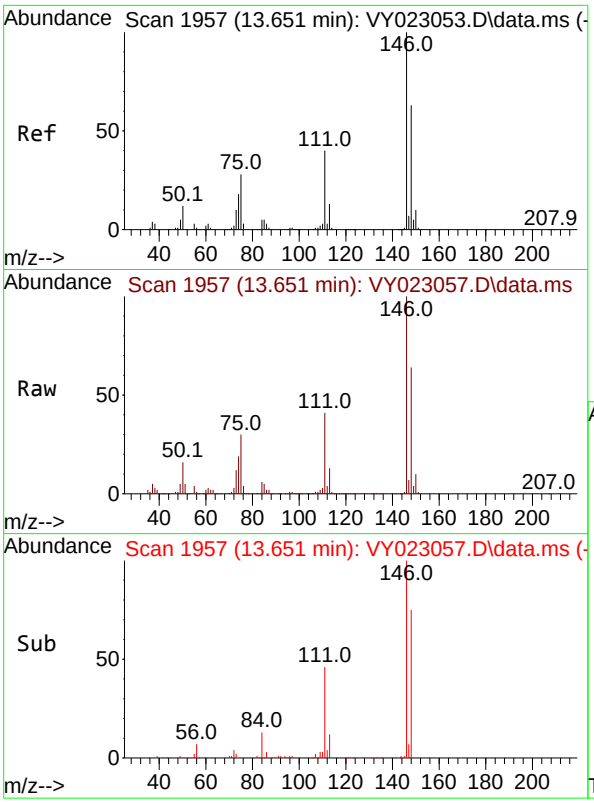


#90
Hexachloroethane
Concen: 50.617 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:117 Resp: 245386

Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.4	115.1

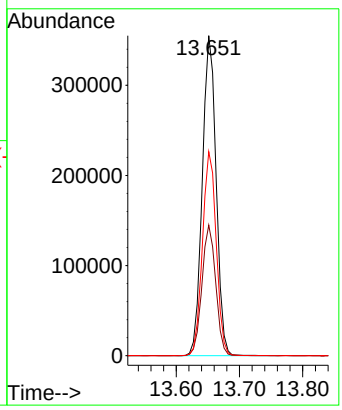




#91
1,2-Dichlorobenzene
Concen: 49.234 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:146 Resp: 54050

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.5	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations
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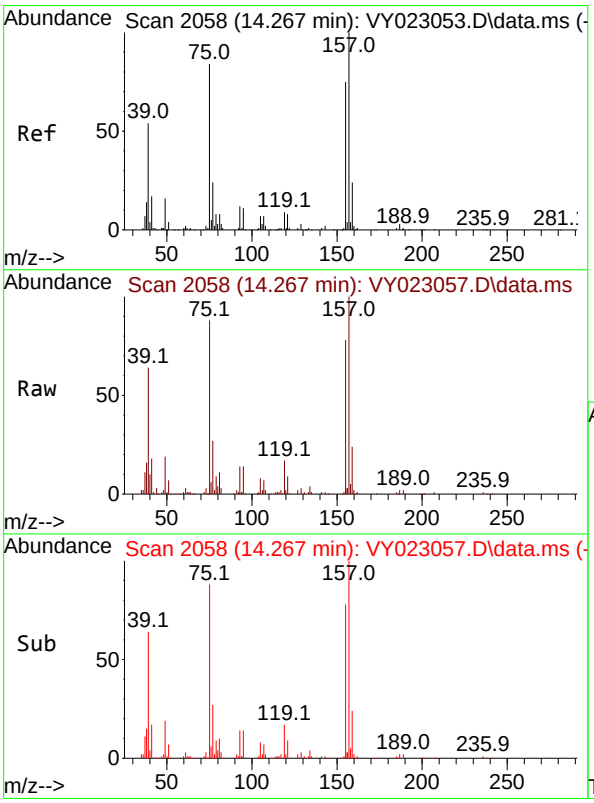
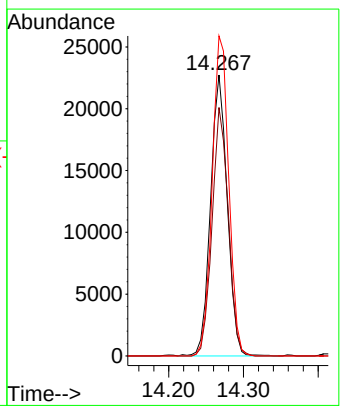
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

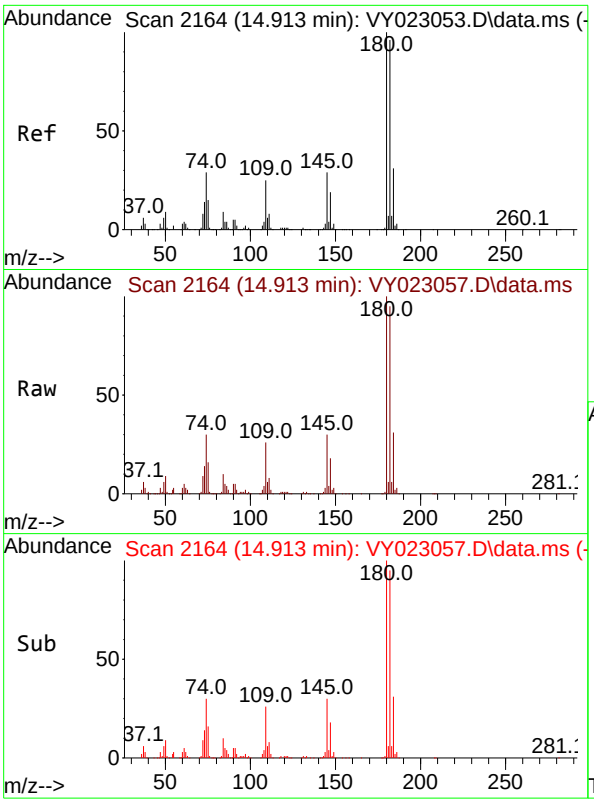


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.085 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 35428

Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.9	131.6
157	112.9	57.2	171.6

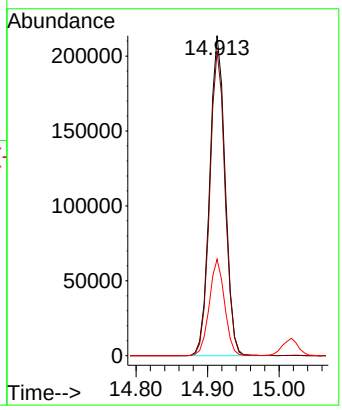




#93
1,2,4-Trichlorobenzene
Concen: 49.363 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:180 Resp: 32047

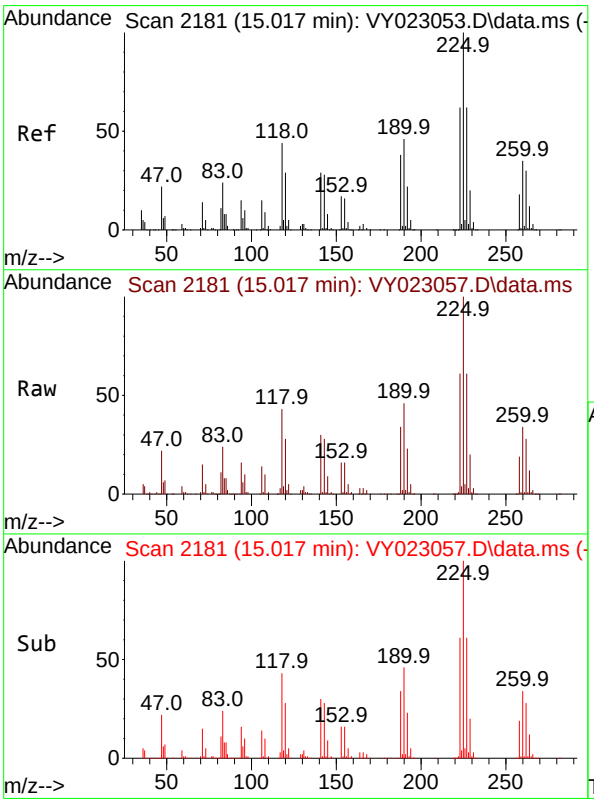
Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.4
145	29.8	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations APPROVED

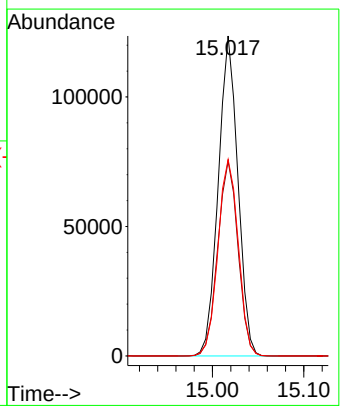
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

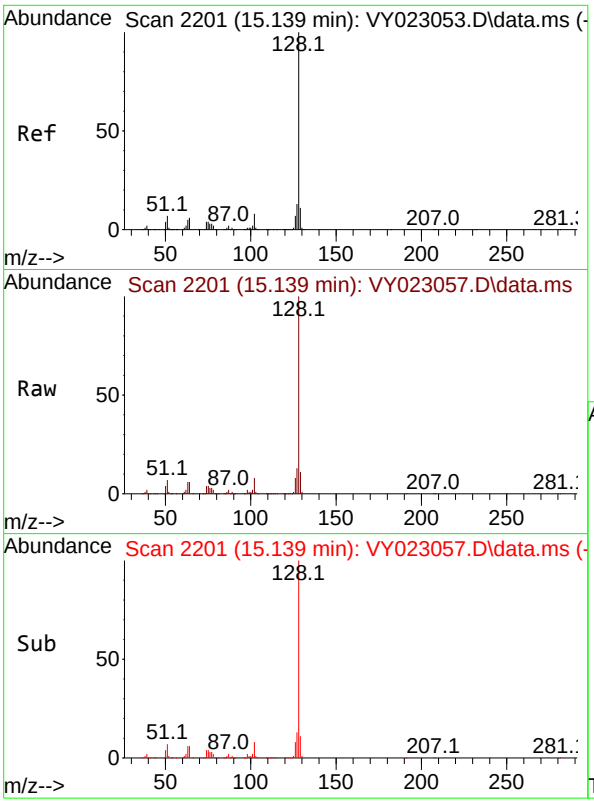


#94
Hexachlorobutadiene
Concen: 48.344 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:225 Resp: 184430

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	63.8	31.5	94.5

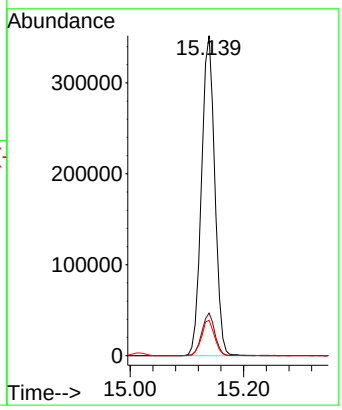




#95
Naphthalene
Concen: 51.623 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:128 Resp: 5714

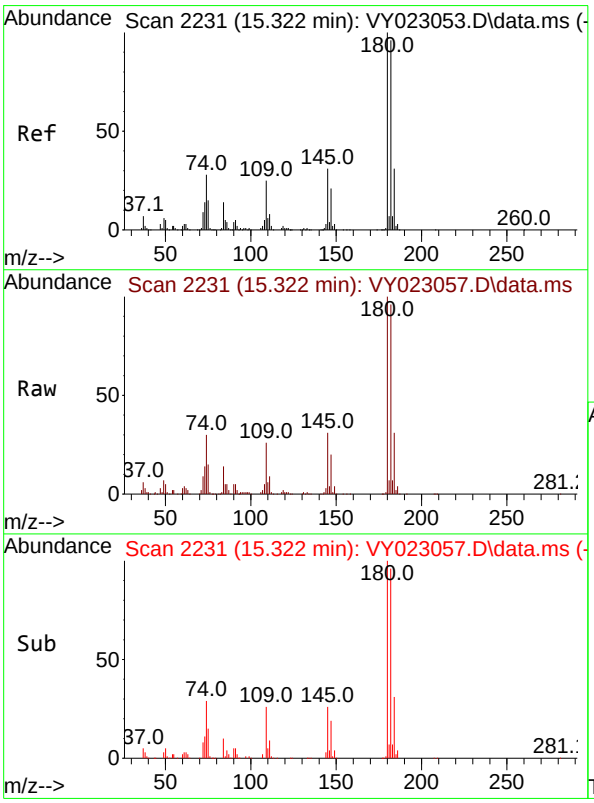
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations
APPROVED

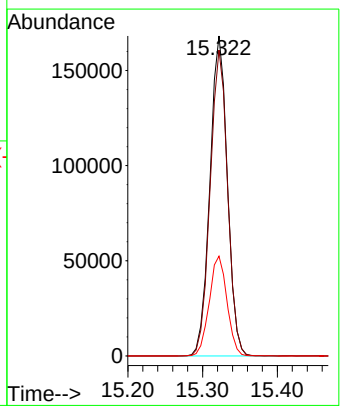
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.735 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:180 Resp: 272638

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	31.7	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.408	0.339	16.9	96	0.00
3	P	Chloromethane	0.661	0.644	2.6	104	0.00
4	C	Vinyl Chloride	0.817	0.788	3.5#	100	0.00
5	T	Bromomethane	0.610	0.573	6.1	104	0.00
6	T	Chloroethane	0.543	0.532	2.0	101	0.00
7	T	Trichlorofluoromethane	0.994	0.934	6.0	98	0.00
8	T	Diethyl Ether	0.263	0.251	4.6	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.468	4.5	99	0.00
10	T	Methyl Iodide	0.529	0.543	-2.6	97	0.00
11	T	Tert butyl alcohol	0.033	0.032	3.0	99	0.00
12	CM	1,1-Dichloroethene	0.482	0.460	4.6#	97	0.00
13	T	Acrolein	0.048	0.042	12.5	93	0.00
14	T	Allyl chloride	0.709	0.671	5.4	96	0.00
15	T	Acrylonitrile	0.107	0.104	2.8	96	0.00
16	T	Acetone	0.103	0.087	15.5	83	0.00
17	T	Carbon Disulfide	1.571	1.475	6.1	97	0.00
18	T	Methyl Acetate	0.307	0.319	-3.9	97	0.00
19	T	Methyl tert-butyl Ether	1.249	1.246	0.2	99	0.00
20	T	Methylene Chloride	0.620	0.536	13.5	103	0.00
21	T	trans-1,2-Dichloroethene	0.541	0.528	2.4	99	0.00
22	T	Diisopropyl ether	1.541	1.541	0.0	100	0.00
23	T	Vinyl Acetate	0.852	0.826	3.1	96	0.00
24	P	1,1-Dichloroethane	0.942	0.915	2.9	98	0.00
25	T	2-Butanone	0.140	0.129	7.9	89	0.00
26	T	2,2-Dichloropropane	0.813	0.739	9.1	92	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.610	2.6	99	0.00
28	T	Bromochloromethane	0.374	0.376	-0.5	101	0.00
29	T	Tetrahydrofuran	0.087	0.086	1.1	97	0.00
30	C	Chloroform	0.971	0.941	3.1#	98	0.00
31	T	Cyclohexane	0.888	0.826	7.0	99	0.00
32	T	1,1,1-Trichloroethane	0.862	0.844	2.1	99	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.477	0.0	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.299	0.300	-0.3	102	0.00
36	T	1,1-Dichloropropene	0.445	0.429	3.6	98	0.00
37	T	Ethyl Acetate	0.187	0.185	1.1	98	0.00
38	T	Carbon Tetrachloride	0.483	0.464	3.9	99	0.00
39	T	Methylcyclohexane	0.586	0.581	0.9	102	0.00
40	TM	Benzene	1.370	1.327	3.1	99	0.00
41	T	Methacrylonitrile	0.108	0.104	3.7	94	0.00
42	TM	1,2-Dichloroethane	0.356	0.343	3.7	98	0.00
43	T	Isopropyl Acetate	0.378	0.371	1.9	99	0.00
44	TM	Trichloroethene	0.354	0.339	4.2	98	0.00
45	C	1,2-Dichloropropane	0.315	0.309	1.9#	99	0.00
46	T	Dibromomethane	0.181	0.176	2.8	98	0.00
47	T	Bromodichloromethane	0.466	0.461	1.1	99	0.00
48	T	Methyl methacrylate	0.181	0.183	-1.1	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	97	0.00
50	S	Toluene-d8	1.169	1.153	1.4	100	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.194	0.5	97	0.00
52	CM	Toluene	0.870	0.852	2.1#	99	0.00
53	T	t-1,3-Dichloropropene	0.422	0.419	0.7	99	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.488	2.2	98	0.00
55	T	1,1,2-Trichloroethane	0.242	0.237	2.1	98	0.00
56	T	Ethyl methacrylate	0.310	0.315	-1.6	98	0.00
57	T	1,3-Dichloropropane	0.411	0.404	1.7	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.160	-9.6	102	0.00
59	T	2-Hexanone	0.133	0.130	2.3	94	0.00
60	T	Dibromochloromethane	0.320	0.318	0.6	99	0.00
61	T	1,2-Dibromoethane	0.228	0.224	1.8	98	0.00
62	S	4-Bromofluorobenzene	0.376	0.387	-2.9	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.446	0.406	9.0	94	0.00
65	PM	Chlorobenzene	1.079	1.041	3.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.357	2.5	99	0.00
67	C	Ethyl Benzene	1.856	1.825	1.7#	99	0.00
68	T	m/p-Xylenes	0.725	0.714	1.5	100	0.00
69	T	o-Xylene	0.679	0.674	0.7	99	0.00
70	T	Styrene	1.110	1.127	-1.5	101	0.00
71	P	Bromoform	0.214	0.208	2.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.529	3.520	0.3	100	0.00
74	T	N-amyl acetate	0.748	0.756	-1.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.595	1.3	102	0.00
76	T	1,2,3-Trichloropropane	0.483	0.445	7.9	83	0.00
77	T	Bromobenzene	0.842	0.825	2.0	99	0.00
78	T	n-propylbenzene	4.201	4.273	-1.7	101	0.00
79	T	2-Chlorotoluene	2.407	2.402	0.2	101	0.00
80	T	1,3,5-Trimethylbenzene	2.852	2.904	-1.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.197	1.0	100	0.00
82	T	4-Chlorotoluene	2.497	2.473	1.0	100	0.00
83	T	tert-Butylbenzene	2.576	2.599	-0.9	100	0.00
84	T	1,2,4-Trimethylbenzene	2.839	2.898	-2.1	102	0.00
85	T	sec-Butylbenzene	3.784	3.871	-2.3	102	0.00
86	T	p-Isopropyltoluene	3.141	3.244	-3.3	102	0.00
87	T	1,3-Dichlorobenzene	1.660	1.648	0.7	102	0.00
88	T	1,4-Dichlorobenzene	1.647	1.598	3.0	100	0.00
89	T	n-Butylbenzene	2.885	2.977	-3.2	102	0.00
90	T	Hexachloroethane	0.643	0.651	-1.2	103	0.00
91	T	1,2-Dichlorobenzene	1.456	1.434	1.5	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.094	0.0	99	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.850	1.3	100	0.00
94	T	Hexachlorobutadiene	0.506	0.489	3.4	99	0.00
95	T	Naphthalene	1.468	1.516	-3.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.723	2.6	100	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\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	41.579	16.8	96	0.00
3	P	Chloromethane	50.000	48.732	2.5	104	0.00
4	C	Vinyl Chloride	50.000	48.198	3.6#	100	0.00
5	T	Bromomethane	50.000	46.983	6.0	104	0.00
6	T	Chloroethane	50.000	48.923	2.2	101	0.00
7	T	Trichlorofluoromethane	50.000	47.003	6.0	98	0.00
8	T	Diethyl Ether	50.000	47.787	4.4	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.725	4.5	99	0.00
10	T	Methyl Iodide	50.000	51.340	-2.7	97	0.00
11	T	Tert butyl alcohol	250.000	245.940	1.6	99	0.00
12	CM	1,1-Dichloroethene	50.000	47.686	4.6#	97	0.00
13	T	Acrolein	250.000	222.008	11.2	93	0.00
14	T	Allyl chloride	50.000	47.317	5.4	96	0.00
15	T	Acrylonitrile	250.000	242.779	2.9	96	0.00
16	T	Acetone	250.000	210.695	15.7	83	0.00
17	T	Carbon Disulfide	50.000	46.948	6.1	97	0.00
18	T	Methyl Acetate	50.000	51.972	-3.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	49.899	0.2	99	0.00
20	T	Methylene Chloride	50.000	49.960	0.1	103	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.765	2.5	99	0.00
22	T	Diisopropyl ether	50.000	50.011	-0.0	100	0.00
23	T	Vinyl Acetate	250.000	242.360	3.1	96	0.00
24	P	1,1-Dichloroethane	50.000	48.551	2.9	98	0.00
25	T	2-Butanone	250.000	230.028	8.0	89	0.00
26	T	2,2-Dichloropropane	50.000	45.475	9.0	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.720	2.6	99	0.00
28	T	Bromochloromethane	50.000	50.275	-0.5	101	0.00
29	T	Tetrahydrofuran	250.000	247.420	1.0	97	0.00
30	C	Chloroform	50.000	48.450	3.1#	98	0.00
31	T	Cyclohexane	50.000	46.526	6.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	48.933	2.1	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.038	-0.1	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.179	-0.4	102	0.00
36	T	1,1-Dichloropropene	50.000	48.193	3.6	98	0.00
37	T	Ethyl Acetate	50.000	49.621	0.8	98	0.00
38	T	Carbon Tetrachloride	50.000	48.030	3.9	99	0.00
39	T	Methylcyclohexane	50.000	49.625	0.8	102	0.00
40	TM	Benzene	50.000	48.428	3.1	99	0.00
41	T	Methacrylonitrile	50.000	48.269	3.5	94	0.00
42	TM	1,2-Dichloroethane	50.000	48.162	3.7	98	0.00
43	T	Isopropyl Acetate	50.000	49.094	1.8	99	0.00
44	TM	Trichloroethene	50.000	47.803	4.4	98	0.00
45	C	1,2-Dichloropropane	50.000	48.961	2.1#	99	0.00
46	T	Dibromomethane	50.000	48.679	2.6	98	0.00
47	T	Bromodichloromethane	50.000	49.463	1.1	99	0.00
48	T	Methyl methacrylate	50.000	50.520	-1.0	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	971.749	2.8	97	0.00
50	S	Toluene-d8	50.000	49.306	1.4	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.943	0.4	97	0.00
52	CM	Toluene	50.000	48.963	2.1#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	49.699	0.6	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.965	2.1	98	0.00
55	T	1,1,2-Trichloroethane	50.000	48.867	2.3	98	0.00
56	T	Ethyl methacrylate	50.000	50.779	-1.6	98	0.00
57	T	1,3-Dichloropropane	50.000	49.228	1.5	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.240	-9.3	102	0.00
59	T	2-Hexanone	250.000	244.812	2.1	94	0.00
60	T	Dibromochloromethane	50.000	49.810	0.4	99	0.00
61	T	1,2-Dibromoethane	50.000	49.197	1.6	98	0.00
62	S	4-Bromofluorobenzene	50.000	51.500	-3.0	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	45.512	9.0	94	0.00
65	PM	Chlorobenzene	50.000	48.275	3.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.815	2.4	99	0.00
67	C	Ethyl Benzene	50.000	49.163	1.7#	99	0.00
68	T	m/p-Xylenes	100.000	98.515	1.5	100	0.00
69	T	o-Xylene	50.000	49.645	0.7	99	0.00
70	T	Styrene	50.000	50.733	-1.5	101	0.00
71	P	Bromoform	50.000	48.525	3.0	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	49.876	0.2	100	0.00
74	T	N-amyl acetate	50.000	50.529	-1.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.350	1.3	102	0.00
76	T	1,2,3-Trichloropropane	50.000	46.136	7.7	83	0.00
77	T	Bromobenzene	50.000	49.004	2.0	99	0.00
78	T	n-propylbenzene	50.000	50.853	-1.7	101	0.00
79	T	2-Chlorotoluene	50.000	49.898	0.2	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.916	-1.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.409	1.2	100	0.00
82	T	4-Chlorotoluene	50.000	49.505	1.0	100	0.00
83	T	tert-Butylbenzene	50.000	50.443	-0.9	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.042	-2.1	102	0.00
85	T	sec-Butylbenzene	50.000	51.154	-2.3	102	0.00
86	T	p-Isopropyltoluene	50.000	51.639	-3.3	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.639	0.7	102	0.00
88	T	1,4-Dichlorobenzene	50.000	48.514	3.0	100	0.00
89	T	n-Butylbenzene	50.000	51.594	-3.2	102	0.00
90	T	Hexachloroethane	50.000	50.617	-1.2	103	0.00
91	T	1,2-Dichlorobenzene	50.000	49.234	1.5	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.085	-0.2	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.363	1.3	100	0.00
94	T	Hexachlorobutadiene	50.000	48.344	3.3	99	0.00
95	T	Naphthalene	50.000	51.623	-3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	48.735	2.5	100	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: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2879
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/19/2025 09:11
Lab File ID: VY023137.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.339		-16.91	20
Chloromethane	0.661	0.565	0.1	-14.52	20
Vinyl Chloride	0.817	0.743		-9.06	20
Bromomethane	0.610	0.580		-4.92	20
Chloroethane	0.543	0.507		-6.63	20
Tetrahydrofuran	0.087	0.079		-9.19	20
Trichlorofluoromethane	0.994	0.908		-8.65	20
1,1,2-Trichlorotrifluoroethane	0.490	0.476		-2.86	20
1,1-Dichloroethene	0.482	0.477		-1.04	20
Acrylonitrile	0.107	0.100		-6.54	20
Acetone	0.103	0.113		9.71	20
Carbon Disulfide	1.571	1.449		-7.77	20
Methyl tert-butyl Ether	1.249	1.212		-2.96	20
Methylene Chloride	0.620	0.513		-17.26	20
trans-1,2-Dichloroethene	0.541	0.535		-1.11	20
1,1-Dichloroethane	0.942	0.908	0.1	-3.61	20
2-Butanone	0.140	0.137		-2.14	20
Carbon Tetrachloride	0.483	0.498		3.11	20
2,2-Dichloropropane	0.813	0.836		2.83	20
cis-1,2-Dichloroethene	0.626	0.626		0	20
Chloroform	0.971	0.958		-1.34	20
1,1,1-Trichloroethane	0.862	0.864		0.23	20
1,1-Dichloropropene	0.445	0.452		1.57	20
Benzene	1.370	1.381		0.8	20
1,2-Dichloroethane	0.356	0.342		-3.93	20
Trichloroethene	0.354	0.365		3.11	20
1,2-Dichloropropane	0.315	0.316		0.32	20
Dibromomethane	0.181	0.180		-0.55	20
Bromodichloromethane	0.466	0.464		-0.43	20
4-Methyl-2-Pentanone	0.195	0.188		-3.59	20
Toluene	0.870	0.899		3.33	20
t-1,3-Dichloropropene	0.422	0.431		2.13	20
cis-1,3-Dichloropropene	0.499	0.504		1	20
1,1,2-Trichloroethane	0.242	0.243		0.41	20
1,3-Dichloropropane	0.411	0.405		-1.46	20
2-Hexanone	0.133	0.135		1.5	20
Dibromochloromethane	0.320	0.326		1.88	20
1,2-Dibromoethane	0.228	0.229		0.44	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: Alliance | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2879

Instrument ID: MSVOA_Y | Calibration Date/Time: 08/19/2025 09:11

Lab File ID: VY023137.D | Init. Calib. Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 14:54 16:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.446	0.450		0.9	20
Chlorobenzene	1.079	1.127	0.3	4.45	20
1,1,1,2-Tetrachloroethane	0.366	0.387		5.74	20
Ethyl Benzene	1.856	1.962		5.71	20
m/p-Xylenes	0.725	0.779		7.45	20
o-Xylene	0.679	0.732		7.81	20
Styrene	1.110	1.221		10	20
Bromoform	0.214	0.218	0.1	1.87	20
Isopropylbenzene	3.529	3.707		5.04	20
1,1,2,2-Tetrachloroethane	0.603	0.586	0.3	-2.82	20
1,2,3-Trichloropropane	0.483	0.421		-12.84	20
Bromobenzene	0.842	0.858		1.9	20
n-propylbenzene	4.201	4.437		5.62	20
2-Chlorotoluene	2.407	2.484		3.2	20
1,3,5-Trimethylbenzene	2.852	3.036		6.45	20
4-Chlorotoluene	2.497	2.549		2.08	20
tert-Butylbenzene	2.576	2.780		7.92	20
1,2,4-Trimethylbenzene	2.839	3.036		6.94	20
sec-Butylbenzene	3.784	4.062		7.35	20
p-Isopropyltoluene	3.141	3.459		10.12	20
1,3-Dichlorobenzene	1.660	1.734		4.46	20
1,4-Dichlorobenzene	1.647	1.689		2.55	20
n-Butylbenzene	2.885	3.138		8.77	20
1,2-Dichlorobenzene	1.456	1.499		2.95	20
1,2-Dibromo-3-Chloropropane	0.094	0.088		-6.38	20
1,2,4-Trichlorobenzene	0.861	0.881		2.32	20
Hexachlorobutadiene	0.506	0.515		1.78	20
1,2,3-Trichlorobenzene	0.742	0.735		-0.94	20
1,2-Dichloroethane-d4	0.477	0.431		-9.64	20
Dibromofluoromethane	0.299	0.292		-2.34	20
Toluene-d8	1.169	1.150		-1.63	20
4-Bromofluorobenzene	0.376	0.373		-0.8	20
trans-1,4-Dichloro-2-butene	0.199	0.198		-0.5	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\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	560294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	876189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	761785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	241668	45.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.520%			
35) Dibromofluoromethane	7.634	113	256133	48.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.700%			
50) Toluene-d8	10.109	98	1008048	49.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.401	95	326827	49.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	190057	41.557	ug/l	98
3) Chloromethane	2.074	50	316334	42.705	ug/l	99
4) Vinyl Chloride	2.208	62	416548	45.491	ug/l	100
5) Bromomethane	2.598	94	324698	47.481	ug/l	99
6) Chloroethane	2.739	64	284191	46.683	ug/l	100
7) Trichlorofluoromethane	3.056	101	508922	45.708	ug/l	100
8) Diethyl Ether	3.458	74	135802	46.102	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	266790	48.569	ug/l	99
10) Methyl Iodide	4.007	142	325506	54.916	ug/l	98
11) Tert butyl alcohol	4.866	59	79834	218.191	ug/l	99
12) 1,1-Dichloroethene	3.793	96	267212	49.491	ug/l	90
13) Acrolein	3.653	56	60662	113.207	ug/l	93
14) Allyl chloride	4.385	41	361978	45.563	ug/l	96
15) Acrylonitrile	5.061	53	279904	233.725	ug/l	99
16) Acetone	3.866	43	316768	273.812	ug/l	99
17) Carbon Disulfide	4.110	76	811887	46.117	ug/l	100
18) Methyl Acetate	4.385	43	147420	42.821	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	679197	48.545	ug/l	99
20) Methylene Chloride	4.616	84	287656	47.727	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	299764	49.404	ug/l	96
22) Diisopropyl ether	6.025	45	825090	47.793	ug/l	99
23) Vinyl Acetate	5.964	43	2298296	240.761	ug/l	100
24) 1,1-Dichloroethane	5.921	63	508733	48.199	ug/l	99
25) 2-Butanone	6.896	43	384462	244.351	ug/l	97
26) 2,2-Dichloropropane	6.890	77	468257	51.414	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	351019	50.042	ug/l	98
28) Bromochloromethane	7.244	49	186381	44.509	ug/l	95
29) Tetrahydrofuran	7.262	42	221133	226.737	ug/l	96
30) Chloroform	7.421	83	536519	49.287	ug/l	95
31) Cyclohexane	7.701	56	460210	46.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	483961	50.106	ug/l	100
36) 1,1-Dichloropropene	7.835	75	395952	50.818	ug/l	99
37) Ethyl Acetate	6.988	43	157126	48.006	ug/l	99
38) Carbon Tetrachloride	7.817	117	436510	51.581	ug/l	99
39) Methylcyclohexane	9.109	83	531826	51.832	ug/l	97
40) Benzene	8.079	78	1210380	50.401	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	88337m	46.765	ug/l		
42) 1,2-Dichloroethane	8.158	62	300070	48.044	ug/l		100
43) Isopropyl Acetate	8.201	43	308955	46.703	ug/l	#	84
44) Trichloroethene	8.866	130	319381	51.463	ug/l		100
45) 1,2-Dichloropropane	9.146	63	276520	50.044	ug/l		97
46) Dibromomethane	9.231	93	157422	49.637	ug/l		99
47) Bromodichloromethane	9.426	83	406246	49.781	ug/l		97
48) Methyl methacrylate	9.219	41	152020	48.023	ug/l		97
49) 1,4-Dioxane	9.231	88	34759	934.713	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	822061	240.906	ug/l		98
52) Toluene	10.170	92	788070	51.669	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	377708	51.112	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	441435	50.516	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	213063	50.206	ug/l		97
56) Ethyl methacrylate	10.438	69	276182	50.859	ug/l		99
57) 1,3-Dichloropropane	10.719	76	354628	49.273	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	622022	242.835	ug/l		97
59) 2-Hexanone	10.762	43	592202	254.865	ug/l		98
60) Dibromochloromethane	10.914	129	285374	50.963	ug/l		99
61) 1,2-Dibromoethane	11.018	107	201073	50.411	ug/l		100
64) Tetrachloroethene	10.646	164	342427	50.340	ug/l		98
65) Chlorobenzene	11.444	112	858367	52.238	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	295011	52.900	ug/l		99
67) Ethyl Benzene	11.517	91	1494465	52.850	ug/l		99
68) m/p-Xylenes	11.627	106	1186104	107.397	ug/l		98
69) o-Xylene	11.956	106	557951	53.940	ug/l		100
70) Styrene	11.969	104	930498	55.007	ug/l		98
71) Bromoform	12.133	173	166298	51.022	ug/l		99
73) Isopropylbenzene	12.255	105	1455261	52.528	ug/l		99
74) N-amyl acetate	12.072	43	285441	48.584	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	230085	48.639	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	165292m	43.632	ug/l		
77) Bromobenzene	12.529	156	336874	50.968	ug/l		97
78) n-propylbenzene	12.597	91	1741756	52.806	ug/l		99
79) 2-Chlorotoluene	12.676	91	975057	51.594	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1191826	53.229	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	77577	49.570	ug/l		98
82) 4-Chlorotoluene	12.773	91	1000547	51.036	ug/l		99
83) tert-Butylbenzene	12.993	119	1091125	53.956	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	1191535	53.459	ug/l		100
85) sec-Butylbenzene	13.176	105	1594423	53.673	ug/l		100
86) p-Isopropyltoluene	13.292	119	1357746	55.063	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	680781	52.231	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	663039	51.281	ug/l		99
89) n-Butylbenzene	13.615	91	1231645	54.384	ug/l		99
90) Hexachloroethane	13.877	117	264268	52.354	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	588570	51.489	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34676	47.081	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	345818	51.158	ug/l		99
94) Hexachlorobutadiene	15.023	225	202124	50.885	ug/l		99
95) Naphthalene	15.145	128	590257	51.208	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	288433	49.517	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

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\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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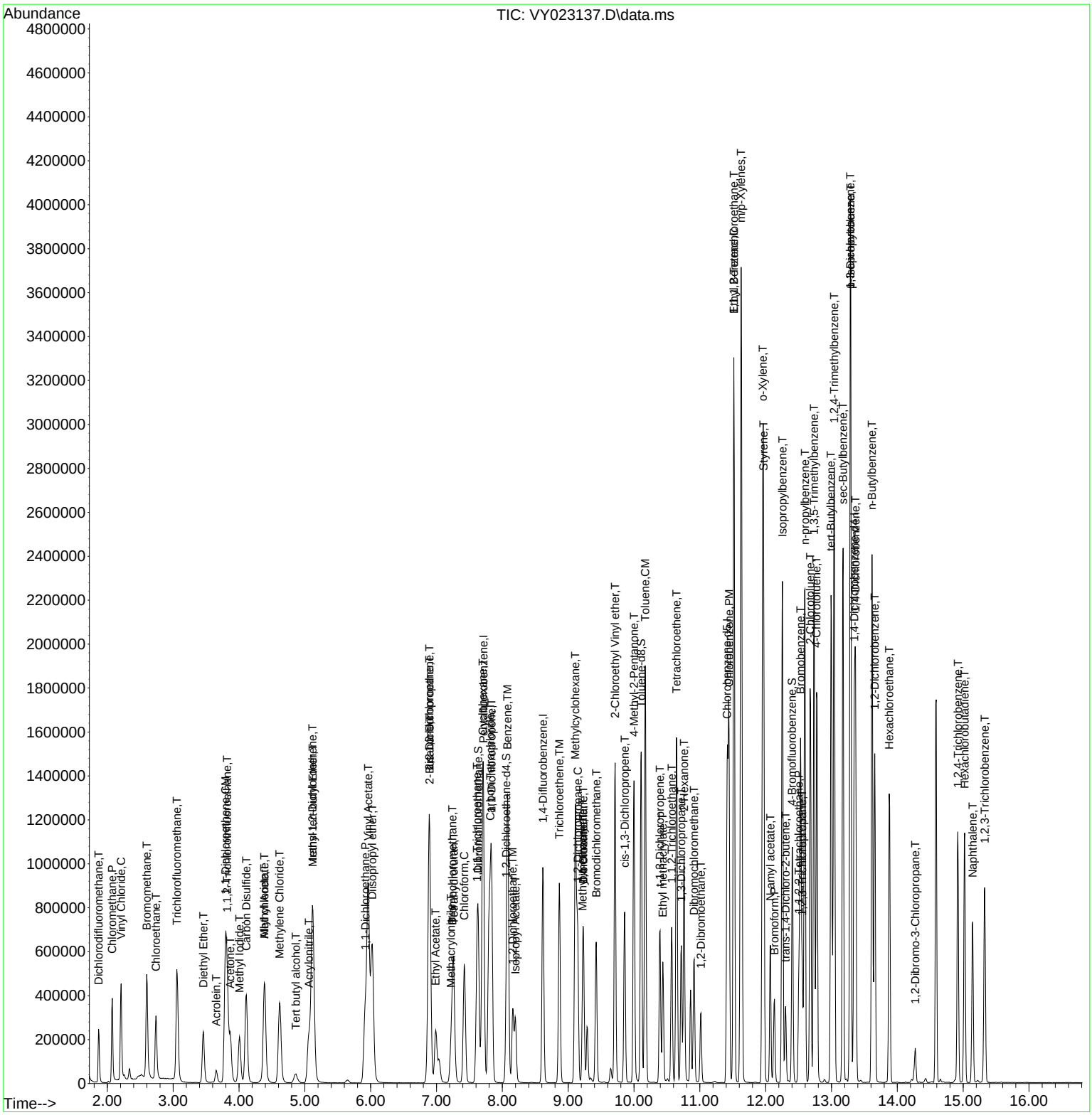
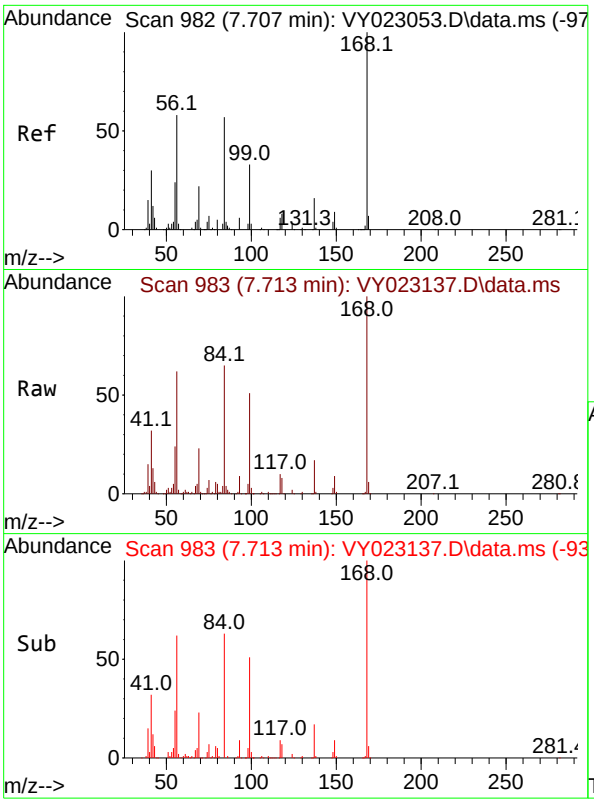
Supervised By :Mahesh Dadoda 08/20/2025

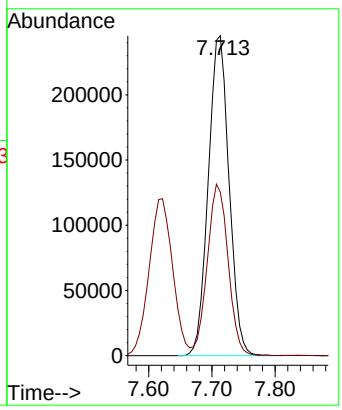




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:168 Resp: 56029

Ion	Ratio	Lower	Upper
168	100		
99	51.1	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
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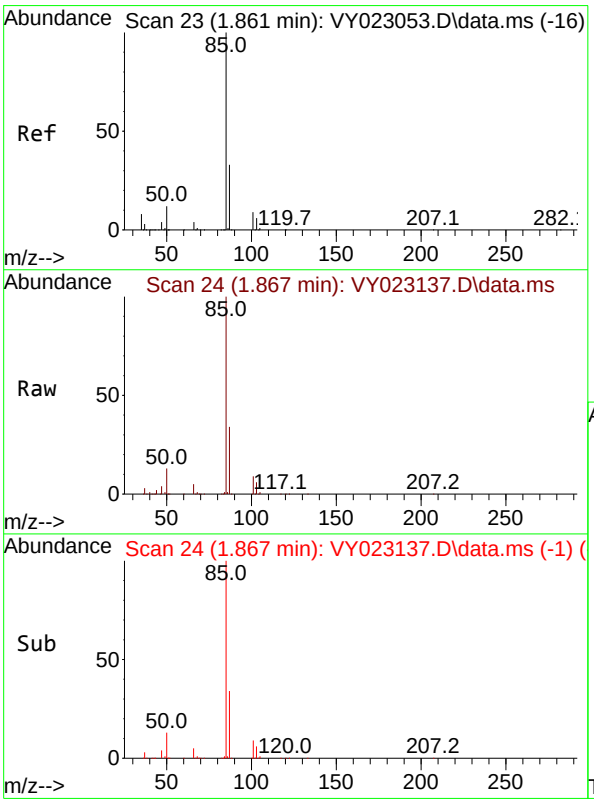
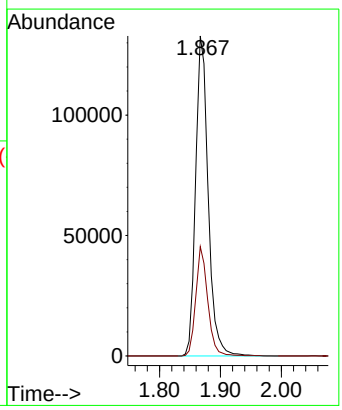
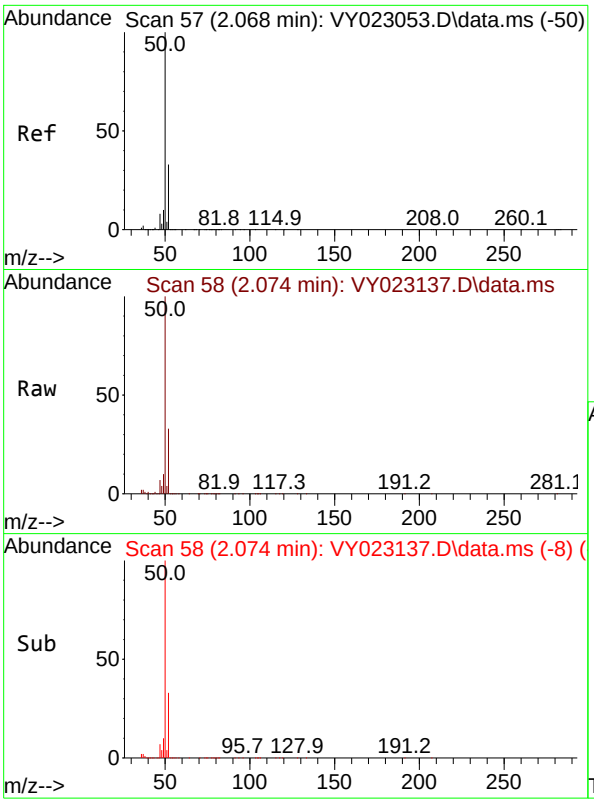


#2
Dichlorodifluoromethane
Concen: 41.557 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 85 Resp: 190057

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.6	49.8

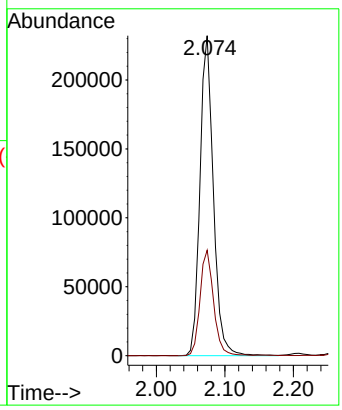




#3
Chloromethane
Concen: 42.705 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 50 Resp: 31633

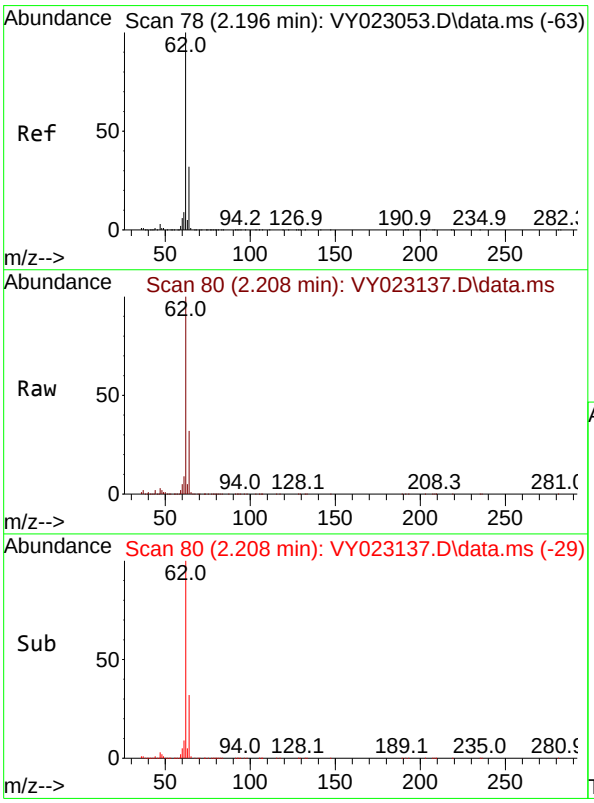
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

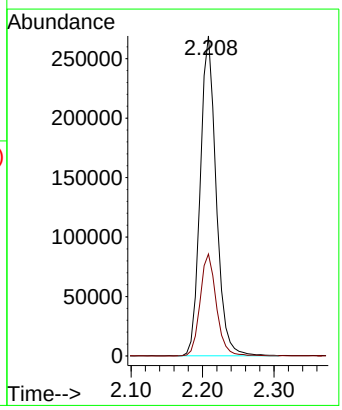
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

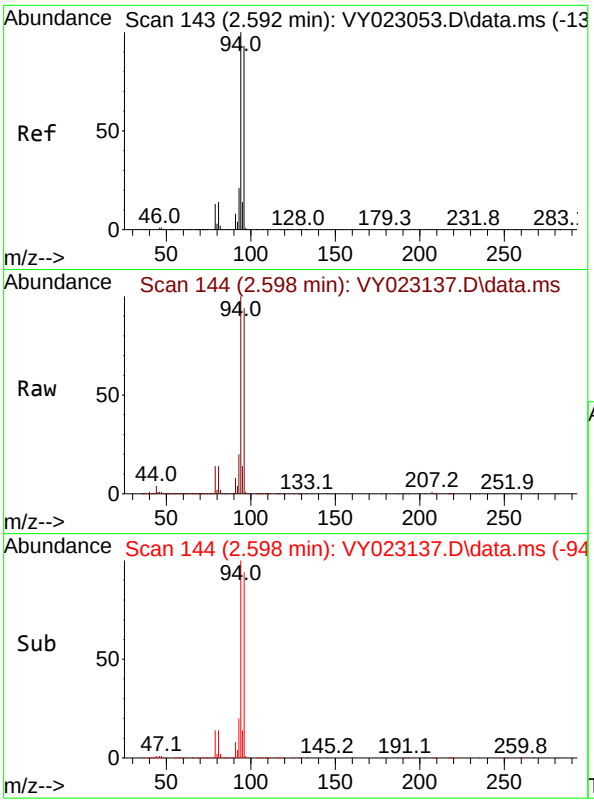


#4
Vinyl Chloride
Concen: 45.491 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 62 Resp: 416548

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0

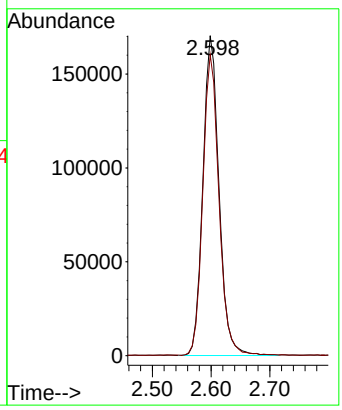




#5
Bromomethane
Concen: 47.481 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 94 Resp: 32469

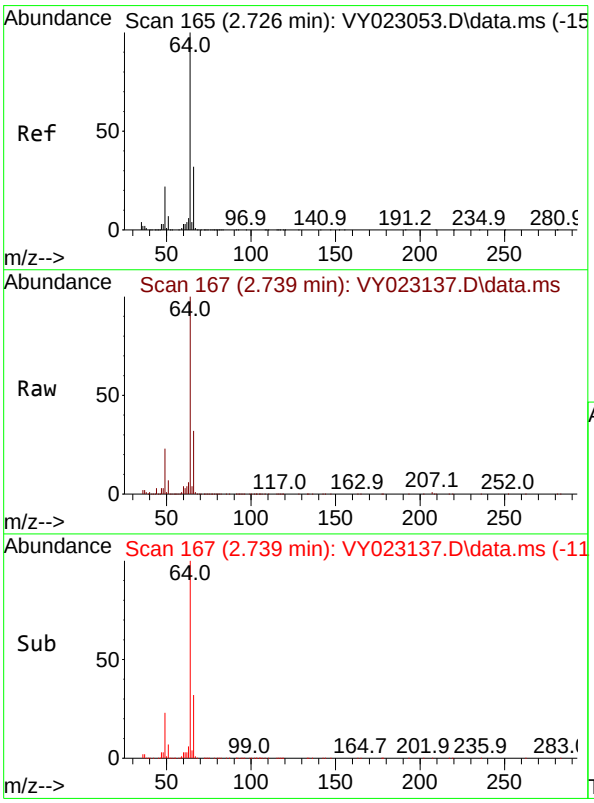
Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

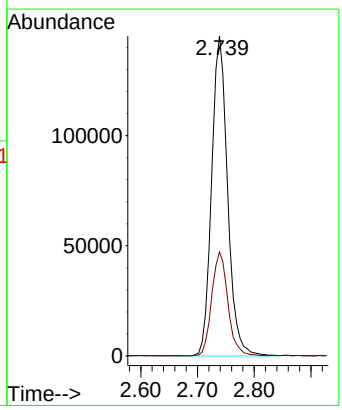
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

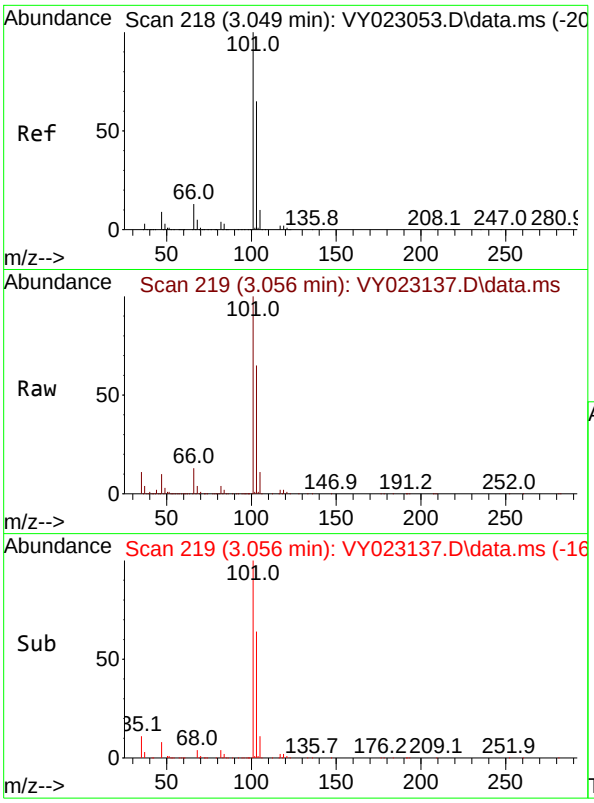


#6
Chloroethane
Concen: 46.683 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 64 Resp: 284191

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.8	38.6

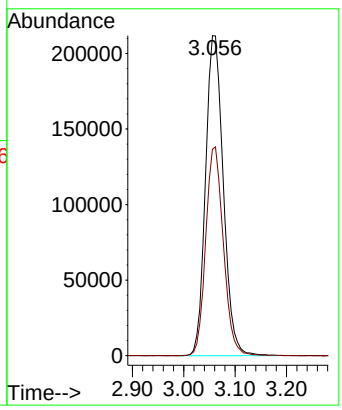




#7
Trichlorofluoromethane
Concen: 45.708 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:101 Resp: 50892

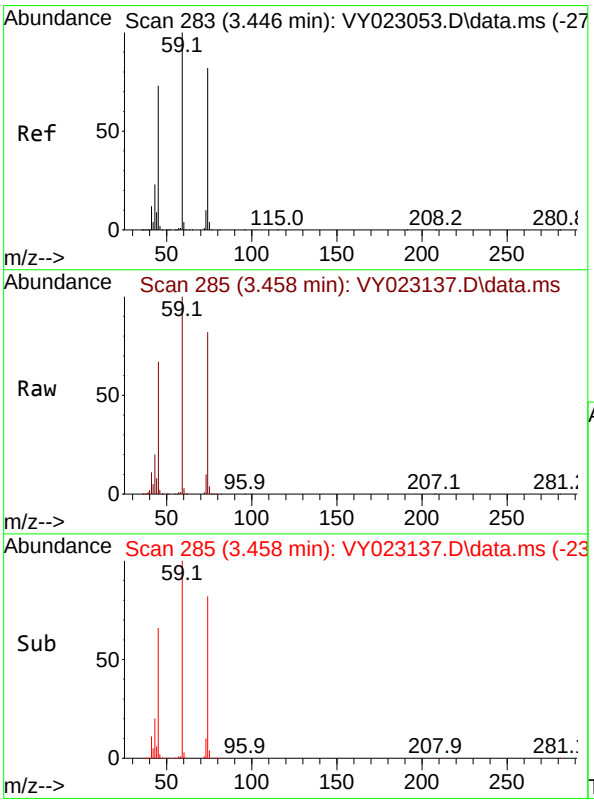
Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

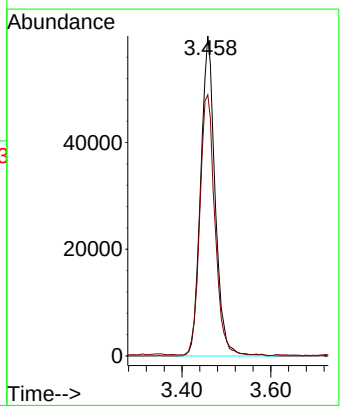
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

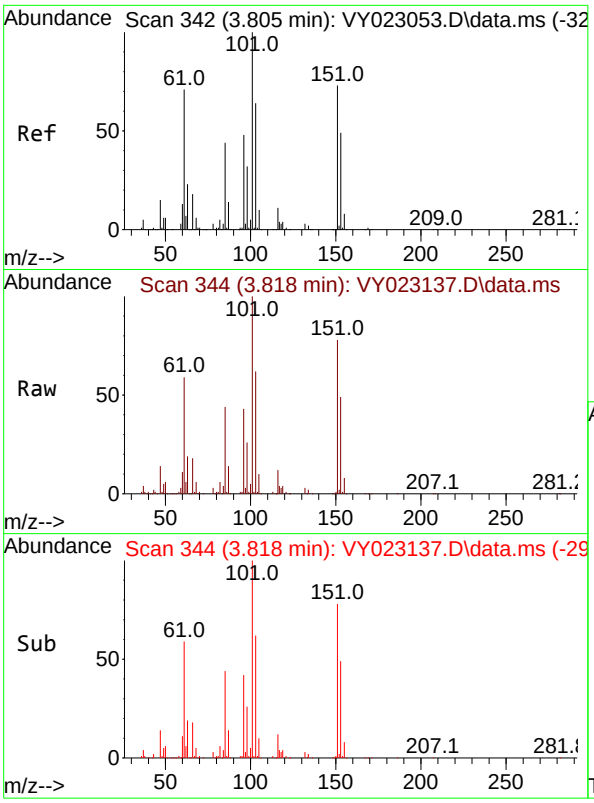


#8
Diethyl Ether
Concen: 46.102 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 74 Resp: 135802

Ion	Ratio	Lower	Upper
74	100		
45	84.4	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.569 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

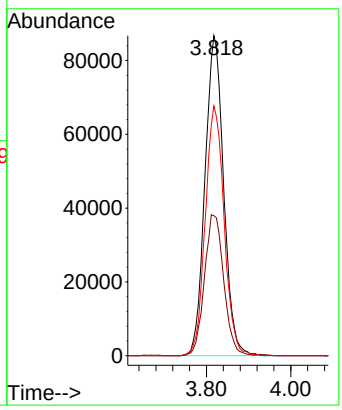
Tgt Ion:101 Resp: 26679

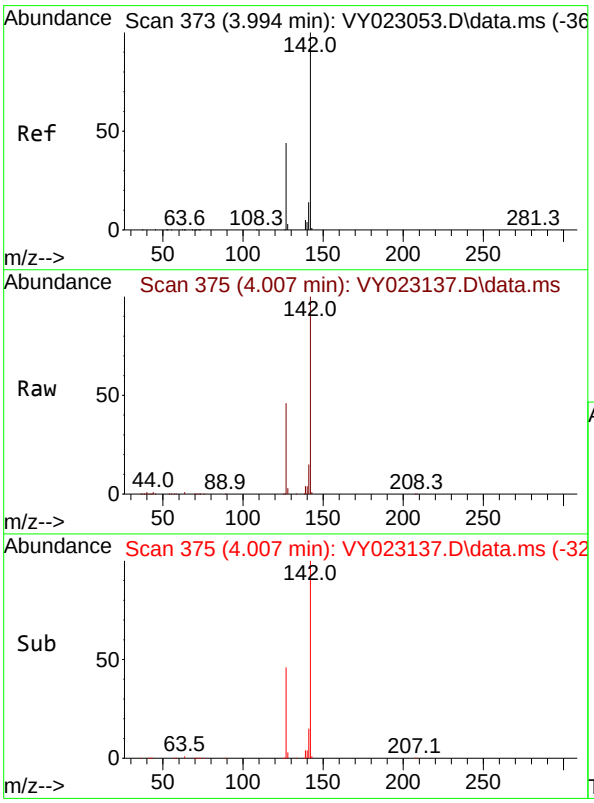
Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.3	54.5
151	78.8	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

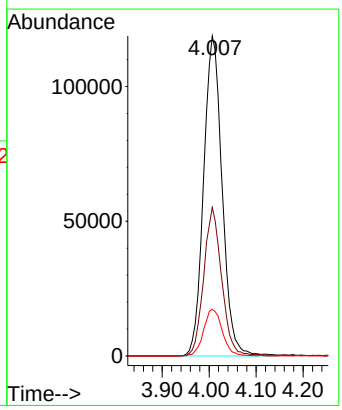


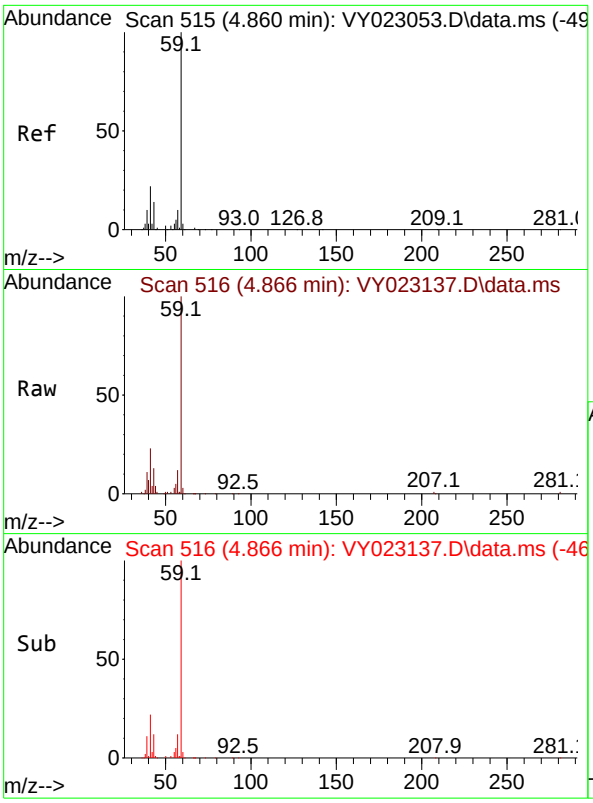


#10
Methyl Iodide
Concen: 54.916 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:142 Resp: 325506

Ion	Ratio	Lower	Upper
142	100		
127	44.6	34.9	52.3
141	14.7	11.3	16.9

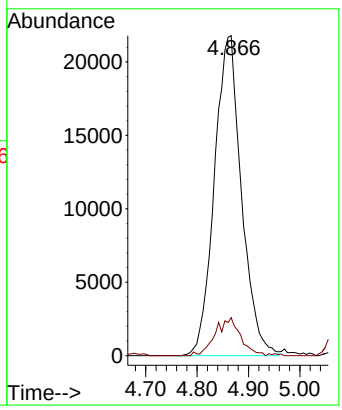




#11
Tert butyl alcohol
Concen: 218.191 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 59 Resp: 7983

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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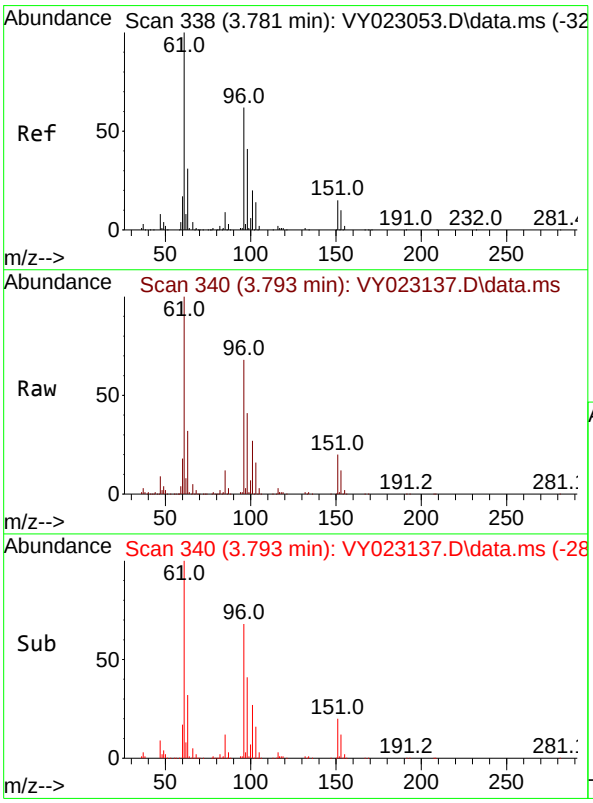
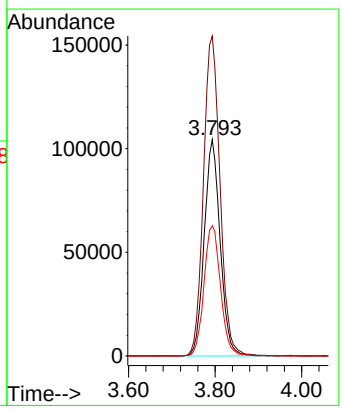
Supervised By :Mahesh Dadoda 08/20/2025

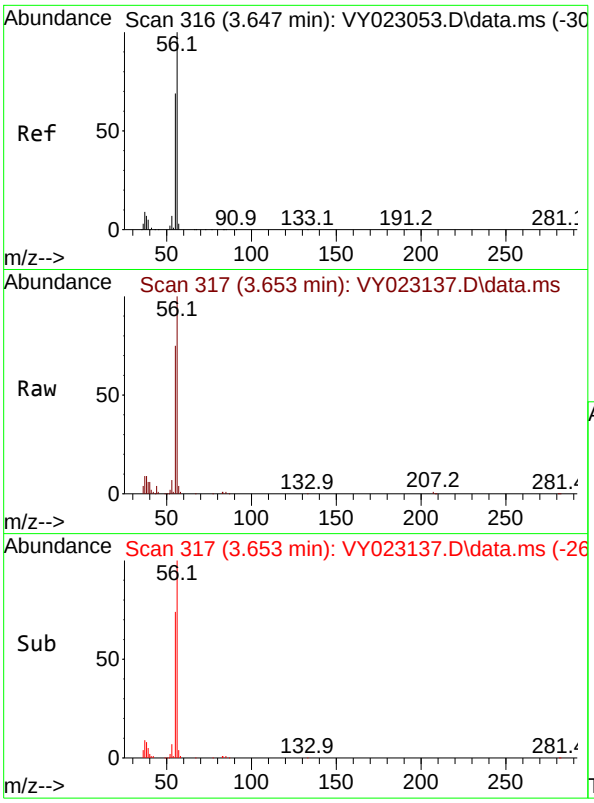


#12
1,1-Dichloroethene
Concen: 49.491 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 96 Resp: 267212

Ion	Ratio	Lower	Upper
96	100		
61	148.0	129.4	194.2
98	60.2	52.8	79.2

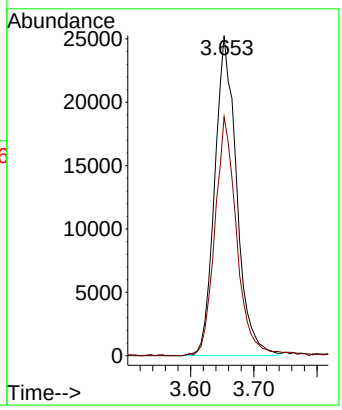




#13
Acrolein
Concen: 113.207 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 56 Resp: 6066

Ion	Ratio	Lower	Upper
56	100		
55	74.5	55.2	82.8



Instrument :
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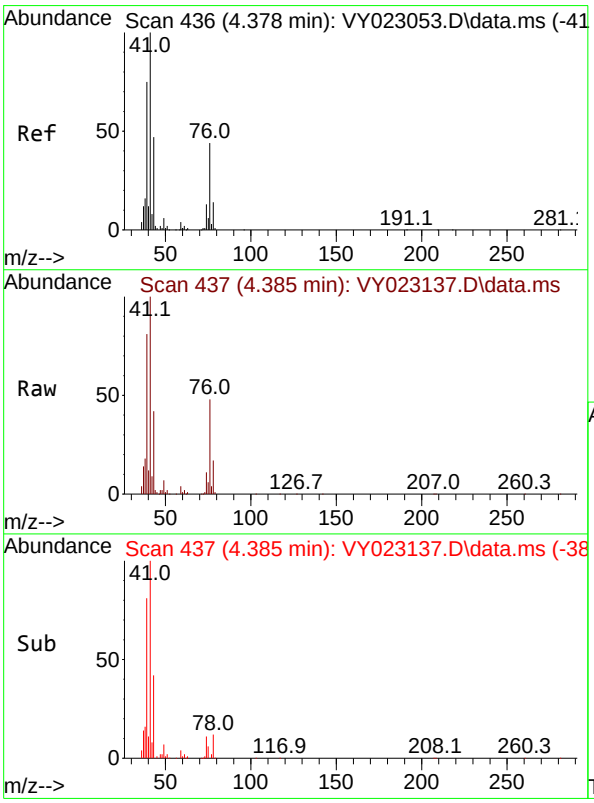
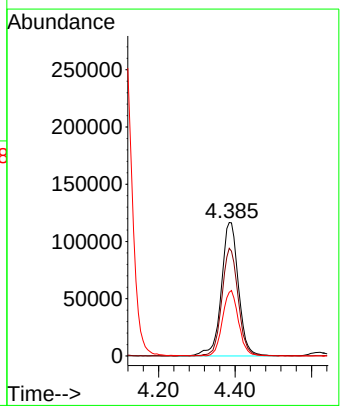
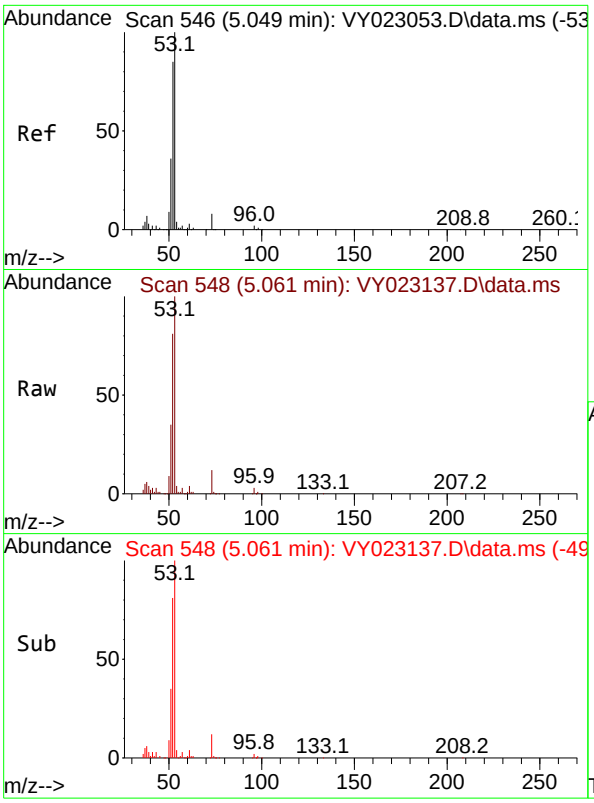


#14
Allyl chloride
Concen: 45.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 361978

Ion	Ratio	Lower	Upper
41	100		
39	76.6	59.8	89.6
76	46.0	33.7	50.5

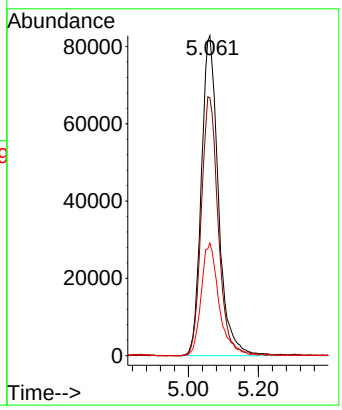




#15
Acrylonitrile
Concen: 233.725 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 53 Resp: 27990

Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.3	97.9
51	36.9	29.5	44.3



Instrument :
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ClientSampleId :
VSTDCCC050

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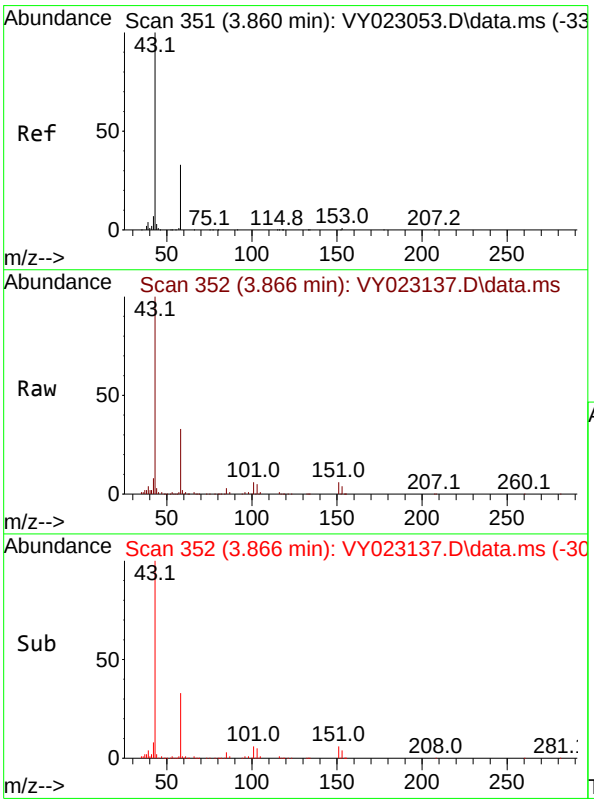
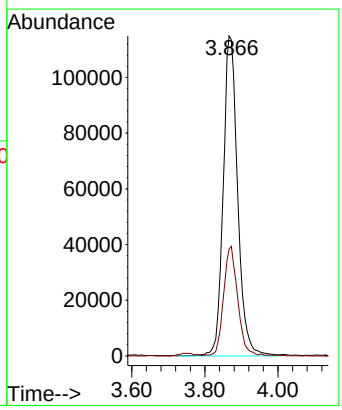
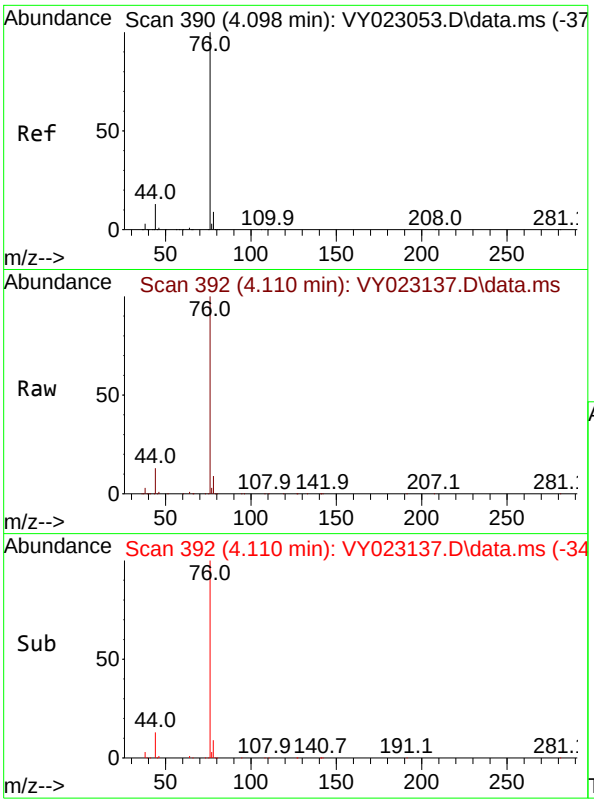


#16
Acetone
Concen: 273.812 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 316768

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.1	40.7





#17
Carbon Disulfide
Concen: 46.117 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 76 Resp: 81188

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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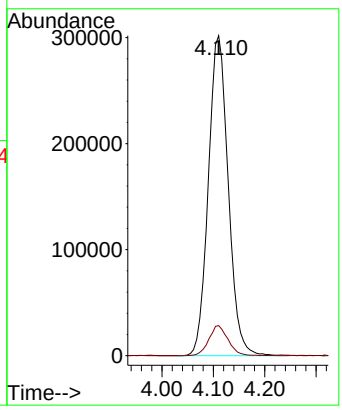
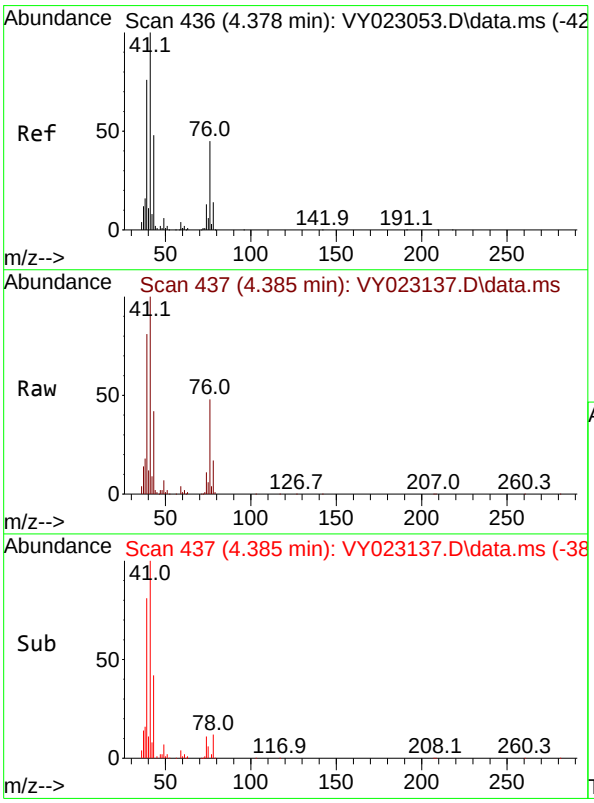
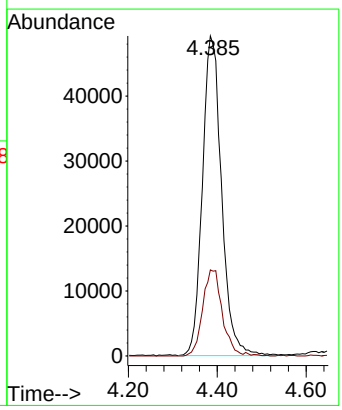


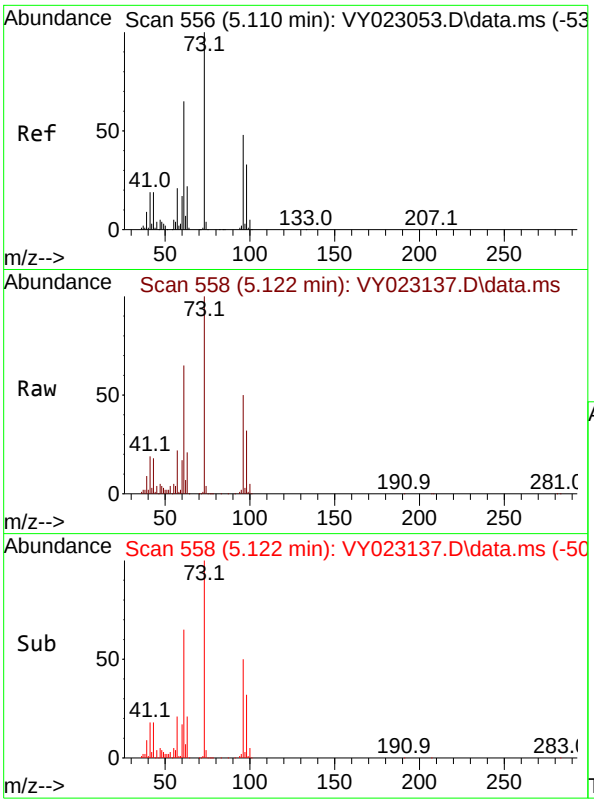


#18
Methyl Acetate
Concen: 42.821 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 147420

Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.2	31.8

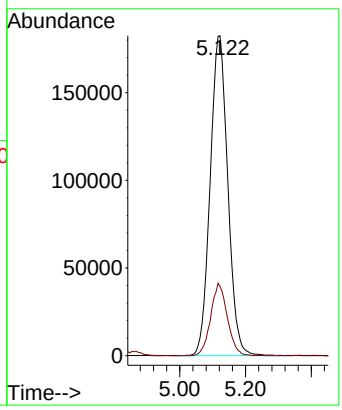




#19
Methyl tert-butyl Ether
Concen: 48.545 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 73 Resp: 67919

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7



Instrument :
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ClientSampleId :
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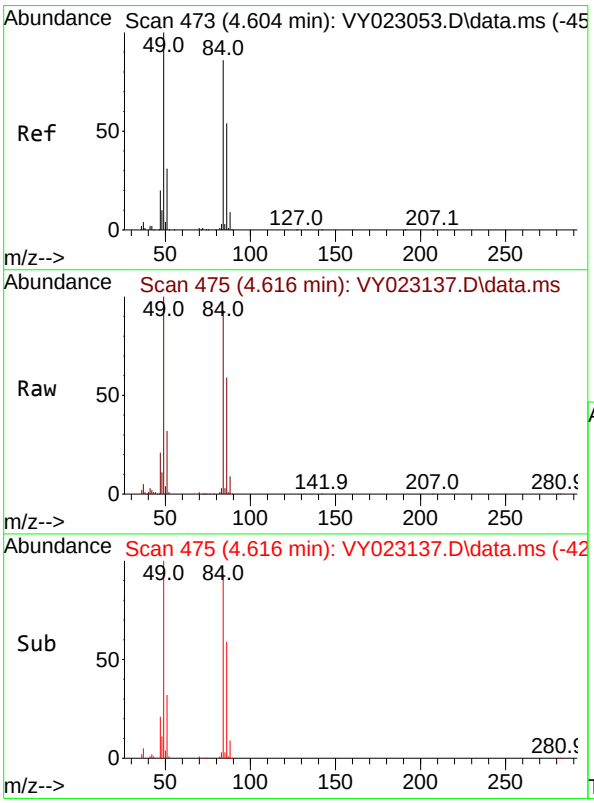
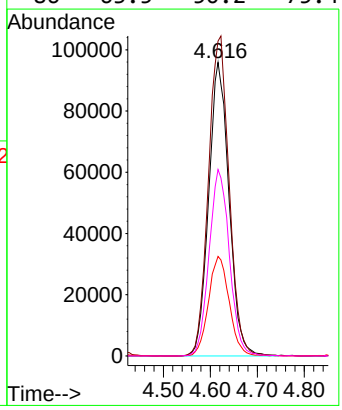
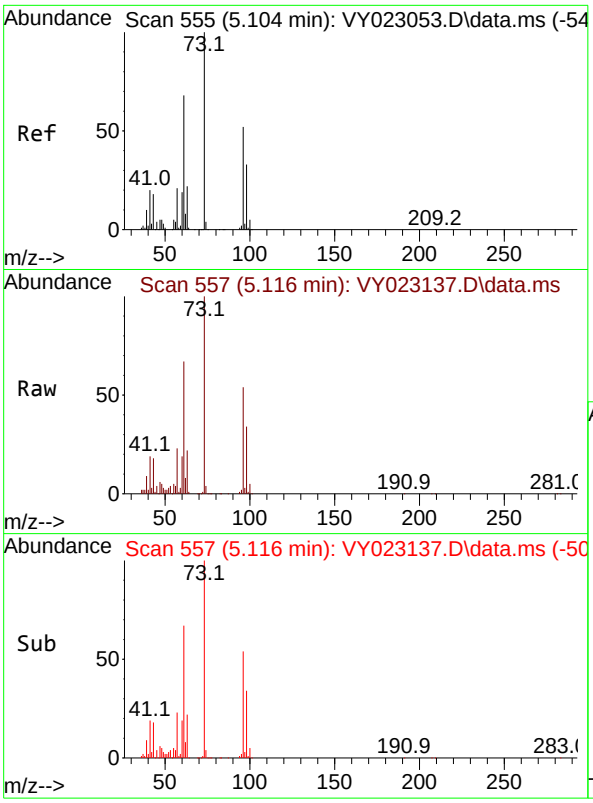


#20
Methylene Chloride
Concen: 47.727 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 84 Resp: 287656

Ion	Ratio	Lower	Upper
84	100		
49	107.3	93.0	139.6
51	33.9	29.0	43.4
86	63.5	50.2	75.4

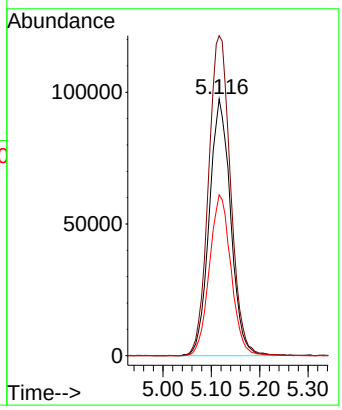




#21
trans-1,2-Dichloroethene
Concen: 49.404 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 96 Resp: 29976

Ion	Ratio	Lower	Upper
96	100		
61	124.6	104.8	157.2
98	62.6	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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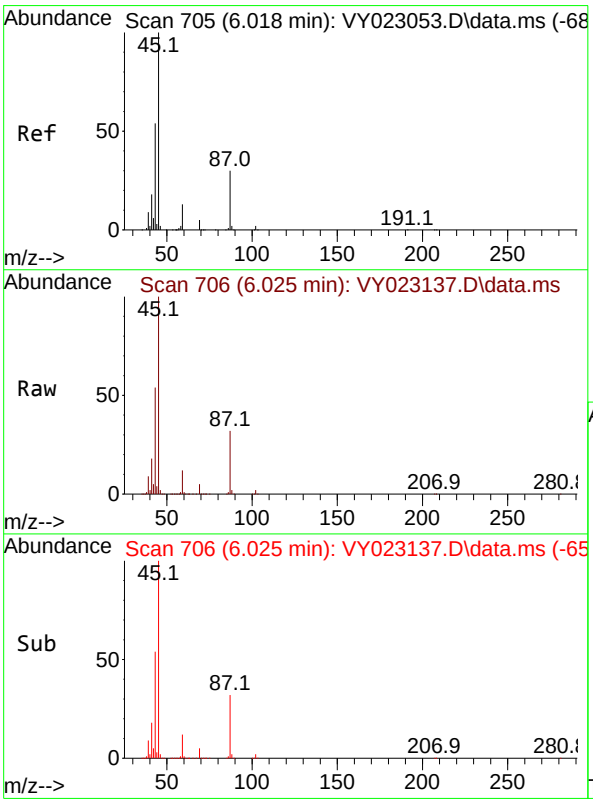
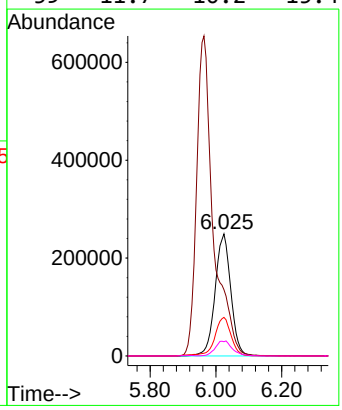
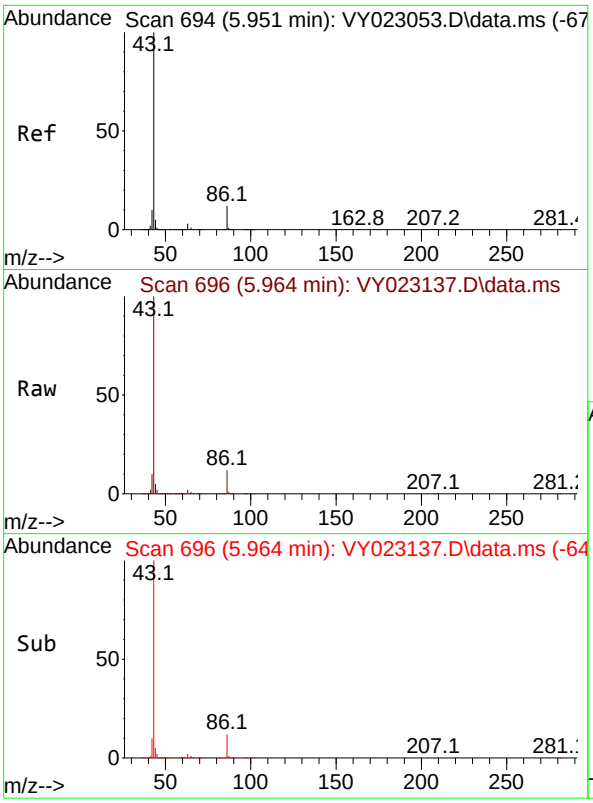


#22
Diisopropyl ether
Concen: 47.793 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 45 Resp: 825090

Ion	Ratio	Lower	Upper
45	100		
43	54.3	43.4	65.0
87	31.6	24.4	36.6
59	11.7	10.2	15.4

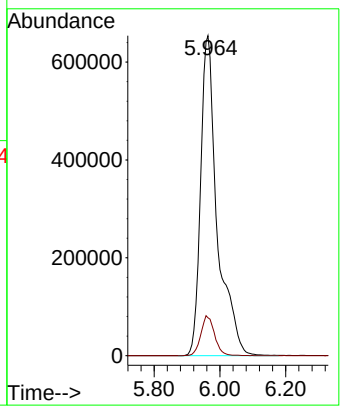




#23
Vinyl Acetate
Concen: 240.761 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 229829

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.6	14.4



Instrument :
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ClientSampleId :
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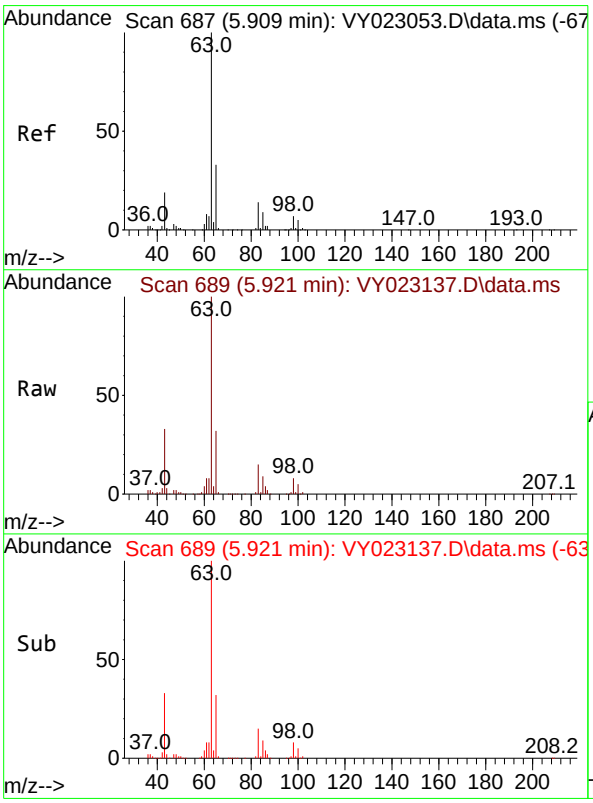
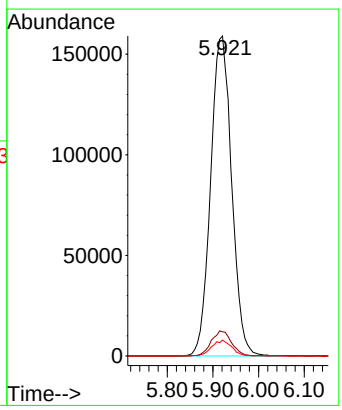
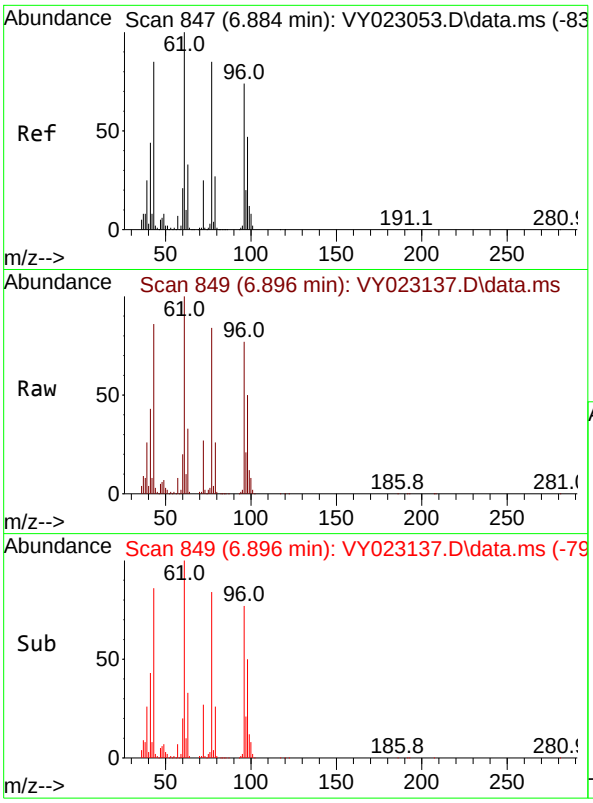


#24
1,1-Dichloroethane
Concen: 48.199 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 508733

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	5.0	2.4	7.1





#25
2-Butanone
Concen: 244.351 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 38446

Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
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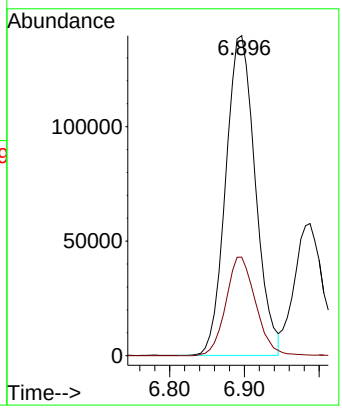
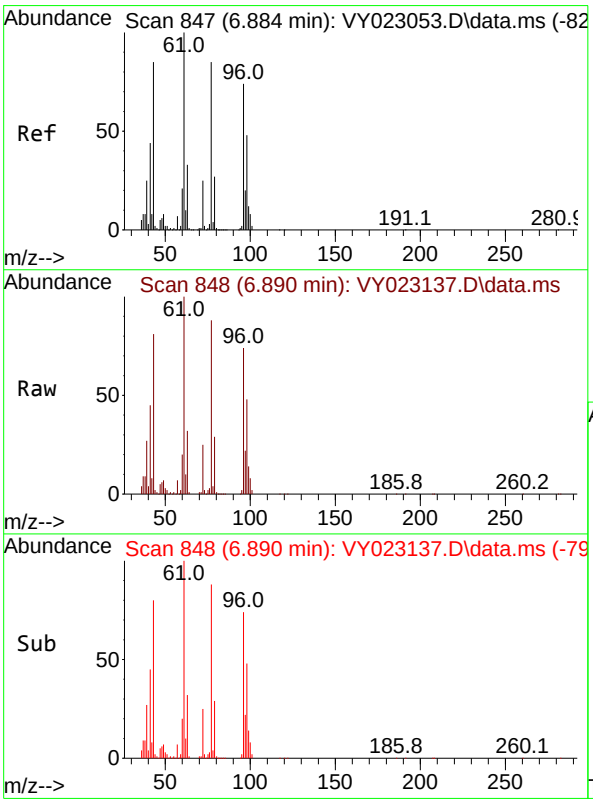
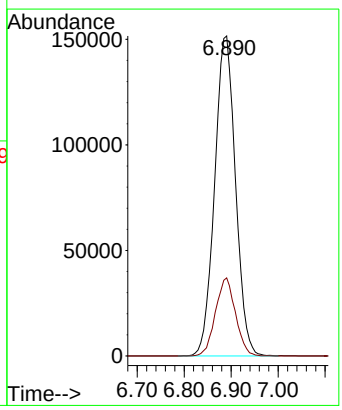


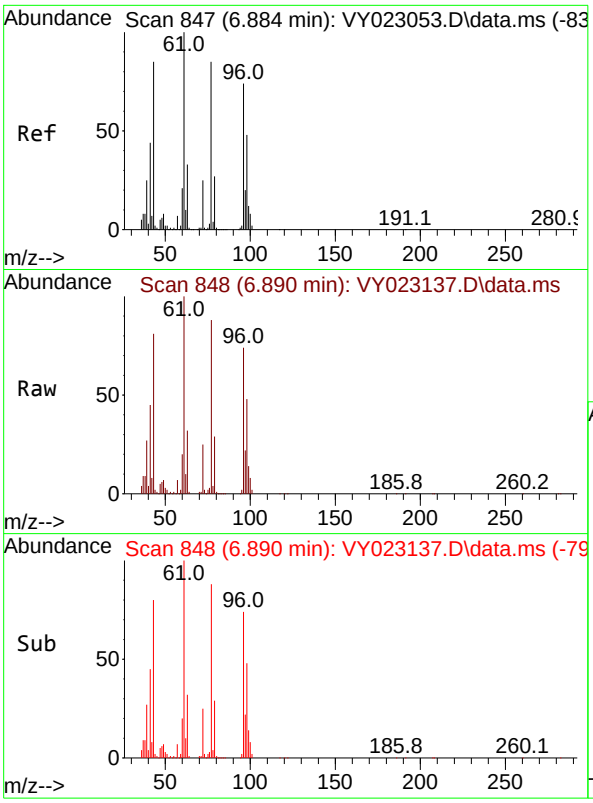


#26
2,2-Dichloropropane
Concen: 51.414 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 77 Resp: 468257

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.8

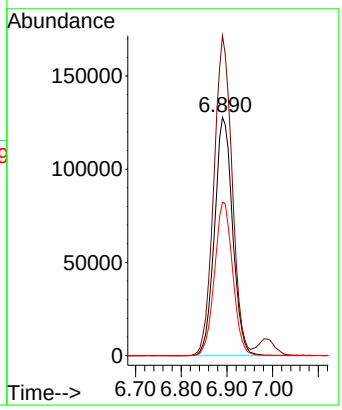




#27
cis-1,2-Dichloroethene
Concen: 50.042 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 96 Resp: 35101

Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.6
98	64.8	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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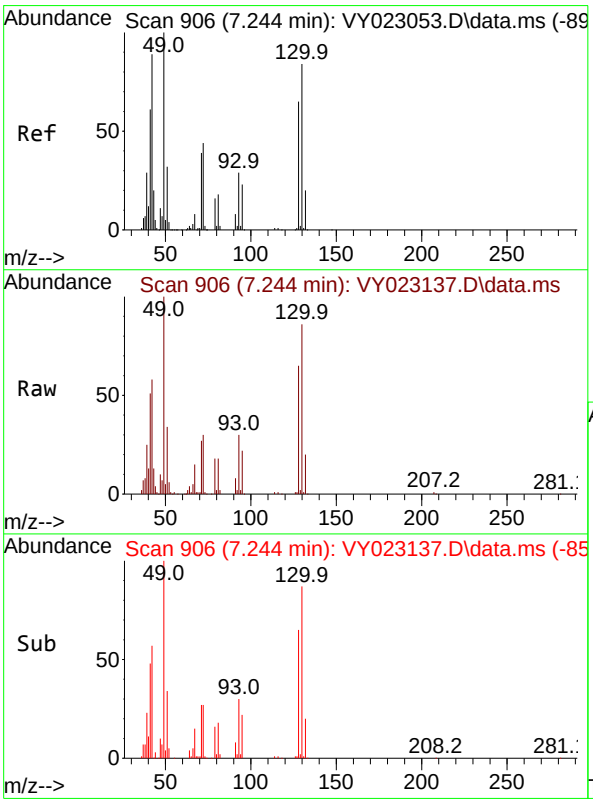
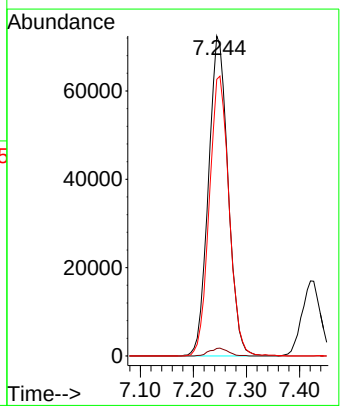
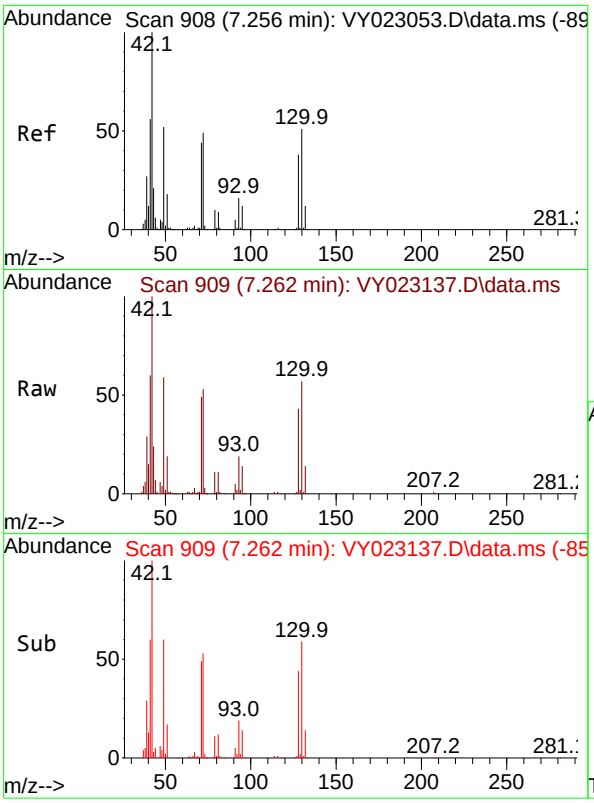


#28
Bromochloromethane
Concen: 44.509 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 49 Resp: 186381

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.8	66.4	99.6

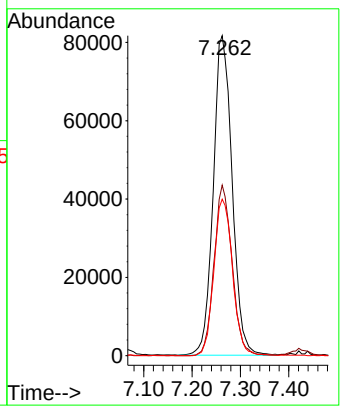




#29
Tetrahydrofuran
Concen: 226.737 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 42 Resp: 22113

Ion	Ratio	Lower	Upper
42	100		
72	51.1	39.4	59.2
71	48.6	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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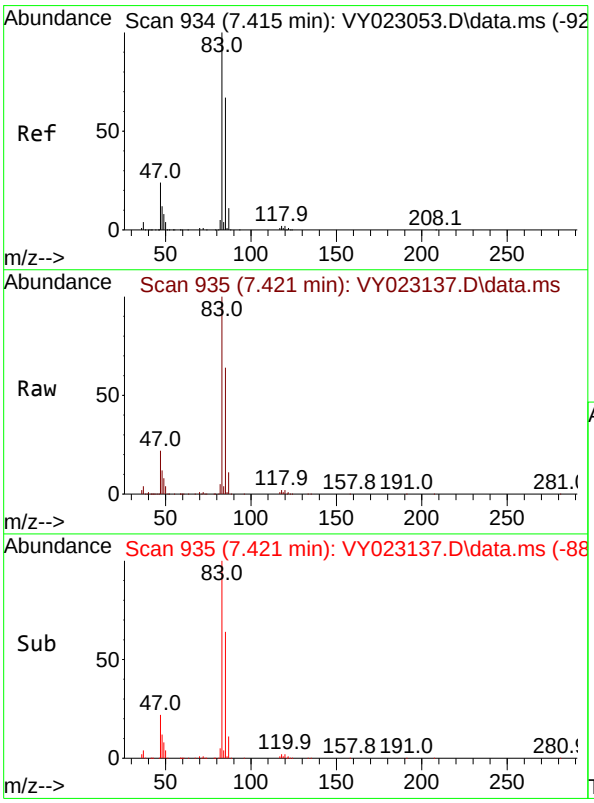
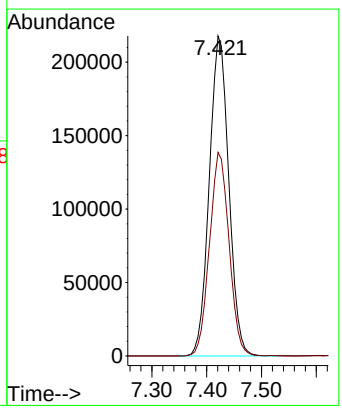
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

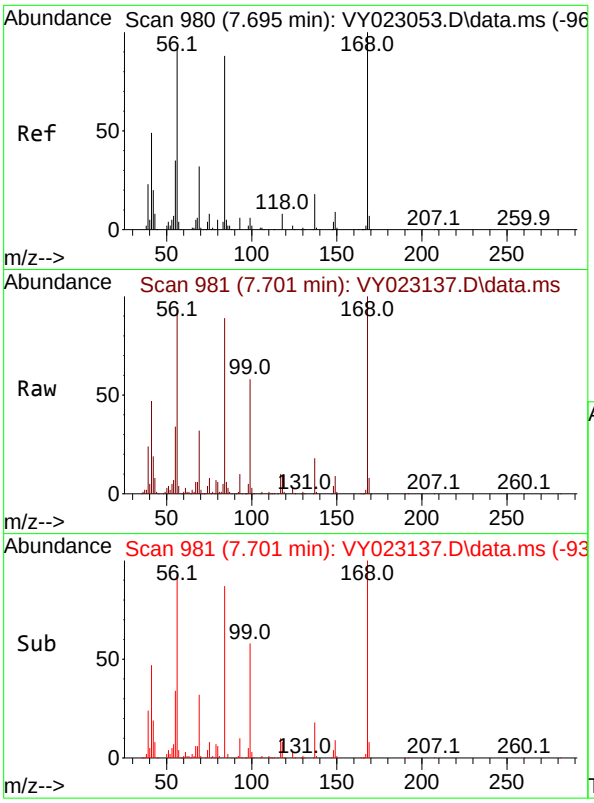


#30
Chloroform
Concen: 49.287 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 83 Resp: 536519

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.8	80.8

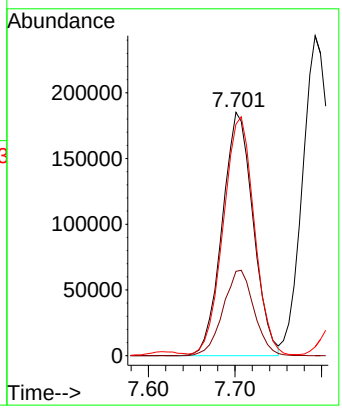




#31
Cyclohexane
Concen: 46.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 56 Resp: 46021

Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.2	42.2
84	94.2	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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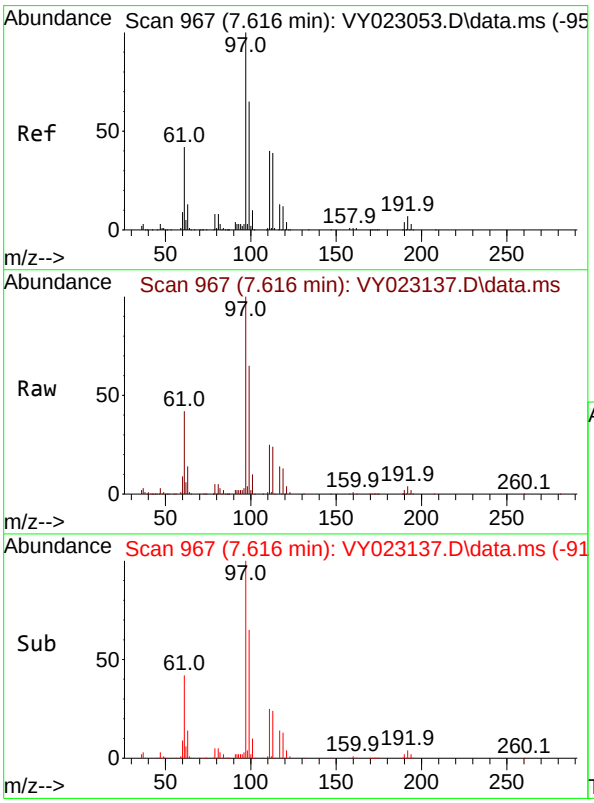
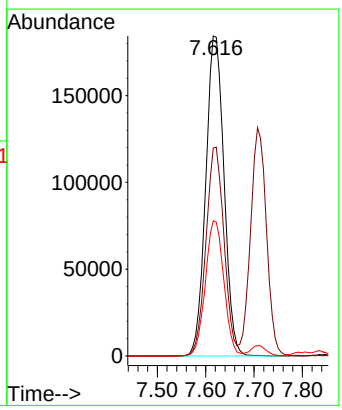
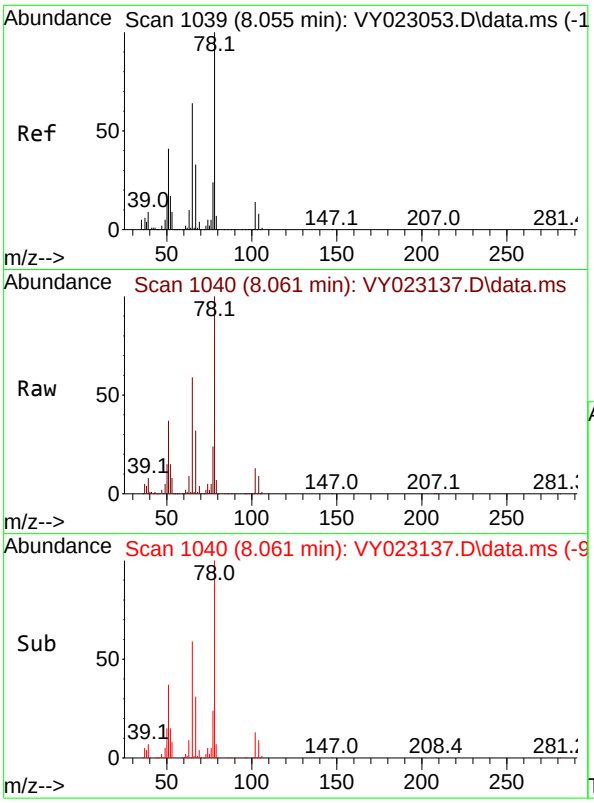


#32
1,1,1-Trichloroethane
Concen: 50.106 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 97 Resp: 483961

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.7	34.2	51.2

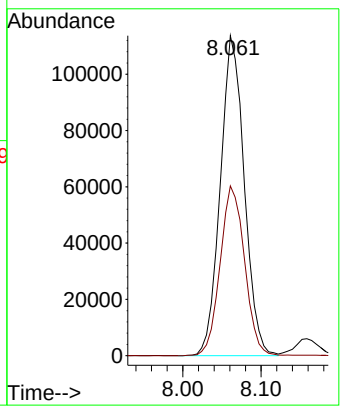




#33
1,2-Dichloroethane-d4
Concen: 45.256 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 65 Resp: 24166

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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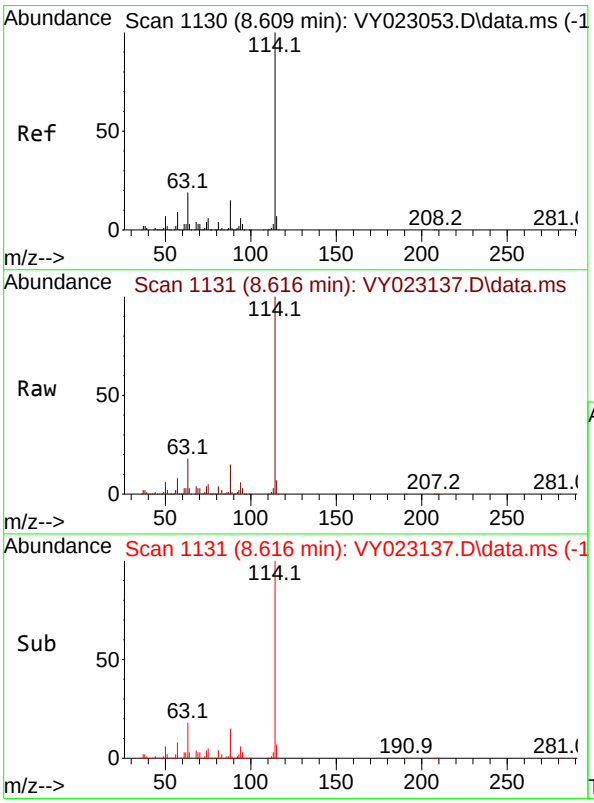
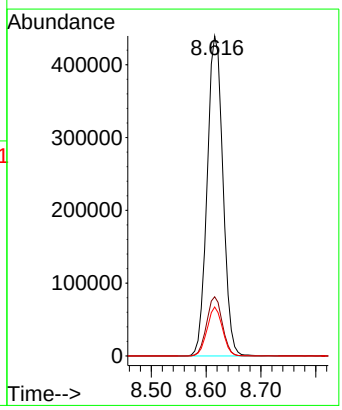
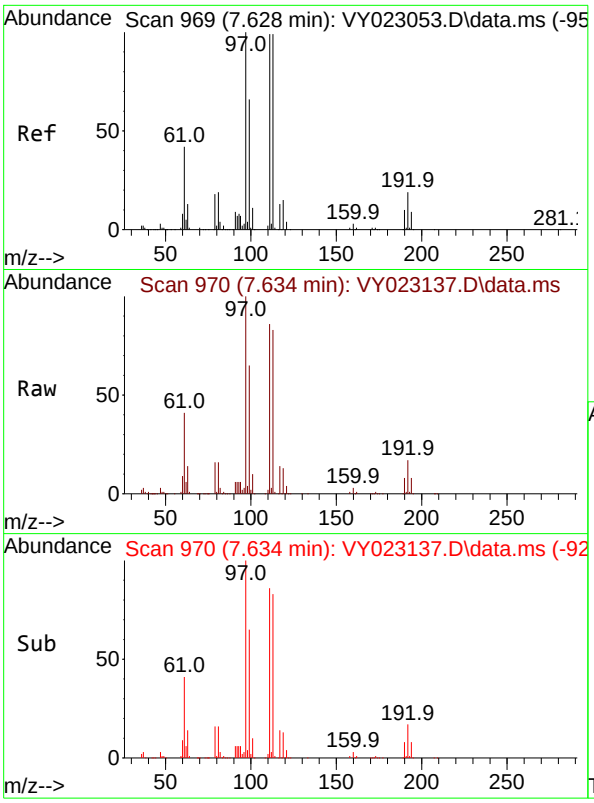


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:114 Resp: 876189

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	15.3	0.0	30.0

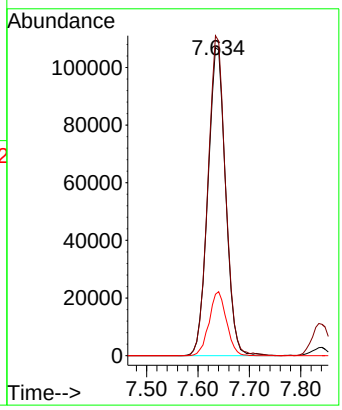




#35
Dibromofluoromethane
Concen: 48.854 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:113 Resp: 25613

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	20.3	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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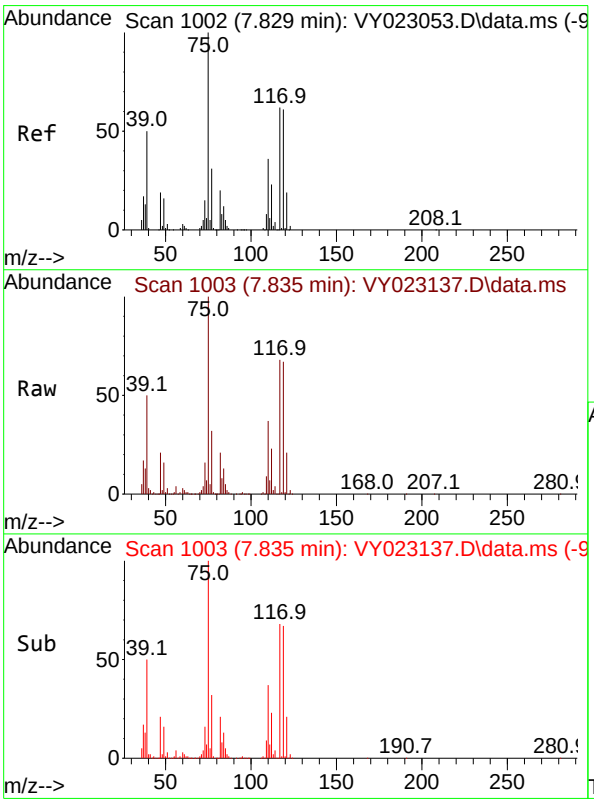
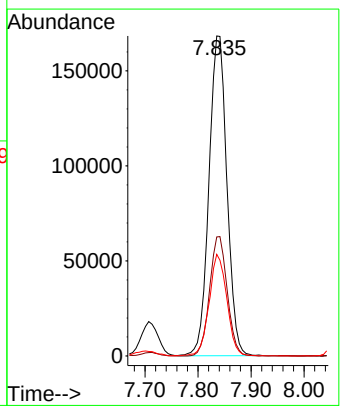
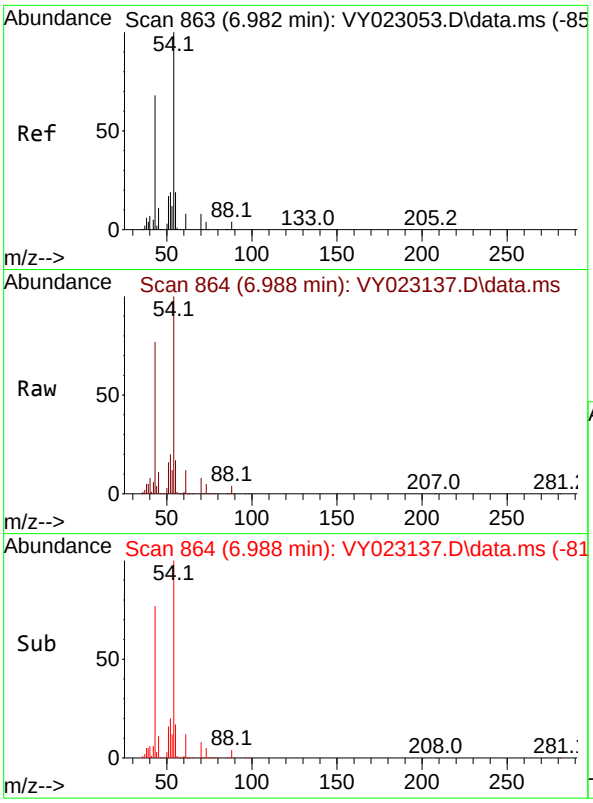


#36
1,1-Dichloropropene
Concen: 50.818 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 395952

Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.4
77	31.3	24.6	37.0

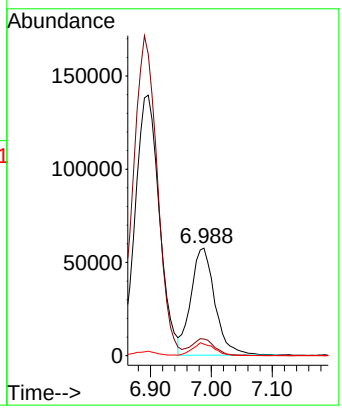




#37
Ethyl Acetate
Concen: 48.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 15712

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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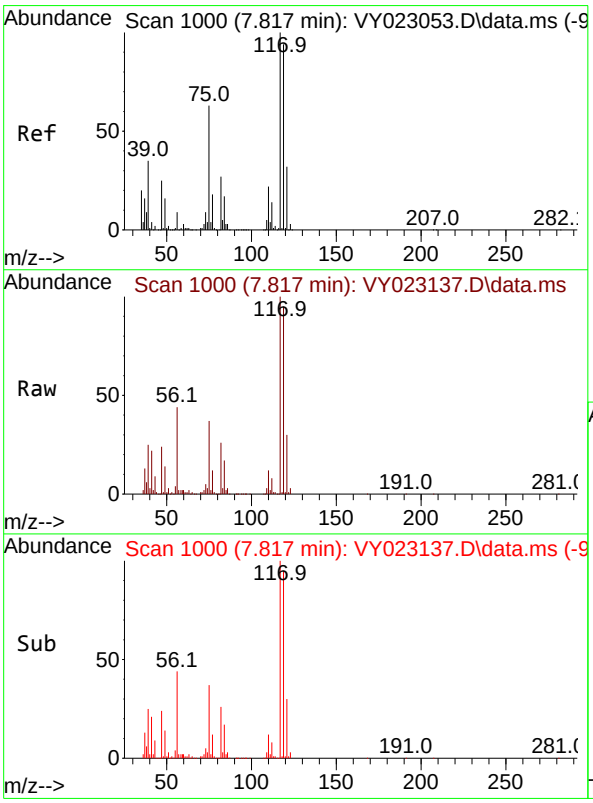
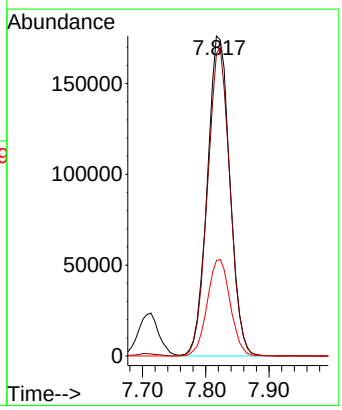
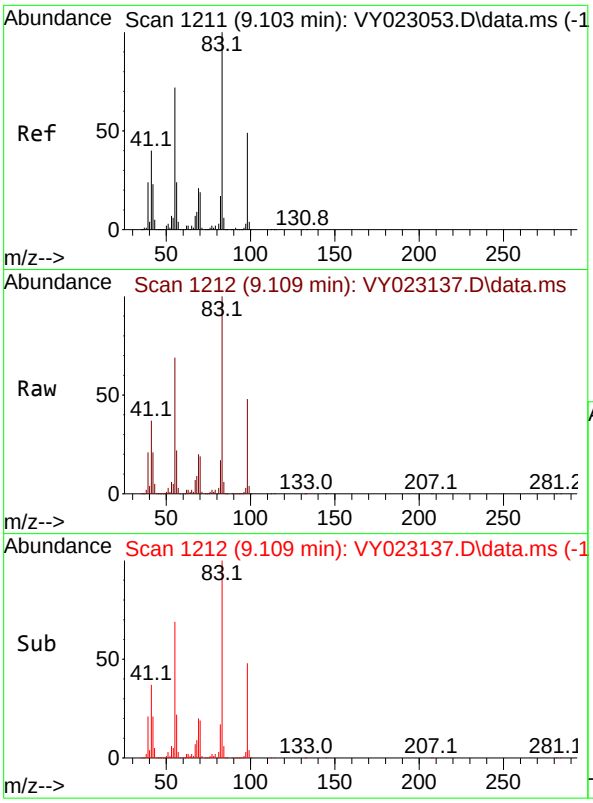


#38
Carbon Tetrachloride
Concen: 51.581 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:117 Resp: 436510

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	29.8	25.8	38.8





#39
Methylcyclohexane
Concen: 51.832 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 83 Resp: 53182

Ion	Ratio	Lower	Upper
83	100		
55	68.7	57.6	86.4
98	48.0	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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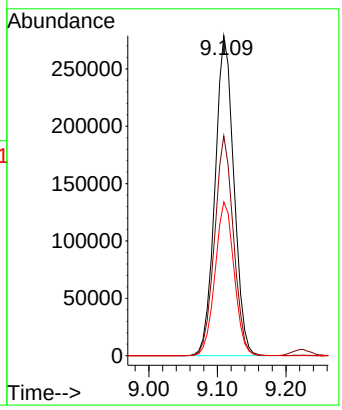
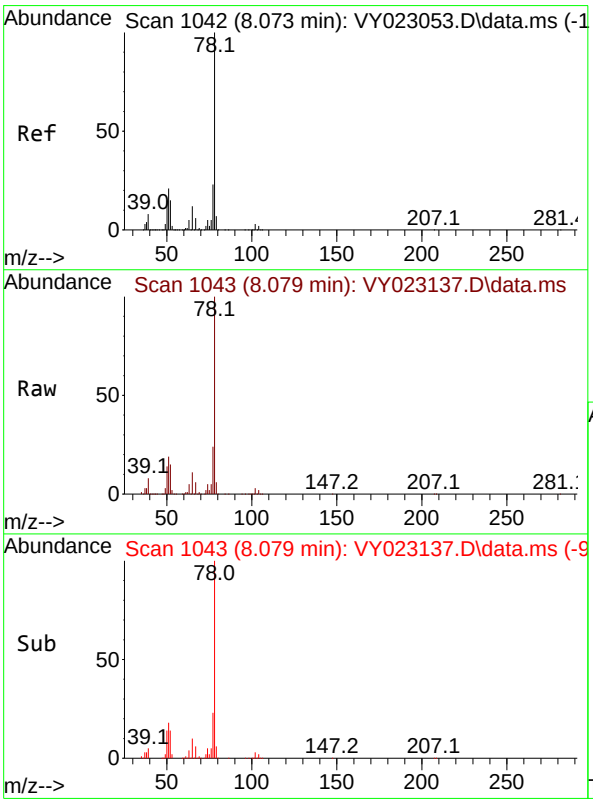
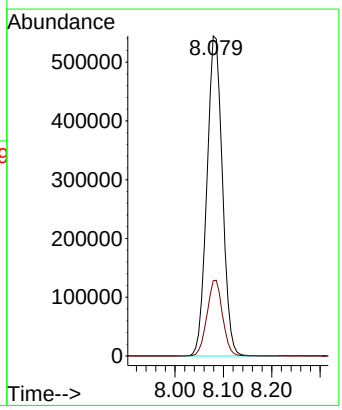


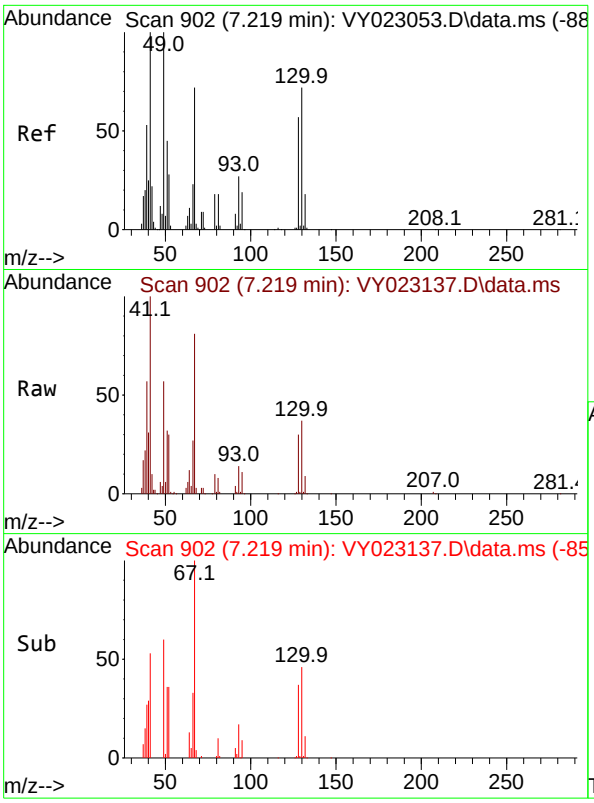


#40
Benzene
Concen: 50.401 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 78 Resp: 1210380

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0

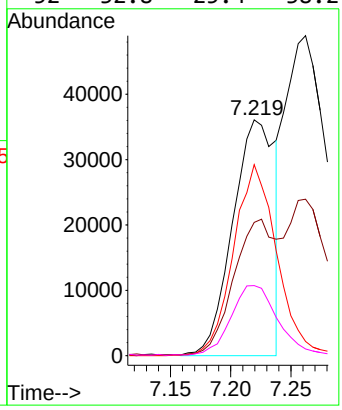




#41
Methacrylonitrile
Concen: 46.765 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 8833

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.4	65.2
67	82.9	63.6	95.4
52	32.8	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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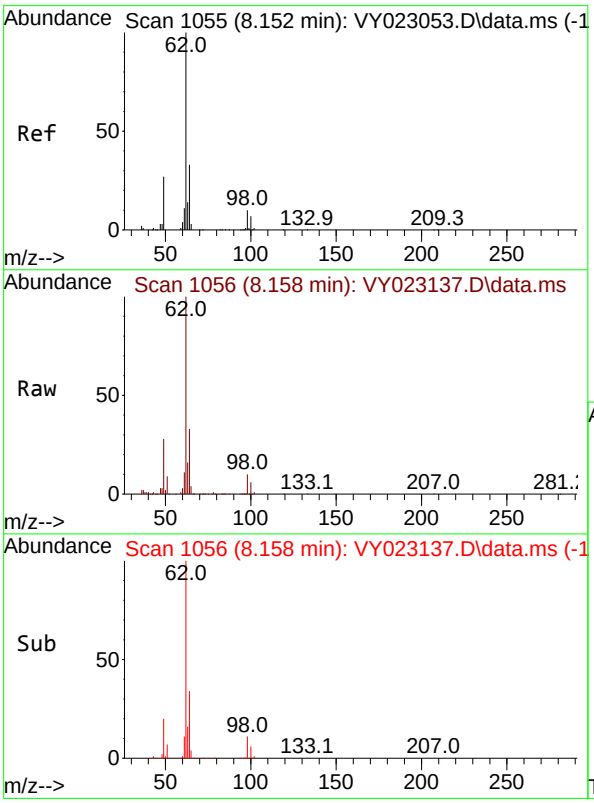
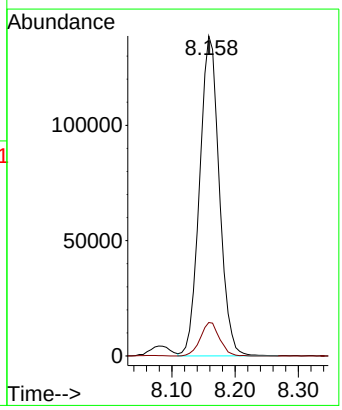
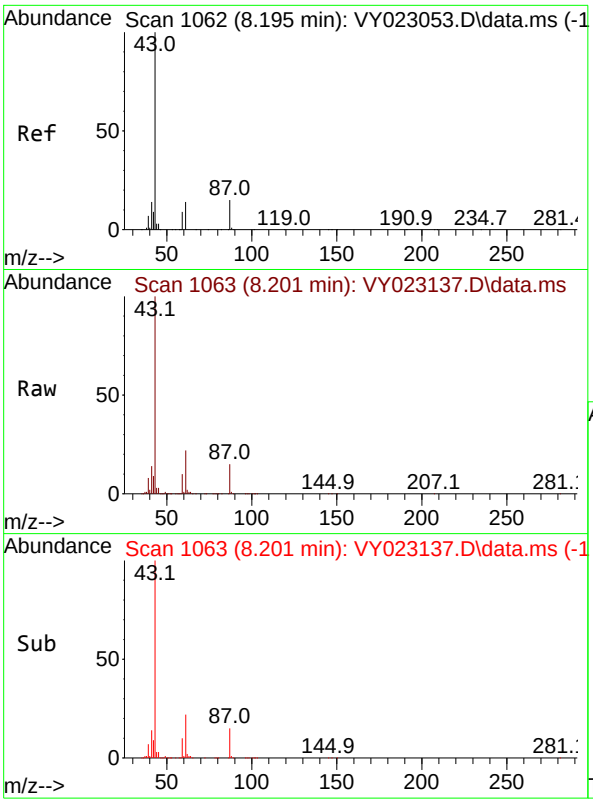


#42
1,2-Dichloroethane
Concen: 48.044 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 62 Resp: 300070

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6

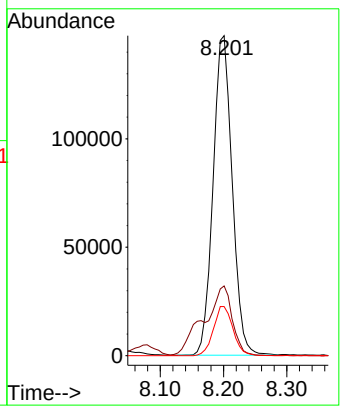




#43
Isopropyl Acetate
Concen: 46.703 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 30895

Ion	Ratio	Lower	Upper
43	100		
61	32.2	16.4	24.6
87	15.7	11.8	17.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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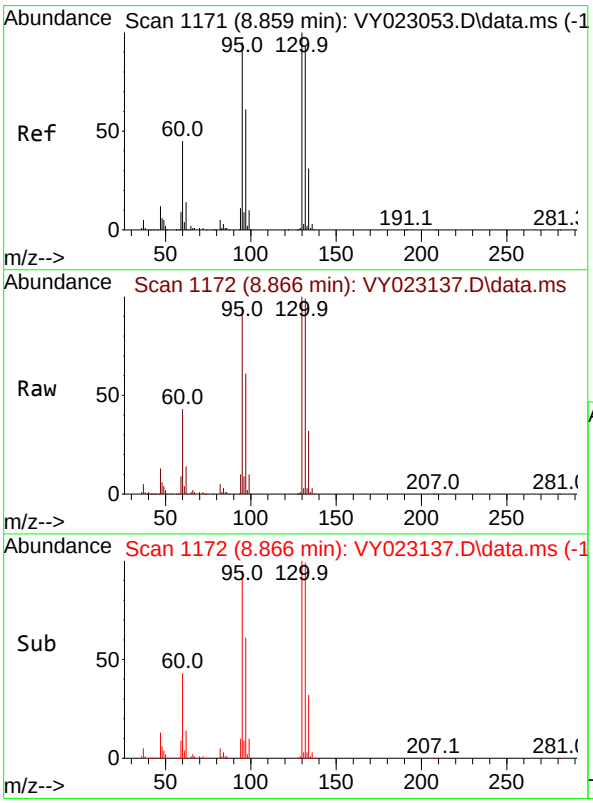
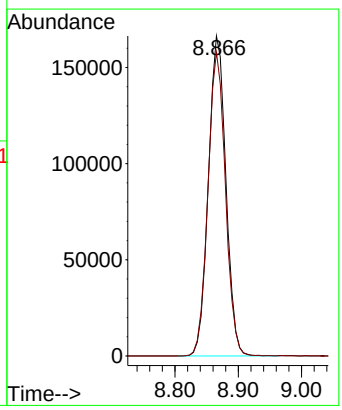
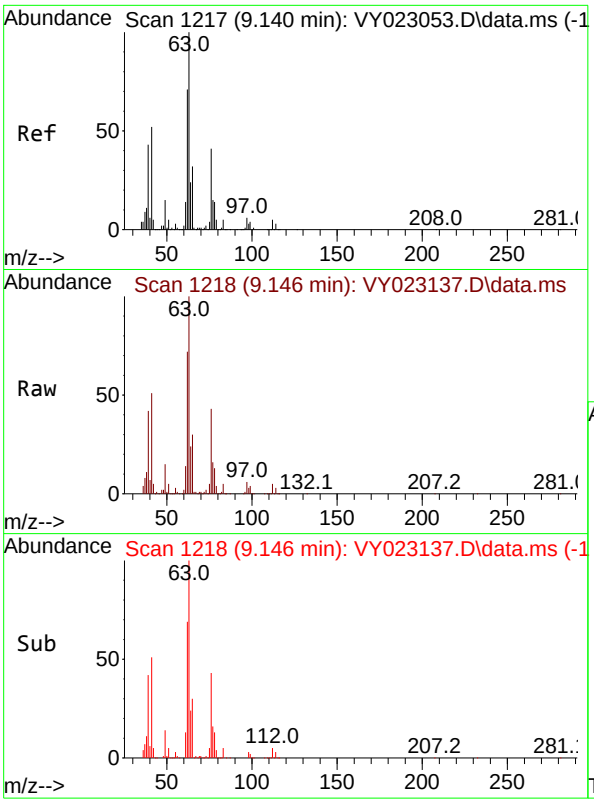


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:130 Resp: 319381

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	190.2

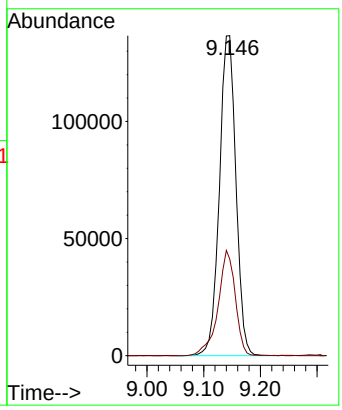




#45
1,2-Dichloropropane
Concen: 50.044 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 27652

Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.3	37.9



Instrument :
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ClientSampleId :
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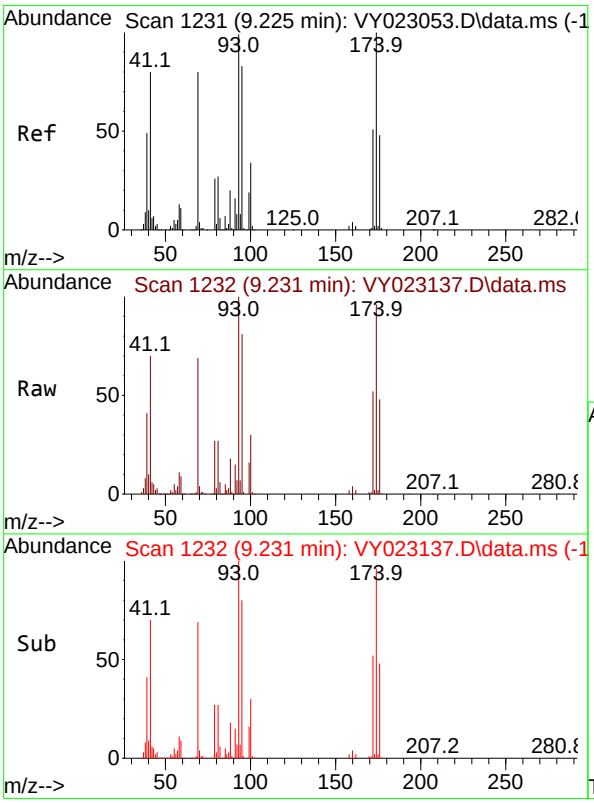
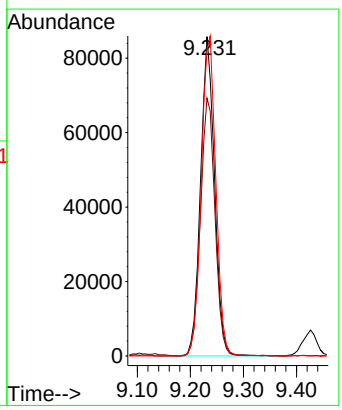
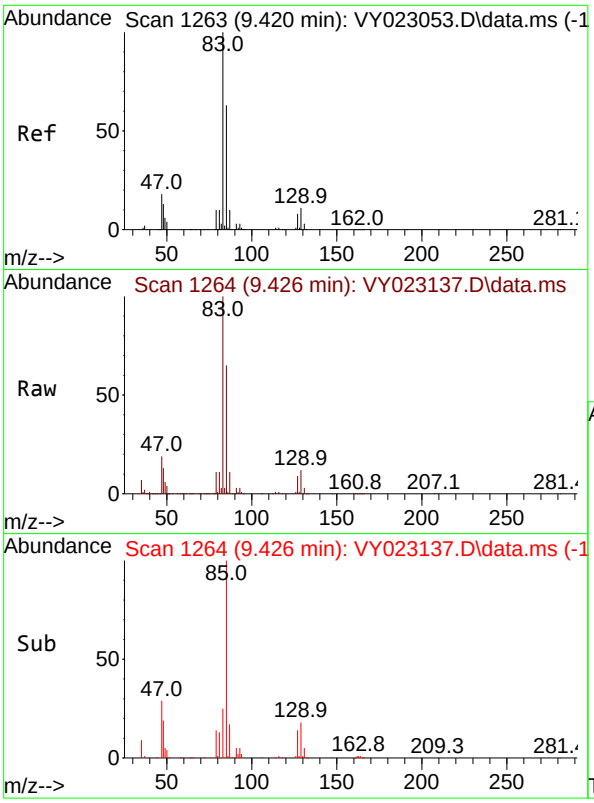


#46
Dibromomethane
Concen: 49.637 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 93 Resp: 157422

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.5	99.7
174	103.7	81.8	122.8

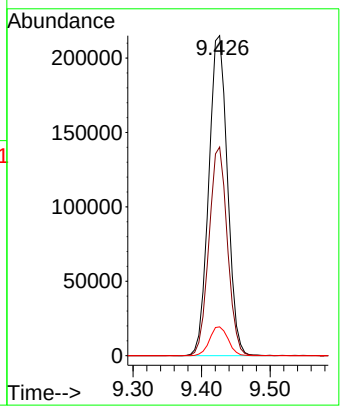




#47
Bromodichloromethane
Concen: 49.781 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 83 Resp: 40624

Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4
127	9.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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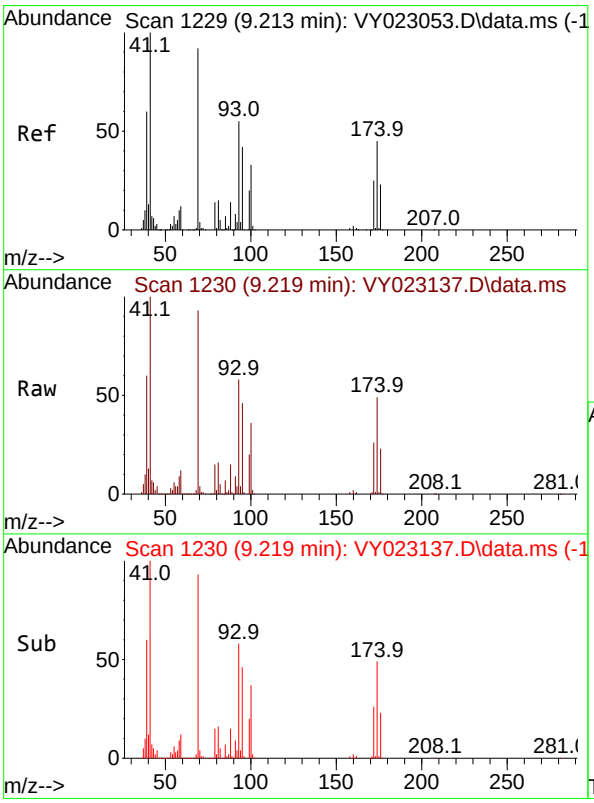
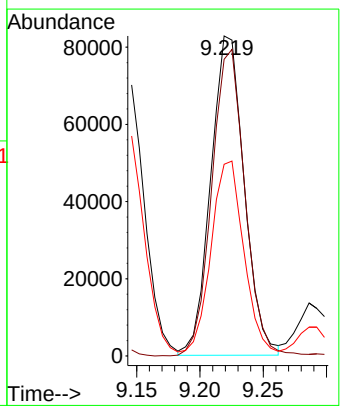
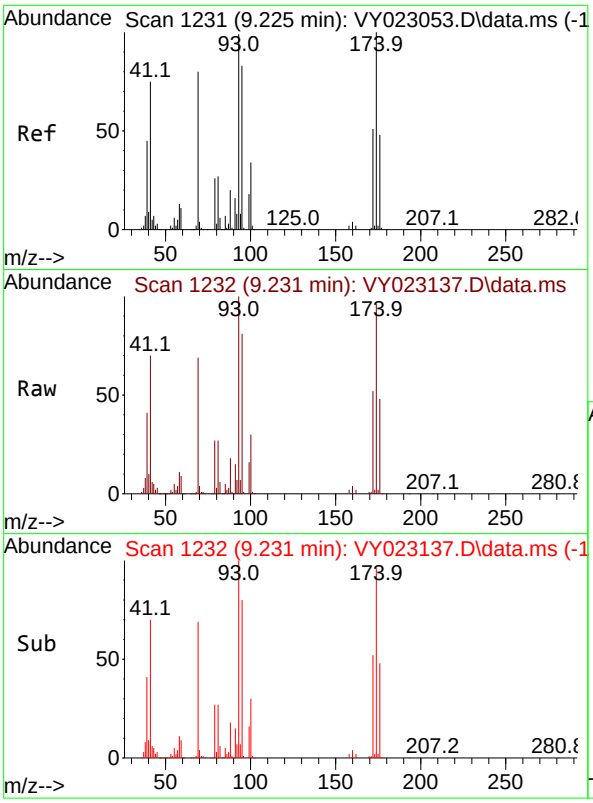


#48
Methyl methacrylate
Concen: 48.023 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 152020

Ion	Ratio	Lower	Upper
41	100		
69	95.3	73.2	109.8
39	58.1	47.0	70.4





#49
1,4-Dioxane
Concen: 934.713 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 88 Resp: 3475

Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.3	36.5
58	65.6	55.4	83.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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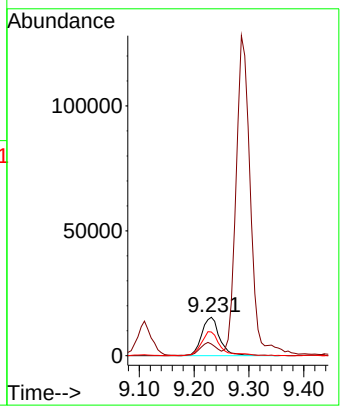
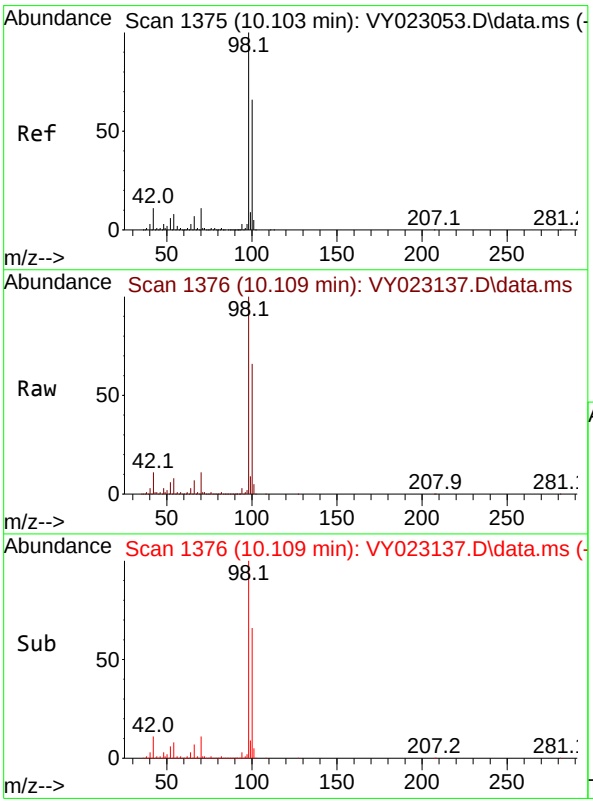
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

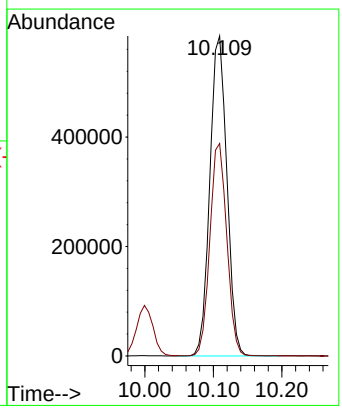


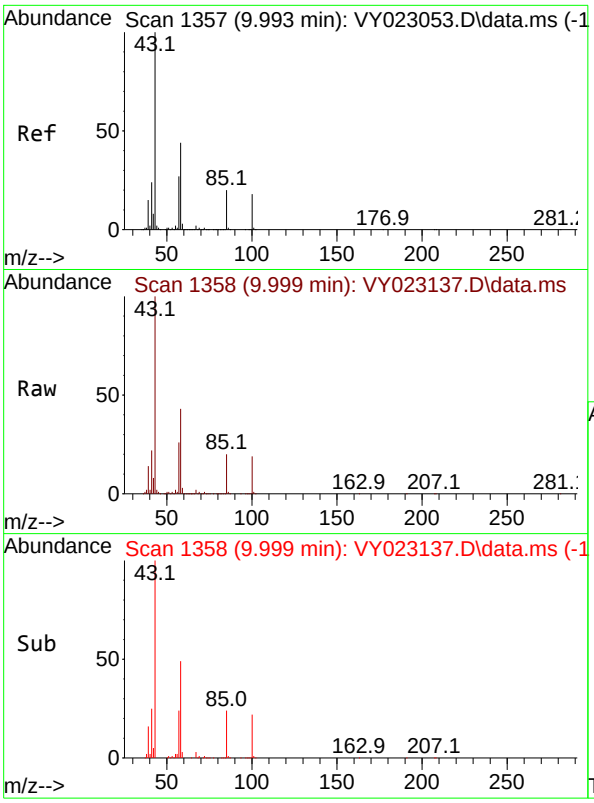


#50
Toluene-d8
Concen: 49.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 98 Resp: 1008048

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.3	78.5

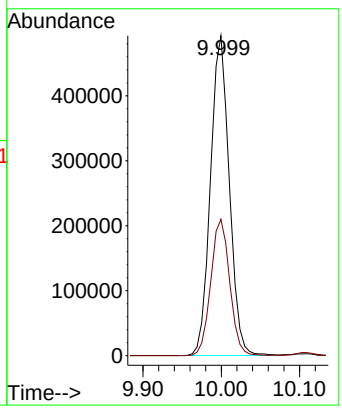




#51
4-Methyl-2-Pentanone
Concen: 240.906 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 82206

Ion	Ratio	Lower	Upper
43	100		
58	43.0	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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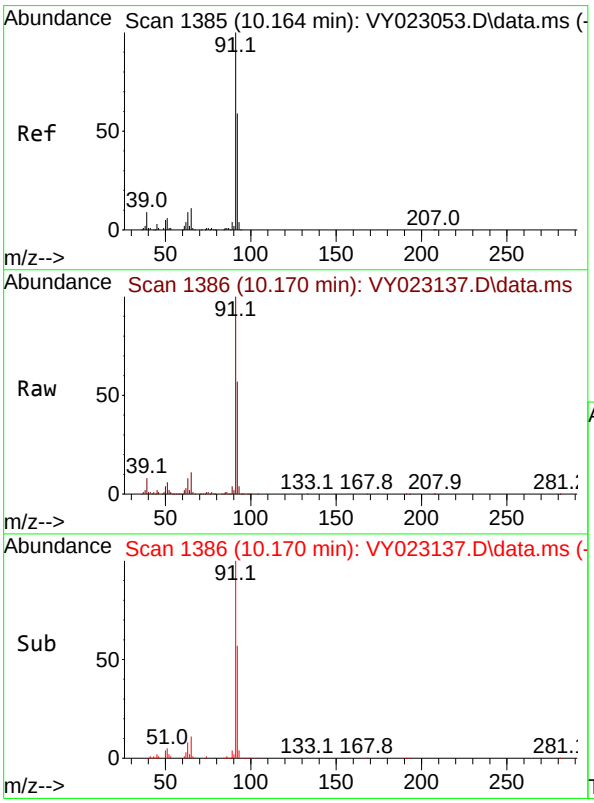
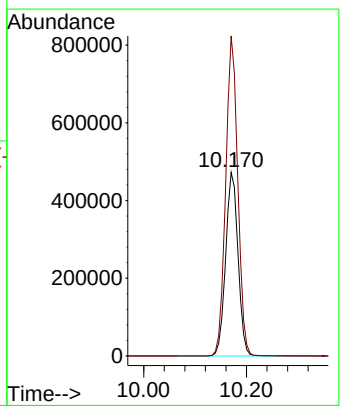
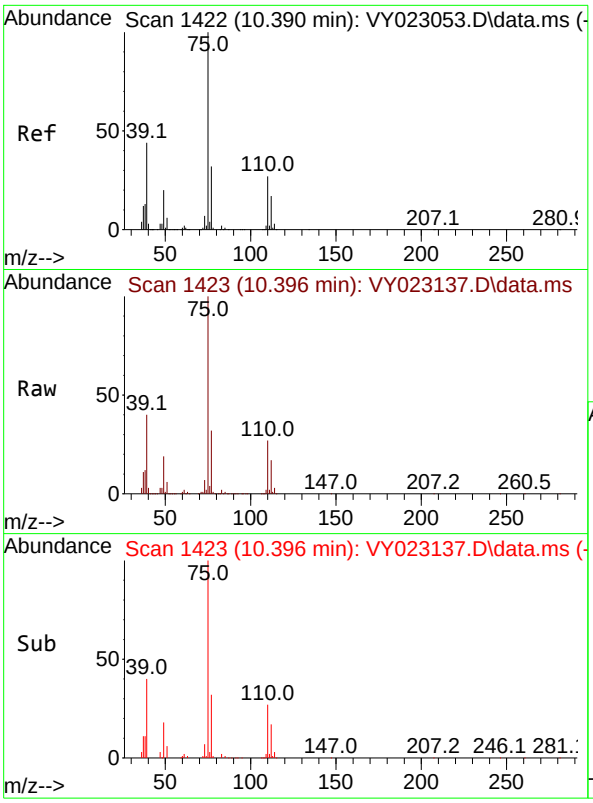


#52
Toluene
Concen: 51.669 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 92 Resp: 788070

Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.4	204.6

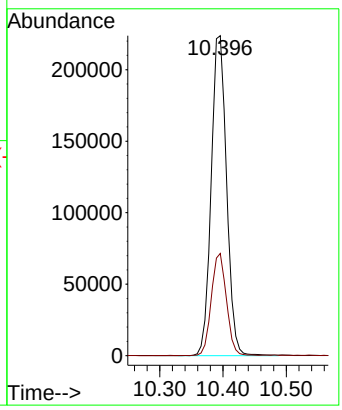




#53
t-1,3-Dichloropropene
Concen: 51.112 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 37770

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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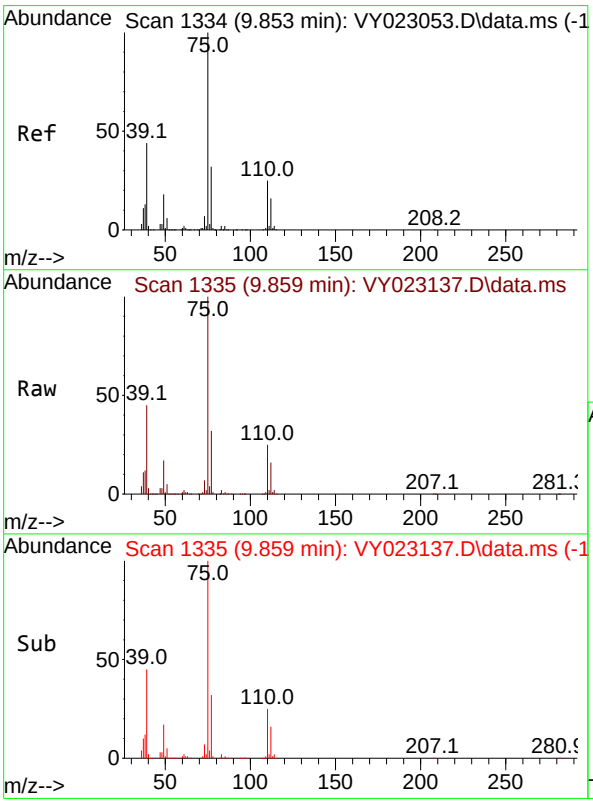
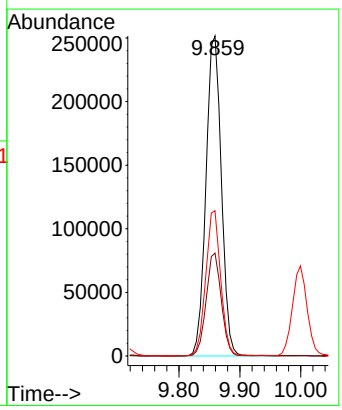
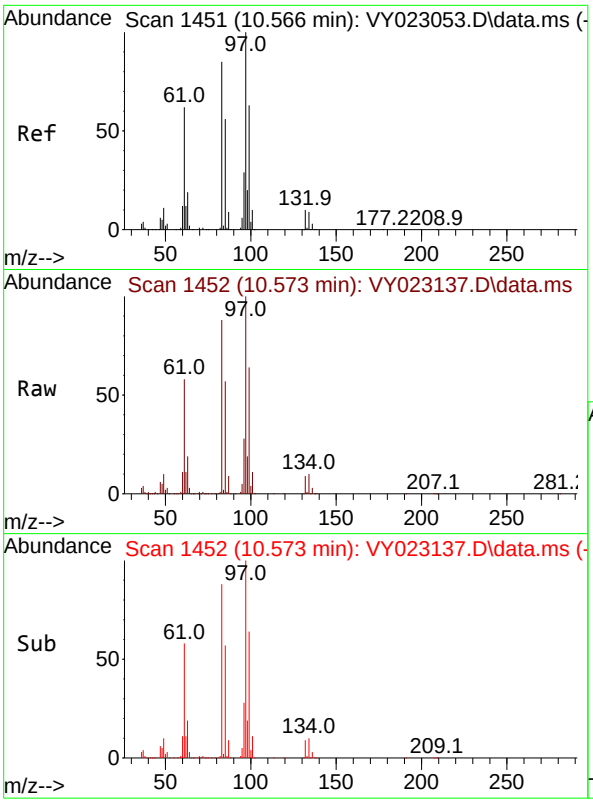


#54
cis-1,3-Dichloropropene
Concen: 50.516 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 441435

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	45.3	35.6	53.4

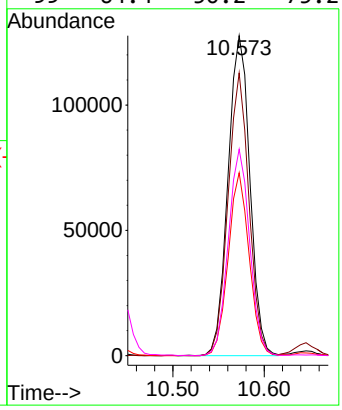




#55
1,1,2-Trichloroethane
Concen: 50.206 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 97 Resp: 21306

Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.7	101.5
85	57.1	44.5	66.7
99	64.4	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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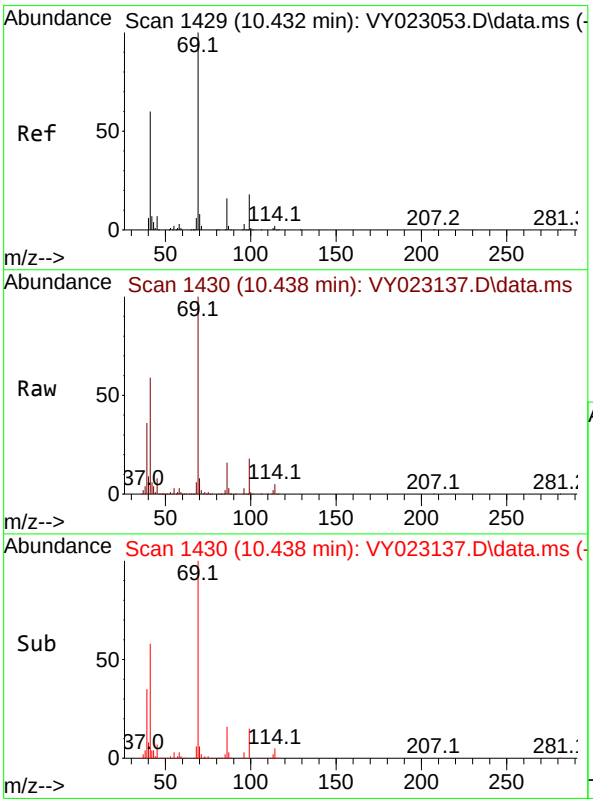
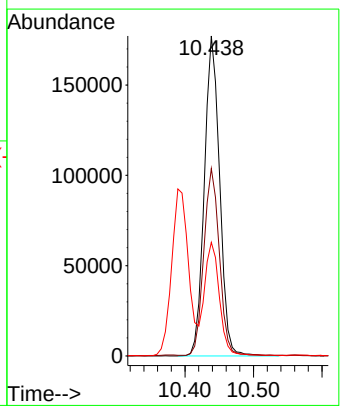
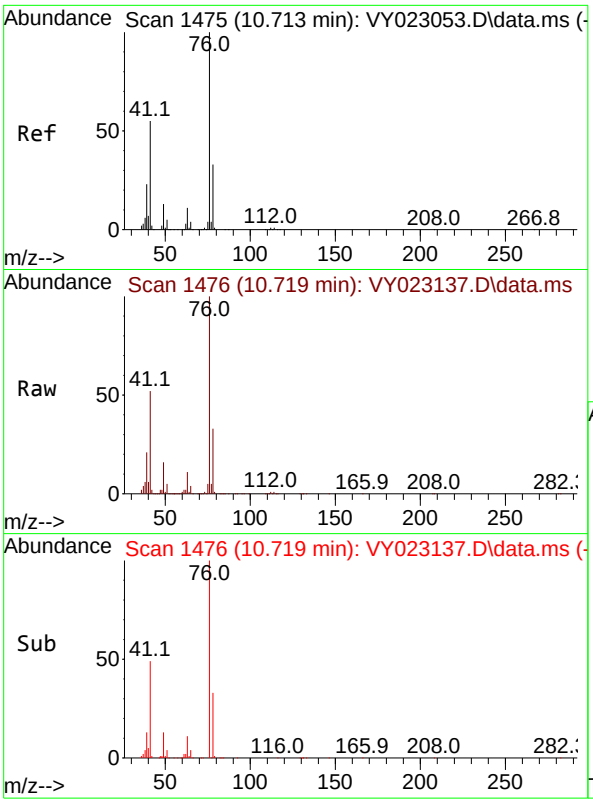


#56
Ethyl methacrylate
Concen: 50.859 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 69 Resp: 276182

Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.6	72.8
39	33.7	27.0	40.4

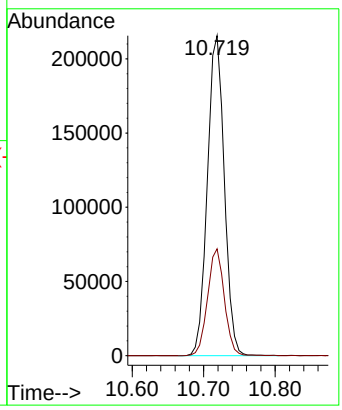




#57
1,3-Dichloropropane
Concen: 49.273 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 76 Resp: 35462

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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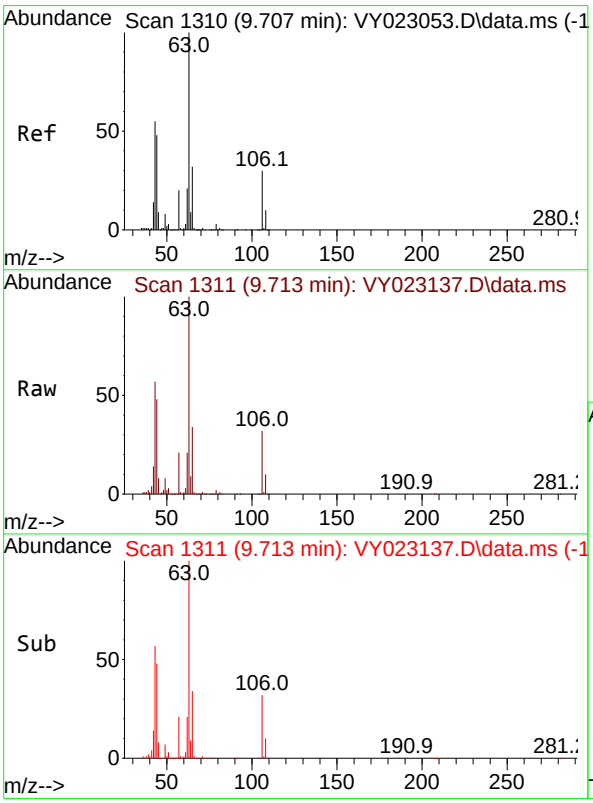
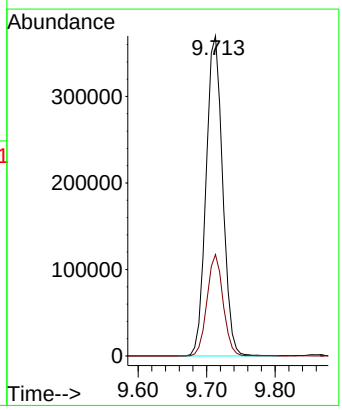
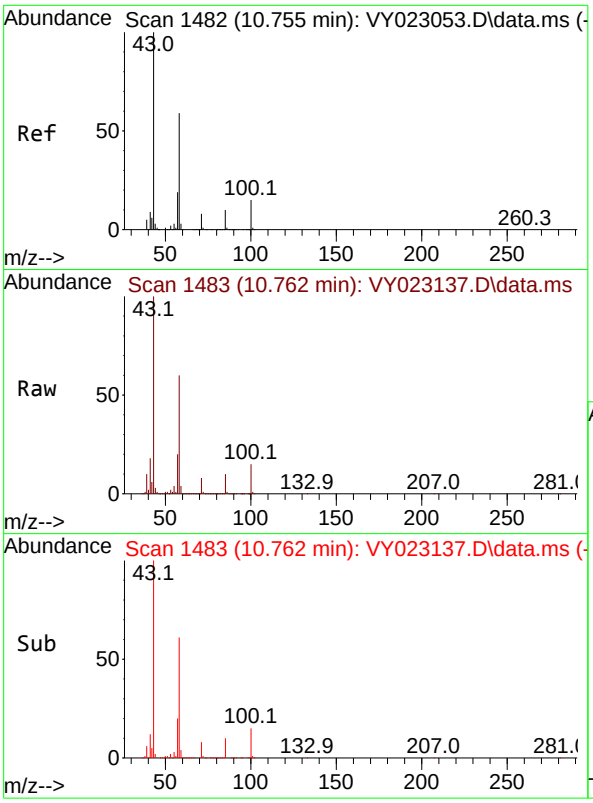


#58
2-Chloroethyl Vinyl ether
Concen: 242.835 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 622022

Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.2	34.8





#59
2-Hexanone
Concen: 254.865 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 59220

Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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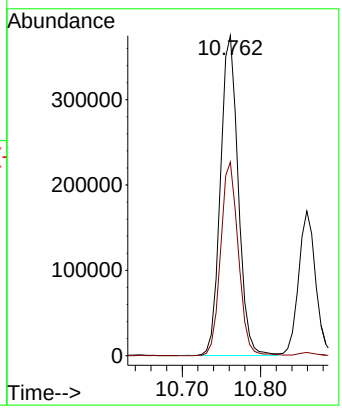
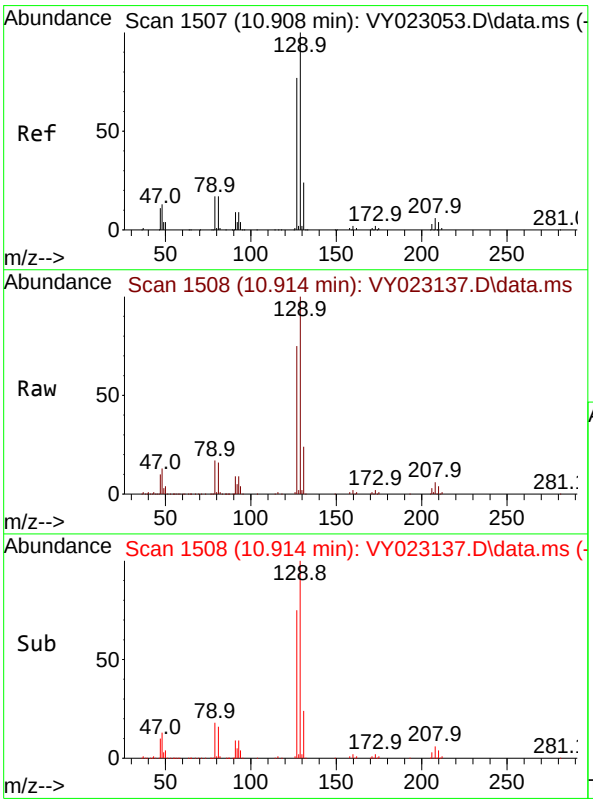
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

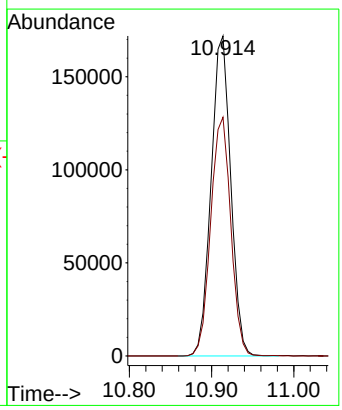


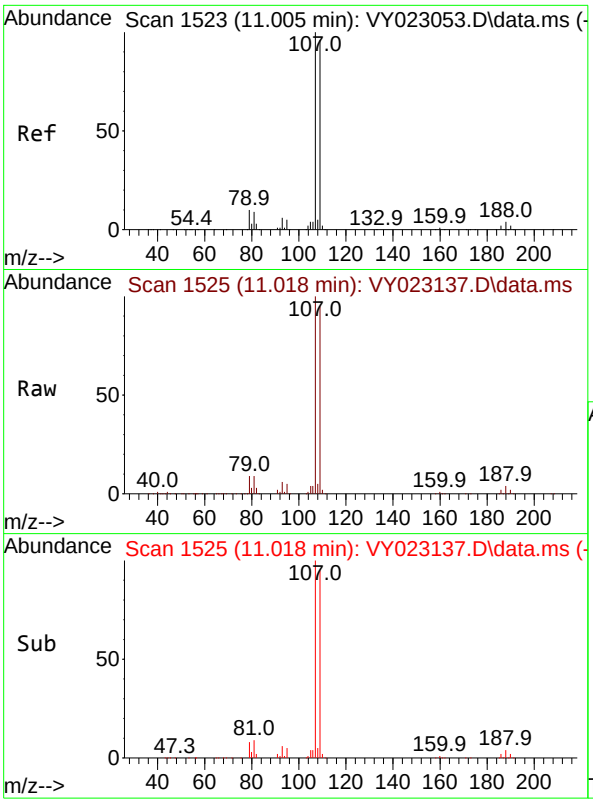


#60
Dibromochloromethane
Concen: 50.963 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:129 Resp: 285374

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5





#61
1,2-Dibromoethane
Concen: 50.411 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:107 Resp: 20107

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.6	113.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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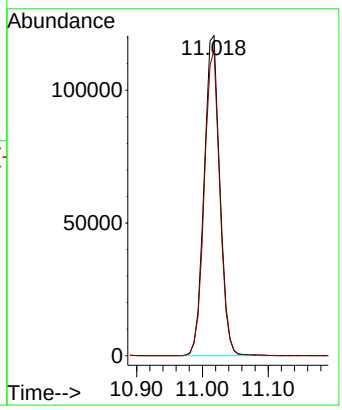
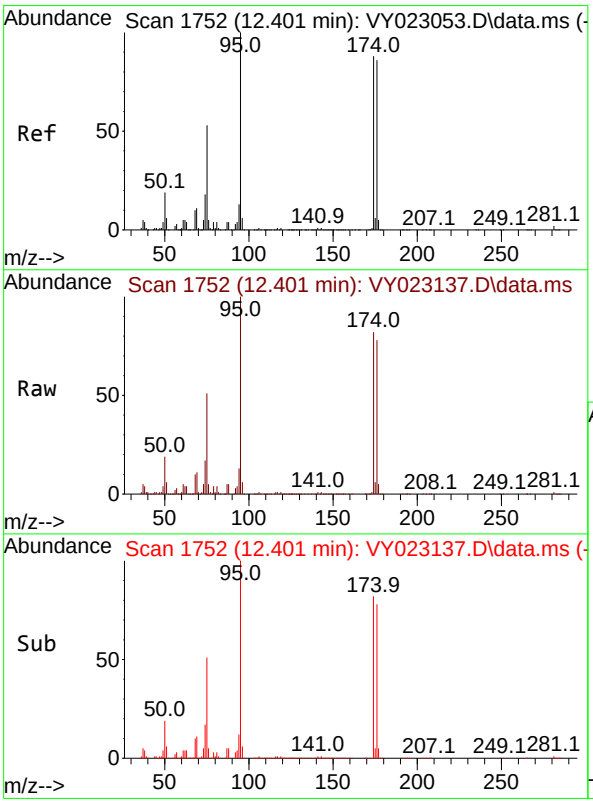
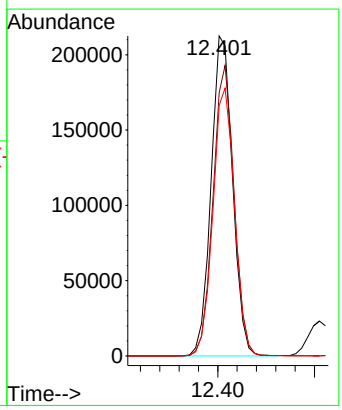


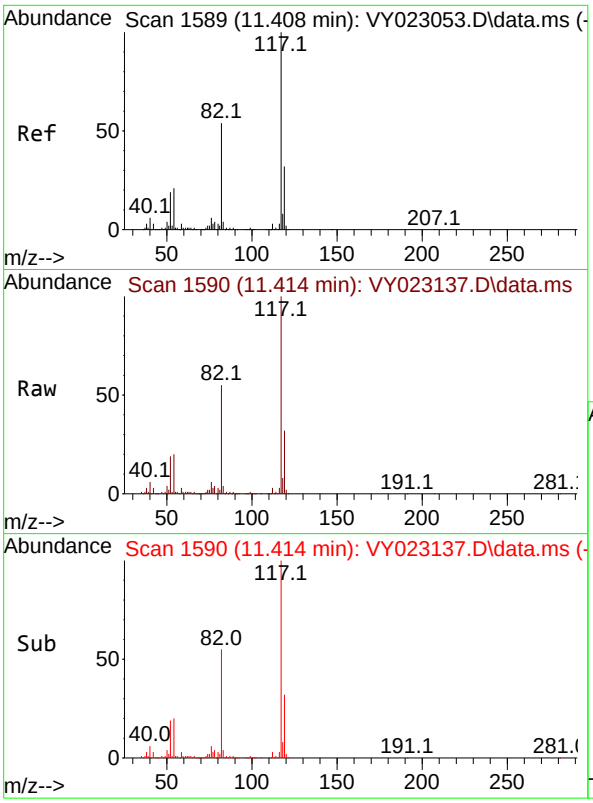


#62
4-Bromofluorobenzene
Concen: 49.618 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 95 Resp: 326827

Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	171.6
176	84.4	0.0	167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:117 Resp: 76178

Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	31.8	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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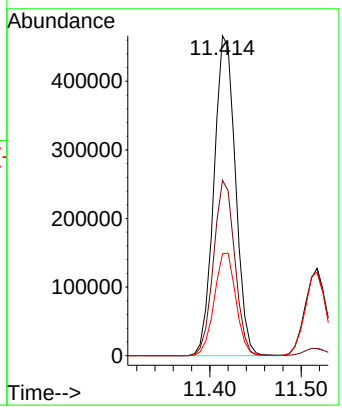
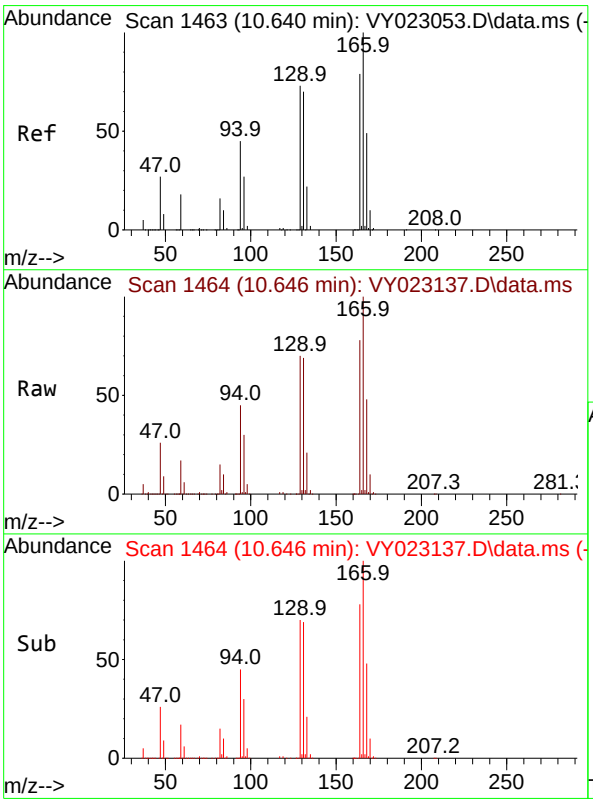
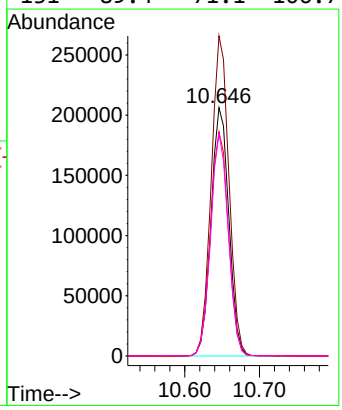


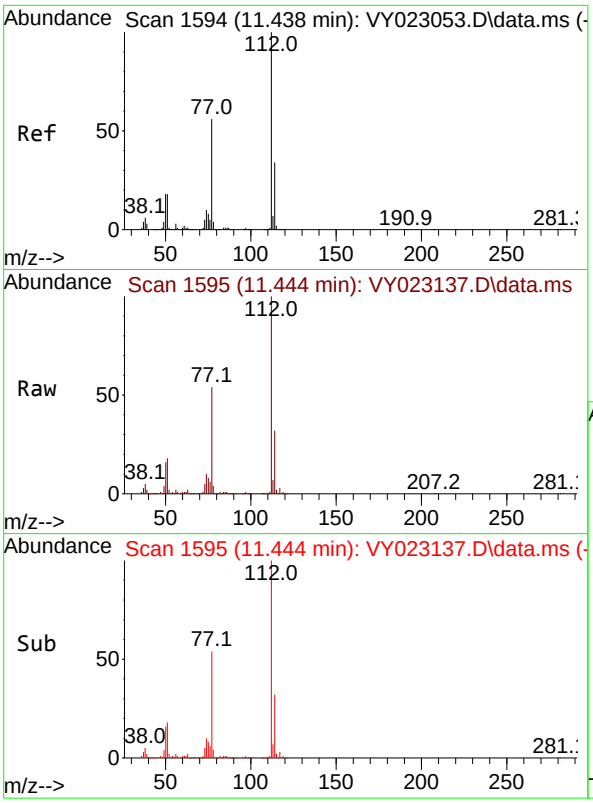


#64
Tetrachloroethene
Concen: 50.340 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:164 Resp: 342427

Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.1	151.7
129	90.3	74.0	111.0
131	89.4	71.1	106.7

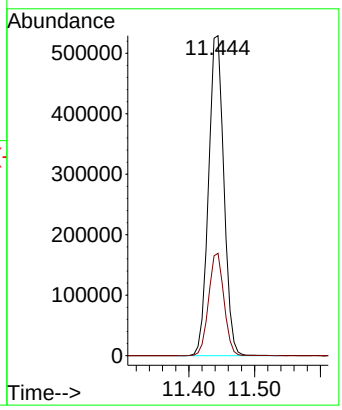




#65
Chlorobenzene
Concen: 52.238 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:112 Resp: 85836

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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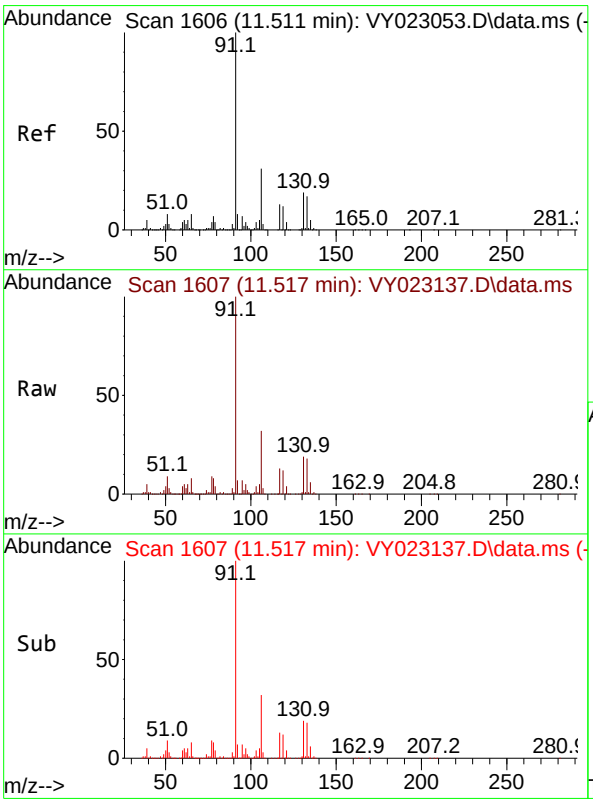
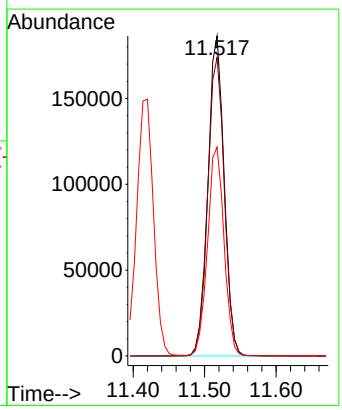
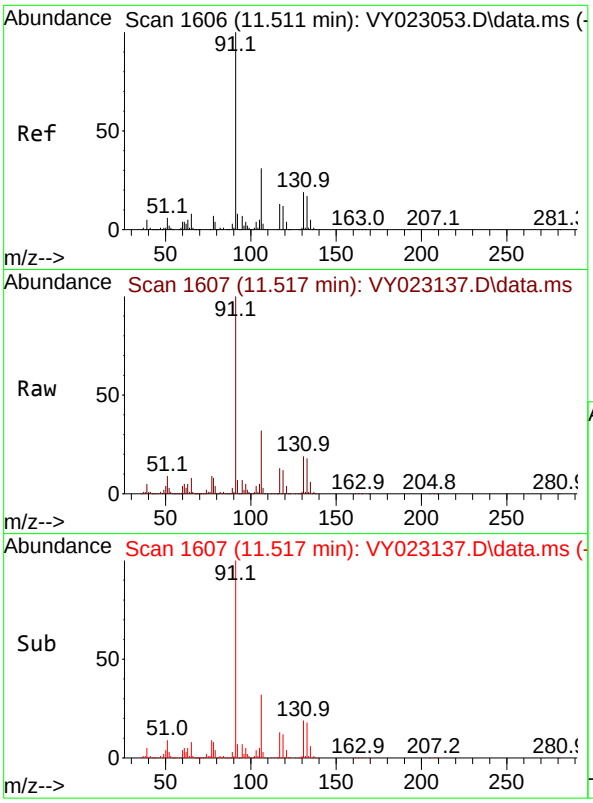


#66
1,1,1,2-Tetrachloroethane
Concen: 52.900 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:131 Resp: 295011

Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.9	140.6
119	66.2	33.2	99.6

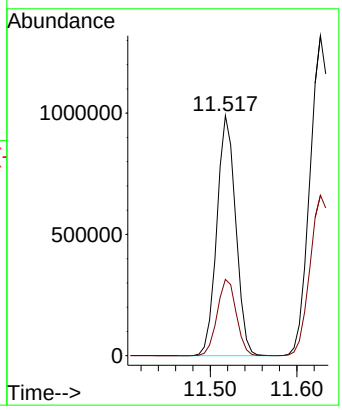




#67
Ethyl Benzene
Concen: 52.850 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 149446

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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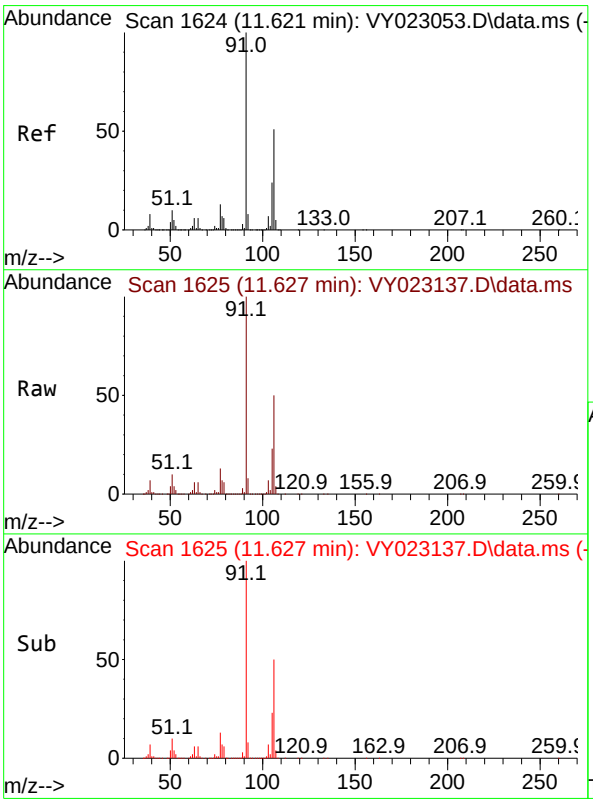
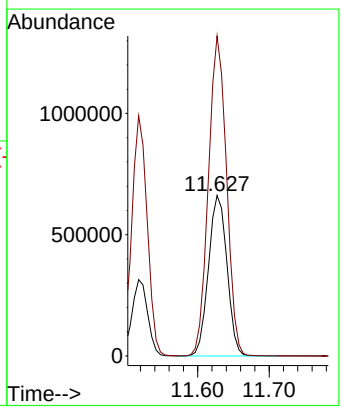
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

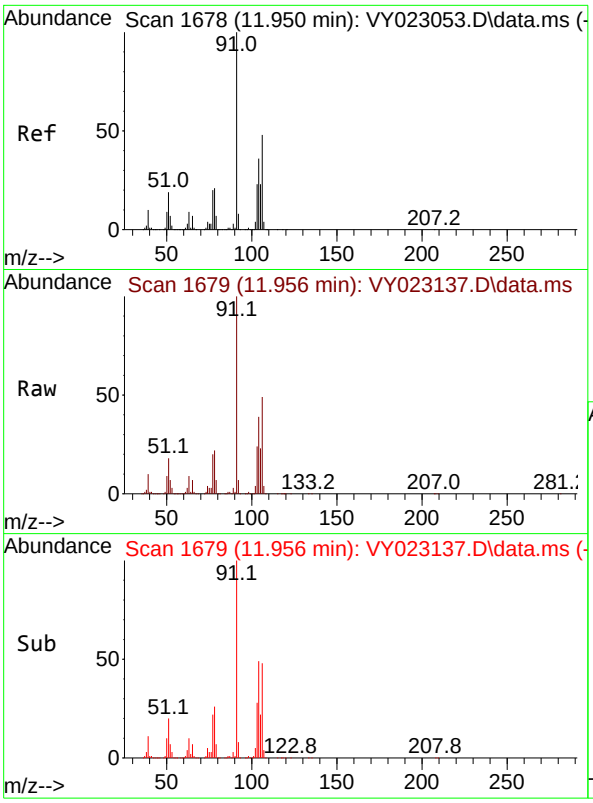


#68
m/p-Xylenes
Concen: 107.397 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:106 Resp: 1186104

Ion	Ratio	Lower	Upper
106	100		
91	195.6	158.6	238.0

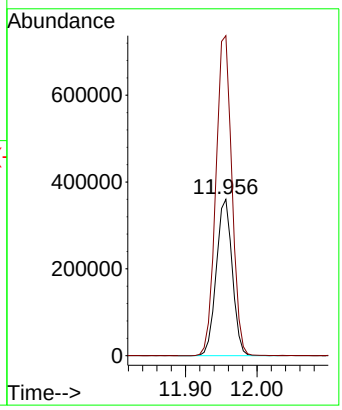




#69
o-Xylene
Concen: 53.940 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:106 Resp: 55795

Ion	Ratio	Lower	Upper
106	100		
91	205.8	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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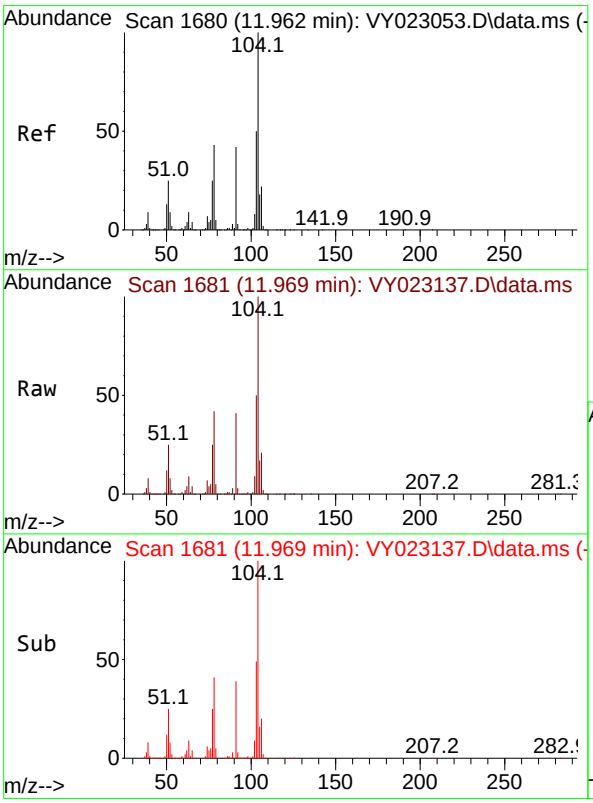
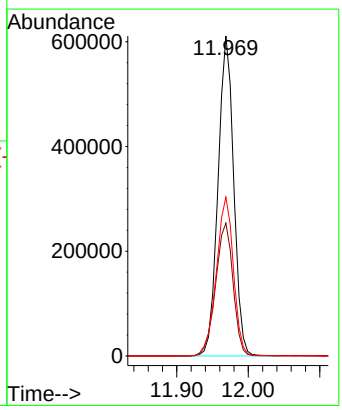
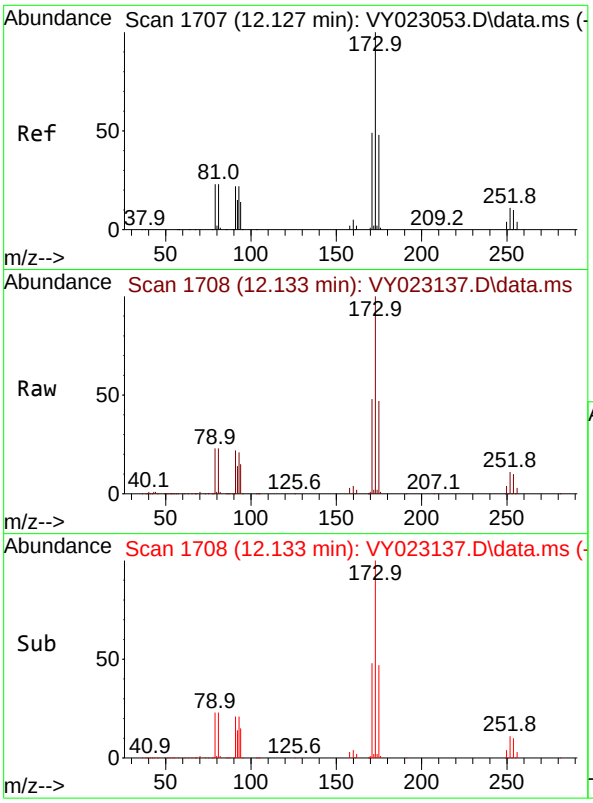


#70
Styrene
Concen: 55.007 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:104 Resp: 930498

Ion	Ratio	Lower	Upper
104	100		
78	46.3	38.5	57.7
103	54.0	43.7	65.5

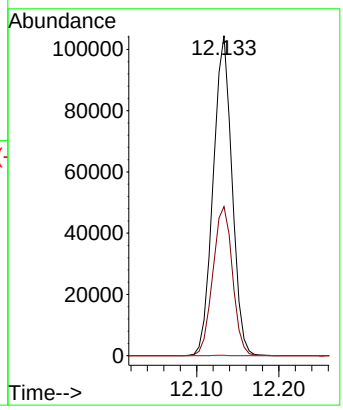




#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:173 Resp: 16629

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.1	0.1	0.1



Instrument :
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ClientSampleId :
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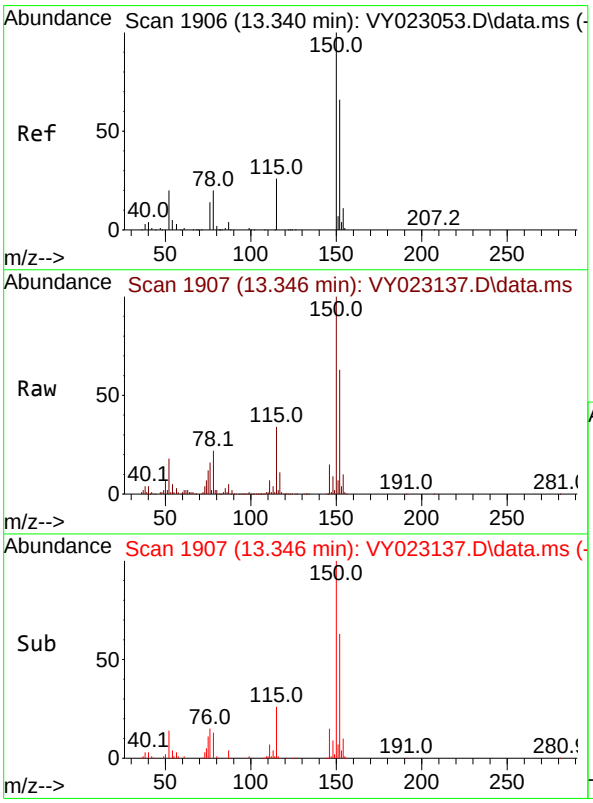
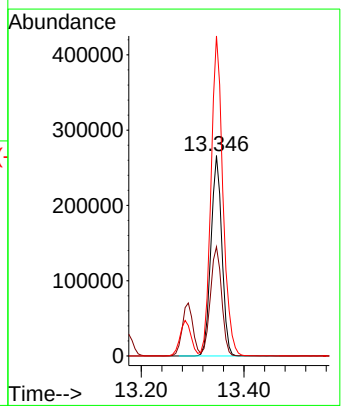
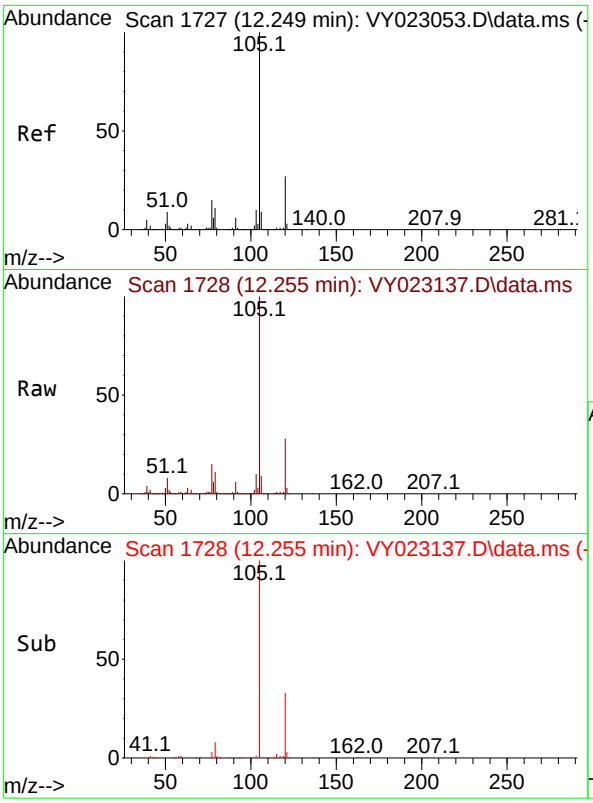


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:152 Resp: 392533

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	173.7	0.0	348.0

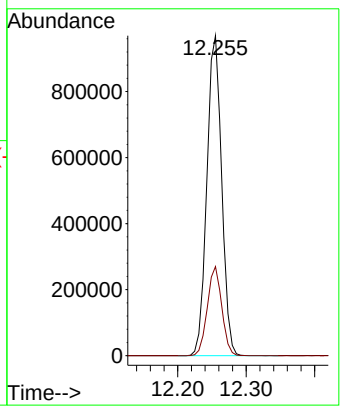




#73
Isopropylbenzene
Concen: 52.528 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 145526

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.4	40.2



Instrument :
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ClientSampleId :
VSTDCCC050

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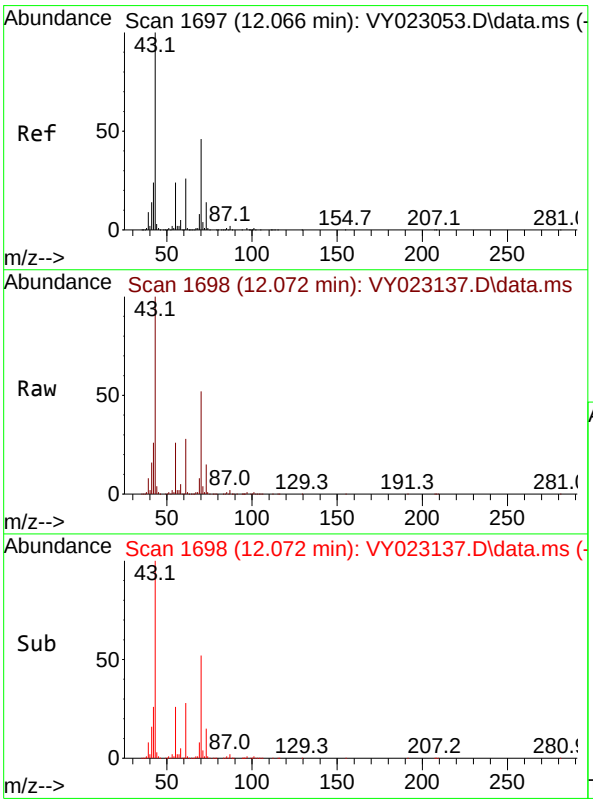
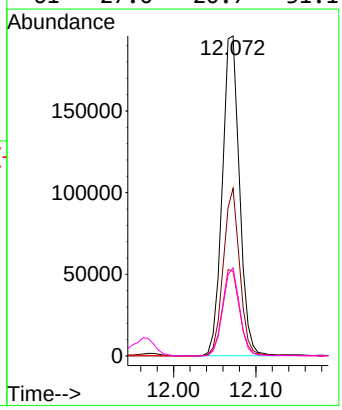
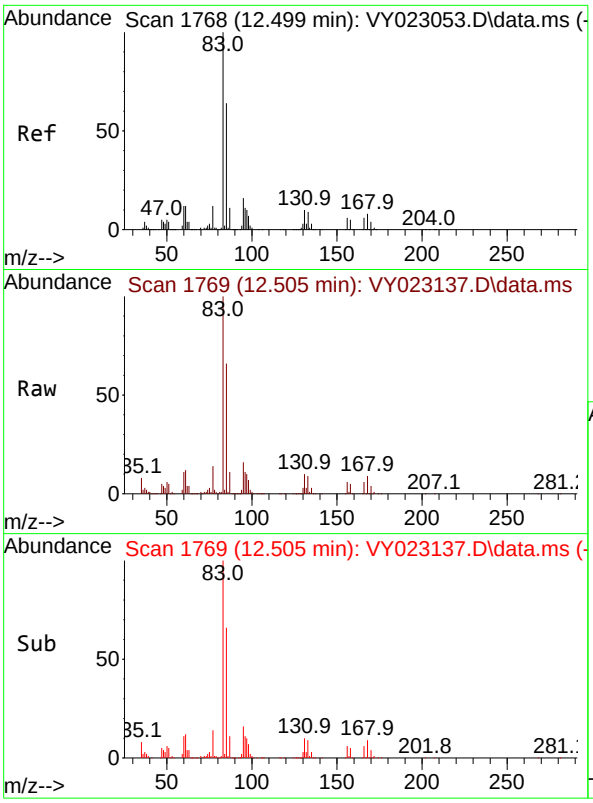


#74
N-amyl acetate
Concen: 48.584 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 285441

Ion	Ratio	Lower	Upper
43	100		
70	49.8	37.5	56.3
55	27.3	20.7	31.1
61	27.0	20.7	31.1

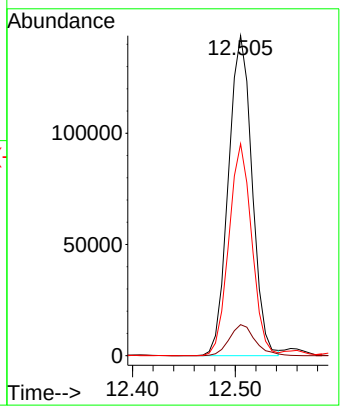




#75
1,1,2,2-Tetrachloroethane
Concen: 48.639 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 83 Resp: 23008

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	64.3	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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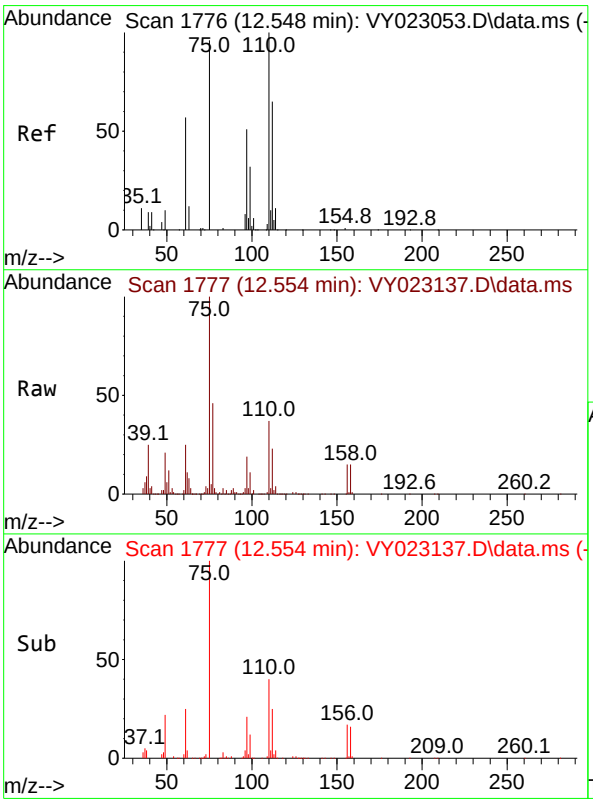
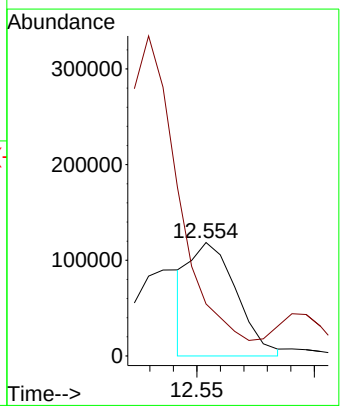
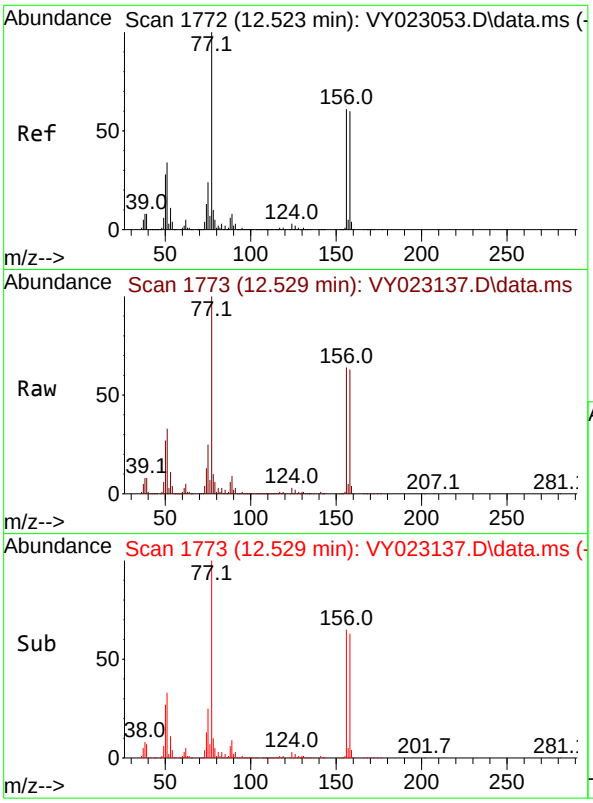


#76
1,2,3-Trichloropropane
Concen: 43.632 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 165292

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

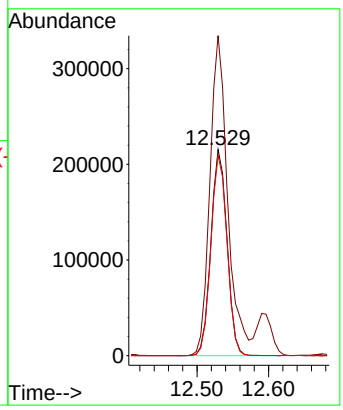




#77
Bromobenzene
Concen: 50.968 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:156 Resp: 33687

Ion	Ratio	Lower	Upper
156	100		
77	170.5	88.1	264.4
158	97.2	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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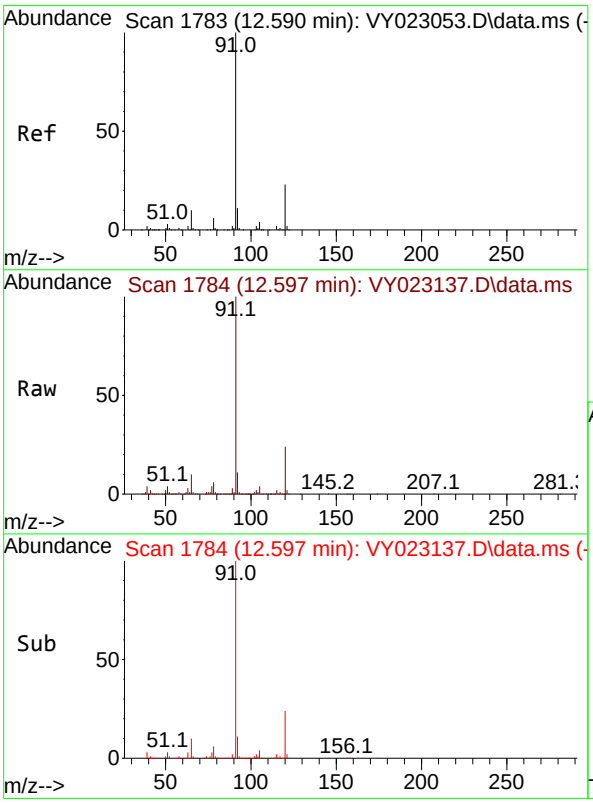
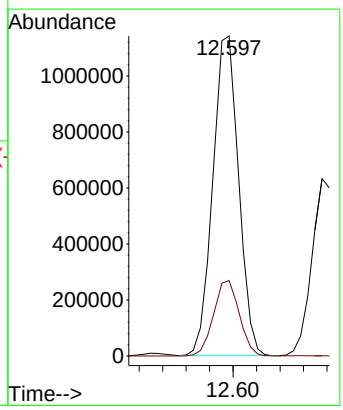
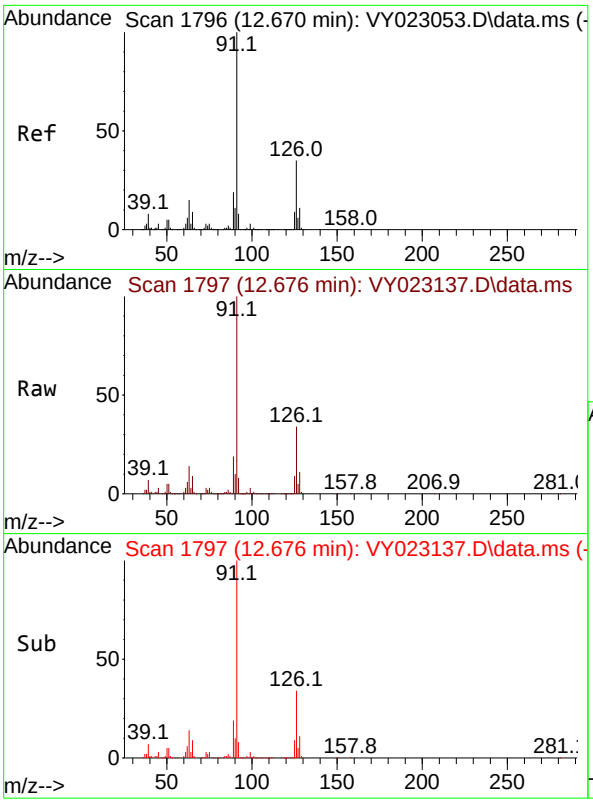


#78
n-propylbenzene
Concen: 52.806 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 1741756

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5

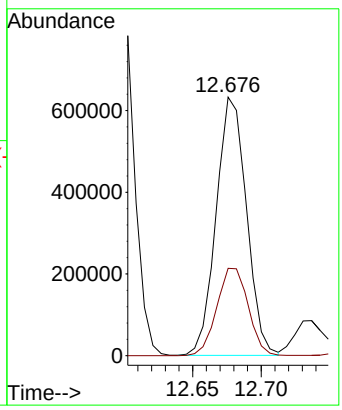




#79
2-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 97505

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3



Instrument :
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ClientSampleId :
VSTDCCC050

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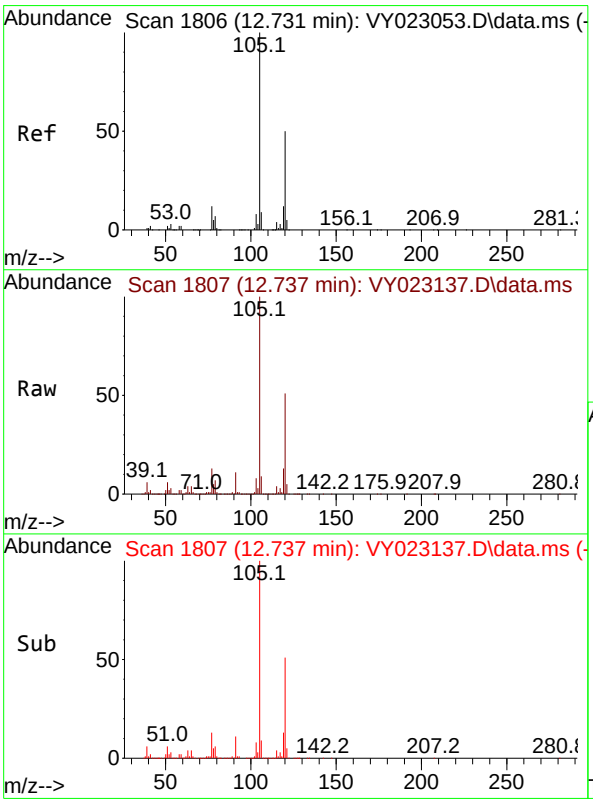
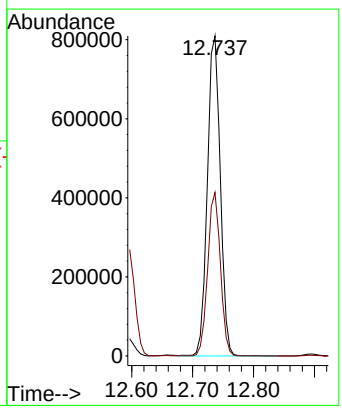
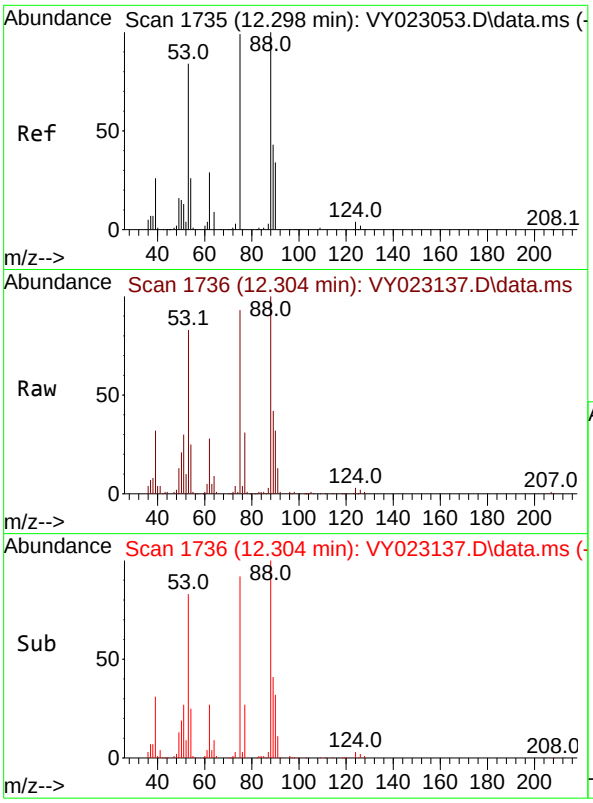


#80
1,3,5-Trimethylbenzene
Concen: 53.229 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 1191826

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 49.570 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 7757

Ion	Ratio	Lower	Upper
75	100		
53	89.8	70.8	106.2
89	45.4	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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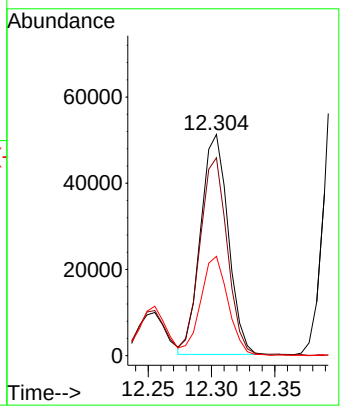
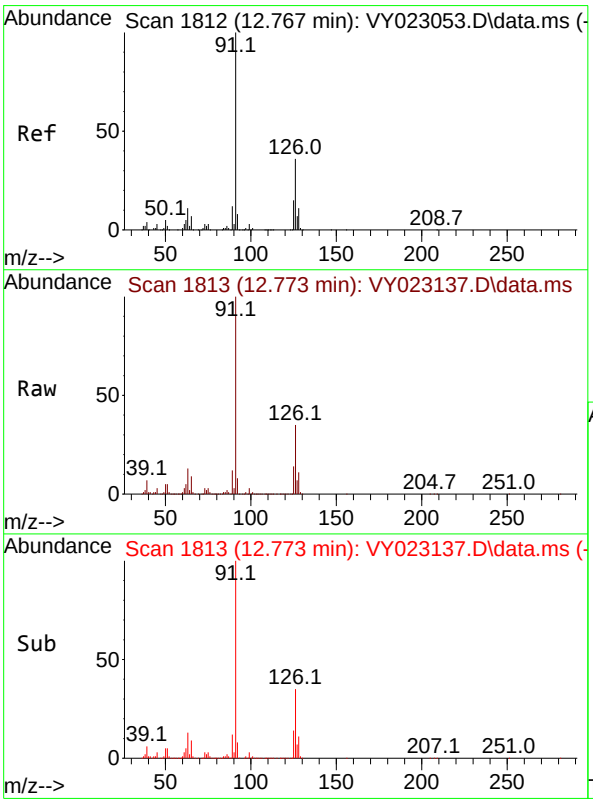
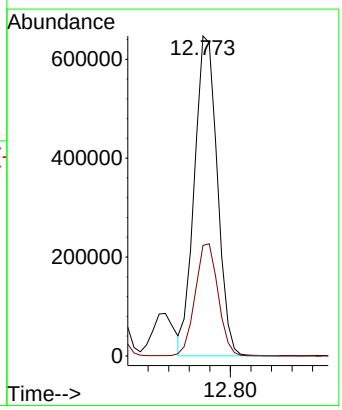


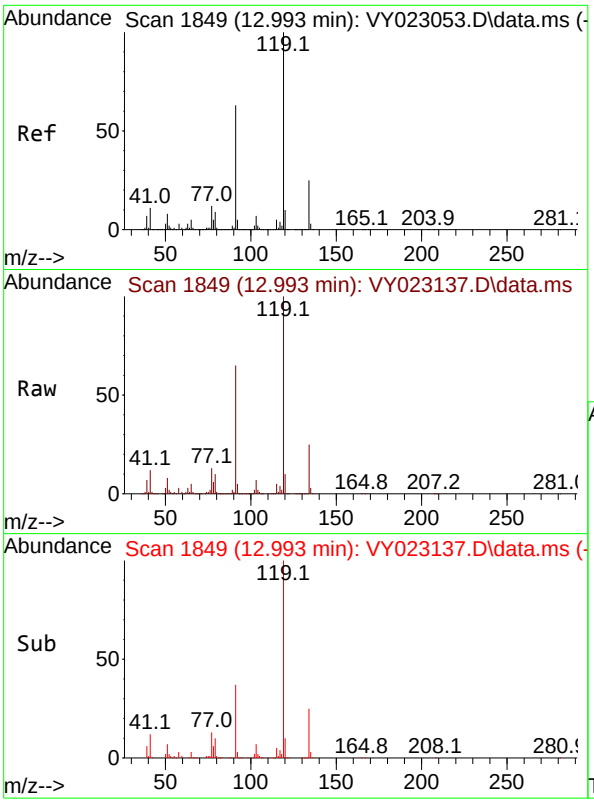


#82
4-Chlorotoluene
Concen: 51.036 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 1000547

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0

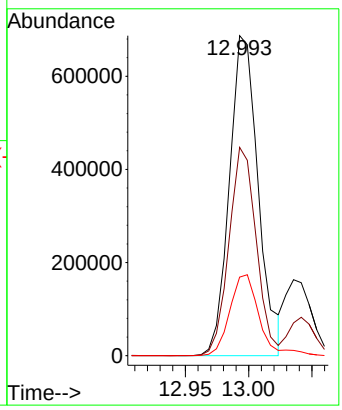




#83
tert-Butylbenzene
Concen: 53.956 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:119 Resp: 109112

Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.6	94.8
134	25.9	12.9	38.7



Instrument :
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ClientSampleId :
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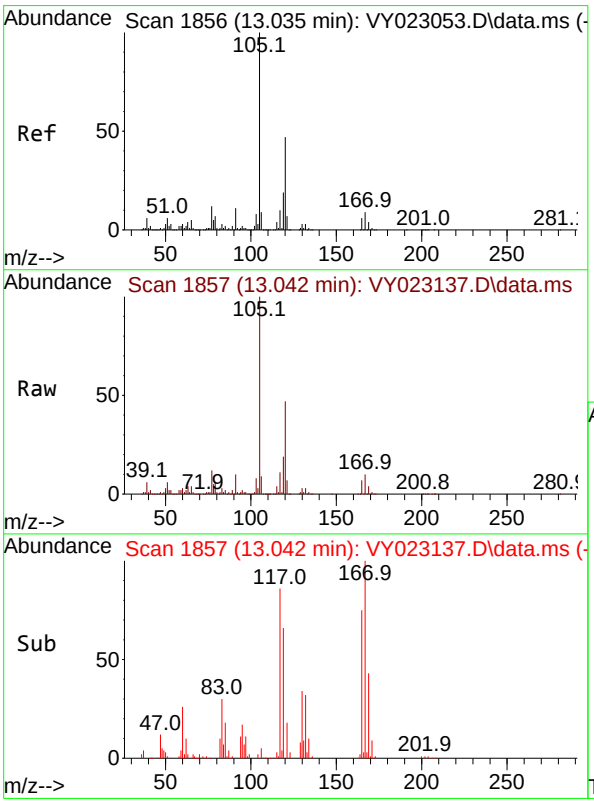
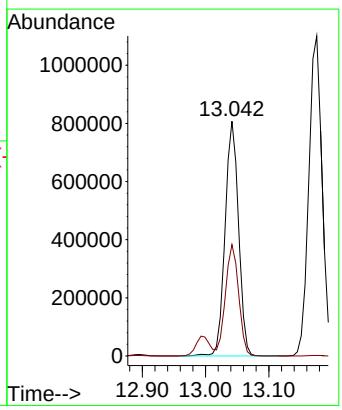
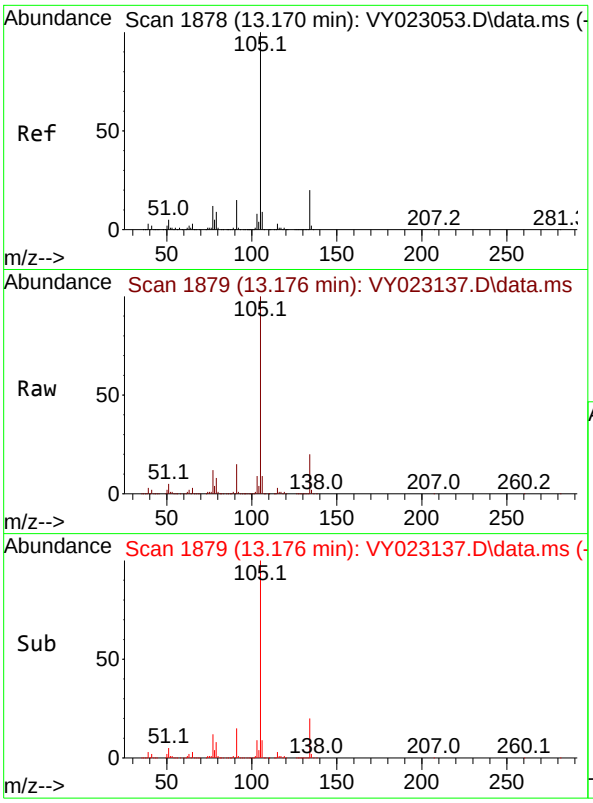


#84
1,2,4-Trimethylbenzene
Concen: 53.459 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 1191535

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0

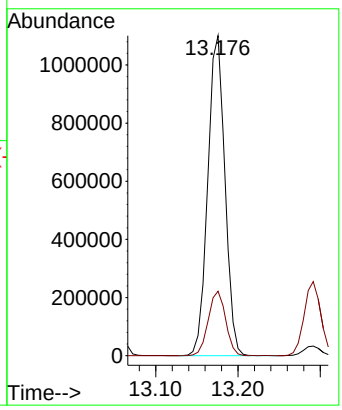




#85
sec-Butylbenzene
Concen: 53.673 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 159442

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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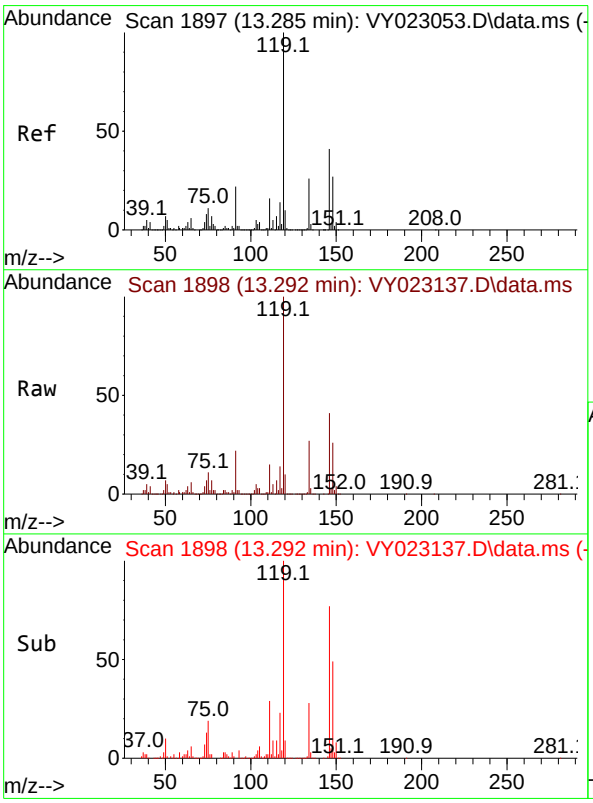
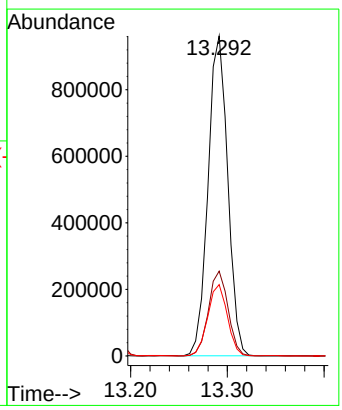
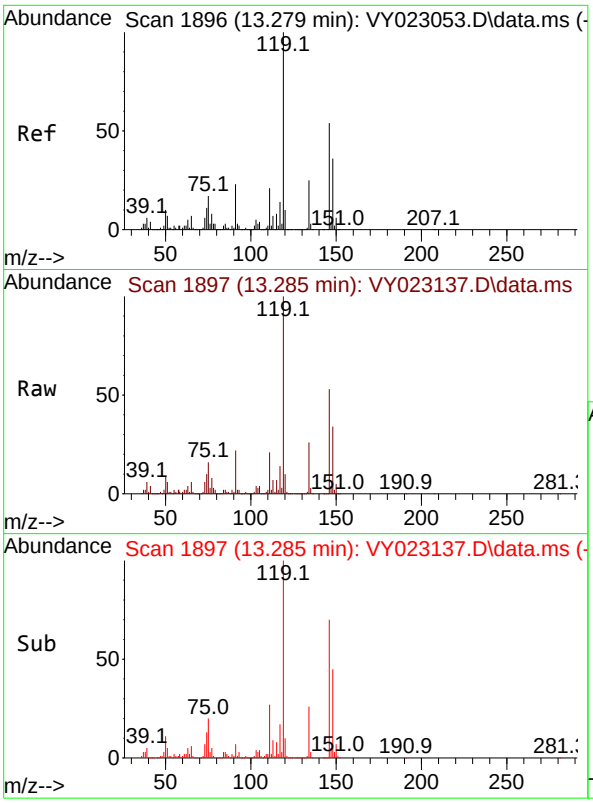


#86
p-Isopropyltoluene
Concen: 55.063 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:119 Resp: 1357746

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	22.2	11.3	33.8

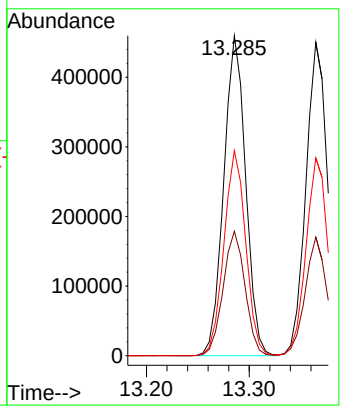




#87
1,3-Dichlorobenzene
Concen: 52.231 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:146 Resp: 68078

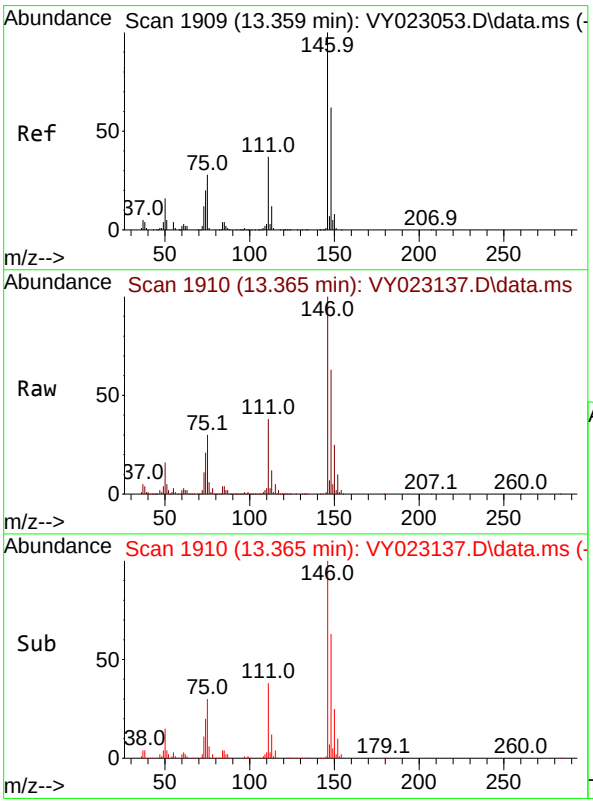
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.7	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

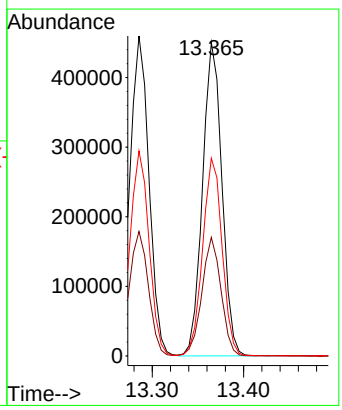
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

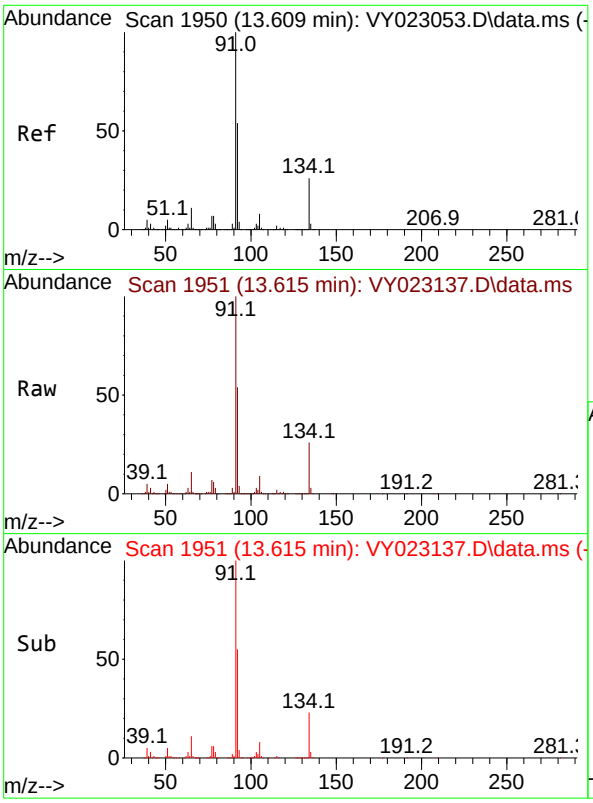


#88
1,4-Dichlorobenzene
Concen: 51.281 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:146 Resp: 663039

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	63.4	31.6	94.7

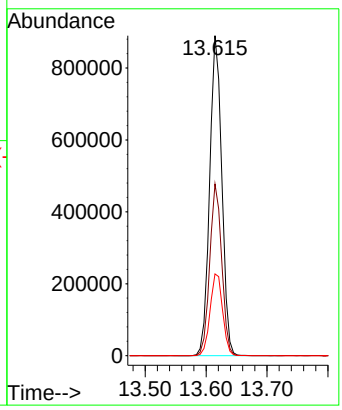




#89
n-Butylbenzene
Concen: 54.384 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 123164

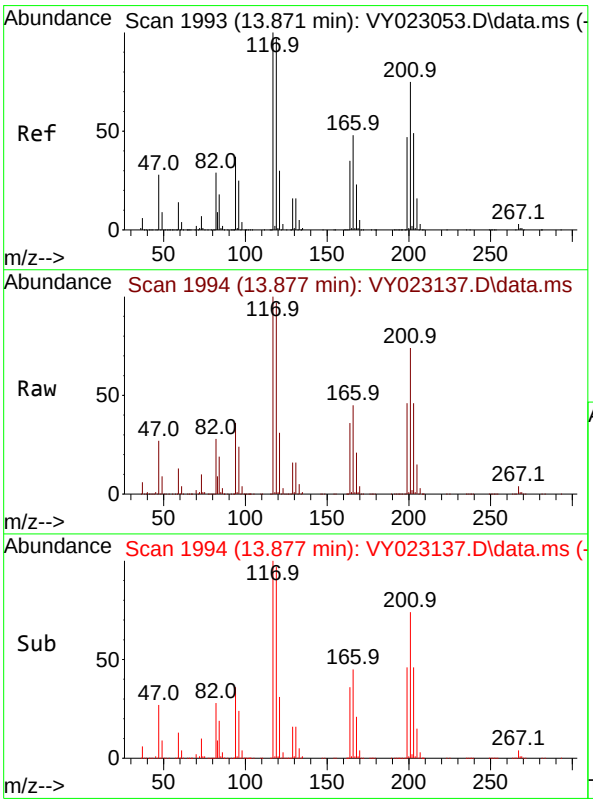
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

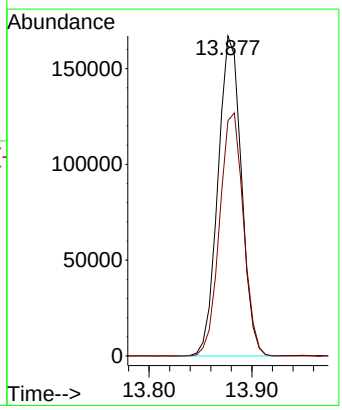
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

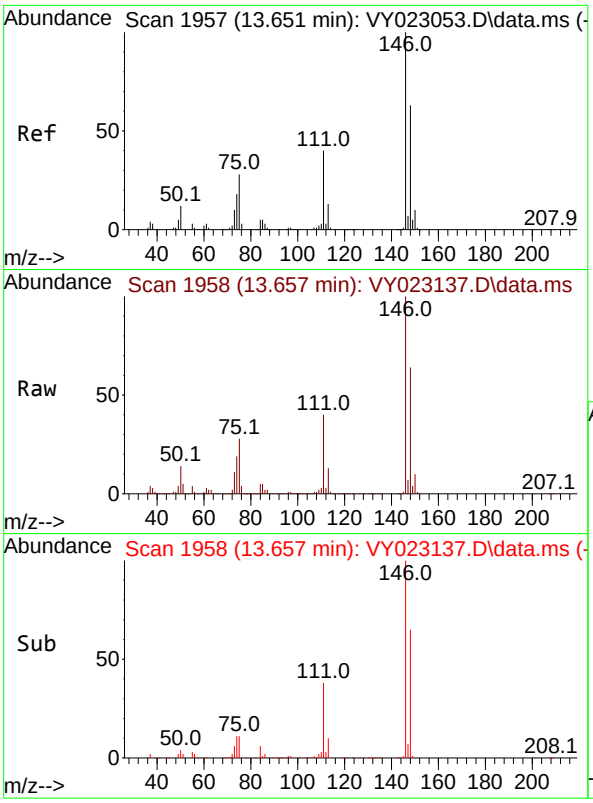


#90
Hexachloroethane
Concen: 52.354 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:117 Resp: 264268

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.1

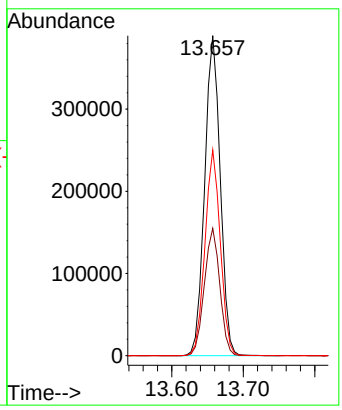




#91
1,2-Dichlorobenzene
Concen: 51.489 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:146 Resp: 58857

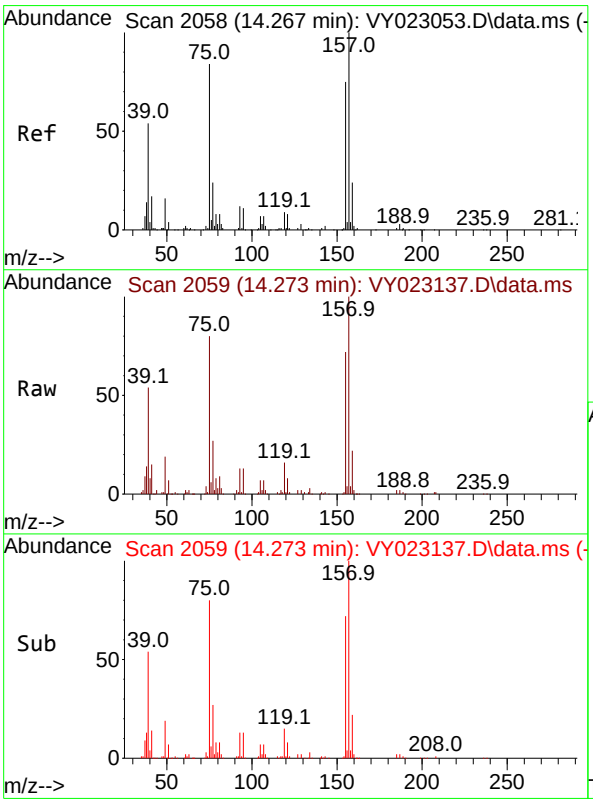
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	63.3	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

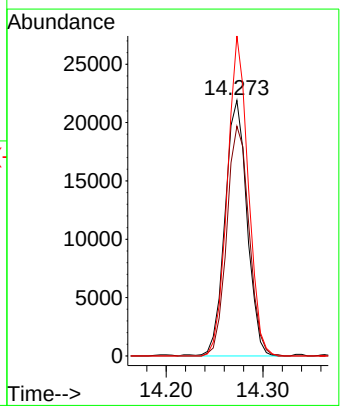
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

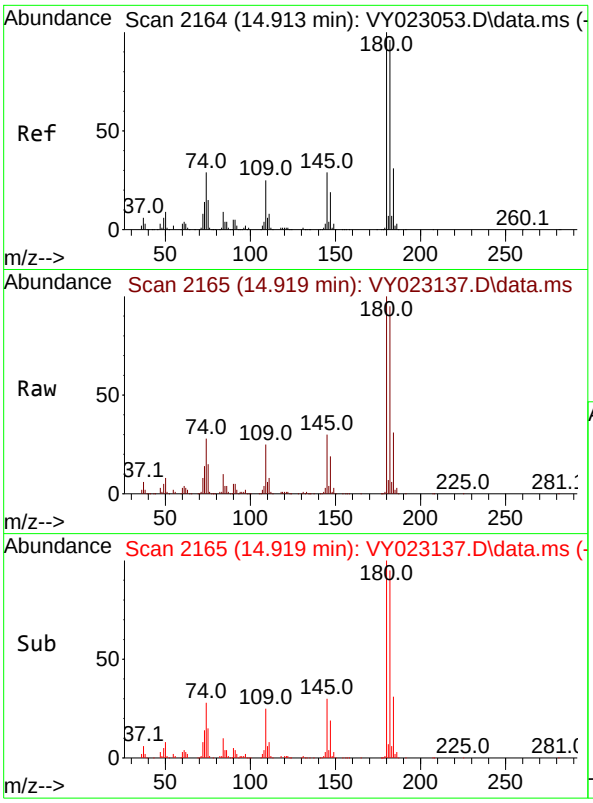


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.081 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 34676

Ion	Ratio	Lower	Upper
75	100		
155	90.7	43.9	131.6
157	118.4	57.2	171.6

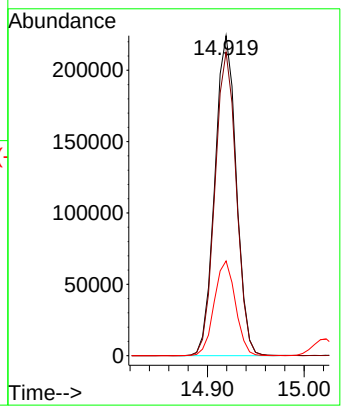




#93
1,2,4-Trichlorobenzene
Concen: 51.158 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:180 Resp: 34581

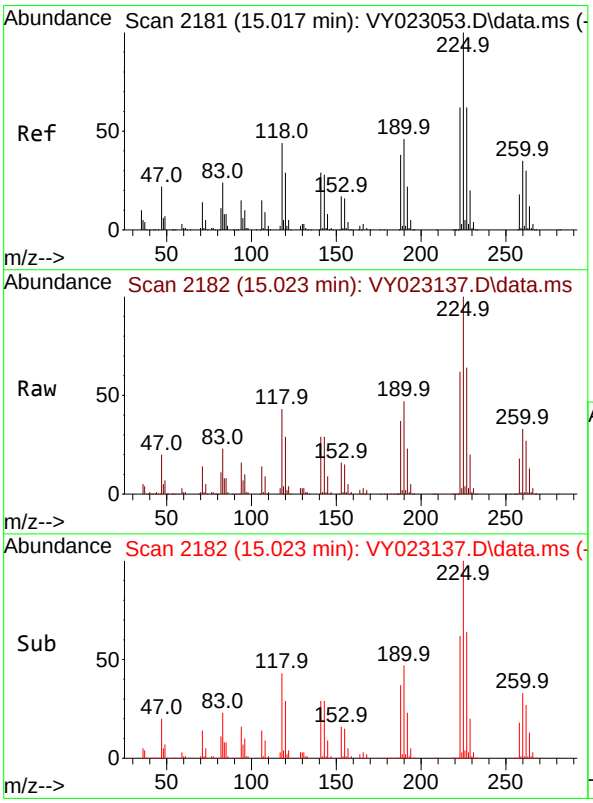
Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.4
145	29.3	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

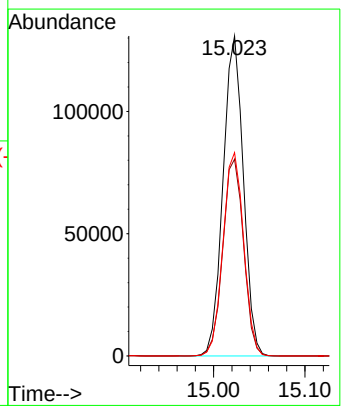
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

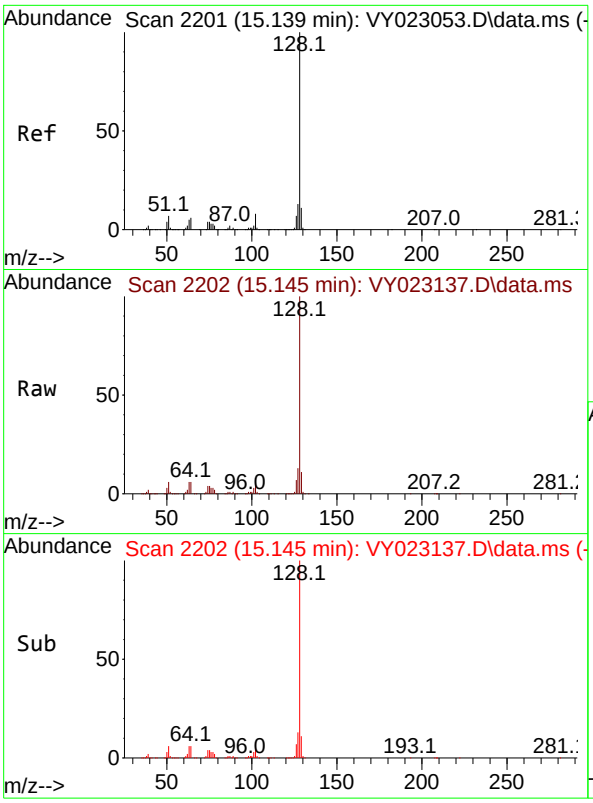


#94
Hexachlorobutadiene
Concen: 50.885 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:225 Resp: 202124

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	64.8	31.5	94.5

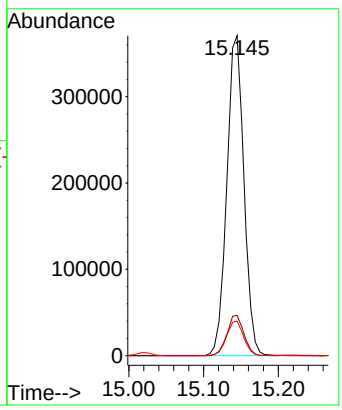




#95
Naphthalene
Concen: 51.208 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:128 Resp: 59025

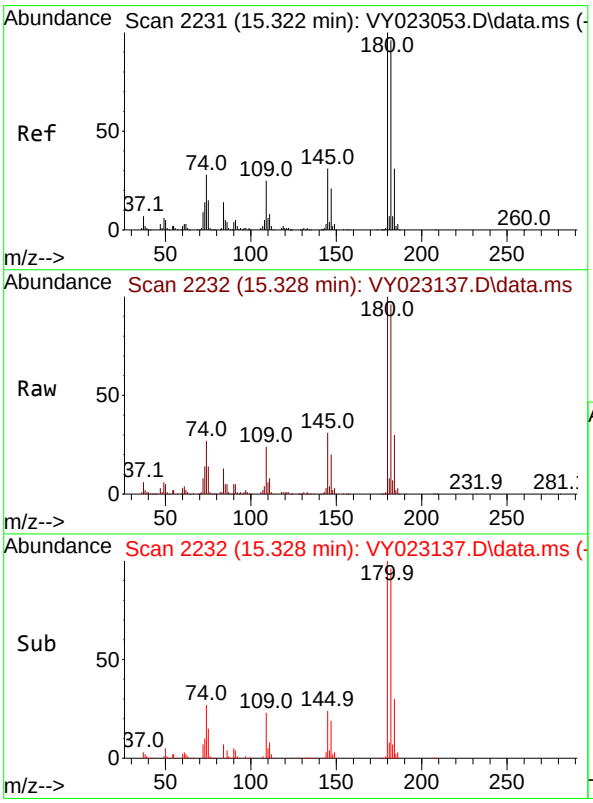
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.9	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

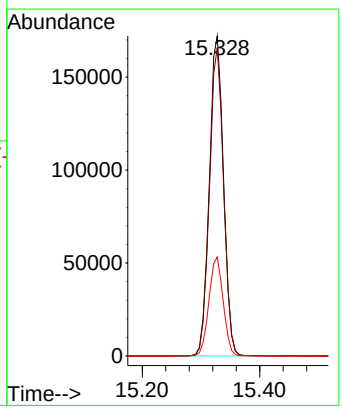
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.517 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:180 Resp: 288433

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.1	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	104	0.00
2	T	Dichlorodifluoromethane	0.408	0.339	16.9	101	0.00
3	P	Chloromethane	0.661	0.565	14.5	97	0.00
4	C	Vinyl Chloride	0.817	0.743	9.1#	100	0.01
5	T	Bromomethane	0.610	0.580	4.9	111	0.00
6	T	Chloroethane	0.543	0.507	6.6	102	0.01
7	T	Trichlorofluoromethane	0.994	0.908	8.7	101	0.00
8	T	Diethyl Ether	0.263	0.242	8.0	100	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.476	2.9	107	0.01
10	T	Methyl Iodide	0.529	0.581	-9.8	110	0.01
11	T	Tert butyl alcohol	0.033	0.028	15.2	93	0.00
12	CM	1,1-Dichloroethene	0.482	0.477	1.0#	107	0.01
13	T	Acrolein	0.048	0.022	54.2#	50	0.00
14	T	Allyl chloride	0.709	0.646	8.9	98	0.00
15	T	Acrylonitrile	0.107	0.100	6.5	98	0.01
16	T	Acetone	0.103	0.113	-9.7	114	0.00
17	T	Carbon Disulfide	1.571	1.449	7.8	101	0.01
18	T	Methyl Acetate	0.307	0.263	14.3	85	0.00
19	T	Methyl tert-butyl Ether	1.249	1.212	3.0	102	0.01
20	T	Methylene Chloride	0.620	0.513	17.3	105	0.01
21	T	trans-1,2-Dichloroethene	0.541	0.535	1.1	106	0.01
22	T	Diisopropyl ether	1.541	1.473	4.4	101	0.00
23	T	Vinyl Acetate	0.852	0.820	3.8	101	0.01
24	P	1,1-Dichloroethane	0.942	0.908	3.6	103	0.01
25	T	2-Butanone	0.140	0.137	2.1	100	0.01
26	T	2,2-Dichloropropane	0.813	0.836	-2.8	110	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.626	0.0	107	0.00
28	T	Bromochloromethane	0.374	0.333	11.0	95	0.00
29	T	Tetrahydrofuran	0.087	0.079	9.2	94	0.00
30	C	Chloroform	0.971	0.958	1.3#	105	0.00
31	T	Cyclohexane	0.888	0.821	7.5	105	0.00
32	T	1,1,1-Trichloroethane	0.862	0.864	-0.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.431	9.6	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.299	0.292	2.3	102	0.00
36	T	1,1-Dichloropropene	0.445	0.452	-1.6	107	0.00
37	T	Ethyl Acetate	0.187	0.179	4.3	98	0.00
38	T	Carbon Tetrachloride	0.483	0.498	-3.1	109	0.00
39	T	Methylcyclohexane	0.586	0.607	-3.6	110	0.00
40	TM	Benzene	1.370	1.381	-0.8	106	0.00
41	T	Methacrylonitrile	0.108	0.101	6.5	94	0.00
42	TM	1,2-Dichloroethane	0.356	0.342	3.9	101	0.00
43	T	Isopropyl Acetate	0.378	0.353	6.6	97	0.00
44	TM	Trichloroethene	0.354	0.365	-3.1	109	0.00
45	C	1,2-Dichloropropane	0.315	0.316	-0.3#	105	0.00
46	T	Dibromomethane	0.181	0.180	0.6	103	0.00
47	T	Bromodichloromethane	0.466	0.464	0.4	103	0.00
48	T	Methyl methacrylate	0.181	0.174	3.9	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	96	0.00
50	S	Toluene-d8	1.169	1.150	1.6	103	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.188	3.6	96	0.00
52	CM	Toluene	0.870	0.899	-3.3#	107	0.00
53	T	t-1,3-Dichloropropene	0.422	0.431	-2.1	105	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.504	-1.0	104	0.00
55	T	1,1,2-Trichloroethane	0.242	0.243	-0.4	104	0.00
56	T	Ethyl methacrylate	0.310	0.315	-1.6	101	0.00
57	T	1,3-Dichloropropane	0.411	0.405	1.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.142	2.7	94	0.00
59	T	2-Hexanone	0.133	0.135	-1.5	101	0.00
60	T	Dibromochloromethane	0.320	0.326	-1.9	105	0.00
61	T	1,2-Dibromoethane	0.228	0.229	-0.4	104	0.01
62	S	4-Bromofluorobenzene	0.376	0.373	0.8	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.446	0.450	-0.9	105	0.00
65	PM	Chlorobenzene	1.079	1.127	-4.4	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.387	-5.7	109	0.00
67	C	Ethyl Benzene	1.856	1.962	-5.7#	107	0.00
68	T	m/p-Xylenes	0.725	0.779	-7.4	110	0.00
69	T	o-Xylene	0.679	0.732	-7.8	108	0.00
70	T	Styrene	1.110	1.221	-10.0	110	0.00
71	P	Bromoform	0.214	0.218	-1.9	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.529	3.707	-5.0	110	0.00
74	T	N-amyl acetate	0.748	0.727	2.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.586	2.8	104	0.00
76	T	1,2,3-Trichloropropane	0.483	0.421	12.8	82	0.00
77	T	Bromobenzene	0.842	0.858	-1.9	108	0.00
78	T	n-propylbenzene	4.201	4.437	-5.6	109	0.00
79	T	2-Chlorotoluene	2.407	2.484	-3.2	108	0.00
80	T	1,3,5-Trimethylbenzene	2.852	3.036	-6.5	110	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.198	0.5	104	0.00
82	T	4-Chlorotoluene	2.497	2.549	-2.1	108	0.00
83	T	tert-Butylbenzene	2.576	2.780	-7.9	112	0.00
84	T	1,2,4-Trimethylbenzene	2.839	3.036	-6.9	111	0.00
85	T	sec-Butylbenzene	3.784	4.062	-7.3	112	0.00
86	T	p-Isopropyltoluene	3.141	3.459	-10.1	113	0.00
87	T	1,3-Dichlorobenzene	1.660	1.734	-4.5	112	0.00
88	T	1,4-Dichlorobenzene	1.647	1.689	-2.6	110	0.00
89	T	n-Butylbenzene	2.885	3.138	-8.8	112	0.00
90	T	Hexachloroethane	0.643	0.673	-4.7	111	0.00
91	T	1,2-Dichlorobenzene	1.456	1.499	-3.0	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.088	6.4	97	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.881	-2.3	108	0.00
94	T	Hexachlorobutadiene	0.506	0.515	-1.8	109	0.00
95	T	Naphthalene	1.468	1.504	-2.5	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.735	0.9	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	41.557	16.9	101	0.00
3	P	Chloromethane	50.000	42.705	14.6	97	0.00
4	C	Vinyl Chloride	50.000	45.491	9.0#	100	0.01
5	T	Bromomethane	50.000	47.481	5.0	111	0.00
6	T	Chloroethane	50.000	46.683	6.6	102	0.01
7	T	Trichlorofluoromethane	50.000	45.708	8.6	101	0.00
8	T	Diethyl Ether	50.000	46.102	7.8	100	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.569	2.9	107	0.01
10	T	Methyl Iodide	50.000	54.916	-9.8	110	0.01
11	T	Tert butyl alcohol	250.000	218.191	12.7	93	0.00
12	CM	1,1-Dichloroethene	50.000	49.491	1.0#	107	0.01
13	T	Acrolein	250.000	113.207	54.7#	50	0.00
14	T	Allyl chloride	50.000	45.563	8.9	98	0.00
15	T	Acrylonitrile	250.000	233.725	6.5	98	0.01
16	T	Acetone	250.000	273.812	-9.5	114	0.00
17	T	Carbon Disulfide	50.000	46.117	7.8	101	0.01
18	T	Methyl Acetate	50.000	42.821	14.4	85	0.00
19	T	Methyl tert-butyl Ether	50.000	48.545	2.9	102	0.01
20	T	Methylene Chloride	50.000	47.727	4.5	105	0.01
21	T	trans-1,2-Dichloroethene	50.000	49.404	1.2	106	0.01
22	T	Diisopropyl ether	50.000	47.793	4.4	101	0.00
23	T	Vinyl Acetate	250.000	240.761	3.7	101	0.01
24	P	1,1-Dichloroethane	50.000	48.199	3.6	103	0.01
25	T	2-Butanone	250.000	244.351	2.3	100	0.01
26	T	2,2-Dichloropropane	50.000	51.414	-2.8	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.042	-0.1	107	0.00
28	T	Bromochloromethane	50.000	44.509	11.0	95	0.00
29	T	Tetrahydrofuran	250.000	226.737	9.3	94	0.00
30	C	Chloroform	50.000	49.287	1.4#	105	0.00
31	T	Cyclohexane	50.000	46.269	7.5	105	0.00
32	T	1,1,1-Trichloroethane	50.000	50.106	-0.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.256	9.5	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	48.854	2.3	102	0.00
36	T	1,1-Dichloropropene	50.000	50.818	-1.6	107	0.00
37	T	Ethyl Acetate	50.000	48.006	4.0	98	0.00
38	T	Carbon Tetrachloride	50.000	51.581	-3.2	109	0.00
39	T	Methylcyclohexane	50.000	51.832	-3.7	110	0.00
40	TM	Benzene	50.000	50.401	-0.8	106	0.00
41	T	Methacrylonitrile	50.000	46.765	6.5	94	0.00
42	TM	1,2-Dichloroethane	50.000	48.044	3.9	101	0.00
43	T	Isopropyl Acetate	50.000	46.703	6.6	97	0.00
44	TM	Trichloroethene	50.000	51.463	-2.9	109	0.00
45	C	1,2-Dichloropropane	50.000	50.044	-0.1#	105	0.00
46	T	Dibromomethane	50.000	49.637	0.7	103	0.00
47	T	Bromodichloromethane	50.000	49.781	0.4	103	0.00
48	T	Methyl methacrylate	50.000	48.023	4.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	934.713	6.5	96	0.00
50	S	Toluene-d8	50.000	49.217	1.6	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	240.906	3.6	96	0.00
52	CM	Toluene	50.000	51.669	-3.3#	107	0.00
53	T	t-1,3-Dichloropropene	50.000	51.112	-2.2	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.516	-1.0	104	0.00
55	T	1,1,2-Trichloroethane	50.000	50.206	-0.4	104	0.00
56	T	Ethyl methacrylate	50.000	50.859	-1.7	101	0.00
57	T	1,3-Dichloropropane	50.000	49.273	1.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	242.835	2.9	94	0.00
59	T	2-Hexanone	250.000	254.865	-1.9	101	0.00
60	T	Dibromochloromethane	50.000	50.963	-1.9	105	0.00
61	T	1,2-Dibromoethane	50.000	50.411	-0.8	104	0.01
62	S	4-Bromofluorobenzene	50.000	49.618	0.8	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	50.340	-0.7	105	0.00
65	PM	Chlorobenzene	50.000	52.238	-4.5	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.900	-5.8	109	0.00
67	C	Ethyl Benzene	50.000	52.850	-5.7#	107	0.00
68	T	m/p-Xylenes	100.000	107.397	-7.4	110	0.00
69	T	o-Xylene	50.000	53.940	-7.9	108	0.00
70	T	Styrene	50.000	55.007	-10.0	110	0.00
71	P	Bromoform	50.000	51.022	-2.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	52.528	-5.1	110	0.00
74	T	N-amyl acetate	50.000	48.584	2.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.639	2.7	104	0.00
76	T	1,2,3-Trichloropropane	50.000	43.632	12.7	82	0.00
77	T	Bromobenzene	50.000	50.968	-1.9	108	0.00
78	T	n-propylbenzene	50.000	52.806	-5.6	109	0.00
79	T	2-Chlorotoluene	50.000	51.594	-3.2	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.229	-6.5	110	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.570	0.9	104	0.00
82	T	4-Chlorotoluene	50.000	51.036	-2.1	108	0.00
83	T	tert-Butylbenzene	50.000	53.956	-7.9	112	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.459	-6.9	111	0.00
85	T	sec-Butylbenzene	50.000	53.673	-7.3	112	0.00
86	T	p-Isopropyltoluene	50.000	55.063	-10.1	113	0.00
87	T	1,3-Dichlorobenzene	50.000	52.231	-4.5	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.281	-2.6	110	0.00
89	T	n-Butylbenzene	50.000	54.384	-8.8	112	0.00
90	T	Hexachloroethane	50.000	52.354	-4.7	111	0.00
91	T	1,2-Dichlorobenzene	50.000	51.489	-3.0	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.081	5.8	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.158	-2.3	108	0.00
94	T	Hexachlorobutadiene	50.000	50.885	-1.8	109	0.00
95	T	Naphthalene	50.000	51.208	-2.4	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.517	1.0	106	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: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2879
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/19/2025 19:08
Lab File ID: VY023160.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.320		-21.57	50
Chloromethane	0.661	0.610	0.1	-7.72	50
Vinyl Chloride	0.817	0.782		-4.28	50
Bromomethane	0.610	0.614		0.66	50
Chloroethane	0.543	0.553		1.84	50
Tetrahydrofuran	0.087	0.078		-10.35	50
Trichlorofluoromethane	0.994	0.893		-10.16	50
1,1,2-Trichlorotrifluoroethane	0.490	0.442		-9.8	50
1,1-Dichloroethene	0.482	0.454		-5.81	50
Acrylonitrile	0.107	0.101		-5.61	50
Acetone	0.103	0.077		-25.24	50
Carbon Disulfide	1.571	1.447		-7.89	50
Methyl tert-butyl Ether	1.249	1.186		-5.04	50
Methylene Chloride	0.620	0.539		-13.06	50
trans-1,2-Dichloroethene	0.541	0.543		0.37	50
1,1-Dichloroethane	0.942	0.933	0.1	-0.95	50
2-Butanone	0.140	0.118		-15.71	50
Carbon Tetrachloride	0.483	0.470		-2.69	50
2,2-Dichloropropane	0.813	0.727		-10.58	50
cis-1,2-Dichloroethene	0.626	0.631		0.8	50
Chloroform	0.971	0.985		1.44	50
1,1,1-Trichloroethane	0.862	0.852		-1.16	50
1,1-Dichloropropene	0.445	0.425		-4.49	50
Benzene	1.370	1.375		0.37	50
1,2-Dichloroethane	0.356	0.348		-2.25	50
Trichloroethene	0.354	0.367		3.67	50
1,2-Dichloropropane	0.315	0.314		-0.32	50
Dibromomethane	0.181	0.181		0	50
Bromodichloromethane	0.466	0.472		1.29	50
4-Methyl-2-Pentanone	0.195	0.181		-7.18	50
Toluene	0.870	0.891		2.41	50
t-1,3-Dichloropropene	0.422	0.407		-3.56	50
cis-1,3-Dichloropropene	0.499	0.486		-2.61	50
1,1,2-Trichloroethane	0.242	0.243		0.41	50
1,3-Dichloropropane	0.411	0.402		-2.19	50
2-Hexanone	0.133	0.120		-9.77	50
Dibromochloromethane	0.320	0.328		2.5	50
1,2-Dibromoethane	0.228	0.226		-0.88	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:	Alliance	Contract:	NOBI03
Lab Code:	ACE	SDG No.:	Q2879
Instrument ID:	MSVOA_Y	Calibration Date/Time:	08/19/2025 19:08
Lab File ID:	VY023160.D	Init. Calib. Date(s):	08/12/2025 08/12/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	14:54 16:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.446	0.501		12.33	50
Chlorobenzene	1.079	1.088	0.3	0.83	50
1,1,1,2-Tetrachloroethane	0.366	0.376		2.73	50
Ethyl Benzene	1.856	1.889		1.78	50
m/p-Xylenes	0.725	0.747		3.03	50
o-Xylene	0.679	0.703		3.54	50
Styrene	1.110	1.180		6.31	50
Bromoform	0.214	0.210	0.1	-1.87	50
Isopropylbenzene	3.529	3.482		-1.33	50
1,1,2,2-Tetrachloroethane	0.603	0.519	0.3	-13.93	50
1,2,3-Trichloropropane	0.483	0.467		-3.31	50
Bromobenzene	0.842	0.820		-2.61	50
n-propylbenzene	4.201	4.160		-0.98	50
2-Chlorotoluene	2.407	2.351		-2.33	50
1,3,5-Trimethylbenzene	2.852	2.862		0.35	50
4-Chlorotoluene	2.497	2.447		-2	50
tert-Butylbenzene	2.576	2.572		-0.16	50
1,2,4-Trimethylbenzene	2.839	2.868		1.02	50
sec-Butylbenzene	3.784	3.745		-1.03	50
p-Isopropyltoluene	3.141	3.194		1.69	50
1,3-Dichlorobenzene	1.660	1.648		-0.72	50
1,4-Dichlorobenzene	1.647	1.601		-2.79	50
n-Butylbenzene	2.885	2.870		-0.52	50
1,2-Dichlorobenzene	1.456	1.432		-1.65	50
1,2-Dibromo-3-Chloropropane	0.094	0.084		-10.64	50
1,2,4-Trichlorobenzene	0.861	0.784		-8.94	50
Hexachlorobutadiene	0.506	0.460		-9.09	50
1,2,3-Trichlorobenzene	0.742	0.672		-9.43	50
1,2-Dichloroethane-d4	0.477	0.470		-1.47	50
Dibromofluoromethane	0.299	0.299		0	50
Toluene-d8	1.169	1.189		1.71	50
4-Bromofluorobenzene	0.376	0.378		0.53	50
trans-1,4-Dichloro-2-butene	0.199	0.172		-13.57	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\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	453917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	726912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	647238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	333557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213375	49.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.640%			
35) Dibromofluoromethane	7.634	113	217058	49.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.800%			
50) Toluene-d8	10.103	98	864097	50.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.401	95	274917	50.308	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	145094	39.160	ug/l	98
3) Chloromethane	2.068	50	276875	46.137	ug/l	97
4) Vinyl Chloride	2.202	62	354948	47.848	ug/l	100
5) Bromomethane	2.592	94	278901	50.342	ug/l	100
6) Chloroethane	2.732	64	250831	50.860	ug/l	100
7) Trichlorofluoromethane	3.049	101	405455	44.950	ug/l	99
8) Diethyl Ether	3.452	74	111202	46.597	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	200633	45.085	ug/l	99
10) Methyl Iodide	4.001	142	263764	54.928	ug/l	98
11) Tert butyl alcohol	4.860	59	62641	211.323	ug/l	100
12) 1,1-Dichloroethene	3.787	96	206109	47.120	ug/l	97
13) Acrolein	3.647	56	48005	110.581	ug/l	97
14) Allyl chloride	4.378	41	288345	44.800	ug/l	97
15) Acrylonitrile	5.049	53	228651	235.673	ug/l	98
16) Acetone	3.866	43	175331	187.073	ug/l	97
17) Carbon Disulfide	4.104	76	657020	46.066	ug/l	100
18) Methyl Acetate	4.385	43	140261	50.290	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	538168	47.480	ug/l	99
20) Methylene Chloride	4.610	84	244646	50.247	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	246365	50.119	ug/l	99
22) Diisopropyl ether	6.018	45	670200	47.919	ug/l	99
23) Vinyl Acetate	5.957	43	1726827	223.289	ug/l	98
24) 1,1-Dichloroethane	5.915	63	423462	49.522	ug/l	99
25) 2-Butanone	6.896	43	268264	210.456	ug/l	97
26) 2,2-Dichloropropane	6.884	77	330025	44.729	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	286353	50.390	ug/l	97
28) Bromochloromethane	7.244	49	168646	49.712	ug/l	96
29) Tetrahydrofuran	7.256	42	176959	223.965	ug/l	96
30) Chloroform	7.421	83	447102	50.699	ug/l	98
31) Cyclohexane	7.701	56	338813	42.047	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	386894	49.443	ug/l	100
36) 1,1-Dichloropropene	7.835	75	308640	47.746	ug/l	99
37) Ethyl Acetate	6.982	43	120682	44.444	ug/l	99
38) Carbon Tetrachloride	7.817	117	341297	48.612	ug/l	99
39) Methylcyclohexane	9.109	83	387997	45.580	ug/l	95
40) Benzene	8.079	78	999546	50.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	65626	41.877	ug/l		87
42) 1,2-Dichloroethane	8.158	62	253049	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	245293	44.694	ug/l		97
44) Trichloroethene	8.865	130	266609	51.782	ug/l		100
45) 1,2-Dichloropropane	9.140	63	228425	49.829	ug/l		99
46) Dibromomethane	9.231	93	131481	49.971	ug/l		99
47) Bromodichloromethane	9.420	83	343279	50.703	ug/l		99
48) Methyl methacrylate	9.219	41	118237	45.021	ug/l		95
49) 1,4-Dioxane	9.225	88	29199	946.444	ug/l		90
51) 4-Methyl-2-Pentanone	9.993	43	656710	231.971	ug/l		98
52) Toluene	10.170	92	647611	51.179	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	296104	48.297	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	353426	48.751	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	176672	50.180	ug/l		98
56) Ethyl methacrylate	10.438	69	217938	48.375	ug/l		98
57) 1,3-Dichloropropane	10.713	76	292293	48.952	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	551100	259.330	ug/l		98
59) 2-Hexanone	10.755	43	435049	225.681	ug/l		100
60) Dibromochloromethane	10.908	129	238623	51.365	ug/l		100
61) 1,2-Dibromoethane	11.011	107	164095	49.588	ug/l		99
64) Tetrachloroethene	10.646	164	323963	56.055	ug/l		98
65) Chlorobenzene	11.438	112	704107	50.434	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.511	131	243596	51.411	ug/l		100
67) Ethyl Benzene	11.517	91	1222605	50.888	ug/l		98
68) m/p-Xylenes	11.627	106	966978	103.051	ug/l		98
69) o-Xylene	11.950	106	455236	51.799	ug/l		99
70) Styrene	11.969	104	763639	53.132	ug/l		98
71) Bromoform	12.127	173	135638	48.980	ug/l	#	99
73) Isopropylbenzene	12.249	105	1161331	49.330	ug/l		99
74) N-amyl acetate	12.066	43	217737	43.613	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	172951	43.025	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	155632m	48.345	ug/l		
77) Bromobenzene	12.529	156	273466	48.690	ug/l		98
78) n-propylbenzene	12.590	91	1387452	49.502	ug/l		99
79) 2-Chlorotoluene	12.676	91	784149	48.829	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	954748	50.180	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	57362	43.134	ug/l		99
82) 4-Chlorotoluene	12.773	91	816232	48.995	ug/l		99
83) tert-Butylbenzene	12.993	119	857857	49.921	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	956661	50.510	ug/l		99
85) sec-Butylbenzene	13.170	105	1249164	49.485	ug/l		100
86) p-Isopropyltoluene	13.285	119	1065308	50.842	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	549837	49.644	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	534086	48.611	ug/l		99
89) n-Butylbenzene	13.615	91	957330	49.746	ug/l		99
90) Hexachloroethane	13.877	117	214503	50.008	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	477680	49.177	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28063	44.839	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	261664	45.553	ug/l		98
94) Hexachlorobutadiene	15.017	225	153359	45.434	ug/l		98
95) Naphthalene	15.139	128	452211	46.168	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	224276	45.311	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
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Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 08/20/2025

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\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
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Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
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Instrument :
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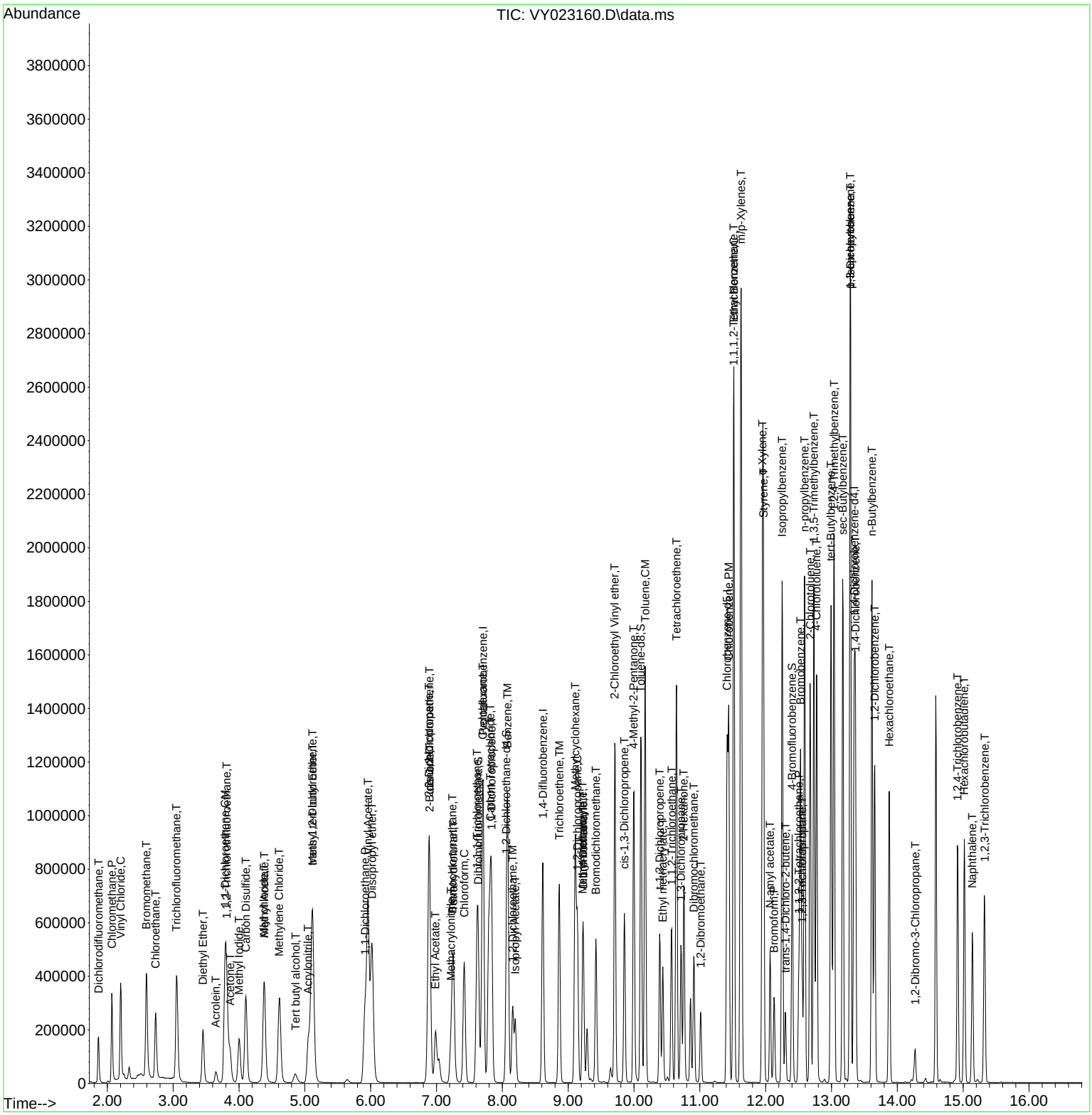
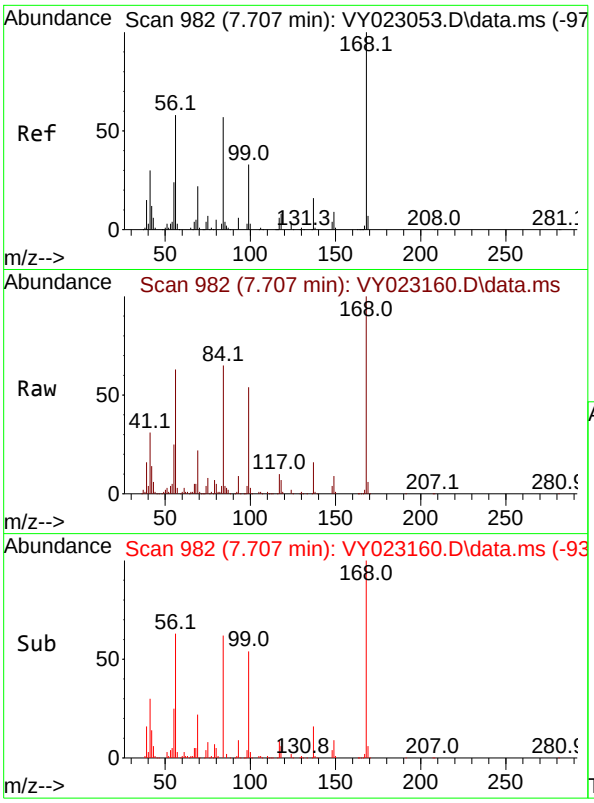
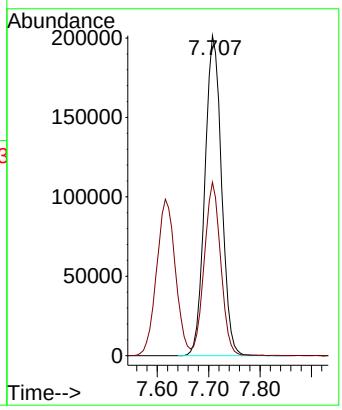




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:168 Resp: 45391

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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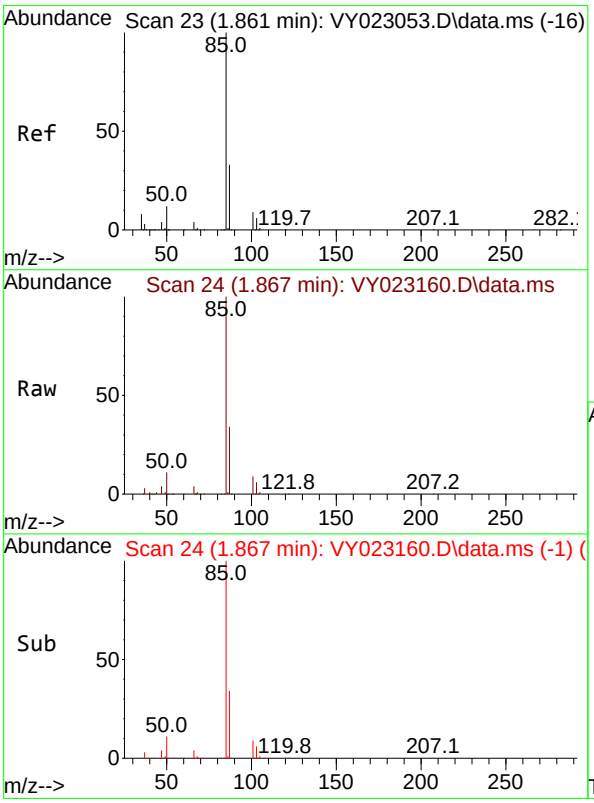
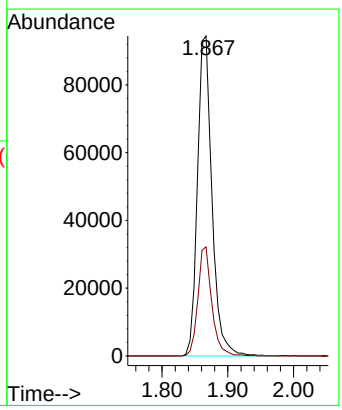
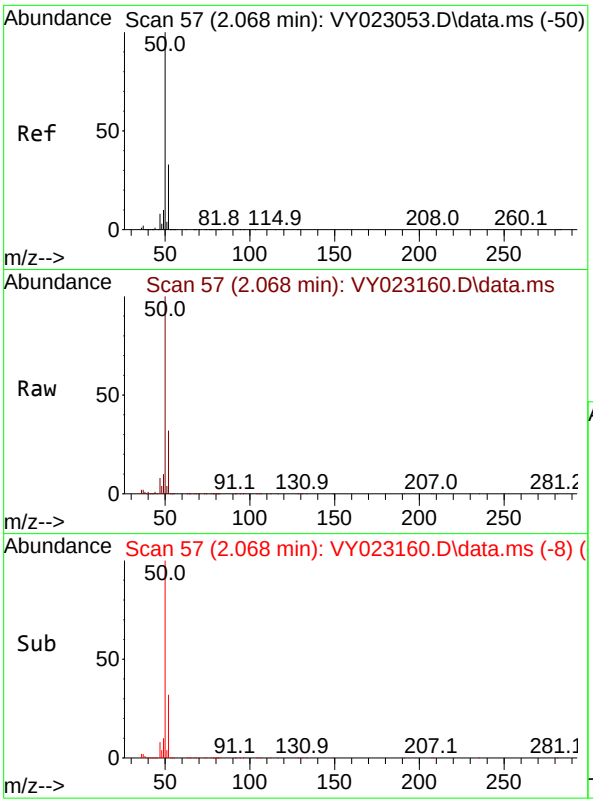


#2
Dichlorodifluoromethane
Concen: 39.160 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 85 Resp: 145094

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.6	49.8

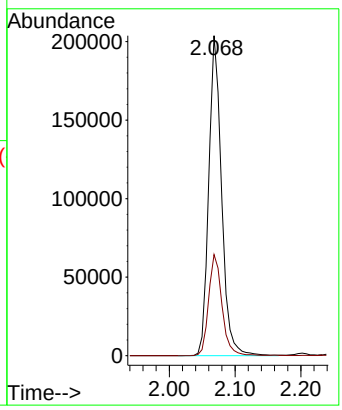




#3
Chloromethane
Concen: 46.137 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 50 Resp: 27687

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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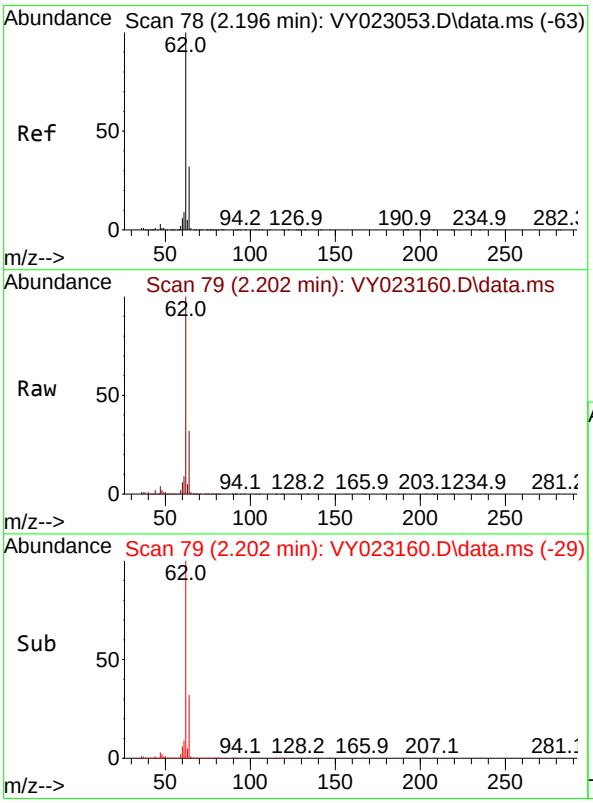
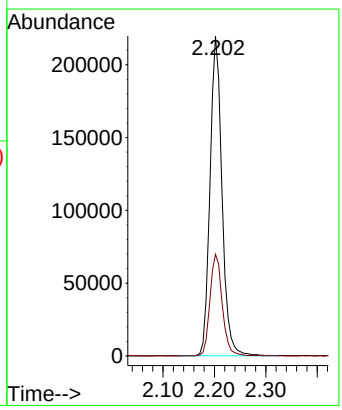
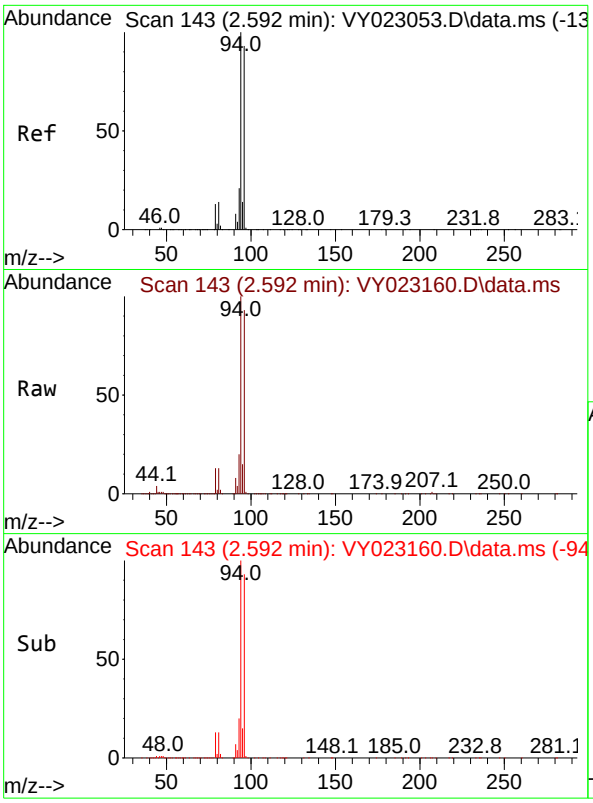


#4
Vinyl Chloride
Concen: 47.848 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 354948

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0

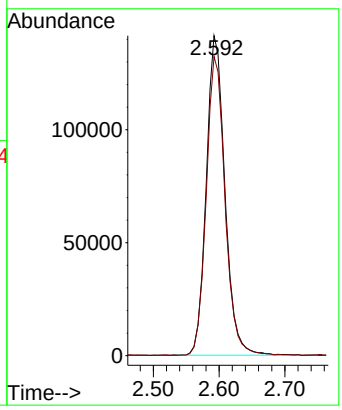




#5
Bromomethane
Concen: 50.342 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 94 Resp: 27890

Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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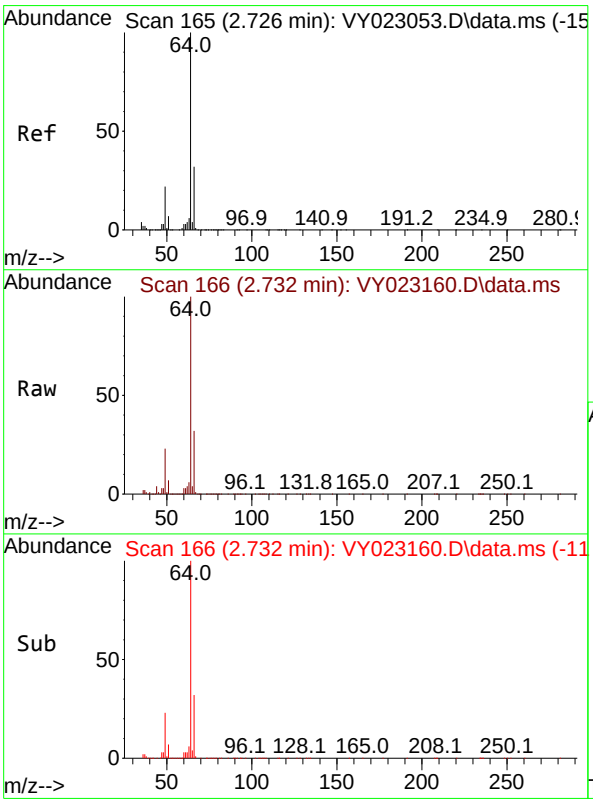
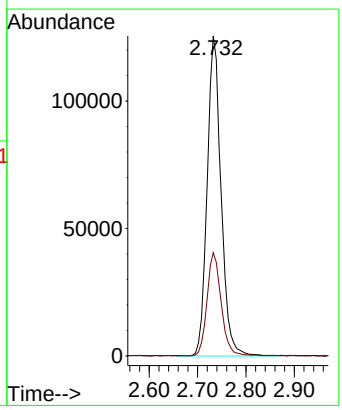
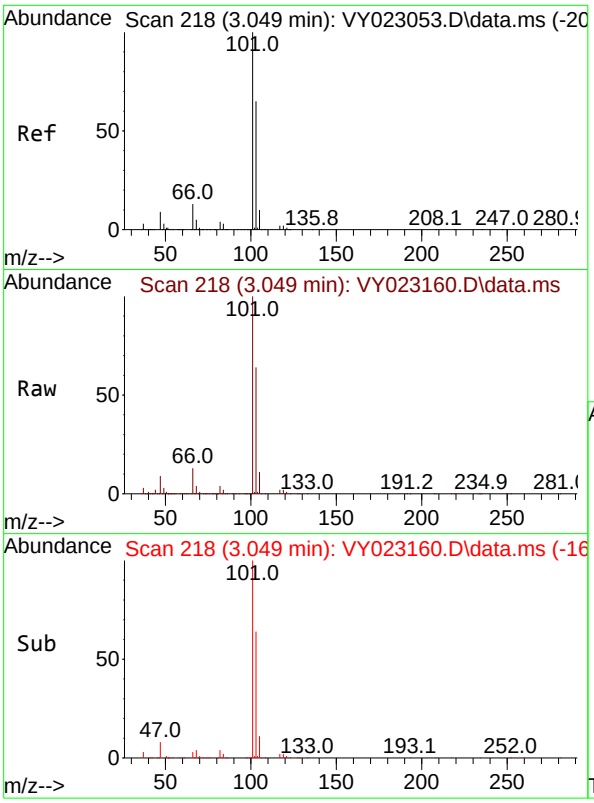


#6
Chloroethane
Concen: 50.860 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 64 Resp: 250831

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.8	38.6





#7
Trichlorofluoromethane
Concen: 44.950 ug/l
RT: 3.049 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:101 Resp: 40545

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.9	77.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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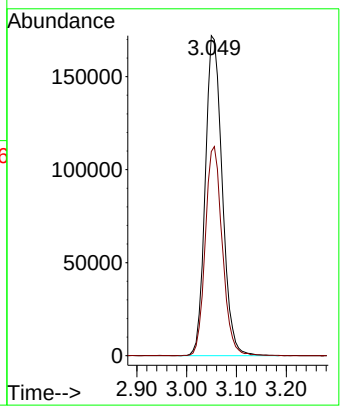
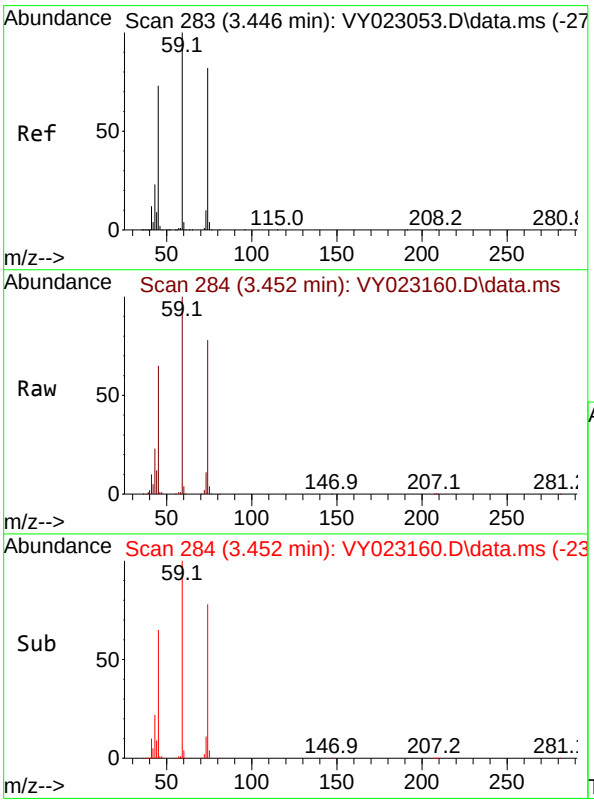
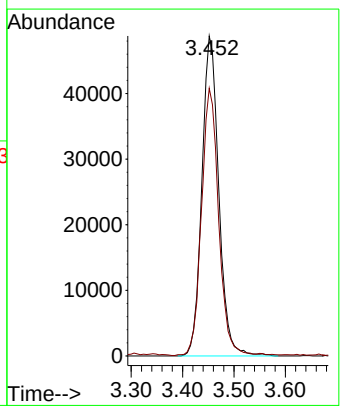


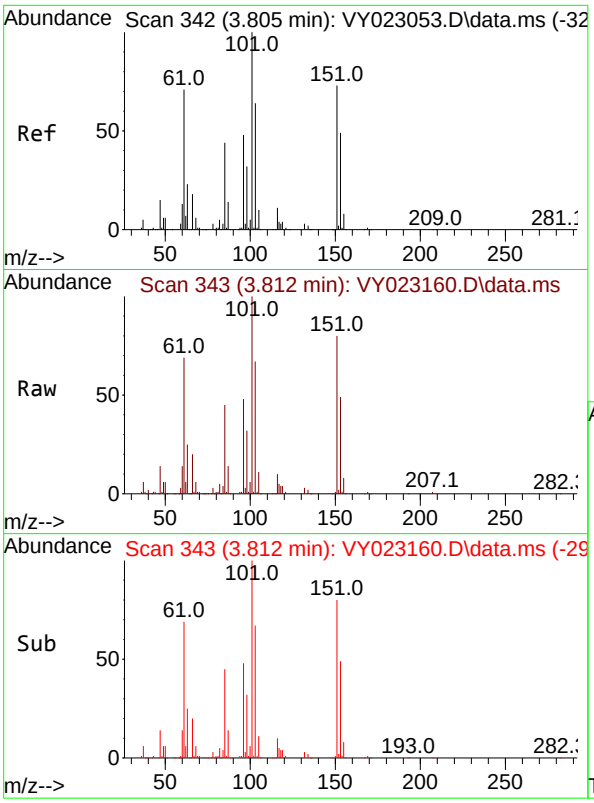


#8
Diethyl Ether
Concen: 46.597 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 74 Resp: 111202

Ion	Ratio	Lower	Upper
74	100		
45	84.5	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.085 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:101 Resp: 20063

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.3	54.5
151	78.1	61.5	92.3

Instrument :
MSVOA_Y
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Manual Integrations
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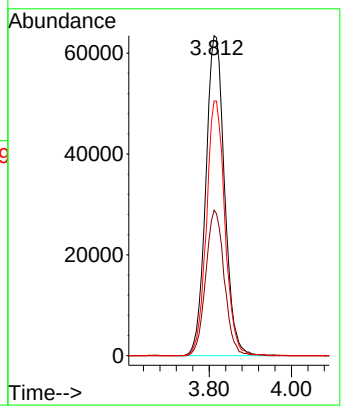
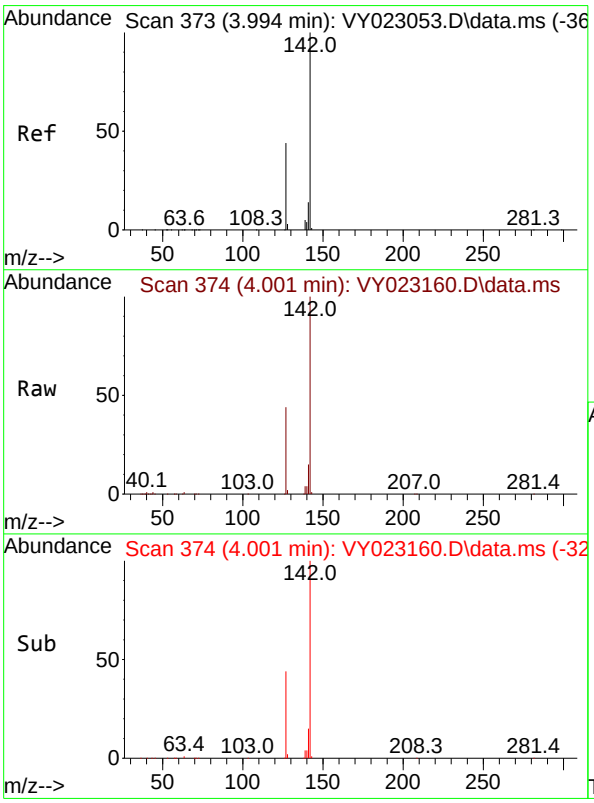
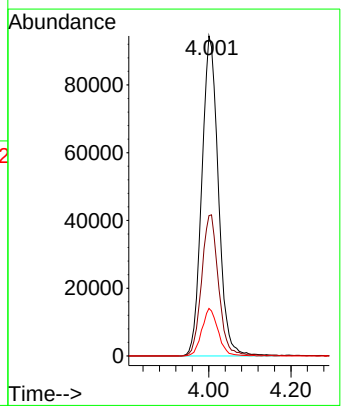


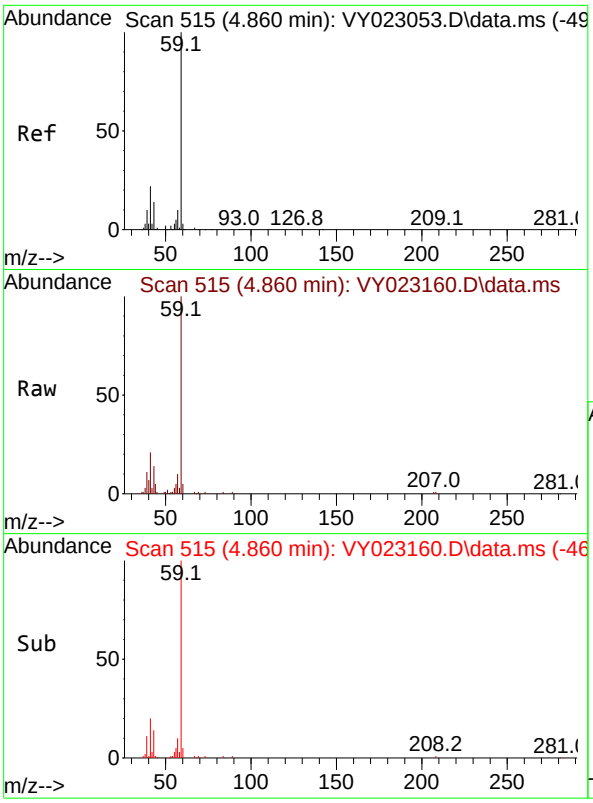


#10
Methyl Iodide
Concen: 54.928 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:142 Resp: 263764

Ion	Ratio	Lower	Upper
142	100		
127	45.1	34.9	52.3
141	14.6	11.3	16.9

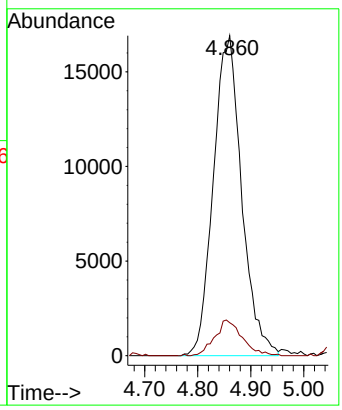




#11
Tert butyl alcohol
Concen: 211.323 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 59 Resp: 6264

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0



Instrument :
MSVOA_Y
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Manual Integrations
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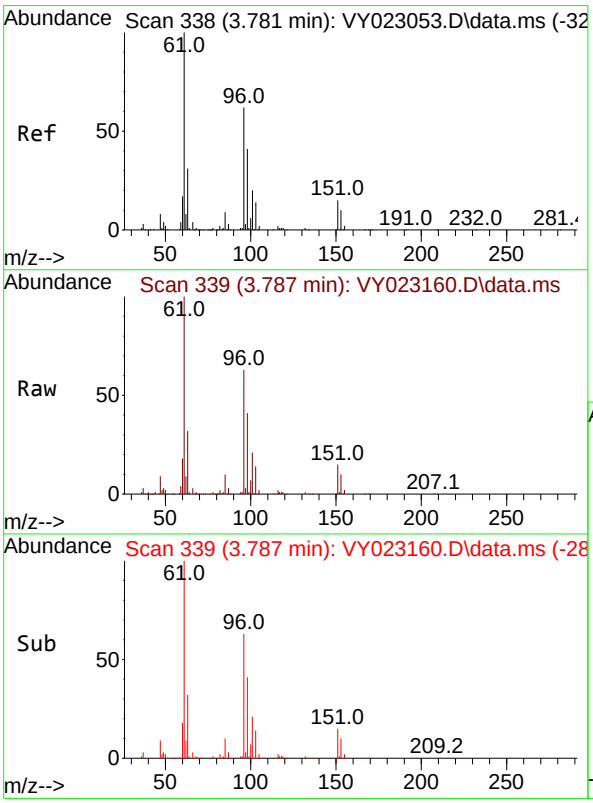
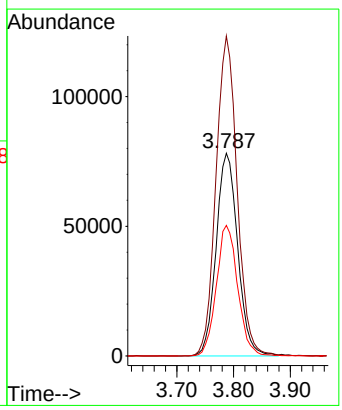
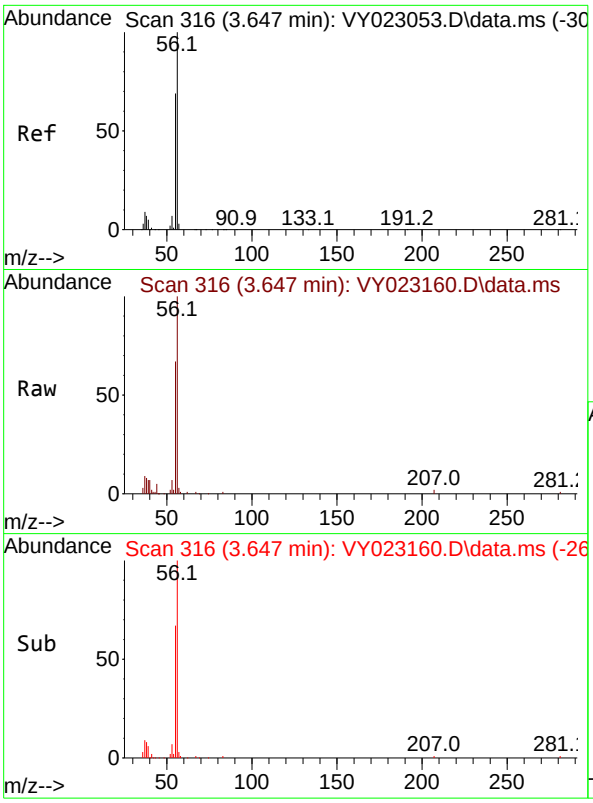


#12
1,1-Dichloroethene
Concen: 47.120 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 96 Resp: 206109

Ion	Ratio	Lower	Upper
96	100		
61	157.9	129.4	194.2
98	64.4	52.8	79.2

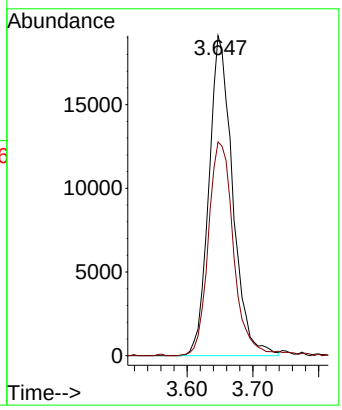




#13
Acrolein
Concen: 110.581 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 56 Resp: 4800

Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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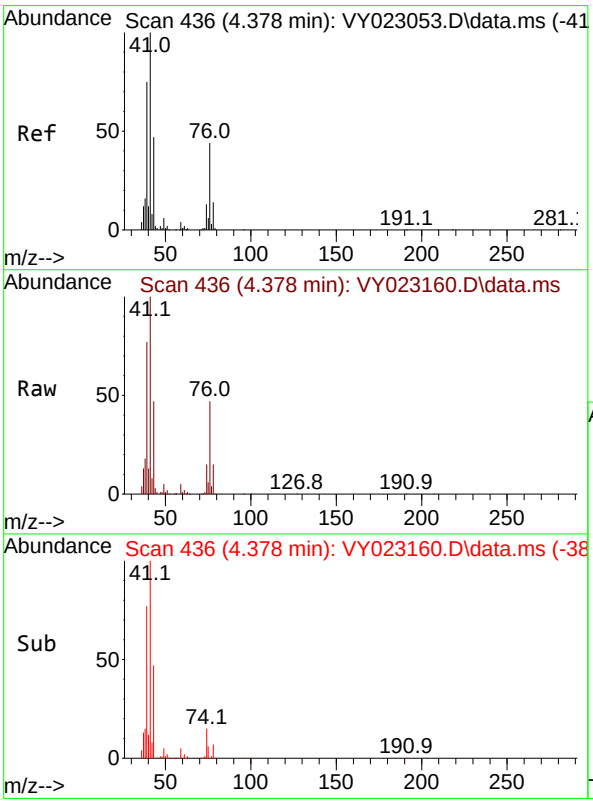
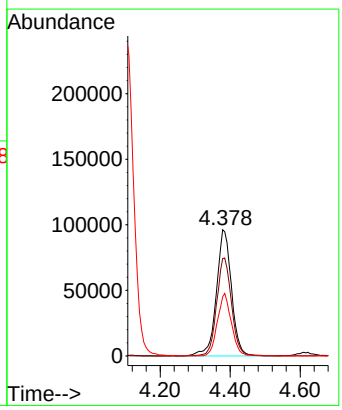
Supervised By :Mahesh Dadoda 08/20/2025

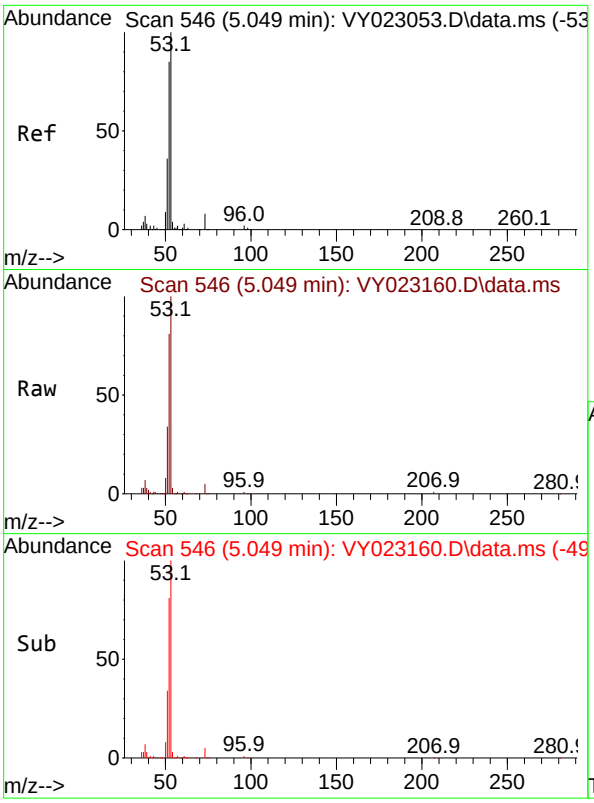


#14
Allyl chloride
Concen: 44.800 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 288345

Ion	Ratio	Lower	Upper
41	100		
39	76.3	59.8	89.6
76	45.6	33.7	50.5





#15
Acrylonitrile
Concen: 235.673 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 53 Resp: 22865

Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.3	97.9
51	37.0	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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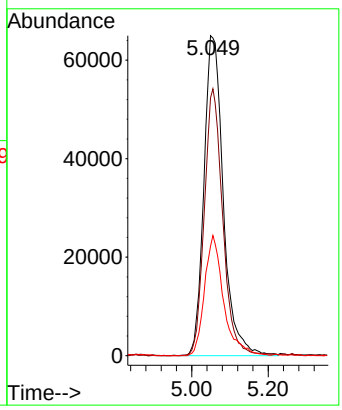
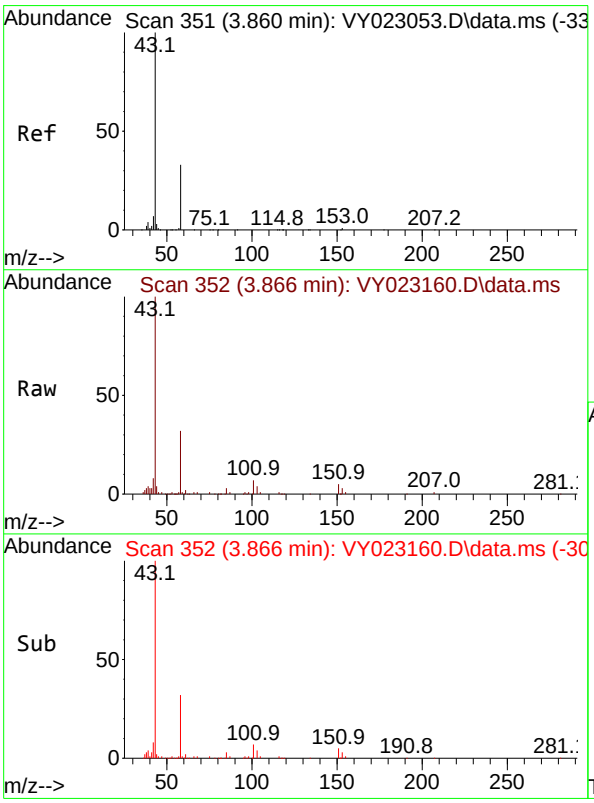
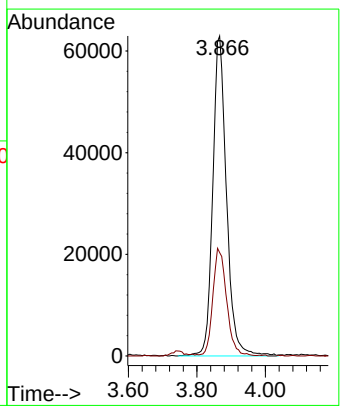


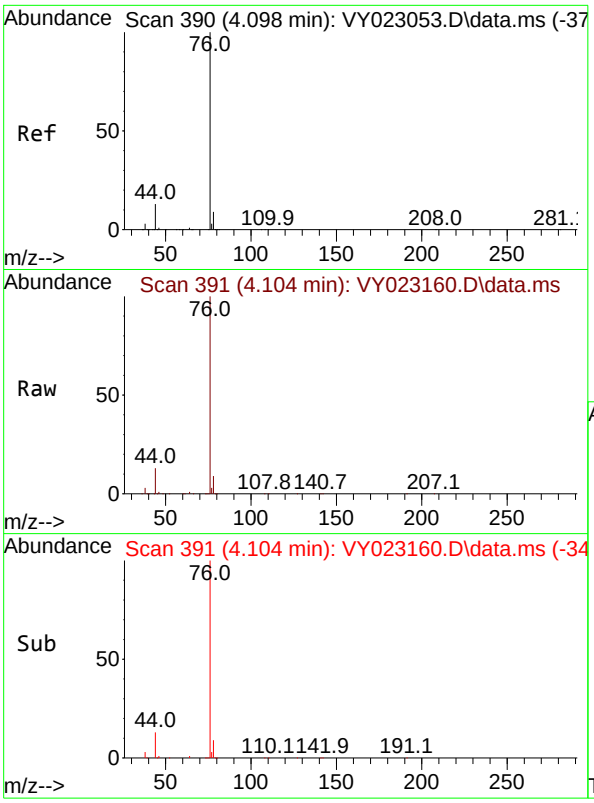


#16
Acetone
Concen: 187.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 175331

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.1	40.7

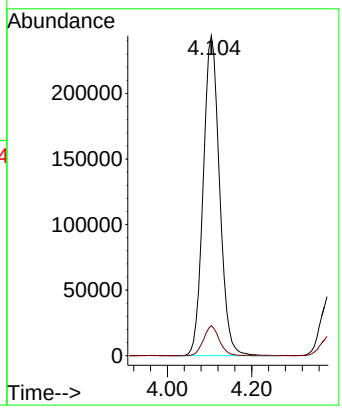




#17
Carbon Disulfide
Concen: 46.066 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 76 Resp: 65702

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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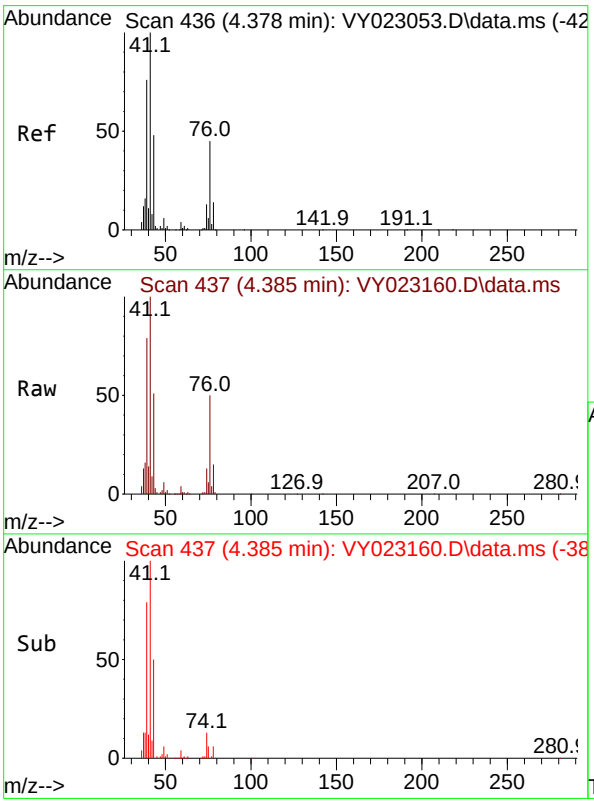
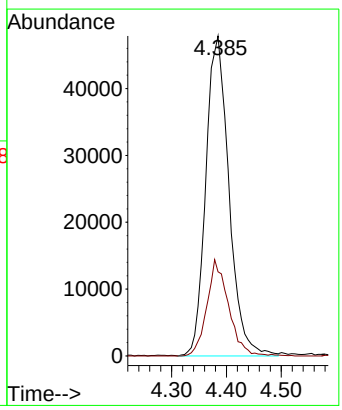
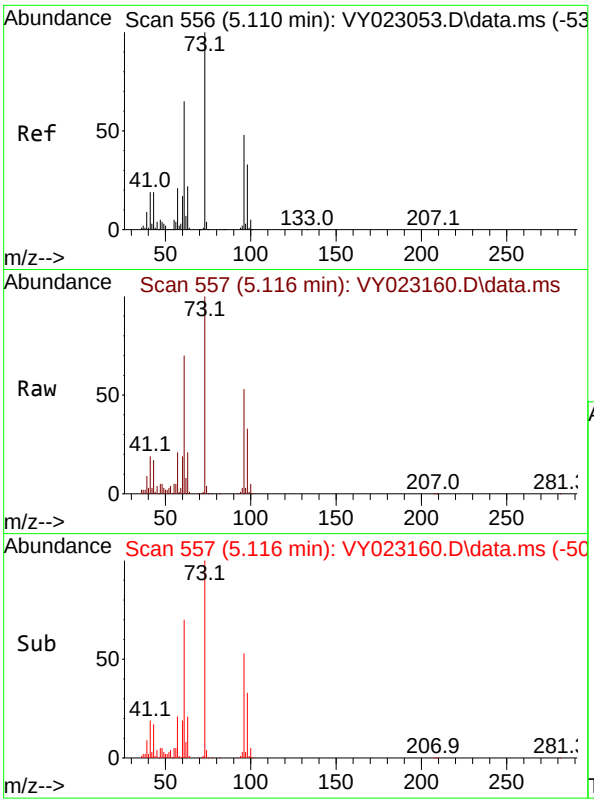


#18
Methyl Acetate
Concen: 50.290 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 140261

Ion	Ratio	Lower	Upper
43	100		
74	28.1	21.2	31.8

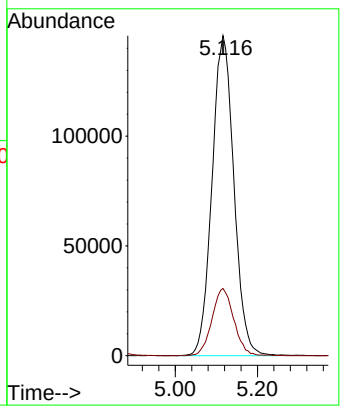




#19
Methyl tert-butyl Ether
Concen: 47.480 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 73 Resp: 53816

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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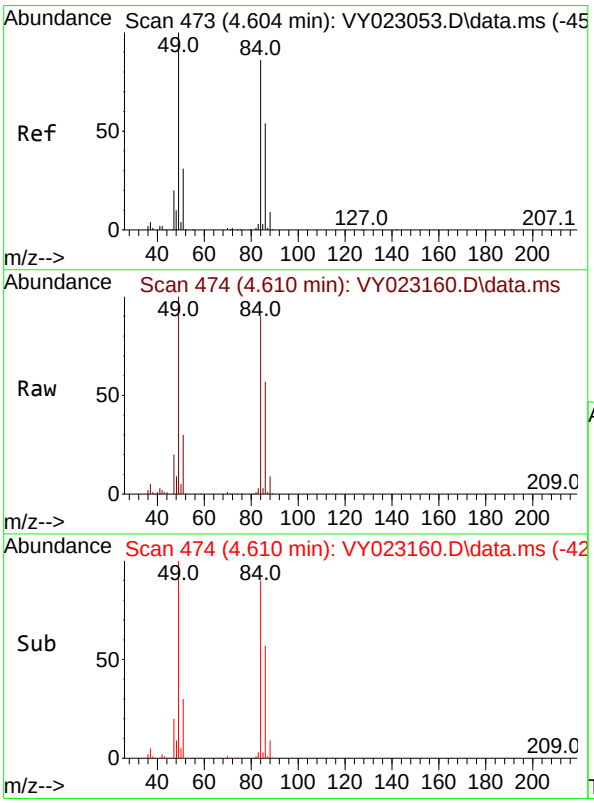
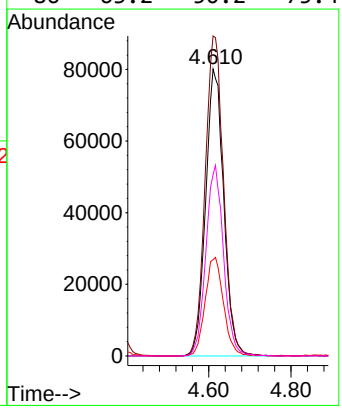
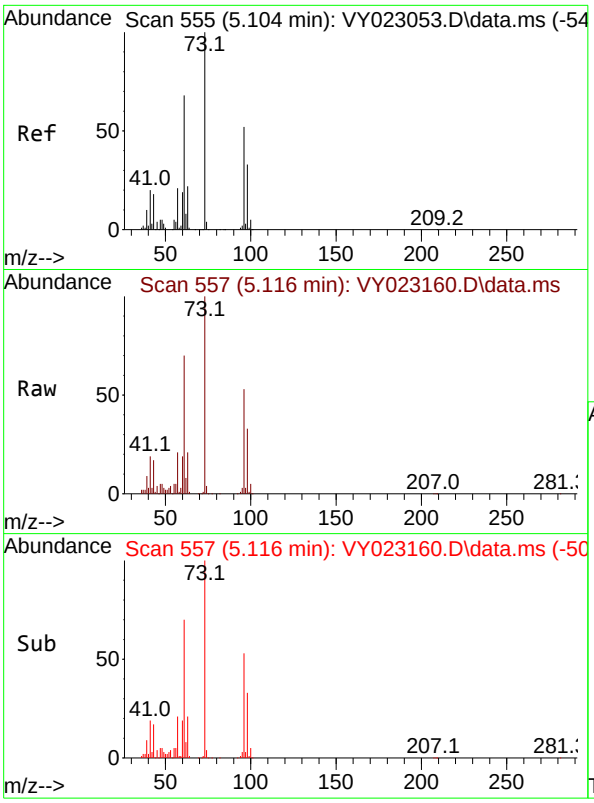


#20
Methylene Chloride
Concen: 50.247 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 84 Resp: 244646

Ion	Ratio	Lower	Upper
84	100		
49	111.5	93.0	139.6
51	33.6	29.0	43.4
86	63.2	50.2	75.4

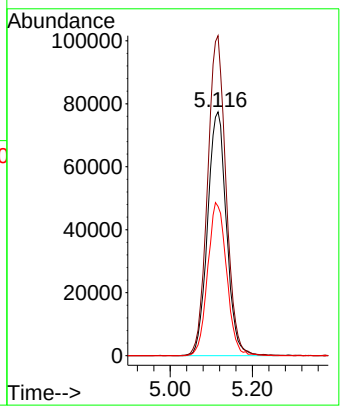




#21
trans-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 96 Resp: 24636

Ion	Ratio	Lower	Upper
96	100		
61	131.2	104.8	157.2
98	61.2	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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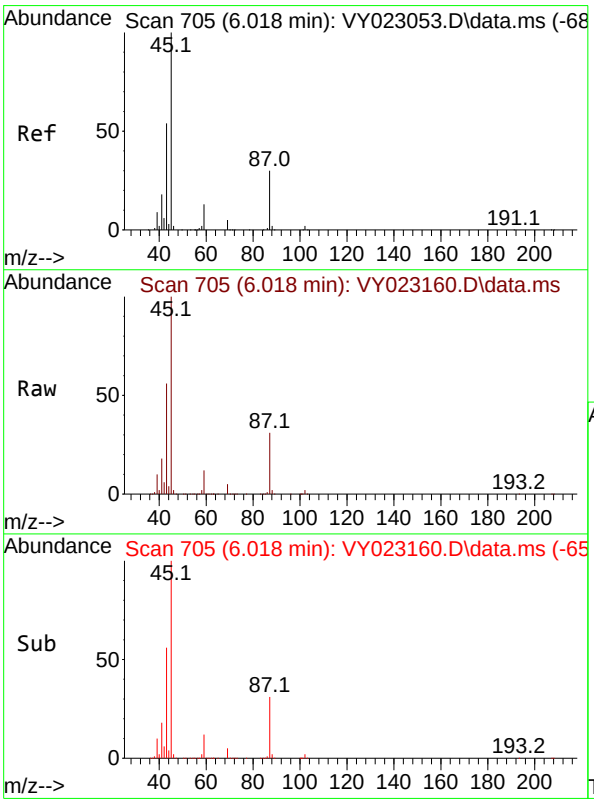
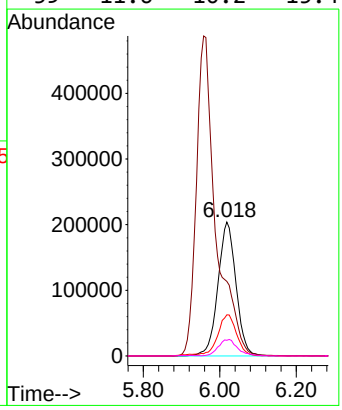
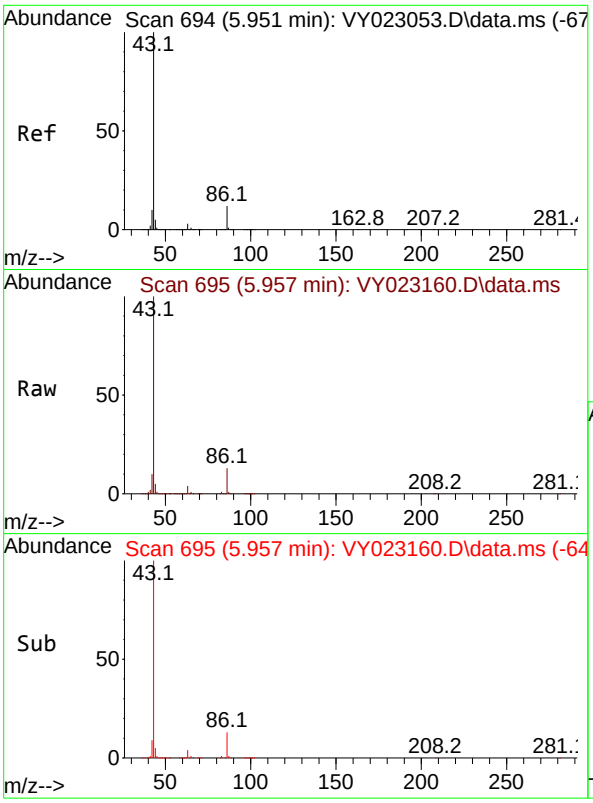


#22
Diisopropyl ether
Concen: 47.919 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 45 Resp: 670200

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.4	65.0
87	30.7	24.4	36.6
59	11.6	10.2	15.4

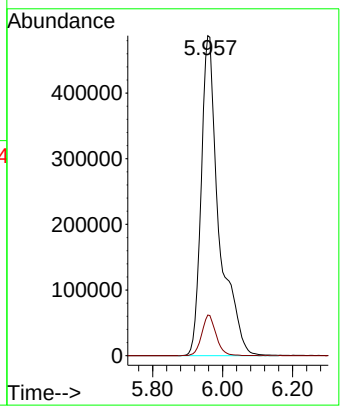




#23
Vinyl Acetate
Concen: 223.289 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 172682

Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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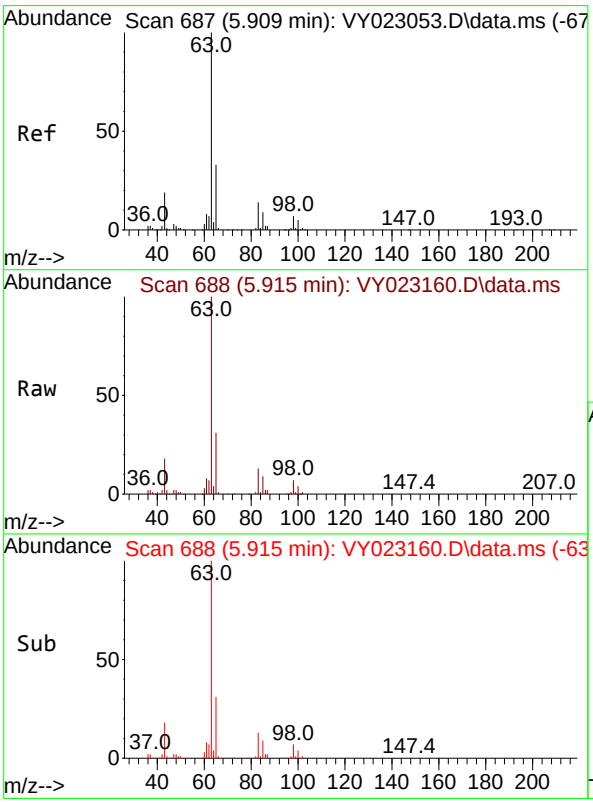
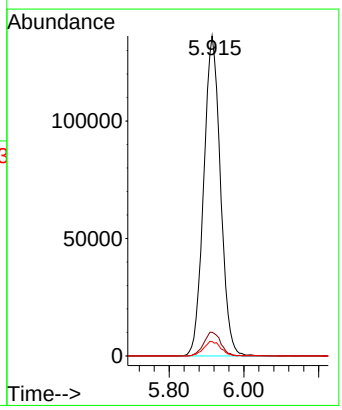
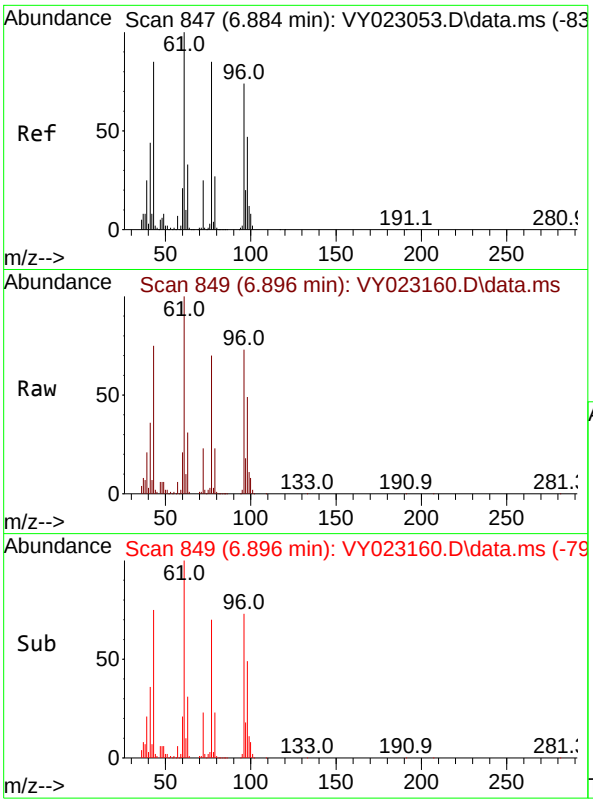


#24
1,1-Dichloroethane
Concen: 49.522 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 423462

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.5	2.4	7.1





#25
2-Butanone
Concen: 210.456 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 26826

Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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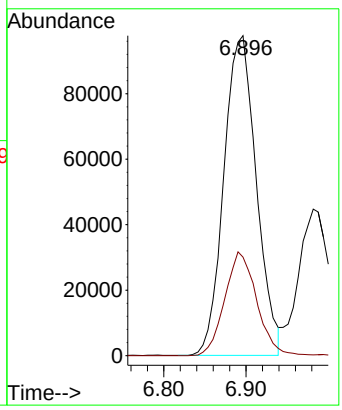
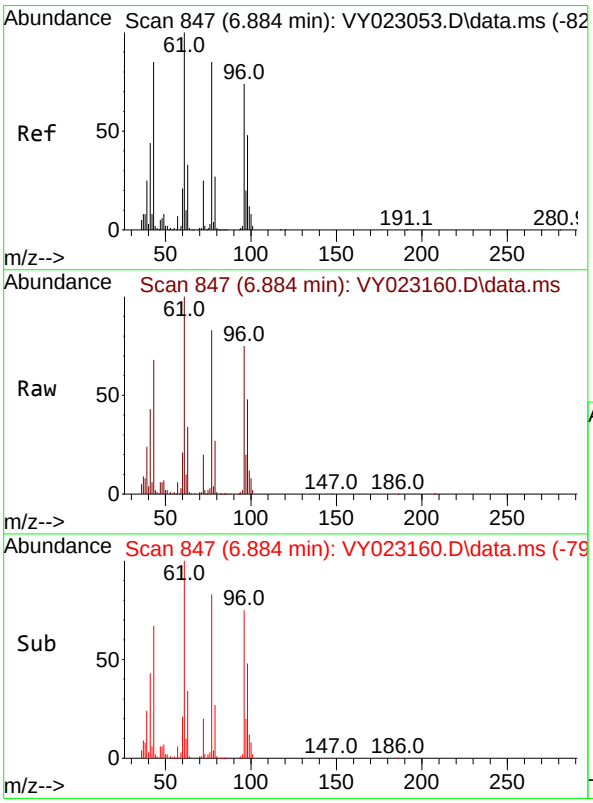
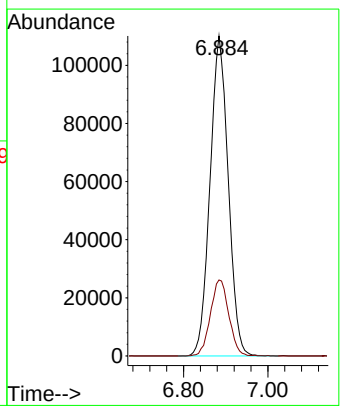


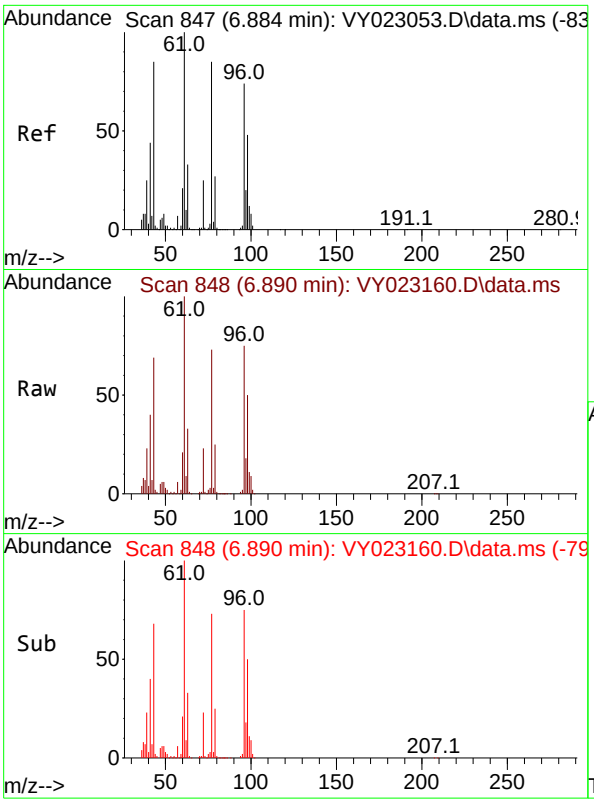


#26
2,2-Dichloropropane
Concen: 44.729 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 77 Resp: 330025

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 50.390 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 96 Resp: 28635

Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	278.6
98	64.2	0.0	130.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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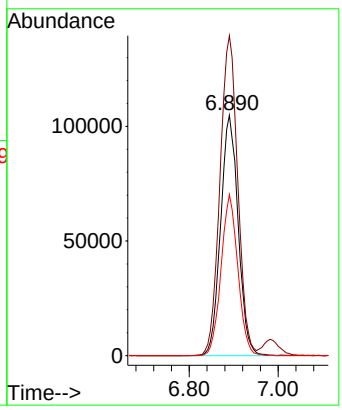
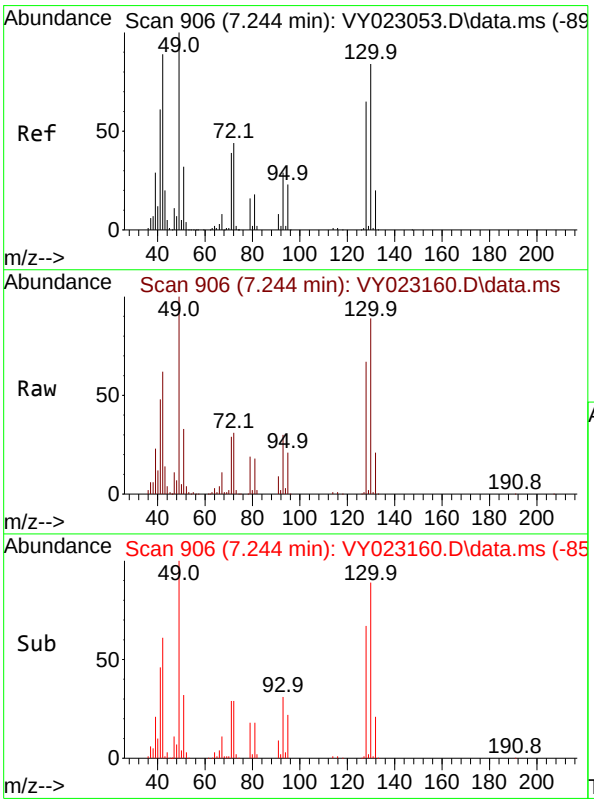
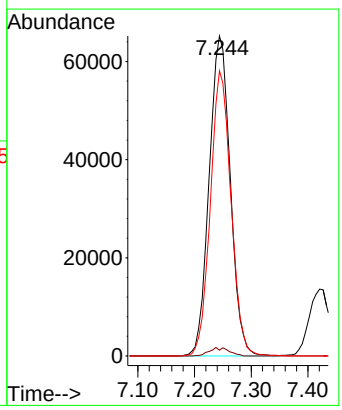


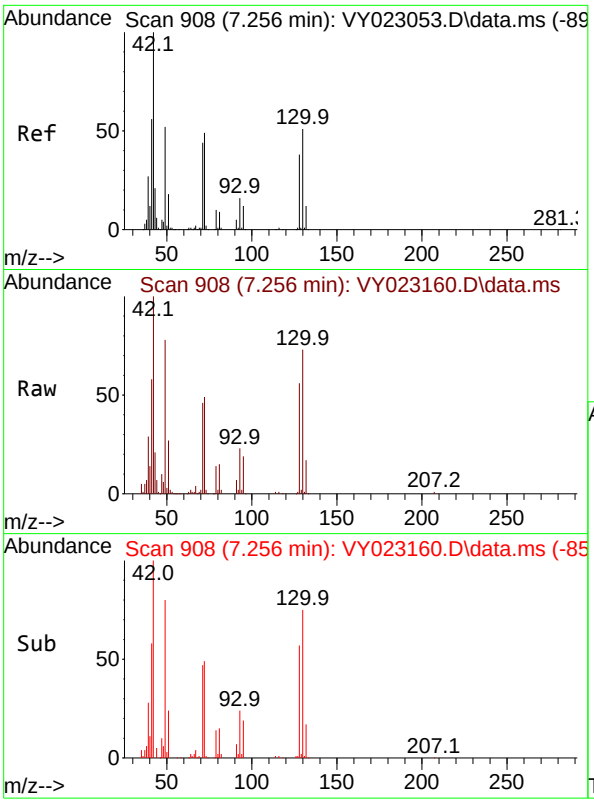


#28
Bromochloromethane
Concen: 49.712 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 49 Resp: 168646

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	87.0	66.4	99.6





#29
Tetrahydrofuran
Concen: 223.965 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 42 Resp: 17695

Ion	Ratio	Lower	Upper
42	100		
72	51.0	39.4	59.2
71	48.7	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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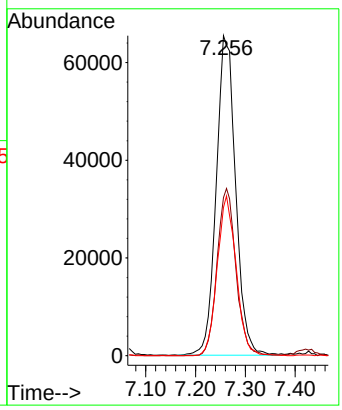
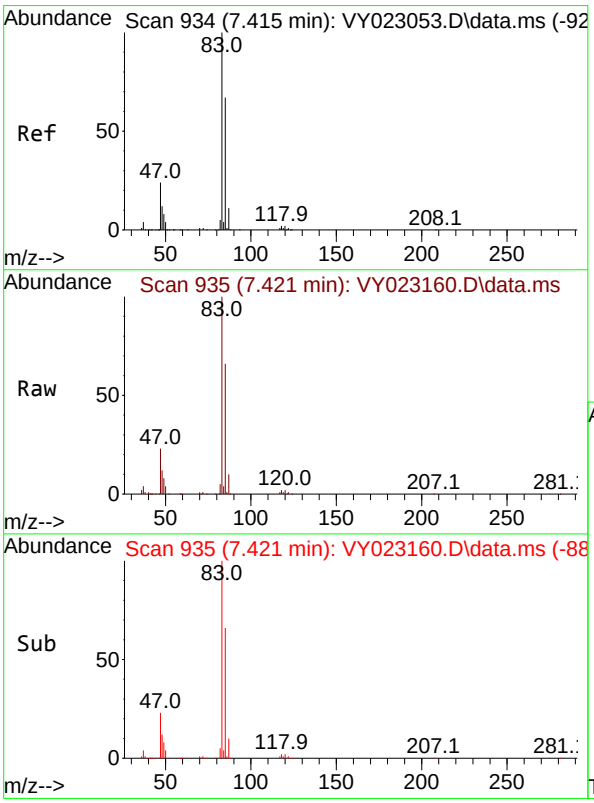
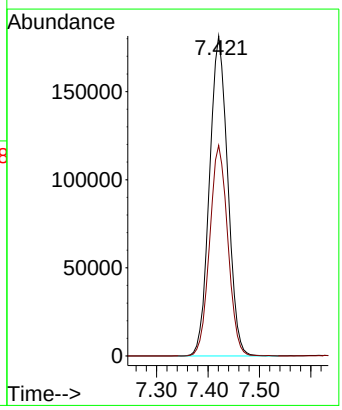


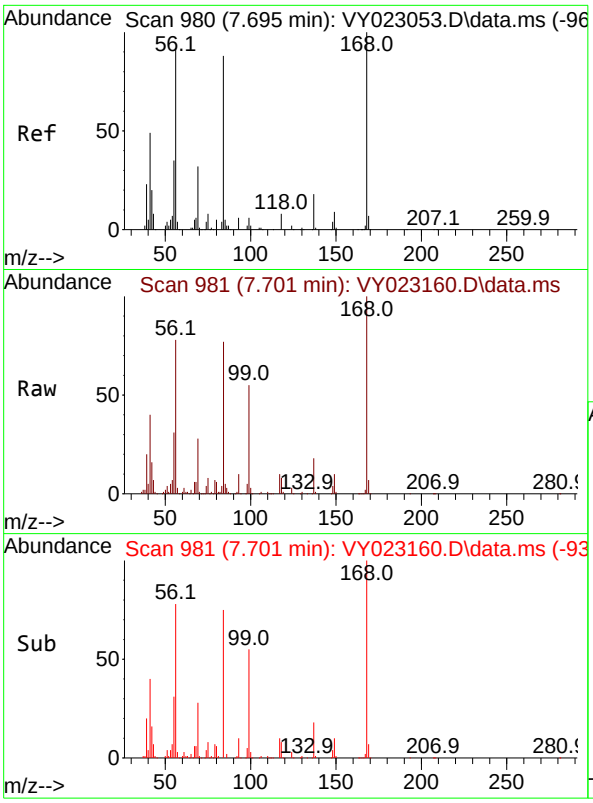


#30
Chloroform
Concen: 50.699 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 83 Resp: 447102

Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8

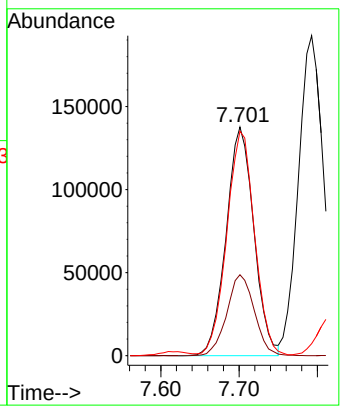




#31
Cyclohexane
Concen: 42.047 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 56 Resp: 33881

Ion	Ratio	Lower	Upper
56	100		
69	35.4	28.2	42.2
84	96.4	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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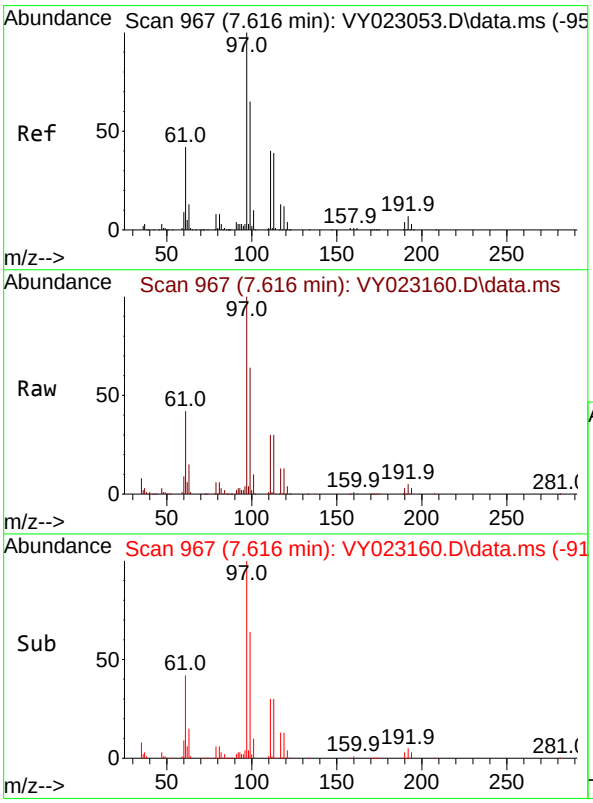
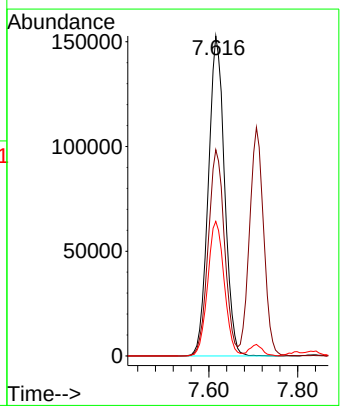
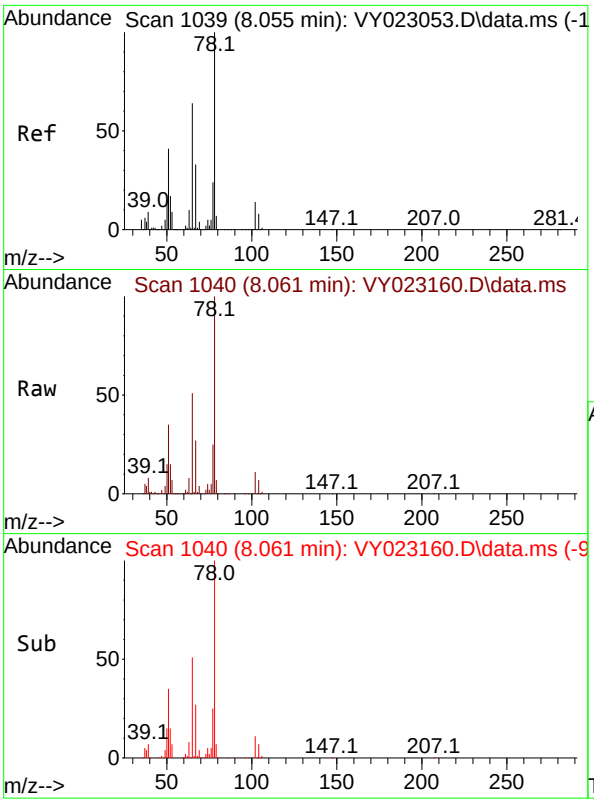


#32
1,1,1-Trichloroethane
Concen: 49.443 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 97 Resp: 386894

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	42.9	34.2	51.2

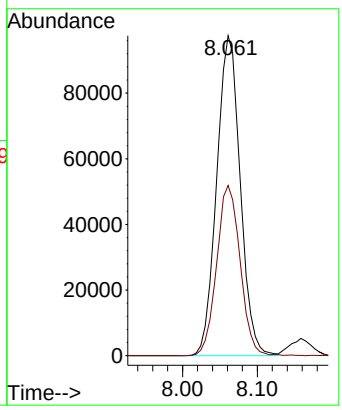




#33
1,2-Dichloroethane-d4
Concen: 49.322 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 65 Resp: 21337

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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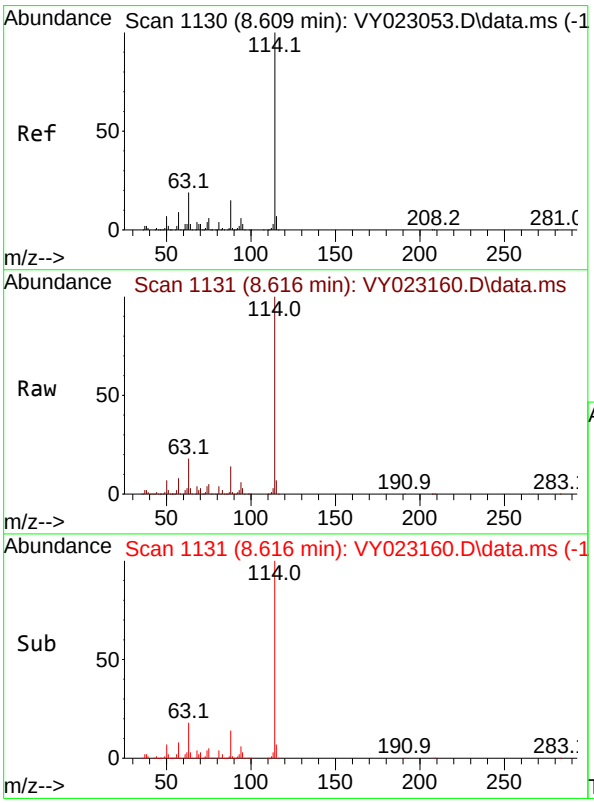
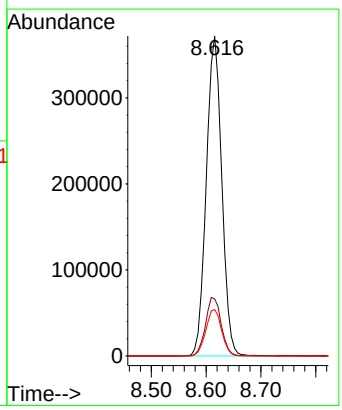
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

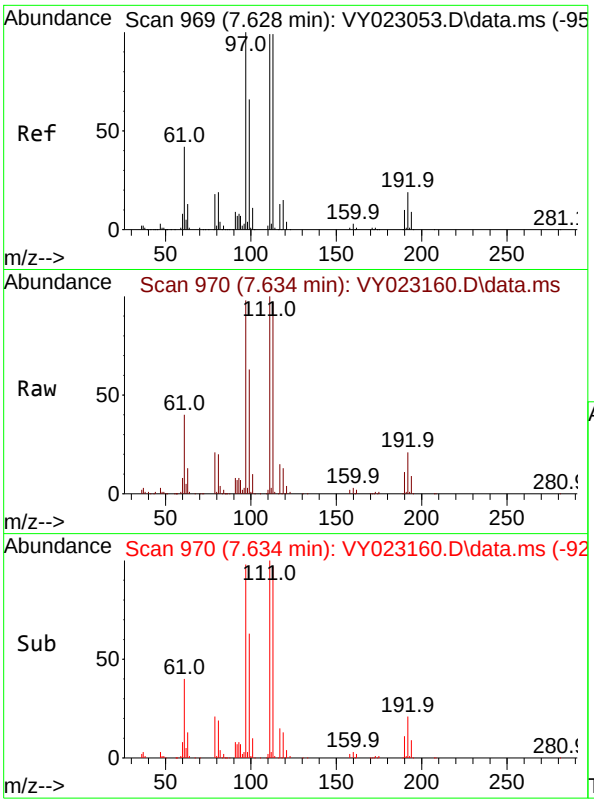


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:114 Resp: 726912

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.4
88	14.5	0.0	30.0

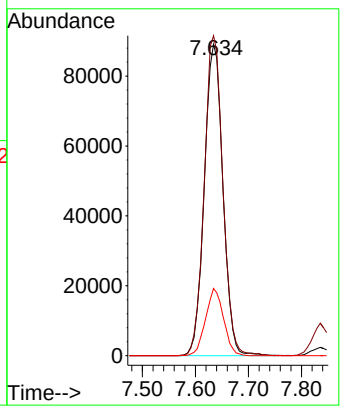




#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:113 Resp: 21705

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	20.9	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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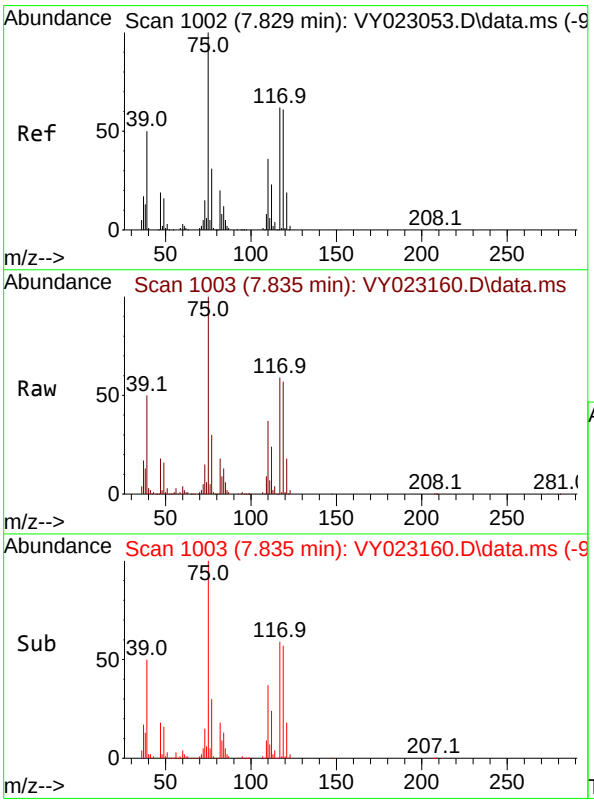
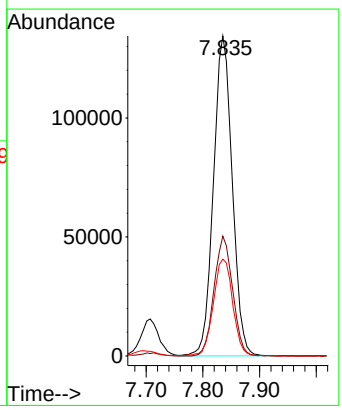
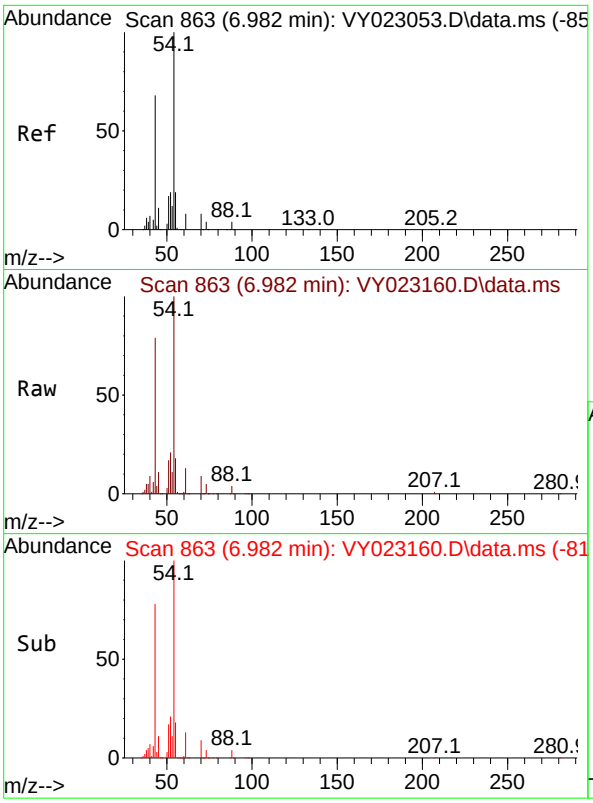


#36
1,1-Dichloropropene
Concen: 47.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 308640

Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.4
77	31.4	24.6	37.0





#37
Ethyl Acetate
Concen: 44.444 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 12068

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	12.3	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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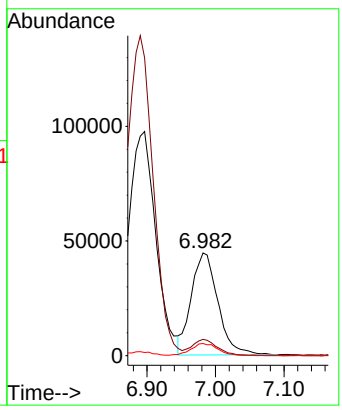
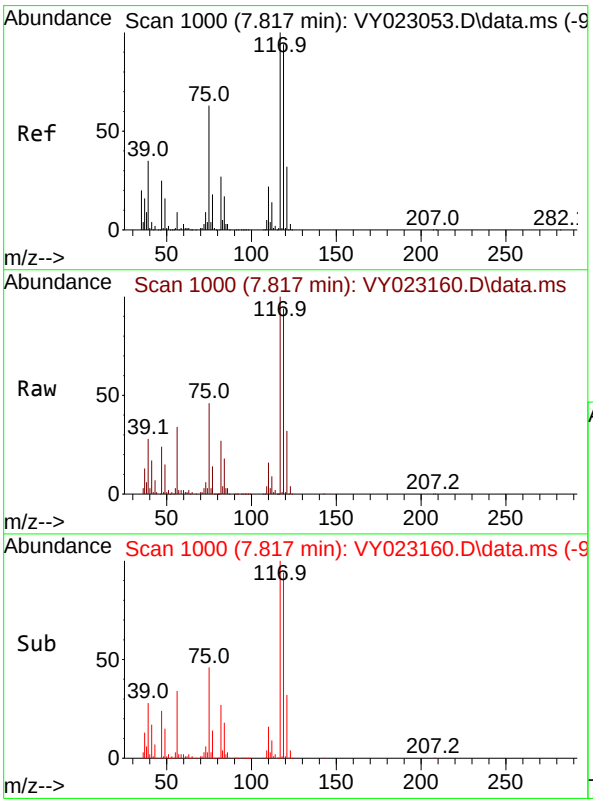
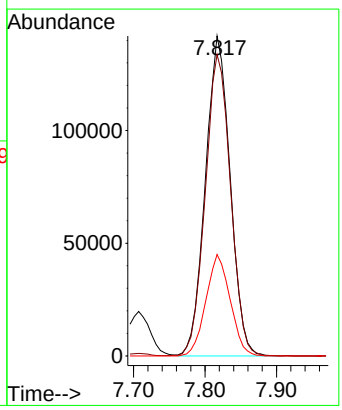


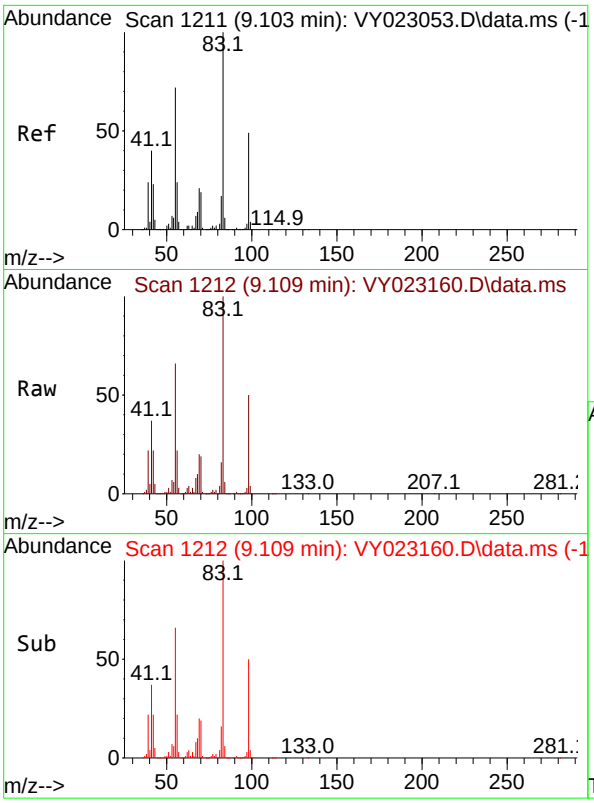


#38
Carbon Tetrachloride
Concen: 48.612 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:117 Resp: 341297

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.6	113.4
121	31.7	25.8	38.8





#39
Methylcyclohexane
Concen: 45.580 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 83 Resp: 38799

Ion	Ratio	Lower	Upper
83	100		
55	66.2	57.6	86.4
98	49.9	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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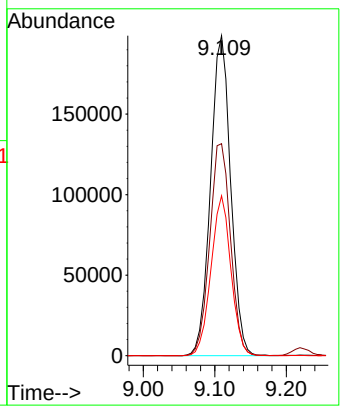
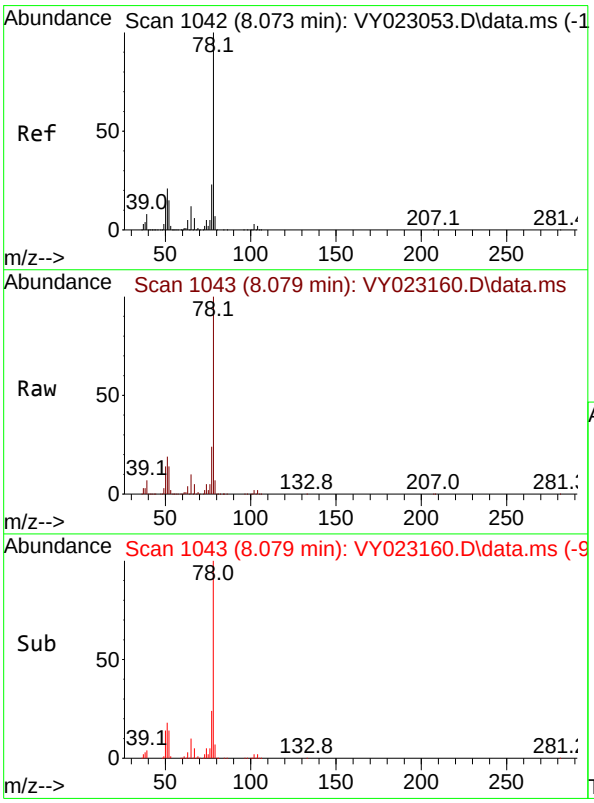
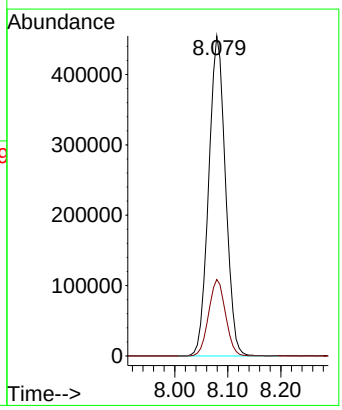


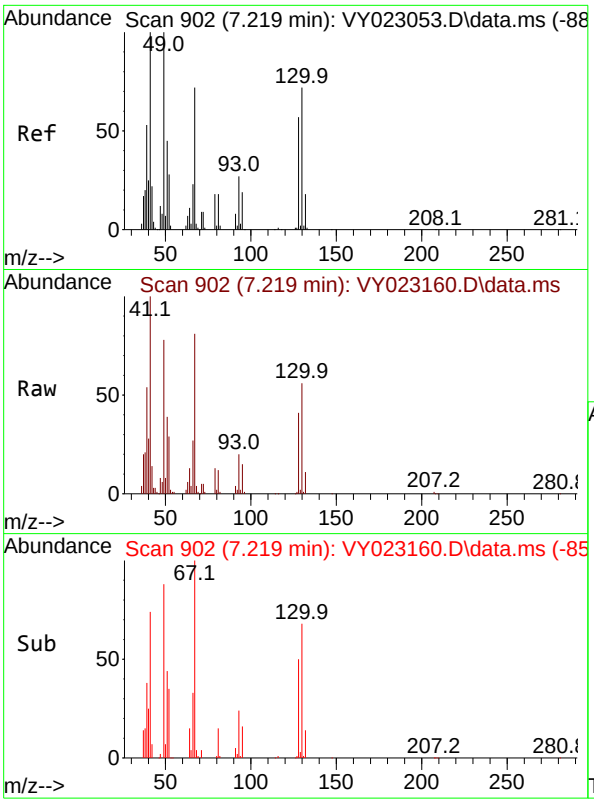


#40
Benzene
Concen: 50.170 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 78 Resp: 999546

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0

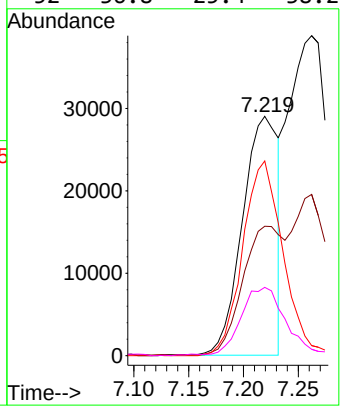




#41
Methacrylonitrile
Concen: 41.877 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 6562

Ion	Ratio	Lower	Upper
41	100		
39	62.3	43.4	65.2
67	92.6	63.6	95.4
52	36.8	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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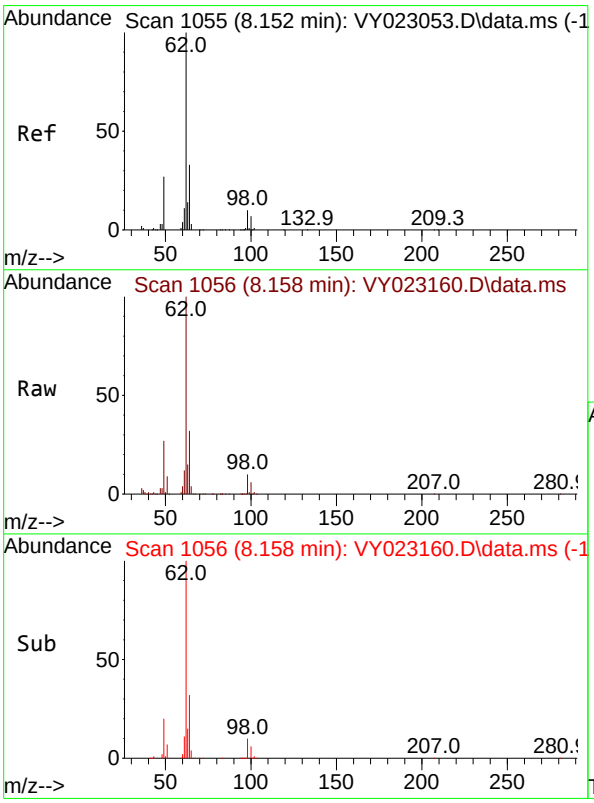
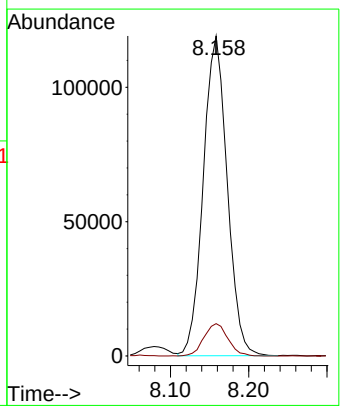
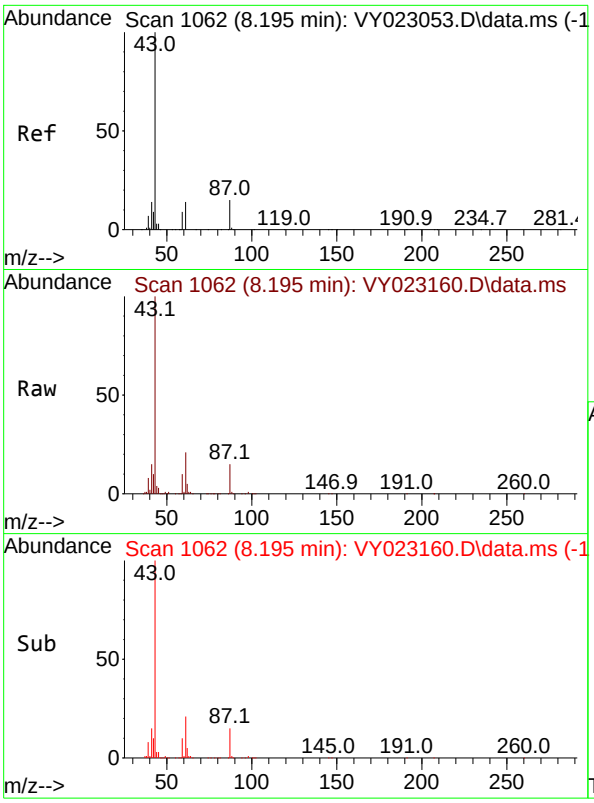


#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 253049

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43
Isopropyl Acetate
Concen: 44.694 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 24529

Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	15.5	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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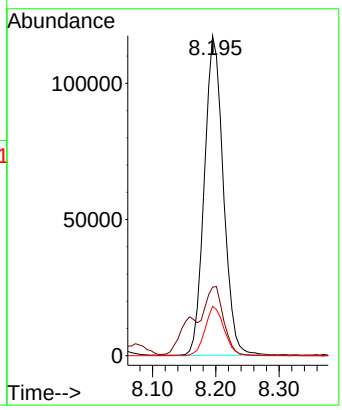
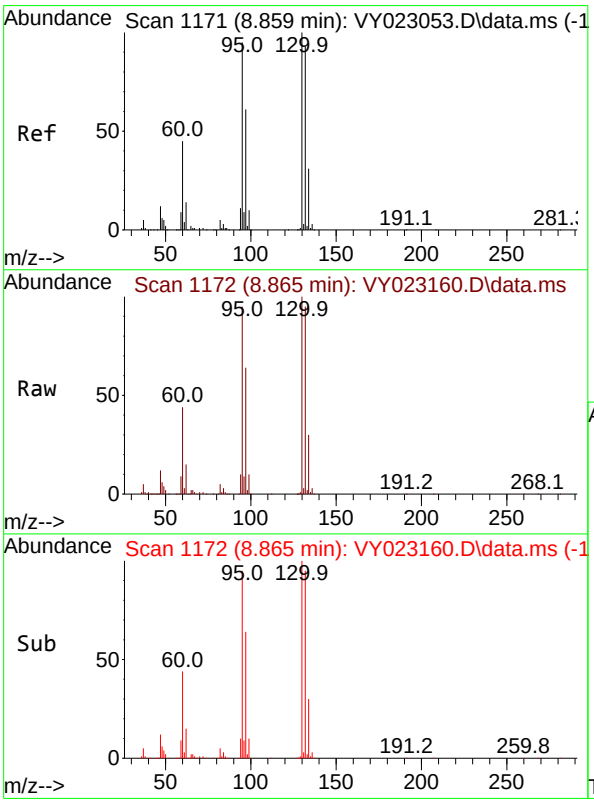
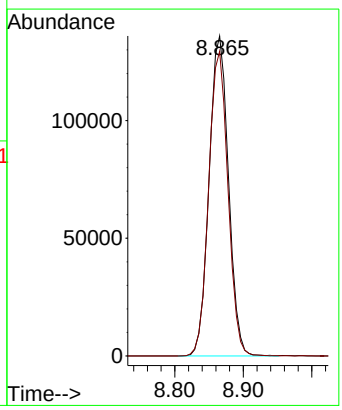


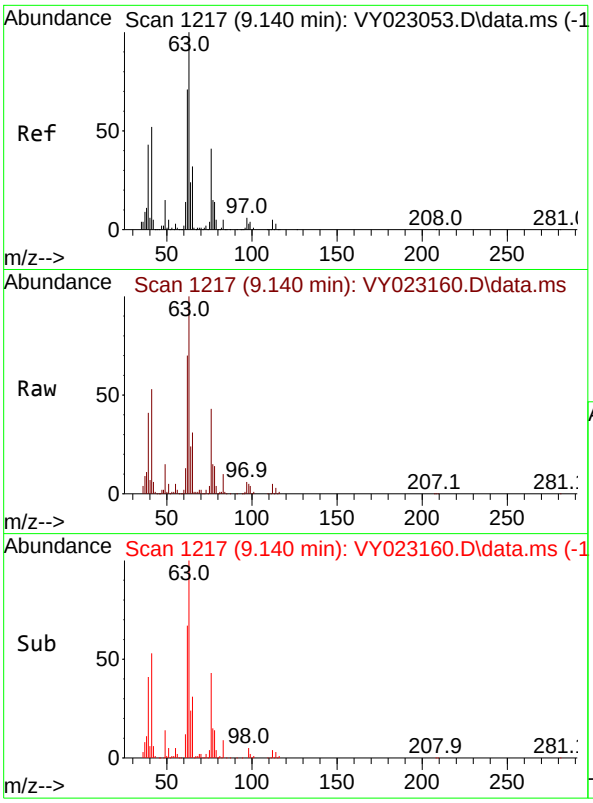


#44
Trichloroethene
Concen: 51.782 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:130 Resp: 266609

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.2

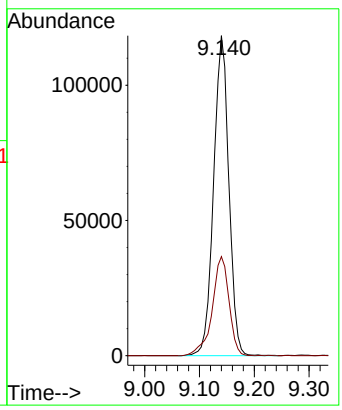




#45
1,2-Dichloropropane
Concen: 49.829 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 22842

Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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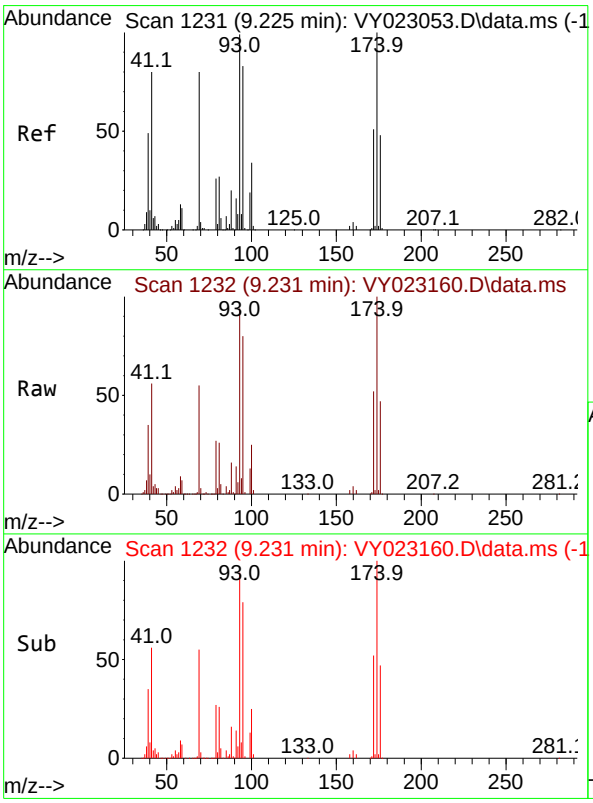
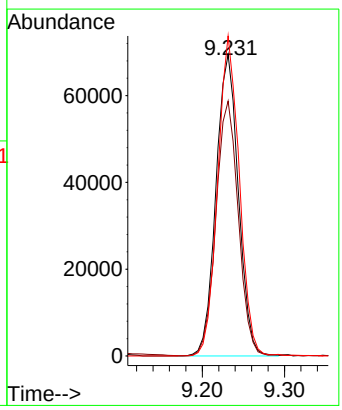
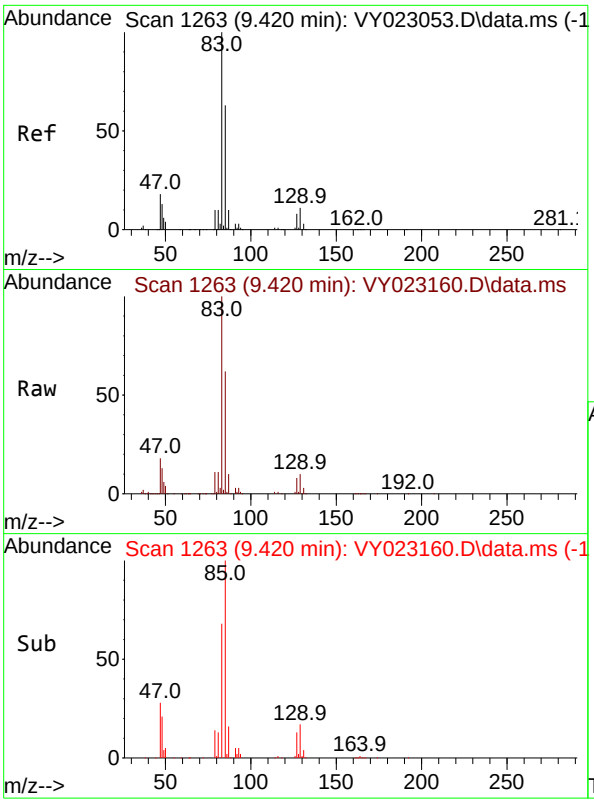


#46
Dibromomethane
Concen: 49.971 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 93 Resp: 131481

Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.5	99.7
174	102.7	81.8	122.8

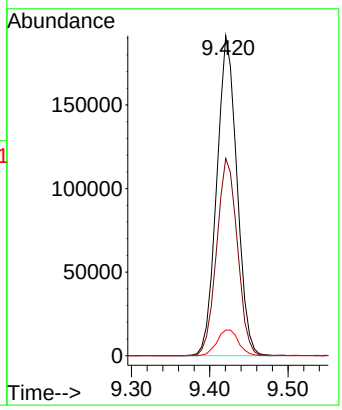




#47
Bromodichloromethane
Concen: 50.703 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 83 Resp: 34327

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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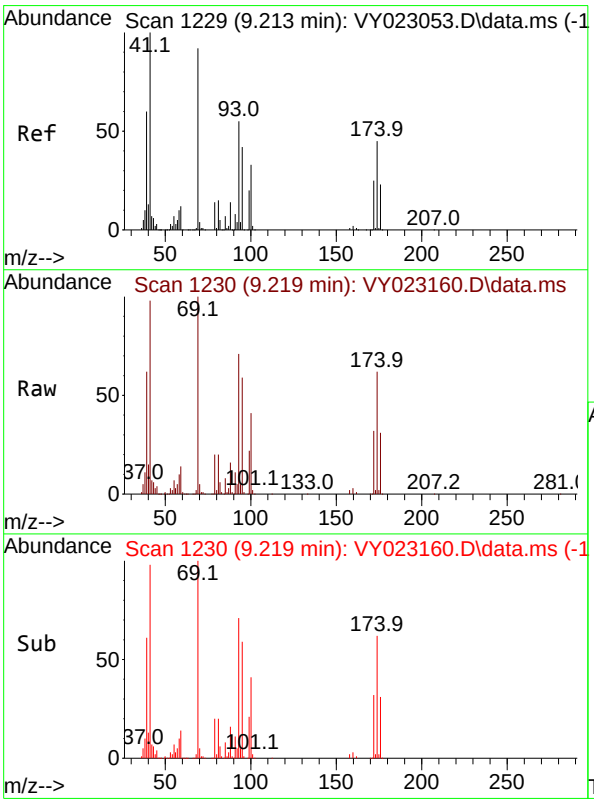
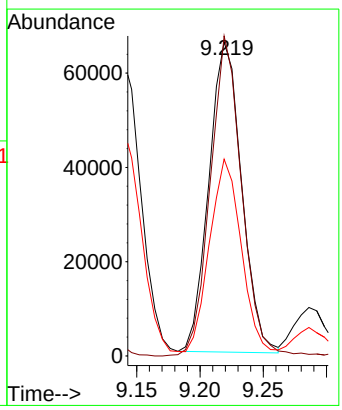
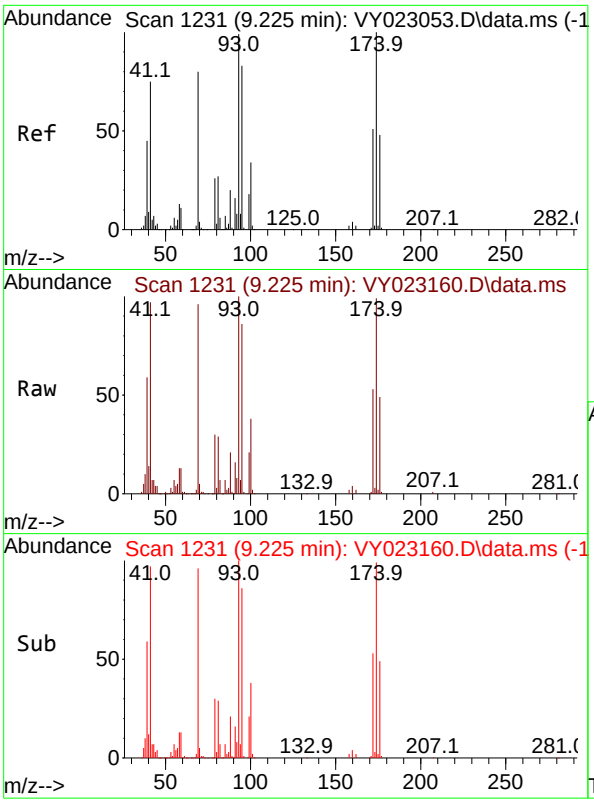


#48
Methyl methacrylate
Concen: 45.021 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 118237

Ion	Ratio	Lower	Upper
41	100		
69	99.0	73.2	109.8
39	59.8	47.0	70.4

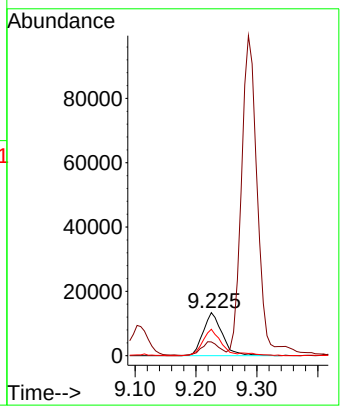




#49
1,4-Dioxane
Concen: 946.444 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 88 Resp: 2919

Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.3	36.5
58	57.5	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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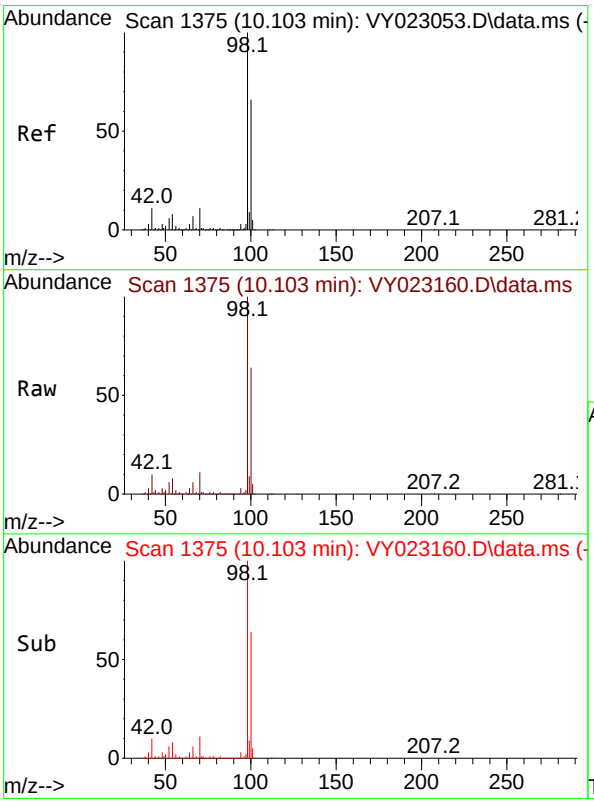
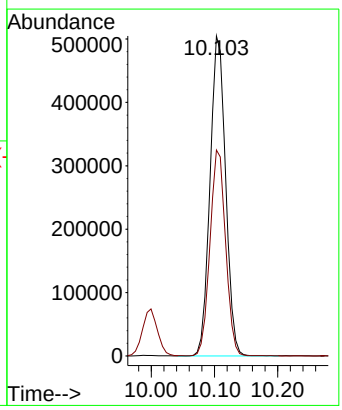
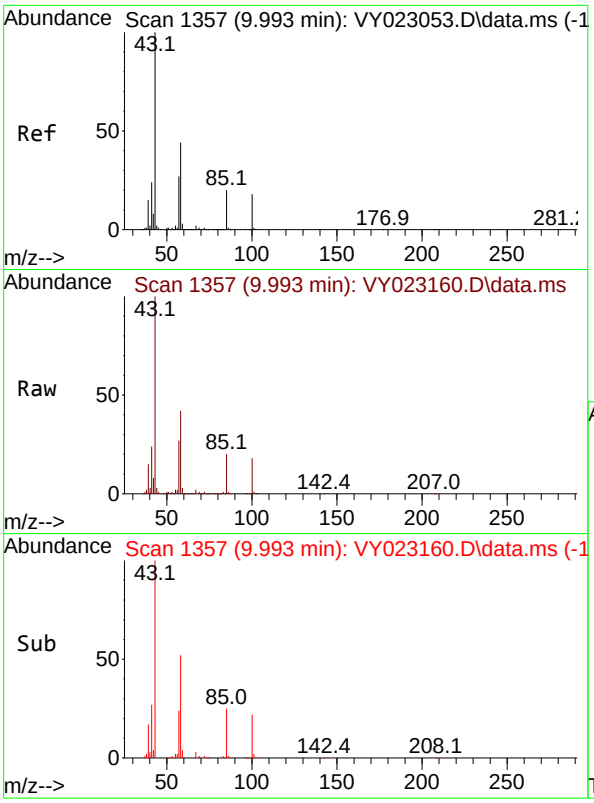


#50
Toluene-d8
Concen: 50.853 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 98 Resp: 864097

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.3	78.5

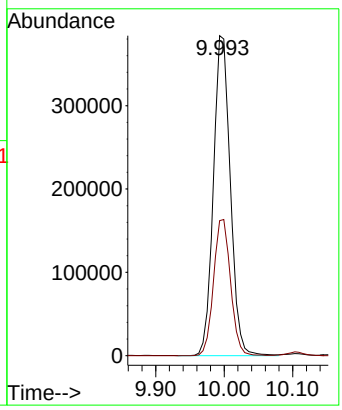




#51
4-Methyl-2-Pentanone
Concen: 231.971 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 65671

Ion	Ratio	Lower	Upper
43	100		
58	42.9	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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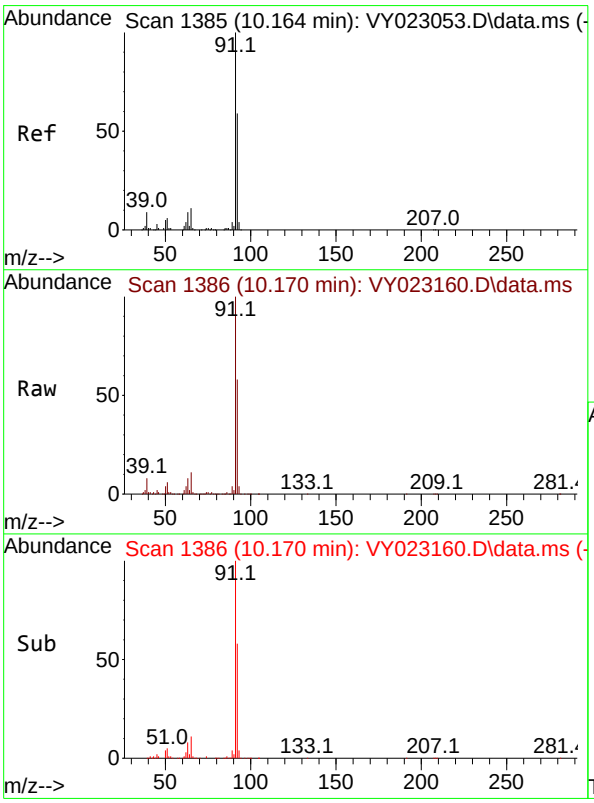
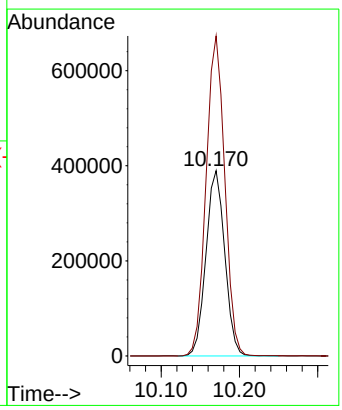
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

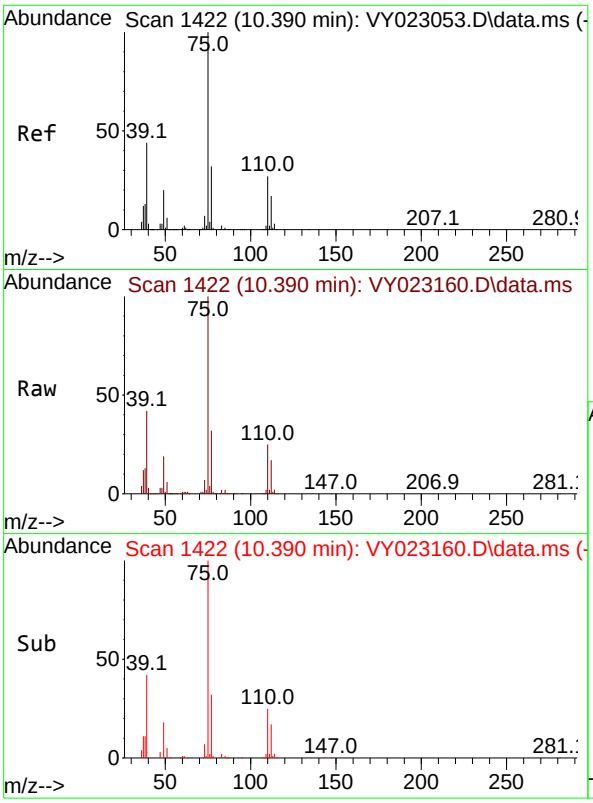


#52
Toluene
Concen: 51.179 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 92 Resp: 647611

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 29610

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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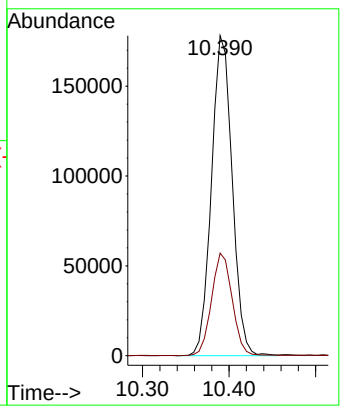
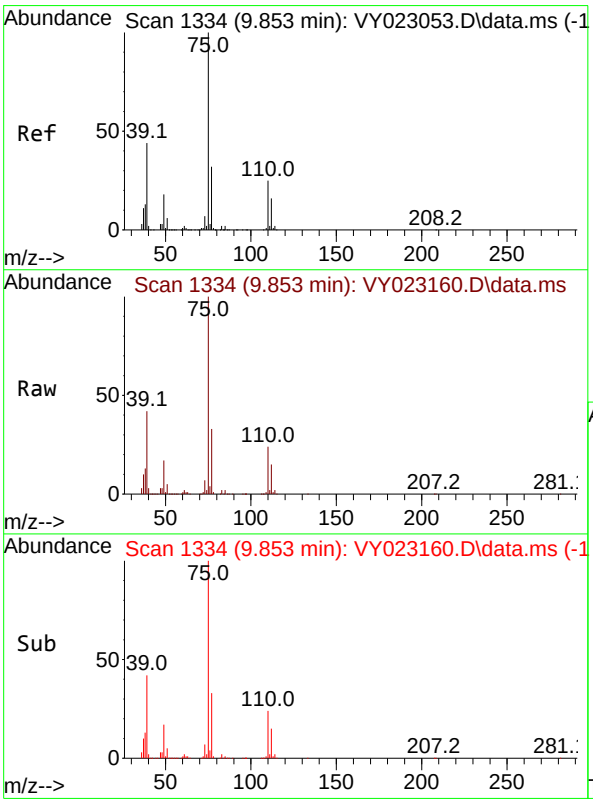
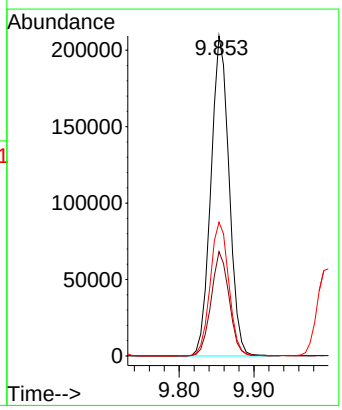


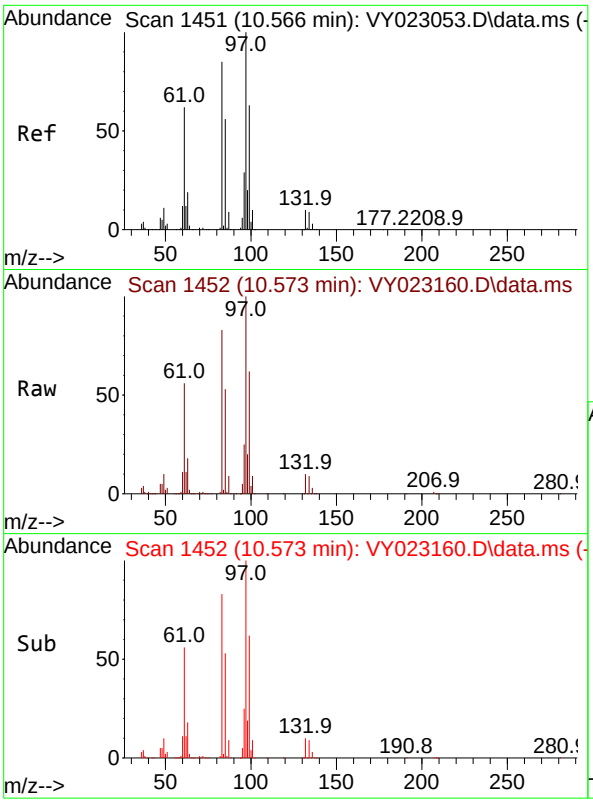


#54
cis-1,3-Dichloropropene
Concen: 48.751 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 353426

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0
39	41.7	35.6	53.4

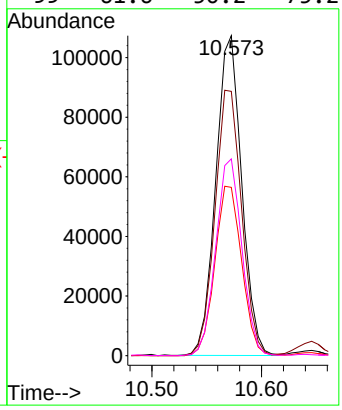




#55
1,1,2-Trichloroethane
Concen: 50.180 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 97 Resp: 17667

Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.7	101.5
85	52.7	44.5	66.7
99	61.6	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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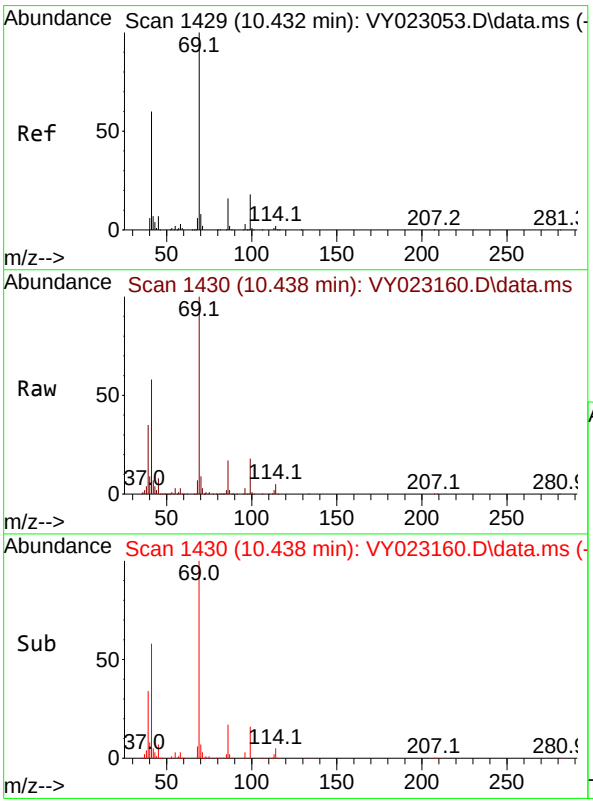
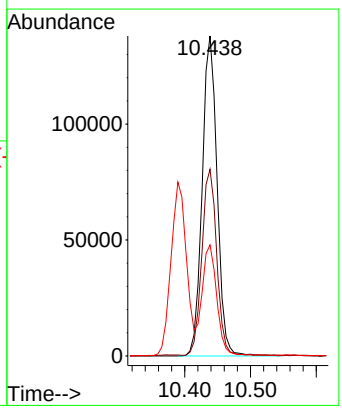
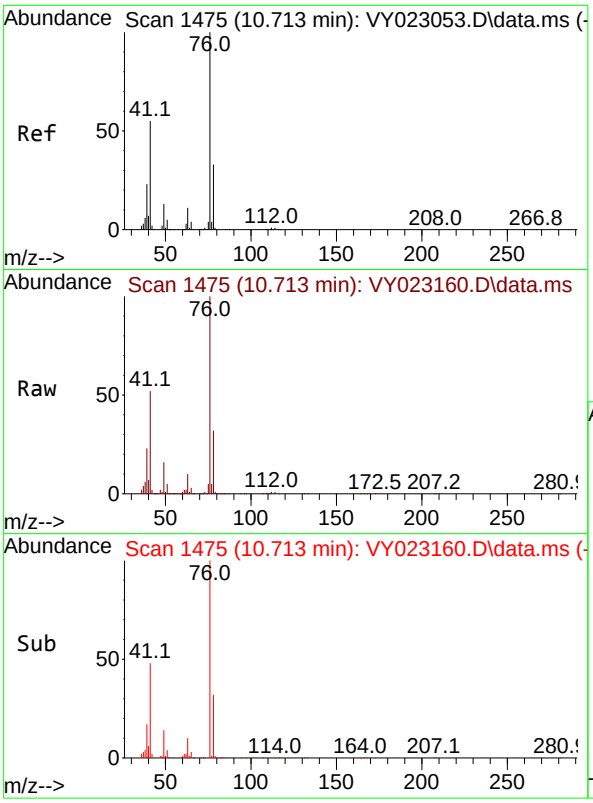


#56
Ethyl methacrylate
Concen: 48.375 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 69 Resp: 217938

Ion	Ratio	Lower	Upper
69	100		
41	58.3	48.6	72.8
39	34.0	27.0	40.4





#57
1,3-Dichloropropane
Concen: 48.952 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 76 Resp: 29229

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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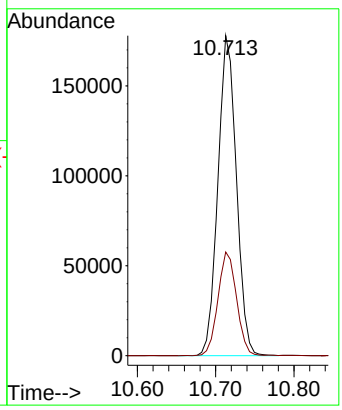
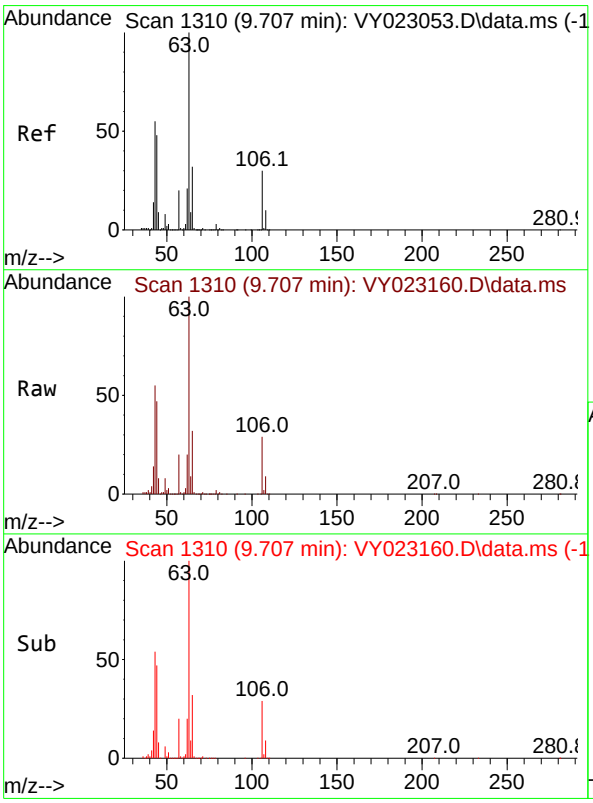
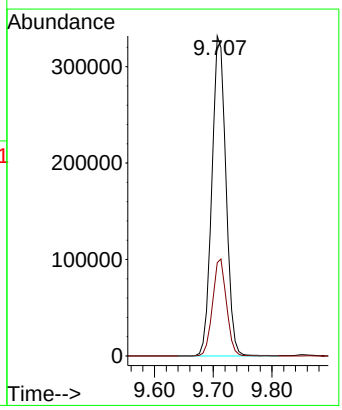


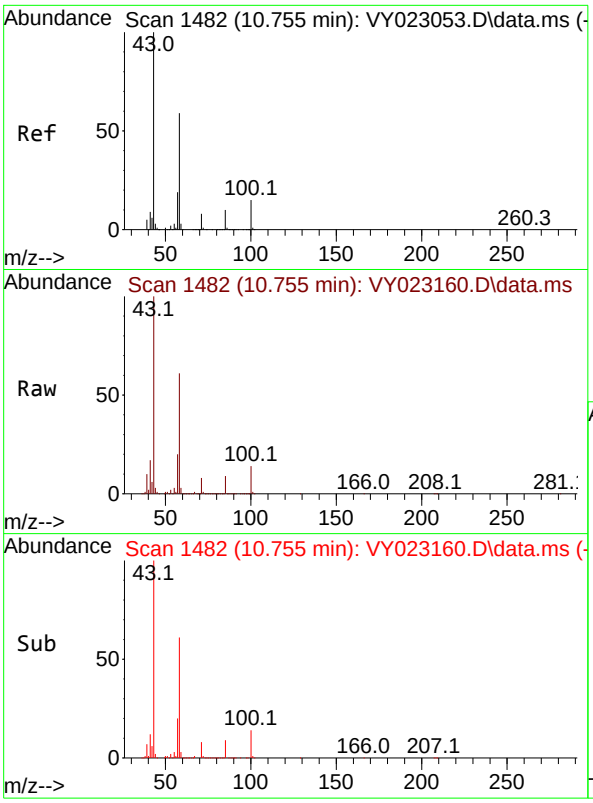


#58
2-Chloroethyl Vinyl ether
Concen: 259.330 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 551100

Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.2	34.8





#59
2-Hexanone
Concen: 225.681 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 43504

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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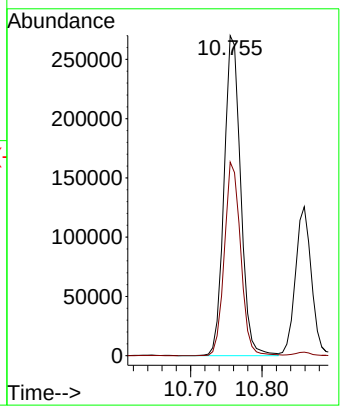
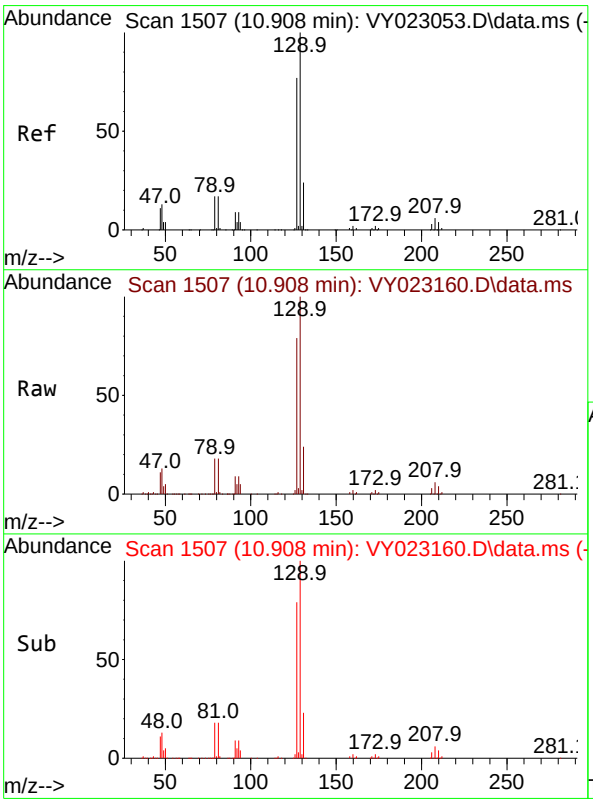
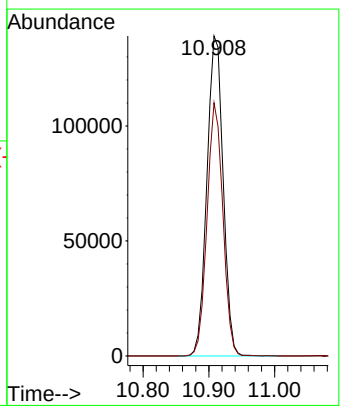


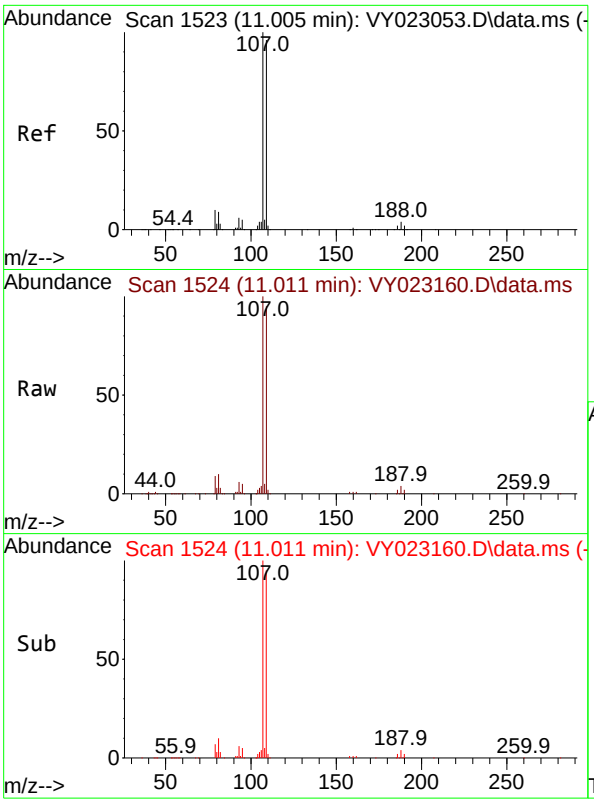


#60
Dibromochloromethane
Concen: 51.365 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:129 Resp: 238623

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5

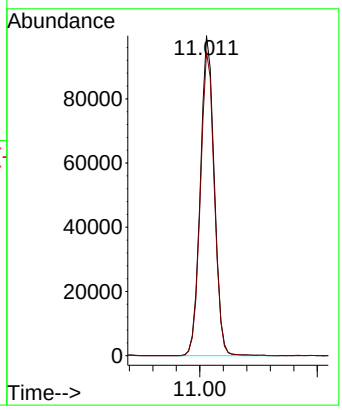




#61
1,2-Dibromoethane
Concen: 49.588 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:107 Resp: 16409

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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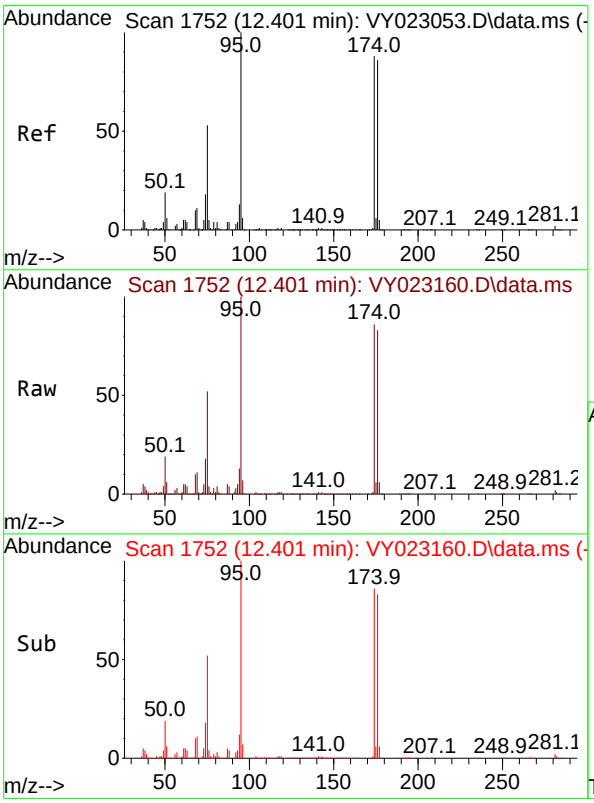
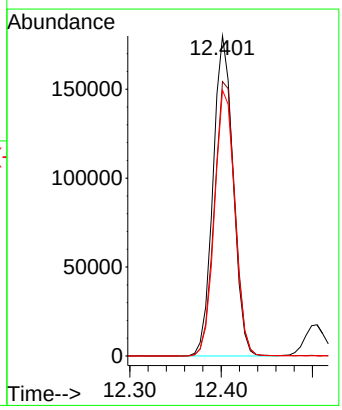
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

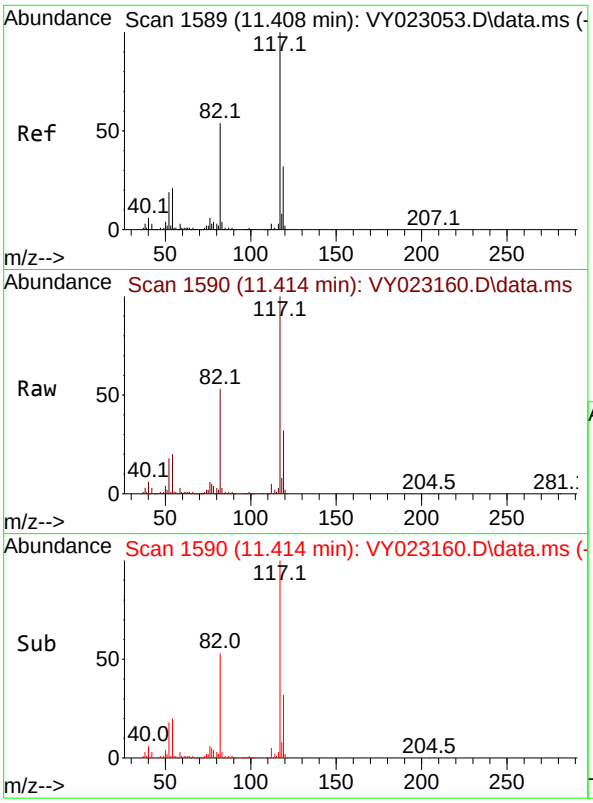


#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 95 Resp: 274917

Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	171.6
176	84.1	0.0	167.6

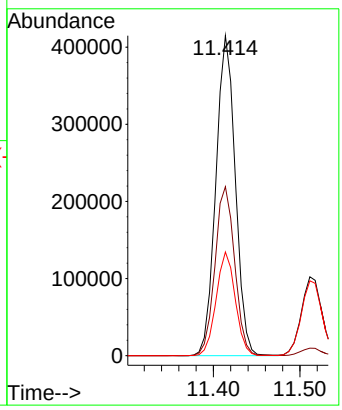




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:117 Resp: 64723

Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.4	65.0
119	32.4	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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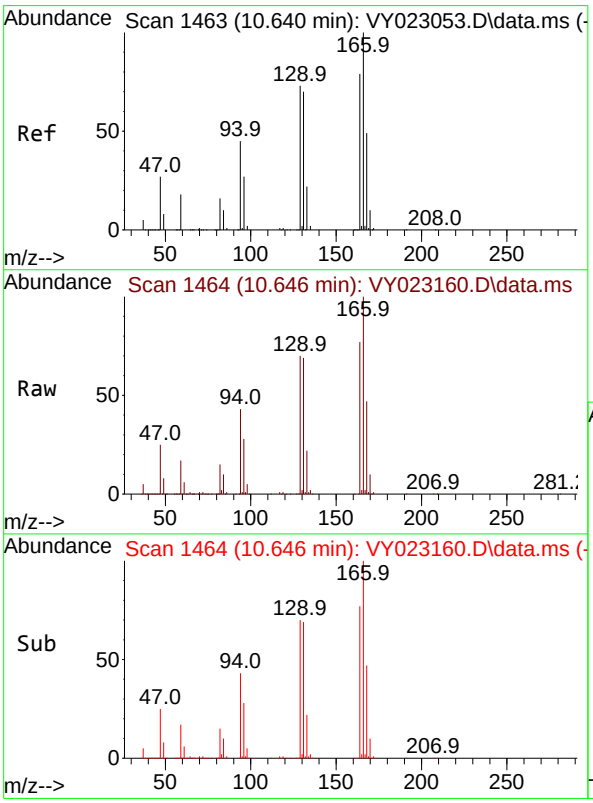
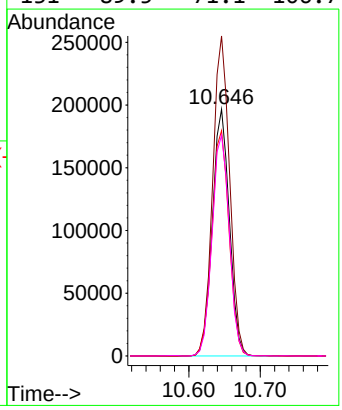
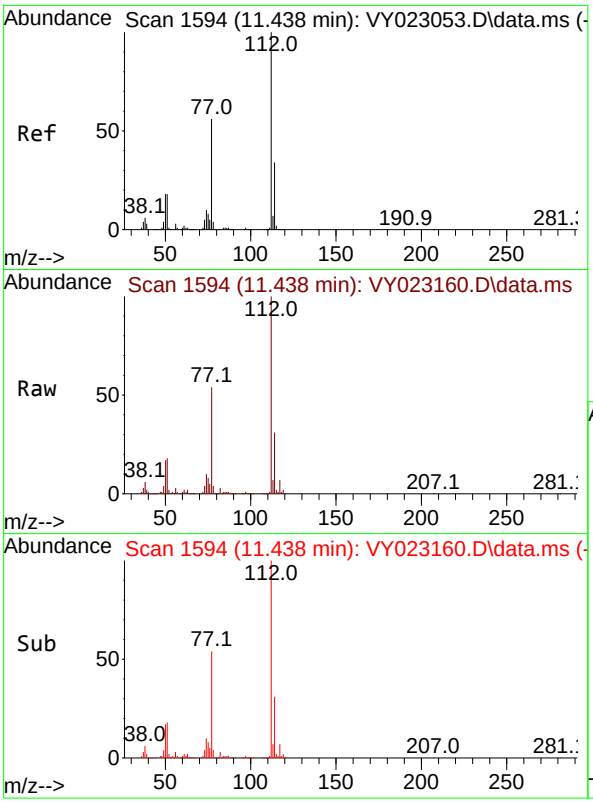


#64
Tetrachloroethene
Concen: 56.055 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:164 Resp: 323963

Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.1	151.7
129	91.3	74.0	111.0
131	89.5	71.1	106.7

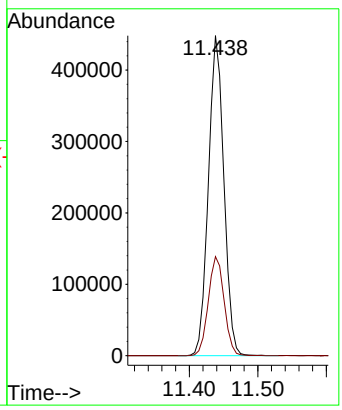




#65
Chlorobenzene
Concen: 50.434 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:112 Resp: 70410

Ion	Ratio	Lower	Upper
112	100		
114	31.0	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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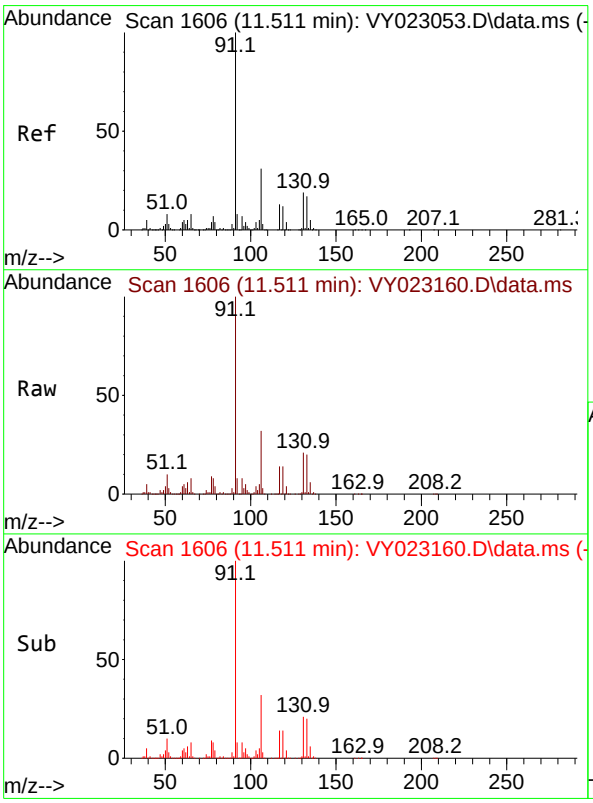
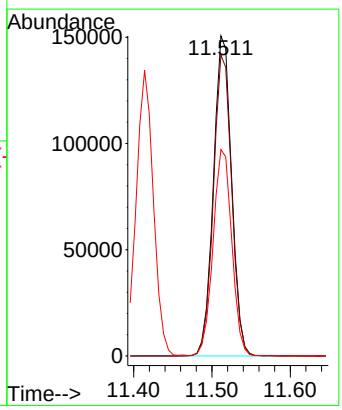
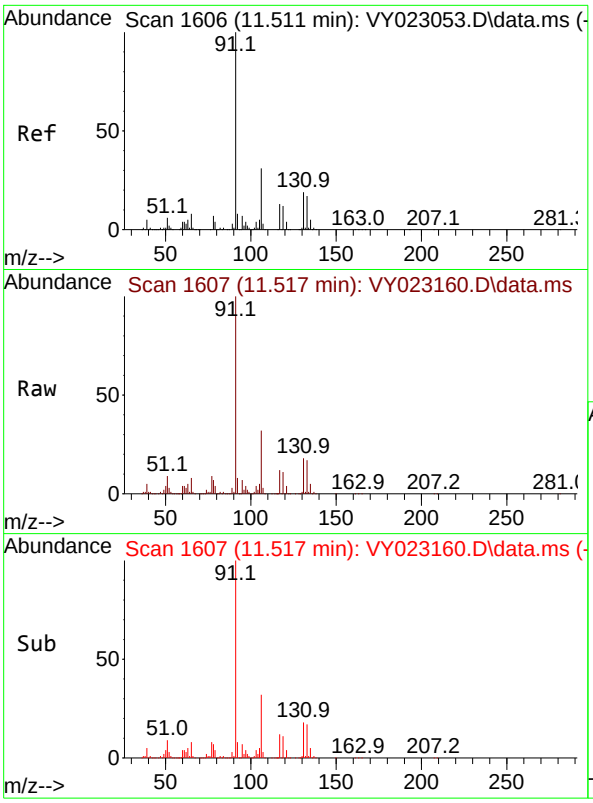


#66
1,1,1,2-Tetrachloroethane
Concen: 51.411 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:131 Resp: 243596

Ion	Ratio	Lower	Upper
131	100		
133	94.2	46.9	140.6
119	66.4	33.2	99.6

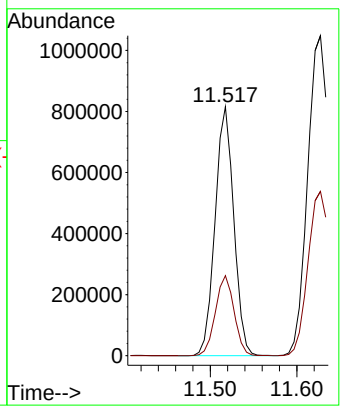




#67
Ethyl Benzene
Concen: 50.888 ug/l
RT: 11.517 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 122260

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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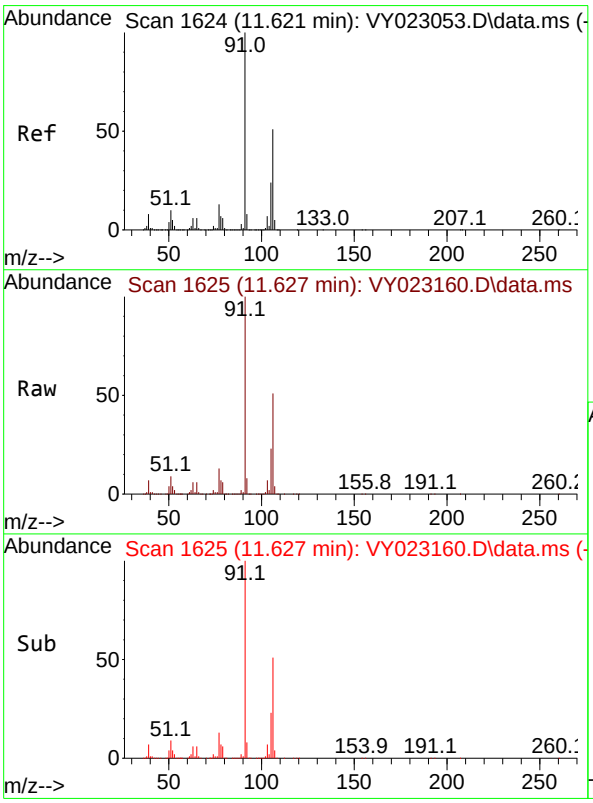
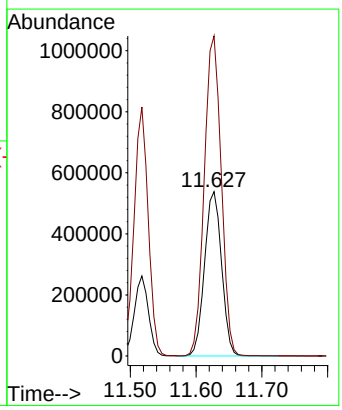
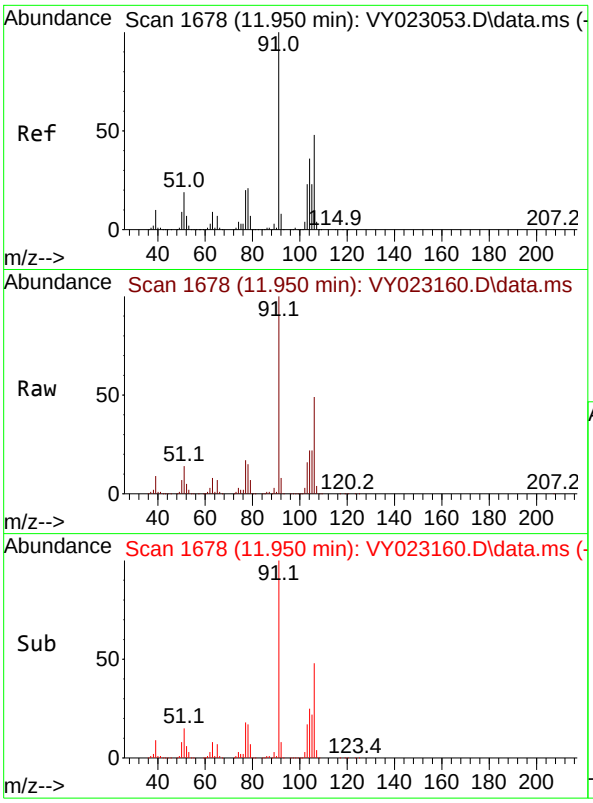


#68
m/p-Xylenes
Concen: 103.051 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:106 Resp: 966978

Ion	Ratio	Lower	Upper
106	100		
91	194.8	158.6	238.0





#69
o-Xylene
Concen: 51.799 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:106 Resp: 45523

Ion	Ratio	Lower	Upper
106	100		
91	204.7	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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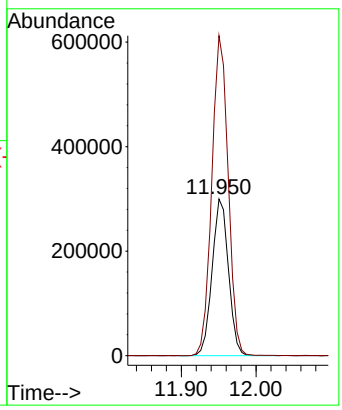
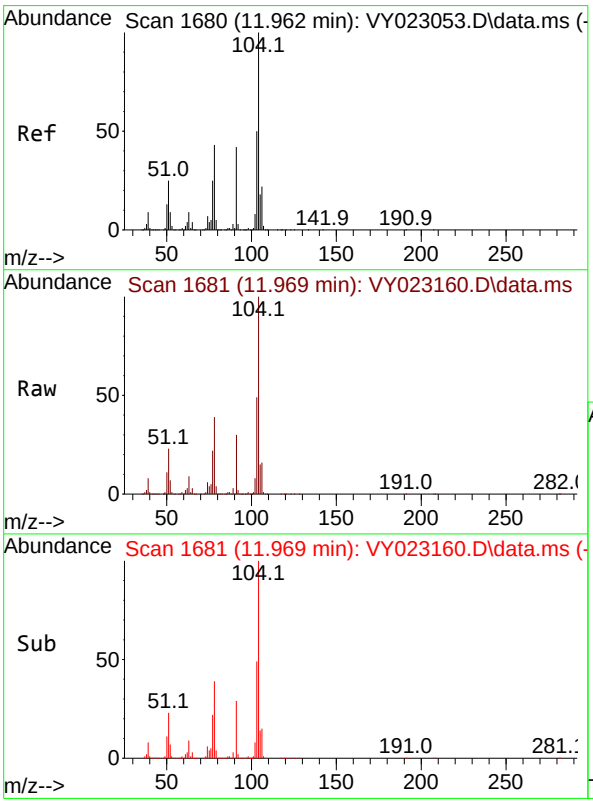
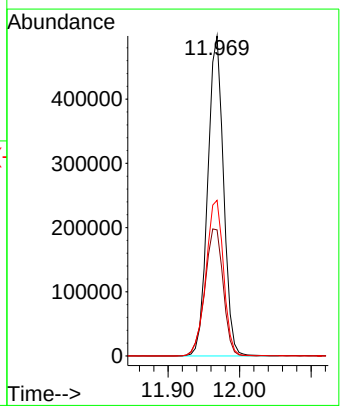


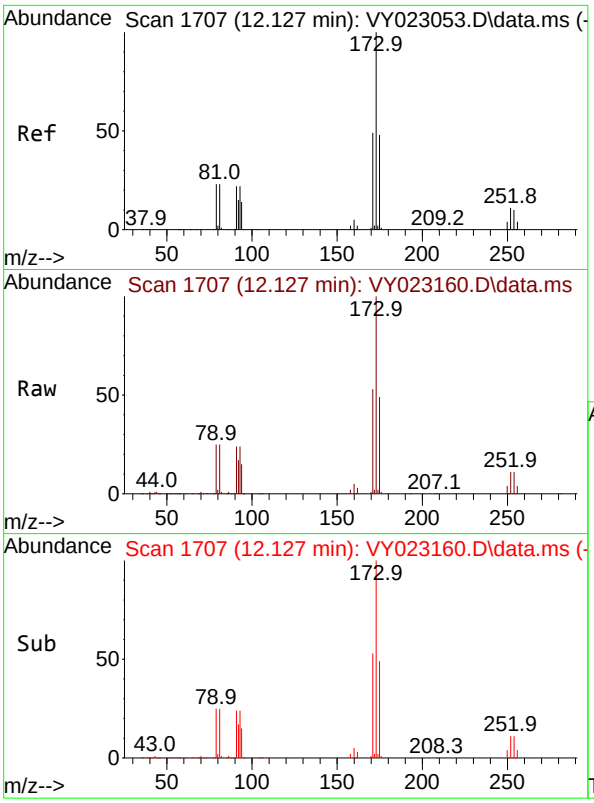


#70
Styrene
Concen: 53.132 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:104 Resp: 763639

Ion	Ratio	Lower	Upper
104	100		
78	46.1	38.5	57.7
103	54.4	43.7	65.5





#71
Bromoform
Concen: 48.980 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:173 Resp: 13563

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.2	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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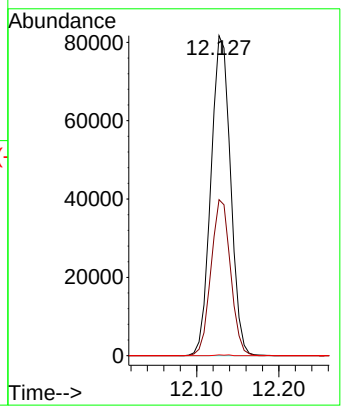
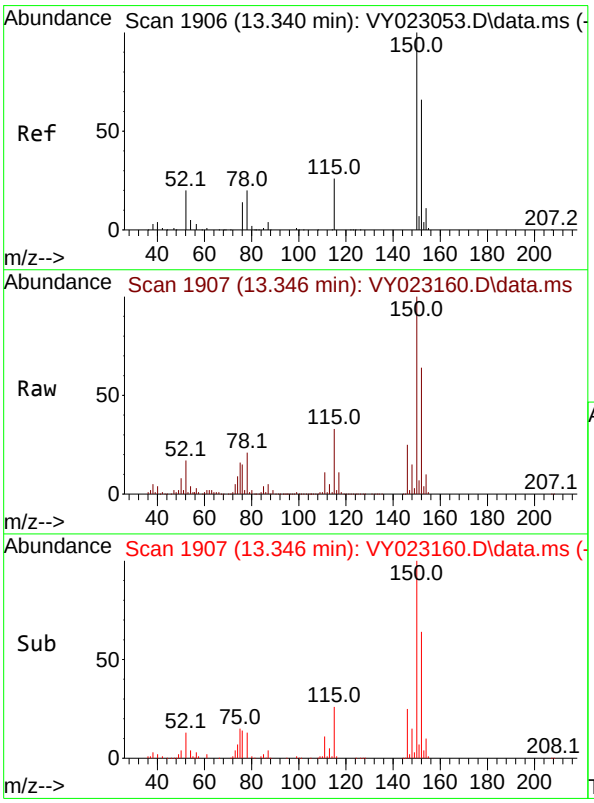
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

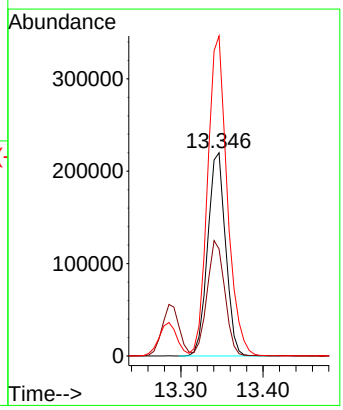


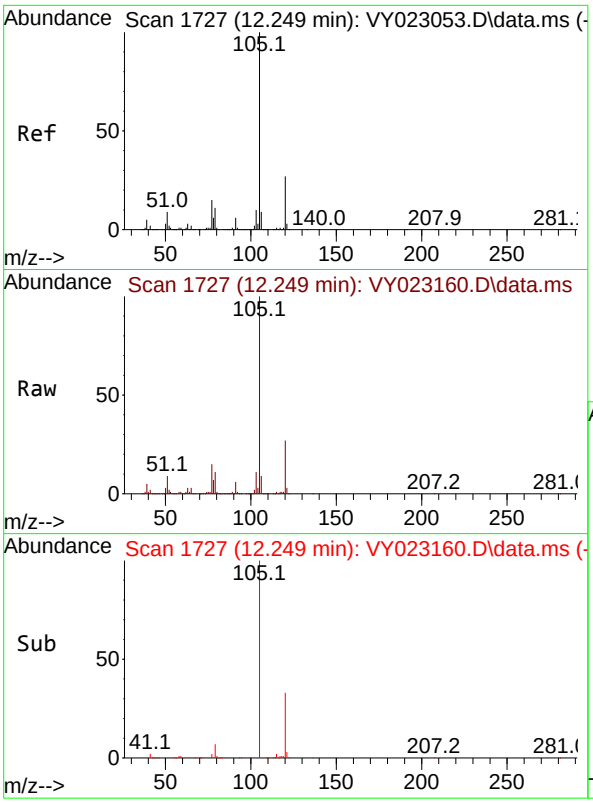


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:152 Resp: 333557

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	171.6	0.0	348.0

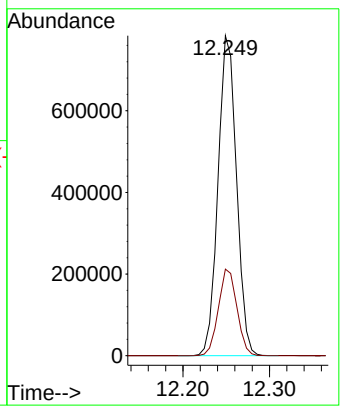




#73
Isopropylbenzene
Concen: 49.330 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 116133

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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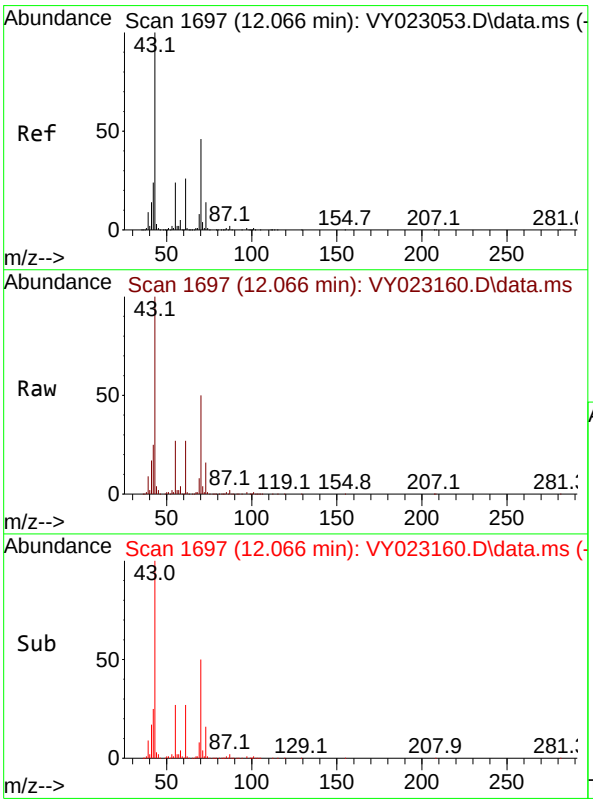
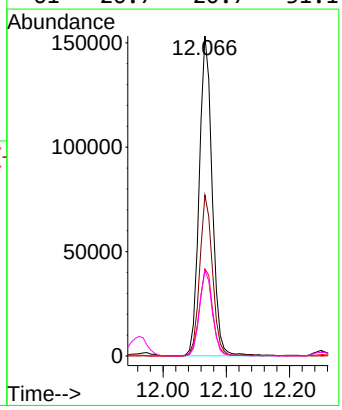
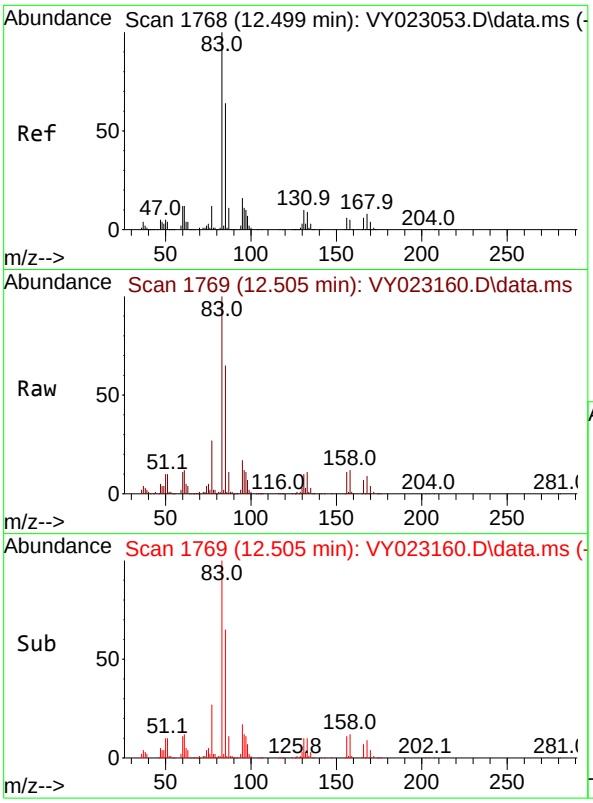


#74
N-amyl acetate
Concen: 43.613 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 217737

Ion	Ratio	Lower	Upper
43	100		
70	49.5	37.5	56.3
55	28.2	20.7	31.1
61	26.7	20.7	31.1

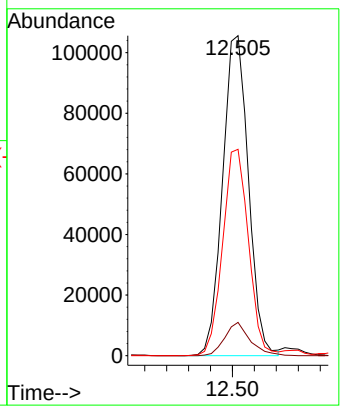




#75
1,1,2,2-Tetrachloroethane
Concen: 43.025 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 83 Resp: 17295

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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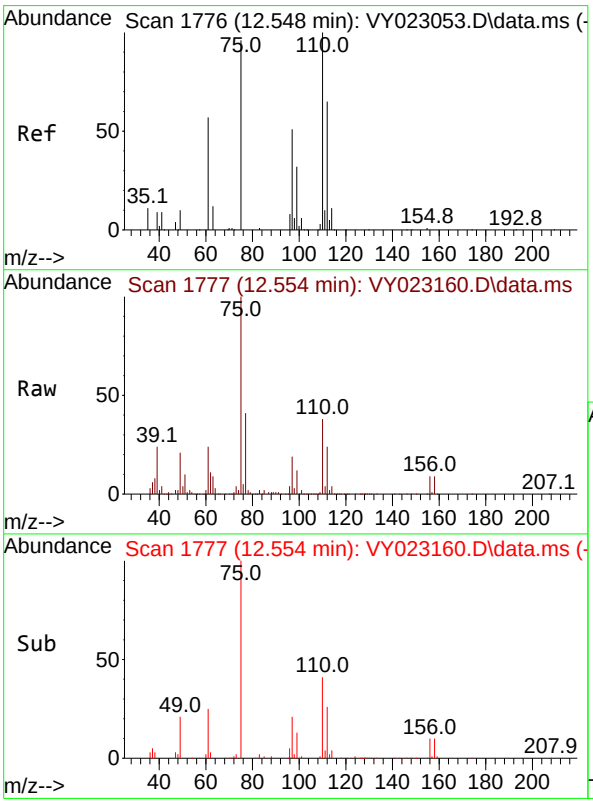
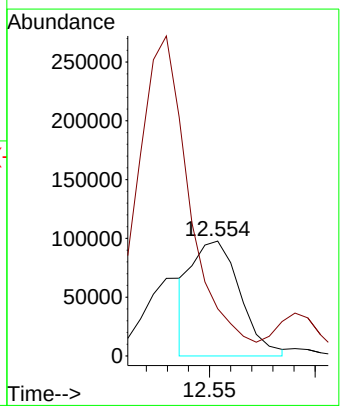
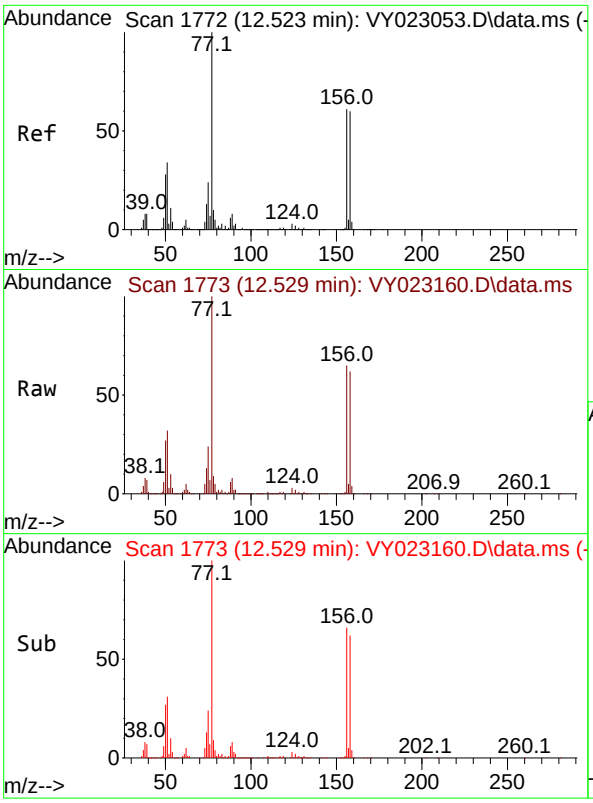


#76
1,2,3-Trichloropropane
Concen: 48.345 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 155632

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 48.690 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:156 Resp: 27346

Ion	Ratio	Lower	Upper
156	100		
77	172.9	88.1	264.4
158	97.9	48.0	144.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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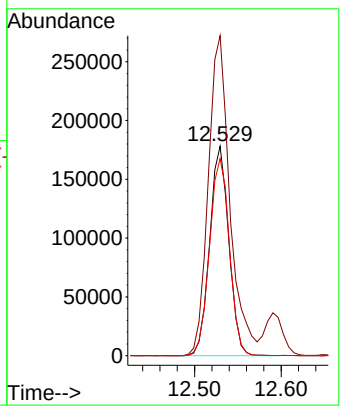
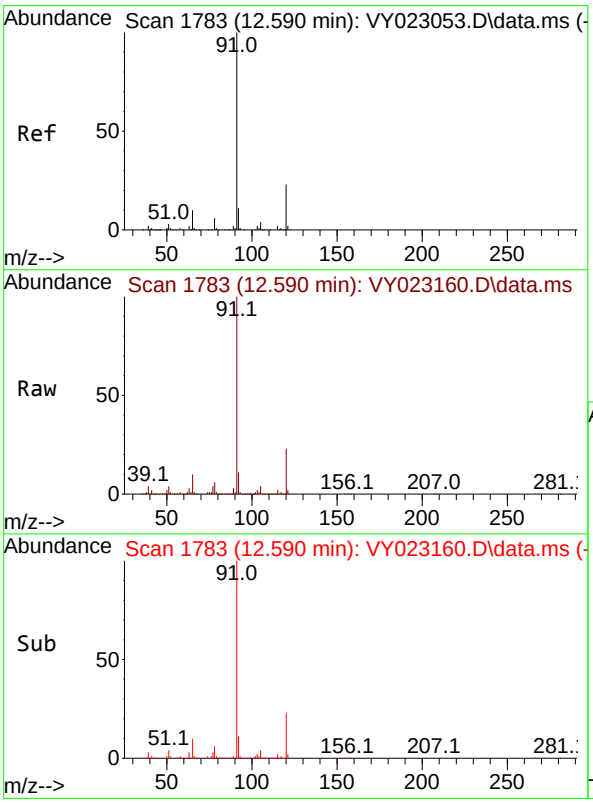
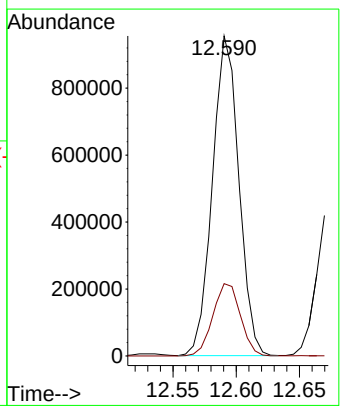


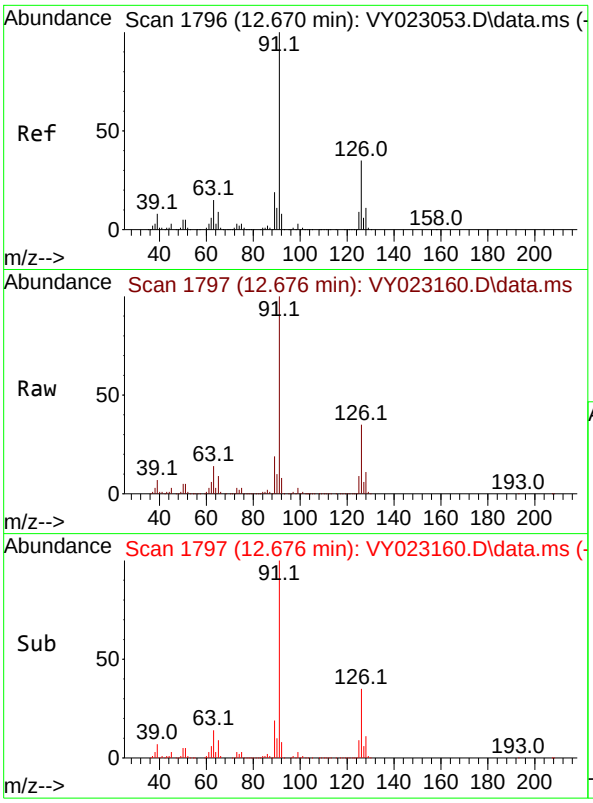


#78
n-propylbenzene
Concen: 49.502 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 1387452

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5

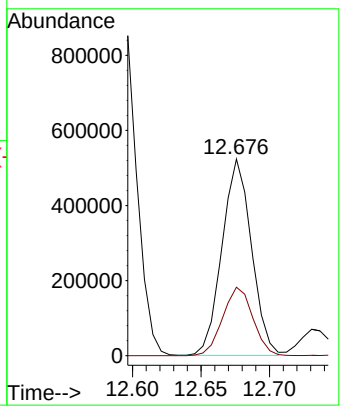




#79
2-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 78414

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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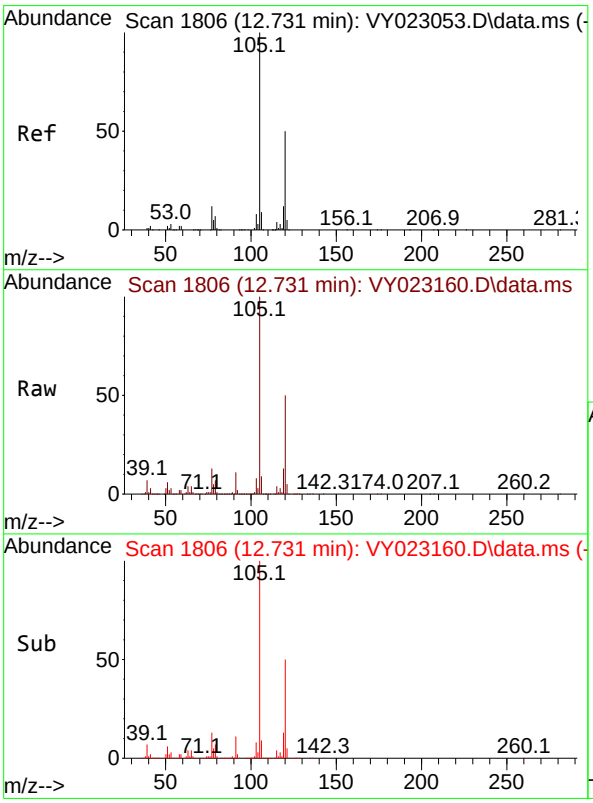
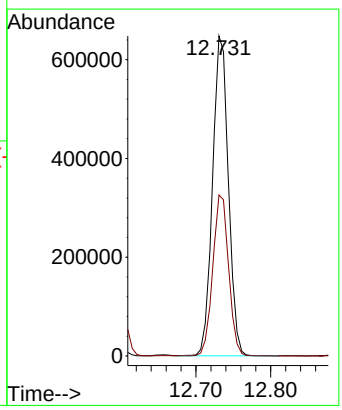
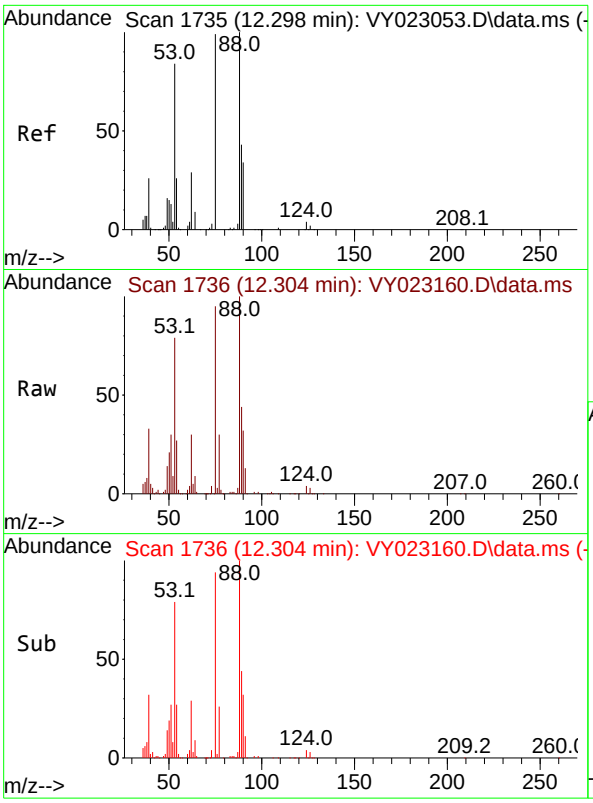


#80
1,3,5-Trimethylbenzene
Concen: 50.180 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 954748

Ion	Ratio	Lower	Upper
105	100		
120	50.5	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 43.134 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 5736

Ion	Ratio	Lower	Upper
75	100		
53	87.5	70.8	106.2
89	47.4	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/20/2025
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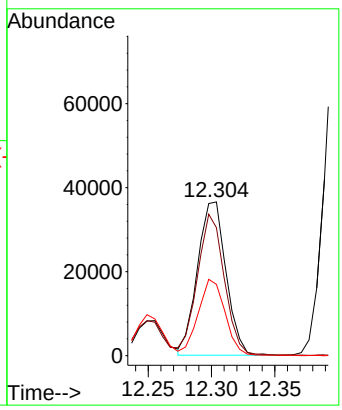
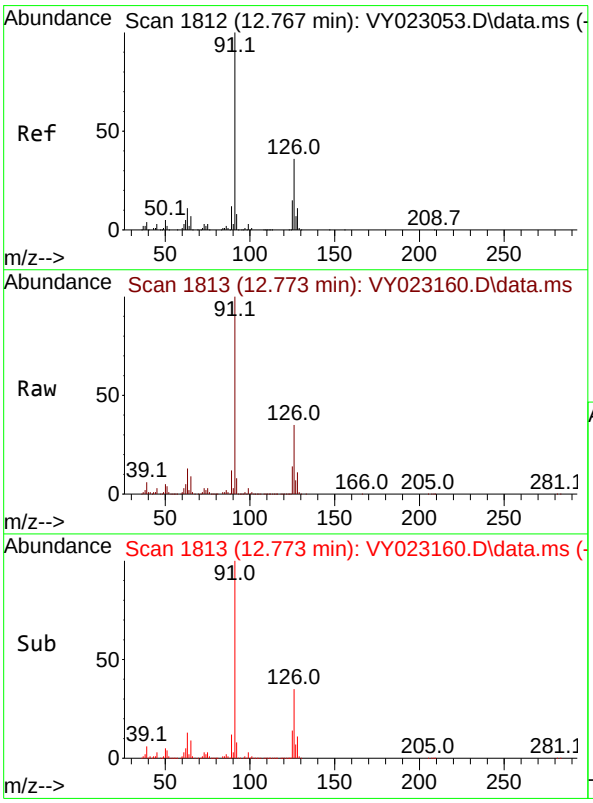
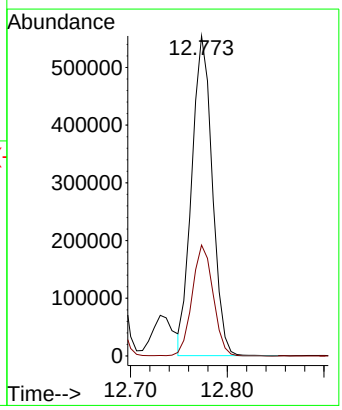


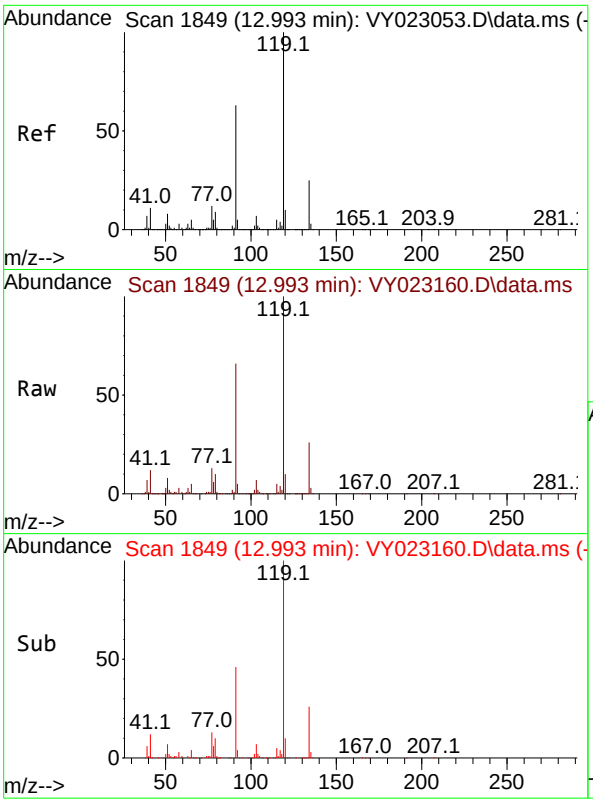


#82
4-Chlorotoluene
Concen: 48.995 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 816232

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	52.0

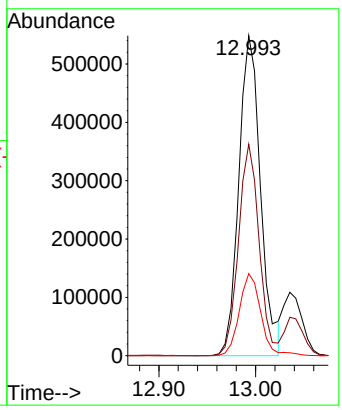




#83
tert-Butylbenzene
Concen: 49.921 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:119 Resp: 85785

Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.6	94.8
134	25.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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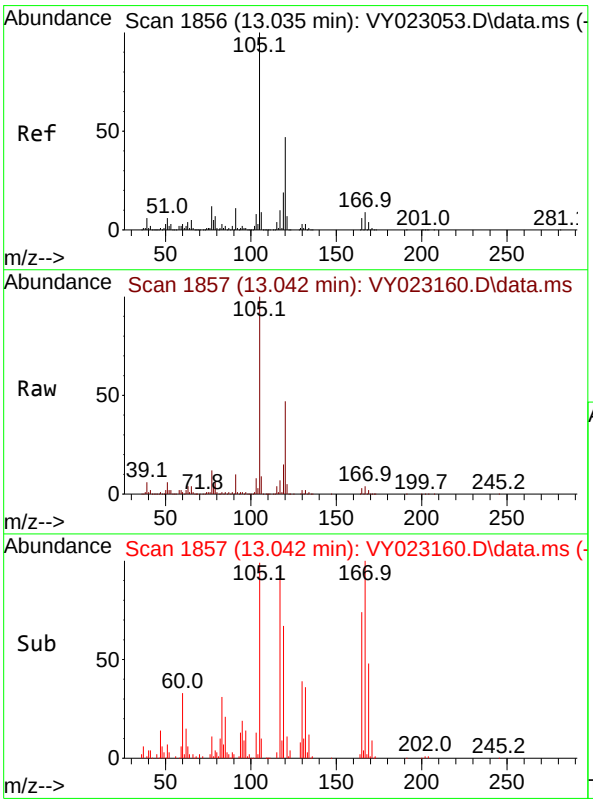
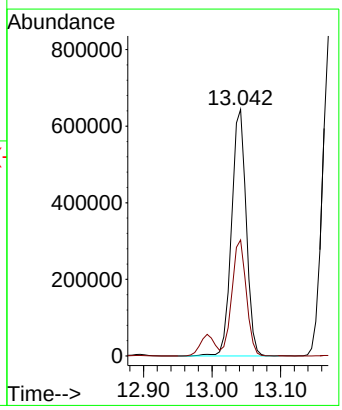
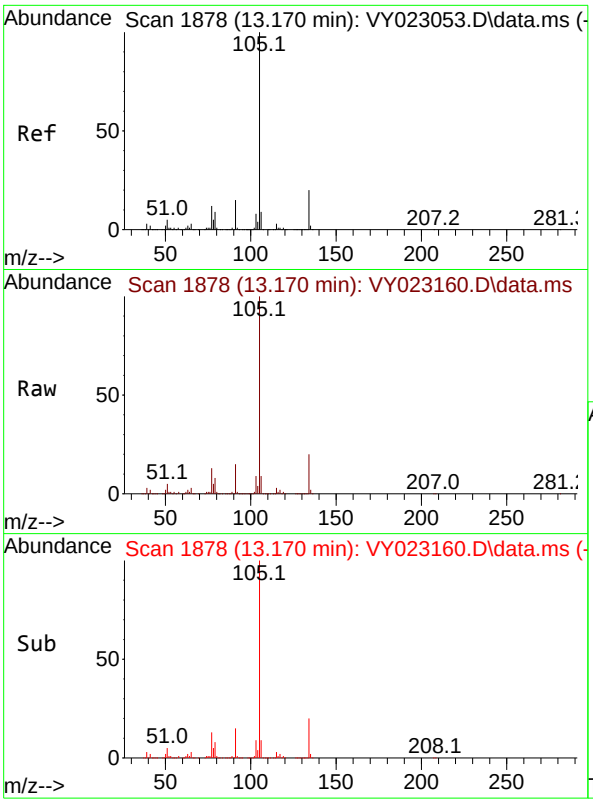


#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 956661

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0

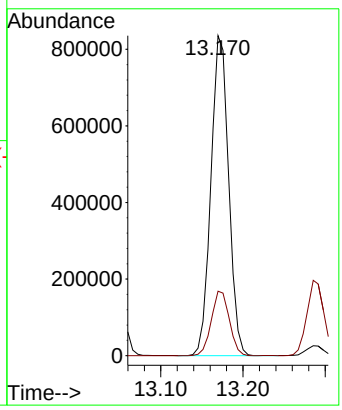




#85
sec-Butylbenzene
Concen: 49.485 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 124916

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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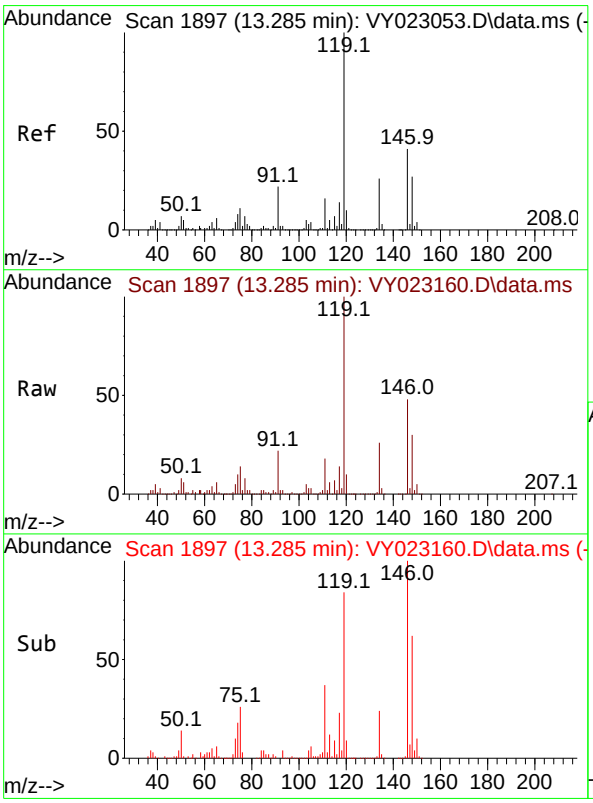
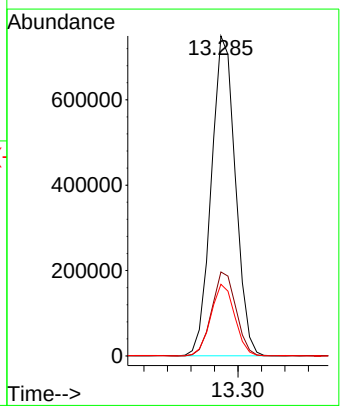
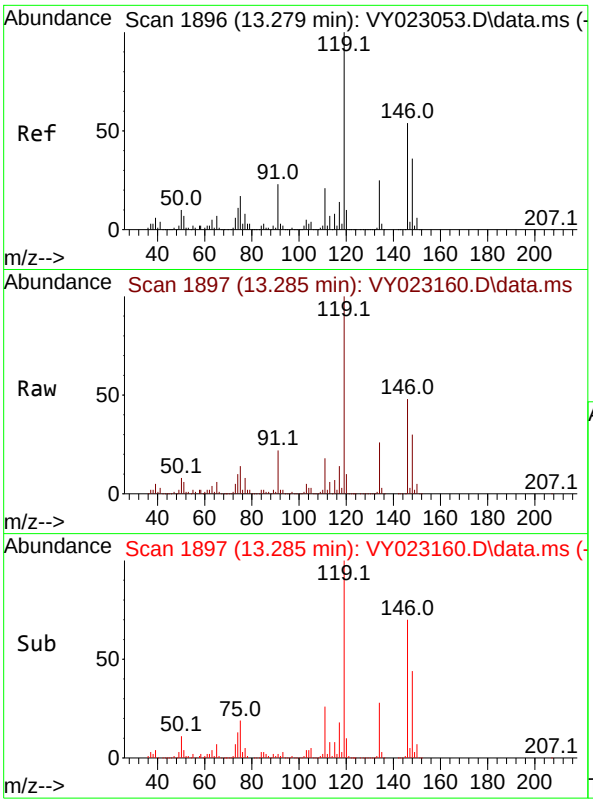


#86
p-Isopropyltoluene
Concen: 50.842 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:119 Resp: 1065308

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	22.3	11.3	33.8

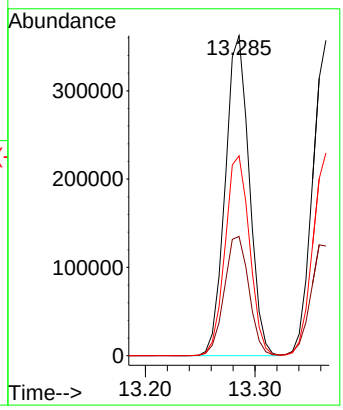




#87
1,3-Dichlorobenzene
Concen: 49.644 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:146 Resp: 54983

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	63.8	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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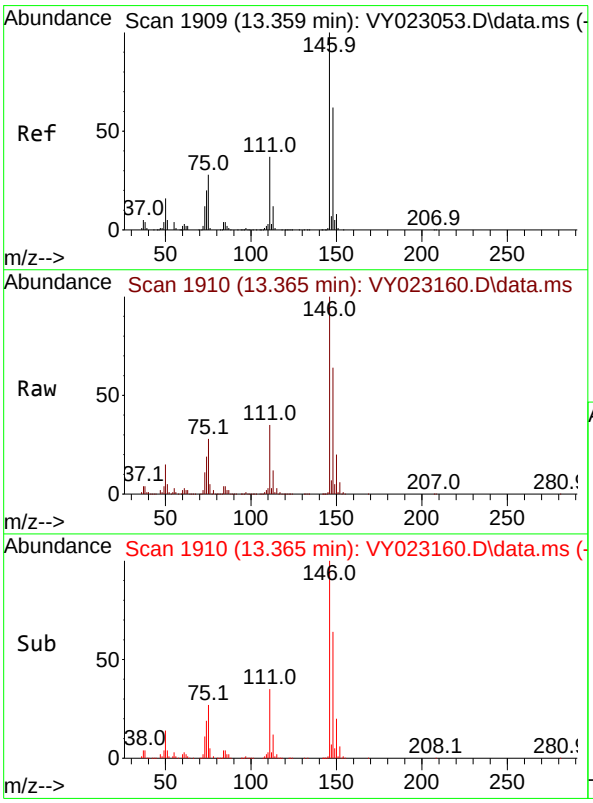
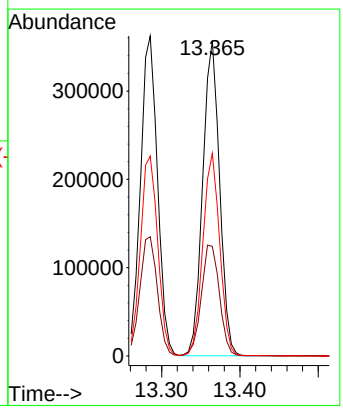
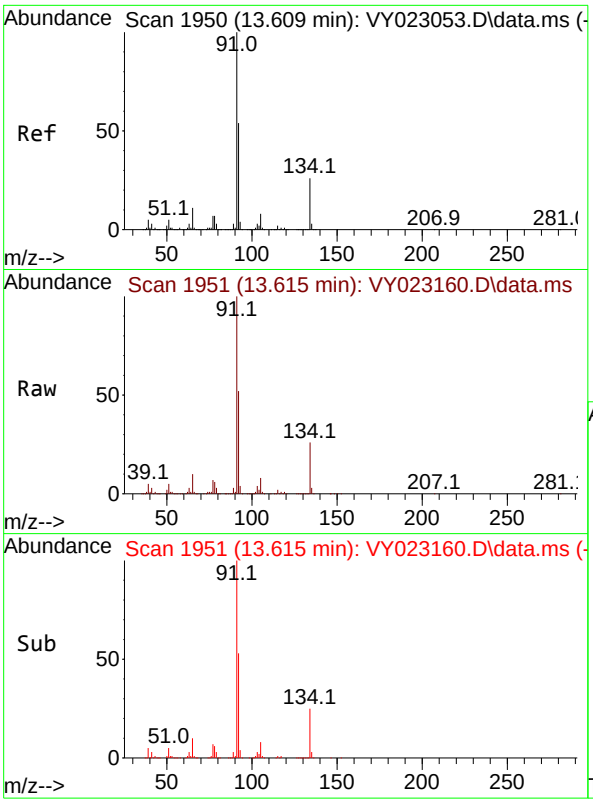


#88
1,4-Dichlorobenzene
Concen: 48.611 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:146 Resp: 534086

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.3	31.6	94.7





#89
n-Butylbenzene
Concen: 49.746 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

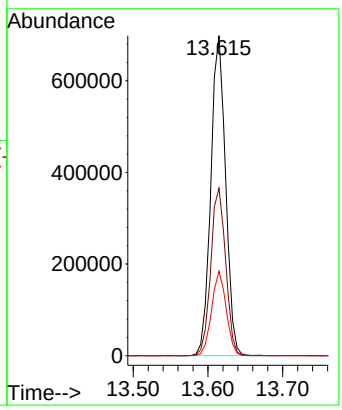
Tgt Ion: 91 Resp: 95733

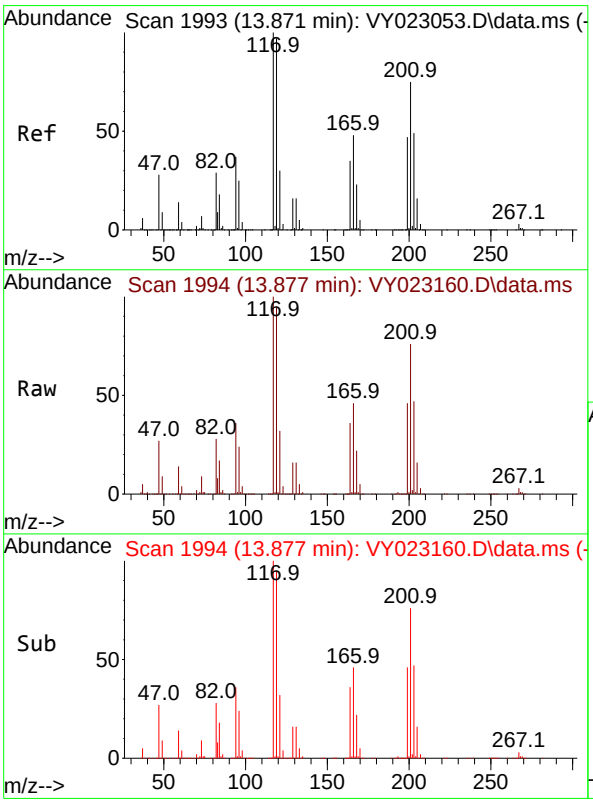
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	26.1	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

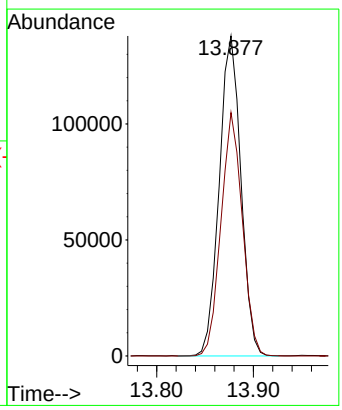


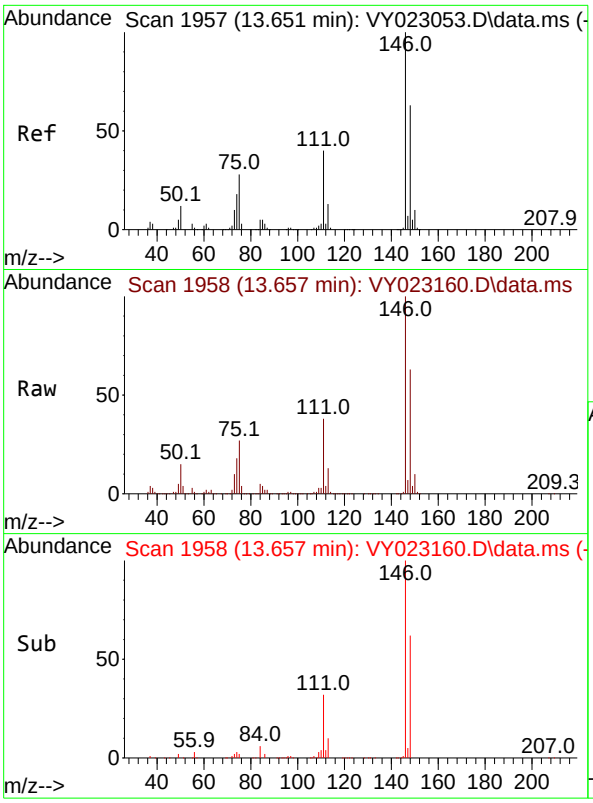


#90
Hexachloroethane
Concen: 50.008 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:117 Resp: 214503

Ion	Ratio	Lower	Upper
117	100		
201	75.0	38.4	115.1

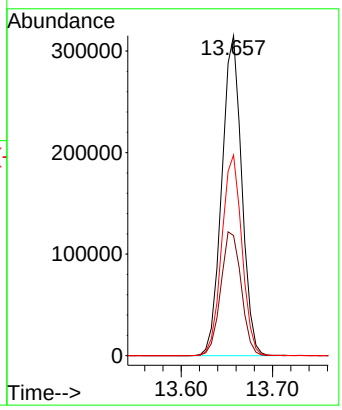




#91
1,2-Dichlorobenzene
Concen: 49.177 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:146 Resp: 47768

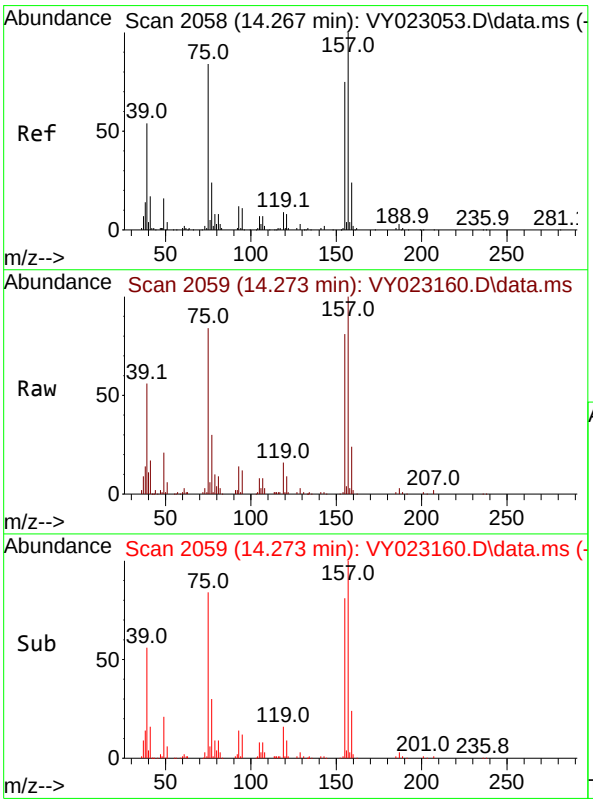
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.5	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

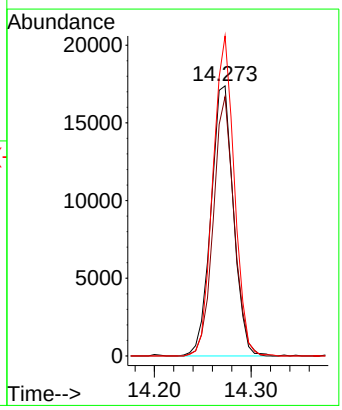
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

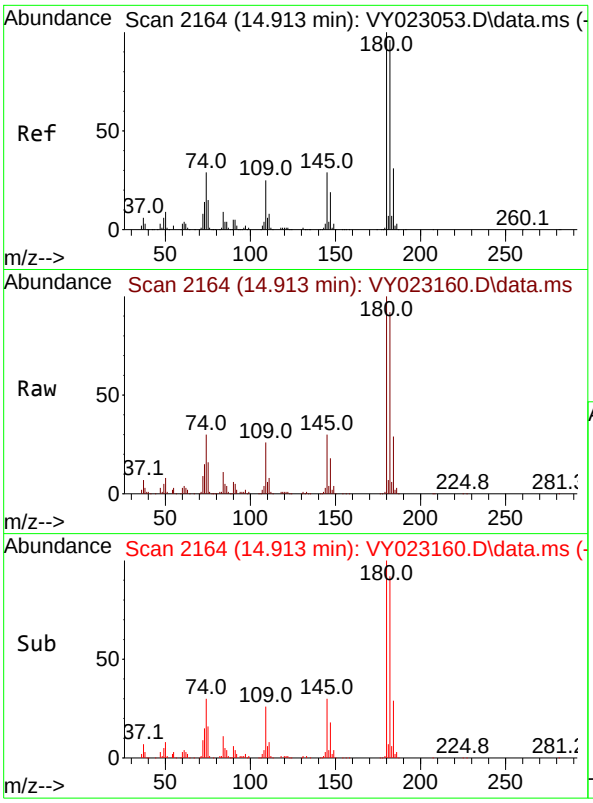


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 28063

Ion	Ratio	Lower	Upper
75	100		
155	88.7	43.9	131.6
157	112.5	57.2	171.6

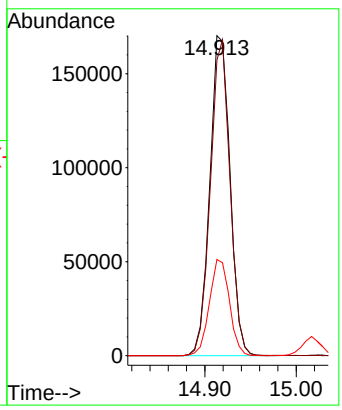




#93
1,2,4-Trichlorobenzene
Concen: 45.553 ug/l
RT: 14.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:180 Resp: 26166

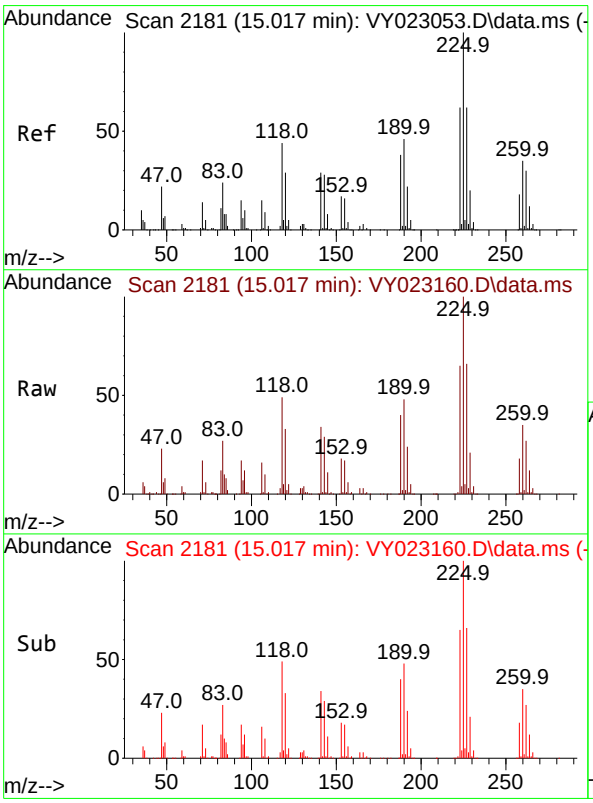
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.8	140.4
145	29.7	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

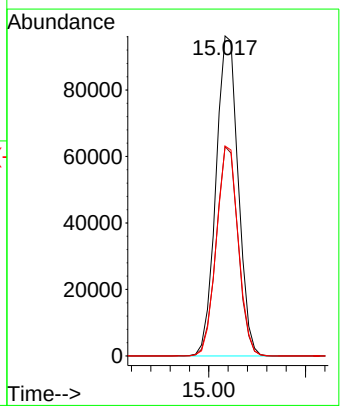
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

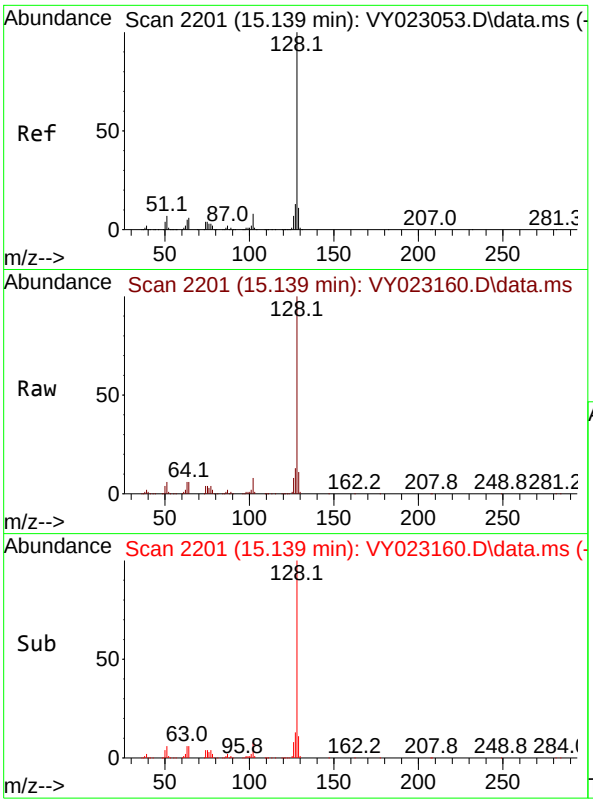


#94
Hexachlorobutadiene
Concen: 45.434 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:225 Resp: 153359

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.3	93.8
227	64.6	31.5	94.5

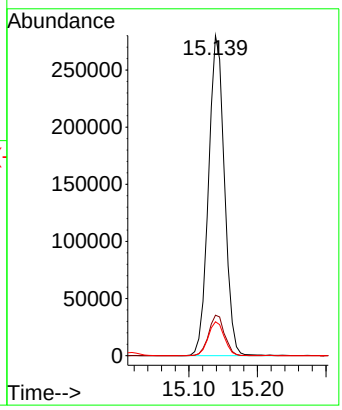




#95
Naphthalene
Concen: 46.168 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:128 Resp: 45221

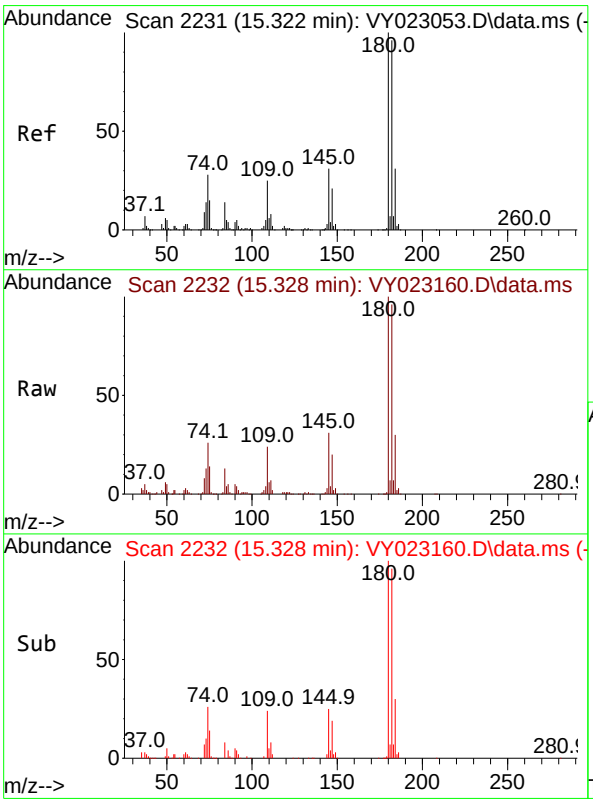
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

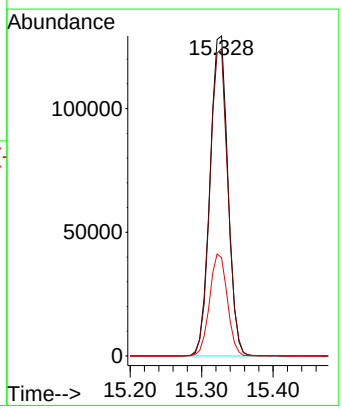
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.311 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:180 Resp: 224276

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	31.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	0.408	0.320	21.6	77	0.00
3	P	Chloromethane	0.661	0.610	7.7	85	0.00
4	C	Vinyl Chloride	0.817	0.782	4.3#	86	0.00
5	T	Bromomethane	0.610	0.614	-0.7	96	0.00
6	T	Chloroethane	0.543	0.553	-1.8	90	0.00
7	T	Trichlorofluoromethane	0.994	0.893	10.2	80	0.00
8	T	Diethyl Ether	0.263	0.245	6.8	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.442	9.8	81	0.00
10	T	Methyl Iodide	0.529	0.581	-9.8	89	0.00
11	T	Tert butyl alcohol	0.033	0.028	15.2	73	0.00
12	CM	1,1-Dichloroethene	0.482	0.454	5.8#	83	0.00
13	T	Acrolein	0.048	0.021	56.3#	40#	0.00
14	T	Allyl chloride	0.709	0.635	10.4	78	0.00
15	T	Acrylonitrile	0.107	0.101	5.6	80	0.00
16	T	Acetone	0.103	0.077	25.2#	63	0.00
17	T	Carbon Disulfide	1.571	1.447	7.9	82	0.00
18	T	Methyl Acetate	0.307	0.309	-0.7	81	0.00
19	T	Methyl tert-butyl Ether	1.249	1.186	5.0	81	0.00
20	T	Methylene Chloride	0.620	0.539	13.1	89	0.00
21	T	trans-1,2-Dichloroethene	0.541	0.543	-0.4	87	0.01
22	T	Diisopropyl ether	1.541	1.476	4.2	82	0.00
23	T	Vinyl Acetate	0.852	0.761	10.7	76	0.00
24	P	1,1-Dichloroethane	0.942	0.933	1.0	86	0.00
25	T	2-Butanone	0.140	0.118	15.7	70	0.01
26	T	2,2-Dichloropropane	0.813	0.727	10.6	78	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.631	-0.8	87	0.00
28	T	Bromochloromethane	0.374	0.372	0.5	86	0.00
29	T	Tetrahydrofuran	0.087	0.078	10.3	75	0.00
30	C	Chloroform	0.971	0.985	-1.4#	88	0.00
31	T	Cyclohexane	0.888	0.746	16.0	77	0.00
32	T	1,1,1-Trichloroethane	0.862	0.852	1.2	86	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.470	1.5	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.299	0.299	0.0	86	0.00
36	T	1,1-Dichloropropene	0.445	0.425	4.5	83	0.00
37	T	Ethyl Acetate	0.187	0.166	11.2	75	0.00
38	T	Carbon Tetrachloride	0.483	0.470	2.7	85	0.00
39	T	Methylcyclohexane	0.586	0.534	8.9	80	0.00
40	TM	Benzene	1.370	1.375	-0.4	87	0.00
41	T	Methacrylonitrile	0.108	0.090	16.7	70	0.00
42	TM	1,2-Dichloroethane	0.356	0.348	2.2	85	0.00
43	T	Isopropyl Acetate	0.378	0.337	10.8	77	0.00
44	TM	Trichloroethene	0.354	0.367	-3.7	91	0.00
45	C	1,2-Dichloropropane	0.315	0.314	0.3#	86	0.00
46	T	Dibromomethane	0.181	0.181	0.0	86	0.00
47	T	Bromodichloromethane	0.466	0.472	-1.3	87	0.00
48	T	Methyl methacrylate	0.181	0.163	9.9	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	1.169	1.189	-1.7	88	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.181	7.2	77	0.00
52	CM	Toluene	0.870	0.891	-2.4#	88	0.00
53	T	t-1,3-Dichloropropene	0.422	0.407	3.6	82	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.486	2.6	83	0.00
55	T	1,1,2-Trichloroethane	0.242	0.243	-0.4	86	0.00
56	T	Ethyl methacrylate	0.310	0.300	3.2	80	0.00
57	T	1,3-Dichloropropane	0.411	0.402	2.2	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.152	-4.1	83	0.00
59	T	2-Hexanone	0.133	0.120	9.8	74	0.00
60	T	Dibromochloromethane	0.320	0.328	-2.5	88	0.00
61	T	1,2-Dibromoethane	0.228	0.226	0.9	85	0.00
62	S	4-Bromofluorobenzene	0.376	0.378	-0.5	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.446	0.501	-12.3	99	0.00
65	PM	Chlorobenzene	1.079	1.088	-0.8	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.376	-2.7	90	0.00
67	C	Ethyl Benzene	1.856	1.889	-1.8#	87	0.00
68	T	m/p-Xylenes	0.725	0.747	-3.0	90	0.00
69	T	o-Xylene	0.679	0.703	-3.5	88	0.00
70	T	Styrene	1.110	1.180	-6.3	90	0.00
71	P	Bromoform	0.214	0.210	1.9	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.529	3.482	1.3	88	0.00
74	T	N-amyl acetate	0.748	0.653	12.7	75	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.519	13.9	78	0.00
76	T	1,2,3-Trichloropropane	0.483	0.467	3.3	77	0.00
77	T	Bromobenzene	0.842	0.820	2.6	87	0.00
78	T	n-propylbenzene	4.201	4.160	1.0	87	0.00
79	T	2-Chlorotoluene	2.407	2.351	2.3	87	0.00
80	T	1,3,5-Trimethylbenzene	2.852	2.862	-0.4	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.172	13.6	77	0.00
82	T	4-Chlorotoluene	2.497	2.447	2.0	88	0.00
83	T	tert-Butylbenzene	2.576	2.572	0.2	88	0.00
84	T	1,2,4-Trimethylbenzene	2.839	2.868	-1.0	89	0.00
85	T	sec-Butylbenzene	3.784	3.745	1.0	88	0.00
86	T	p-Isopropyltoluene	3.141	3.194	-1.7	89	0.00
87	T	1,3-Dichlorobenzene	1.660	1.648	0.7	90	0.00
88	T	1,4-Dichlorobenzene	1.647	1.601	2.8	88	0.00
89	T	n-Butylbenzene	2.885	2.870	0.5	87	0.00
90	T	Hexachloroethane	0.643	0.643	0.0	90	0.00
91	T	1,2-Dichlorobenzene	1.456	1.432	1.6	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.084	10.6	78	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.784	8.9	82	0.00
94	T	Hexachlorobutadiene	0.506	0.460	9.1	83	0.00
95	T	Naphthalene	1.468	1.356	7.6	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.672	9.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	50.000	39.160	21.7	77	0.00
3	P	Chloromethane	50.000	46.137	7.7	85	0.00
4	C	Vinyl Chloride	50.000	47.848	4.3#	86	0.00
5	T	Bromomethane	50.000	50.342	-0.7	96	0.00
6	T	Chloroethane	50.000	50.860	-1.7	90	0.00
7	T	Trichlorofluoromethane	50.000	44.950	10.1	80	0.00
8	T	Diethyl Ether	50.000	46.597	6.8	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.085	9.8	81	0.00
10	T	Methyl Iodide	50.000	54.928	-9.9	89	0.00
11	T	Tert butyl alcohol	250.000	211.323	15.5	73	0.00
12	CM	1,1-Dichloroethene	50.000	47.120	5.8#	83	0.00
13	T	Acrolein	250.000	110.581	55.8#	40	0.00
14	T	Allyl chloride	50.000	44.800	10.4	78	0.00
15	T	Acrylonitrile	250.000	235.673	5.7	80	0.00
16	T	Acetone	250.000	187.073	25.2#	63	0.00
17	T	Carbon Disulfide	50.000	46.066	7.9	82	0.00
18	T	Methyl Acetate	50.000	50.290	-0.6	81	0.00
19	T	Methyl tert-butyl Ether	50.000	47.480	5.0	81	0.00
20	T	Methylene Chloride	50.000	50.247	-0.5	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.119	-0.2	87	0.01
22	T	Diisopropyl ether	50.000	47.919	4.2	82	0.00
23	T	Vinyl Acetate	250.000	223.289	10.7	76	0.00
24	P	1,1-Dichloroethane	50.000	49.522	1.0	86	0.00
25	T	2-Butanone	250.000	210.456	15.8	70	0.01
26	T	2,2-Dichloropropane	50.000	44.729	10.5	78	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.390	-0.8	87	0.00
28	T	Bromochloromethane	50.000	49.712	0.6	86	0.00
29	T	Tetrahydrofuran	250.000	223.965	10.4	75	0.00
30	C	Chloroform	50.000	50.699	-1.4#	88	0.00
31	T	Cyclohexane	50.000	42.047	15.9	77	0.00
32	T	1,1,1-Trichloroethane	50.000	49.443	1.1	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.322	1.4	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	49.903	0.2	86	0.00
36	T	1,1-Dichloropropene	50.000	47.746	4.5	83	0.00
37	T	Ethyl Acetate	50.000	44.444	11.1	75	0.00
38	T	Carbon Tetrachloride	50.000	48.612	2.8	85	0.00
39	T	Methylcyclohexane	50.000	45.580	8.8	80	0.00
40	TM	Benzene	50.000	50.170	-0.3	87	0.00
41	T	Methacrylonitrile	50.000	41.877	16.2	70	0.00
42	TM	1,2-Dichloroethane	50.000	48.835	2.3	85	0.00
43	T	Isopropyl Acetate	50.000	44.694	10.6	77	0.00
44	TM	Trichloroethene	50.000	51.782	-3.6	91	0.00
45	C	1,2-Dichloropropane	50.000	49.829	0.3#	86	0.00
46	T	Dibromomethane	50.000	49.971	0.1	86	0.00
47	T	Bromodichloromethane	50.000	50.703	-1.4	87	0.00
48	T	Methyl methacrylate	50.000	45.021	10.0	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	946.444	5.4	81	0.00
50	S	Toluene-d8	50.000	50.853	-1.7	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	231.971	7.2	77	0.00
52	CM	Toluene	50.000	51.179	-2.4#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	48.297	3.4	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.751	2.5	83	0.00
55	T	1,1,2-Trichloroethane	50.000	50.180	-0.4	86	0.00
56	T	Ethyl methacrylate	50.000	48.375	3.3	80	0.00
57	T	1,3-Dichloropropane	50.000	48.952	2.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.330	-3.7	83	0.00
59	T	2-Hexanone	250.000	225.681	9.7	74	0.00
60	T	Dibromochloromethane	50.000	51.365	-2.7	88	0.00
61	T	1,2-Dibromoethane	50.000	49.588	0.8	85	0.00
62	S	4-Bromofluorobenzene	50.000	50.308	-0.6	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	56.055	-12.1	99	0.00
65	PM	Chlorobenzene	50.000	50.434	-0.9	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.411	-2.8	90	0.00
67	C	Ethyl Benzene	50.000	50.888	-1.8#	87	0.00
68	T	m/p-Xylenes	100.000	103.051	-3.1	90	0.00
69	T	o-Xylene	50.000	51.799	-3.6	88	0.00
70	T	Styrene	50.000	53.132	-6.3	90	0.00
71	P	Bromoform	50.000	48.980	2.0	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	49.330	1.3	88	0.00
74	T	N-amyl acetate	50.000	43.613	12.8	75	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.025	14.0	78	0.00
76	T	1,2,3-Trichloropropane	50.000	48.345	3.3	77	0.00
77	T	Bromobenzene	50.000	48.690	2.6	87	0.00
78	T	n-propylbenzene	50.000	49.502	1.0	87	0.00
79	T	2-Chlorotoluene	50.000	48.829	2.3	87	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.180	-0.4	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.134	13.7	77	0.00
82	T	4-Chlorotoluene	50.000	48.995	2.0	88	0.00
83	T	tert-Butylbenzene	50.000	49.921	0.2	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.510	-1.0	89	0.00
85	T	sec-Butylbenzene	50.000	49.485	1.0	88	0.00
86	T	p-Isopropyltoluene	50.000	50.842	-1.7	89	0.00
87	T	1,3-Dichlorobenzene	50.000	49.644	0.7	90	0.00
88	T	1,4-Dichlorobenzene	50.000	48.611	2.8	88	0.00
89	T	n-Butylbenzene	50.000	49.746	0.5	87	0.00
90	T	Hexachloroethane	50.000	50.008	-0.0	90	0.00
91	T	1,2-Dichlorobenzene	50.000	49.177	1.6	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.839	10.3	78	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.553	8.9	82	0.00
94	T	Hexachlorobutadiene	50.000	45.434	9.1	83	0.00
95	T	Naphthalene	50.000	46.168	7.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.311	9.4	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: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2879
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/20/2025 09:26
Lab File ID: VY023162.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.365		-10.54	20
Chloromethane	0.661	0.648	0.1	-1.97	20
Vinyl Chloride	0.817	0.854		4.53	20
Bromomethane	0.610	0.654		7.21	20
Chloroethane	0.543	0.582		7.18	20
Tetrahydrofuran	0.087	0.084		-3.45	20
Trichlorofluoromethane	0.994	1.017		2.31	20
1,1,2-Trichlorotrifluoroethane	0.490	0.513		4.69	20
1,1-Dichloroethene	0.482	0.499		3.53	20
Acrylonitrile	0.107	0.104		-2.8	20
Acetone	0.103	0.115		11.65	20
Carbon Disulfide	1.571	1.568		-0.19	20
Methyl tert-butyl Ether	1.249	1.223		-2.08	20
Methylene Chloride	0.620	0.536		-13.55	20
trans-1,2-Dichloroethene	0.541	0.572		5.73	20
1,1-Dichloroethane	0.942	0.968	0.1	2.76	20
2-Butanone	0.140	0.141		0.71	20
Carbon Tetrachloride	0.483	0.539		11.59	20
2,2-Dichloropropane	0.813	0.867		6.64	20
cis-1,2-Dichloroethene	0.626	0.653		4.31	20
Chloroform	0.971	1.015		4.53	20
1,1,1-Trichloroethane	0.862	0.910		5.57	20
1,1-Dichloropropene	0.445	0.486		9.21	20
Benzene	1.370	1.495		9.12	20
1,2-Dichloroethane	0.356	0.375		5.34	20
Trichloroethene	0.354	0.397		12.15	20
1,2-Dichloropropane	0.315	0.335		6.35	20
Dibromomethane	0.181	0.196		8.29	20
Bromodichloromethane	0.466	0.509		9.23	20
4-Methyl-2-Pentanone	0.195	0.200		2.56	20
Toluene	0.870	0.977		12.3	20
t-1,3-Dichloropropene	0.422	0.452		7.11	20
cis-1,3-Dichloropropene	0.499	0.537		7.61	20
1,1,2-Trichloroethane	0.242	0.262		8.26	20
1,3-Dichloropropane	0.411	0.435		5.84	20
2-Hexanone	0.133	0.143		7.52	20
Dibromochloromethane	0.320	0.350		9.38	20
1,2-Dibromoethane	0.228	0.245		7.46	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: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2879
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/20/2025 09:26
Lab File ID: VY023162.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.446	0.528		18.39	20
Chlorobenzene	1.079	1.190	0.3	10.29	20
1,1,1,2-Tetrachloroethane	0.366	0.404		10.38	20
Ethyl Benzene	1.856	2.068		11.42	20
m/p-Xylenes	0.725	0.826		13.93	20
o-Xylene	0.679	0.765		12.67	20
Styrene	1.110	1.283		15.59	20
Bromoform	0.214	0.231	0.1	7.94	20
Isopropylbenzene	3.529	3.873		9.75	20
1,1,2,2-Tetrachloroethane	0.603	0.574	0.3	-4.81	20
1,2,3-Trichloropropane	0.483	0.478		-1.03	20
Bromobenzene	0.842	0.894		6.18	20
n-propylbenzene	4.201	4.630		10.21	20
2-Chlorotoluene	2.407	2.588		7.52	20
1,3,5-Trimethylbenzene	2.852	3.166		11.01	20
4-Chlorotoluene	2.497	2.687		7.61	20
tert-Butylbenzene	2.576	2.844		10.4	20
1,2,4-Trimethylbenzene	2.839	3.128		10.18	20
sec-Butylbenzene	3.784	4.225		11.65	20
p-Isopropyltoluene	3.141	3.579		13.94	20
1,3-Dichlorobenzene	1.660	1.828		10.12	20
1,4-Dichlorobenzene	1.647	1.783		8.26	20
n-Butylbenzene	2.885	3.266		13.21	20
1,2-Dichlorobenzene	1.456	1.578		8.38	20
1,2-Dibromo-3-Chloropropane	0.094	0.092		-2.13	20
1,2,4-Trichlorobenzene	0.861	0.899		4.41	20
Hexachlorobutadiene	0.506	0.535		5.73	20
1,2,3-Trichlorobenzene	0.742	0.772		4.04	20
1,2-Dichloroethane-d4	0.477	0.439		-7.97	20
Dibromofluoromethane	0.299	0.301		0.67	20
Toluene-d8	1.169	1.163		-0.51	20
4-Bromofluorobenzene	0.376	0.371		-1.33	20
trans-1,4-Dichloro-2-butene	0.199	0.203		2.01	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\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	494314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	753839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	347499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	217050	46.072	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.140%			
35) Dibromofluoromethane	7.634	113	226814	50.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.560%			
50) Toluene-d8	10.109	98	876788	49.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.408	95	279699	49.355	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	180567	44.752	ug/l	99
3) Chloromethane	2.074	50	320547	49.049	ug/l	99
4) Vinyl Chloride	2.202	62	422265	52.271	ug/l	100
5) Bromomethane	2.598	94	323126	53.558	ug/l	99
6) Chloroethane	2.733	64	287842	53.594	ug/l	98
7) Trichlorofluoromethane	3.056	101	502649	51.171	ug/l	99
8) Diethyl Ether	3.458	74	125091	48.134	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	253822	52.376	ug/l	100
10) Methyl Iodide	4.007	142	294445	56.306	ug/l	98
11) Tert butyl alcohol	4.854	59	69024	213.827	ug/l	100
12) 1,1-Dichloroethene	3.787	96	246545	51.758	ug/l	98
13) Acrolein	3.653	56	50137	106.054	ug/l	98
14) Allyl chloride	4.385	41	340817	48.625	ug/l	98
15) Acrylonitrile	5.055	53	257445	243.666	ug/l	100
16) Acetone	3.867	43	285386	279.613	ug/l	100
17) Carbon Disulfide	4.110	76	775252	49.914	ug/l	100
18) Methyl Acetate	4.385	43	144528	47.585	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	604602	48.982	ug/l	99
20) Methylene Chloride	4.616	84	265161	49.996	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	282768	52.823	ug/l	99
22) Diisopropyl ether	6.019	45	762865	50.087	ug/l	96
23) Vinyl Acetate	5.958	43	2101300	249.506	ug/l	99
24) 1,1-Dichloroethane	5.915	63	478452	51.381	ug/l	99
25) 2-Butanone	6.896	43	349276	251.618	ug/l	97
26) 2,2-Dichloropropane	6.884	77	428627	53.345	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	322809	52.163	ug/l	98
28) Bromochloromethane	7.244	49	178354	48.277	ug/l	96
29) Tetrahydrofuran	7.262	42	207058	240.643	ug/l	99
30) Chloroform	7.421	83	501780	52.249	ug/l	96
31) Cyclohexane	7.701	56	427482	48.716	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	449604	52.762	ug/l	99
36) 1,1-Dichloropropene	7.835	75	366529	54.676	ug/l	100
37) Ethyl Acetate	6.988	43	144228	51.218	ug/l	99
38) Carbon Tetrachloride	7.823	117	406373	55.813	ug/l	97
39) Methylcyclohexane	9.110	83	482198	54.623	ug/l	97
40) Benzene	8.079	78	1126859	54.539	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	84658	52.092	ug/l		96
42) 1,2-Dichloroethane	8.158	62	282946	52.655	ug/l		100
43) Isopropyl Acetate	8.195	43	284274	49.946	ug/l		98
44) Trichloroethene	8.866	130	299298	56.055	ug/l		100
45) 1,2-Dichloropropane	9.140	63	252505	53.114	ug/l		100
46) Dibromomethane	9.231	93	147989	54.236	ug/l		99
47) Bromodichloromethane	9.427	83	383482	54.618	ug/l		99
48) Methyl methacrylate	9.225	41	139348	51.164	ug/l		98
49) 1,4-Dioxane	9.231	88	31872	996.184	ug/l		93
51) 4-Methyl-2-Pentanone	10.000	43	753630	256.697	ug/l		98
52) Toluene	10.170	92	736387	56.116	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	340402	53.540	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	405022	53.872	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	197682	54.142	ug/l		98
56) Ethyl methacrylate	10.439	69	244976	52.434	ug/l		99
57) 1,3-Dichloropropane	10.719	76	327595	52.905	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	557088	252.784	ug/l		98
59) 2-Hexanone	10.762	43	540467	270.352	ug/l		99
60) Dibromochloromethane	10.914	129	263855	54.767	ug/l		99
61) 1,2-Dibromoethane	11.012	107	184447	53.748	ug/l		99
64) Tetrachloroethene	10.646	164	353669	59.168	ug/l		97
65) Chlorobenzene	11.444	112	796710	55.177	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	270191	55.136	ug/l		99
67) Ethyl Benzene	11.518	91	1384094	55.702	ug/l		100
68) m/p-Xylenes	11.627	106	1105831	113.946	ug/l		97
69) o-Xylene	11.957	106	511966	56.325	ug/l		99
70) Styrene	11.969	104	858795	57.774	ug/l		98
71) Bromoform	12.133	173	154856	54.068	ug/l	#	98
73) Isopropylbenzene	12.255	105	1345769	54.871	ug/l		100
74) N-amyl acetate	12.072	43	256941	49.400	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	199471	47.632	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	165993m	49.495	ug/l		
77) Bromobenzene	12.530	156	310639	53.090	ug/l		97
78) n-propylbenzene	12.597	91	1608842	55.097	ug/l		99
79) 2-Chlorotoluene	12.676	91	899173	53.745	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1100113	55.500	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	70373	50.794	ug/l		98
82) 4-Chlorotoluene	12.780	91	933833	53.806	ug/l		99
83) tert-Butylbenzene	12.999	119	988243	55.202	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1086959	55.087	ug/l		99
85) sec-Butylbenzene	13.176	105	1468282	55.832	ug/l		100
86) p-Isopropyltoluene	13.292	119	1243706	56.975	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	635256	55.055	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	619608	54.132	ug/l		99
89) n-Butylbenzene	13.615	91	1135038	56.614	ug/l		99
90) Hexachloroethane	13.877	117	247354	55.353	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	548379	54.191	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31841	48.834	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	312389	52.202	ug/l		98
94) Hexachlorobutadiene	15.023	225	185835	52.847	ug/l		99
95) Naphthalene	15.145	128	526458	51.592	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	268232	52.017	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VSTDCCC050

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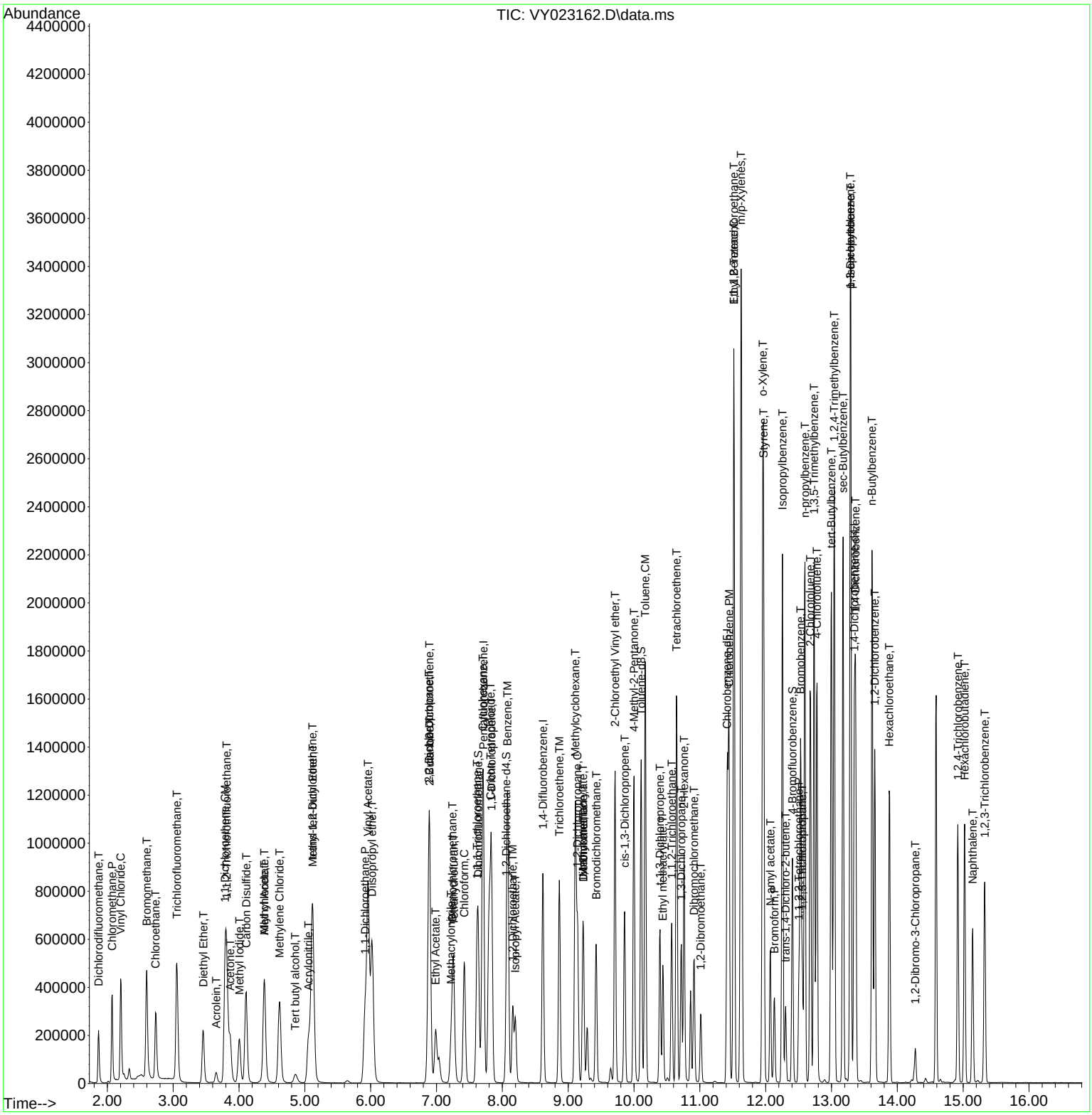
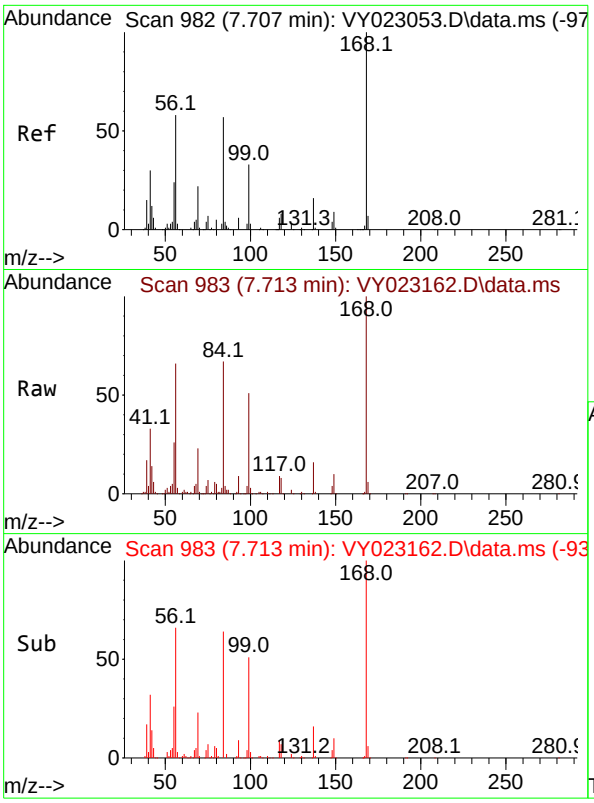
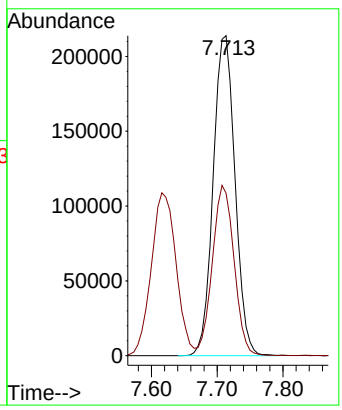




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:168 Resp: 49431

Ion	Ratio	Lower	Upper
168	100		
99	50.7	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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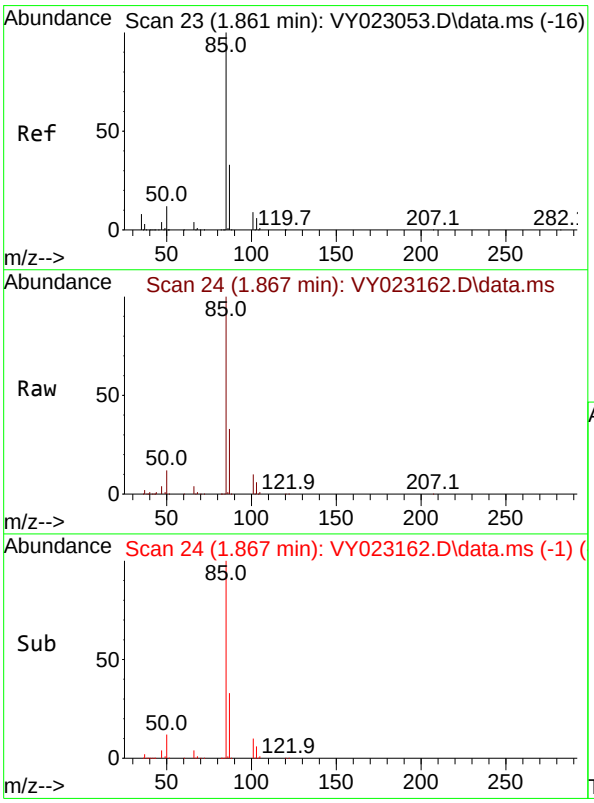
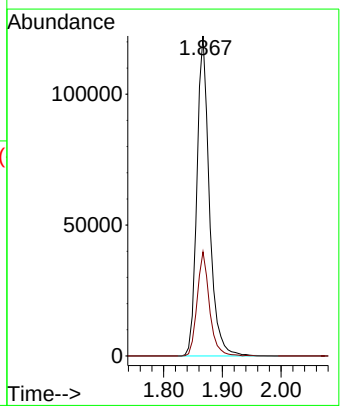
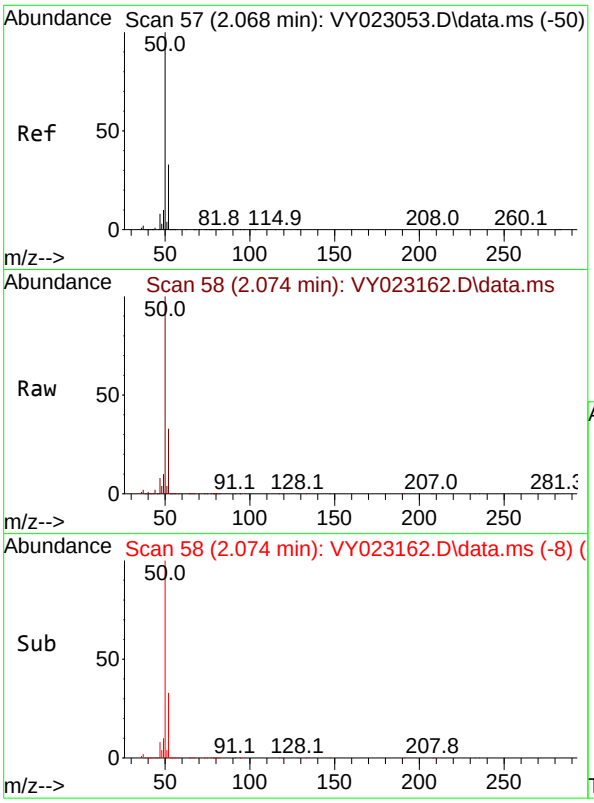


#2
Dichlorodifluoromethane
Concen: 44.752 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 85 Resp: 180567

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.8

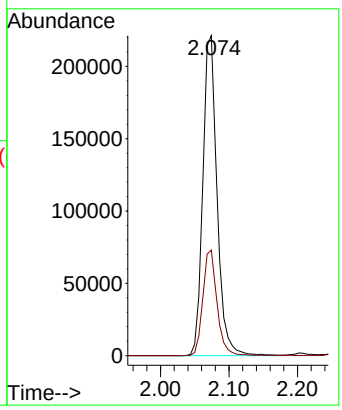




#3
Chloromethane
Concen: 49.049 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 50 Resp: 32054

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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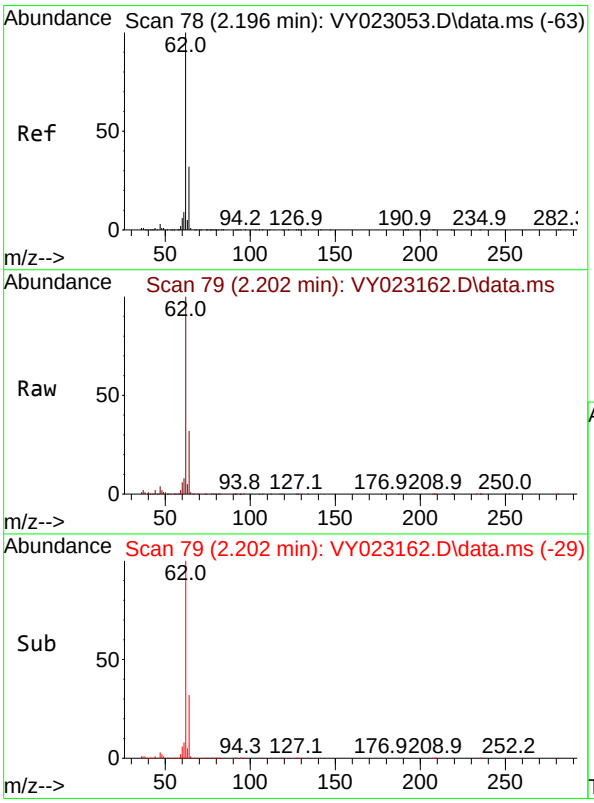
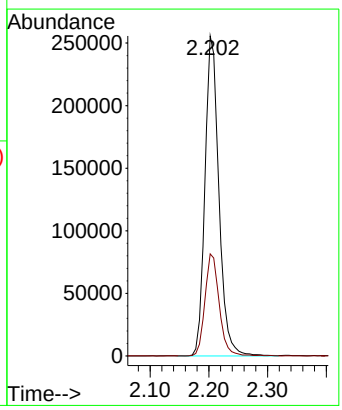
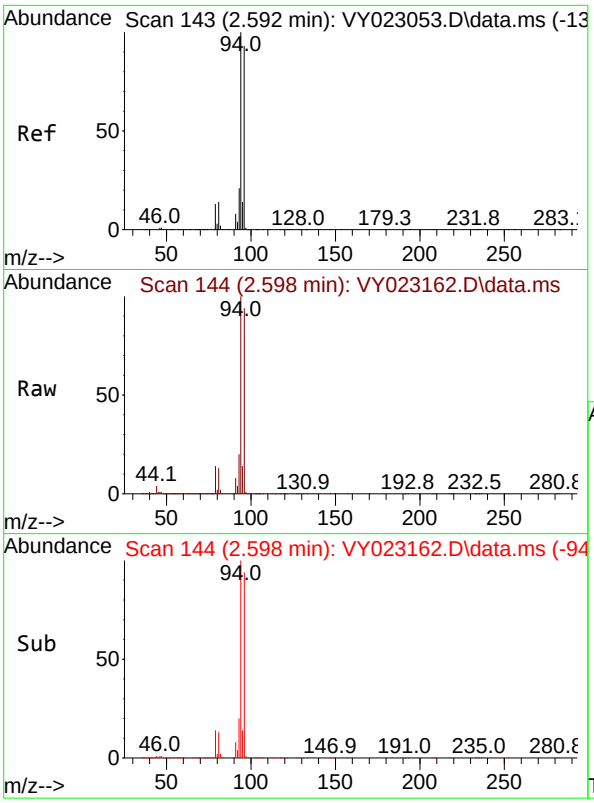


#4
Vinyl Chloride
Concen: 52.271 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 62 Resp: 422265

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.4	38.0

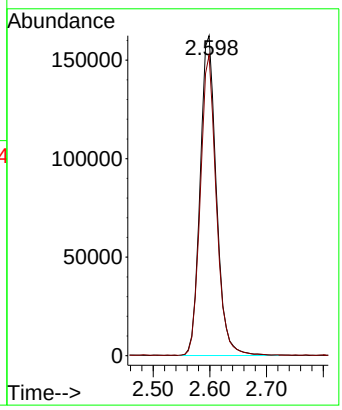




#5
Bromomethane
Concen: 53.558 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 94 Resp: 32312

Ion	Ratio	Lower	Upper
94	100		
96	93.9	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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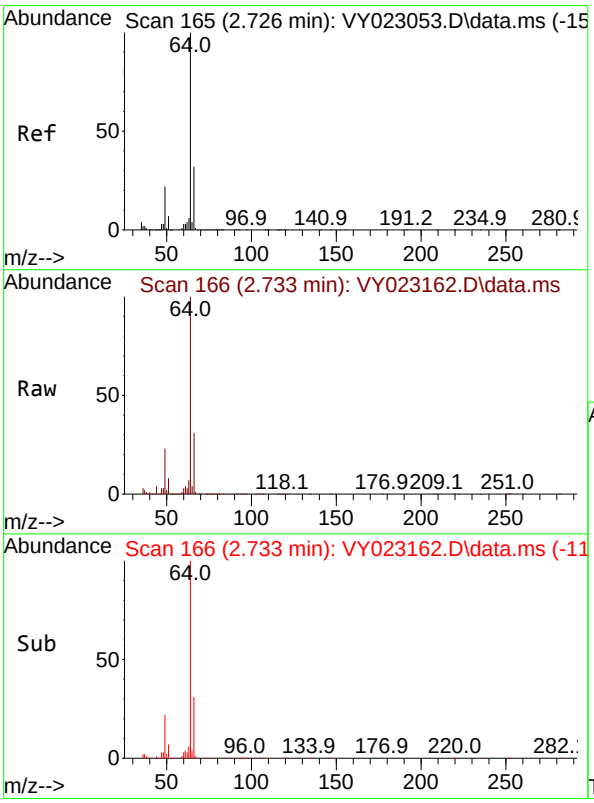
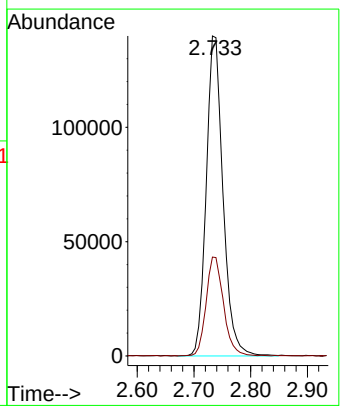
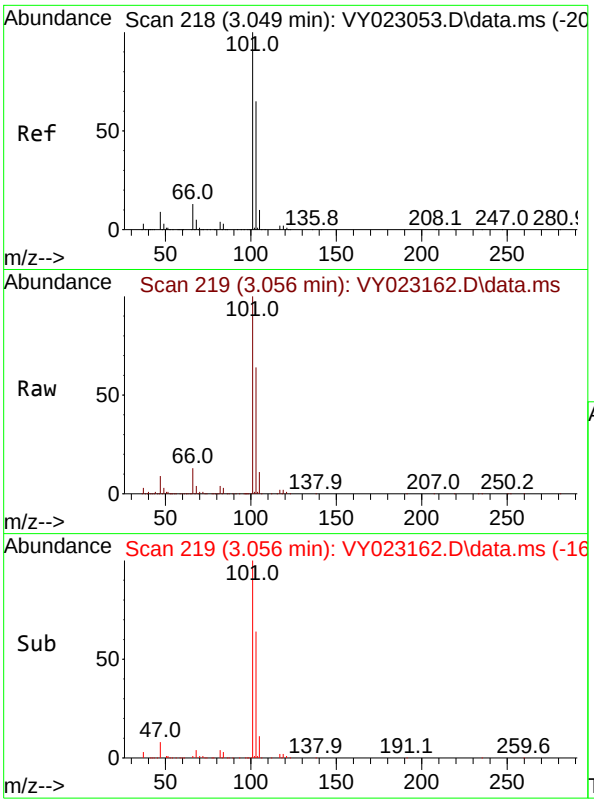


#6
Chloroethane
Concen: 53.594 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 64 Resp: 287842

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.8	38.6

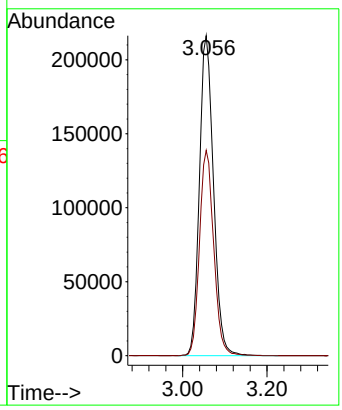




#7
Trichlorofluoromethane
Concen: 51.171 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:101 Resp: 50264

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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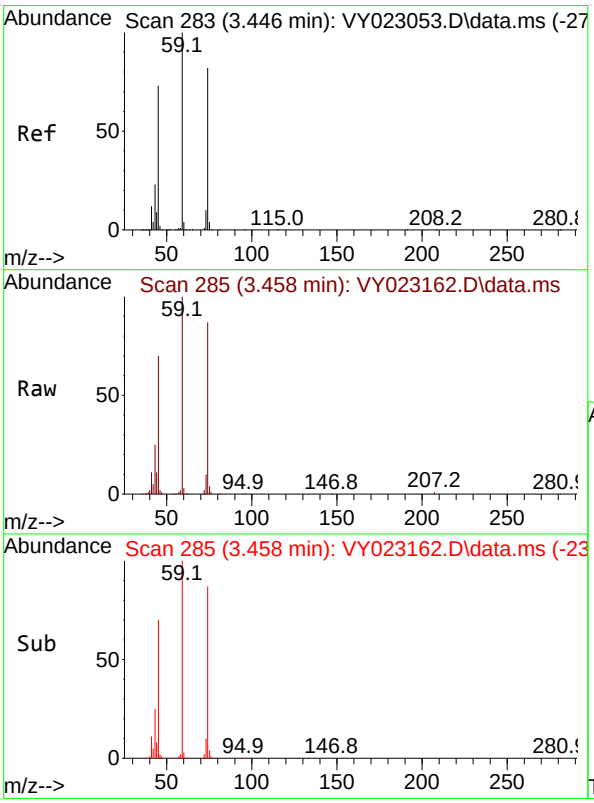
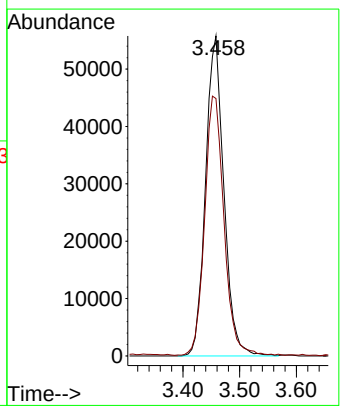
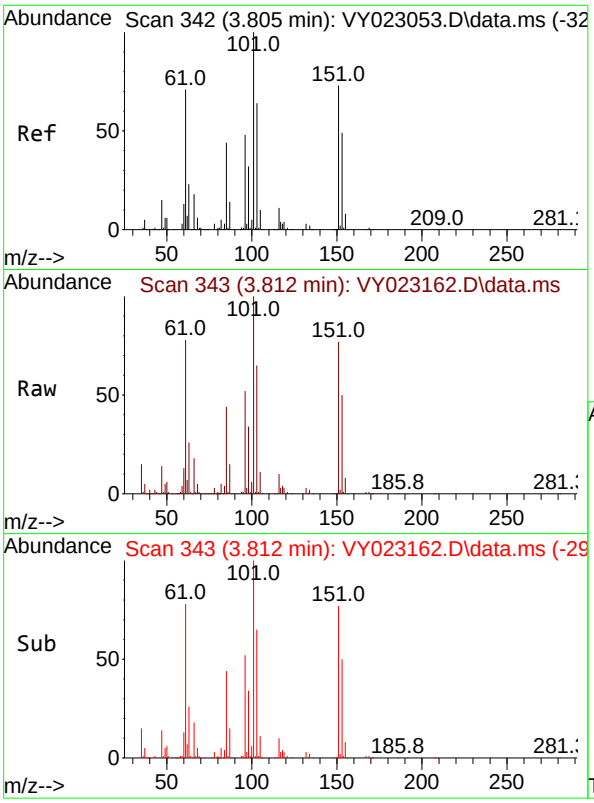


#8
Diethyl Ether
Concen: 48.134 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 74 Resp: 125091

Ion	Ratio	Lower	Upper
74	100		
45	85.5	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.376 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:101 Resp: 25382

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	76.4	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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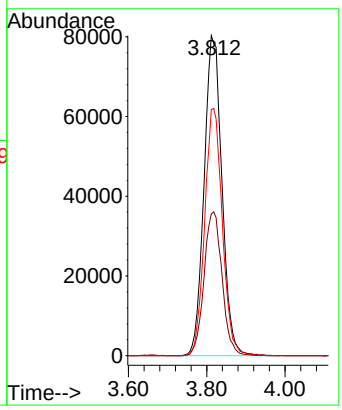
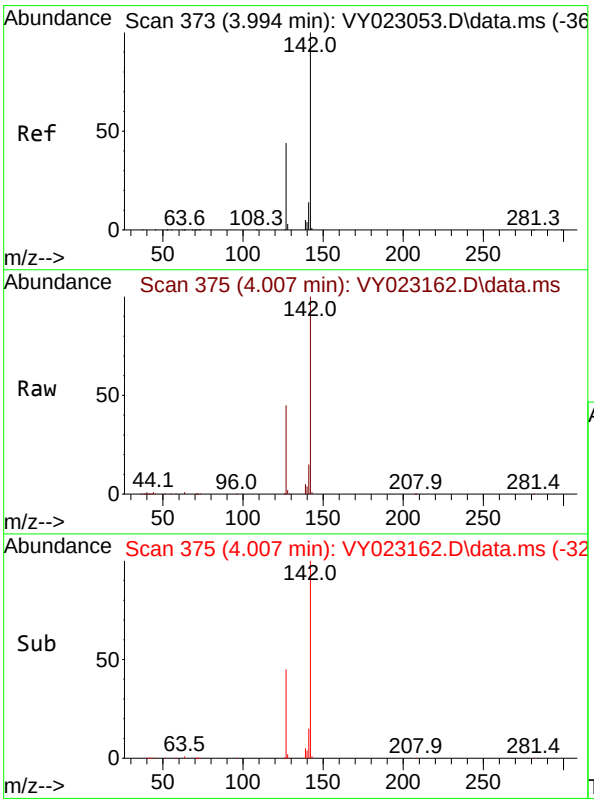
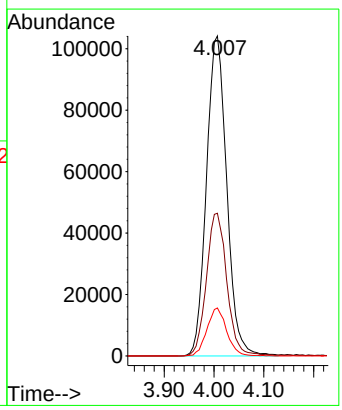


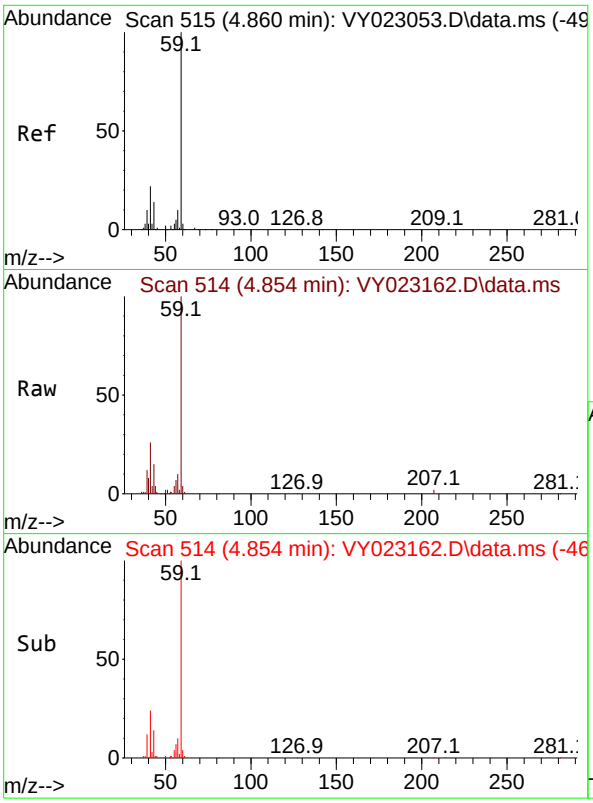


#10
Methyl Iodide
Concen: 56.306 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:142 Resp: 294445

Ion	Ratio	Lower	Upper
142	100		
127	45.1	34.9	52.3
141	14.6	11.3	16.9

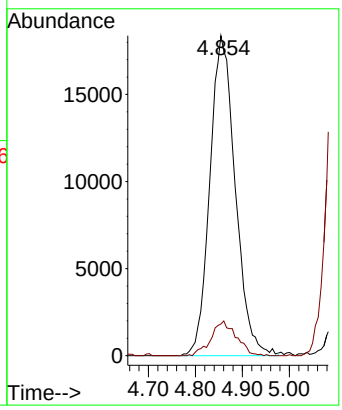




#11
Tert butyl alcohol
Concen: 213.827 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 59 Resp: 6902

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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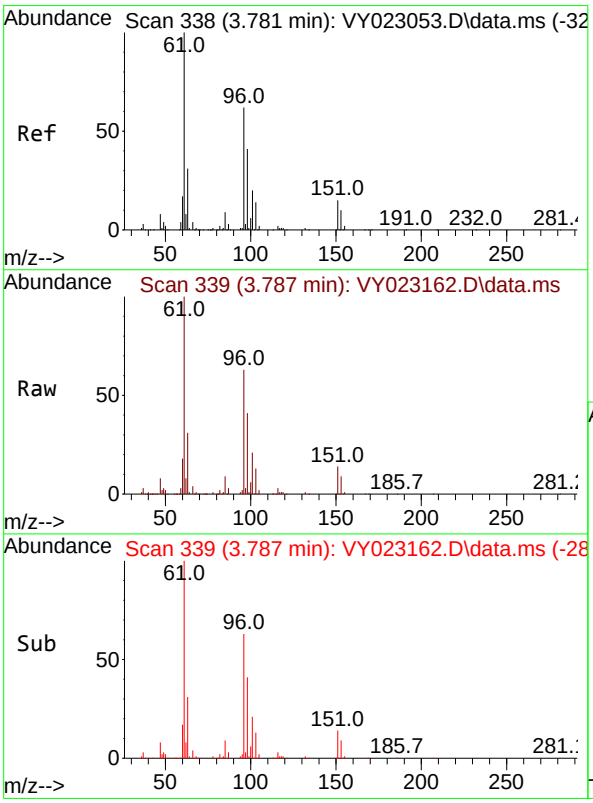
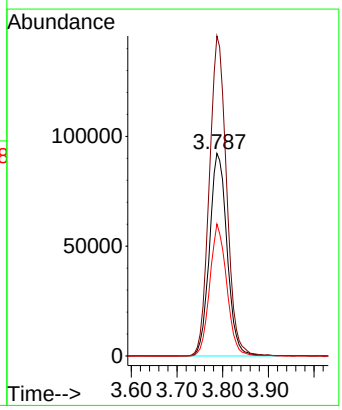
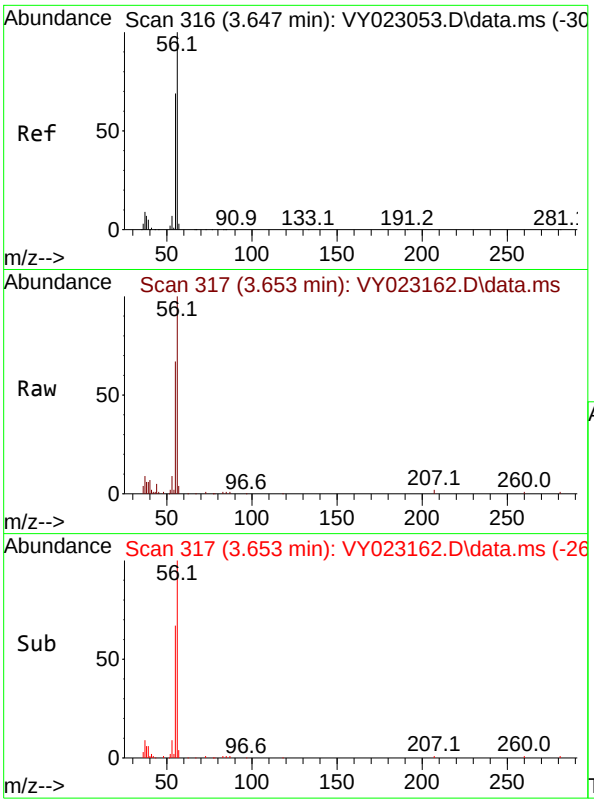


#12
1,1-Dichloroethene
Concen: 51.758 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 96 Resp: 246545

Ion	Ratio	Lower	Upper
96	100		
61	158.0	129.4	194.2
98	65.2	52.8	79.2

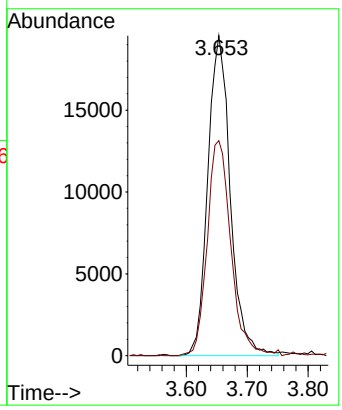




#13
Acrolein
Concen: 106.054 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 56 Resp: 5013

Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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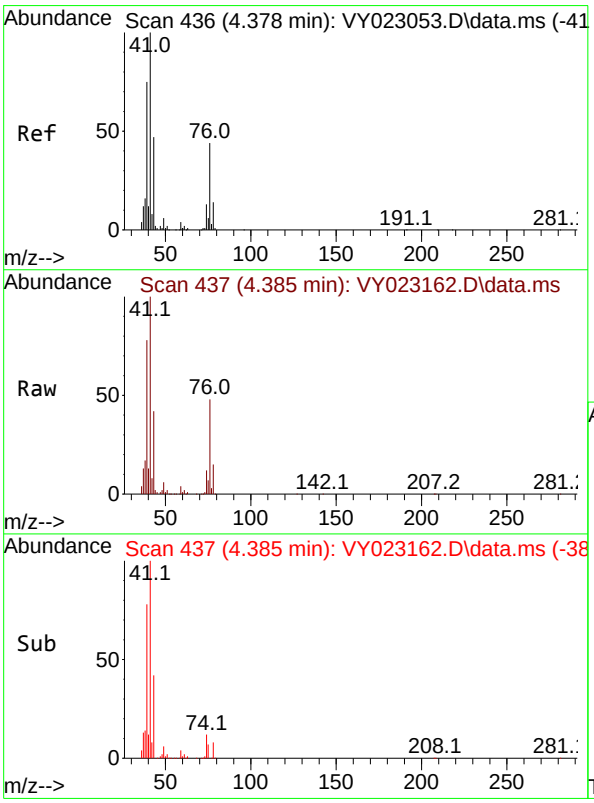
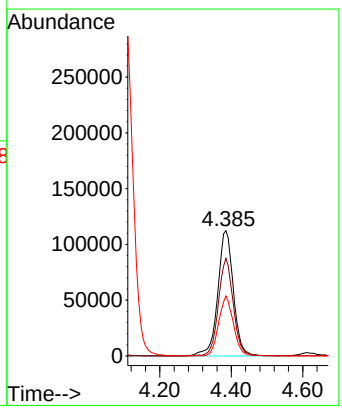
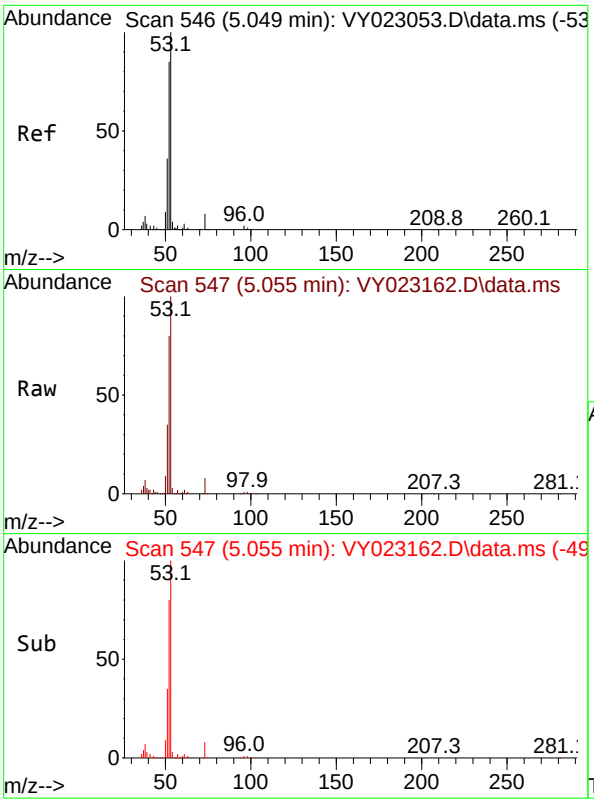


#14
Allyl chloride
Concen: 48.625 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 41 Resp: 340817

Ion	Ratio	Lower	Upper
41	100		
39	74.0	59.8	89.6
76	44.6	33.7	50.5

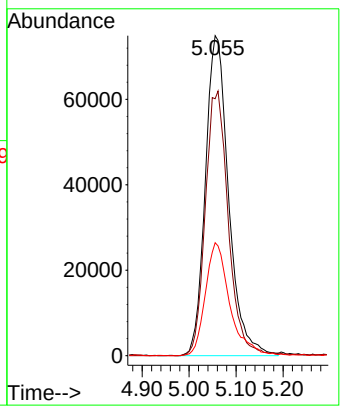




#15
Acrylonitrile
Concen: 243.666 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 53 Resp: 25744

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	37.0	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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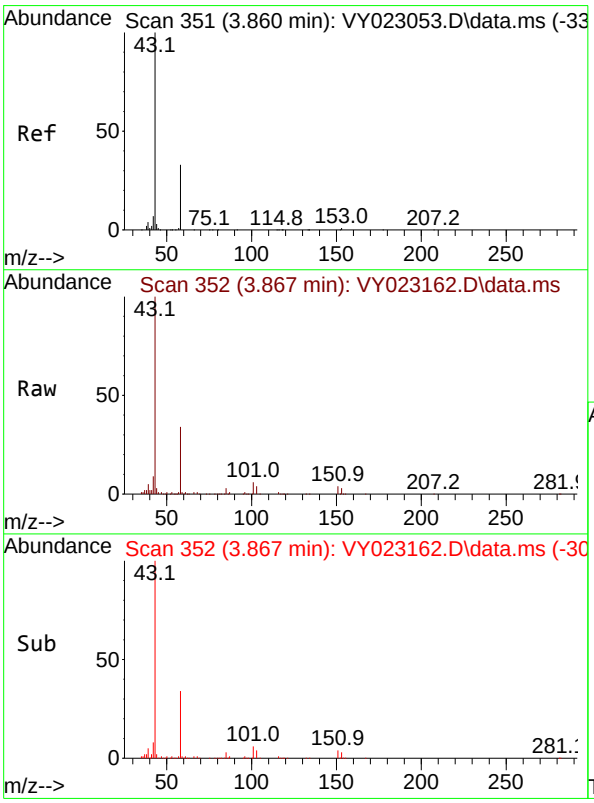
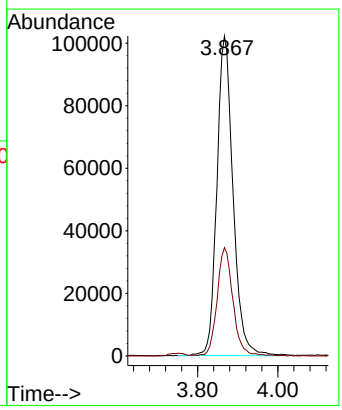
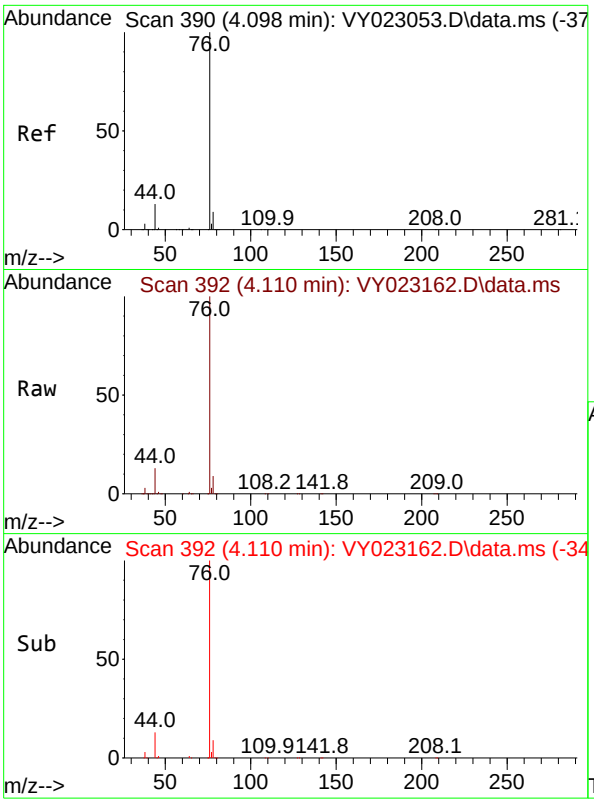


#16
Acetone
Concen: 279.613 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 285386

Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.1	40.7

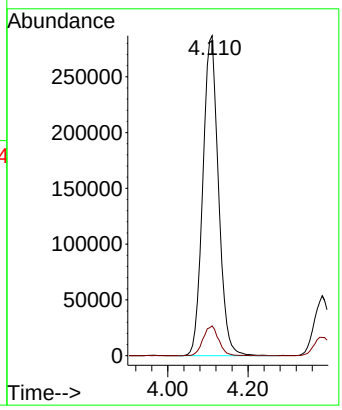




#17
Carbon Disulfide
Concen: 49.914 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 76 Resp: 77525

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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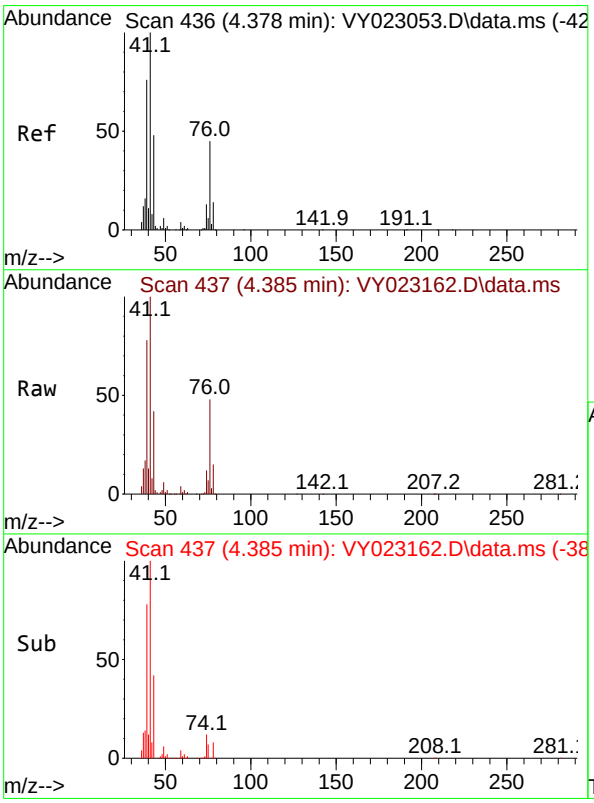
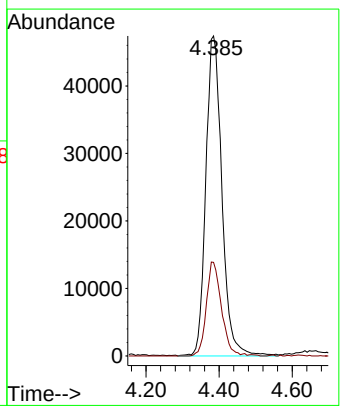
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

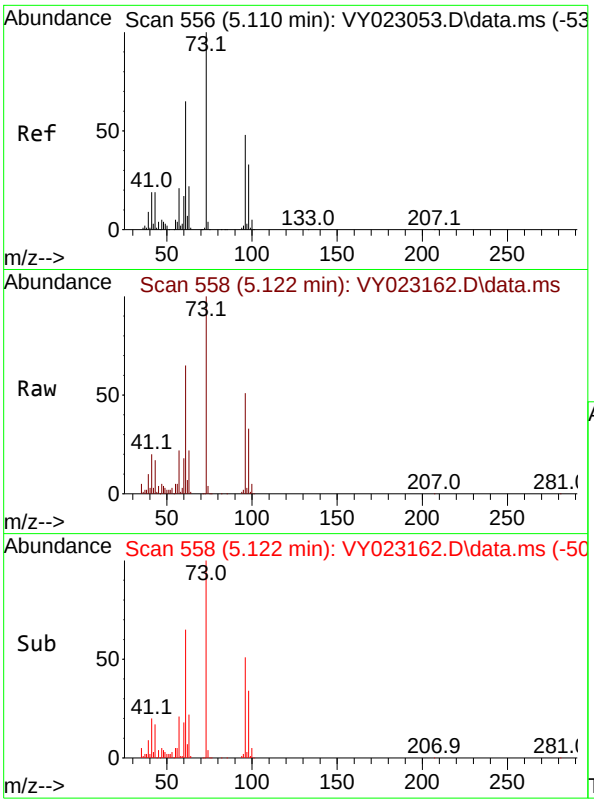


#18
Methyl Acetate
Concen: 47.585 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 144528

Ion	Ratio	Lower	Upper
43	100		
74	27.5	21.2	31.8

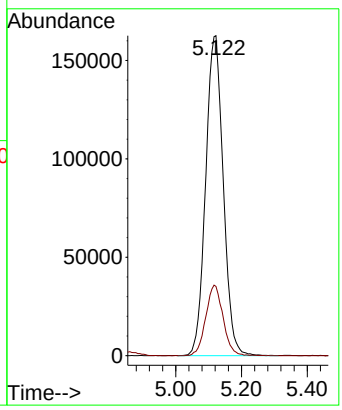




#19
Methyl tert-butyl Ether
Concen: 48.982 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 73 Resp: 60460

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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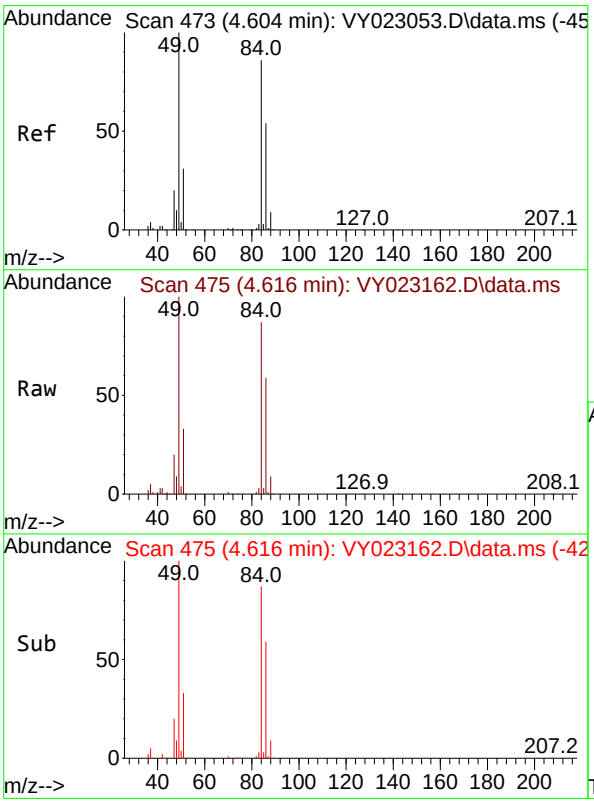
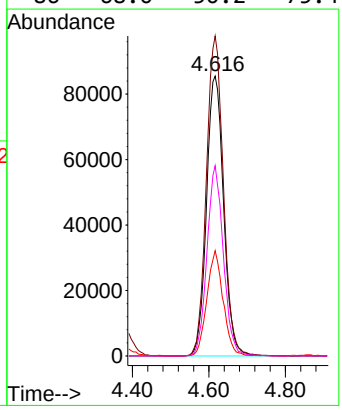
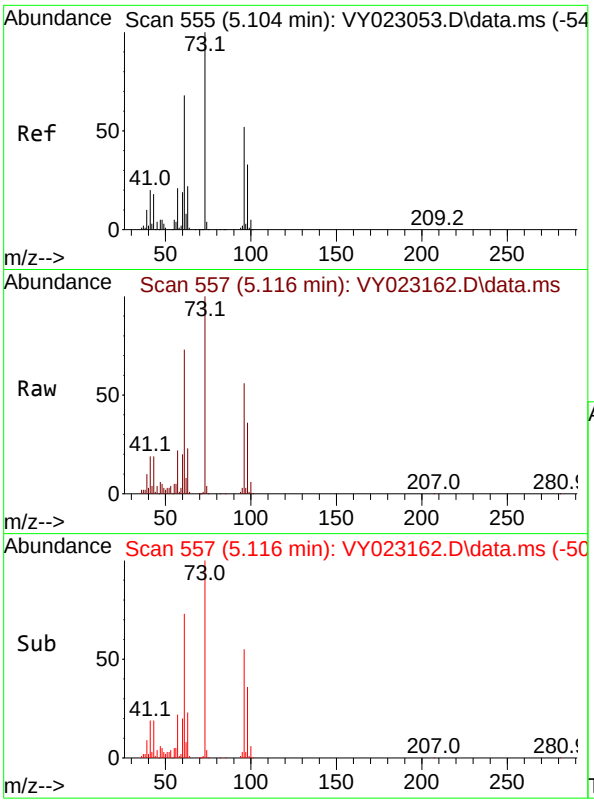


#20
Methylene Chloride
Concen: 49.996 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 84 Resp: 265161

Ion	Ratio	Lower	Upper
84	100		
49	114.4	93.0	139.6
51	37.7	29.0	43.4
86	68.0	50.2	75.4

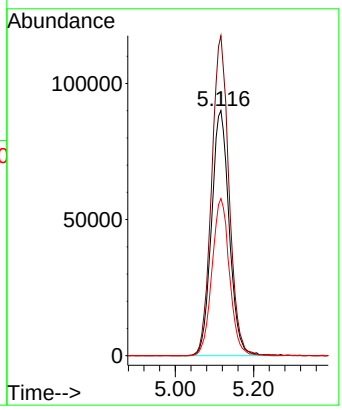




#21
trans-1,2-Dichloroethene
Concen: 52.823 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 96 Resp: 28276

Ion	Ratio	Lower	Upper
96	100		
61	130.5	104.8	157.2
98	64.1	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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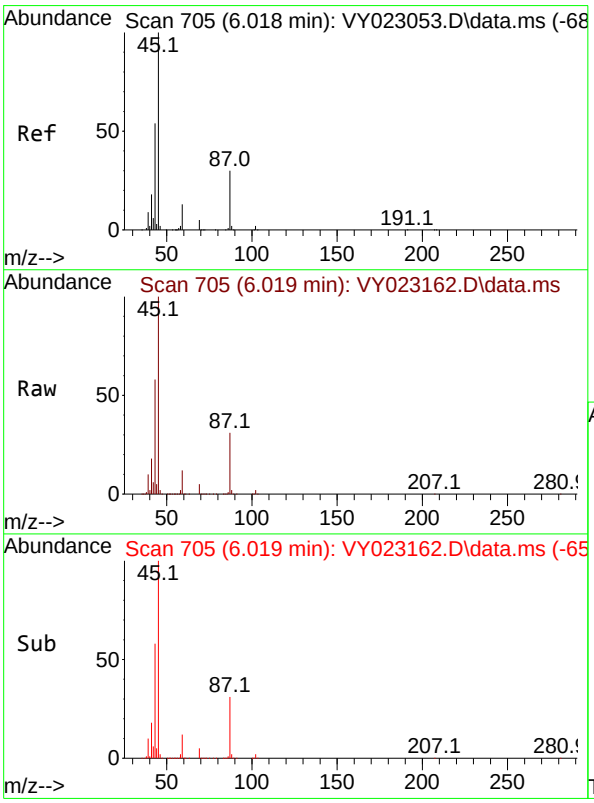
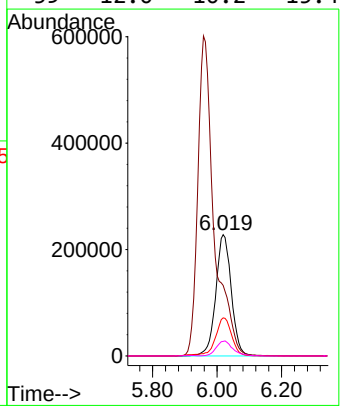
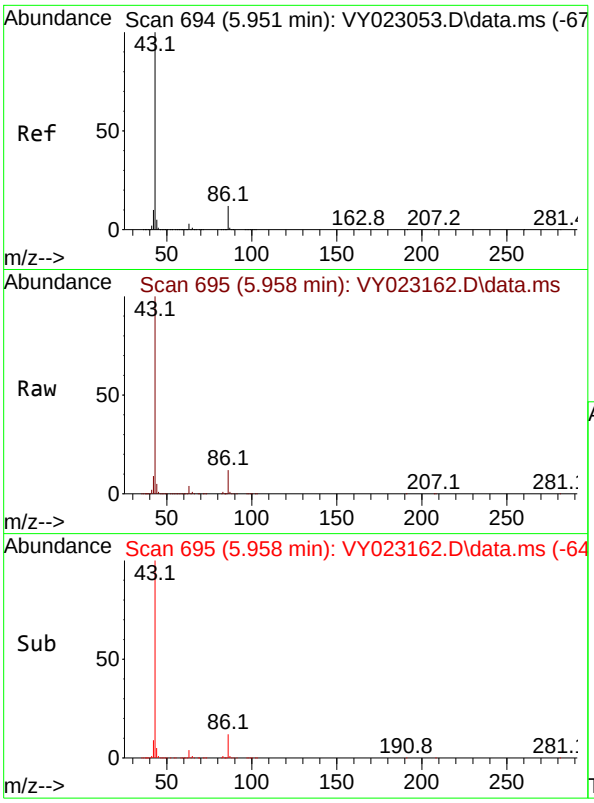


#22
Diisopropyl ether
Concen: 50.087 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 45 Resp: 762865

Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.4	65.0
87	31.3	24.4	36.6
59	12.0	10.2	15.4

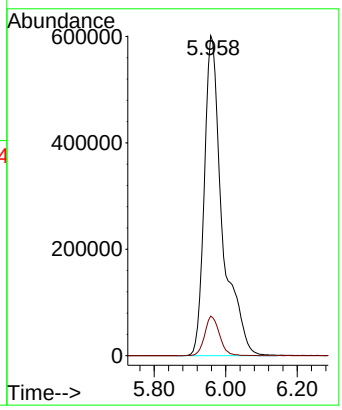




#23
Vinyl Acetate
Concen: 249.506 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 210130

Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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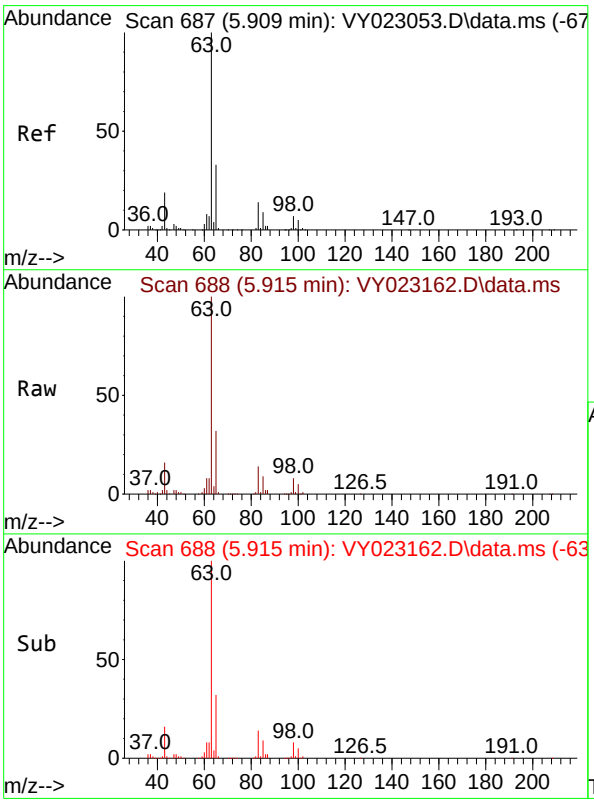
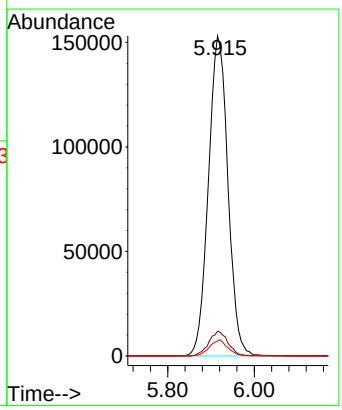
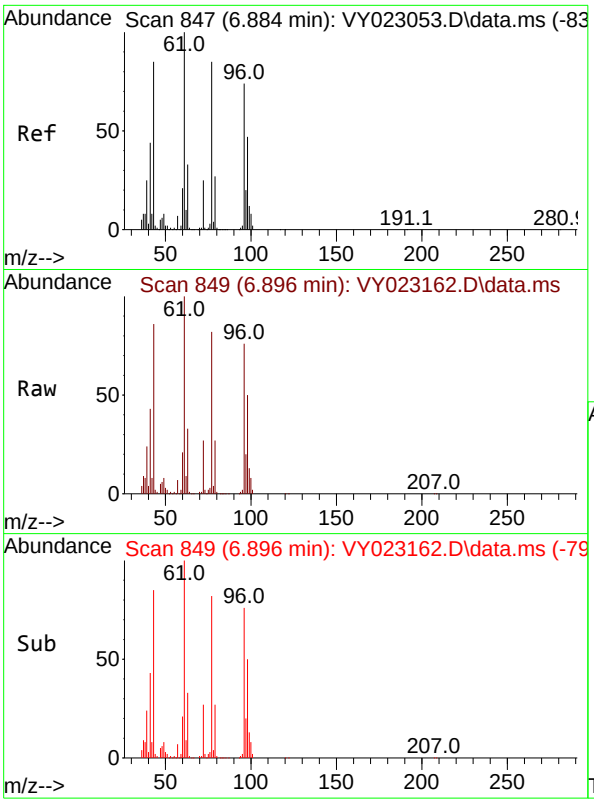


#24
1,1-Dichloroethane
Concen: 51.381 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 63 Resp: 478452

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.6
100	4.7	2.4	7.1





#25
2-Butanone
Concen: 251.618 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 34927

Ion	Ratio	Lower	Upper
43	100		
72	31.1	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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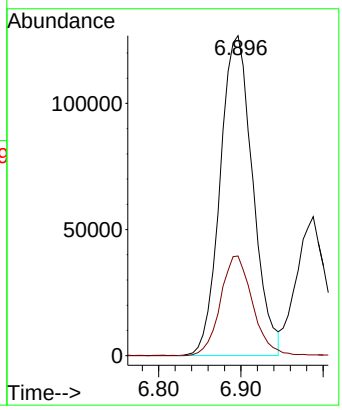
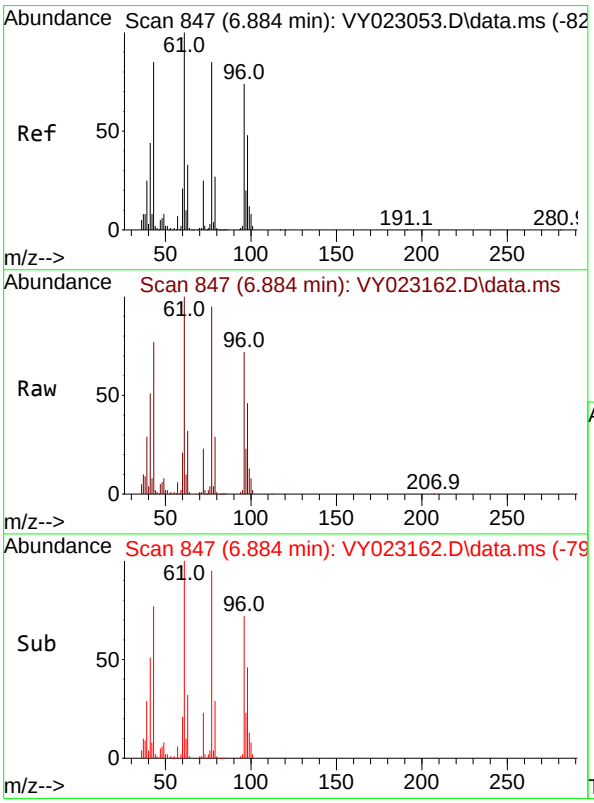
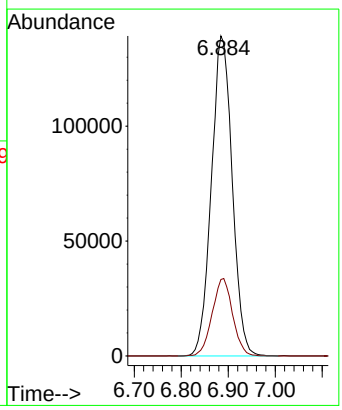


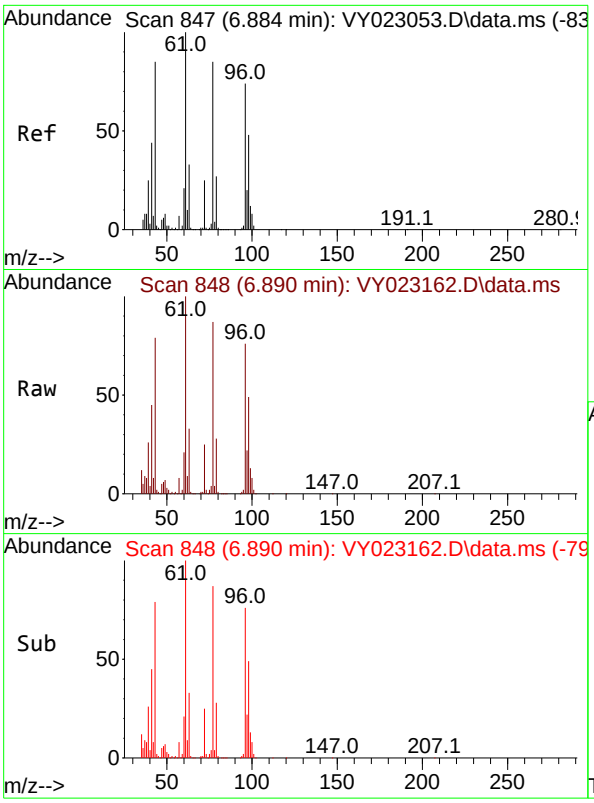


#26
2,2-Dichloropropane
Concen: 53.345 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 77 Resp: 428627

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 52.163 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 96 Resp: 32280

Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	278.6
98	64.4	0.0	130.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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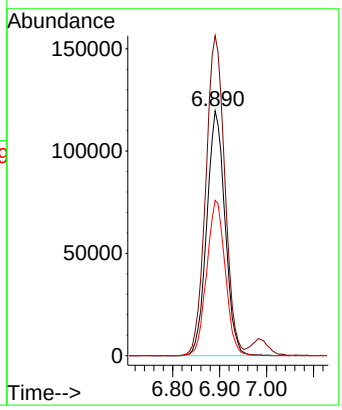
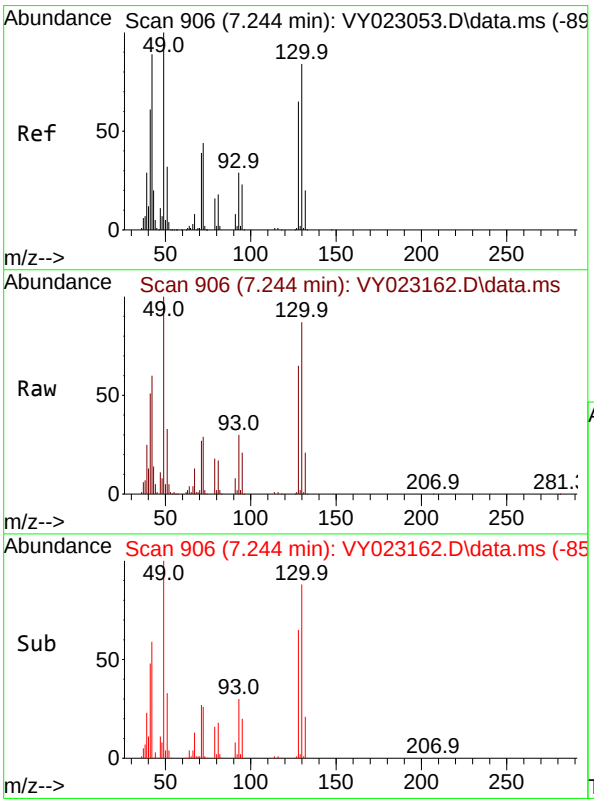
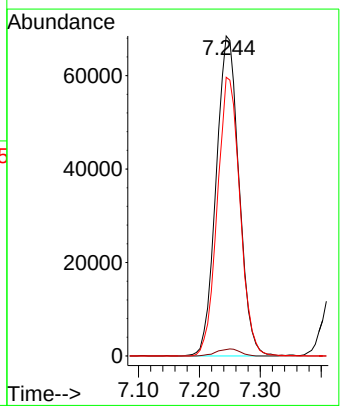


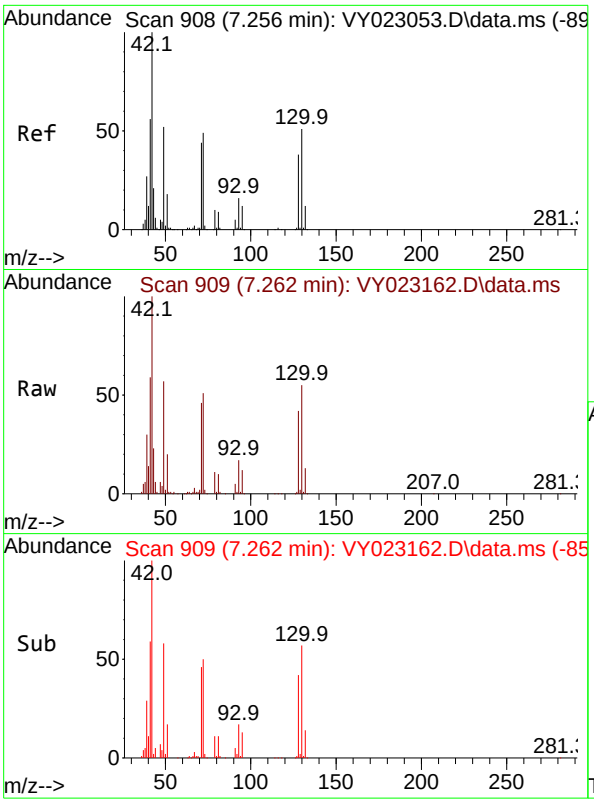


#28
Bromochloromethane
Concen: 48.277 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 49 Resp: 178354

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.3	66.4	99.6





#29
Tetrahydrofuran
Concen: 240.643 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 42 Resp: 20705

Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.4	59.2
71	46.4	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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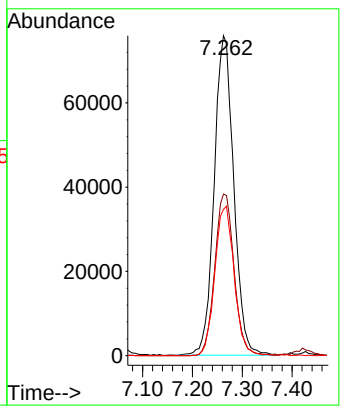
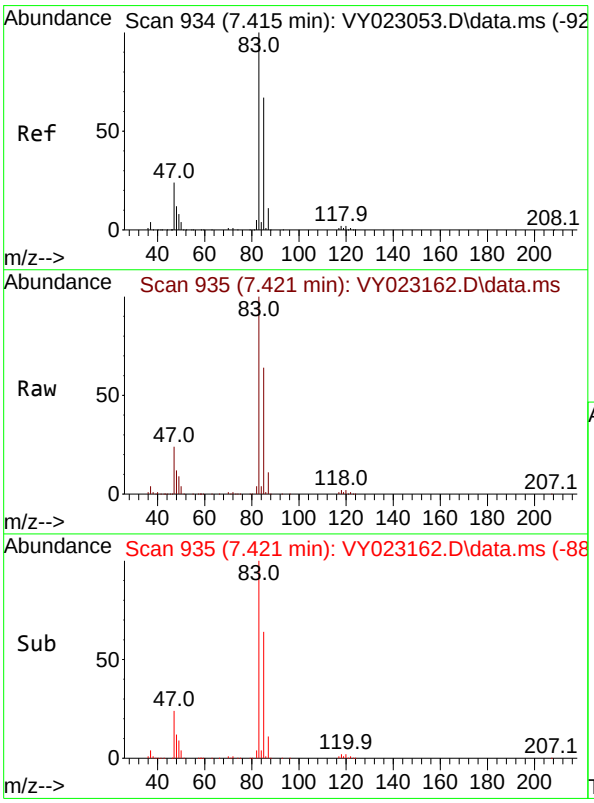
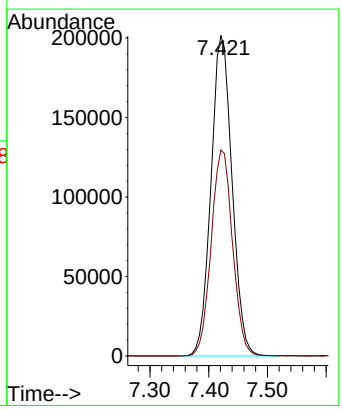


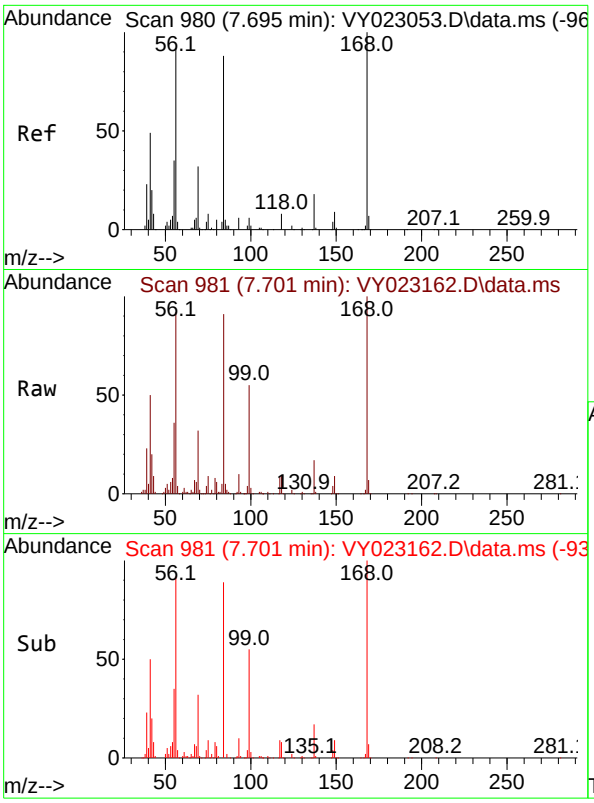


#30
Chloroform
Concen: 52.249 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 83 Resp: 501780

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.8	80.8

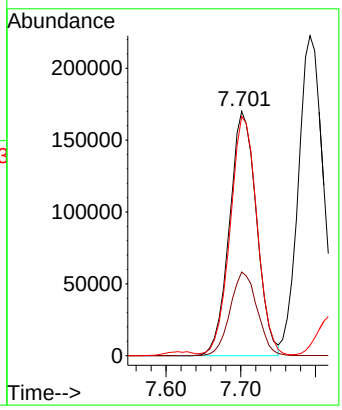




#31
Cyclohexane
Concen: 48.716 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 56 Resp: 42748

Ion	Ratio	Lower	Upper
56	100		
69	34.2	28.2	42.2
84	96.3	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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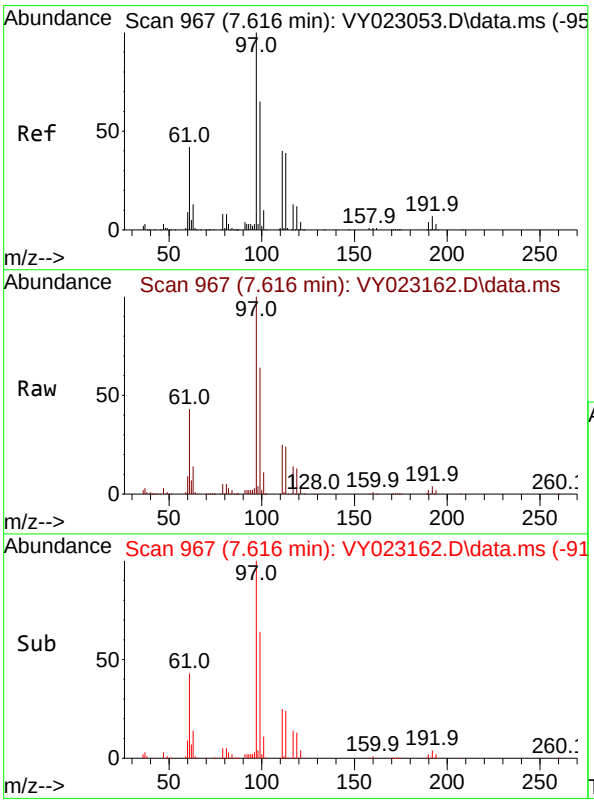
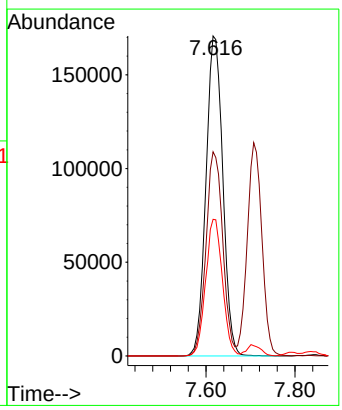
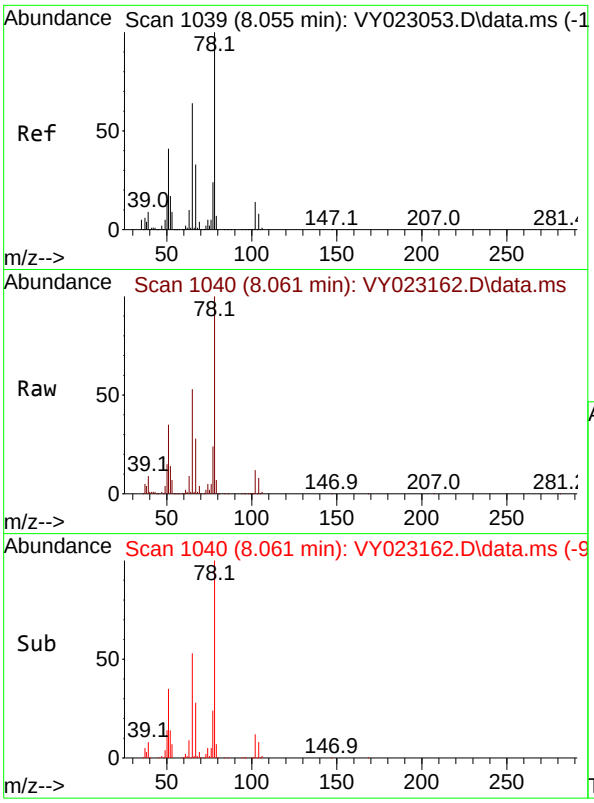


#32
1,1,1-Trichloroethane
Concen: 52.762 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 97 Resp: 449604

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	42.6	34.2	51.2

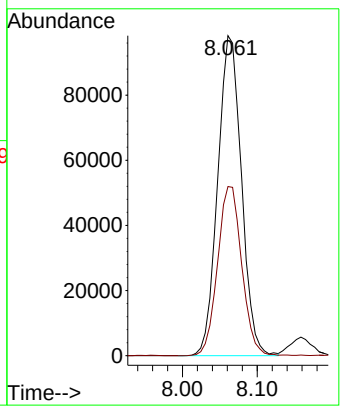




#33
1,2-Dichloroethane-d4
Concen: 46.072 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 65 Resp: 21705

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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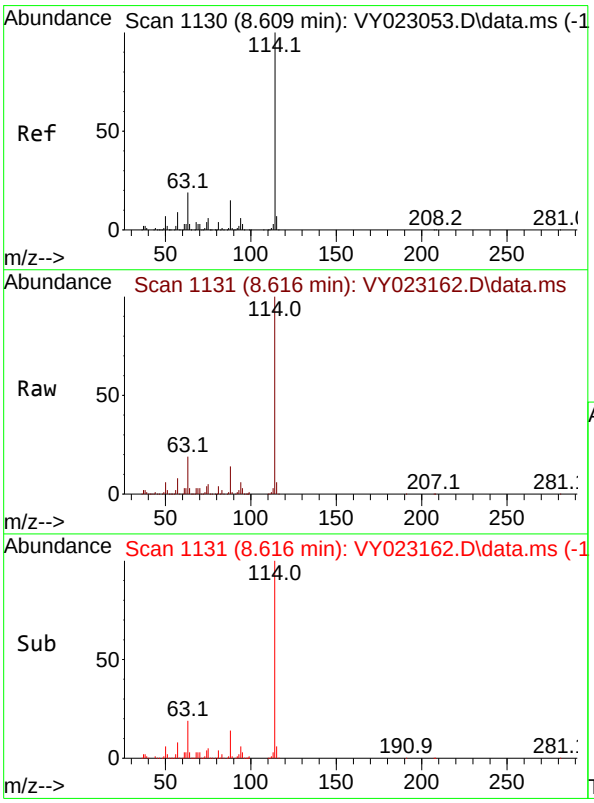
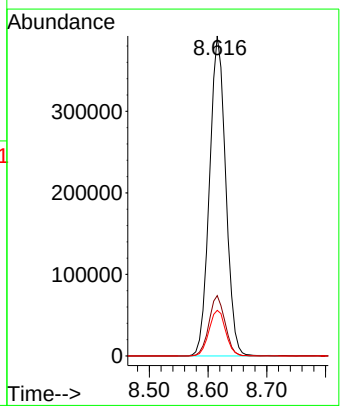
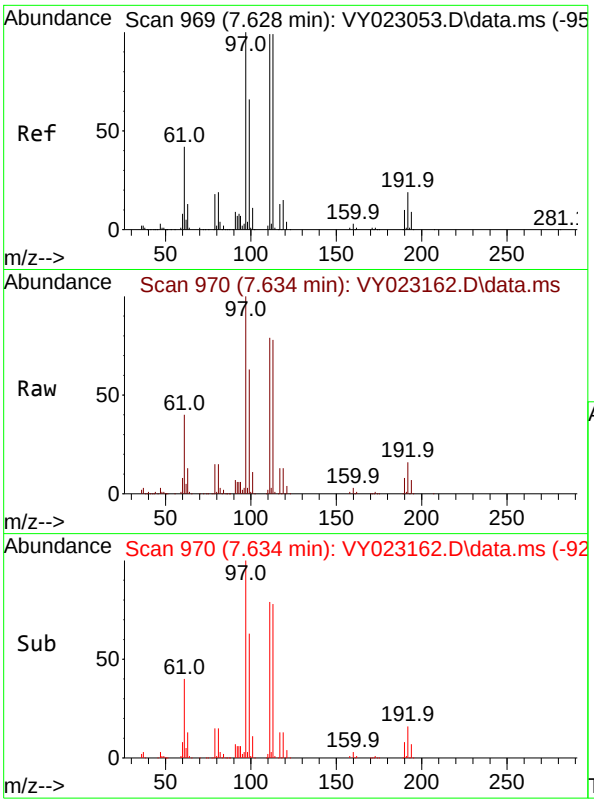


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:114 Resp: 753839

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	14.3	0.0	30.0

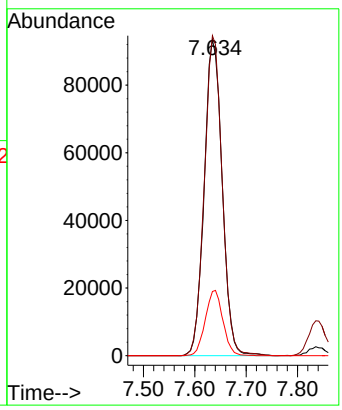




#35
Dibromofluoromethane
Concen: 50.283 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:113 Resp: 22681

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.1	121.7
192	20.3	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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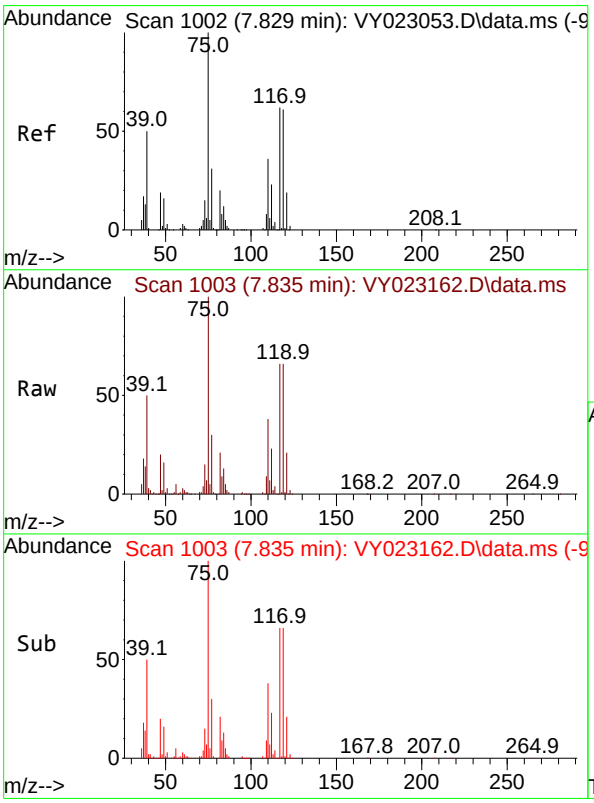
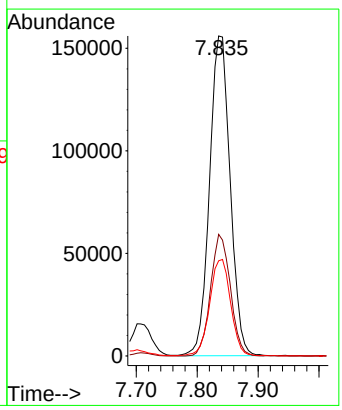
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

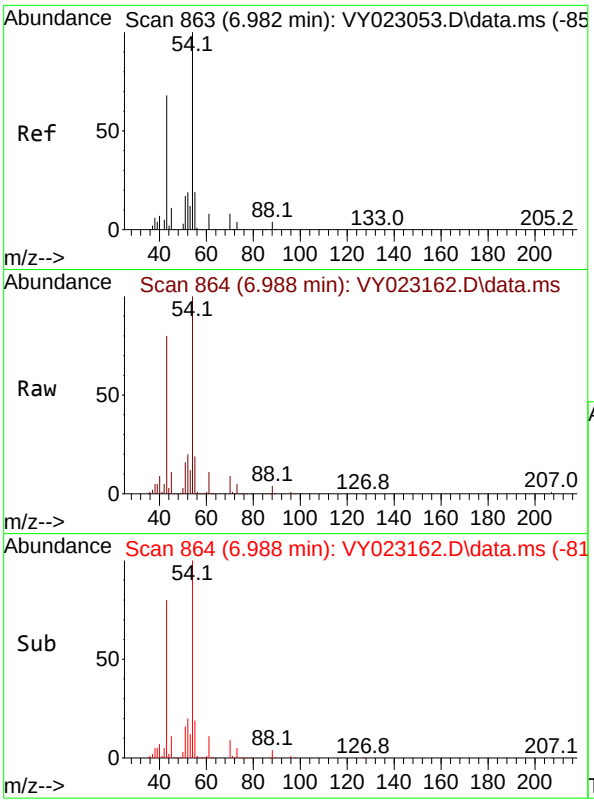


#36
1,1-Dichloropropene
Concen: 54.676 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 75 Resp: 366529

Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	30.6	24.6	37.0





#37
Ethyl Acetate
Concen: 51.218 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 14422

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.2	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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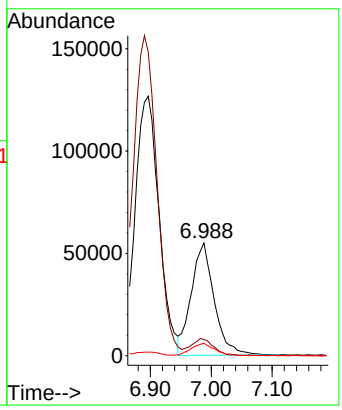
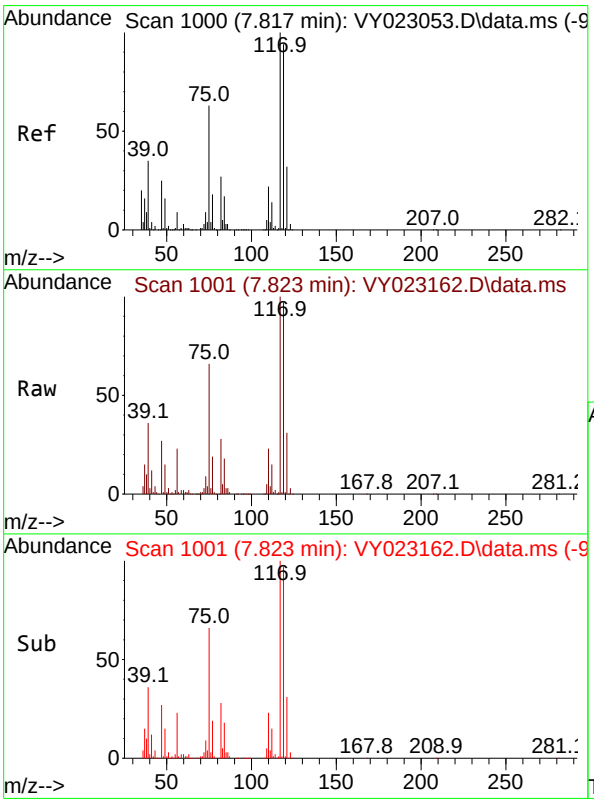
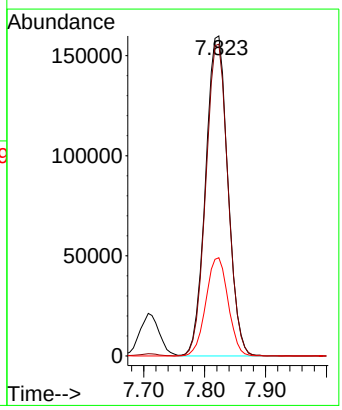


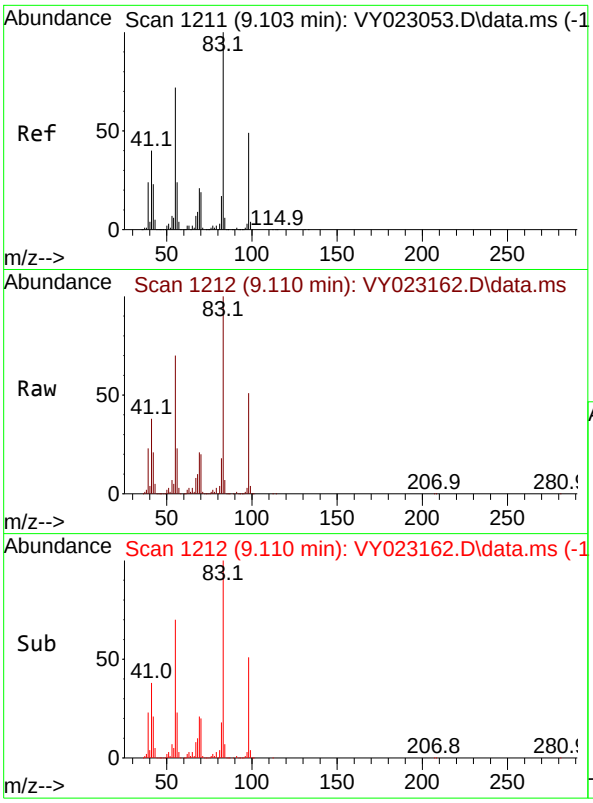


#38
Carbon Tetrachloride
Concen: 55.813 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:117 Resp: 406373

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.6	113.4
121	30.7	25.8	38.8





#39
Methylcyclohexane
Concen: 54.623 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 83 Resp: 48219

Ion	Ratio	Lower	Upper
83	100		
55	69.5	57.6	86.4
98	50.6	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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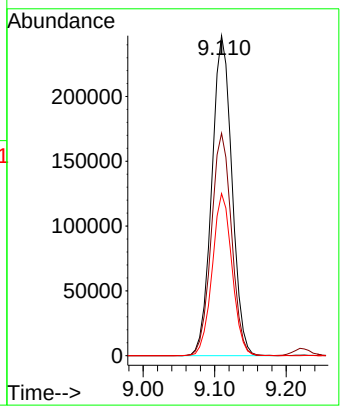
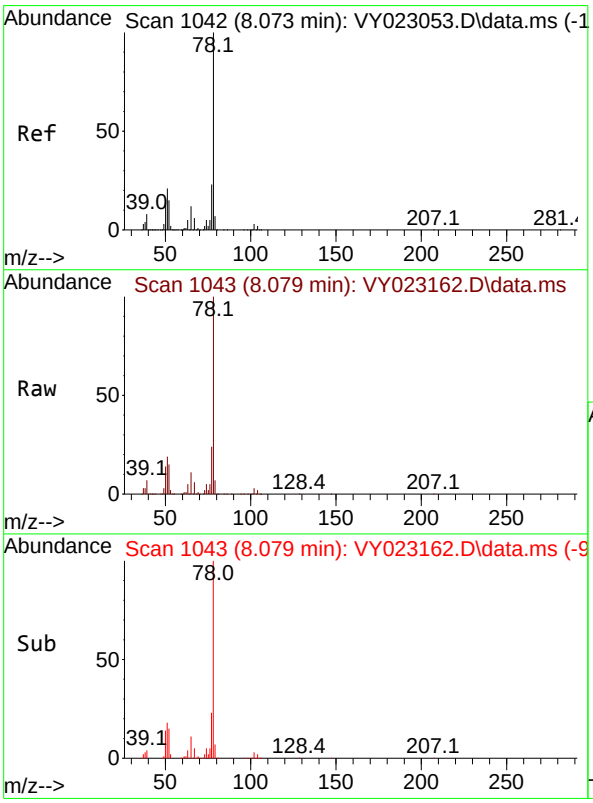
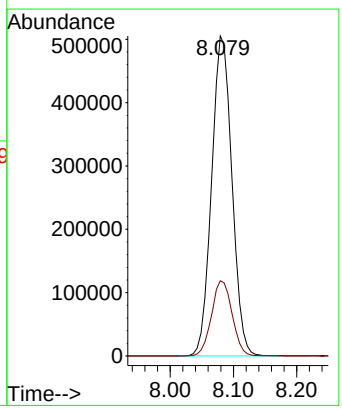


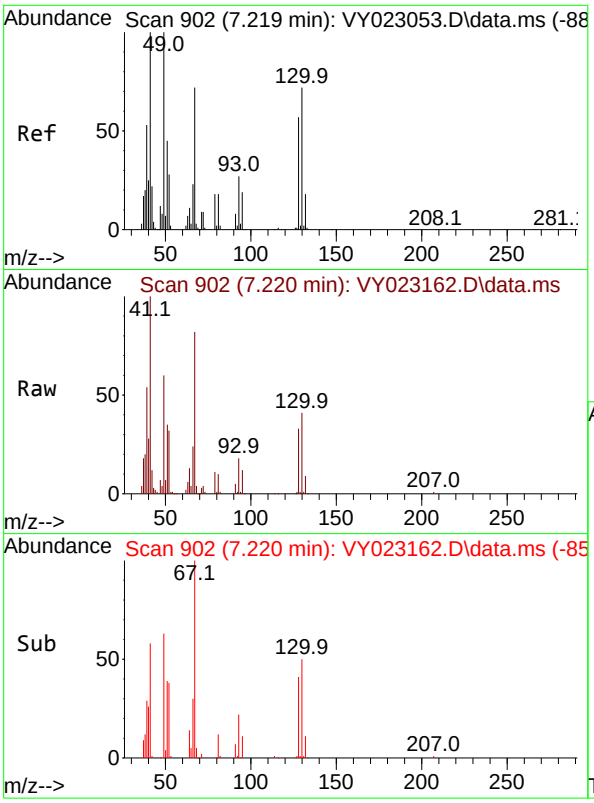


#40
Benzene
Concen: 54.539 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 78 Resp: 1126859

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0

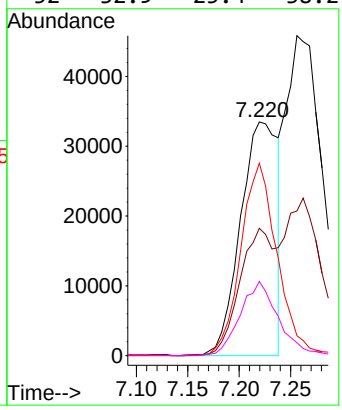




#41
Methacrylonitrile
Concen: 52.092 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 41 Resp: 8465

Ion	Ratio	Lower	Upper
41	100		
39	46.7	43.4	65.2
67	80.4	63.6	95.4
52	32.9	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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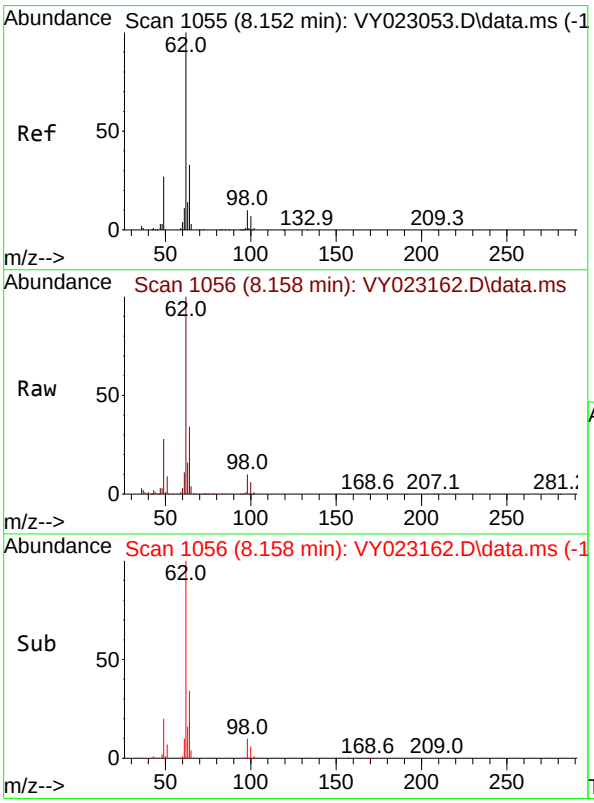
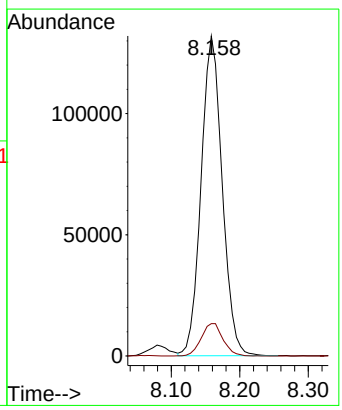
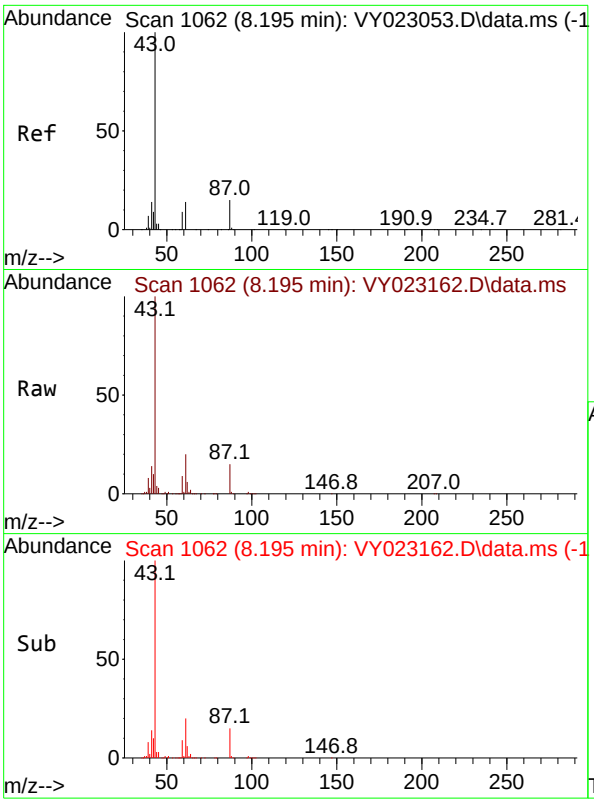


#42
1,2-Dichloroethane
Concen: 52.655 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 62 Resp: 282946

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43
Isopropyl Acetate
Concen: 49.946 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 28427

Ion	Ratio	Lower	Upper
43	100		
61	21.9	16.4	24.6
87	15.1	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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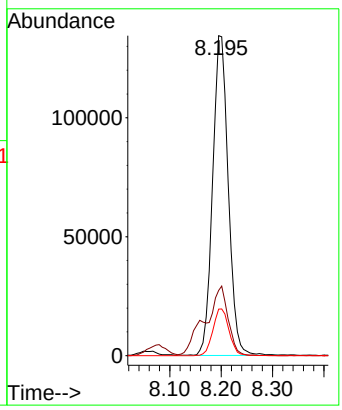
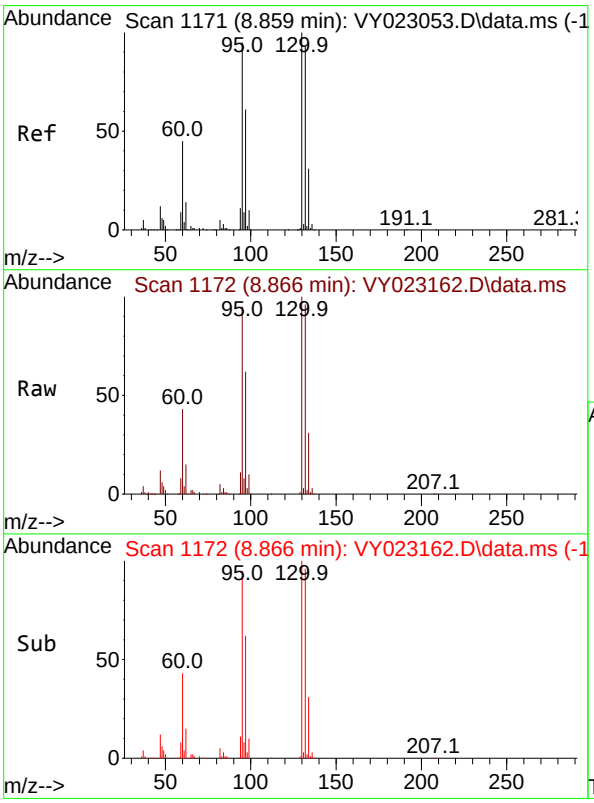
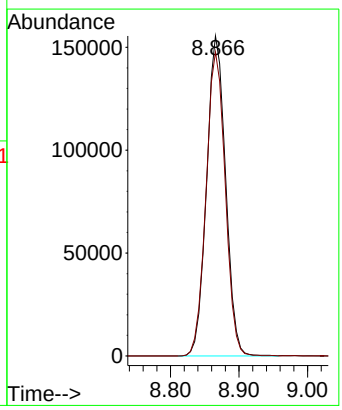


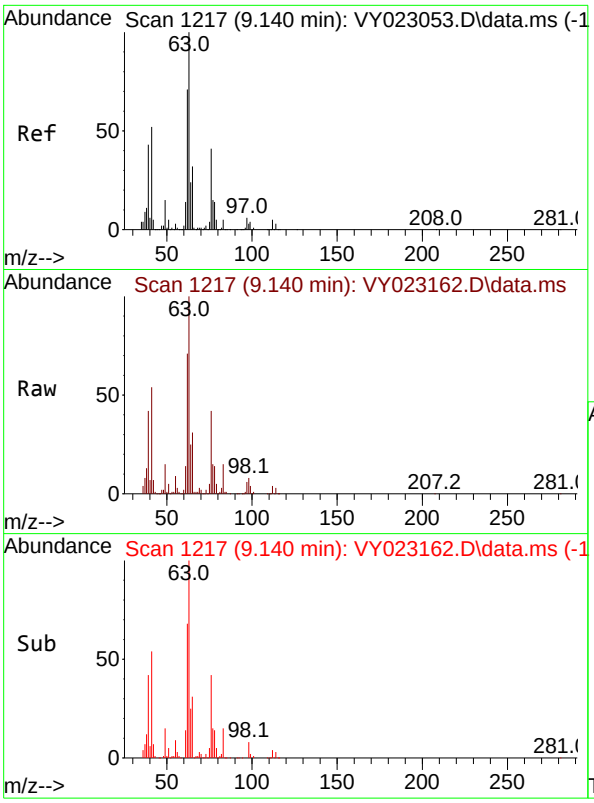


#44
Trichloroethene
Concen: 56.055 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:130 Resp: 299298

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	190.2





#45
1,2-Dichloropropane
Concen: 53.114 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 63 Resp: 25250

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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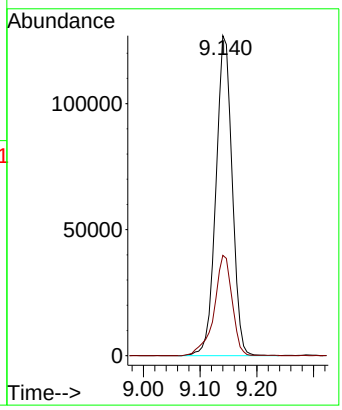
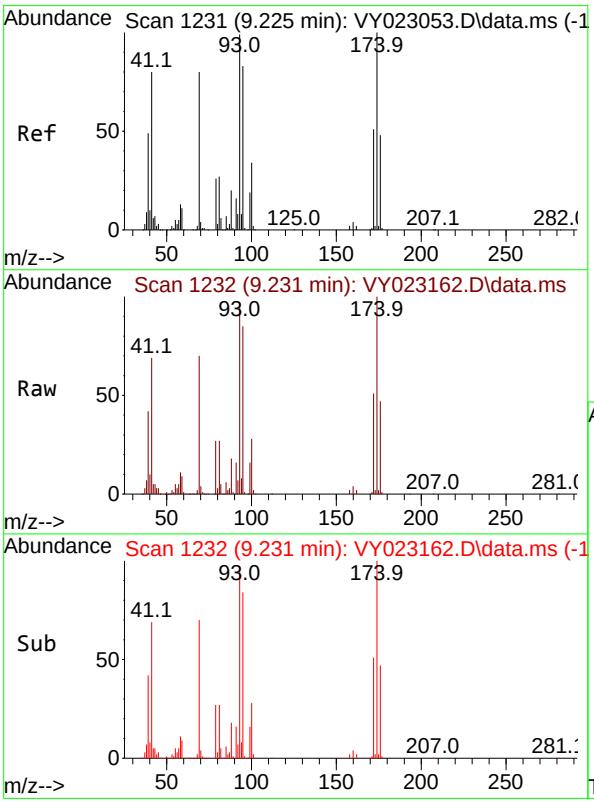
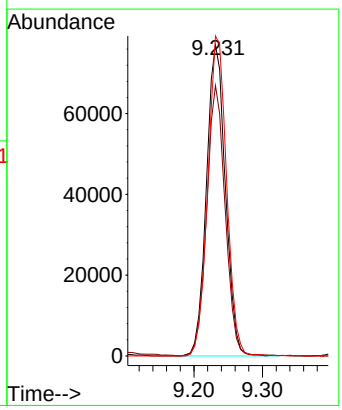


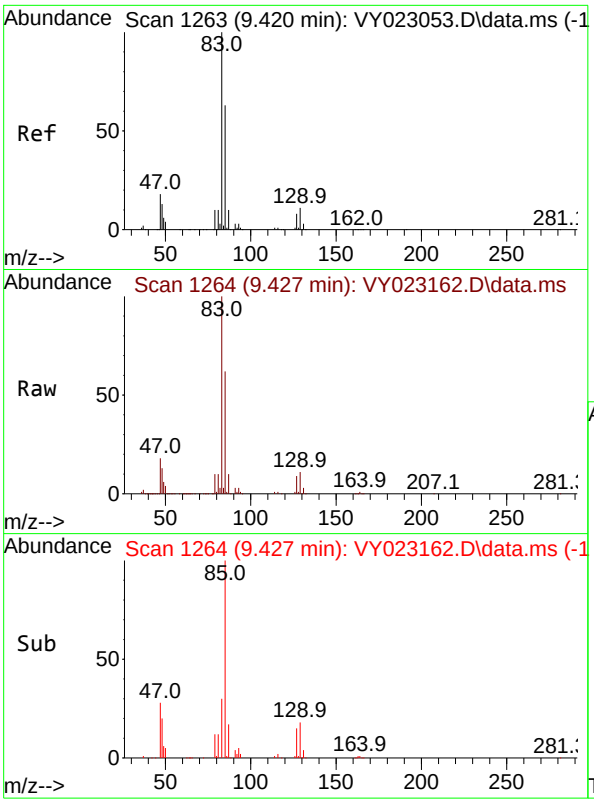


#46
Dibromomethane
Concen: 54.236 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 93 Resp: 147989

Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.5	99.7
174	101.9	81.8	122.8

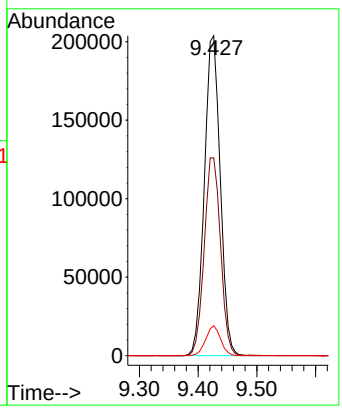




#47
Bromodichloromethane
Concen: 54.618 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 83 Resp: 38348

Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.2	75.4
127	9.3	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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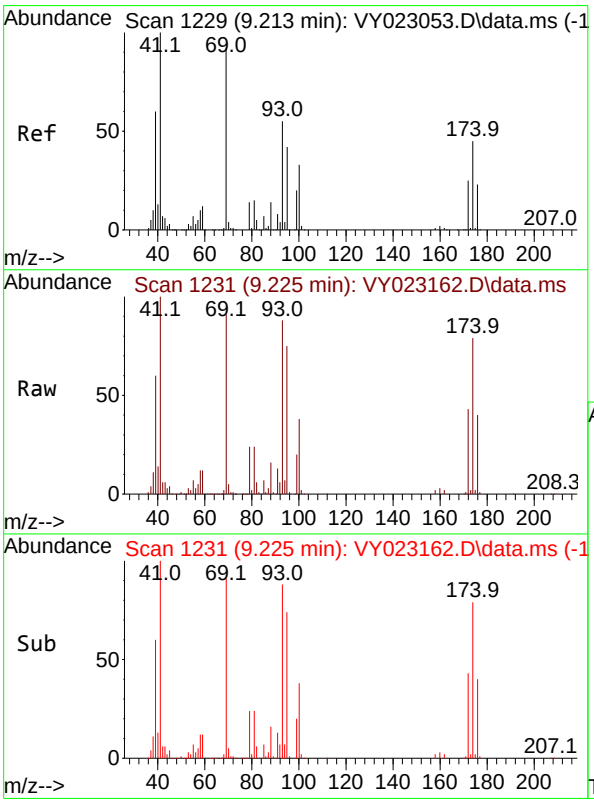
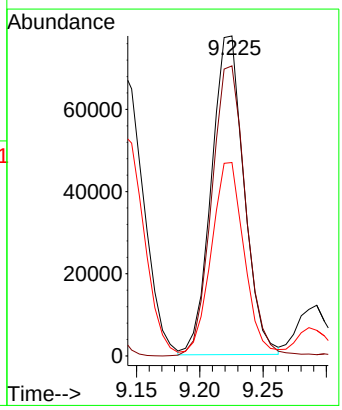
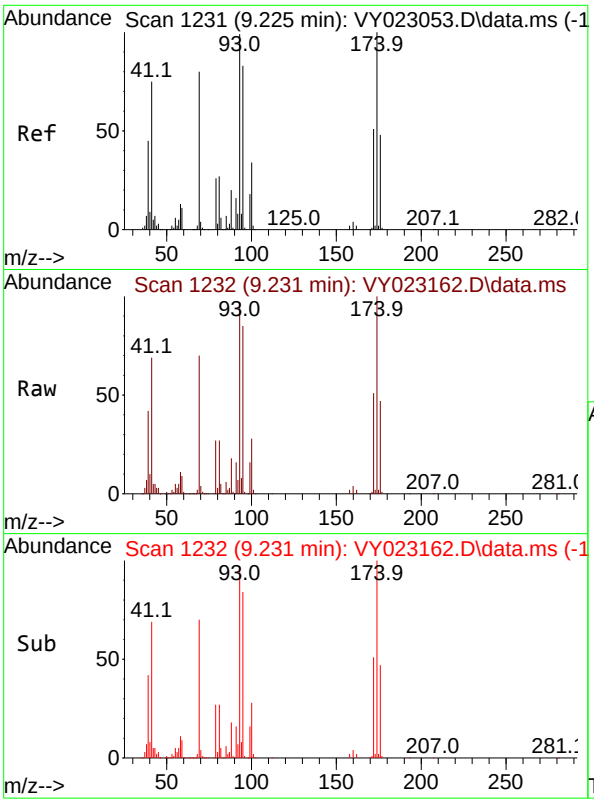


#48
Methyl methacrylate
Concen: 51.164 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 41 Resp: 139348

Ion	Ratio	Lower	Upper
41	100		
69	94.2	73.2	109.8
39	58.8	47.0	70.4

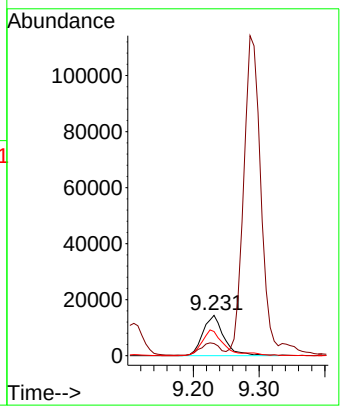




#49
1,4-Dioxane
Concen: 996.184 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 88 Resp: 3187

Ion	Ratio	Lower	Upper
88	100		
43	27.8	24.3	36.5
58	62.7	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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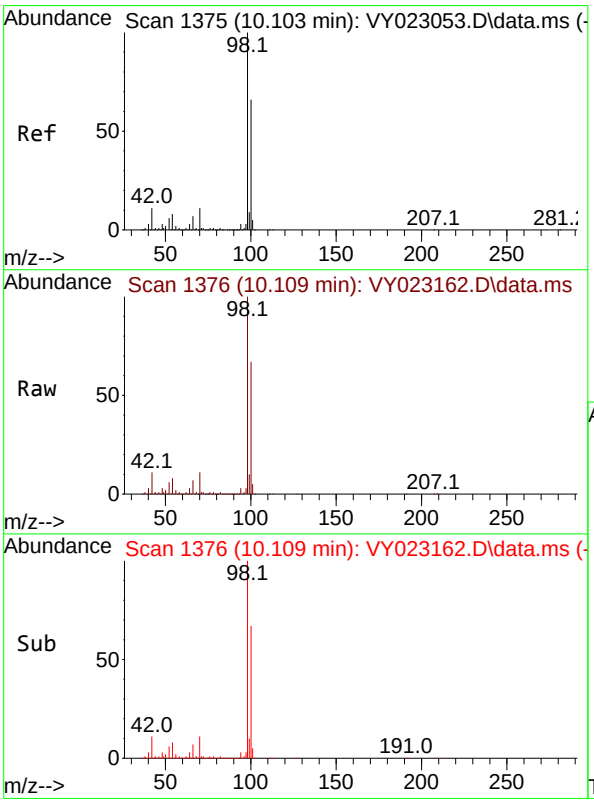
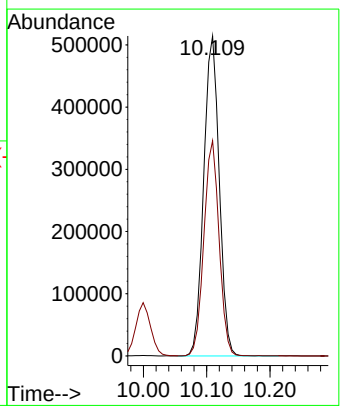
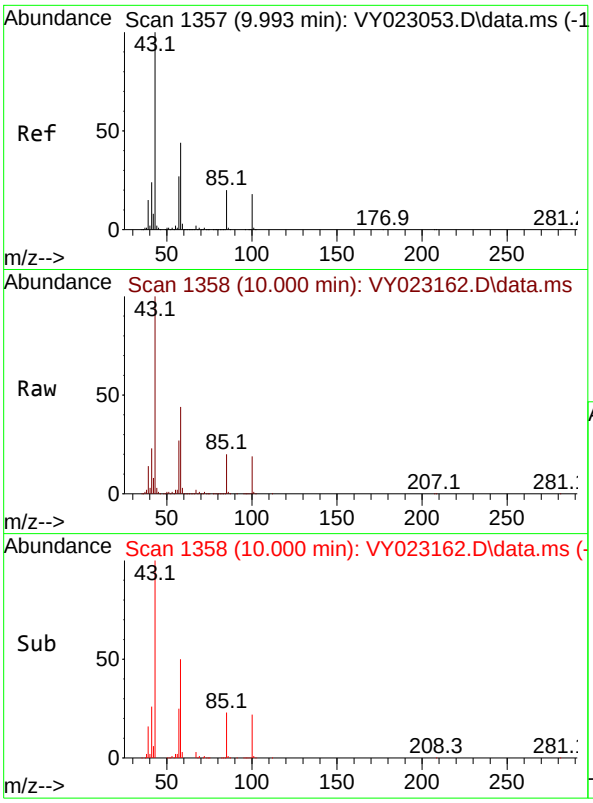


#50
Toluene-d8
Concen: 49.757 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 98 Resp: 876788

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 256.697 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 75363

Ion	Ratio	Lower	Upper
43	100		
58	43.4	33.5	50.3

Instrument :
MSVOA_Y
ClientSampleId :
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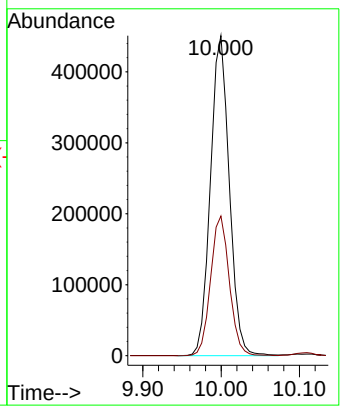
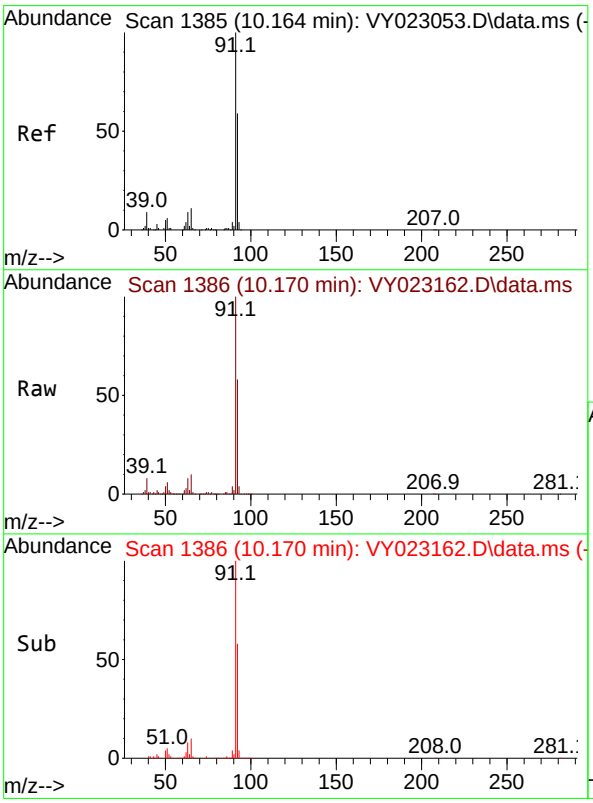
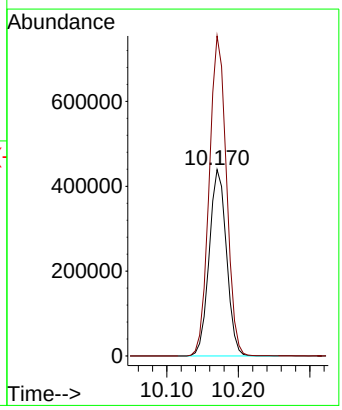


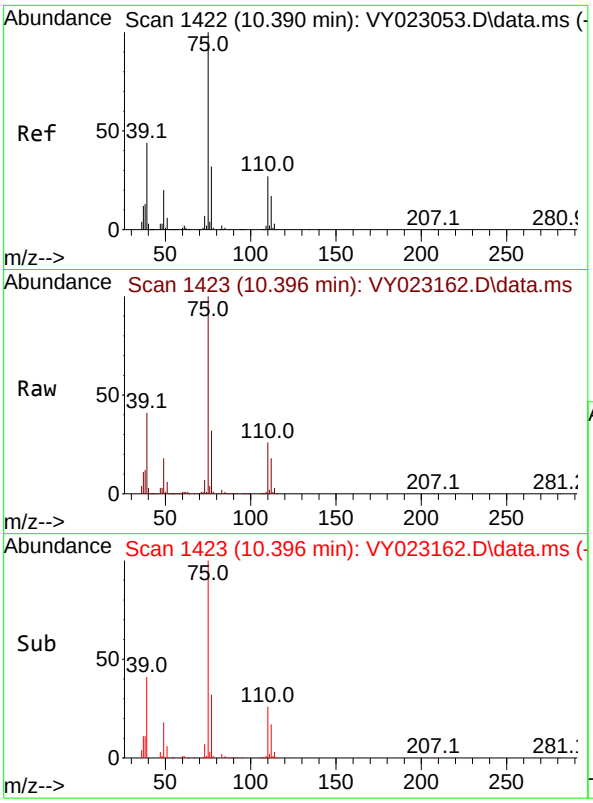


#52
Toluene
Concen: 56.116 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 92 Resp: 736387

Ion	Ratio	Lower	Upper
92	100		
91	171.6	136.4	204.6

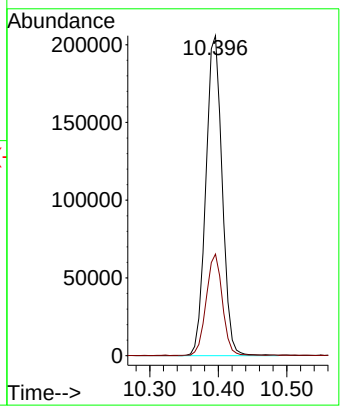




#53
t-1,3-Dichloropropene
Concen: 53.540 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 75 Resp: 34040

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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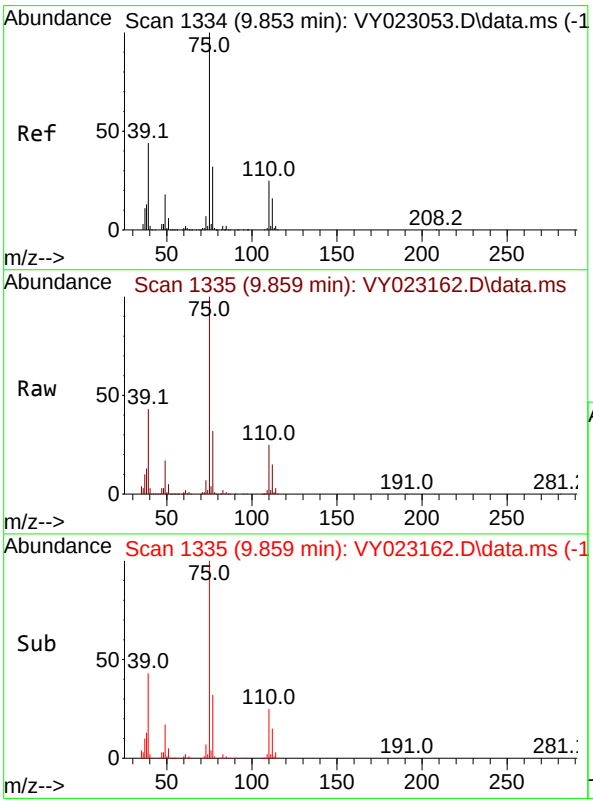
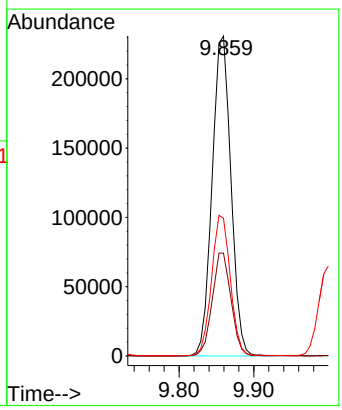
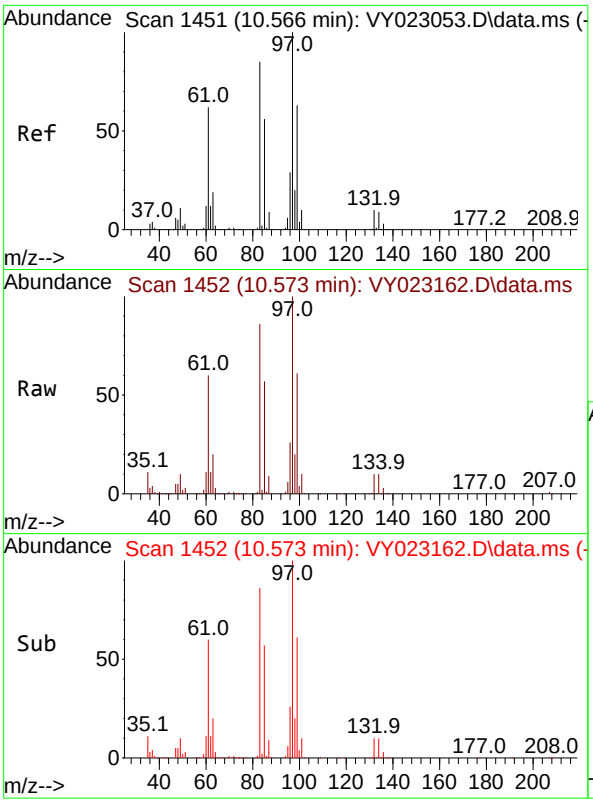


#54
cis-1,3-Dichloropropene
Concen: 53.872 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 75 Resp: 405022

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	43.0	35.6	53.4

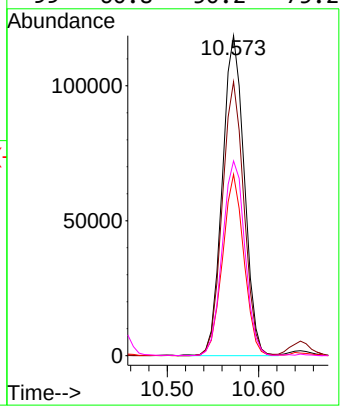




#55
1,1,2-Trichloroethane
Concen: 54.142 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 97 Resp: 19768

Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.7	101.5
85	56.6	44.5	66.7
99	60.8	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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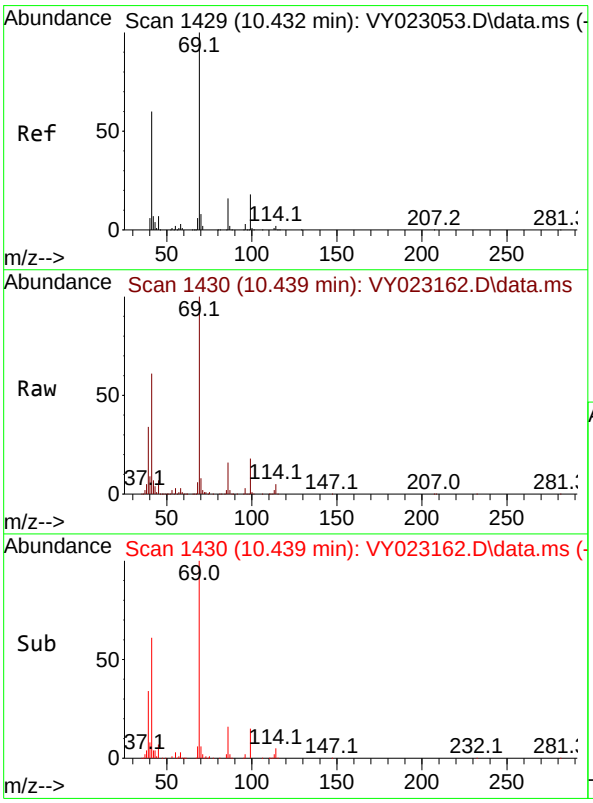
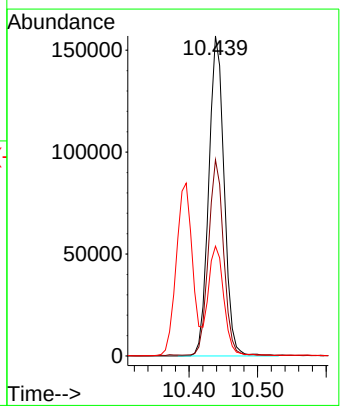
Supervised By :Semsettin Yesilyurt 08/22/2025

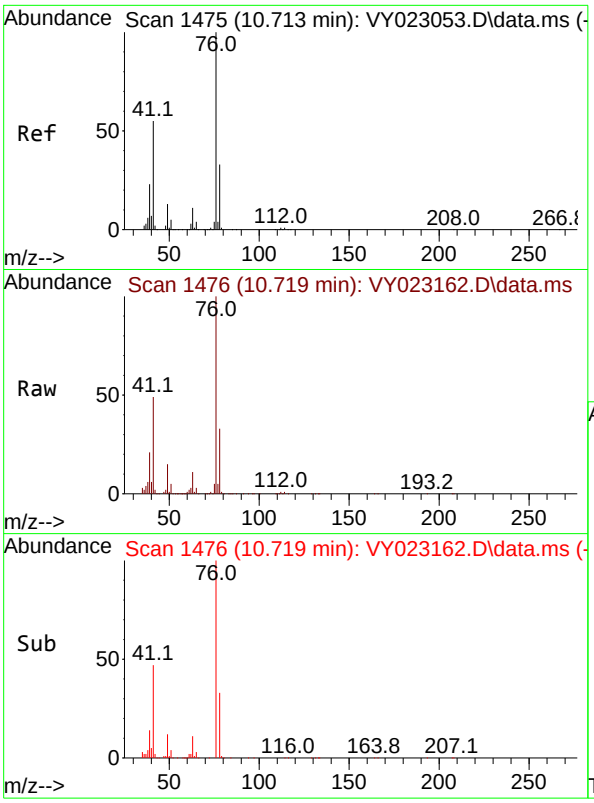


#56
Ethyl methacrylate
Concen: 52.434 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 69 Resp: 244976

Ion	Ratio	Lower	Upper
69	100		
41	60.1	48.6	72.8
39	33.7	27.0	40.4

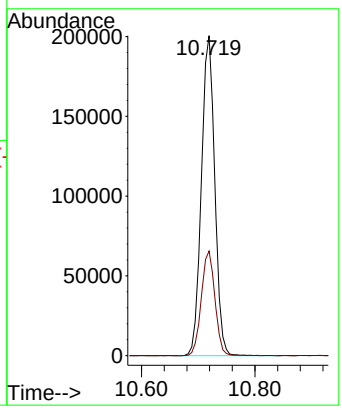




#57
1,3-Dichloropropane
Concen: 52.905 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 76 Resp: 32759

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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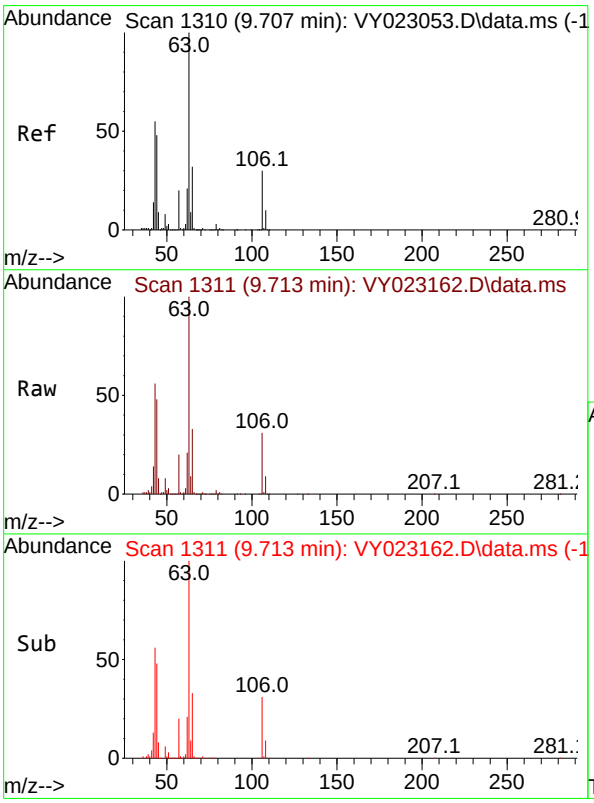
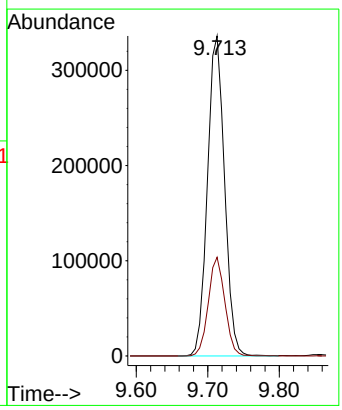
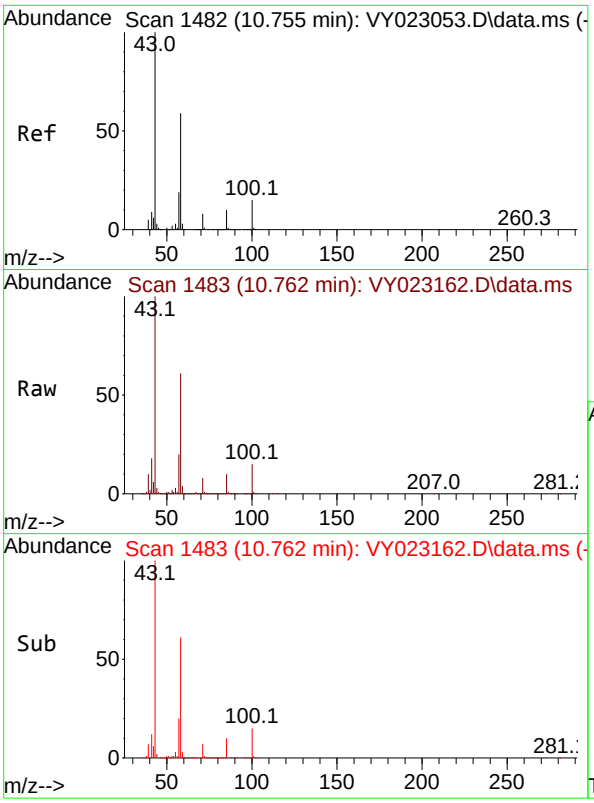


#58
2-Chloroethyl Vinyl ether
Concen: 252.784 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 63 Resp: 557088

Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.2	34.8





#59
2-Hexanone
Concen: 270.352 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 54046

Ion	Ratio	Lower	Upper
43	100		
58	60.0	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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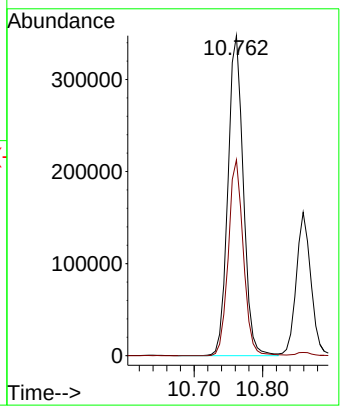
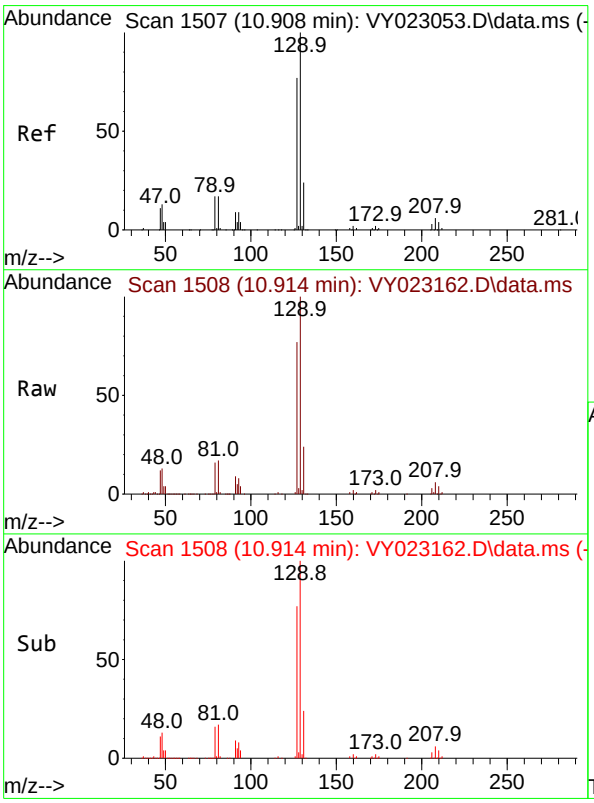
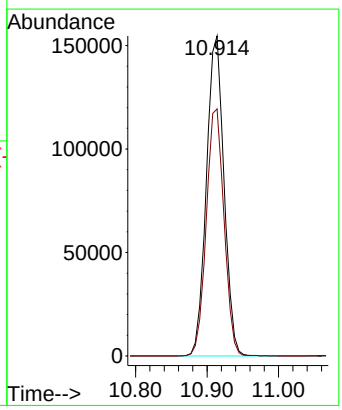


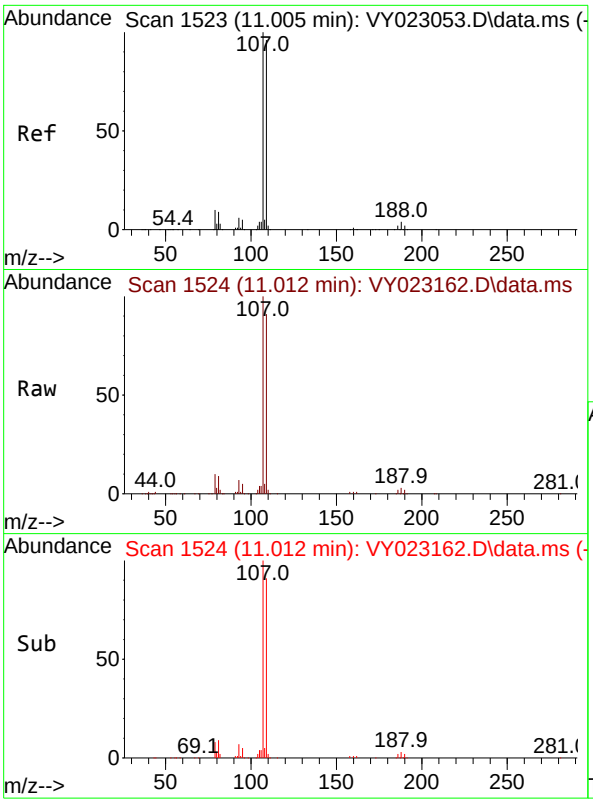


#60
Dibromochloromethane
Concen: 54.767 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:129 Resp: 263855

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5

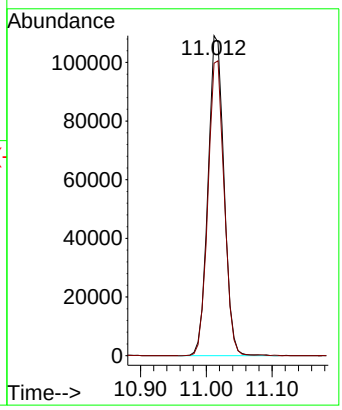




#61
1,2-Dibromoethane
Concen: 53.748 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:107 Resp: 18444

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.6	113.4



Instrument :
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ClientSampleId :
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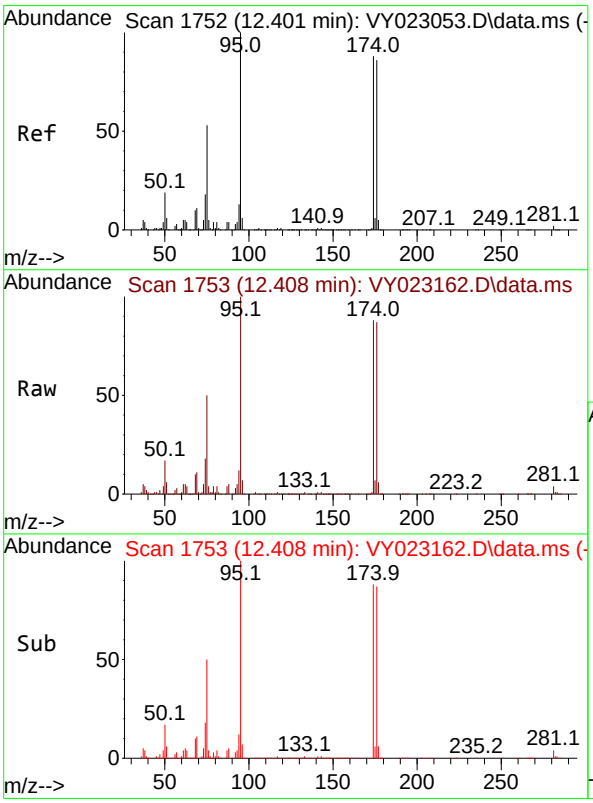
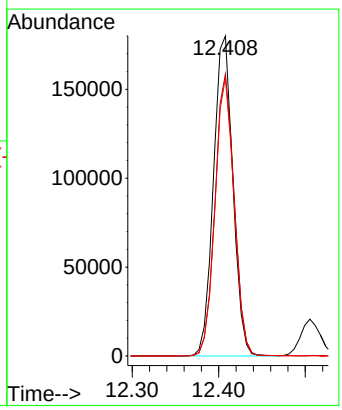
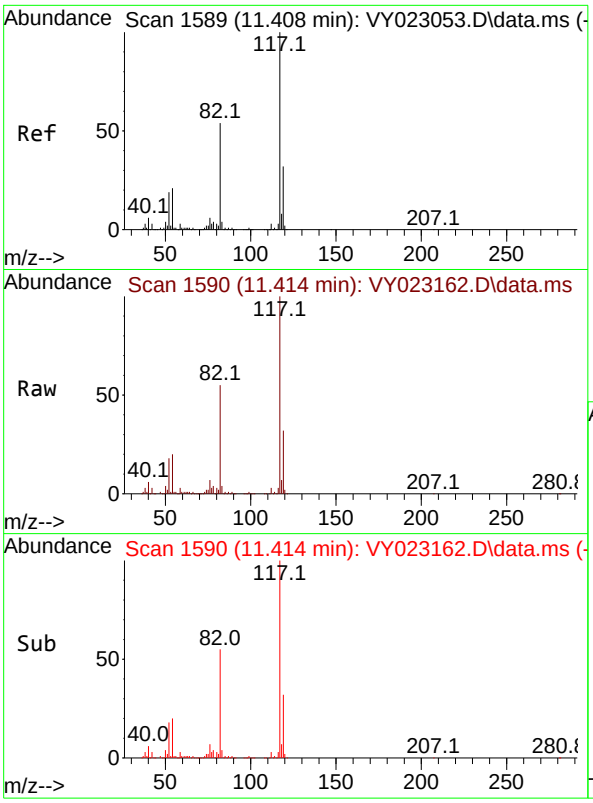


#62
4-Bromofluorobenzene
Concen: 49.355 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 95 Resp: 279699

Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	171.6
176	85.4	0.0	167.6

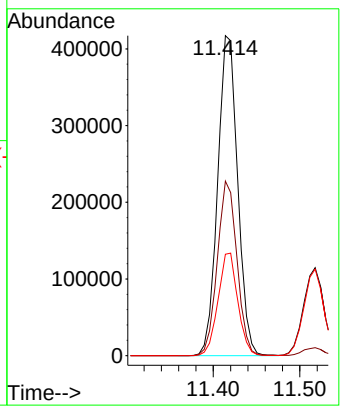




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:117 Resp: 66940

Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.4	65.0
119	31.7	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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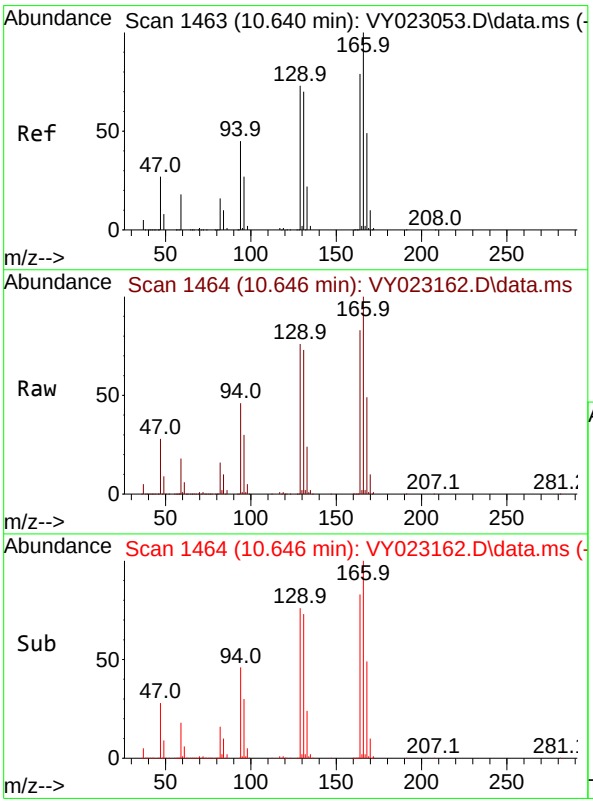
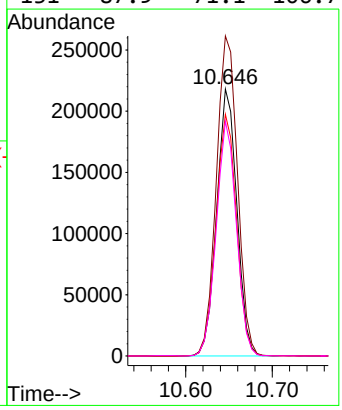
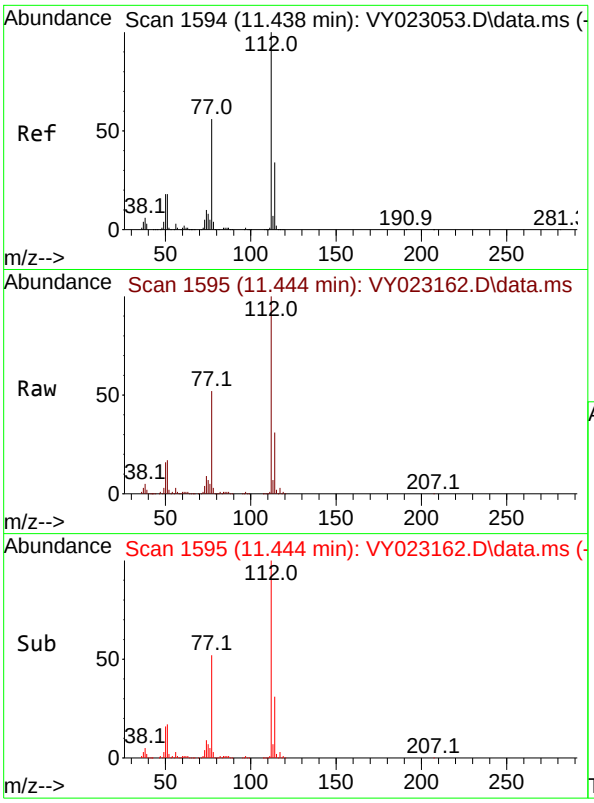


#64
Tetrachloroethene
Concen: 59.168 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:164 Resp: 353669

Ion	Ratio	Lower	Upper
164	100		
166	119.9	101.1	151.7
129	90.5	74.0	111.0
131	87.9	71.1	106.7

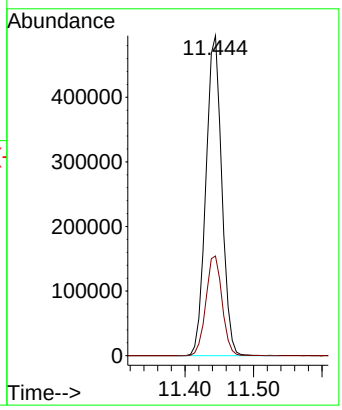




#65
Chlorobenzene
Concen: 55.177 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:112 Resp: 79671

Ion	Ratio	Lower	Upper
112	100		
114	31.1	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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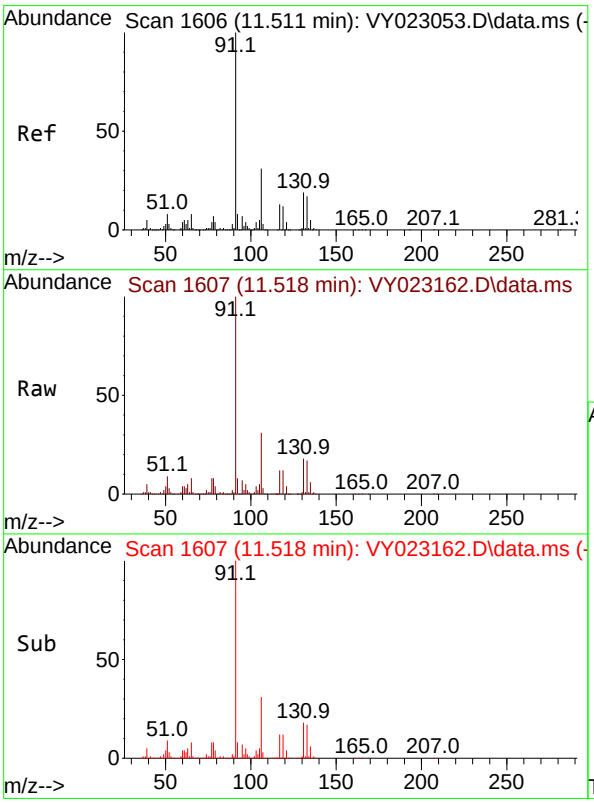
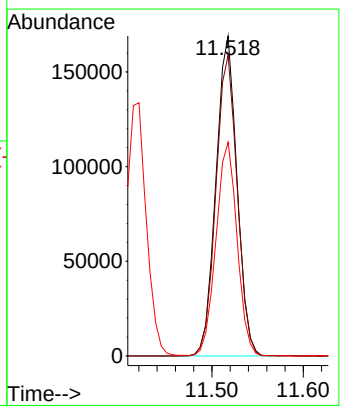
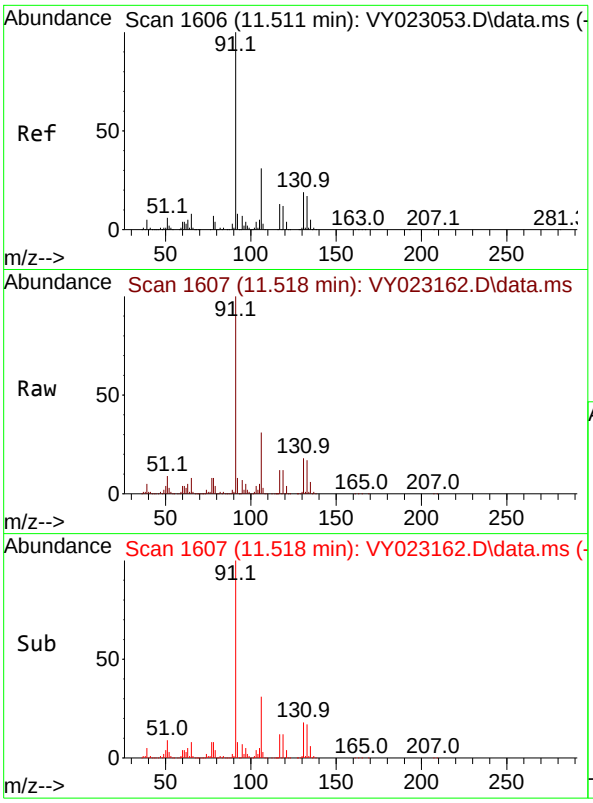


#66
1,1,1,2-Tetrachloroethane
Concen: 55.136 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:131 Resp: 270191

Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.9	140.6
119	67.0	33.2	99.6

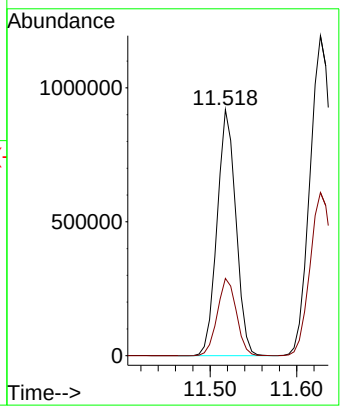




#67
Ethyl Benzene
Concen: 55.702 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 91 Resp: 138409

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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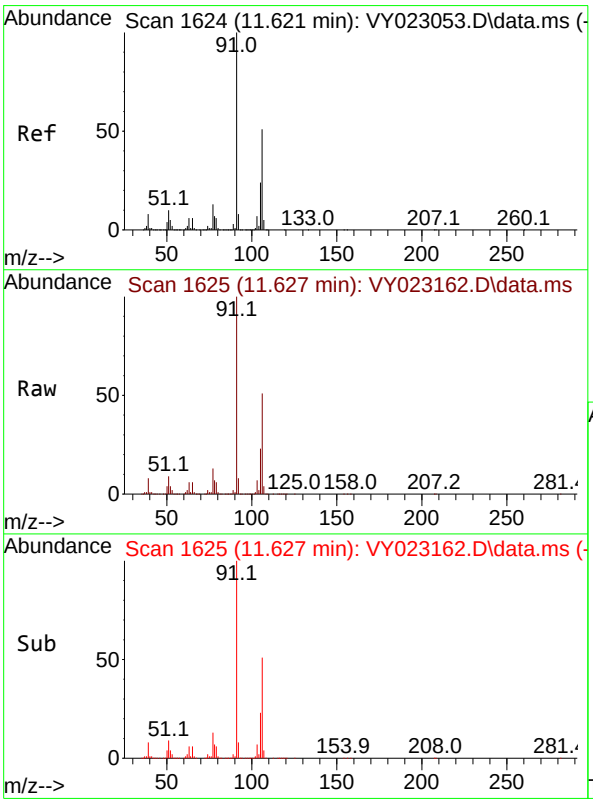
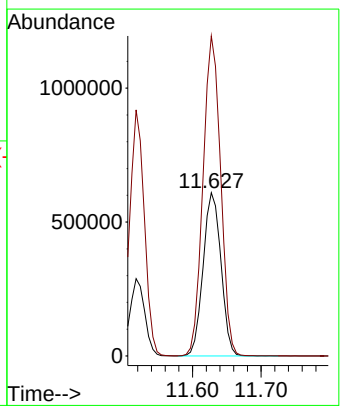
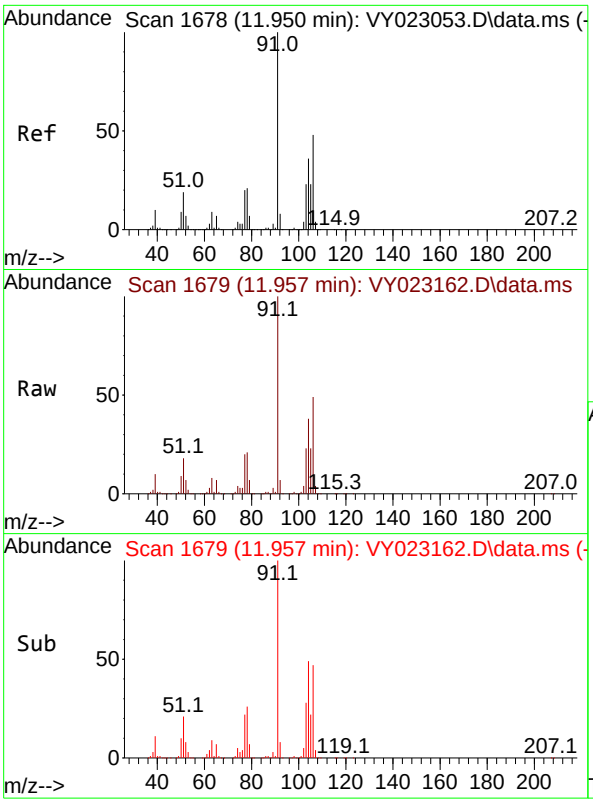


#68
m/p-Xylenes
Concen: 113.946 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:106 Resp: 1105831

Ion	Ratio	Lower	Upper
106	100		
91	193.8	158.6	238.0

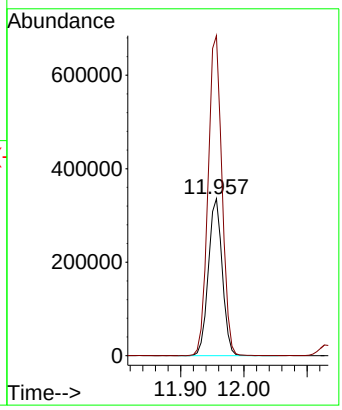




#69
o-Xylene
Concen: 56.325 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:106 Resp: 51196

Ion	Ratio	Lower	Upper
106	100		
91	204.2	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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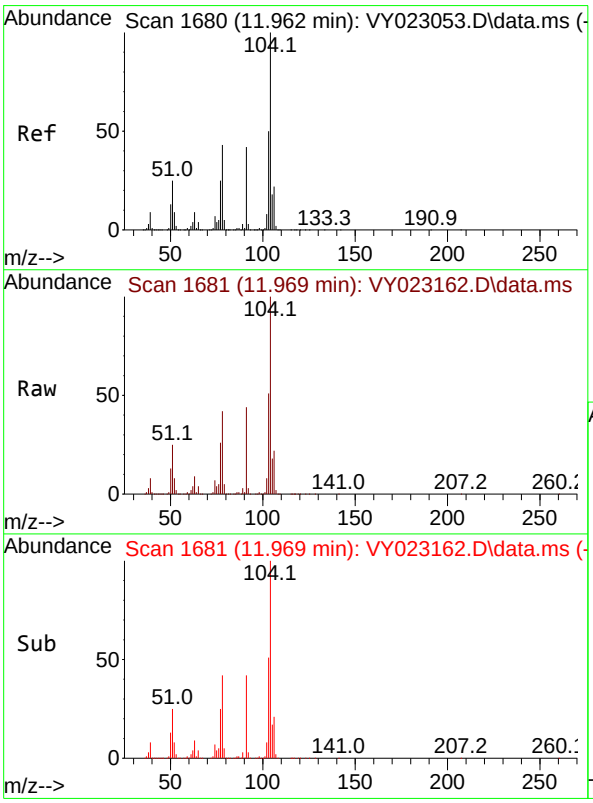
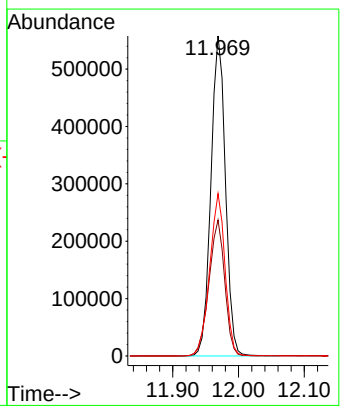
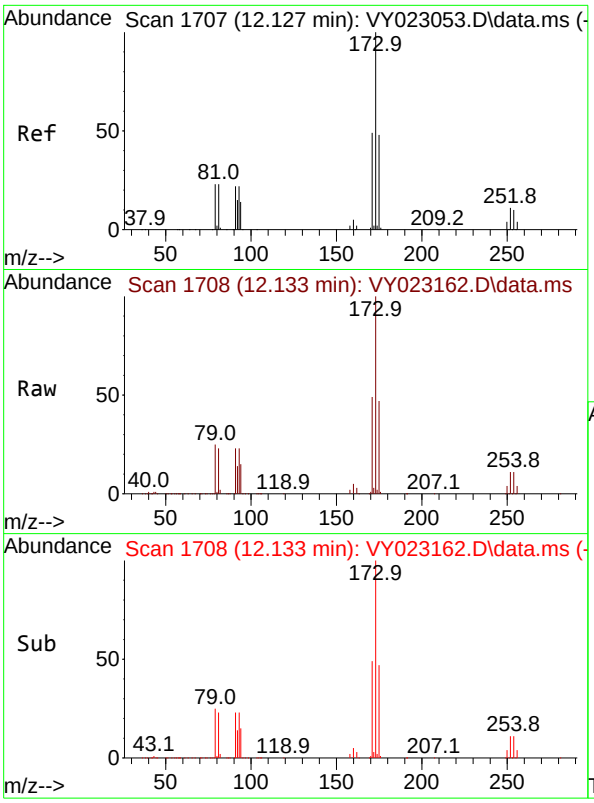


#70
Styrene
Concen: 57.774 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:104 Resp: 858795

Ion	Ratio	Lower	Upper
104	100		
78	46.1	38.5	57.7
103	53.6	43.7	65.5

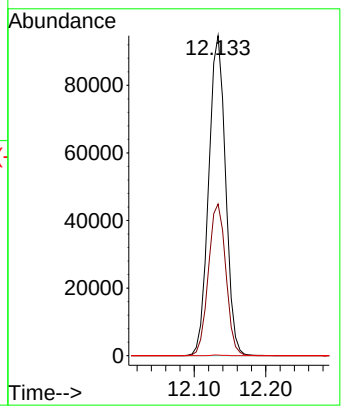




#71
Bromoform
Concen: 54.068 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:173 Resp: 15485

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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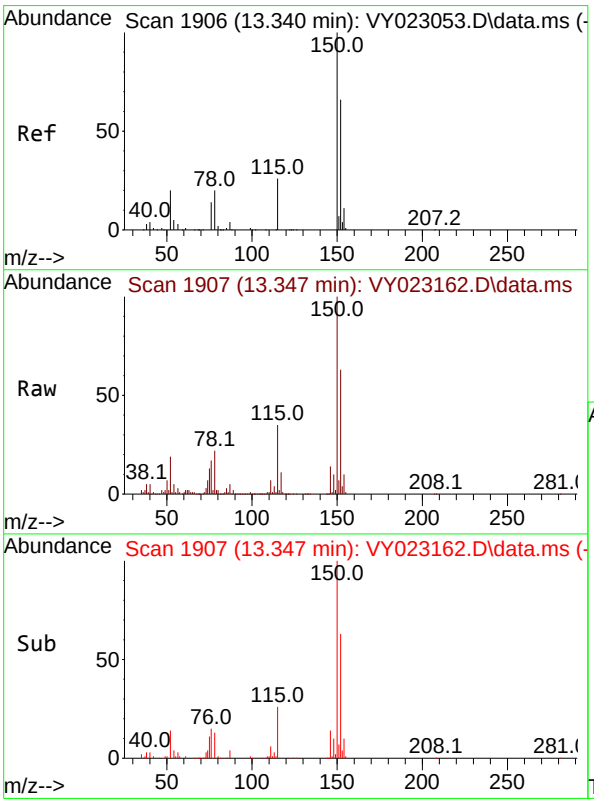
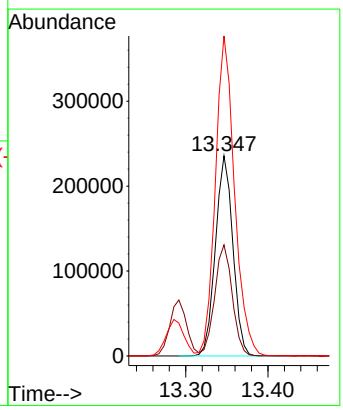
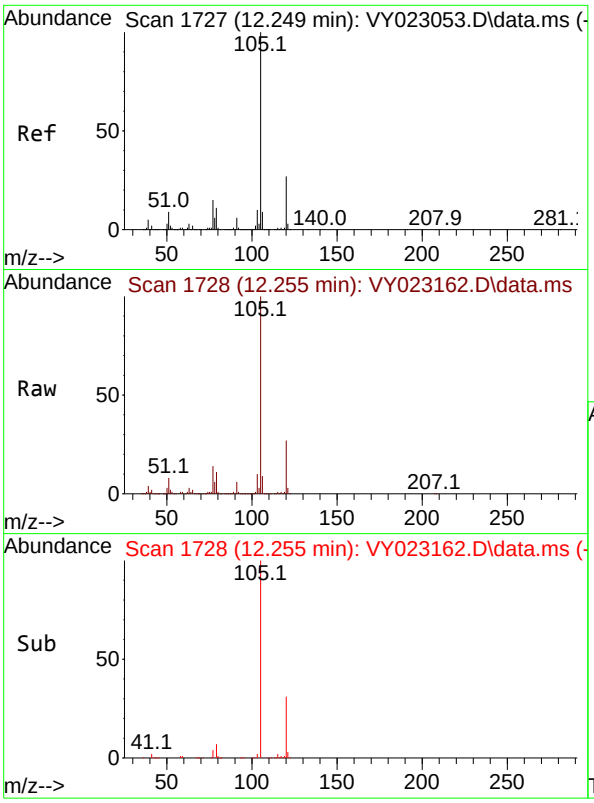


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:152 Resp: 347499

Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.2	84.6
150	175.9	0.0	348.0

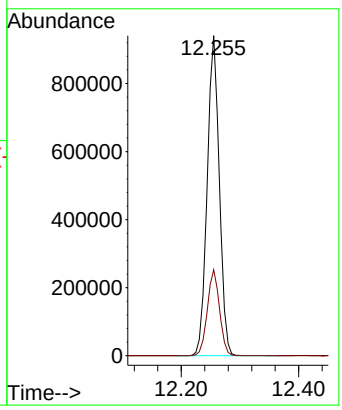




#73
Isopropylbenzene
Concen: 54.871 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:105 Resp: 134576

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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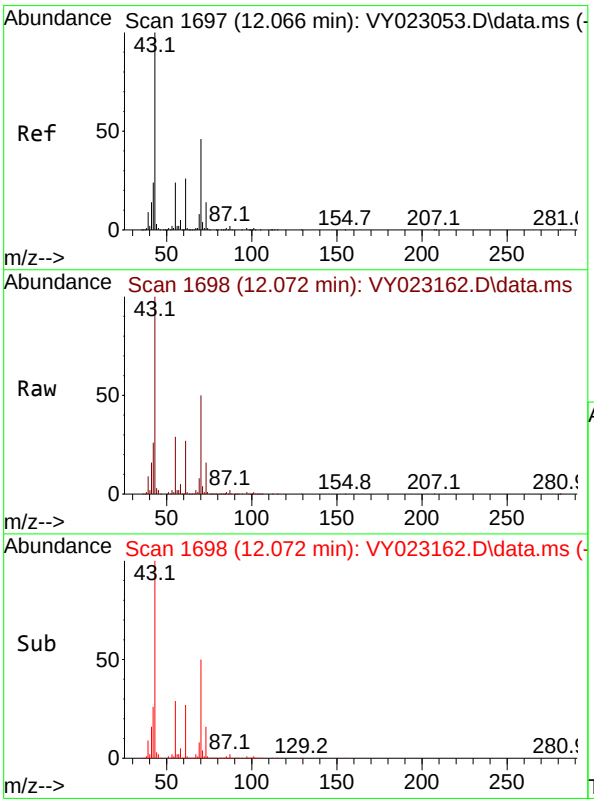
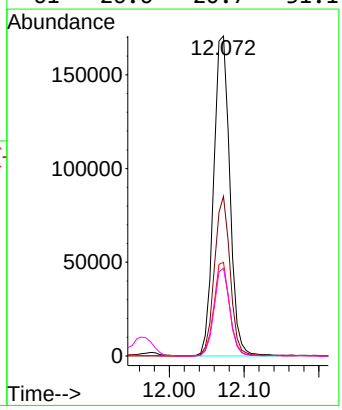
Supervised By :Semsettin Yesilyurt 08/22/2025

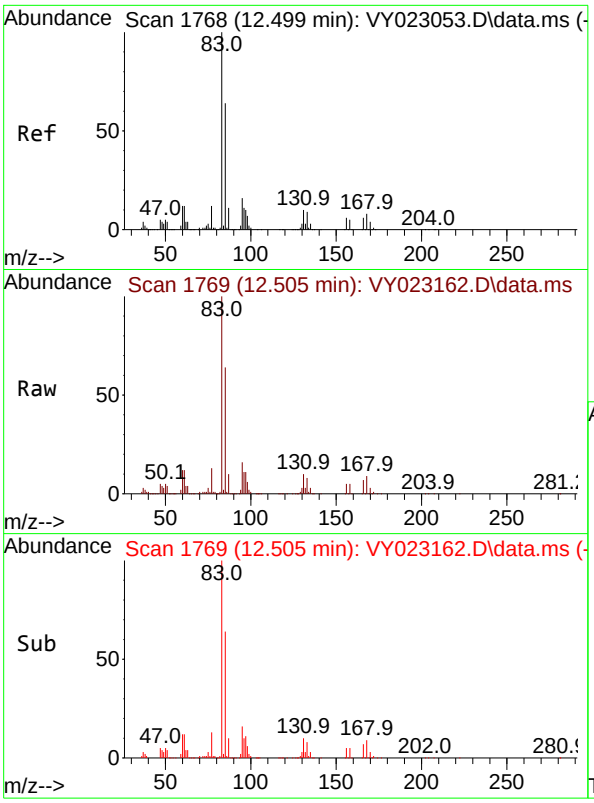


#74
N-amyl acetate
Concen: 49.400 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 43 Resp: 256941

Ion	Ratio	Lower	Upper
43	100		
70	48.3	37.5	56.3
55	28.7	20.7	31.1
61	26.6	20.7	31.1

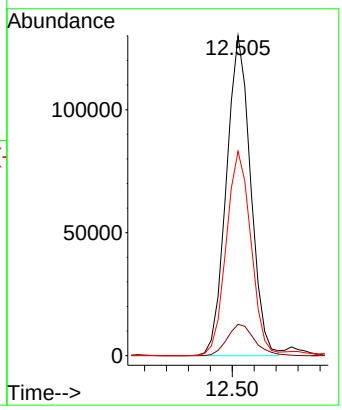




#75
1,1,2,2-Tetrachloroethane
Concen: 47.632 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 83 Resp: 19947

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	65.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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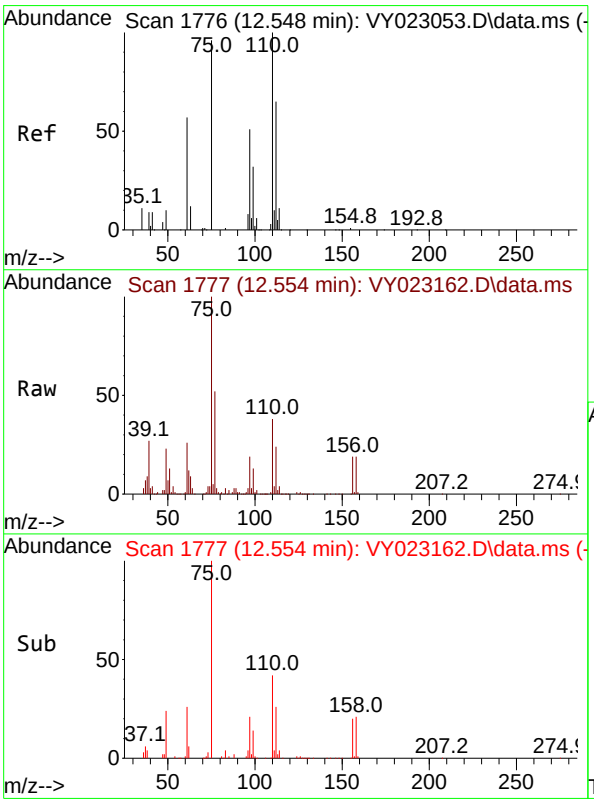
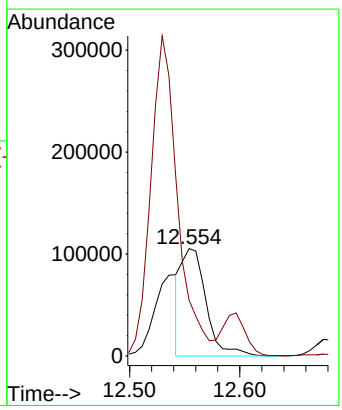
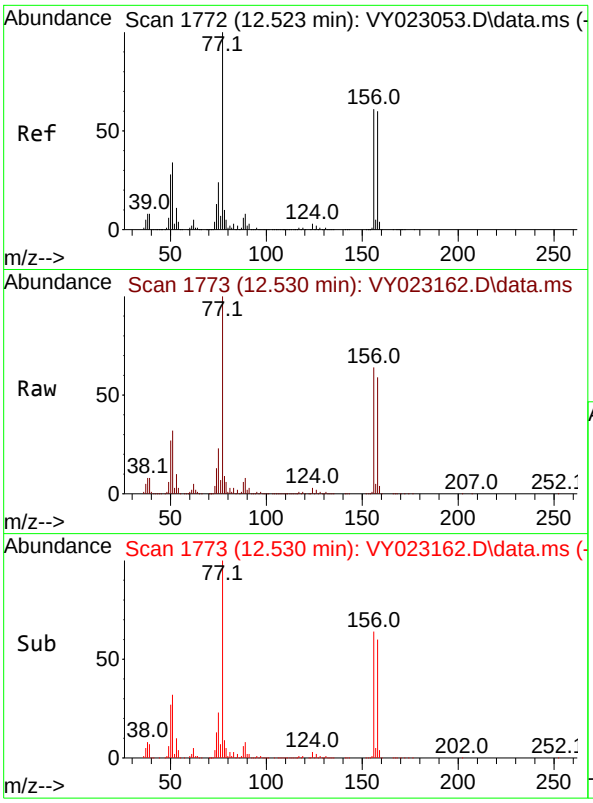


#76
1,2,3-Trichloropropane
Concen: 49.495 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 75 Resp: 165993

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

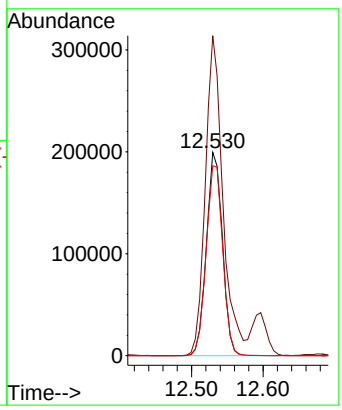




#77
Bromobenzene
Concen: 53.090 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:156 Resp: 31063

Ion	Ratio	Lower	Upper
156	100		
77	171.2	88.1	264.4
158	96.8	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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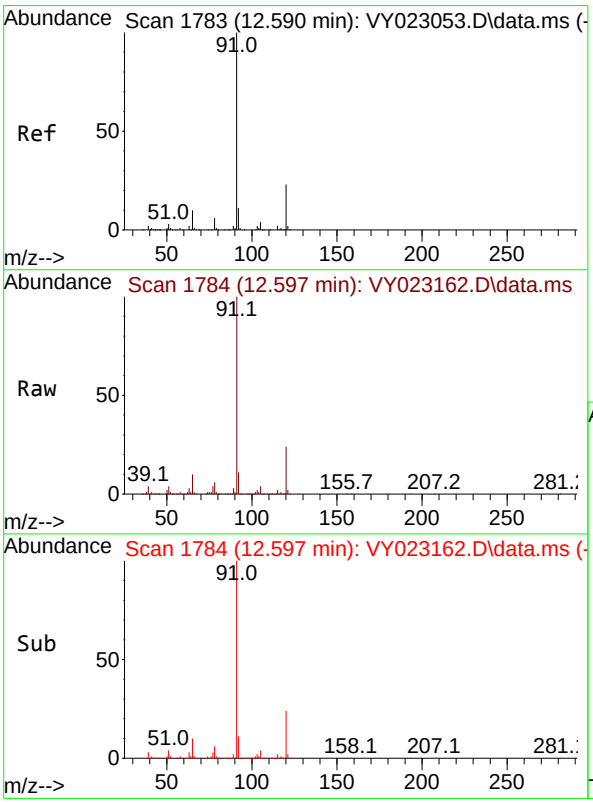
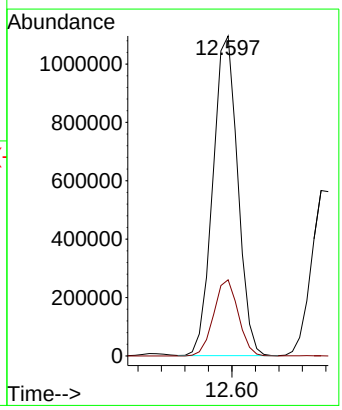
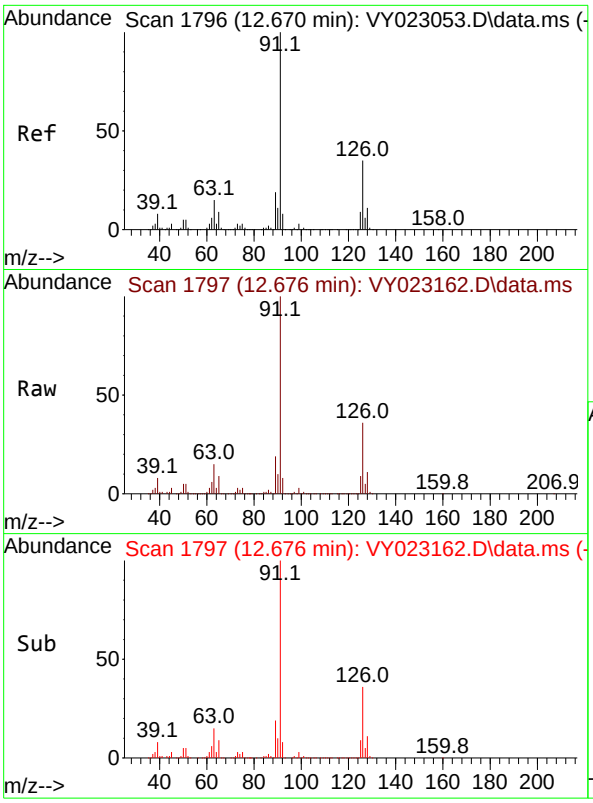


#78
n-propylbenzene
Concen: 55.097 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 91 Resp: 1608842

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5

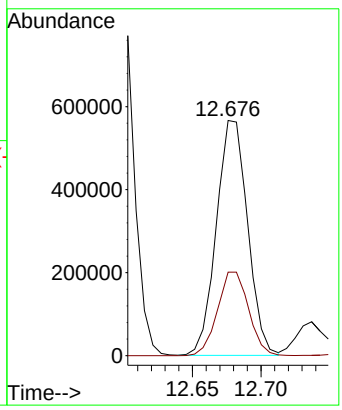




#79
2-Chlorotoluene
Concen: 53.745 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 91 Resp: 89917

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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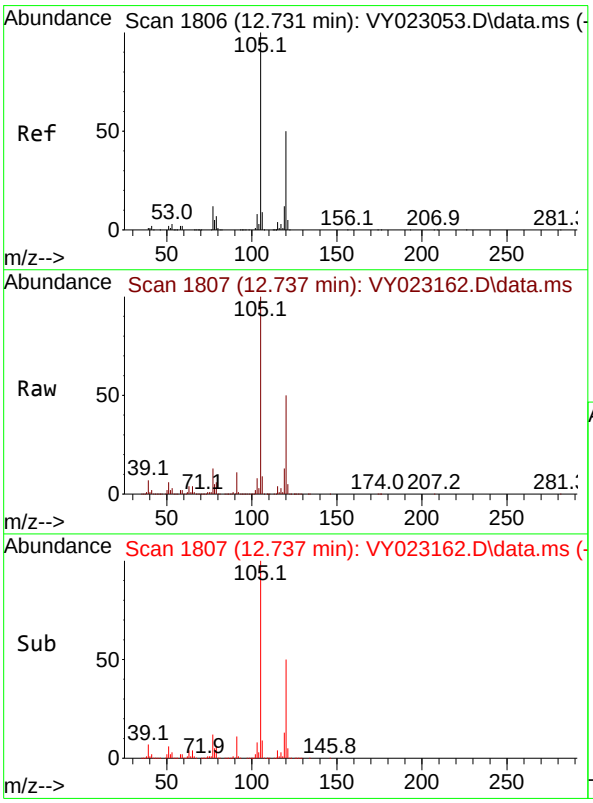
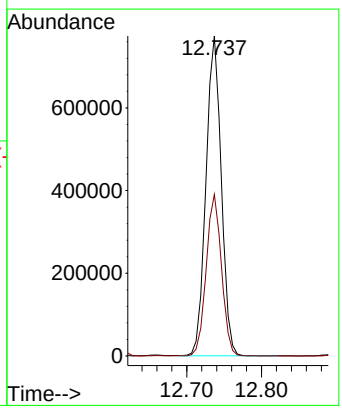
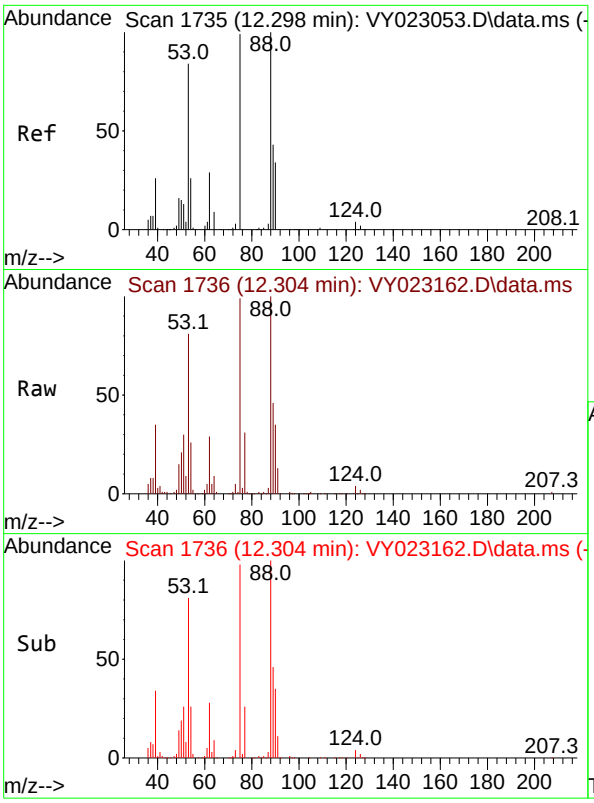


#80
1,3,5-Trimethylbenzene
Concen: 55.500 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:105 Resp: 1100113

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 50.794 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 75 Resp: 7037

Ion	Ratio	Lower	Upper
75	100		
53	87.6	70.8	106.2
89	45.6	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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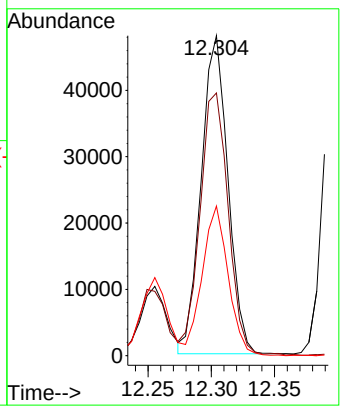
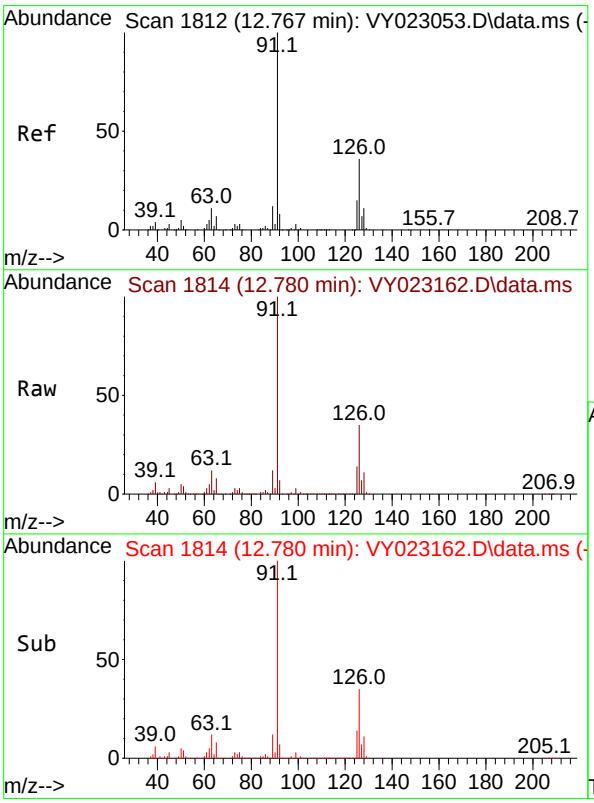
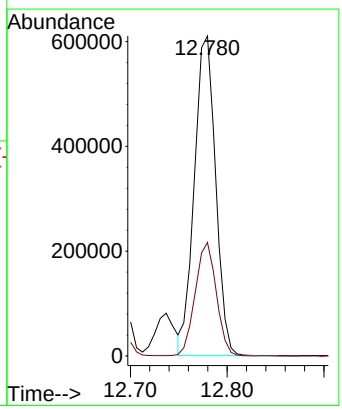


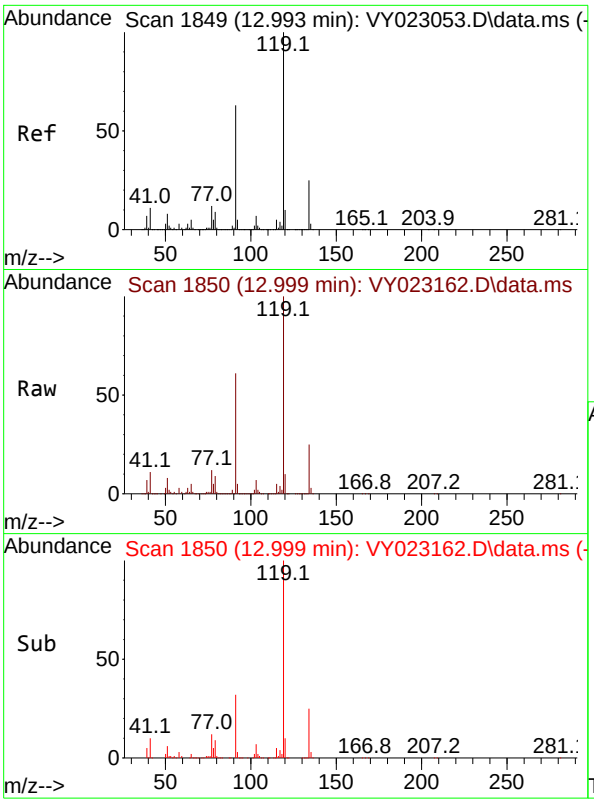


#82
4-Chlorotoluene
Concen: 53.806 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.012 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 91 Resp: 933833

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	52.0

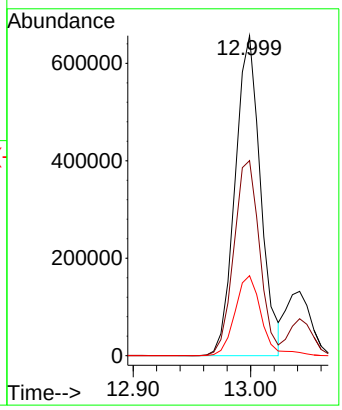




#83
tert-Butylbenzene
Concen: 55.202 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:119 Resp: 98824

Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.6	94.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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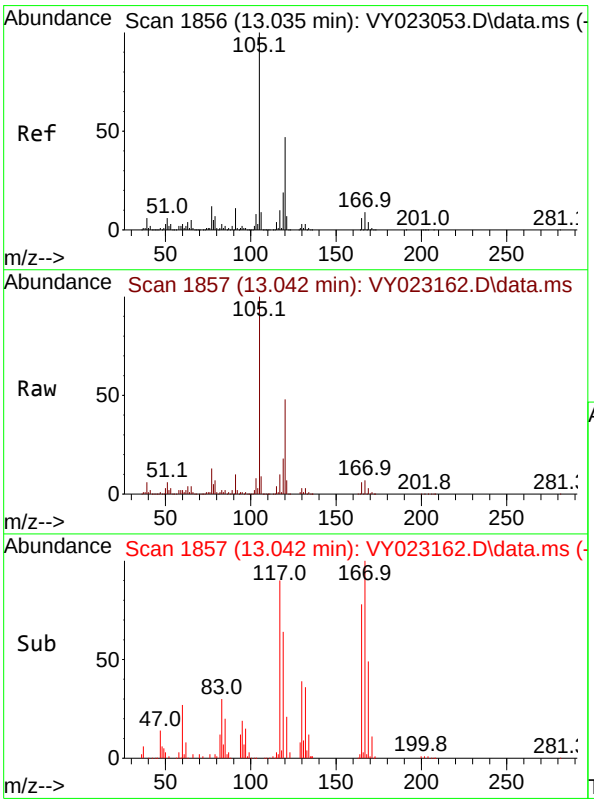
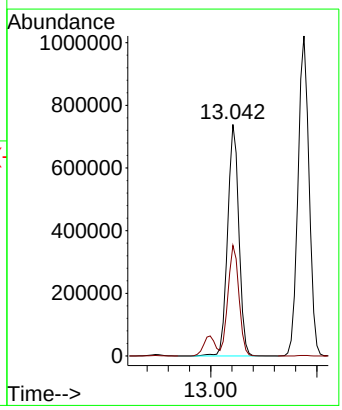
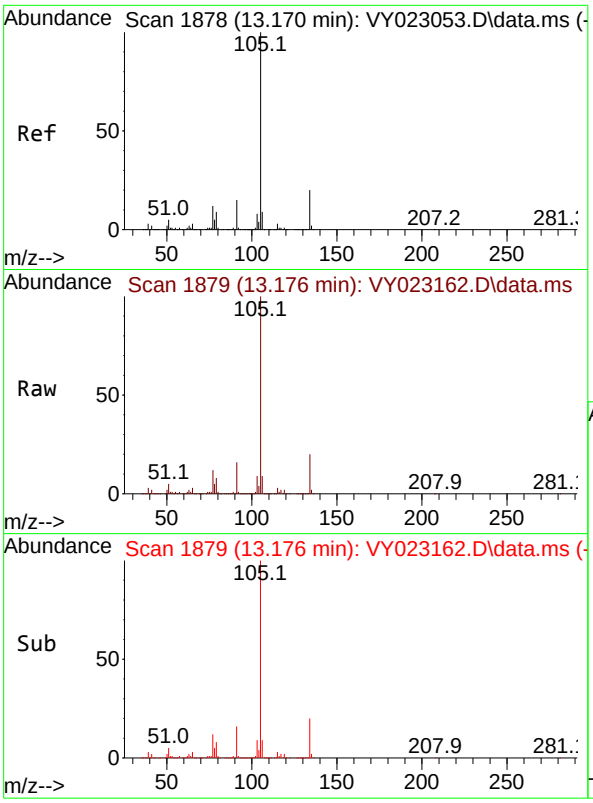


#84
1,2,4-Trimethylbenzene
Concen: 55.087 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:105 Resp: 1086959

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0

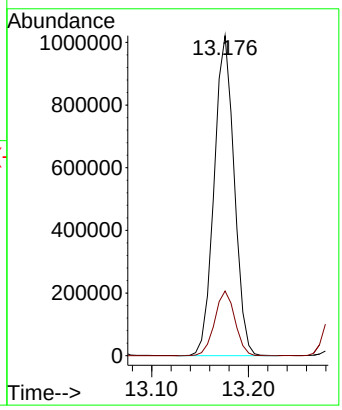




#85
sec-Butylbenzene
Concen: 55.832 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:105 Resp: 146828

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
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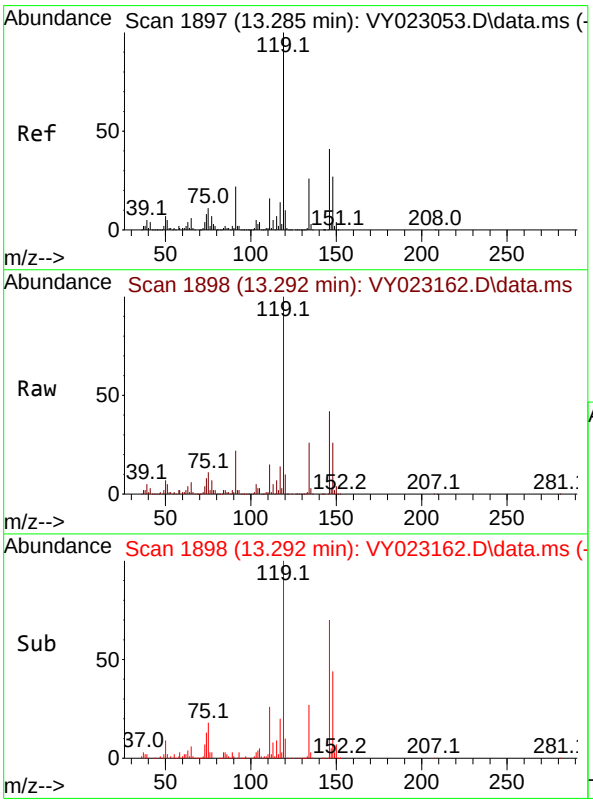
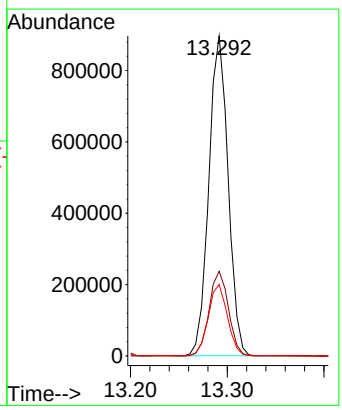
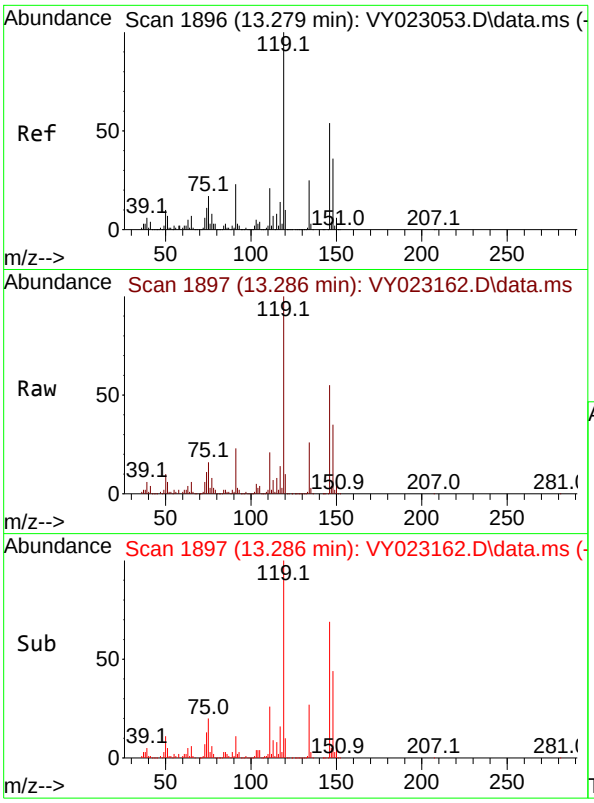


#86
p-Isopropyltoluene
Concen: 56.975 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:119 Resp: 1243706

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.6
91	22.2	11.3	33.8

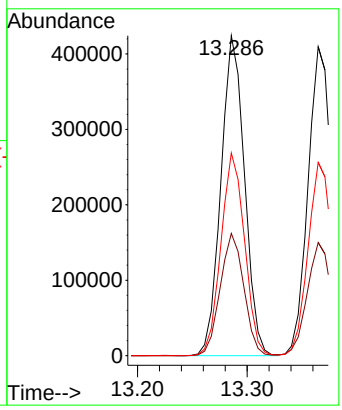




#87
1,3-Dichlorobenzene
Concen: 55.055 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:146 Resp: 63525

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.7
148	63.4	32.5	97.5



Instrument :
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ClientSampleId :
VSTDCCC050

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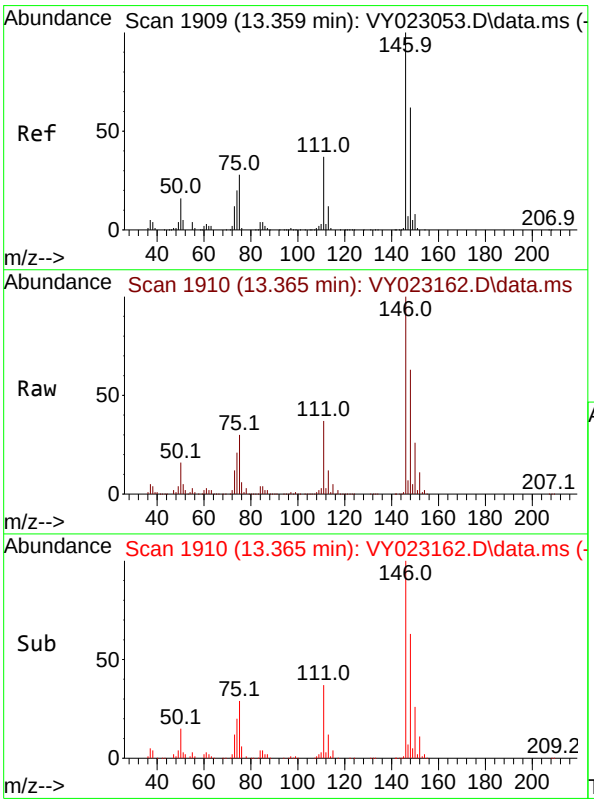
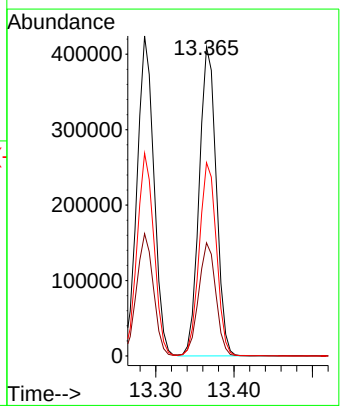
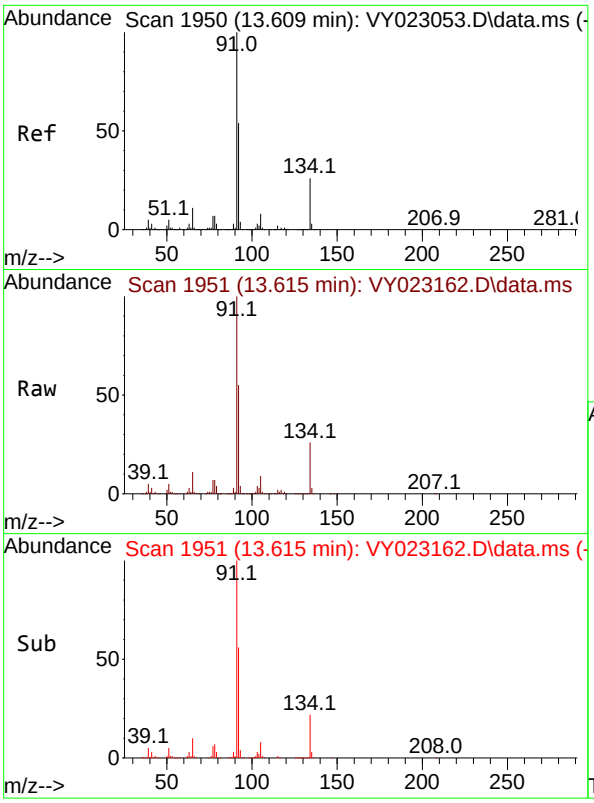


#88
1,4-Dichlorobenzene
Concen: 54.132 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:146 Resp: 619608

Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	63.3	31.6	94.7

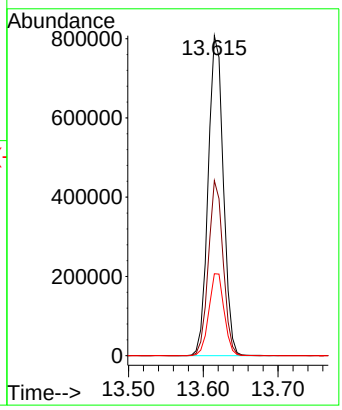




#89
n-Butylbenzene
Concen: 56.614 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 91 Resp: 113503

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	25.9	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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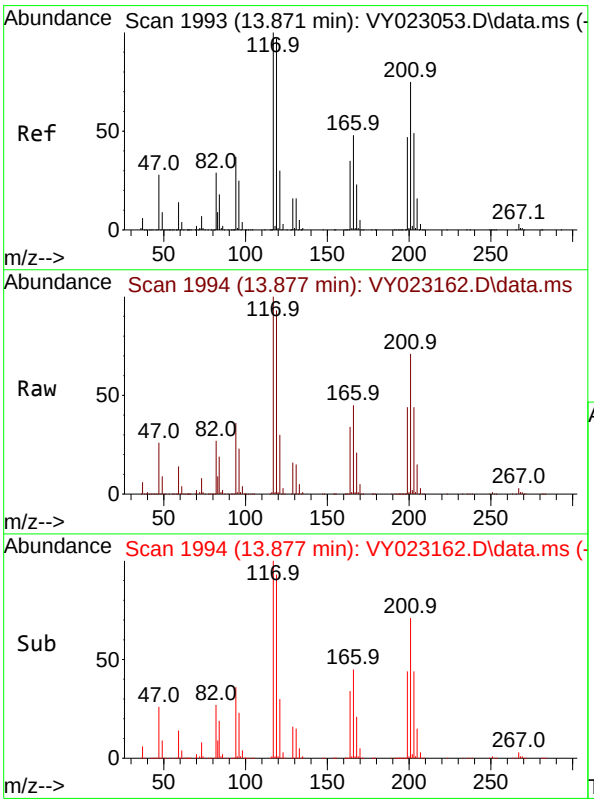
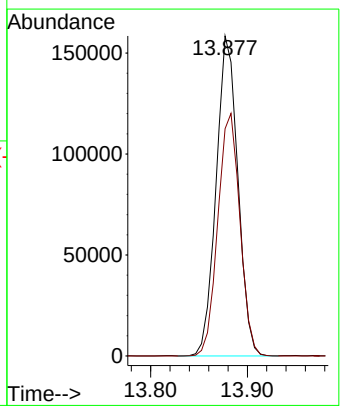
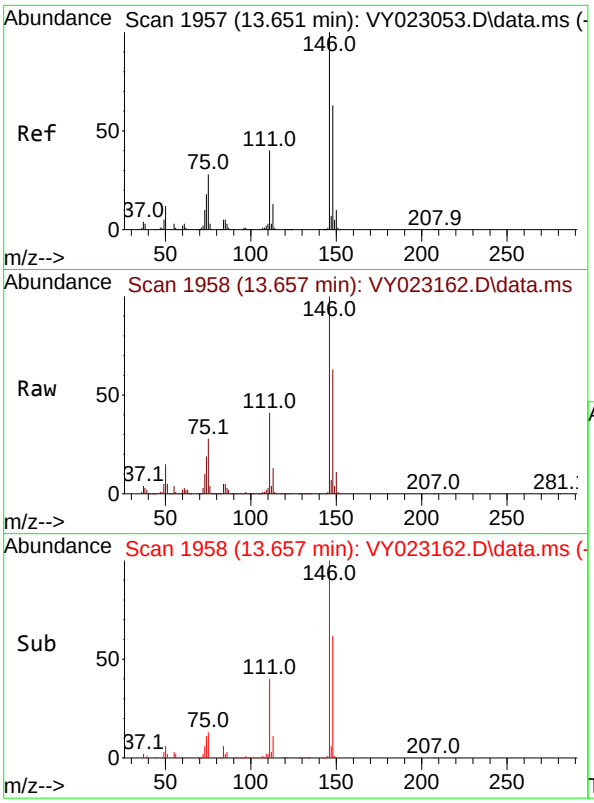


#90
Hexachloroethane
Concen: 55.353 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:117 Resp: 247354

Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.4	115.1

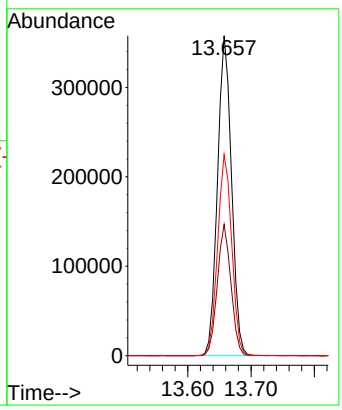




#91
1,2-Dichlorobenzene
Concen: 54.191 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:146 Resp: 54837

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	63.2	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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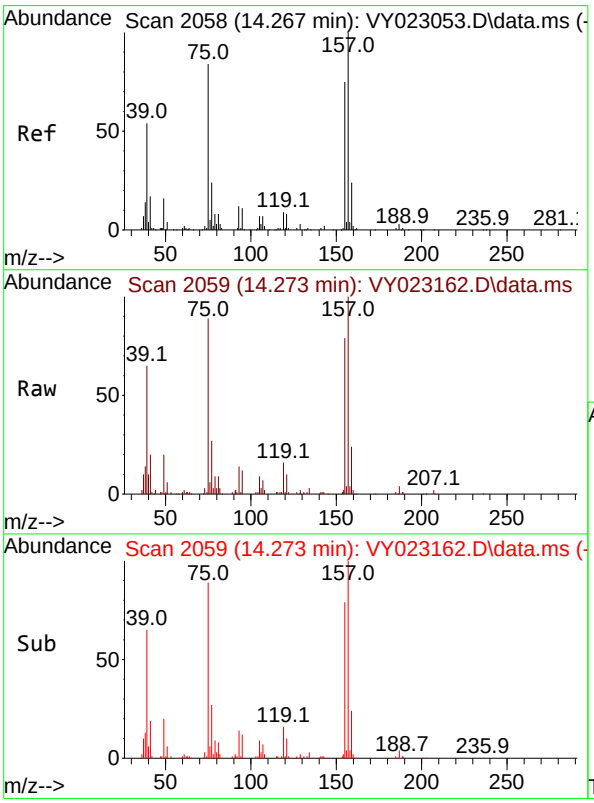
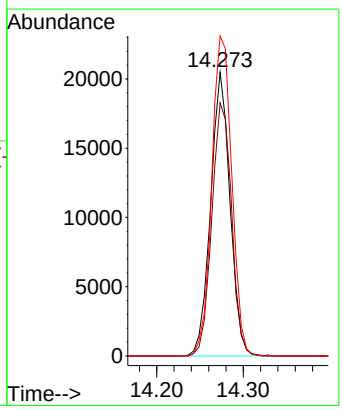
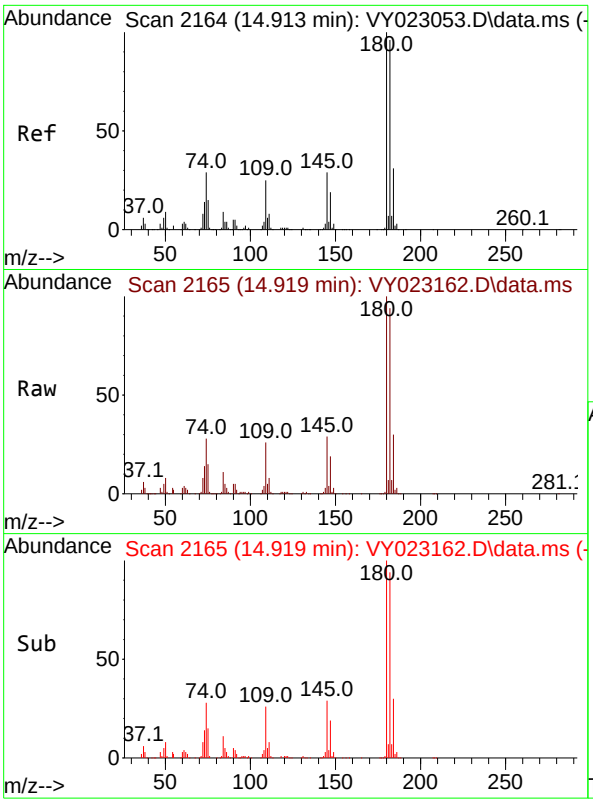


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.834 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion: 75 Resp: 31841

Ion	Ratio	Lower	Upper
75	100		
155	90.3	43.9	131.6
157	116.4	57.2	171.6

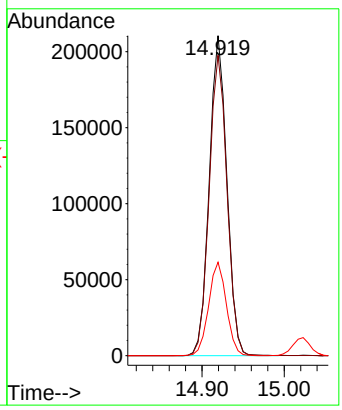




#93
1,2,4-Trichlorobenzene
Concen: 52.202 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:180 Resp: 31238

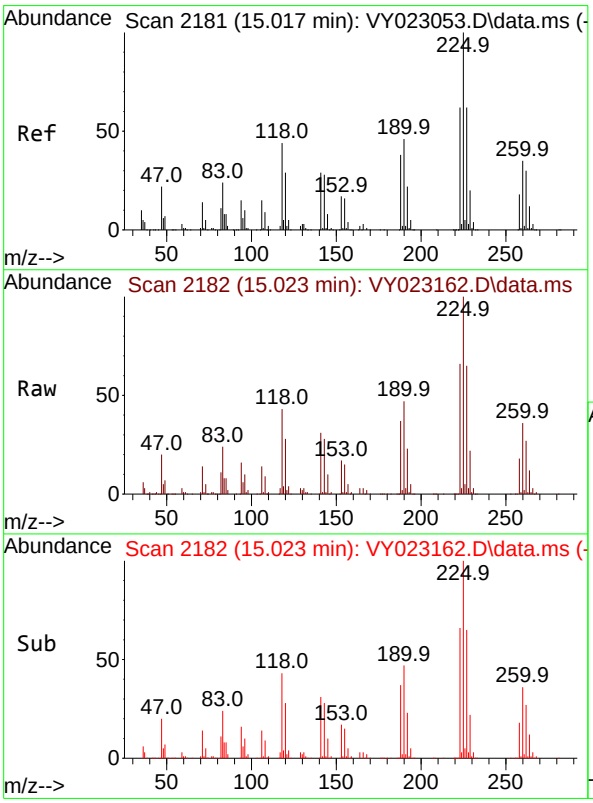
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.4
145	29.5	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

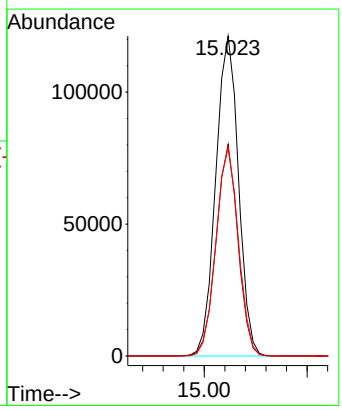
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

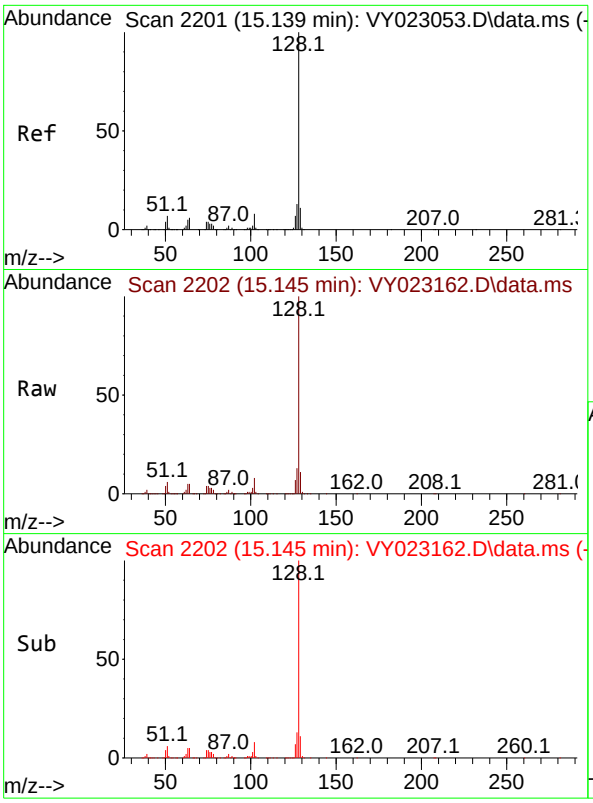


#94
Hexachlorobutadiene
Concen: 52.847 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:225 Resp: 185835

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.3	93.8
227	64.2	31.5	94.5

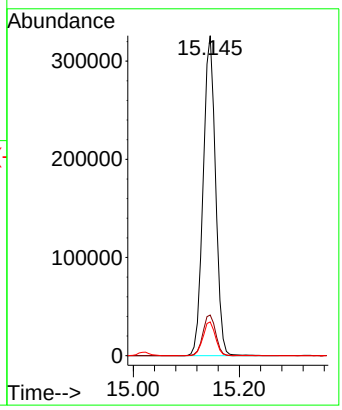




#95
Naphthalene
Concen: 51.592 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:128 Resp: 52645

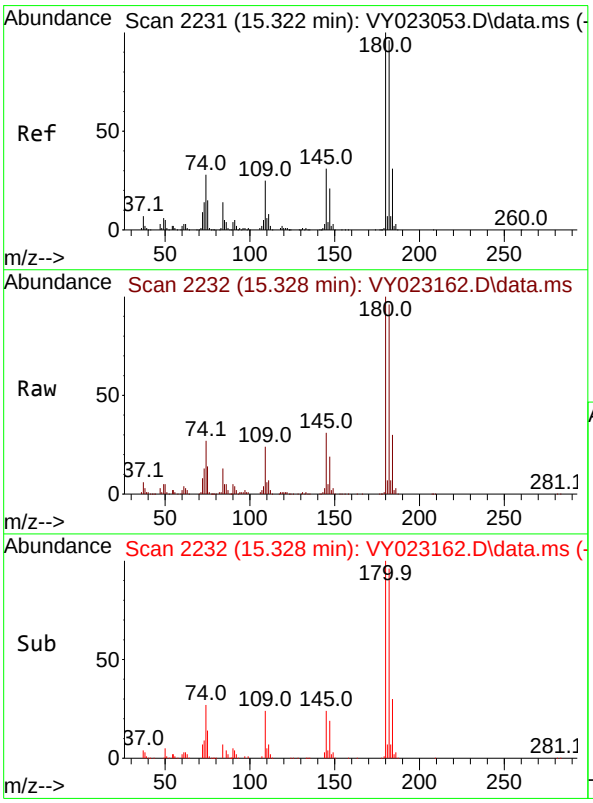
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

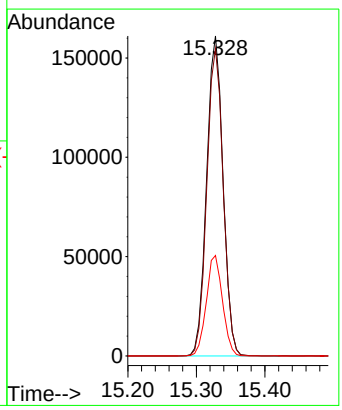
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.017 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023162.D
Acq: 20 Aug 2025 09:26

Tgt Ion:180 Resp: 268232

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	31.0	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
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: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	92	0.00
2	T	Dichlorodifluoromethane	0.408	0.365	10.5	96	0.00
3	P	Chloromethane	0.661	0.648	2.0	98	0.00
4	C	Vinyl Chloride	0.817	0.854	-4.5#	102	0.00
5	T	Bromomethane	0.610	0.654	-7.2	111	0.00
6	T	Chloroethane	0.543	0.582	-7.2	104	0.00
7	T	Trichlorofluoromethane	0.994	1.017	-2.3	100	0.00
8	T	Diethyl Ether	0.263	0.253	3.8	92	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.513	-4.7	102	0.00
10	T	Methyl Iodide	0.529	0.596	-12.7	99	0.01
11	T	Tert butyl alcohol	0.033	0.028	15.2	81	0.00
12	CM	1,1-Dichloroethene	0.482	0.499	-3.5#	99	0.00
13	T	Acrolein	0.048	0.020	58.3#	41#	0.00
14	T	Allyl chloride	0.709	0.689	2.8	92	0.00
15	T	Acrylonitrile	0.107	0.104	2.8	90	0.00
16	T	Acetone	0.103	0.115	-11.7	102	0.00
17	T	Carbon Disulfide	1.571	1.568	0.2	96	0.01
18	T	Methyl Acetate	0.307	0.292	4.9	83	0.00
19	T	Methyl tert-butyl Ether	1.249	1.223	2.1	91	0.01
20	T	Methylene Chloride	0.620	0.536	13.5	96	0.01
21	T	trans-1,2-Dichloroethene	0.541	0.572	-5.7	100	0.01
22	T	Diisopropyl ether	1.541	1.543	-0.1	94	0.00
23	T	Vinyl Acetate	0.852	0.850	0.2	93	0.00
24	P	1,1-Dichloroethane	0.942	0.968	-2.8	97	0.00
25	T	2-Butanone	0.140	0.141	-0.7	91	0.01
26	T	2,2-Dichloropropane	0.813	0.867	-6.6	101	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.653	-4.3	99	0.00
28	T	Bromochloromethane	0.374	0.361	3.5	91	0.00
29	T	Tetrahydrofuran	0.087	0.084	3.4	88	0.00
30	C	Chloroform	0.971	1.015	-4.5#	99	0.00
31	T	Cyclohexane	0.888	0.865	2.6	97	0.00
32	T	1,1,1-Trichloroethane	0.862	0.910	-5.6	100	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.439	8.0	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.299	0.301	-0.7	90	0.00
36	T	1,1-Dichloropropene	0.445	0.486	-9.2	99	0.00
37	T	Ethyl Acetate	0.187	0.191	-2.1	90	0.00
38	T	Carbon Tetrachloride	0.483	0.539	-11.6	102	0.00
39	T	Methylcyclohexane	0.586	0.640	-9.2	99	0.00
40	TM	Benzene	1.370	1.495	-9.1	99	0.00
41	T	Methacrylonitrile	0.108	0.112	-3.7	90	0.00
42	TM	1,2-Dichloroethane	0.356	0.375	-5.3	95	0.00
43	T	Isopropyl Acetate	0.378	0.377	0.3	89	0.00
44	TM	Trichloroethene	0.354	0.397	-12.1	102	0.00
45	C	1,2-Dichloropropane	0.315	0.335	-6.3#	96	0.00
46	T	Dibromomethane	0.181	0.196	-8.3	97	0.00
47	T	Bromodichloromethane	0.466	0.509	-9.2	97	0.00
48	T	Methyl methacrylate	0.181	0.185	-2.2	87	0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
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: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	88	0.00
50	S	Toluene-d8	1.169	1.163	0.5	90	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.200	-2.6	88	0.00
52	CM	Toluene	0.870	0.977	-12.3#	100	0.00
53	T	t-1,3-Dichloropropene	0.422	0.452	-7.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.537	-7.6	95	0.00
55	T	1,1,2-Trichloroethane	0.242	0.262	-8.3	97	0.00
56	T	Ethyl methacrylate	0.310	0.325	-4.8	89	0.00
57	T	1,3-Dichloropropane	0.411	0.435	-5.8	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.148	-1.4	84	0.00
59	T	2-Hexanone	0.133	0.143	-7.5	93	0.00
60	T	Dibromochloromethane	0.320	0.350	-9.4	97	0.00
61	T	1,2-Dibromoethane	0.228	0.245	-7.5	95	0.00
62	S	4-Bromofluorobenzene	0.376	0.371	1.3	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.446	0.528	-18.4	108	0.00
65	PM	Chlorobenzene	1.079	1.190	-10.3	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.404	-10.4	99	0.00
67	C	Ethyl Benzene	1.856	2.068	-11.4#	99	0.00
68	T	m/p-Xylenes	0.725	0.826	-13.9	102	0.00
69	T	o-Xylene	0.679	0.765	-12.7	99	0.00
70	T	Styrene	1.110	1.283	-15.6	102	0.00
71	P	Bromoform	0.214	0.231	-7.9	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.529	3.873	-9.7	102	0.00
74	T	N-amyl acetate	0.748	0.739	1.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.574	4.8	90	0.00
76	T	1,2,3-Trichloropropane	0.483	0.478	1.0	82	0.00
77	T	Bromobenzene	0.842	0.894	-6.2	99	0.00
78	T	n-propylbenzene	4.201	4.630	-10.2	101	0.00
79	T	2-Chlorotoluene	2.407	2.588	-7.5	100	0.00
80	T	1,3,5-Trimethylbenzene	2.852	3.166	-11.0	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.203	-2.0	94	0.00
82	T	4-Chlorotoluene	2.497	2.687	-7.6	100	0.01
83	T	tert-Butylbenzene	2.576	2.844	-10.4	101	0.00
84	T	1,2,4-Trimethylbenzene	2.839	3.128	-10.2	101	0.00
85	T	sec-Butylbenzene	3.784	4.225	-11.7	103	0.00
86	T	p-Isopropyltoluene	3.141	3.579	-13.9	104	0.00
87	T	1,3-Dichlorobenzene	1.660	1.828	-10.1	104	0.00
88	T	1,4-Dichlorobenzene	1.647	1.783	-8.3	102	0.00
89	T	n-Butylbenzene	2.885	3.266	-13.2	103	0.00
90	T	Hexachloroethane	0.643	0.712	-10.7	104	0.00
91	T	1,2-Dichlorobenzene	1.456	1.578	-8.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.092	2.1	89	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.899	-4.4	98	0.00
94	T	Hexachlorobutadiene	0.506	0.535	-5.7	100	0.00
95	T	Naphthalene	1.468	1.515	-3.2	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
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: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.772	-4.0	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
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: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	92	0.00
2	T	Dichlorodifluoromethane	50.000	44.752	10.5	96	0.00
3	P	Chloromethane	50.000	49.049	1.9	98	0.00
4	C	Vinyl Chloride	50.000	52.271	-4.5#	102	0.00
5	T	Bromomethane	50.000	53.558	-7.1	111	0.00
6	T	Chloroethane	50.000	53.594	-7.2	104	0.00
7	T	Trichlorofluoromethane	50.000	51.171	-2.3	100	0.00
8	T	Diethyl Ether	50.000	48.134	3.7	92	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.376	-4.8	102	0.00
10	T	Methyl Iodide	50.000	56.306	-12.6	99	0.01
11	T	Tert butyl alcohol	250.000	213.827	14.5	81	0.00
12	CM	1,1-Dichloroethene	50.000	51.758	-3.5#	99	0.00
13	T	Acrolein	250.000	106.054	57.6#	41	0.00
14	T	Allyl chloride	50.000	48.625	2.8	92	0.00
15	T	Acrylonitrile	250.000	243.666	2.5	90	0.00
16	T	Acetone	250.000	279.613	-11.8	102	0.00
17	T	Carbon Disulfide	50.000	49.914	0.2	96	0.01
18	T	Methyl Acetate	50.000	47.585	4.8	83	0.00
19	T	Methyl tert-butyl Ether	50.000	48.982	2.0	91	0.01
20	T	Methylene Chloride	50.000	49.996	0.0	96	0.01
21	T	trans-1,2-Dichloroethene	50.000	52.823	-5.6	100	0.01
22	T	Diisopropyl ether	50.000	50.087	-0.2	94	0.00
23	T	Vinyl Acetate	250.000	249.506	0.2	93	0.00
24	P	1,1-Dichloroethane	50.000	51.381	-2.8	97	0.00
25	T	2-Butanone	250.000	251.618	-0.6	91	0.01
26	T	2,2-Dichloropropane	50.000	53.345	-6.7	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.163	-4.3	99	0.00
28	T	Bromochloromethane	50.000	48.277	3.4	91	0.00
29	T	Tetrahydrofuran	250.000	240.643	3.7	88	0.00
30	C	Chloroform	50.000	52.249	-4.5#	99	0.00
31	T	Cyclohexane	50.000	48.716	2.6	97	0.00
32	T	1,1,1-Trichloroethane	50.000	52.762	-5.5	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.072	7.9	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	50.283	-0.6	90	0.00
36	T	1,1-Dichloropropene	50.000	54.676	-9.4	99	0.00
37	T	Ethyl Acetate	50.000	51.218	-2.4	90	0.00
38	T	Carbon Tetrachloride	50.000	55.813	-11.6	102	0.00
39	T	Methylcyclohexane	50.000	54.623	-9.2	99	0.00
40	TM	Benzene	50.000	54.539	-9.1	99	0.00
41	T	Methacrylonitrile	50.000	52.092	-4.2	90	0.00
42	TM	1,2-Dichloroethane	50.000	52.655	-5.3	95	0.00
43	T	Isopropyl Acetate	50.000	49.946	0.1	89	0.00
44	TM	Trichloroethene	50.000	56.055	-12.1	102	0.00
45	C	1,2-Dichloropropane	50.000	53.114	-6.2#	96	0.00
46	T	Dibromomethane	50.000	54.236	-8.5	97	0.00
47	T	Bromodichloromethane	50.000	54.618	-9.2	97	0.00
48	T	Methyl methacrylate	50.000	51.164	-2.3	87	0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
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: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	996.184	0.4	88	0.00
50	S	Toluene-d8	50.000	49.757	0.5	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.697	-2.7	88	0.00
52	CM	Toluene	50.000	56.116	-12.2#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	53.540	-7.1	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.872	-7.7	95	0.00
55	T	1,1,2-Trichloroethane	50.000	54.142	-8.3	97	0.00
56	T	Ethyl methacrylate	50.000	52.434	-4.9	89	0.00
57	T	1,3-Dichloropropane	50.000	52.905	-5.8	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	252.784	-1.1	84	0.00
59	T	2-Hexanone	250.000	270.352	-8.1	93	0.00
60	T	Dibromochloromethane	50.000	54.767	-9.5	97	0.00
61	T	1,2-Dibromoethane	50.000	53.748	-7.5	95	0.00
62	S	4-Bromofluorobenzene	50.000	49.355	1.3	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	59.168	-18.3	108	0.00
65	PM	Chlorobenzene	50.000	55.177	-10.4	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.136	-10.3	99	0.00
67	C	Ethyl Benzene	50.000	55.702	-11.4#	99	0.00
68	T	m/p-Xylenes	100.000	113.946	-13.9	102	0.00
69	T	o-Xylene	50.000	56.325	-12.7	99	0.00
70	T	Styrene	50.000	57.774	-15.5	102	0.00
71	P	Bromoform	50.000	54.068	-8.1	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	54.871	-9.7	102	0.00
74	T	N-amyl acetate	50.000	49.400	1.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.632	4.7	90	0.00
76	T	1,2,3-Trichloropropane	50.000	49.495	1.0	82	0.00
77	T	Bromobenzene	50.000	53.090	-6.2	99	0.00
78	T	n-propylbenzene	50.000	55.097	-10.2	101	0.00
79	T	2-Chlorotoluene	50.000	53.745	-7.5	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.500	-11.0	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.794	-1.6	94	0.00
82	T	4-Chlorotoluene	50.000	53.806	-7.6	100	0.01
83	T	tert-Butylbenzene	50.000	55.202	-10.4	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.087	-10.2	101	0.00
85	T	sec-Butylbenzene	50.000	55.832	-11.7	103	0.00
86	T	p-Isopropyltoluene	50.000	56.975	-14.0	104	0.00
87	T	1,3-Dichlorobenzene	50.000	55.055	-10.1	104	0.00
88	T	1,4-Dichlorobenzene	50.000	54.132	-8.3	102	0.00
89	T	n-Butylbenzene	50.000	56.614	-13.2	103	0.00
90	T	Hexachloroethane	50.000	55.353	-10.7	104	0.00
91	T	1,2-Dichlorobenzene	50.000	54.191	-8.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.834	2.3	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.202	-4.4	98	0.00
94	T	Hexachlorobutadiene	50.000	52.847	-5.7	100	0.00
95	T	Naphthalene	50.000	51.592	-3.2	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023162.D
Acq On : 20 Aug 2025 09:26
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: Aug 20 10:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.017	-4.0	99	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: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2879
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/20/2025 17:41
Lab File ID: VY023181.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.326		-20.1	50
Chloromethane	0.661	0.605	0.1	-8.47	50
Vinyl Chloride	0.817	0.783		-4.16	50
Bromomethane	0.610	0.612		0.33	50
Chloroethane	0.543	0.549		1.11	50
Tetrahydrofuran	0.087	0.083		-4.6	50
Trichlorofluoromethane	0.994	0.912		-8.25	50
1,1,2-Trichlorotrifluoroethane	0.490	0.458		-6.53	50
1,1-Dichloroethene	0.482	0.449		-6.85	50
Acrylonitrile	0.107	0.104		-2.8	50
Acetone	0.103	0.082		-20.39	50
Carbon Disulfide	1.571	1.408		-10.38	50
Methyl tert-butyl Ether	1.249	1.182		-5.36	50
Methylene Chloride	0.620	0.517		-16.61	50
trans-1,2-Dichloroethene	0.541	0.518		-4.25	50
1,1-Dichloroethane	0.942	0.901	0.1	-4.35	50
2-Butanone	0.140	0.126		-10	50
Carbon Tetrachloride	0.483	0.466		-3.52	50
2,2-Dichloropropane	0.813	0.721		-11.32	50
cis-1,2-Dichloroethene	0.626	0.607		-3.04	50
Chloroform	0.971	0.960		-1.13	50
1,1,1-Trichloroethane	0.862	0.837		-2.9	50
1,1-Dichloropropene	0.445	0.424		-4.72	50
Benzene	1.370	1.355		-1.1	50
1,2-Dichloroethane	0.356	0.348		-2.25	50
Trichloroethene	0.354	0.357		0.85	50
1,2-Dichloropropane	0.315	0.313		-0.63	50
Dibromomethane	0.181	0.185		2.21	50
Bromodichloromethane	0.466	0.470		0.86	50
4-Methyl-2-Pentanone	0.195	0.194		-0.51	50
Toluene	0.870	0.868		-0.23	50
t-1,3-Dichloropropene	0.422	0.407		-3.56	50
cis-1,3-Dichloropropene	0.499	0.488		-2.2	50
1,1,2-Trichloroethane	0.242	0.246		1.65	50
1,3-Dichloropropane	0.411	0.411		0	50
2-Hexanone	0.133	0.128		-3.76	50
Dibromochloromethane	0.320	0.326		1.88	50
1,2-Dibromoethane	0.228	0.230		0.88	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:	Alliance	Contract:	NOBI03
Lab Code:	ACE	SDG No.:	Q2879
Instrument ID:	MSVOA_Y	Calibration Date/Time:	08/20/2025 17:41
Lab File ID:	VY023181.D	Init. Calib. Date(s):	08/12/2025 08/12/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	14:54 16:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.446	0.480		7.62	50
Chlorobenzene	1.079	1.059	0.3	-1.85	50
1,1,1,2-Tetrachloroethane	0.366	0.366		0	50
Ethyl Benzene	1.856	1.818		-2.05	50
m/p-Xylenes	0.725	0.723		-0.28	50
o-Xylene	0.679	0.679		0	50
Styrene	1.110	1.159		4.41	50
Bromoform	0.214	0.217	0.1	1.4	50
Isopropylbenzene	3.529	3.374		-4.39	50
1,1,2,2-Tetrachloroethane	0.603	0.544	0.3	-9.78	50
1,2,3-Trichloropropane	0.483	0.474		-1.86	50
Bromobenzene	0.842	0.810		-3.8	50
n-propylbenzene	4.201	4.050		-3.59	50
2-Chlorotoluene	2.407	2.298		-4.53	50
1,3,5-Trimethylbenzene	2.852	2.738		-4	50
4-Chlorotoluene	2.497	2.377		-4.81	50
tert-Butylbenzene	2.576	2.478		-3.8	50
1,2,4-Trimethylbenzene	2.839	2.760		-2.78	50
sec-Butylbenzene	3.784	3.644		-3.7	50
p-Isopropyltoluene	3.141	3.066		-2.39	50
1,3-Dichlorobenzene	1.660	1.616		-2.65	50
1,4-Dichlorobenzene	1.647	1.580		-4.07	50
n-Butylbenzene	2.885	2.761		-4.3	50
1,2-Dichlorobenzene	1.456	1.416		-2.75	50
1,2-Dibromo-3-Chloropropane	0.094	0.087		-7.45	50
1,2,4-Trichlorobenzene	0.861	0.771		-10.45	50
Hexachlorobutadiene	0.506	0.457		-9.68	50
1,2,3-Trichlorobenzene	0.742	0.678		-8.63	50
1,2-Dichloroethane-d4	0.477	0.467		-2.1	50
Dibromofluoromethane	0.299	0.302		1	50
Toluene-d8	1.169	1.180		0.94	50
4-Bromofluorobenzene	0.376	0.374		-0.53	50
trans-1,4-Dichloro-2-butene	0.199	0.176		-11.56	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\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	431711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	681100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	612955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	314994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201806	49.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.100%			
35) Dibromofluoromethane	7.634	113	205442	50.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.103	98	803956	50.496	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.000%			
62) 4-Bromofluorobenzene	12.401	95	254520	49.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	140877	39.978	ug/l	97
3) Chloromethane	2.068	50	261276	45.777	ug/l	100
4) Vinyl Chloride	2.202	62	338048	47.914	ug/l	98
5) Bromomethane	2.592	94	264319	50.164	ug/l	99
6) Chloroethane	2.732	64	236880	50.501	ug/l	98
7) Trichlorofluoromethane	3.049	101	393907	45.916	ug/l	99
8) Diethyl Ether	3.452	74	103960	45.804	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	197614	46.691	ug/l	99
10) Methyl Iodide	4.001	142	225990	49.483	ug/l	99
11) Tert butyl alcohol	4.854	59	62649	222.221	ug/l	100
12) 1,1-Dichloroethene	3.787	96	193943	46.619	ug/l	94
13) Acrolein	3.647	56	44701	108.267	ug/l	99
14) Allyl chloride	4.378	41	270128	44.128	ug/l	98
15) Acrylonitrile	5.055	53	223687	242.415	ug/l	100
16) Acetone	3.866	43	177721	199.376	ug/l	99
17) Carbon Disulfide	4.104	76	607851	44.811	ug/l	99
18) Methyl Acetate	4.385	43	130298	49.121	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	510091	47.317	ug/l	99
20) Methylene Chloride	4.616	84	223113	48.063	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	223660	47.840	ug/l	96
22) Diisopropyl ether	6.018	45	627852	47.200	ug/l	97
23) Vinyl Acetate	5.957	43	1719391	233.764	ug/l	99
24) 1,1-Dichloroethane	5.909	63	388982	47.830	ug/l	99
25) 2-Butanone	6.890	43	272663	224.910	ug/l	97
26) 2,2-Dichloropropane	6.884	77	311074	44.329	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	262081	48.491	ug/l	97
28) Bromochloromethane	7.244	49	163067	50.540	ug/l	97
29) Tetrahydrofuran	7.262	42	179182	238.443	ug/l	98
30) Chloroform	7.421	83	414476	49.417	ug/l	94
31) Cyclohexane	7.701	56	324389	42.328	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	361459	48.569	ug/l	99
36) 1,1-Dichloropropene	7.835	75	288831	47.687	ug/l	98
37) Ethyl Acetate	6.982	43	123240	48.438	ug/l	99
38) Carbon Tetrachloride	7.817	117	317448	48.256	ug/l	99
39) Methylcyclohexane	9.109	83	370443	46.445	ug/l	98
40) Benzene	8.079	78	922826	49.434	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	62713	42.710	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	237320	48.880	ug/l		99
43) Isopropyl Acetate	8.195	43	243485	47.349	ug/l		97
44) Trichloroethene	8.866	130	243042	50.380	ug/l		97
45) 1,2-Dichloropropane	9.140	63	213263	49.651	ug/l		98
46) Dibromomethane	9.231	93	125873	51.057	ug/l		100
47) Bromodichloromethane	9.420	83	319939	50.434	ug/l		98
48) Methyl methacrylate	9.219	41	117938	47.928	ug/l		95
49) 1,4-Dioxane	9.231	88	29639	1025.325	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	660107	248.855	ug/l		99
52) Toluene	10.170	92	591391	49.880	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	277440	48.297	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	332155	48.898	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	167667	50.825	ug/l		96
56) Ethyl methacrylate	10.438	69	214252	50.756	ug/l		98
57) 1,3-Dichloropropane	10.719	76	280045	50.056	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	553935	278.196	ug/l		99
59) 2-Hexanone	10.762	43	434814	240.731	ug/l		99
60) Dibromochloromethane	10.908	129	221938	50.987	ug/l		100
61) 1,2-Dibromoethane	11.011	107	156537	50.486	ug/l		98
64) Tetrachloroethene	10.646	164	294304	53.771	ug/l		97
65) Chlorobenzene	11.438	112	649300	49.109	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	224242	49.973	ug/l		98
67) Ethyl Benzene	11.517	91	1114480	48.982	ug/l		98
68) m/p-Xylenes	11.627	106	886344	99.741	ug/l		97
69) o-Xylene	11.950	106	416104	49.995	ug/l		100
70) Styrene	11.969	104	710534	52.202	ug/l		97
71) Bromoform	12.127	173	133042	50.729	ug/l	#	99
73) Isopropylbenzene	12.249	105	1062843	47.807	ug/l		100
74) N-amyl acetate	12.066	43	214847	45.570	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	171339	45.136	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	149402m	49.145	ug/l		
77) Bromobenzene	12.529	156	255129	48.103	ug/l		97
78) n-propylbenzene	12.590	91	1275610	48.193	ug/l		99
79) 2-Chlorotoluene	12.676	91	723999	47.740	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	862323	47.993	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	55521	44.210	ug/l		98
82) 4-Chlorotoluene	12.773	91	748821	47.598	ug/l		98
83) tert-Butylbenzene	12.993	119	780594	48.102	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	869337	48.604	ug/l		99
85) sec-Butylbenzene	13.170	105	1147774	48.148	ug/l		100
86) p-Isopropyltoluene	13.285	119	965816	48.810	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	508936	48.659	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	497592	47.958	ug/l		100
89) n-Butylbenzene	13.615	91	869741	47.858	ug/l		99
90) Hexachloroethane	13.877	117	197634	48.791	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	445962	48.617	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27394	46.349	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	242796	44.759	ug/l		98
94) Hexachlorobutadiene	15.017	225	143992	45.173	ug/l		99
95) Naphthalene	15.139	128	429158	46.397	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	213464	45.668	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

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

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

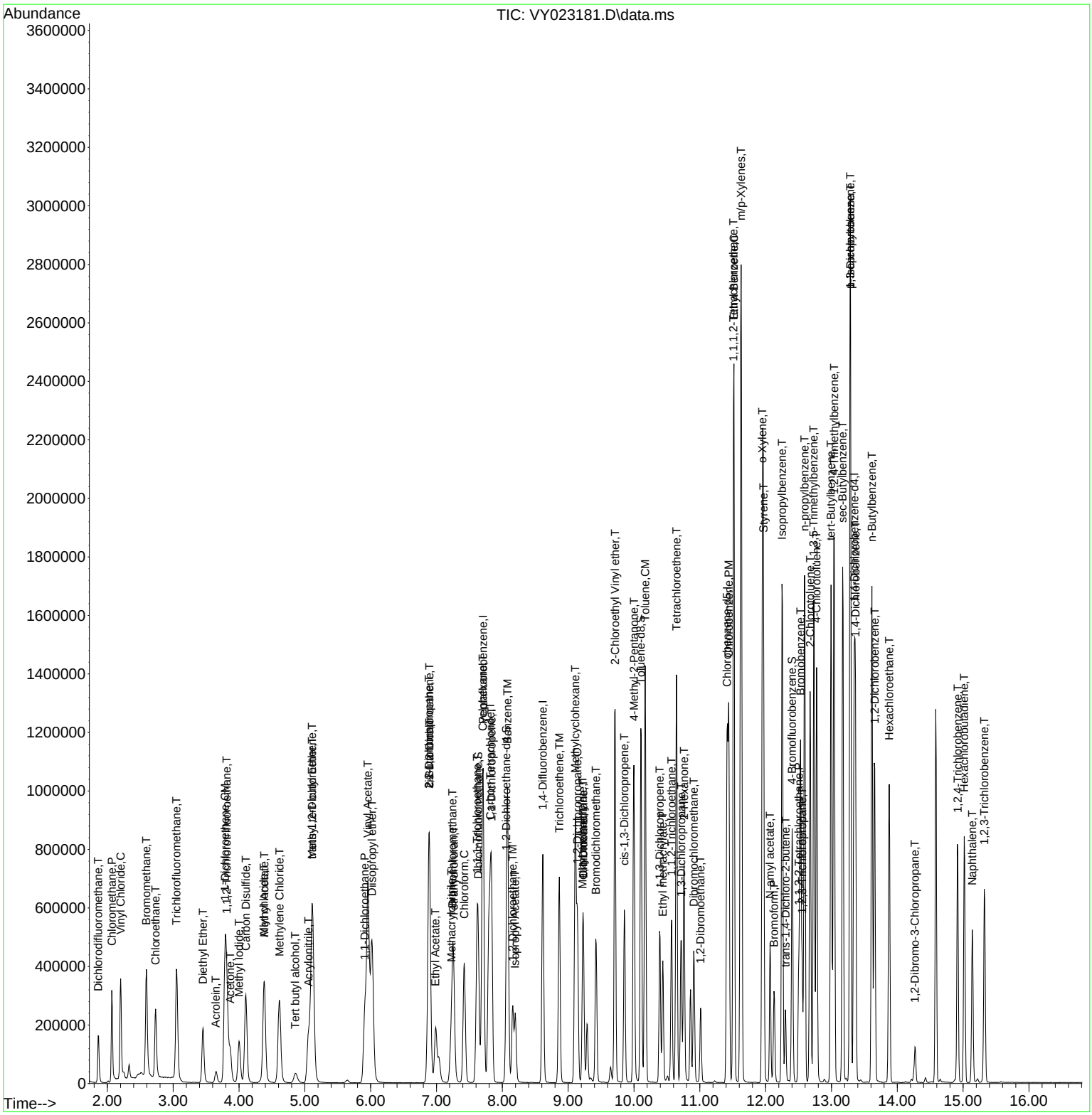
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

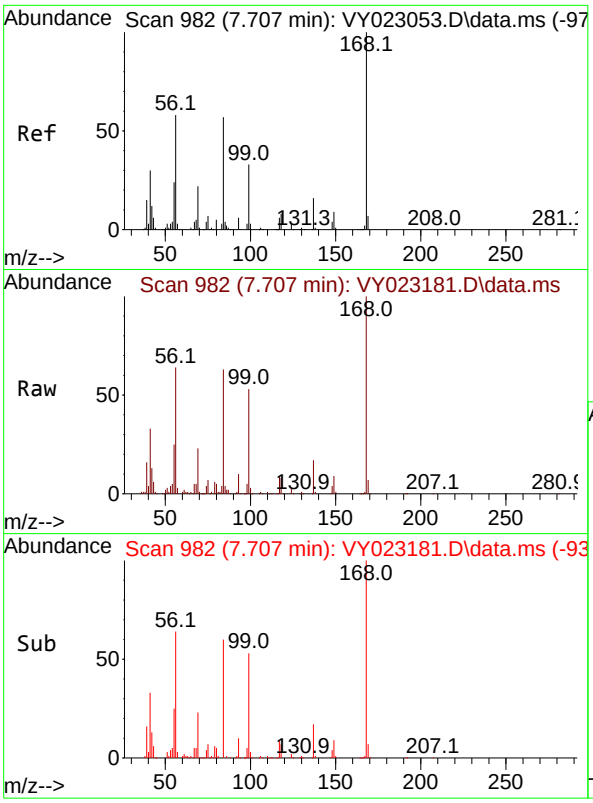
Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

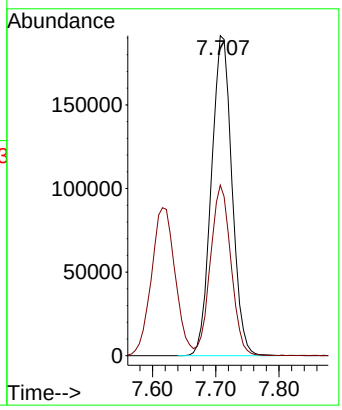




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:168 Resp: 43171

Ion	Ratio	Lower	Upper
168	100		
99	53.2	42.8	64.2



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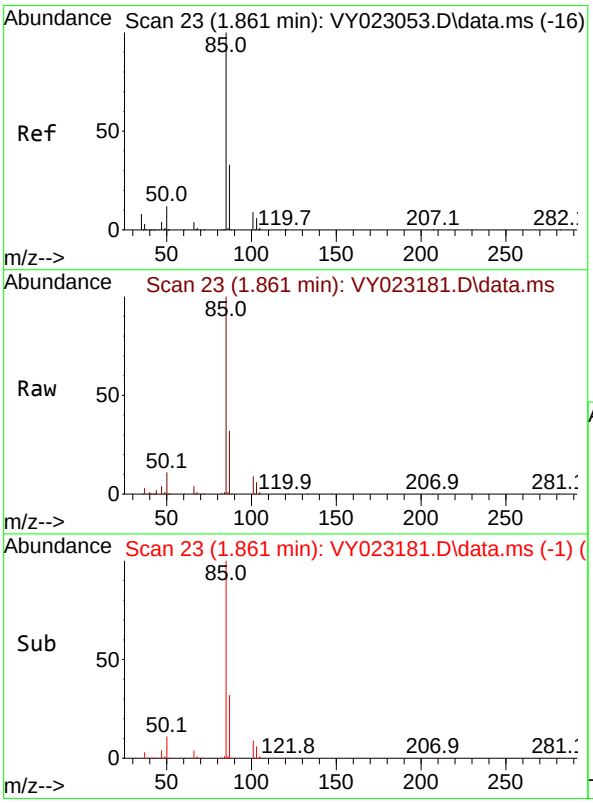
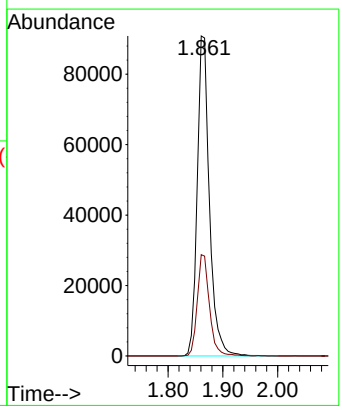
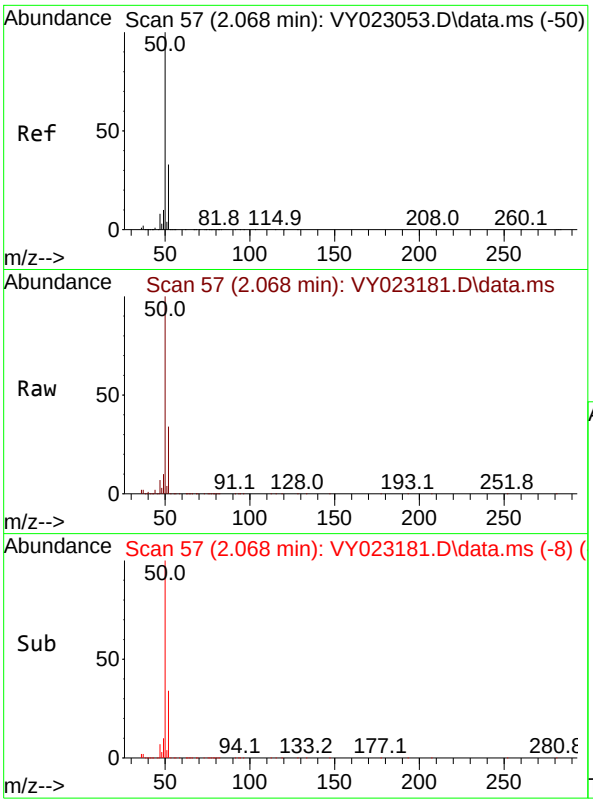


#2
Dichlorodifluoromethane
Concen: 39.978 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 85 Resp: 140877

Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.6	49.8

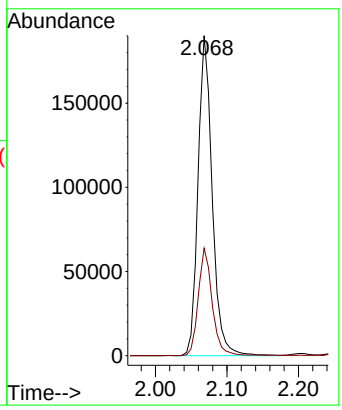




#3
Chloromethane
Concen: 45.777 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 50 Resp: 26127

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.7	40.1



Instrument :
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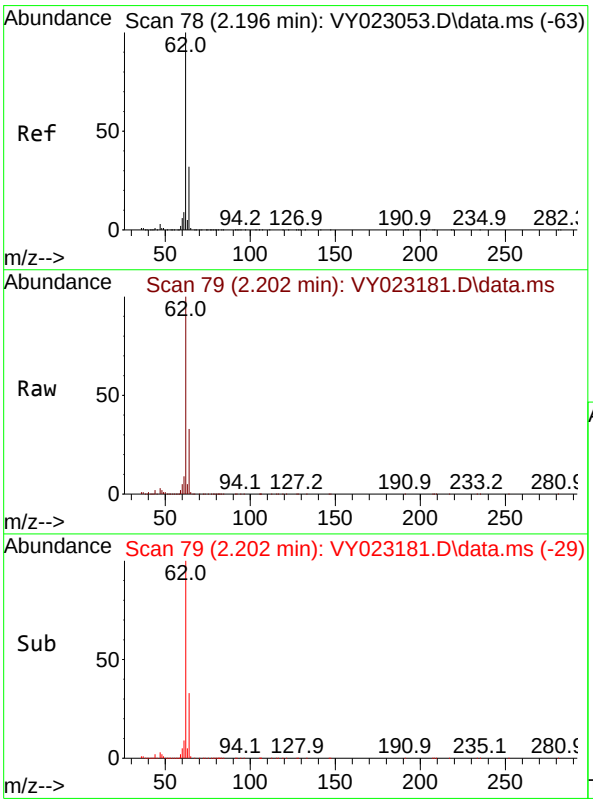
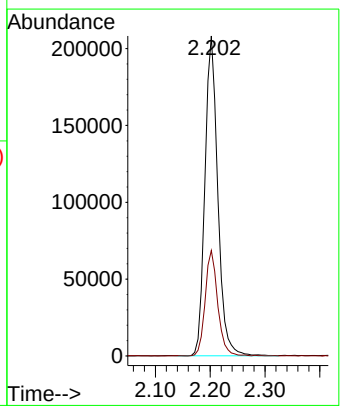
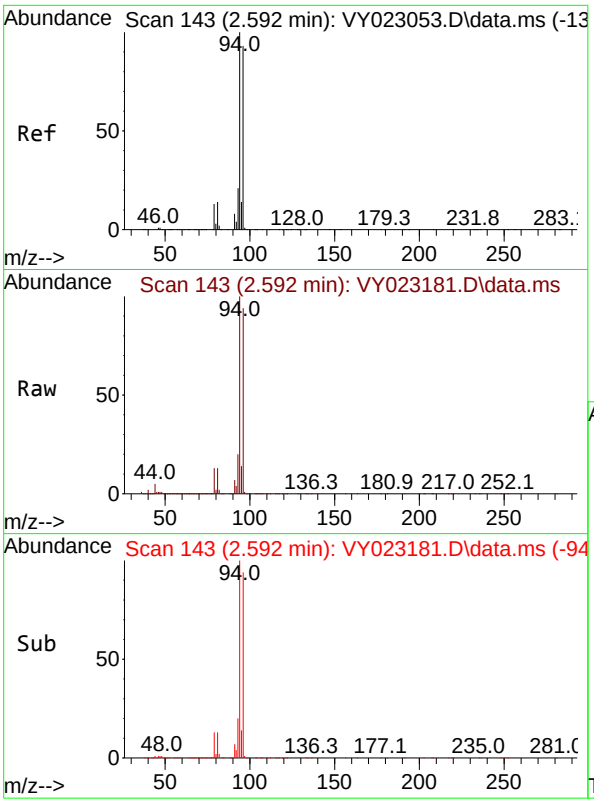


#4
Vinyl Chloride
Concen: 47.914 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 62 Resp: 338048

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.4	38.0

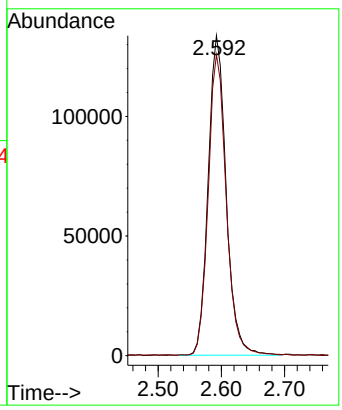




#5
Bromomethane
Concen: 50.164 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 94 Resp: 26431

Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
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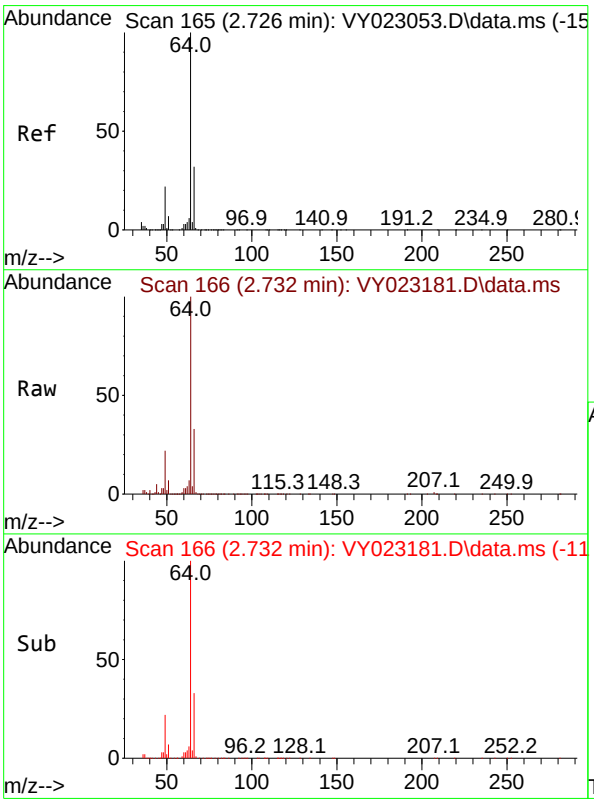
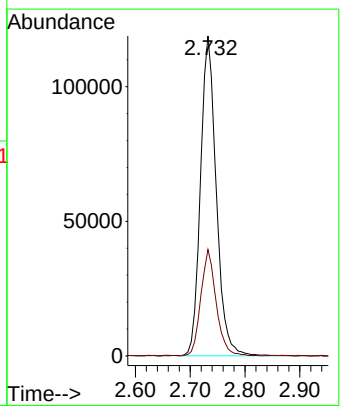
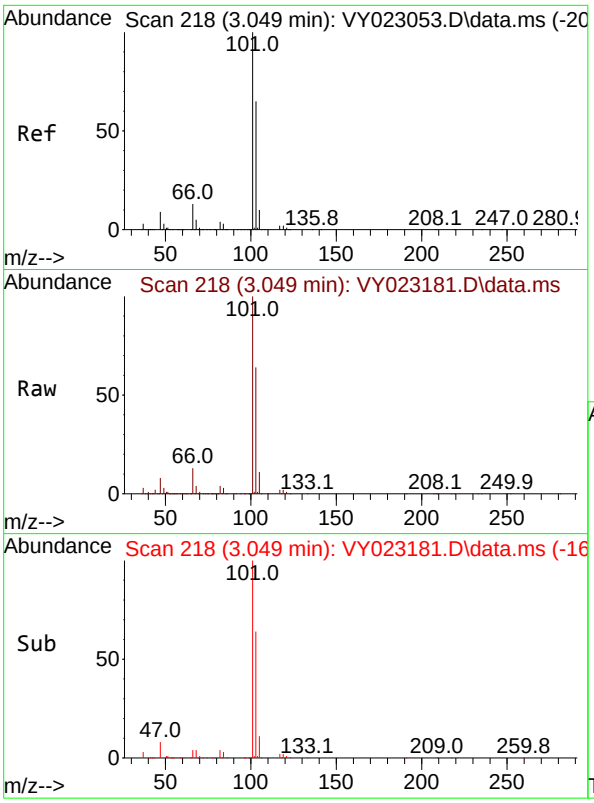


#6
Chloroethane
Concen: 50.501 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 64 Resp: 236880

Ion	Ratio	Lower	Upper
64	100		
66	33.1	25.8	38.6

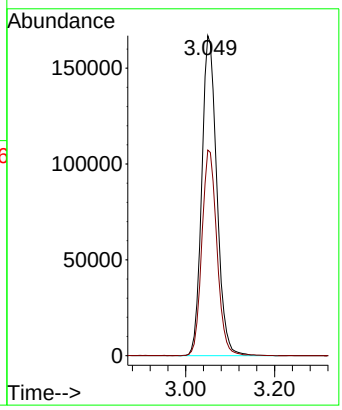




#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:101 Resp: 39390

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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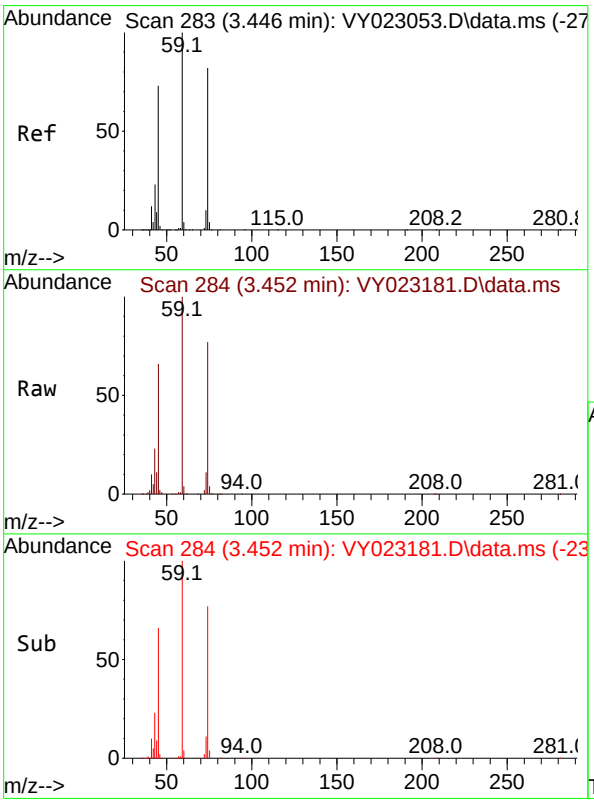
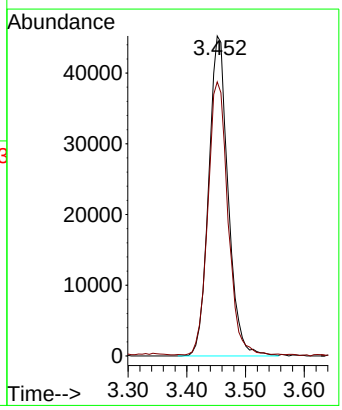
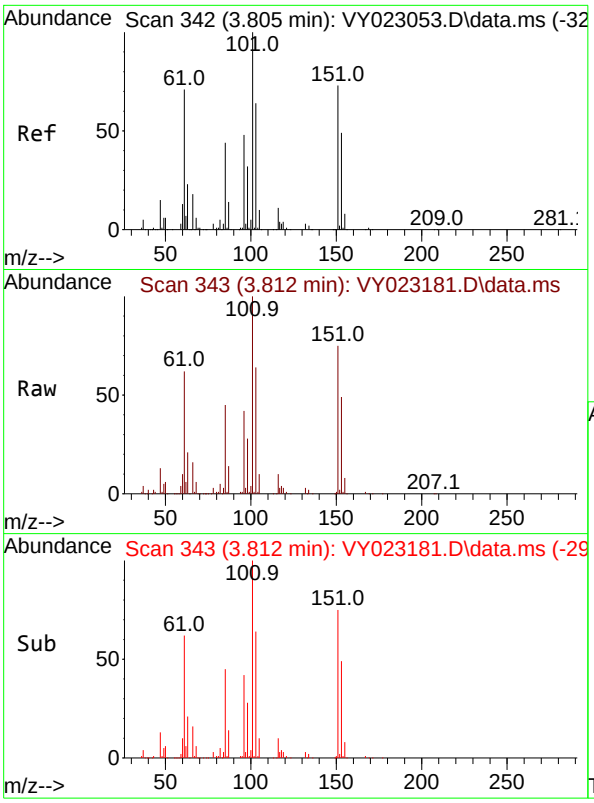


#8
Diethyl Ether
Concen: 45.804 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 74 Resp: 103960

Ion	Ratio	Lower	Upper
74	100		
45	88.0	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.691 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:101 Resp: 19761

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	77.6	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
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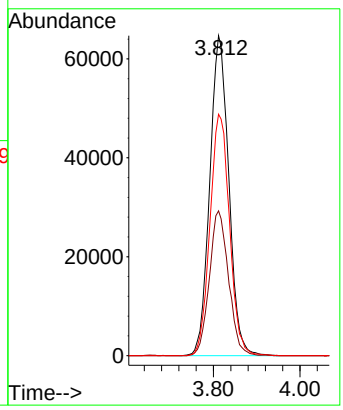
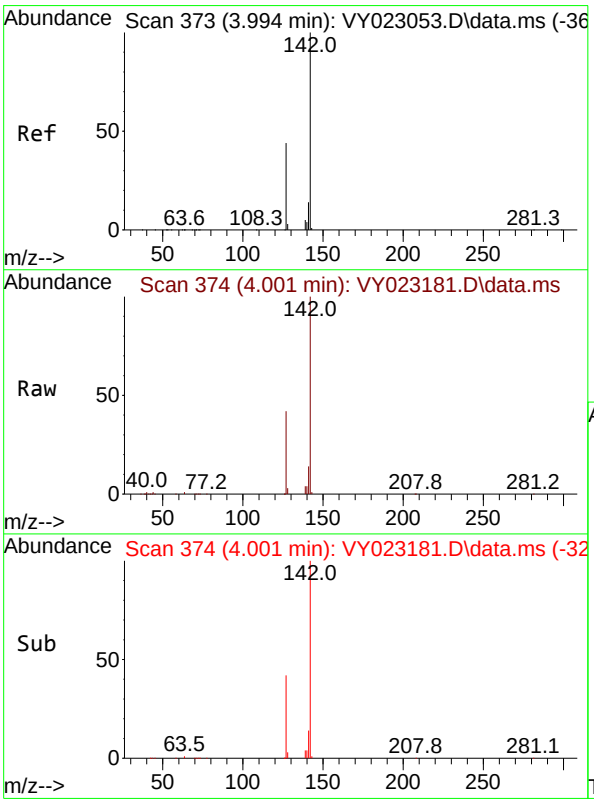
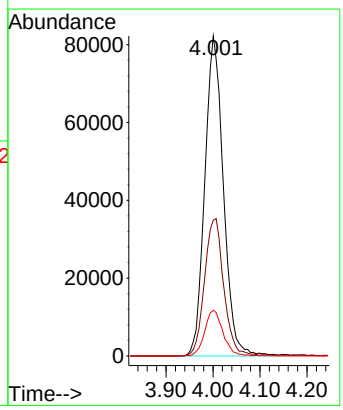


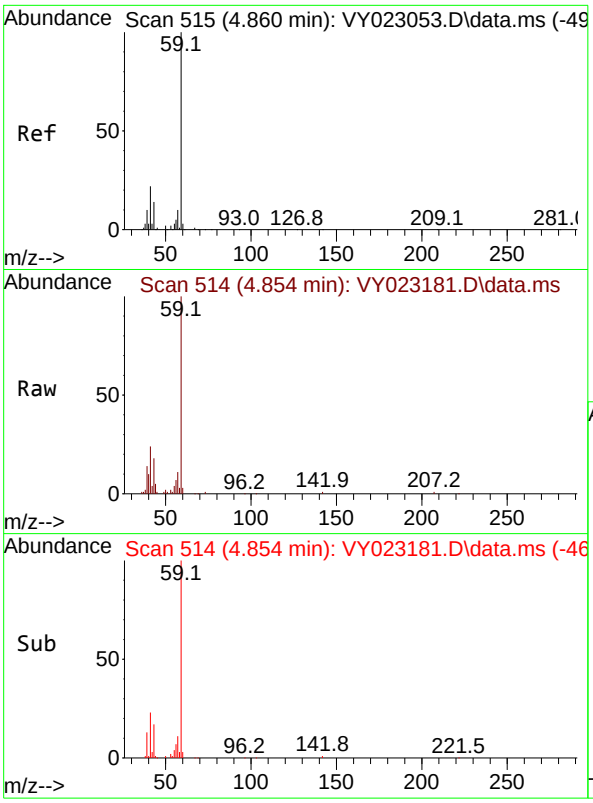


#10
Methyl Iodide
Concen: 49.483 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:142 Resp: 225990

Ion	Ratio	Lower	Upper
142	100		
127	44.2	34.9	52.3
141	14.1	11.3	16.9

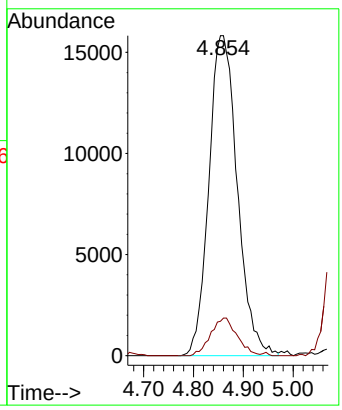




#11
Tert butyl alcohol
Concen: 222.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 59 Resp: 6264

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	13.0



Instrument :
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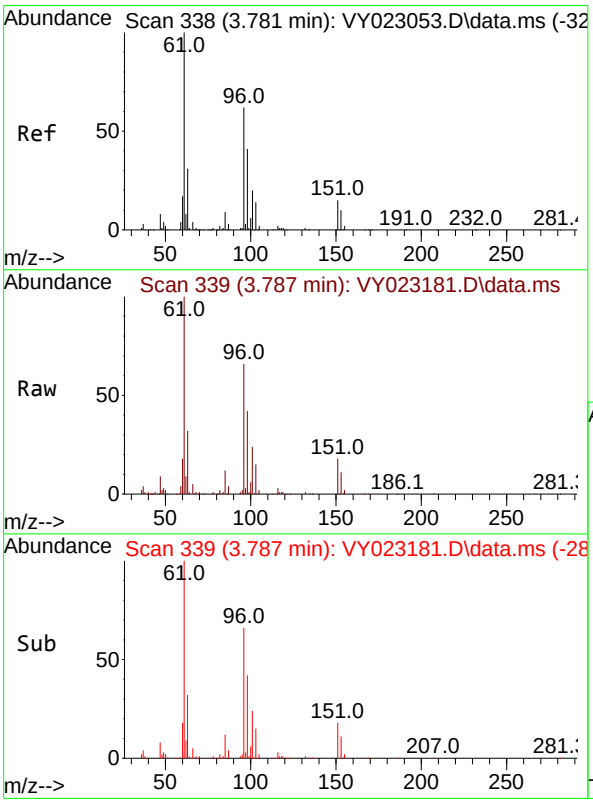
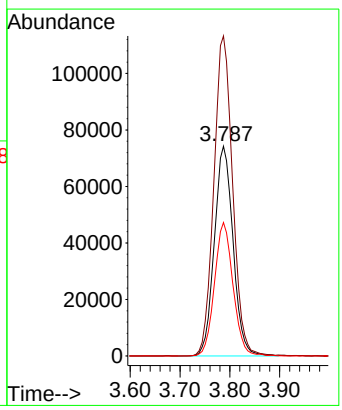
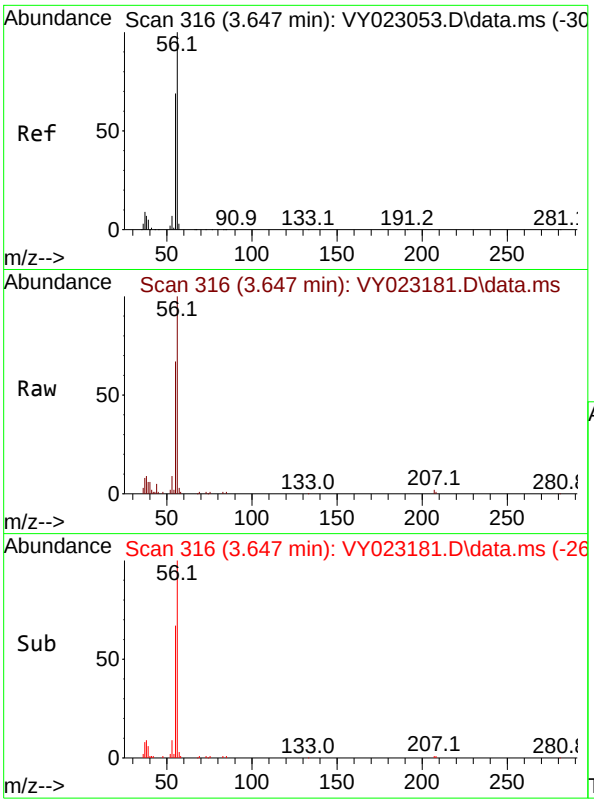


#12
1,1-Dichloroethene
Concen: 46.619 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 96 Resp: 193943

Ion	Ratio	Lower	Upper
96	100		
61	152.6	129.4	194.2
98	63.7	52.8	79.2

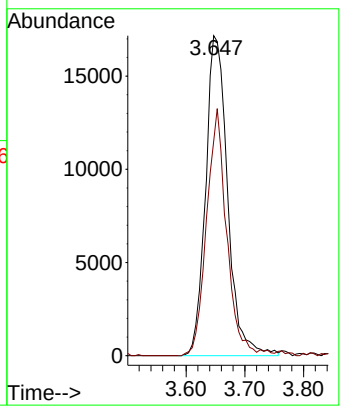




#13
Acrolein
Concen: 108.267 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 56 Resp: 4470

Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.2	82.8



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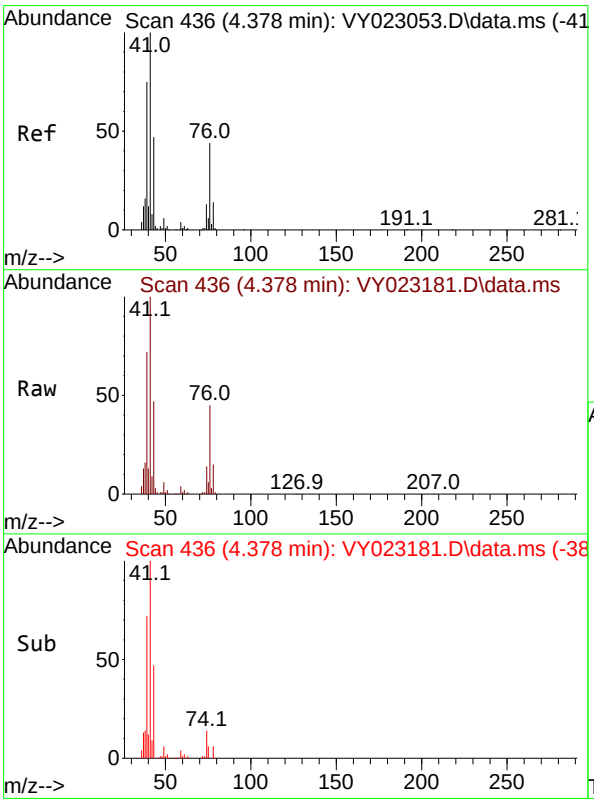
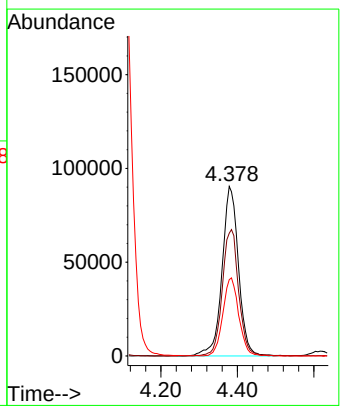
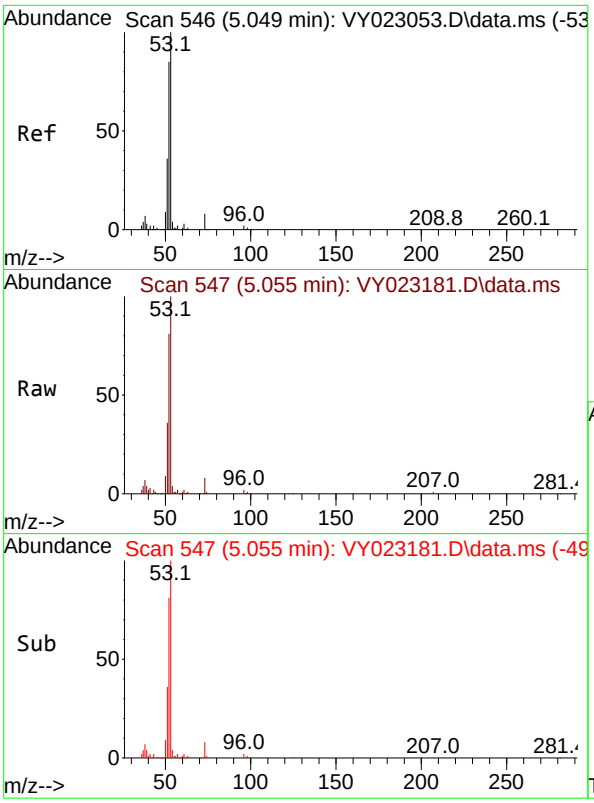


#14
Allyl chloride
Concen: 44.128 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 270128

Ion	Ratio	Lower	Upper
41	100		
39	74.1	59.8	89.6
76	44.6	33.7	50.5

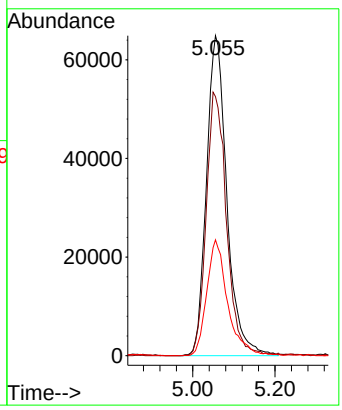




#15
Acrylonitrile
Concen: 242.415 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 53 Resp: 22368

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	37.1	29.5	44.3



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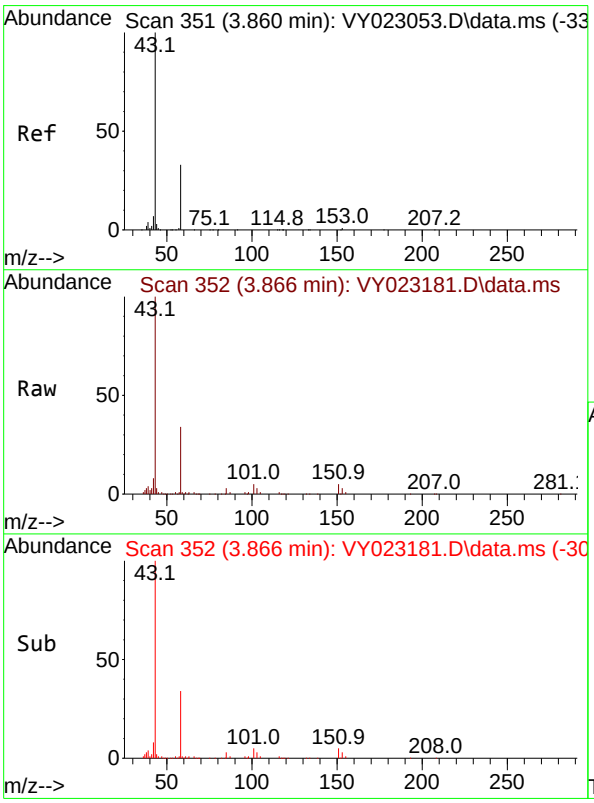
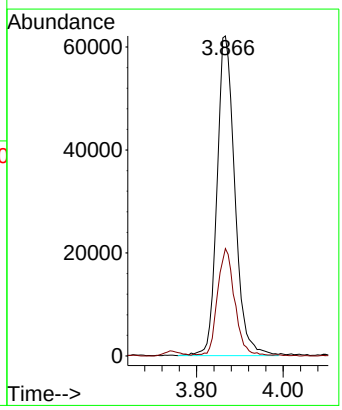
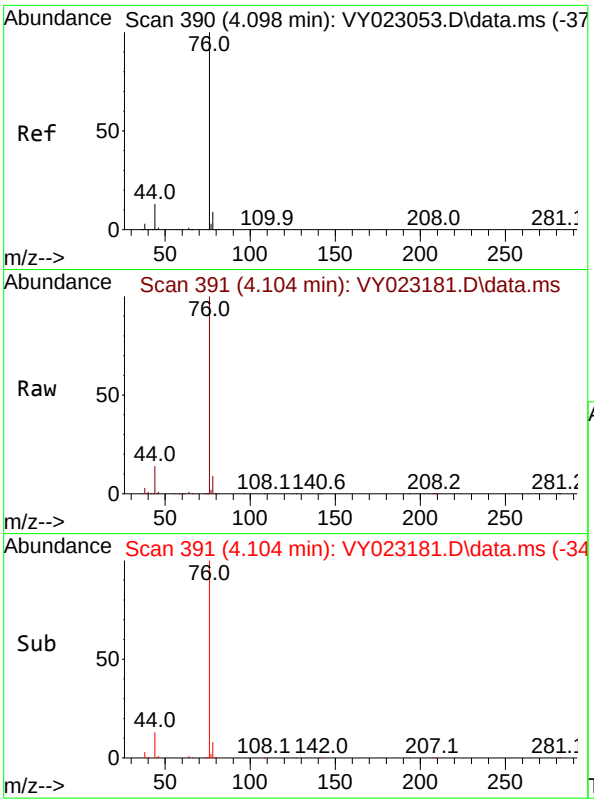


#16
Acetone
Concen: 199.376 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 177721

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.1	40.7





#17
Carbon Disulfide
Concen: 44.811 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 76 Resp: 60785

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
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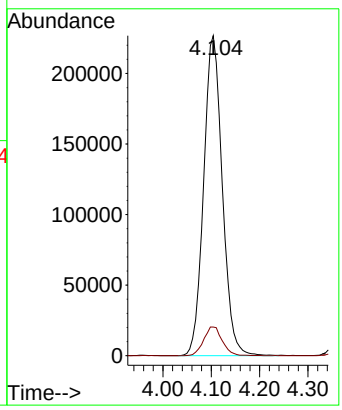
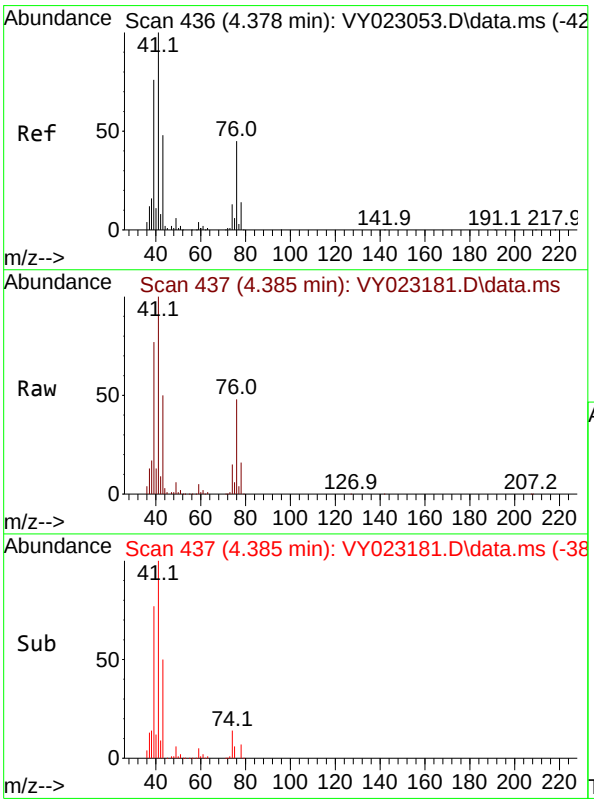
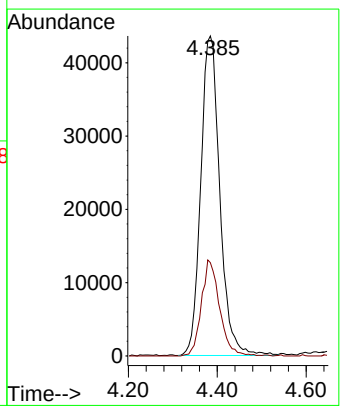


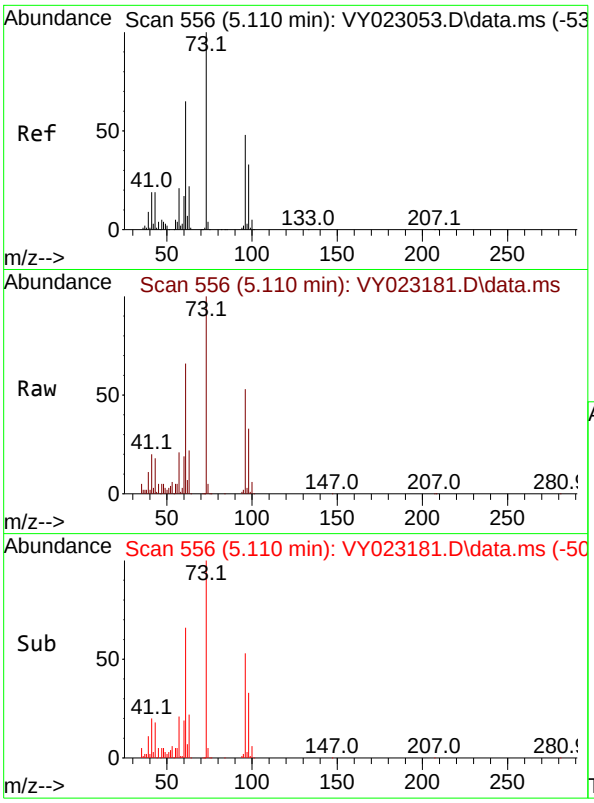


#18
Methyl Acetate
Concen: 49.121 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 130298

Ion	Ratio	Lower	Upper
43	100		
74	28.6	21.2	31.8

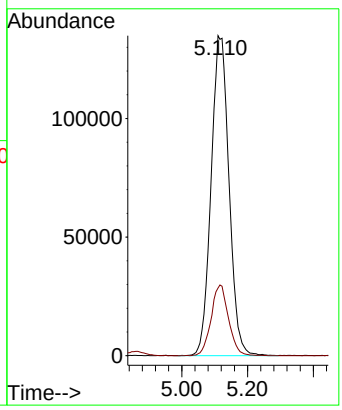




#19
Methyl tert-butyl Ether
Concen: 47.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 73 Resp: 51009

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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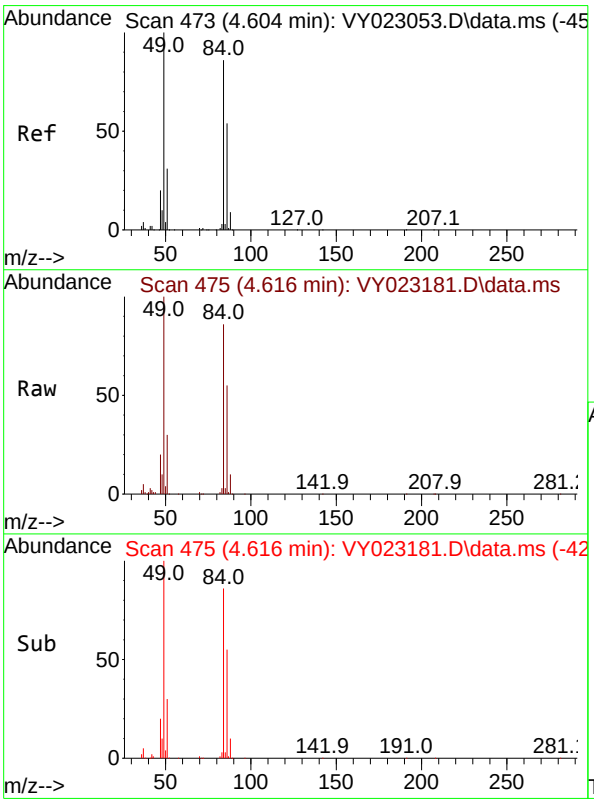
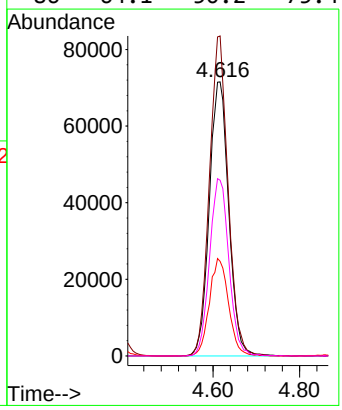
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

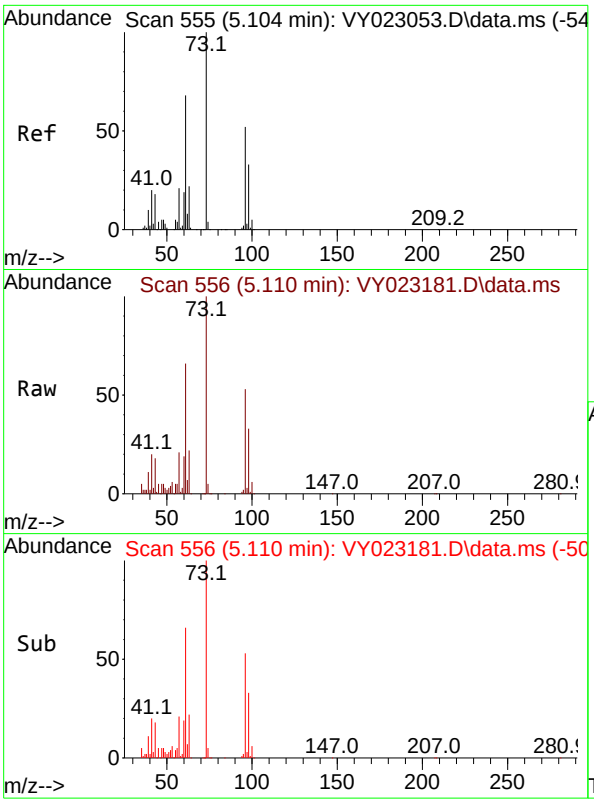


#20
Methylene Chloride
Concen: 48.063 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 84 Resp: 223113

Ion	Ratio	Lower	Upper
84	100		
49	116.8	93.0	139.6
51	34.5	29.0	43.4
86	64.1	50.2	75.4

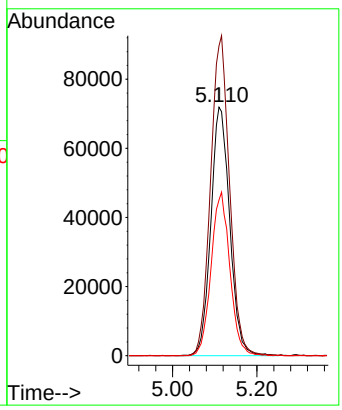




#21
trans-1,2-Dichloroethene
Concen: 47.840 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 96 Resp: 22366

Ion	Ratio	Lower	Upper
96	100		
61	124.6	104.8	157.2
98	62.6	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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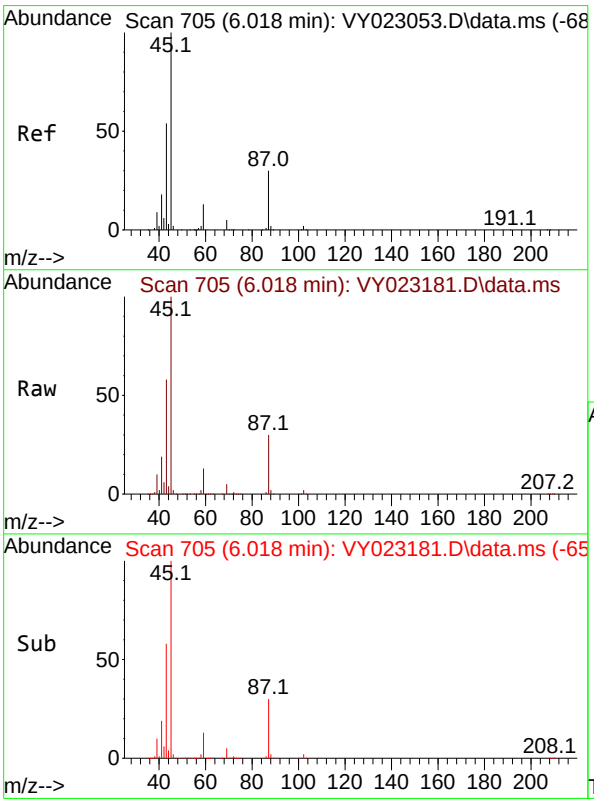
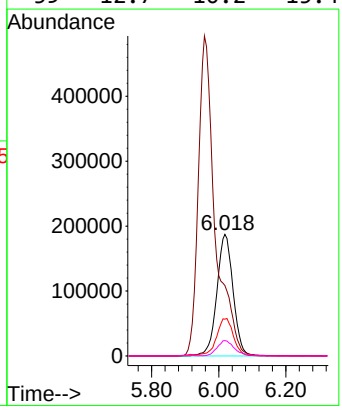
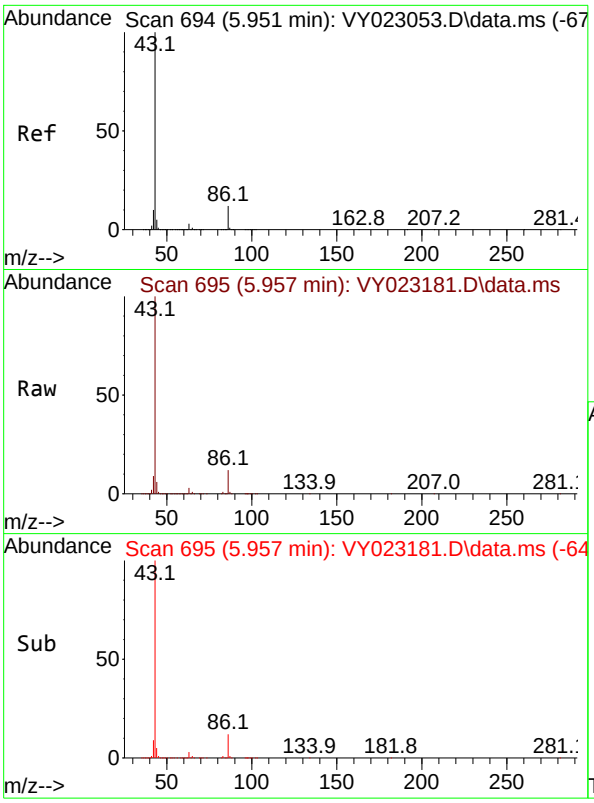


#22
Diisopropyl ether
Concen: 47.200 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 45 Resp: 627852

Ion	Ratio	Lower	Upper
45	100		
43	57.9	43.4	65.0
87	30.3	24.4	36.6
59	12.7	10.2	15.4





#23
Vinyl Acetate
Concen: 233.764 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 171939

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.6	14.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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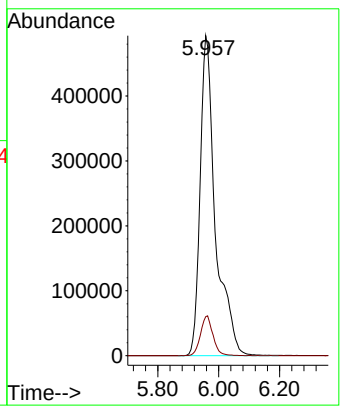
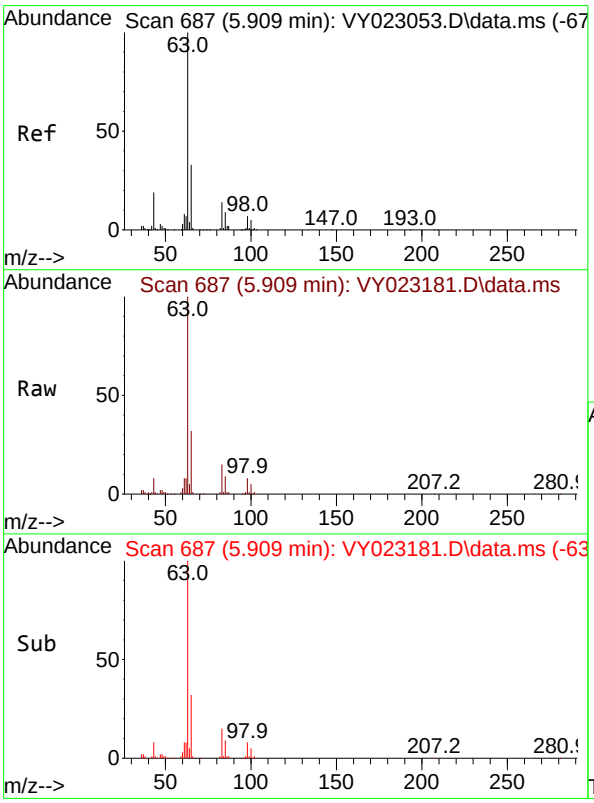
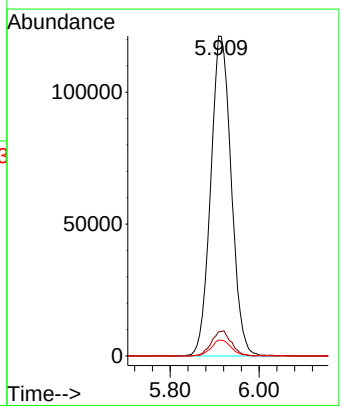


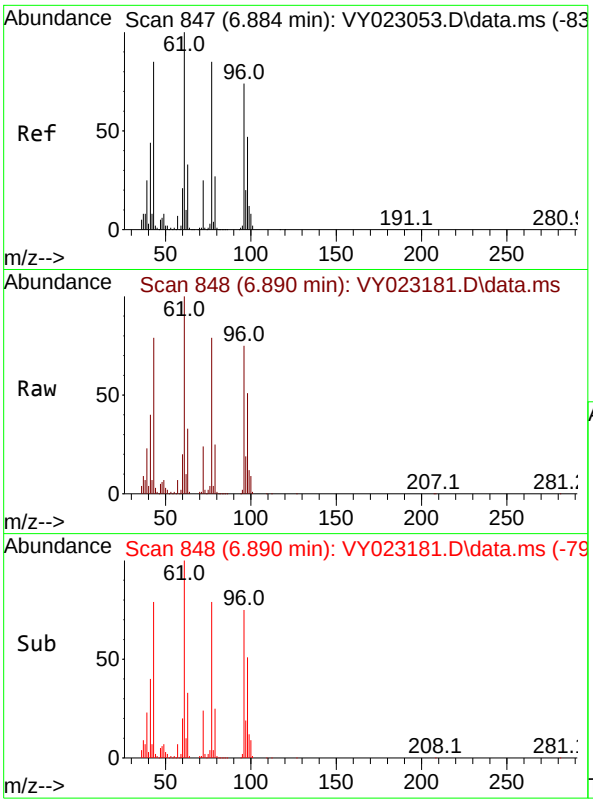


#24
1,1-Dichloroethane
Concen: 47.830 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 388982

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.9	2.4	7.1





#25
2-Butanone
Concen: 224.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 27266

Ion	Ratio	Lower	Upper
43	100		
72	30.9	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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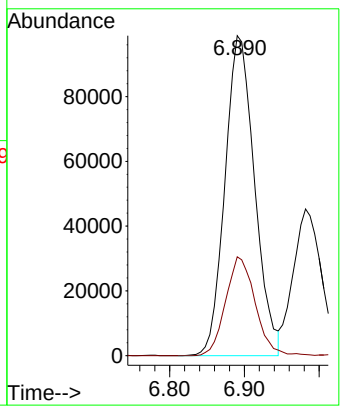
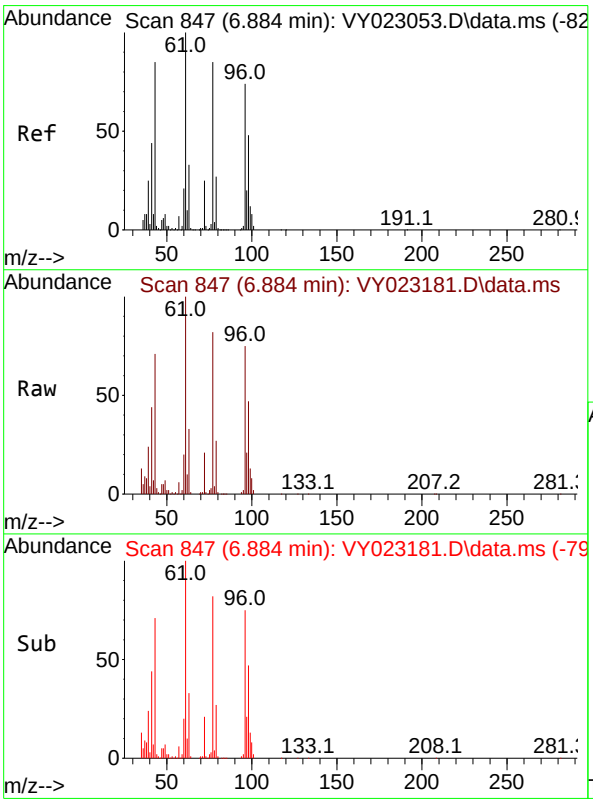
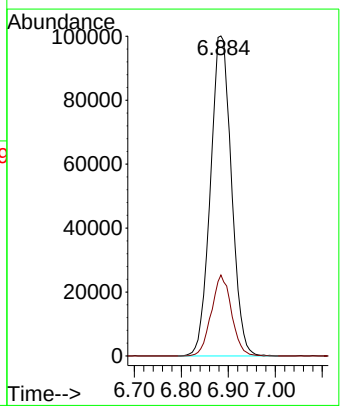


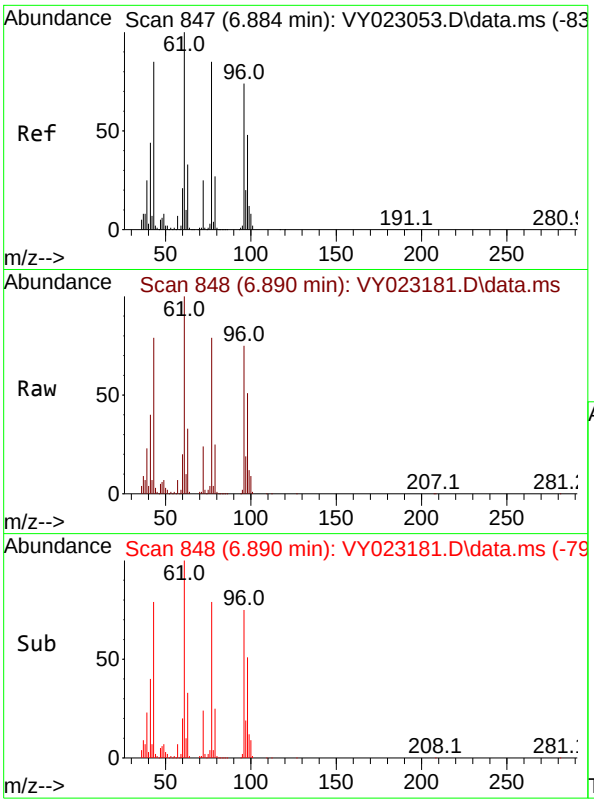


#26
2,2-Dichloropropane
Concen: 44.329 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 77 Resp: 311074

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 48.491 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 96 Resp: 26208

Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	278.6
98	66.1	0.0	130.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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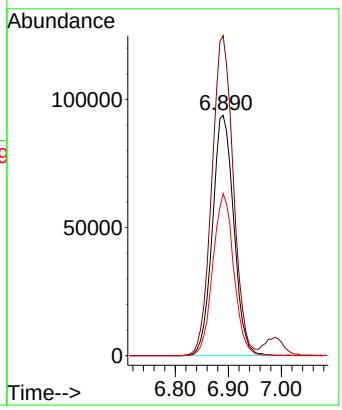
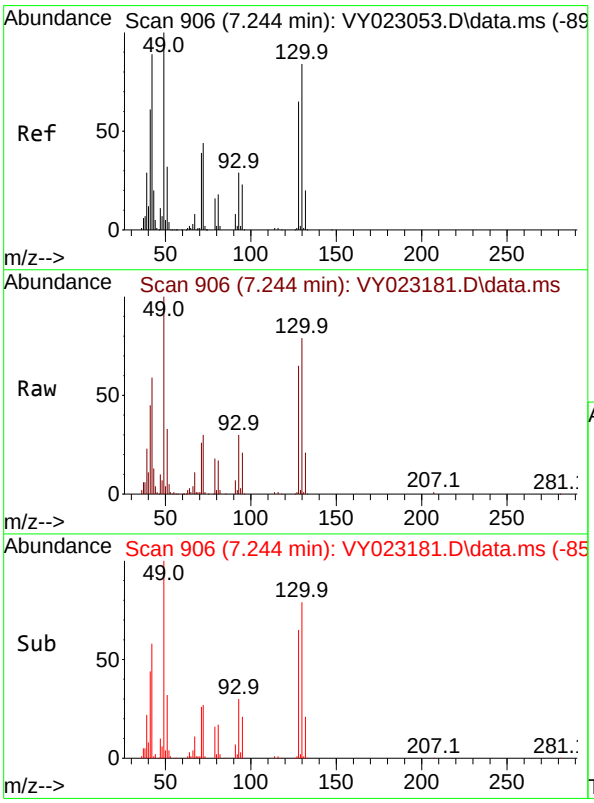
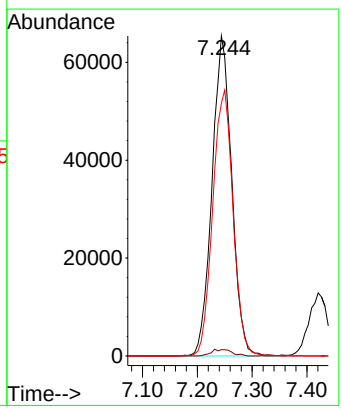


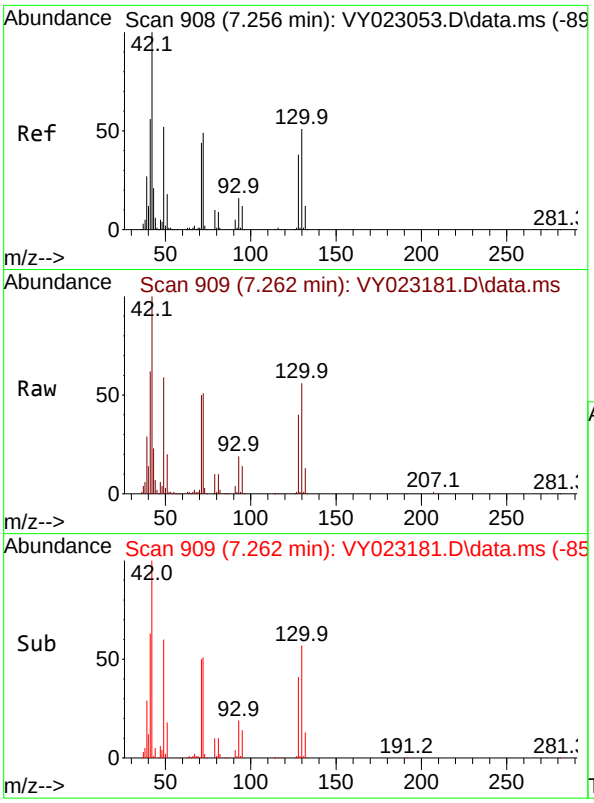


#28
Bromochloromethane
Concen: 50.540 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 49 Resp: 163067

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.8	66.4	99.6

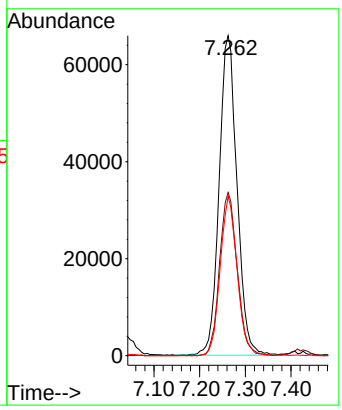




#29
Tetrahydrofuran
Concen: 238.443 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 42 Resp: 17918

Ion	Ratio	Lower	Upper
42	100		
72	50.4	39.4	59.2
71	47.1	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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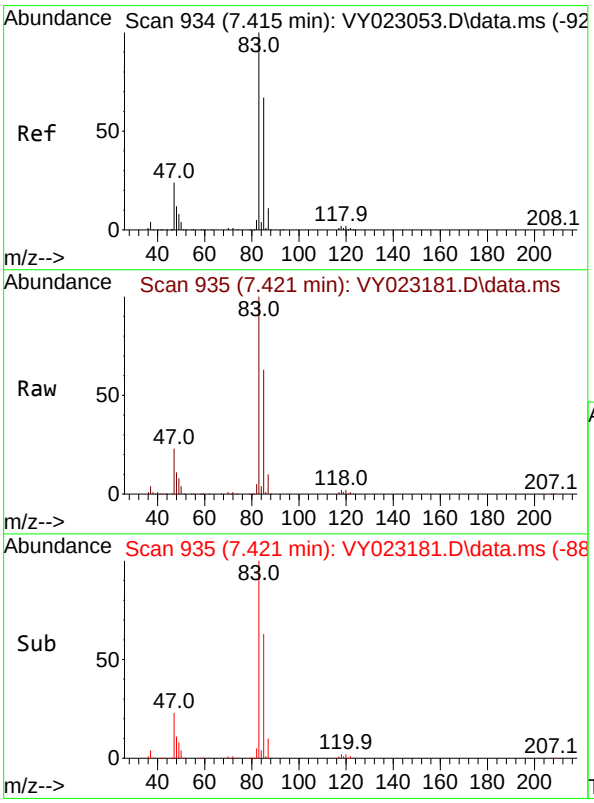
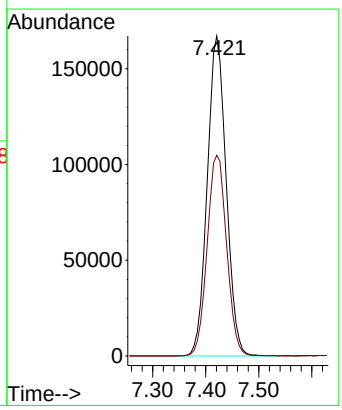
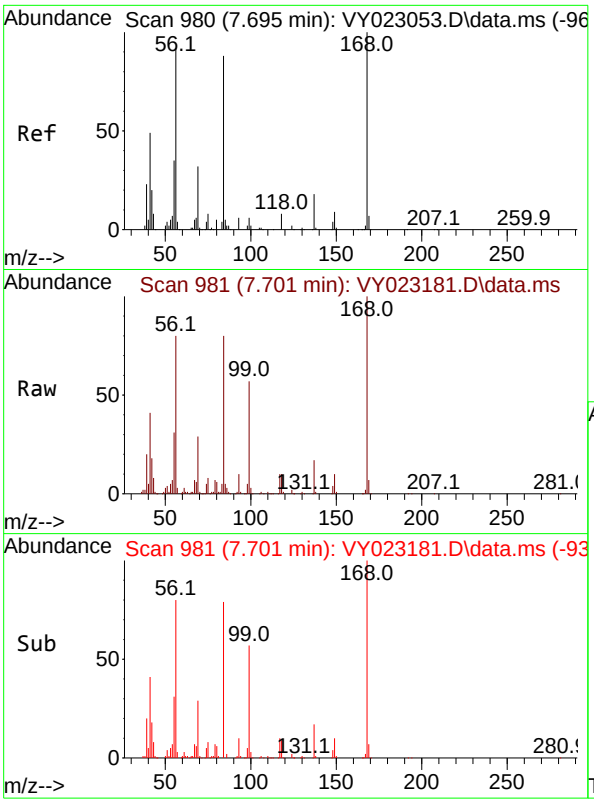


#30
Chloroform
Concen: 49.417 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 83 Resp: 414476

Ion	Ratio	Lower	Upper
83	100		
85	62.7	53.8	80.8

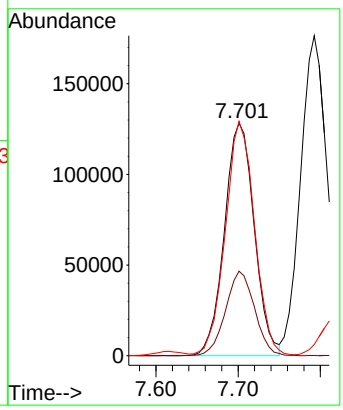




#31
Cyclohexane
Concen: 42.328 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 56 Resp: 32438

Ion	Ratio	Lower	Upper
56	100		
69	36.4	28.2	42.2
84	99.4	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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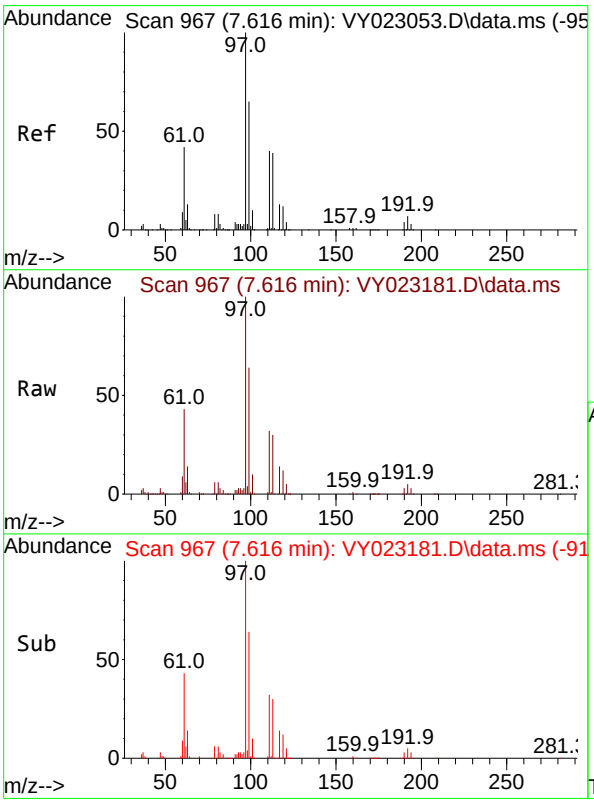
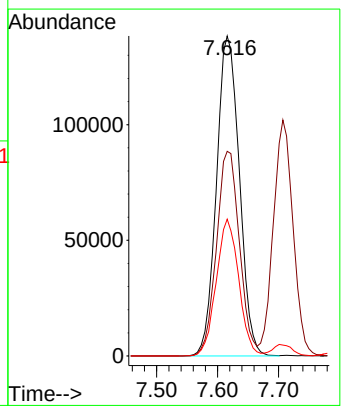
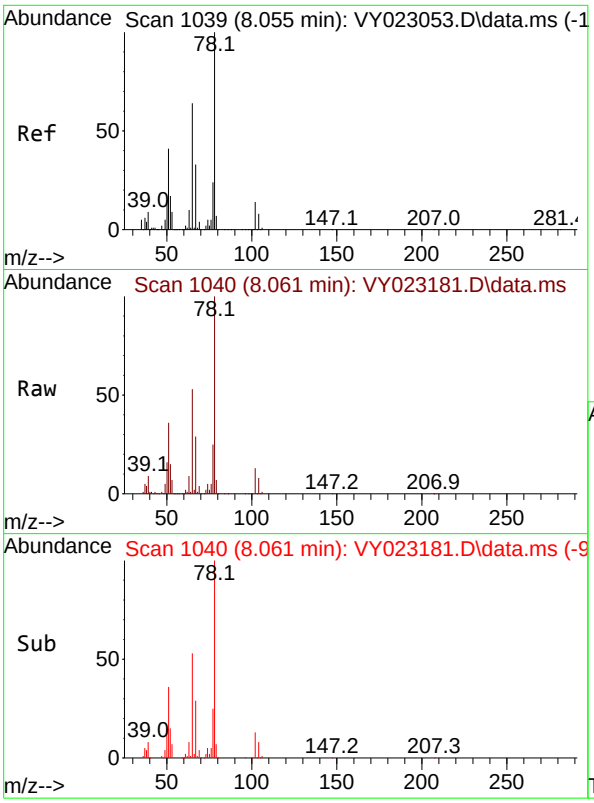


#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 97 Resp: 361459

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	42.1	34.2	51.2

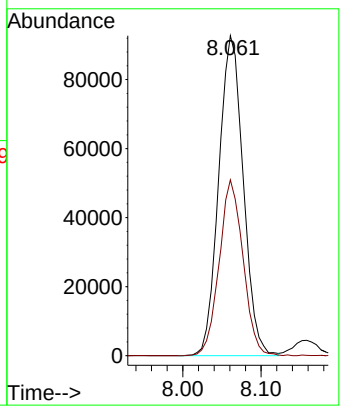




#33
1,2-Dichloroethane-d4
Concen: 49.047 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 65 Resp: 20180

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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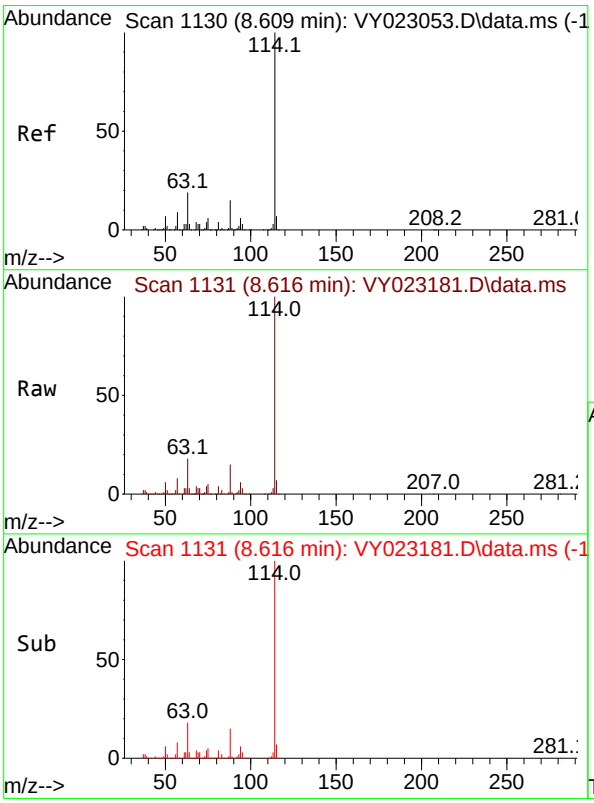
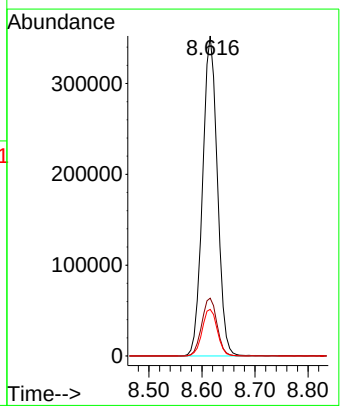
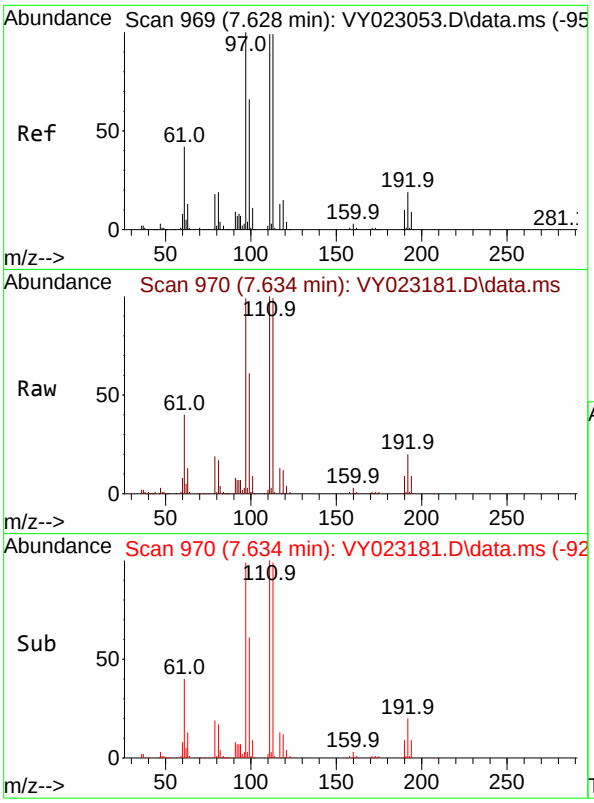


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:114 Resp: 681100

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	14.6	0.0	30.0

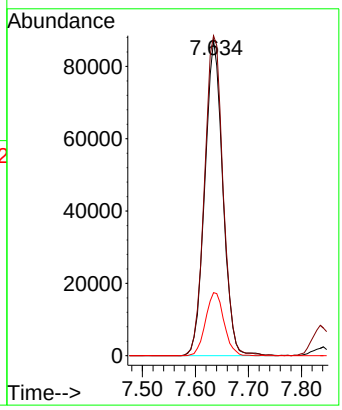




#35
Dibromofluoromethane
Concen: 50.409 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:113 Resp: 20544

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.1	121.7
192	20.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
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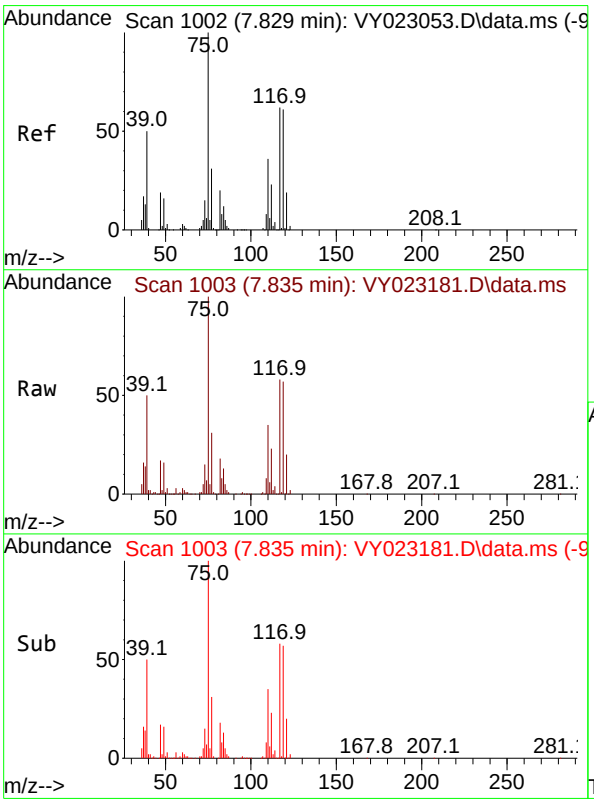
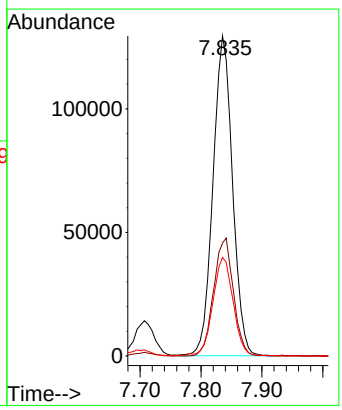
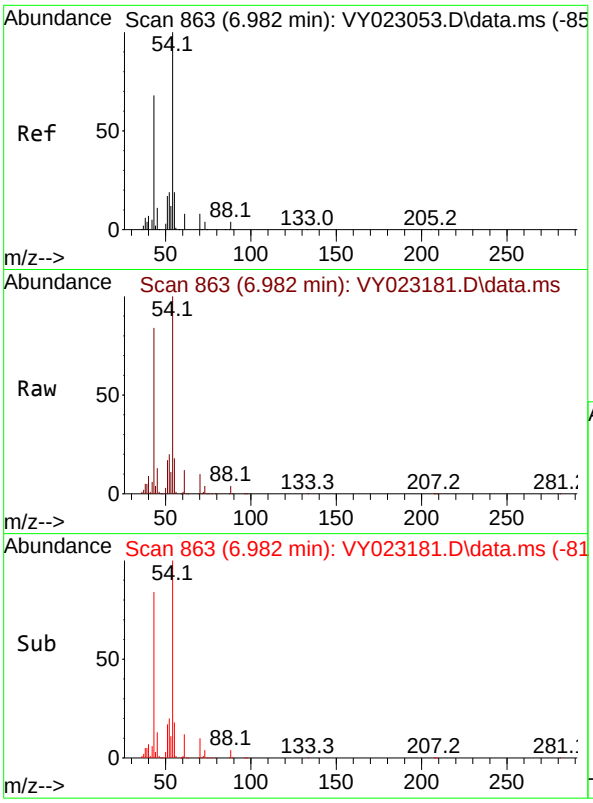


#36
1,1-Dichloropropene
Concen: 47.687 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 288831

Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.1	54.4
77	31.8	24.6	37.0





#37
Ethyl Acetate
Concen: 48.438 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 12324

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.4	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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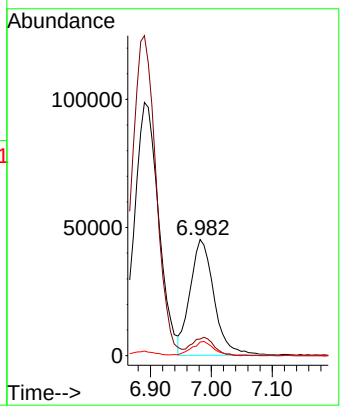
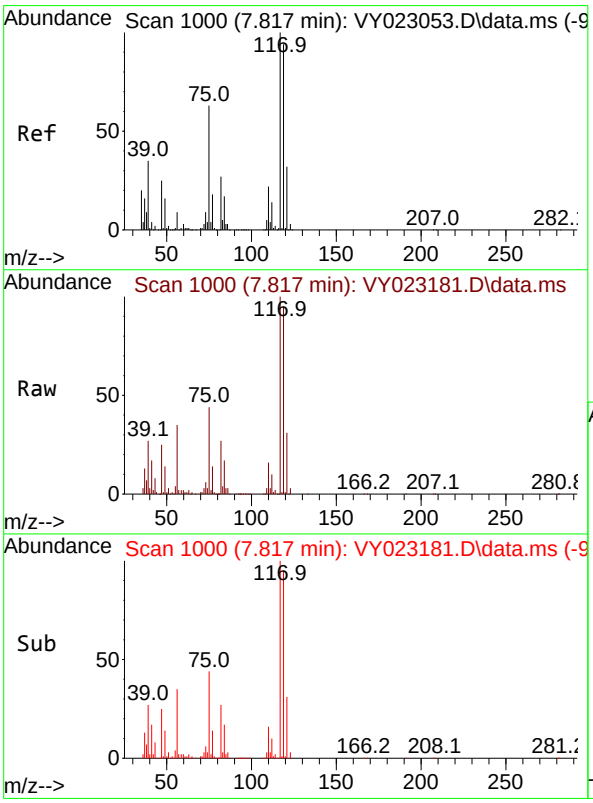
Supervised By :Semsettin Yesilyurt 08/22/2025

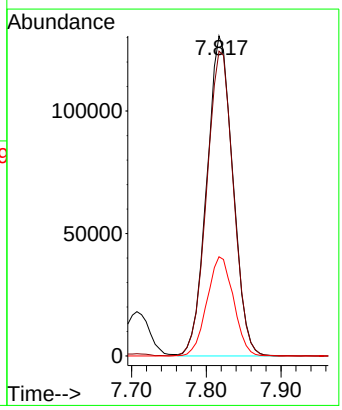


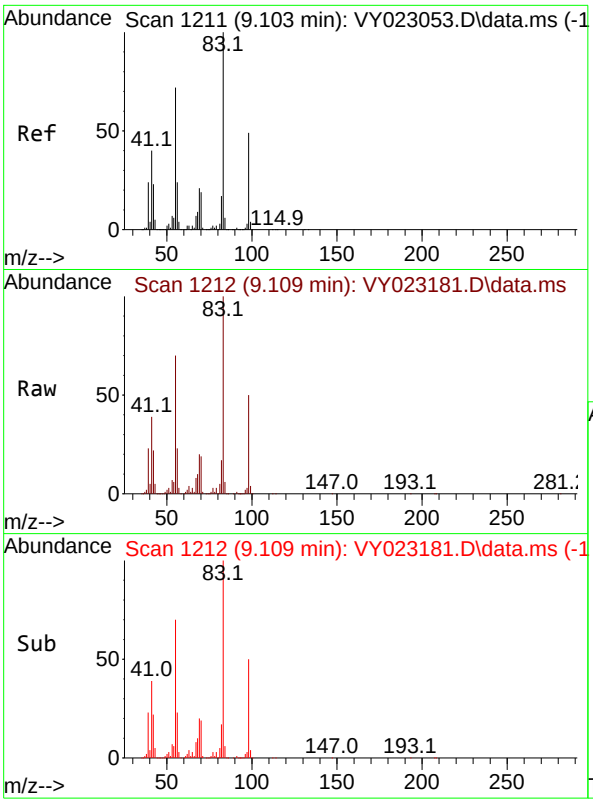


#38
Carbon Tetrachloride
Concen: 48.256 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:117 Resp: 317448

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	31.0	25.8	38.8





#39
Methylcyclohexane
Concen: 46.445 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 83 Resp: 37044

Ion	Ratio	Lower	Upper
83	100		
55	70.2	57.6	86.4
98	50.3	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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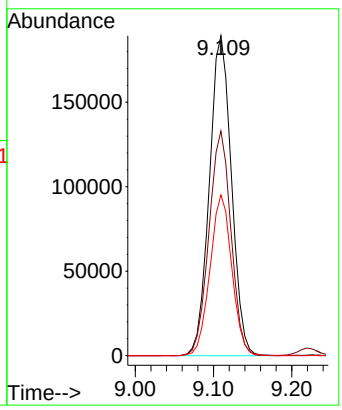
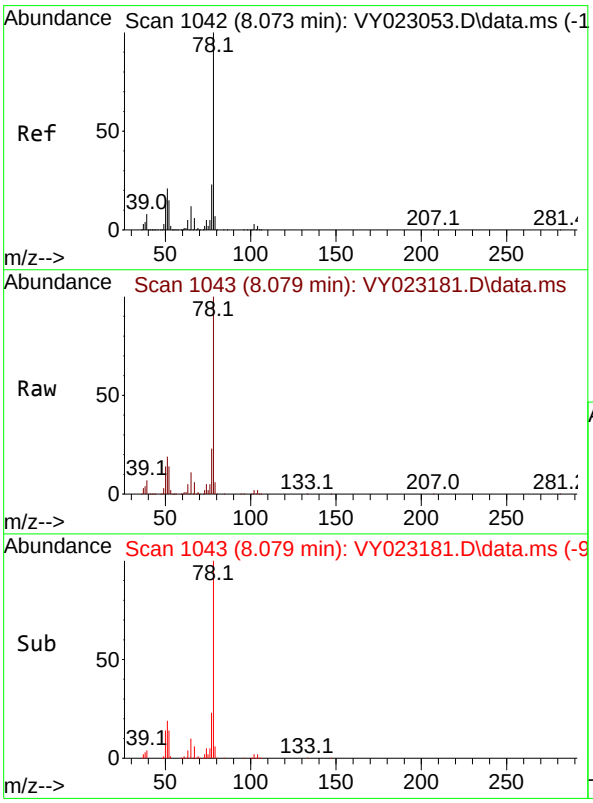
Supervised By :Semsettin Yesilyurt 08/22/2025

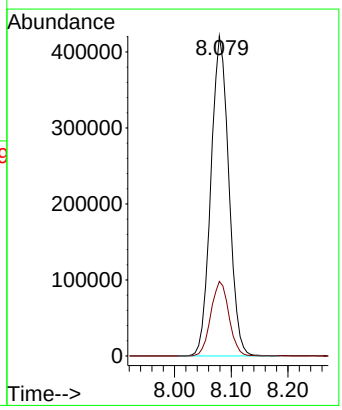


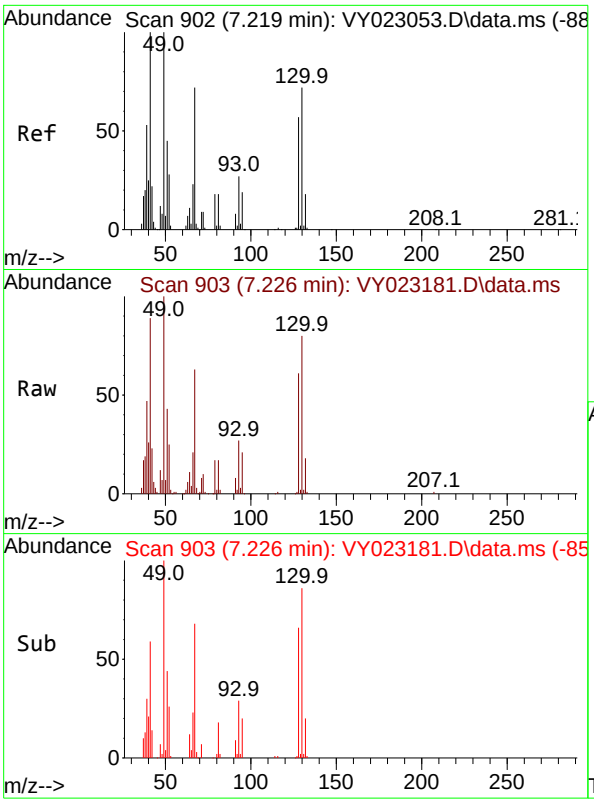


#40
Benzene
Concen: 49.434 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 78 Resp: 922826

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41
Methacrylonitrile
Concen: 42.710 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 6271

Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.4	65.2
67	91.7	63.6	95.4
52	38.4	25.4	38.2#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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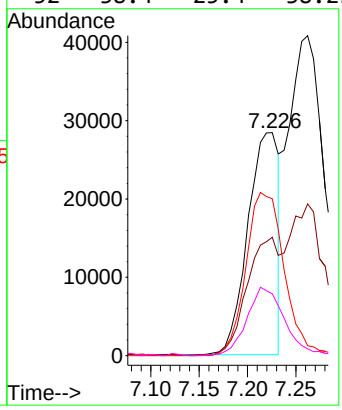
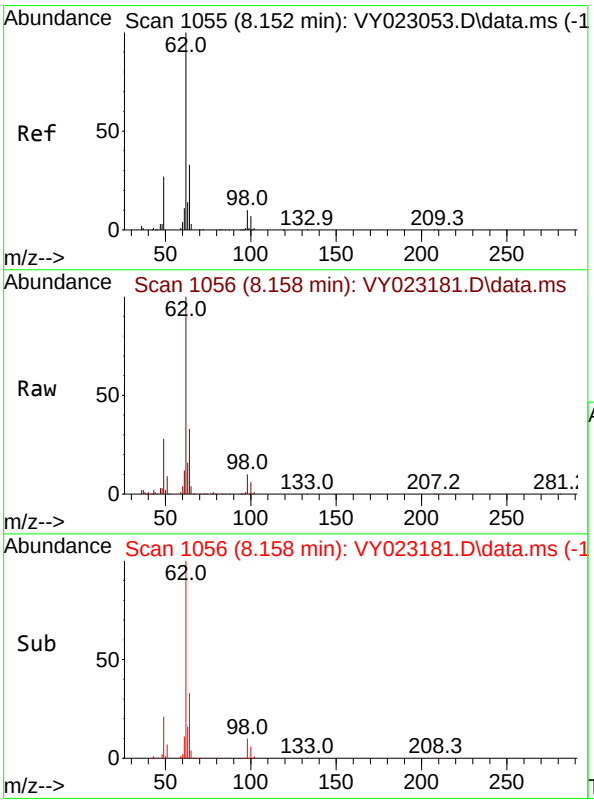
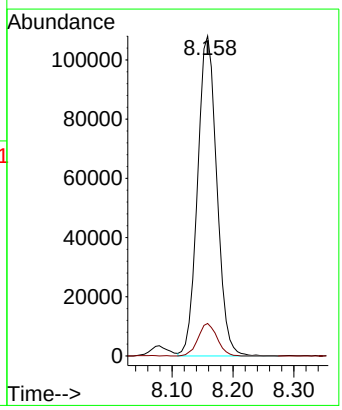


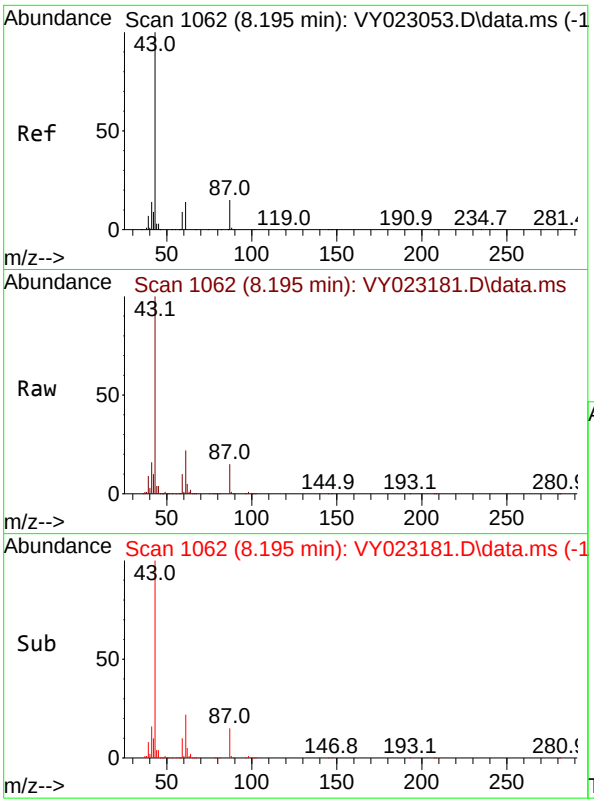


#42
1,2-Dichloroethane
Concen: 48.880 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 62 Resp: 237320

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

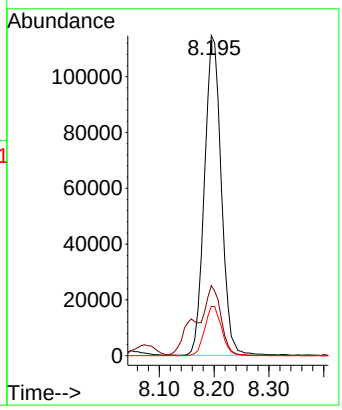




#43
Isopropyl Acetate
Concen: 47.349 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 24348

Ion	Ratio	Lower	Upper
43	100		
61	21.9	16.4	24.6
87	15.6	11.8	17.6



Instrument :
MSVOA_Y
ClientSampleId :
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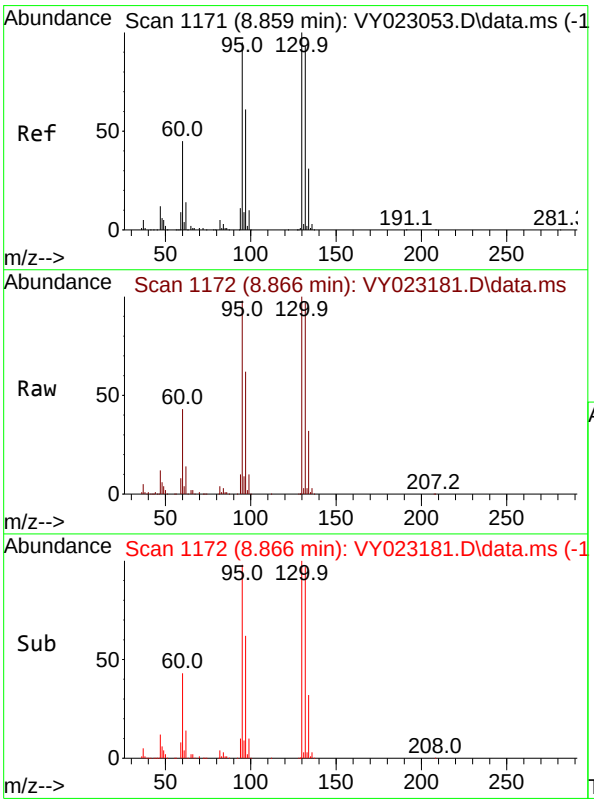
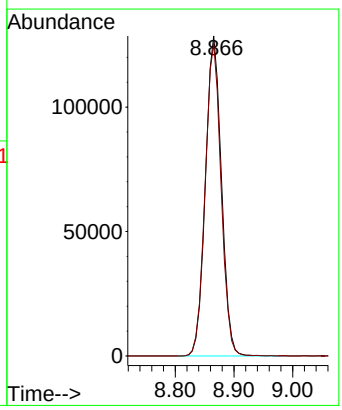
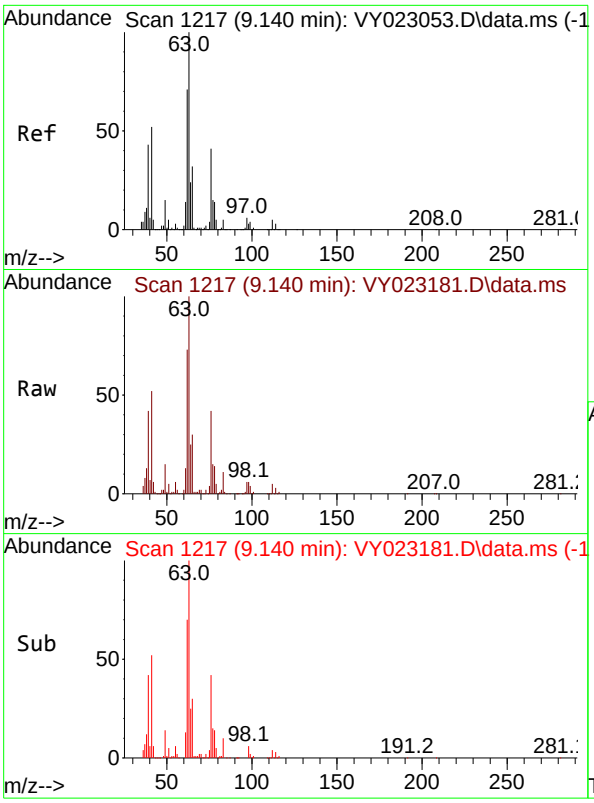


#44
Trichloroethene
Concen: 50.380 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:130 Resp: 243042

Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	190.2

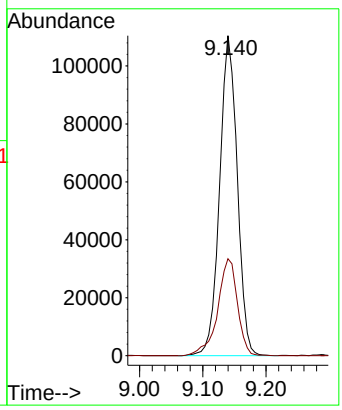




#45
1,2-Dichloropropane
Concen: 49.651 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 21326

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.3	37.9



Instrument :
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ClientSampleId :
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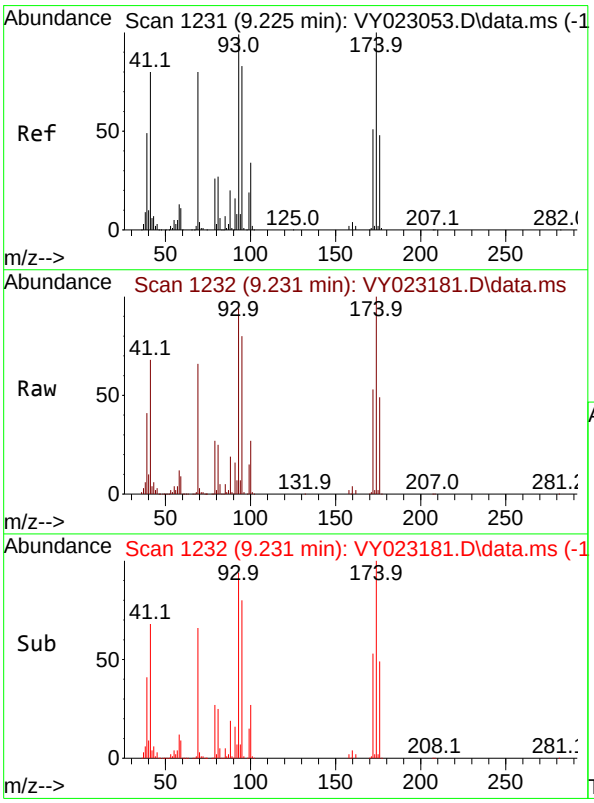
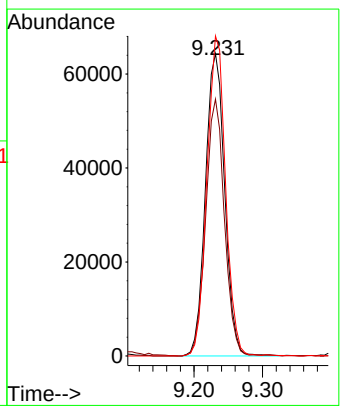
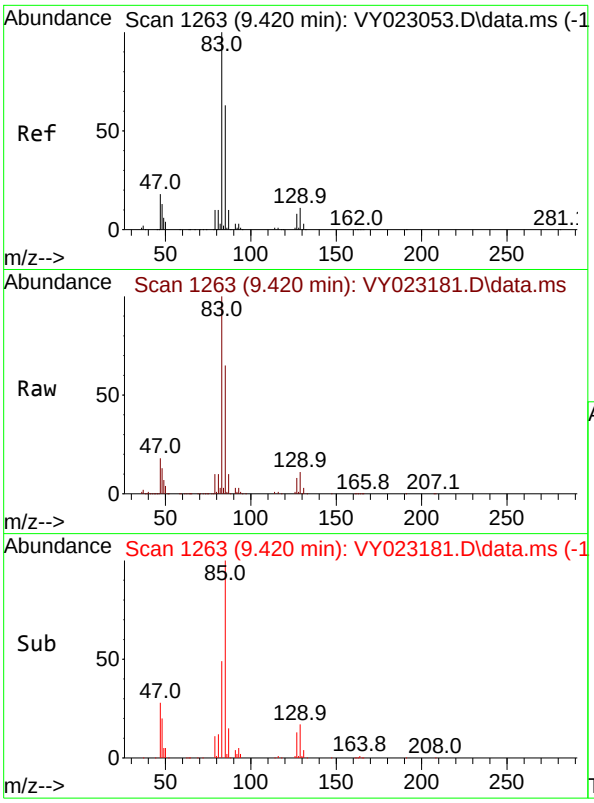


#46
Dibromomethane
Concen: 51.057 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 93 Resp: 125873

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.5	99.7
174	102.2	81.8	122.8

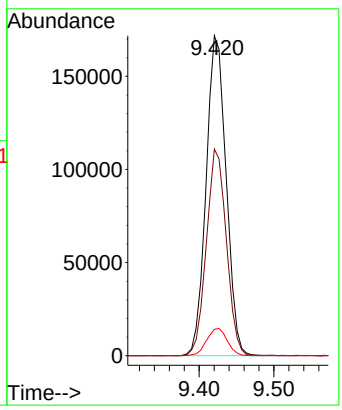




#47
Bromodichloromethane
Concen: 50.434 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 83 Resp: 31993

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4
127	8.2	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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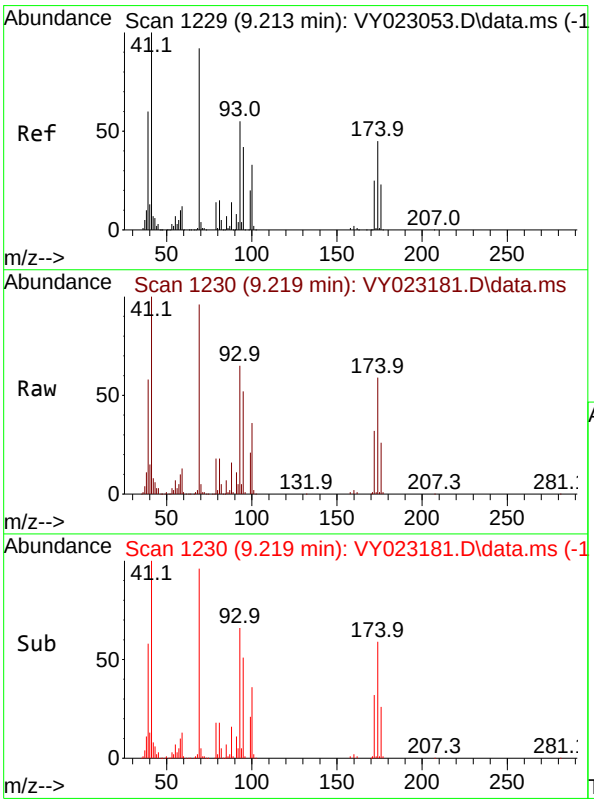
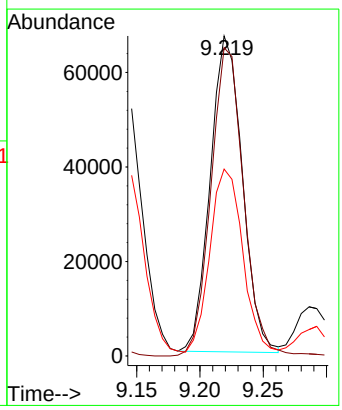
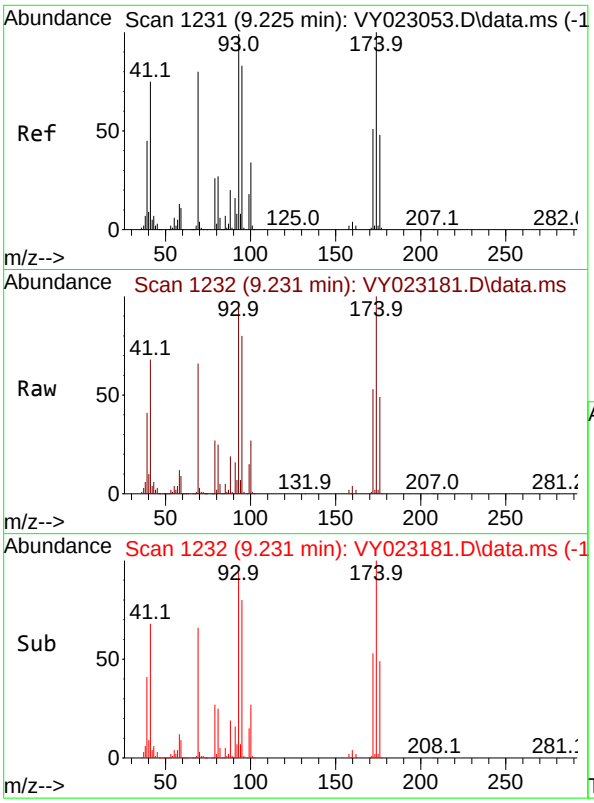


#48
Methyl methacrylate
Concen: 47.928 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 117938

Ion	Ratio	Lower	Upper
41	100		
69	99.5	73.2	109.8
39	59.2	47.0	70.4





#49
1,4-Dioxane
Concen: 1025.325 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 88 Resp: 2963

Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.3	36.5
58	66.8	55.4	83.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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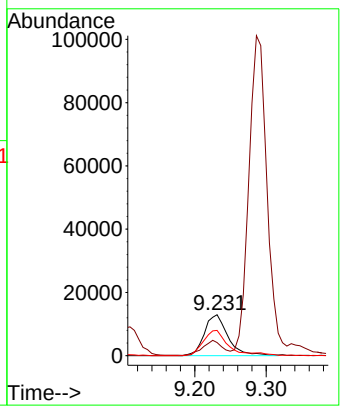
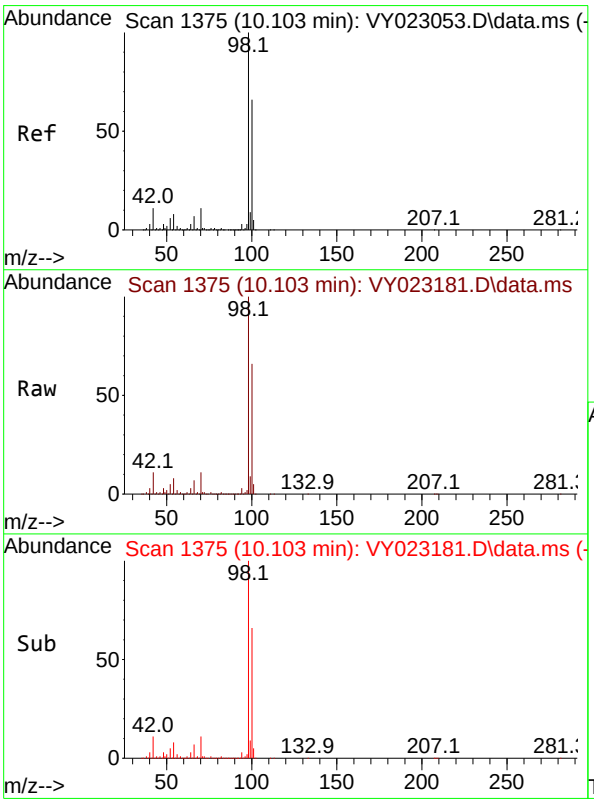
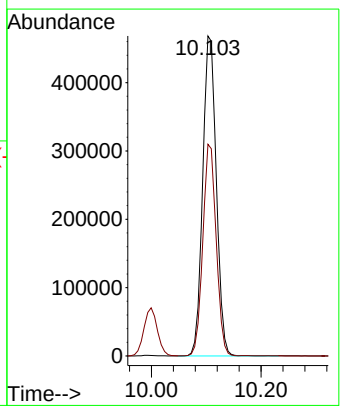


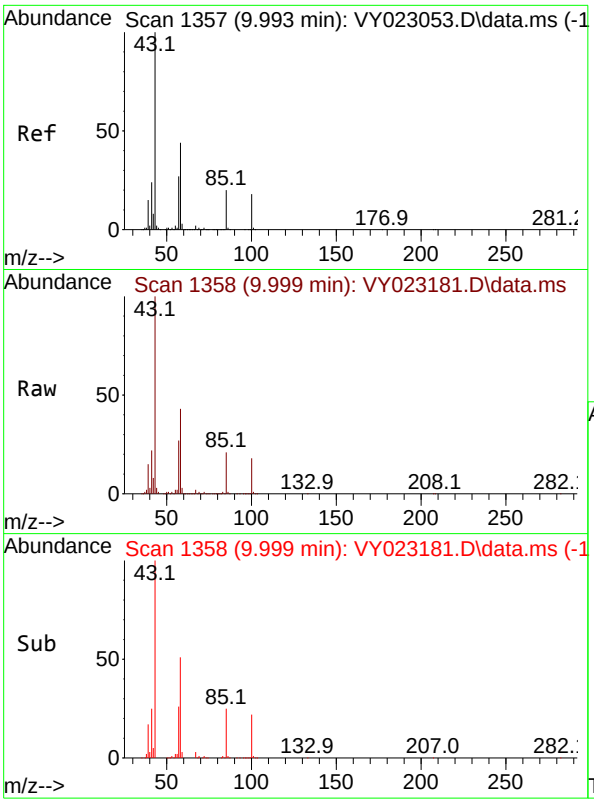


#50
Toluene-d8
Concen: 50.496 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 98 Resp: 803956

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5

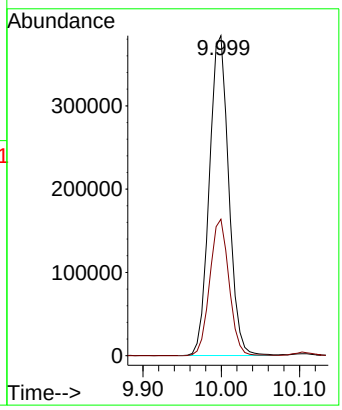




#51
4-Methyl-2-Pentanone
Concen: 248.855 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 66010

Ion	Ratio	Lower	Upper
43	100		
58	42.4	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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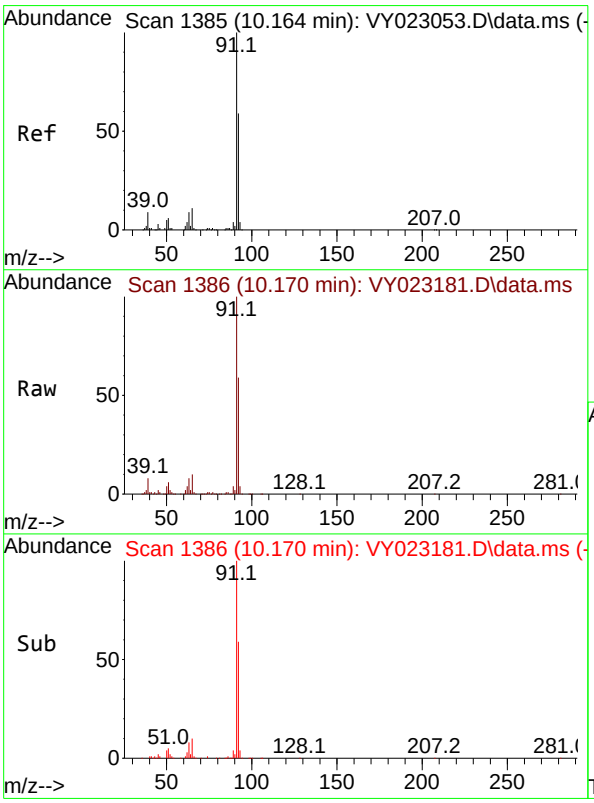
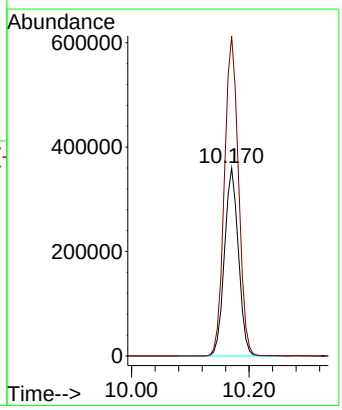
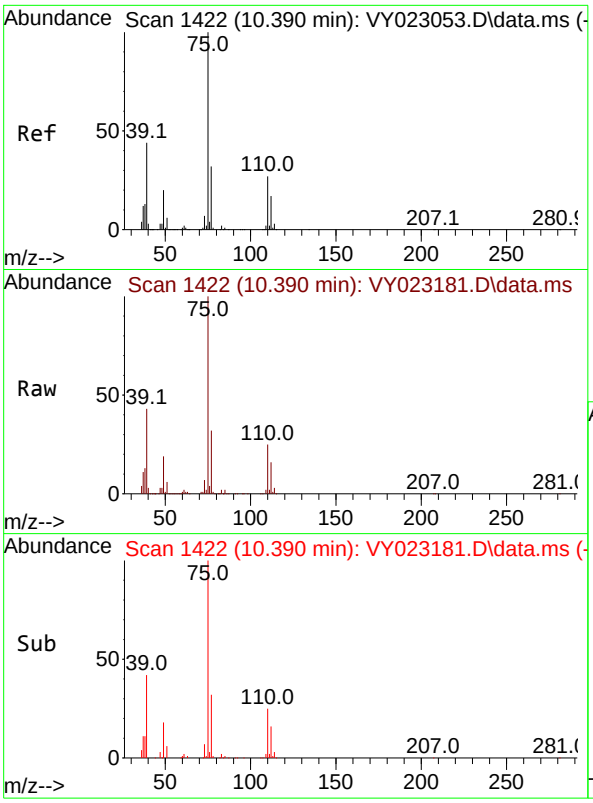


#52
Toluene
Concen: 49.880 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 92 Resp: 591391

Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 27744

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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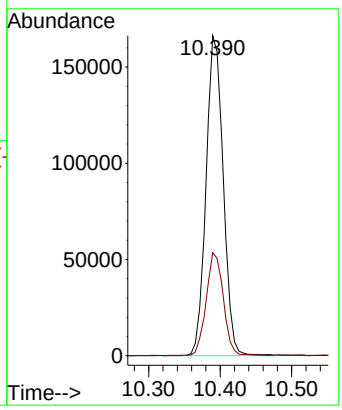
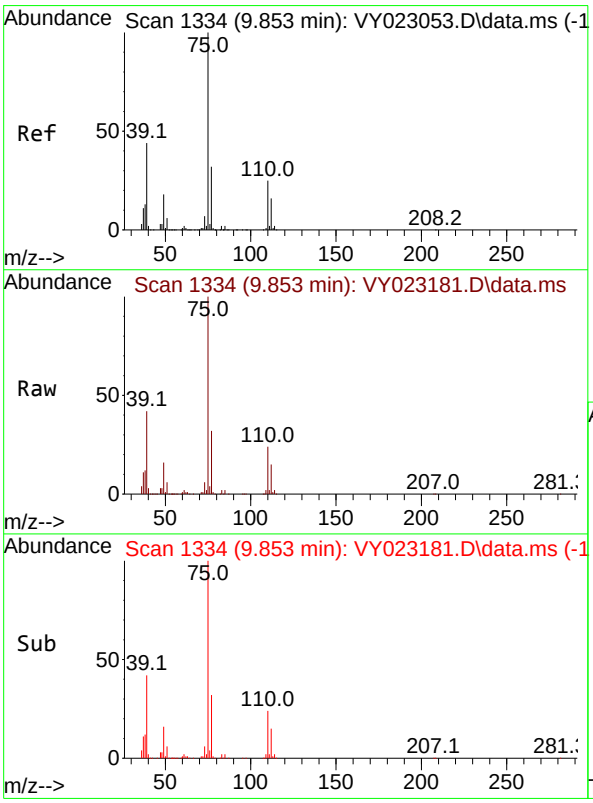
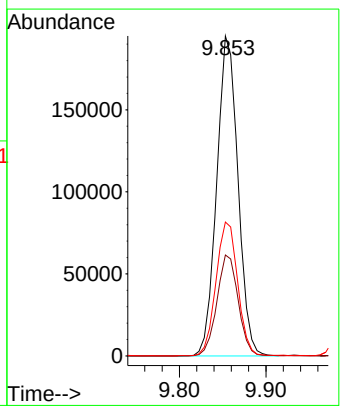


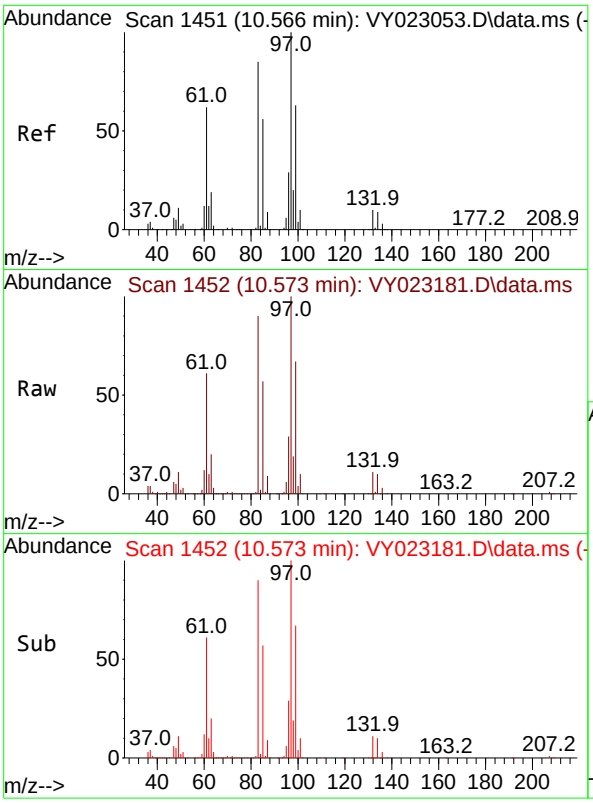


#54
cis-1,3-Dichloropropene
Concen: 48.898 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 332155

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	41.8	35.6	53.4

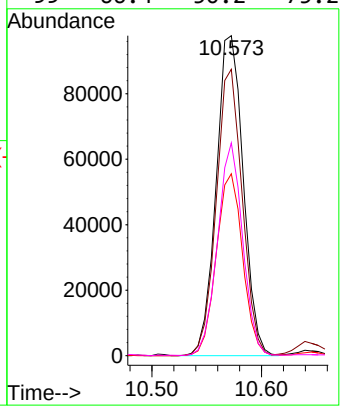




#55
1,1,2-Trichloroethane
Concen: 50.825 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 97 Resp: 16766

Ion	Ratio	Lower	Upper
97	100		
83	89.5	67.7	101.5
85	56.8	44.5	66.7
99	66.4	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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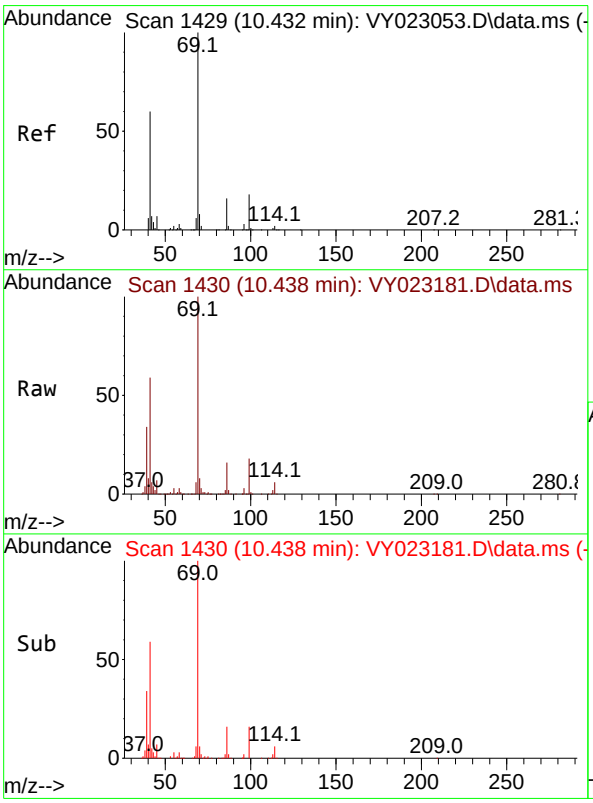
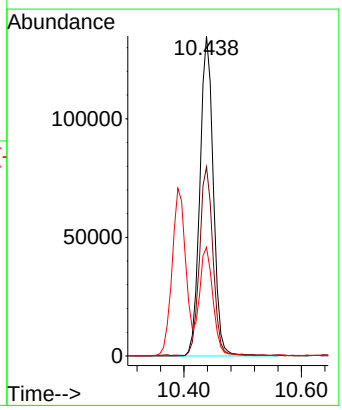
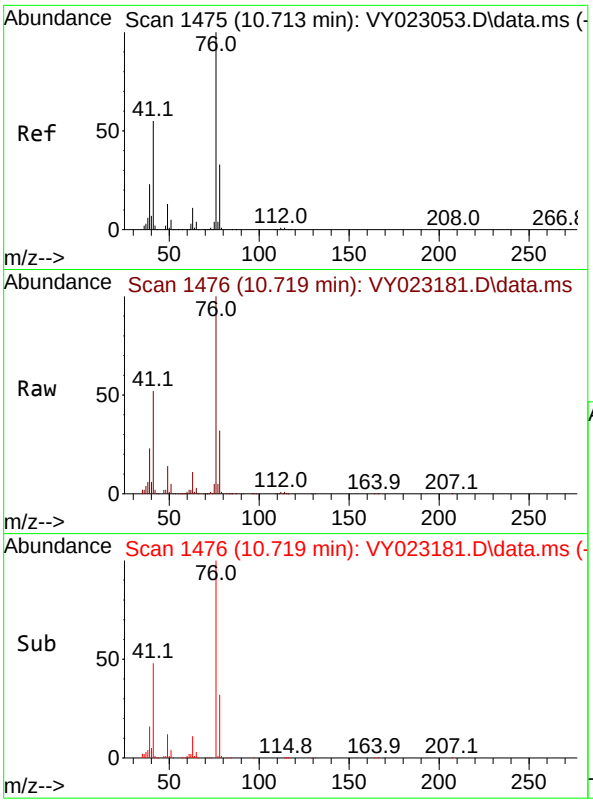


#56
Ethyl methacrylate
Concen: 50.756 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 69 Resp: 214252

Ion	Ratio	Lower	Upper
69	100		
41	58.6	48.6	72.8
39	34.1	27.0	40.4





#57
1,3-Dichloropropane
Concen: 50.056 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 76 Resp: 28004

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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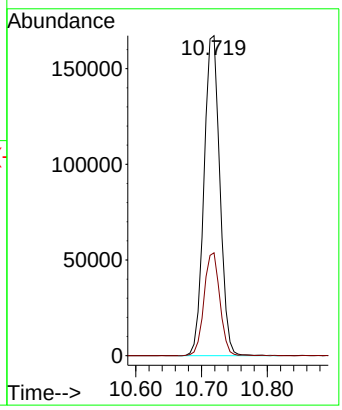
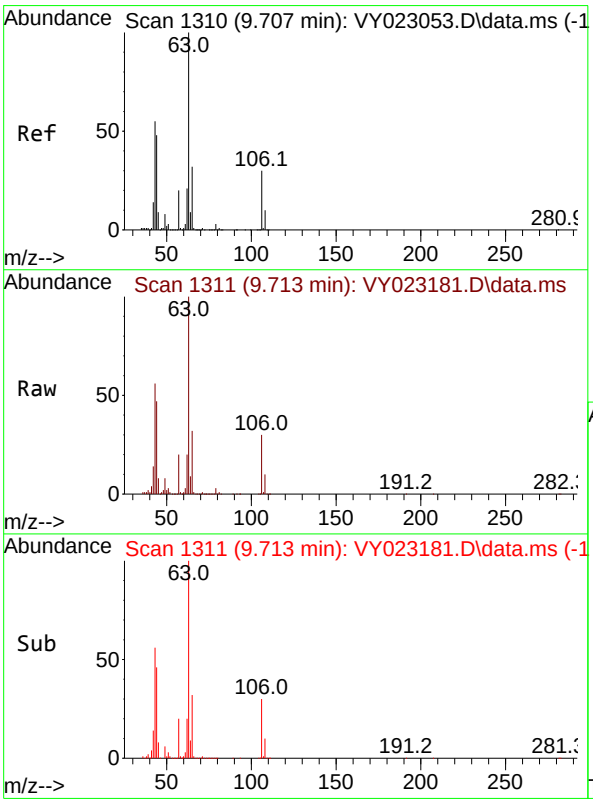
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

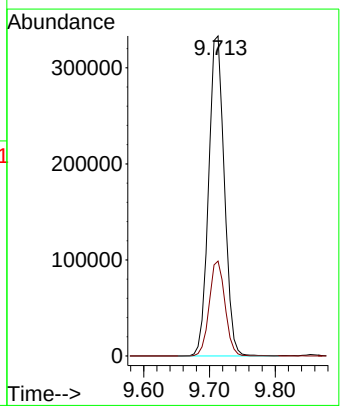


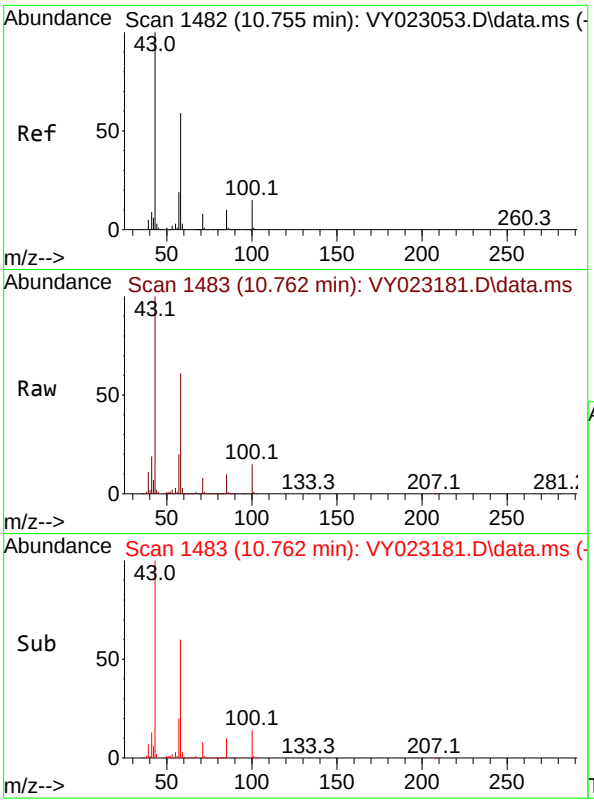


#58
2-Chloroethyl Vinyl ether
Concen: 278.196 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 553935

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.2	34.8





#59
2-Hexanone
Concen: 240.731 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 43481

Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.5	88.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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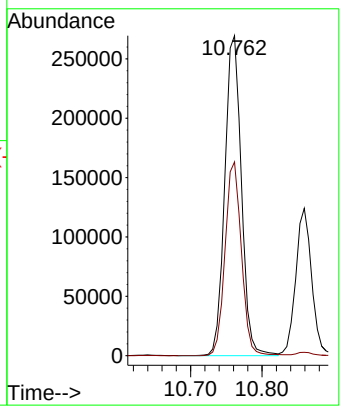
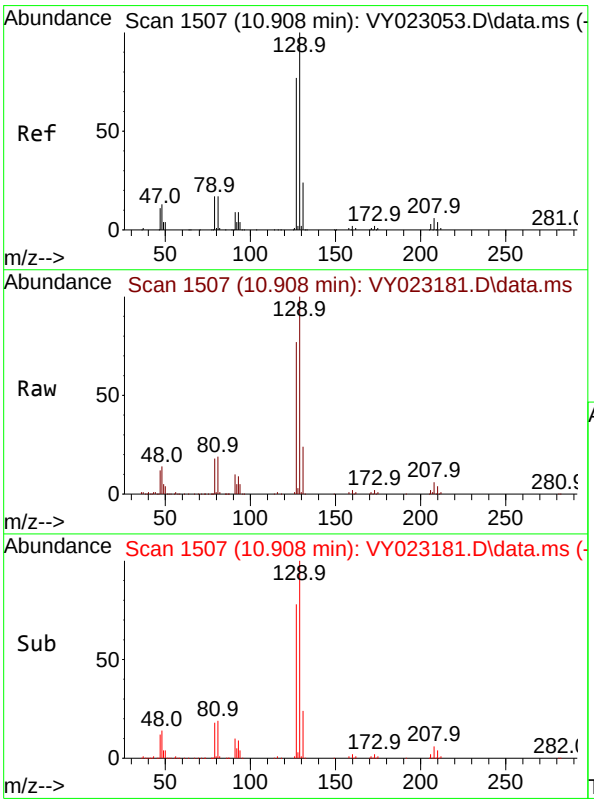
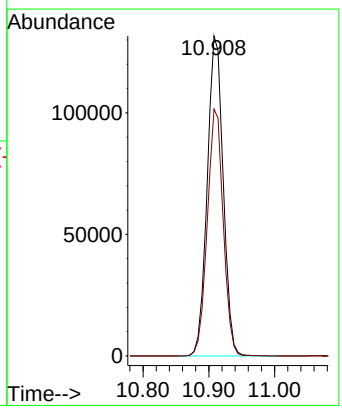


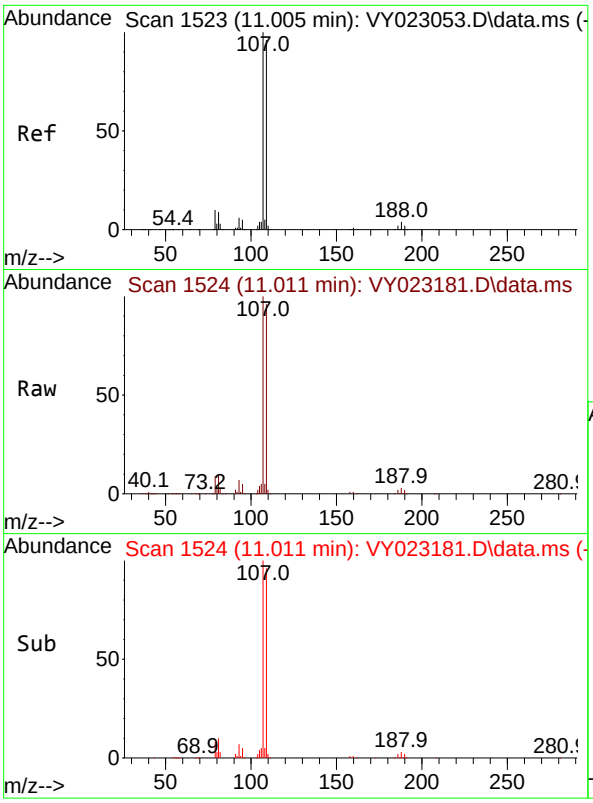


#60
Dibromochloromethane
Concen: 50.987 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:129 Resp: 221938

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 50.486 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:107 Resp: 15653

Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.6	113.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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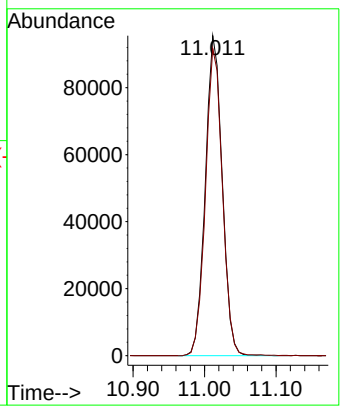
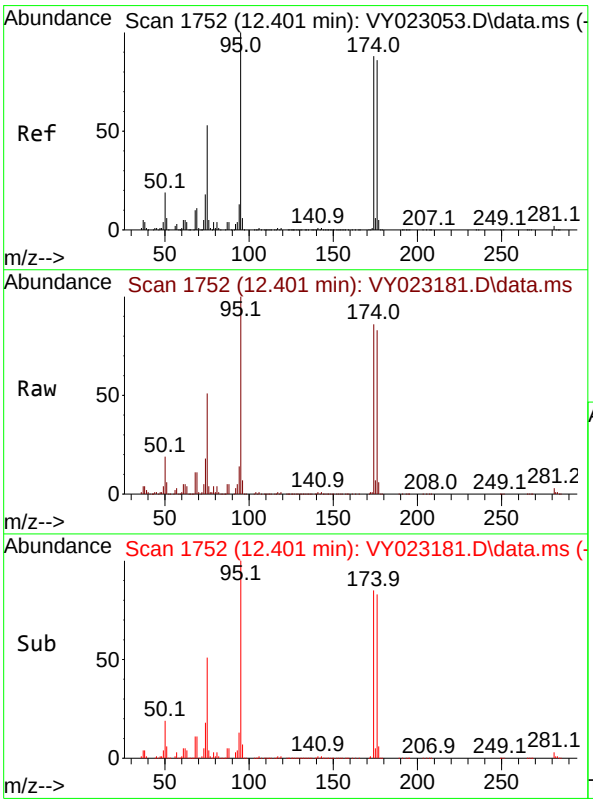
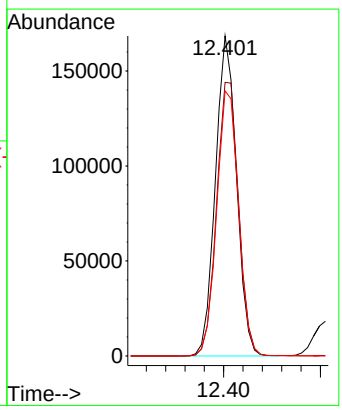


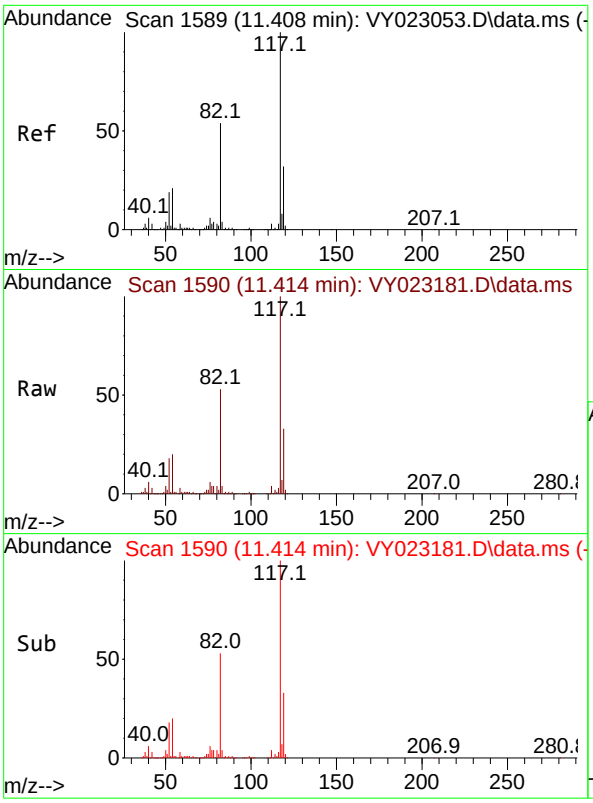


#62
4-Bromofluorobenzene
Concen: 49.709 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 95 Resp: 254520

Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	171.6
176	86.1	0.0	167.6

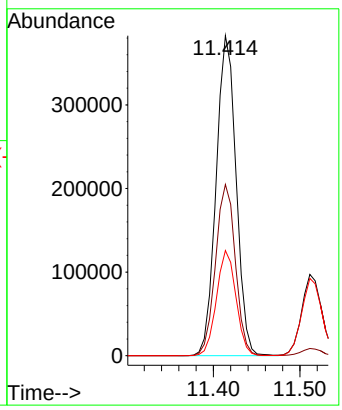




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:117 Resp: 61295

Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.4	65.0
119	32.9	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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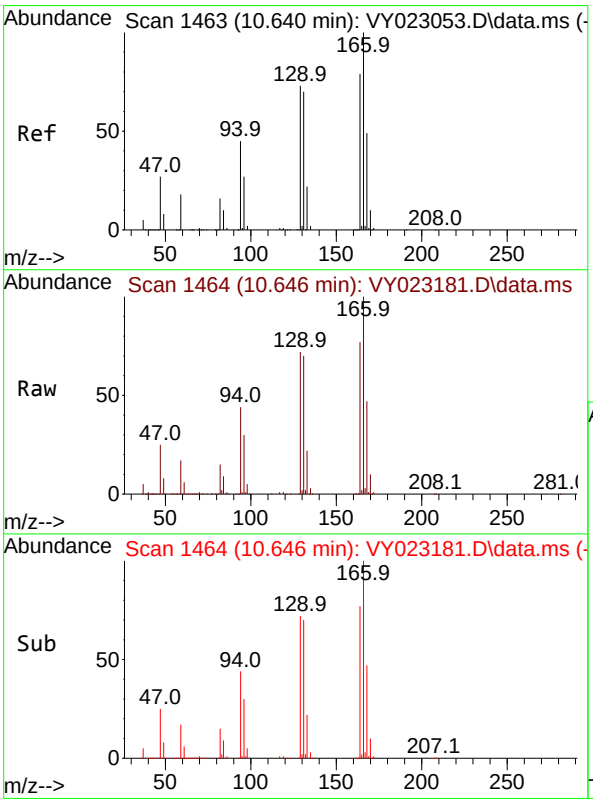
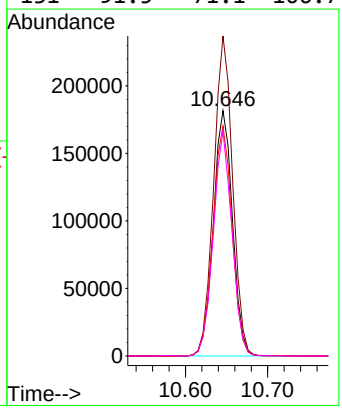
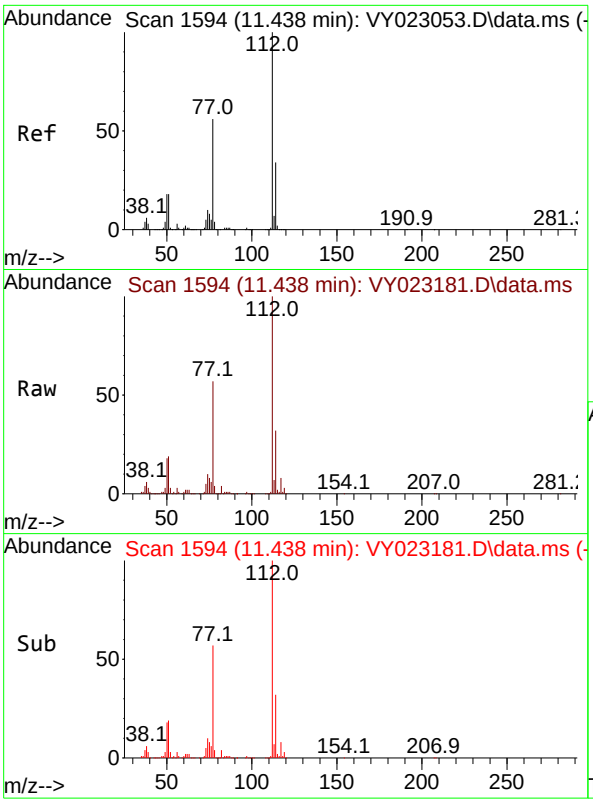


#64
Tetrachloroethene
Concen: 53.771 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:164 Resp: 294304

Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.1	151.7
129	93.6	74.0	111.0
131	91.5	71.1	106.7

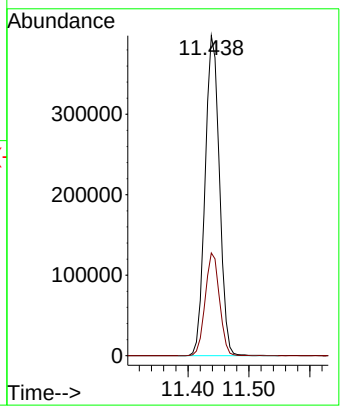




#65
Chlorobenzene
Concen: 49.109 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:112 Resp: 64930

Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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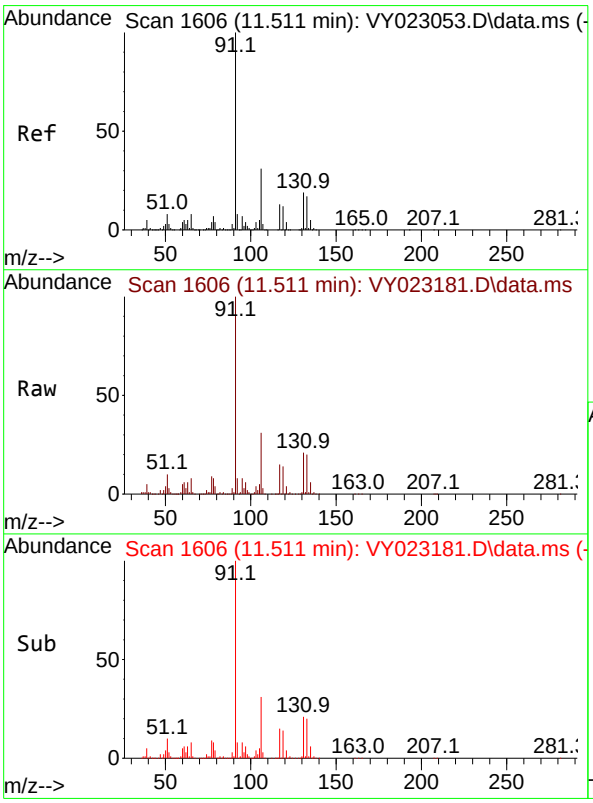
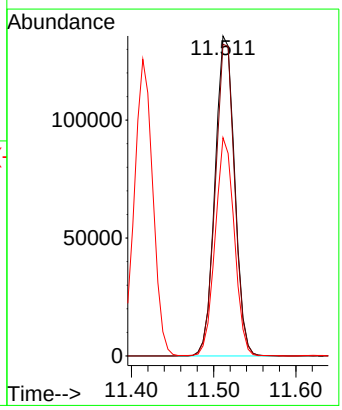
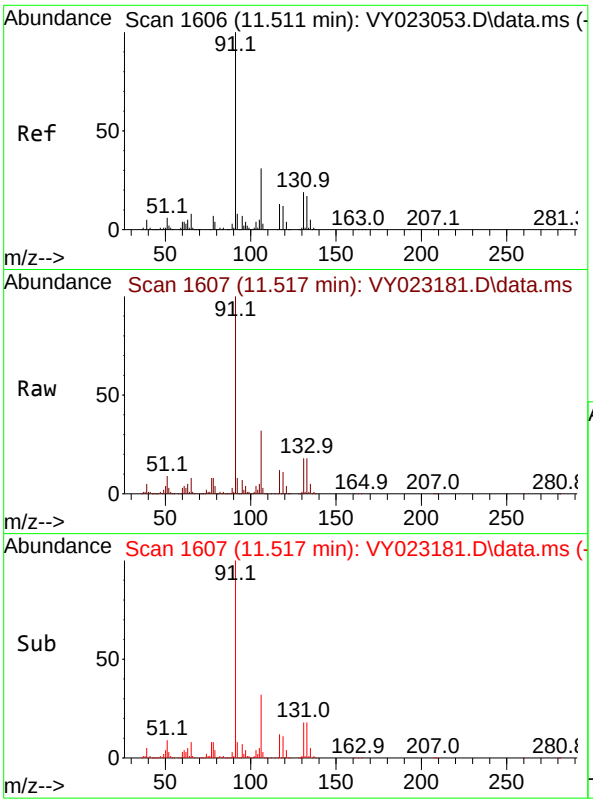


#66
1,1,1,2-Tetrachloroethane
Concen: 49.973 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:131 Resp: 224242

Ion	Ratio	Lower	Upper
131	100		
133	96.4	46.9	140.6
119	66.7	33.2	99.6

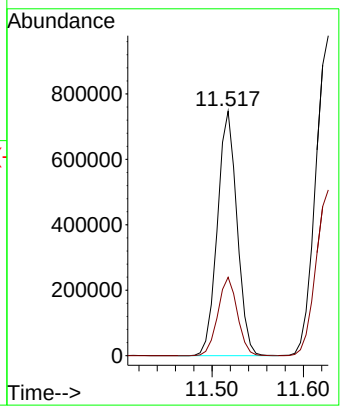




#67
Ethyl Benzene
Concen: 48.982 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 111448

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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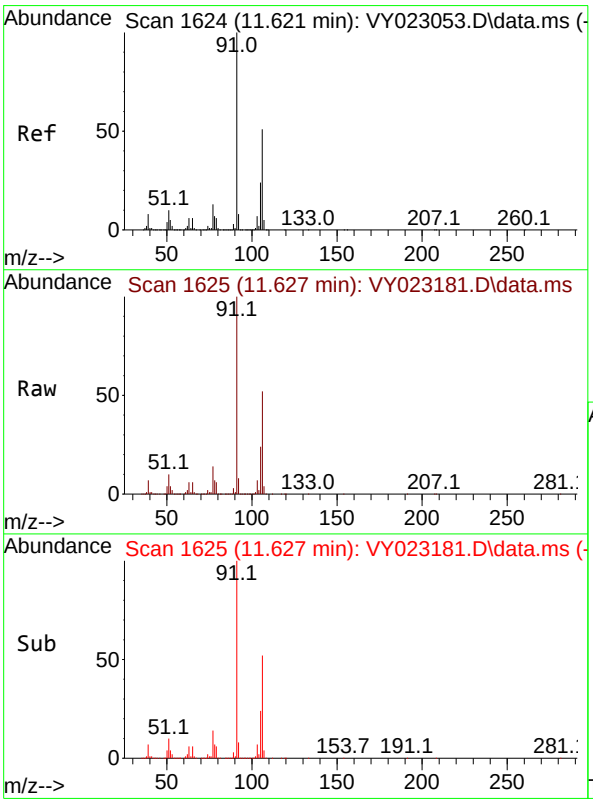
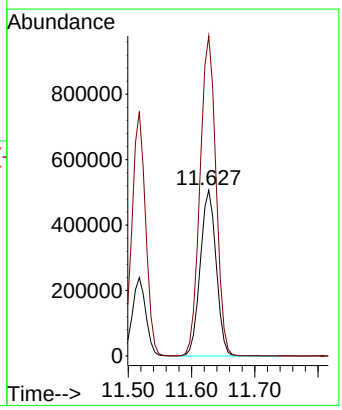
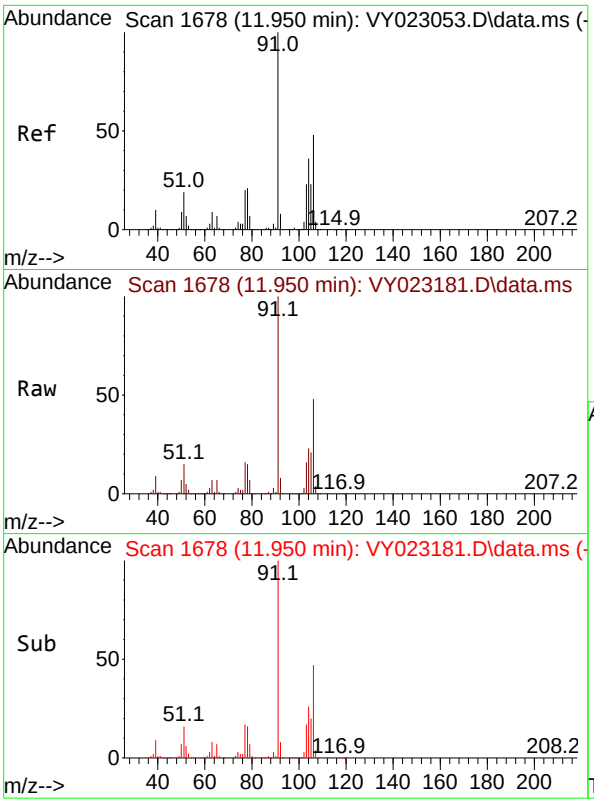


#68
m/p-Xylenes
Concen: 99.741 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:106 Resp: 886344

Ion	Ratio	Lower	Upper
106	100		
91	193.7	158.6	238.0





#69
o-Xylene
Concen: 49.995 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:106 Resp: 41610

Ion	Ratio	Lower	Upper
106	100		
91	206.0	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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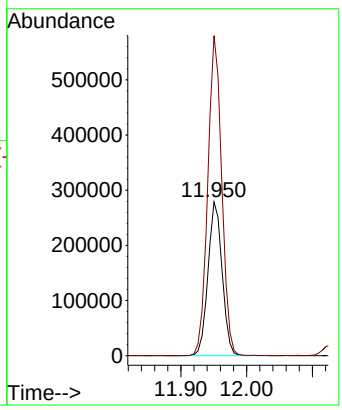
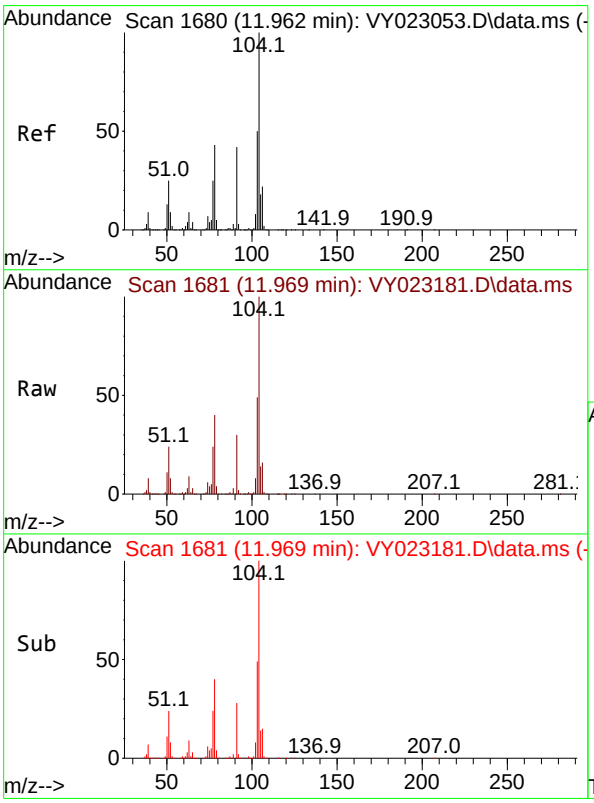
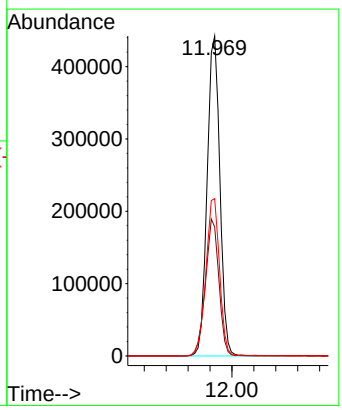


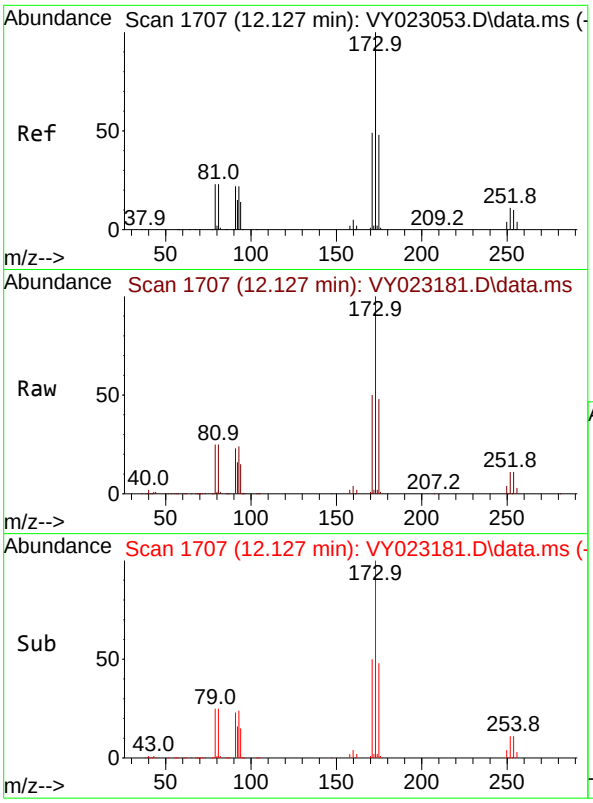


#70
Styrene
Concen: 52.202 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:104 Resp: 710534

Ion	Ratio	Lower	Upper
104	100		
78	45.3	38.5	57.7
103	52.9	43.7	65.5

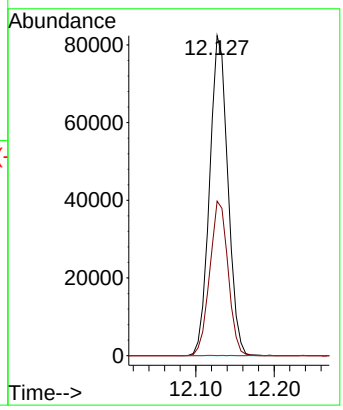




#71
Bromoform
Concen: 50.729 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:173 Resp: 13304

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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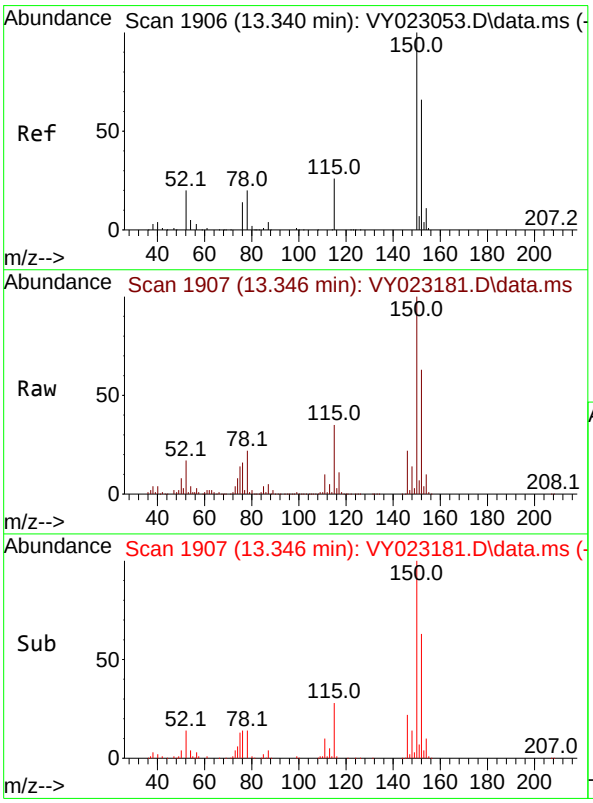
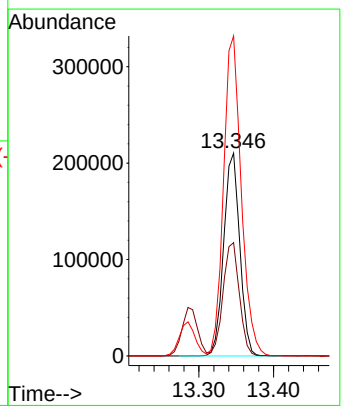
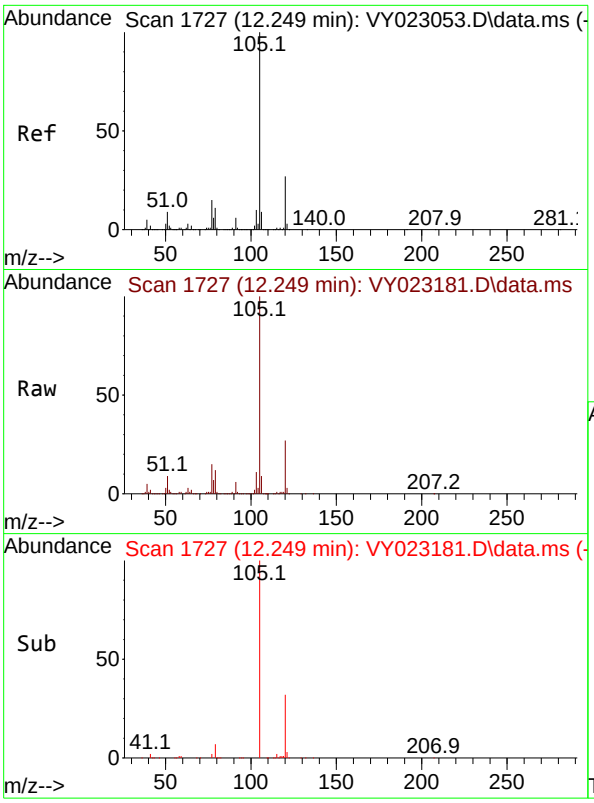


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:152 Resp: 314994

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.2	84.6
150	173.8	0.0	348.0

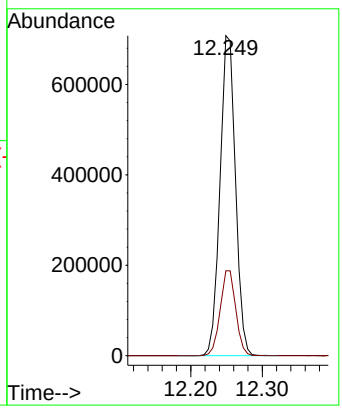




#73
Isopropylbenzene
Concen: 47.807 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:105 Resp: 106284

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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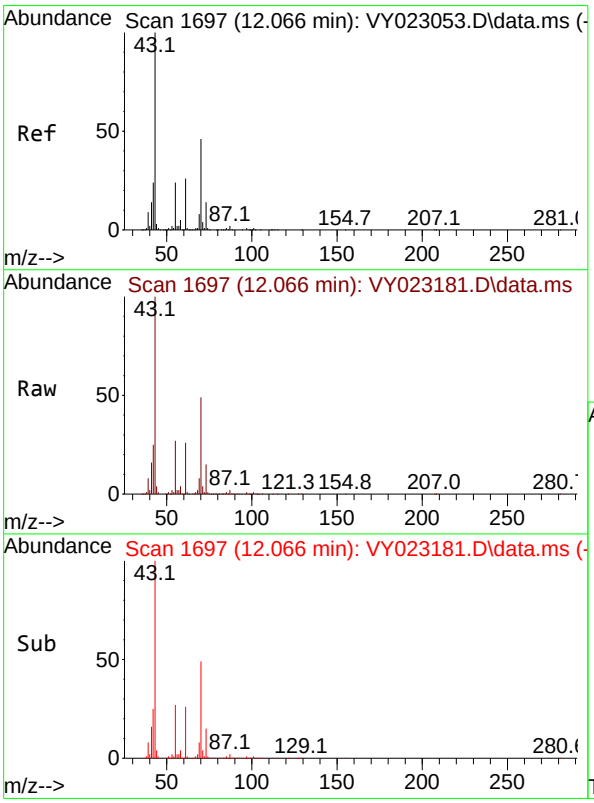
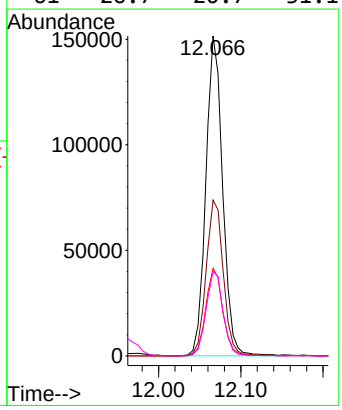
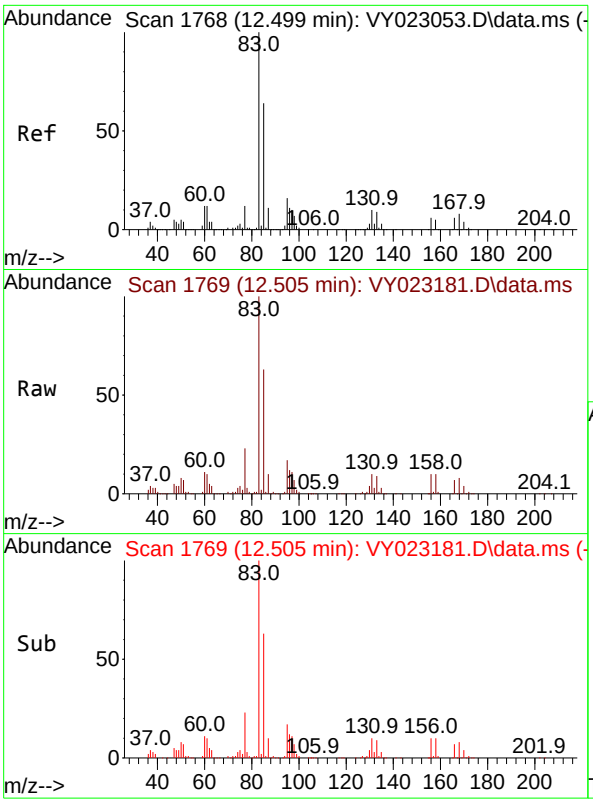


#74
N-amyl acetate
Concen: 45.570 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 214847

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.5	56.3
55	28.0	20.7	31.1
61	26.7	20.7	31.1

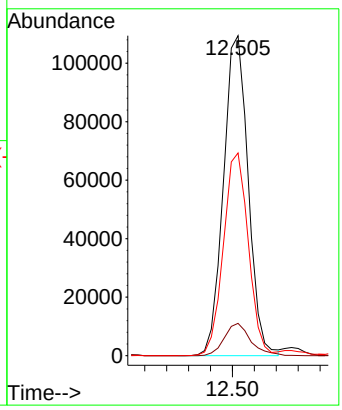




#75
1,1,2,2-Tetrachloroethane
Concen: 45.136 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 83 Resp: 17133

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	64.1	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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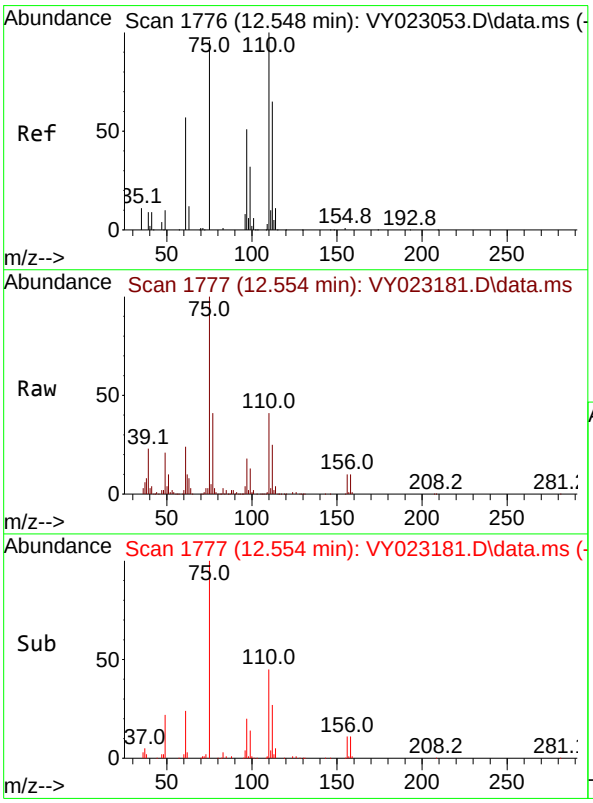
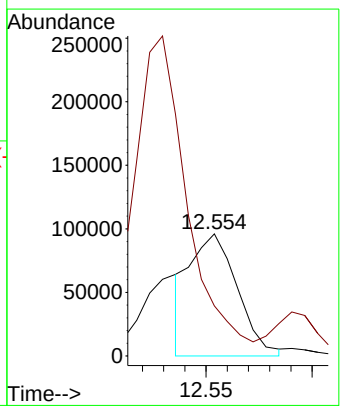
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

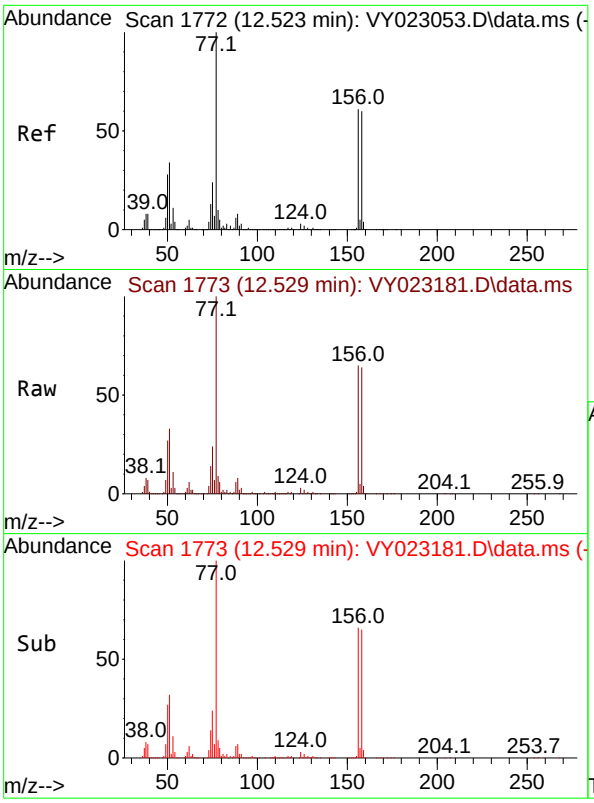


#76
1,2,3-Trichloropropane
Concen: 49.145 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 149402

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

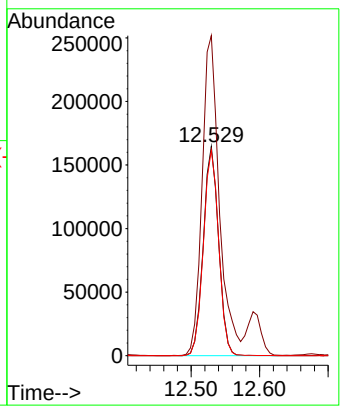




#77
Bromobenzene
Concen: 48.103 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:156 Resp: 25512

Ion	Ratio	Lower	Upper
156	100		
77	172.8	88.1	264.4
158	98.6	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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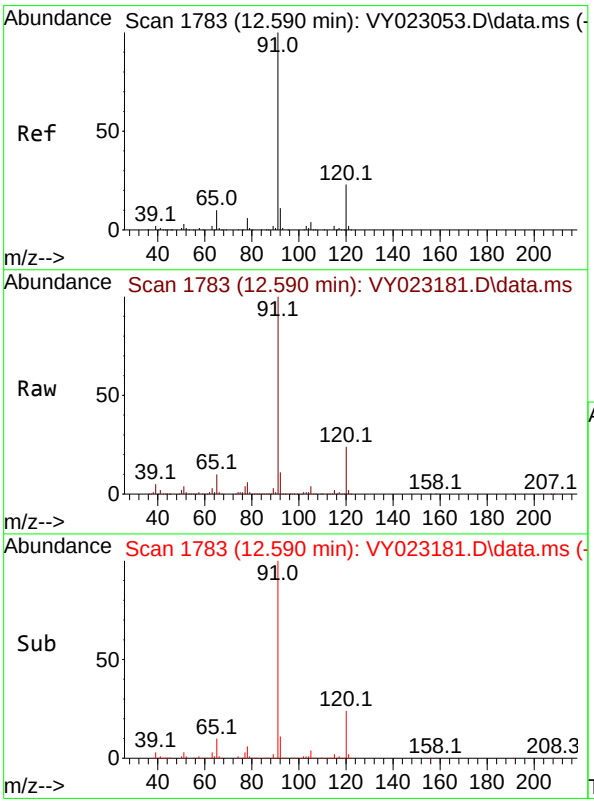
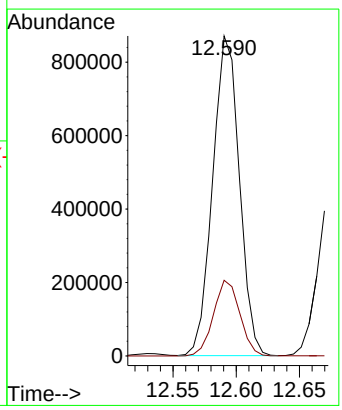
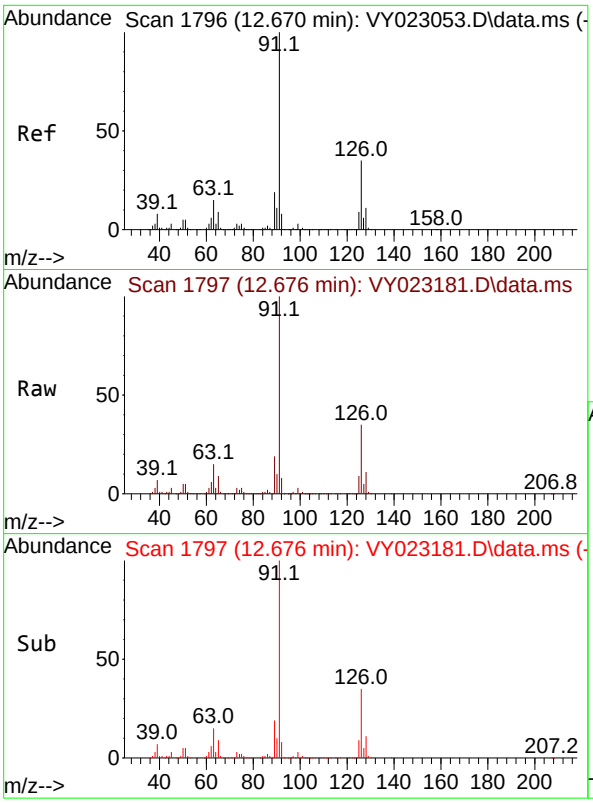


#78
n-propylbenzene
Concen: 48.193 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 1275610

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5

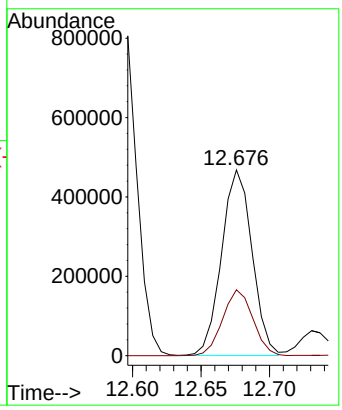




#79
2-Chlorotoluene
Concen: 47.740 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 72399

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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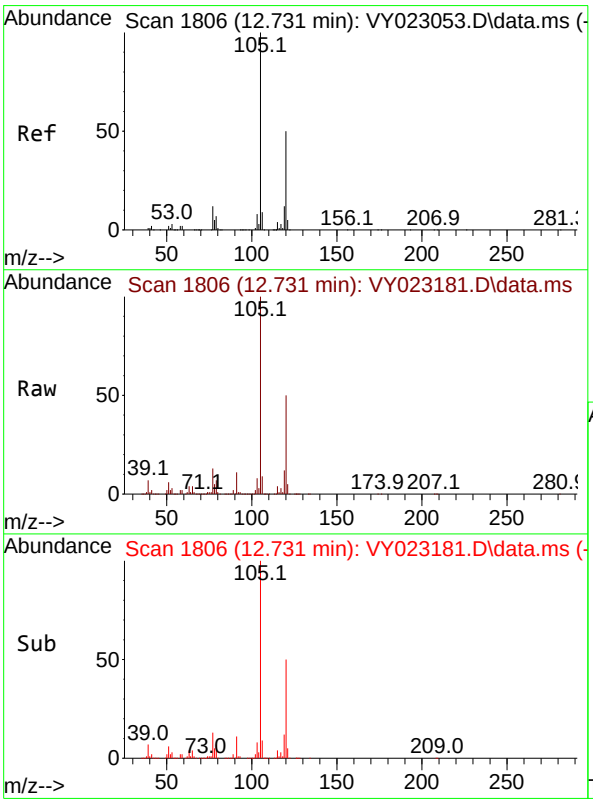
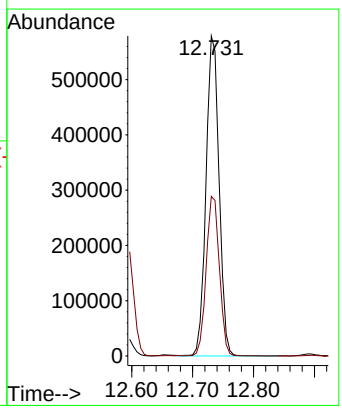
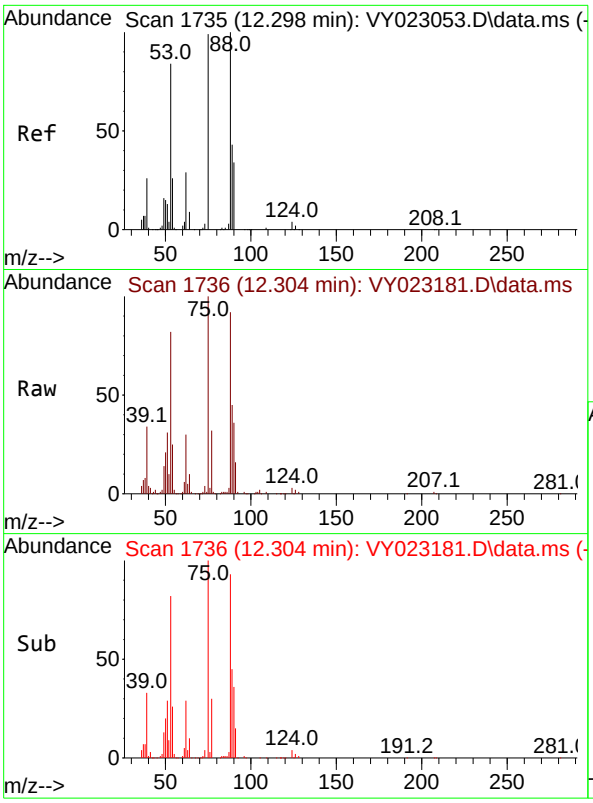


#80
1,3,5-Trimethylbenzene
Concen: 47.993 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:105 Resp: 862323

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 44.210 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 5552

Ion	Ratio	Lower	Upper
75	100		
53	86.2	70.8	106.2
89	46.1	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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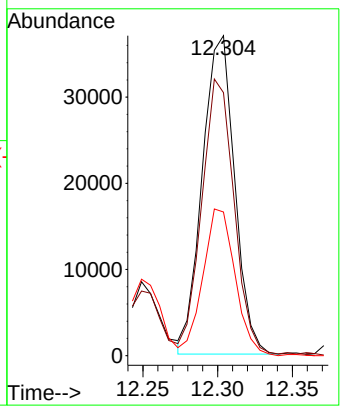
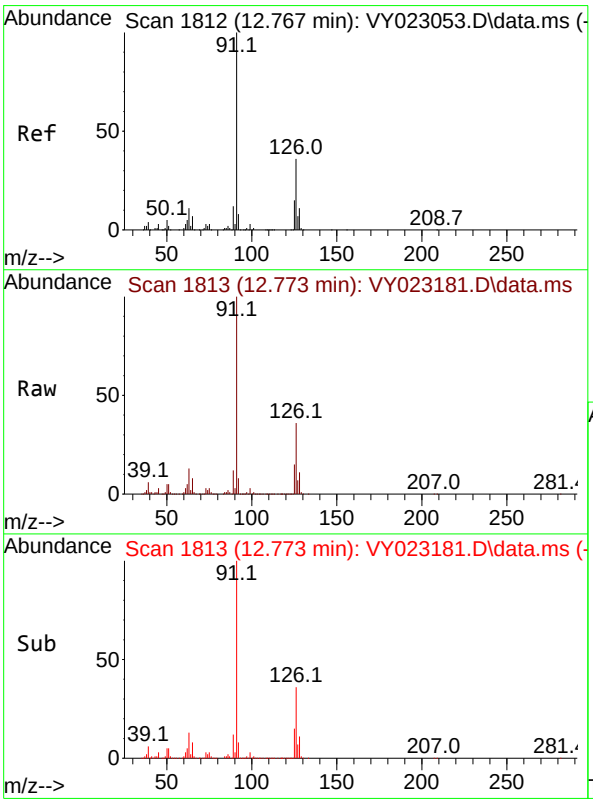
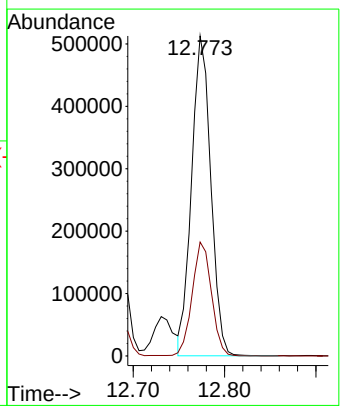


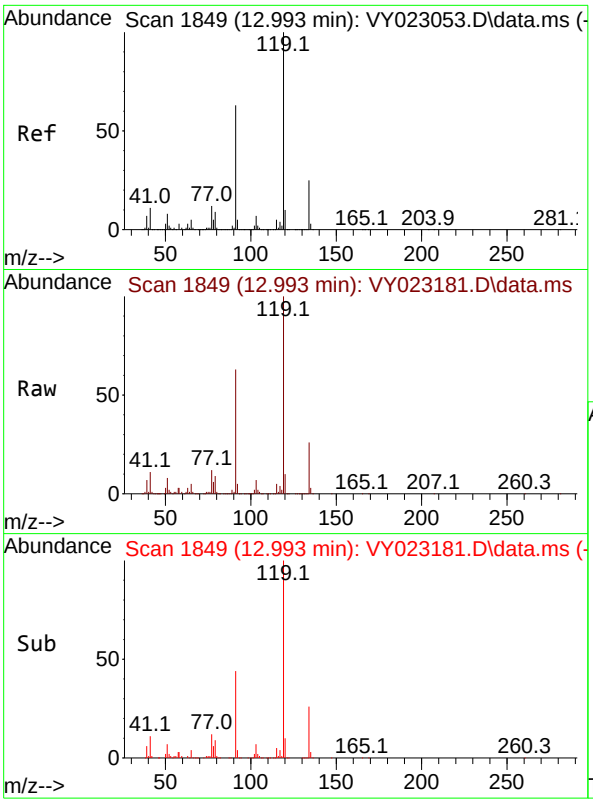


#82
4-Chlorotoluene
Concen: 47.598 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 748821

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.3	52.0





#83
tert-Butylbenzene
Concen: 48.102 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:119 Resp: 78059

Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	94.8
134	25.7	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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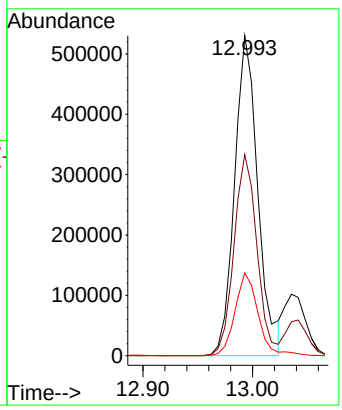
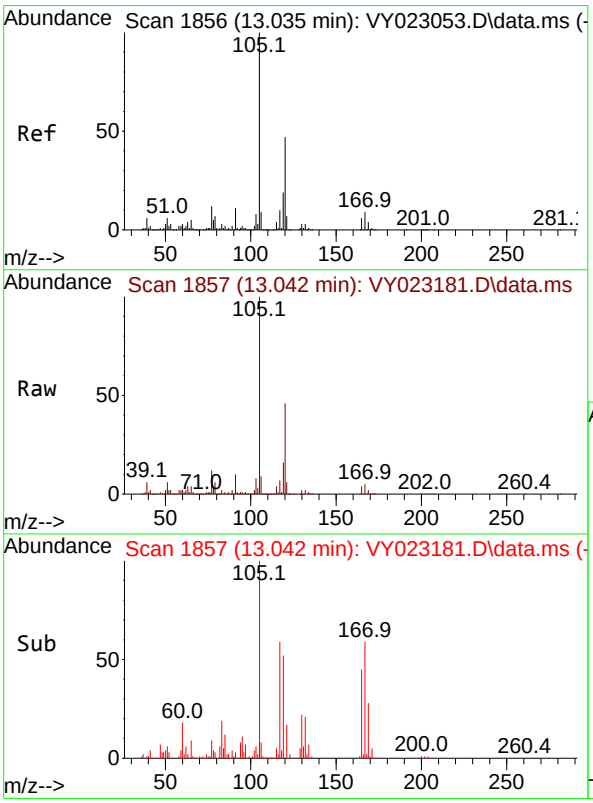
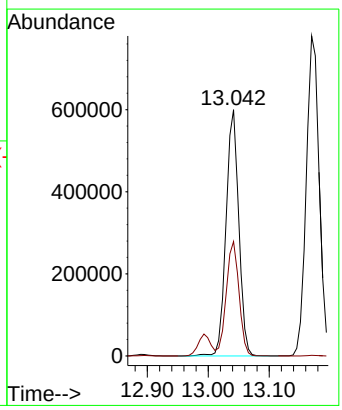


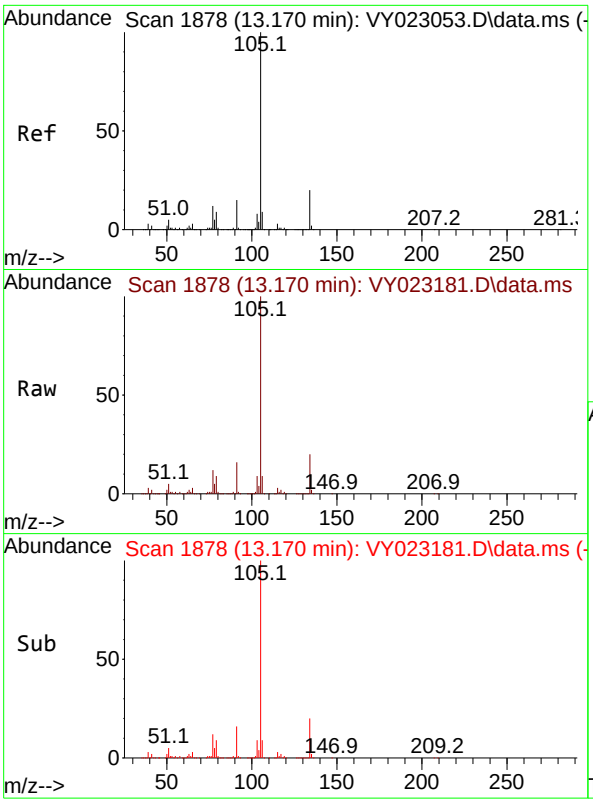


#84
1,2,4-Trimethylbenzene
Concen: 48.604 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:105 Resp: 869337

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0

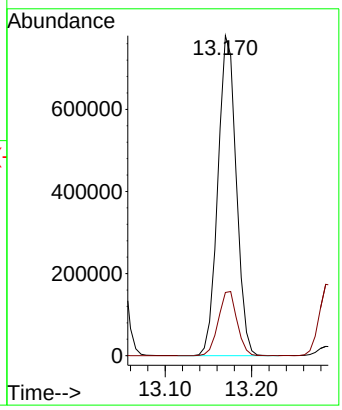




#85
sec-Butylbenzene
Concen: 48.148 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:105 Resp: 114777

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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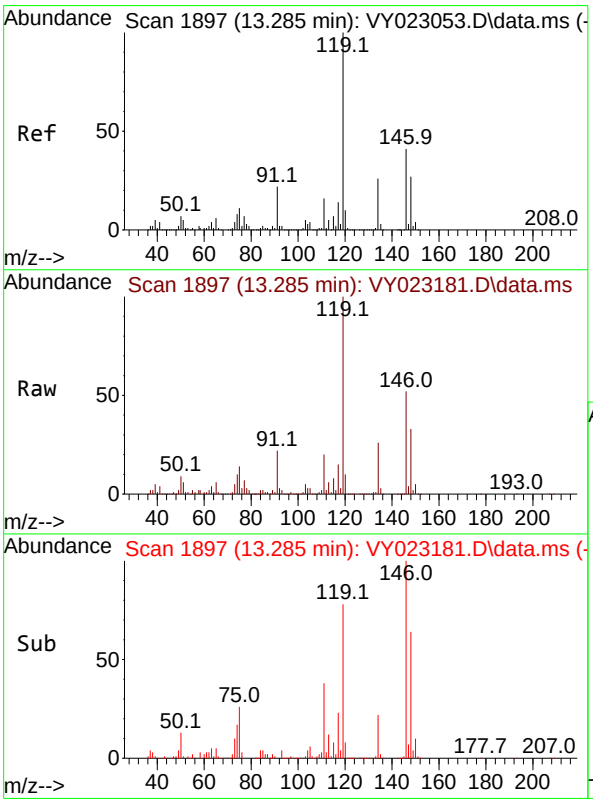
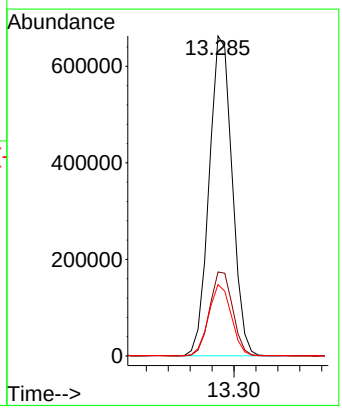
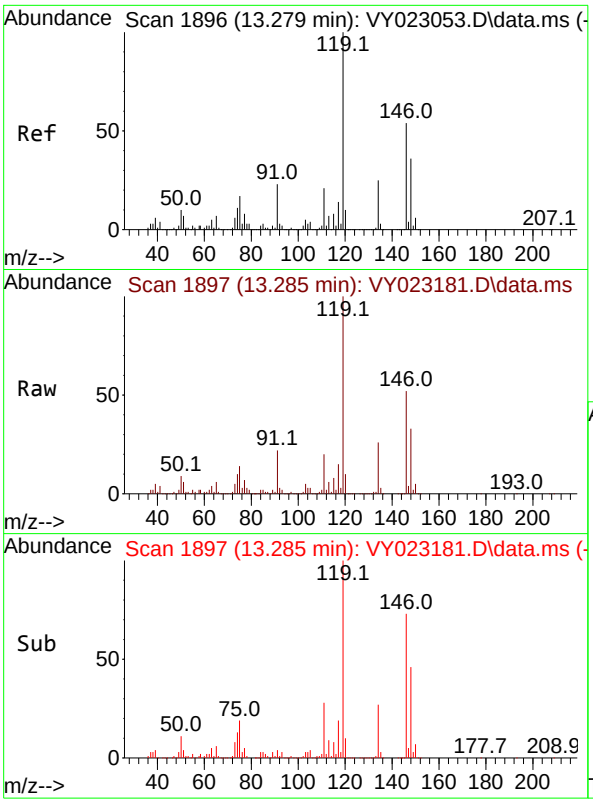


#86
p-Isopropyltoluene
Concen: 48.810 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:119 Resp: 965816

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	22.0	11.3	33.8

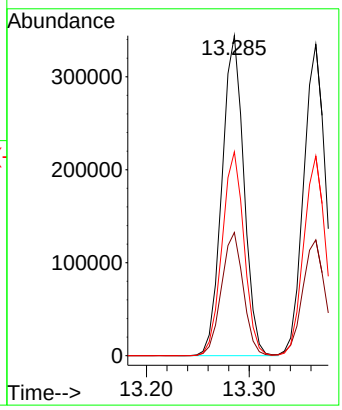




#87
1,3-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:146 Resp: 50893

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.9	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
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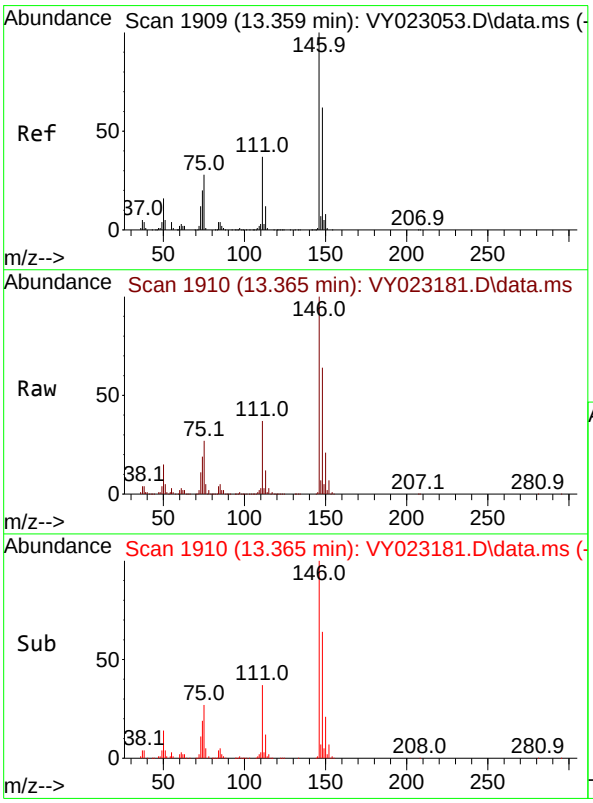
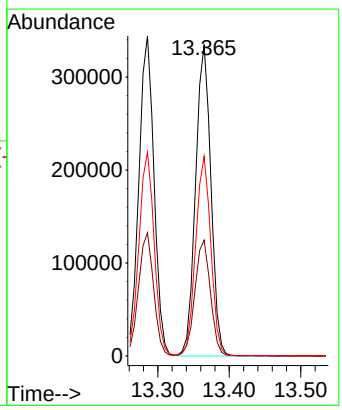
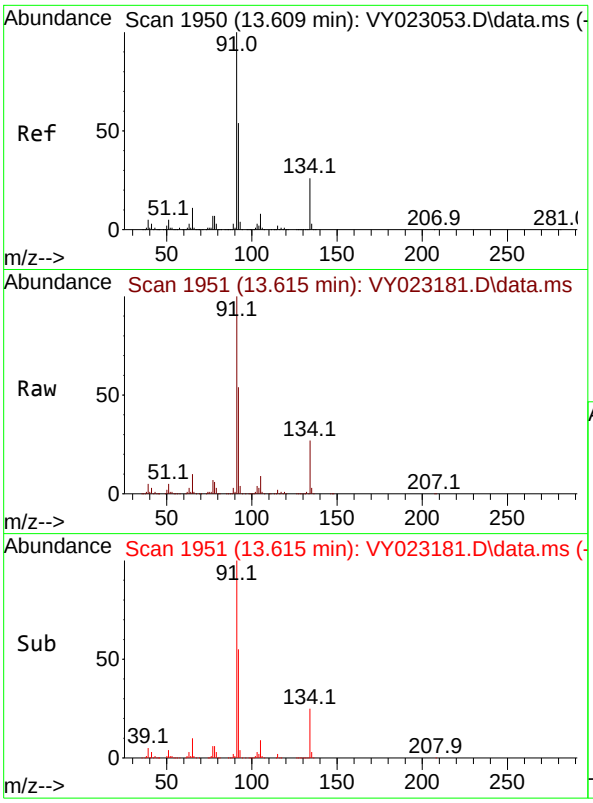


#88
1,4-Dichlorobenzene
Concen: 47.958 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:146 Resp: 497592

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.5	31.6	94.7

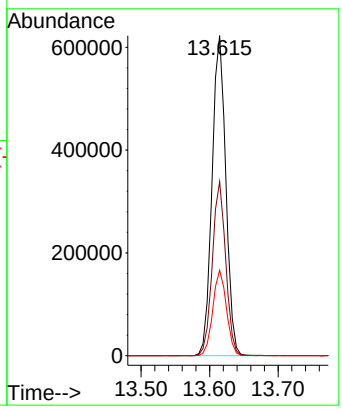




#89
n-Butylbenzene
Concen: 47.858 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 86974

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.7
134	26.5	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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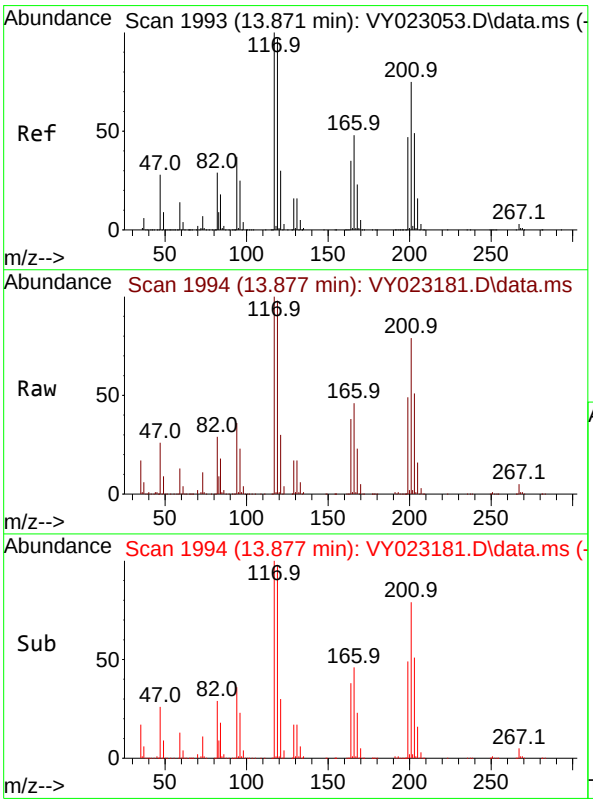
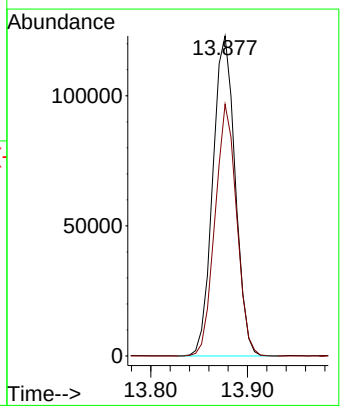
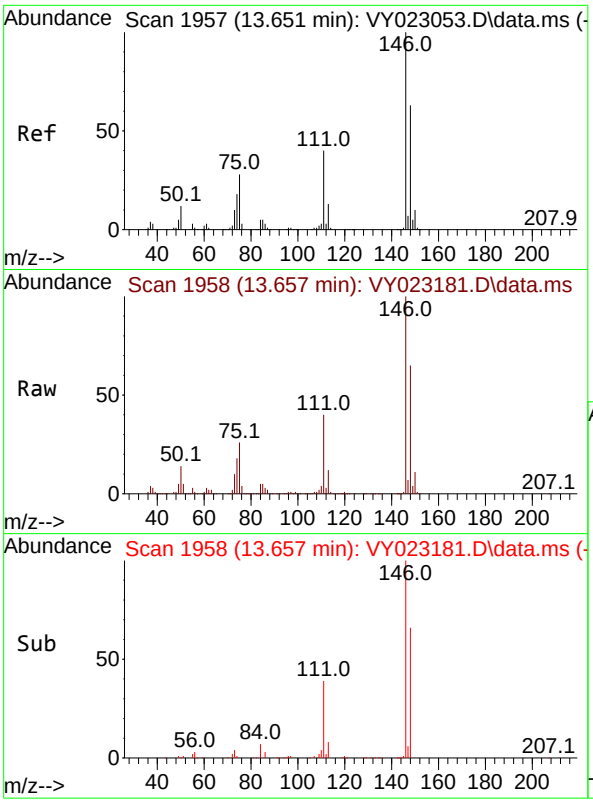


#90
Hexachloroethane
Concen: 48.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:117 Resp: 197634

Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.4	115.1

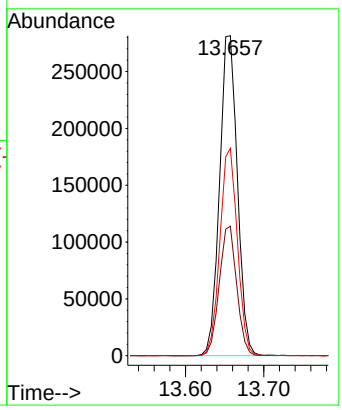




#91
1,2-Dichlorobenzene
Concen: 48.617 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:146 Resp: 44596

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	63.8	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
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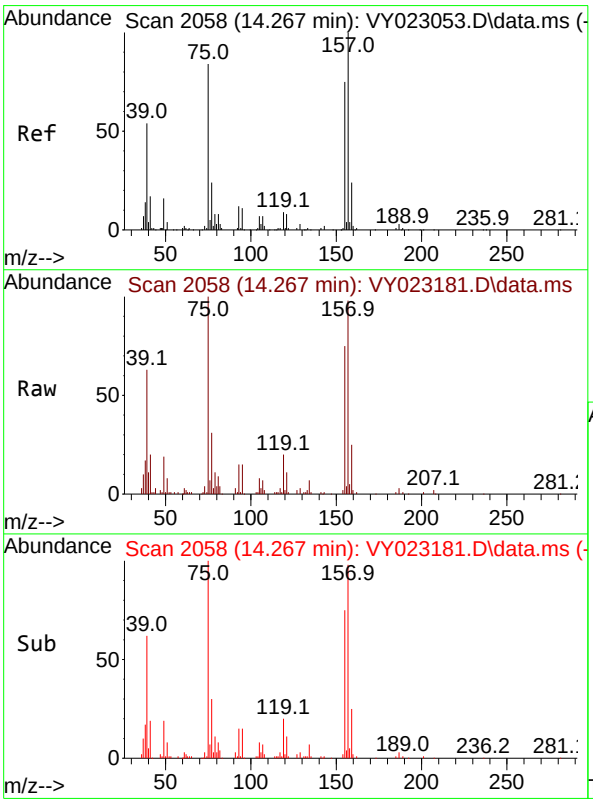
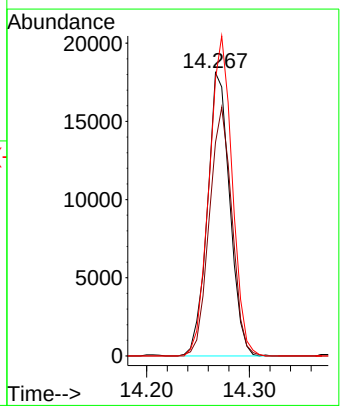
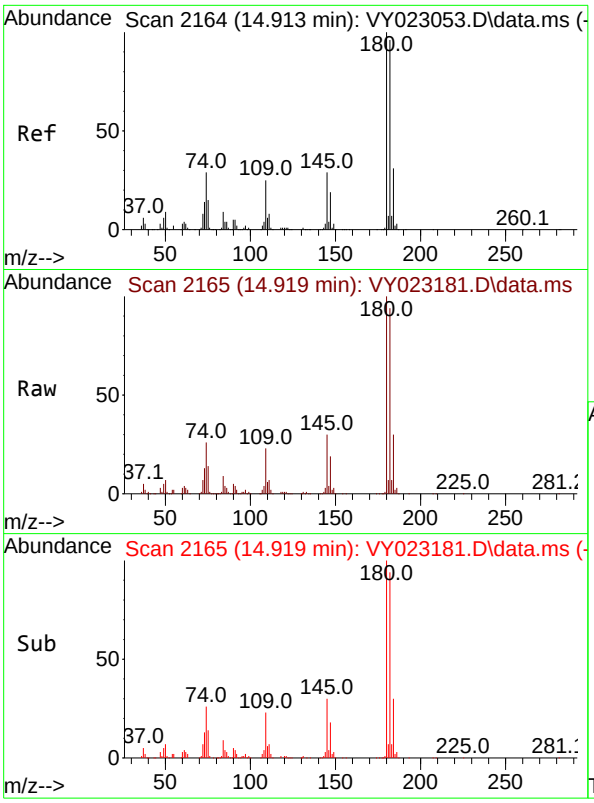


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.349 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 27394

Ion	Ratio	Lower	Upper
75	100		
155	88.4	43.9	131.6
157	116.2	57.2	171.6

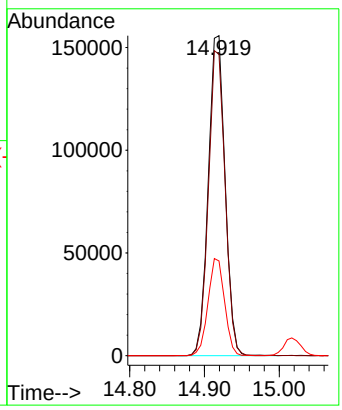




#93
1,2,4-Trichlorobenzene
Concen: 44.759 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:180 Resp: 24279

Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.4
145	30.0	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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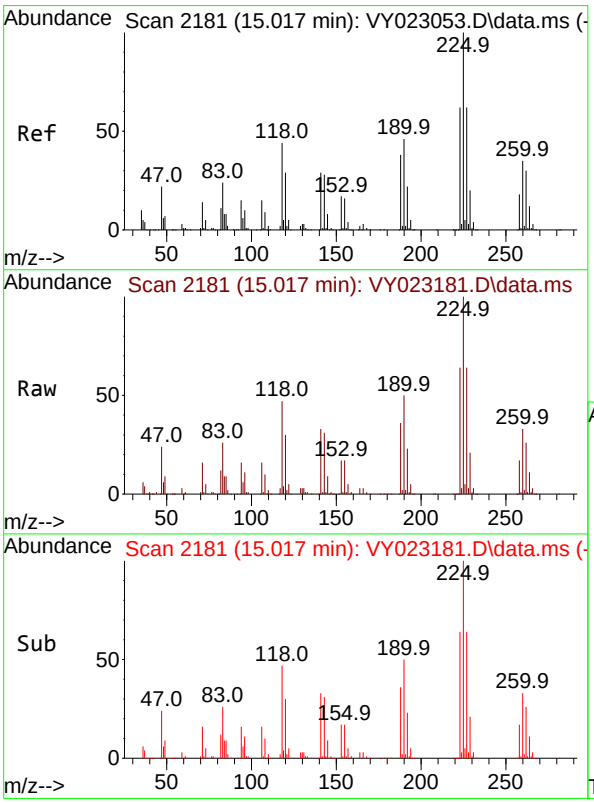
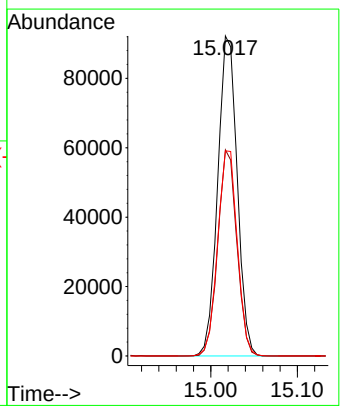
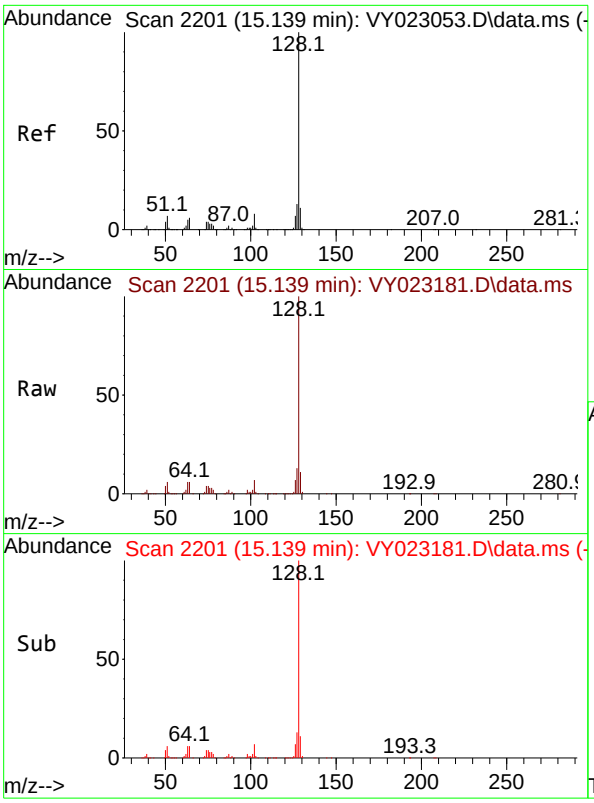


#94
Hexachlorobutadiene
Concen: 45.173 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:225 Resp: 143992

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	64.8	31.5	94.5

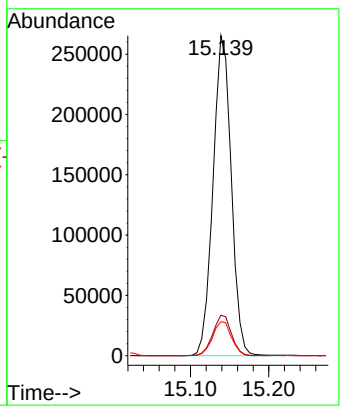




#95
Naphthalene
Concen: 46.397 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:128 Resp: 42915

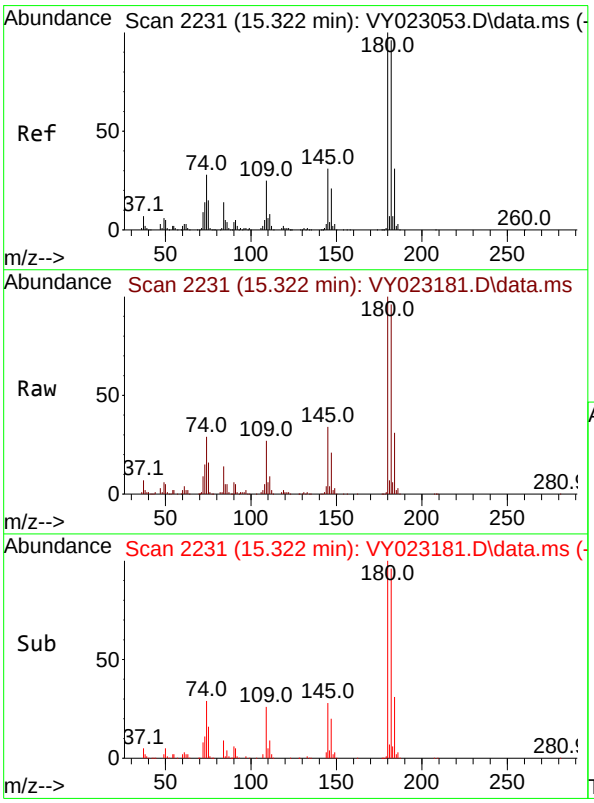
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

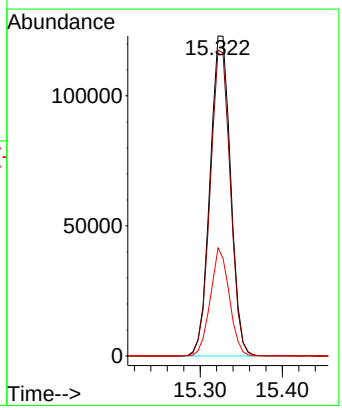
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.668 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:180 Resp: 213464

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	31.1	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.408	0.326	20.1	75	0.00
3	P	Chloromethane	0.661	0.605	8.5	80	0.00
4	C	Vinyl Chloride	0.817	0.783	4.2#	82	0.00
5	T	Bromomethane	0.610	0.612	-0.3	91	0.00
6	T	Chloroethane	0.543	0.549	-1.1	85	0.00
7	T	Trichlorofluoromethane	0.994	0.912	8.2	78	0.00
8	T	Diethyl Ether	0.263	0.241	8.4	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.490	0.458	6.5	79	0.00
10	T	Methyl Iodide	0.529	0.523	1.1	76	0.00
11	T	Tert butyl alcohol	0.033	0.029	12.1	73	0.00
12	CM	1,1-Dichloroethene	0.482	0.449	6.8#	78	0.00
13	T	Acrolein	0.048	0.021	56.3#	37#	0.00
14	T	Allyl chloride	0.709	0.626	11.7	73	0.00
15	T	Acrylonitrile	0.107	0.104	2.8	78	0.00
16	T	Acetone	0.103	0.082	20.4	64	0.00
17	T	Carbon Disulfide	1.571	1.408	10.4	76	0.00
18	T	Methyl Acetate	0.307	0.302	1.6	75	0.00
19	T	Methyl tert-butyl Ether	1.249	1.182	5.4	77	0.00
20	T	Methylene Chloride	0.620	0.517	16.6	81	0.01
21	T	trans-1,2-Dichloroethene	0.541	0.518	4.3	79	0.00
22	T	Diisopropyl ether	1.541	1.454	5.6	77	0.00
23	T	Vinyl Acetate	0.852	0.797	6.5	76	0.00
24	P	1,1-Dichloroethane	0.942	0.901	4.4	79	0.00
25	T	2-Butanone	0.140	0.126	10.0	71	0.00
26	T	2,2-Dichloropropane	0.813	0.721	11.3	73	0.00
27	T	cis-1,2-Dichloroethene	0.626	0.607	3.0	80	0.00
28	T	Bromochloromethane	0.374	0.378	-1.1	83	0.00
29	T	Tetrahydrofuran	0.087	0.083	4.6	76	0.00
30	C	Chloroform	0.971	0.960	1.1#	81	0.00
31	T	Cyclohexane	0.888	0.751	15.4	74	0.00
32	T	1,1,1-Trichloroethane	0.862	0.837	2.9	80	0.00
33	S	1,2-Dichloroethane-d4	0.477	0.467	2.1	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
35	S	Dibromofluoromethane	0.299	0.302	-1.0	82	0.00
36	T	1,1-Dichloropropene	0.445	0.424	4.7	78	0.00
37	T	Ethyl Acetate	0.187	0.181	3.2	77	0.00
38	T	Carbon Tetrachloride	0.483	0.466	3.5	79	0.00
39	T	Methylcyclohexane	0.586	0.544	7.2	76	0.00
40	TM	Benzene	1.370	1.355	1.1	81	0.00
41	T	Methacrylonitrile	0.108	0.092	14.8	67	0.00
42	TM	1,2-Dichloroethane	0.356	0.348	2.2	80	0.00
43	T	Isopropyl Acetate	0.378	0.357	5.6	76	0.00
44	TM	Trichloroethene	0.354	0.357	-0.8	83	0.00
45	C	1,2-Dichloropropane	0.315	0.313	0.6#	81	0.00
46	T	Dibromomethane	0.181	0.185	-2.2	82	0.00
47	T	Bromodichloromethane	0.466	0.470	-0.9	81	0.00
48	T	Methyl methacrylate	0.181	0.173	4.4	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	82	0.00
50	S	Toluene-d8	1.169	1.180	-0.9	82	0.00
51	T	4-Methyl-2-Pentanone	0.195	0.194	0.5	77	0.00
52	CM	Toluene	0.870	0.868	0.2#	80	0.00
53	T	t-1,3-Dichloropropene	0.422	0.407	3.6	77	0.00
54	T	cis-1,3-Dichloropropene	0.499	0.488	2.2	78	0.00
55	T	1,1,2-Trichloroethane	0.242	0.246	-1.7	82	0.00
56	T	Ethyl methacrylate	0.310	0.315	-1.6	78	0.00
57	T	1,3-Dichloropropane	0.411	0.411	0.0	81	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.163	-11.6	84	0.00
59	T	2-Hexanone	0.133	0.128	3.8	74	0.00
60	T	Dibromochloromethane	0.320	0.326	-1.9	82	0.00
61	T	1,2-Dibromoethane	0.228	0.230	-0.9	81	0.00
62	S	4-Bromofluorobenzene	0.376	0.374	0.5	80	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.446	0.480	-7.6	90	0.00
65	PM	Chlorobenzene	1.079	1.059	1.9	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.366	0.366	0.0	82	0.00
67	C	Ethyl Benzene	1.856	1.818	2.0#	80	0.00
68	T	m/p-Xylenes	0.725	0.723	0.3	82	0.00
69	T	o-Xylene	0.679	0.679	0.0	81	0.00
70	T	Styrene	1.110	1.159	-4.4	84	0.00
71	P	Bromoform	0.214	0.217	-1.4	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	3.529	3.374	4.4	80	0.00
74	T	N-amyl acetate	0.748	0.682	8.8	74	0.00
75	P	1,1,2,2-Tetrachloroethane	0.603	0.544	9.8	78	0.00
76	T	1,2,3-Trichloropropane	0.483	0.474	1.9	74	0.00
77	T	Bromobenzene	0.842	0.810	3.8	82	0.00
78	T	n-propylbenzene	4.201	4.050	3.6	80	0.00
79	T	2-Chlorotoluene	2.407	2.298	4.5	80	0.00
80	T	1,3,5-Trimethylbenzene	2.852	2.738	4.0	80	0.00
81	T	trans-1,4-Dichloro-2-butene	0.199	0.176	11.6	74	0.00
82	T	4-Chlorotoluene	2.497	2.377	4.8	80	0.00
83	T	tert-Butylbenzene	2.576	2.478	3.8	80	0.00
84	T	1,2,4-Trimethylbenzene	2.839	2.760	2.8	81	0.00
85	T	sec-Butylbenzene	3.784	3.644	3.7	81	0.00
86	T	p-Isopropyltoluene	3.141	3.066	2.4	81	0.00
87	T	1,3-Dichlorobenzene	1.660	1.616	2.7	84	0.00
88	T	1,4-Dichlorobenzene	1.647	1.580	4.1	82	0.00
89	T	n-Butylbenzene	2.885	2.761	4.3	79	0.00
90	T	Hexachloroethane	0.643	0.627	2.5	83	0.00
91	T	1,2-Dichlorobenzene	1.456	1.416	2.7	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.094	0.087	7.4	76	0.00
93	T	1,2,4-Trichlorobenzene	0.861	0.771	10.5	76	0.00
94	T	Hexachlorobutadiene	0.506	0.457	9.7	78	0.00
95	T	Naphthalene	1.468	1.362	7.2	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	0.742	0.678	8.6	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	39.978	20.0	75	0.00
3	P	Chloromethane	50.000	45.777	8.4	80	0.00
4	C	Vinyl Chloride	50.000	47.914	4.2#	82	0.00
5	T	Bromomethane	50.000	50.164	-0.3	91	0.00
6	T	Chloroethane	50.000	50.501	-1.0	85	0.00
7	T	Trichlorofluoromethane	50.000	45.916	8.2	78	0.00
8	T	Diethyl Ether	50.000	45.804	8.4	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.691	6.6	79	0.00
10	T	Methyl Iodide	50.000	49.483	1.0	76	0.00
11	T	Tert butyl alcohol	250.000	222.221	11.1	73	0.00
12	CM	1,1-Dichloroethene	50.000	46.619	6.8#	78	0.00
13	T	Acrolein	250.000	108.267	56.7#	37	0.00
14	T	Allyl chloride	50.000	44.128	11.7	73	0.00
15	T	Acrylonitrile	250.000	242.415	3.0	78	0.00
16	T	Acetone	250.000	199.376	20.2	64	0.00
17	T	Carbon Disulfide	50.000	44.811	10.4	76	0.00
18	T	Methyl Acetate	50.000	49.121	1.8	75	0.00
19	T	Methyl tert-butyl Ether	50.000	47.317	5.4	77	0.00
20	T	Methylene Chloride	50.000	48.063	3.9	81	0.01
21	T	trans-1,2-Dichloroethene	50.000	47.840	4.3	79	0.00
22	T	Diisopropyl ether	50.000	47.200	5.6	77	0.00
23	T	Vinyl Acetate	250.000	233.764	6.5	76	0.00
24	P	1,1-Dichloroethane	50.000	47.830	4.3	79	0.00
25	T	2-Butanone	250.000	224.910	10.0	71	0.00
26	T	2,2-Dichloropropane	50.000	44.329	11.3	73	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.491	3.0	80	0.00
28	T	Bromochloromethane	50.000	50.540	-1.1	83	0.00
29	T	Tetrahydrofuran	250.000	238.443	4.6	76	0.00
30	C	Chloroform	50.000	49.417	1.2#	81	0.00
31	T	Cyclohexane	50.000	42.328	15.3	74	0.00
32	T	1,1,1-Trichloroethane	50.000	48.569	2.9	80	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.047	1.9	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	80	0.00
35	S	Dibromofluoromethane	50.000	50.409	-0.8	82	0.00
36	T	1,1-Dichloropropene	50.000	47.687	4.6	78	0.00
37	T	Ethyl Acetate	50.000	48.438	3.1	77	0.00
38	T	Carbon Tetrachloride	50.000	48.256	3.5	79	0.00
39	T	Methylcyclohexane	50.000	46.445	7.1	76	0.00
40	TM	Benzene	50.000	49.434	1.1	81	0.00
41	T	Methacrylonitrile	50.000	42.710	14.6	67	0.00
42	TM	1,2-Dichloroethane	50.000	48.880	2.2	80	0.00
43	T	Isopropyl Acetate	50.000	47.349	5.3	76	0.00
44	TM	Trichloroethene	50.000	50.380	-0.8	83	0.00
45	C	1,2-Dichloropropane	50.000	49.651	0.7#	81	0.00
46	T	Dibromomethane	50.000	51.057	-2.1	82	0.00
47	T	Bromodichloromethane	50.000	50.434	-0.9	81	0.00
48	T	Methyl methacrylate	50.000	47.928	4.1	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 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	1025.325	-2.5	82	0.00
50	S	Toluene-d8	50.000	50.496	-1.0	82	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.855	0.5	77	0.00
52	CM	Toluene	50.000	49.880	0.2#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	48.297	3.4	77	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.898	2.2	78	0.00
55	T	1,1,2-Trichloroethane	50.000	50.825	-1.7	82	0.00
56	T	Ethyl methacrylate	50.000	50.756	-1.5	78	0.00
57	T	1,3-Dichloropropane	50.000	50.056	-0.1	81	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.196	-11.3	84	0.00
59	T	2-Hexanone	250.000	240.731	3.7	74	0.00
60	T	Dibromochloromethane	50.000	50.987	-2.0	82	0.00
61	T	1,2-Dibromoethane	50.000	50.486	-1.0	81	0.00
62	S	4-Bromofluorobenzene	50.000	49.709	0.6	80	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	53.771	-7.5	90	0.00
65	PM	Chlorobenzene	50.000	49.109	1.8	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.973	0.1	82	0.00
67	C	Ethyl Benzene	50.000	48.982	2.0#	80	0.00
68	T	m/p-Xylenes	100.000	99.741	0.3	82	0.00
69	T	o-Xylene	50.000	49.995	0.0	81	0.00
70	T	Styrene	50.000	52.202	-4.4	84	0.00
71	P	Bromoform	50.000	50.729	-1.5	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	47.807	4.4	80	0.00
74	T	N-amyl acetate	50.000	45.570	8.9	74	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.136	9.7	78	0.00
76	T	1,2,3-Trichloropropane	50.000	49.145	1.7	74	0.00
77	T	Bromobenzene	50.000	48.103	3.8	82	0.00
78	T	n-propylbenzene	50.000	48.193	3.6	80	0.00
79	T	2-Chlorotoluene	50.000	47.740	4.5	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.993	4.0	80	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.210	11.6	74	0.00
82	T	4-Chlorotoluene	50.000	47.598	4.8	80	0.00
83	T	tert-Butylbenzene	50.000	48.102	3.8	80	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.604	2.8	81	0.00
85	T	sec-Butylbenzene	50.000	48.148	3.7	81	0.00
86	T	p-Isopropyltoluene	50.000	48.810	2.4	81	0.00
87	T	1,3-Dichlorobenzene	50.000	48.659	2.7	84	0.00
88	T	1,4-Dichlorobenzene	50.000	47.958	4.1	82	0.00
89	T	n-Butylbenzene	50.000	47.858	4.3	79	0.00
90	T	Hexachloroethane	50.000	48.791	2.4	83	0.00
91	T	1,2-Dichlorobenzene	50.000	48.617	2.8	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.349	7.3	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.759	10.5	76	0.00
94	T	Hexachlorobutadiene	50.000	45.173	9.7	78	0.00
95	T	Naphthalene	50.000	46.397	7.2	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.668	8.7	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

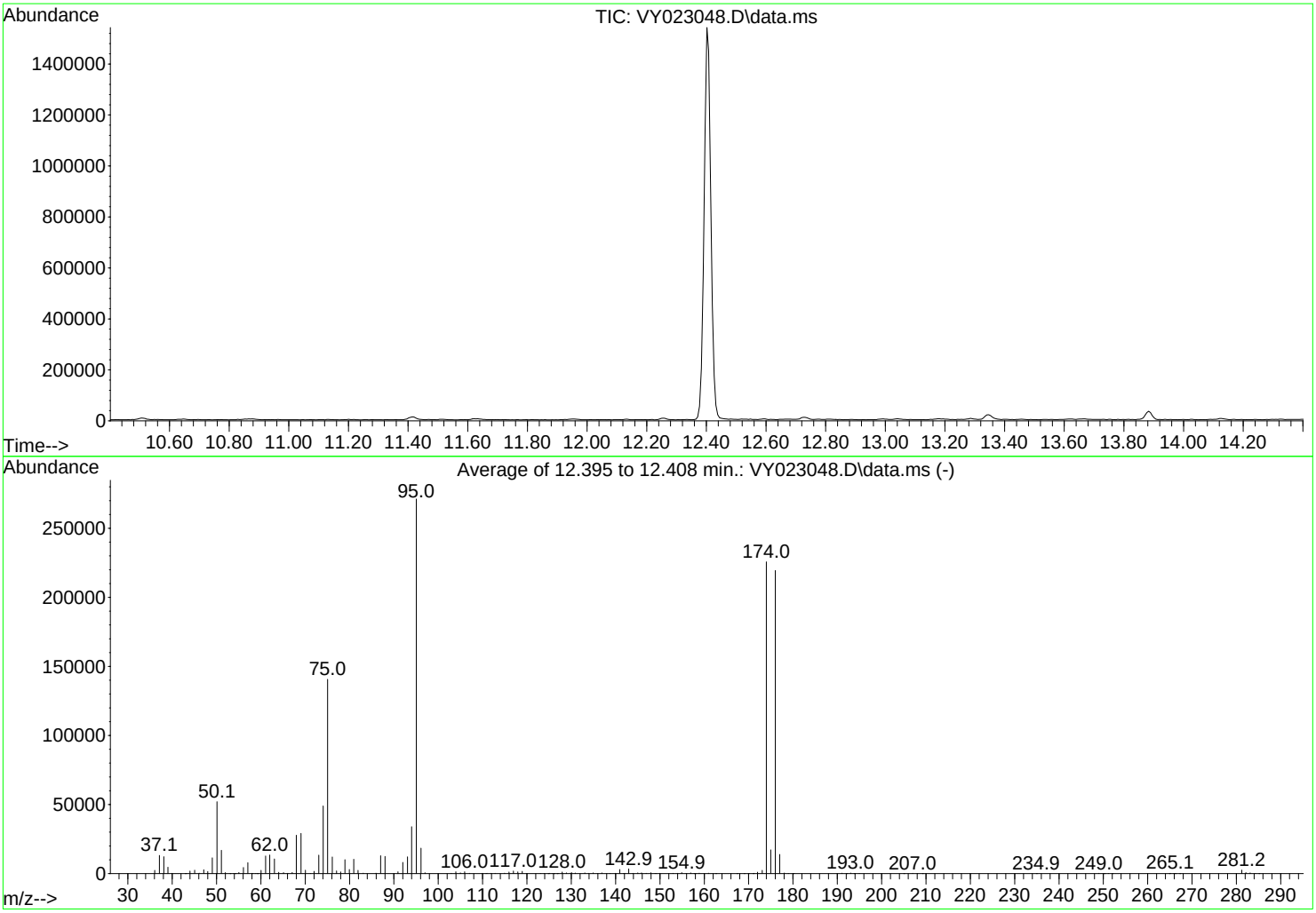
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023048.D
Acq On : 12 Aug 2025 08:26
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\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025



AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1743

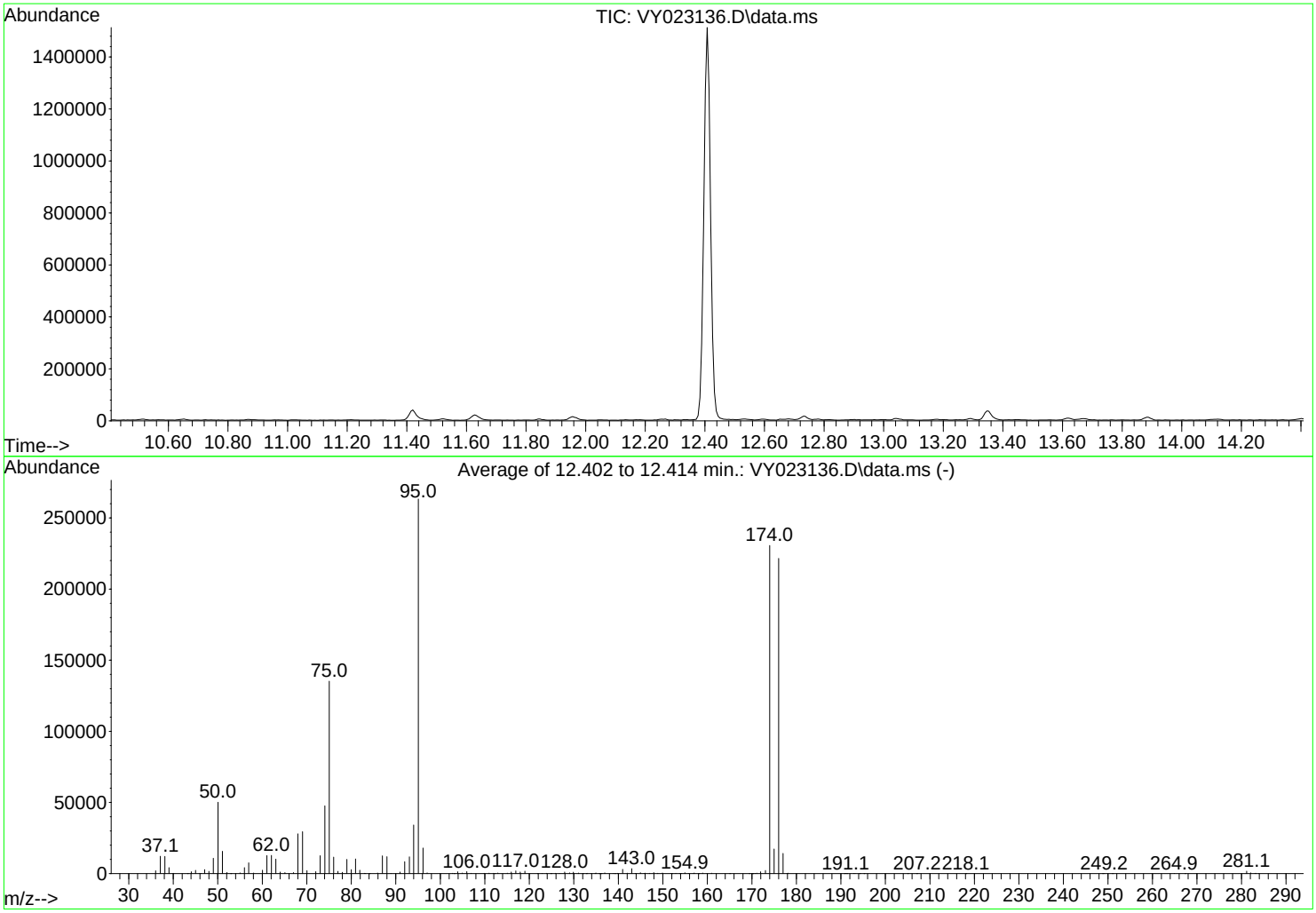
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	52107	PASS
75	95	30	60	51.9	140677	PASS
95	95	100	100	100.0	271211	PASS
96	95	5	9	6.8	18415	PASS
173	174	0.00	2	1.1	2383	PASS
174	95	50	100	83.2	225707	PASS
175	174	5	9	7.6	17158	PASS
176	174	95	101	97.2	219435	PASS
177	176	5	9	6.4	13937	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023136.D
Acq On : 19 Aug 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1742

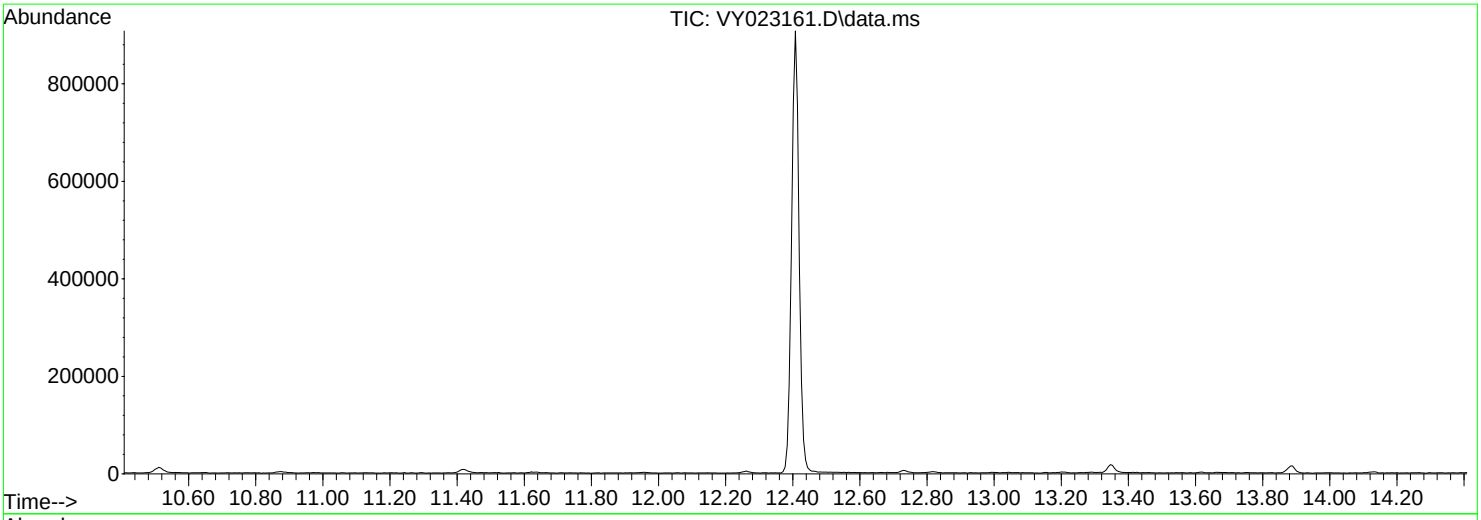
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	50171	PASS
75	95	30	60	51.4	135277	PASS
95	95	100	100	100.0	263317	PASS
96	95	5	9	6.8	17949	PASS
173	174	0.00	2	1.0	2231	PASS
174	95	50	100	87.6	230592	PASS
175	174	5	9	7.5	17273	PASS
176	174	95	101	96.1	221525	PASS
177	176	5	9	6.4	14202	PASS

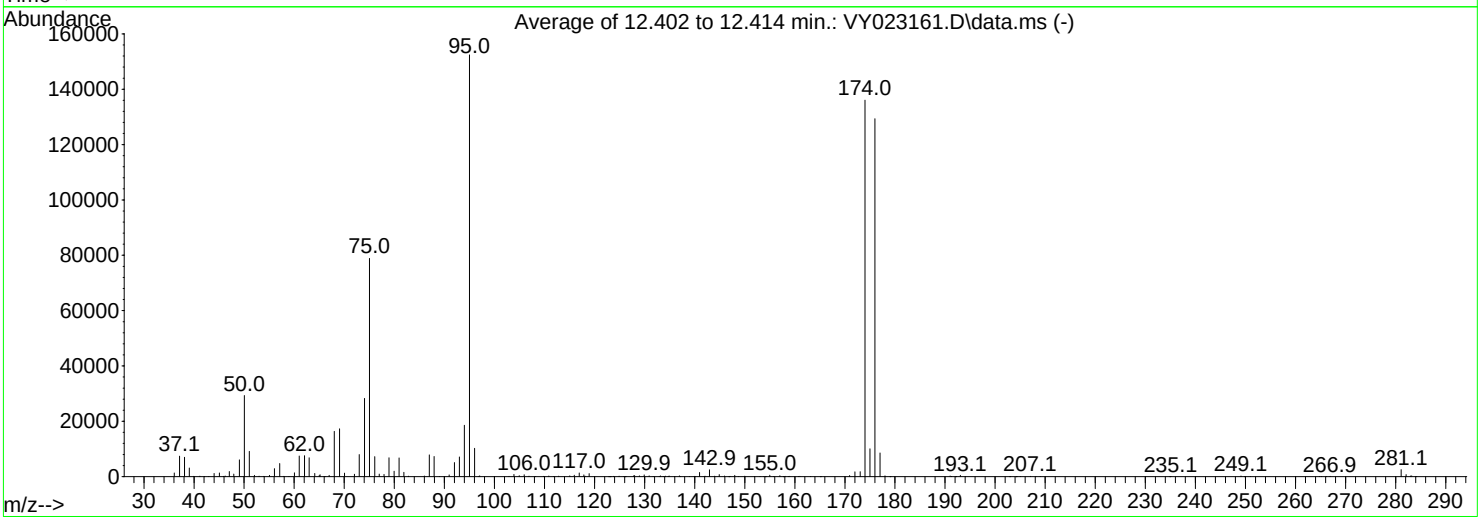
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023161.D
Acq On : 20 Aug 2025 07:55
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	29317	PASS
75	95	30	60	51.7	78880	PASS
95	95	100	100	100.0	152427	PASS
96	95	5	9	6.7	10266	PASS
173	174	0.00	2	1.3	1813	PASS
174	95	50	100	89.3	136043	PASS
175	174	5	9	7.4	10066	PASS
176	174	95	101	95.1	129325	PASS
177	176	5	9	6.6	8547	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:	VY0819SBL01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBL01	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:	Date Analyzed	Prep Batch ID
VY023138.D	1	08/19/25 09:49	VY081925

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0819SBL01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBL01	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:	Date Analyzed	Prep Batch ID
VY023138.D	1	08/19/25 09:49	VY081925

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:	VY0819SBL01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBL01	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:	Date Analyzed	Prep Batch ID
VY023138.D	1	08/19/25 09:49	VY081925

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	53.4		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.3		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	658000	7.713				
540-36-3	1,4-Difluorobenzene	1190000	8.616				
3114-55-4	Chlorobenzene-d5	1100000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	445000	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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Time: Aug 20 01:24:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

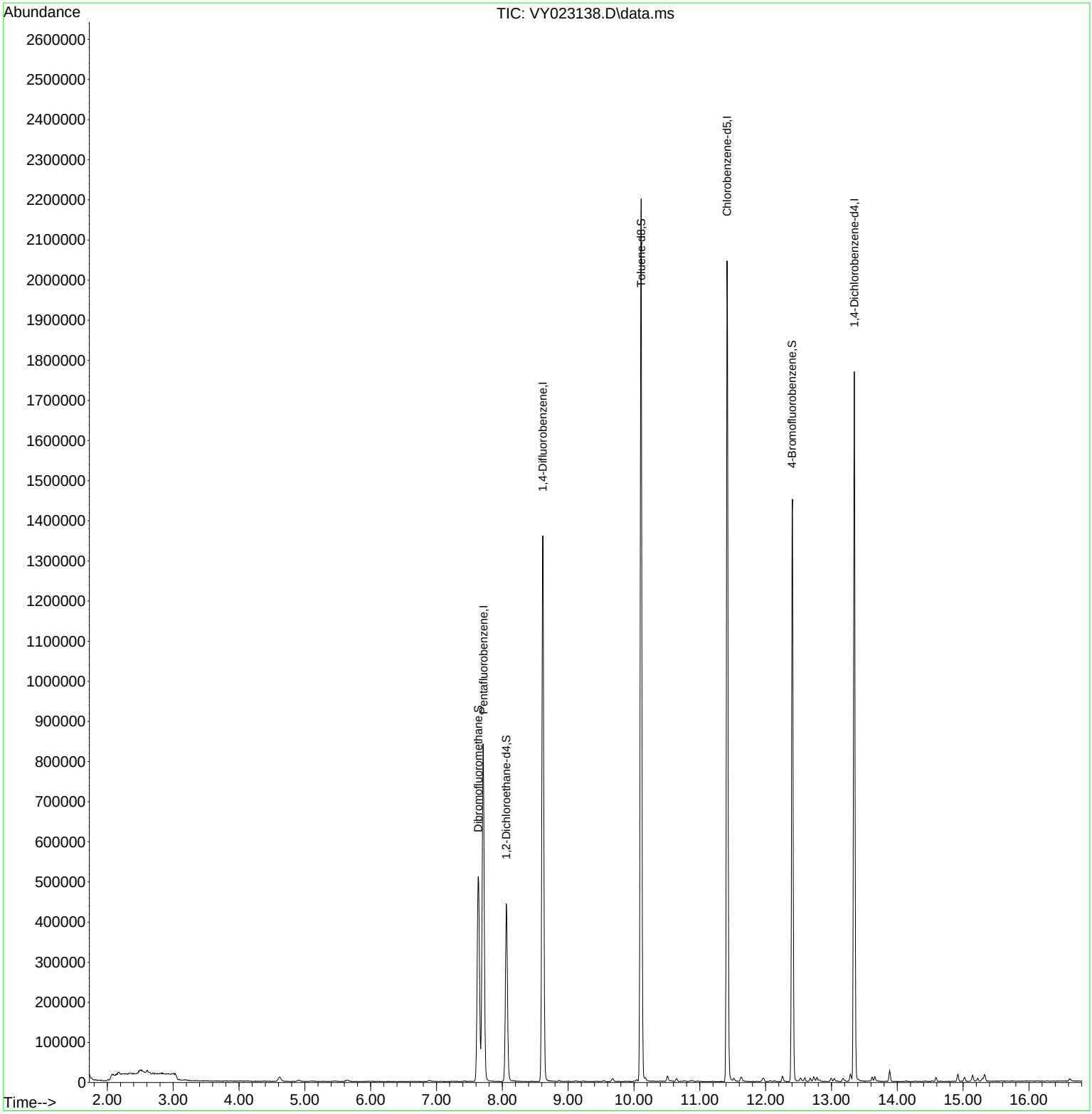
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	658468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1194271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1104701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	444569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	335313	53.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.860%			
35) Dibromofluoromethane	7.634	113	374747	52.441	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.880%			
50) Toluene-d8	10.109	98	1432079	51.298	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.402	95	444143	49.470	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.940%			
Target Compounds						Qvalue

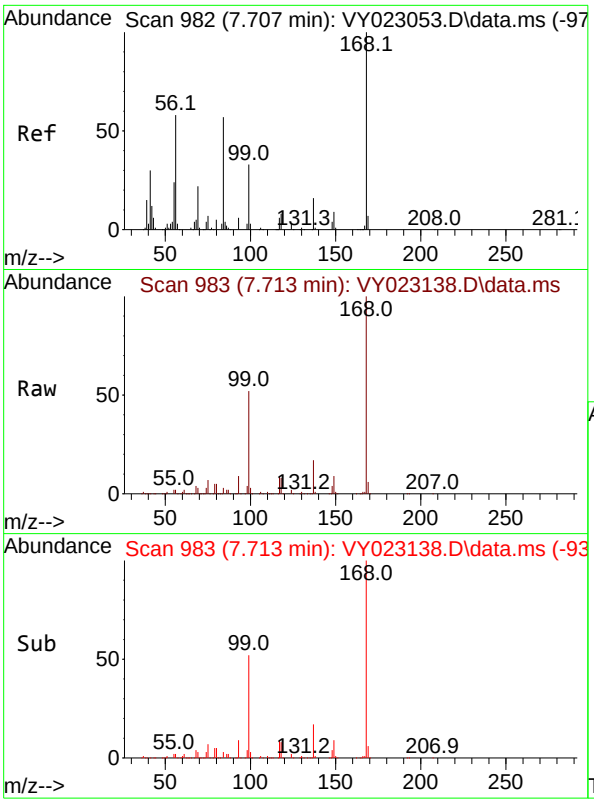
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Time: Aug 20 01:24:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



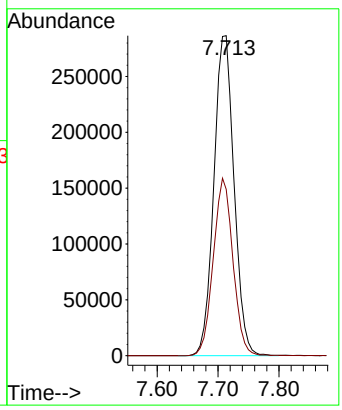


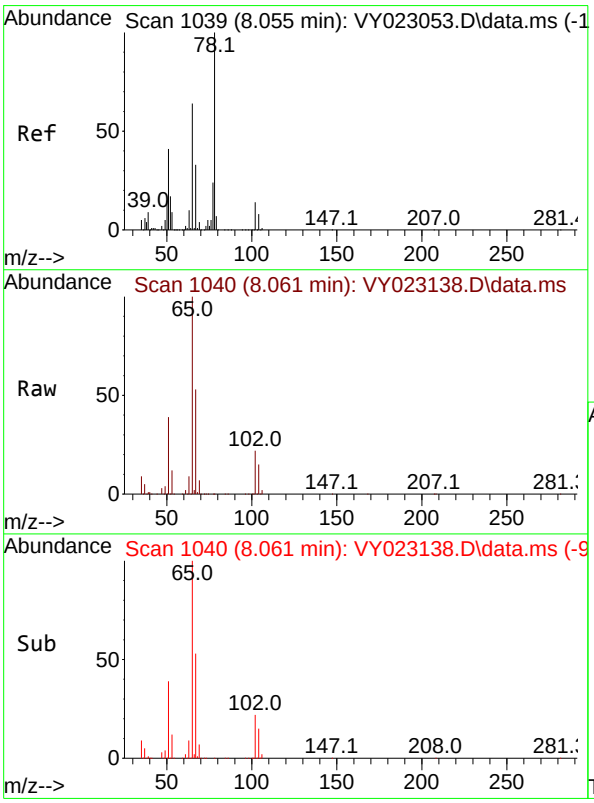
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion:168 Resp: 658468

Ion	Ratio	Lower	Upper
168	100		
99	52.0	42.8	64.2

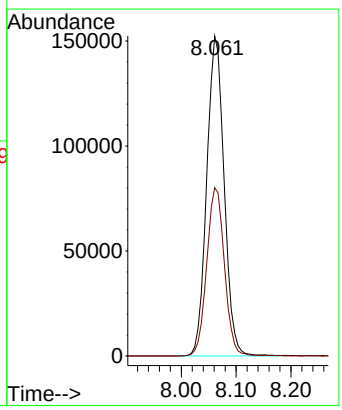


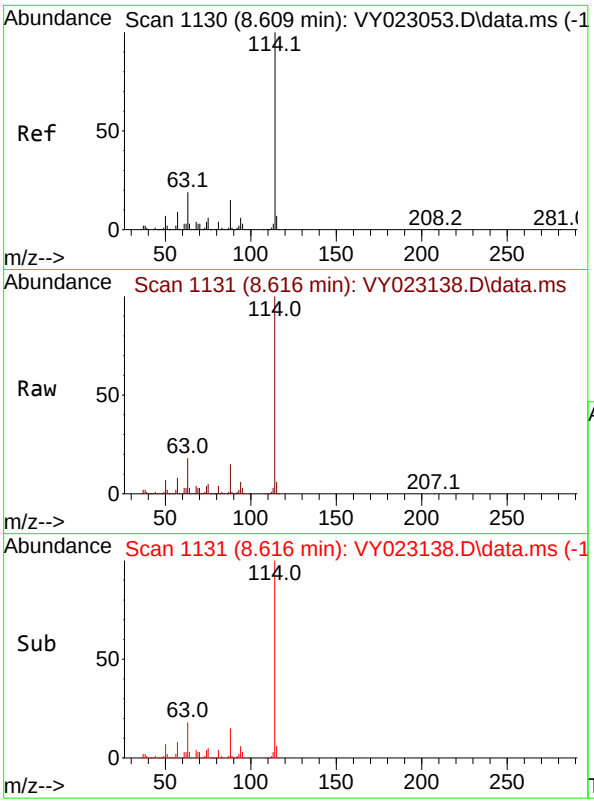


#33
1,2-Dichloroethane-d4
Concen: 53.431 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 65 Resp: 335313

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8



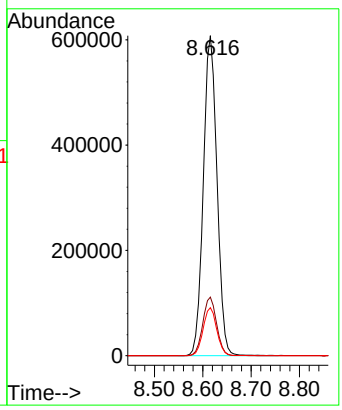


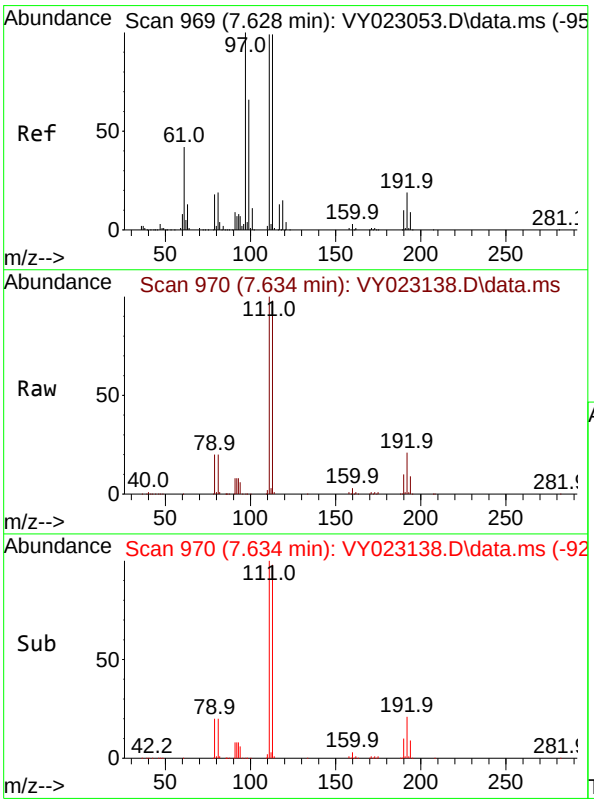
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion:114 Resp: 1194271

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	15.0	0.0	30.0

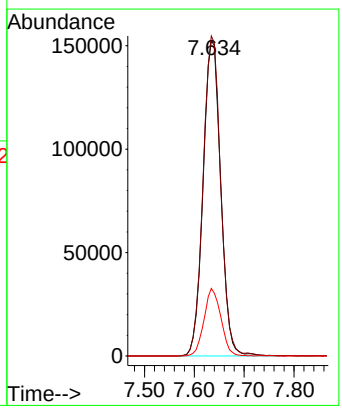


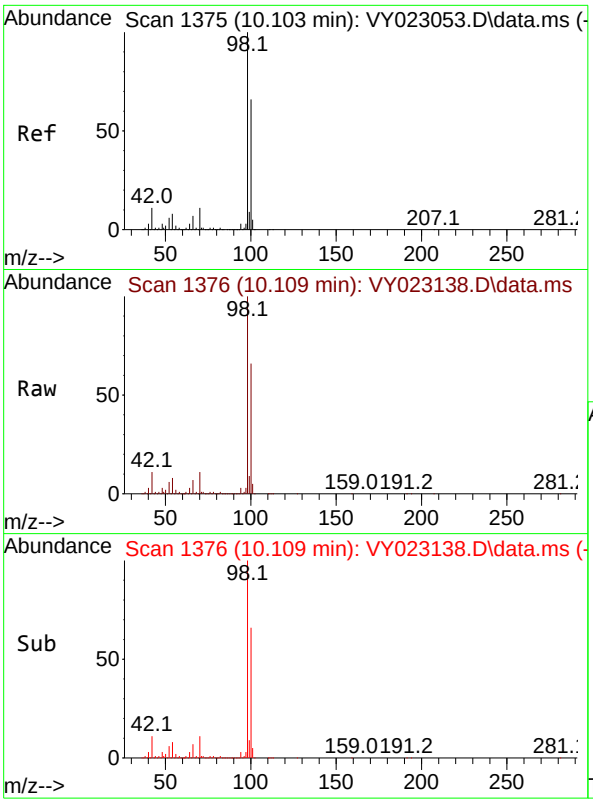


#35
Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion:113 Resp: 374747

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	20.5	16.2	24.4



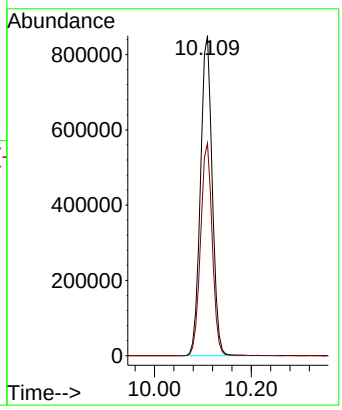


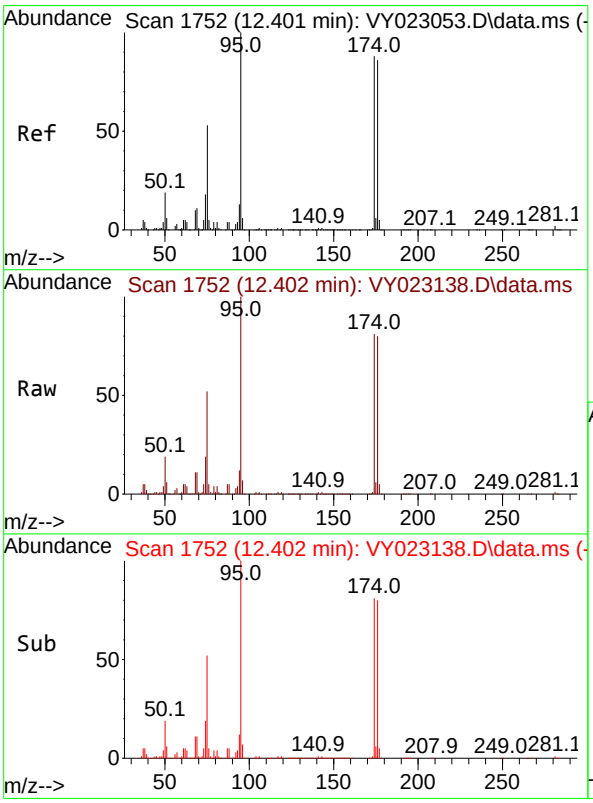
#50
Toluene-d8
Concen: 51.298 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion: 98 Resp: 1432079

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5

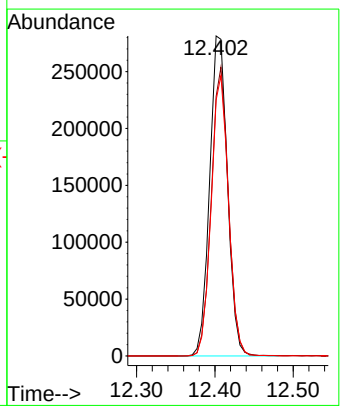


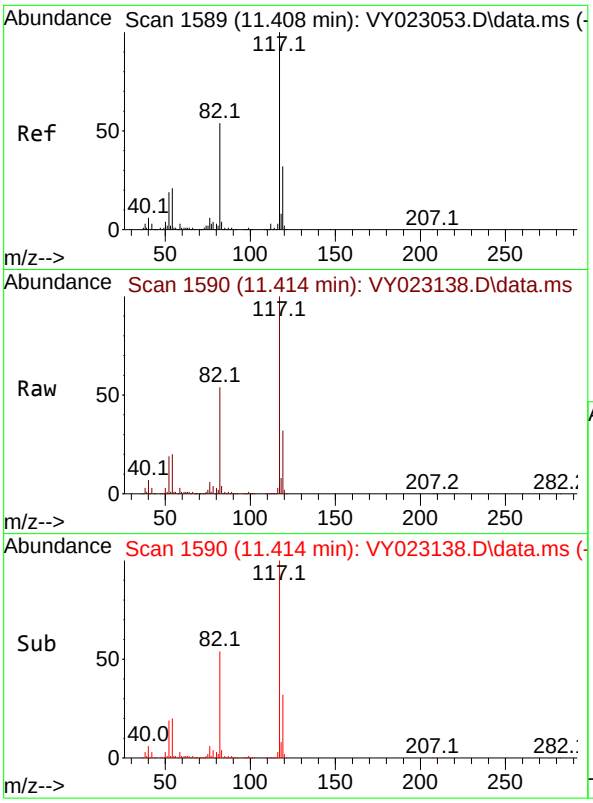


#62
4-Bromofluorobenzene
Concen: 49.470 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 95 Resp: 444143

Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	171.6
176	85.2	0.0	167.6



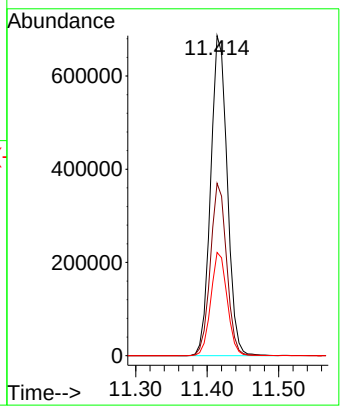


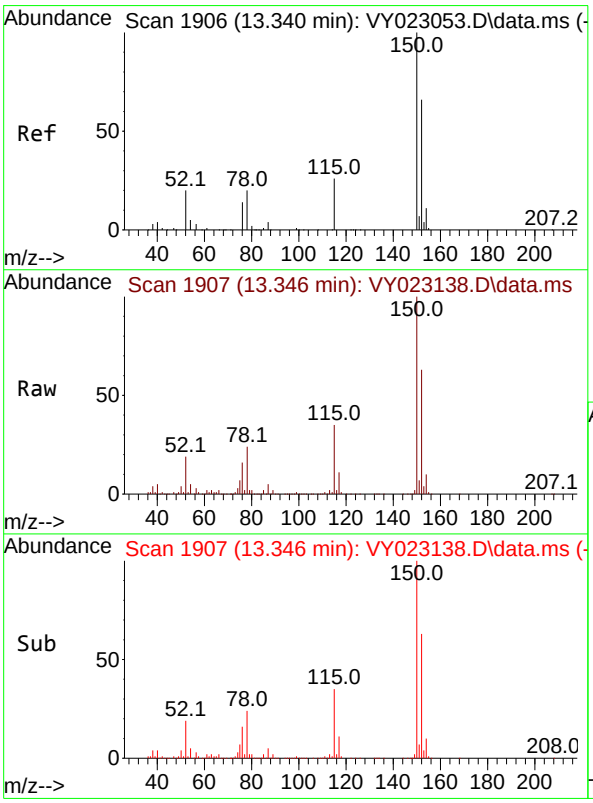
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion:117 Resp: 1104701

Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.4	65.0
119	32.3	25.6	38.4

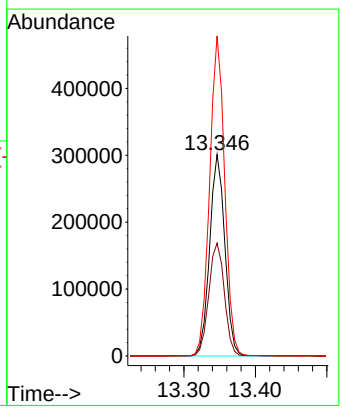




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion:152 Resp: 444569

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.2	84.6
150	157.2	0.0	348.0



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:	VY0820SBL01	SDG No.:	Q2879
Lab Sample ID:	VY0820SBL01	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:	Date Analyzed	Prep Batch ID
VY023163.D	1	08/20/25 09:55	VY082025

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:	VY0820SBL01	SDG No.:	Q2879
Lab Sample ID:	VY0820SBL01	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:	Date Analyzed	Prep Batch ID
VY023163.D	1	08/20/25 09:55	VY082025

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:	VY0820SBL01	SDG No.:	Q2879
Lab Sample ID:	VY0820SBL01	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:	Date Analyzed	Prep Batch ID
VY023163.D	1	08/20/25 09:55	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.2		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.9		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	579000	7.713				
540-36-3	1,4-Difluorobenzene	1080000	8.616				
3114-55-4	Chlorobenzene-d5	971000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	383000	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\VY082025\
Data File : VY023163.D
Acq On : 20 Aug 2025 09:55
Operator : SY/MD
Sample : VY0820SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Quant Time: Aug 21 01:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

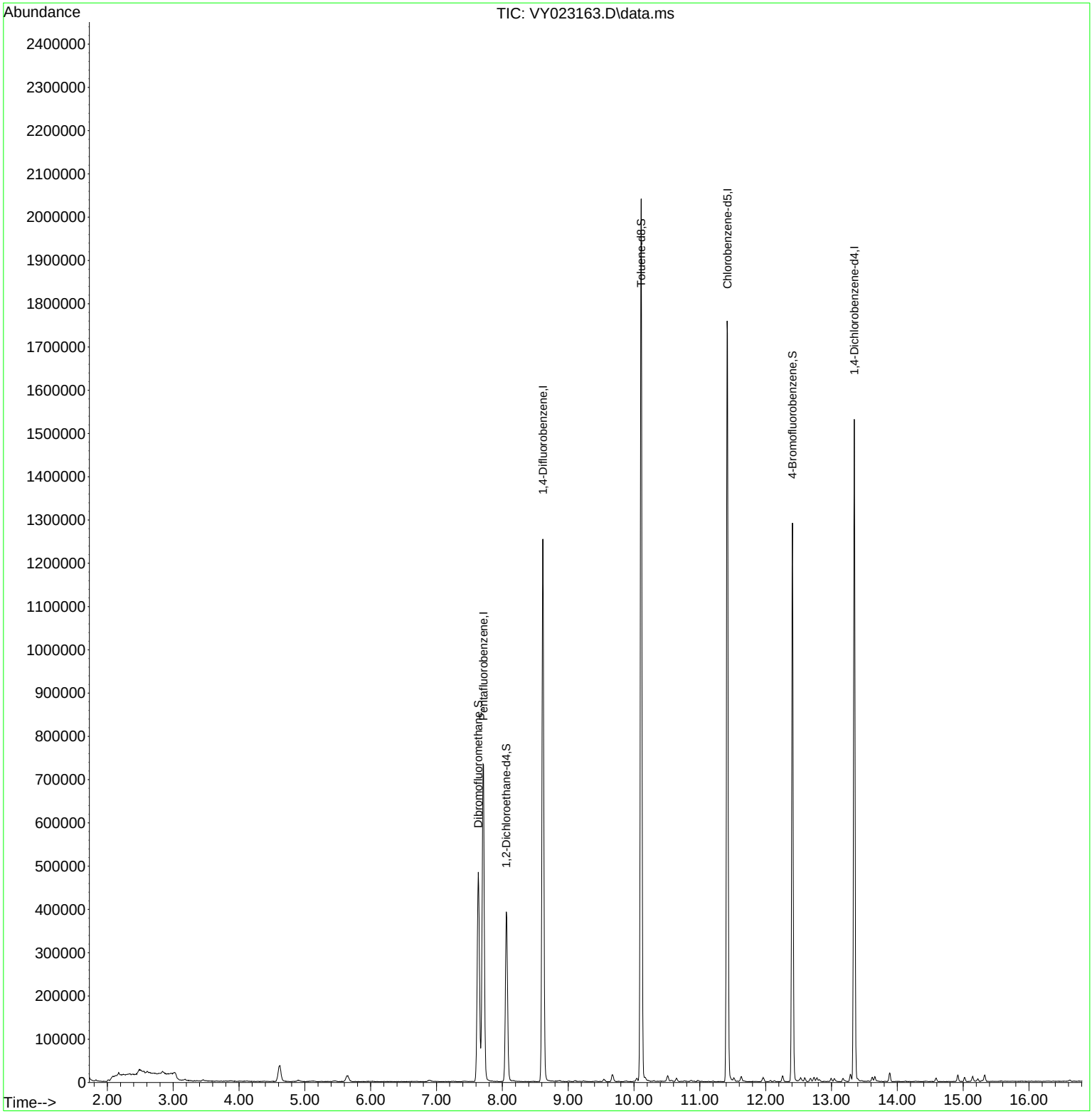
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	578816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1083634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	970907	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	382880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310295	56.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.500%			
35) Dibromofluoromethane	7.634	113	344289	53.097	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.200%			
50) Toluene-d8	10.109	98	1315018	51.914	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.408	95	380924	46.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.520%			
Target Compounds						Qvalue

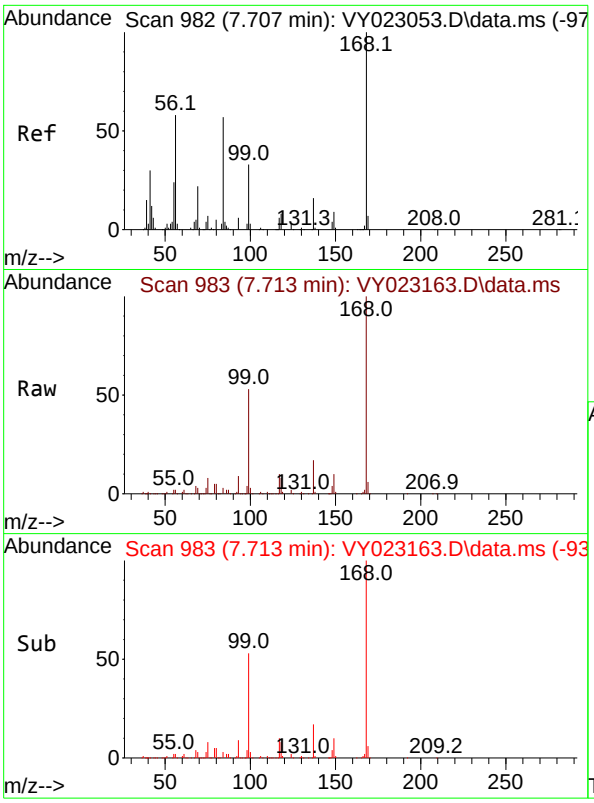
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023163.D
Acq On : 20 Aug 2025 09:55
Operator : SY/MD
Sample : VY0820SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Quant Time: Aug 21 01:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



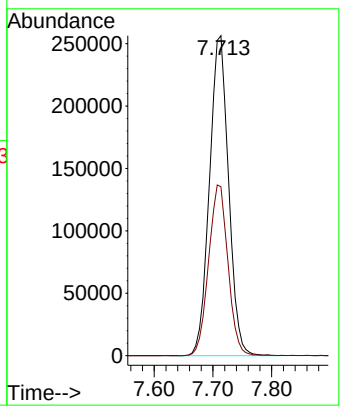


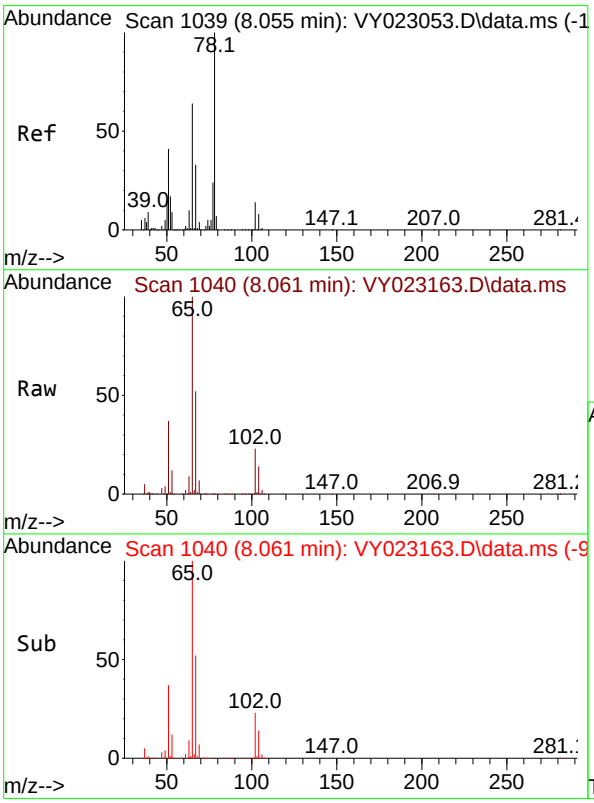
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Tgt Ion:168 Resp: 578816

Ion	Ratio	Lower	Upper
168	100		
99	52.8	42.8	64.2

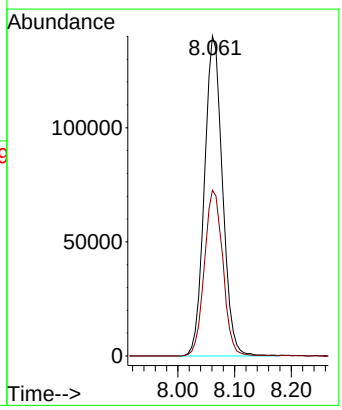


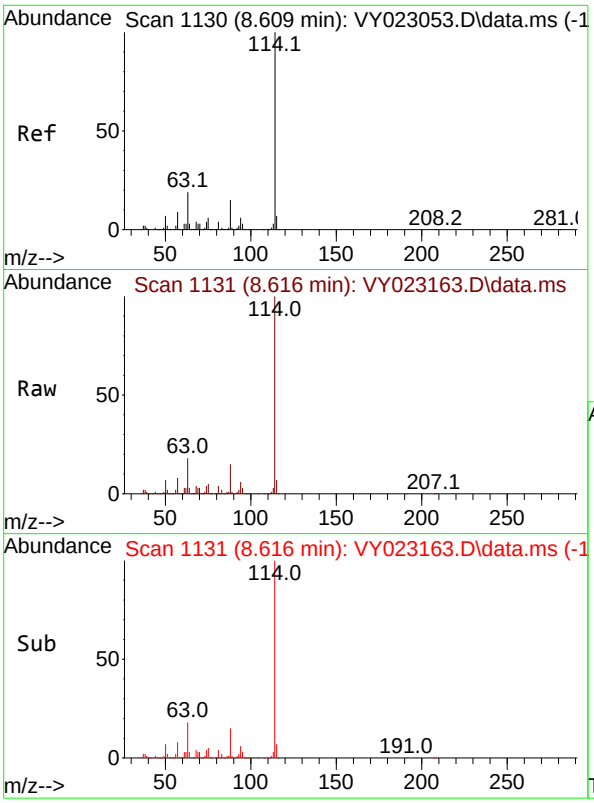


#33
1,2-Dichloroethane-d4
Concen: 56.248 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 65 Resp: 310295

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8



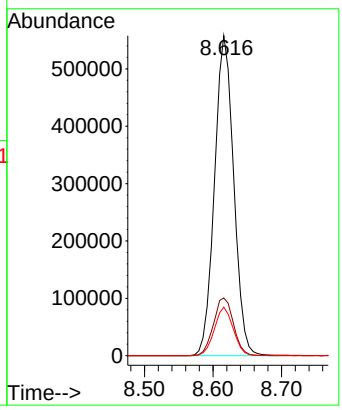


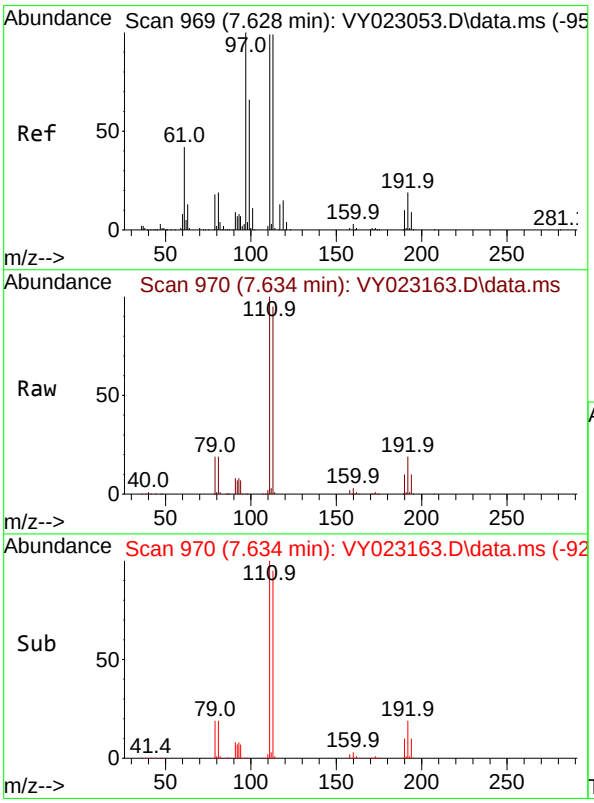
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Tgt Ion:114 Resp: 1083634

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	38.4
88	15.1	0.0	30.0

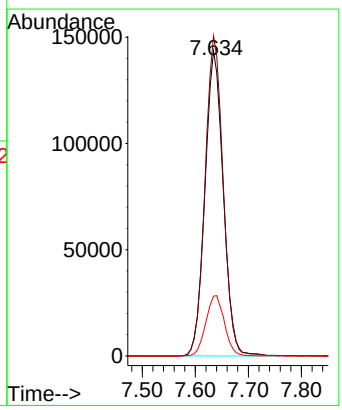


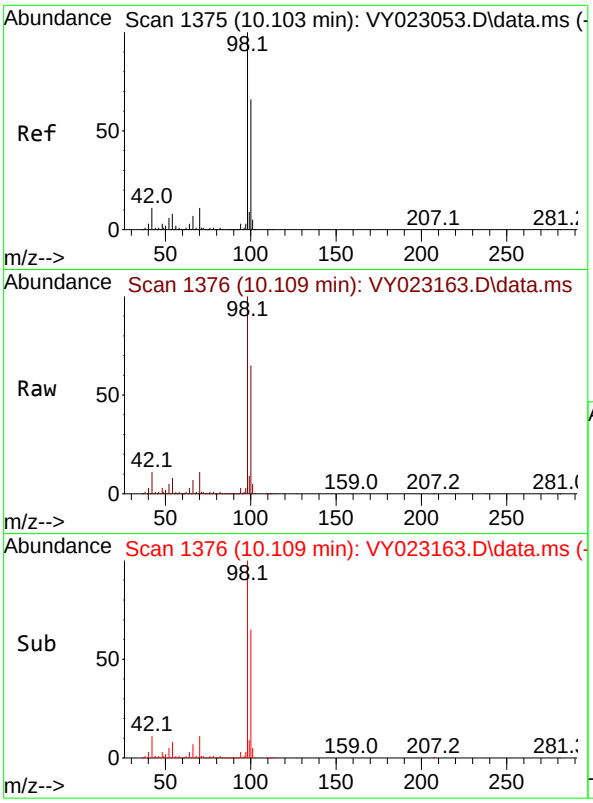


#35
Dibromofluoromethane
Concen: 53.097 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion:113 Resp: 344289

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	20.1	16.2	24.4



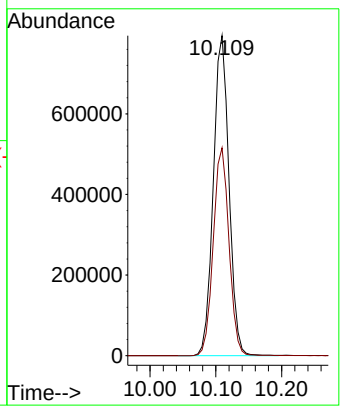


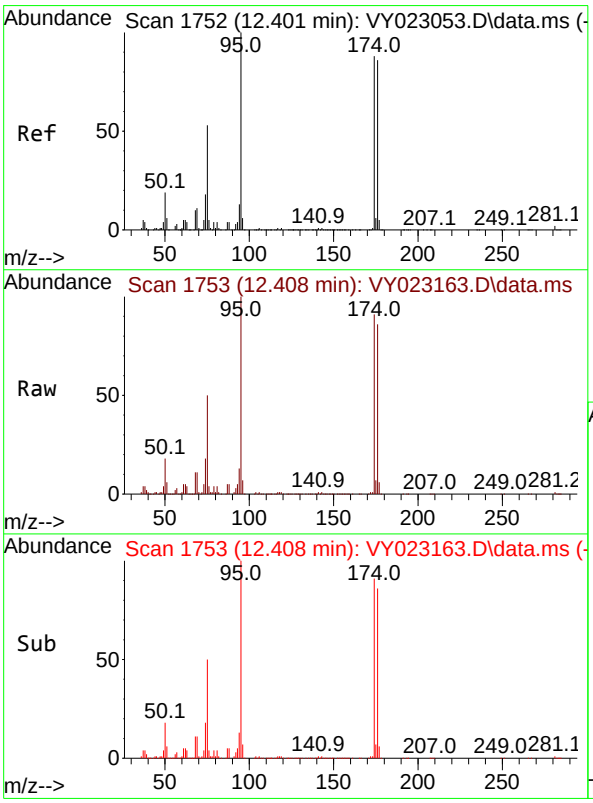
#50
Toluene-d8
Concen: 51.914 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Tgt Ion: 98 Resp: 1315018

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

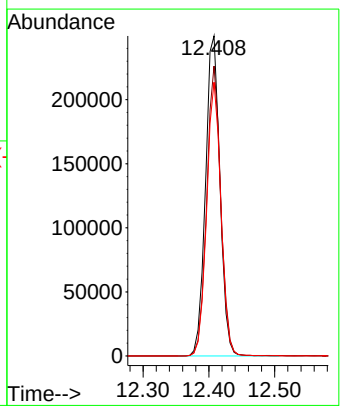


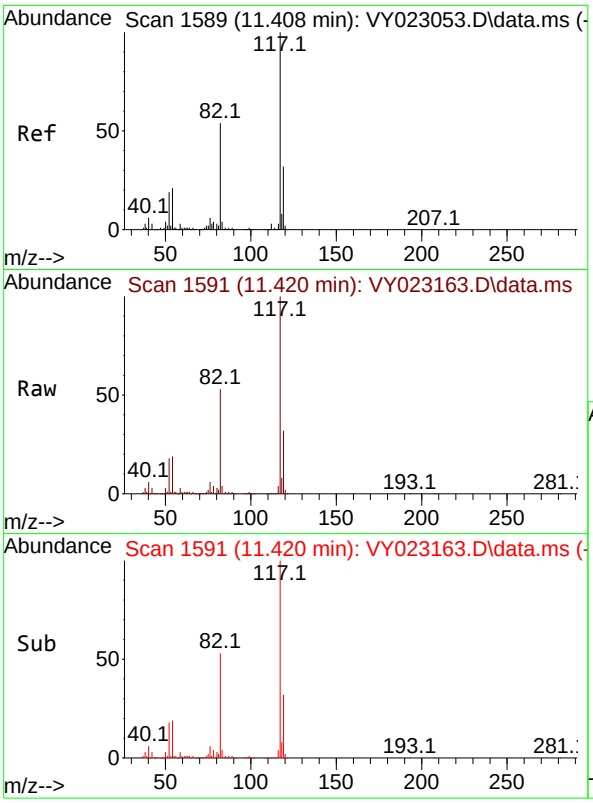


#62
4-Bromofluorobenzene
Concen: 46.760 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 95 Resp: 380924

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	171.6
176	84.6	0.0	167.6



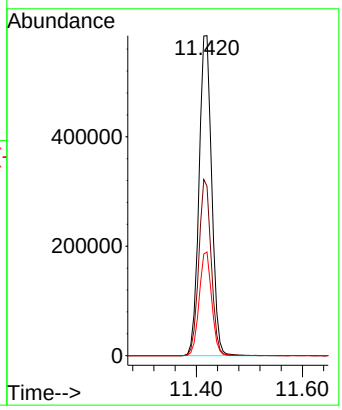


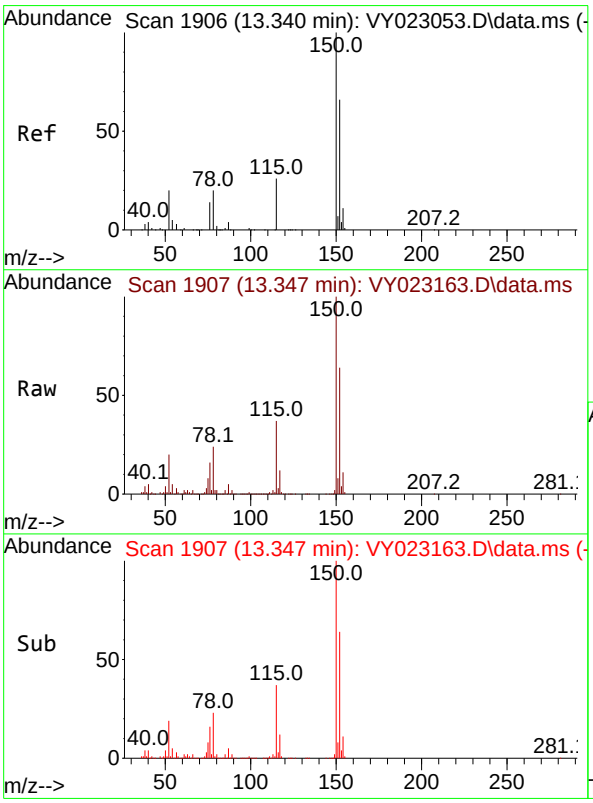
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Tgt Ion:117 Resp: 970907

Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.4	65.0
119	32.4	25.6	38.4

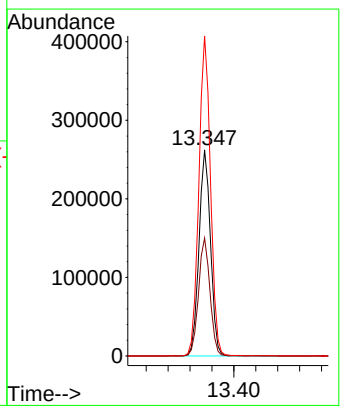




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion:152 Resp: 382880

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.6
150	156.7	0.0	348.0



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:	VY0819SBS01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBS01	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:	Date Analyzed	Prep Batch ID
VY023139.D	1	08/19/25 10:19	VY081925

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	0.020		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.021		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.023		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.021		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.090		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.022		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	0.095		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.11		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		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	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.021		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		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	0.021		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		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	0.021		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.094		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:	VY0819SBS01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBS01	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:	Date Analyzed	Prep Batch ID
VY023139.D	1	08/19/25 10:19	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		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	0.099		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	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.021		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.042		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.063		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.021		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.021		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	0.018		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.021		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.021		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.021		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.021		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.022		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.021		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.0016	0.0025	0.0050	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0819SBS01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBS01	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:	Date Analyzed	Prep Batch ID
VY023139.D	1	08/19/25 10:19	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.021		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.021		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.020		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.020		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.4		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.6		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	518000	7.707				
540-36-3	1,4-Difluorobenzene	817000	8.615				
3114-55-4	Chlorobenzene-d5	707000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	353000	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\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	517532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	816918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	707204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	233623	47.365	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.720%			
35) Dibromofluoromethane	7.634	113	237406	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.140%			
50) Toluene-d8	10.109	98	947313	49.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.401	95	298119	48.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	87281	20.661	ug/l	100
3) Chloromethane	2.074	50	138015	20.171	ug/l	100
4) Vinyl Chloride	2.208	62	173827	20.552	ug/l	99
5) Bromomethane	2.592	94	146241	23.152	ug/l	98
6) Chloroethane	2.738	64	116717	20.757	ug/l	99
7) Trichlorofluoromethane	3.055	101	205259	19.958	ug/l	98
8) Diethyl Ether	3.458	74	54043	19.862	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	109139	21.510	ug/l	99
10) Methyl Iodide	4.006	142	105447	19.260	ug/l	99
11) Tert butyl alcohol	4.860	59	29364	86.885	ug/l	100
12) 1,1-Dichloroethene	3.793	96	103754	20.804	ug/l	91
13) Acrolein	3.653	56	35491	71.706	ug/l	96
14) Allyl chloride	4.384	41	138299	18.846	ug/l	96
15) Acrylonitrile	5.055	53	104521	94.488	ug/l	98
16) Acetone	3.872	43	120414	112.685	ug/l	98
17) Carbon Disulfide	4.104	76	323680	19.905	ug/l	99
18) Methyl Acetate	4.384	43	55412	17.426	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	254848	19.720	ug/l	97
20) Methylene Chloride	4.616	84	114203	18.875	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	117658	20.993	ug/l	96
22) Diisopropyl ether	6.018	45	314582	19.728	ug/l	95
23) Vinyl Acetate	5.963	43	837107	94.938	ug/l	97
24) 1,1-Dichloroethane	5.921	63	194782	19.979	ug/l	100
25) 2-Butanone	6.890	43	146563	100.847	ug/l	99
26) 2,2-Dichloropropane	6.890	77	179625	21.352	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133354	20.582	ug/l	97
28) Bromochloromethane	7.244	49	75324	19.474	ug/l	96
29) Tetrahydrofuran	7.262	42	81427	90.389	ug/l	98
30) Chloroform	7.426	83	208029	20.690	ug/l	100
31) Cyclohexane	7.701	56	180441	19.640	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	185862	20.833	ug/l	99
36) 1,1-Dichloropropene	7.835	75	149696	20.606	ug/l	99
37) Ethyl Acetate	6.981	43	56943	18.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	169089	21.430	ug/l	99
39) Methylcyclohexane	9.109	83	199011	20.803	ug/l	99
40) Benzene	8.079	78	471421	21.055	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.219	41	32549m	18.482 ug/l		
42) 1,2-Dichloroethane	8.158	62	117552	20.187 ug/l		100
43) Isopropyl Acetate	8.195	43	113681	18.431 ug/l		99
44) Trichloroethene	8.865	130	122590	21.187 ug/l		98
45) 1,2-Dichloropropane	9.140	63	105641	20.506 ug/l		99
46) Dibromomethane	9.231	93	62014	20.972 ug/l		97
47) Bromodichloromethane	9.420	83	157692	20.725 ug/l		98
48) Methyl methacrylate	9.219	41	54599	18.499 ug/l		93
49) 1,4-Dioxane	9.231	88	13295	383.459 ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	298177	93.721 ug/l		99
52) Toluene	10.170	92	299030	21.028 ug/l		99
53) t-1,3-Dichloropropene	10.395	75	138793	20.144 ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	166637	20.453 ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	80520	20.350 ug/l		95
56) Ethyl methacrylate	10.438	69	94888	18.741 ug/l		99
57) 1,3-Dichloropropane	10.718	76	138195	20.594 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	226098	94.672 ug/l		98
59) 2-Hexanone	10.761	43	214547	99.034 ug/l		100
60) Dibromochloromethane	10.907	129	107311	20.554 ug/l		100
61) 1,2-Dibromoethane	11.017	107	75418	20.280 ug/l		100
64) Tetrachloroethene	10.645	164	129655	20.532 ug/l		99
65) Chlorobenzene	11.438	112	325629	21.346 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	109752	21.199 ug/l		98
67) Ethyl Benzene	11.517	91	545176	20.767 ug/l		98
68) m/p-Xylenes	11.627	106	430120	41.951 ug/l		100
69) o-Xylene	11.956	106	201847	21.020 ug/l		100
70) Styrene	11.968	104	330216	21.028 ug/l		99
71) Bromoform	12.127	173	62105	20.525 ug/l	#	99
73) Isopropylbenzene	12.255	105	527385	21.185 ug/l		99
74) N-amyl acetate	12.066	43	98366	18.632 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	87962	20.694 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	61598m	18.095 ug/l		
77) Bromobenzene	12.529	156	122298	20.592 ug/l		99
78) n-propylbenzene	12.596	91	629976	21.255 ug/l		99
79) 2-Chlorotoluene	12.675	91	356441	20.990 ug/l		100
80) 1,3,5-Trimethylbenzene	12.736	105	422945	21.022 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	27897	19.838 ug/l		98
82) 4-Chlorotoluene	12.773	91	366476	20.803 ug/l		99
83) tert-Butylbenzene	12.992	119	383813	21.122 ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	426567	21.298 ug/l		99
85) sec-Butylbenzene	13.175	105	572911	21.463 ug/l		100
86) p-Isopropyltoluene	13.291	119	473600	21.375 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	245224	20.938 ug/l		98
88) 1,4-Dichlorobenzene	13.364	146	241992	20.829 ug/l		99
89) n-Butylbenzene	13.614	91	427124	20.989 ug/l		99
90) Hexachloroethane	13.876	117	97949	21.595 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	210816	20.524 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12905	19.499 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	122439	20.157 ug/l		98
94) Hexachlorobutadiene	15.023	225	75487	21.149 ug/l		99
95) Naphthalene	15.145	128	198080	19.124 ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	105286	20.115 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 08/20/2025

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\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VY0819SBS01

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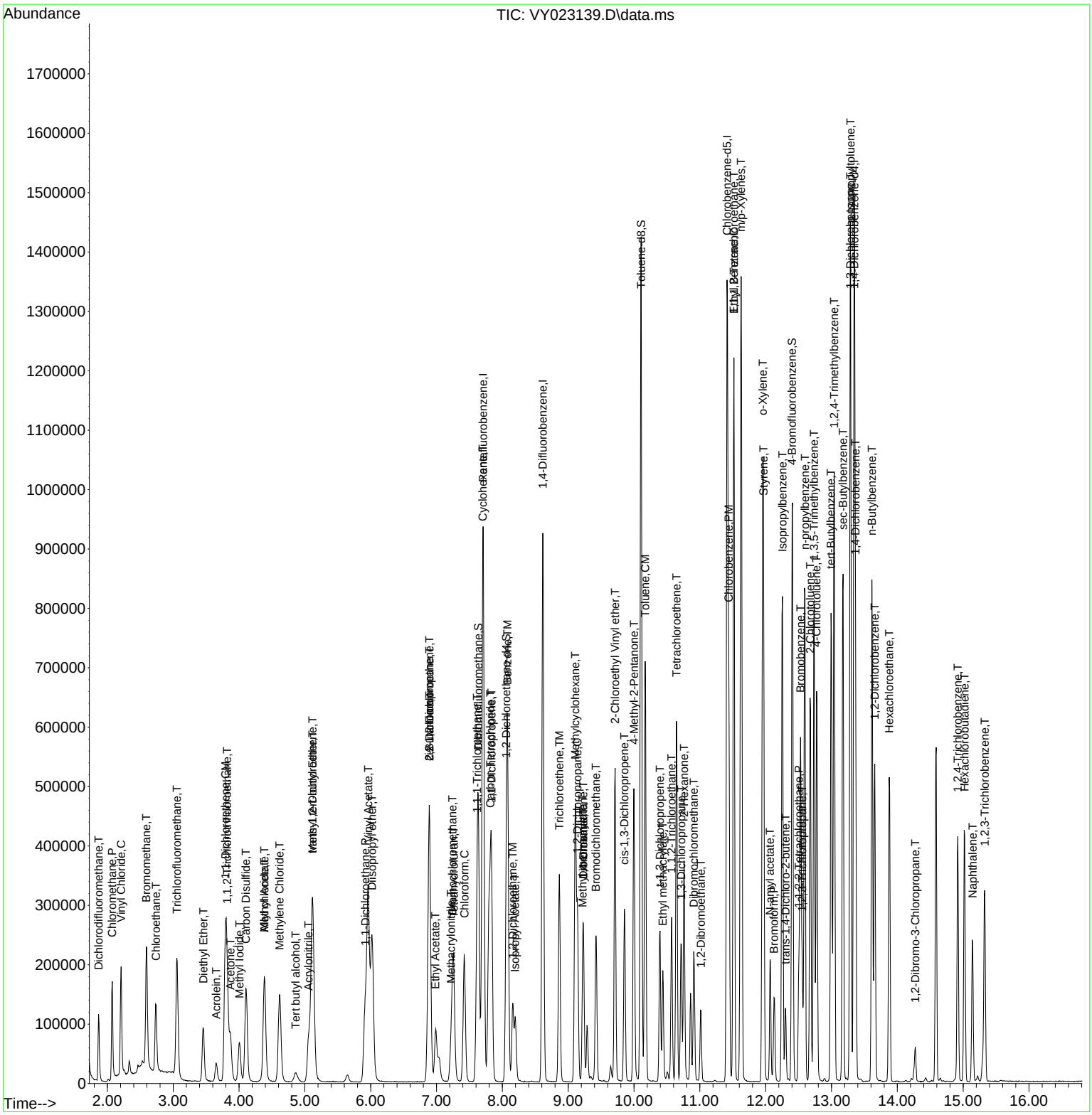
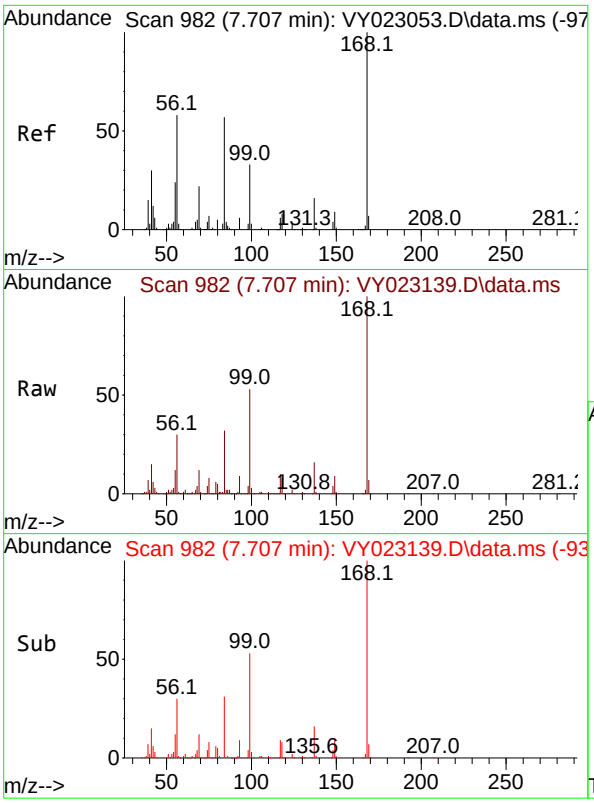
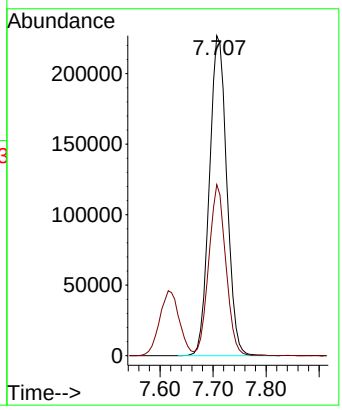




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:168 Resp: 51753

Ion	Ratio	Lower	Upper
168	100		
99	53.4	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

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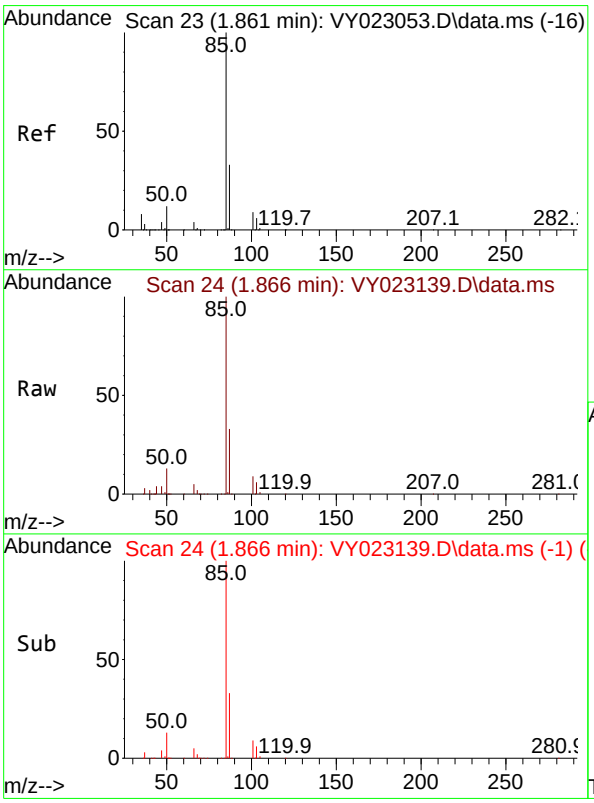
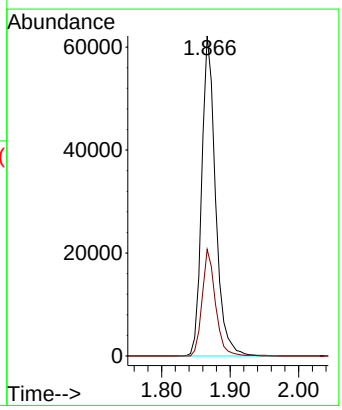
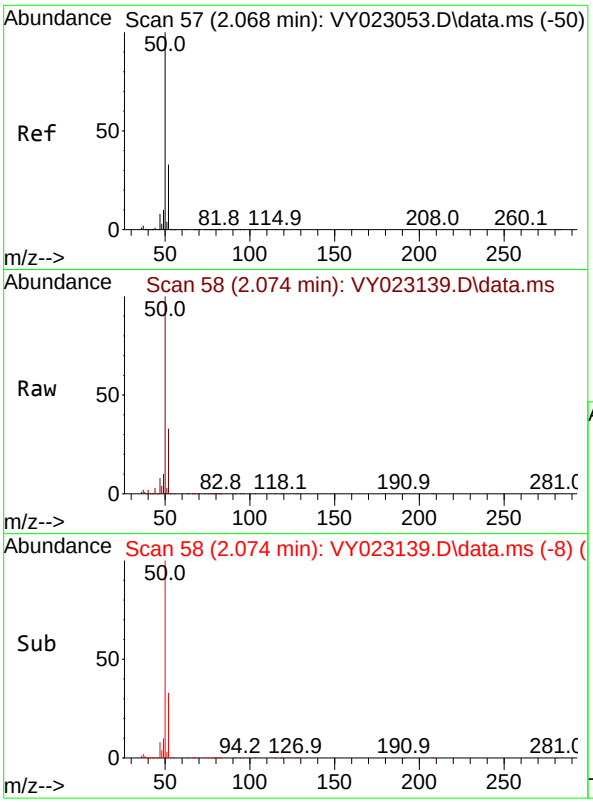


#2
Dichlorodifluoromethane
Concen: 20.661 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 85 Resp: 87281

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8

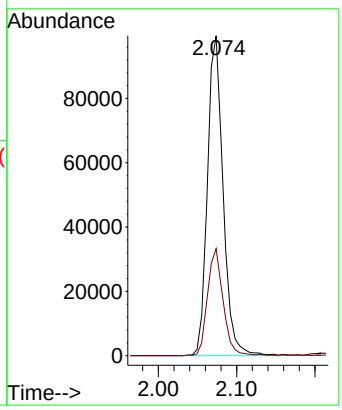




#3
Chloromethane
Concen: 20.171 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 50 Resp: 13801

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

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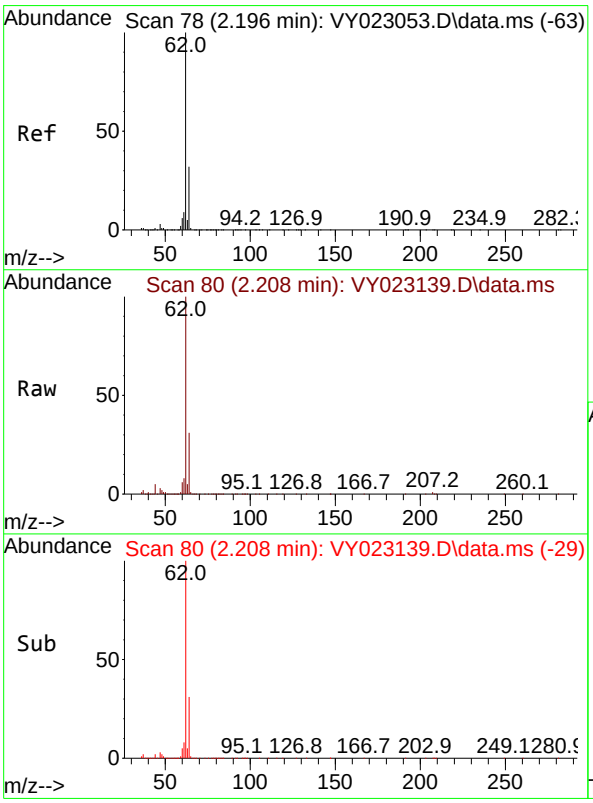
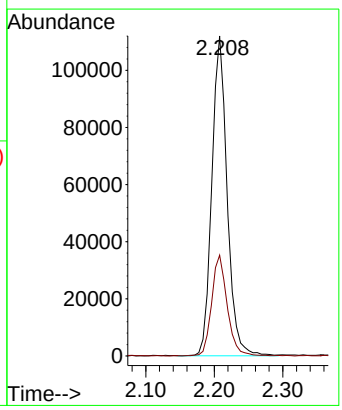
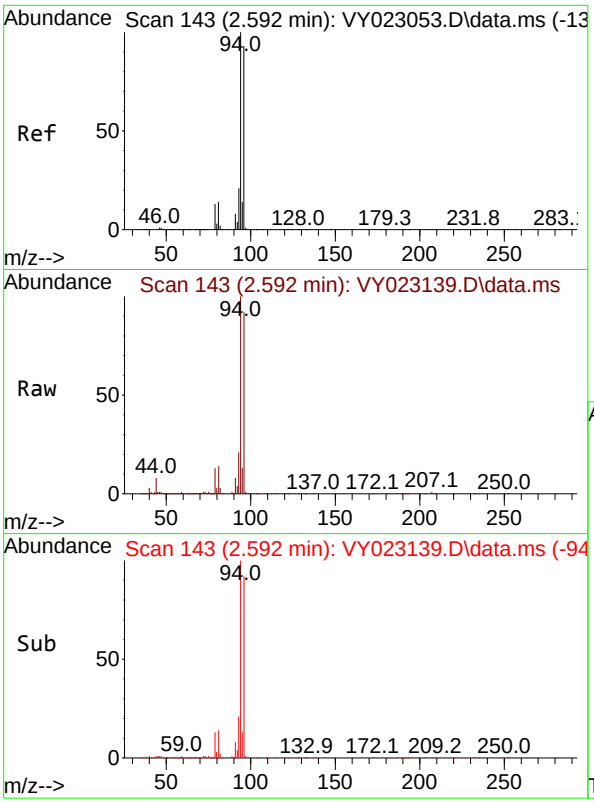


#4
Vinyl Chloride
Concen: 20.552 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 62 Resp: 173827

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.4	38.0

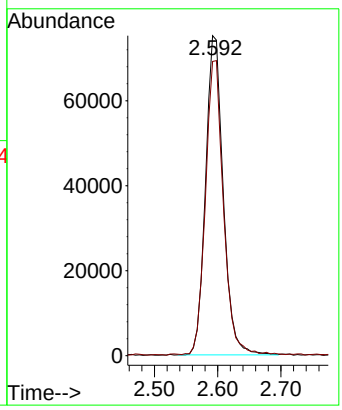




#5
Bromomethane
Concen: 23.152 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 94 Resp: 14624

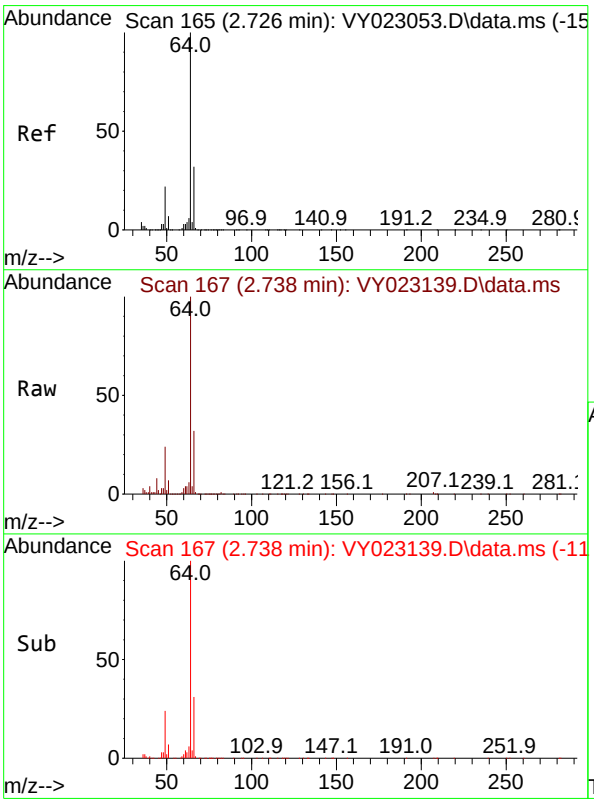
Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.6	112.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

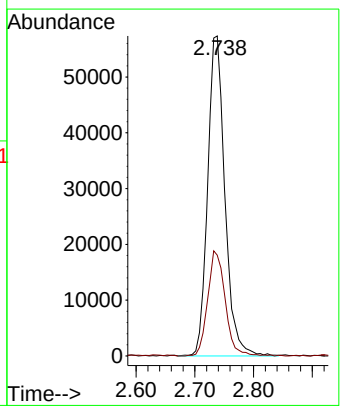
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

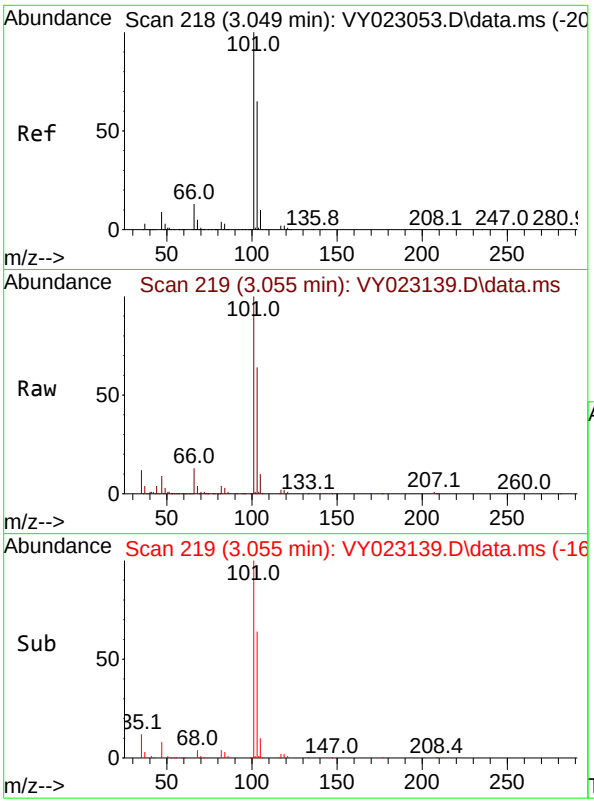


#6
Chloroethane
Concen: 20.757 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 64 Resp: 116717

Ion	Ratio	Lower	Upper
64	100		
66	31.5	25.8	38.6

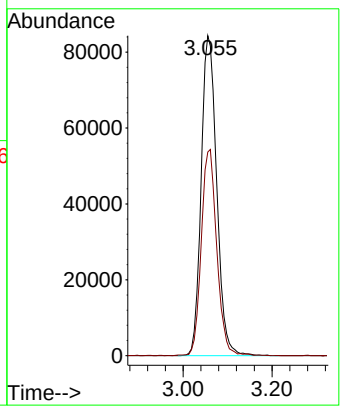




#7
Trichlorofluoromethane
Concen: 19.958 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:101 Resp: 20525

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
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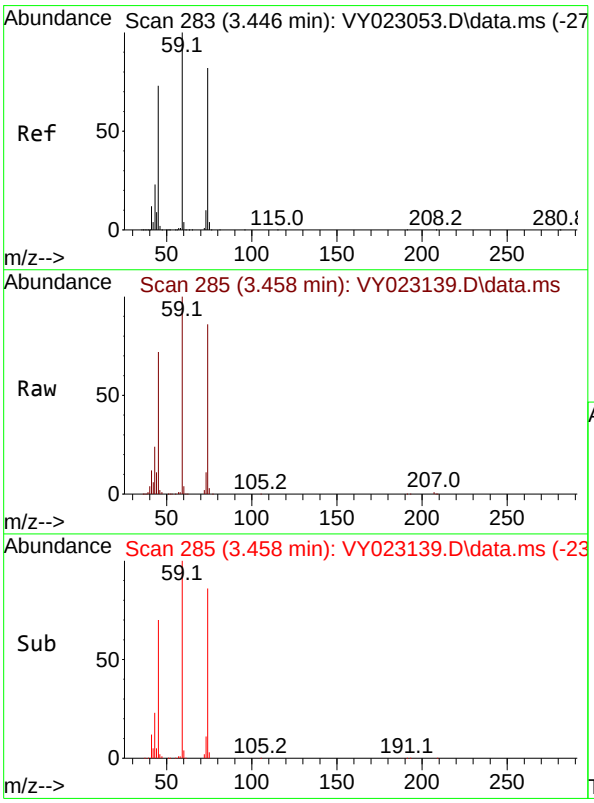
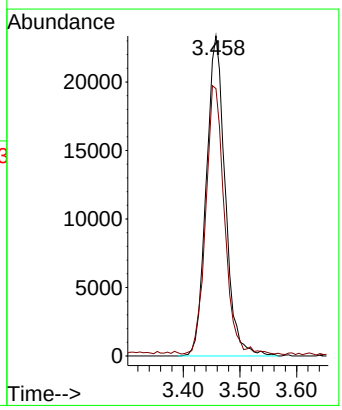
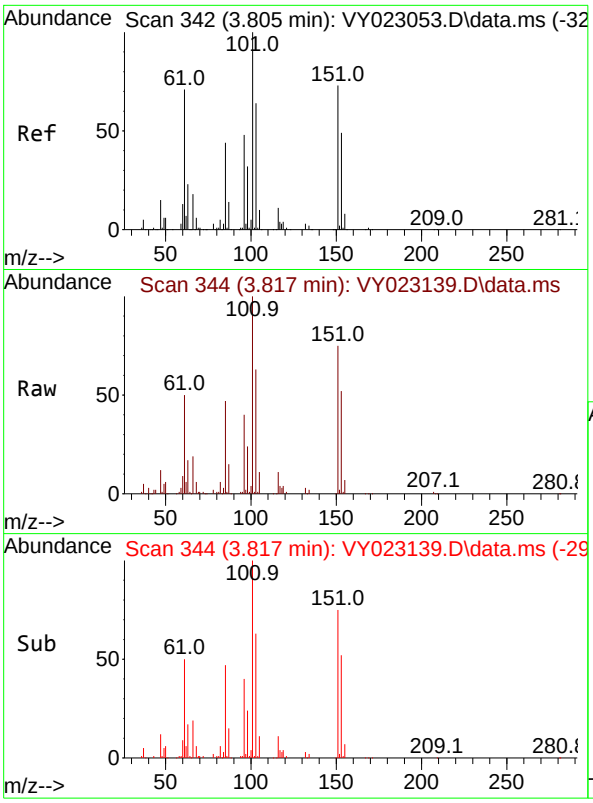


#8
Diethyl Ether
Concen: 19.862 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 74 Resp: 54043

Ion	Ratio	Lower	Upper
74	100		
45	83.3	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.510 ug/l
RT: 3.817 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:101 Resp: 10913

Ion	Ratio	Lower	Upper
101	100		
85	44.6	36.3	54.5
151	77.5	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

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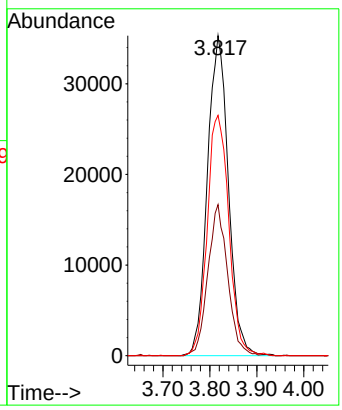
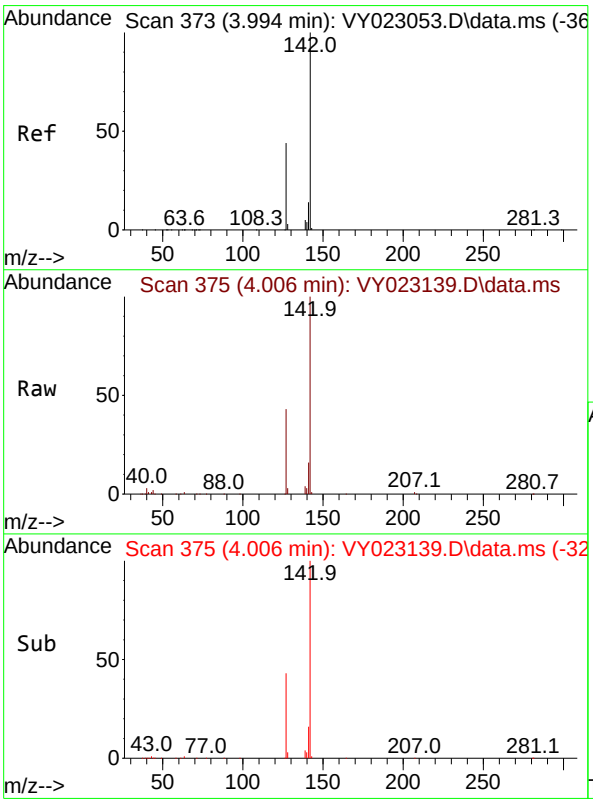
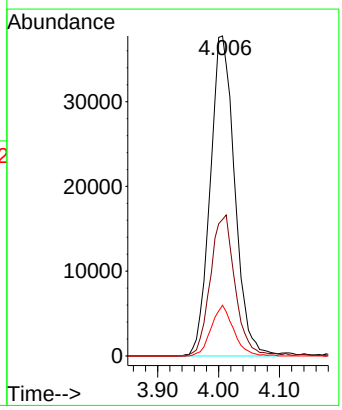


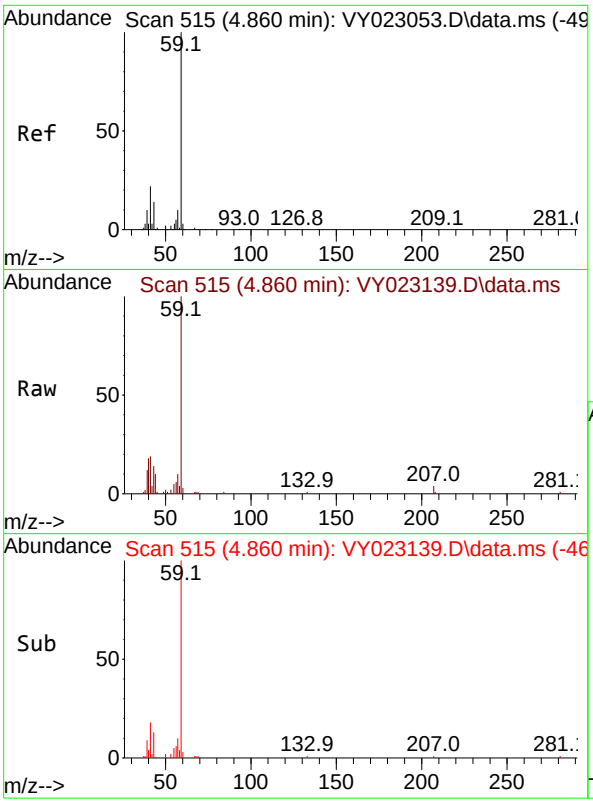


#10
Methyl Iodide
Concen: 19.260 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:142 Resp: 105447

Ion	Ratio	Lower	Upper
142	100		
127	44.5	34.9	52.3
141	14.5	11.3	16.9

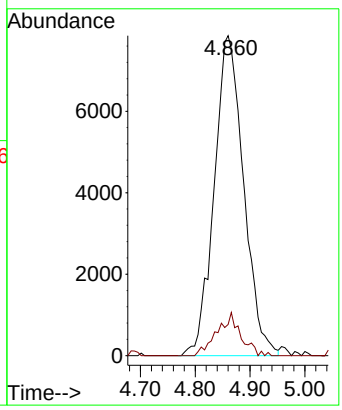




#11
Tert butyl alcohol
Concen: 86.885 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 59 Resp: 2936

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

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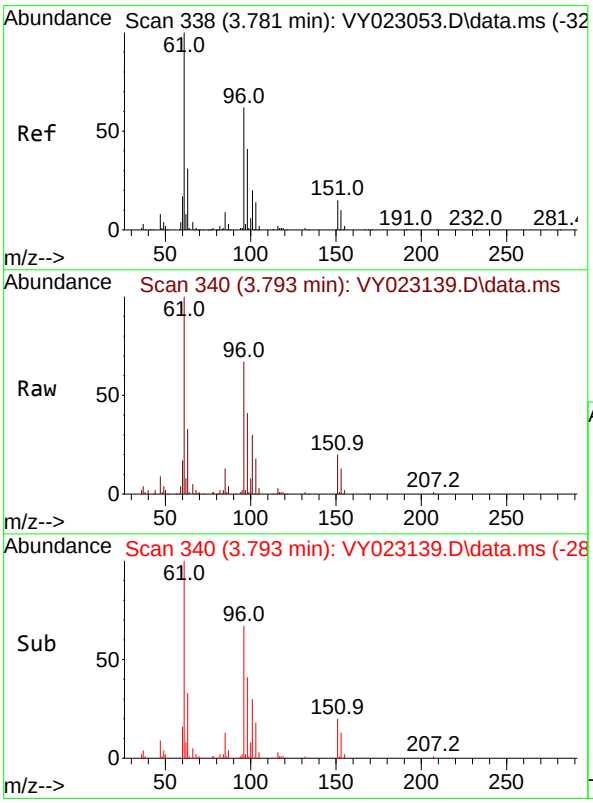
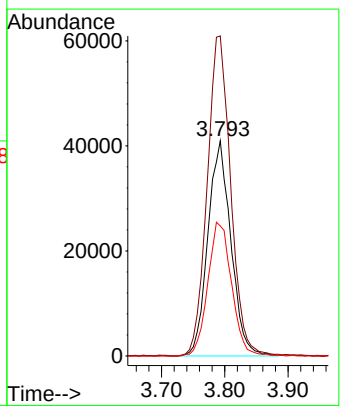
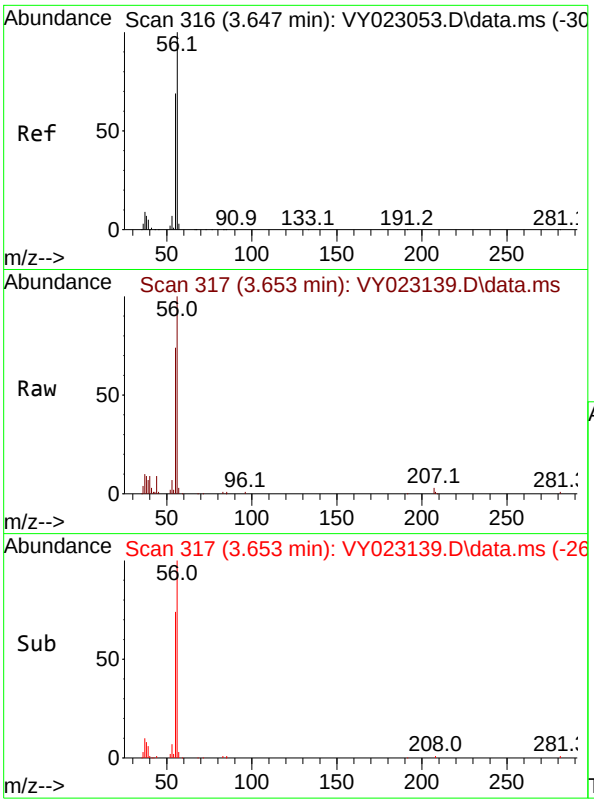


#12
1,1-Dichloroethene
Concen: 20.804 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 96 Resp: 103754

Ion	Ratio	Lower	Upper
96	100		
61	148.7	129.4	194.2
98	60.4	52.8	79.2

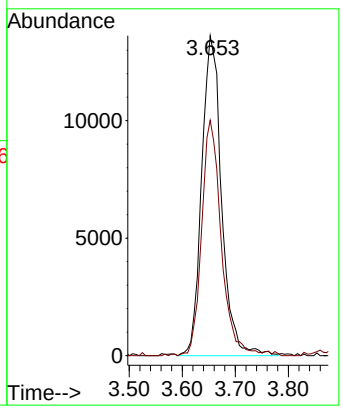




#13
Acrolein
Concen: 71.706 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 56 Resp: 3549

Ion	Ratio	Lower	Upper
56	100		
55	72.0	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
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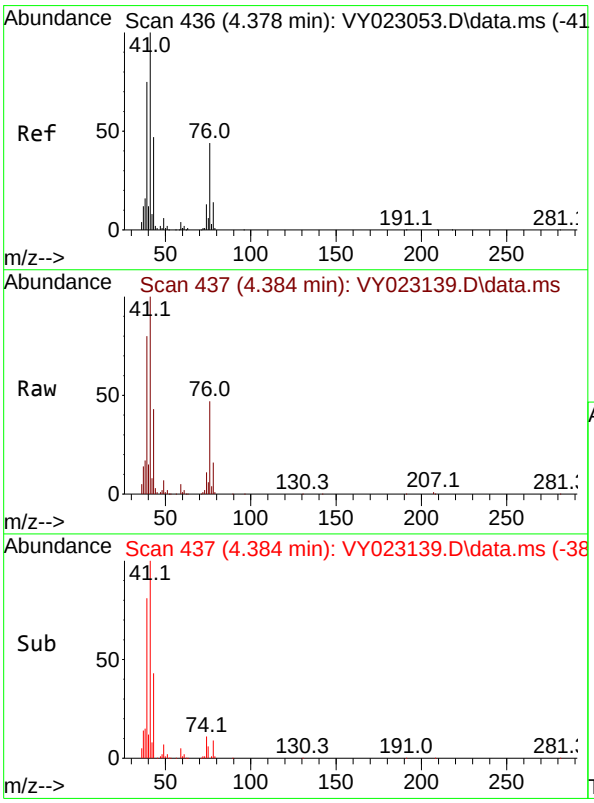
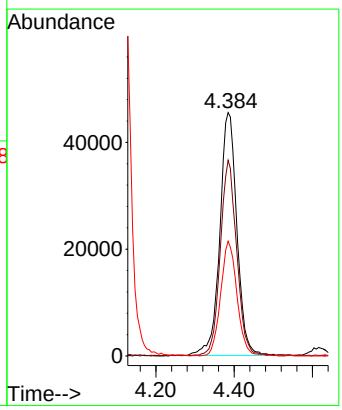
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

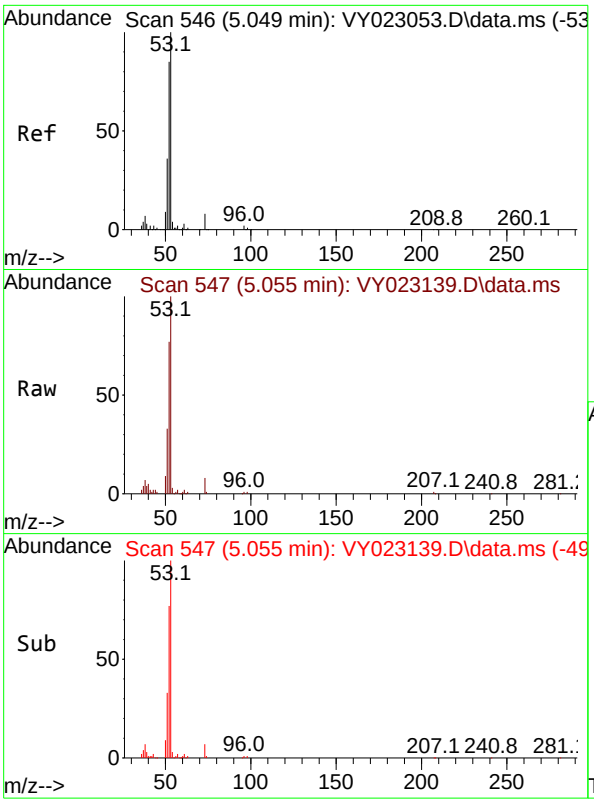


#14
Allyl chloride
Concen: 18.846 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 138299

Ion	Ratio	Lower	Upper
41	100		
39	77.1	59.8	89.6
76	45.1	33.7	50.5

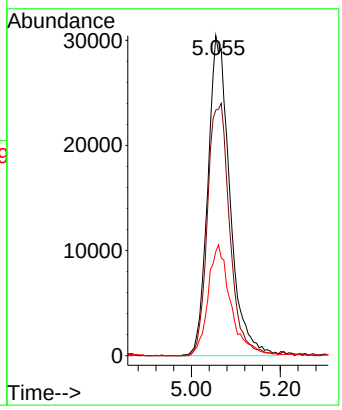




#15
Acrylonitrile
Concen: 94.488 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 53 Resp: 10452

Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.3	97.9
51	35.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
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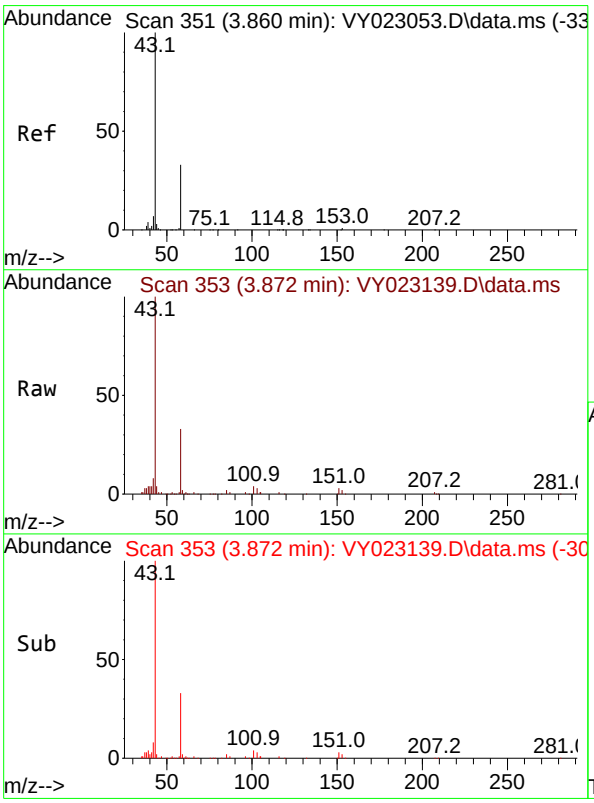
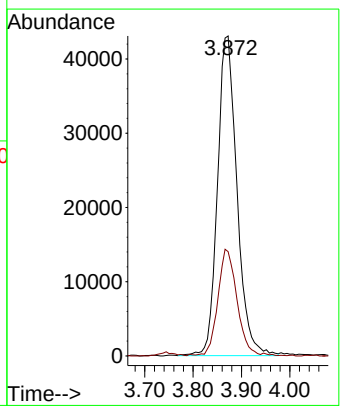
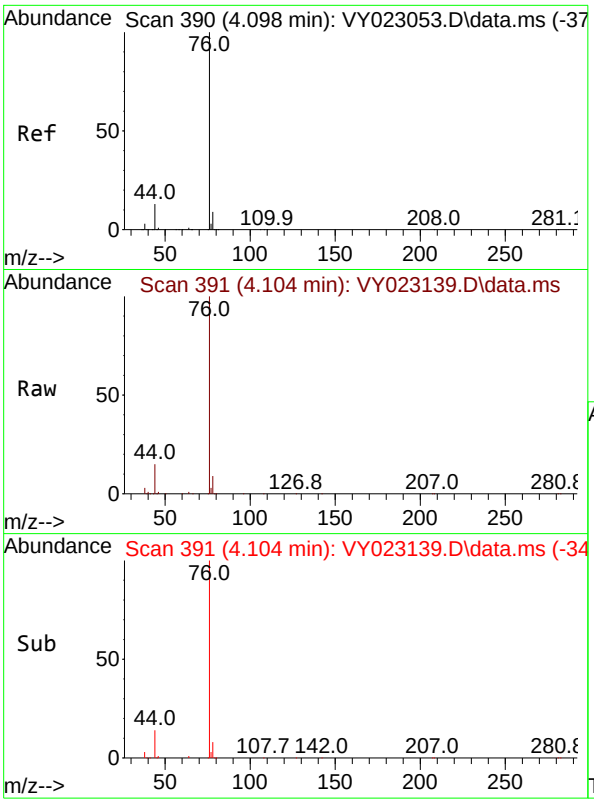


#16
Acetone
Concen: 112.685 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 120414

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.1	40.7

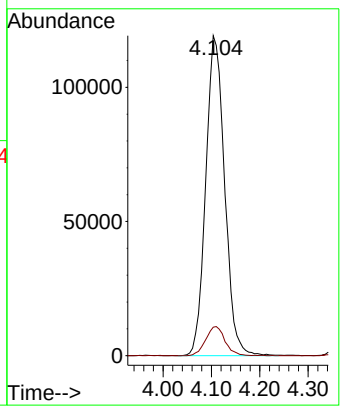




#17
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 76 Resp: 32368

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2



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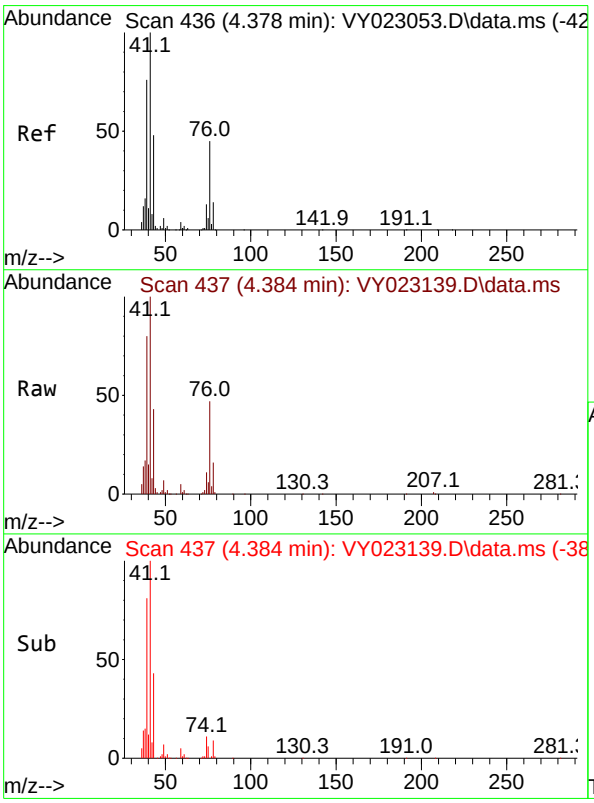
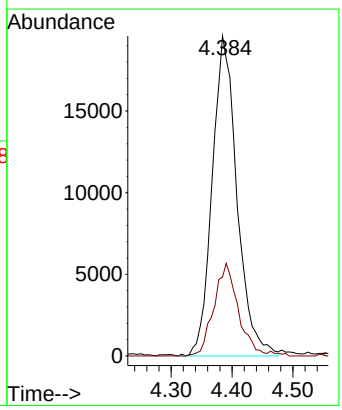
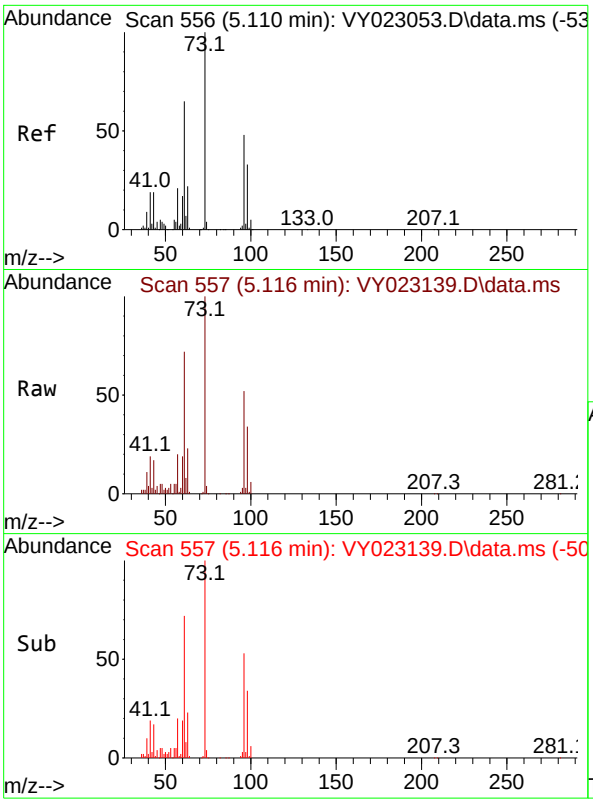


#18
Methyl Acetate
Concen: 17.426 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 55412

Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.2	31.8

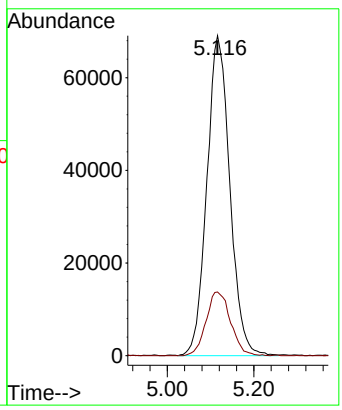




#19
Methyl tert-butyl Ether
Concen: 19.720 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 73 Resp: 25484

Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.1	25.7



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ClientSampleId :
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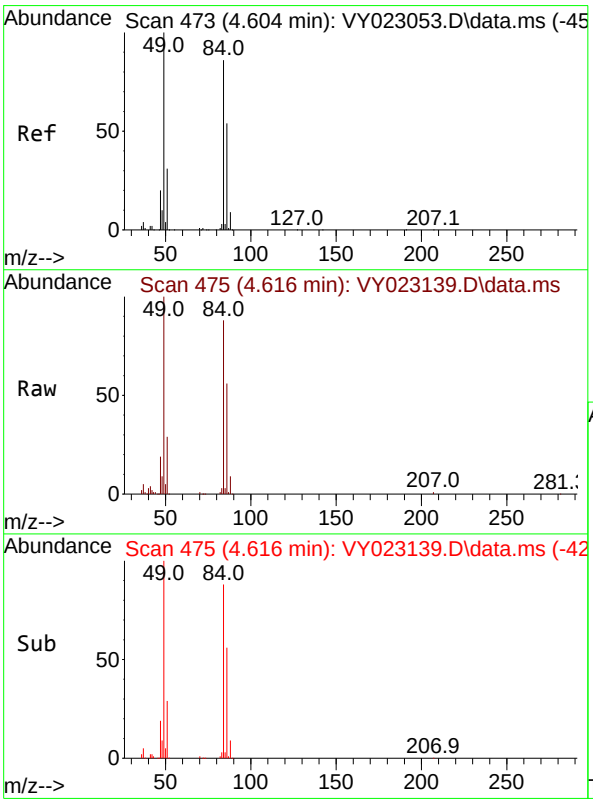
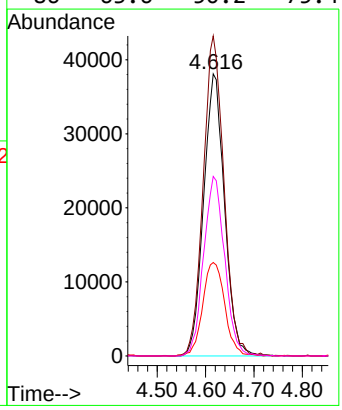
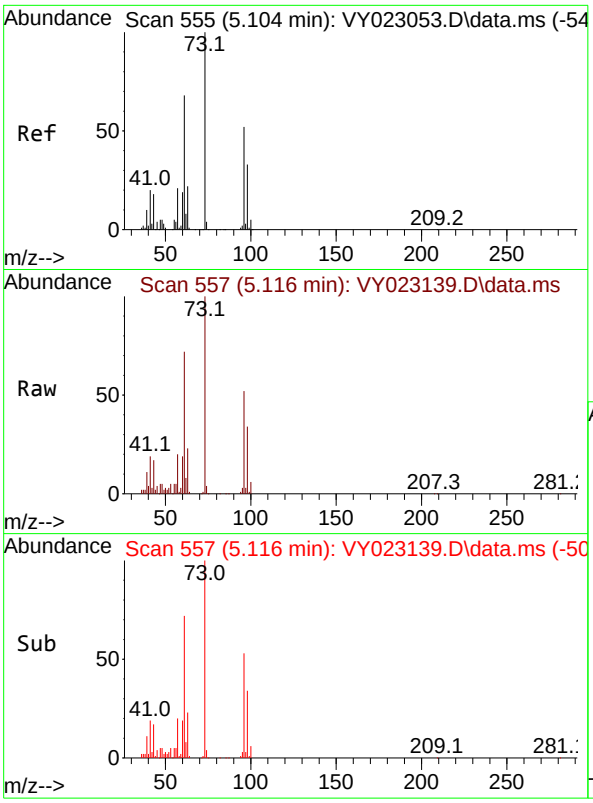


#20
Methylene Chloride
Concen: 18.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 84 Resp: 114203

Ion	Ratio	Lower	Upper
84	100		
49	113.2	93.0	139.6
51	33.1	29.0	43.4
86	63.6	50.2	75.4

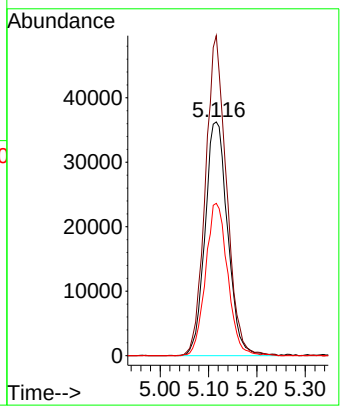




#21
trans-1,2-Dichloroethene
Concen: 20.993 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 96 Resp: 11765

Ion	Ratio	Lower	Upper
96	100		
61	136.8	104.8	157.2
98	65.2	50.1	75.1



Instrument :
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ClientSampleId :
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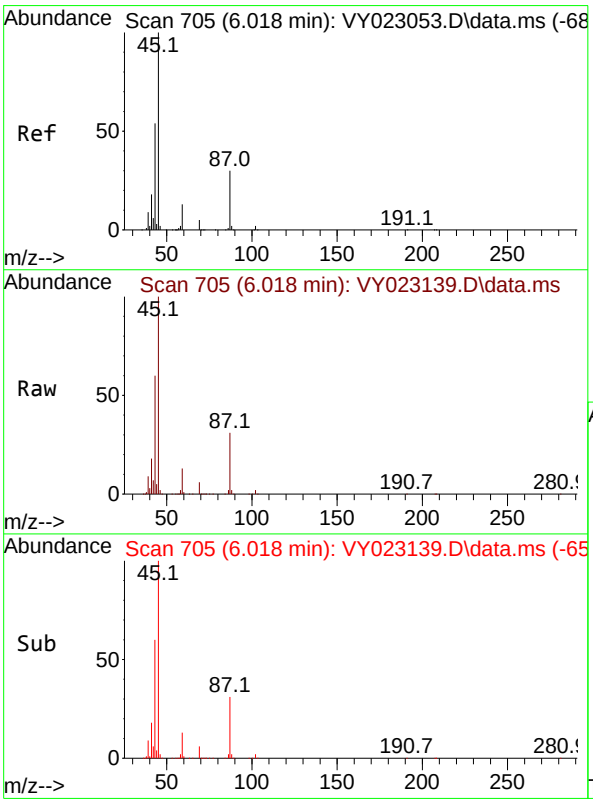
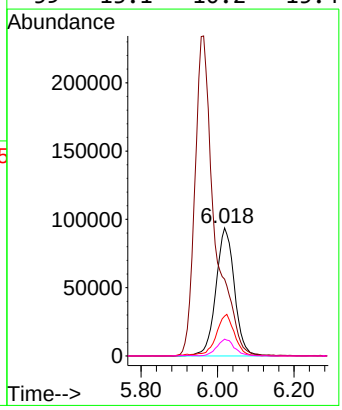
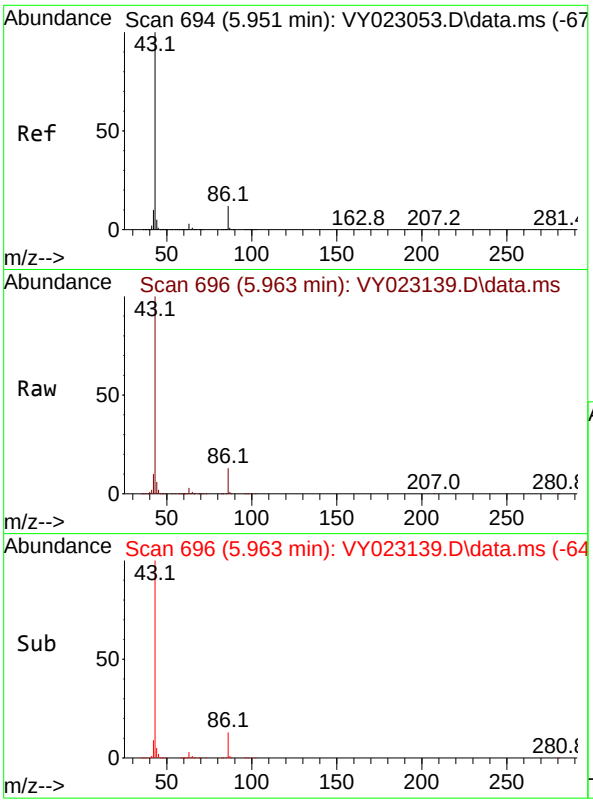


#22
Diisopropyl ether
Concen: 19.728 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 45 Resp: 314582

Ion	Ratio	Lower	Upper
45	100		
43	59.6	43.4	65.0
87	31.1	24.4	36.6
59	13.1	10.2	15.4

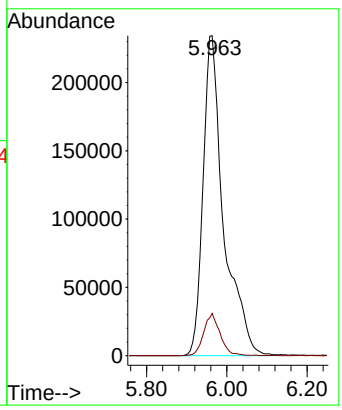




#23
Vinyl Acetate
Concen: 94.938 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 83710

Ion	Ratio	Lower	Upper
43	100		
86	13.2	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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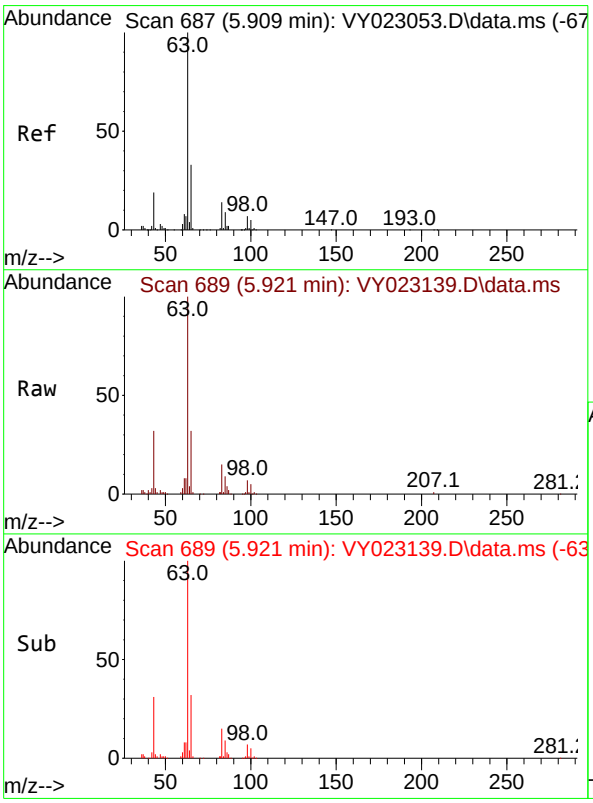
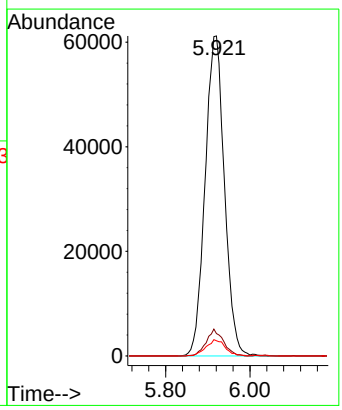
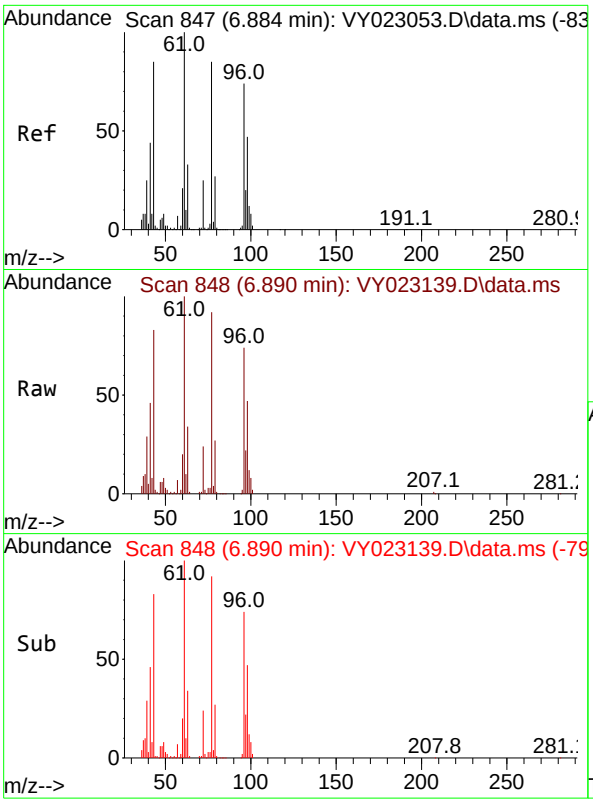


#24
1,1-Dichloroethane
Concen: 19.979 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 63 Resp: 194782

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.7	2.4	7.1

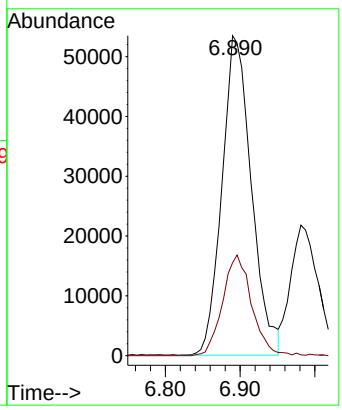




#25
2-Butanone
Concen: 100.847 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 14656

Ion	Ratio	Lower	Upper
43	100		
72	29.1	23.5	35.3



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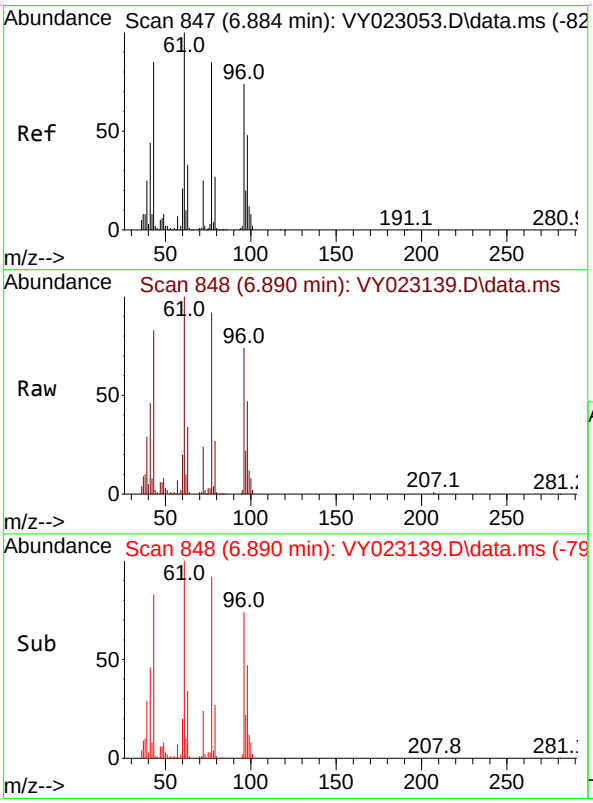
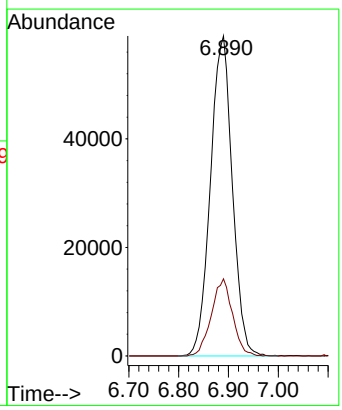
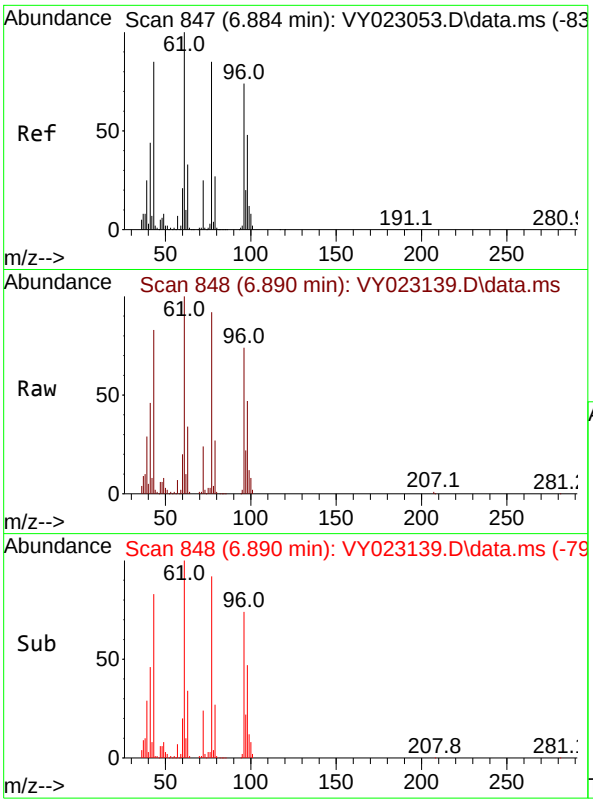


#26
2,2-Dichloropropane
Concen: 21.352 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 77 Resp: 179625

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8

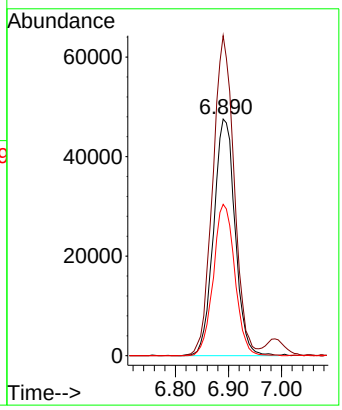




#27
cis-1,2-Dichloroethene
Concen: 20.582 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 96 Resp: 13335

Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	278.6
98	64.1	0.0	130.4



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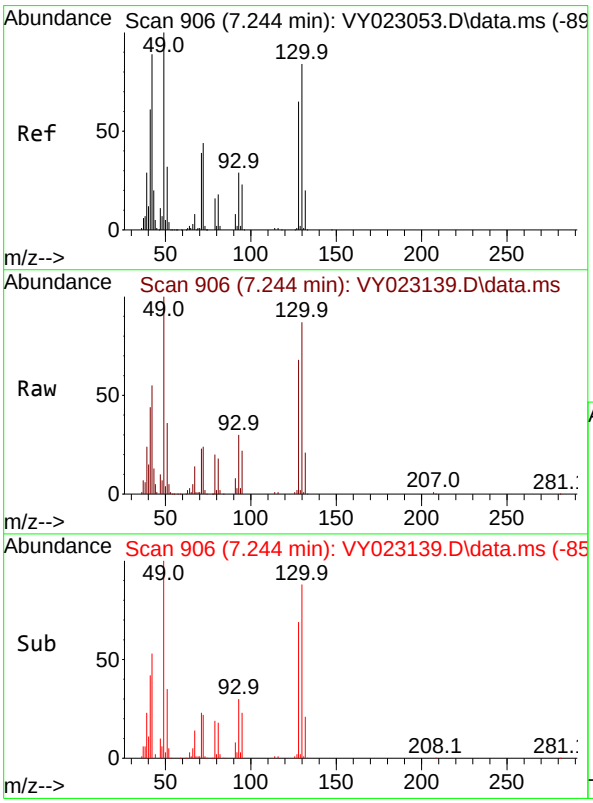
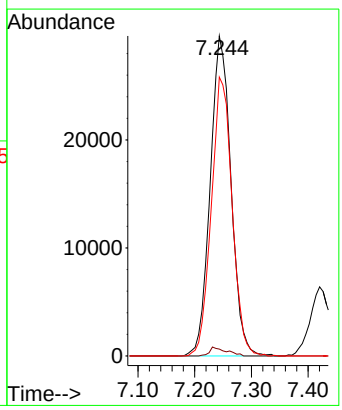
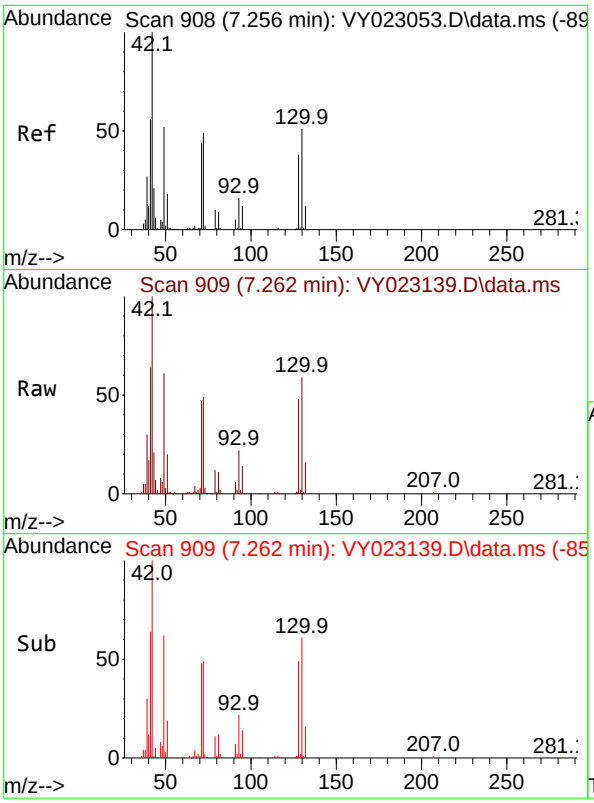


#28
Bromochloromethane
Concen: 19.474 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 49 Resp: 75324

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.0	66.4	99.6

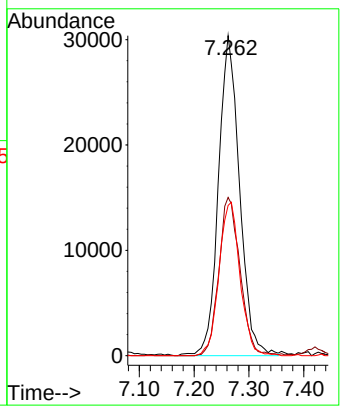




#29
Tetrahydrofuran
Concen: 90.389 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 42 Resp: 8142

Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.4	59.2
71	47.8	36.5	54.7



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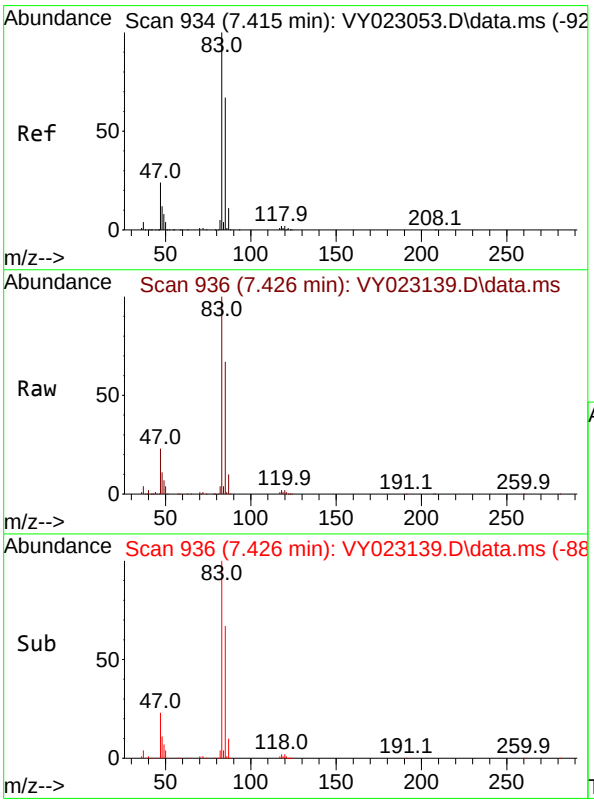
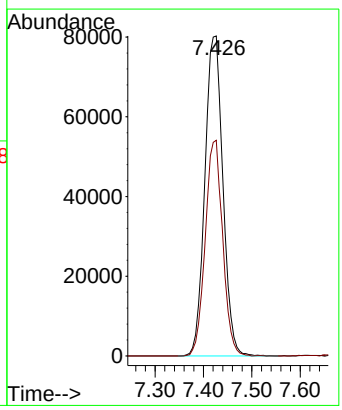
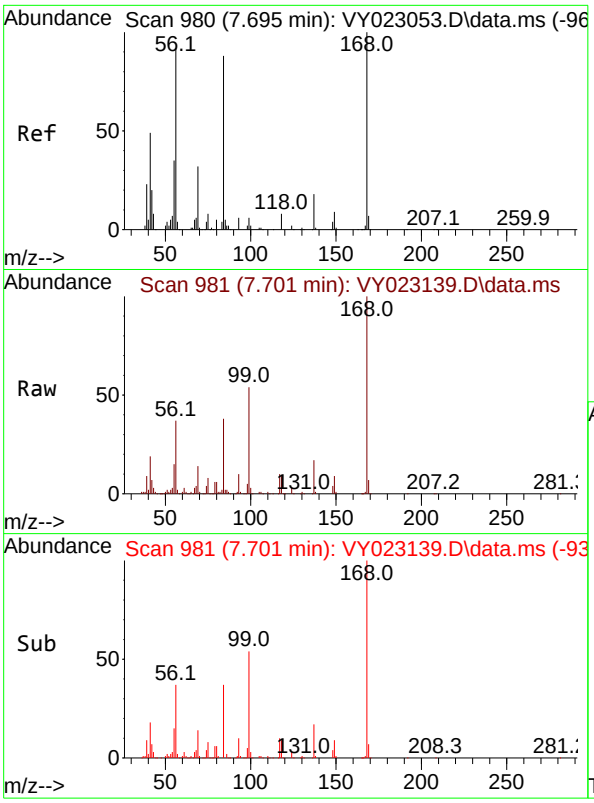


#30
Chloroform
Concen: 20.690 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 83 Resp: 208029

Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.8	80.8

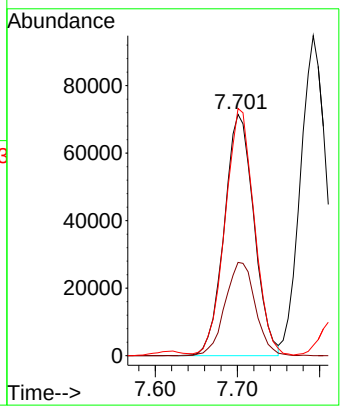




#31
Cyclohexane
Concen: 19.640 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 56 Resp: 18044

Ion	Ratio	Lower	Upper
56	100		
69	38.6	28.2	42.2
84	101.0	76.6	114.8



Instrument :
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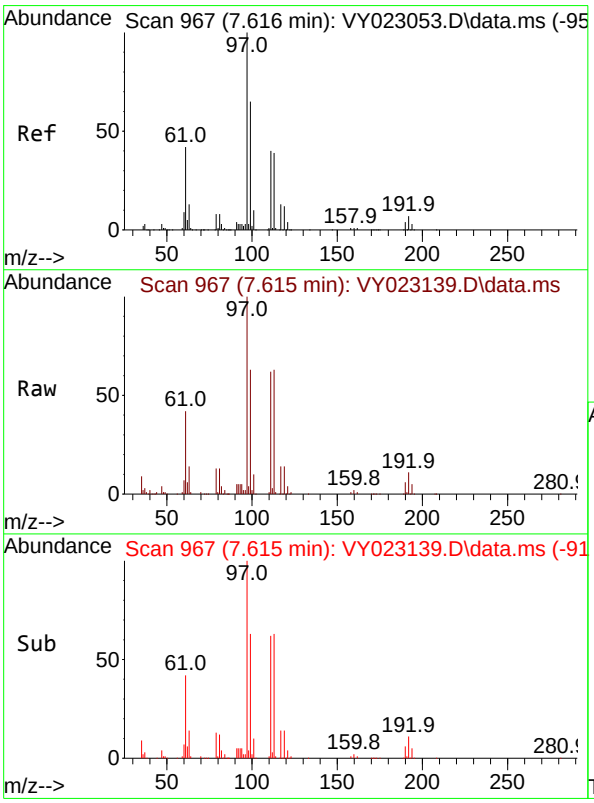
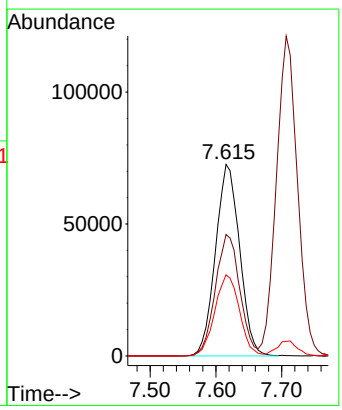
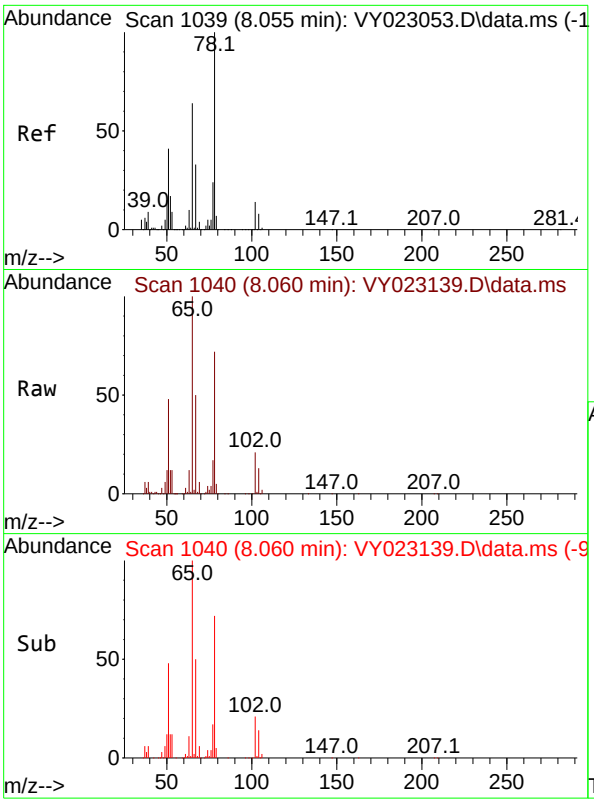


#32
1,1,1-Trichloroethane
Concen: 20.833 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 97 Resp: 185862

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.2	34.2	51.2

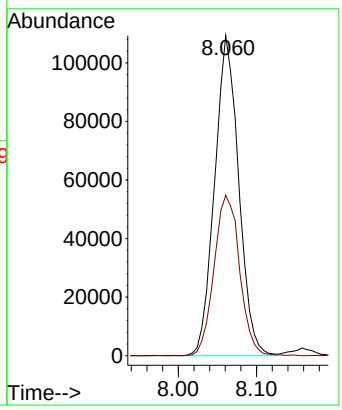




#33
1,2-Dichloroethane-d4
Concen: 47.365 ug/l
RT: 8.060 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 65 Resp: 23362

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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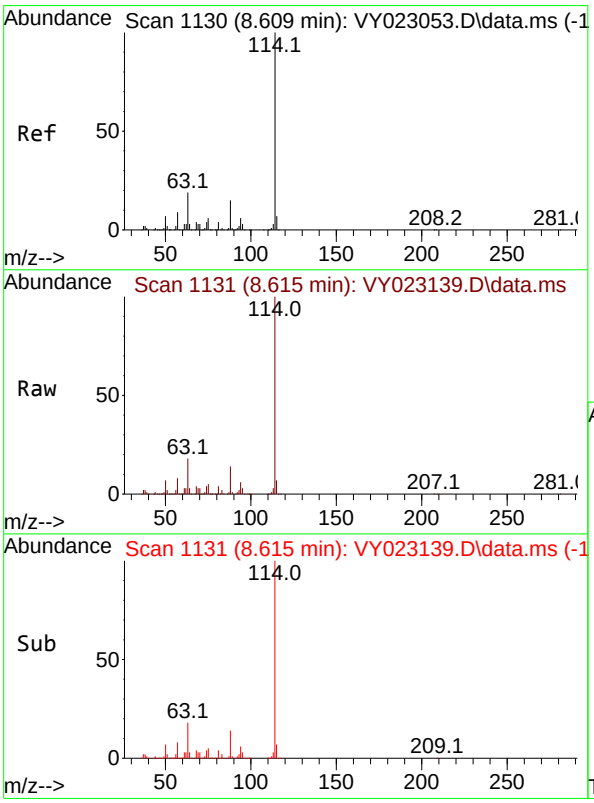
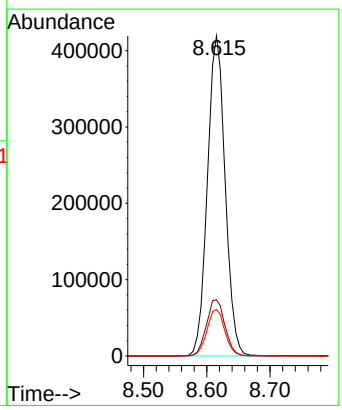
Supervised By :Mahesh Dadoda 08/20/2025

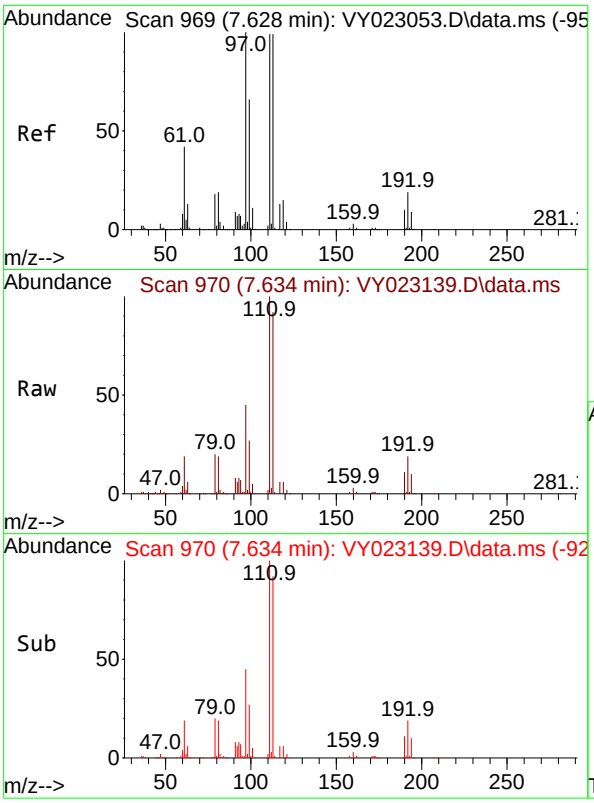


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:114 Resp: 816918

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	38.4
88	14.5	0.0	30.0

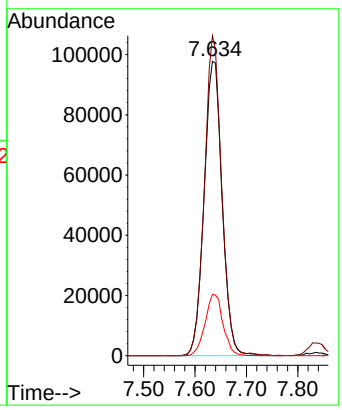




#35
Dibromofluoromethane
Concen: 48.567 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:113 Resp: 23740

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.1	121.7
192	20.8	16.2	24.4



Instrument :
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ClientSampleId :
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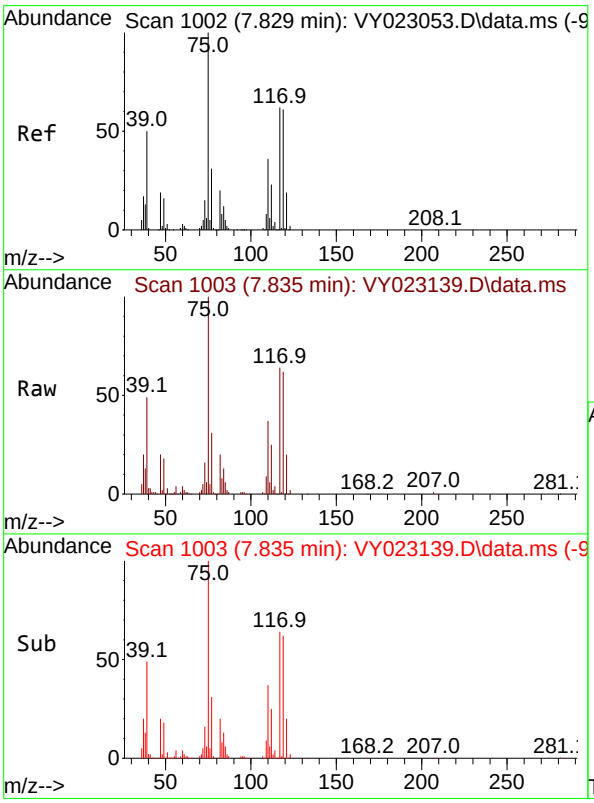
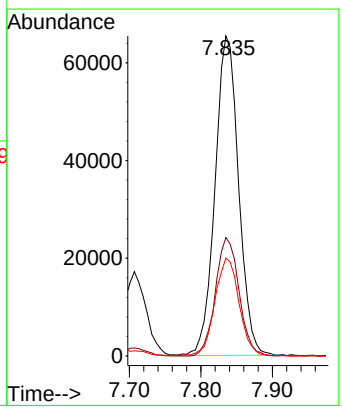
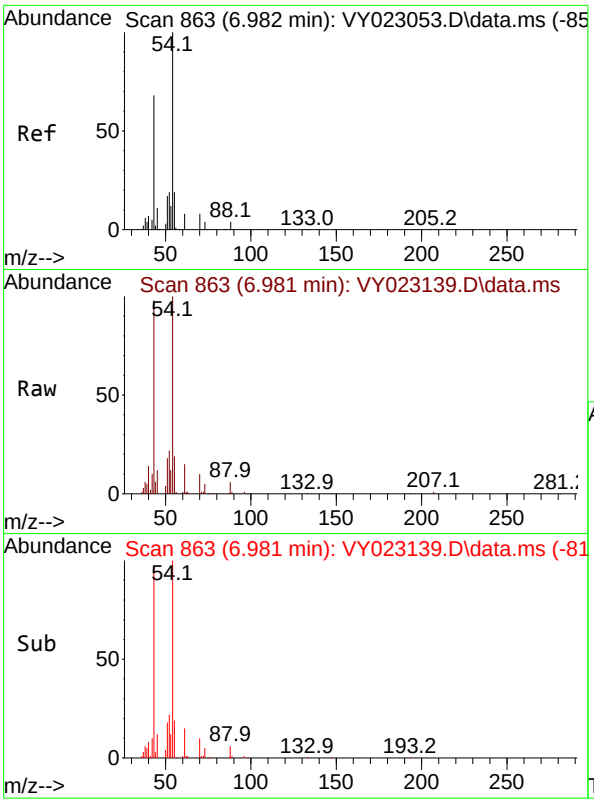


#36
1,1-Dichloropropene
Concen: 20.606 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 149696

Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.4
77	31.6	24.6	37.0

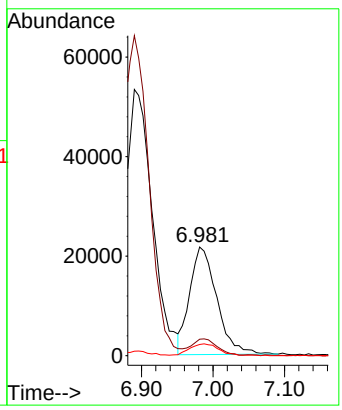




#37
Ethyl Acetate
Concen: 18.660 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 5694

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	12.3	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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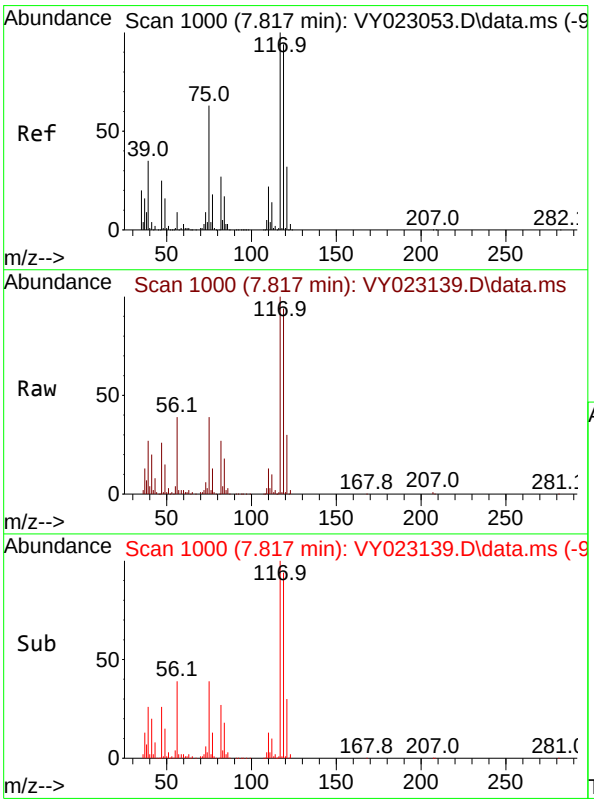
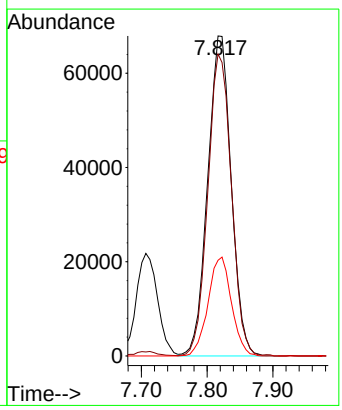
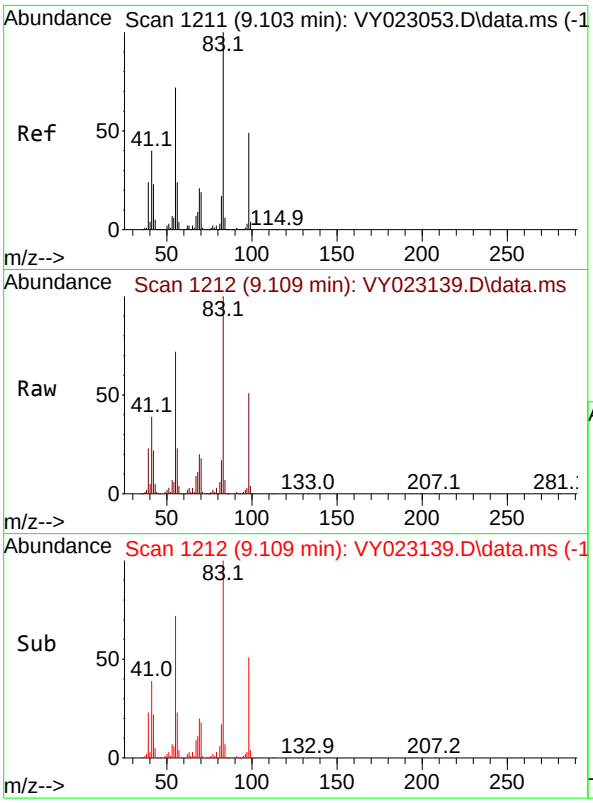


#38
Carbon Tetrachloride
Concen: 21.430 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:117 Resp: 169089

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.6	113.4
121	29.9	25.8	38.8





#39
Methylcyclohexane
Concen: 20.803 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 83 Resp: 19901

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.6	86.4
98	50.6	39.2	58.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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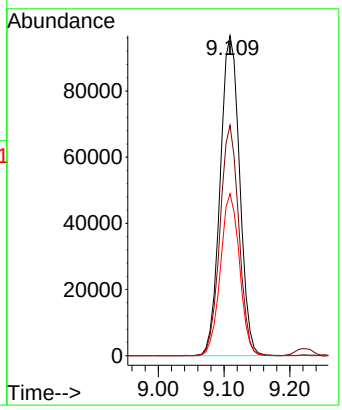
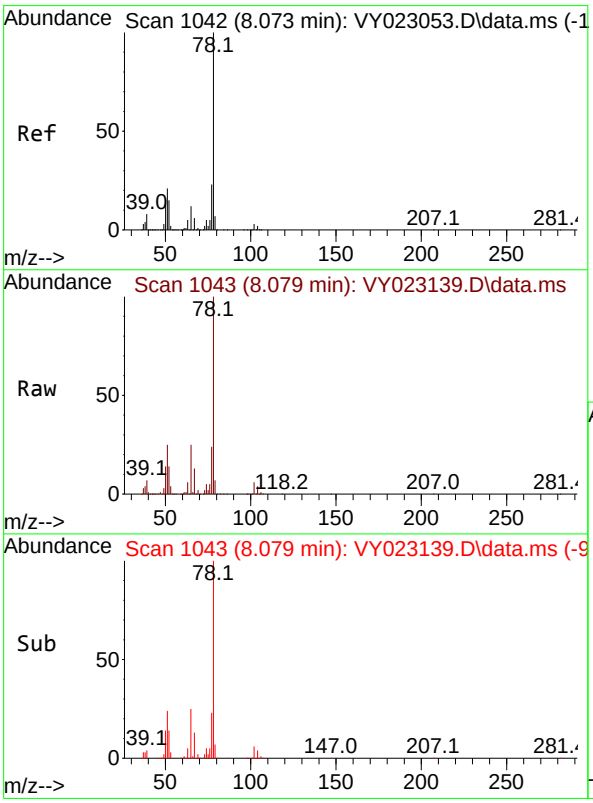
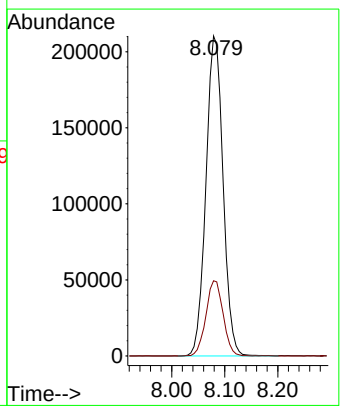


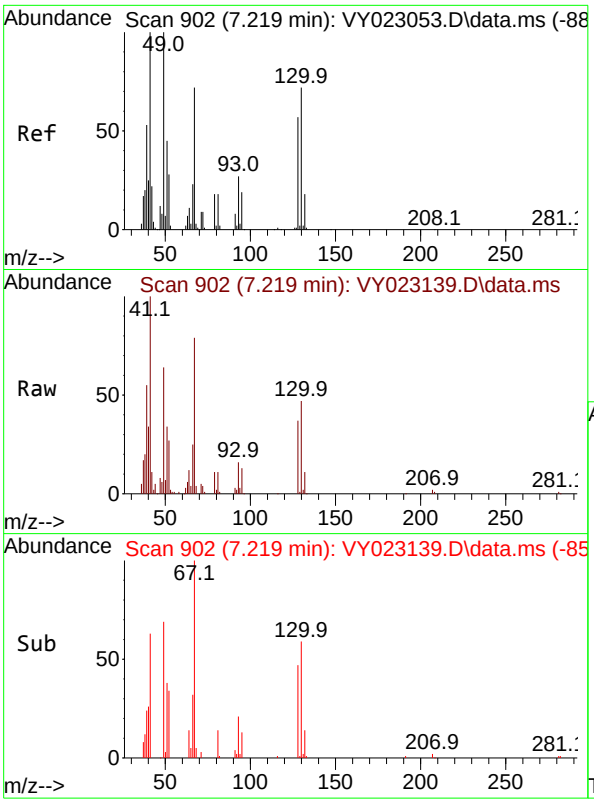


#40
Benzene
Concen: 21.055 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 78 Resp: 471421

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0

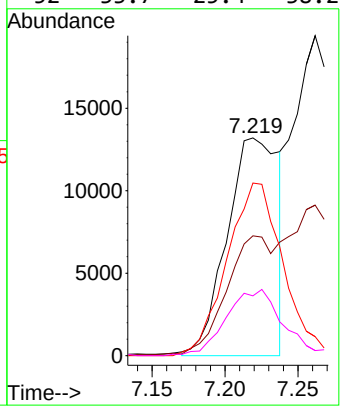




#41
Methacrylonitrile
Concen: 18.482 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 3254

Ion	Ratio	Lower	Upper
41	100		
39	47.7	43.4	65.2
67	86.5	63.6	95.4
52	33.7	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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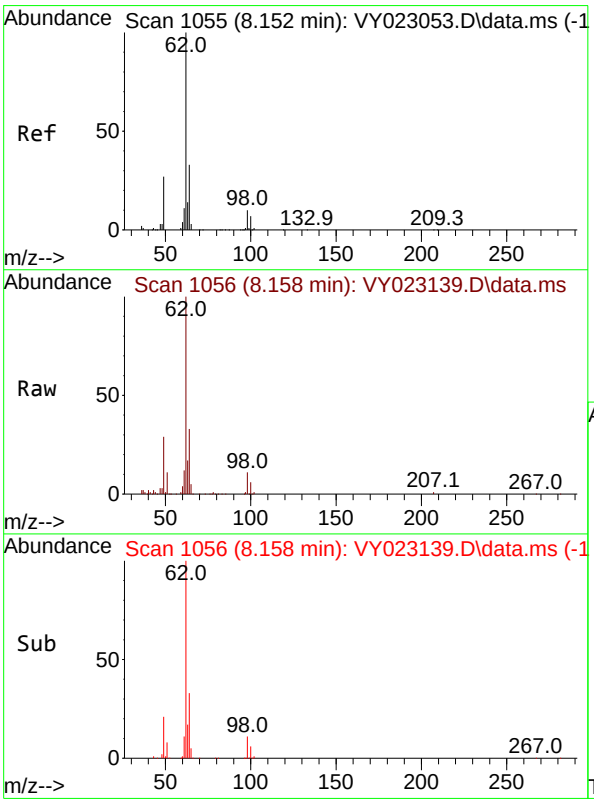
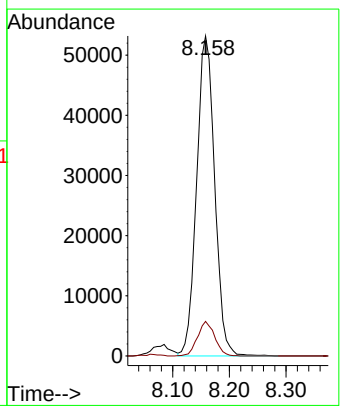
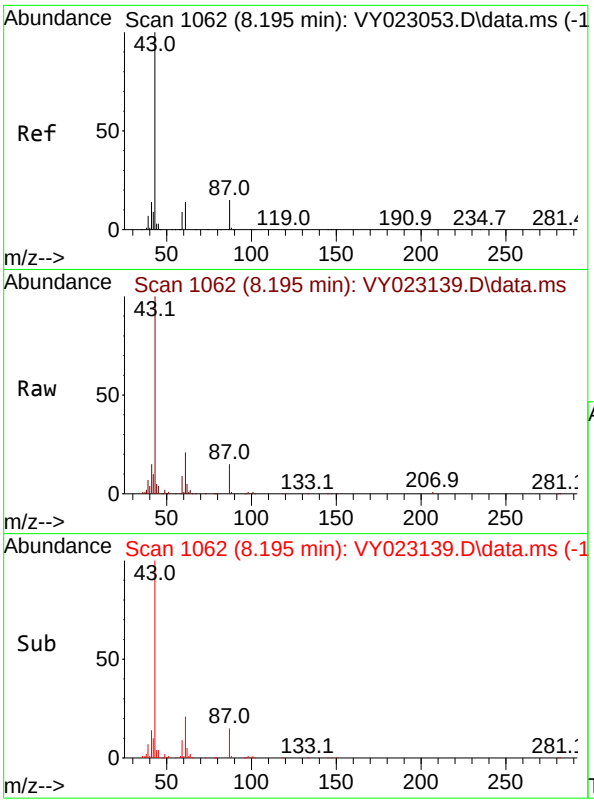


#42
1,2-Dichloroethane
Concen: 20.187 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 62 Resp: 117552

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43
Isopropyl Acetate
Concen: 18.431 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 11368

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	15.4	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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Reviewed By :John Carlone 08/20/2025
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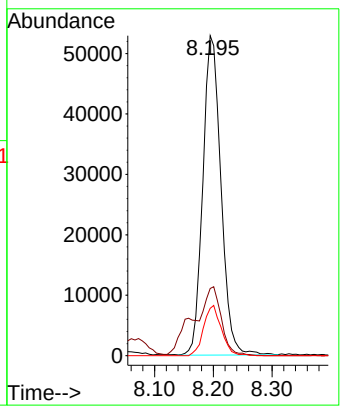
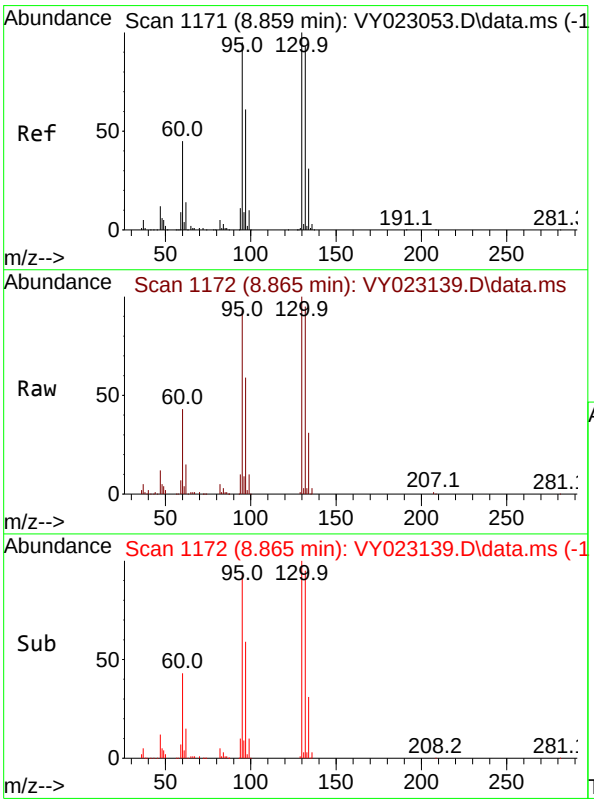
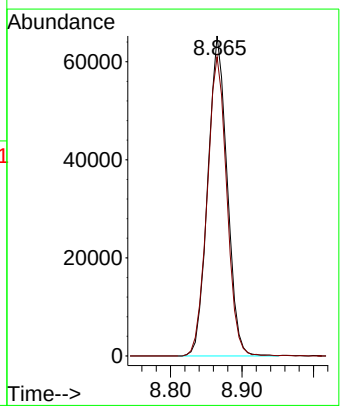


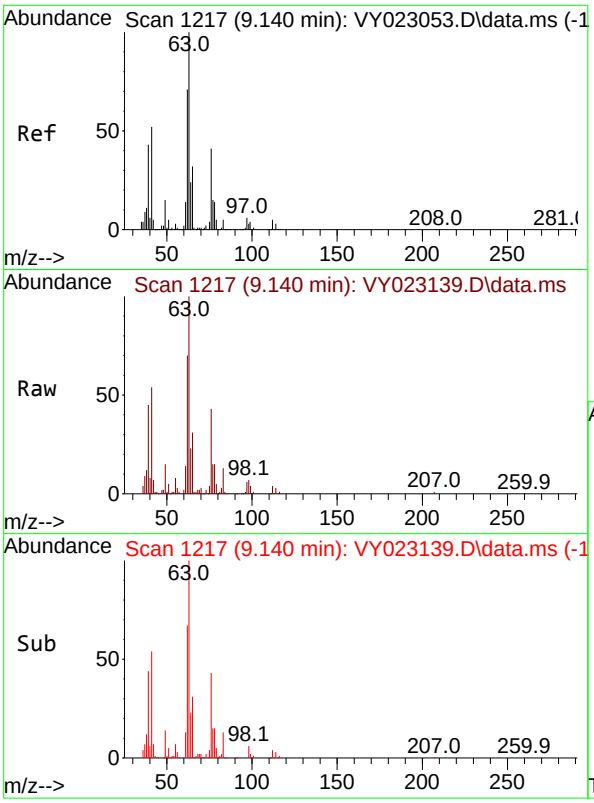


#44
Trichloroethene
Concen: 21.187 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:130 Resp: 122590

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	190.2

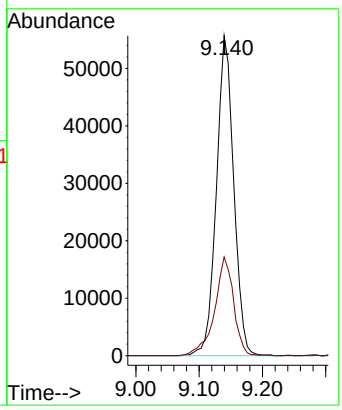




#45
1,2-Dichloropropane
Concen: 20.506 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 63 Resp: 10564

Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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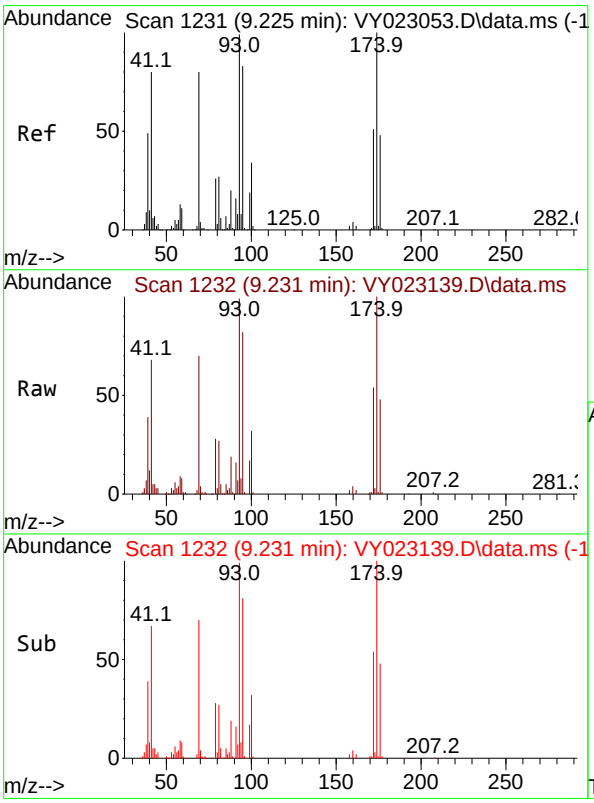
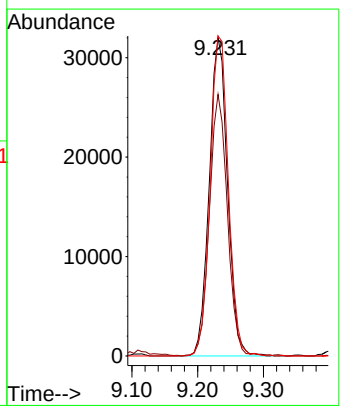
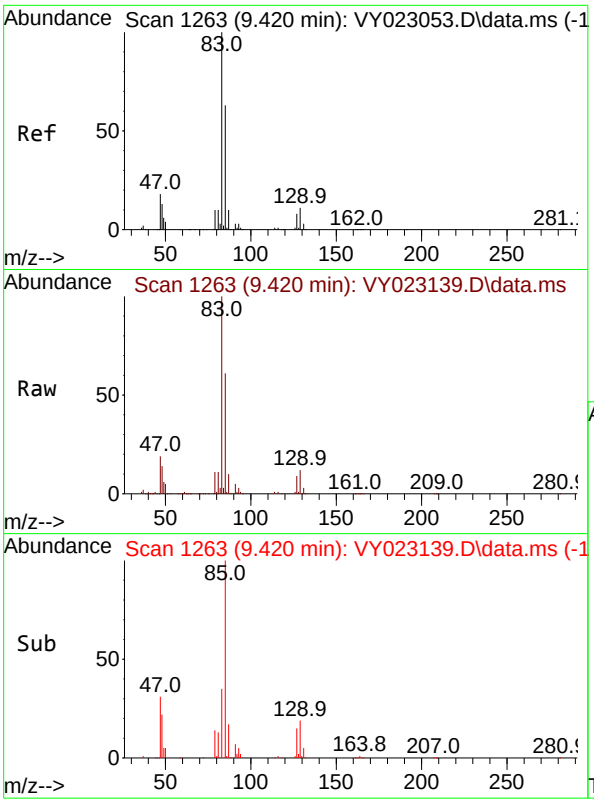


#46
Dibromomethane
Concen: 20.972 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 93 Resp: 62014

Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.5	99.7
174	99.4	81.8	122.8

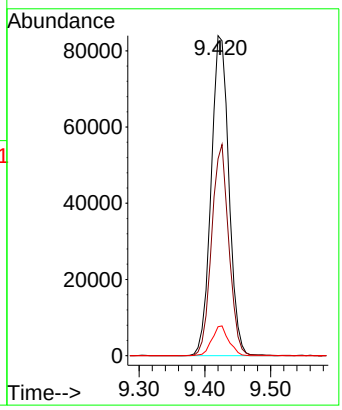




#47
Bromodichloromethane
Concen: 20.725 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 83 Resp: 15769

Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.2	75.4
127	9.1	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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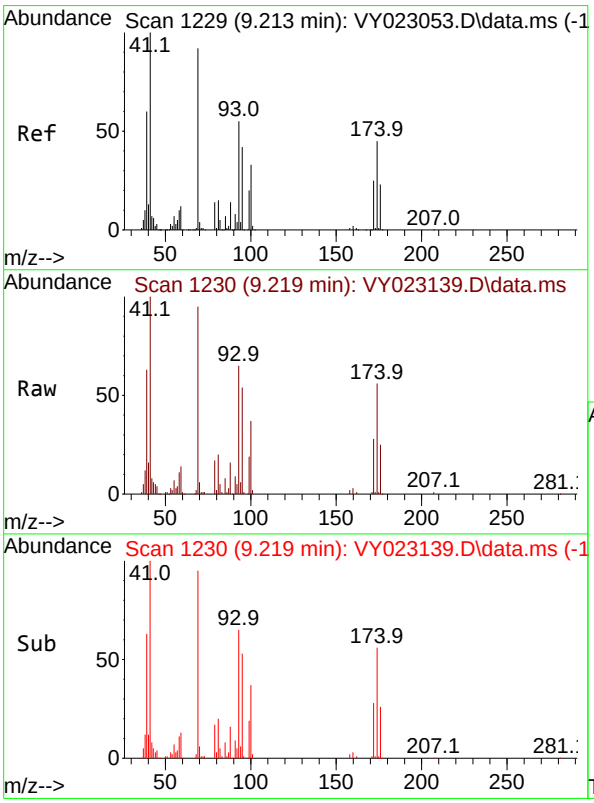
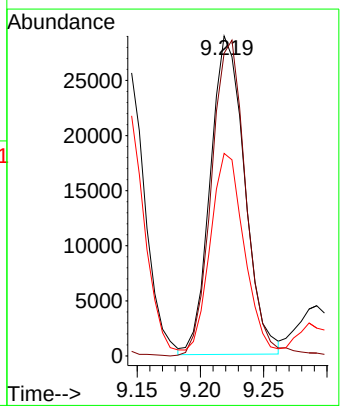
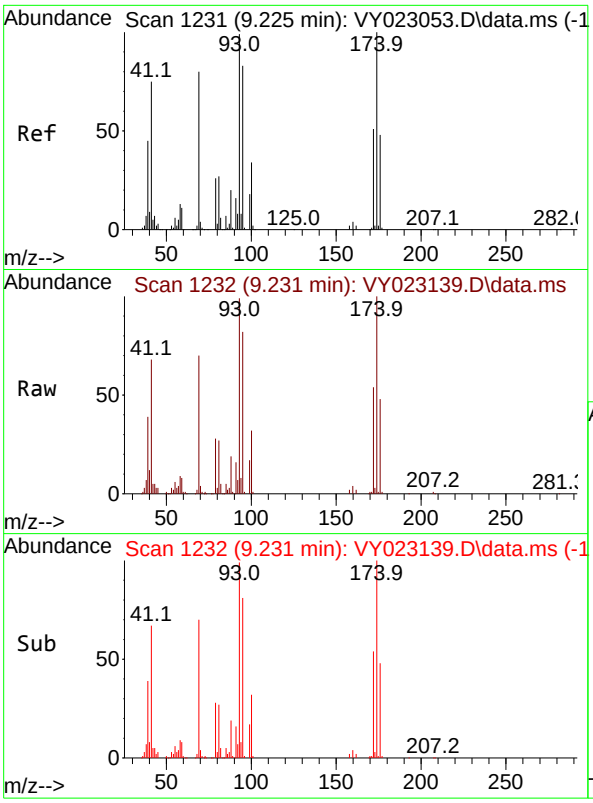


#48
Methyl methacrylate
Concen: 18.499 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 54599

Ion	Ratio	Lower	Upper
41	100		
69	99.3	73.2	109.8
39	62.8	47.0	70.4

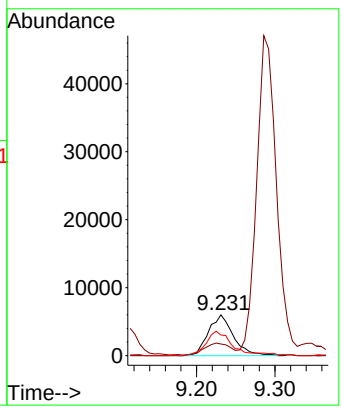




#49
1,4-Dioxane
Concen: 383.459 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 88 Resp: 1329

Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.3	36.5
58	65.0	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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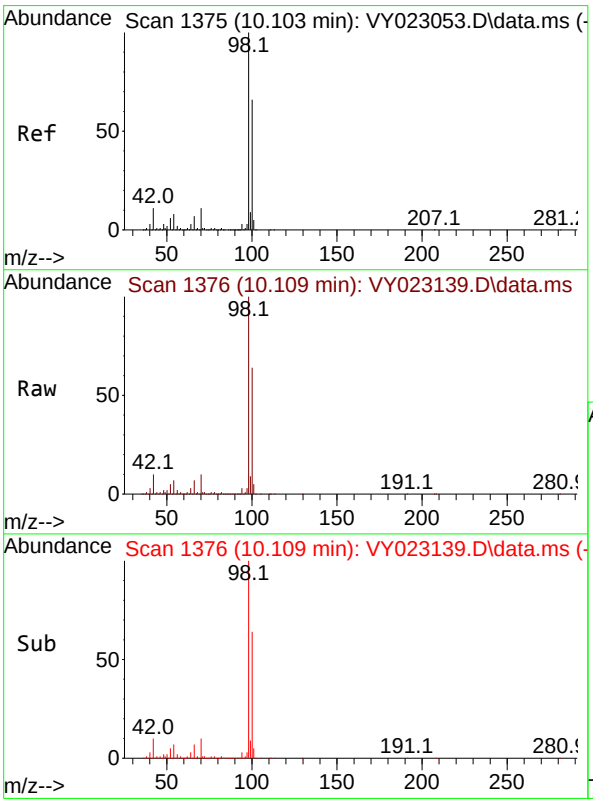
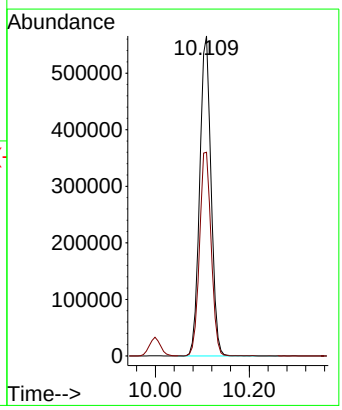
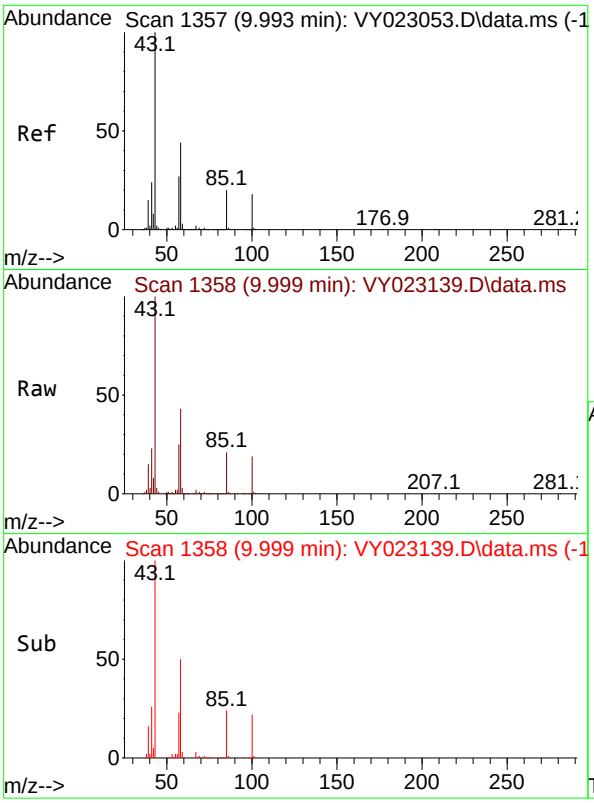


#50
Toluene-d8
Concen: 49.608 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 98 Resp: 947313

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

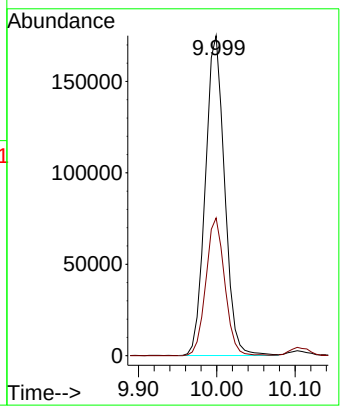




#51
4-Methyl-2-Pentanone
Concen: 93.721 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 29817

Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.5	50.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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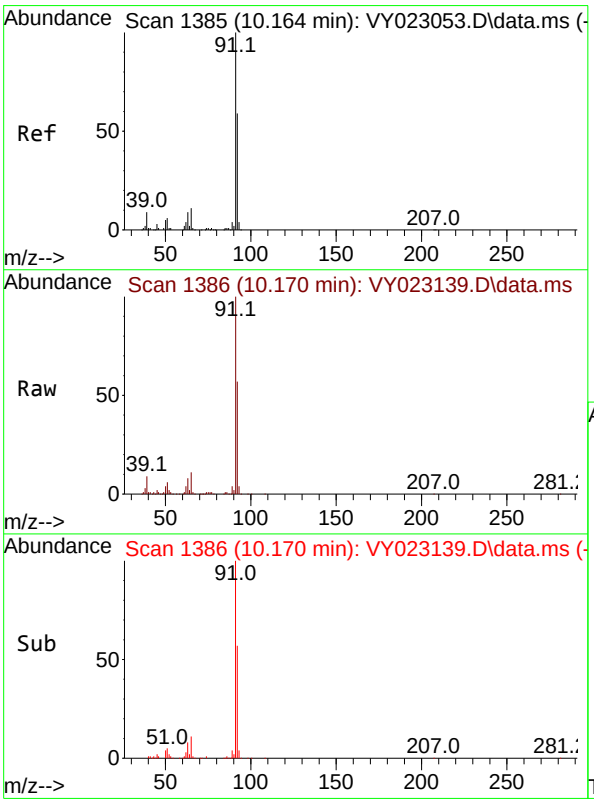
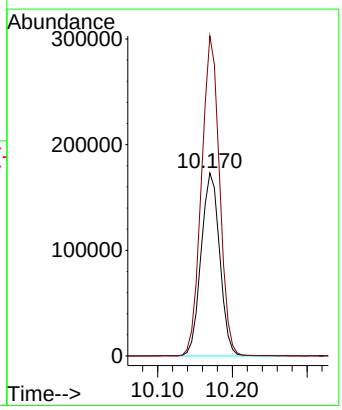
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

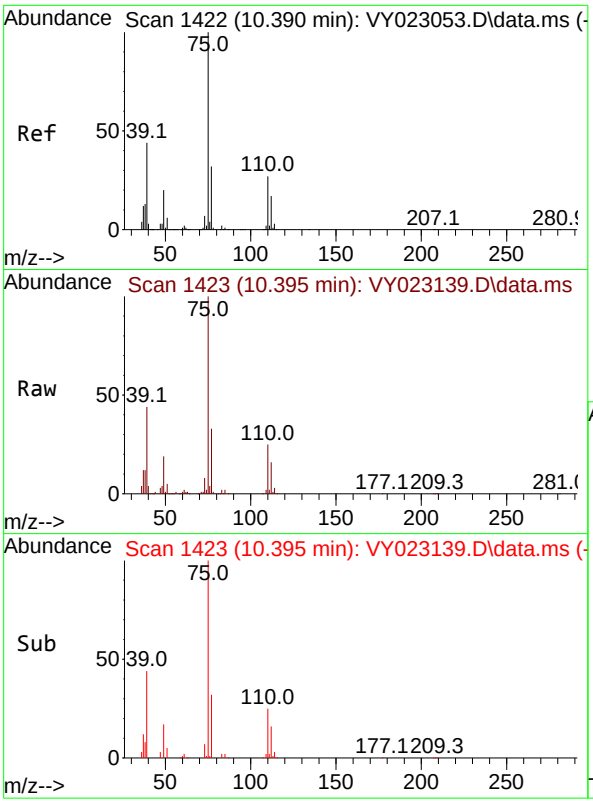


#52
Toluene
Concen: 21.028 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 92 Resp: 299030

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.4	204.6

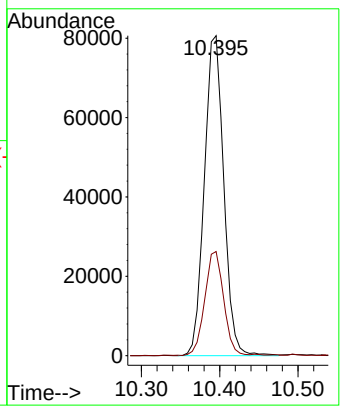




#53
t-1,3-Dichloropropene
Concen: 20.144 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 13879

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5



Instrument :
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ClientSampleId :
VY0819SBS01

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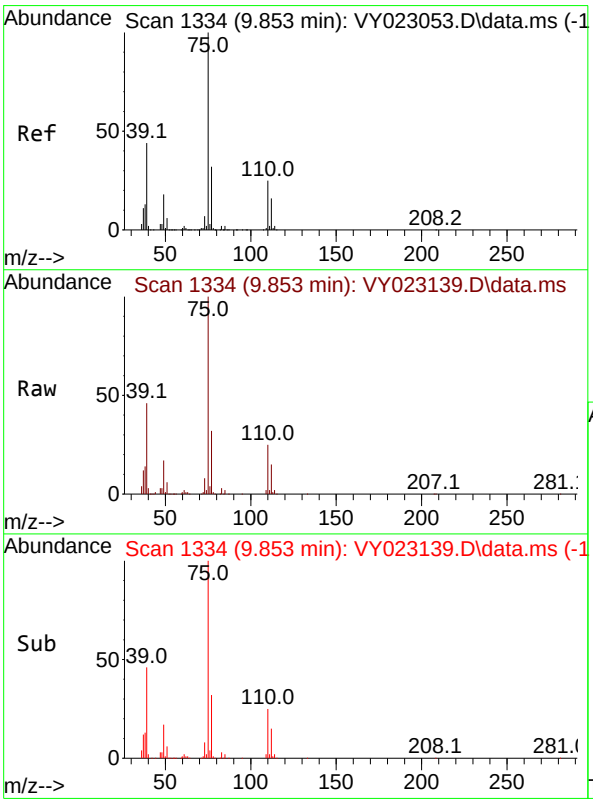
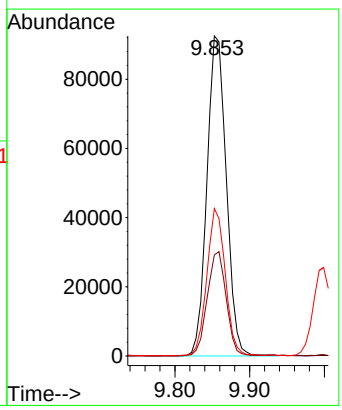
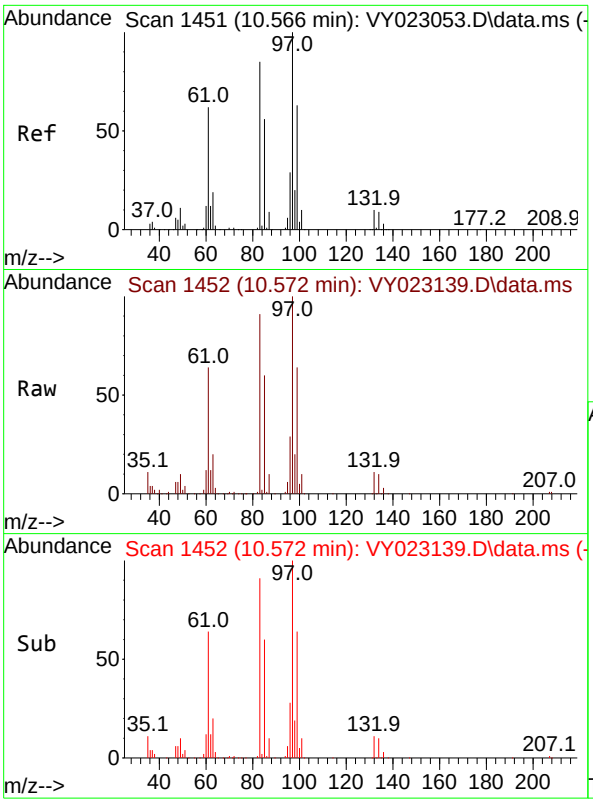


#54
cis-1,3-Dichloropropene
Concen: 20.453 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 166637

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	46.0	35.6	53.4

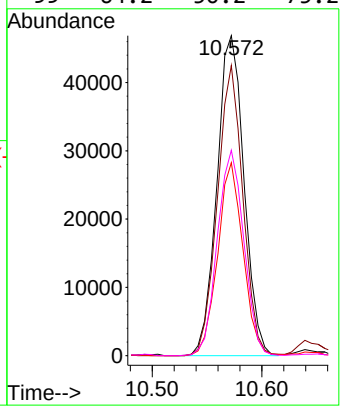




#55
1,1,2-Trichloroethane
Concen: 20.350 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 97 Resp: 8052

Ion	Ratio	Lower	Upper
97	100		
83	90.7	67.7	101.5
85	60.3	44.5	66.7
99	64.2	50.2	75.2



Instrument :
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ClientSampleId :
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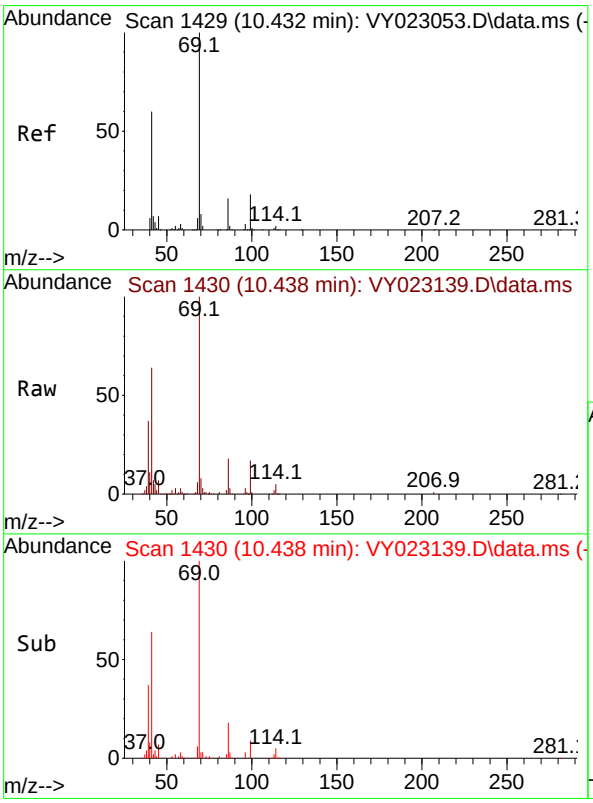
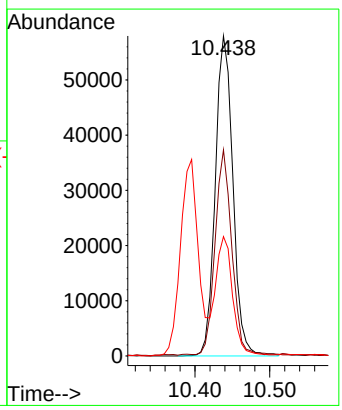
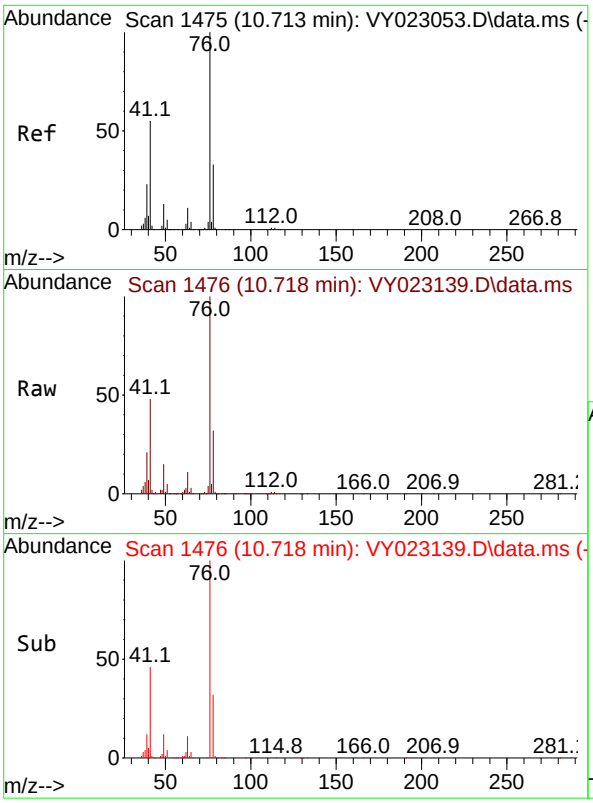


#56
Ethyl methacrylate
Concen: 18.741 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 69 Resp: 94888

Ion	Ratio	Lower	Upper
69	100		
41	61.1	48.6	72.8
39	34.5	27.0	40.4

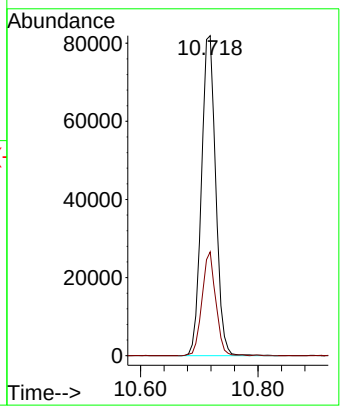




#57
1,3-Dichloropropane
Concen: 20.594 ug/l
RT: 10.718 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 76 Resp: 13819

Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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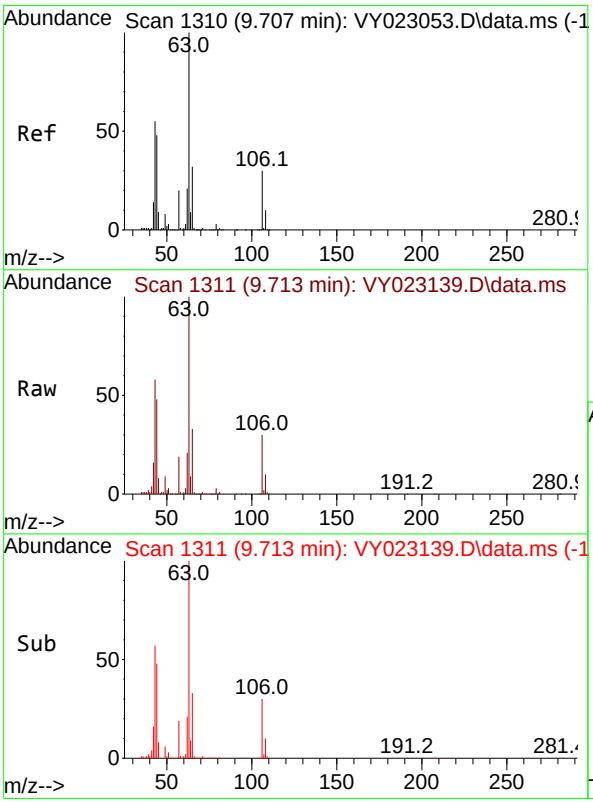
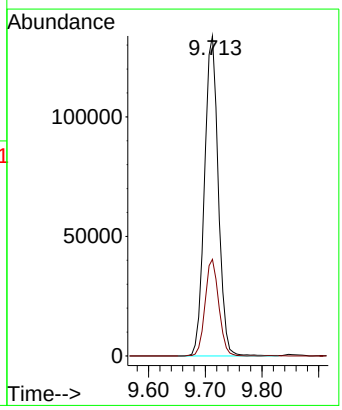
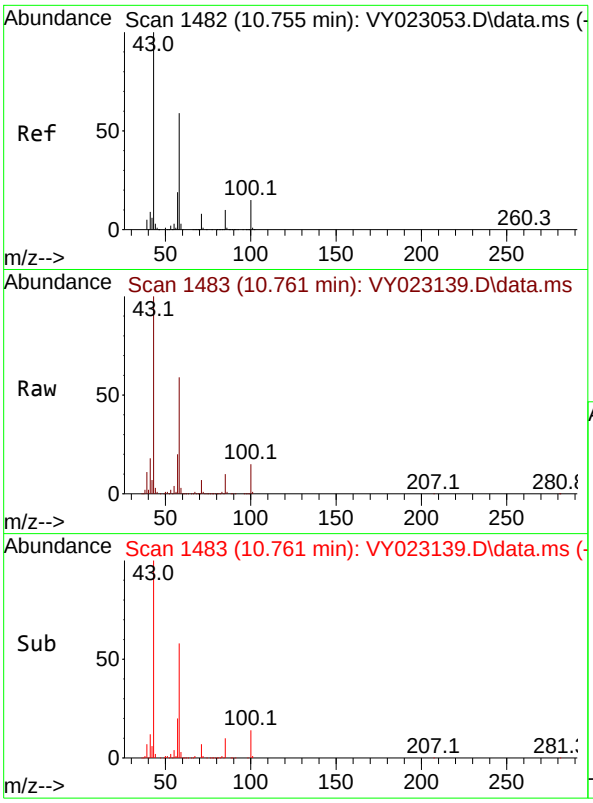


#58
2-Chloroethyl Vinyl ether
Concen: 94.672 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 63 Resp: 226098

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.2	34.8

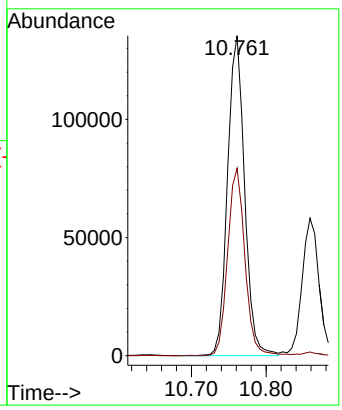




#59
2-Hexanone
Concen: 99.034 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 21454

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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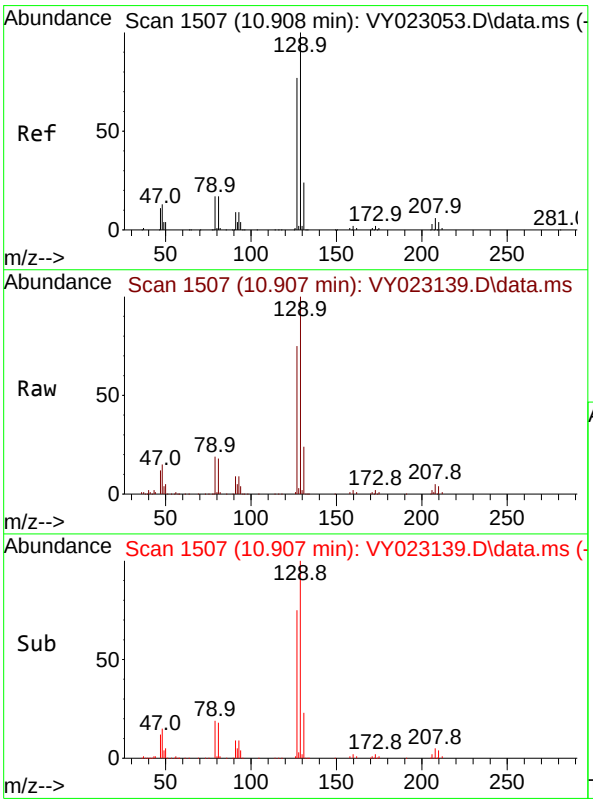
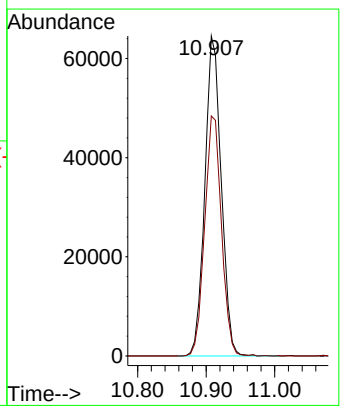
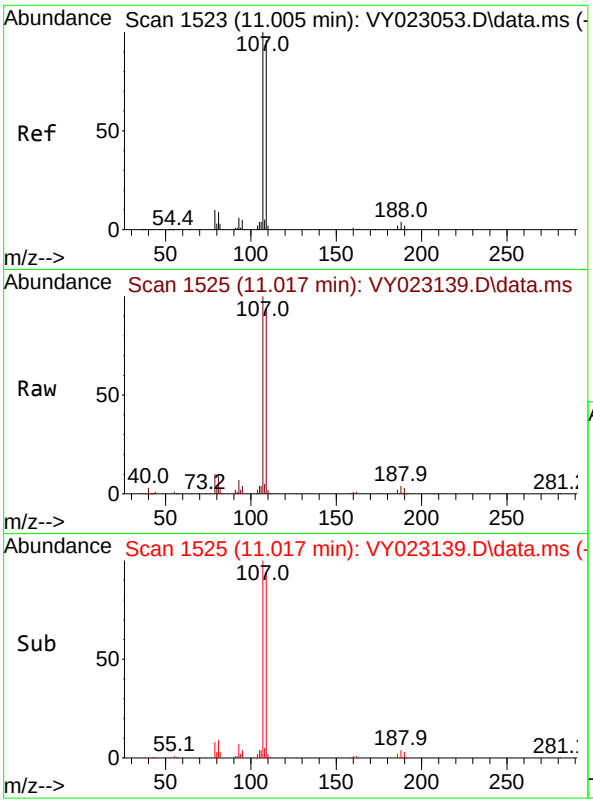


#60
Dibromochloromethane
Concen: 20.554 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:129 Resp: 107311

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5

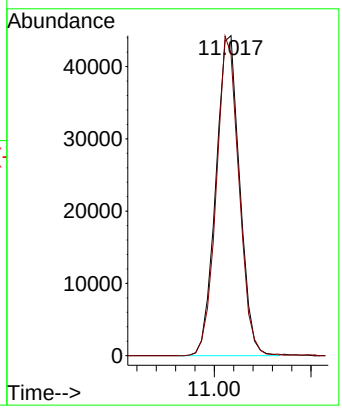




#61
1,2-Dibromoethane
Concen: 20.280 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:107 Resp: 7541

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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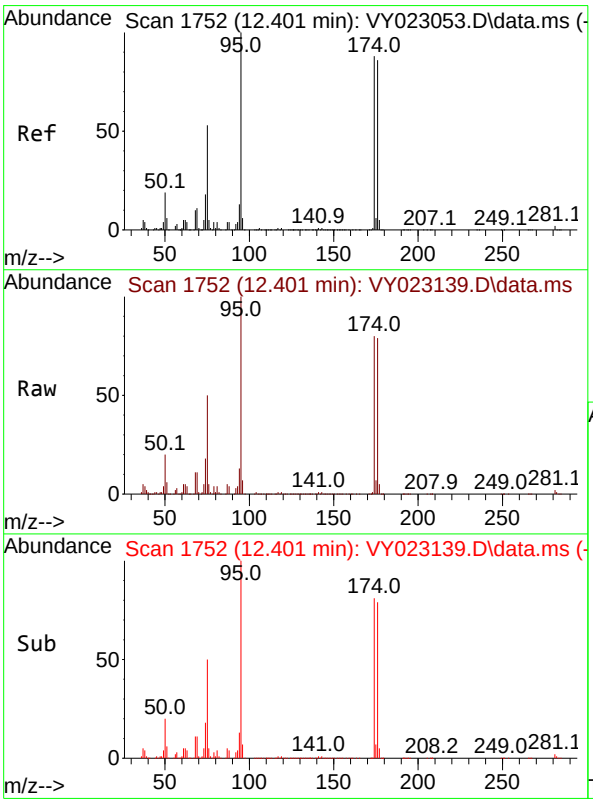
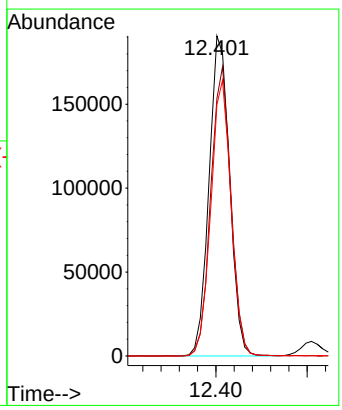
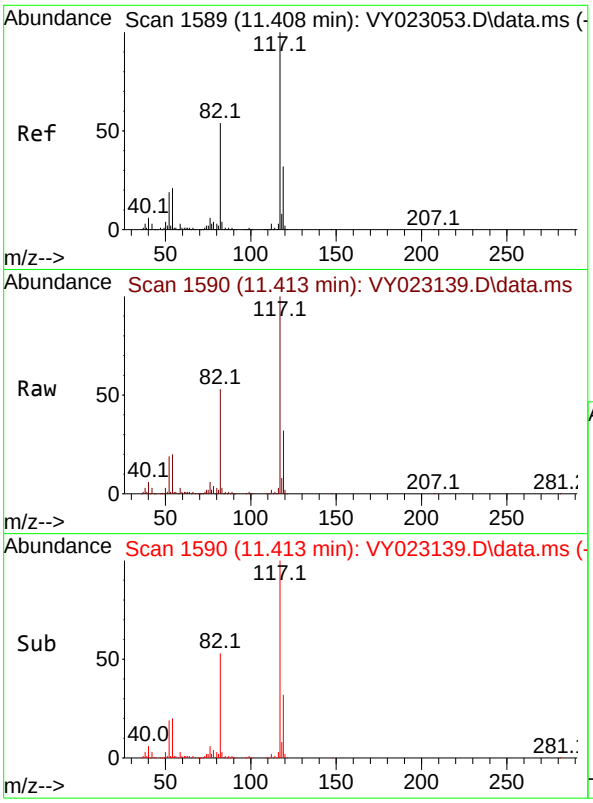


#62
4-Bromofluorobenzene
Concen: 48.544 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 95 Resp: 298119

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	171.6
176	85.0	0.0	167.6

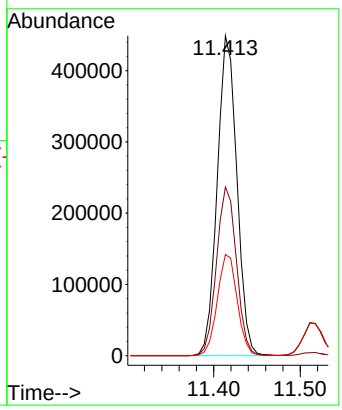




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:117 Resp: 70720

Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	31.6	25.6	38.4



Instrument :
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ClientSampleId :
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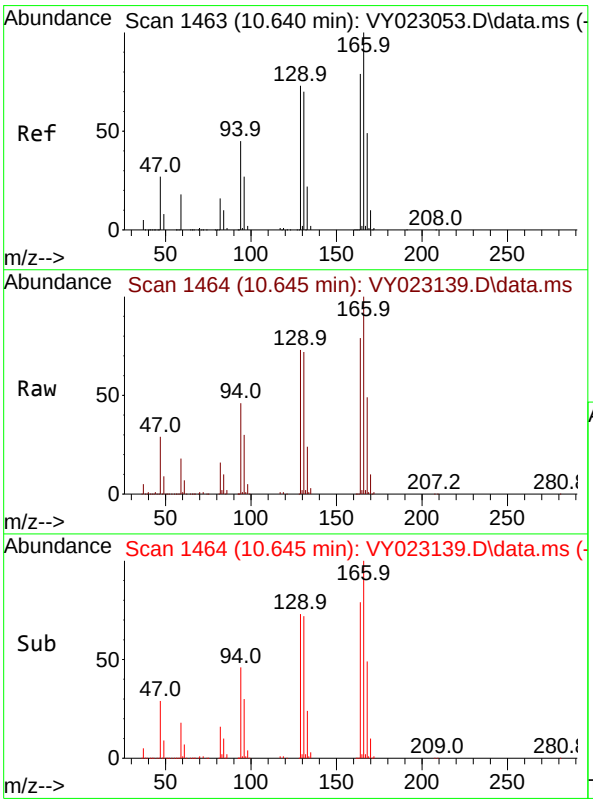
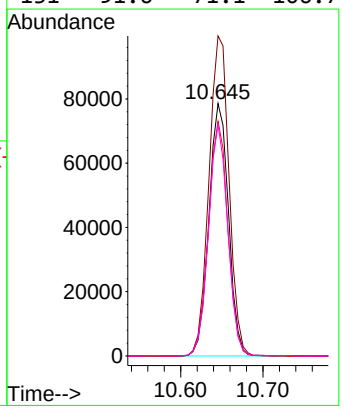
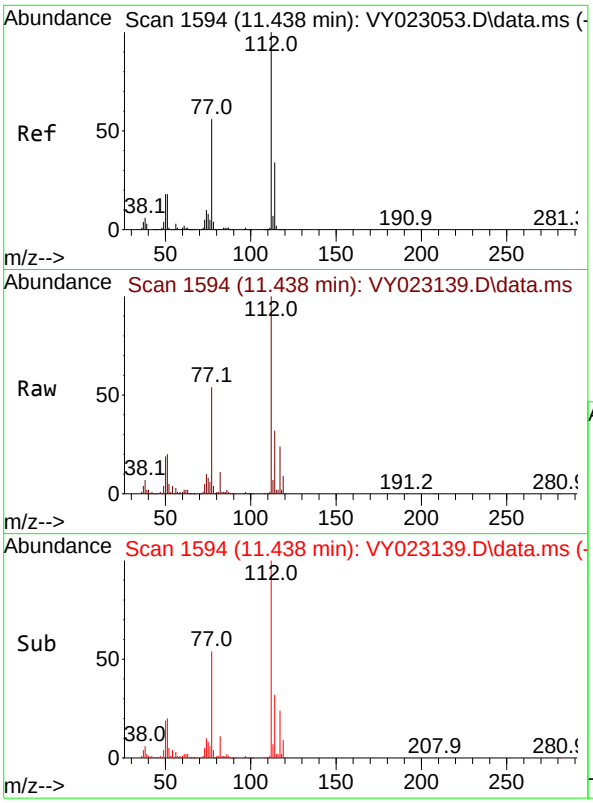


#64
Tetrachloroethene
Concen: 20.532 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:164 Resp: 129655

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.1	151.7
129	92.9	74.0	111.0
131	91.6	71.1	106.7

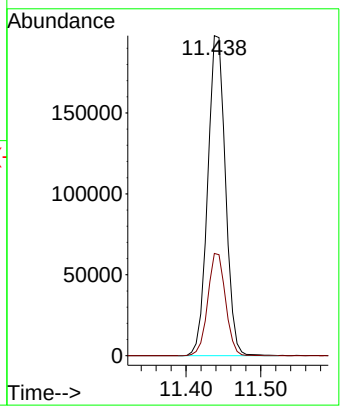




#65
Chlorobenzene
Concen: 21.346 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:112 Resp: 32562

Ion	Ratio	Lower	Upper
112	100		
114	31.9	27.0	40.4



Instrument :
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ClientSampleId :
VY0819SBS01

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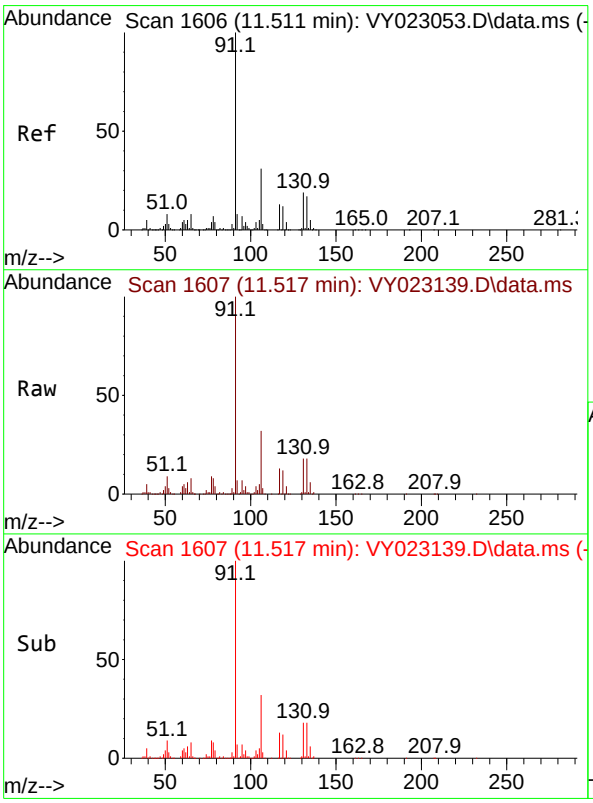
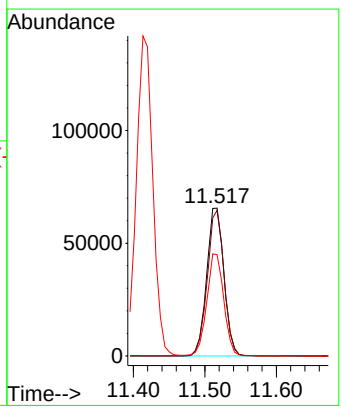
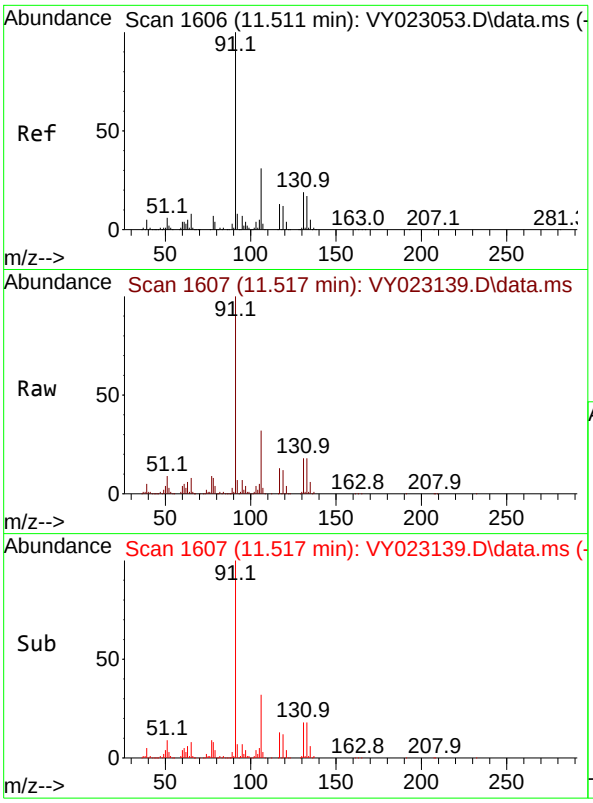


#66
1,1,1,2-Tetrachloroethane
Concen: 21.199 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:131 Resp: 109752

Ion	Ratio	Lower	Upper
131	100		
133	95.3	46.9	140.6
119	67.9	33.2	99.6

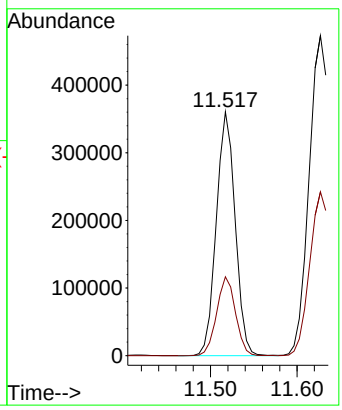




#67
Ethyl Benzene
Concen: 20.767 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 54517

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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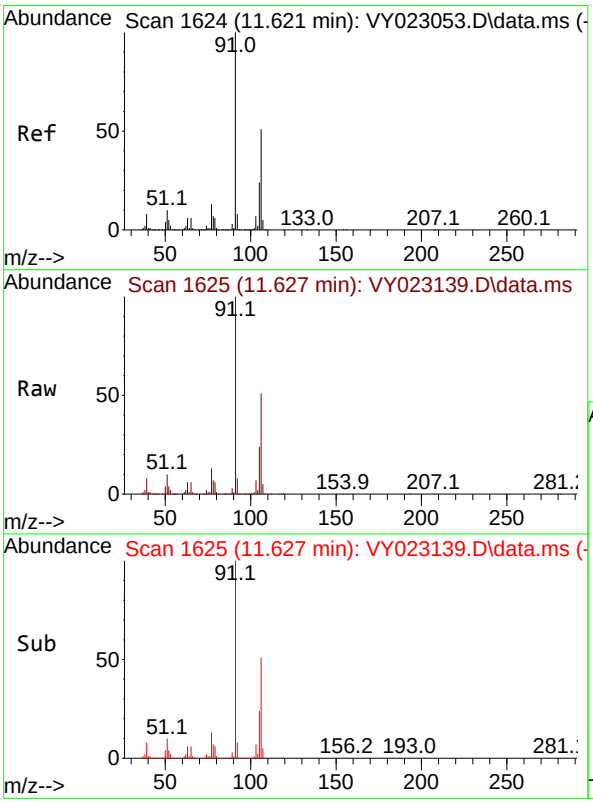
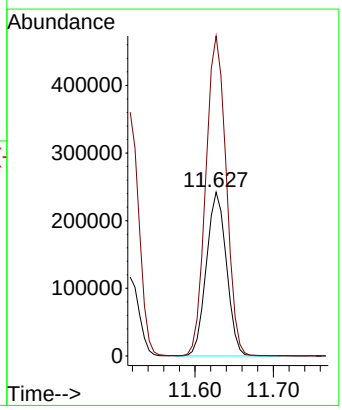
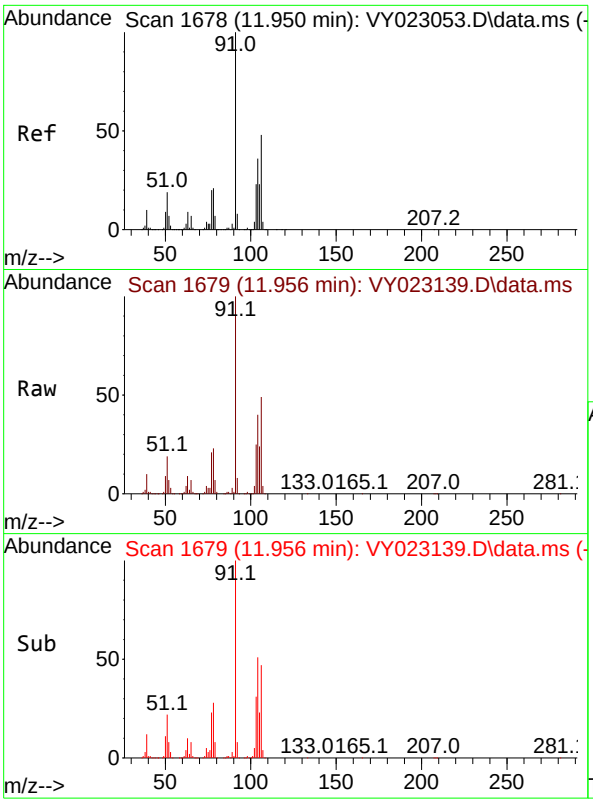


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:106 Resp: 430120

Ion	Ratio	Lower	Upper
106	100		
91	198.8	158.6	238.0

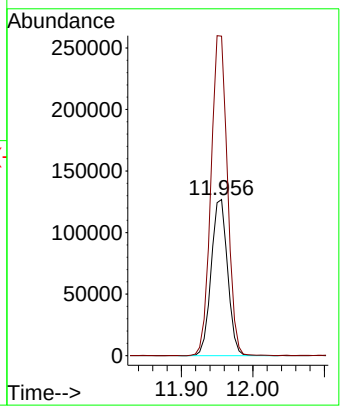




#69
o-Xylene
Concen: 21.020 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:106 Resp: 20184

Ion	Ratio	Lower	Upper
106	100		
91	206.0	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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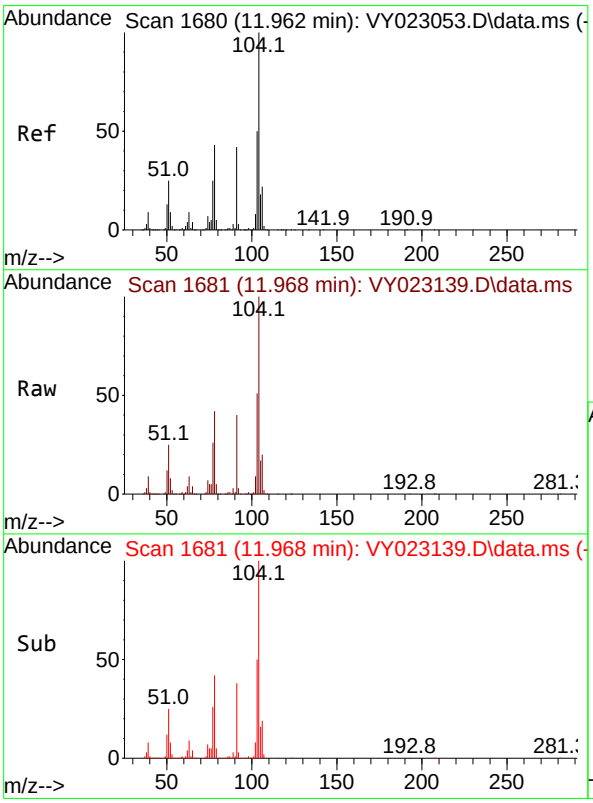
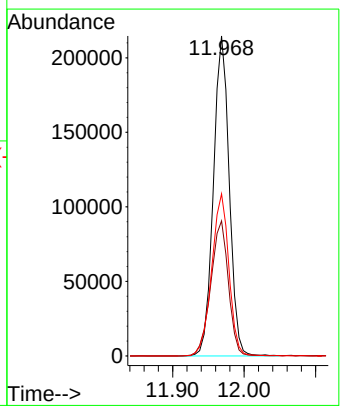
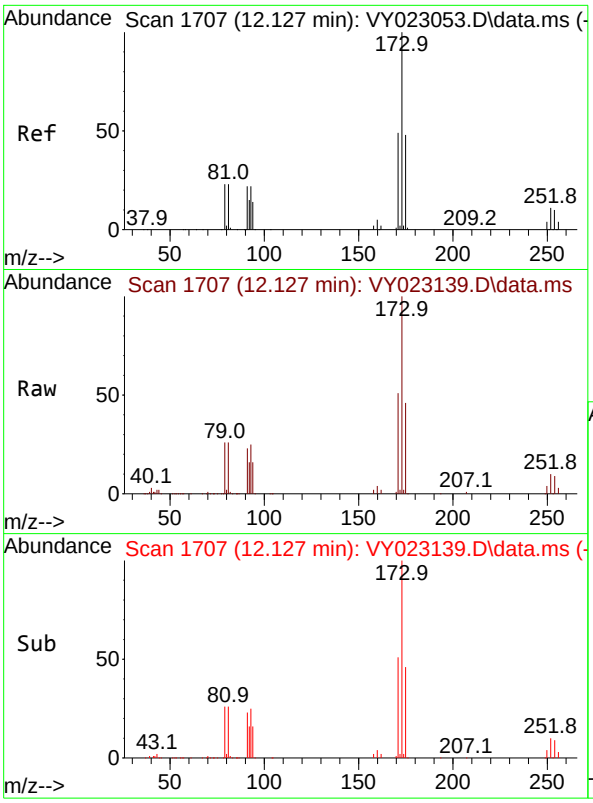


#70
Styrene
Concen: 21.028 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:104 Resp: 330216

Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.5	57.7
103	55.0	43.7	65.5

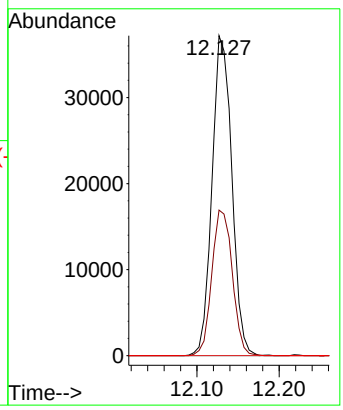




#71
Bromoform
Concen: 20.525 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:173 Resp: 6210

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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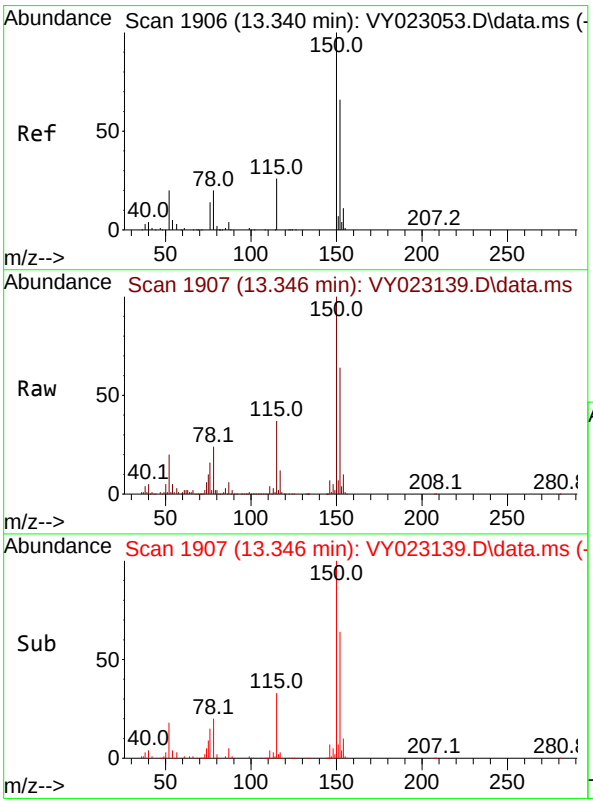
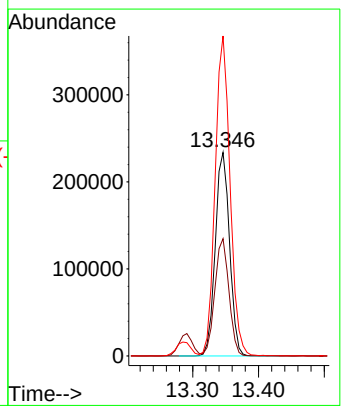
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

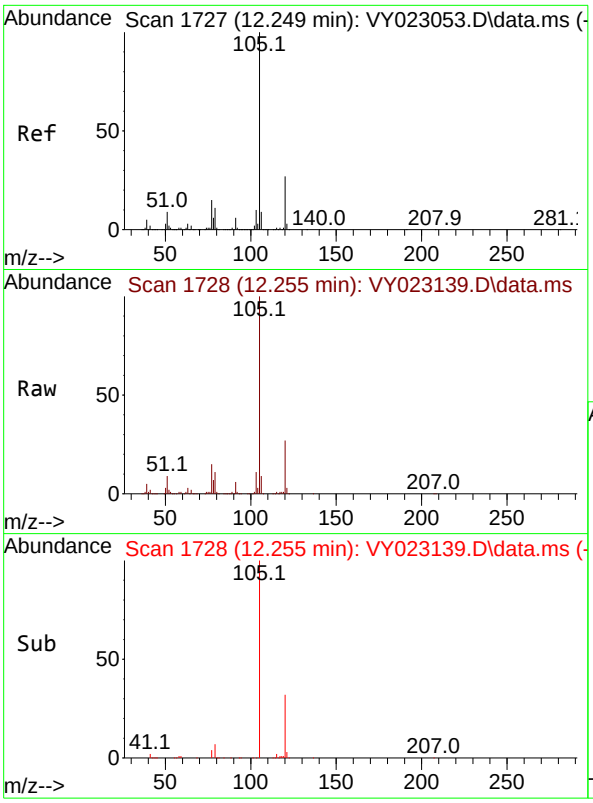


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:152 Resp: 352720

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.2	84.6
150	164.2	0.0	348.0

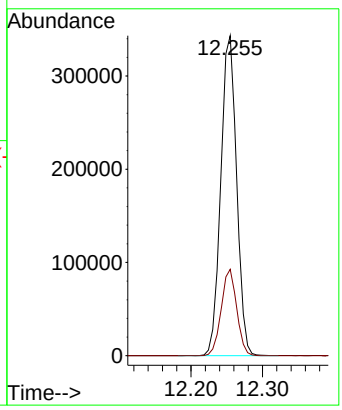




#73
Isopropylbenzene
Concen: 21.185 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 52738

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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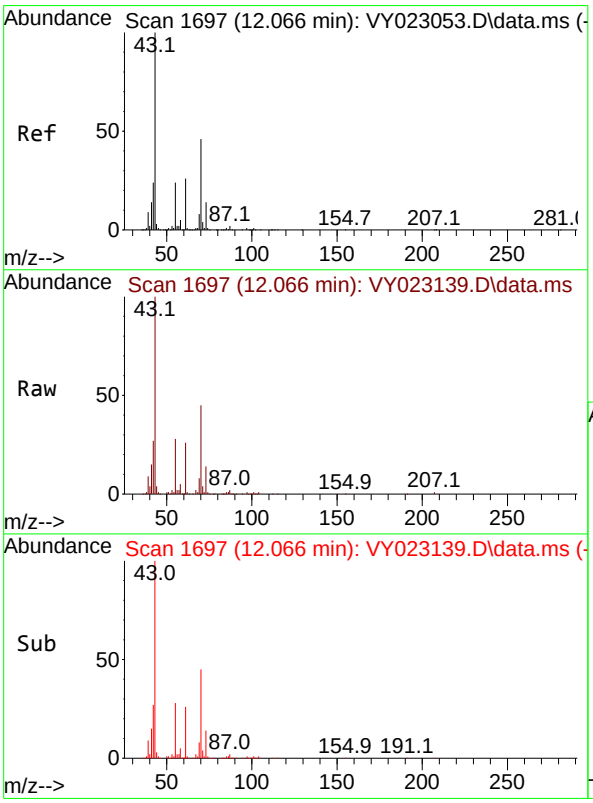
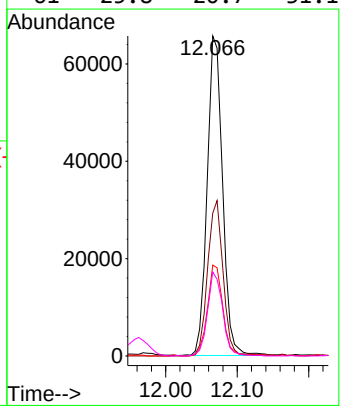
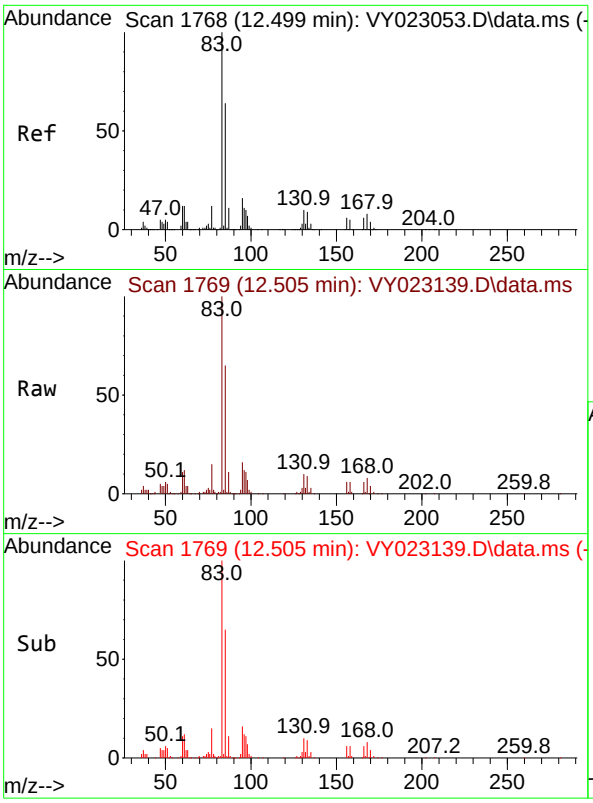


#74
N-amyl acetate
Concen: 18.632 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 98366

Ion	Ratio	Lower	Upper
43	100		
70	48.9	37.5	56.3
55	28.7	20.7	31.1
61	25.8	20.7	31.1

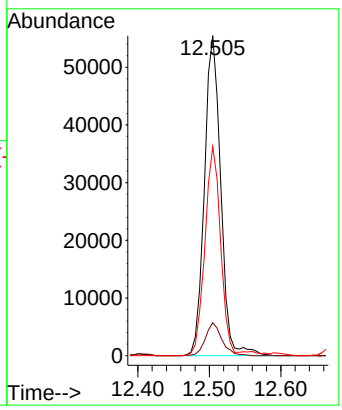




#75
1,1,2,2-Tetrachloroethane
Concen: 20.694 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 83 Resp: 8796

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.3
85	62.7	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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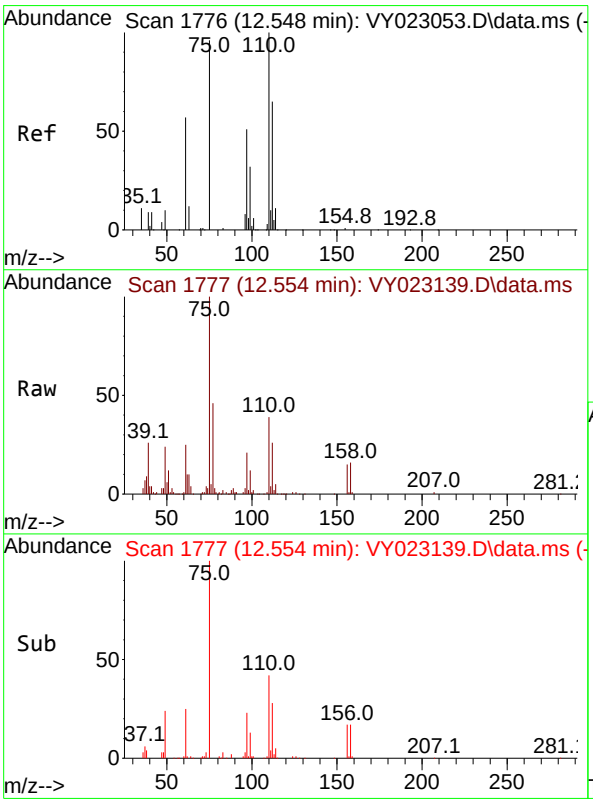
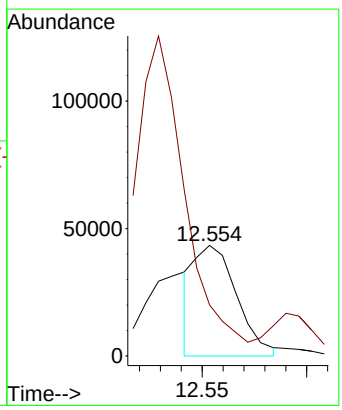
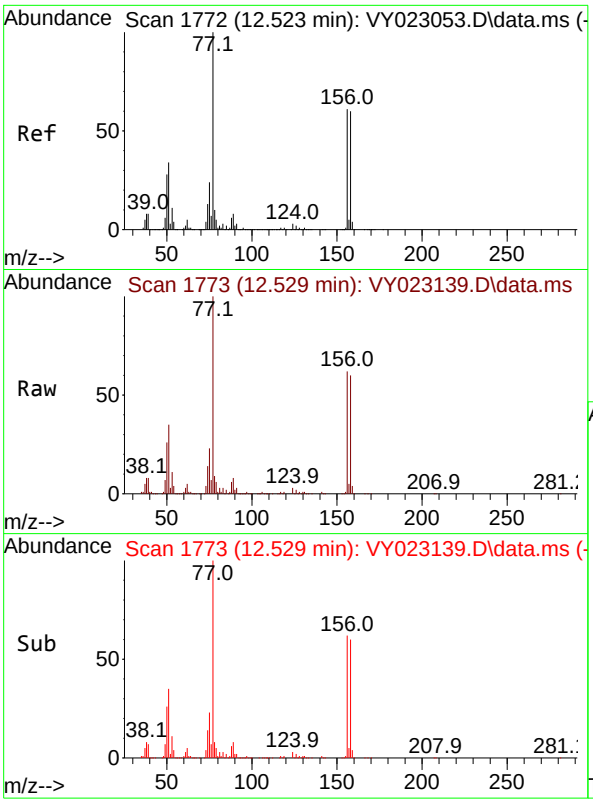


#76
1,2,3-Trichloropropane
Concen: 18.095 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 61598

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

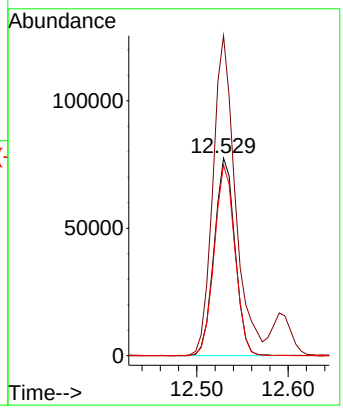




#77
Bromobenzene
Concen: 20.592 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:156 Resp: 12229

Ion	Ratio	Lower	Upper
156	100		
77	174.9	88.1	264.4
158	96.4	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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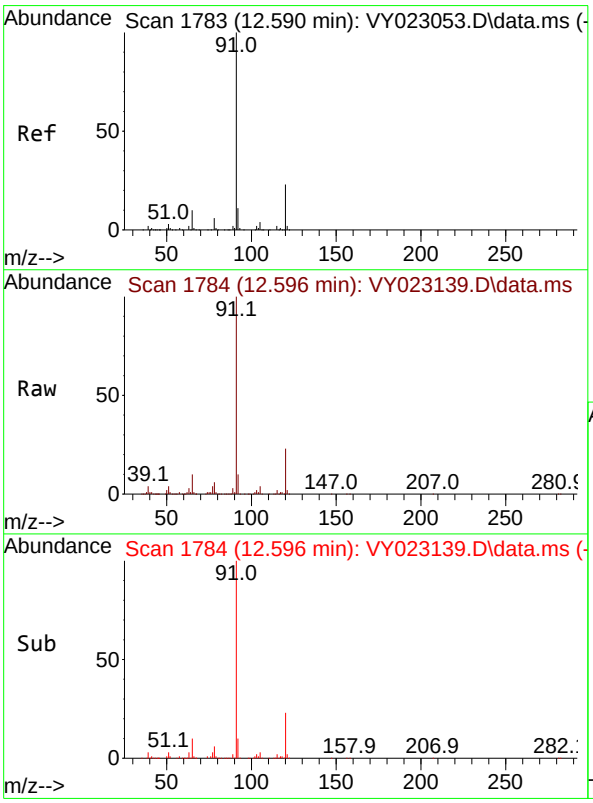
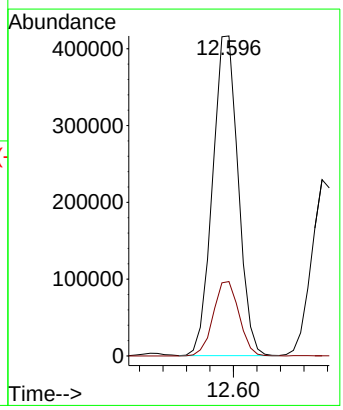
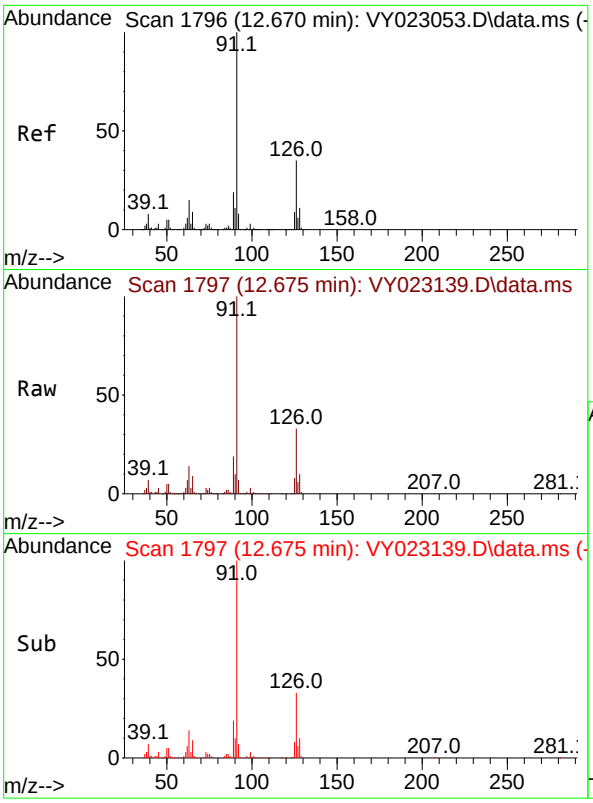


#78
n-propylbenzene
Concen: 21.255 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 629976

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5

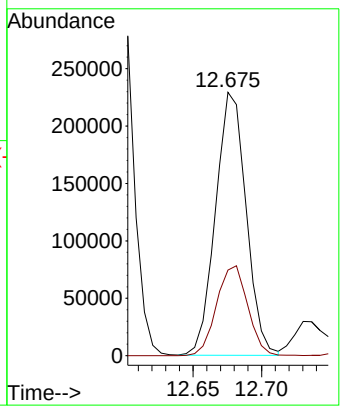




#79
2-Chlorotoluene
Concen: 20.990 ug/l
RT: 12.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 35644

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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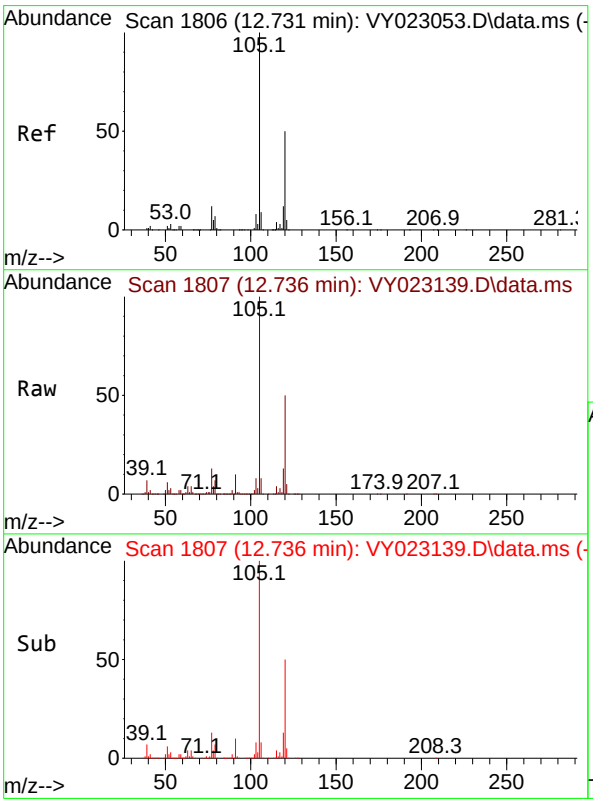
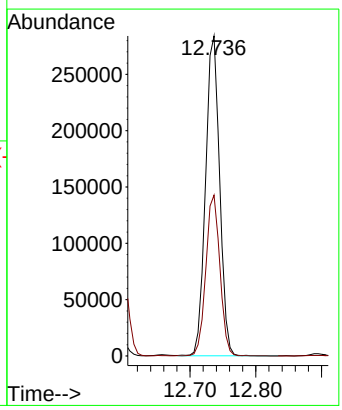
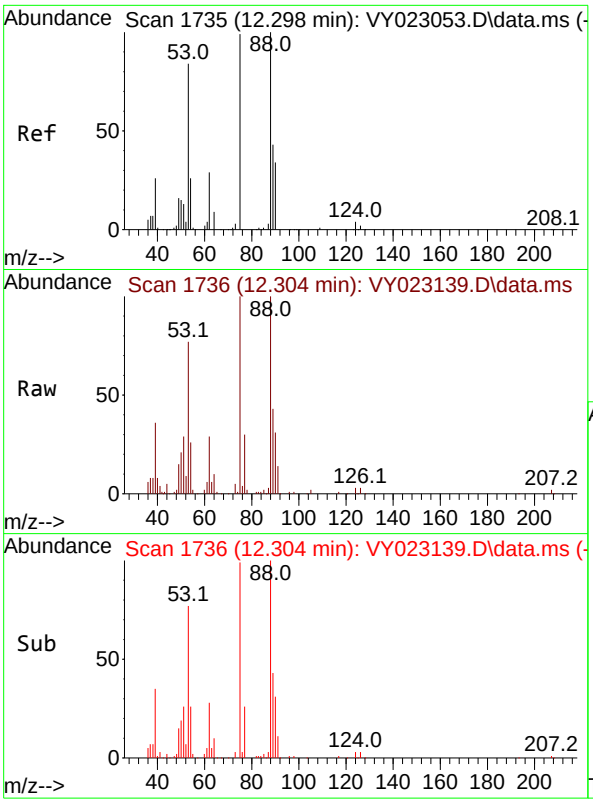


#80
1,3,5-Trimethylbenzene
Concen: 21.022 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 422945

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.838 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 2789

Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.8	106.2
89	44.3	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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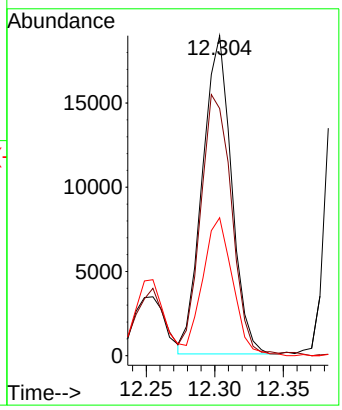
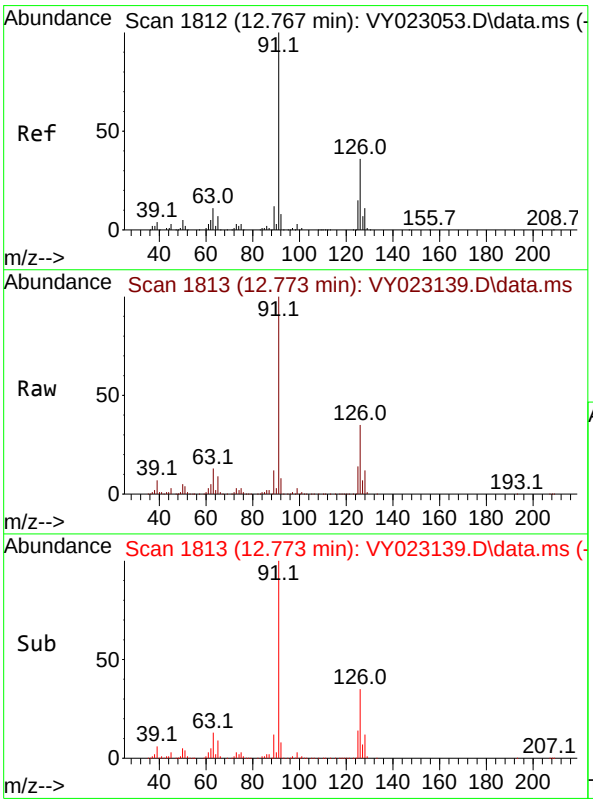
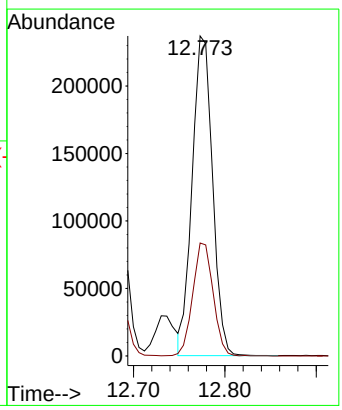


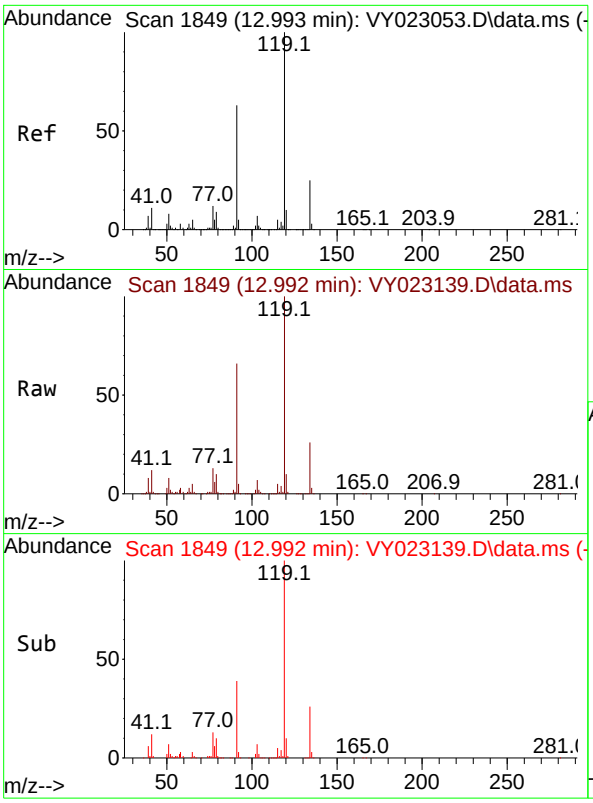


#82
4-Chlorotoluene
Concen: 20.803 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 366476

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0

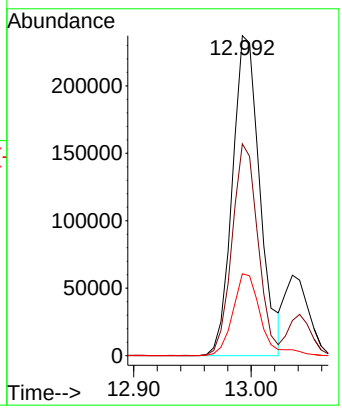




#83
tert-Butylbenzene
Concen: 21.122 ug/l
RT: 12.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:119 Resp: 38381

Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.6	94.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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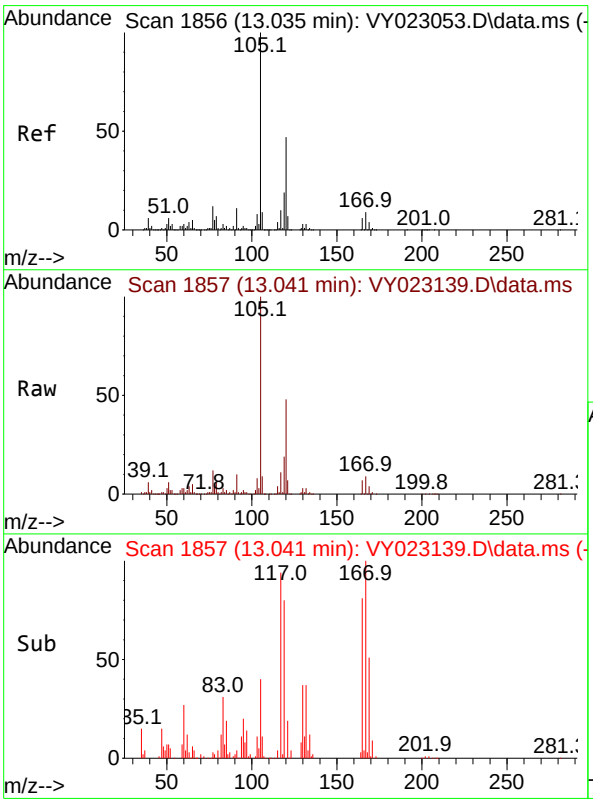
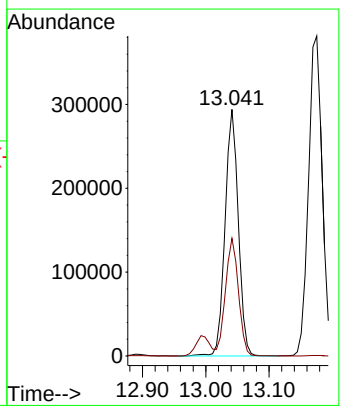
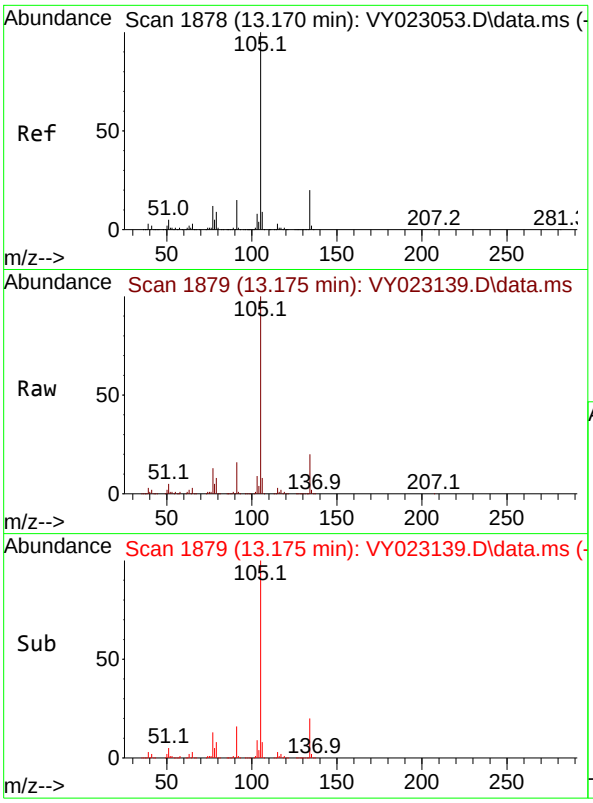


#84
1,2,4-Trimethylbenzene
Concen: 21.298 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 426567

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0

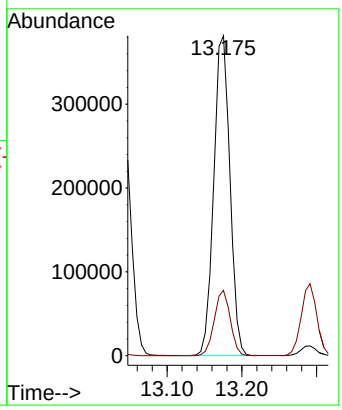




#85
sec-Butylbenzene
Concen: 21.463 ug/l
RT: 13.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 57291

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4



Instrument :
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ClientSampleId :
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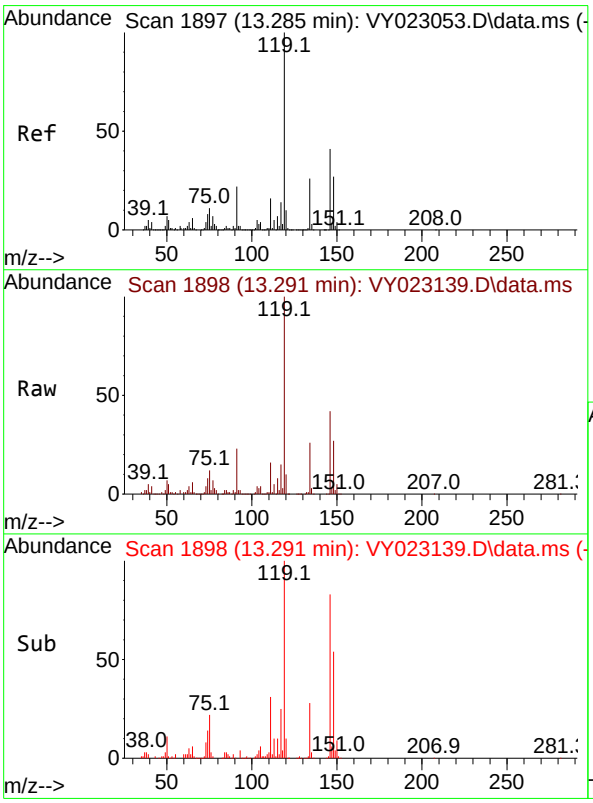
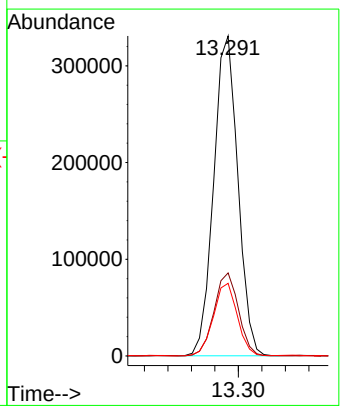
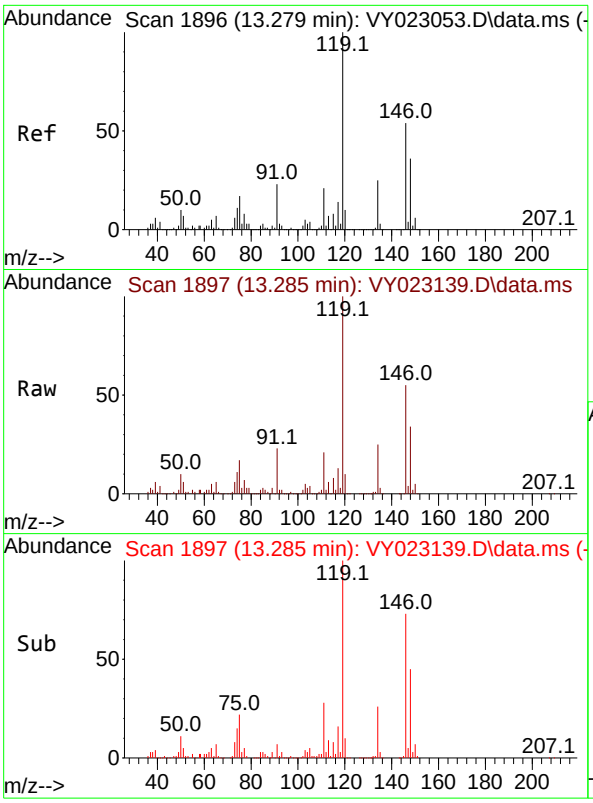


#86
p-Isopropyltoluene
Concen: 21.375 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:119 Resp: 473600

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	22.3	11.3	33.8

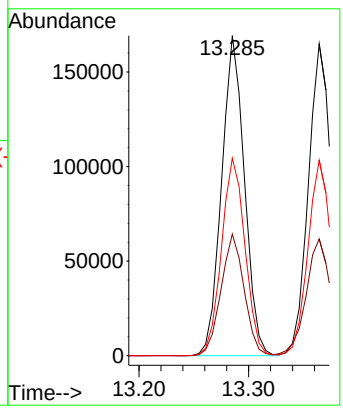




#87
1,3-Dichlorobenzene
Concen: 20.938 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:146 Resp: 24522

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.6	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

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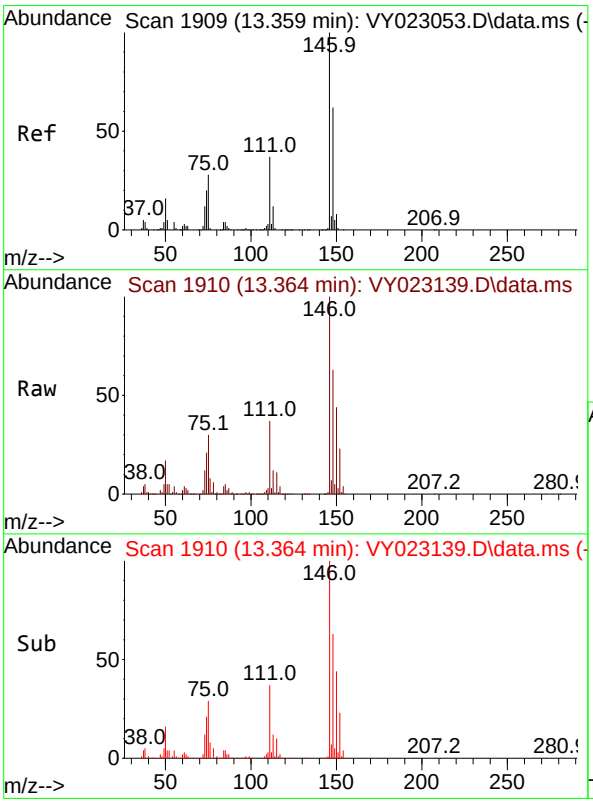
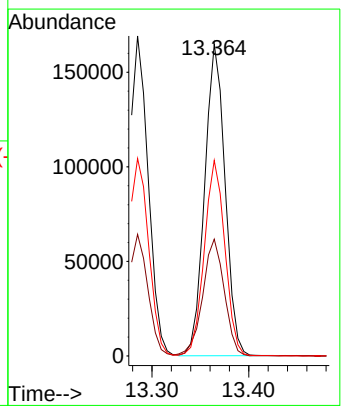
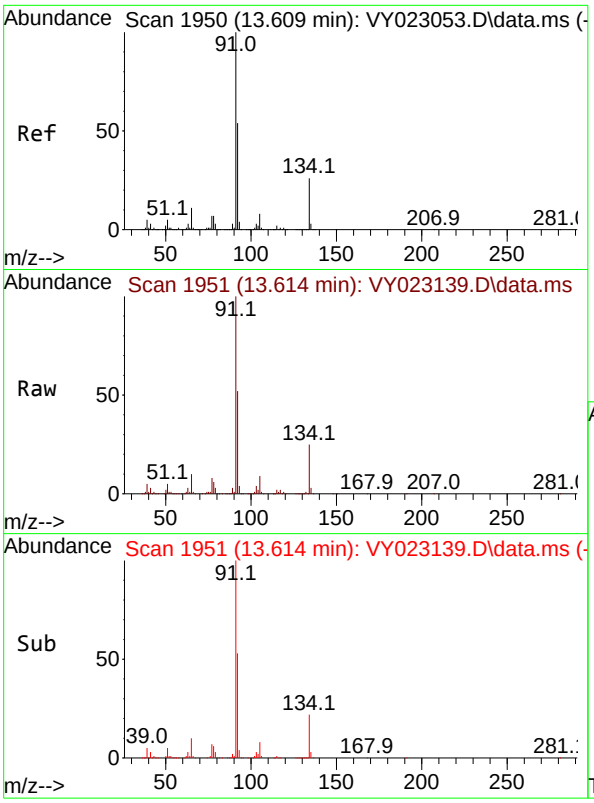


#88
1,4-Dichlorobenzene
Concen: 20.829 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:146 Resp: 241992

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.1
148	63.2	31.6	94.7

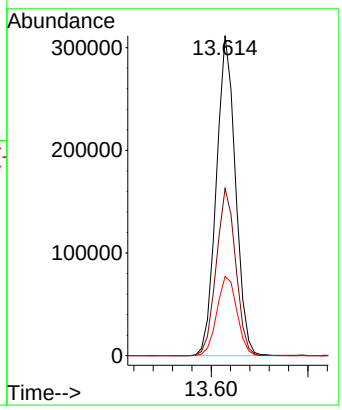




#89
n-Butylbenzene
Concen: 20.989 ug/l
RT: 13.614 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 42712

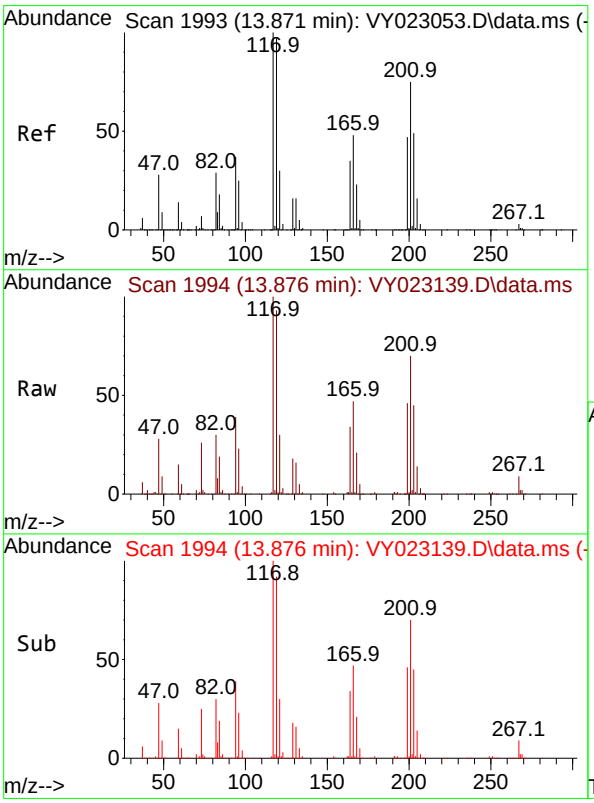
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	26.0	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

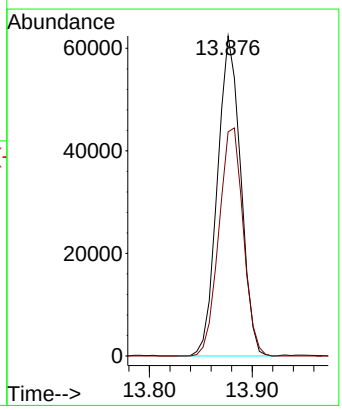
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

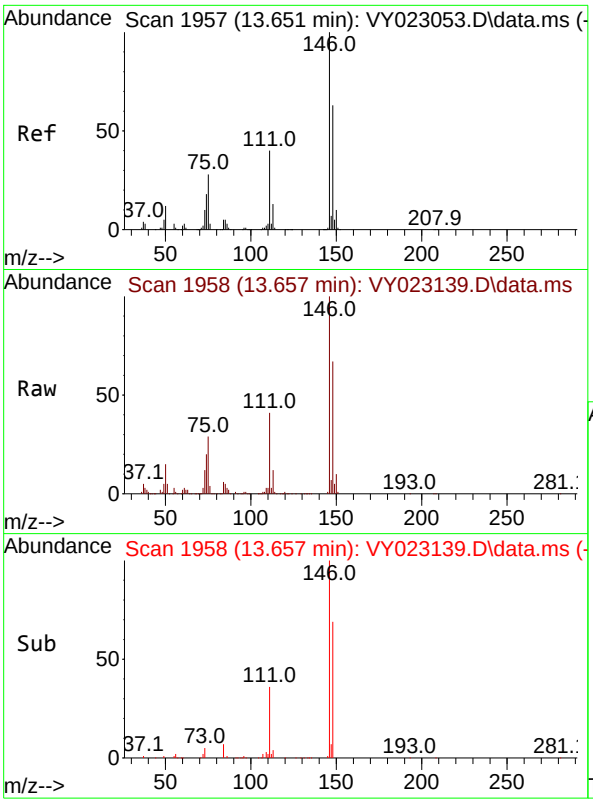


#90
Hexachloroethane
Concen: 21.595 ug/l
RT: 13.876 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:117 Resp: 97949

Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.4	115.1

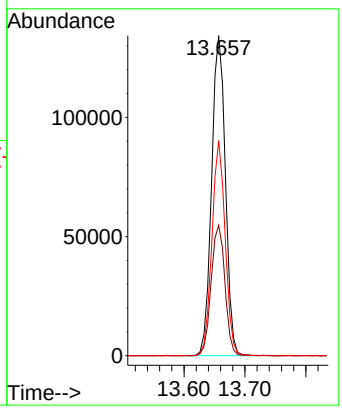




#91
1,2-Dichlorobenzene
Concen: 20.524 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:146 Resp: 21081

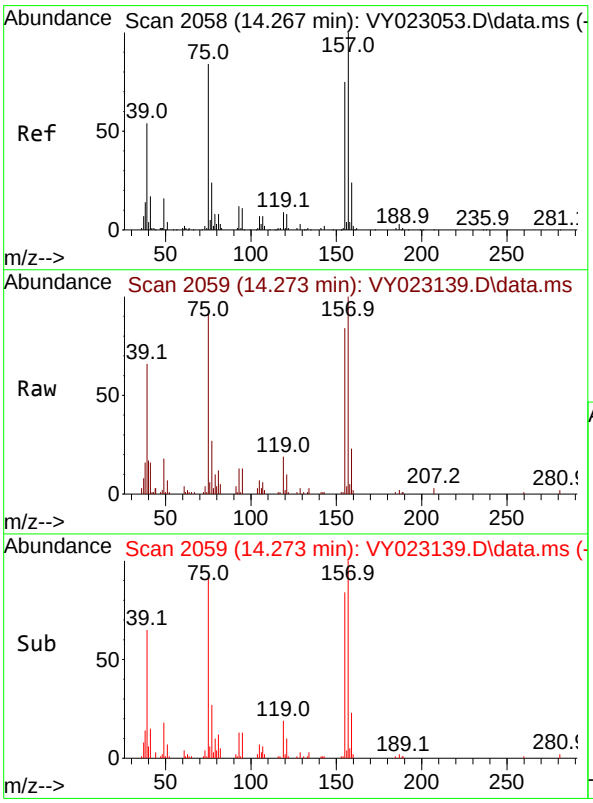
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	64.5	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

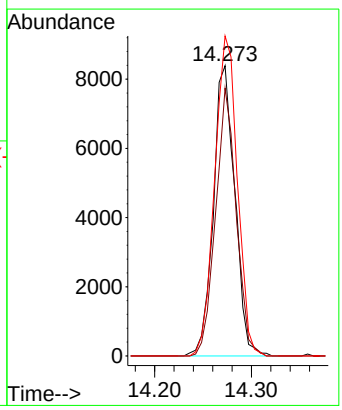
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

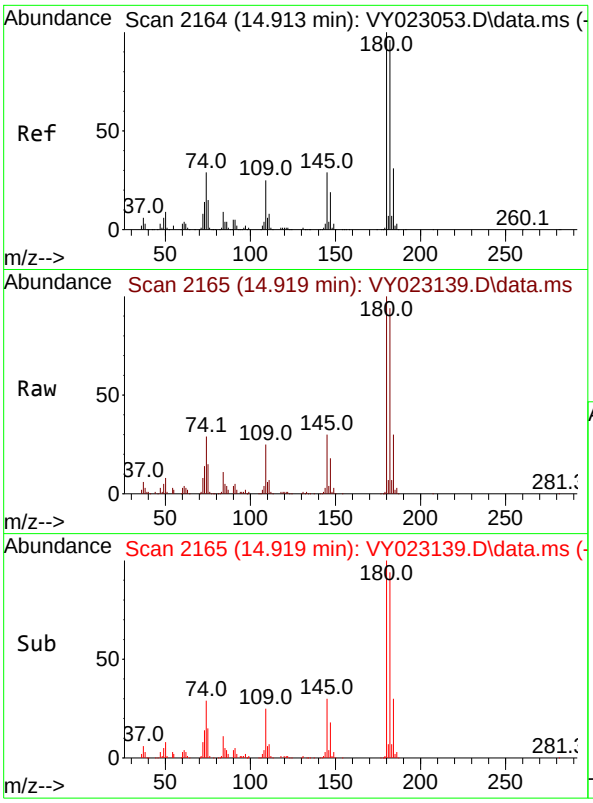


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.499 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 12905

Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.9	131.6
157	116.6	57.2	171.6

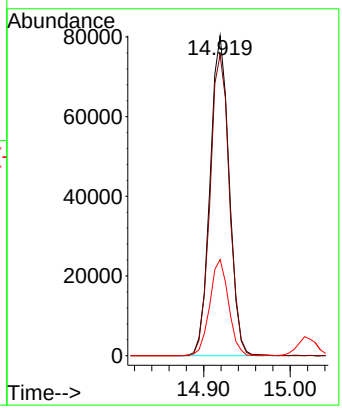




#93
1,2,4-Trichlorobenzene
Concen: 20.157 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:180 Resp: 12243

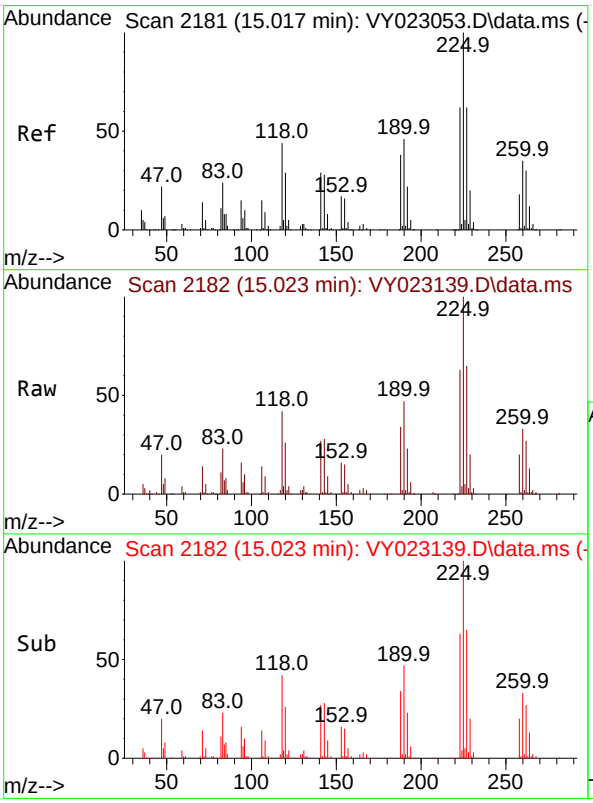
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.4
145	29.7	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

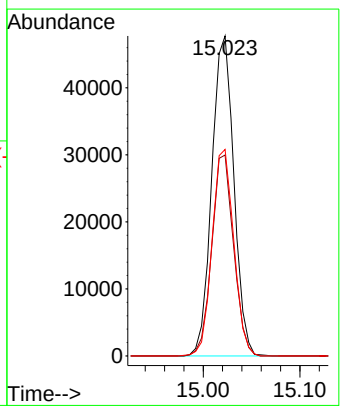
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

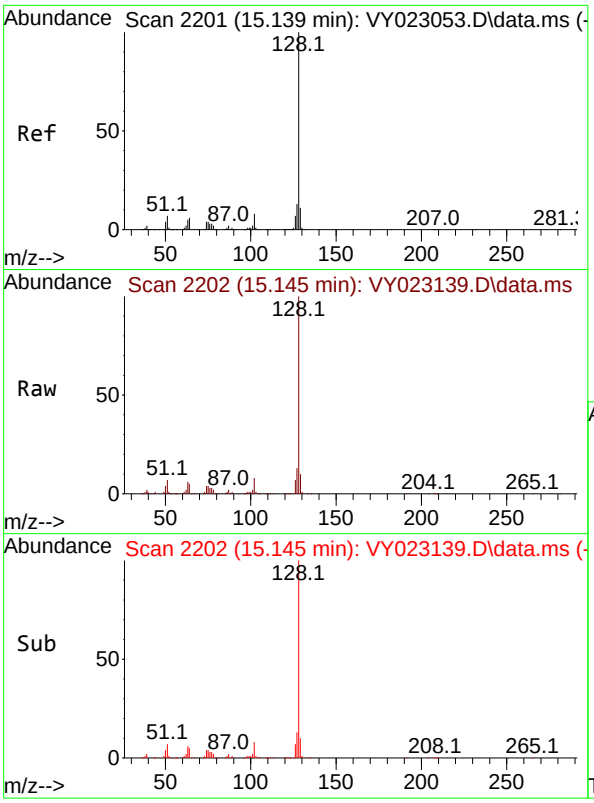


#94
Hexachlorobutadiene
Concen: 21.149 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:225 Resp: 75487

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.8
227	63.6	31.5	94.5

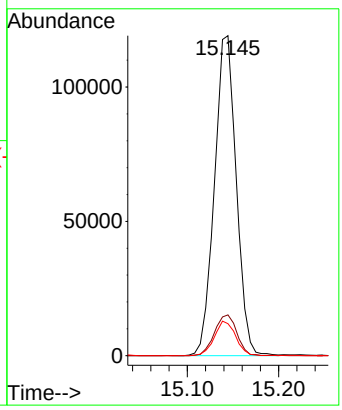




#95
Naphthalene
Concen: 19.124 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:128 Resp: 19808

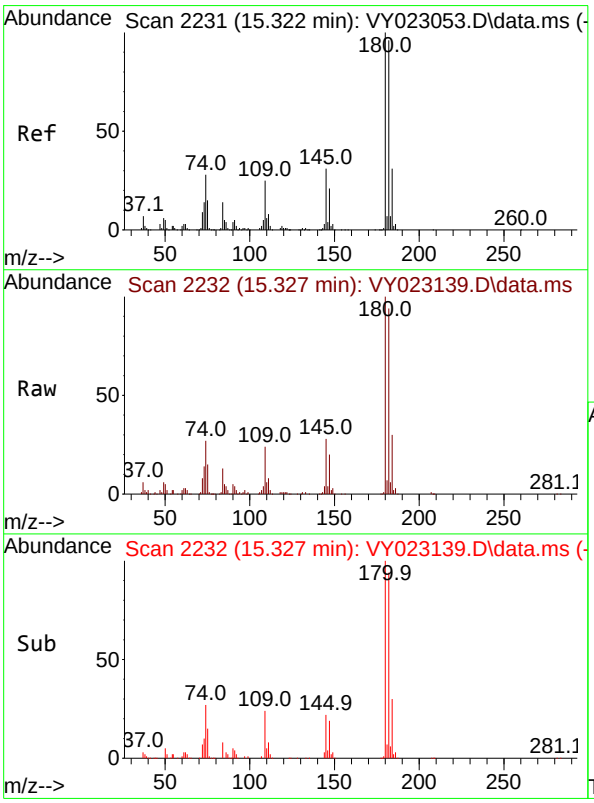
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

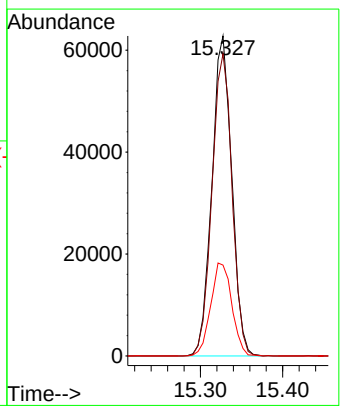
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.115 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:180 Resp: 105286

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	30.9	15.9	47.7



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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0820SBS01	SDG No.:	Q2879
Lab Sample ID:	VY0820SBS01	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:	Date Analyzed	Prep Batch ID
VY023164.D	1	08/20/25 10:24	VY082025

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	0.022		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.022		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	0.022		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.088		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.021		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.094		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.11		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.019		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.100		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		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	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.089		0.0036	0.013	0.025	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0820SBS01	SDG No.:	Q2879
Lab Sample ID:	VY0820SBS01	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:	Date Analyzed	Prep Batch ID
VY023164.D	1	08/20/25 10:24	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		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	0.094		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	0.023		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	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.020		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
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:	VY0820SBS01	SDG No.:	Q2879
Lab Sample ID:	VY0820SBS01	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:	Date Analyzed	Prep Batch ID
VY023164.D	1	08/20/25 10:24	VY082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.020		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.017		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.5		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		79 - 119		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	460000	7.707				
540-36-3	1,4-Difluorobenzene	730000	8.616				
3114-55-4	Chlorobenzene-d5	640000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	324000	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\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	459555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	730484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	640306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	323804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208166	47.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.060%			
35) Dibromofluoromethane	7.634	113	217247	49.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.400%			
50) Toluene-d8	10.103	98	848402	49.685	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.402	95	261400	47.601	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	79053	21.074	ug/l	98
3) Chloromethane	2.074	50	130929	21.550	ug/l	100
4) Vinyl Chloride	2.208	62	164087	21.848	ug/l	99
5) Bromomethane	2.592	94	138095	24.621	ug/l	98
6) Chloroethane	2.733	64	110112	22.053	ug/l	98
7) Trichlorofluoromethane	3.056	101	190344	20.843	ug/l	99
8) Diethyl Ether	3.458	74	45992	19.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	94641	21.006	ug/l	100
10) Methyl Iodide	4.007	142	93165	19.163	ug/l	97
11) Tert butyl alcohol	4.854	59	25336	84.424	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	91227	20.600	ug/l	91
13) Acrolein	3.653	56	30908	70.324	ug/l	96
14) Allyl chloride	4.385	41	123764	18.993	ug/l	99
15) Acrylonitrile	5.068	53	92487	94.158	ug/l	99
16) Acetone	3.867	43	108385	114.225	ug/l	97
17) Carbon Disulfide	4.104	76	291923	20.217	ug/l	97
18) Methyl Acetate	4.385	43	52896	18.733	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	213430	18.599	ug/l	98
20) Methylene Chloride	4.610	84	105212	19.691	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	101756	20.447	ug/l	99
22) Diisopropyl ether	6.019	45	274076	19.356	ug/l	93
23) Vinyl Acetate	5.964	43	713664	91.149	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176815	20.424	ug/l	98
25) 2-Butanone	6.896	43	128976	99.942	ug/l	99
26) 2,2-Dichloropropane	6.878	77	152419	20.404	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	117267	20.382	ug/l	97
28) Bromochloromethane	7.244	49	68297	19.885	ug/l	98
29) Tetrahydrofuran	7.262	42	70670	88.345	ug/l	99
30) Chloroform	7.421	83	187434	20.993	ug/l	97
31) Cyclohexane	7.701	56	154414	18.928	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	163289	20.612	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131556	20.252	ug/l	99
37) Ethyl Acetate	6.982	43	50678	18.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	146099	20.707	ug/l	97
39) Methylcyclohexane	9.109	83	161897	18.926	ug/l	99
40) Benzene	8.079	78	413672	20.662	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	28288	17.963	ug/l		96
42) 1,2-Dichloroethane	8.158	62	102487	19.682	ug/l		99
43) Isopropyl Acetate	8.195	43	95562	17.327	ug/l		98
44) Trichloroethene	8.866	130	109999	21.260	ug/l		98
45) 1,2-Dichloropropane	9.140	63	93662	20.332	ug/l		97
46) Dibromomethane	9.231	93	53516	20.240	ug/l		99
47) Bromodichloromethane	9.420	83	139120	20.448	ug/l		96
48) Methyl methacrylate	9.219	41	46693	17.692	ug/l		98
49) 1,4-Dioxane	9.225	88	11384	367.192	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	254313	89.392	ug/l		100
52) Toluene	10.170	92	260797	20.509	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	119277	19.360	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	143792	19.737	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72658	20.536	ug/l		99
56) Ethyl methacrylate	10.439	69	78424	17.322	ug/l		99
57) 1,3-Dichloropropane	10.719	76	118529	19.754	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	197822	92.633	ug/l		99
59) 2-Hexanone	10.762	43	181841	93.868	ug/l		99
60) Dibromochloromethane	10.908	129	94101	20.157	ug/l		98
61) 1,2-Dibromoethane	11.012	107	66546	20.011	ug/l		99
64) Tetrachloroethene	10.646	164	128497	22.474	ug/l		98
65) Chlorobenzene	11.438	112	281033	20.348	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.512	131	95804	20.438	ug/l		97
67) Ethyl Benzene	11.518	91	468705	19.720	ug/l		98
68) m/p-Xylenes	11.627	106	374257	40.317	ug/l		97
69) o-Xylene	11.950	106	169335	19.476	ug/l		97
70) Styrene	11.969	104	286037	20.117	ug/l		98
71) Bromoform	12.133	173	53523	19.537	ug/l	#	98
73) Isopropylbenzene	12.255	105	442733	19.372	ug/l		100
74) N-amyl acetate	12.066	43	78737	16.246	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	68865	17.648	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	64111m	20.515	ug/l		
77) Bromobenzene	12.530	156	105703	19.387	ug/l		98
78) n-propylbenzene	12.591	91	535326	19.675	ug/l		99
79) 2-Chlorotoluene	12.676	91	309392	19.846	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	363677	19.690	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22178	17.179	ug/l		95
82) 4-Chlorotoluene	12.773	91	317186	19.613	ug/l		99
83) tert-Butylbenzene	12.993	119	325943	19.539	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	364461	19.822	ug/l		100
85) sec-Butylbenzene	13.170	105	484397	19.767	ug/l		100
86) p-Isopropyltoluene	13.292	119	402765	19.801	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	218878	20.357	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	213060	19.976	ug/l		98
89) n-Butylbenzene	13.615	91	360095	19.275	ug/l		99
90) Hexachloroethane	13.877	117	83702	20.102	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	185391	19.661	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10613	17.468	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	101300	18.167	ug/l		97
94) Hexachlorobutadiene	15.023	225	64526	19.692	ug/l		100
95) Naphthalene	15.145	128	151141	15.895	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	88110	18.337	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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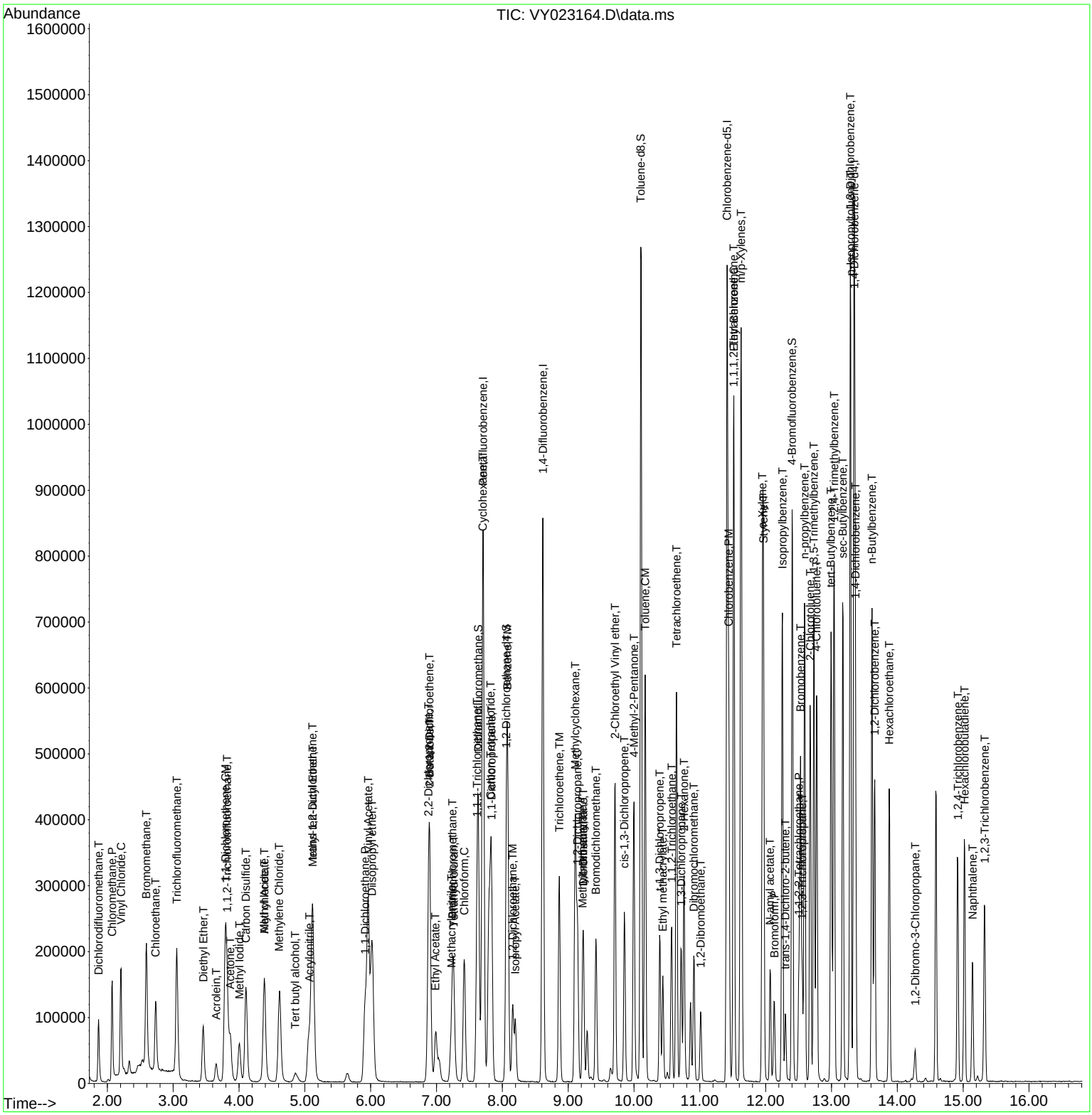
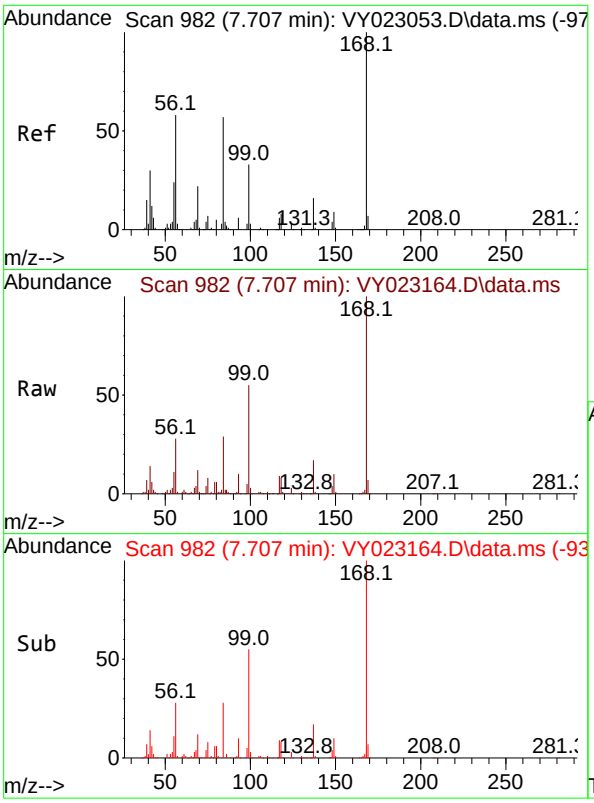
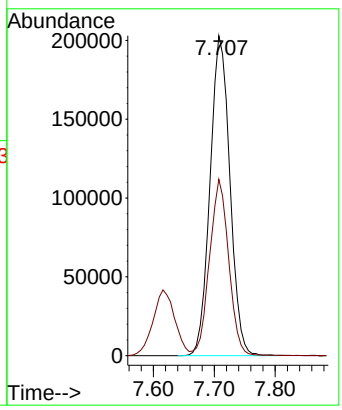




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:168 Resp: 45955

Ion	Ratio	Lower	Upper
168	100		
99	55.0	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

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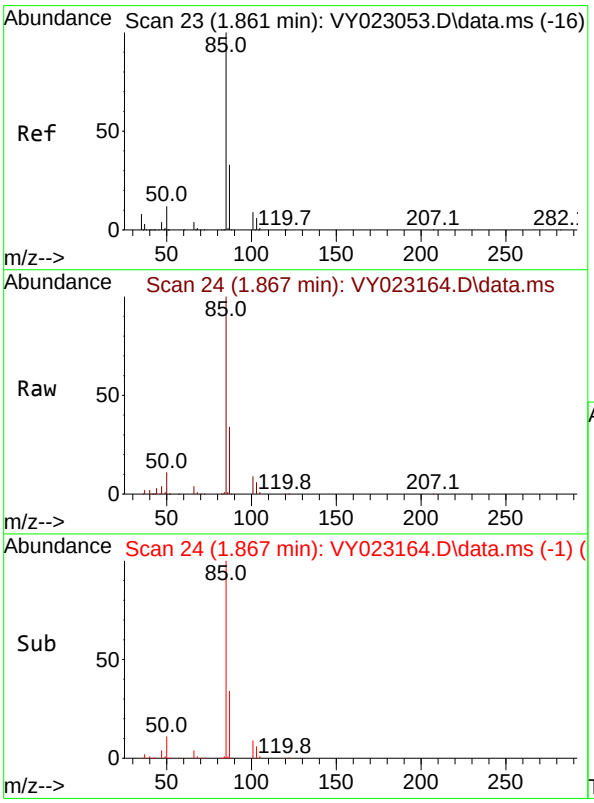
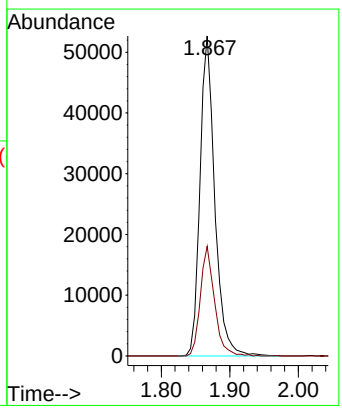
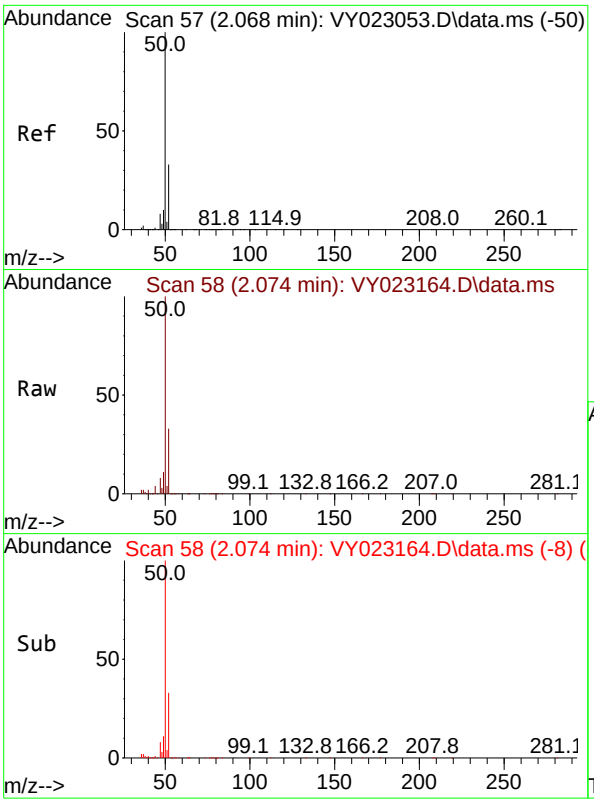


#2
Dichlorodifluoromethane
Concen: 21.074 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 85 Resp: 79053

Ion	Ratio	Lower	Upper
85	100		
87	34.3	16.6	49.8

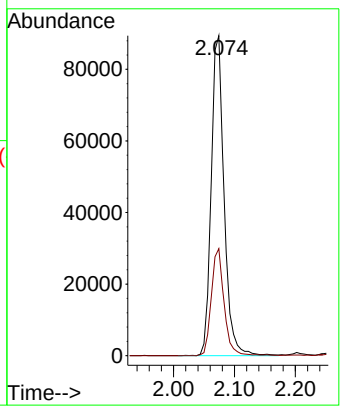




#3
Chloromethane
Concen: 21.550 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 50 Resp: 13092

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

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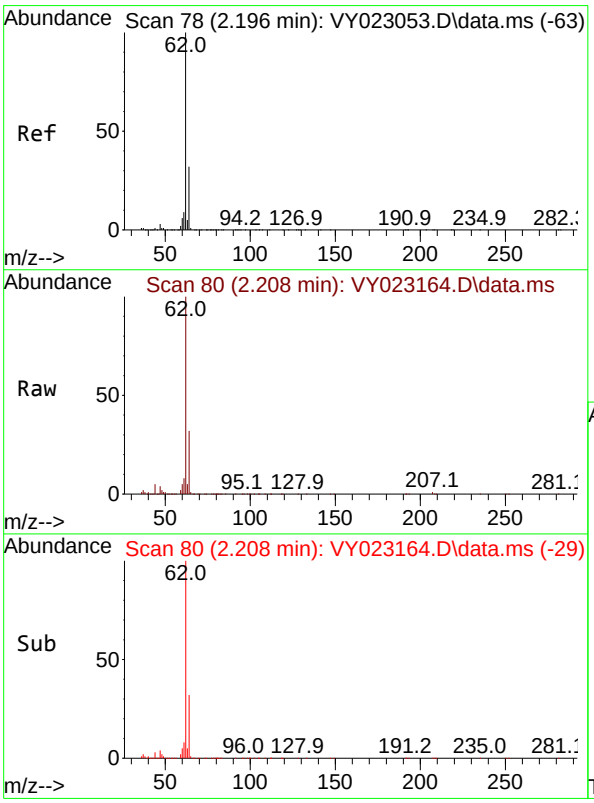
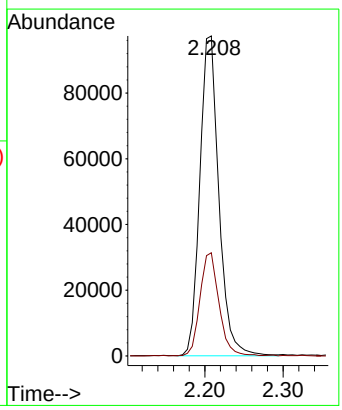
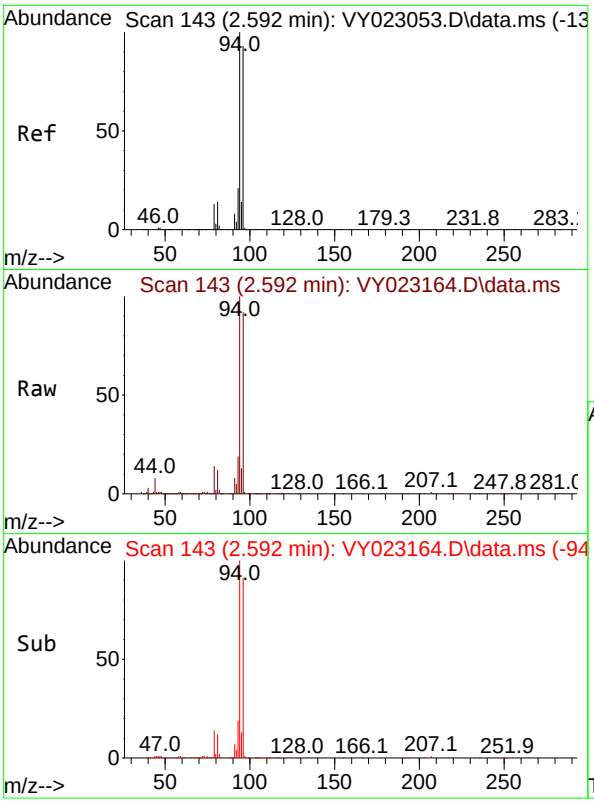


#4
Vinyl Chloride
Concen: 21.848 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 62 Resp: 164087

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0





#5
Bromomethane
Concen: 24.621 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 94 Resp: 13809

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.6	112.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

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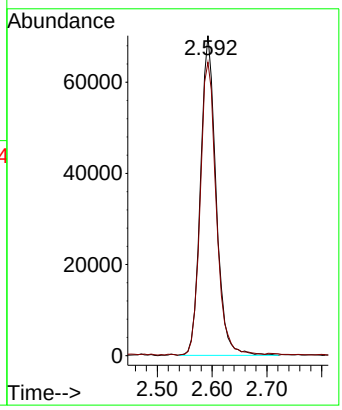
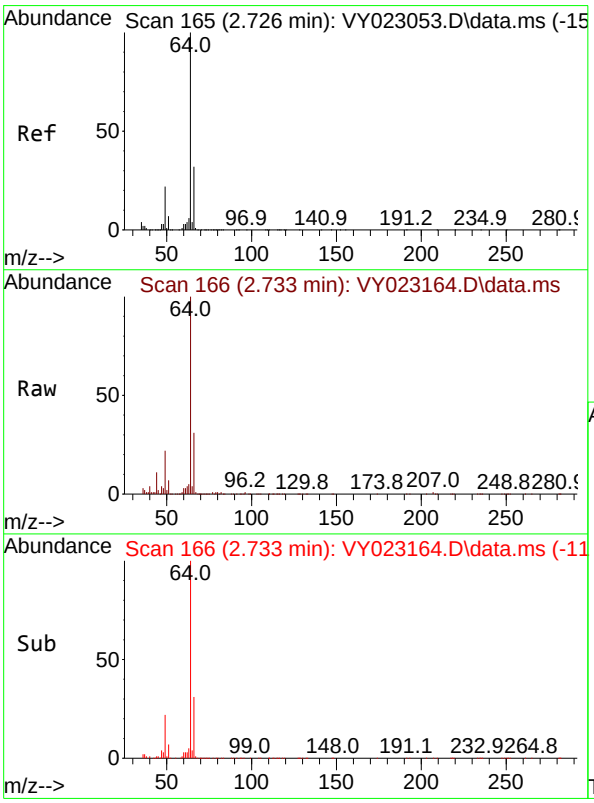
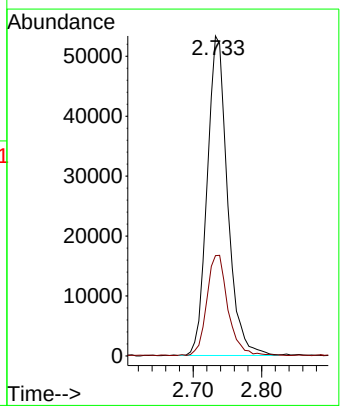


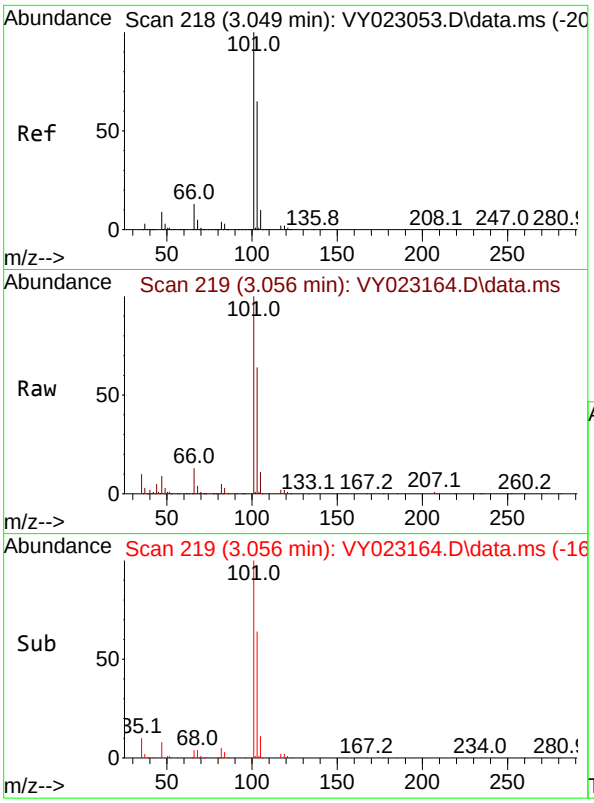


#6
Chloroethane
Concen: 22.053 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 64 Resp: 110112

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.8	38.6

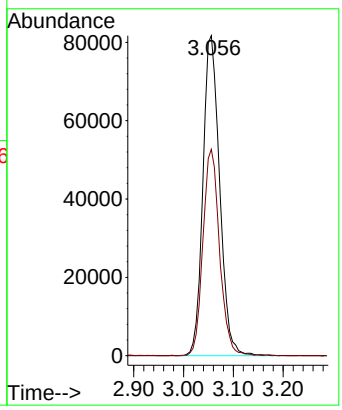




#7
Trichlorofluoromethane
Concen: 20.843 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:101 Resp: 19034

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

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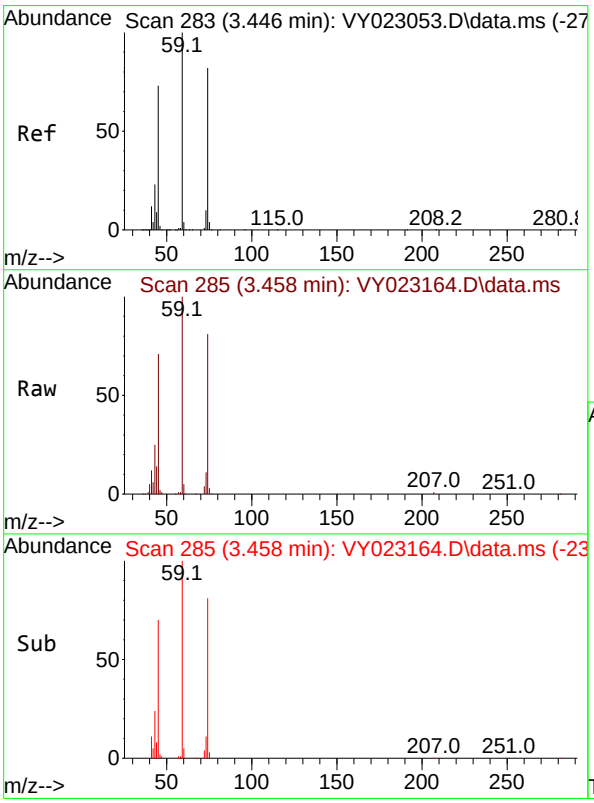
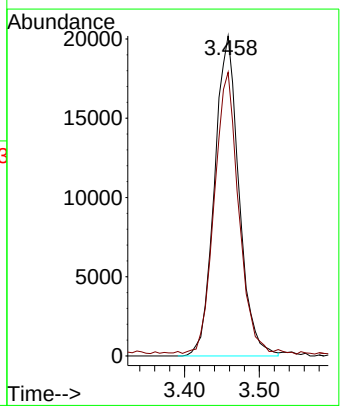
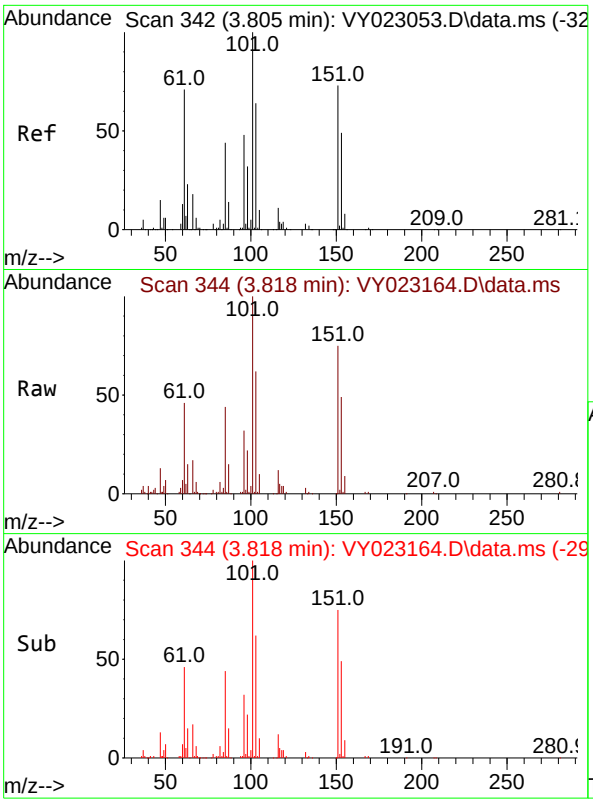


#8
Diethyl Ether
Concen: 19.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 74 Resp: 45992

Ion	Ratio	Lower	Upper
74	100		
45	86.8	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.006 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:101 Resp: 9464

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	77.3	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

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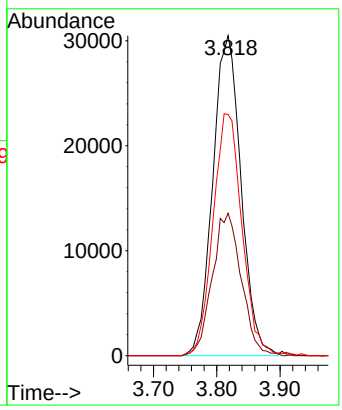
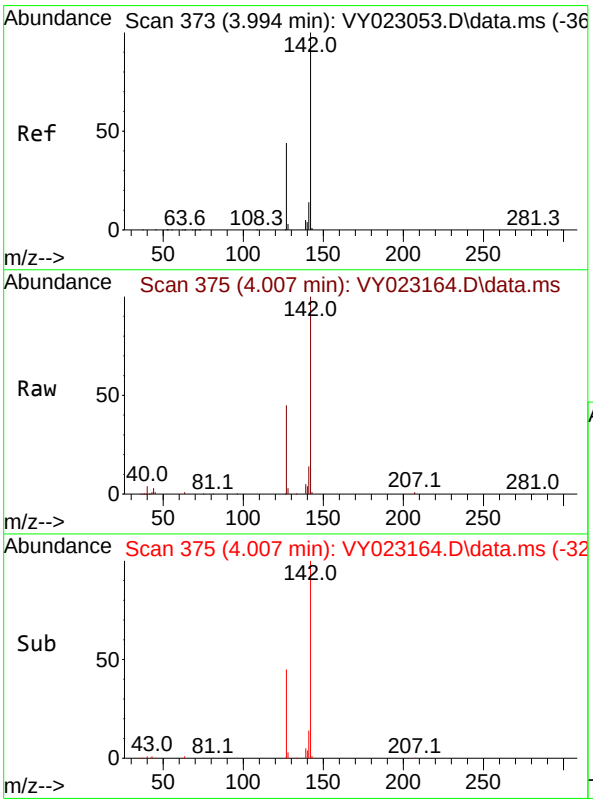
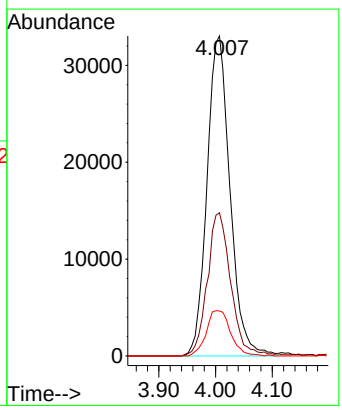


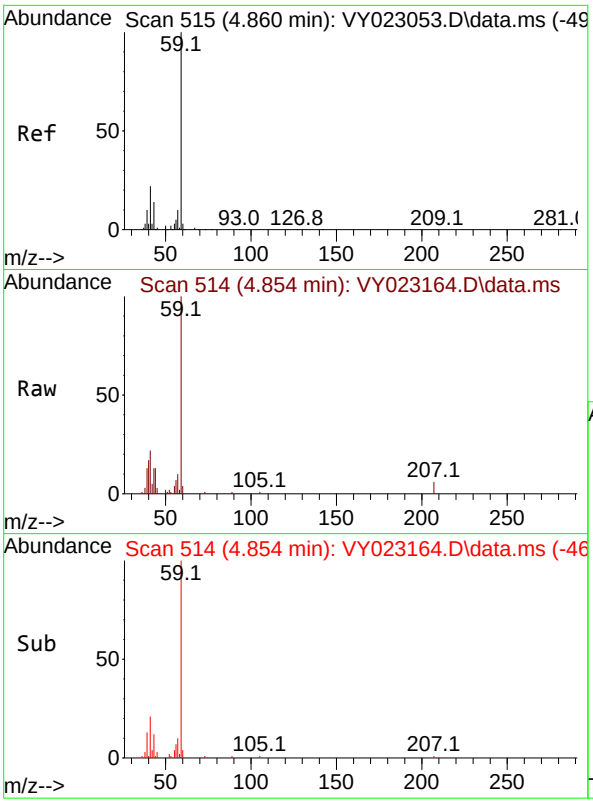


#10
Methyl Iodide
Concen: 19.163 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:142 Resp: 93165

Ion	Ratio	Lower	Upper
142	100		
127	45.6	34.9	52.3
141	14.9	11.3	16.9

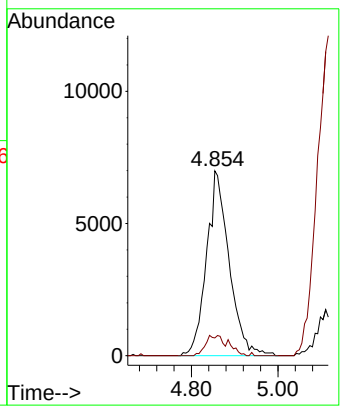




#11
Tert butyl alcohol
Concen: 84.424 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 59 Resp: 2533

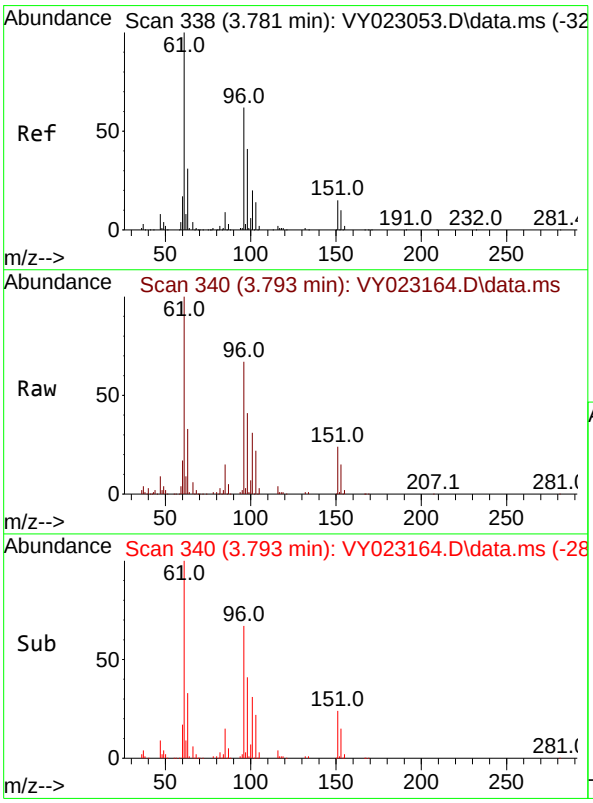
Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.6	13.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

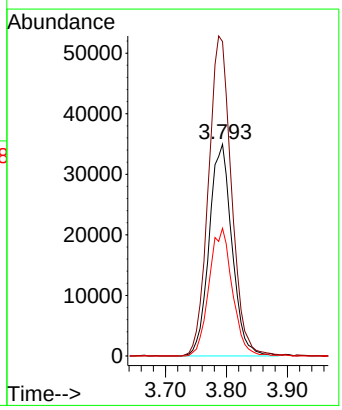
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

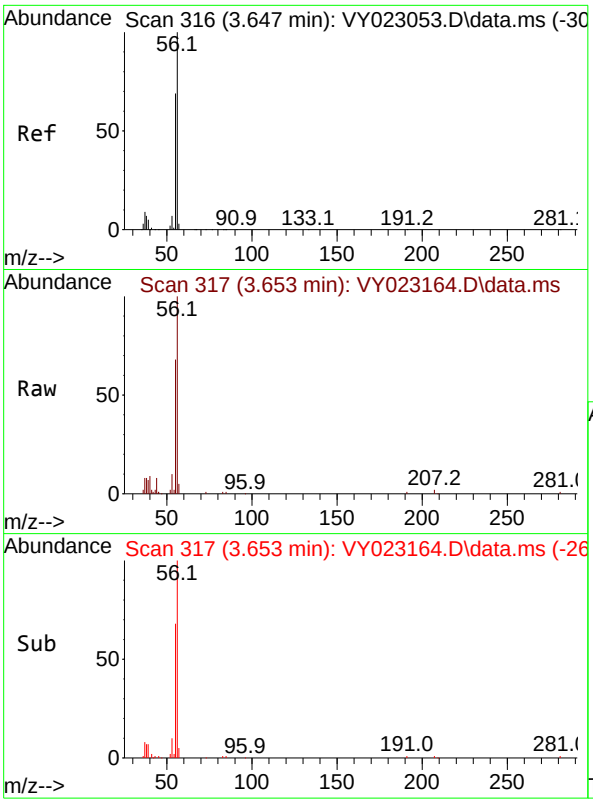


#12
1,1-Dichloroethene
Concen: 20.600 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 96 Resp: 91227

Ion	Ratio	Lower	Upper
96	100		
61	148.5	129.4	194.2
98	60.3	52.8	79.2

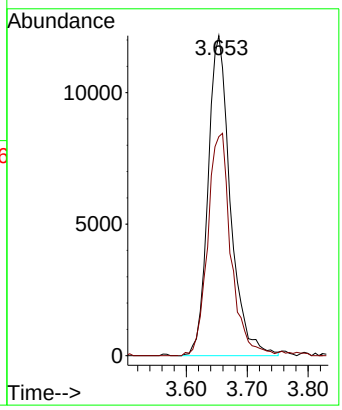




#13
Acrolein
Concen: 70.324 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 56 Resp: 3090

Ion	Ratio	Lower	Upper
56	100		
55	72.4	55.2	82.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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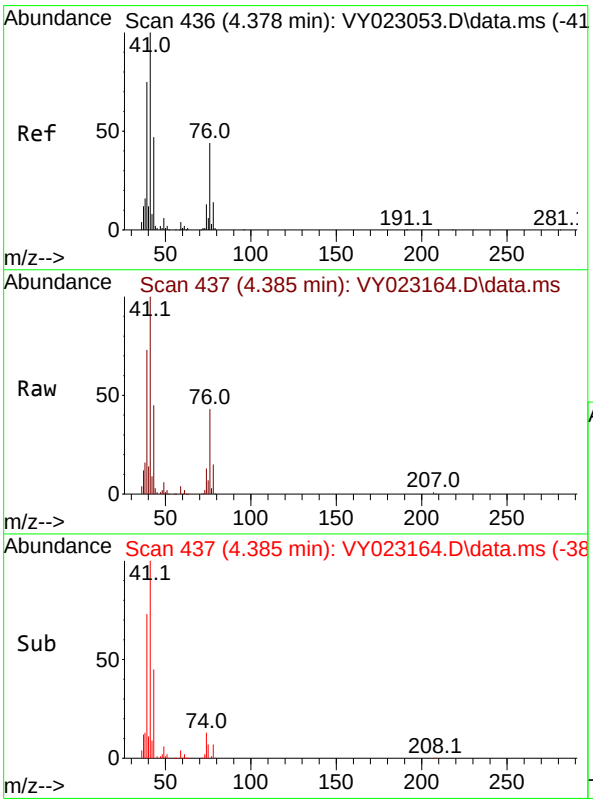
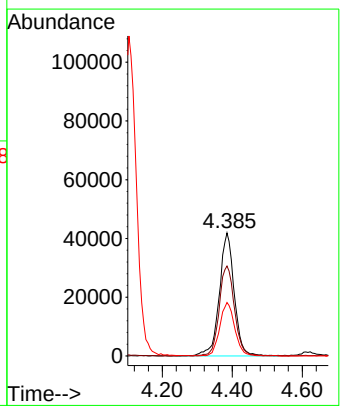
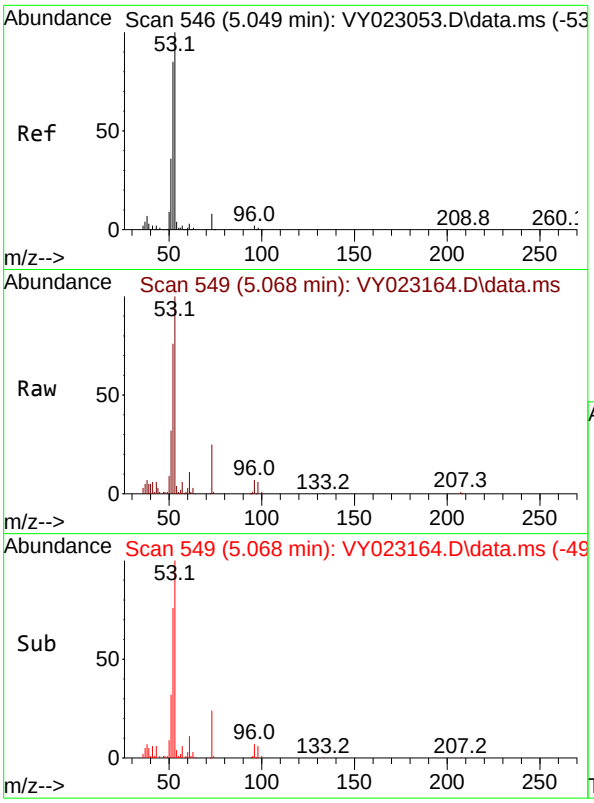


#14
Allyl chloride
Concen: 18.993 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 41 Resp: 123764

Ion	Ratio	Lower	Upper
41	100		
39	75.1	59.8	89.6
76	43.6	33.7	50.5





#15
Acrylonitrile
Concen: 94.158 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.018 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 53 Resp: 9248

Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.3	97.9
51	36.8	29.5	44.3

Instrument :
MSVOA_Y
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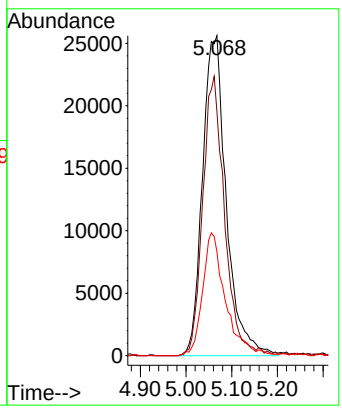
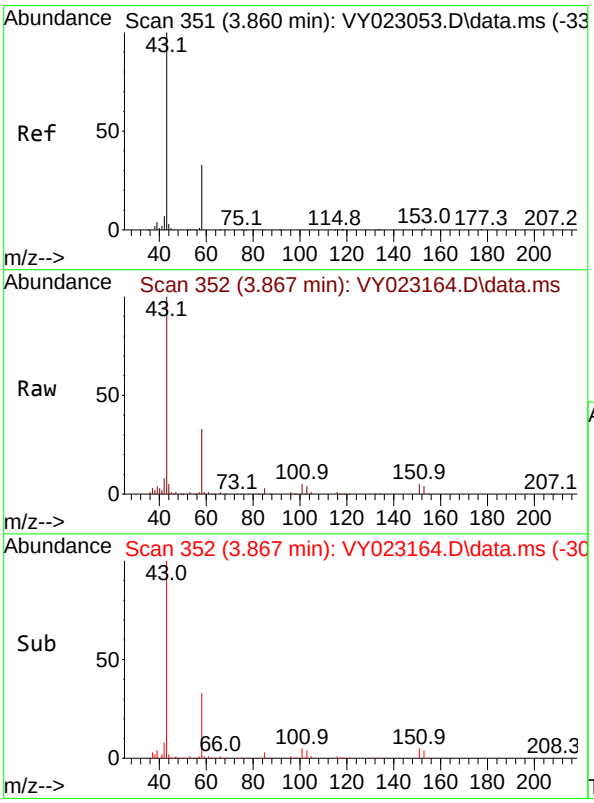
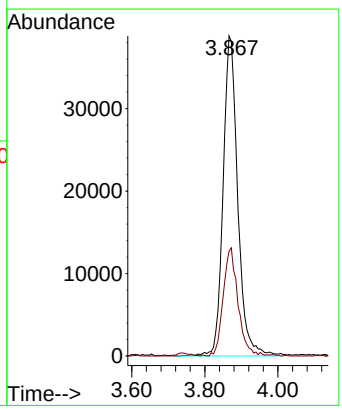


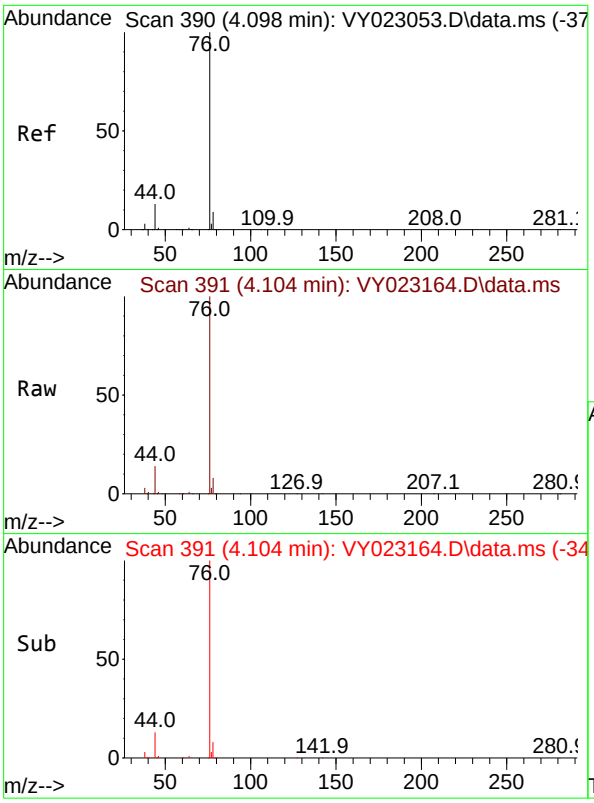


#16
Acetone
Concen: 114.225 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 108385

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.1	40.7





#17
Carbon Disulfide
Concen: 20.217 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 76 Resp: 29192

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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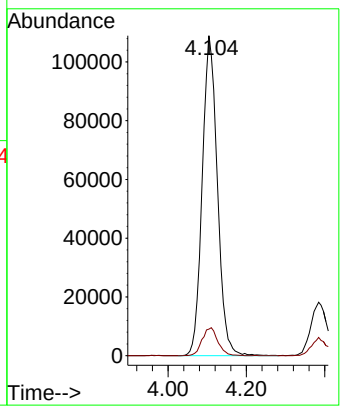
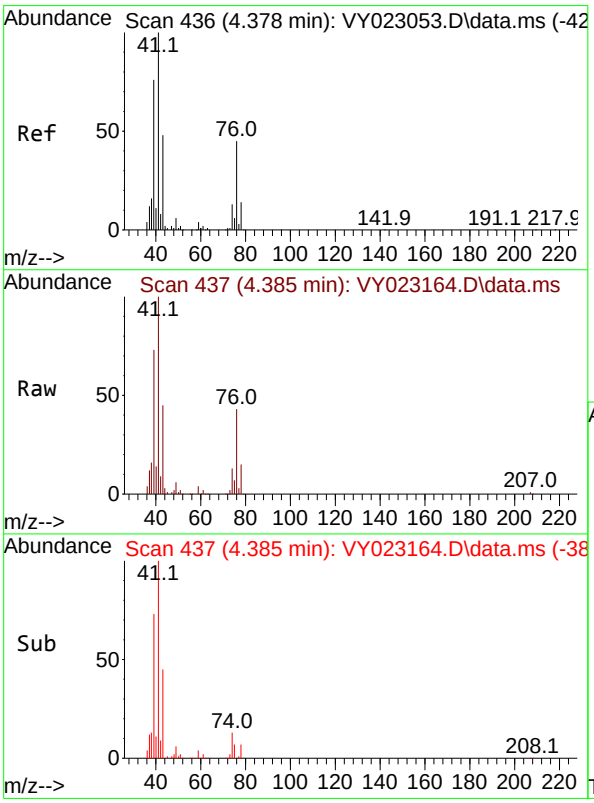
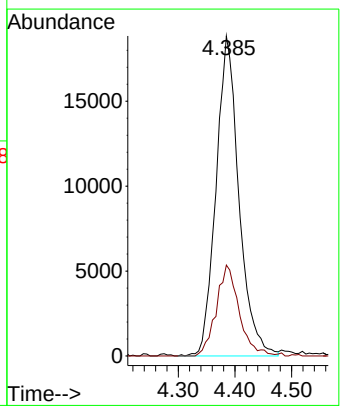


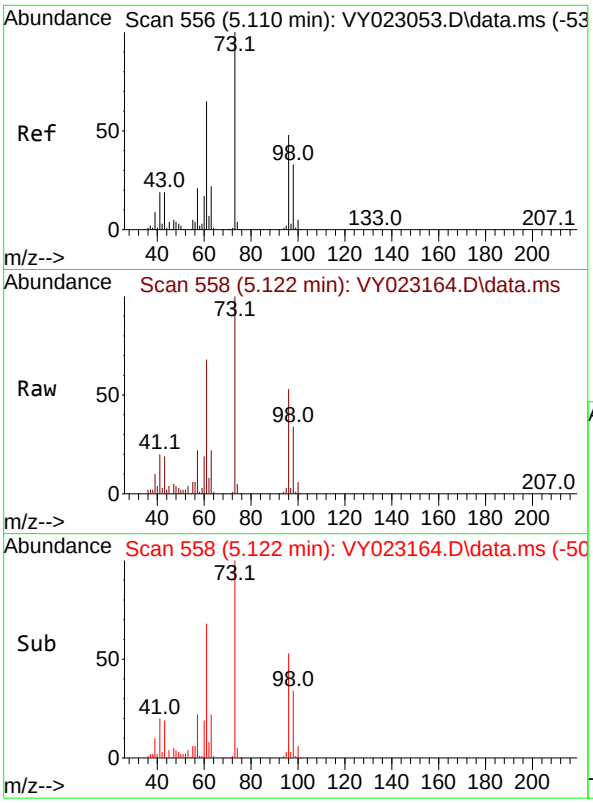


#18
Methyl Acetate
Concen: 18.733 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 52896

Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.2	31.8

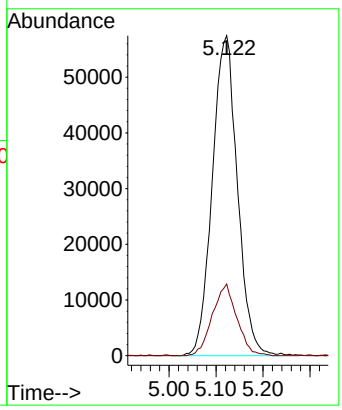




#19
Methyl tert-butyl Ether
Concen: 18.599 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 73 Resp: 21343

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7



Instrument :
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ClientSampleId :
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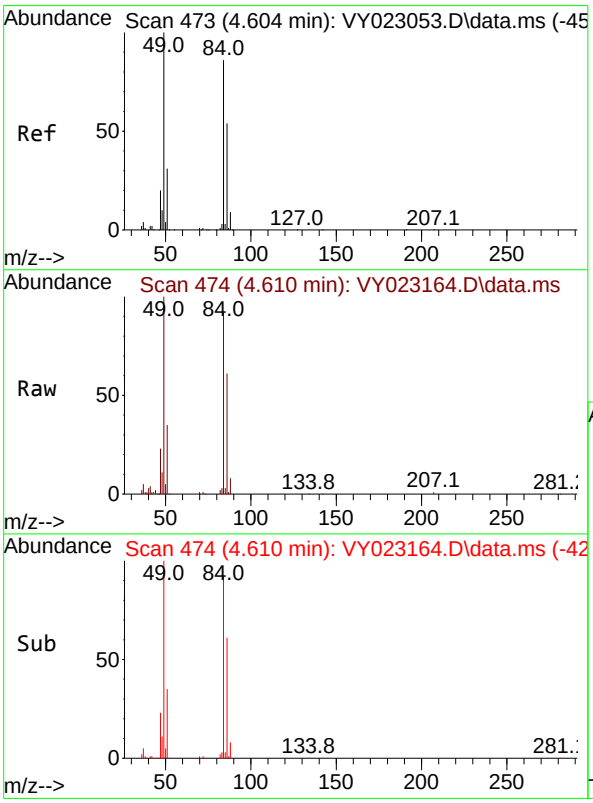
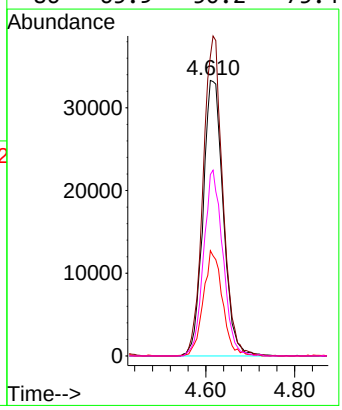
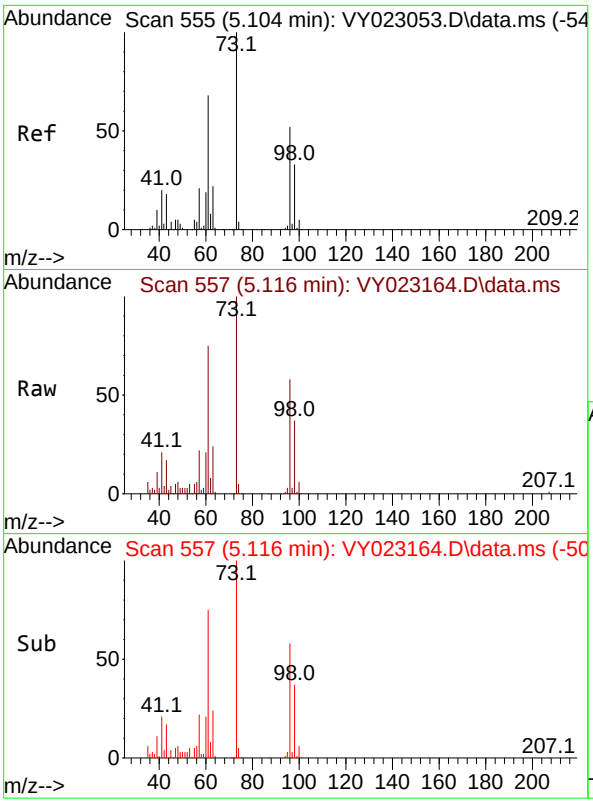


#20
Methylene Chloride
Concen: 19.691 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 84 Resp: 105212

Ion	Ratio	Lower	Upper
84	100		
49	108.7	93.0	139.6
51	38.2	29.0	43.4
86	65.9	50.2	75.4

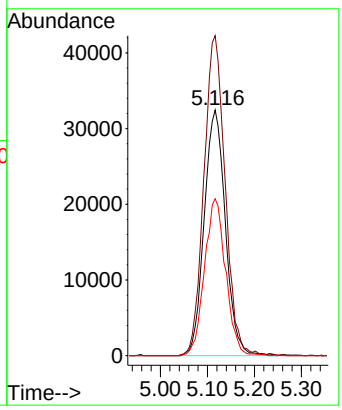




#21
trans-1,2-Dichloroethene
Concen: 20.447 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 96 Resp: 10175

Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.8	157.2
98	63.9	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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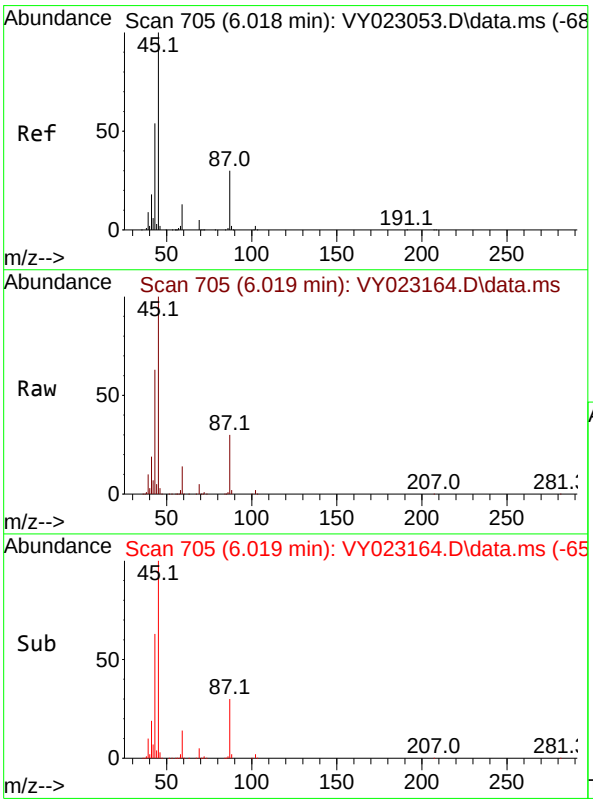
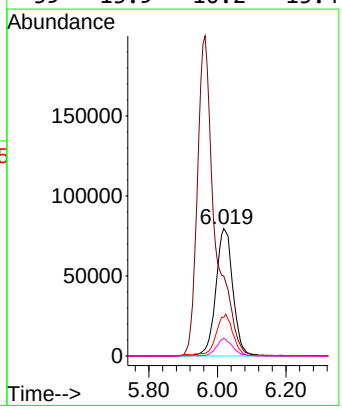
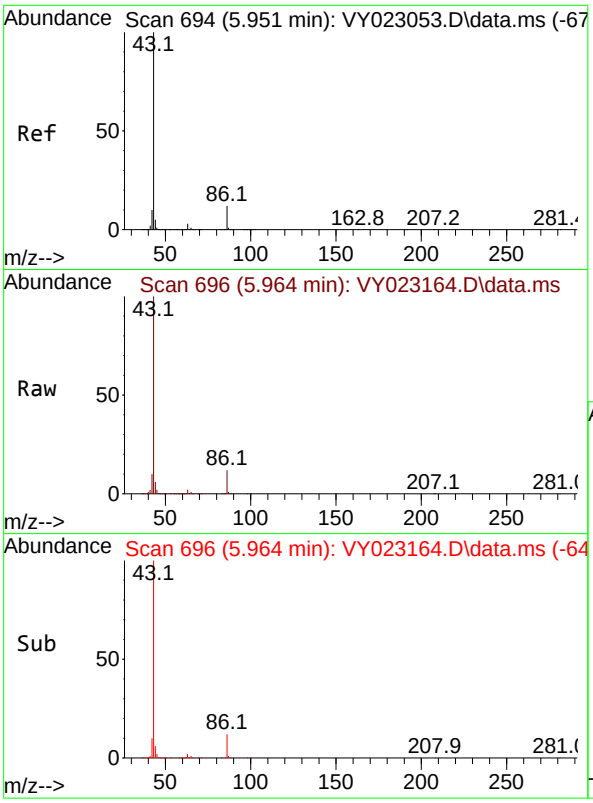


#22
Diisopropyl ether
Concen: 19.356 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 45 Resp: 274076

Ion	Ratio	Lower	Upper
45	100		
43	62.6	43.4	65.0
87	30.3	24.4	36.6
59	13.9	10.2	15.4

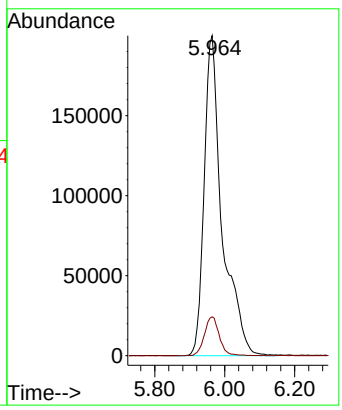




#23
Vinyl Acetate
Concen: 91.149 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 71366

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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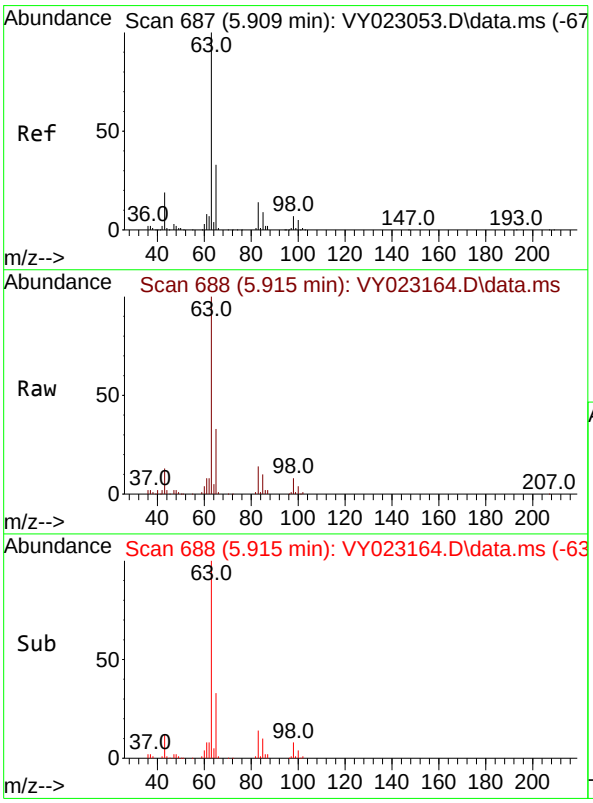
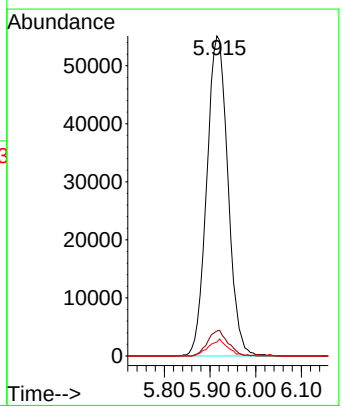
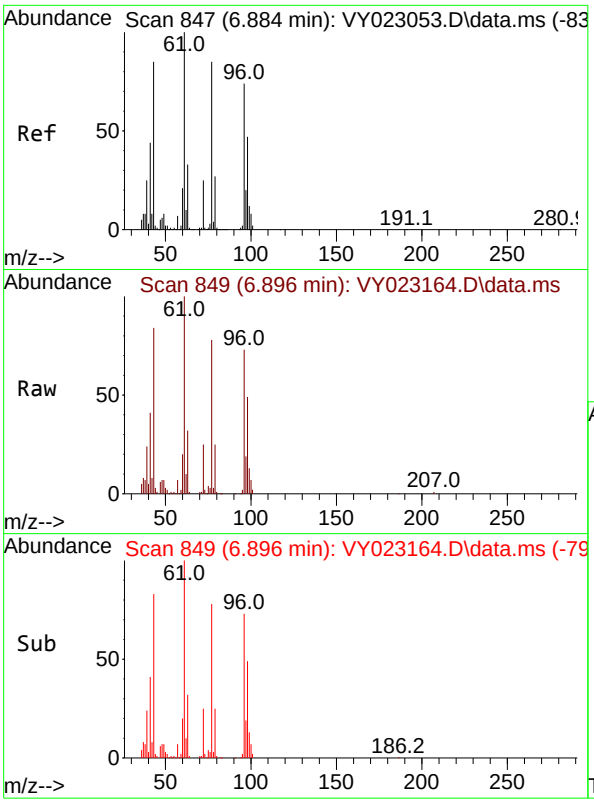


#24
1,1-Dichloroethane
Concen: 20.424 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 63 Resp: 176815

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.5	10.6
100	4.4	2.4	7.1





#25
2-Butanone
Concen: 99.942 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 12897

Ion	Ratio	Lower	Upper
43	100		
72	29.8	23.5	35.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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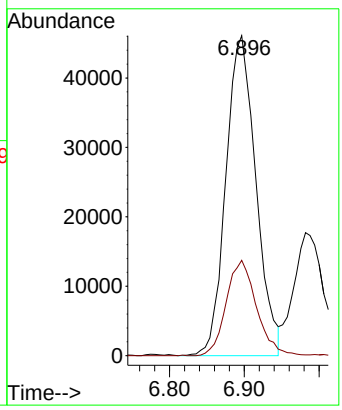
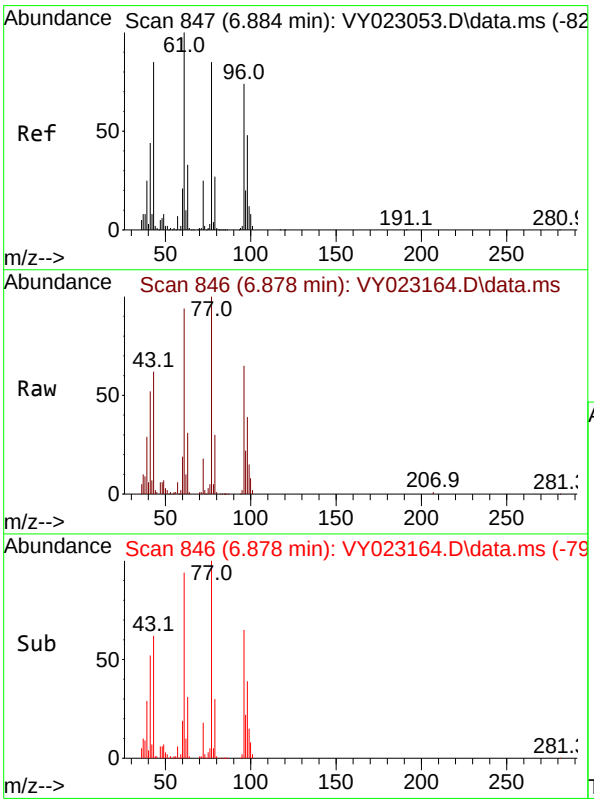
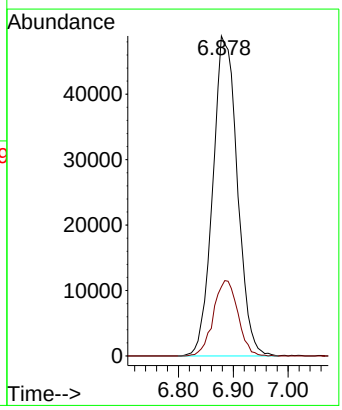


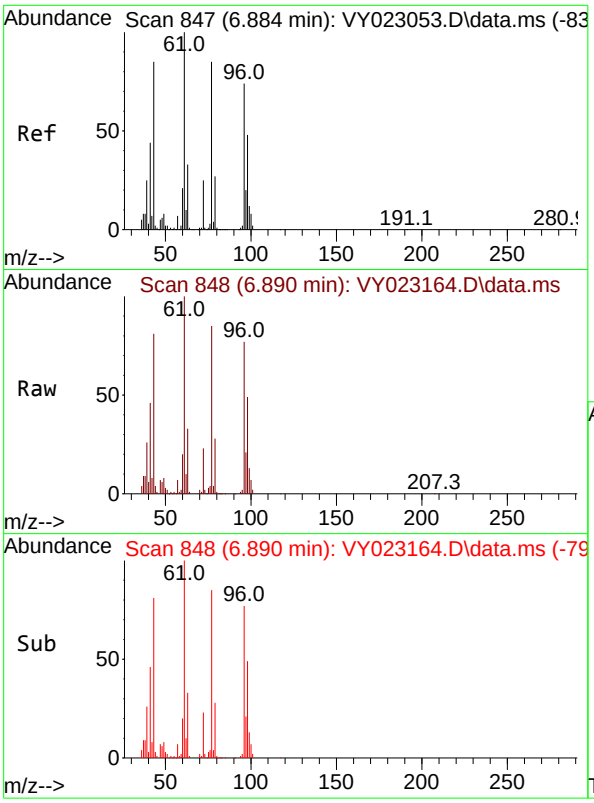


#26
2,2-Dichloropropane
Concen: 20.404 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 77 Resp: 152419

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.6	34.8

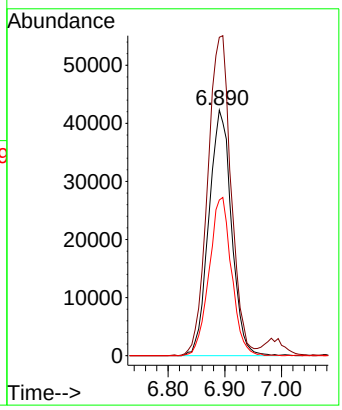




#27
cis-1,2-Dichloroethene
Concen: 20.382 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 96 Resp: 11726

Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	278.6
98	63.7	0.0	130.4



Instrument :
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ClientSampleId :
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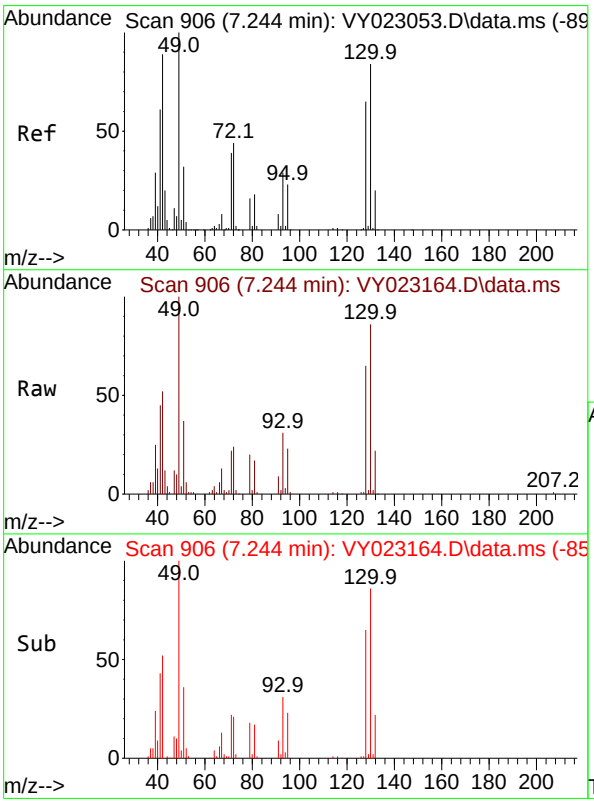
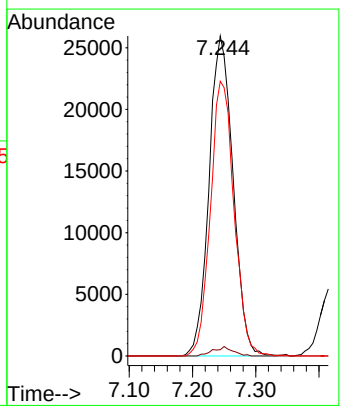
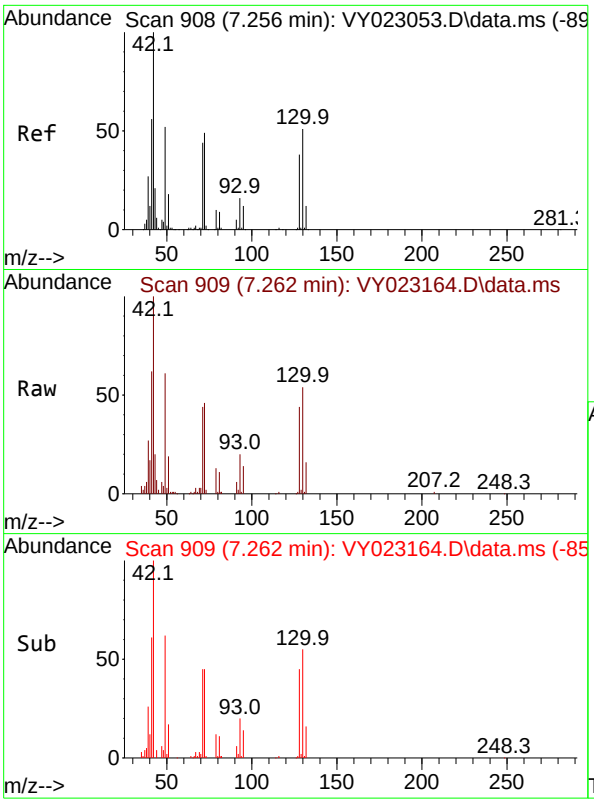


#28
Bromochloromethane
Concen: 19.885 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 49 Resp: 68297

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	84.5	66.4	99.6





#29
Tetrahydrofuran
Concen: 88.345 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 42 Resp: 7067(

Ion	Ratio	Lower	Upper
42	100		
72	47.7	39.4	59.2
71	45.7	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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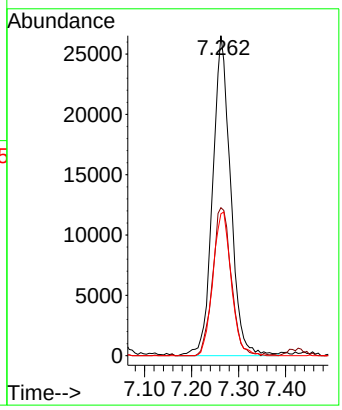
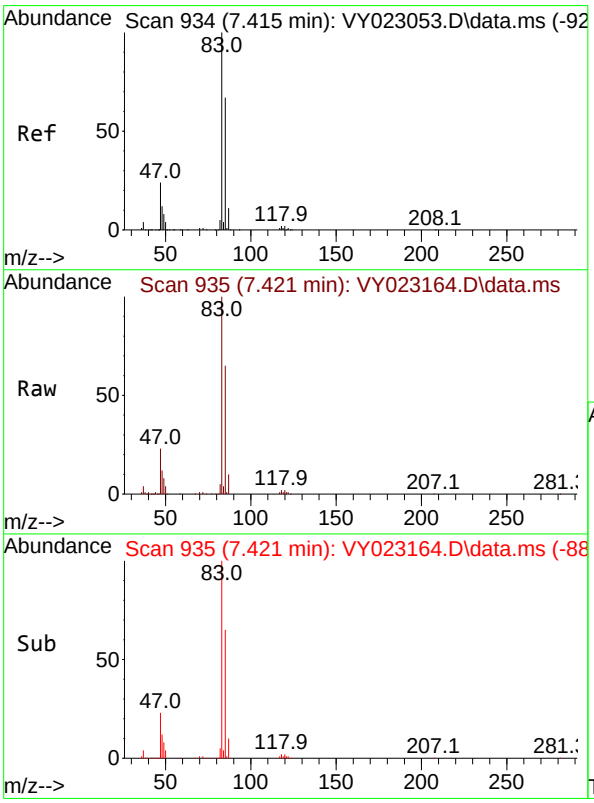
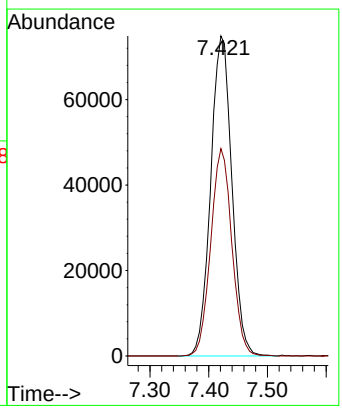


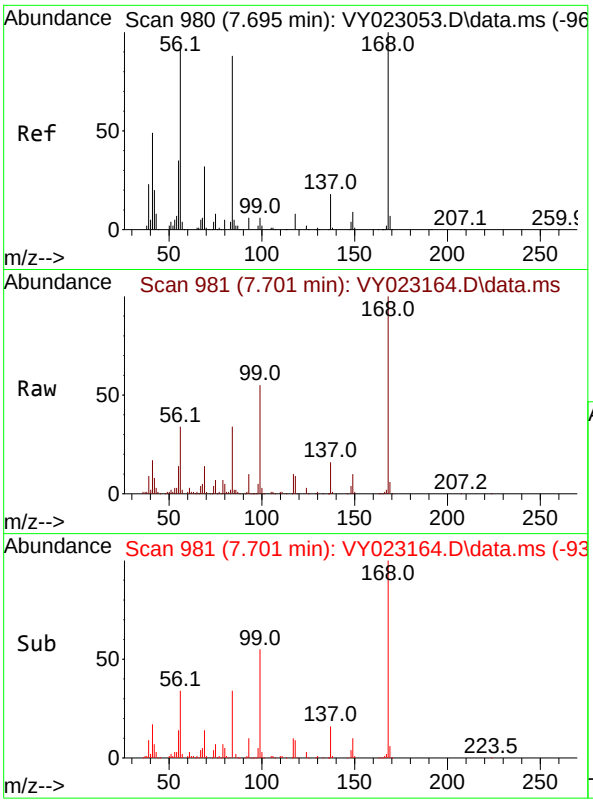


#30
Chloroform
Concen: 20.993 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 83 Resp: 187434

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8

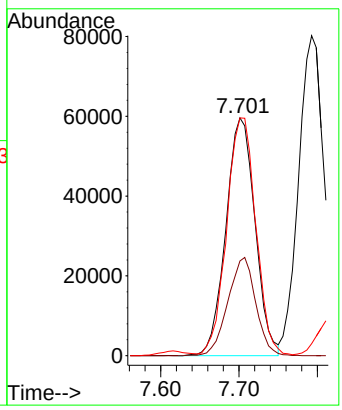




#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 56 Resp: 15441

Ion	Ratio	Lower	Upper
56	100		
69	39.9	28.2	42.2
84	98.3	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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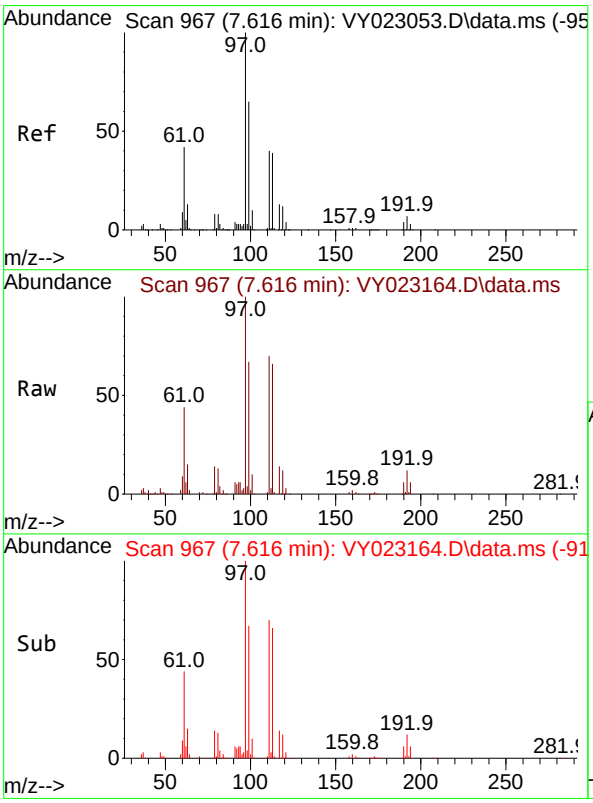
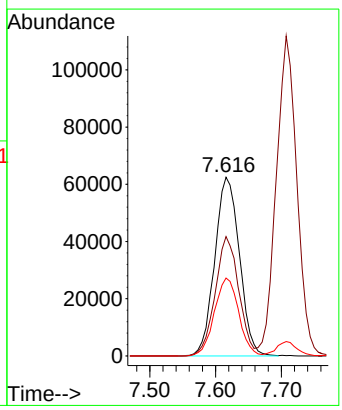
Supervised By :Semsettin Yesilyurt 08/22/2025

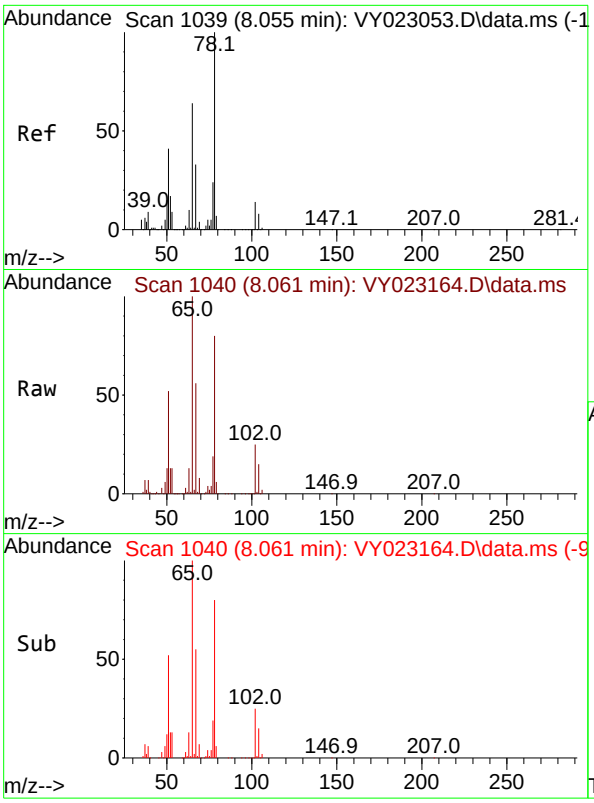


#32
1,1,1-Trichloroethane
Concen: 20.612 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 97 Resp: 163289

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.6	77.4
61	43.0	34.2	51.2

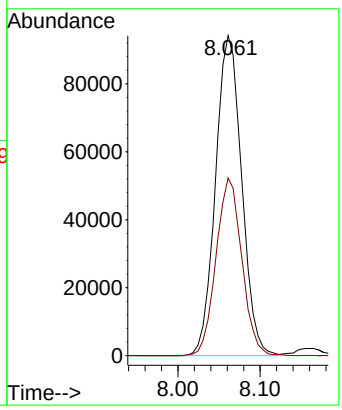




#33
1,2-Dichloroethane-d4
Concen: 47.528 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 65 Resp: 20816

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	106.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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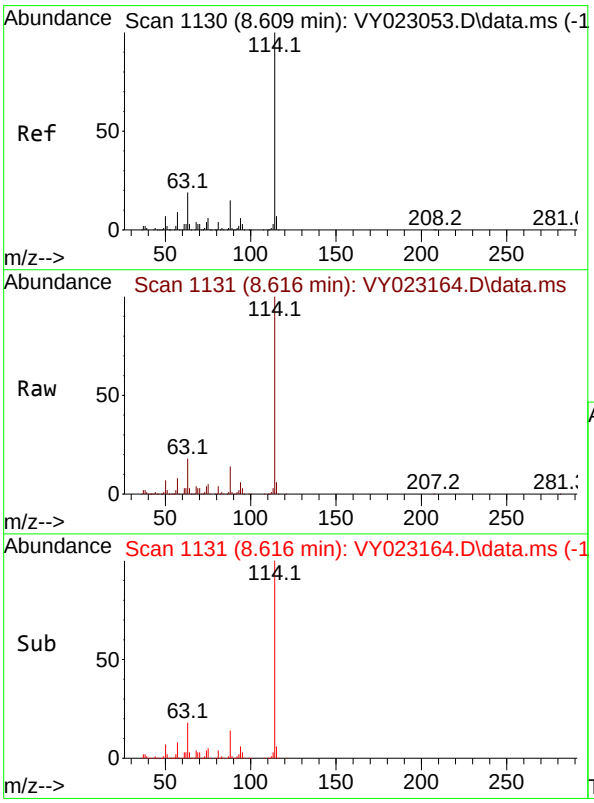
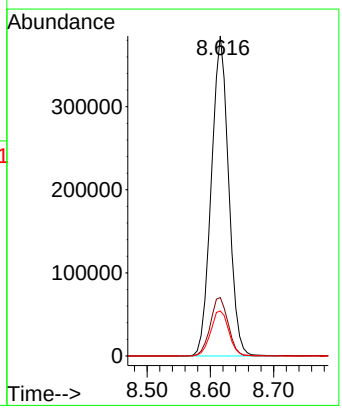
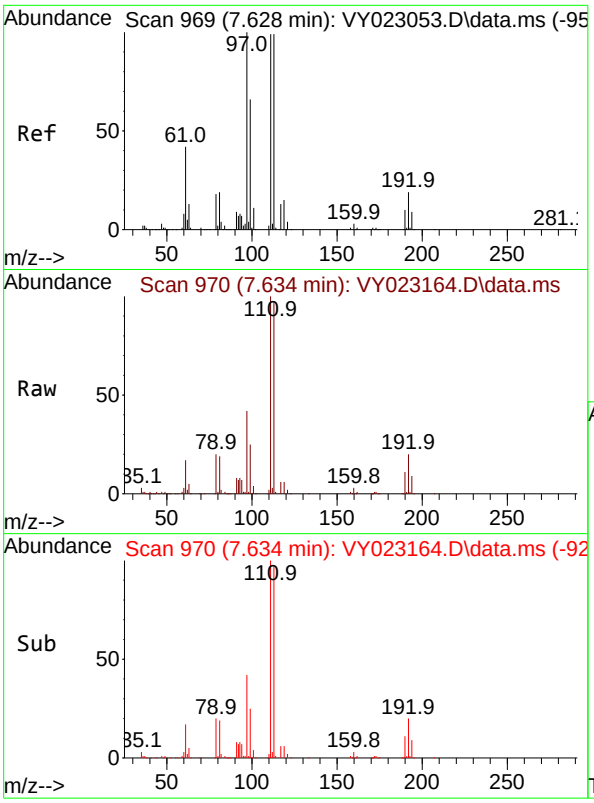


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:114 Resp: 730484

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	14.0	0.0	30.0

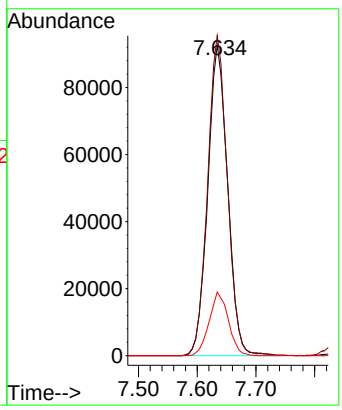




#35
Dibromofluoromethane
Concen: 49.702 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:113 Resp: 21724

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	19.8	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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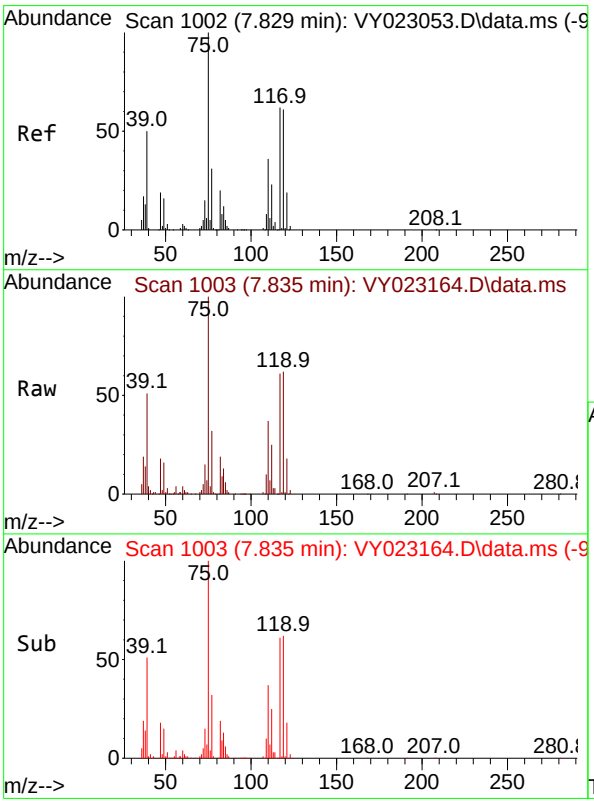
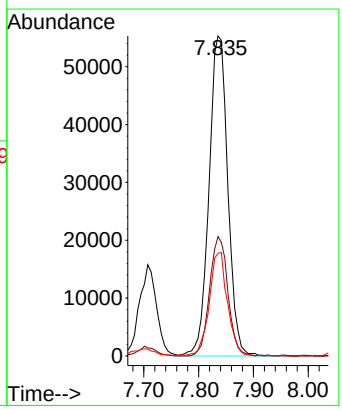
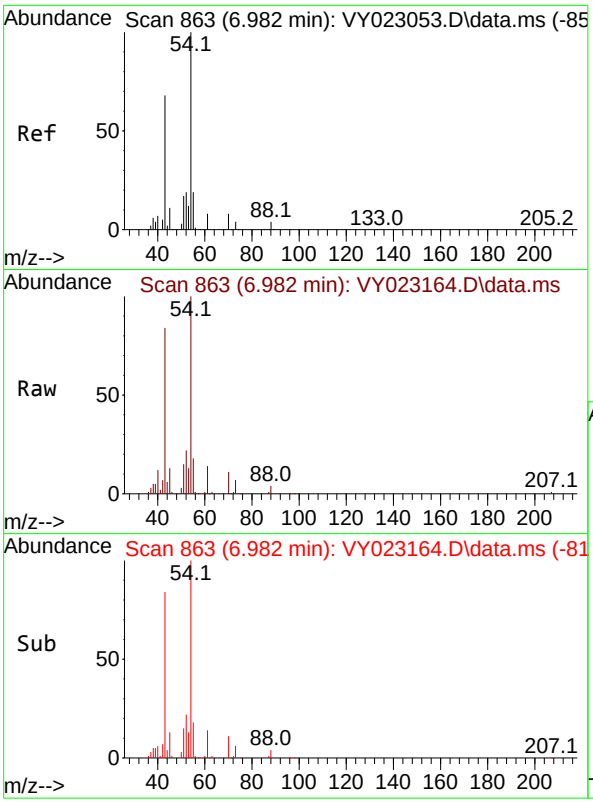


#36
1,1-Dichloropropene
Concen: 20.252 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 131556

Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.4
77	31.7	24.6	37.0





#37
Ethyl Acetate
Concen: 18.572 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 5067

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.4	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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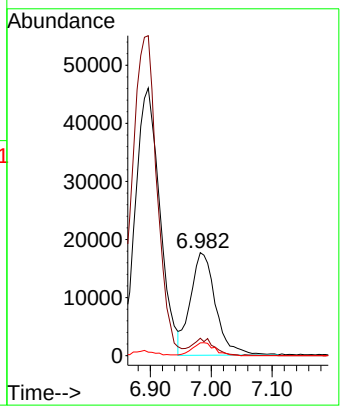
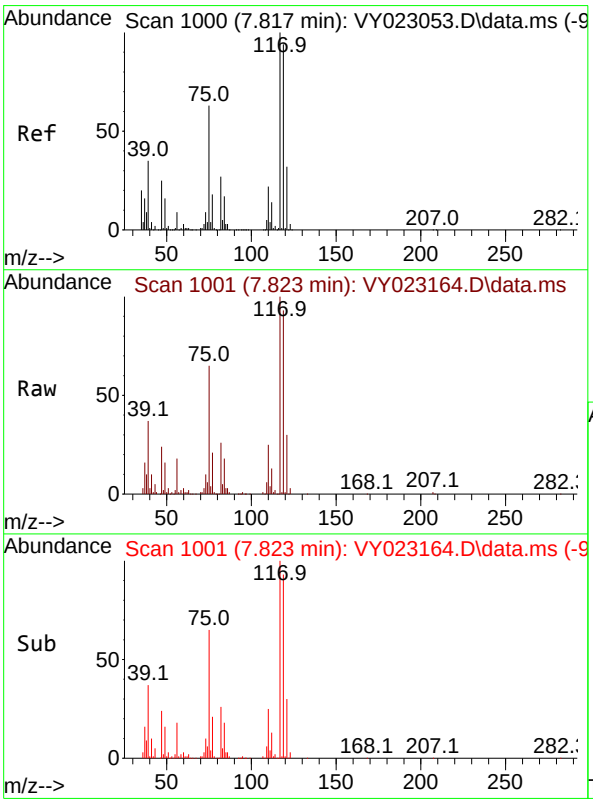
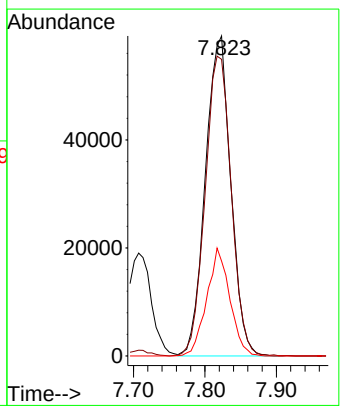


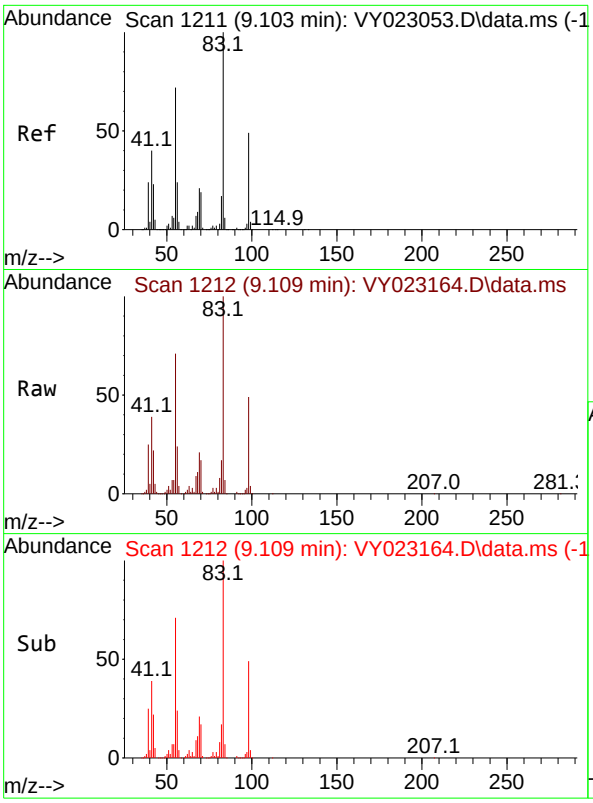


#38
Carbon Tetrachloride
Concen: 20.707 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:117 Resp: 146099

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.6	113.4
121	29.6	25.8	38.8

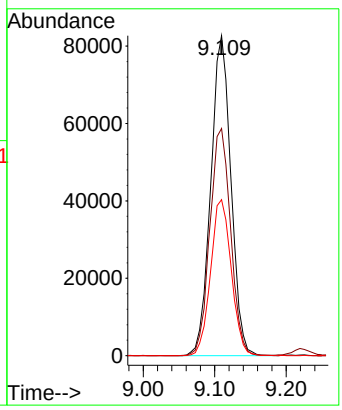




#39
Methylcyclohexane
Concen: 18.926 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 83 Resp: 16189

Ion	Ratio	Lower	Upper
83	100		
55	71.0	57.6	86.4
98	48.8	39.2	58.8



Instrument :
MSVOA_Y
ClientSampleId :
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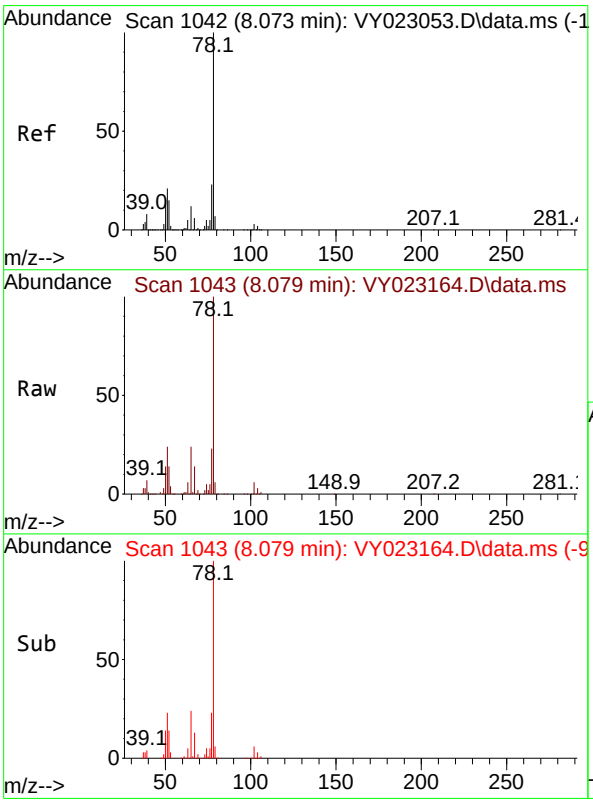
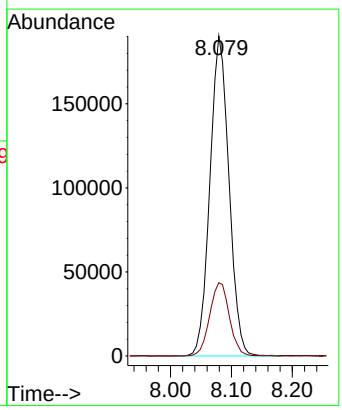
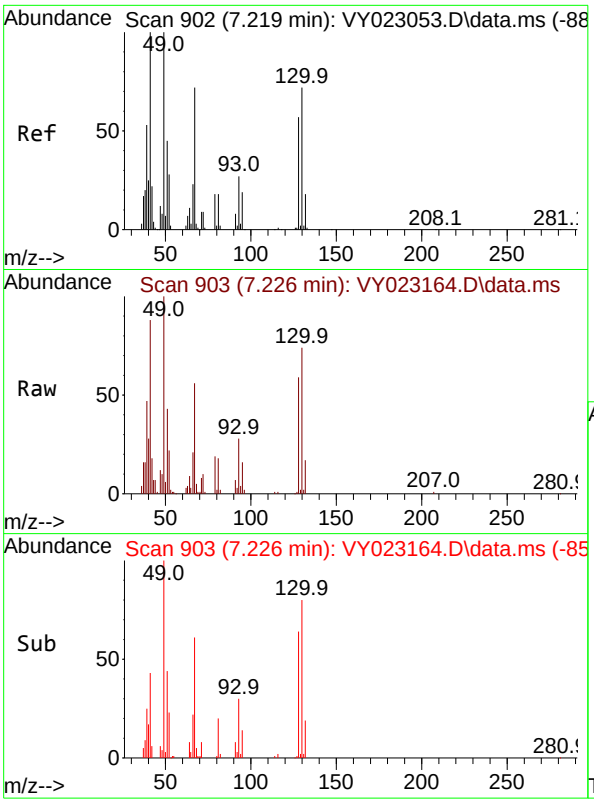


#40
Benzene
Concen: 20.662 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 78 Resp: 413672

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0

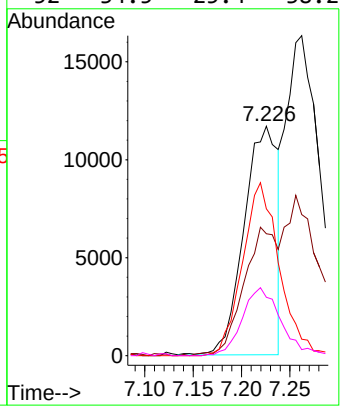




#41
Methacrylonitrile
Concen: 17.963 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 41 Resp: 2828

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.4	65.2
67	83.7	63.6	95.4
52	34.5	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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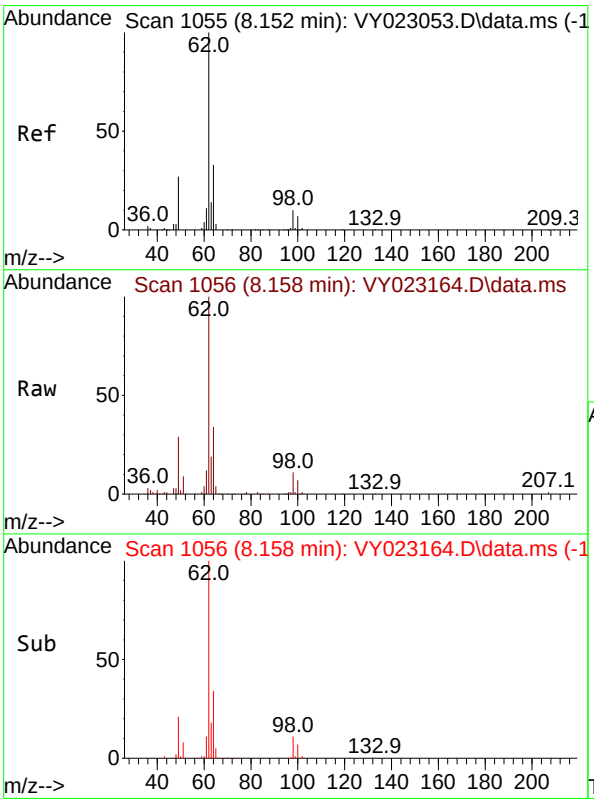
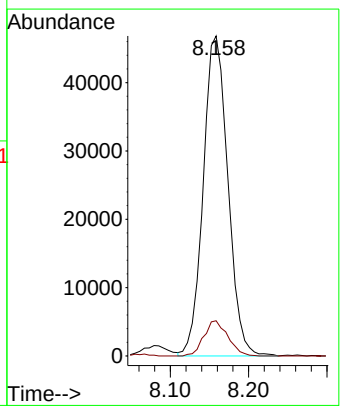
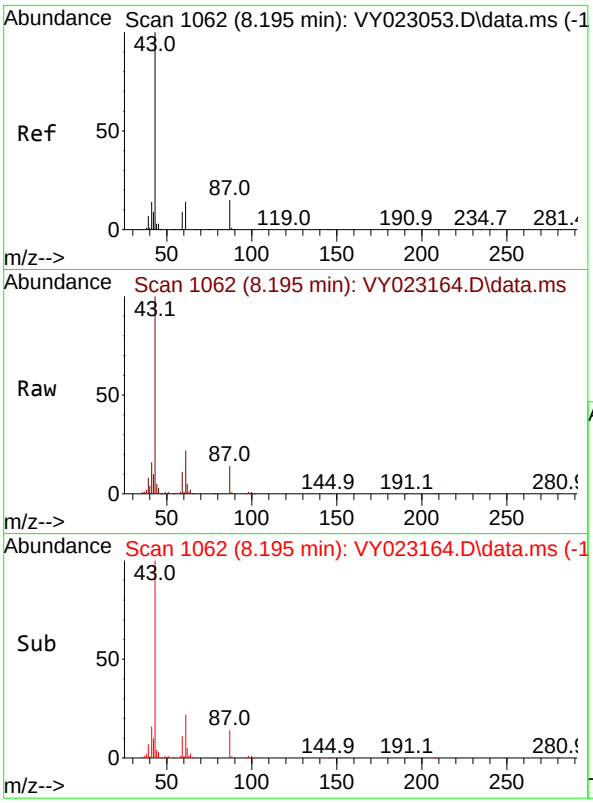


#42
1,2-Dichloroethane
Concen: 19.682 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 62 Resp: 102487

Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





#43
Isopropyl Acetate
Concen: 17.327 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 9556

Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	14.8	11.8	17.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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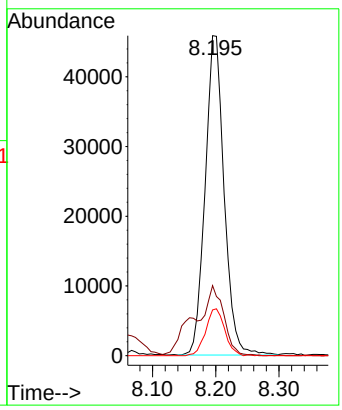
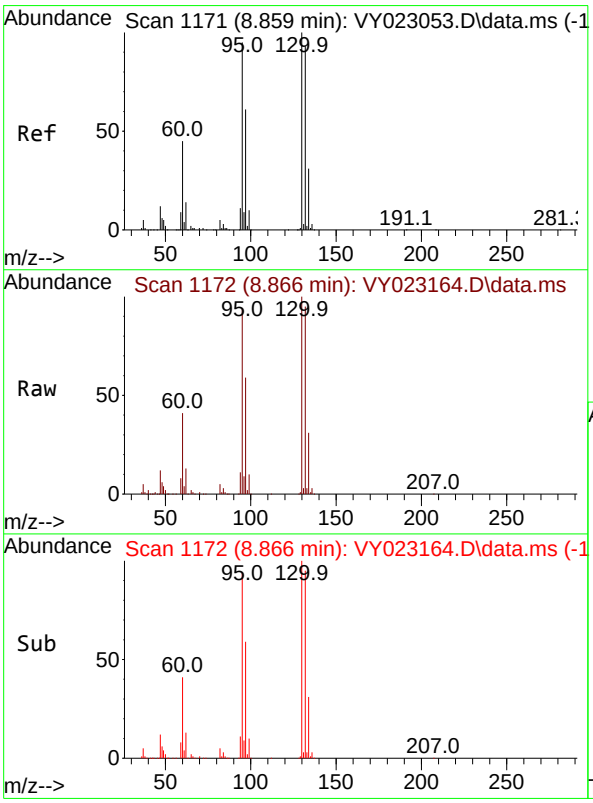
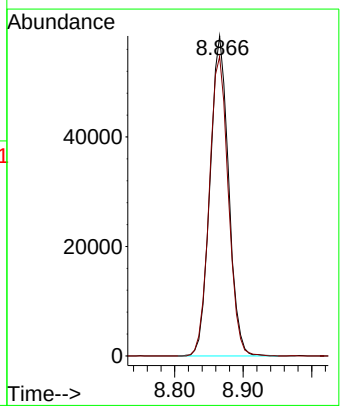


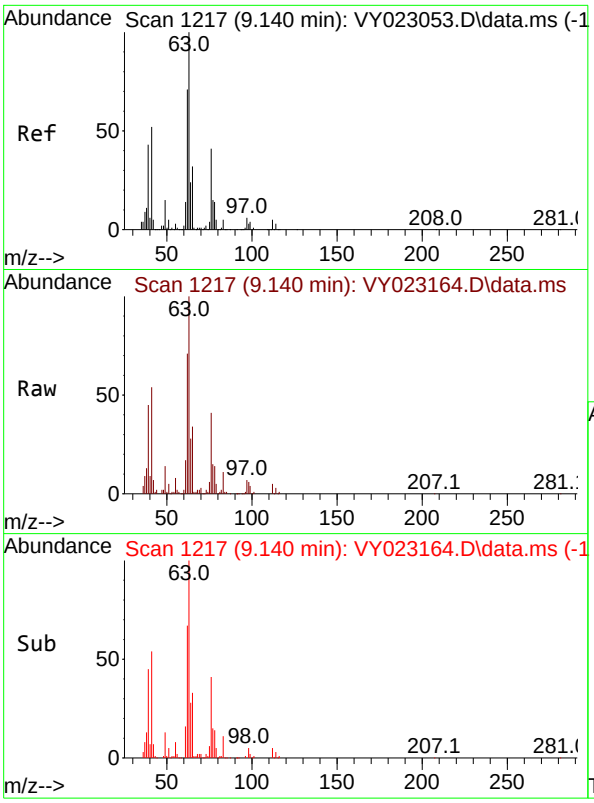


#44
Trichloroethene
Concen: 21.260 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:130 Resp: 109999

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	190.2

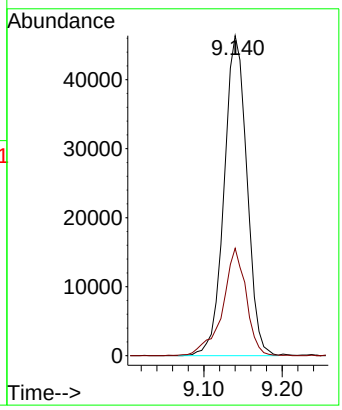




#45
1,2-Dichloropropane
Concen: 20.332 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 63 Resp: 9366

Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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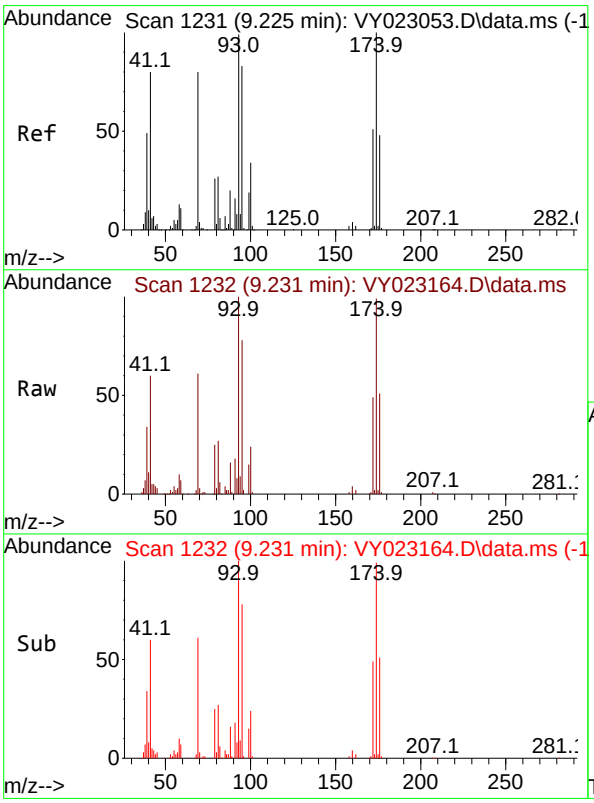
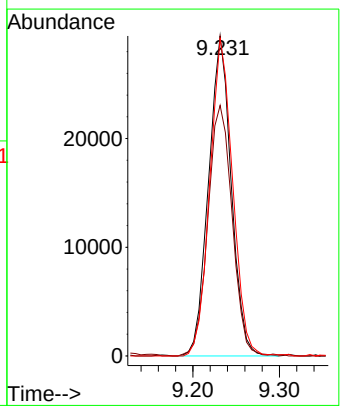
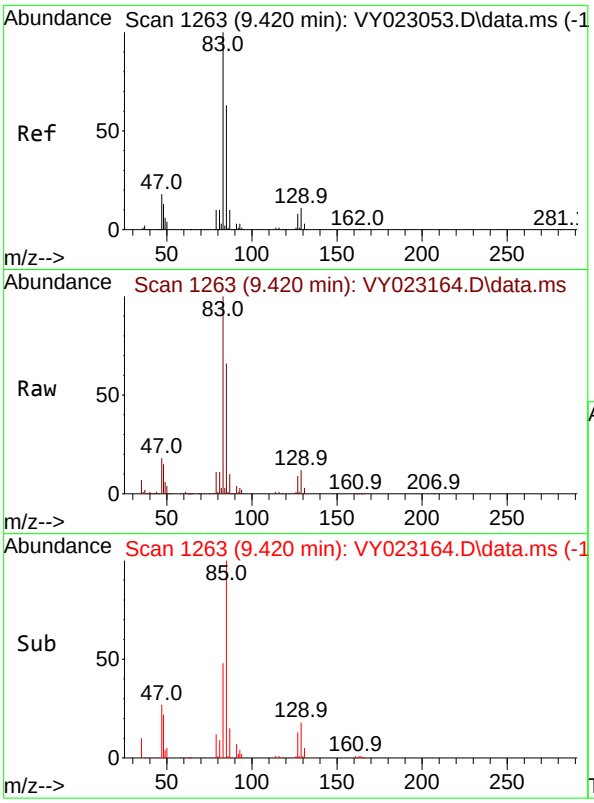


#46
Dibromomethane
Concen: 20.240 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 93 Resp: 53516

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.5	99.7
174	100.3	81.8	122.8

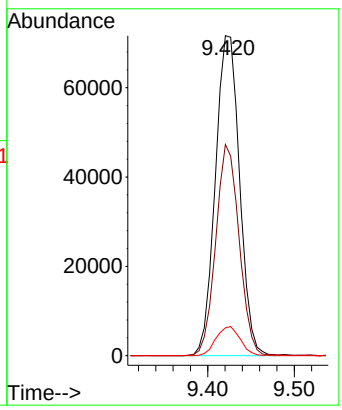




#47
Bromodichloromethane
Concen: 20.448 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 83 Resp: 13912

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.2	75.4
127	8.7	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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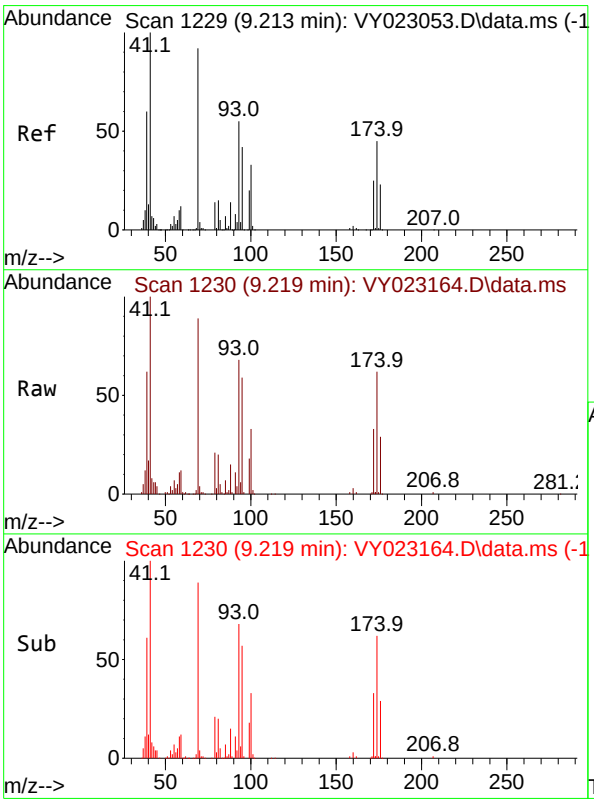
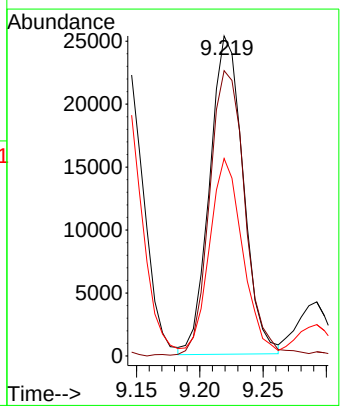
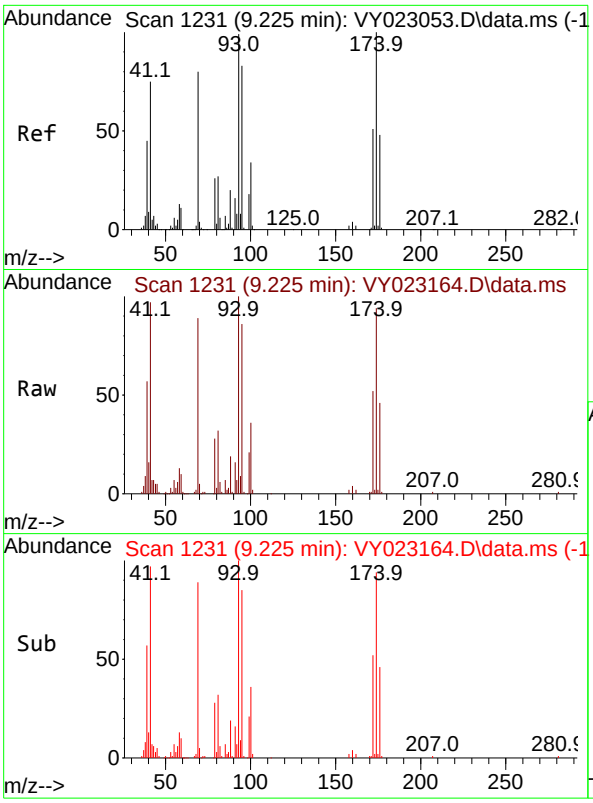


#48
Methyl methacrylate
Concen: 17.692 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 41 Resp: 46693

Ion	Ratio	Lower	Upper
41	100		
69	94.8	73.2	109.8
39	58.1	47.0	70.4

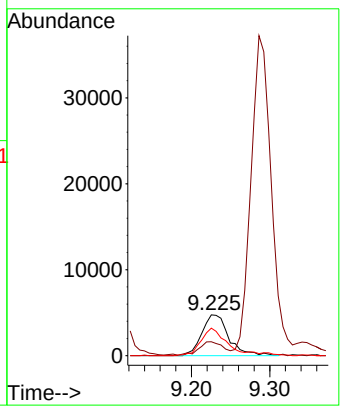




#49
1,4-Dioxane
Concen: 367.192 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 88 Resp: 1138

Ion	Ratio	Lower	Upper
88	100		
43	28.7	24.3	36.5
58	68.0	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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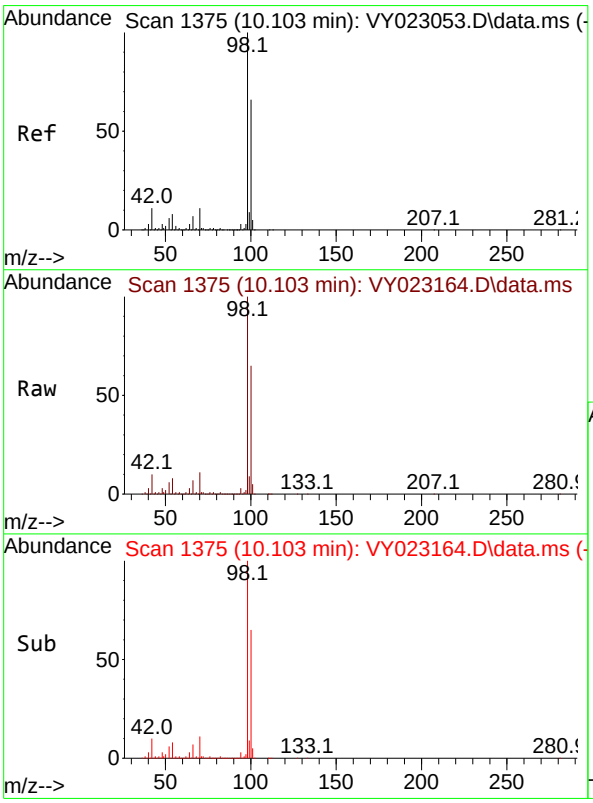
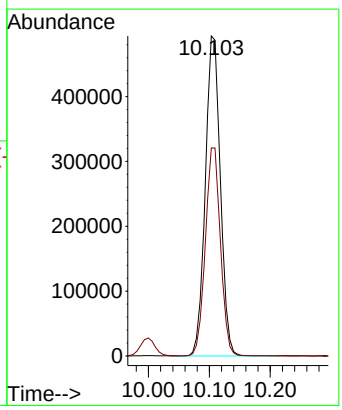
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

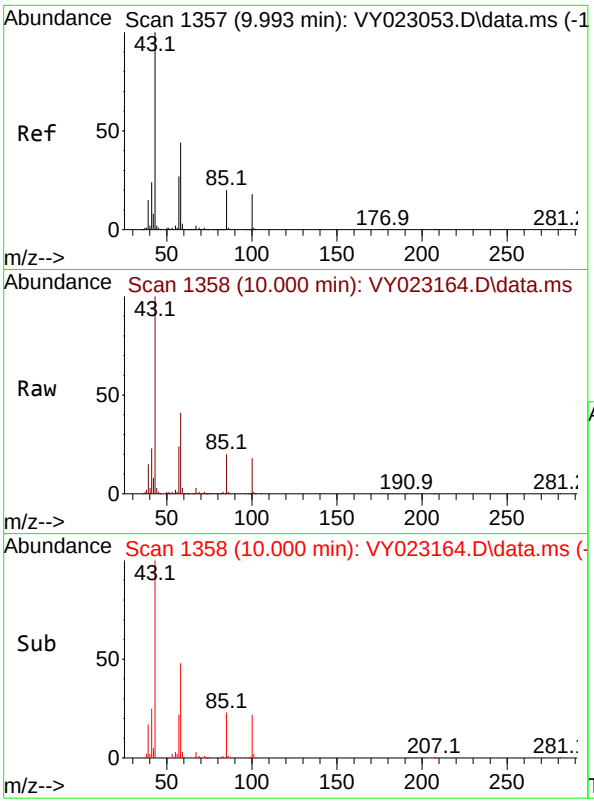


#50
Toluene-d8
Concen: 49.685 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 98 Resp: 848402

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

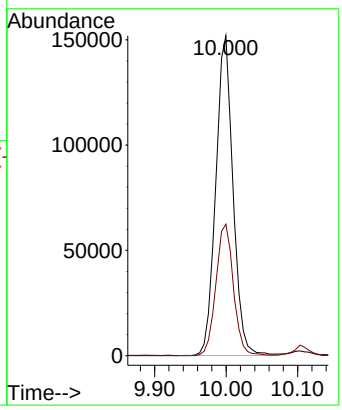




#51
4-Methyl-2-Pentanone
Concen: 89.392 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 25431

Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.5	50.3



Instrument :
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ClientSampleId :
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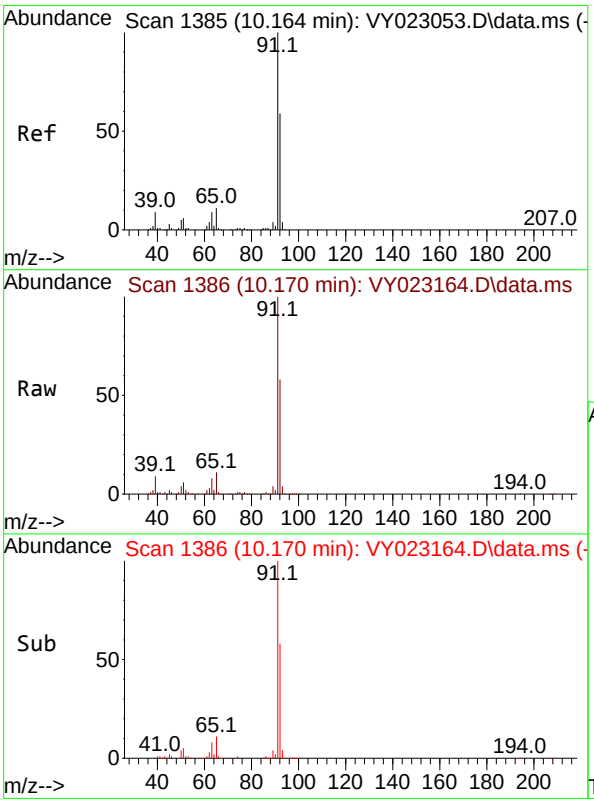
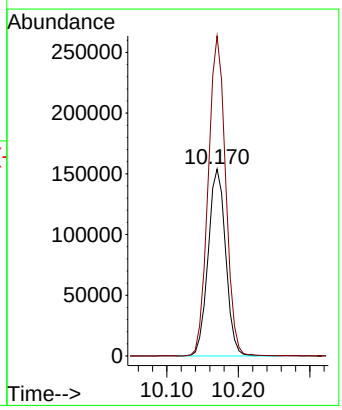
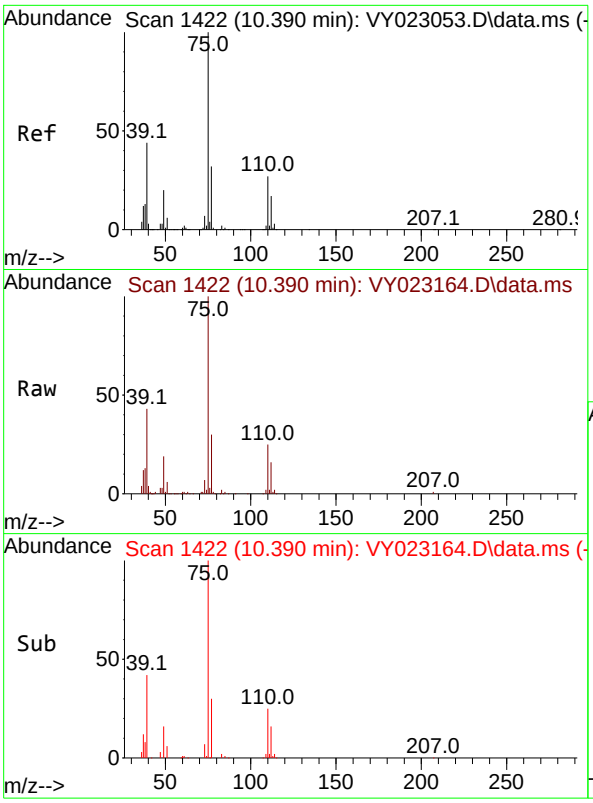


#52
Toluene
Concen: 20.509 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 92 Resp: 260797

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.4	204.6

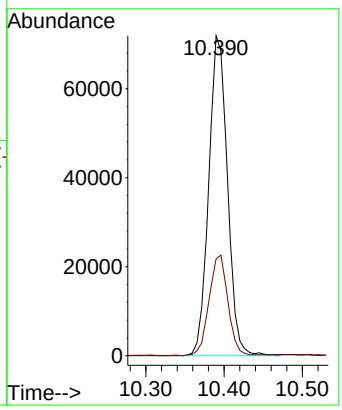




#53
t-1,3-Dichloropropene
Concen: 19.360 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 11927

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.7	38.5



Instrument :
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ClientSampleId :
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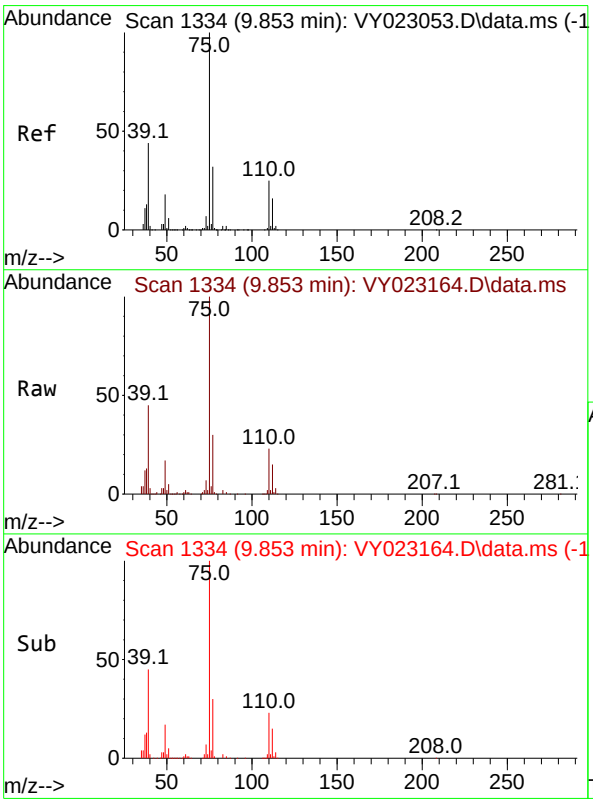
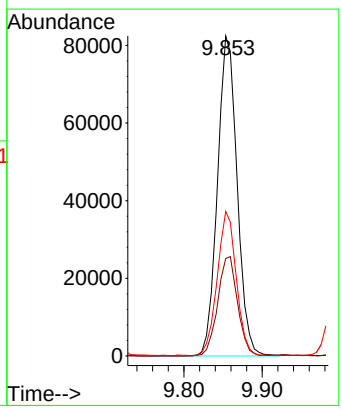
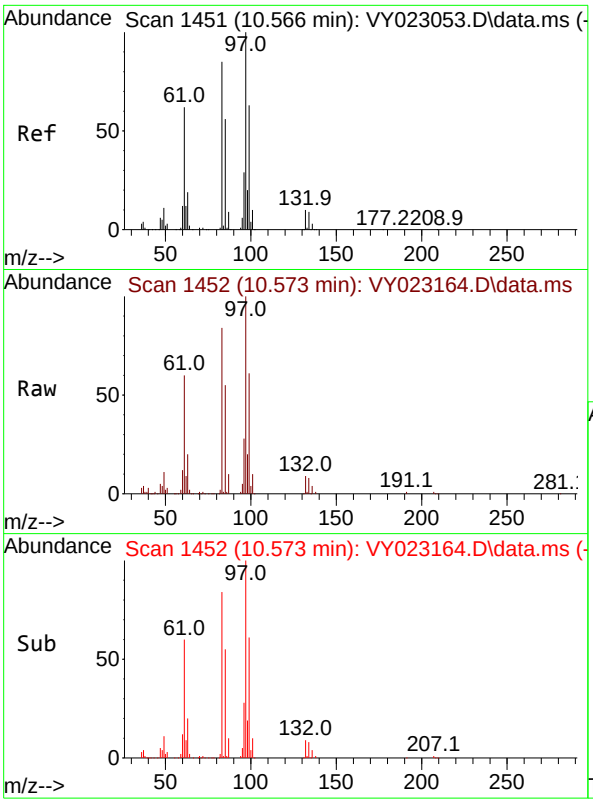


#54
cis-1,3-Dichloropropene
Concen: 19.737 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 143792

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0
39	45.0	35.6	53.4

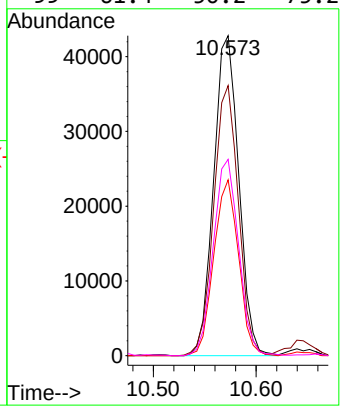




#55
1,1,2-Trichloroethane
Concen: 20.536 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 97 Resp: 7265

Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.7	101.5
85	55.0	44.5	66.7
99	61.4	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
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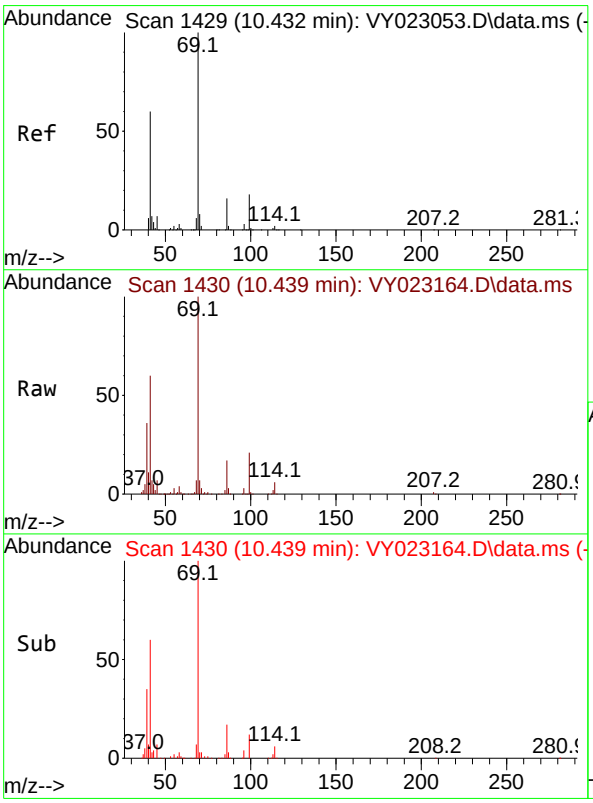
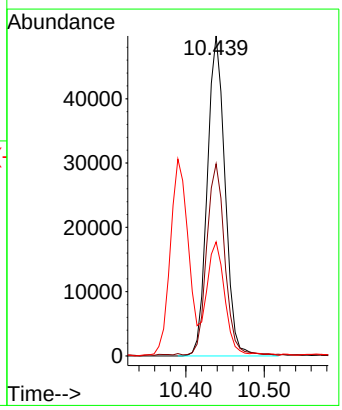
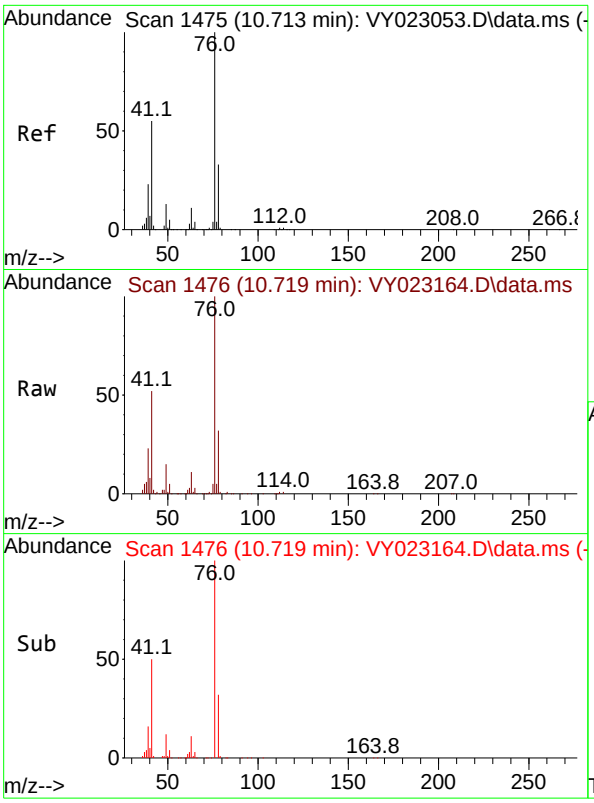


#56
Ethyl methacrylate
Concen: 17.322 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 69 Resp: 78424

Ion	Ratio	Lower	Upper
69	100		
41	60.3	48.6	72.8
39	35.1	27.0	40.4

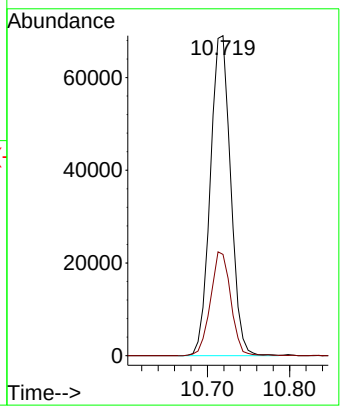




#57
1,3-Dichloropropane
Concen: 19.754 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 76 Resp: 11852

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
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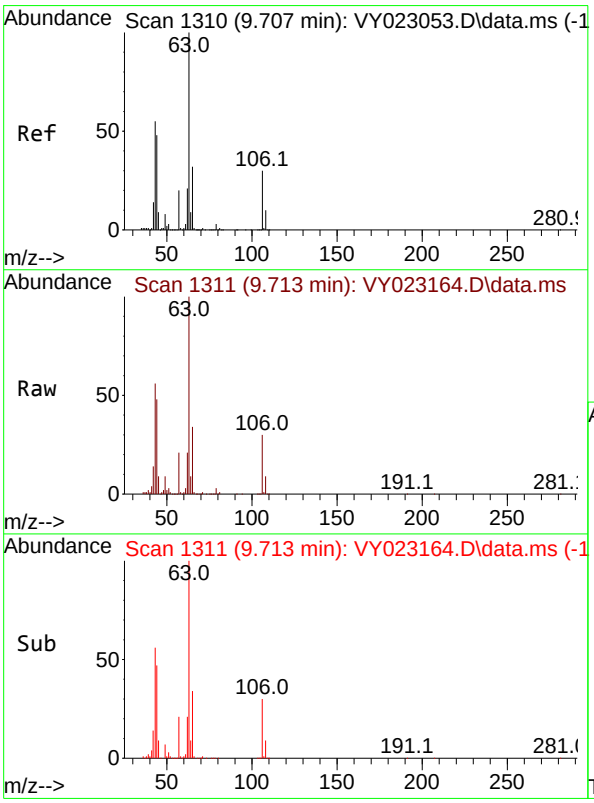
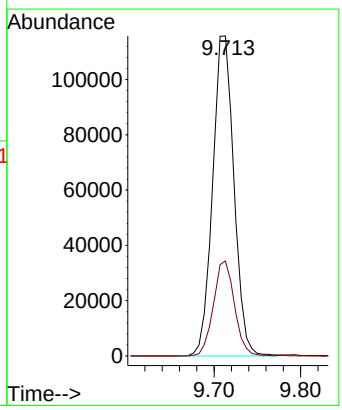
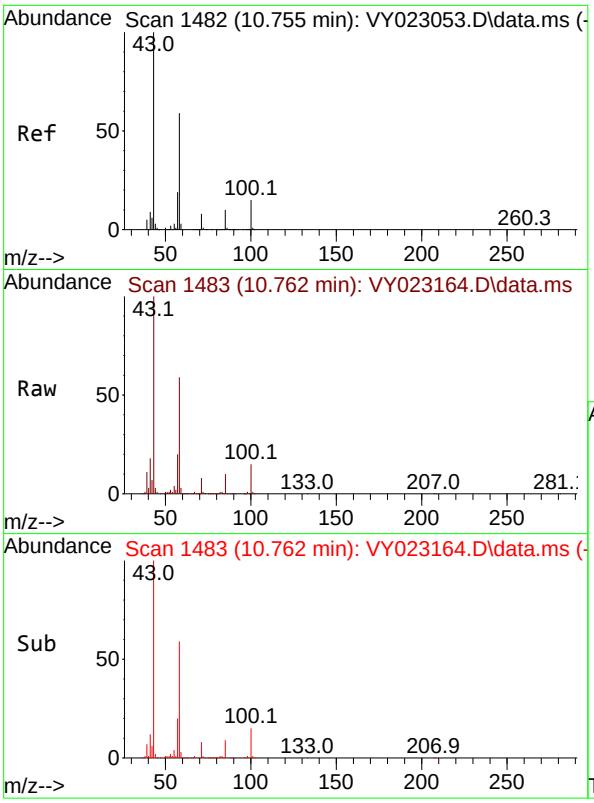


#58
2-Chloroethyl Vinyl ether
Concen: 92.633 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 63 Resp: 197822

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.2	34.8

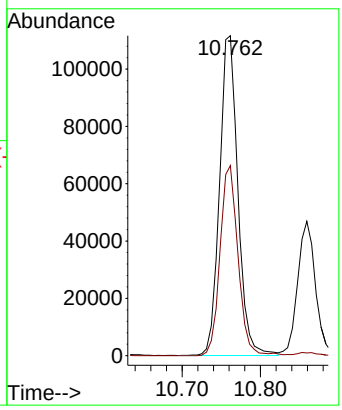




#59
2-Hexanone
Concen: 93.868 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 18184

Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.5	88.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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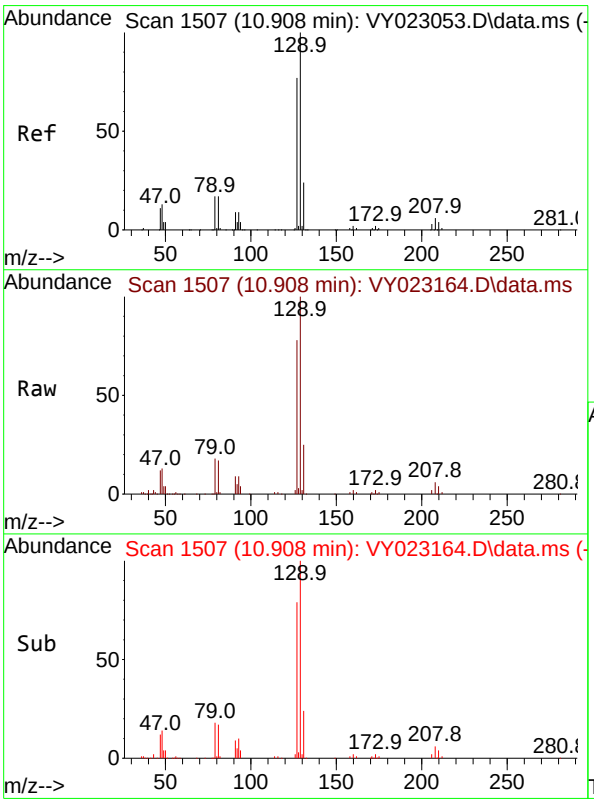
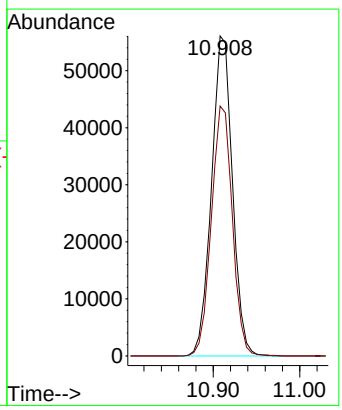
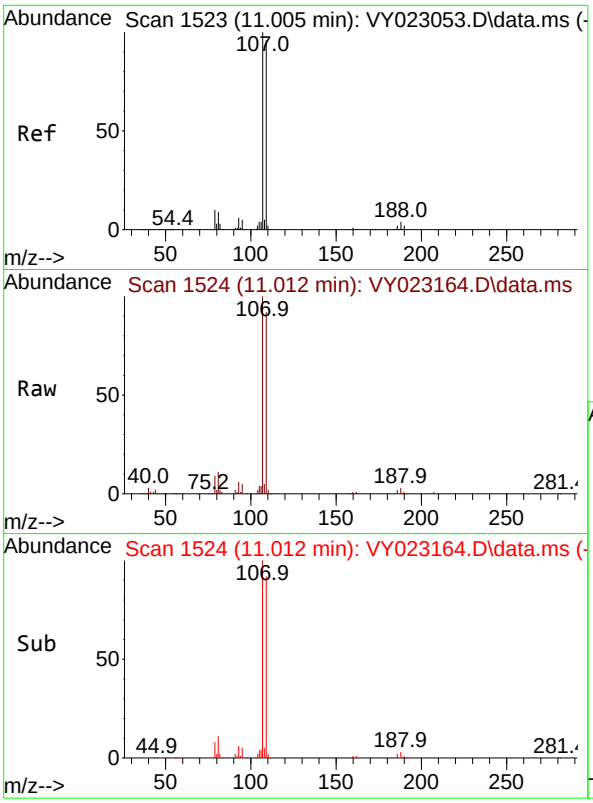


#60
Dibromochloromethane
Concen: 20.157 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:129 Resp: 94101

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5

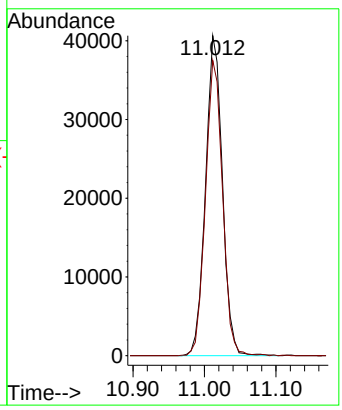




#61
1,2-Dibromoethane
Concen: 20.011 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:107 Resp: 6654

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4



Instrument :
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ClientSampleId :
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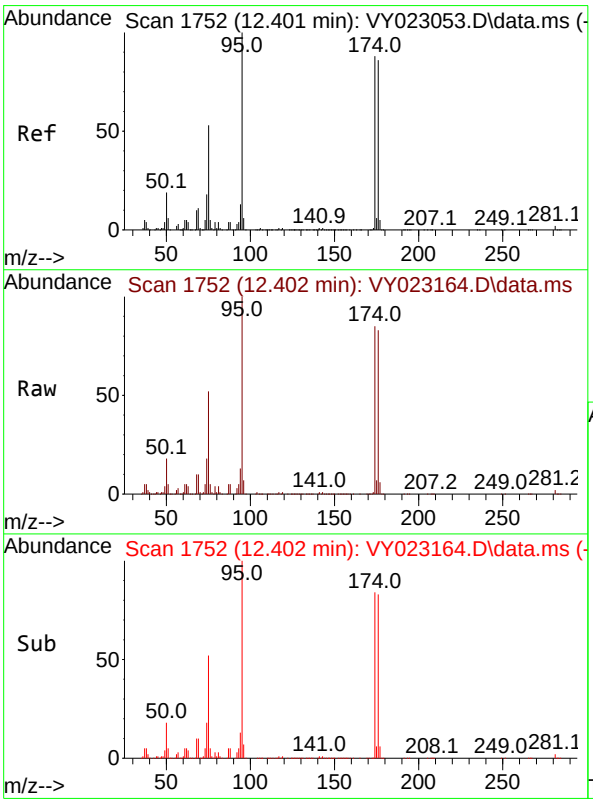
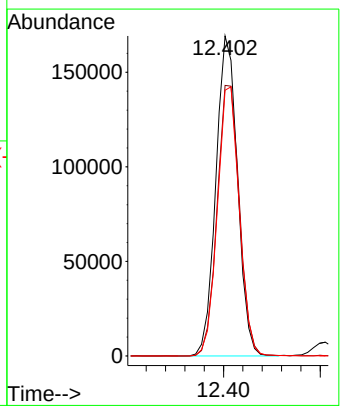
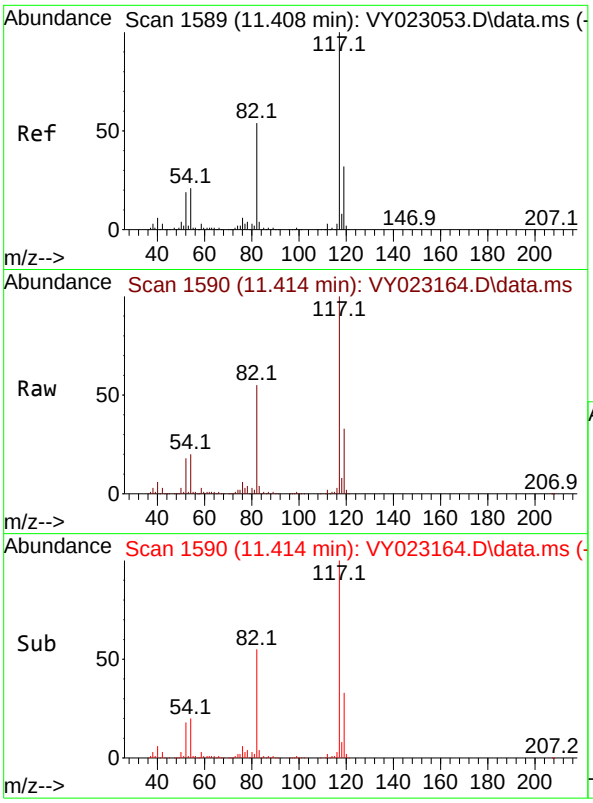


#62
4-Bromofluorobenzene
Concen: 47.601 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 95 Resp: 261400

Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	171.6
176	85.4	0.0	167.6

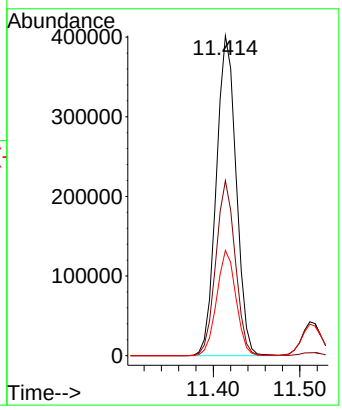




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:117 Resp: 64030

Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.4	65.0
119	32.9	25.6	38.4



Instrument :
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ClientSampleId :
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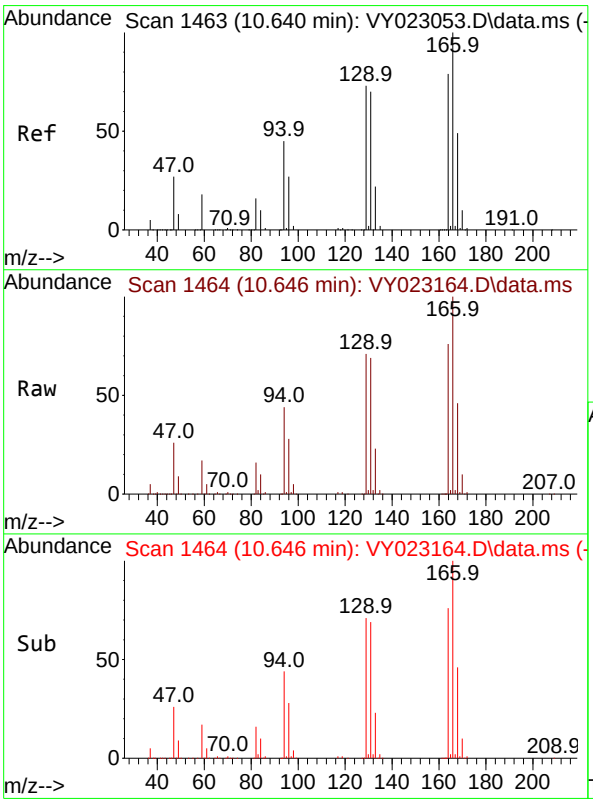
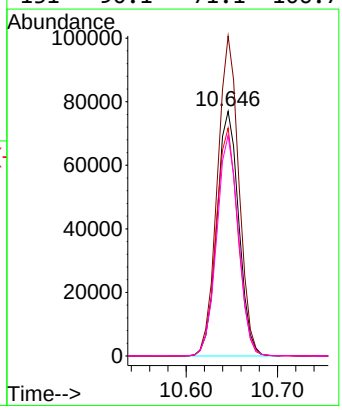
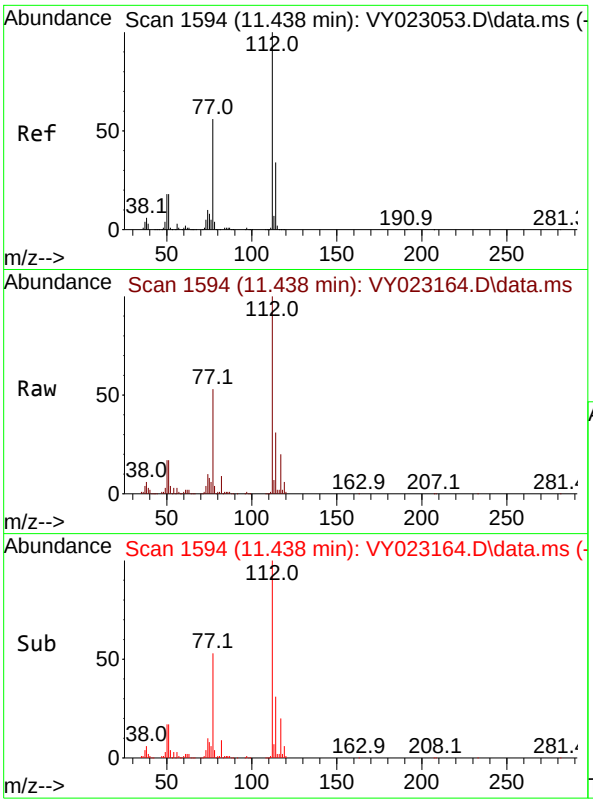


#64
Tetrachloroethene
Concen: 22.474 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:164 Resp: 128497

Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.1	151.7
129	93.2	74.0	111.0
131	90.1	71.1	106.7

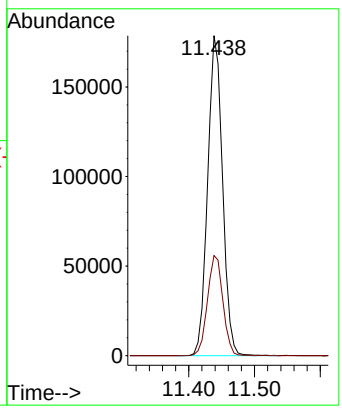




#65
Chlorobenzene
Concen: 20.348 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:112 Resp: 28103

Ion	Ratio	Lower	Upper
112	100		
114	31.3	27.0	40.4



Instrument :
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ClientSampleId :
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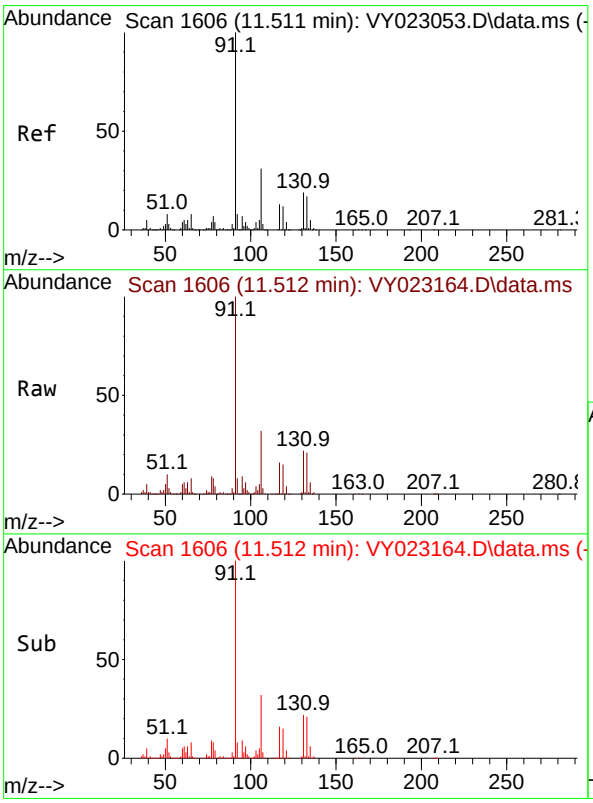
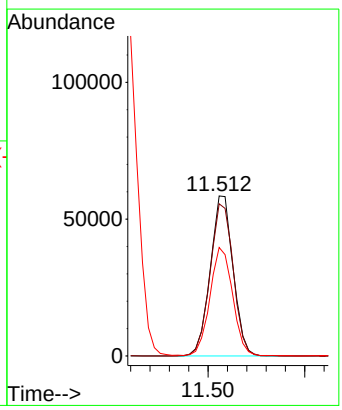
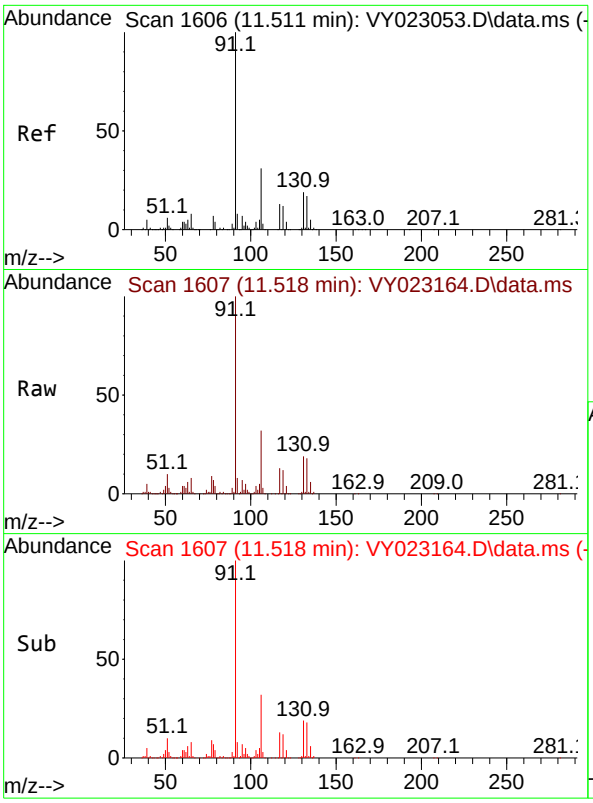


#66
1,1,1,2-Tetrachloroethane
Concen: 20.438 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:131 Resp: 95804

Ion	Ratio	Lower	Upper
131	100		
133	96.7	46.9	140.6
119	67.8	33.2	99.6

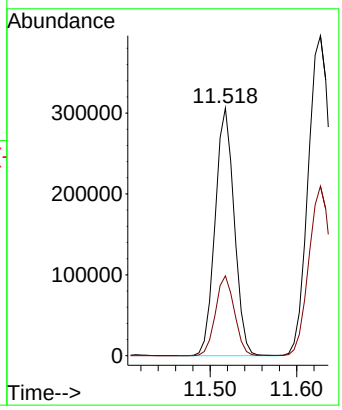




#67
Ethyl Benzene
Concen: 19.720 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 46870

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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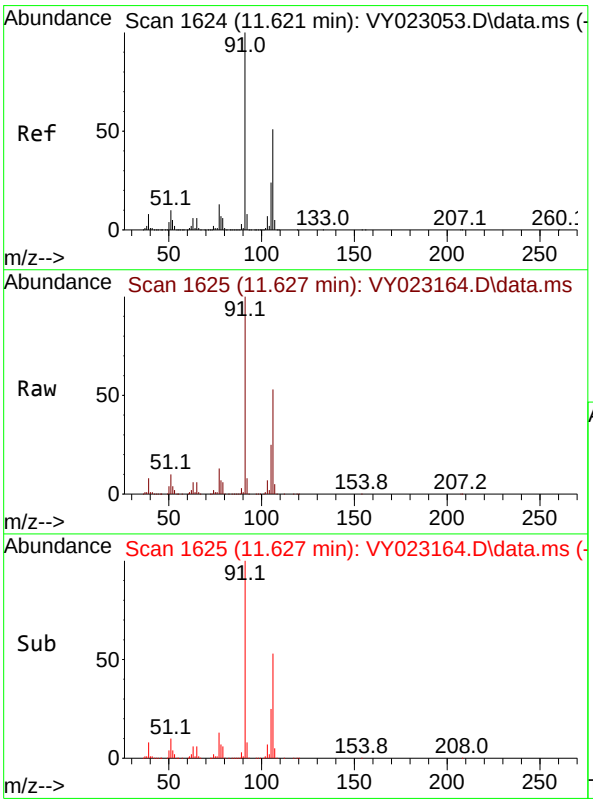
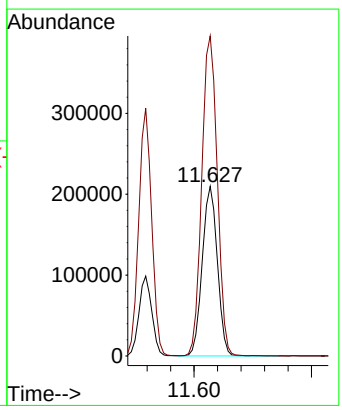
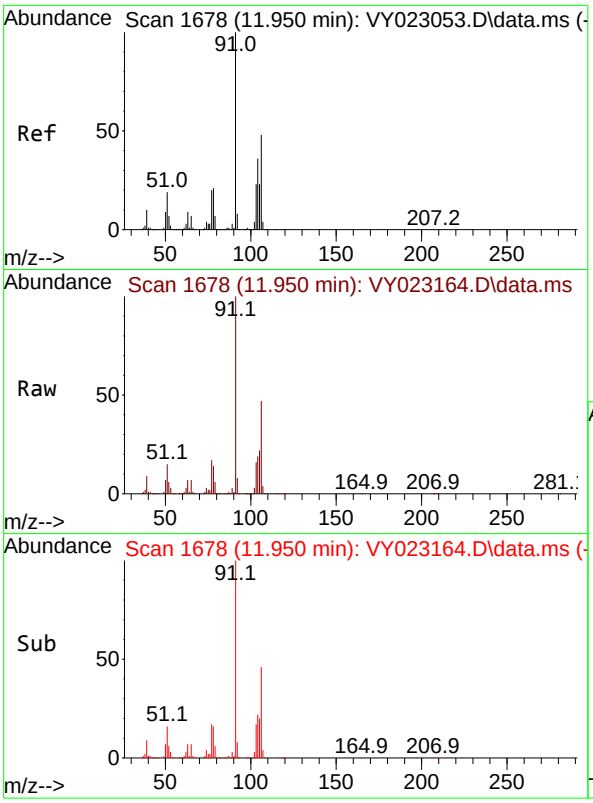


#68
m/p-Xylenes
Concen: 40.317 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:106 Resp: 374257

Ion	Ratio	Lower	Upper
106	100		
91	193.4	158.6	238.0





#69
o-Xylene
Concen: 19.476 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:106 Resp: 16933

Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.2	309.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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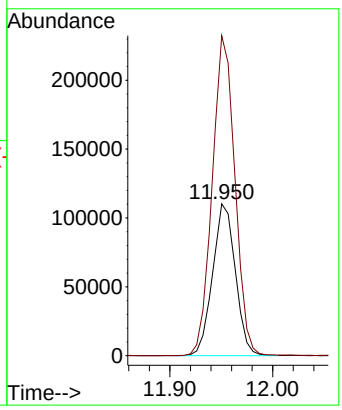
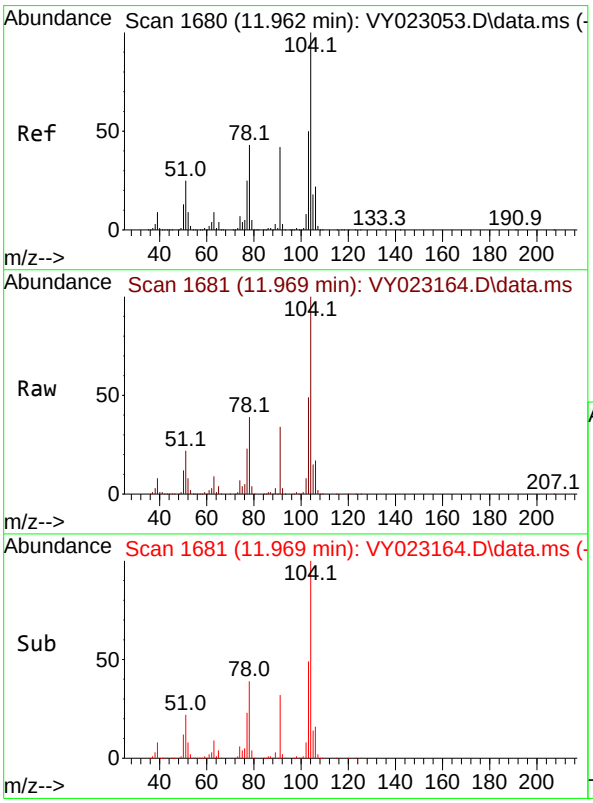
Supervised By :Semsettin Yesilyurt 08/22/2025

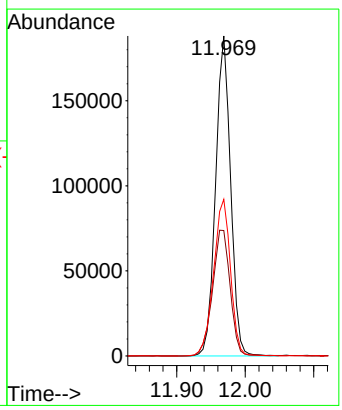


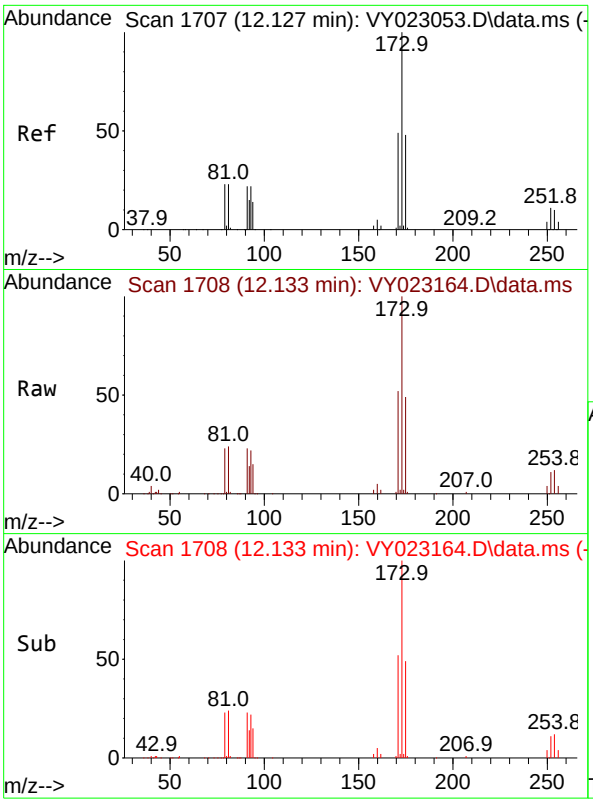


#70
Styrene
Concen: 20.117 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:104 Resp: 286037

Ion	Ratio	Lower	Upper
104	100		
78	46.3	38.5	57.7
103	55.3	43.7	65.5

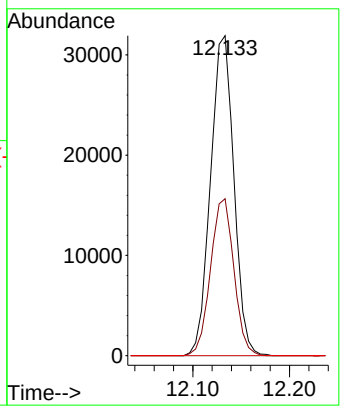




#71
Bromoform
Concen: 19.537 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:173 Resp: 5352

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.7
254	0.0	0.1	0.1#



Instrument :
MSVOA_Y
ClientSampleId :
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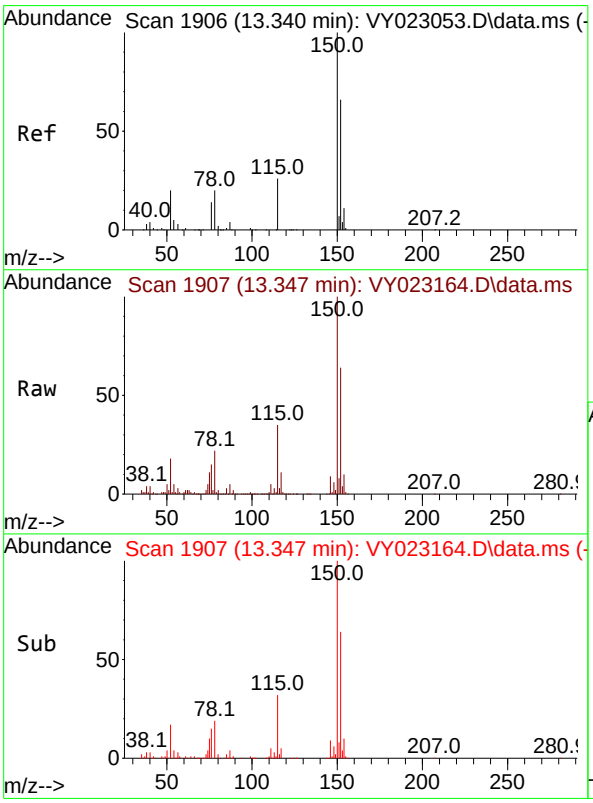
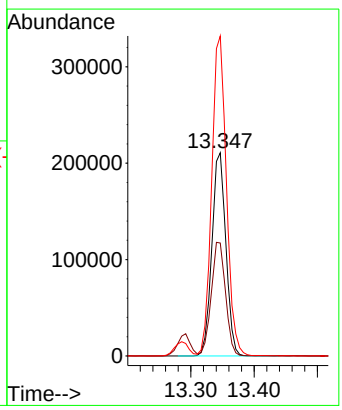
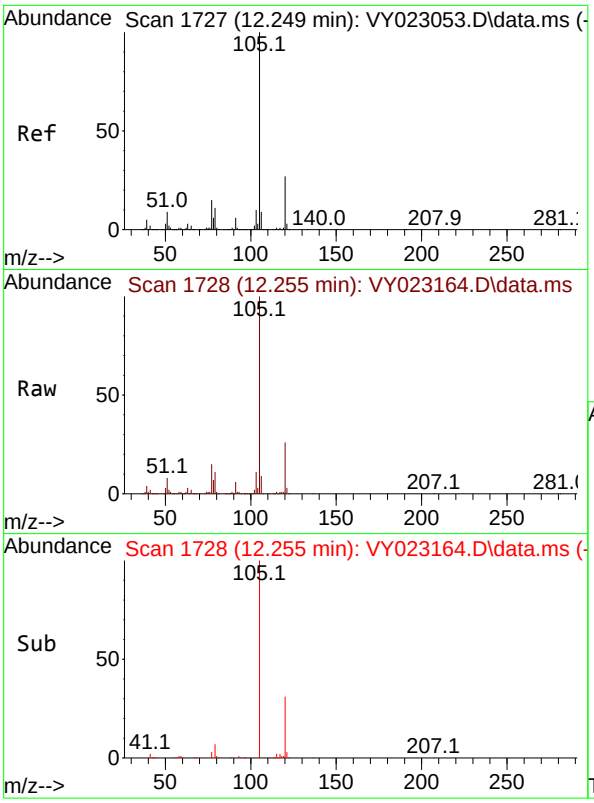


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:152 Resp: 323804

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.2	84.6
150	165.0	0.0	348.0

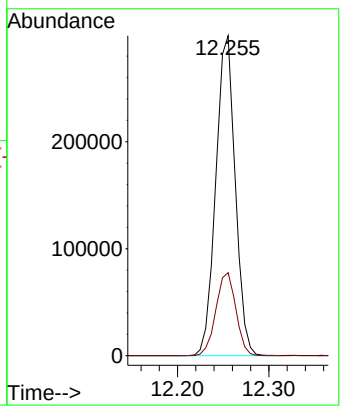




#73
Isopropylbenzene
Concen: 19.372 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 44273

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
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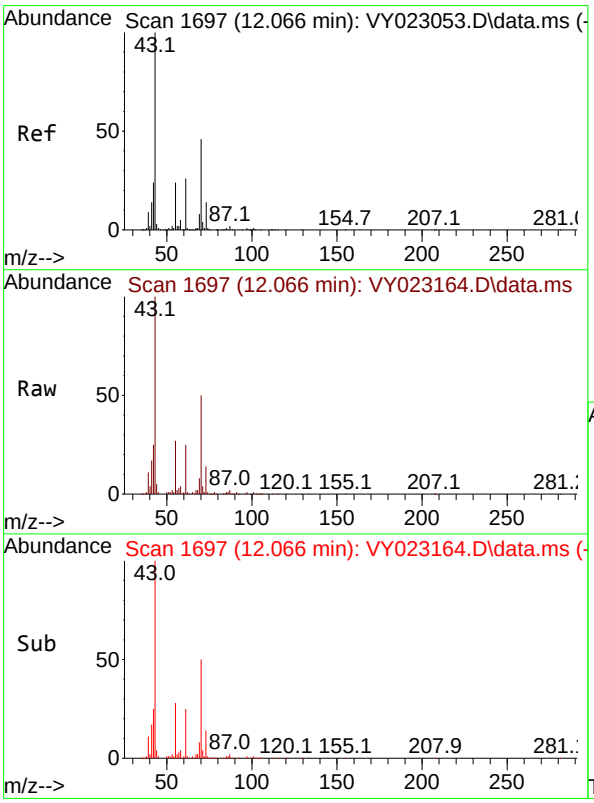
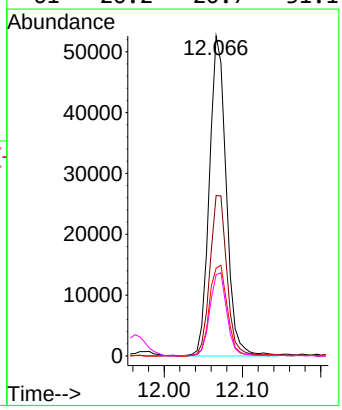
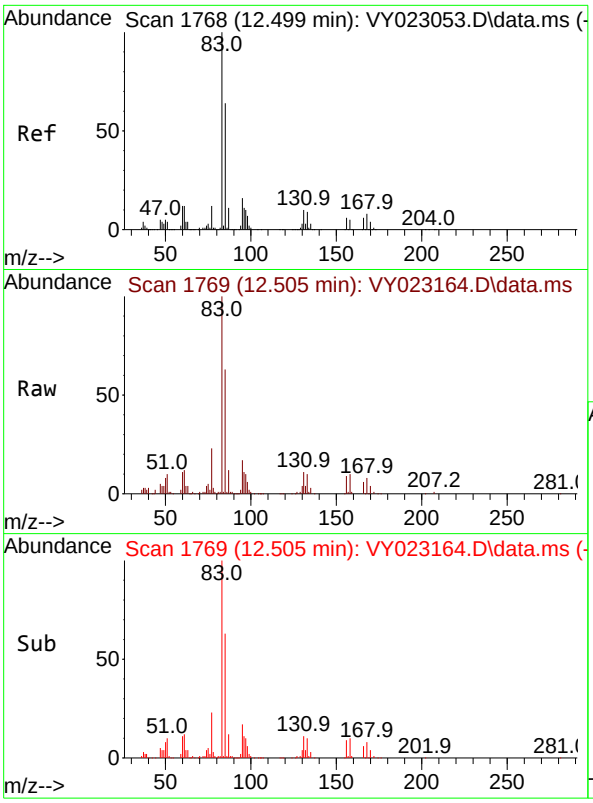


#74
N-amyl acetate
Concen: 16.246 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 78737

Ion	Ratio	Lower	Upper
43	100		
70	50.3	37.5	56.3
55	29.9	20.7	31.1
61	26.2	20.7	31.1

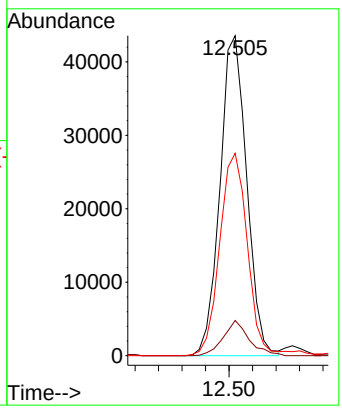




#75
1,1,2,2-Tetrachloroethane
Concen: 17.648 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 83 Resp: 6886

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	66.2	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
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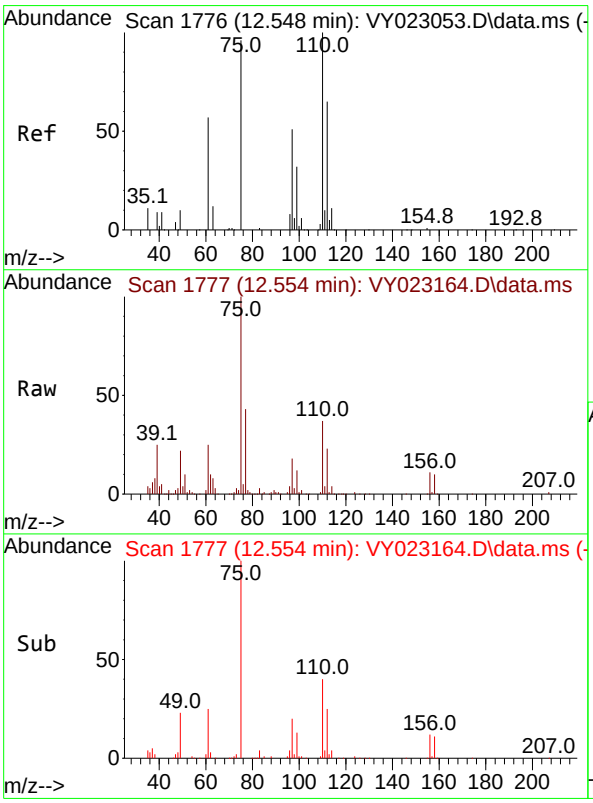
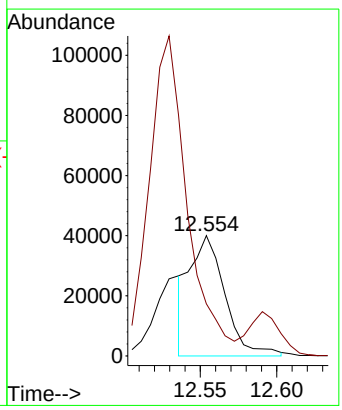
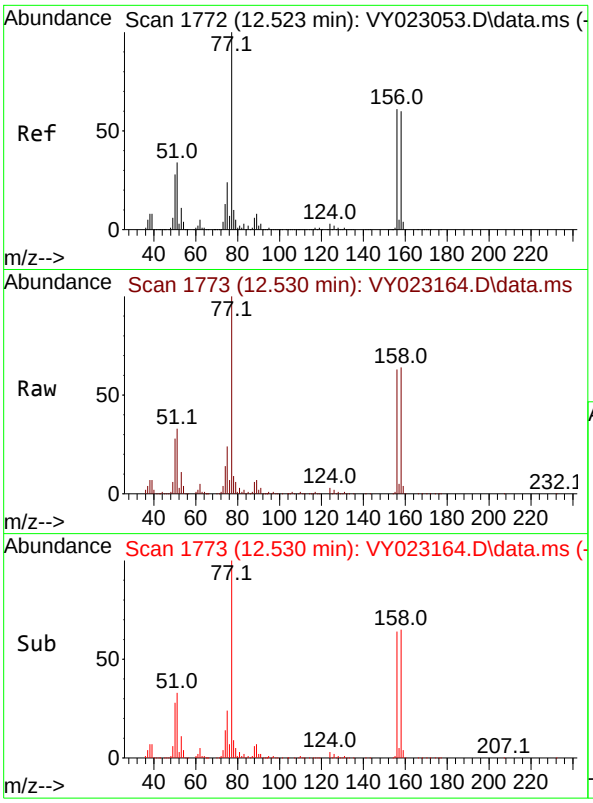


#76
1,2,3-Trichloropropane
Concen: 20.515 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 64111

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.387 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:156 Resp: 10570

Ion	Ratio	Lower	Upper
156	100		
77	174.8	88.1	264.4
158	99.8	48.0	144.0

Instrument :
MSVOA_Y
ClientSampleId :
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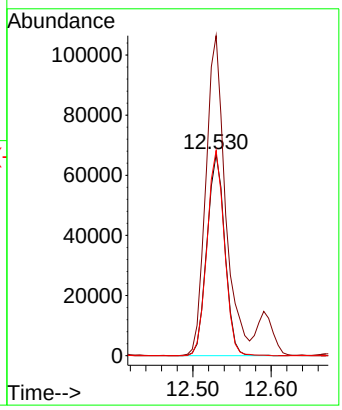
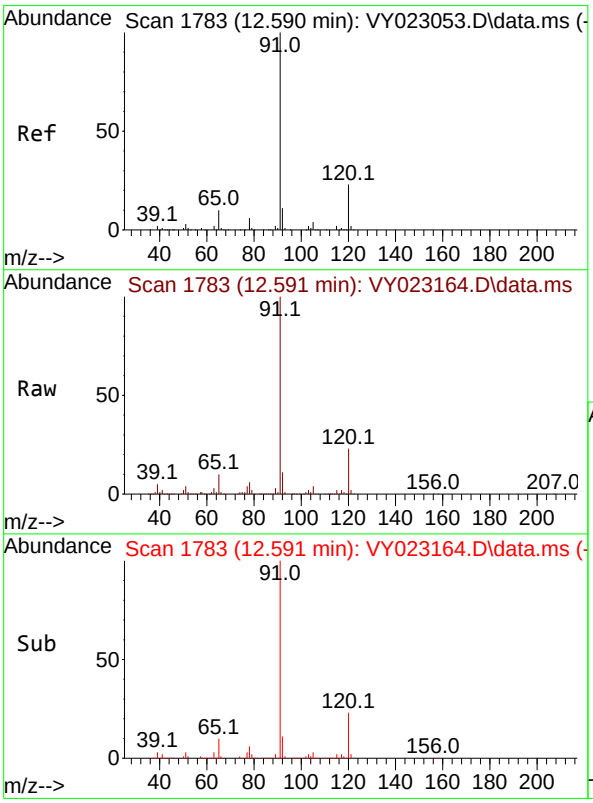
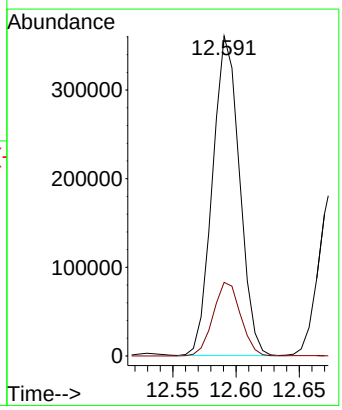


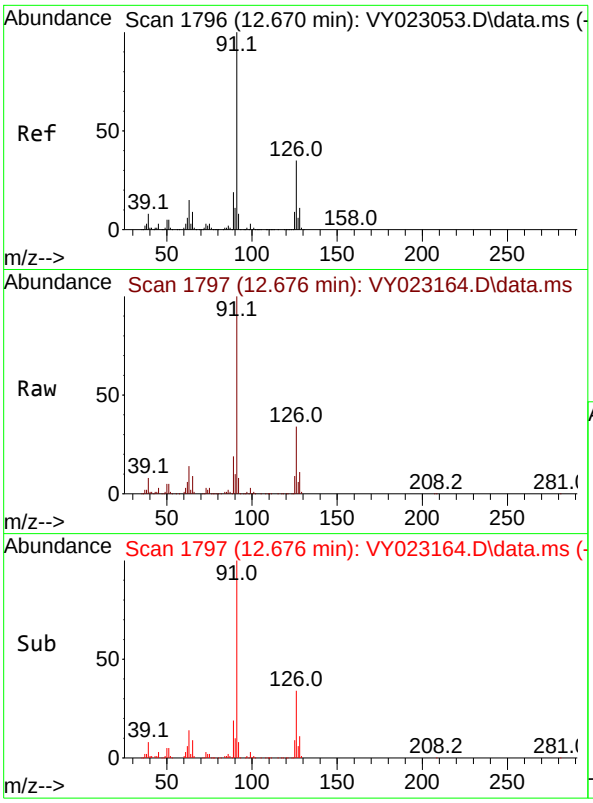


#78
n-propylbenzene
Concen: 19.675 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 535326

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5

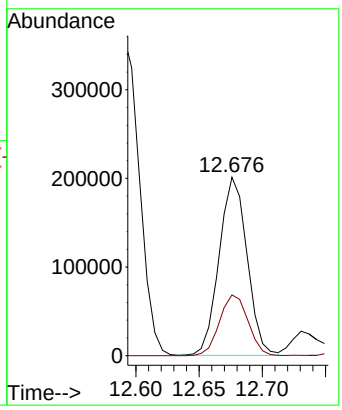




#79
2-Chlorotoluene
Concen: 19.846 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 30939

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

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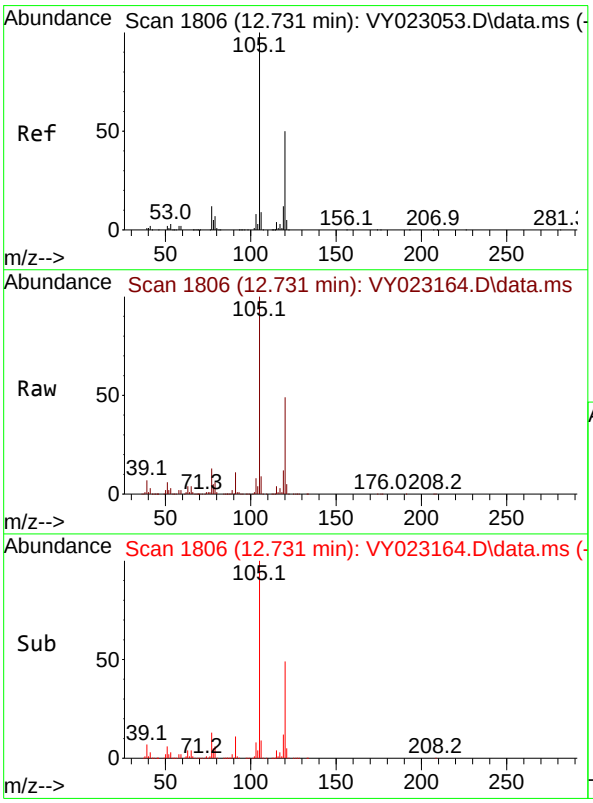
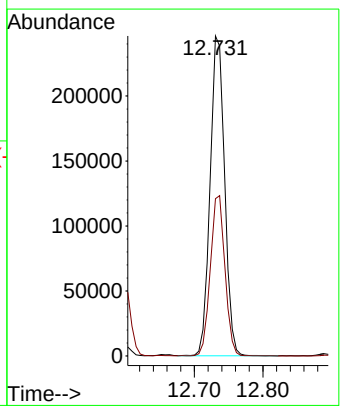
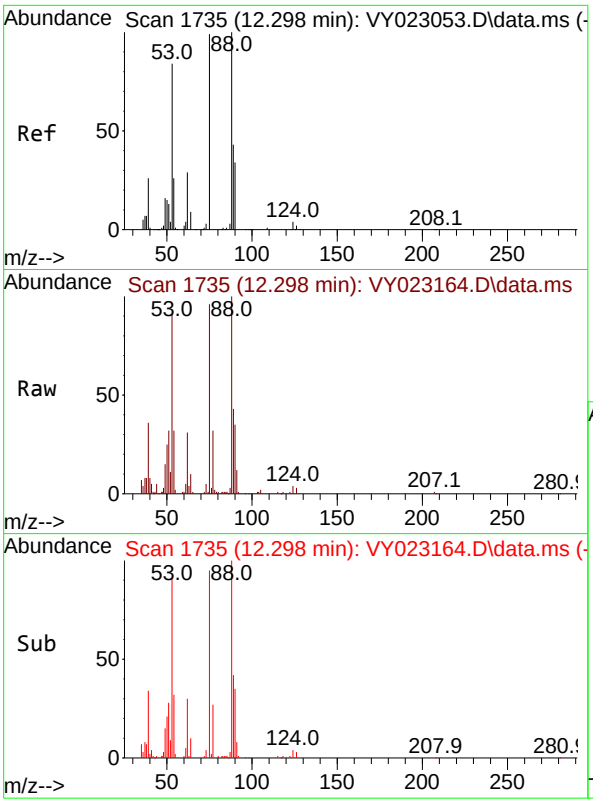


#80
1,3,5-Trimethylbenzene
Concen: 19.690 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 363677

Ion	Ratio	Lower	Upper
105	100		
120	50.5	24.8	74.4

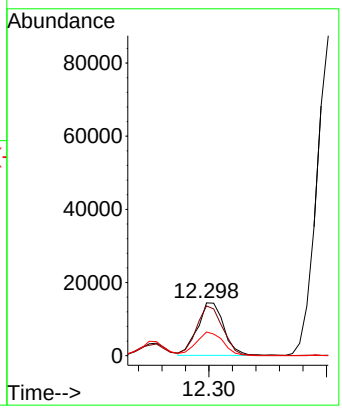




#81
trans-1,4-Dichloro-2-butene
Concen: 17.179 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 2217

Ion	Ratio	Lower	Upper
75	100		
53	95.4	70.8	106.2
89	46.4	38.1	57.1



Instrument :
MSVOA_Y
ClientSampleId :
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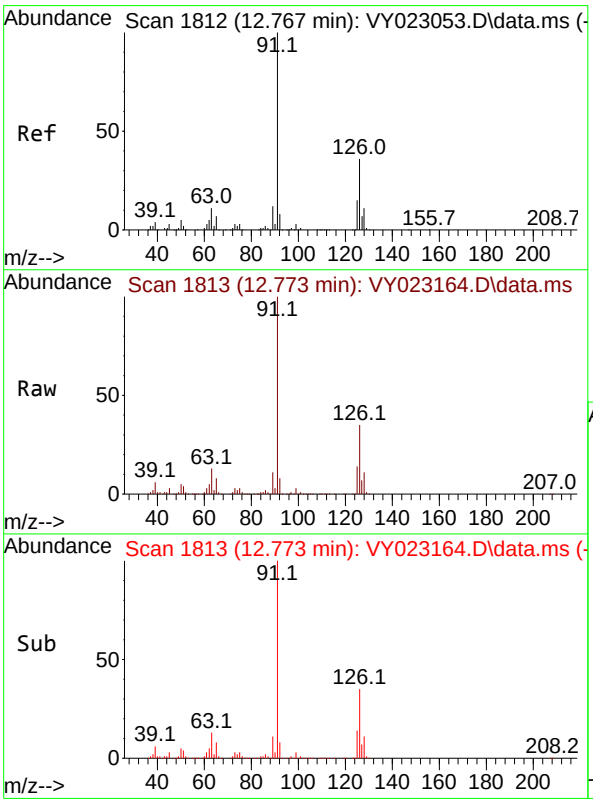
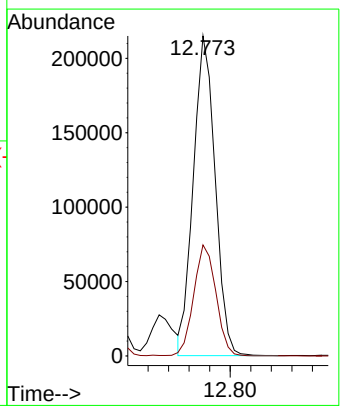
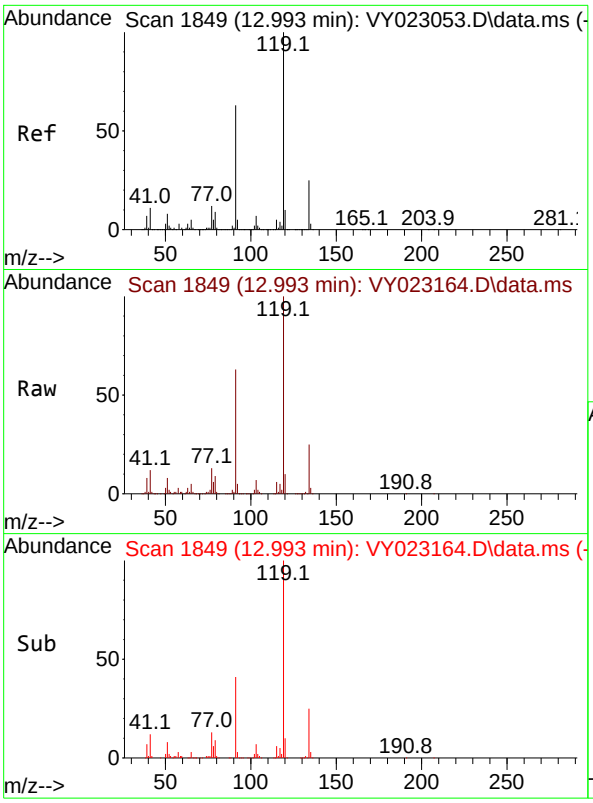


#82
4-Chlorotoluene
Concen: 19.613 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 317186

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0





#83
tert-Butylbenzene
Concen: 19.539 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:119 Resp: 32594

Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	94.8
134	25.4	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
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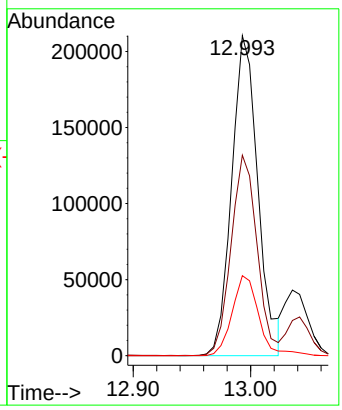
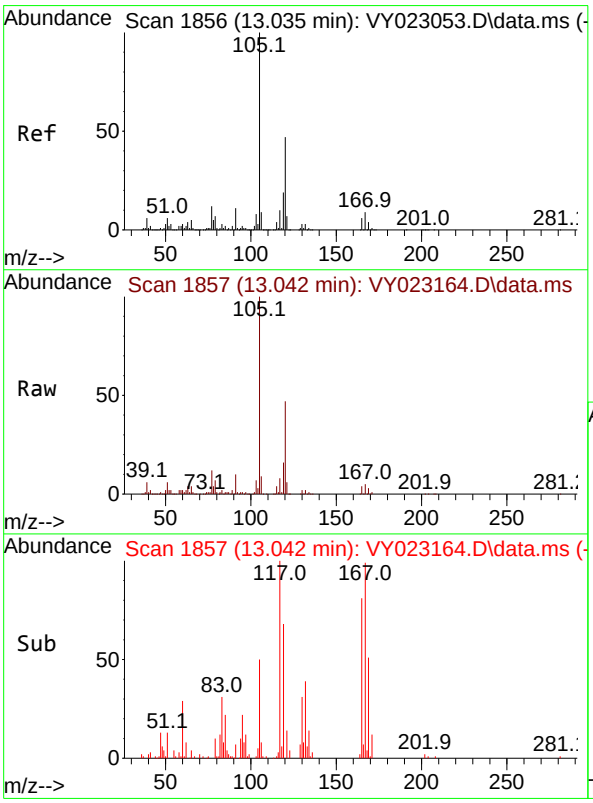
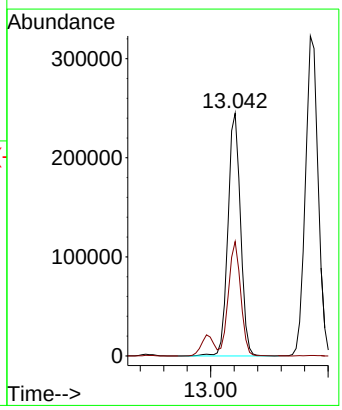


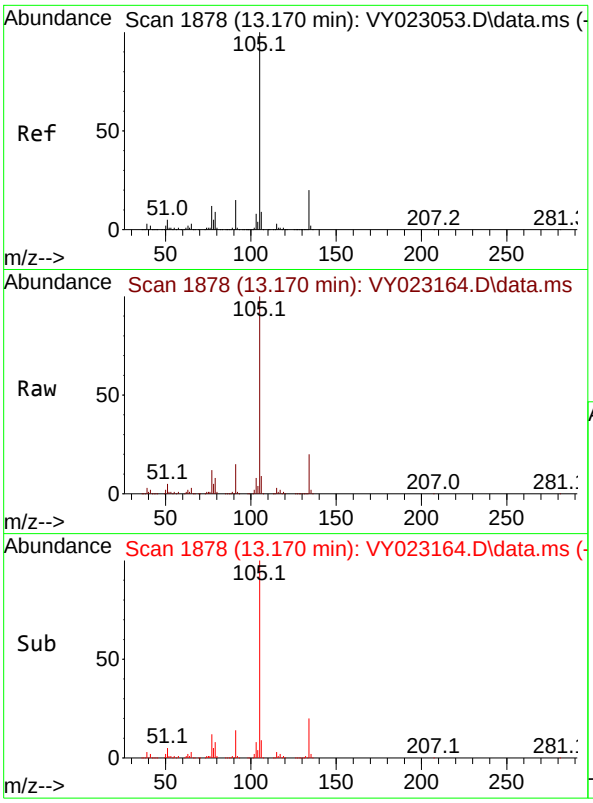


#84
1,2,4-Trimethylbenzene
Concen: 19.822 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 364461

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0

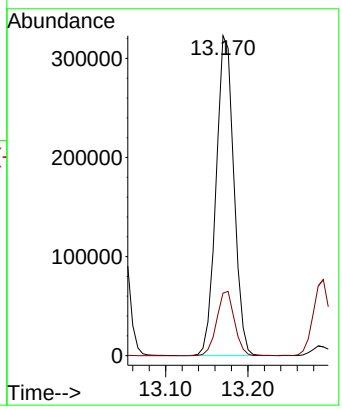




#85
sec-Butylbenzene
Concen: 19.767 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 48439

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
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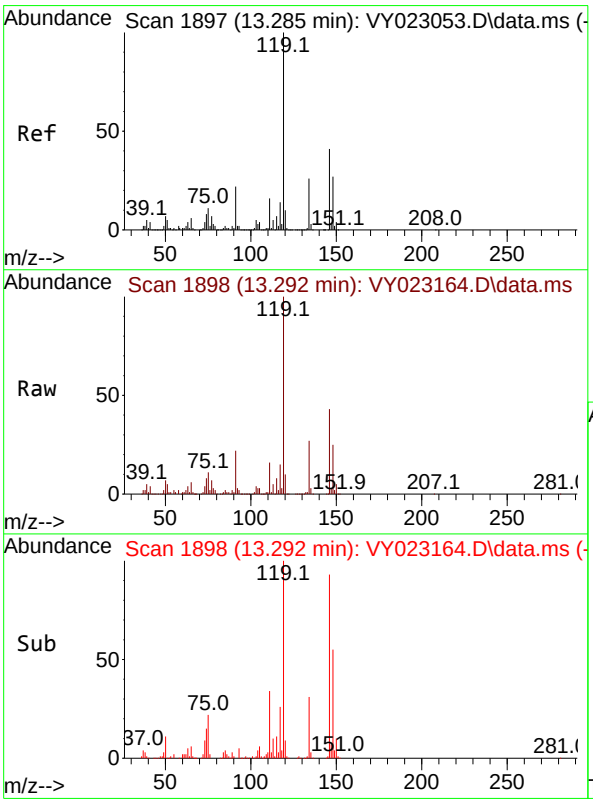
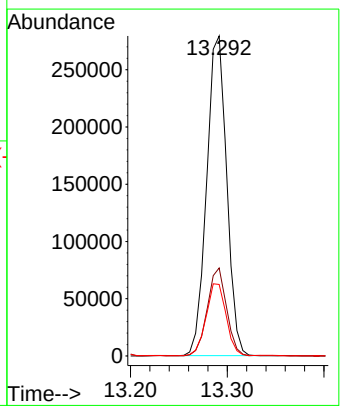
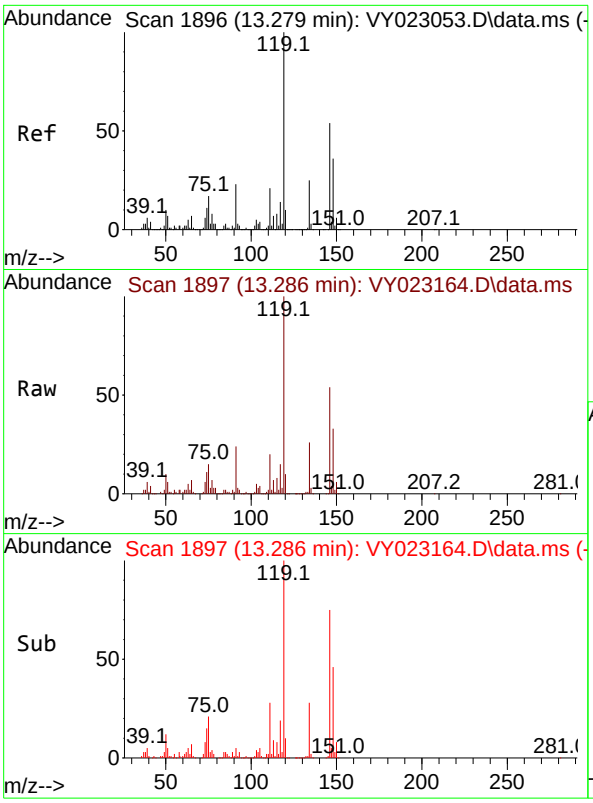


#86
p-Isopropyltoluene
Concen: 19.801 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:119 Resp: 402765

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.6
91	22.5	11.3	33.8

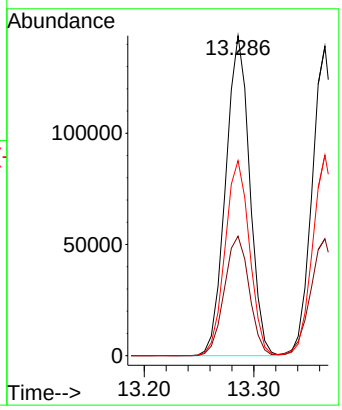




#87
1,3-Dichlorobenzene
Concen: 20.357 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:146 Resp: 21887

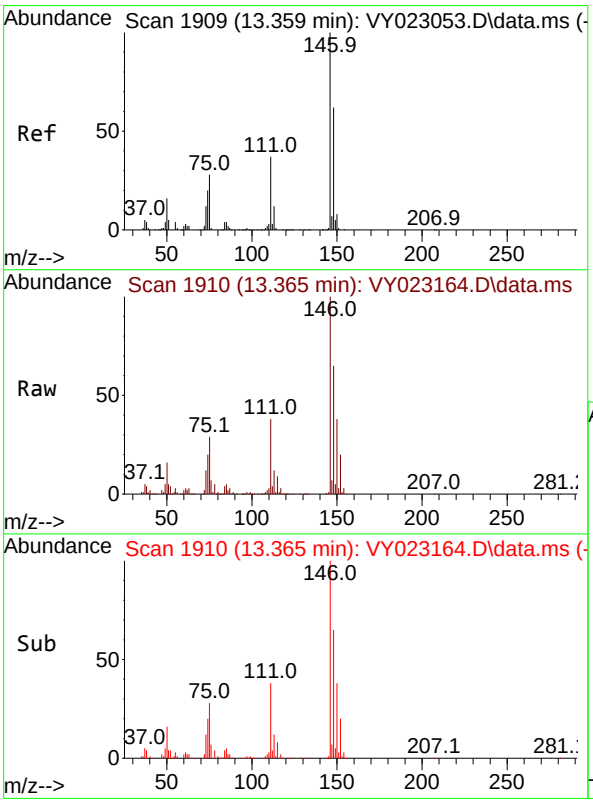
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	62.2	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

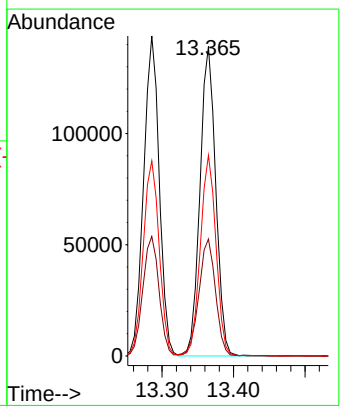
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

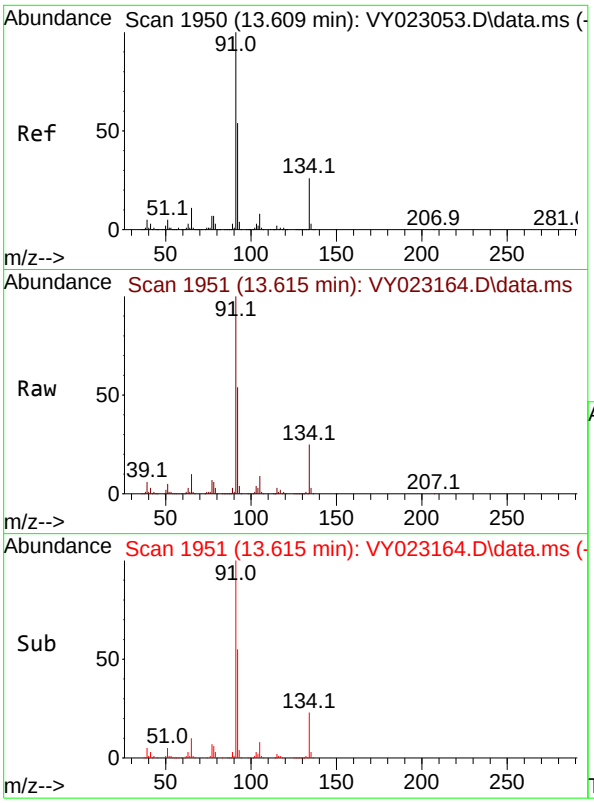


#88
1,4-Dichlorobenzene
Concen: 19.976 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:146 Resp: 213060

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.1
148	64.5	31.6	94.7

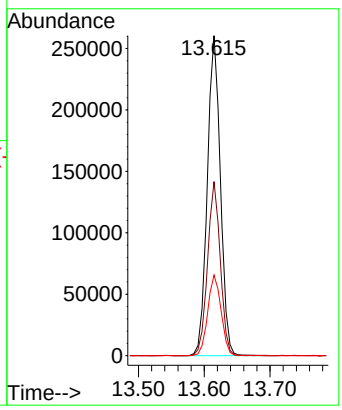




#89
n-Butylbenzene
Concen: 19.275 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 36009

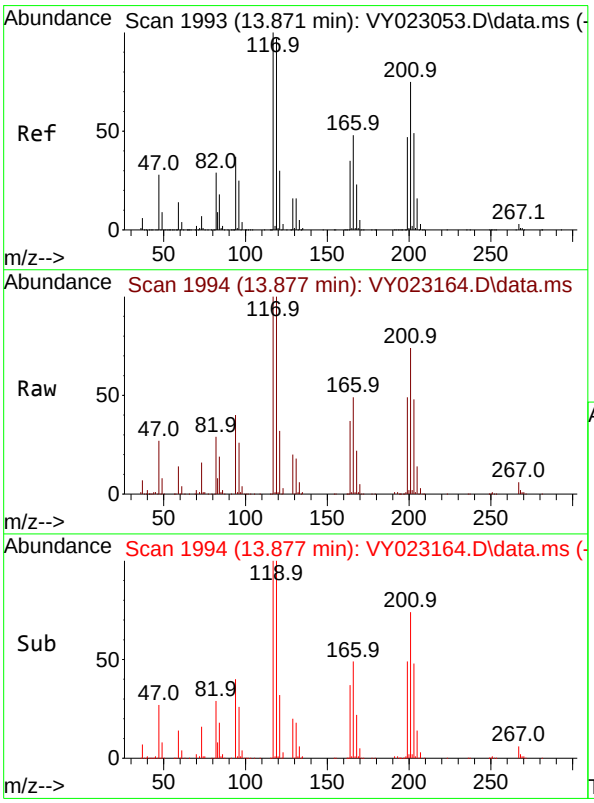
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	25.7	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

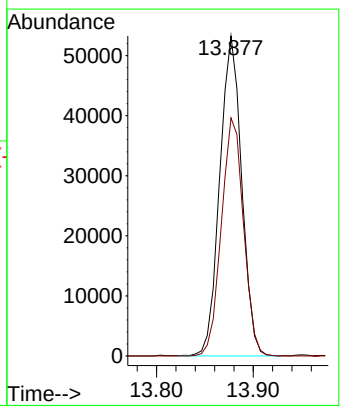
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

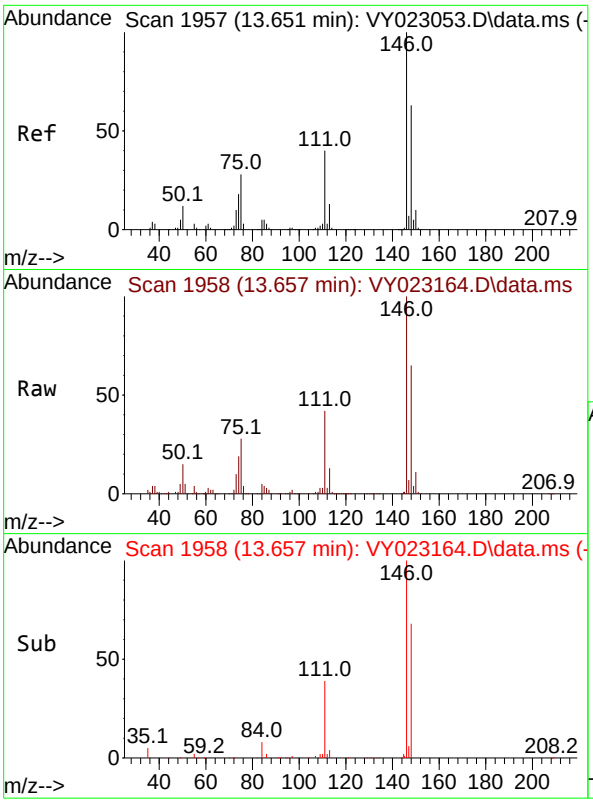


#90
Hexachloroethane
Concen: 20.102 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:117 Resp: 83702

Ion	Ratio	Lower	Upper
117	100		
201	75.1	38.4	115.1

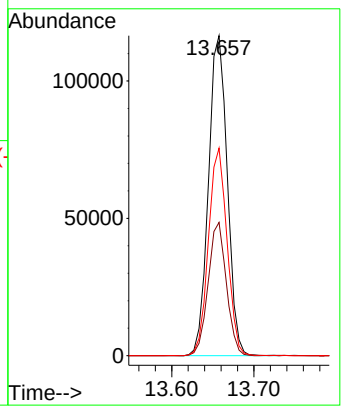




#91
1,2-Dichlorobenzene
Concen: 19.661 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:146 Resp: 18539

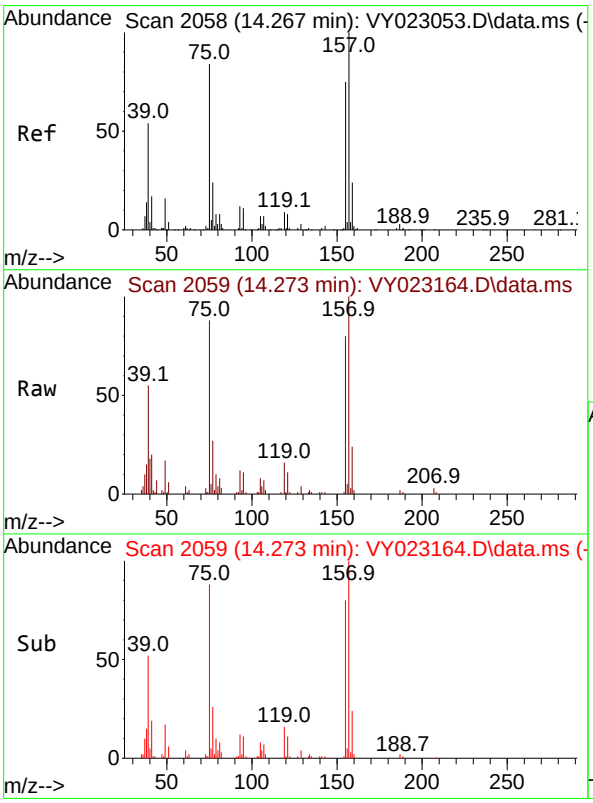
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	64.3	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

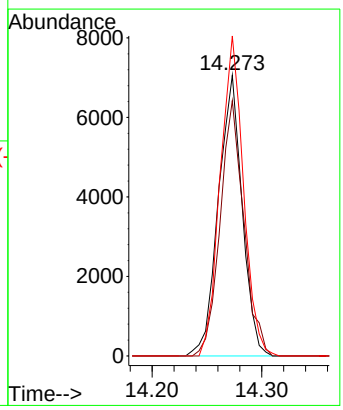
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

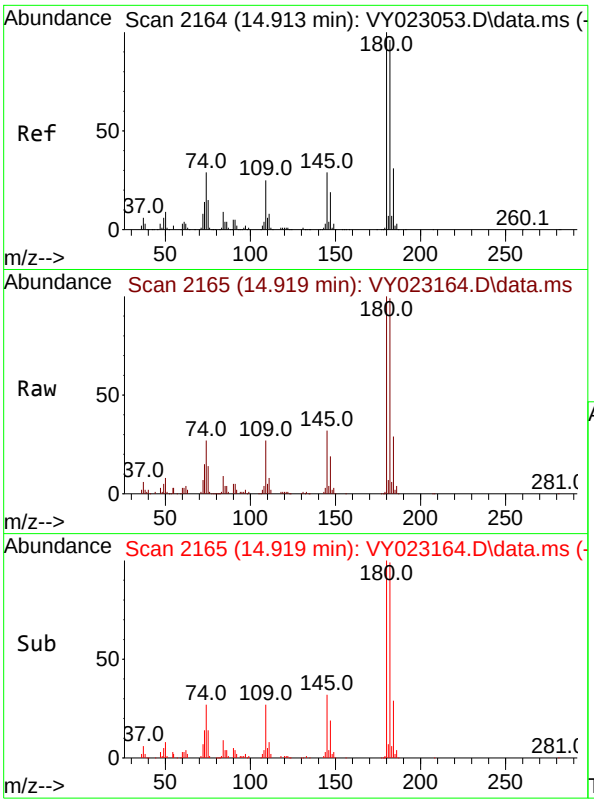


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.468 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 10613

Ion	Ratio	Lower	Upper
75	100		
155	90.5	43.9	131.6
157	111.3	57.2	171.6

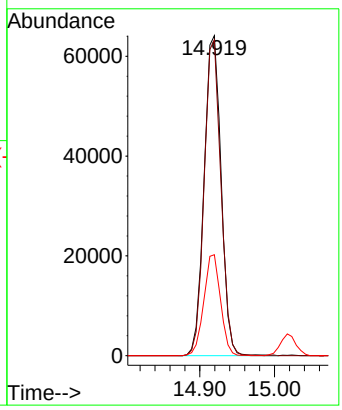




#93
1,2,4-Trichlorobenzene
Concen: 18.167 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:180 Resp: 10130

Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.8	140.4
145	31.1	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
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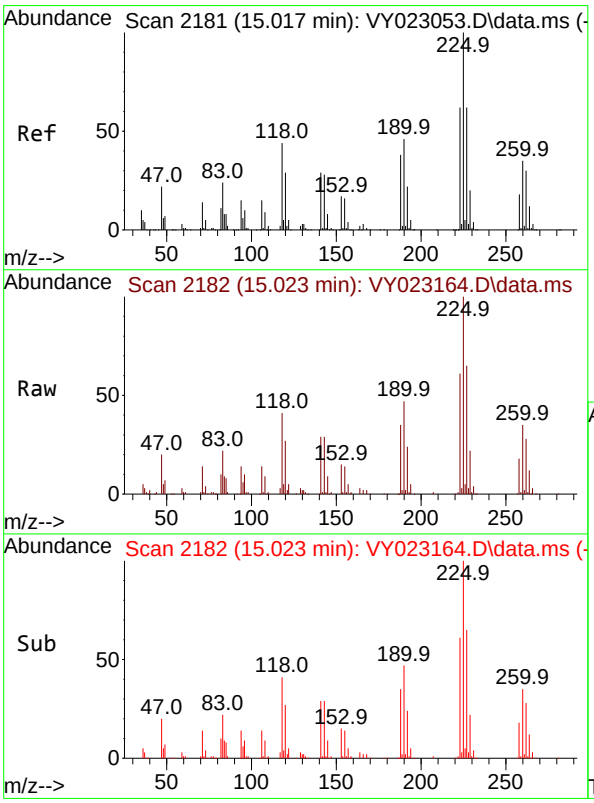
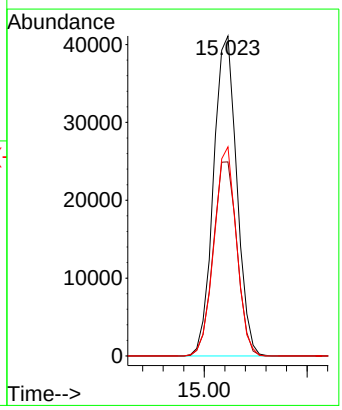
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

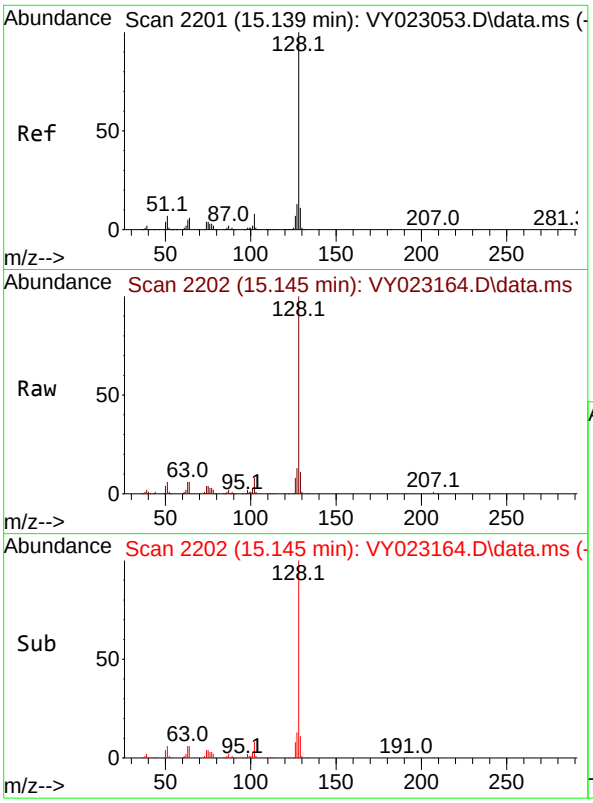


#94
Hexachlorobutadiene
Concen: 19.692 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:225 Resp: 64526

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.8
227	62.9	31.5	94.5

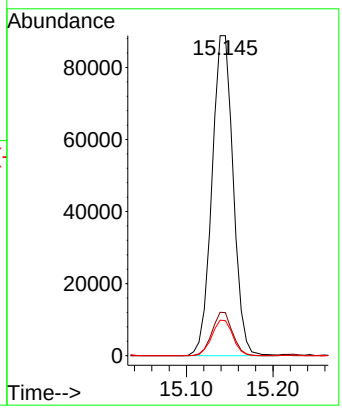




#95
Naphthalene
Concen: 15.895 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:128 Resp: 15114

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
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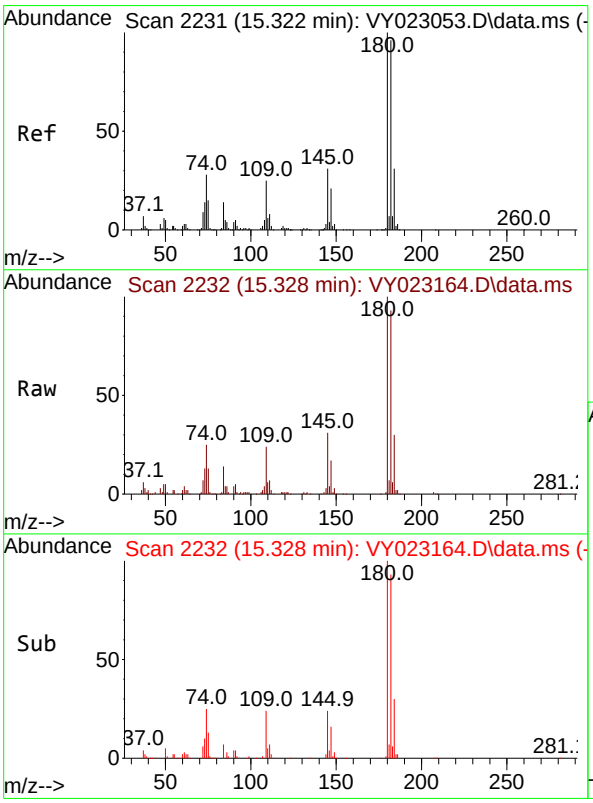
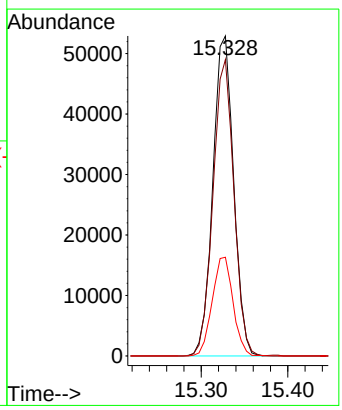
Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.337 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:180 Resp: 88110

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.7
145	31.0	15.9	47.7



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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0819SBSD01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBSD01	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:	Date Analyzed	Prep Batch ID
VY023140.D	1	08/19/25 10:42	VY081925

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	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.022		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.093		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.021		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.093		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	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.098		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.021		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.021		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	0.021		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.092		0.0036	0.013	0.025	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0819SBSD01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBSD01	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:	Date Analyzed	Prep Batch ID
VY023140.D	1	08/19/25 10:42	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.020		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.096		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	0.024		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.041		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.062		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.021		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.021		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.021		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.021		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.021		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.021		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.021		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.021		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.0016	0.0025	0.0050	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0819SBSD01	SDG No.:	Q2879
Lab Sample ID:	VY0819SBSD01	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:	Date Analyzed	Prep Batch ID
VY023140.D	1	08/19/25 10:42	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.021		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.021		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.020		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.019		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.1		71 - 136		92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	48.4		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	518000	7.707				
540-36-3	1,4-Difluorobenzene	819000	8.616				
3114-55-4	Chlorobenzene-d5	713000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	351000	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\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	517578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	818799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	351390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227323	46.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.160%			
35) Dibromofluoromethane	7.634	113	233145	47.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.180%			
50) Toluene-d8	10.103	98	927285	48.447	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.401	95	288067	46.799	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	89236	21.122	ug/l	98
3) Chloromethane	2.068	50	132388	19.347	ug/l	99
4) Vinyl Chloride	2.202	62	171181	20.238	ug/l	99
5) Bromomethane	2.592	94	135998	21.529	ug/l	98
6) Chloroethane	2.732	64	114583	20.376	ug/l	98
7) Trichlorofluoromethane	3.056	101	211631	20.576	ug/l	98
8) Diethyl Ether	3.452	74	52093	19.144	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	106851	21.058	ug/l	98
10) Methyl Iodide	4.007	142	111681	20.397	ug/l	100
11) Tert butyl alcohol	4.860	59	30321	89.708	ug/l	98
12) 1,1-Dichloroethene	3.787	96	103385	20.728	ug/l	97
13) Acrolein	3.647	56	35966	72.659	ug/l	99
14) Allyl chloride	4.378	41	136871	18.650	ug/l	97
15) Acrylonitrile	5.061	53	102624	92.765	ug/l	99
16) Acetone	3.866	43	111533	104.365	ug/l	94
17) Carbon Disulfide	4.104	76	322174	19.811	ug/l	100
18) Methyl Acetate	4.385	43	55681	17.509	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	252503	19.537	ug/l	96
20) Methylene Chloride	4.610	84	117942	19.585	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	113075	20.174	ug/l	95
22) Diisopropyl ether	6.018	45	306183	19.199	ug/l	94
23) Vinyl Acetate	5.957	43	822478	93.270	ug/l	98
24) 1,1-Dichloroethane	5.915	63	195367	20.037	ug/l	98
25) 2-Butanone	6.896	43	142067	97.745	ug/l	97
26) 2,2-Dichloropropane	6.884	77	174925	20.792	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133374	20.583	ug/l	95
28) Bromochloromethane	7.244	49	75405	19.493	ug/l	96
29) Tetrahydrofuran	7.262	42	83508	92.691	ug/l	99
30) Chloroform	7.421	83	205577	20.444	ug/l	97
31) Cyclohexane	7.701	56	177913	19.364	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	183801	20.600	ug/l	99
36) 1,1-Dichloropropene	7.835	75	148907	20.451	ug/l	99
37) Ethyl Acetate	6.982	43	57496	18.798	ug/l	98
38) Carbon Tetrachloride	7.817	117	166508	21.055	ug/l	97
39) Methylcyclohexane	9.109	83	193301	20.160	ug/l	98
40) Benzene	8.079	78	458105	20.413	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	32033m	18.147	ug/l		
42) 1,2-Dichloroethane	8.158	62	117549	20.140	ug/l		100
43) Isopropyl Acetate	8.195	43	110864	17.933	ug/l	#	82
44) Trichloroethene	8.865	130	123853	21.356	ug/l		99
45) 1,2-Dichloropropane	9.140	63	104138	20.167	ug/l		98
46) Dibromomethane	9.231	93	60685	20.476	ug/l		100
47) Bromodichloromethane	9.426	83	154294	20.232	ug/l		100
48) Methyl methacrylate	9.219	41	53715	18.158	ug/l		96
49) 1,4-Dioxane	9.231	88	12643	363.816	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	293540	92.052	ug/l		100
52) Toluene	10.170	92	297560	20.876	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	137297	19.881	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	162867	19.944	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	80753	20.362	ug/l		96
56) Ethyl methacrylate	10.438	69	96390	18.994	ug/l		97
57) 1,3-Dichloropropane	10.719	76	134934	20.062	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	226996	94.830	ug/l		97
59) 2-Hexanone	10.761	43	207790	95.694	ug/l		99
60) Dibromochloromethane	10.908	129	106952	20.438	ug/l		99
61) 1,2-Dibromoethane	11.018	107	74607	20.016	ug/l		99
64) Tetrachloroethene	10.646	164	150882	23.712	ug/l		99
65) Chlorobenzene	11.438	112	321766	20.934	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	107743	20.654	ug/l		98
67) Ethyl Benzene	11.517	91	536453	20.281	ug/l		98
68) m/p-Xylenes	11.627	106	426776	41.310	ug/l		99
69) o-Xylene	11.950	106	198012	20.464	ug/l		99
70) Styrene	11.969	104	328722	20.774	ug/l		99
71) Bromoform	12.127	173	59992	19.677	ug/l	#	98
73) Isopropylbenzene	12.255	105	515167	20.772	ug/l		100
74) N-amyl acetate	12.066	43	95001	18.063	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	76121	17.976	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	70701m	20.848	ug/l		
77) Bromobenzene	12.529	156	122602	20.721	ug/l		98
78) n-propylbenzene	12.590	91	624469	21.149	ug/l		100
79) 2-Chlorotoluene	12.676	91	347424	20.536	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	419347	20.922	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	26461	18.888	ug/l		99
82) 4-Chlorotoluene	12.773	91	359924	20.508	ug/l		98
83) tert-Butylbenzene	12.993	119	378882	20.929	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	418193	20.959	ug/l		99
85) sec-Butylbenzene	13.170	105	557566	20.967	ug/l		100
86) p-Isopropyltoluene	13.292	119	464251	21.032	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	242365	20.772	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	238568	20.612	ug/l		98
89) n-Butylbenzene	13.615	91	426296	21.027	ug/l		99
90) Hexachloroethane	13.877	117	96348	21.322	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	210993	20.619	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12876	19.529	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	122842	20.300	ug/l		98
94) Hexachlorobutadiene	15.023	225	73904	20.784	ug/l		99
95) Naphthalene	15.139	128	200198	19.402	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	104481	20.037	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

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\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
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Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VY0819SBSD01

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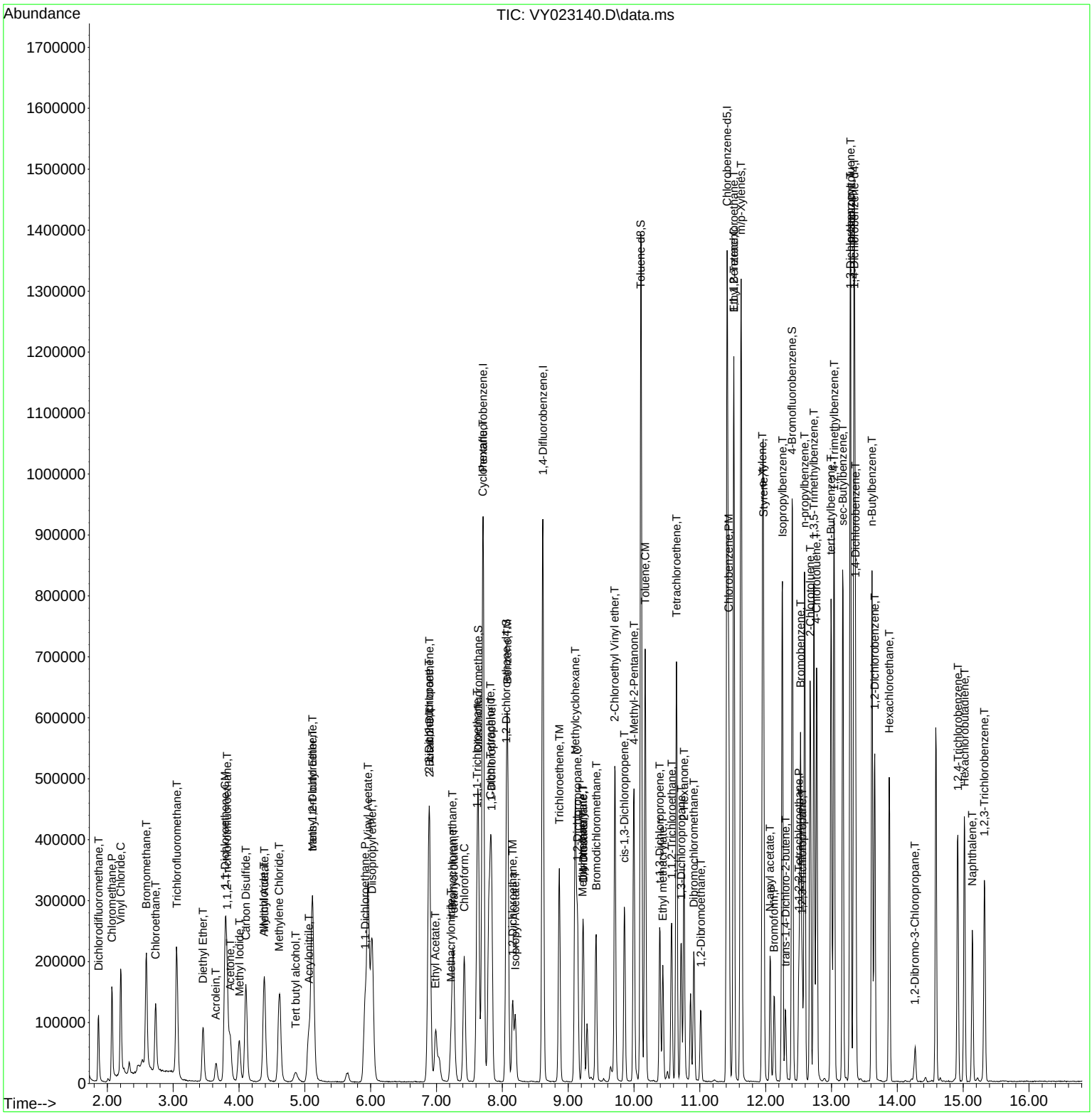
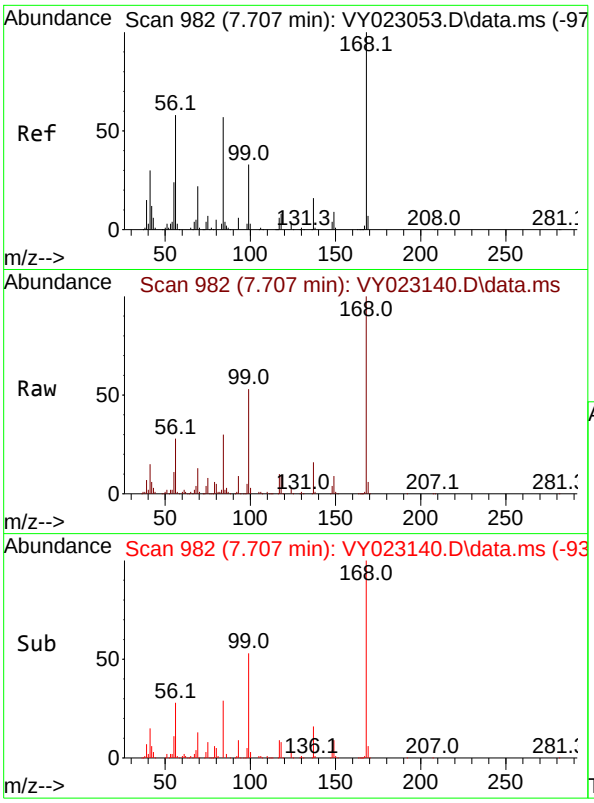
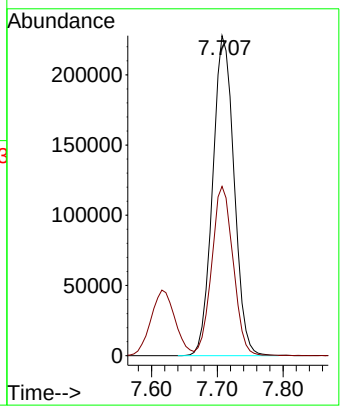




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:168 Resp: 51757

Ion	Ratio	Lower	Upper
168	100		
99	52.8	42.8	64.2



Instrument :
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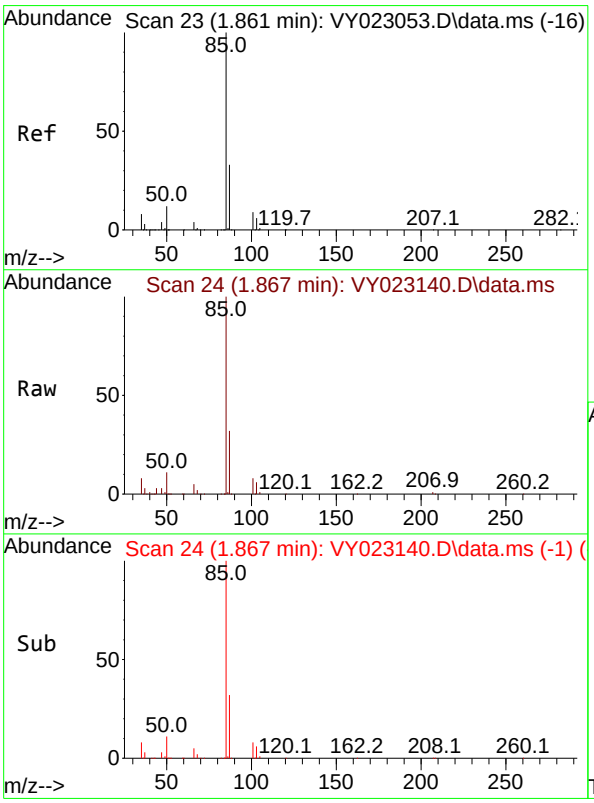
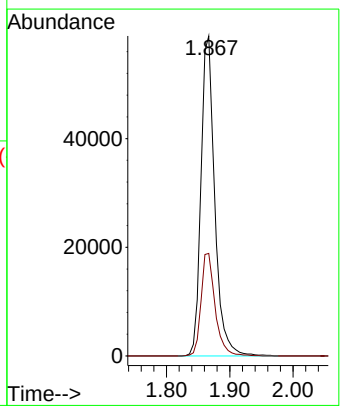
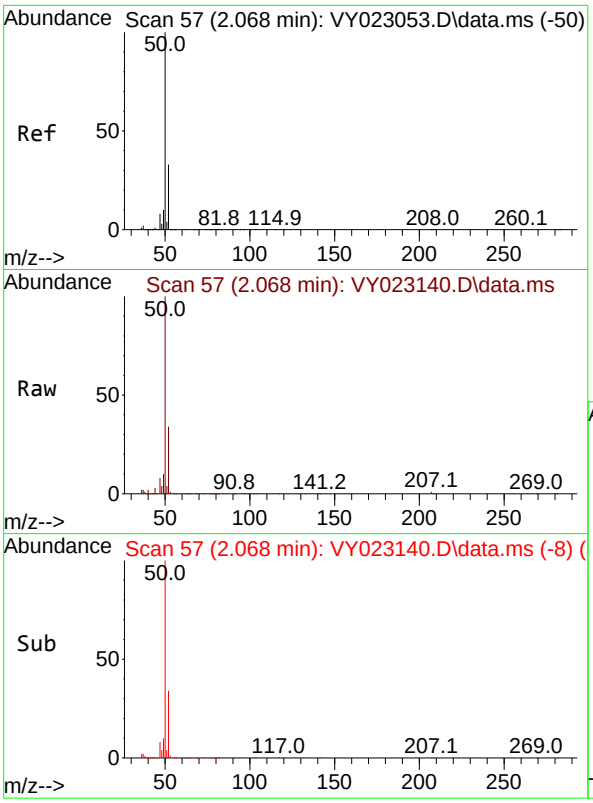


#2
Dichlorodifluoromethane
Concen: 21.122 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 85 Resp: 89236

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.6	49.8

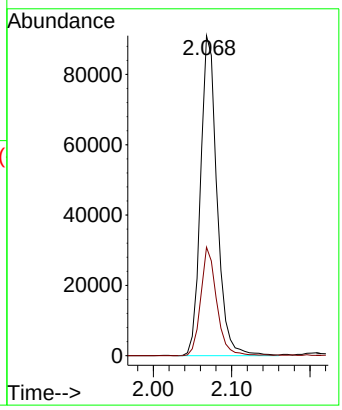




#3
Chloromethane
Concen: 19.347 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 50 Resp: 13238

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.7	40.1



Instrument :
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ClientSampleId :
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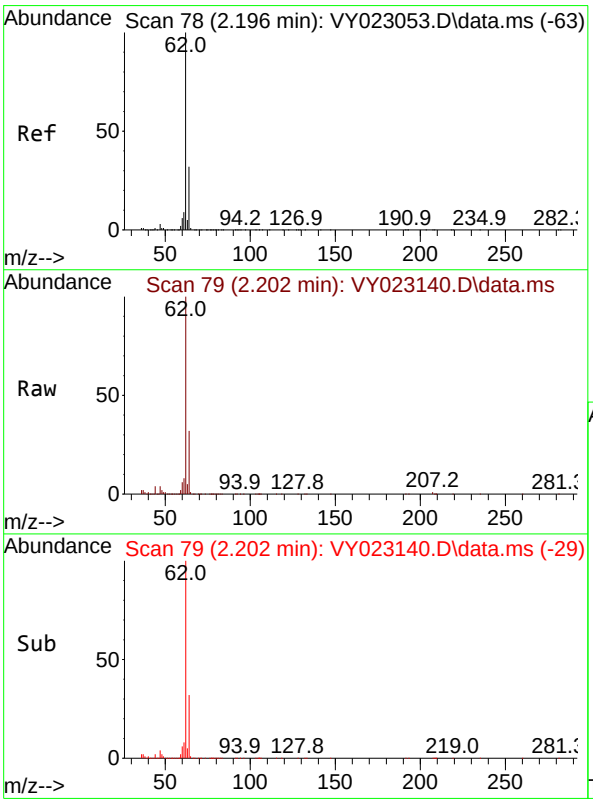
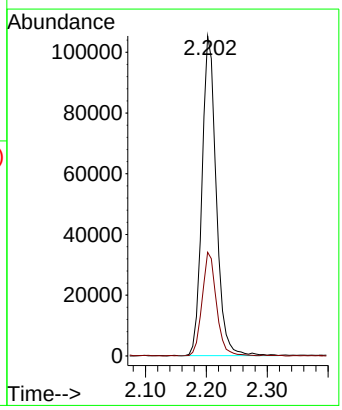
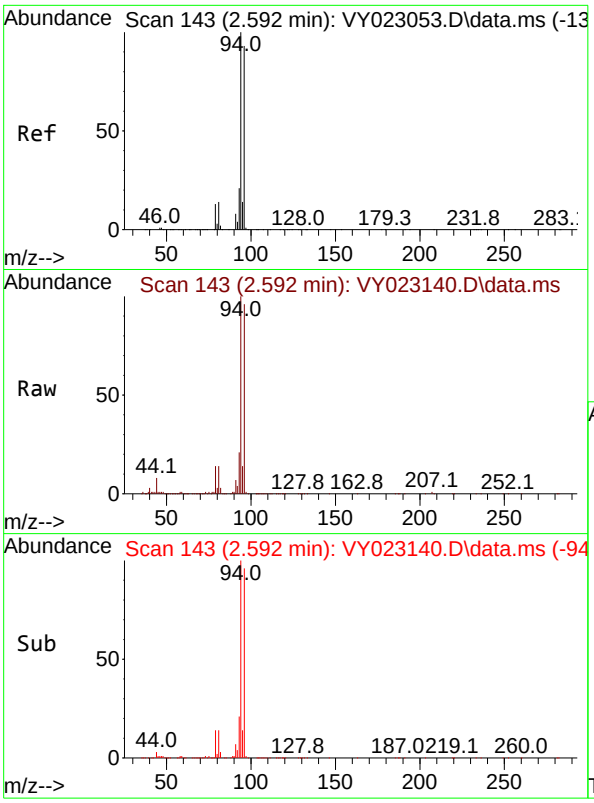


#4
Vinyl Chloride
Concen: 20.238 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 62 Resp: 171181

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.0

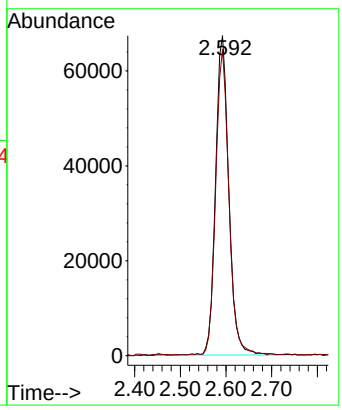




#5
Bromomethane
Concen: 21.529 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 94 Resp: 13599

Ion	Ratio	Lower	Upper
94	100		
96	95.6	74.6	112.0



Instrument :
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ClientSampleId :
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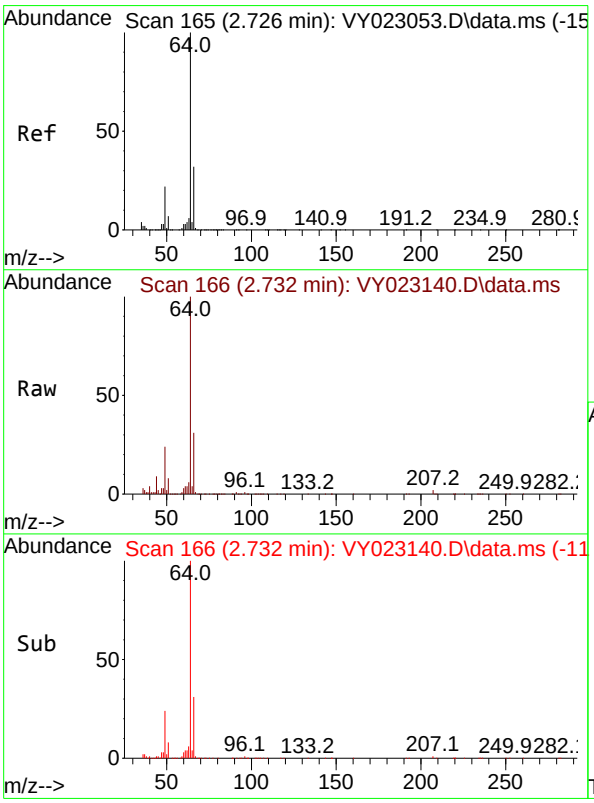
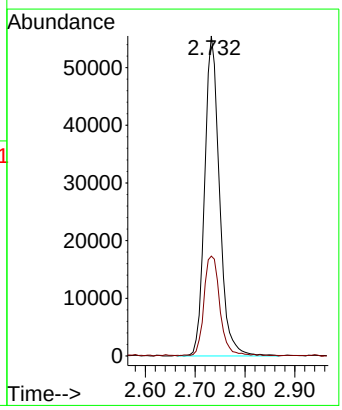
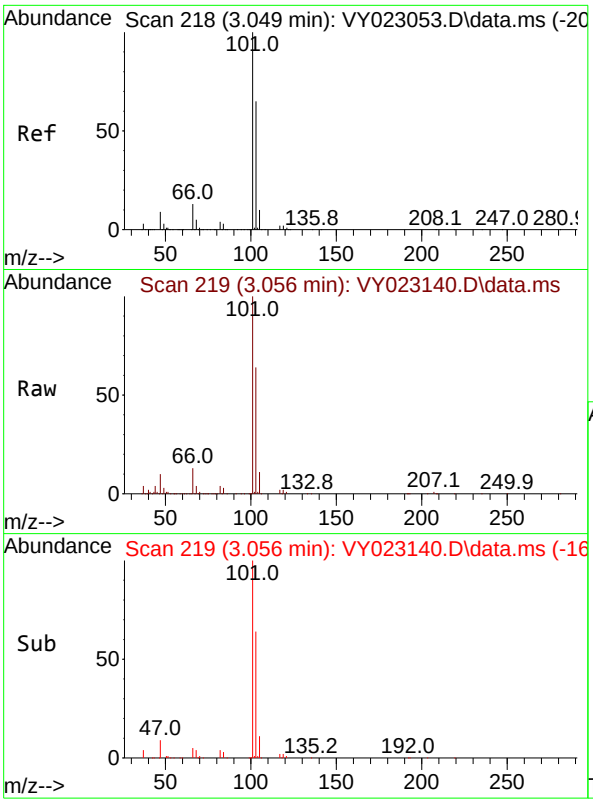


#6
Chloroethane
Concen: 20.376 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 64 Resp: 114583

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6

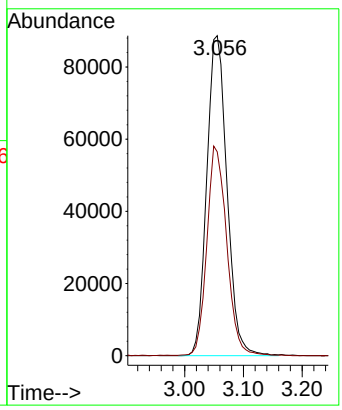




#7
Trichlorofluoromethane
Concen: 20.576 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:101 Resp: 21163

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.9	77.9



Instrument :
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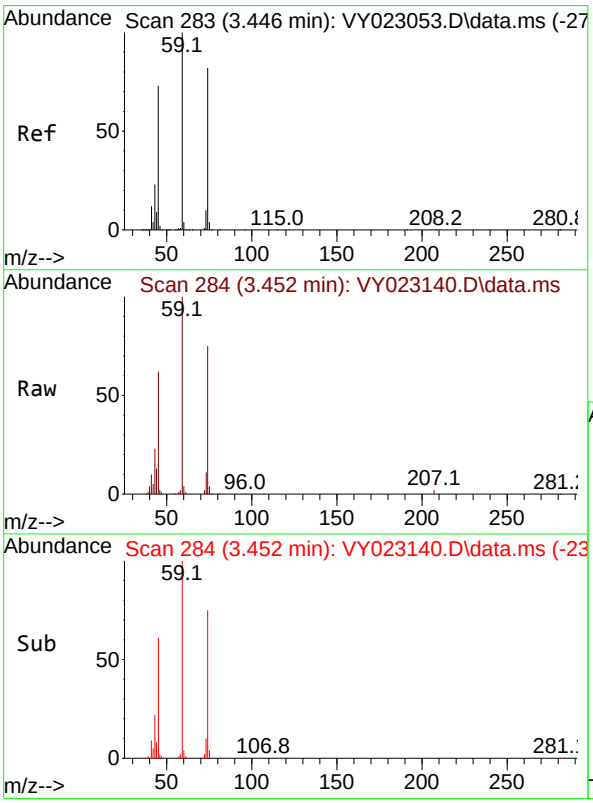
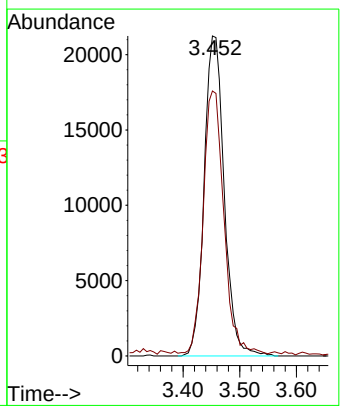
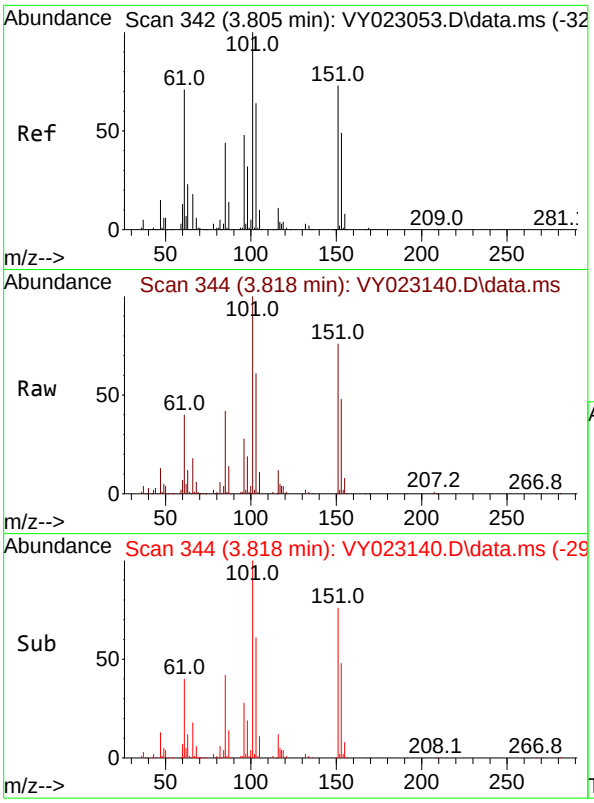


#8
Diethyl Ether
Concen: 19.144 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 74 Resp: 52093

Ion	Ratio	Lower	Upper
74	100		
45	84.0	44.4	133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.058 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:101 Resp: 10685

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.3	54.5
151	79.2	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
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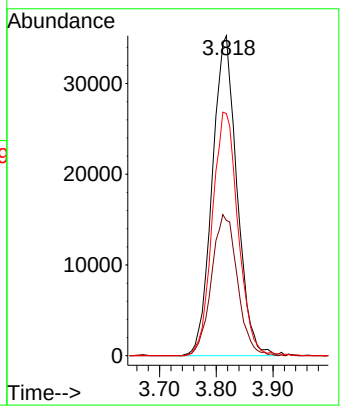
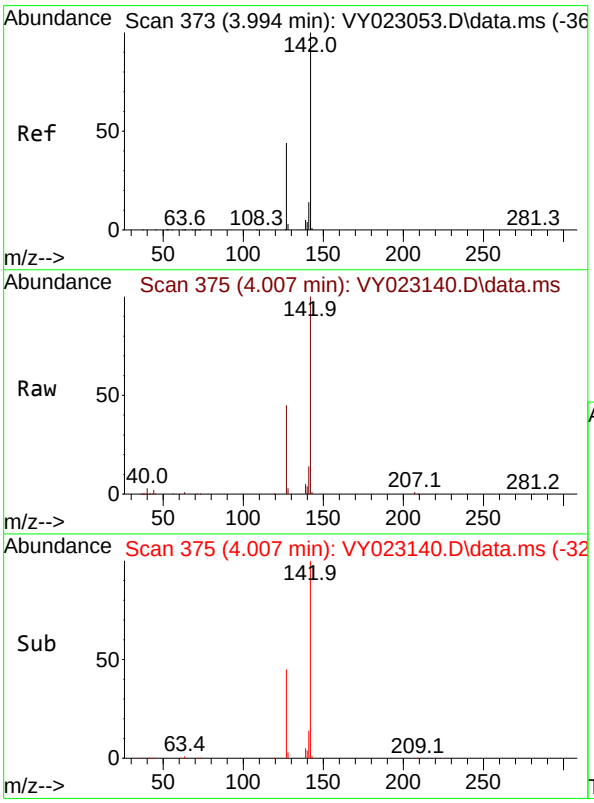
Supervised By :Mahesh Dadoda 08/20/2025

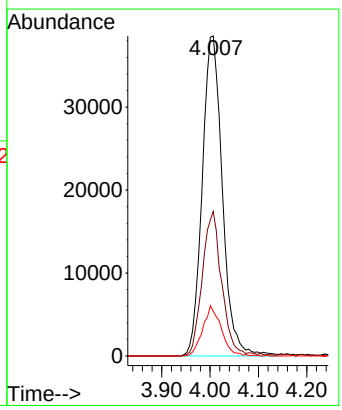


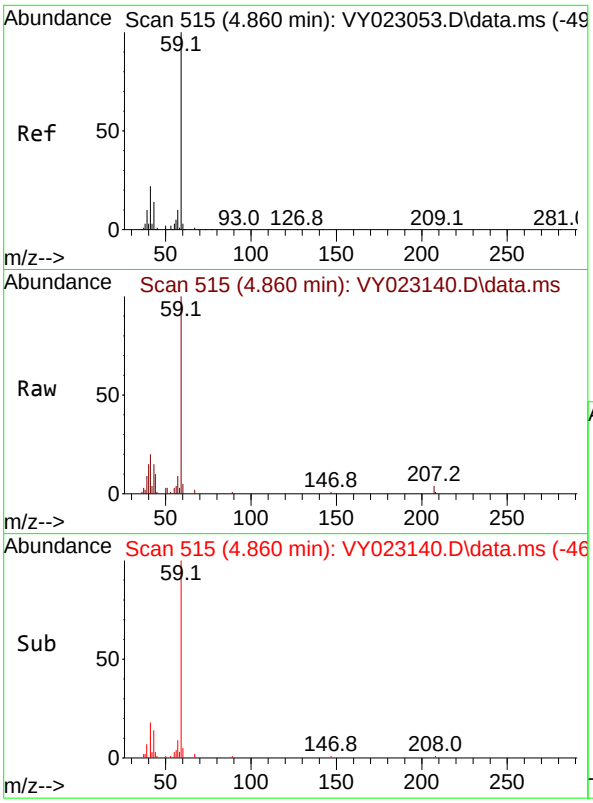


#10
Methyl Iodide
Concen: 20.397 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:142 Resp: 111681

Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.9	52.3
141	14.4	11.3	16.9

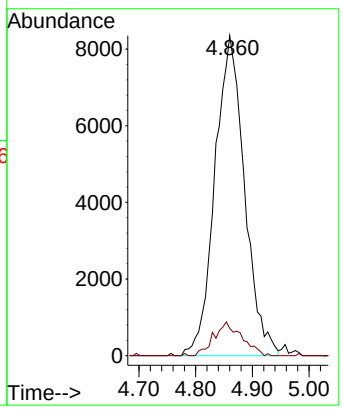




#11
Tert butyl alcohol
Concen: 89.708 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 59 Resp: 3032

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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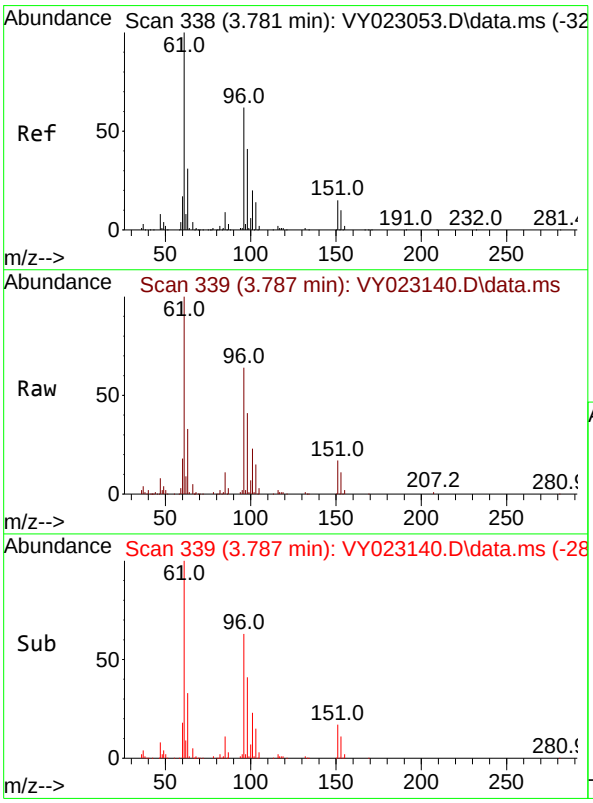
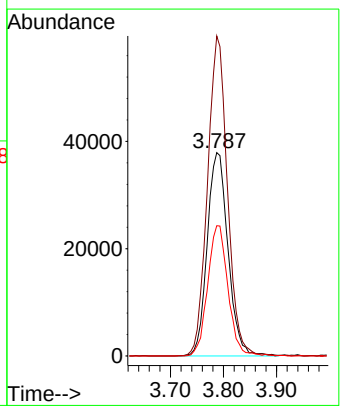
Supervised By :Mahesh Dadoda 08/20/2025

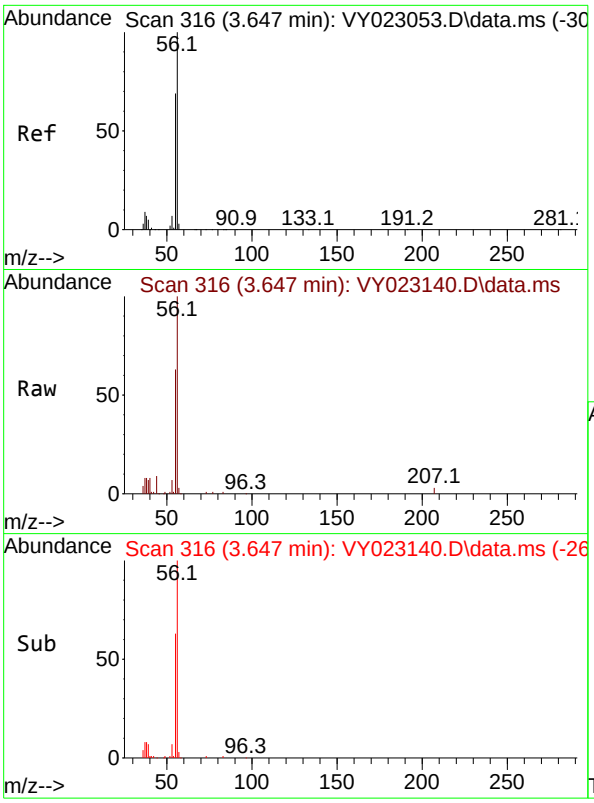


#12
1,1-Dichloroethene
Concen: 20.728 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 96 Resp: 103385

Ion	Ratio	Lower	Upper
96	100		
61	157.1	129.4	194.2
98	64.0	52.8	79.2

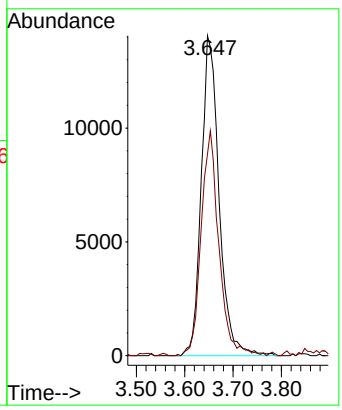




#13
Acrolein
Concen: 72.659 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 56 Resp: 3596

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.2	82.8



Instrument :
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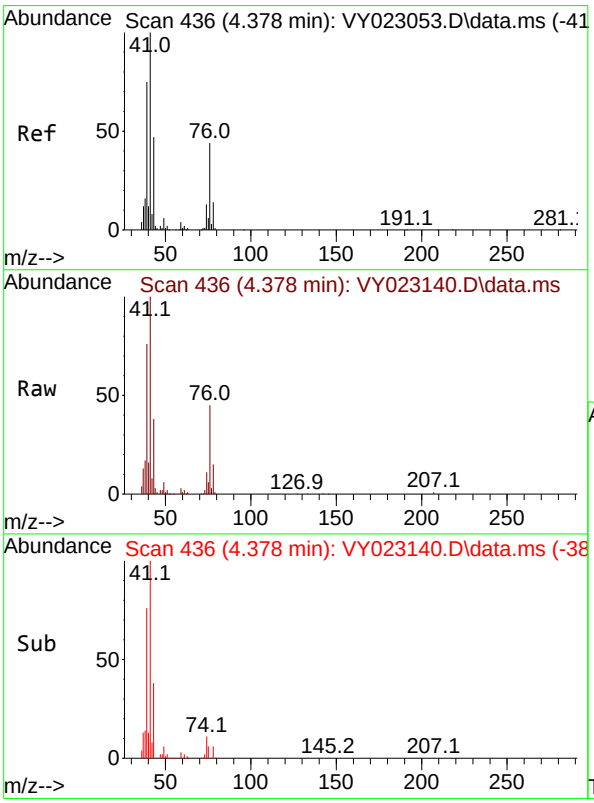
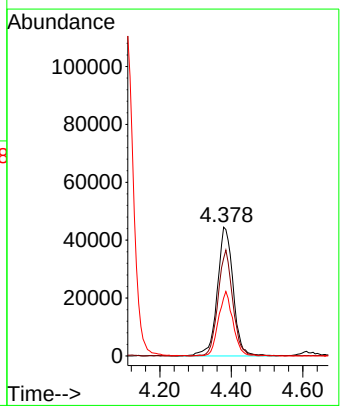
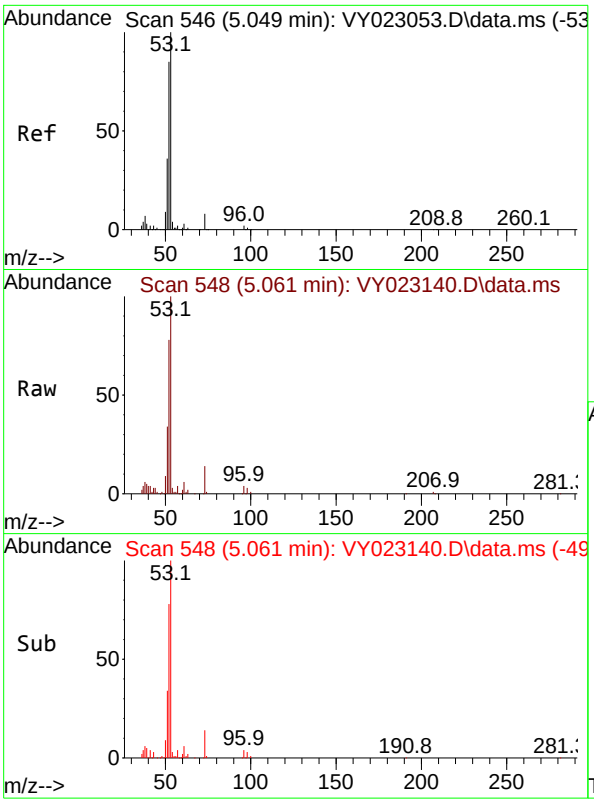


#14
Allyl chloride
Concen: 18.650 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 41 Resp: 136871

Ion	Ratio	Lower	Upper
41	100		
39	76.3	59.8	89.6
76	45.7	33.7	50.5

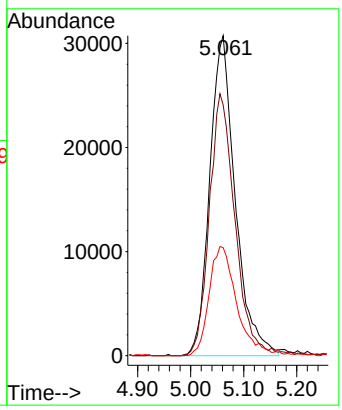




#15
Acrylonitrile
Concen: 92.765 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 53 Resp: 10262

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	36.8	29.5	44.3



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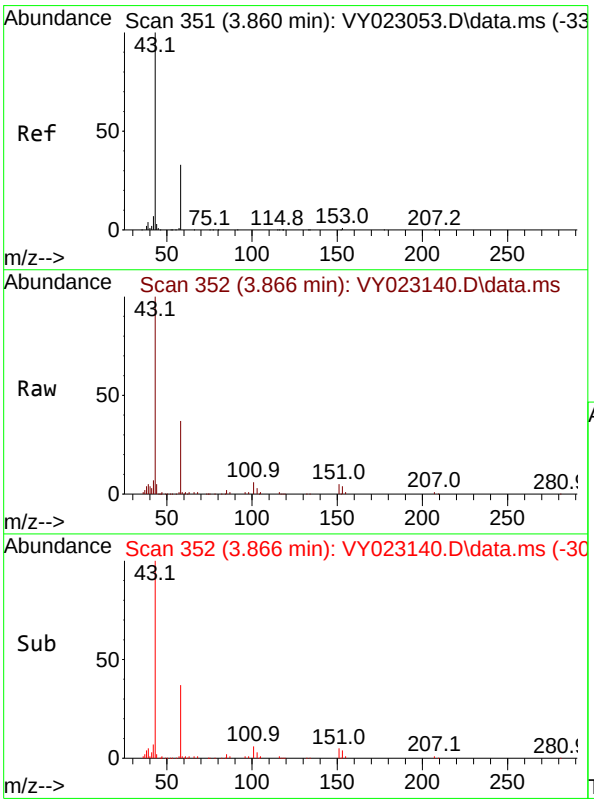
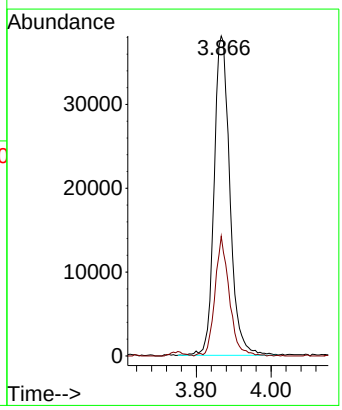
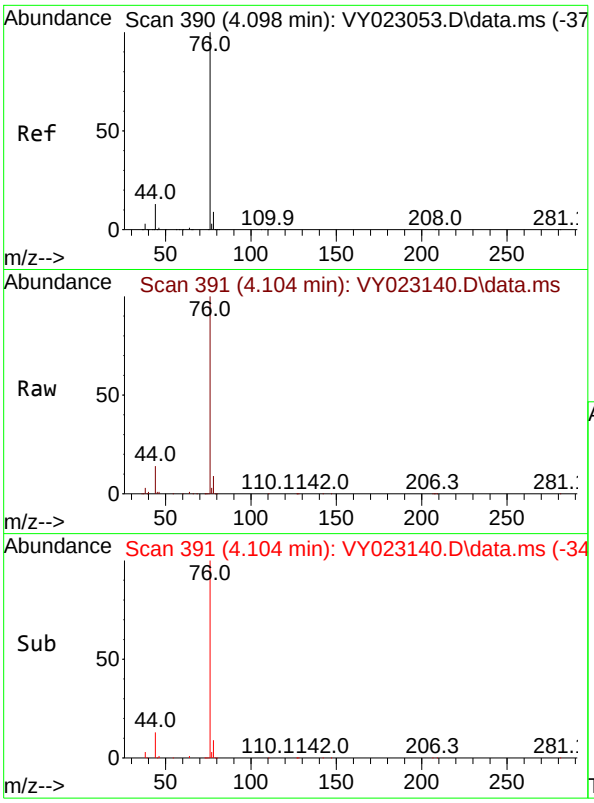


#16
Acetone
Concen: 104.365 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 111533

Ion	Ratio	Lower	Upper
43	100		
58	37.3	27.1	40.7

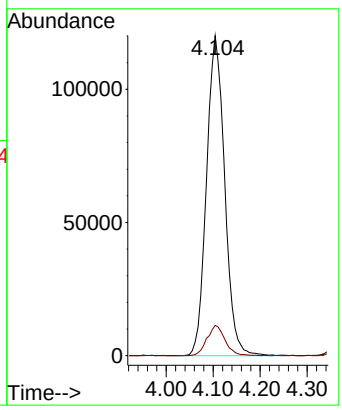




#17
Carbon Disulfide
Concen: 19.811 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 76 Resp: 32217

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2



Instrument :
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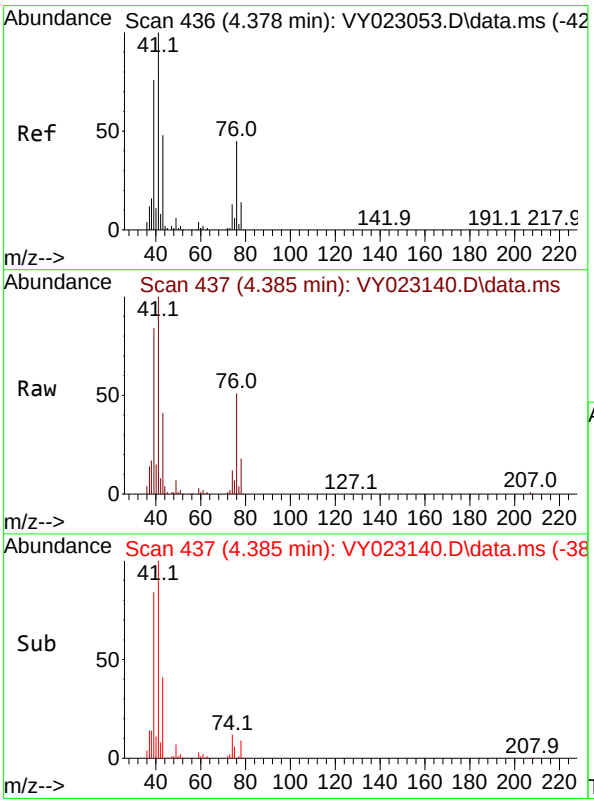
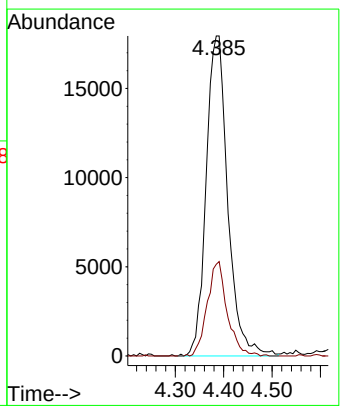
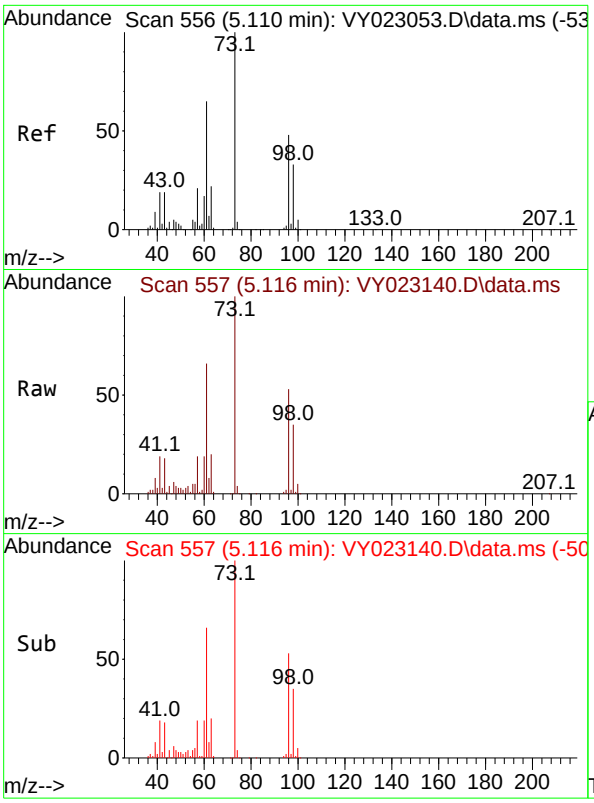


#18
Methyl Acetate
Concen: 17.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 55681

Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.2	31.8

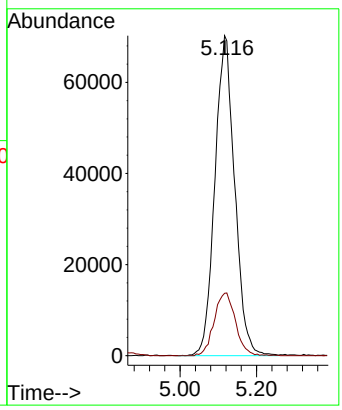




#19
Methyl tert-butyl Ether
Concen: 19.537 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 73 Resp: 25250

Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.1	25.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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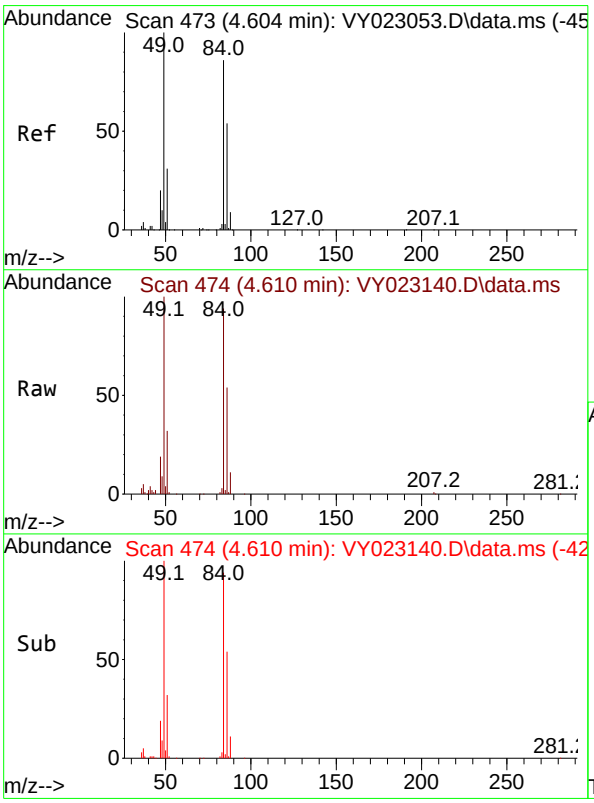
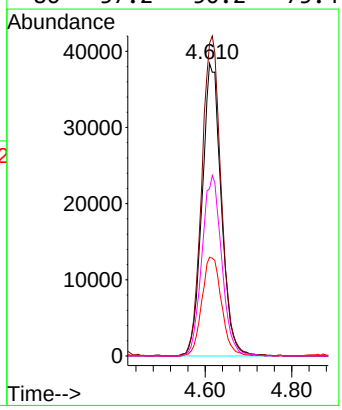
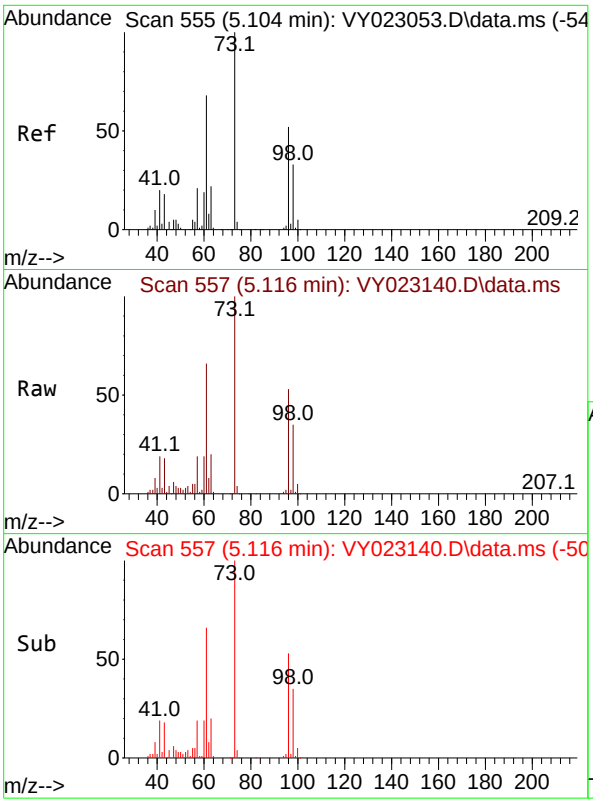


#20
Methylene Chloride
Concen: 19.585 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 84 Resp: 117942

Ion	Ratio	Lower	Upper
84	100		
49	106.8	93.0	139.6
51	33.7	29.0	43.4
86	57.2	50.2	75.4

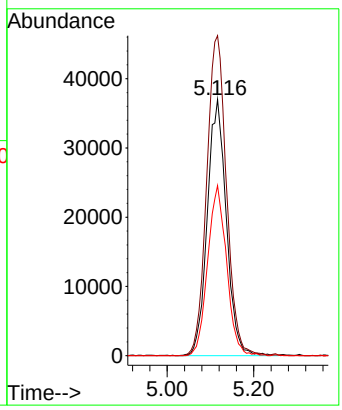




#21
trans-1,2-Dichloroethene
Concen: 20.174 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 96 Resp: 11307

Ion	Ratio	Lower	Upper
96	100		
61	124.9	104.8	157.2
98	66.4	50.1	75.1



Instrument :
MSVOA_Y
ClientSampleId :
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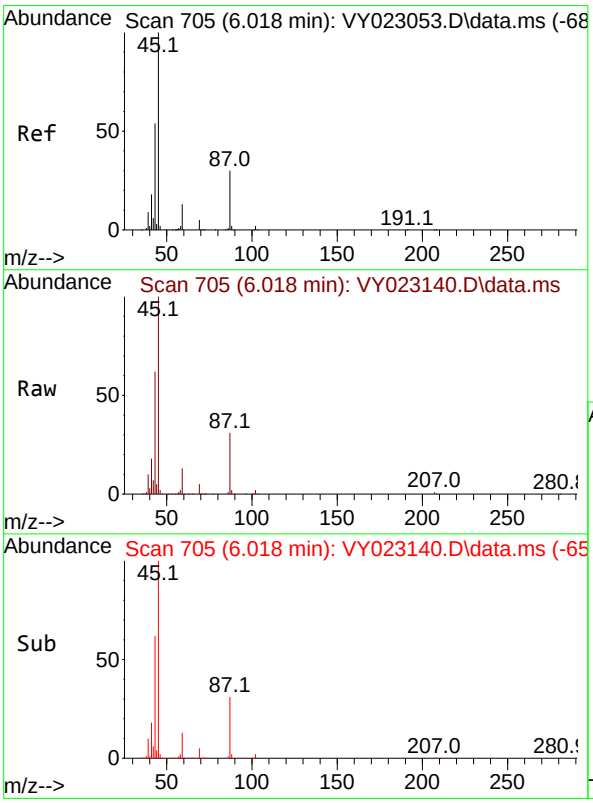
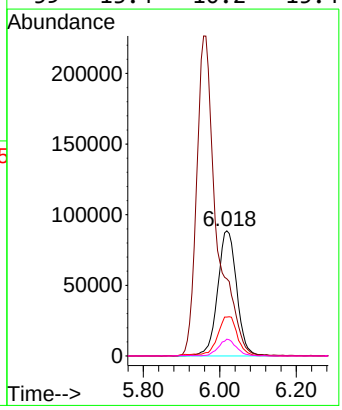
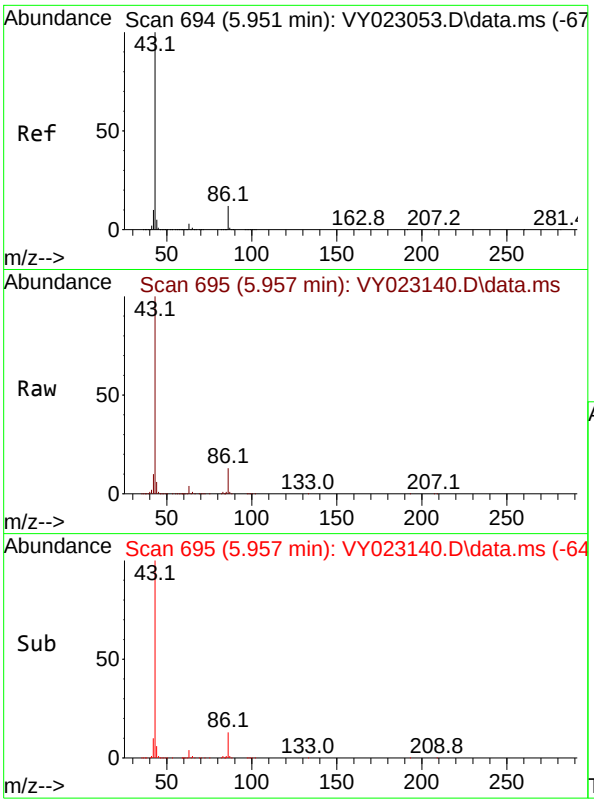


#22
Diisopropyl ether
Concen: 19.199 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 45 Resp: 306183

Ion	Ratio	Lower	Upper
45	100		
43	61.5	43.4	65.0
87	31.1	24.4	36.6
59	13.4	10.2	15.4

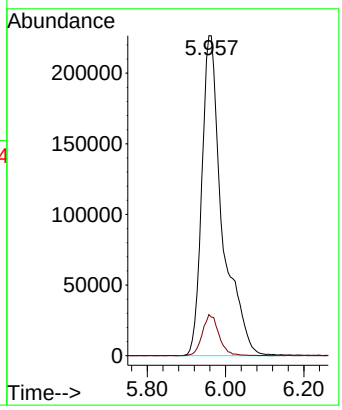




#23
Vinyl Acetate
Concen: 93.270 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 82247

Ion	Ratio	Lower	Upper
43	100		
86	12.9	9.6	14.4



Instrument :
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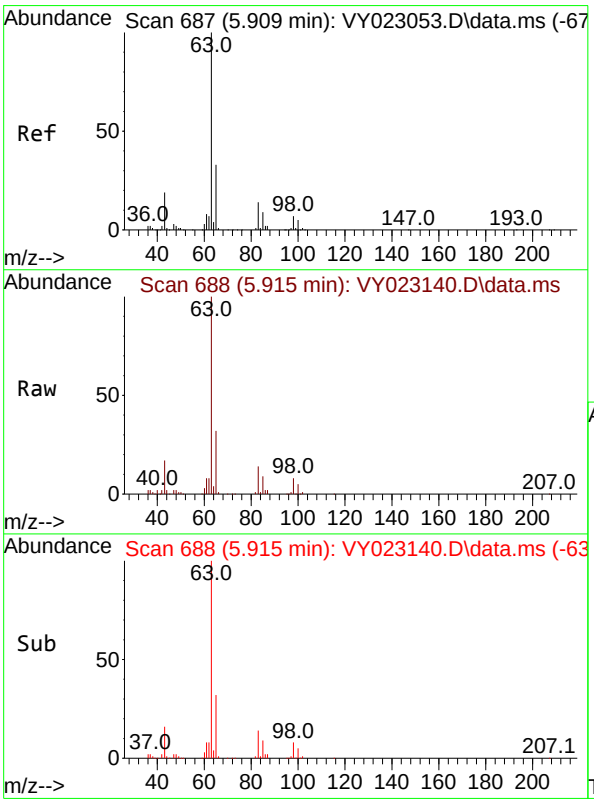
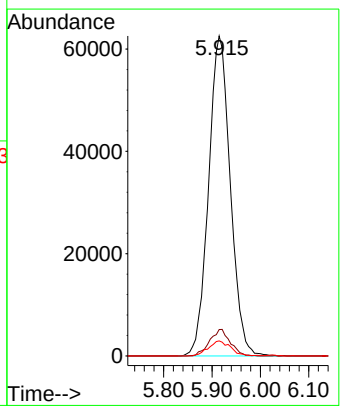
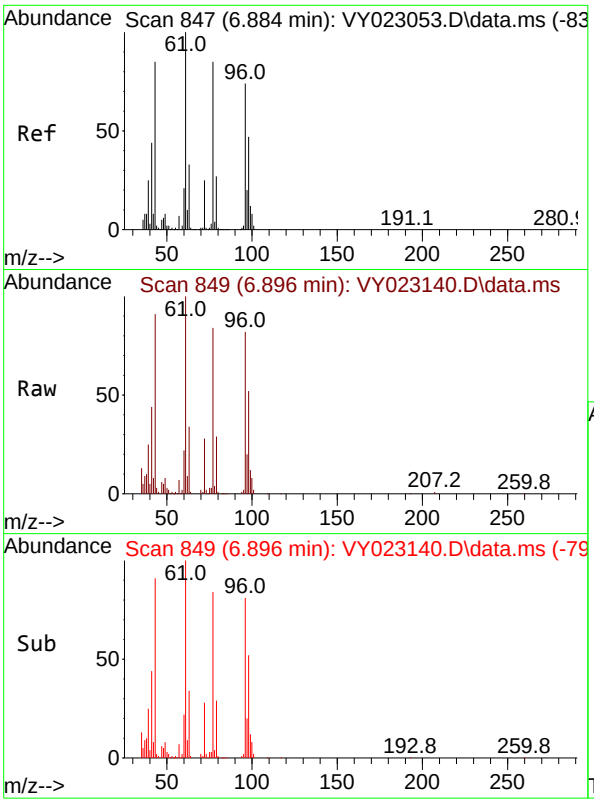


#24
1,1-Dichloroethane
Concen: 20.037 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 63 Resp: 195367

Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.5	10.6
100	4.7	2.4	7.1





#25
2-Butanone
Concen: 97.745 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 14206

Ion	Ratio	Lower	Upper
43	100		
72	31.1	23.5	35.3

Instrument :
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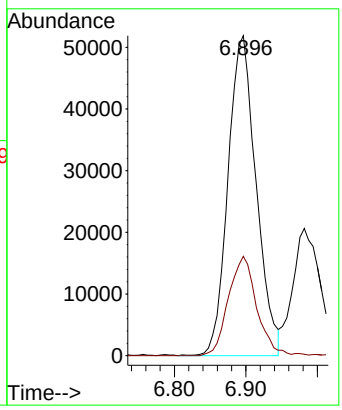
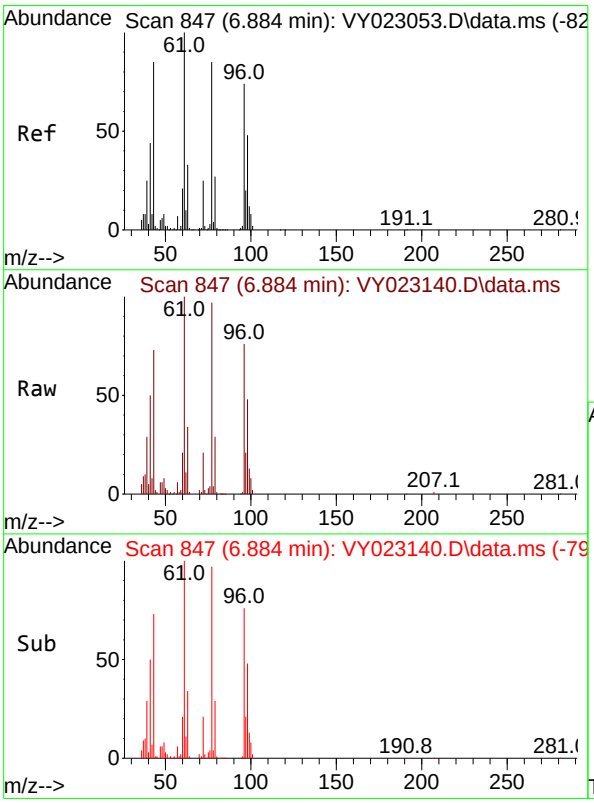
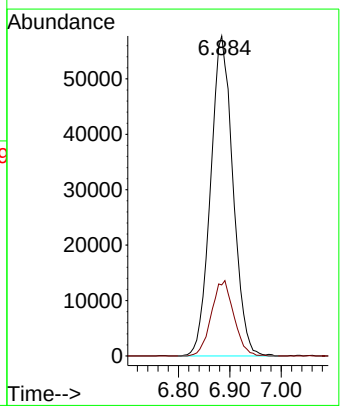


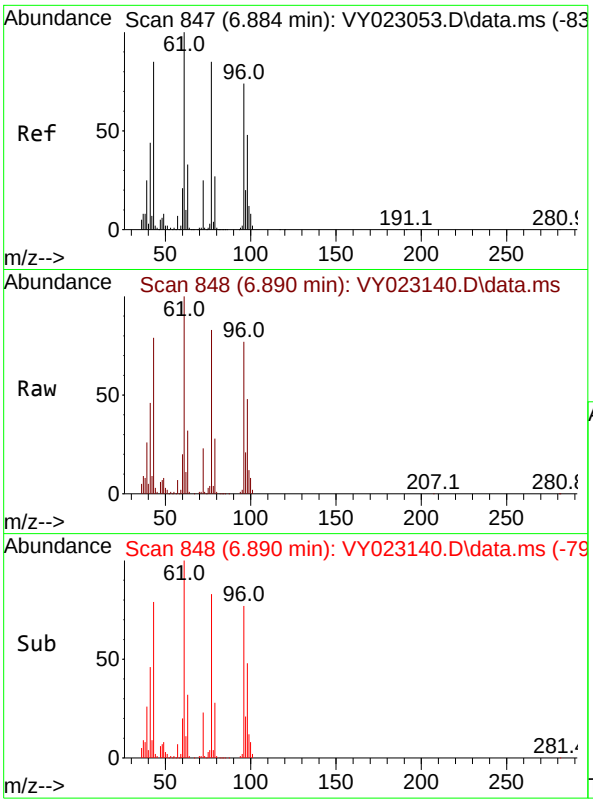


#26
2,2-Dichloropropane
Concen: 20.792 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 77 Resp: 174925

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.6	34.8

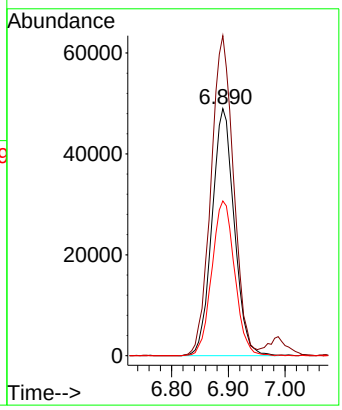




#27
cis-1,2-Dichloroethene
Concen: 20.583 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 96 Resp: 13337

Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	278.6
98	64.2	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
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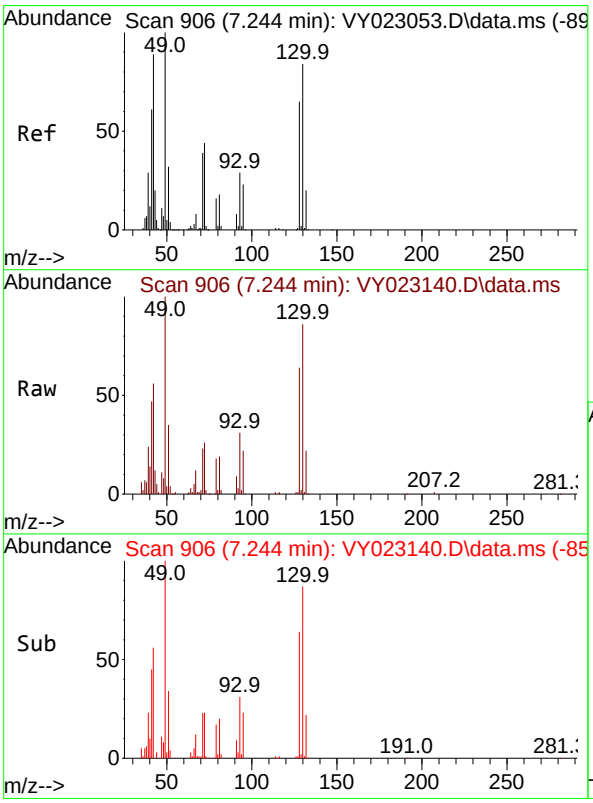
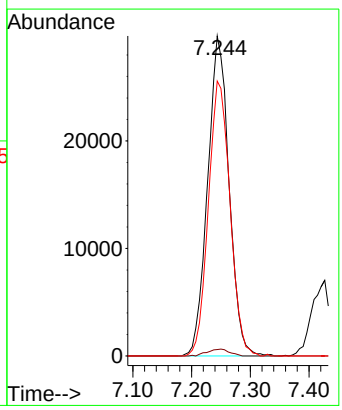
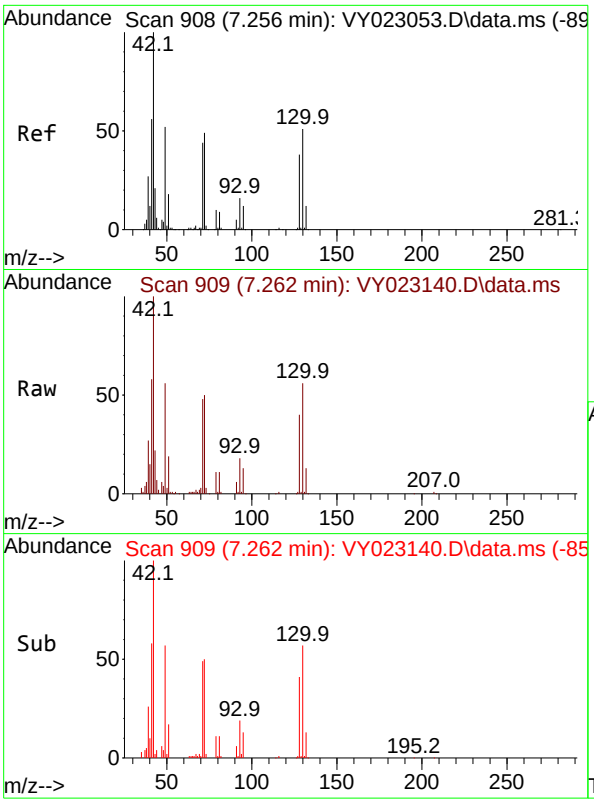


#28
Bromochloromethane
Concen: 19.493 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 49 Resp: 75405

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.7	66.4	99.6

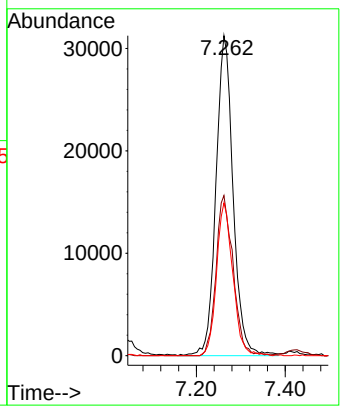




#29
Tetrahydrofuran
Concen: 92.691 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 42 Resp: 8350

Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.4	59.2
71	45.5	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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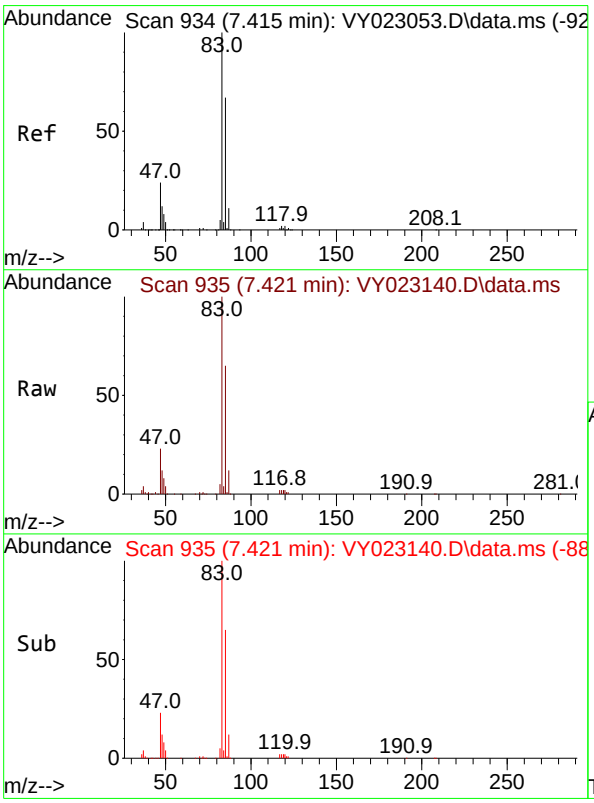
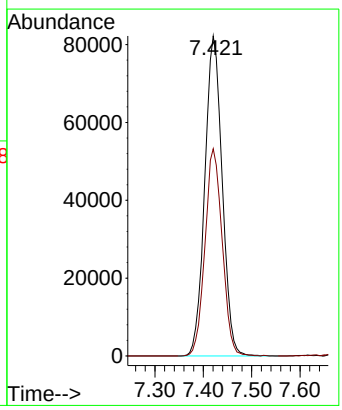
Supervised By :Mahesh Dadoda 08/20/2025

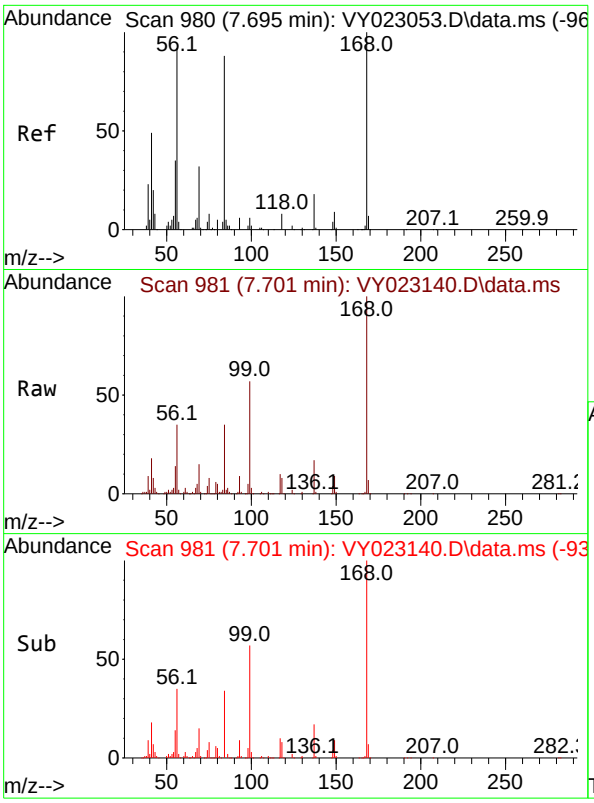


#30
Chloroform
Concen: 20.444 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 83 Resp: 205577

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8





#31
Cyclohexane
Concen: 19.364 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 56 Resp: 17791

Ion	Ratio	Lower	Upper
56	100		
69	41.7	28.2	42.2
84	99.0	76.6	114.8

Instrument :
MSVOA_Y
ClientSampleId :
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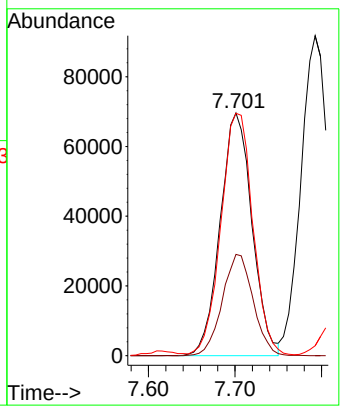
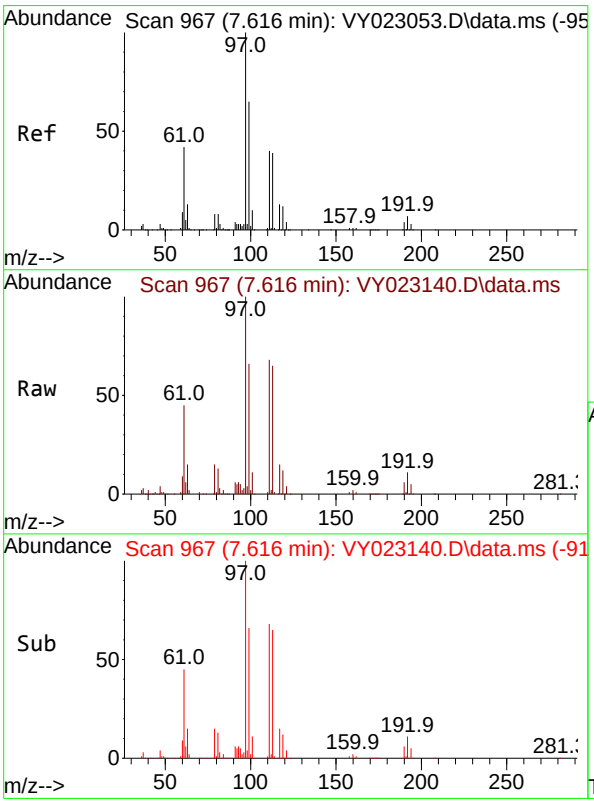
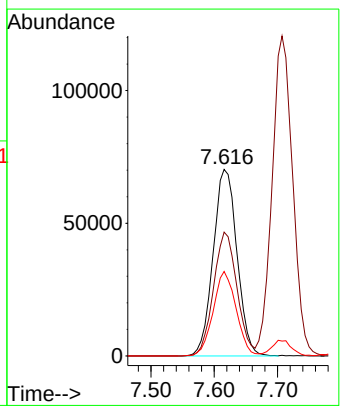


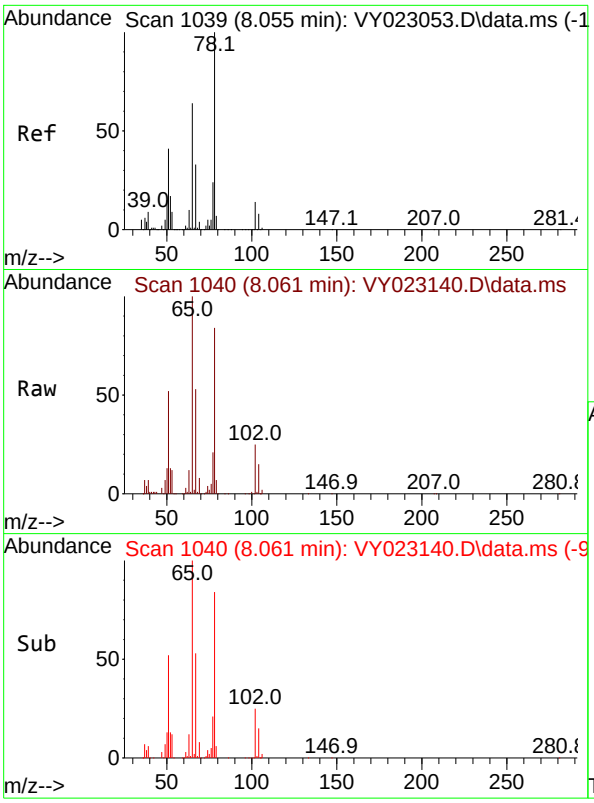


#32
1,1,1-Trichloroethane
Concen: 20.600 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 97 Resp: 183801

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.6	77.4
61	43.6	34.2	51.2

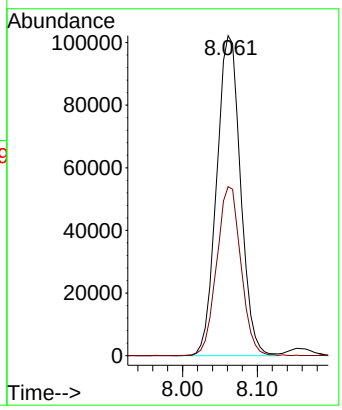




#33
1,2-Dichloroethane-d4
Concen: 46.083 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 65 Resp: 22732

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8



Instrument :
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ClientSampleId :
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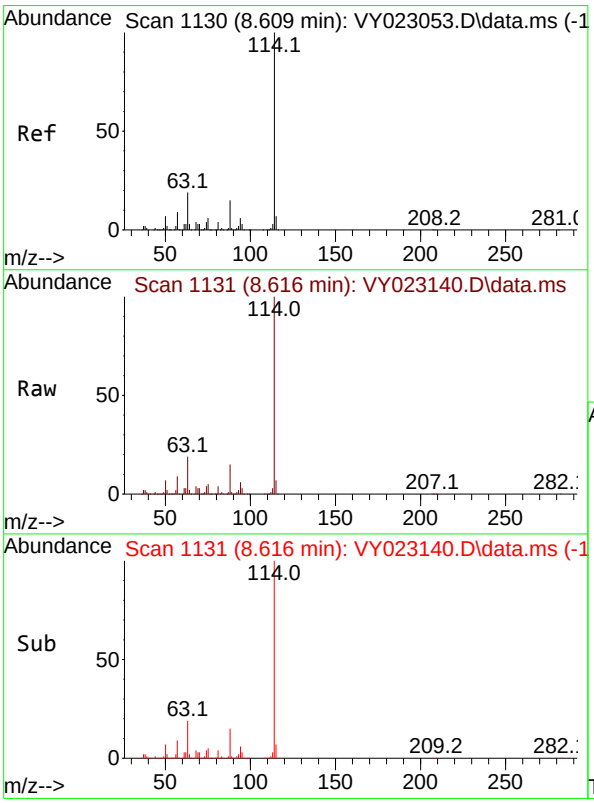
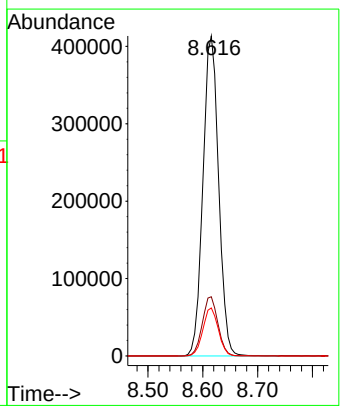
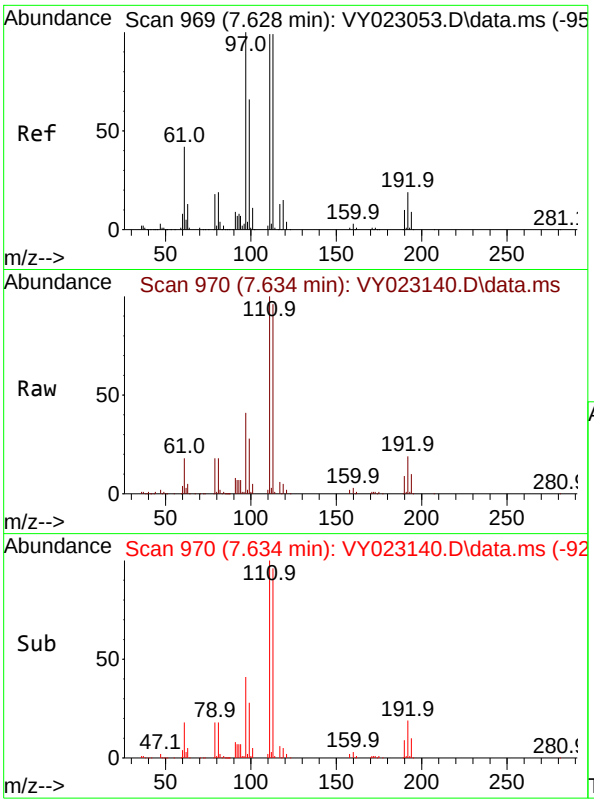


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:114 Resp: 818799

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	15.0	0.0	30.0

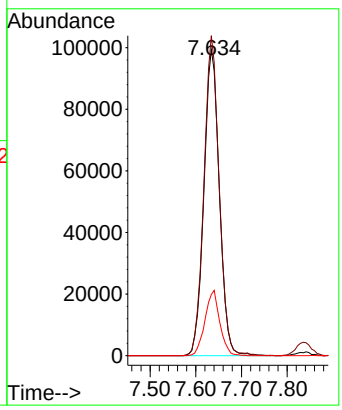




#35
Dibromofluoromethane
Concen: 47.586 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:113 Resp: 23314

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.1	121.7
192	20.5	16.2	24.4



Instrument :
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ClientSampleId :
VY0819SBSD01

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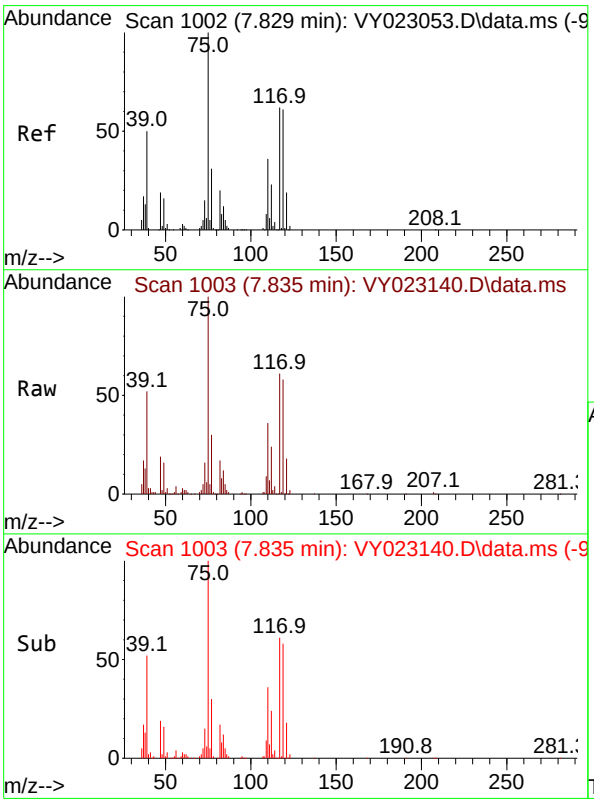
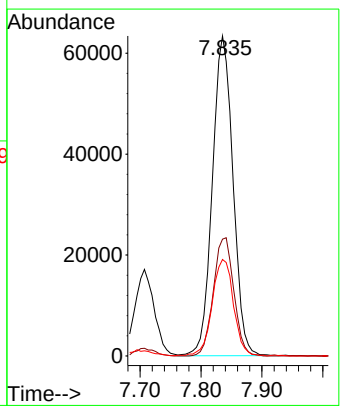
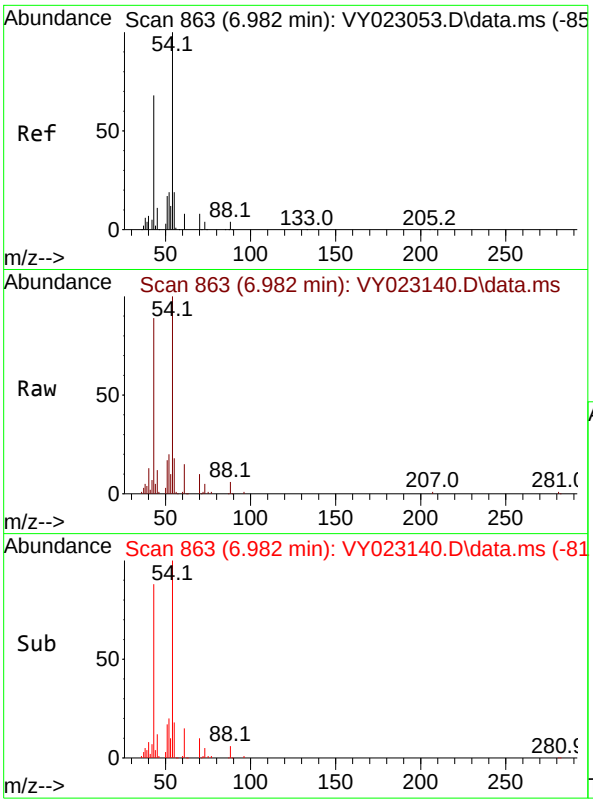


#36
1,1-Dichloropropene
Concen: 20.451 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 148907

Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.4
77	31.4	24.6	37.0





#37
Ethyl Acetate
Concen: 18.798 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 5749

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.9	17.9
70	11.3	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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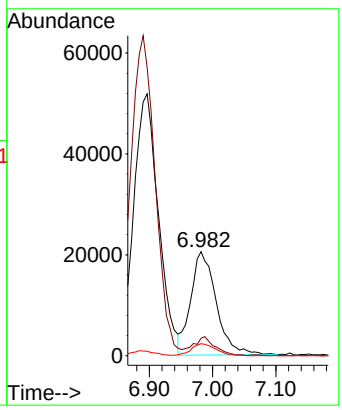
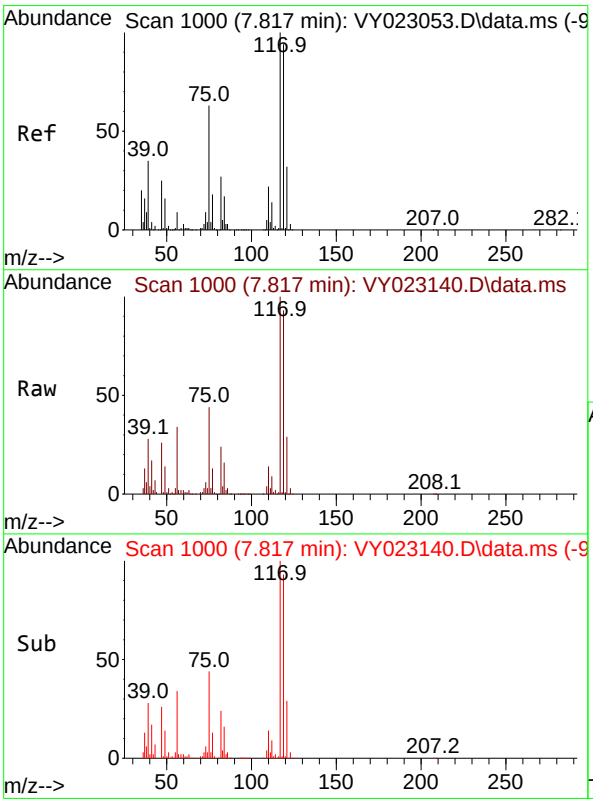
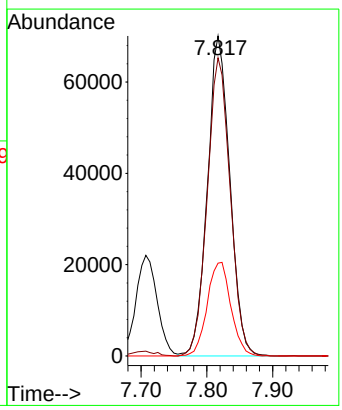


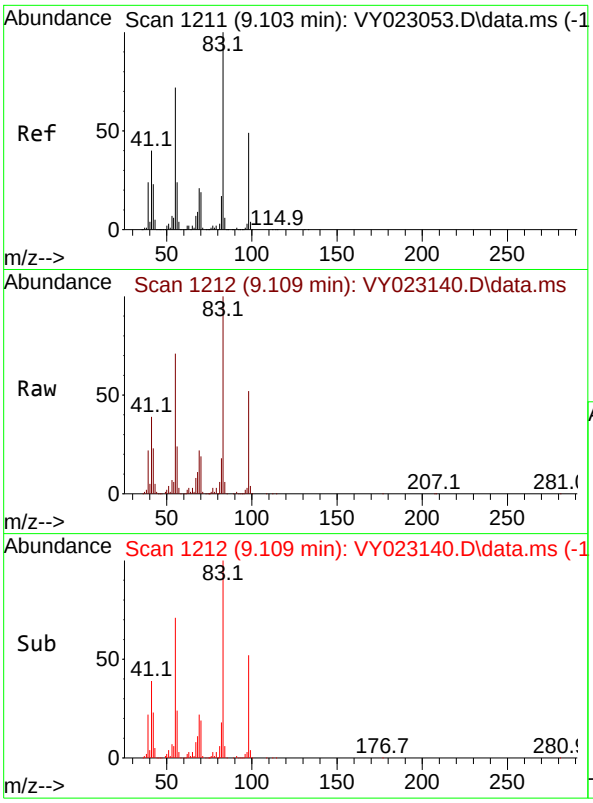


#38
Carbon Tetrachloride
Concen: 21.055 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:117 Resp: 166508

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.6	113.4
121	29.0	25.8	38.8

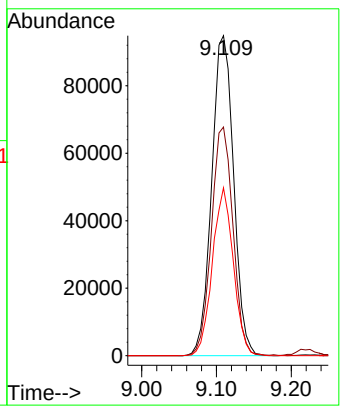




#39
Methylcyclohexane
Concen: 20.160 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 83 Resp: 19330

Ion	Ratio	Lower	Upper
83	100		
55	71.5	57.6	86.4
98	52.5	39.2	58.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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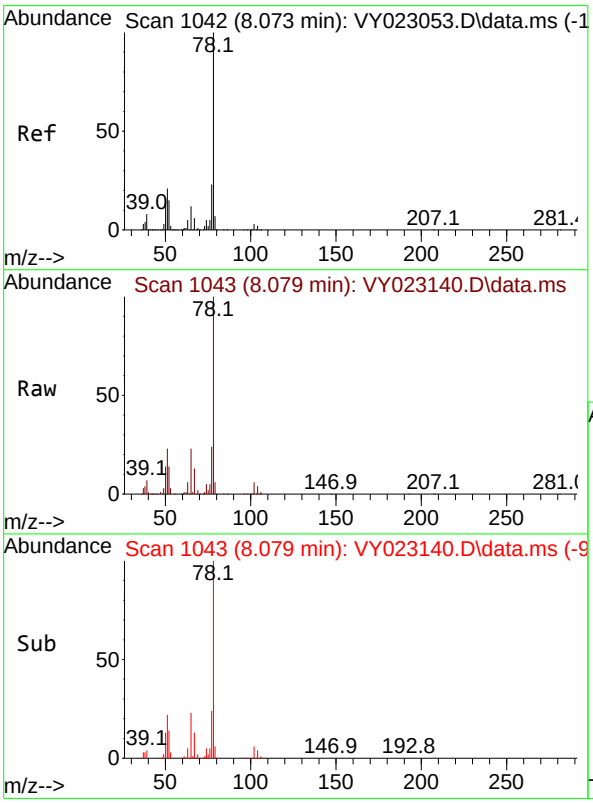
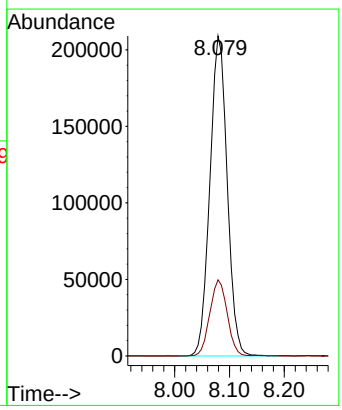
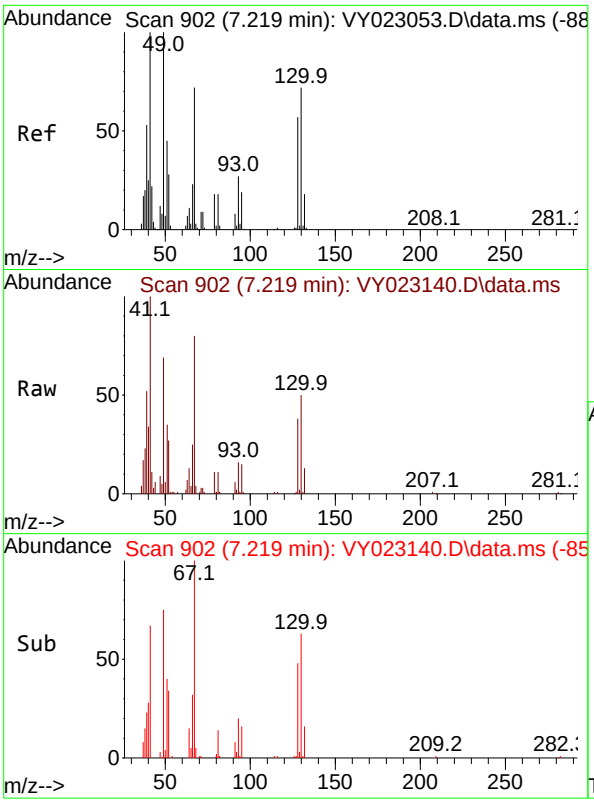


#40
Benzene
Concen: 20.413 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 78 Resp: 458105

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0

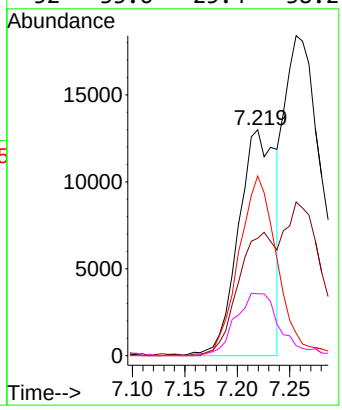




#41
Methacrylonitrile
Concen: 18.147 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 41 Resp: 3203

Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.4	65.2
67	83.2	63.6	95.4
52	33.6	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
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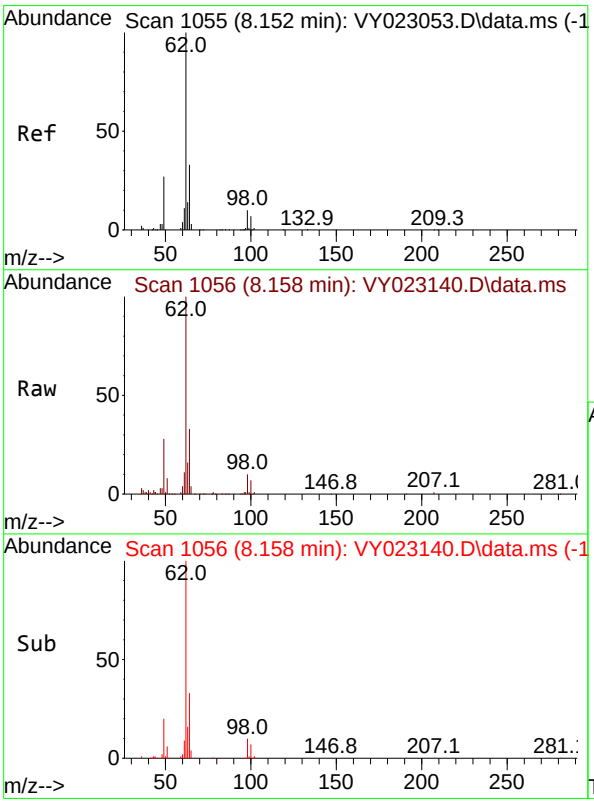
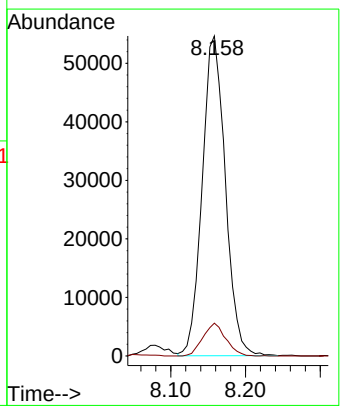
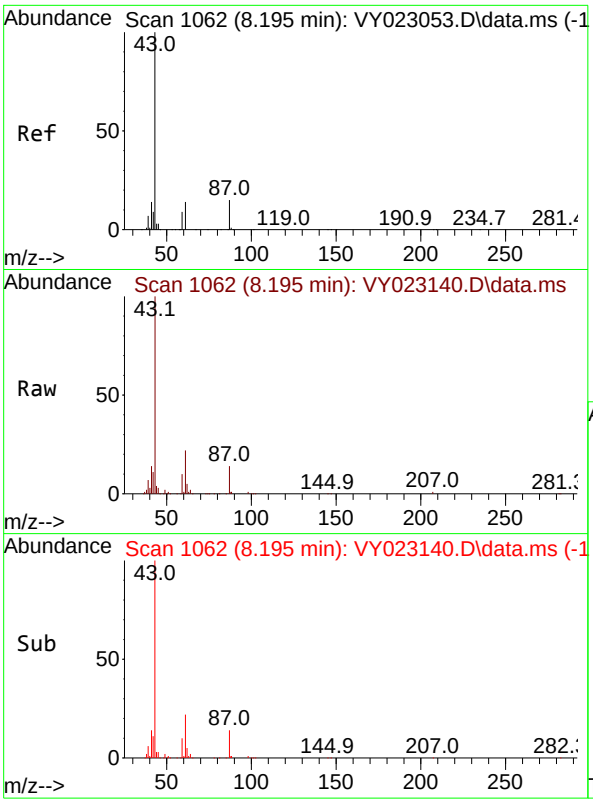


#42
1,2-Dichloroethane
Concen: 20.140 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 62 Resp: 117549

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

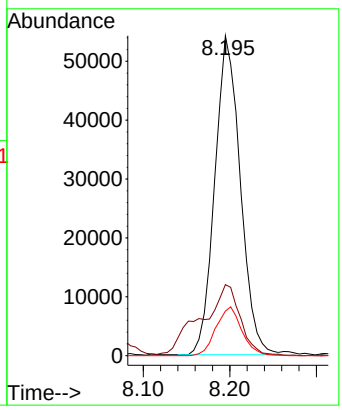




#43
Isopropyl Acetate
Concen: 17.933 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 11086

Ion	Ratio	Lower	Upper
43	100		
61	34.4	16.4	24.6
87	15.5	11.8	17.6



Instrument :
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ClientSampleId :
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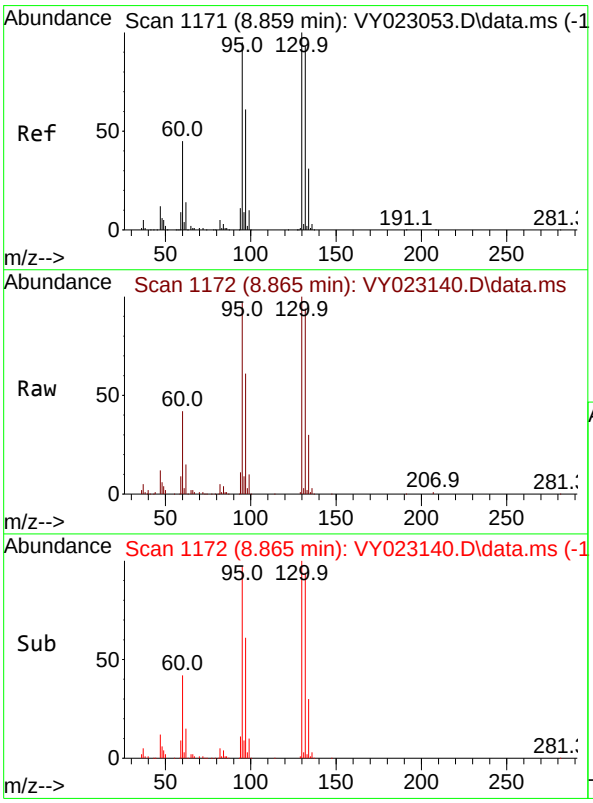
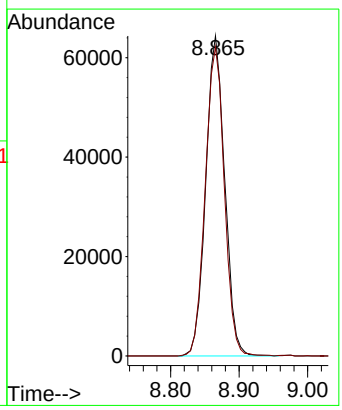
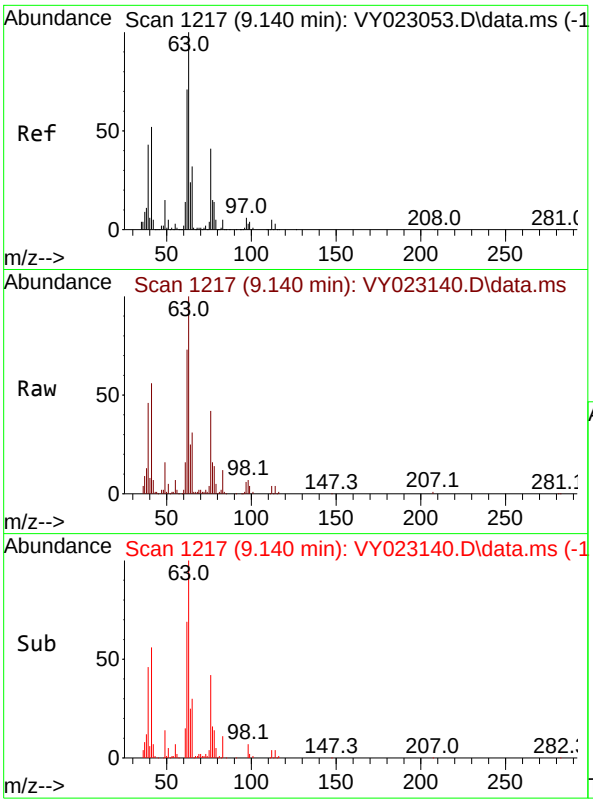


#44
Trichloroethene
Concen: 21.356 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:130 Resp: 123853

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	190.2

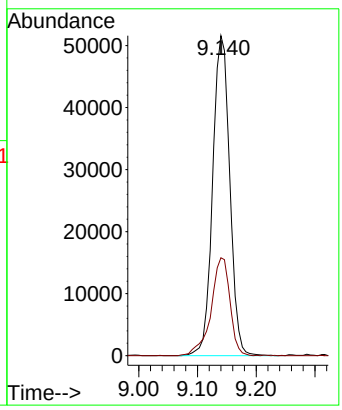




#45
1,2-Dichloropropane
Concen: 20.167 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 63 Resp: 10413

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.3	37.9



Instrument :
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ClientSampleId :
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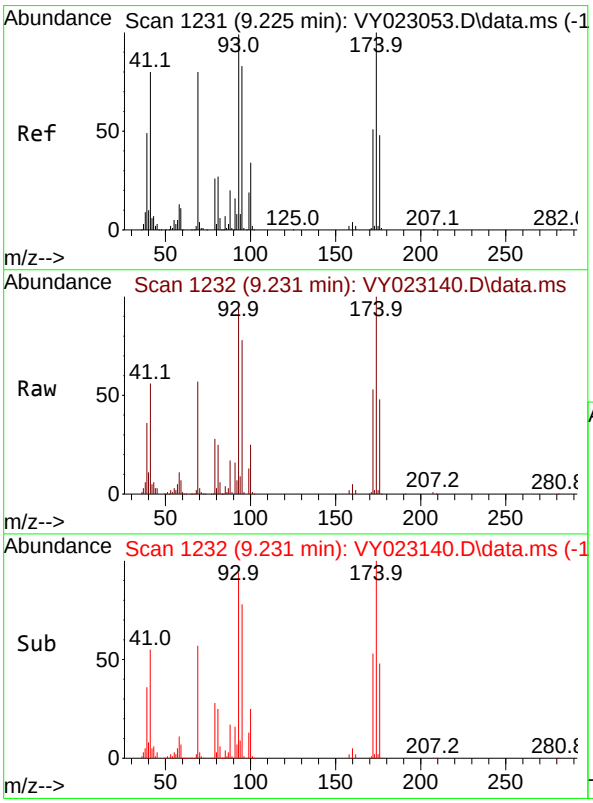
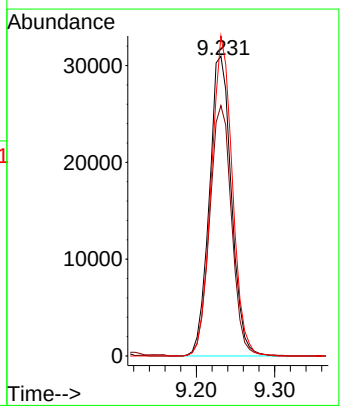
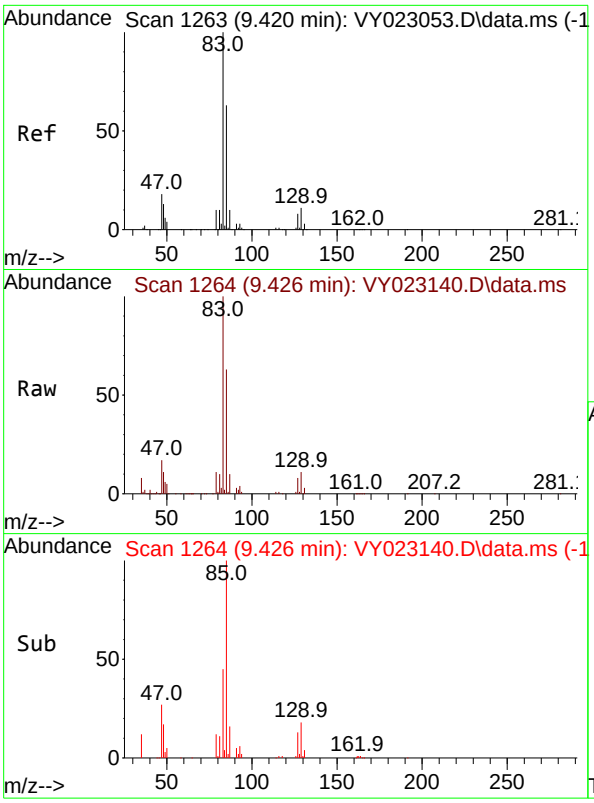


#46
Dibromomethane
Concen: 20.476 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 93 Resp: 60685

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.5	99.7
174	102.2	81.8	122.8

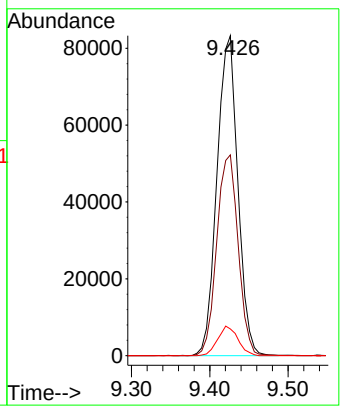




#47
Bromodichloromethane
Concen: 20.232 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 83 Resp: 15429

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.4
127	8.3	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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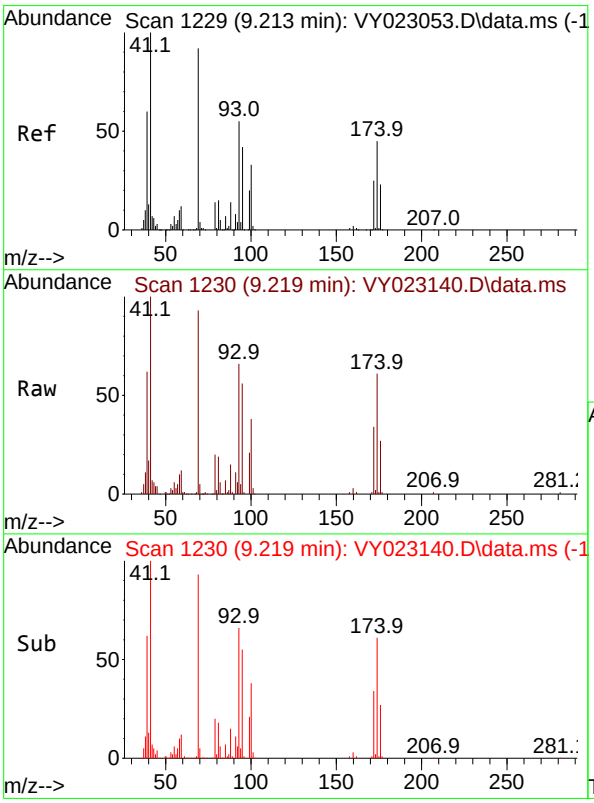
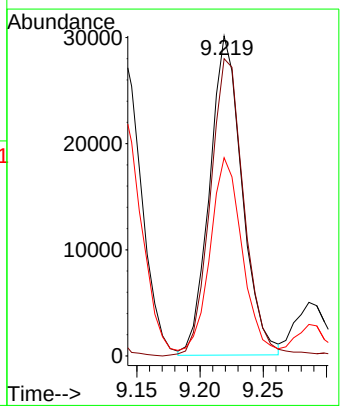
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

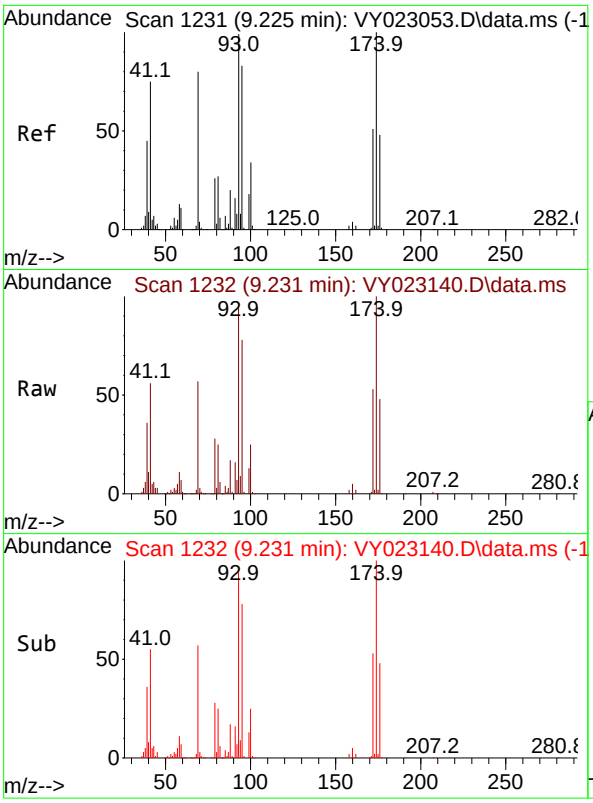


#48
Methyl methacrylate
Concen: 18.158 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 41 Resp: 53715

Ion	Ratio	Lower	Upper
41	100		
69	97.3	73.2	109.8
39	58.5	47.0	70.4





#49
1,4-Dioxane
Concen: 363.816 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 88 Resp: 1264

Ion	Ratio	Lower	Upper
88	100		
43	32.0	24.3	36.5
58	65.8	55.4	83.0

Instrument :
MSVOA_Y
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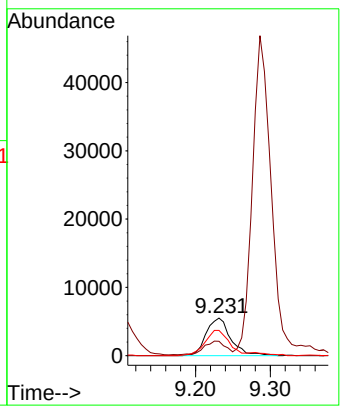
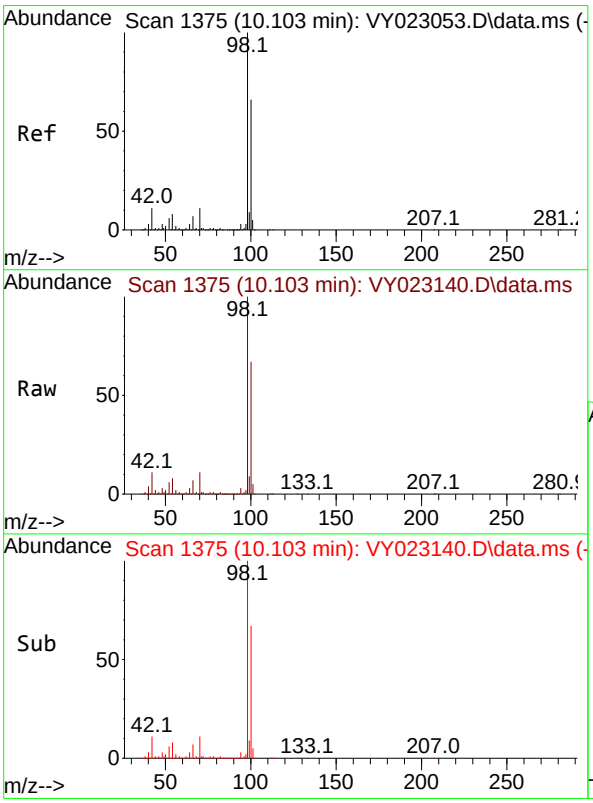
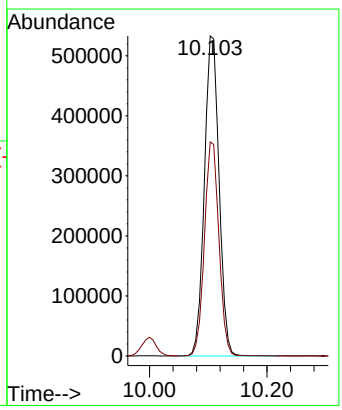


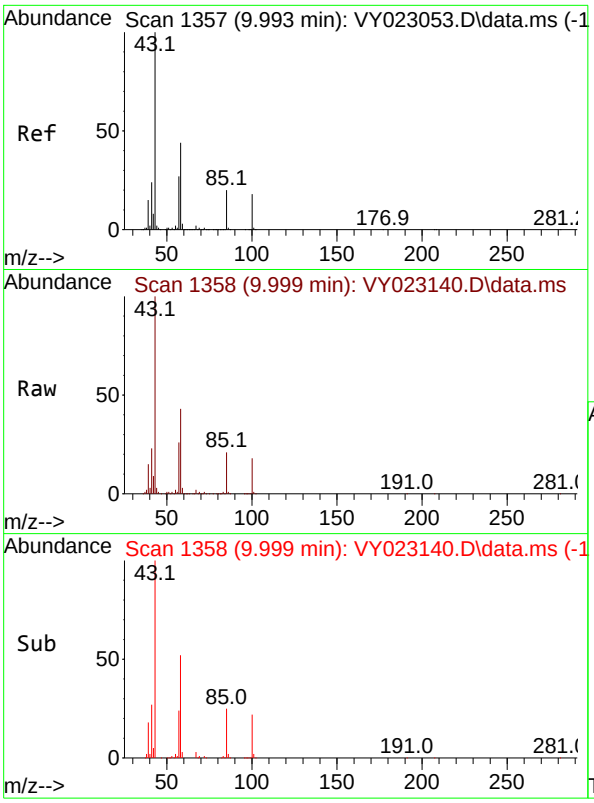


#50
Toluene-d8
Concen: 48.447 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 98 Resp: 927285

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5

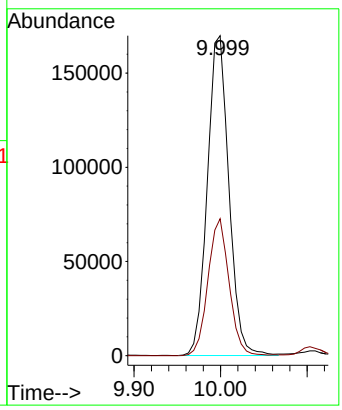




#51
4-Methyl-2-Pentanone
Concen: 92.052 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 29354

Ion	Ratio	Lower	Upper
43	100		
58	42.1	33.5	50.3



Instrument :
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ClientSampleId :
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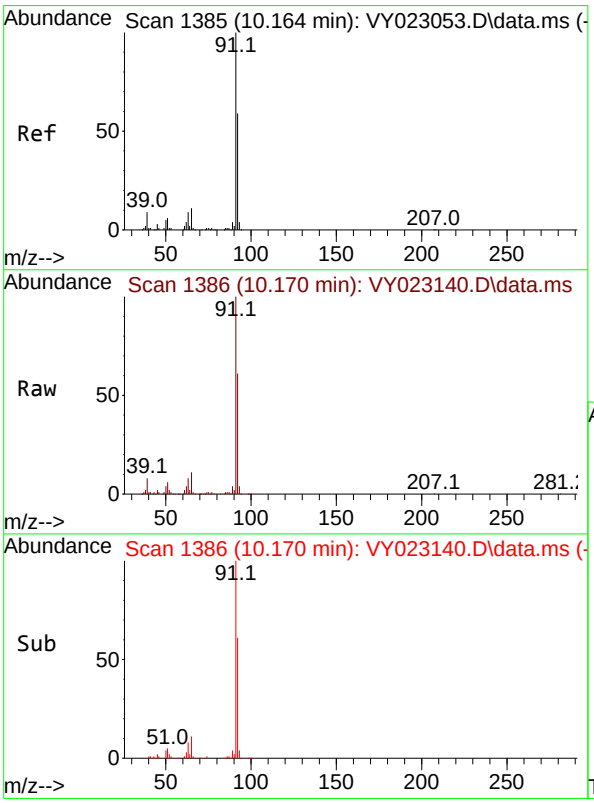
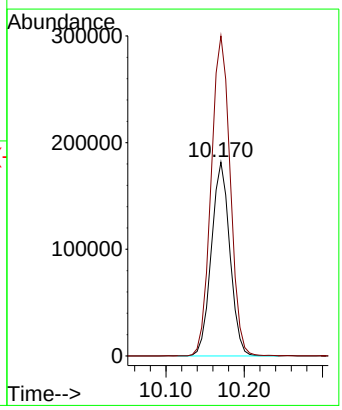
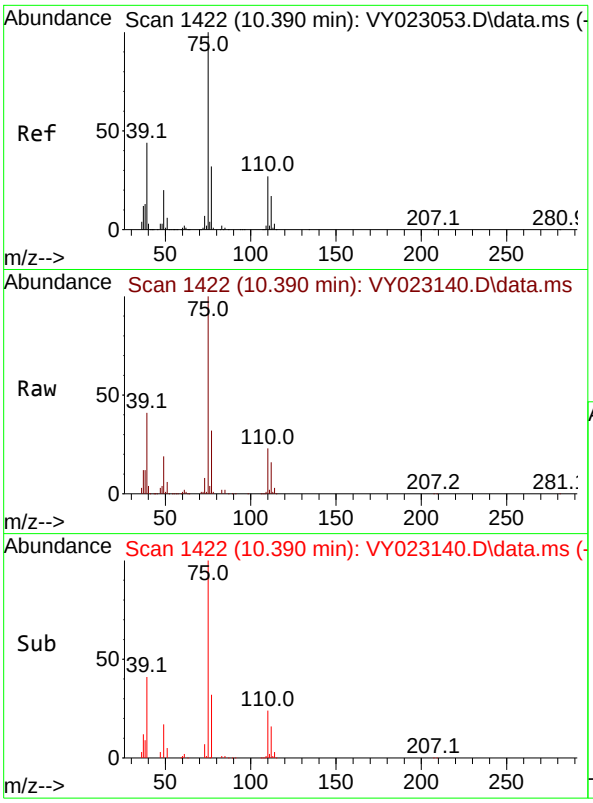


#52
Toluene
Concen: 20.876 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 92 Resp: 297560

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.4	204.6

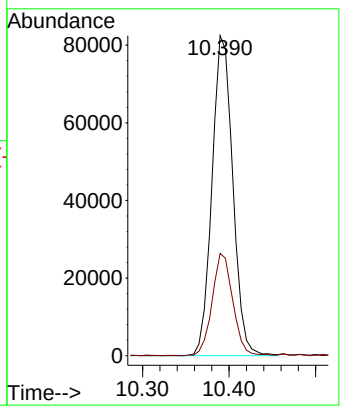




#53
t-1,3-Dichloropropene
Concen: 19.881 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
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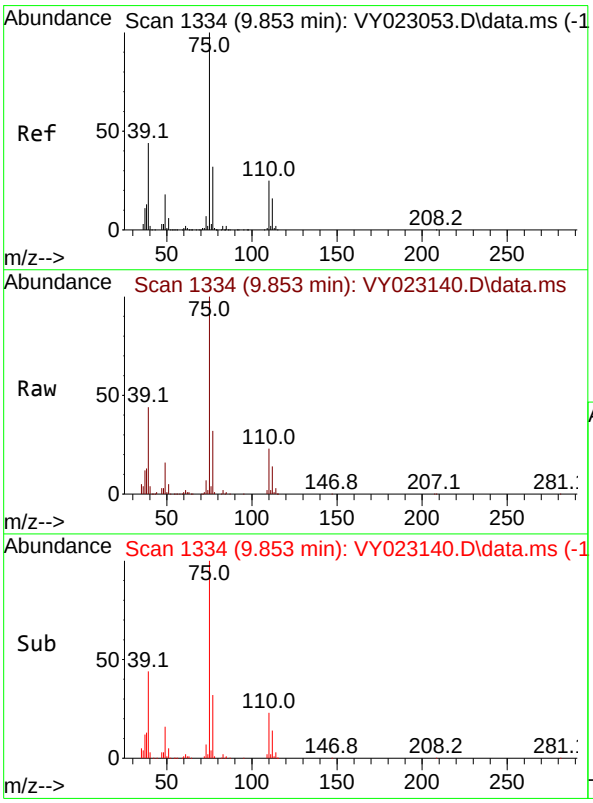
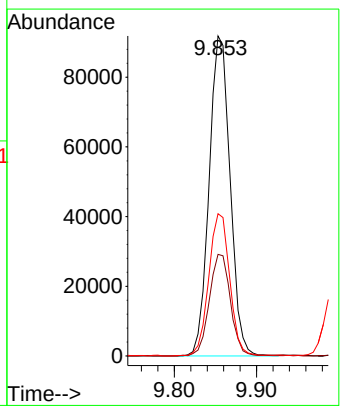
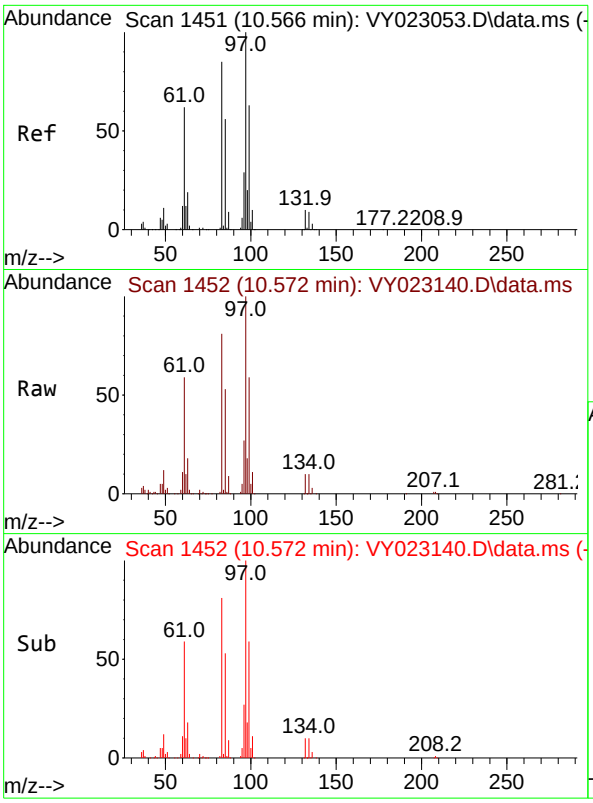


#54
cis-1,3-Dichloropropene
Concen: 19.944 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 162867

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	44.3	35.6	53.4

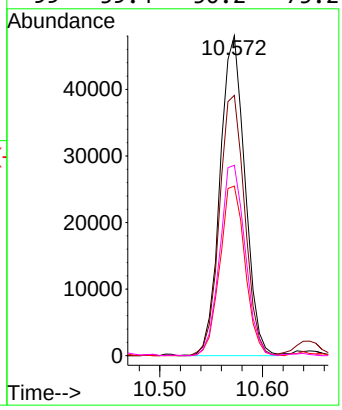




#55
1,1,2-Trichloroethane
Concen: 20.362 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 97 Resp: 8075

Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.7	101.5
85	53.0	44.5	66.7
99	59.4	50.2	75.2



Instrument :
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ClientSampleId :
VY0819SBSD01

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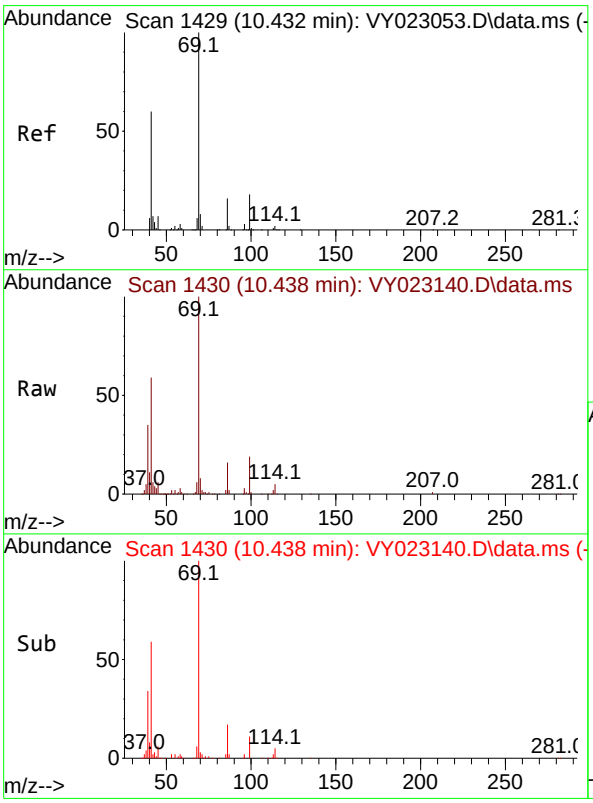
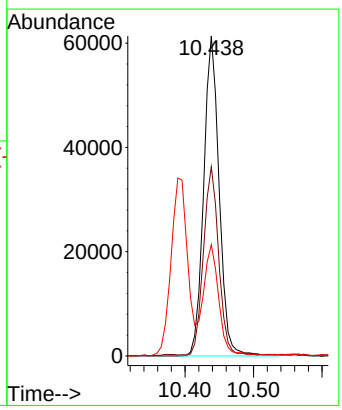
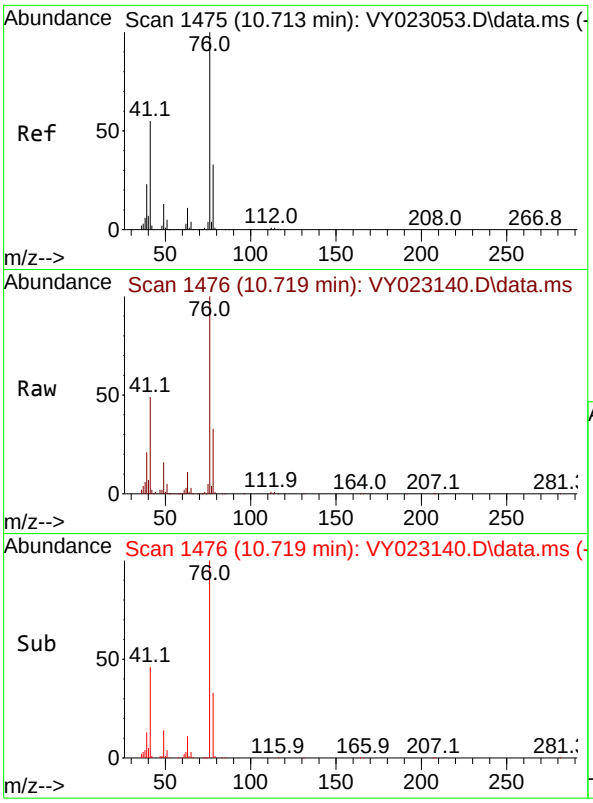


#56
Ethyl methacrylate
Concen: 18.994 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 69 Resp: 96390

Ion	Ratio	Lower	Upper
69	100		
41	57.5	48.6	72.8
39	34.4	27.0	40.4

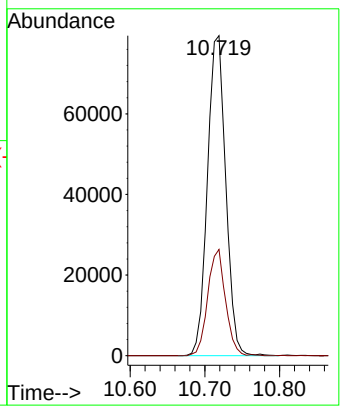




#57
1,3-Dichloropropane
Concen: 20.062 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 76 Resp: 13493

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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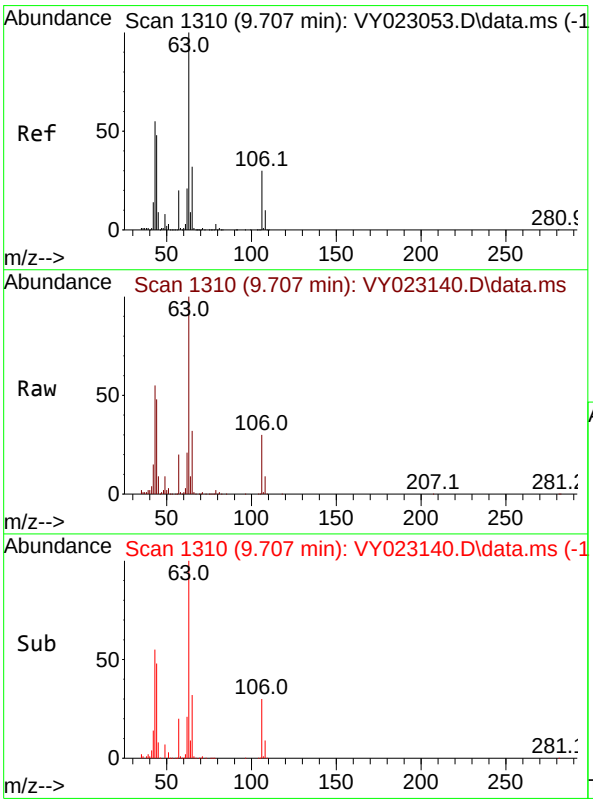
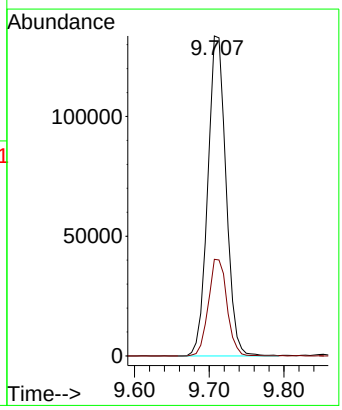
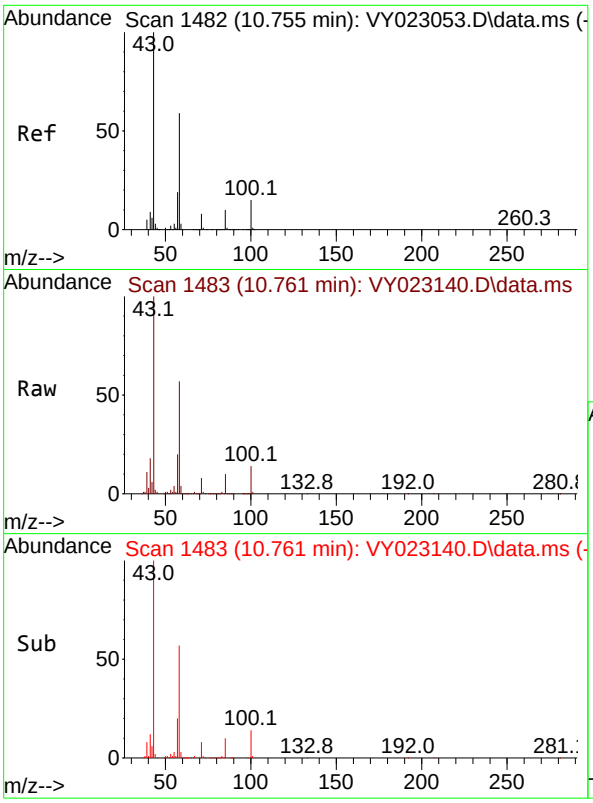


#58
2-Chloroethyl Vinyl ether
Concen: 94.830 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 63 Resp: 226996

Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.2	34.8

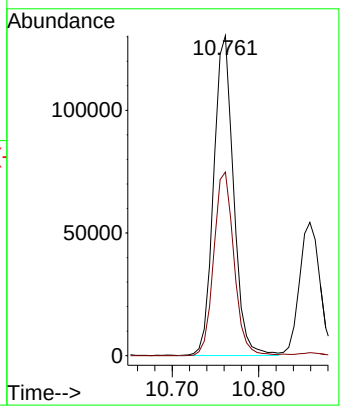




#59
2-Hexanone
Concen: 95.694 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 20779

Ion	Ratio	Lower	Upper
43	100		
58	58.4	29.5	88.5



Instrument :
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ClientSampleId :
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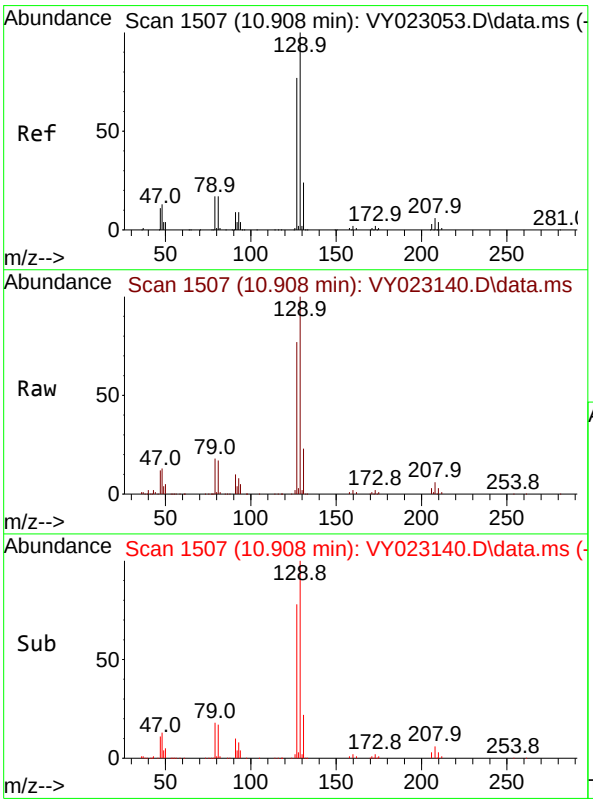
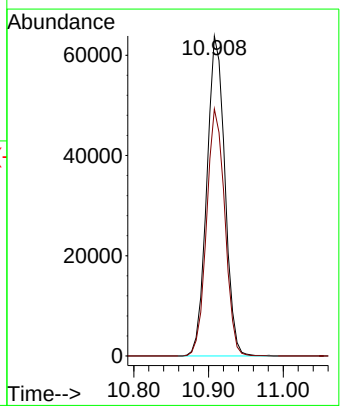
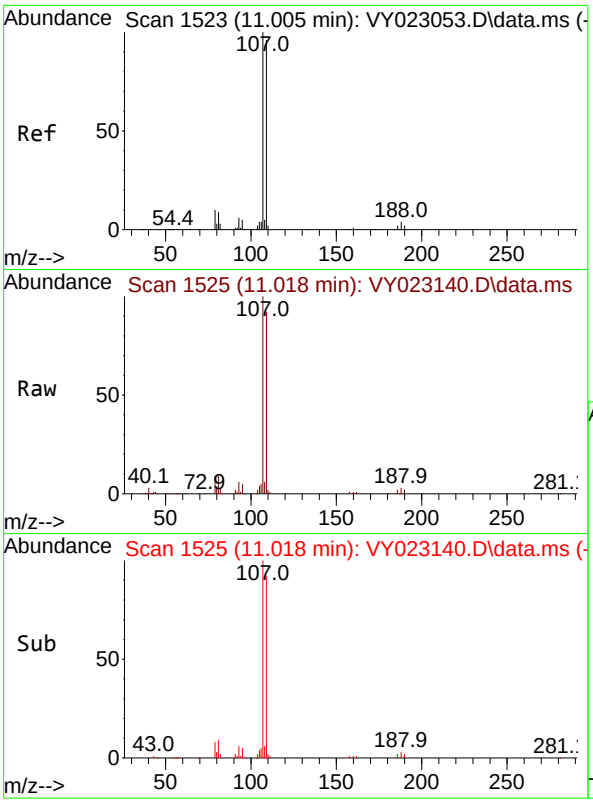


#60
Dibromochloromethane
Concen: 20.438 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:129 Resp: 106952

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

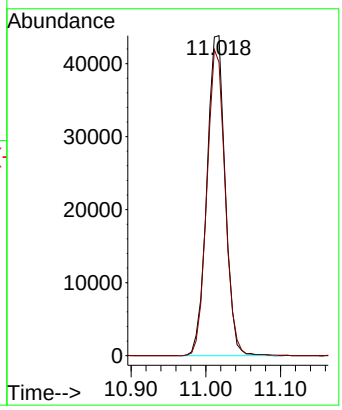




#61
1,2-Dibromoethane
Concen: 20.016 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:107 Resp: 7460

Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.6	113.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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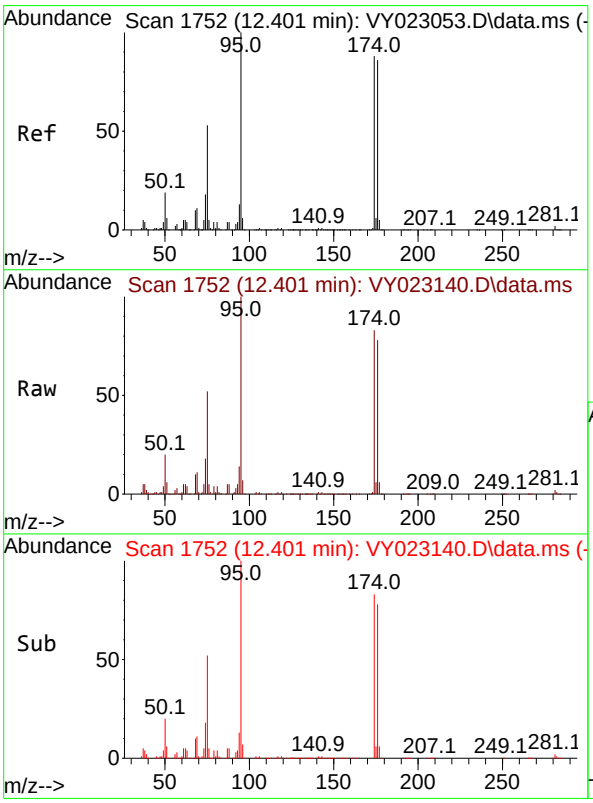
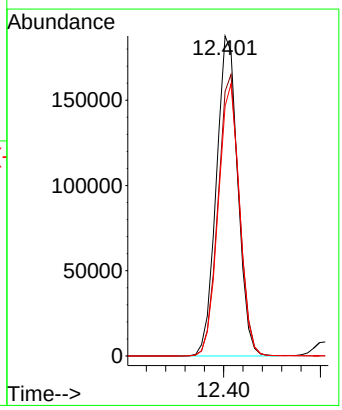
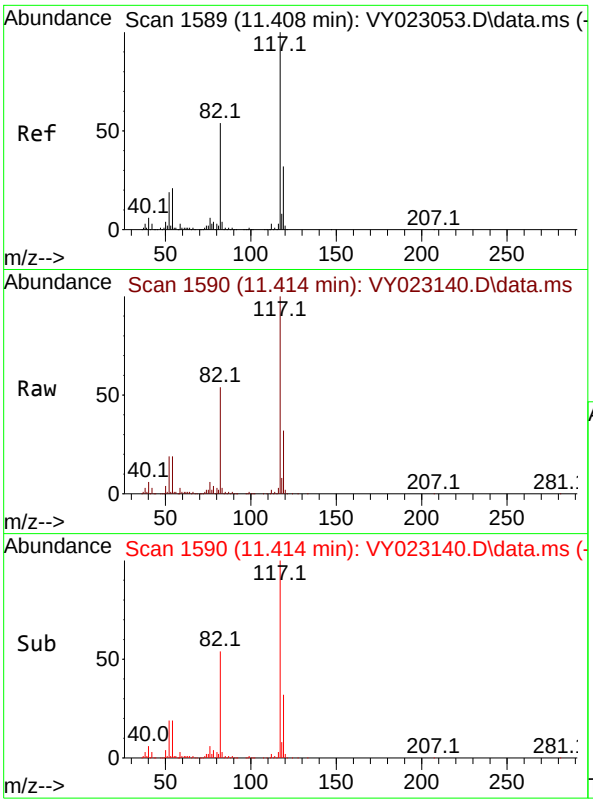


#62
4-Bromofluorobenzene
Concen: 46.799 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 95 Resp: 288067

Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	171.6
176	84.6	0.0	167.6

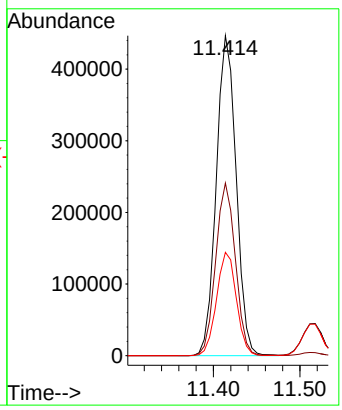




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:117 Resp: 71259

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	32.3	25.6	38.4



Instrument :
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ClientSampleId :
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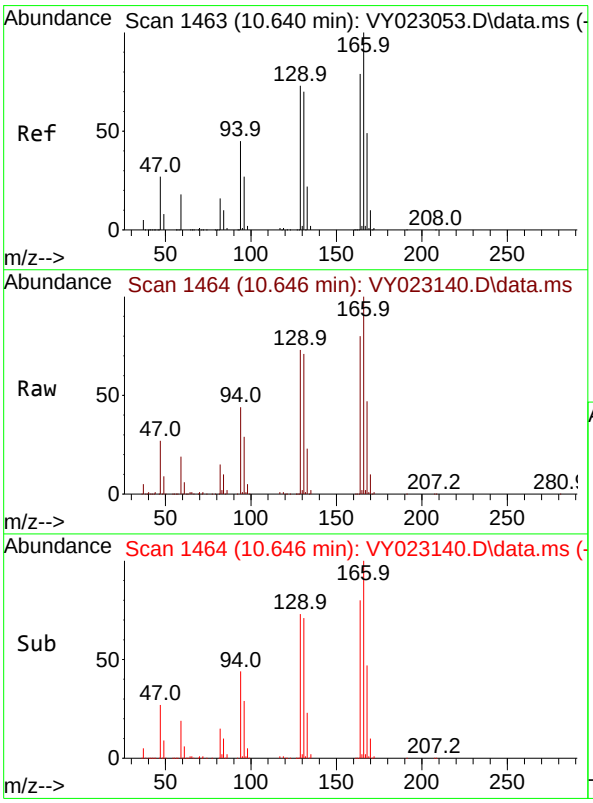
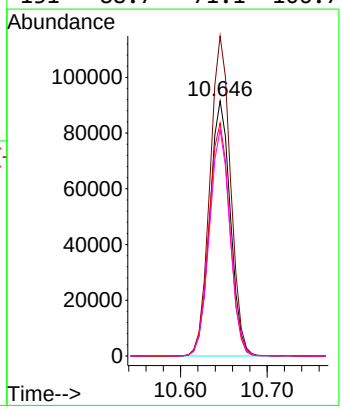
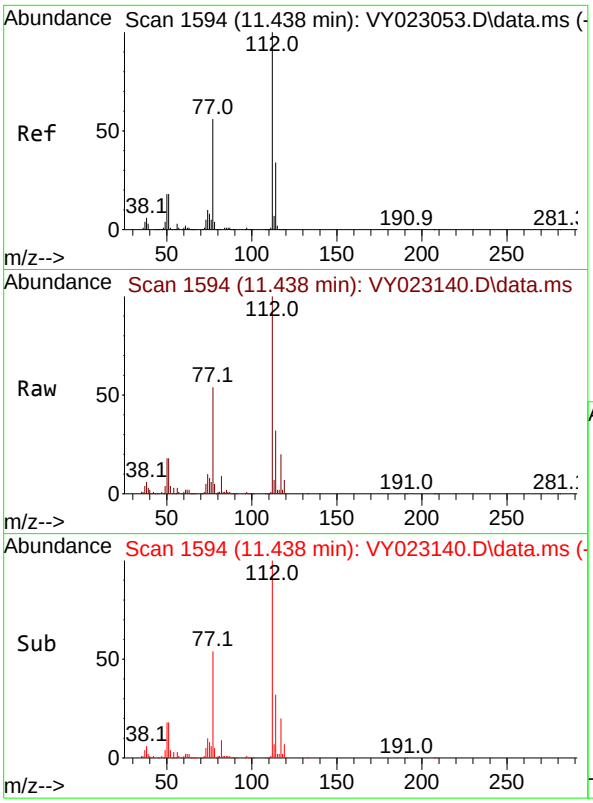


#64
Tetrachloroethene
Concen: 23.712 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:164 Resp: 150882

Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.1	151.7
129	91.4	74.0	111.0
131	88.7	71.1	106.7

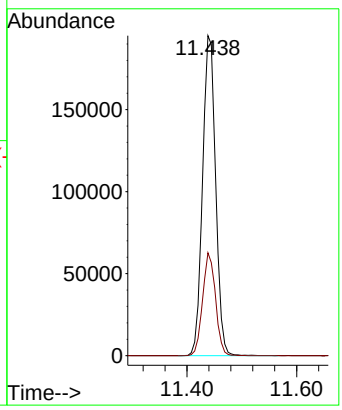




#65
Chlorobenzene
Concen: 20.934 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:112 Resp: 32176

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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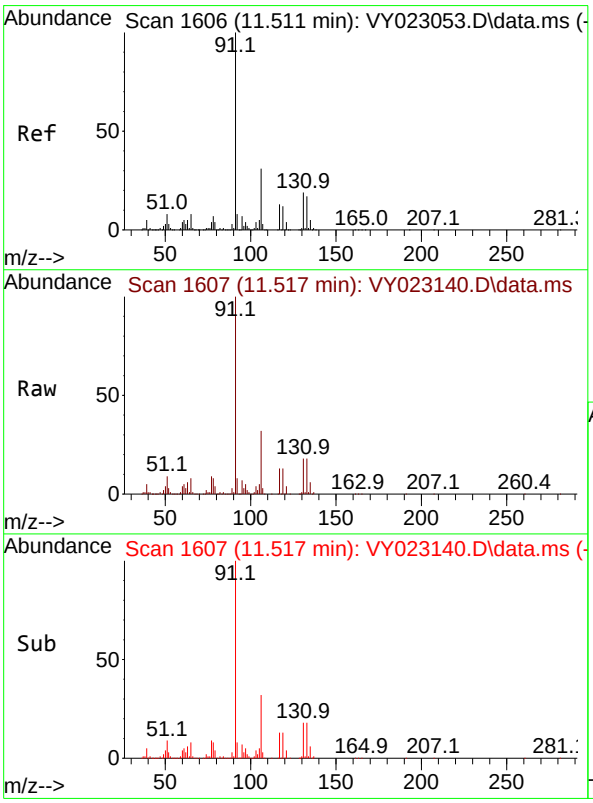
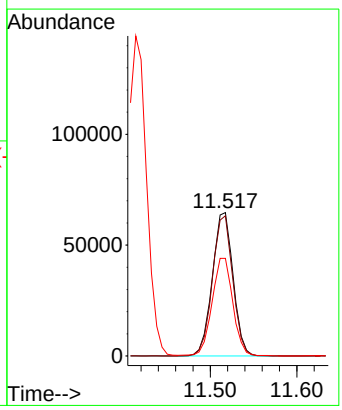
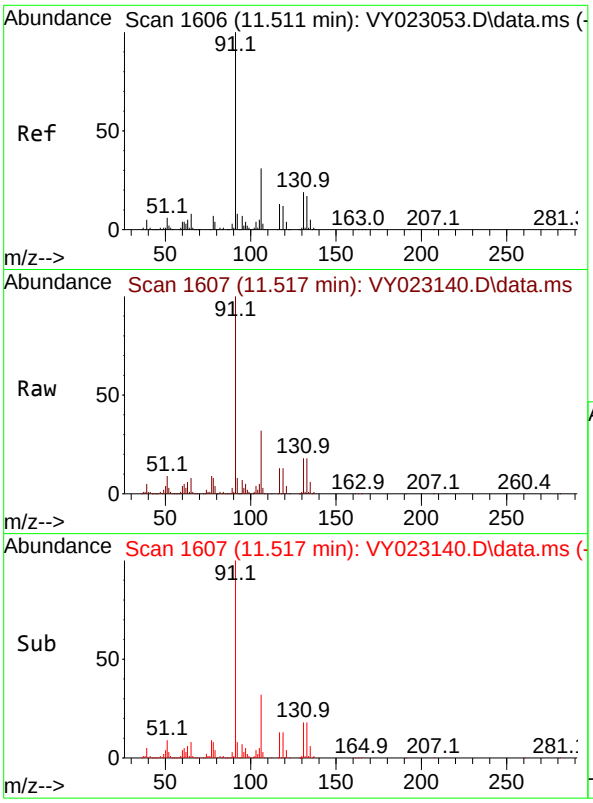


#66
1,1,1,2-Tetrachloroethane
Concen: 20.654 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:131 Resp: 107743

Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.9	140.6
119	68.4	33.2	99.6

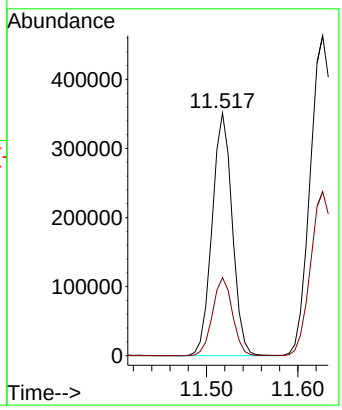




#67
Ethyl Benzene
Concen: 20.281 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 53645

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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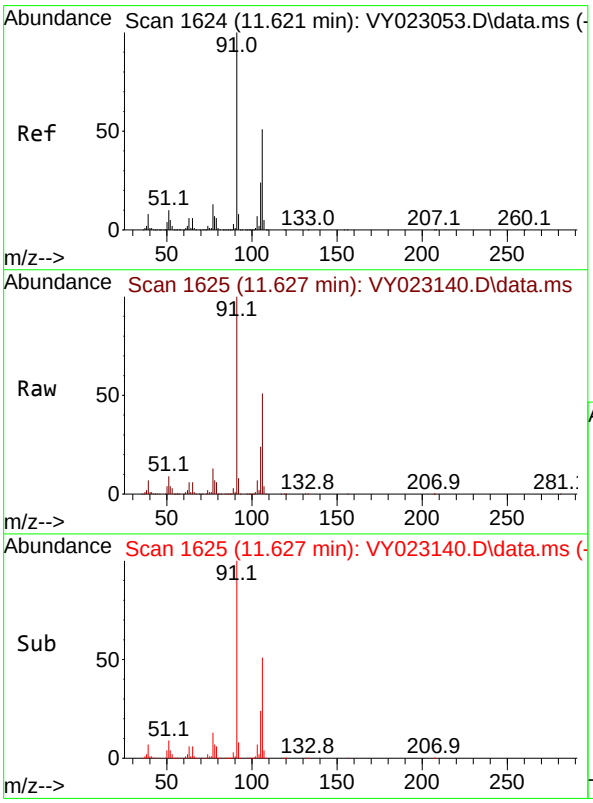
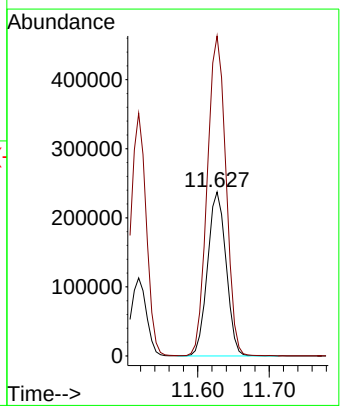
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

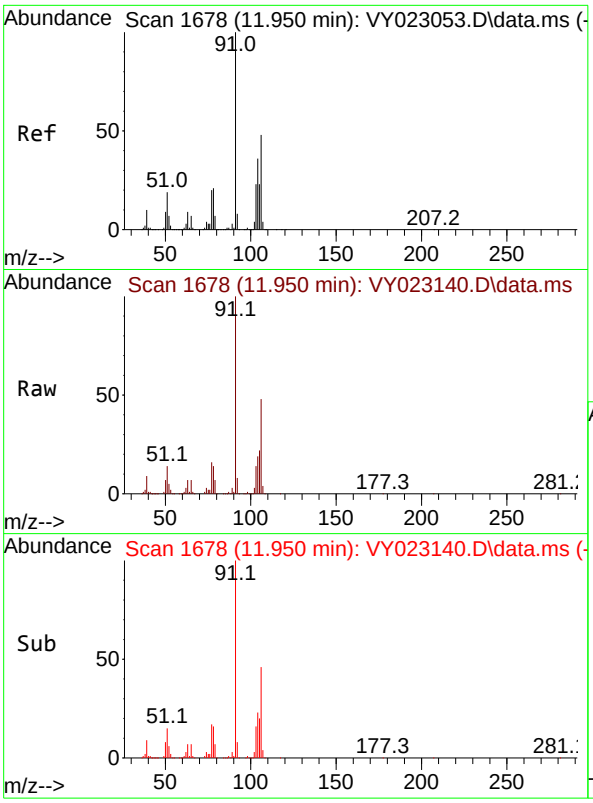


#68
m/p-Xylenes
Concen: 41.310 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:106 Resp: 426776

Ion	Ratio	Lower	Upper
106	100		
91	196.9	158.6	238.0

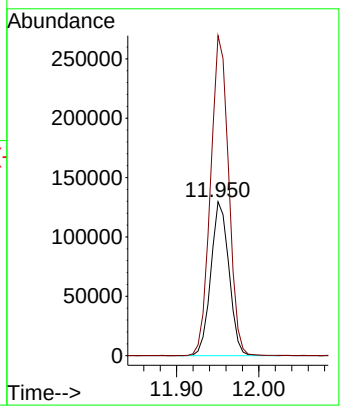




#69
o-Xylene
Concen: 20.464 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:106 Resp: 19801

Ion	Ratio	Lower	Upper
106	100		
91	207.8	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
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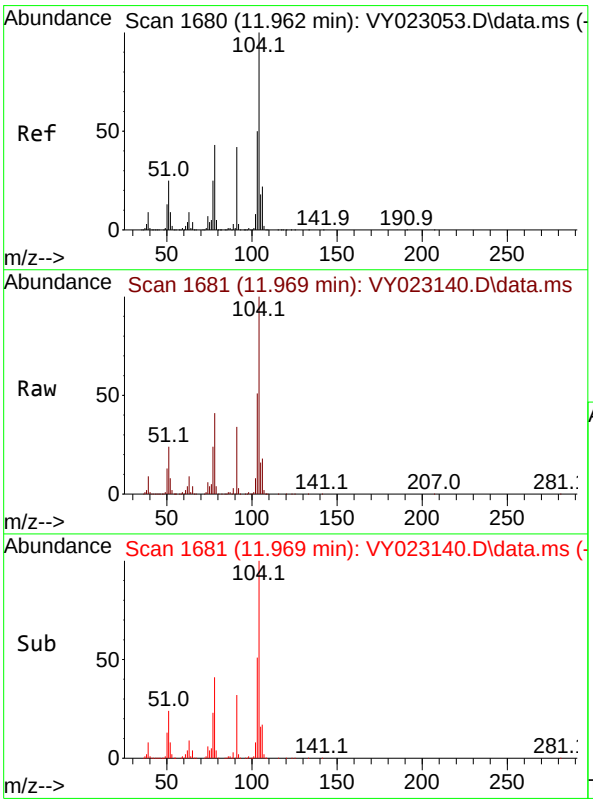
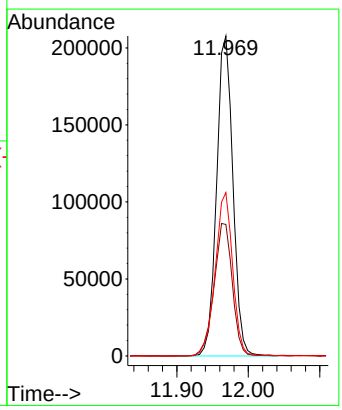
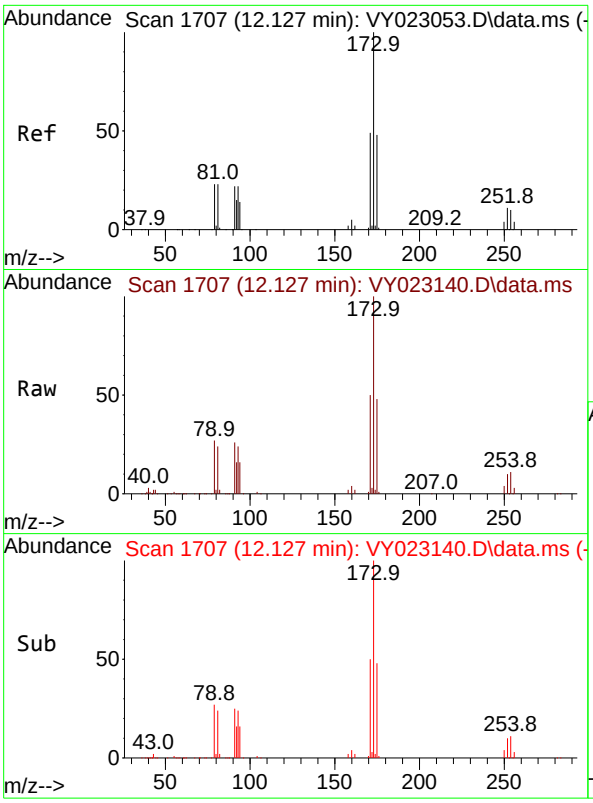


#70
Styrene
Concen: 20.774 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:104 Resp: 328722

Ion	Ratio	Lower	Upper
104	100		
78	46.6	38.5	57.7
103	54.6	43.7	65.5

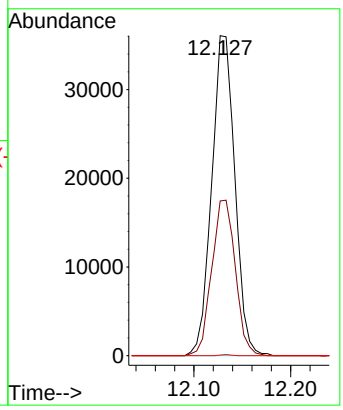




#71
Bromoform
Concen: 19.677 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:173 Resp: 5999

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.9	71.7
254	0.2	0.1	0.1#



Instrument :
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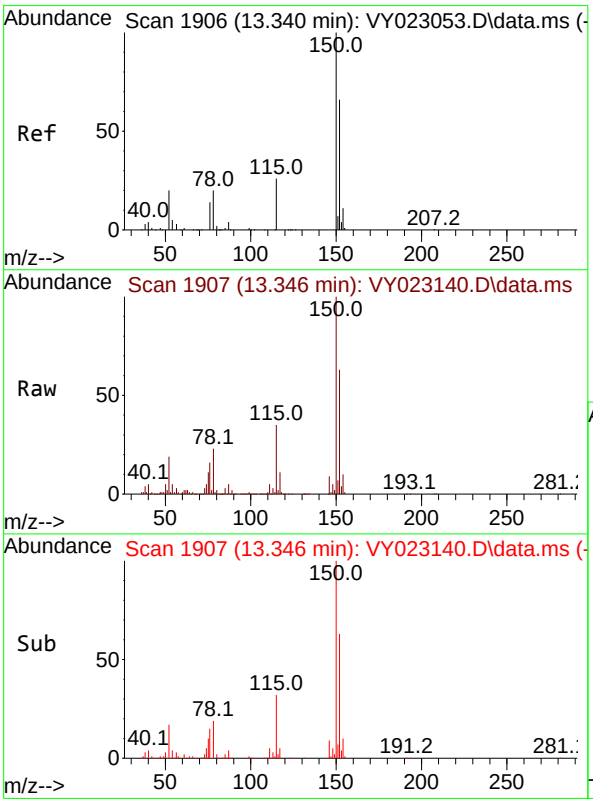
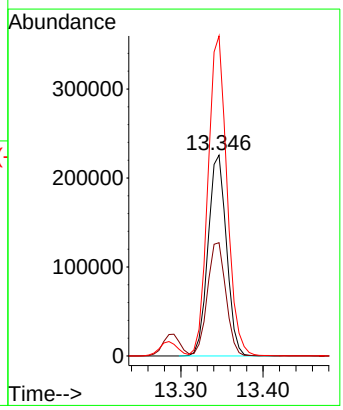
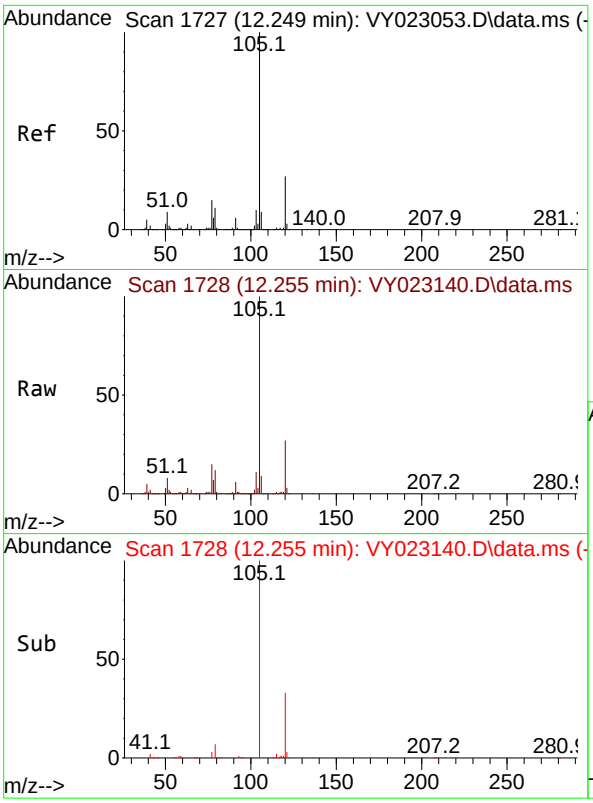


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:152 Resp: 351390

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.2	84.6
150	163.9	0.0	348.0

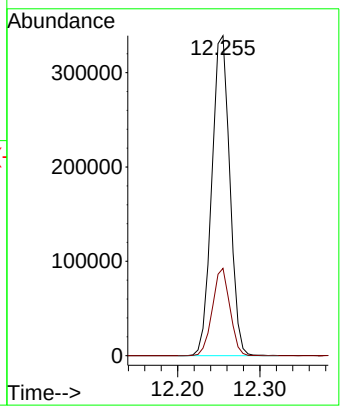




#73
Isopropylbenzene
Concen: 20.772 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:105 Resp: 51516

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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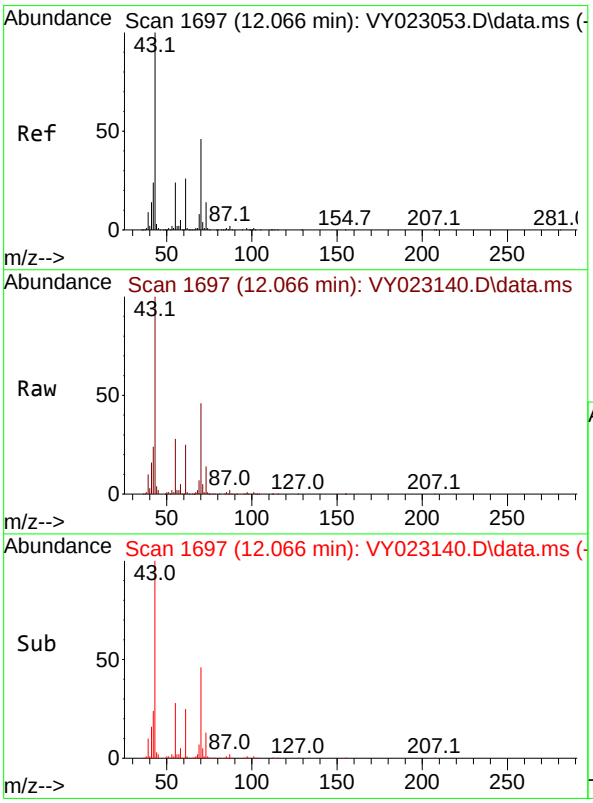
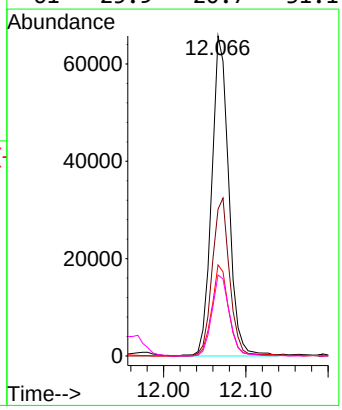
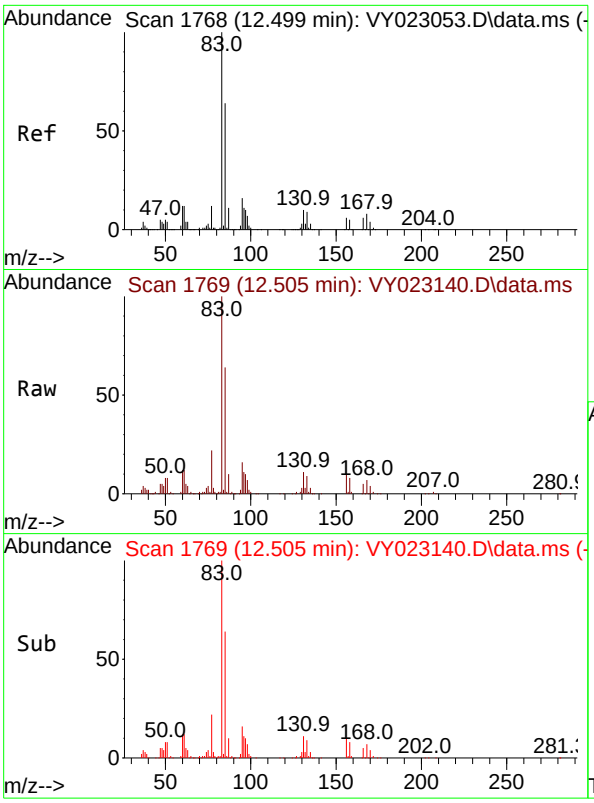


#74
N-amyl acetate
Concen: 18.063 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 95001

Ion	Ratio	Lower	Upper
43	100		
70	50.2	37.5	56.3
55	28.5	20.7	31.1
61	25.9	20.7	31.1

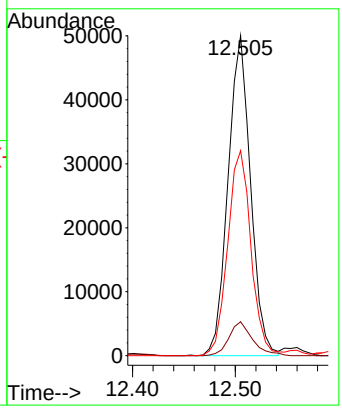




#75
1,1,2,2-Tetrachloroethane
Concen: 17.976 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 83 Resp: 7612

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	66.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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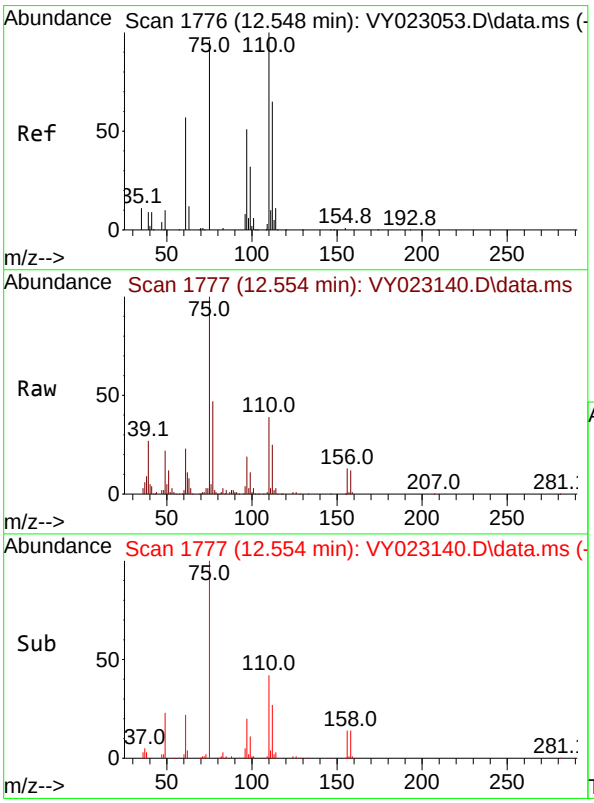
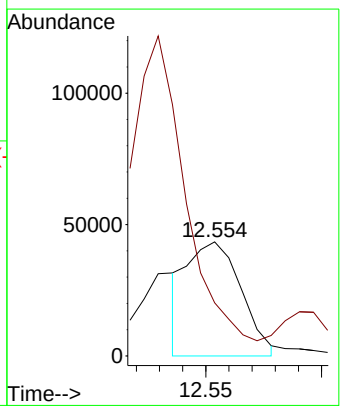
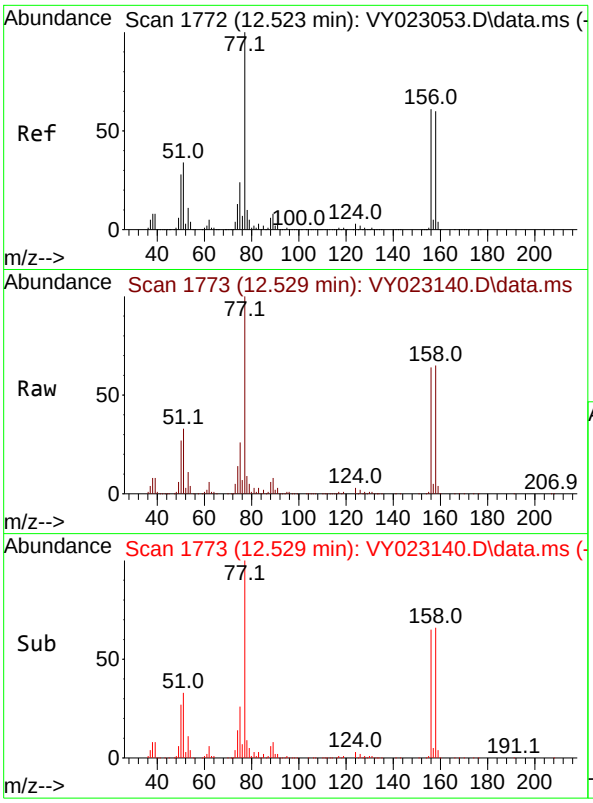


#76
1,2,3-Trichloropropane
Concen: 20.848 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 70701

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

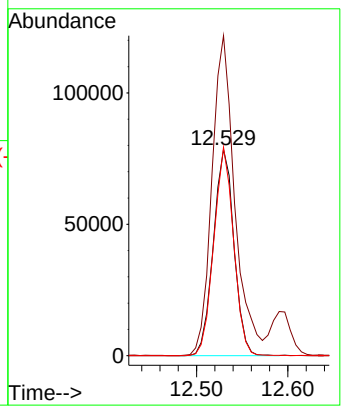




#77
Bromobenzene
Concen: 20.721 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:156 Resp: 12260

Ion	Ratio	Lower	Upper
156	100		
77	172.5	88.1	264.4
158	97.5	48.0	144.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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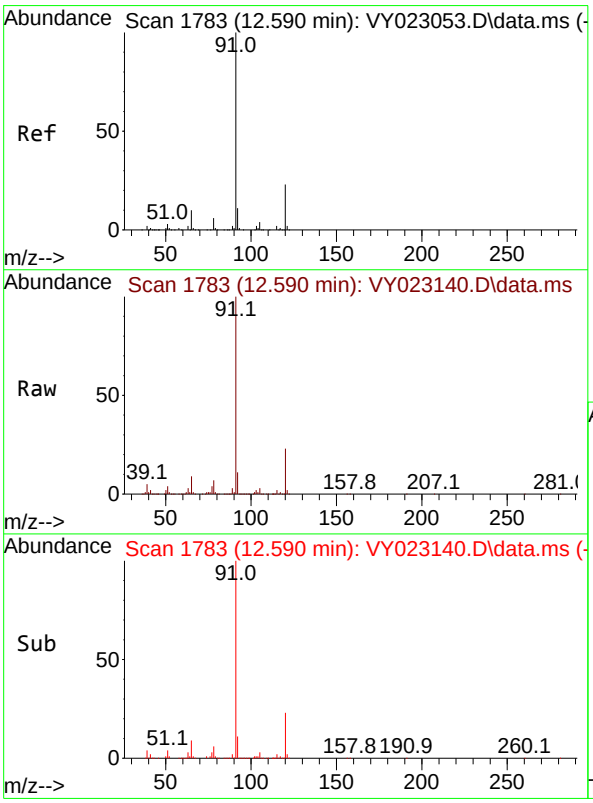
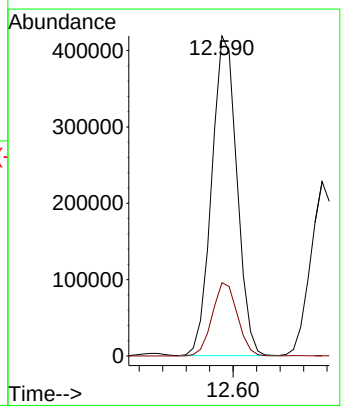
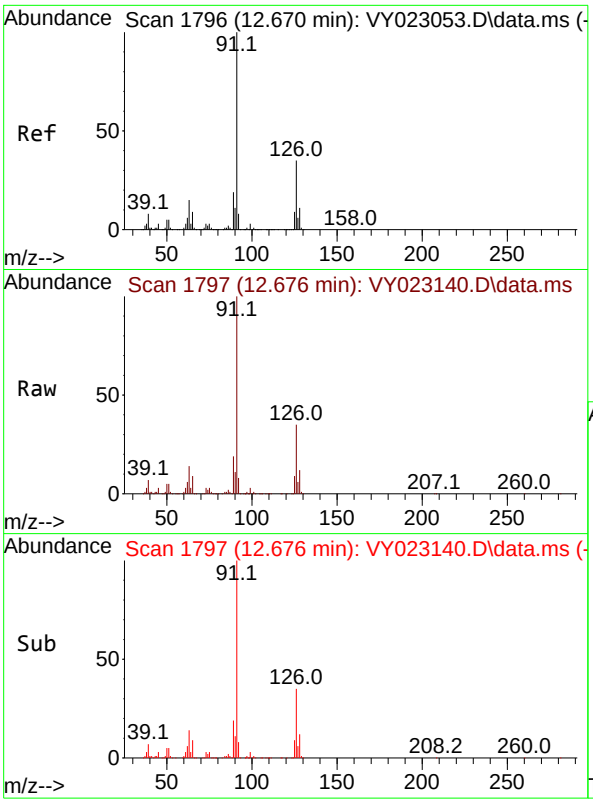


#78
n-propylbenzene
Concen: 21.149 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 624469

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

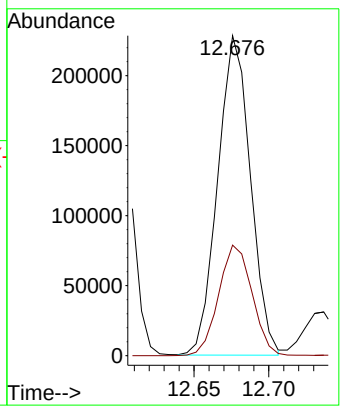




#79
2-Chlorotoluene
Concen: 20.536 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 34742

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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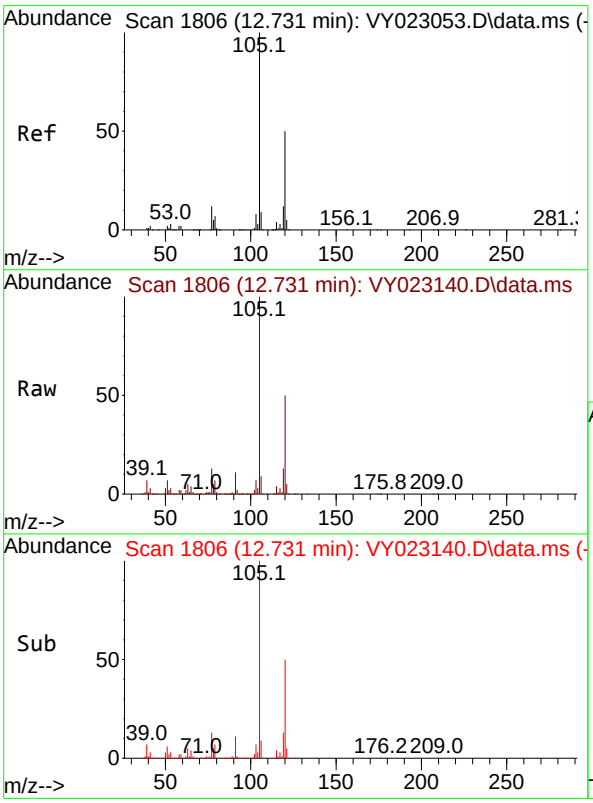
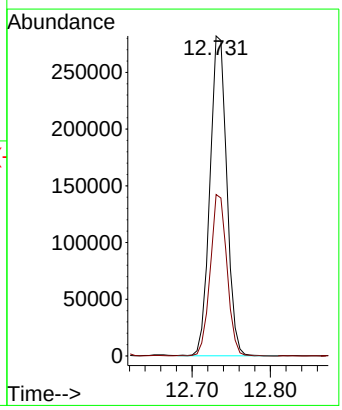
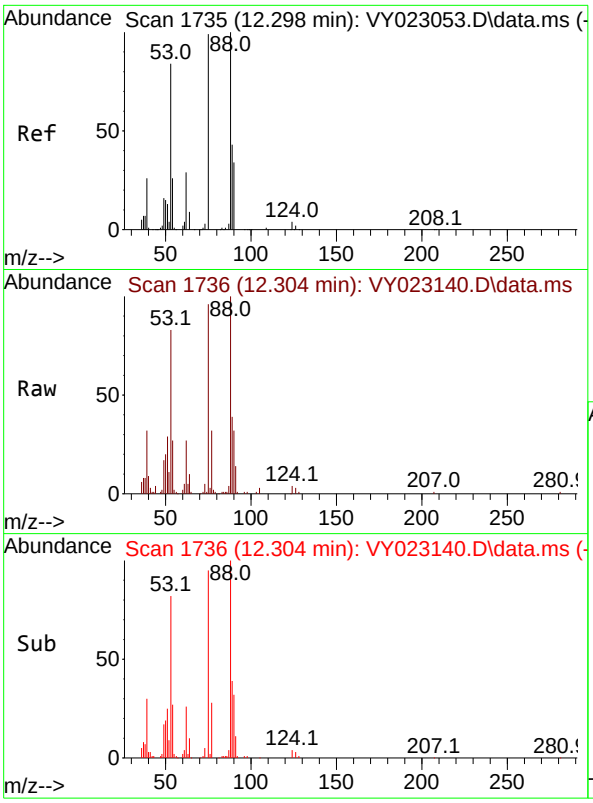


#80
1,3,5-Trimethylbenzene
Concen: 20.922 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:105 Resp: 419347

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 2646

Ion	Ratio	Lower	Upper
75	100		
53	89.5	70.8	106.2
89	46.1	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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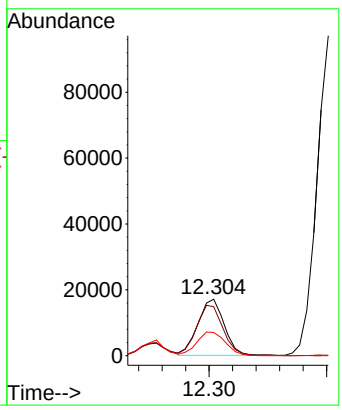
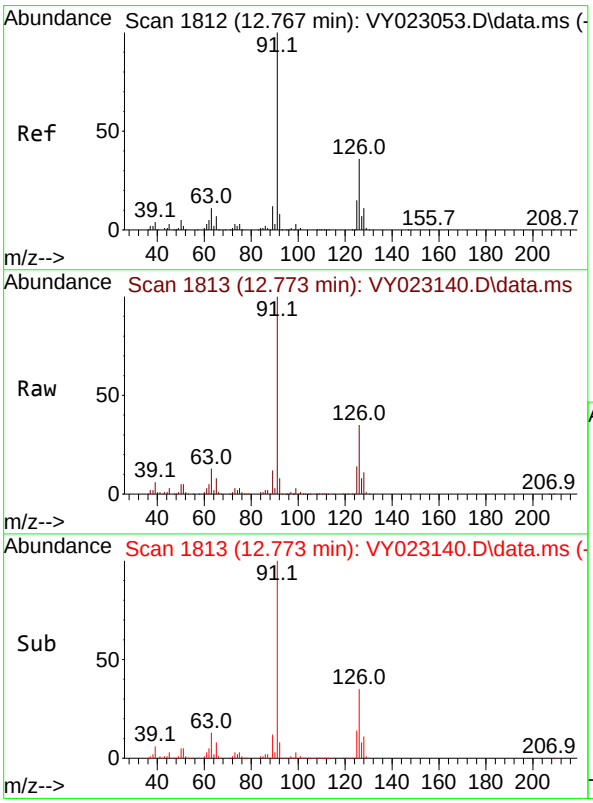
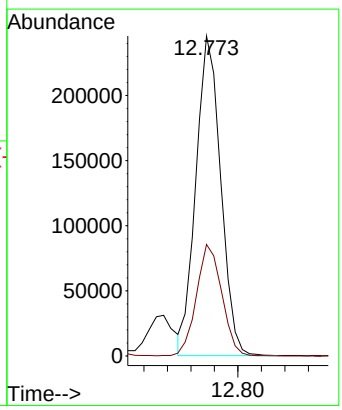


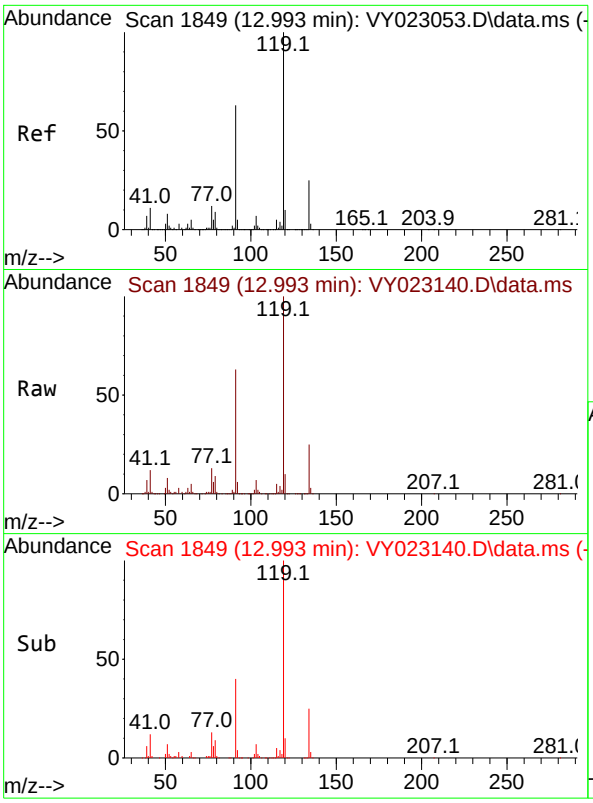


#82
4-Chlorotoluene
Concen: 20.508 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 359924

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.3	52.0

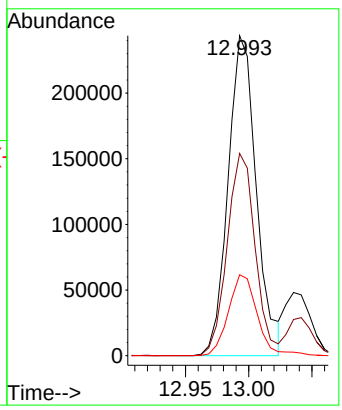




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:119 Resp: 37888

Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.6	94.8
134	25.9	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

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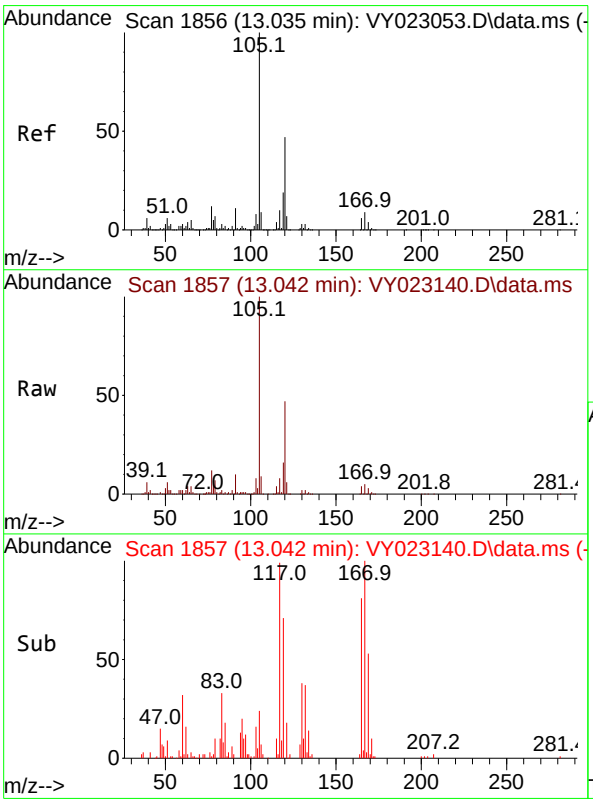
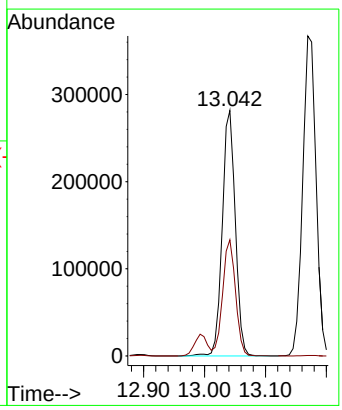
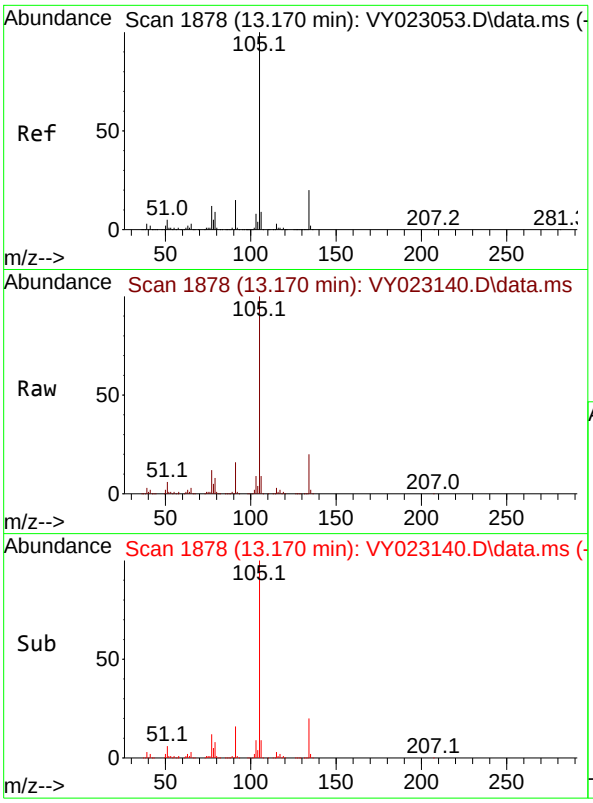


#84
1,2,4-Trimethylbenzene
Concen: 20.959 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:105 Resp: 418193

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0

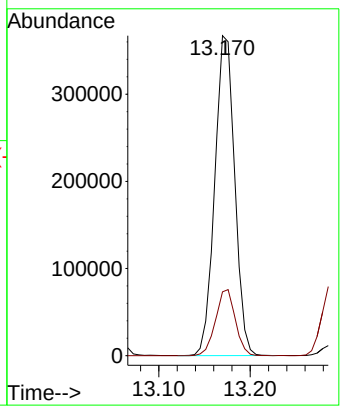




#85
sec-Butylbenzene
Concen: 20.967 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:105 Resp: 55756

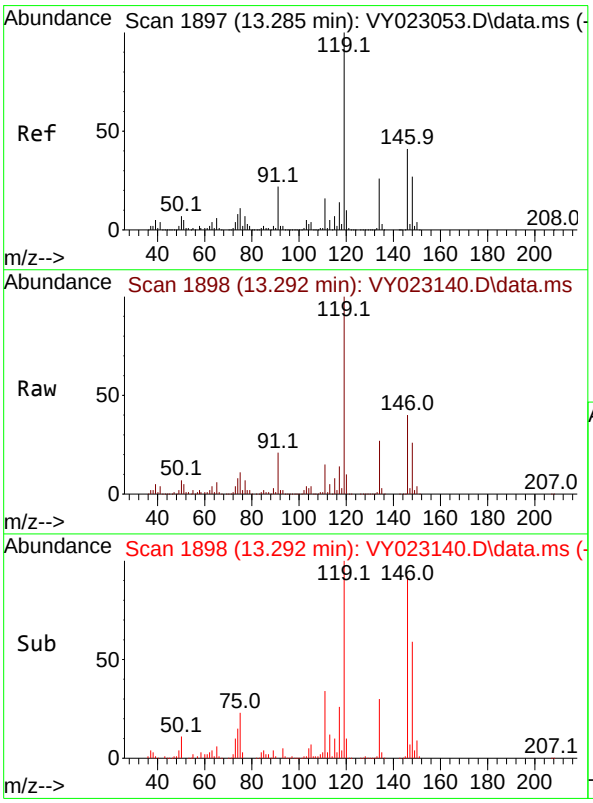
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations
APPROVED

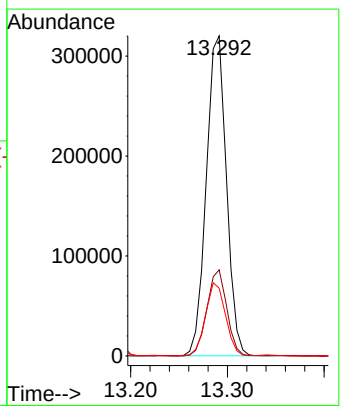
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

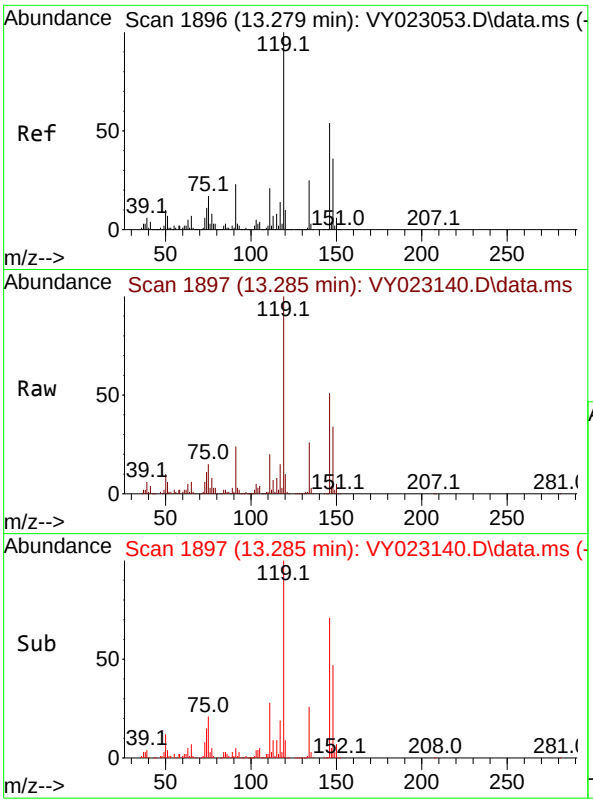


#86
p-Isopropyltoluene
Concen: 21.032 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:119 Resp: 464251

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	22.6	11.3	33.8

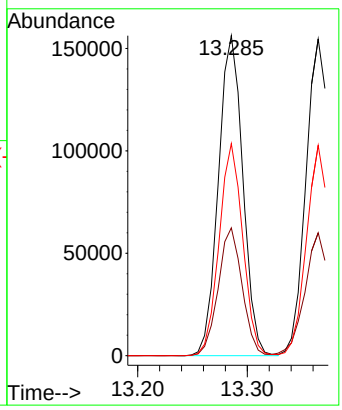




#87
1,3-Dichlorobenzene
Concen: 20.772 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:146 Resp: 24236

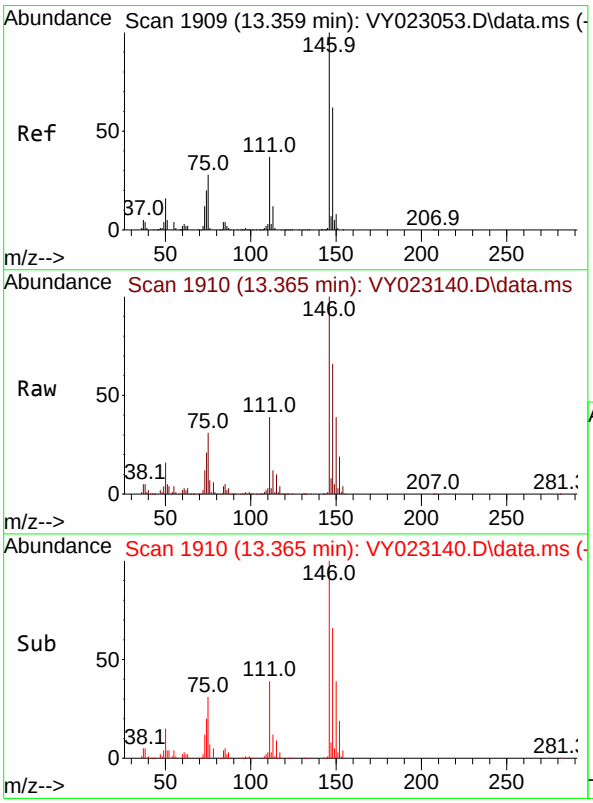
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.0	32.5	97.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations
APPROVED

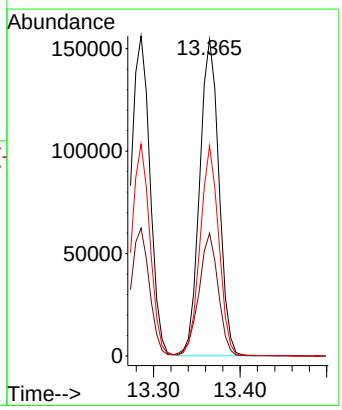
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

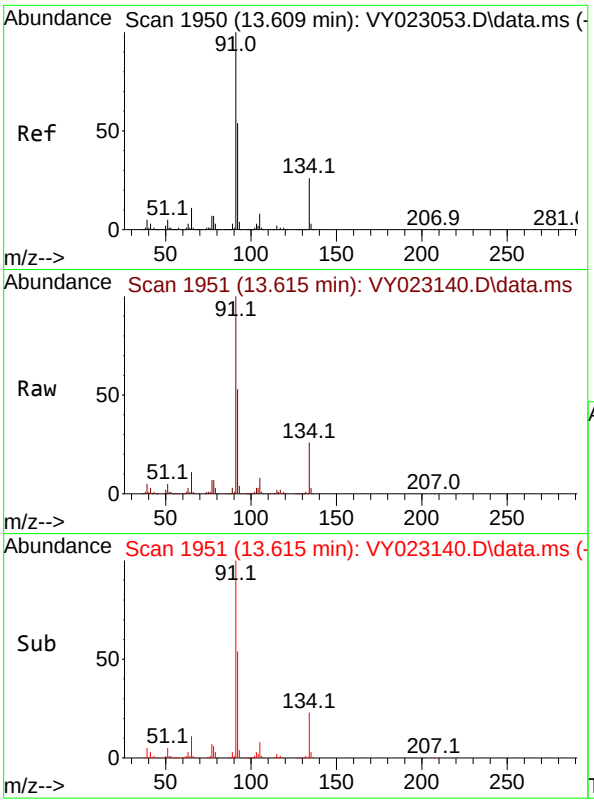


#88
1,4-Dichlorobenzene
Concen: 20.612 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:146 Resp: 238568

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.6	31.6	94.7

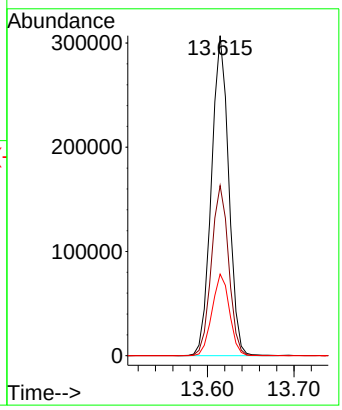




#89
n-Butylbenzene
Concen: 21.027 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 42629

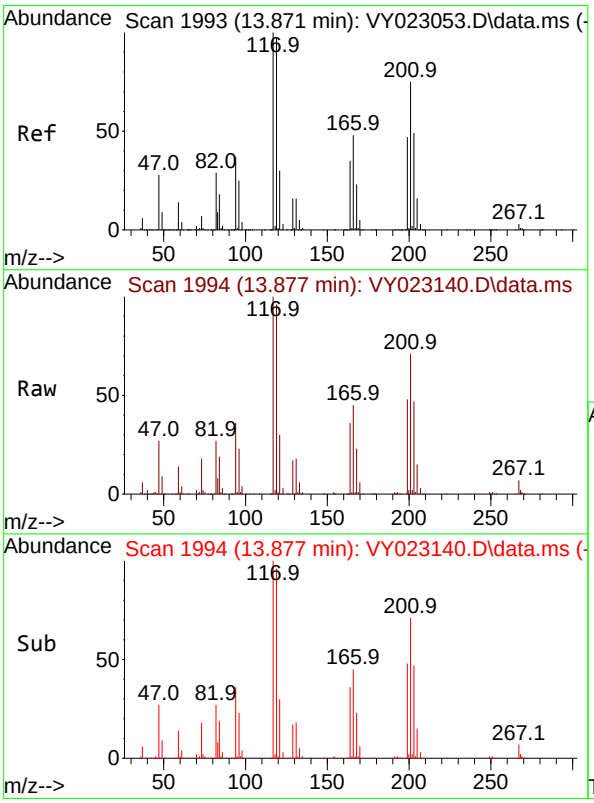
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	25.6	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations
APPROVED

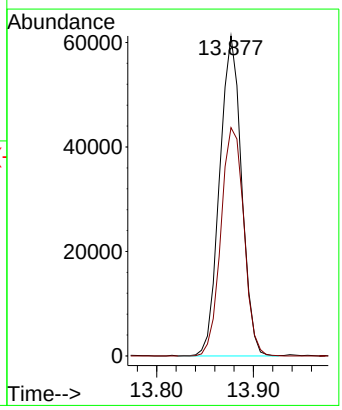
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

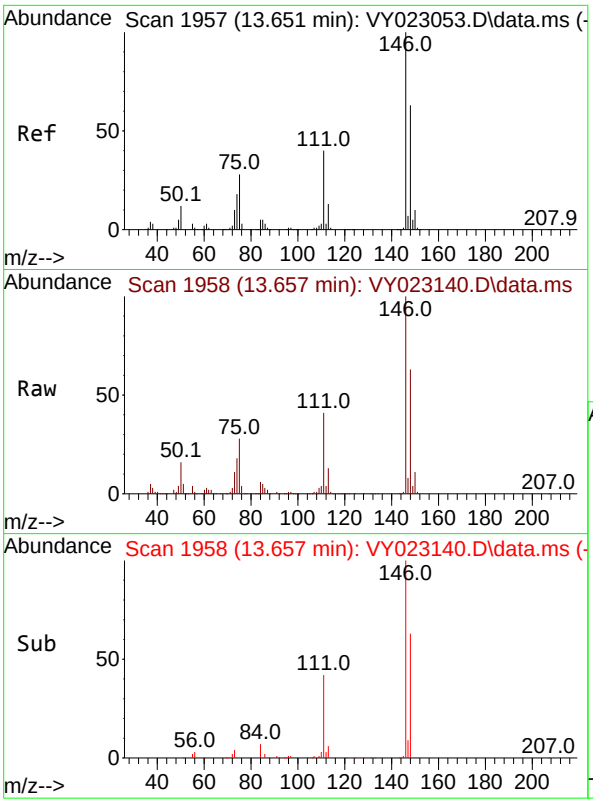


#90
Hexachloroethane
Concen: 21.322 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:117 Resp: 96348

Ion	Ratio	Lower	Upper
117	100		
201	74.5	38.4	115.1

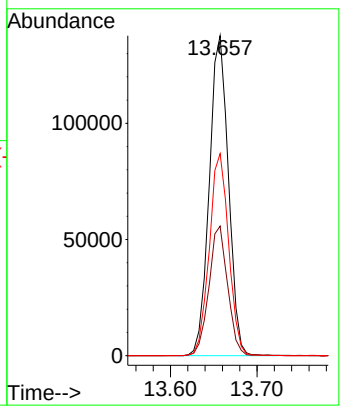




#91
1,2-Dichlorobenzene
Concen: 20.619 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:146 Resp: 21099

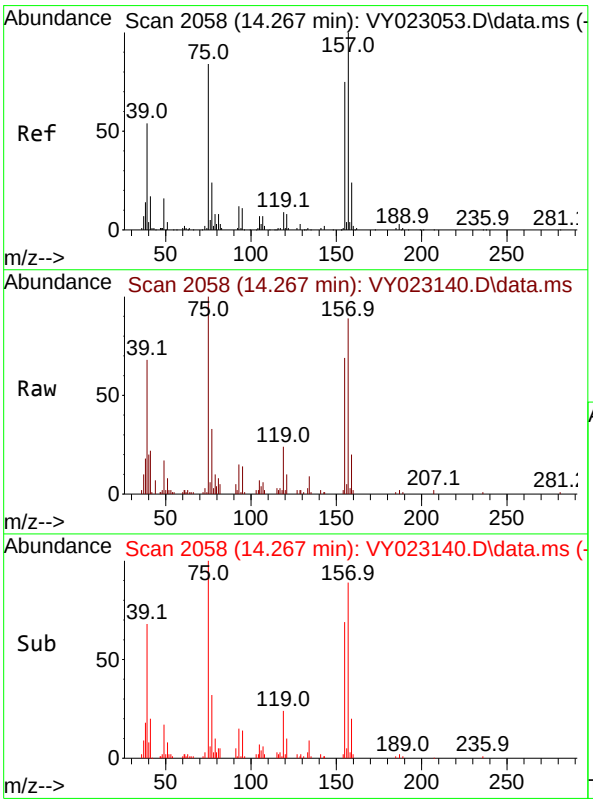
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.0	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations
APPROVED

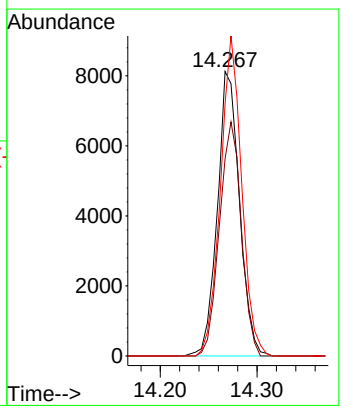
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

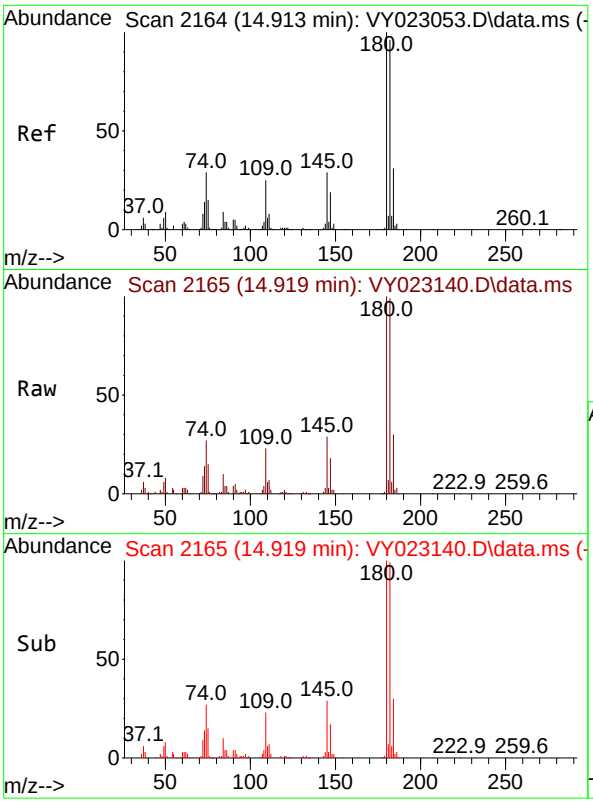


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.529 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 12876

Ion	Ratio	Lower	Upper
75	100		
155	81.1	43.9	131.6
157	107.9	57.2	171.6

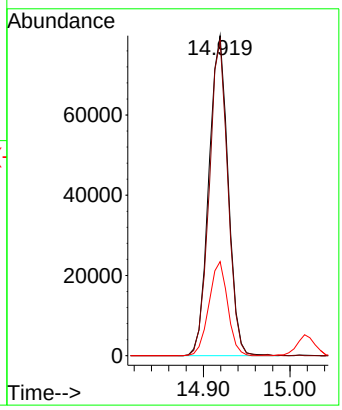




#93
1,2,4-Trichlorobenzene
Concen: 20.300 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:180 Resp: 12284

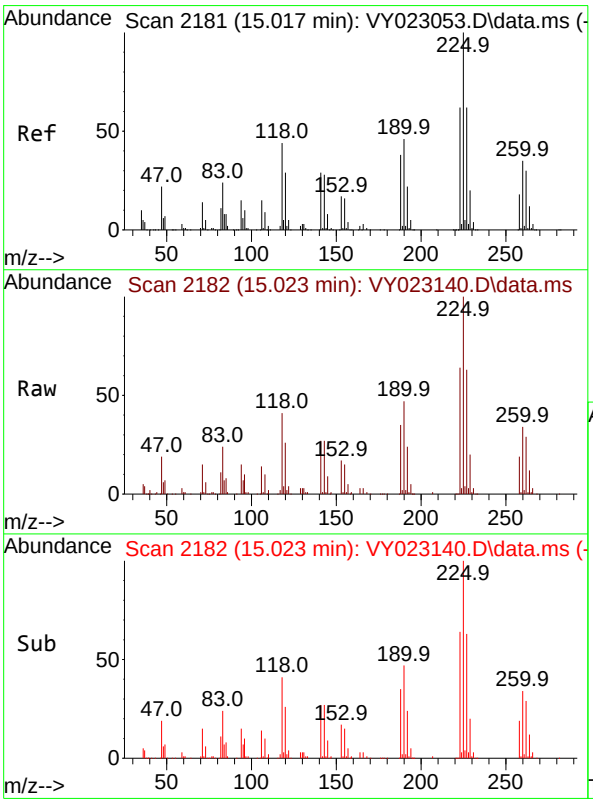
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.4
145	28.7	14.4	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations APPROVED

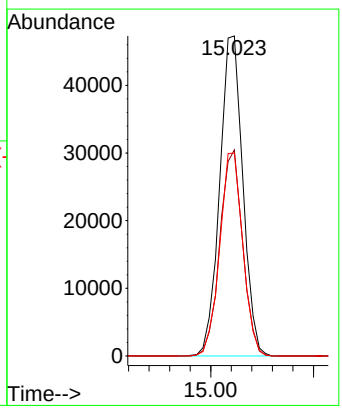
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

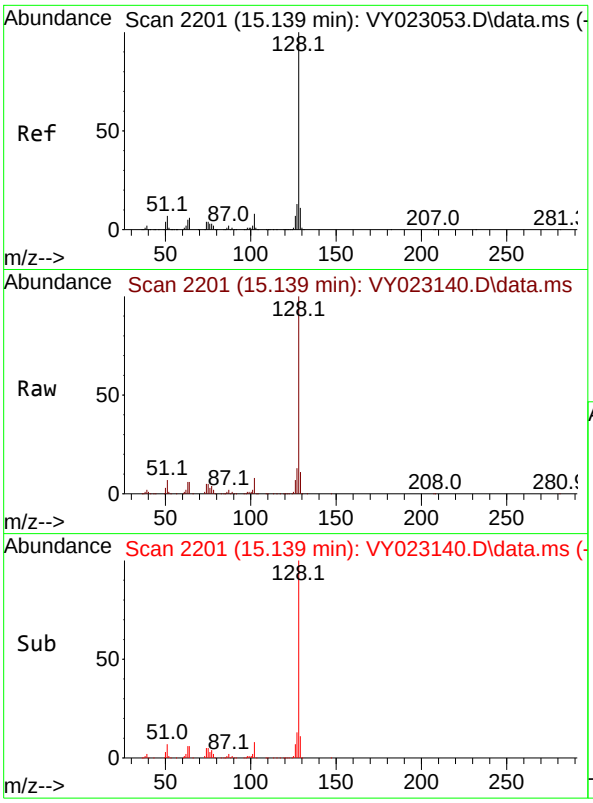


#94
Hexachlorobutadiene
Concen: 20.784 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:225 Resp: 73904

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	63.2	31.5	94.5

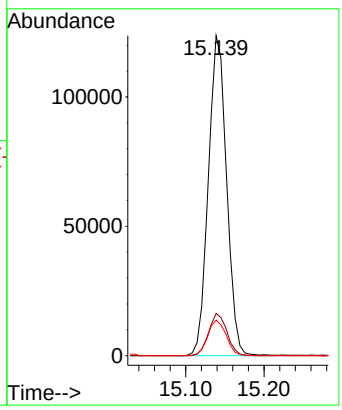




#95
Naphthalene
Concen: 19.402 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:128 Resp: 20019

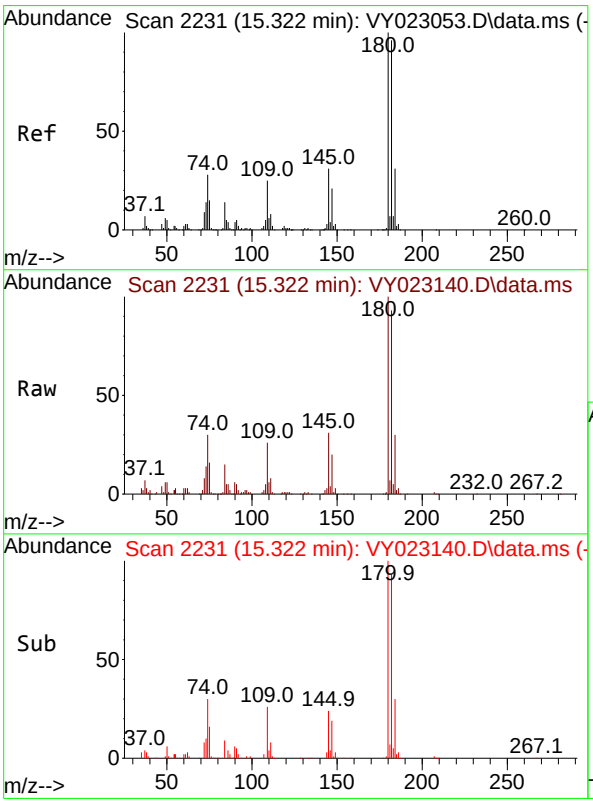
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Manual Integrations
APPROVED

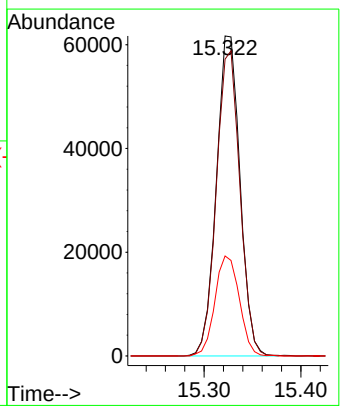
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.037 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:180 Resp: 104481

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	32.2	15.9	47.7



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

Manual Integration Report

Sequence:	VY081225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023050.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC005	VY023050.D	Methacrylonitrile	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC010	VY023051.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:06 PM	SAM	8/14/2025 7:43:57 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	Methacrylonitrile	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICCC050	VY023053.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:10 PM	SAM	8/14/2025 7:44:00 PM	Peak Integrated by Software
VSTDICC100	VY023054.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:12 PM	SAM	8/14/2025 7:44:02 PM	Peak Integrated by Software
VSTDICC150	VY023055.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:15 PM	SAM	8/14/2025 7:44:04 PM	Peak Integrated by Software
VSTDICV050	VY023057.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:16 PM	SAM	8/14/2025 7:44:06 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy081925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023137.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:35 AM	MMDadoda	8/20/2025 9:12:29 AM	Peak Integrated by Software
VSTDCCC050	VY023137.D	Methacrylonitrile	JOHN	8/20/2025 9:04:35 AM	MMDadoda	8/20/2025 9:12:29 AM	Peak Integrated by Software
VY0819SBS01	VY023139.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:39 AM	MMDadoda	8/20/2025 9:12:33 AM	Peak Integrated by Software
VY0819SBS01	VY023139.D	Methacrylonitrile	JOHN	8/20/2025 9:04:39 AM	MMDadoda	8/20/2025 9:12:33 AM	Peak Integrated by Software
VY0819SBSD01	VY023140.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:43 AM	MMDadoda	8/20/2025 9:12:36 AM	Peak Integrated by Software
VY0819SBSD01	VY023140.D	Methacrylonitrile	JOHN	8/20/2025 9:04:43 AM	MMDadoda	8/20/2025 9:12:36 AM	Peak Integrated by Software
VSTDCCC050	VY023160.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:48 AM	MMDadoda	8/20/2025 9:12:40 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY082025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023162.D	1,2,3-Trichloropropane	MMDadoda	8/22/2025 1:16:10 AM	SAM	8/22/2025 1:19:38 AM	Peak Integrated by Software
VY0820SBS01	VY023164.D	1,2,3-Trichloropropane	MMDadoda	8/22/2025 1:16:13 AM	SAM	8/22/2025 1:19:40 AM	Peak Integrated by Software
VSTDCCC050	VY023181.D	1,2,3-Trichloropropane	MMDadoda	8/22/2025 1:16:17 AM	SAM	8/22/2025 1:19:45 AM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM				
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023048.D	12 Aug 2025 08:26	SY/MD	Ok
2	VSTDICC005	VY023049.D	12 Aug 2025 14:32	SY/MD	Not Ok
3	VSTDICC005	VY023050.D	12 Aug 2025 14:54	SY/MD	Ok,M
4	VSTDICC010	VY023051.D	12 Aug 2025 15:17	SY/MD	Ok,M
5	VSTDICC020	VY023052.D	12 Aug 2025 15:40	SY/MD	Ok,M
6	VSTDICCC050	VY023053.D	12 Aug 2025 16:02	SY/MD	Ok,M
7	VSTDICC100	VY023054.D	12 Aug 2025 16:25	SY/MD	Ok,M
8	VSTDICC150	VY023055.D	12 Aug 2025 16:47	SY/MD	Ok,M
9	VIBLK	VY023056.D	12 Aug 2025 17:31	SY/MD	Ok
10	VSTDICV050	VY023057.D	12 Aug 2025 17:53	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM				
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135166
Initial Calibration Stds	
CCC	VP135167,VP135168
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	VY023136.D	19 Aug 2025 07:45	SY/MD	Ok
2	VSTDCCC050	VY023137.D	19 Aug 2025 09:11	SY/MD	Ok,M
3	VY0819SBL01	VY023138.D	19 Aug 2025 09:49	SY/MD	Ok
4	VY0819SBS01	VY023139.D	19 Aug 2025 10:19	SY/MD	Ok,M
5	VY0819SBSD01	VY023140.D	19 Aug 2025 10:42	SY/MD	Ok,M
6	Q2820-01	VY023141.D	19 Aug 2025 11:20	SY/MD	Ok
7	Q2820-15	VY023142.D	19 Aug 2025 11:44	SY/MD	Ok
8	Q2820-23	VY023143.D	19 Aug 2025 12:07	SY/MD	Ok
9	Q2819-20	VY023144.D	19 Aug 2025 12:31	SY/MD	Ok
10	Q2870-01	VY023145.D	19 Aug 2025 12:54	SY/MD	Not Ok
11	Q2871-04RE	VY023146.D	19 Aug 2025 13:18	SY/MD	Confirms
12	Q2872-01RE	VY023147.D	19 Aug 2025 13:41	SY/MD	Confirms
13	Q2879-01	VY023148.D	19 Aug 2025 14:04	SY/MD	Ok
14	Q2879-03	VY023149.D	19 Aug 2025 14:28	SY/MD	ReRun
15	Q2879-05	VY023150.D	19 Aug 2025 14:51	SY/MD	ReRun
16	Q2879-07	VY023151.D	19 Aug 2025 15:15	SY/MD	Ok
17	Q2879-09	VY023152.D	19 Aug 2025 15:38	SY/MD	ReRun
18	Q2879-11	VY023153.D	19 Aug 2025 16:02	SY/MD	ReRun
19	Q2879-13	VY023154.D	19 Aug 2025 16:25	SY/MD	ReRun
20	Q2879-15	VY023155.D	19 Aug 2025 16:49	SY/MD	ReRun
21	Q2879-17	VY023156.D	19 Aug 2025 17:12	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM				
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135166
Initial Calibration Stds	
CCC	VP135167,VP135168
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2897-01	VY023157.D	19 Aug 2025 17:36	SY/MD	ReRun
23	Q2889-01	VY023158.D	19 Aug 2025 17:59	SY/MD	Ok
24	Q2888-01	VY023159.D	19 Aug 2025 18:22	SY/MD	Ok
25	VSTDCCC050	VY023160.D	19 Aug 2025 19:08	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY082025

Review By	Mahesh Dadoda	Review On	8/22/2025 1:16:38 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/22/2025 1:19:57 AM				
SubDirectory	VY082025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135184
Initial Calibration Stds	
CCC	VP135185,VP135186
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	VY023161.D	20 Aug 2025 07:55	SY/MD	Ok
2	VSTDCCC050	VY023162.D	20 Aug 2025 09:26	SY/MD	Ok,M
3	VY0820SBL01	VY023163.D	20 Aug 2025 09:55	SY/MD	Ok
4	VY0820SBS01	VY023164.D	20 Aug 2025 10:24	SY/MD	Ok,M
5	VY0820SBSD01	VY023165.D	20 Aug 2025 10:47	SY/MD	Ok,M
6	Q2879-03	VY023166.D	20 Aug 2025 11:27	SY/MD	Ok
7	Q2879-05	VY023167.D	20 Aug 2025 11:50	SY/MD	Ok
8	Q2879-09	VY023168.D	20 Aug 2025 12:14	SY/MD	Ok
9	Q2879-11	VY023169.D	20 Aug 2025 12:37	SY/MD	Ok
10	Q2879-13	VY023170.D	20 Aug 2025 13:01	SY/MD	Ok
11	Q2879-15	VY023171.D	20 Aug 2025 13:24	SY/MD	Ok
12	Q2879-17RE	VY023172.D	20 Aug 2025 13:48	SY/MD	Confirms
13	Q2897-01RE	VY023173.D	20 Aug 2025 14:11	SY/MD	Confirms
14	Q2892-01	VY023174.D	20 Aug 2025 14:35	SY/MD	Ok
15	Q2892-03	VY023175.D	20 Aug 2025 14:58	SY/MD	Ok
16	Q2892-05	VY023176.D	20 Aug 2025 15:21	SY/MD	Ok
17	Q2892-07	VY023177.D	20 Aug 2025 15:45	SY/MD	Ok
18	Q2892-09	VY023178.D	20 Aug 2025 16:08	SY/MD	Ok
19	Q2892-11	VY023179.D	20 Aug 2025 16:32	SY/MD	Ok
20	VIBLK	VY023180.D	20 Aug 2025 16:55	SY/MD	Ok
21	VSTDCCC050	VY023181.D	20 Aug 2025 17:41	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM		
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023048.D	12 Aug 2025 08:26		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023049.D	12 Aug 2025 14:32	Not used	SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY023050.D	12 Aug 2025 14:54		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY023051.D	12 Aug 2025 15:17		SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY023052.D	12 Aug 2025 15:40	LR-20	SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY023053.D	12 Aug 2025 16:02		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY023054.D	12 Aug 2025 16:25		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY023055.D	12 Aug 2025 16:47		SY/MD	Ok,M
9	VIBLK	VIBLK	VY023056.D	12 Aug 2025 17:31		SY/MD	Ok
10	VSTDICV050	ICVVY081225	VY023057.D	12 Aug 2025 17:53		SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM		
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135166
Initial Calibration Stds	
CCC	VP135167,VP135168
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	VY023136.D	19 Aug 2025 07:45		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023137.D	19 Aug 2025 09:11		SY/MD	Ok,M
3	VY0819SBL01	VY0819SBL01	VY023138.D	19 Aug 2025 09:49		SY/MD	Ok
4	VY0819SBS01	VY0819SBS01	VY023139.D	19 Aug 2025 10:19		SY/MD	Ok,M
5	VY0819SBSD01	VY0819SBSD01	VY023140.D	19 Aug 2025 10:42		SY/MD	Ok,M
6	Q2820-01	82H-S	VY023141.D	19 Aug 2025 11:20	vial-B	SY/MD	Ok
7	Q2820-15	10P-S	VY023142.D	19 Aug 2025 11:44	vial-B	SY/MD	Ok
8	Q2820-23	22M-E	VY023143.D	19 Aug 2025 12:07	vial-B	SY/MD	Ok
9	Q2819-20	82H-E	VY023144.D	19 Aug 2025 12:31	vial-B	SY/MD	Ok
10	Q2870-01	DRILL CUTTING 1-5 C	VY023145.D	19 Aug 2025 12:54	vial-B Not Purge	SY/MD	Not Ok
11	Q2871-04RE	DRILL CUTTING 4-6 C	VY023146.D	19 Aug 2025 13:18	vial-B Internal Standard Fail	SY/MD	Confirms
12	Q2872-01RE	DRILL CUTTING 1-2 C	VY023147.D	19 Aug 2025 13:41	vial-B Internal Standard Fail	SY/MD	Confirms
13	Q2879-01	OU4-TS-GRILLO-TSCF	VY023148.D	19 Aug 2025 14:04	vial-A	SY/MD	Ok
14	Q2879-03	OU4-TS-GRILLO-TSCF	VY023149.D	19 Aug 2025 14:28	vial-A Surrogate fail	SY/MD	ReRun
15	Q2879-05	OU4-TS-GRILLO-TSCF	VY023150.D	19 Aug 2025 14:51	vial-A Surrogate fail	SY/MD	ReRun
16	Q2879-07	OU4-TS-GRILLO-TSCF	VY023151.D	19 Aug 2025 15:15	vial-A	SY/MD	Ok
17	Q2879-09	OU4-TS-GRILLO-TSCF	VY023152.D	19 Aug 2025 15:38	vial-A Surrogate fail	SY/MD	ReRun
18	Q2879-11	OU4-TS-GRILLO-TSCF	VY023153.D	19 Aug 2025 16:02	vial-A Surrogate fail	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM		
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135166
Initial Calibration Stds	
CCC	VP135167,VP135168
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2879-13	OU4-TS-GRILLO-TSCF	VY023154.D	19 Aug 2025 16:25	vial-A Surrogate fail	SY/MD	ReRun
20	Q2879-15	OU4-TS-GRILLO-TSCF	VY023155.D	19 Aug 2025 16:49	vial-A Surrogate fail	SY/MD	ReRun
21	Q2879-17	OU4-TS-GRILLO-TSCF	VY023156.D	19 Aug 2025 17:12	vial-A Surrogate fail	SY/MD	ReRun
22	Q2897-01	HD-02-08182025	VY023157.D	19 Aug 2025 17:36	vial-A Internal Standard Fail	SY/MD	ReRun
23	Q2889-01	PL-02-081525	VY023158.D	19 Aug 2025 17:59	vial-A	SY/MD	Ok
24	Q2888-01	VNJ-210	VY023159.D	19 Aug 2025 18:22	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY023160.D	19 Aug 2025 19:08		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY082025

Review By	Mahesh Dadoda	Review On	8/22/2025 1:16:38 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/22/2025 1:19:57 AM		
SubDirectory	VY082025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135184
Initial Calibration Stds	
CCC	VP135185,VP135186
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	VY023161.D	20 Aug 2025 07:55		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023162.D	20 Aug 2025 09:26		SY/MD	Ok,M
3	VY0820SBL01	VY0820SBL01	VY023163.D	20 Aug 2025 09:55		SY/MD	Ok
4	VY0820SBS01	VY0820SBS01	VY023164.D	20 Aug 2025 10:24		SY/MD	Ok,M
5	VY0820SBSD01	VY0820SBSD01	VY023165.D	20 Aug 2025 10:47		SY/MD	Ok,M
6	Q2879-03	OU4-TS-GRILLO-TSCF	VY023166.D	20 Aug 2025 11:27	vial-B	SY/MD	Ok
7	Q2879-05	OU4-TS-GRILLO-TSCF	VY023167.D	20 Aug 2025 11:50	vial-B	SY/MD	Ok
8	Q2879-09	OU4-TS-GRILLO-TSCF	VY023168.D	20 Aug 2025 12:14	vial-B	SY/MD	Ok
9	Q2879-11	OU4-TS-GRILLO-TSCF	VY023169.D	20 Aug 2025 12:37	vial-B	SY/MD	Ok
10	Q2879-13	OU4-TS-GRILLO-TSCF	VY023170.D	20 Aug 2025 13:01	vial-B	SY/MD	Ok
11	Q2879-15	OU4-TS-GRILLO-TSCF	VY023171.D	20 Aug 2025 13:24	vial-B	SY/MD	Ok
12	Q2879-17RE	OU4-TS-GRILLO-TSCF	VY023172.D	20 Aug 2025 13:48	vial-B Internal standard fail;Surrogate fail	SY/MD	Confirms
13	Q2897-01RE	HD-02-08182025RE	VY023173.D	20 Aug 2025 14:11	vial-B Internal standard fail;Surrogate fail	SY/MD	Confirms
14	Q2892-01	1-FLOOR-NORTH-EAS	VY023174.D	20 Aug 2025 14:35	vial-A	SY/MD	Ok
15	Q2892-03	1-FLOOR-DRILL-B-BA	VY023175.D	20 Aug 2025 14:58	vial-A	SY/MD	Ok
16	Q2892-05	BACK-1-FLOOR-CENT	VY023176.D	20 Aug 2025 15:21	vial-A	SY/MD	Ok
17	Q2892-07	3-FLOOR-NORTH-D	VY023177.D	20 Aug 2025 15:45	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY082025

Review By	Mahesh Dadoda	Review On	8/22/2025 1:16:38 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/22/2025 1:19:57 AM		
SubDirectory	VY082025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135184
Initial Calibration Stds	
CCC	VP135185,VP135186
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2892-09	3-FLOOR-SOUTH-E	VY023178.D	20 Aug 2025 16:08	vial-A	SY/MD	Ok
19	Q2892-11	FRONT-1-FLOOR-F	VY023179.D	20 Aug 2025 16:32	vial-A	SY/MD	Ok
20	VIBLK	VIBLK	VY023180.D	20 Aug 2025 16:55		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY023181.D	20 Aug 2025 17:41		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/18/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136842

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
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	1	1.18	10.28	11.46	10.34	89.1	
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	2	1.18	10.24	11.42	10.1	87.1	
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	3	1.16	10.04	11.2	10.51	93.1	
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	4	1.17	10.46	11.63	10.67	90.8	
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	5	1.18	10.09	11.27	10.61	93.5	
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	6	1.16	10.83	11.99	11.05	91.3	
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	7	1.18	10.47	11.65	10.9	92.8	
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	8	1.19	10.58	11.77	10.85	91.3	
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	9	1.12	10.76	11.88	9.4	77.0	
Q2880-05	SVOC-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2880-06	PEST-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2880-07	PEST-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2880-08	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2880-09	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2880-10	PEST -GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2883-01	RBR2520553	16	1.15	10.43	11.58	10.48	89.5	
Q2883-02	RBR2520553-E2	17	1.14	10.75	11.89	10.77	89.6	
Q2884-01	VNJ-232	18	1.12	10.11	11.23	10.8	95.7	
Q2884-02	VNJ-232	19	1.19	10.39	11.58	11.15	95.9	
Q2884-03	302	20	1.19	10.34	11.53	10.6	91.0	
Q2888-01	VNJ-210	21	1.18	10.04	11.22	10.71	94.9	
Q2889-01	PL-02-081525-	22	1.14	10.22	11.36	10.67	93.2	
Q2889-02	EO-02-081525-E2	23	1.19	10.42	11.61	10.68	91.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 136842

WorkList Name : %1-081525 **WorkList ID :** 191293 **Department :** Wet-Chemistry **Date :** 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2880-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2883-01	RBR2520553	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2883-02	RBR2520553-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2884-01	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-02	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-03	302	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2888-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 08/15/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB16842

WorkList Name : %1-081525 **WorkList ID :** 191293 **Department :** Wet-Chemistry **Date :** 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2889-01	PL-02-081525-	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO
Q2889-02	EO-02-081525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 08/15/25 17:35
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 : Q2879

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: vy081925,VY082025,

Standard ID :
VP133934,VP134147,VP134149,VP134150,VP134934,VP134957,VP135059,VP135060,VP135129,VP135130,VP135166,VP135167,VP135168,VP135184,VP135185,VP135186,

Chemical ID :
V13391,V14290,V14444,V14446,V14507,V14508,V14529,V14530,V14625,V14636,V14637,V14638,V14639,V14673,V14702,V14705,V14716,V14745,V14751,V14806,V14807,V14843,V14906,V14921,V14929,V15057,V15058,V15059,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = 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
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135059	08/11/2025	09/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14444 + 1.00000ml of V14446 + 1.00000ml of V14507 + 1.00000ml of V14508 + 1.00000ml of V14529 + 1.00000ml of V14530 + 1.00000ml of V14705 + 1.00000ml of V14745 + 1.00000ml of V14751 + 1.00000ml of V14806 + 1.00000ml of V14807 + 1.50000ml of V14702 + 1.50000ml of V14716 + 10.60000ml of V14625 = 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	VP135060	08/11/2025	09/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 5.62500ml of V14625 + 9.37500ml of VP135059 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135129	08/14/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 1.00000ml of V15059 + 1.50000ml of V15057 + 1.50000ml of V15058 + 21.00000ml of V14625 = 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	VP135130	08/14/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 5.62500ml of V14625 + 9.37500ml of VP135129 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP135166	08/19/2025	08/20/2025	Amit Patel	None	None	Mahesh Dadoda 08/20/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = 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	VP135167	08/19/2025	08/20/2025	Amit Patel	None	None	Mahesh Dadoda 08/20/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 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	VP135168	08/19/2025	08/20/2025	Amit Patel	None	None	Mahesh Dadoda 08/20/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP135184	08/20/2025	08/21/2025	Amit Patel	None	None	Mahesh Dadoda 08/22/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = 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	VP135185	08/20/2025	08/21/2025	Amit Patel	None	None	Mahesh Dadoda 08/22/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135186	08/20/2025	08/21/2025	Amit Patel	None	None	Mahesh Dadoda 08/22/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 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 #
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	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14444

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	08/08/2025 / SAM	08/15/2024 / SAM	V14446

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	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14507

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	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14508

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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.	95319 / Revised Additions Mix (Min = 5)	091724	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14529

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	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14530

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	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14702

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14705

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14716

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14745

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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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14751

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	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14806

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	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14807

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 #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

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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)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15058

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15059

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

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

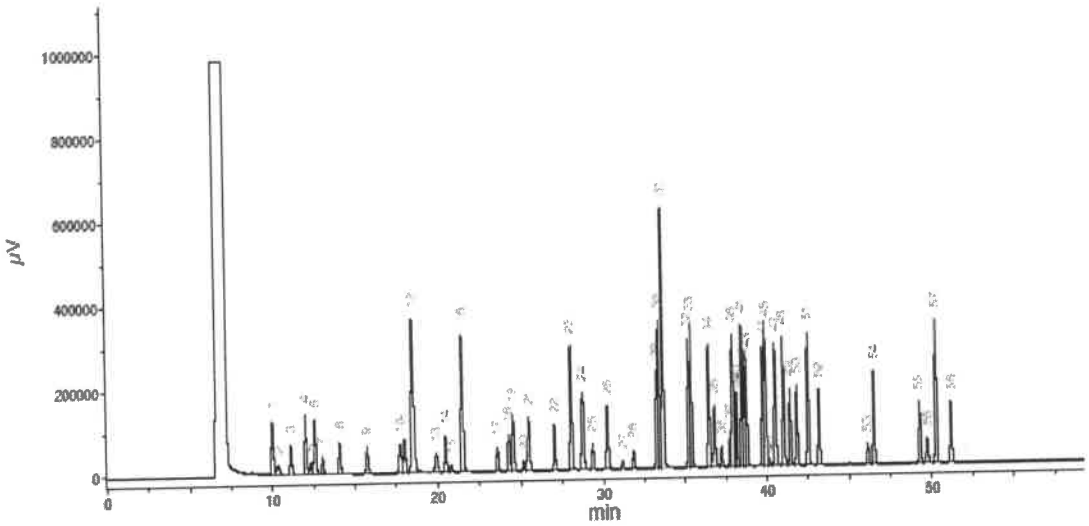
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.21
33	Styrene	35.30
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	41.23
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty (5E-05 Balance Uncertainty)

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

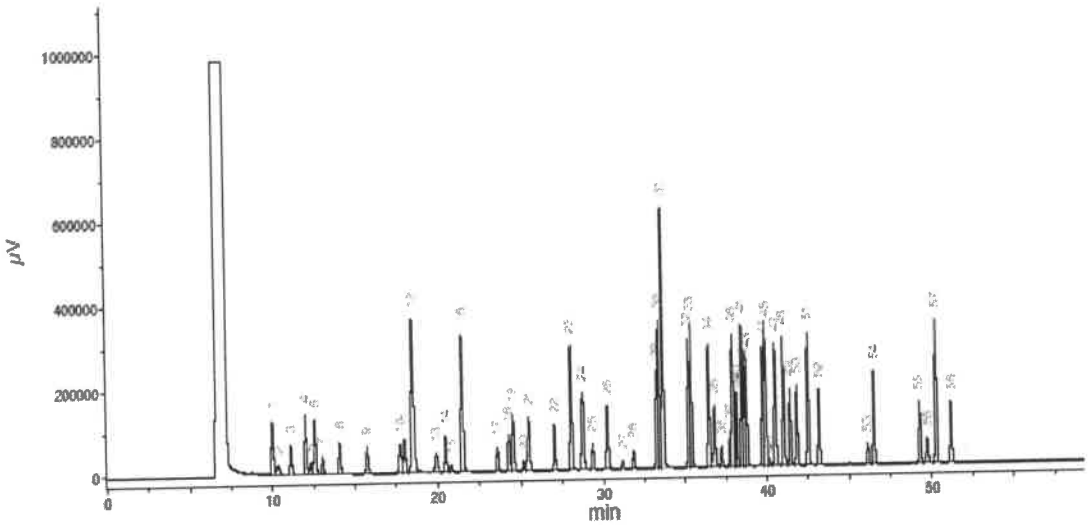
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

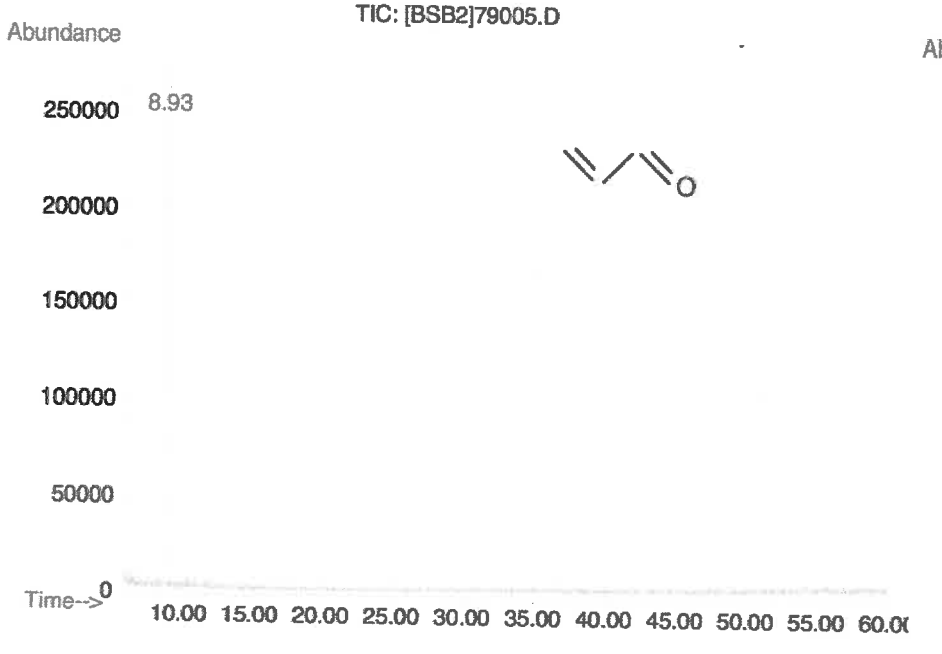
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

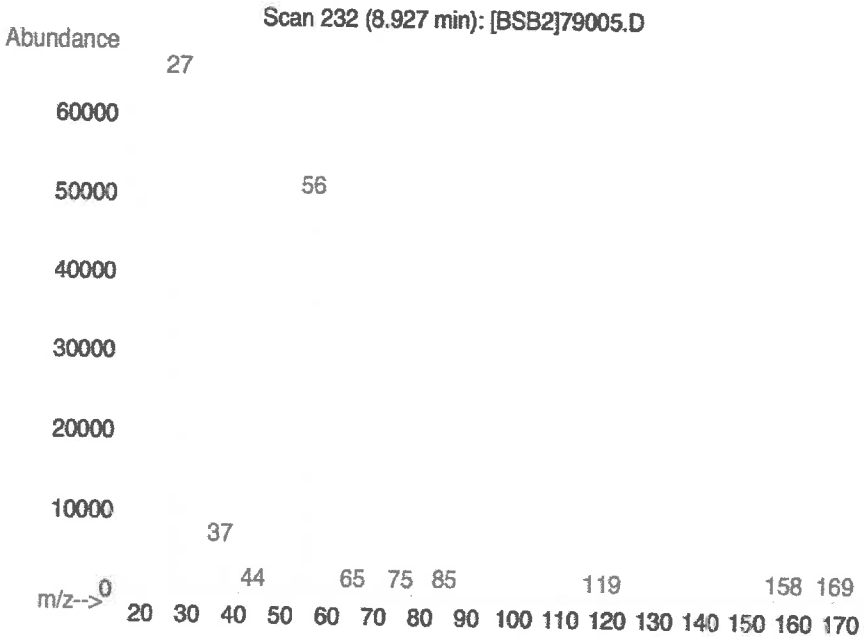
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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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

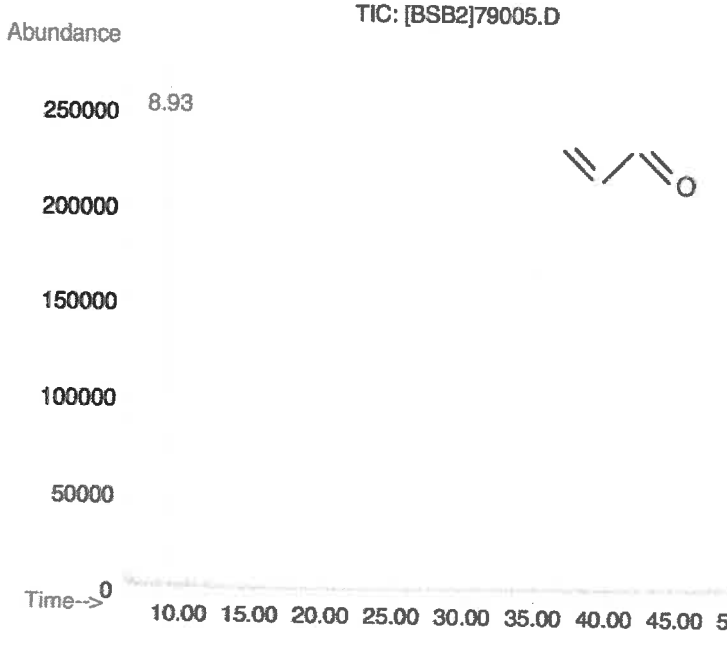
Weight(s) shown below were combined and diluted to (mL): 10.0

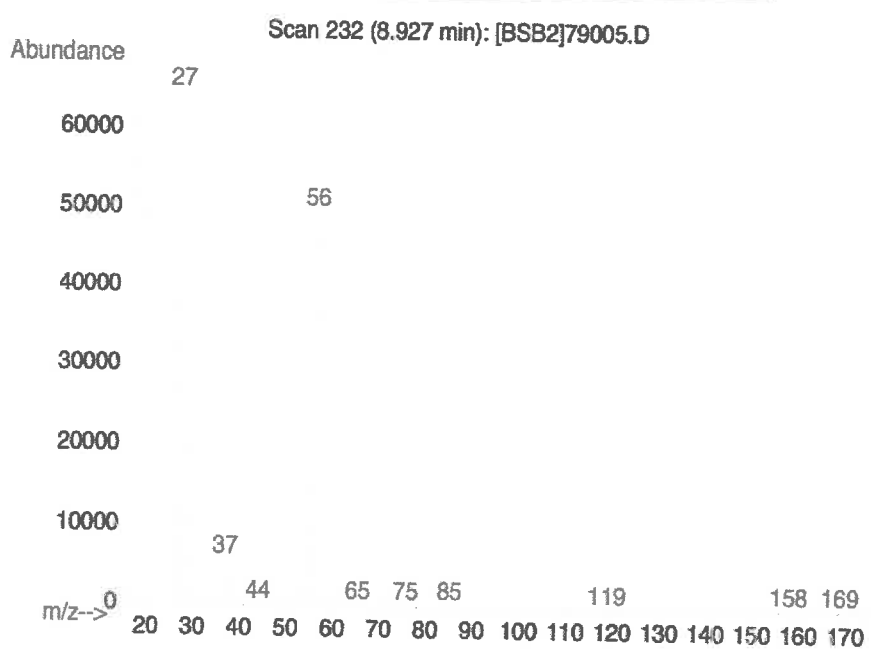
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By: Justin Dippold	091424 DATE
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

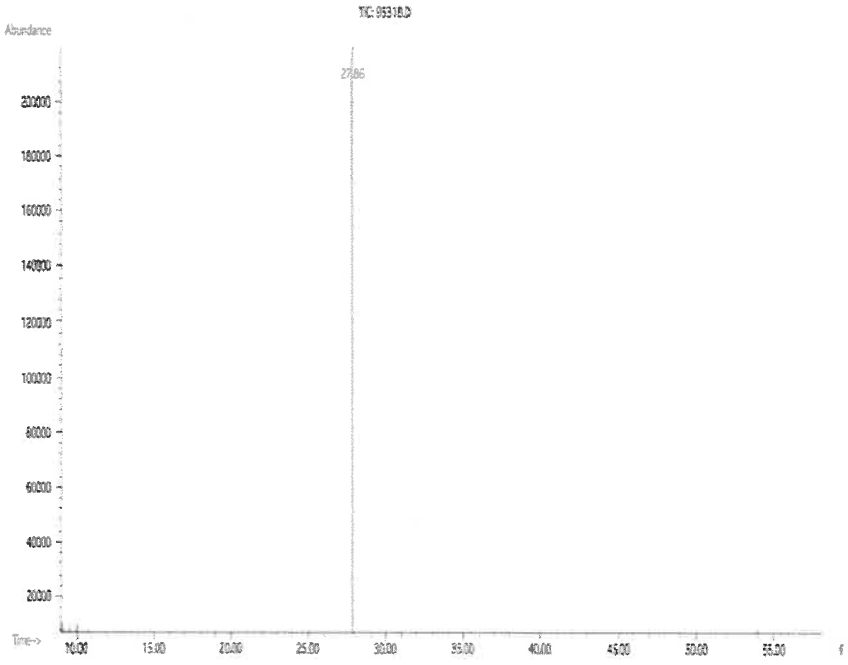
Solvent(s): Methanol **Lot#** EJ143-US

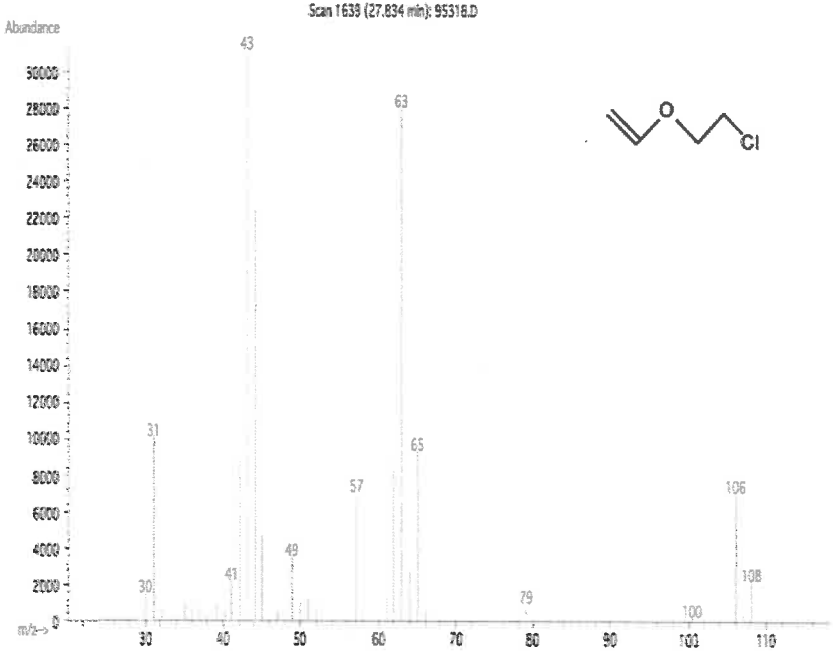
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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 WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

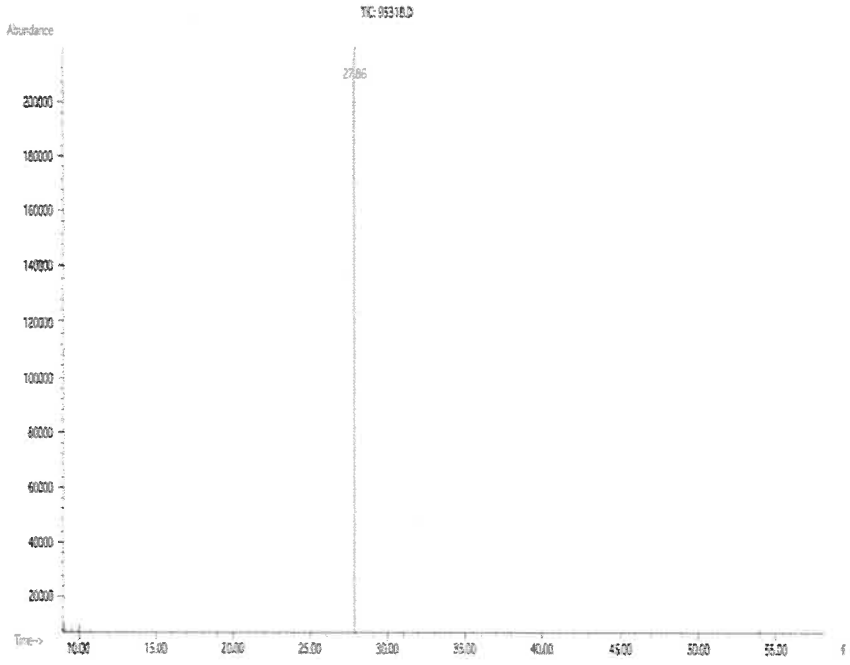
Solvent(s): Methanol **Lot#** EJ143-US

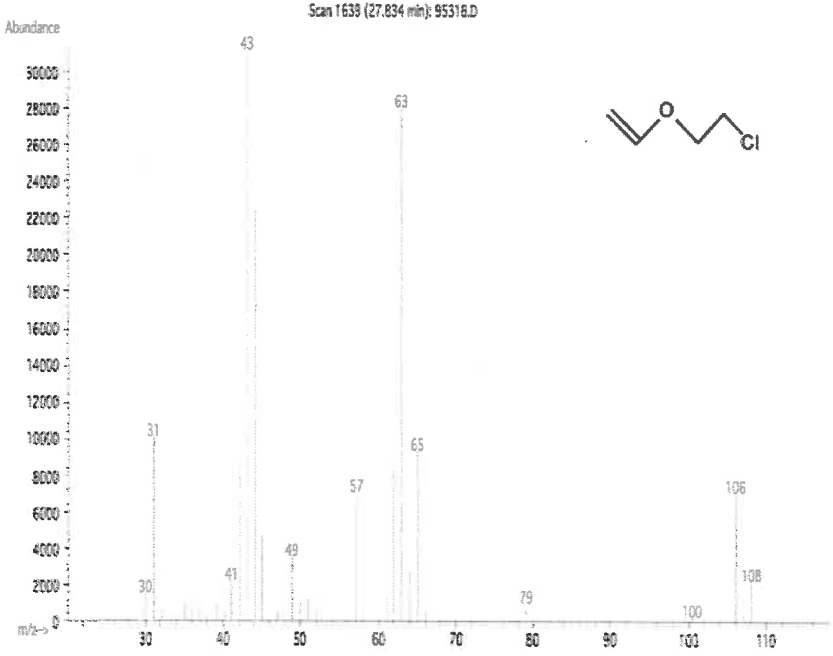
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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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.
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Skin notation TWA 200 ppm
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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

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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
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

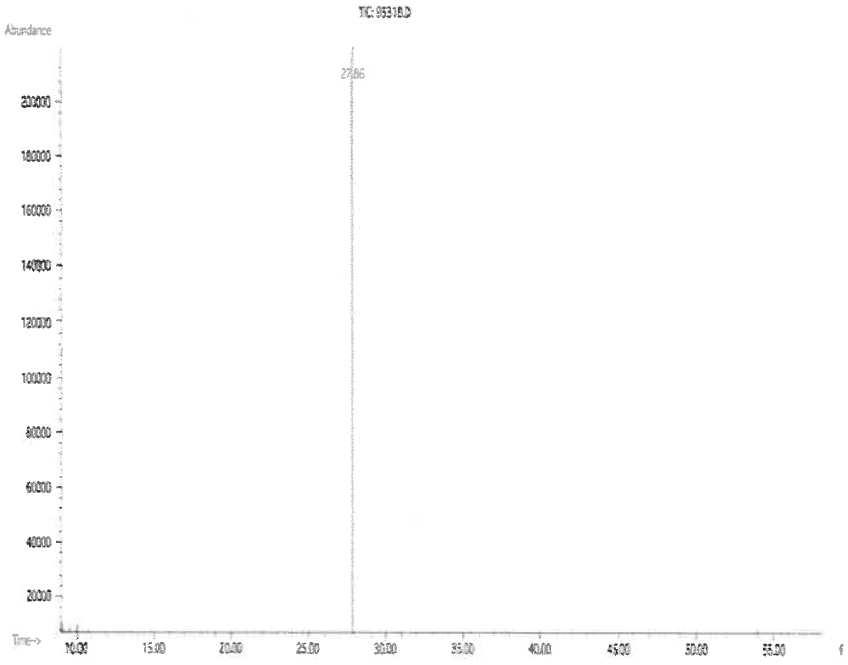
Solvent(s): Methanol **Lot#** EJ143-US

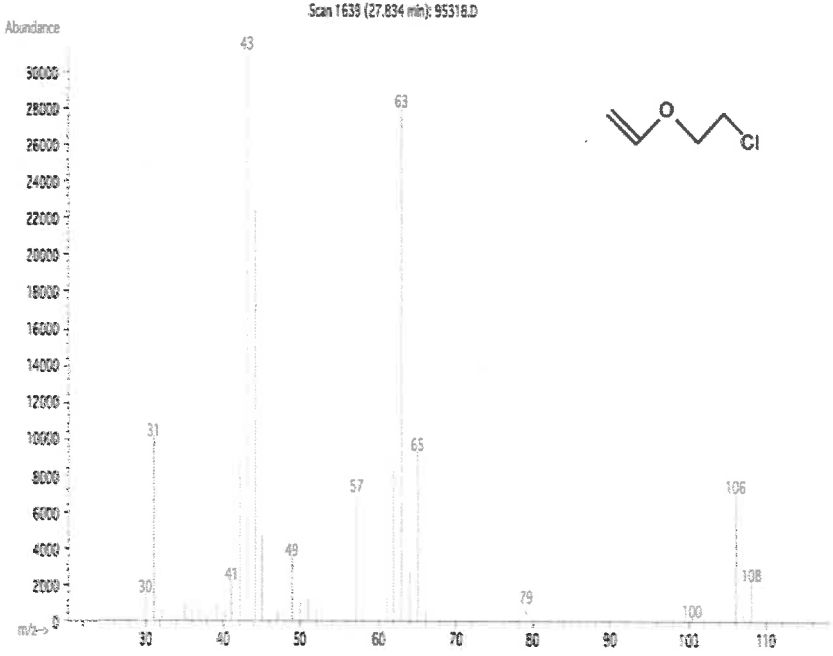
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

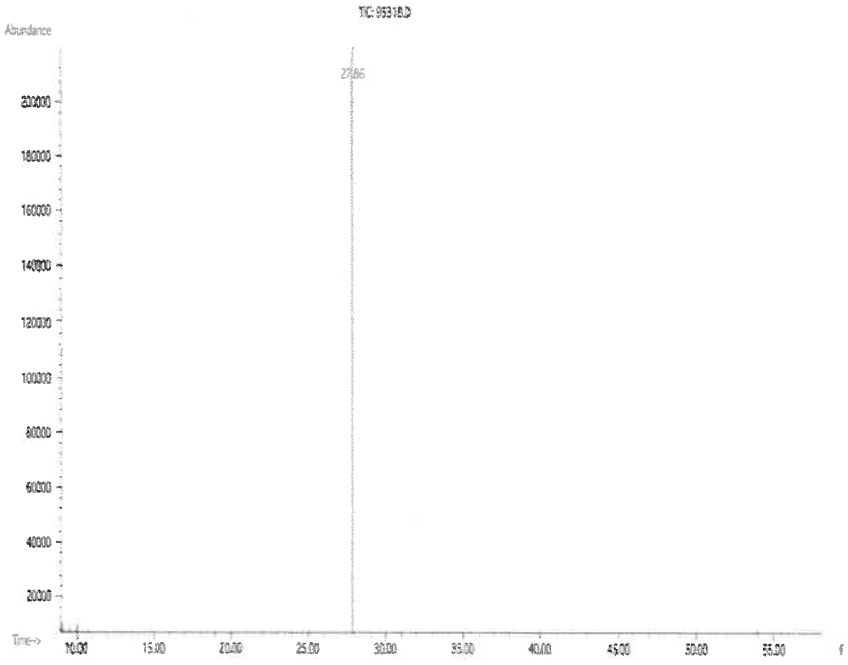
Solvent(s): Methanol **Lot#** EJ143-US

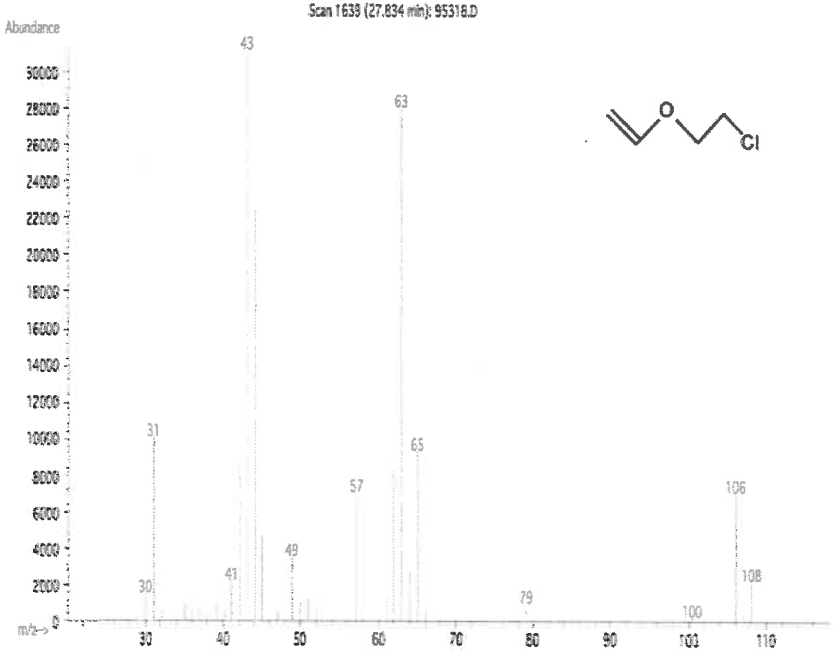
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

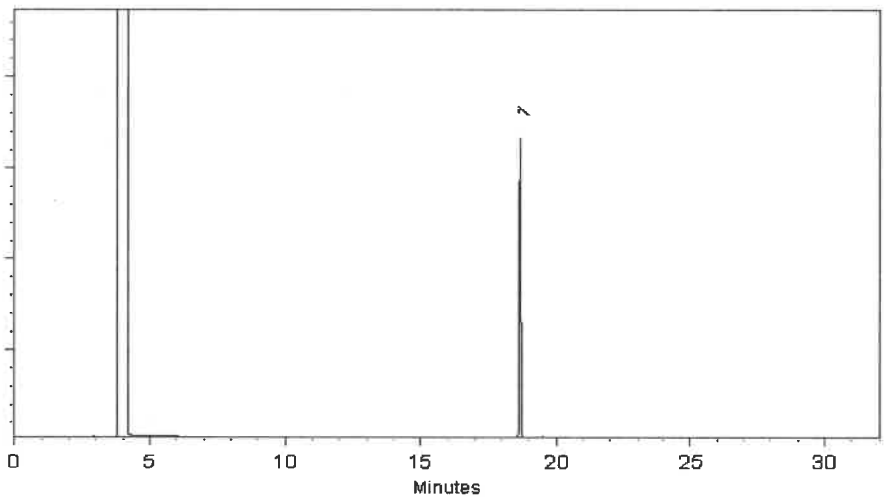
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

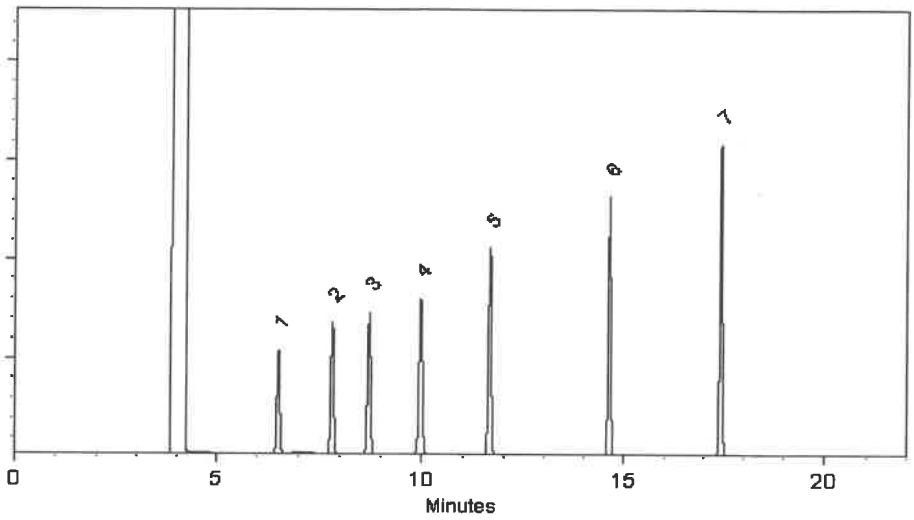
Inj. Temp:
200°C

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.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

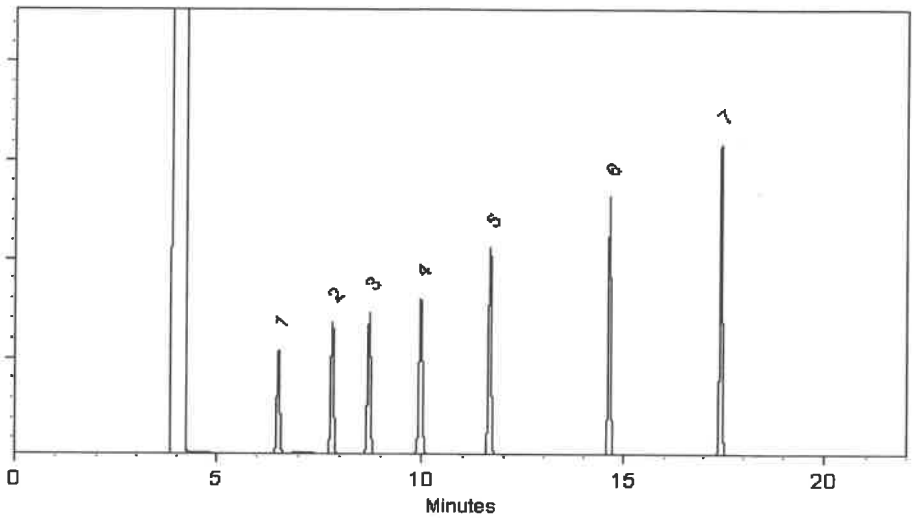
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

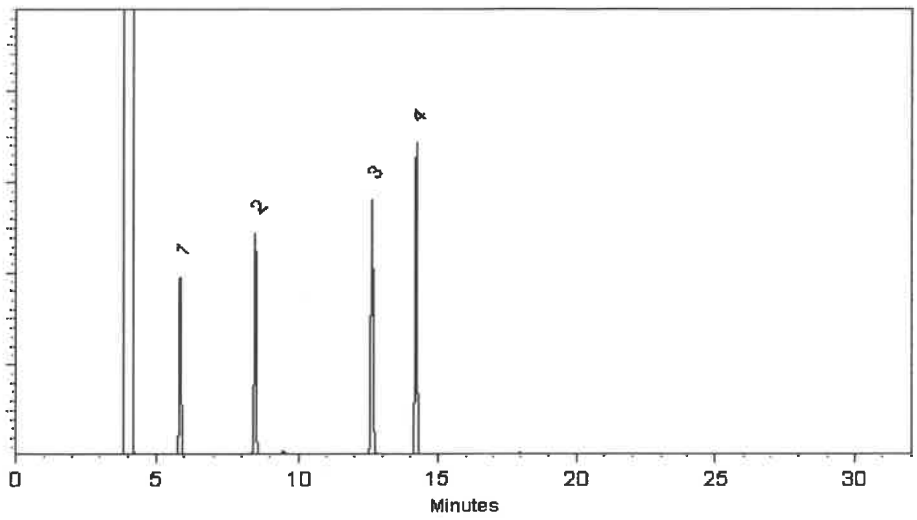
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

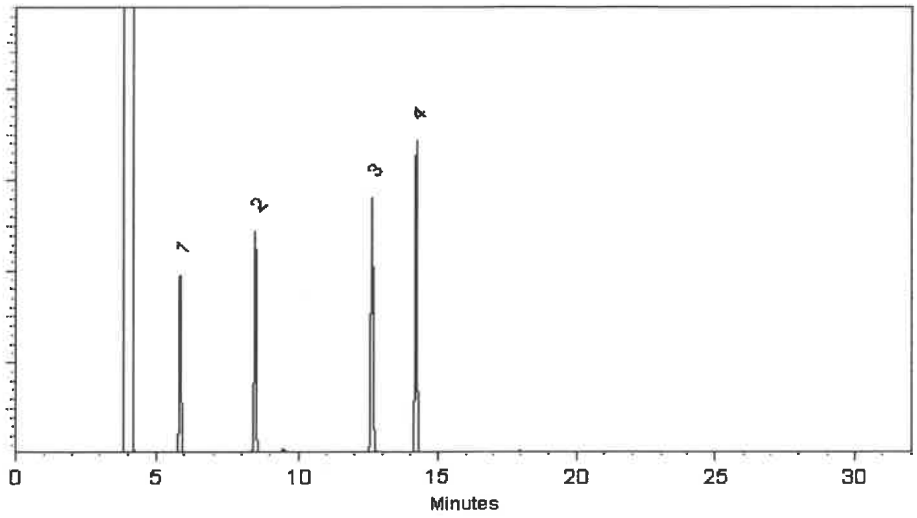
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
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4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
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Det. Temp:
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Det. Type:
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Split Vent:
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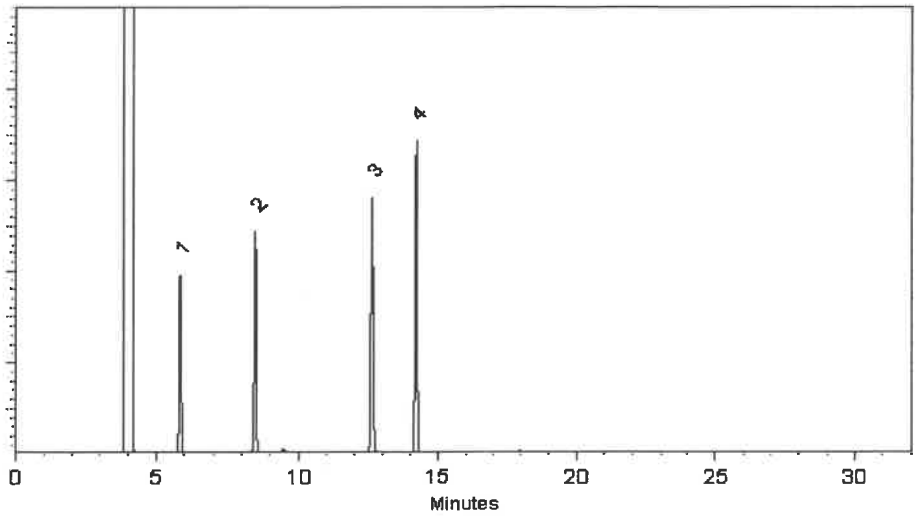
Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

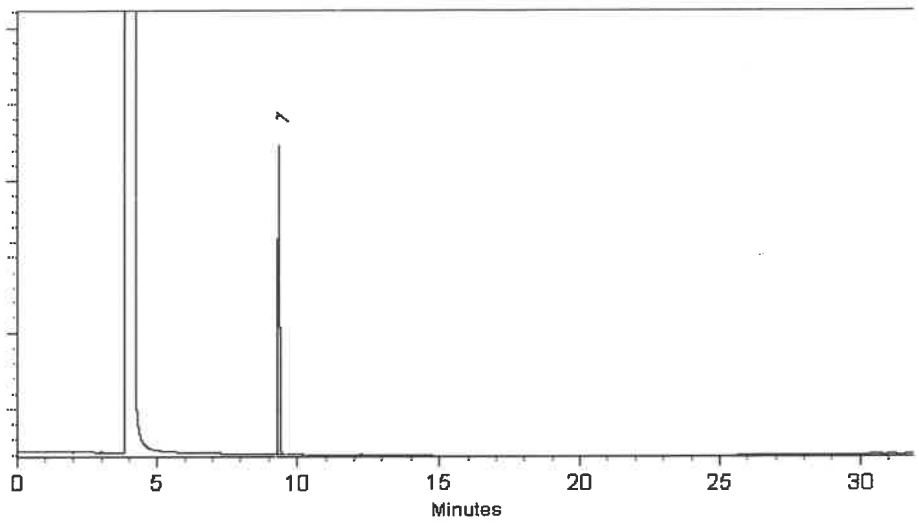
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

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V14727 to
V14756

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Certificate #3222.01

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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.

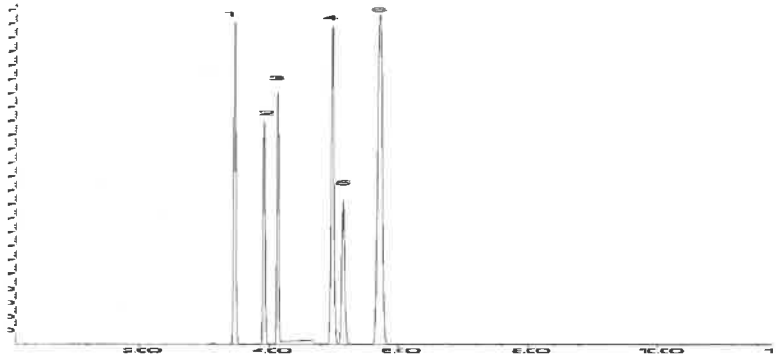
Inj. Temp:
200°C

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
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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
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6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

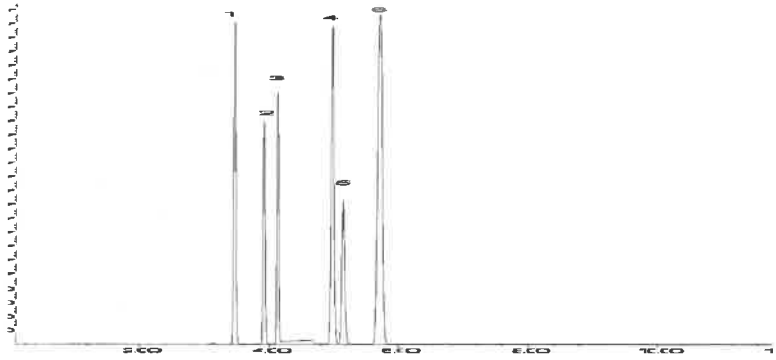
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician **Date Mixed:** 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

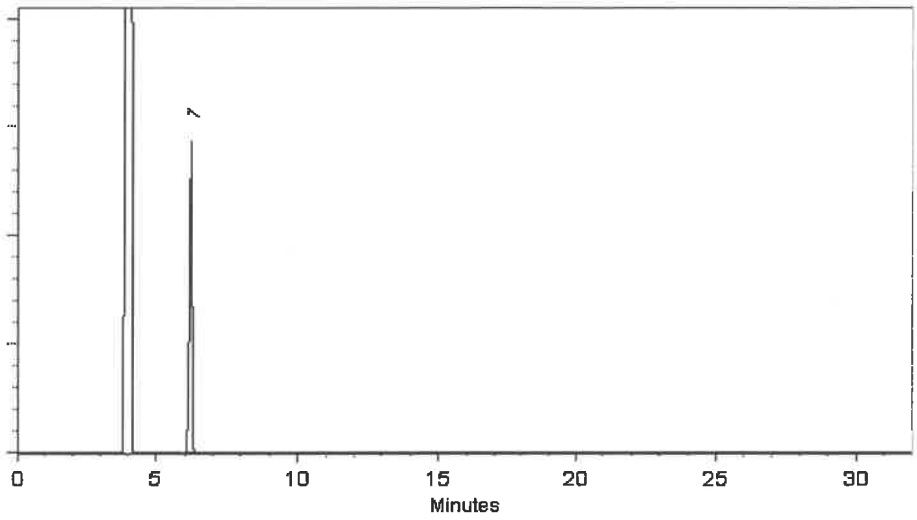
Inj. Temp:
200°C

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.
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Zoey 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.)

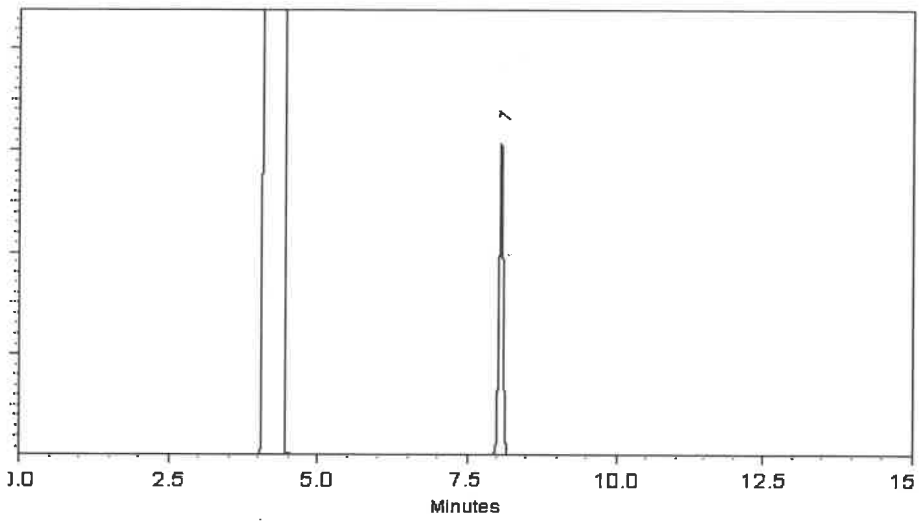
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

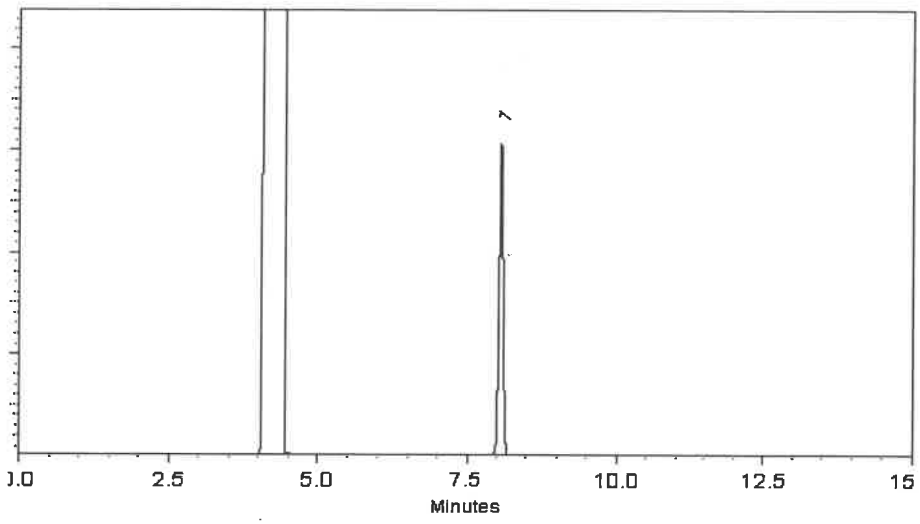
Inj. Temp:
200°C

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

10 vial

CERTIFIED REFERENCE MATERIAL

Lee 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904

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 : March 31, 2028 **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-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rev 08/14/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

V15057 to V15061

Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

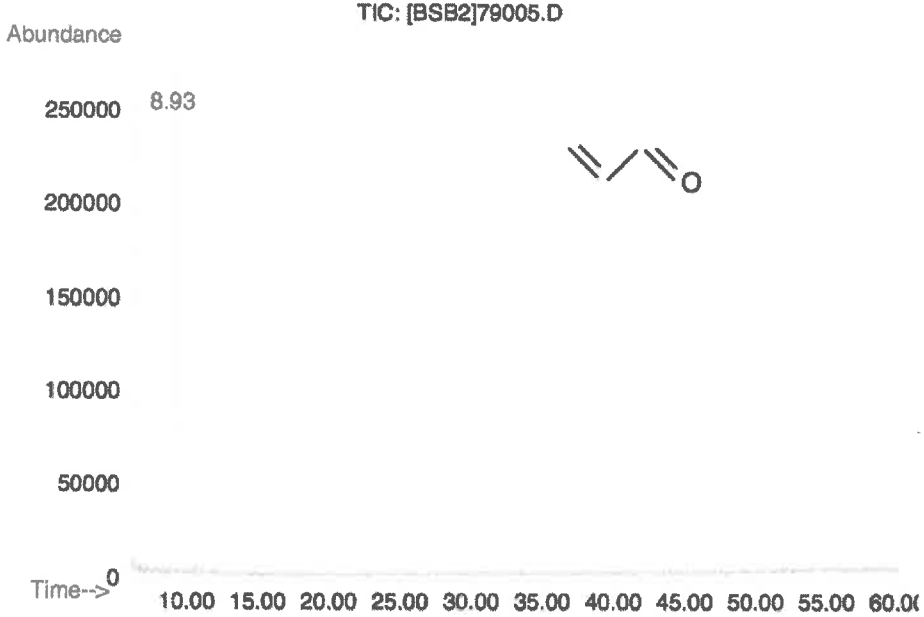
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

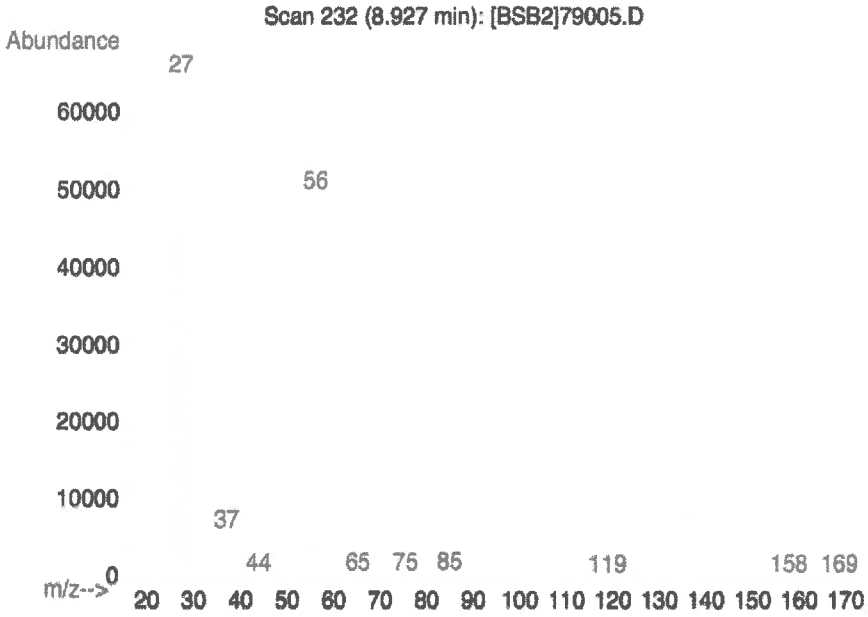
Weight(s) shown below were combined and diluted to (mL): 10.0

Eli Aliaga	081325
Formulated By: Eli Aliaga	DATE
Pedro Rentas	081325
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	0.05176	5009.9	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 with weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rev 08/14/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

V15057 to V15061

Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Eli Aliaga	081325
Formulated By: Eli Aliaga	DATE
Pedro Rentas	081325
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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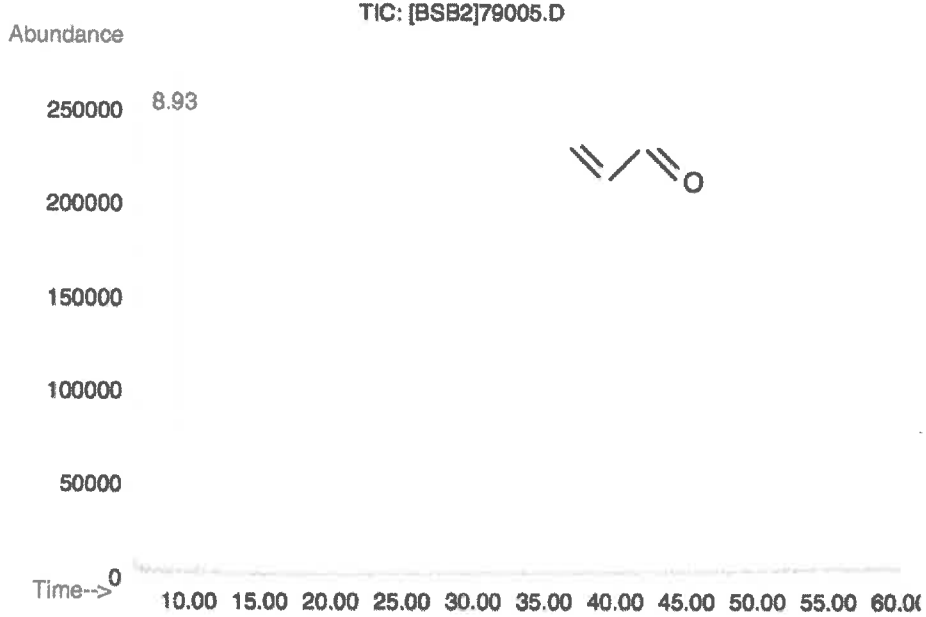

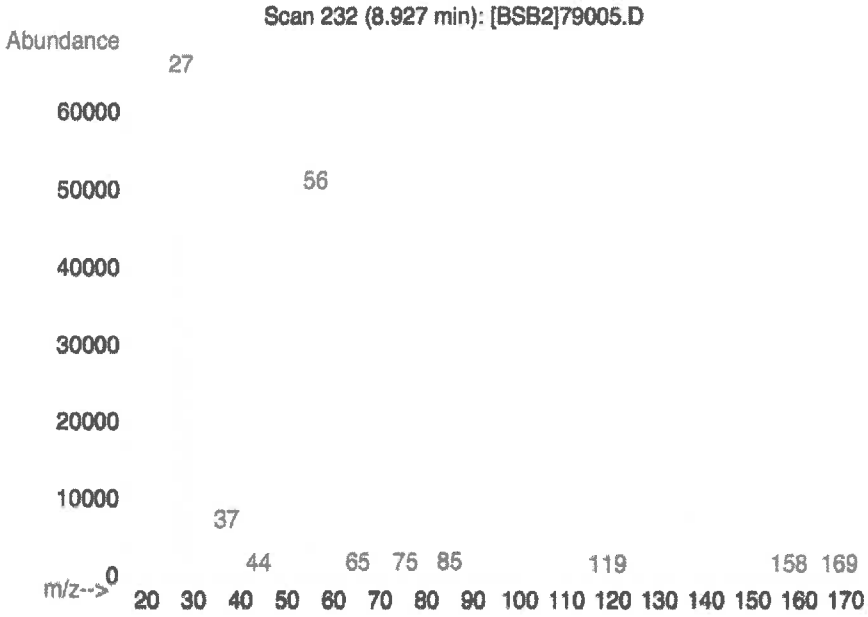

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Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rev 08/14/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

V15057 to V15061

Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Eli Aliaga 081325
Formulated By: Eli Aliaga DATE

Pedro Rentas 081325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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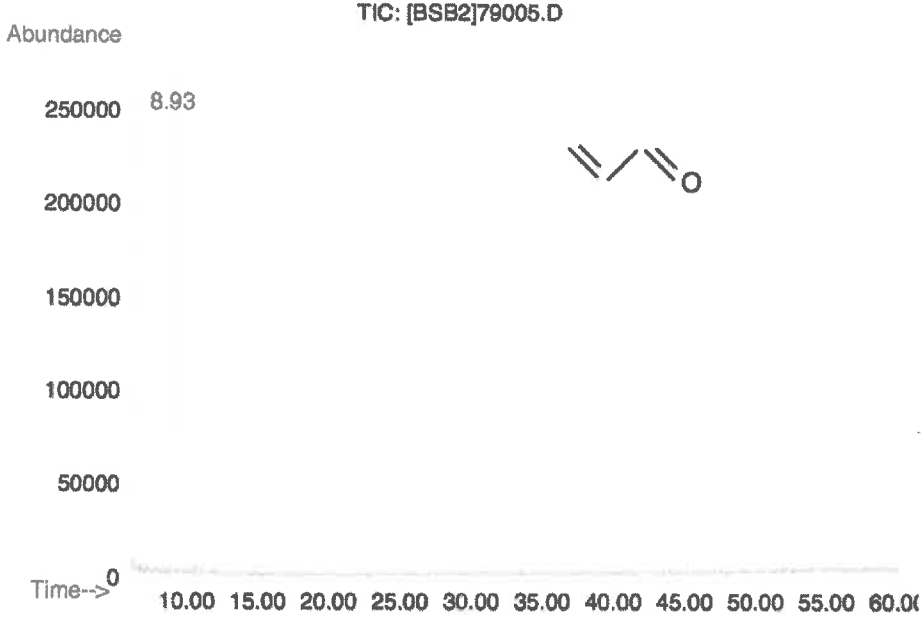

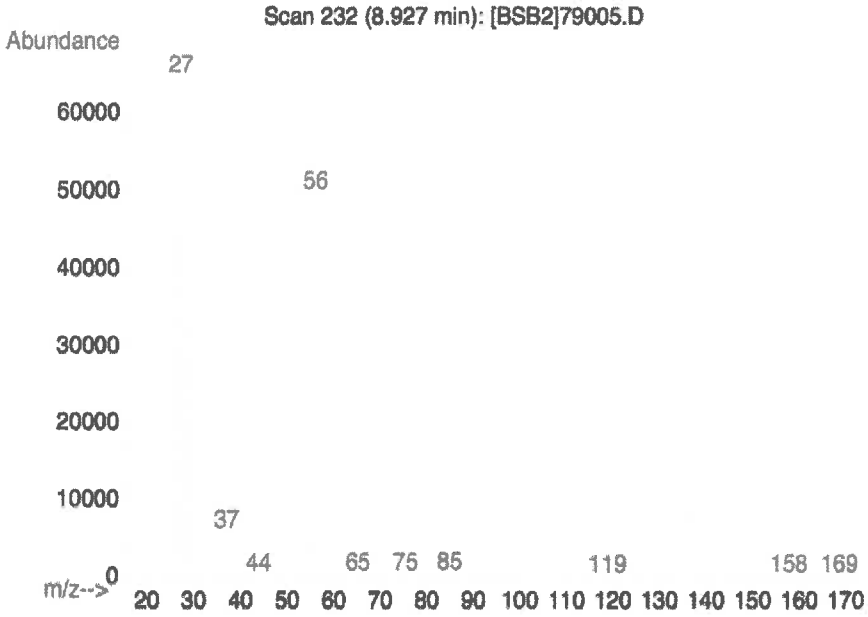

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Rev 1.0, 2/25/2025

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2879-01	36.13-32.32=3.81	14:01	35.90-32.23=3.67	14:02	33.44-29.84=3.6	14:03	V14921		
2	Q2879-03	36.05-32.59=3.46	14:03	36.26-32.66=3.6	14:04	32.89-29.74=3.15	14:05	V14921		
3	Q2879-05	36.26-32.53=3.73	14:06	36.02-32.42=3.6	14:07	32.40-29.82=2.58	14:08	V14921		
4	Q2879-07	37.30-32.61=4.69	14:09	37.27-32.70=4.57	14:10	34.42-30.31=4.11	14:11	V14921		
5	Q2879-09	37.20-32.57=4.63	14:12	36.79-32.54=4.25	14:14	34.82-29.98=4.84	14:15	V14921		
6	Q2879-11	36.54-32.58=3.96	14:18	37.32-32.71=4.61	14:18	34.19-30.27=3.92	14:19	V14921		
7	Q2879-13	36.49-32.65=3.84	14:19	40.55-32.85=7.7	14:20	33.64-29.95=3.69	14:21	V14921		
8	Q2879-15	36.44-32.59=3.85	14:22	36.25-32.57=3.68	14:23	33.05-29.78=3.27	14:24	V14921		
9	Q2879-17	36.10-32.54=3.56	14:25	35.96-32.45=3.51	14:26	32.83-29.70=3.13	14:27	V14921		

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

Q 2879

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Numbe	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day [X] 10-Day [ ]
PFAS 10-Day (std) [ ] Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [✓]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [✓] EXCEL [✓]
Other:
CLP Like Data Pkg Required: [ ] No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET [✓]
NON SOXHLET [ ]

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-TS-Grillo-TSCP03-081425	8/14/25	11:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP04-081425	8/14/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP05-081425	8/14/25	11:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP06-081425	8/14/25	11:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP07-081425	8/14/25	11:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP08-081425	8/14/25	11:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP09-081425	8/14/25	12:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP10-081425	8/14/25	12:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP11-081425	8/14/25	12:10	G	SO		3	2	1				X	X	X	X	X	X	X	X	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: 8/15 9:09	Client Comments: 3.2
Received by: (signature)	Date/Time: 8/15 9:09	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[✓] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government [ ] Municipality [ ] MWRA [ ] WRTA [ ]
Federal [ ] 21 J [ ] School [ ]
City [ ] Brownfield [ ] MBTA [ ]

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

Lab Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/15/2025 9:15:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/15/2025 9:09:00 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
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Solid	08/14/2025	11:30					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Solid	08/14/2025	11:35					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Solid	08/14/2025	11:40					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Solid	08/14/2025	11:45					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Solid	08/14/2025	11:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Solid	08/14/2025	11:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Solid	08/14/2025	12:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Solid	08/14/2025	12:05					

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

LOGIN REPORT/SAMPLE TRANSFER

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Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
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Order Date : 8/15/2025 9:15:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/15/2025 9:09:00 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	5 Bus. Days		
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Solid	08/14/2025	12:10						
					VOCMS Group3		8260D	5 Bus. Days		

Relinguished By :
Date / Time : 8/15/25 1230

Received By : Sam
Date / Time : 8/15/25 1230

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	561390	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.610	114	904866	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	759914	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	360397	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.055	65	27563	5.152	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.300%#				
35) Dibromofluoromethane	7.634	113	26265	4.851	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.700%#				
50) Toluene-d8	10.103	98	104144	4.924	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.840%#				
62) 4-Bromofluorobenzene	12.402	95	32420	4.766	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.540%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	27351	5.969	ug/l		96
3) Chloromethane	2.068	50	39269	5.291	ug/l		98
4) Vinyl Chloride	2.202	62	48736	5.312	ug/l		99
5) Bromomethane	2.592	94	37773	5.513	ug/l		97
6) Chloroethane	2.732	64	32816	5.380	ug/l		98
7) Trichlorofluoromethane	3.050	101	59438	5.328	ug/l		99
8) Diethyl Ether	3.452	74	15231	5.160	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.812	101	29291	5.322	ug/l		98
10) Methyl Iodide	3.994	142	26272	4.424	ug/l		98
11) Tert butyl alcohol	4.866	59	9219	25.147	ug/l	#	92
12) 1,1-Dichloroethene	3.787	96	27635	5.108	ug/l		87
13) Acrolein	3.647	56	13391	24.941	ug/l		95
14) Allyl chloride	4.372	41	41201	5.176	ug/l		94
15) Acrylonitrile	5.061	53	28255	23.547	ug/l		95
16) Acetone	3.866	43	30803	26.574	ug/l		98
17) Carbon Disulfide	4.098	76	92964	5.270	ug/l		96
18) Methyl Acetate	4.379	43	16806	4.872	ug/l		99
19) Methyl tert-butyl Ether	5.116	73	66308	4.730	ug/l		98
20) Methylene Chloride	4.604	84	48322	5.657	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	30021	4.938	ug/l		97
22) Diisopropyl ether	6.012	45	80938	4.679	ug/l		91
23) Vinyl Acetate	5.958	43	221862	23.196	ug/l		97
24) 1,1-Dichloroethane	5.909	63	52152	4.931	ug/l		99
25) 2-Butanone	6.890	43	37821	23.991	ug/l		97
26) 2,2-Dichloropropane	6.878	77	46964	5.147	ug/l		99
27) cis-1,2-Dichloroethene	6.884	96	34877	4.962	ug/l		97
28) Bromochloromethane	7.238	49	20615	4.913	ug/l		96
29) Tetrahydrofuran	7.256	42	23487	24.035	ug/l		96
30) Chloroform	7.415	83	54392	4.987	ug/l		96
31) Cyclohexane	7.701	56	58362	5.856	ug/l	#	83
32) 1,1,1-Trichloroethane	7.610	97	48413	5.003	ug/l		99
36) 1,1-Dichloropropene	7.829	75	39978	4.968	ug/l		99
37) Ethyl Acetate	6.982	43	15080	4.461	ug/l	#	95
38) Carbon Tetrachloride	7.811	117	44360	5.076	ug/l		99
39) Methylcyclohexane	9.103	83	51931	4.901	ug/l		99
40) Benzene	8.073	78	122482	4.939	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	6006	3.075	ug/l	#	56
42) 1,2-Dichloroethane	8.152	62	31902	4.946	ug/l		98
43) Isopropyl Acetate	8.195	43	31890	4.668	ug/l		100
44) Trichloroethene	8.859	130	32050	5.001	ug/l		93
45) 1,2-Dichloropropane	9.134	63	27418	4.805	ug/l		93
46) Dibromomethane	9.225	93	15033	4.590	ug/l		97
47) Bromodichloromethane	9.420	83	40327	4.785	ug/l		98
48) Methyl methacrylate	9.219	41	13477	4.122	ug/l		90
49) 1,4-Dioxane	9.231	88	3454	89.939	ug/l	#	91
51) 4-Methyl-2-Pentanone	9.993	43	75891	21.535	ug/l		100
52) Toluene	10.164	92	73910	4.692	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	34154	4.475	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	41326	4.579	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	20795	4.745	ug/l		98
56) Ethyl methacrylate	10.432	69	22376	3.990	ug/l		99
57) 1,3-Dichloropropane	10.713	76	34835	4.687	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	51585	19.500	ug/l		100
59) 2-Hexanone	10.755	43	50604	21.088	ug/l		97
60) Dibromochloromethane	10.908	129	27141	4.693	ug/l		100
61) 1,2-Dibromoethane	11.012	107	18652	4.528	ug/l		97
64) Tetrachloroethene	10.640	164	36210	5.336	ug/l		97
65) Chlorobenzene	11.438	112	80684	4.922	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.511	131	26397	4.745	ug/l		94
67) Ethyl Benzene	11.511	91	134854	4.781	ug/l		99
68) m/p-Xylenes	11.621	106	102783	9.329	ug/l		97
69) o-Xylene	11.950	106	45944	4.453	ug/l		94
70) Styrene	11.963	104	71801	4.255	ug/l		97
71) Bromoform	12.127	173	14954	4.599	ug/l	#	94
73) Isopropylbenzene	12.249	105	123246	4.845	ug/l		99
74) N-amyl acetate	12.066	43	22829	4.232	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.499	83	21057	4.848	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	28374	8.152	ug/l	#	100
77) Bromobenzene	12.530	156	29681	4.891	ug/l		100
78) n-propylbenzene	12.590	91	146043	4.822	ug/l		99
79) 2-Chlorotoluene	12.670	91	84671	4.880	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	96308	4.685	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	6514	4.533	ug/l		89
82) 4-Chlorotoluene	12.773	91	87454	4.859	ug/l		99
83) tert-Butylbenzene	12.993	119	87496	4.712	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	93551	4.571	ug/l		100
85) sec-Butylbenzene	13.170	105	131079	4.806	ug/l		99
86) p-Isopropyltoluene	13.285	119	103731	4.582	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	57668	4.819	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	60781	5.120	ug/l		97
89) n-Butylbenzene	13.609	91	94594	4.549	ug/l		98
90) Hexachloroethane	13.871	117	22980	4.958	ug/l		97
91) 1,2-Dichlorobenzene	13.651	146	50829	4.843	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3369	4.982	ug/l		93
93) 1,2,4-Trichlorobenzene	14.913	180	28399	4.576	ug/l		98
94) Hexachlorobutadiene	15.017	225	19196	5.263	ug/l		96
95) Naphthalene	15.133	128	43395	4.100	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	24703	4.619	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 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\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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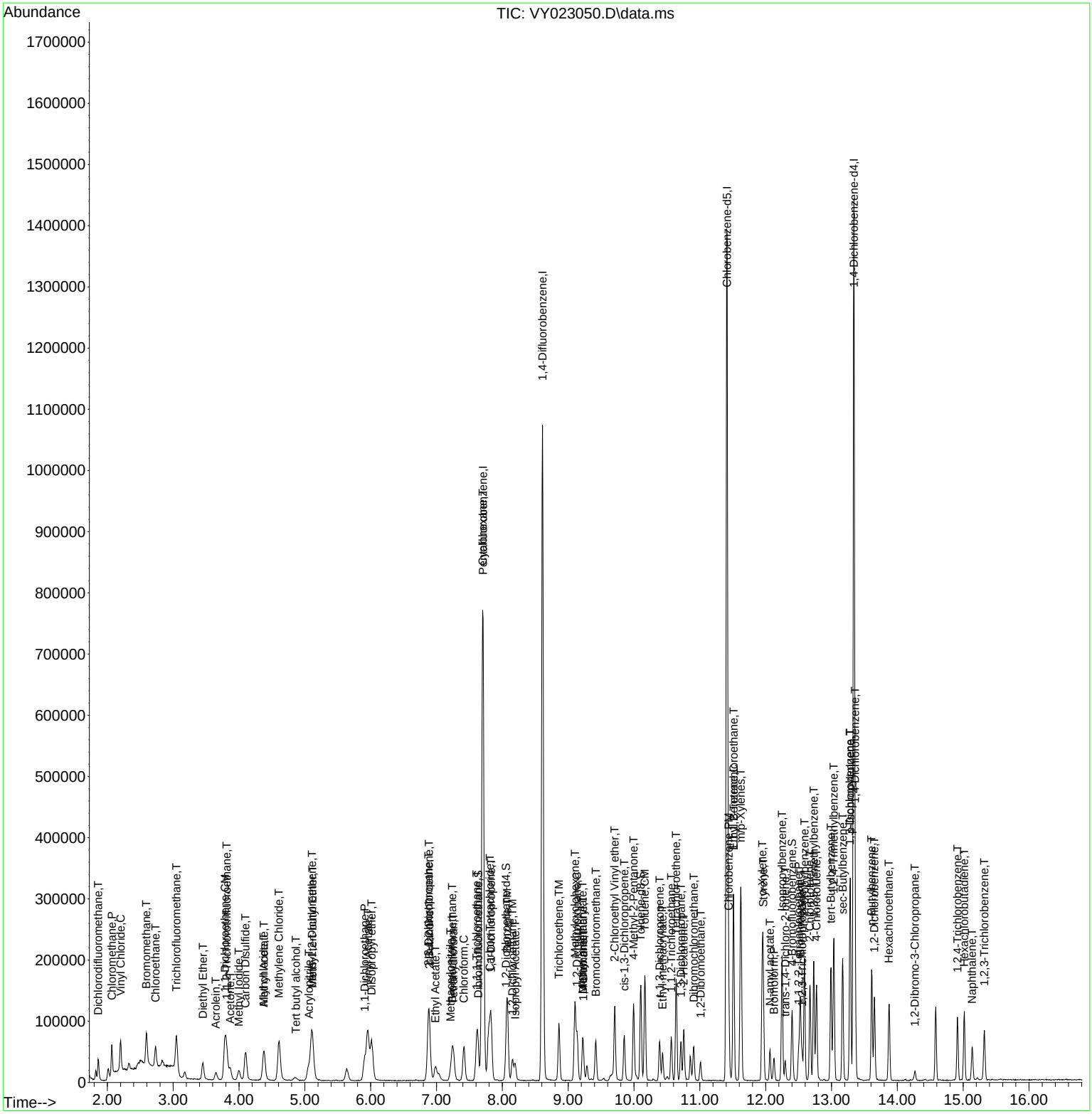
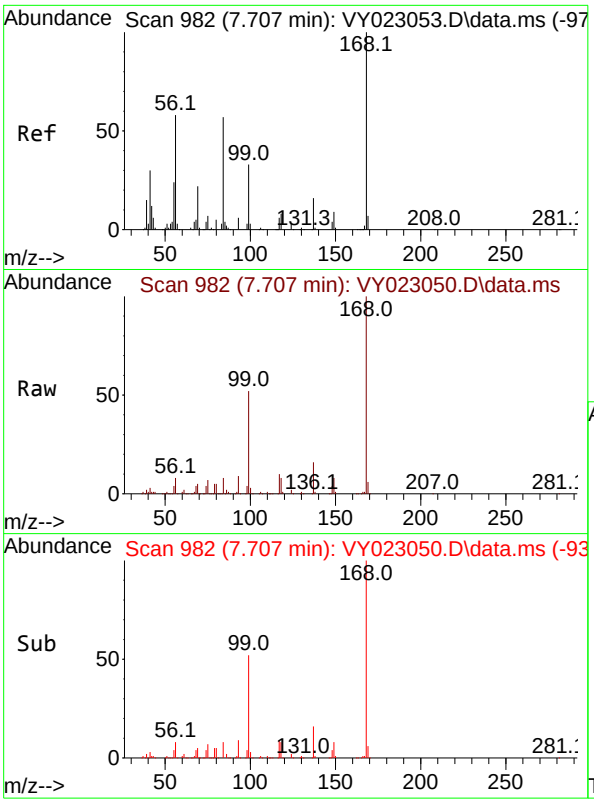
ClientSampleId :
VSTDICC005

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration



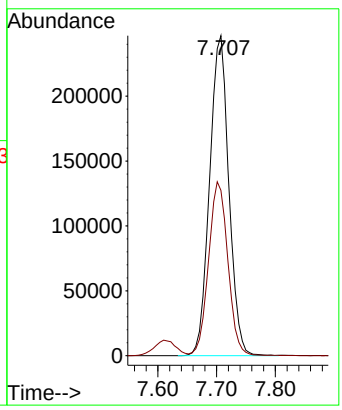


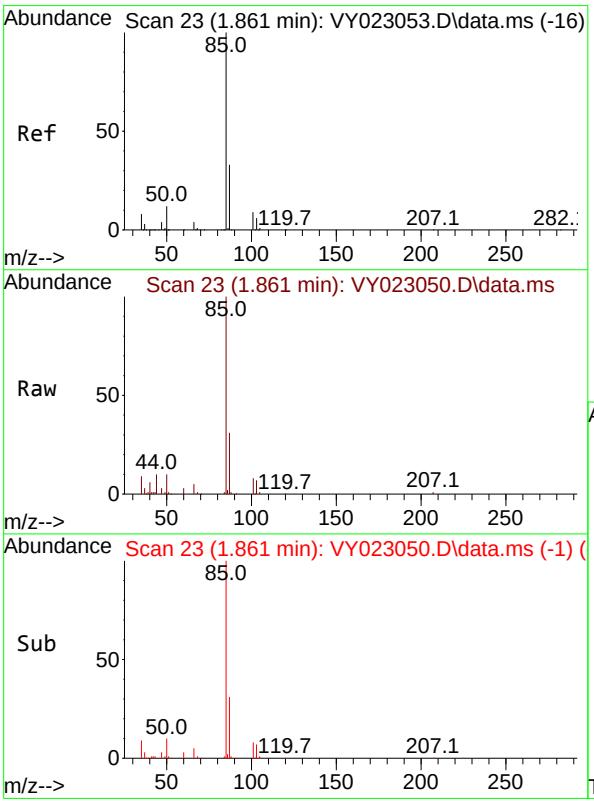
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 561390

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.8	64.2

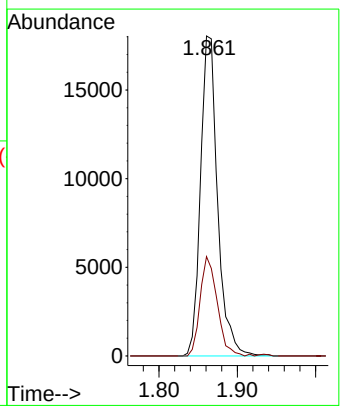


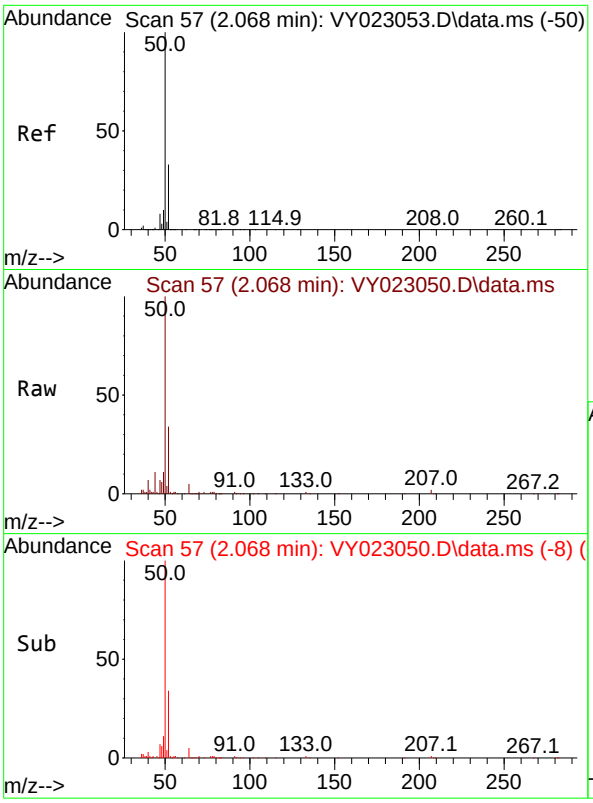


#2
Dichlorodifluoromethane
Concen: 5.969 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 85 Resp: 27351

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.6	49.8



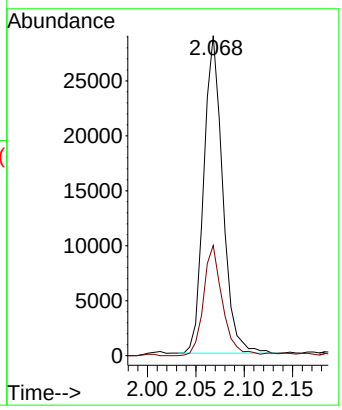


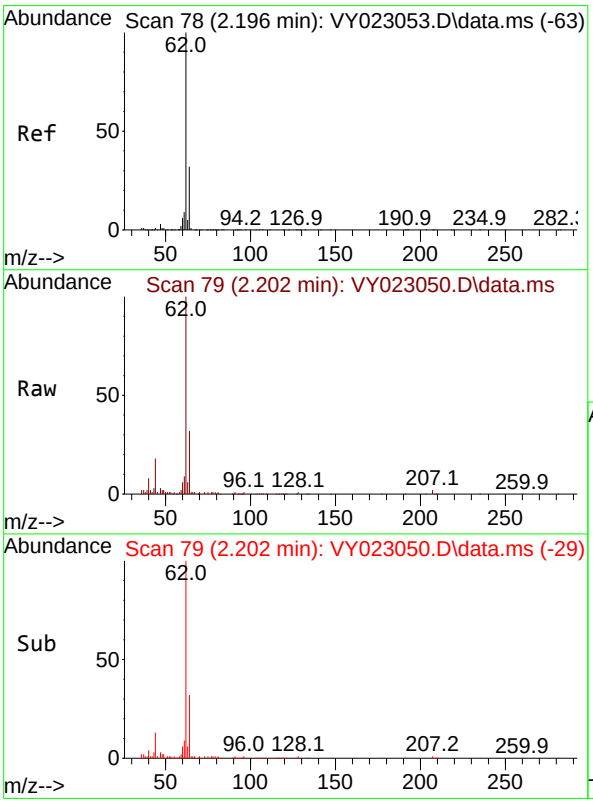
#3
Chloromethane
Concen: 5.291 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 39269

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.7	40.1

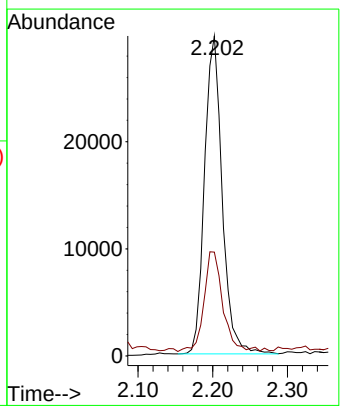


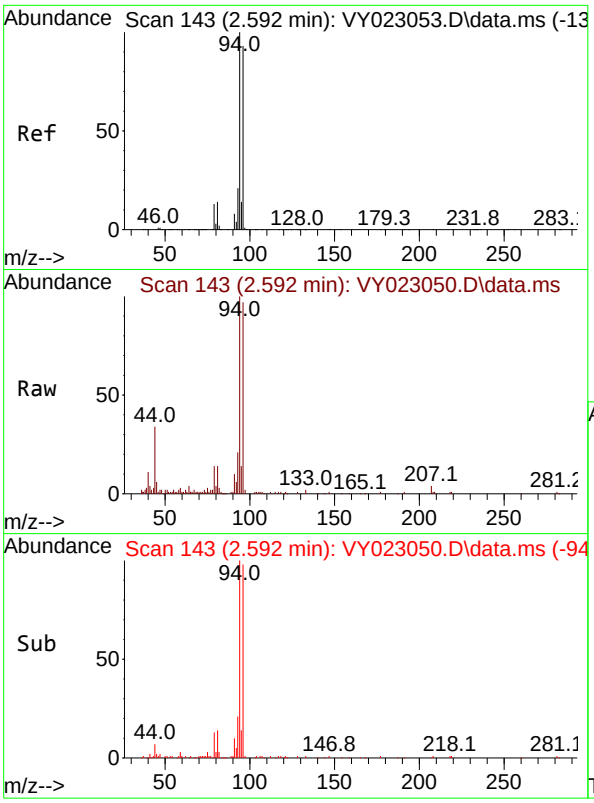


#4
Vinyl Chloride
Concen: 5.312 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 48736

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.4	38.0



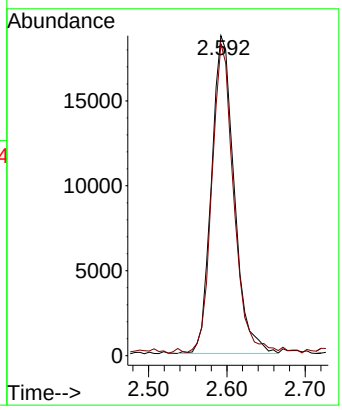


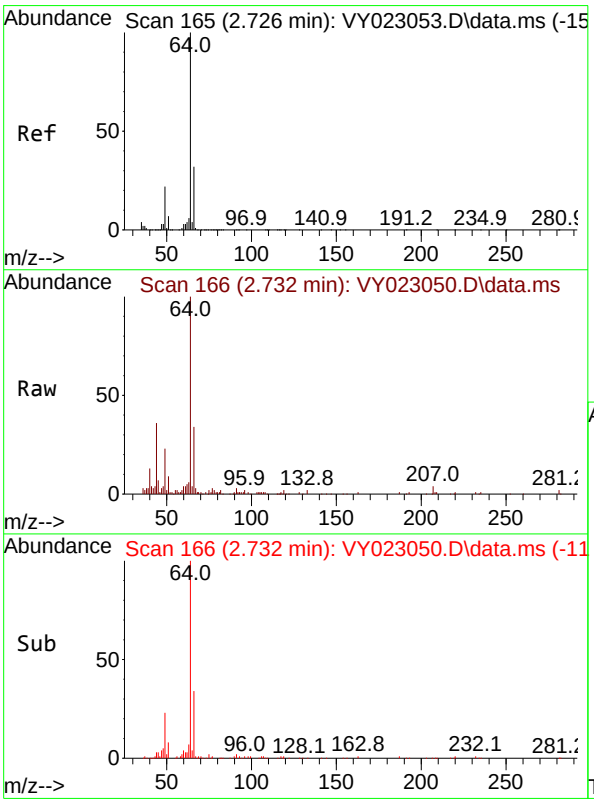
#5
Bromomethane
Concen: 5.513 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 37773

Ion	Ratio	Lower	Upper
94	100		
96	96.5	74.6	112.0

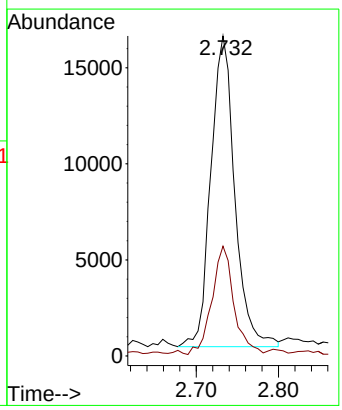


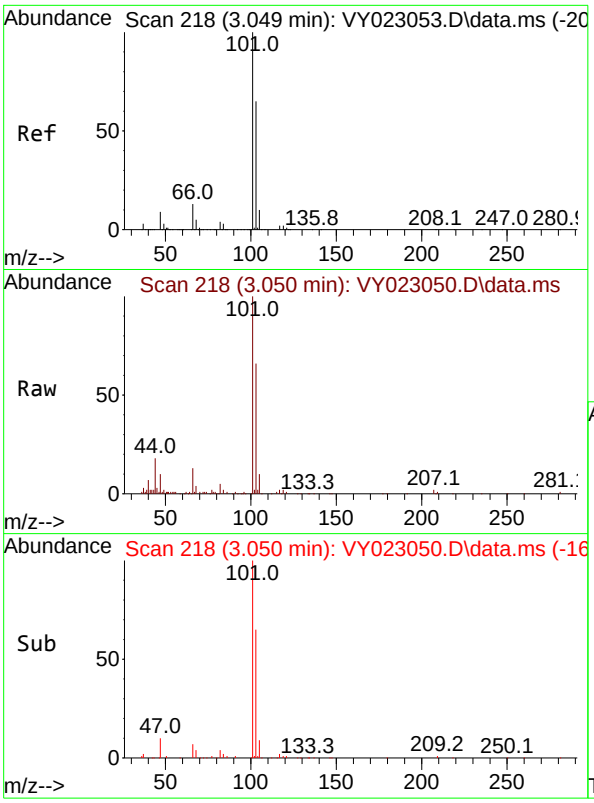


#6
Chloroethane
Concen: 5.380 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 64 Resp: 32816

Ion	Ratio	Lower	Upper
64	100		
66	33.5	25.8	38.6



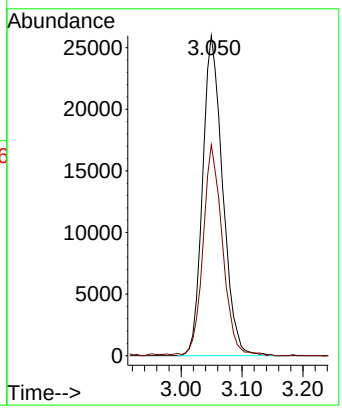


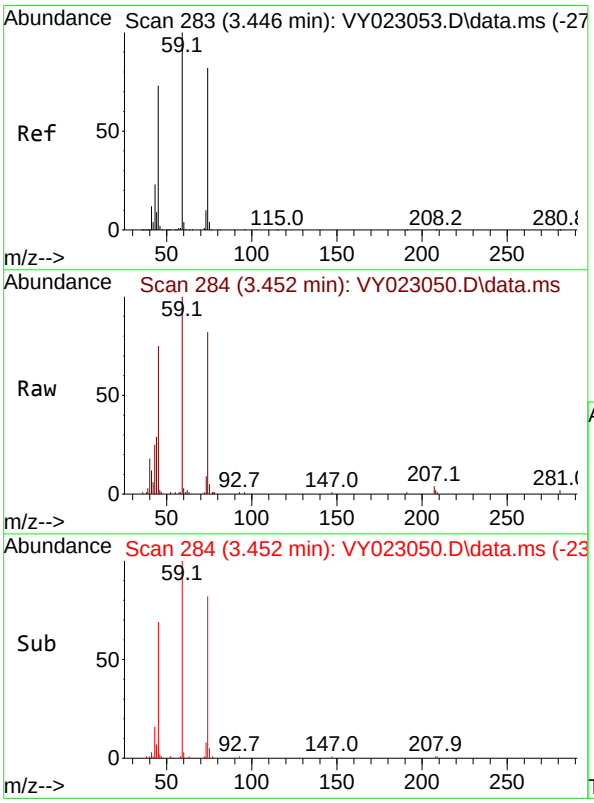
#7
Trichlorofluoromethane
Concen: 5.328 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 59438

Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.9	77.9

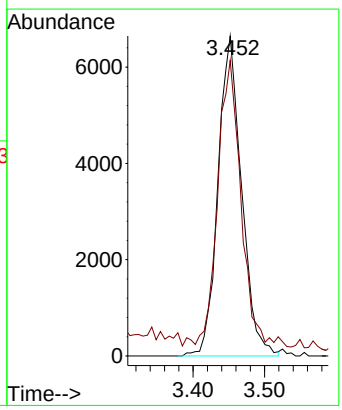


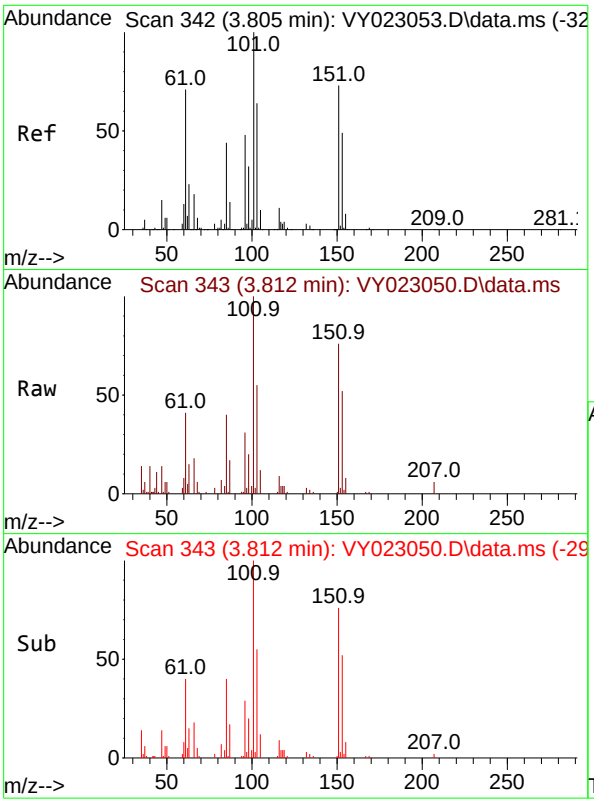


#8
Diethyl Ether
Concen: 5.160 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 74 Resp: 15231

Ion	Ratio	Lower	Upper
74	100		
45	88.2	44.4	133.2



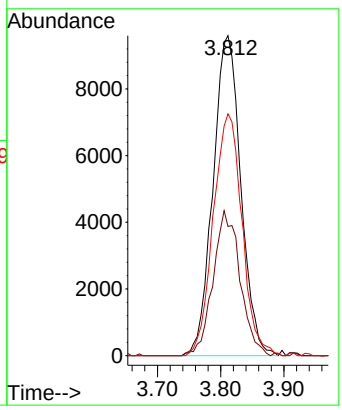


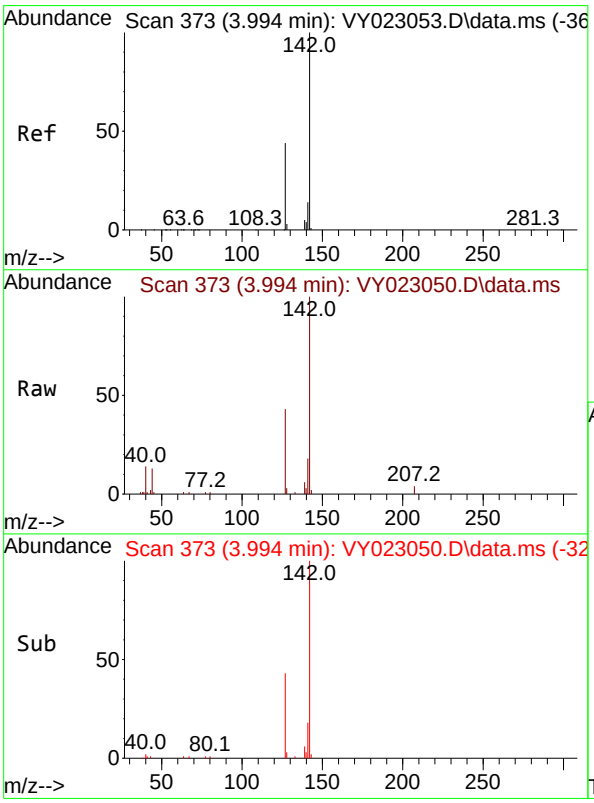
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.322 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 29291

Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.3	54.5
151	78.2	61.5	92.3

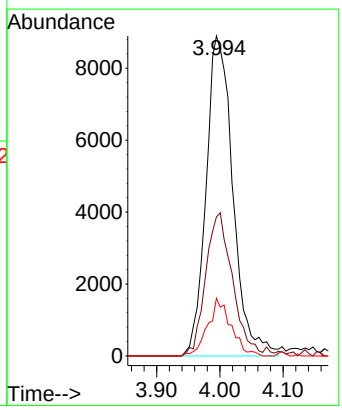


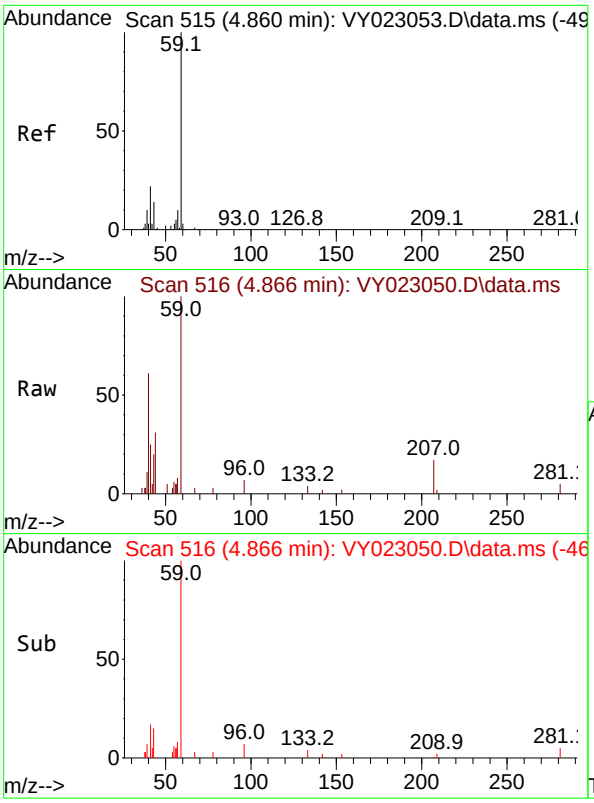


#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:142 Resp: 26272

Ion	Ratio	Lower	Upper
142	100		
127	44.6	34.9	52.3
141	15.6	11.3	16.9



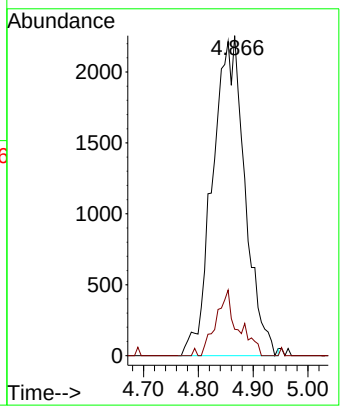


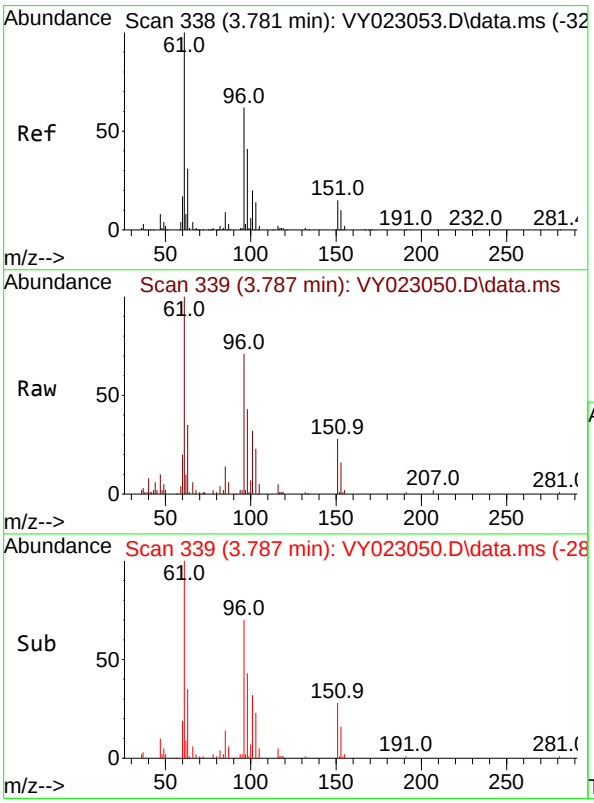
#11
Tert butyl alcohol
Concen: 25.147 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 9219

Ion	Ratio	Lower	Upper
59	100		
57	13.9	8.6	13.0#

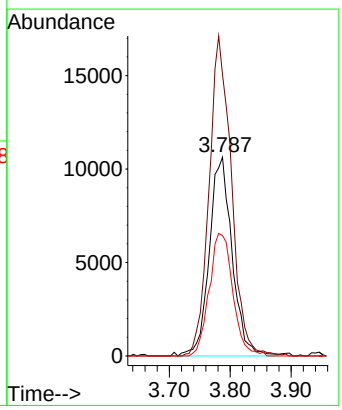


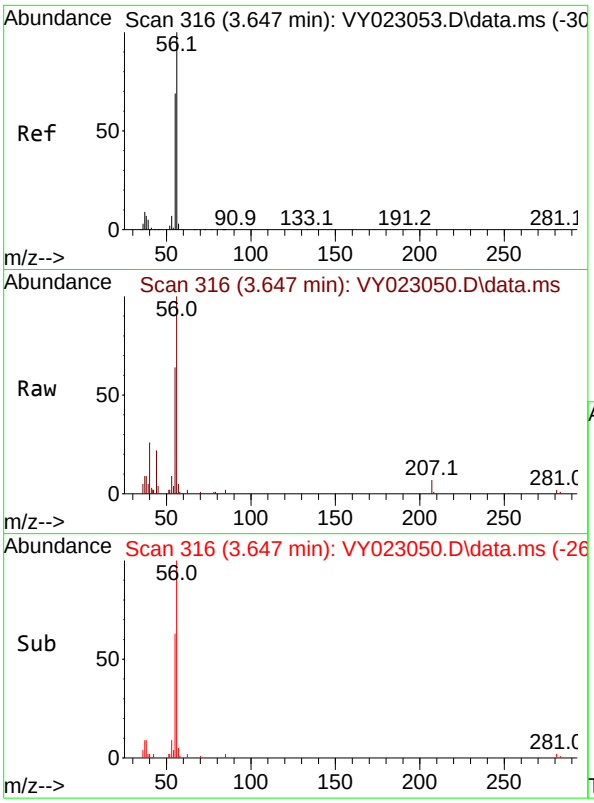


#12
1,1-Dichloroethene
Concen: 5.108 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 96 Resp: 27635

Ion	Ratio	Lower	Upper
96	100		
61	141.6	129.4	194.2
98	60.6	52.8	79.2



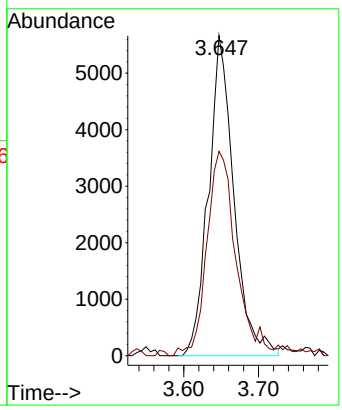


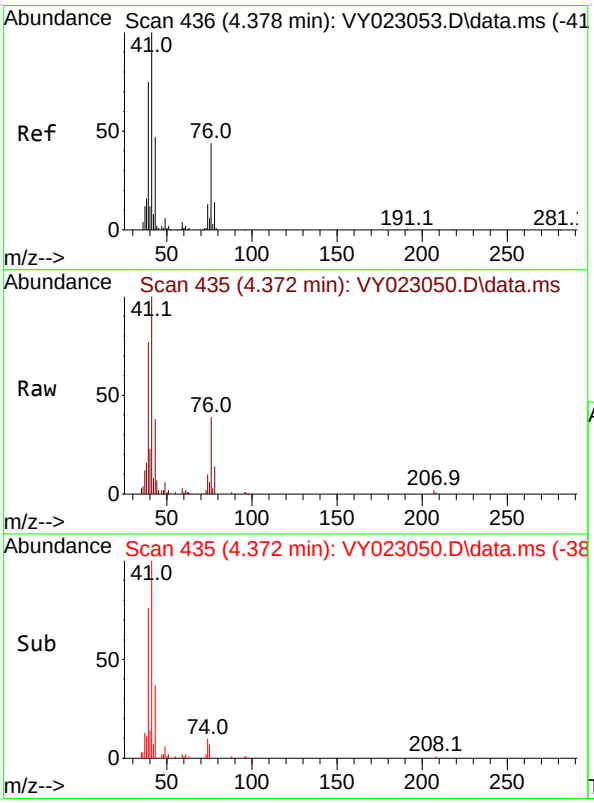
#13
Acrolein
Concen: 24.941 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13391

Ion	Ratio	Lower	Upper
56	100		
55	72.8	55.2	82.8

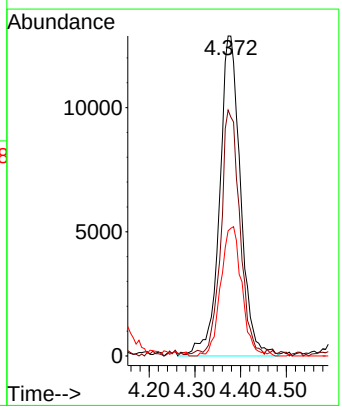


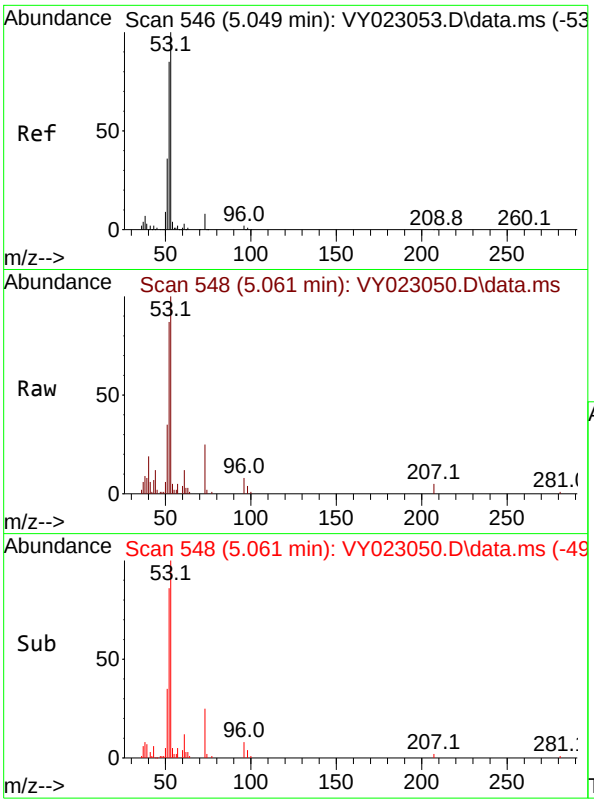


#14
Allyl chloride
Concen: 5.176 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 41201

Ion	Ratio	Lower	Upper
41	100		
39	67.7	59.8	89.6
76	40.4	33.7	50.5



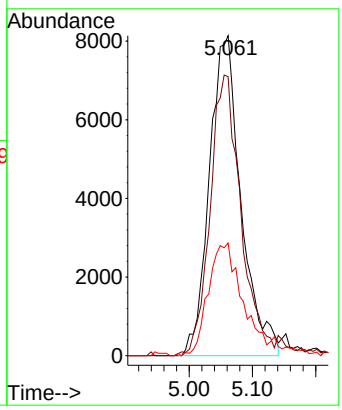


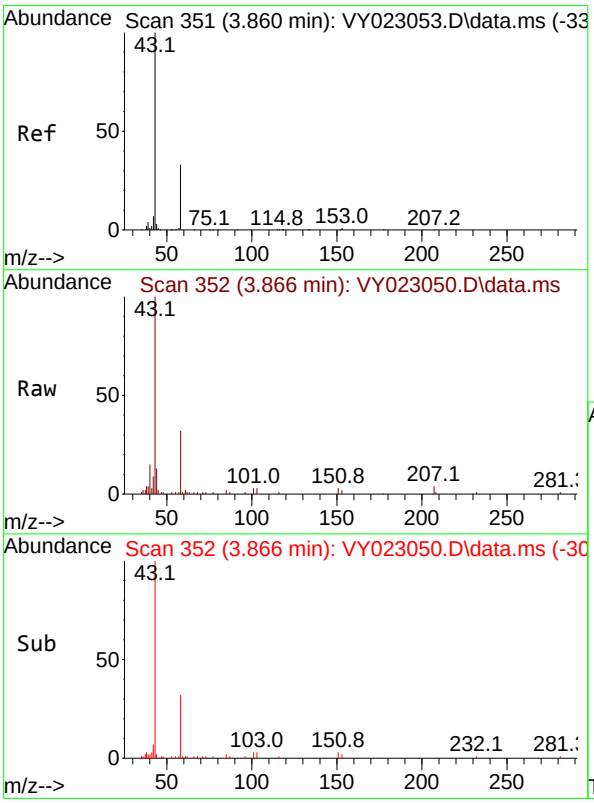
#15
Acrylonitrile
Concen: 23.547 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 28255

Ion	Ratio	Lower	Upper
53	100		
52	84.9	65.3	97.9
51	40.9	29.5	44.3

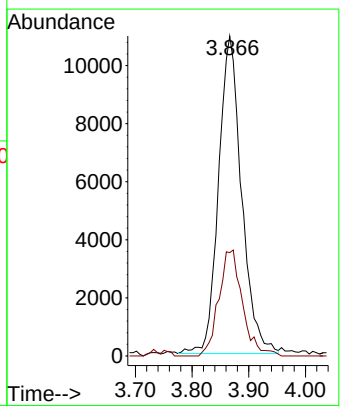


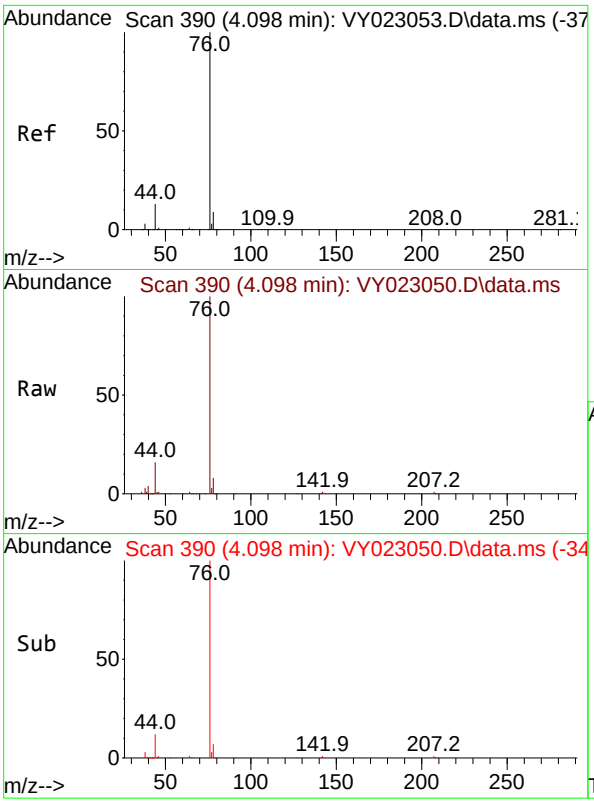


#16
Acetone
Concen: 26.574 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 30803

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.1	40.7



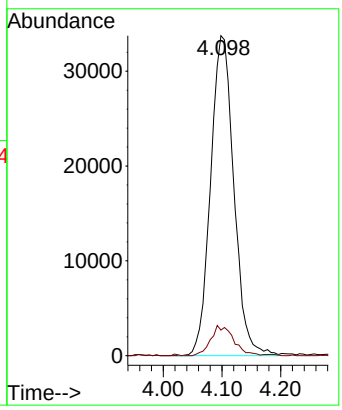


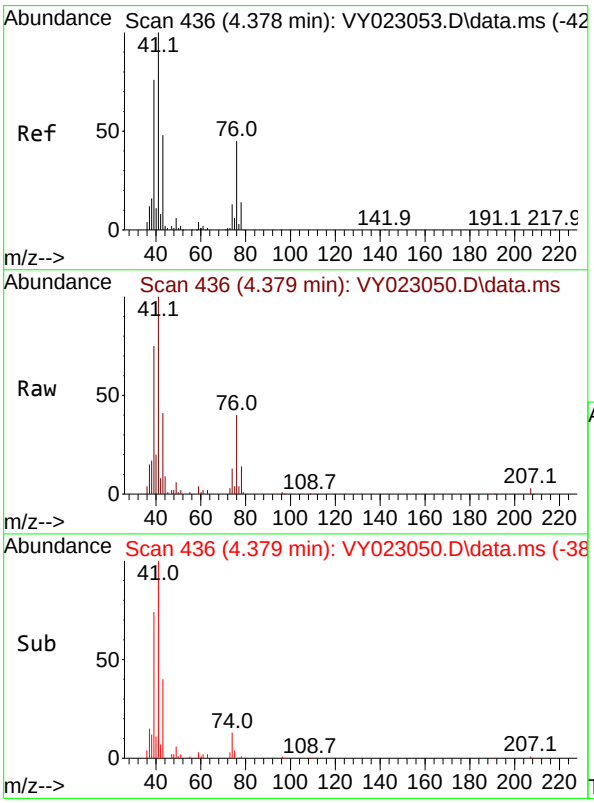
#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 92964

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.4	11.2

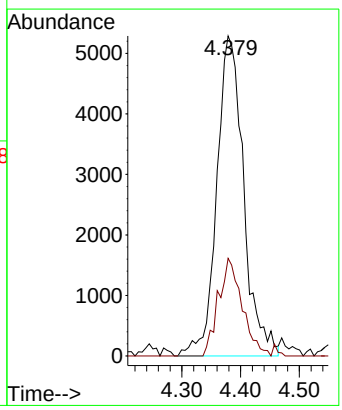


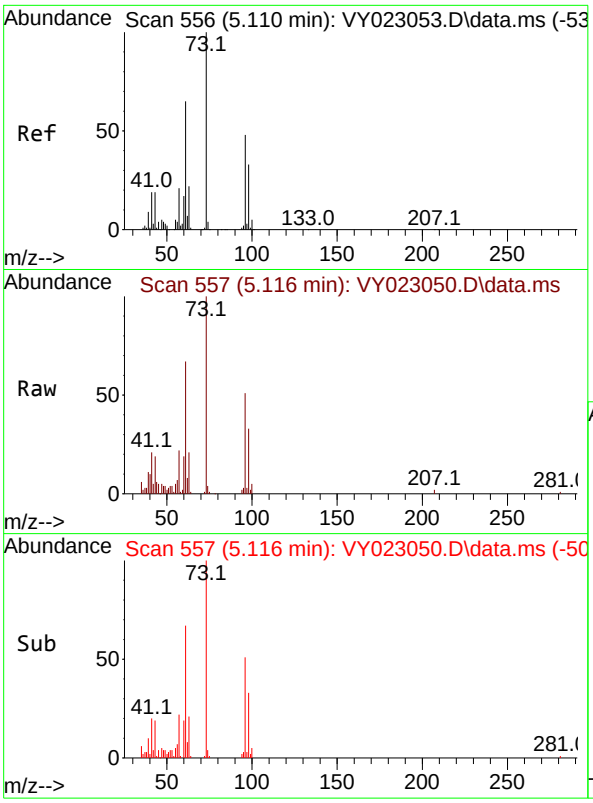


#18
Methyl Acetate
Concen: 4.872 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 16806

Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.2	31.8



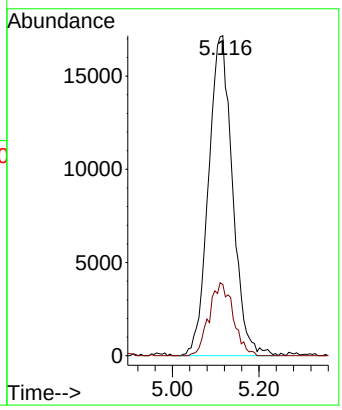


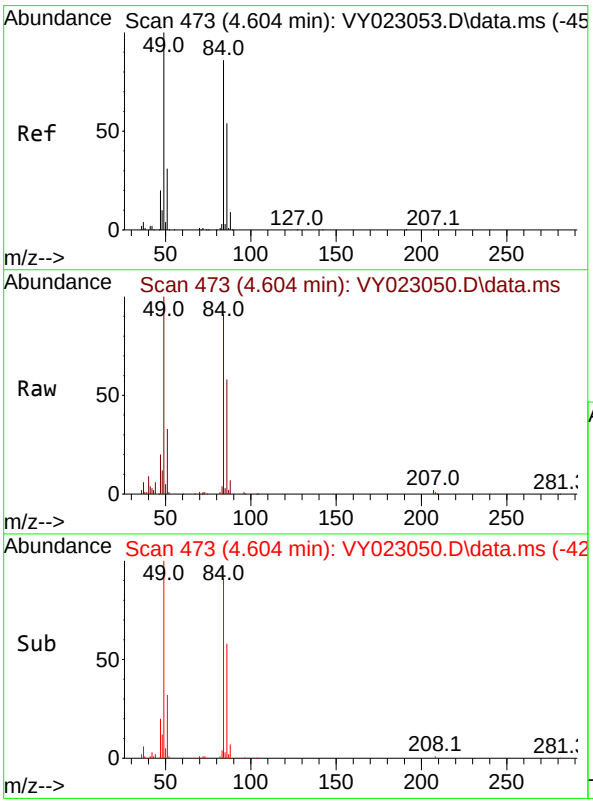
#19
Methyl tert-butyl Ether
Concen: 4.730 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 66308

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.1	25.7

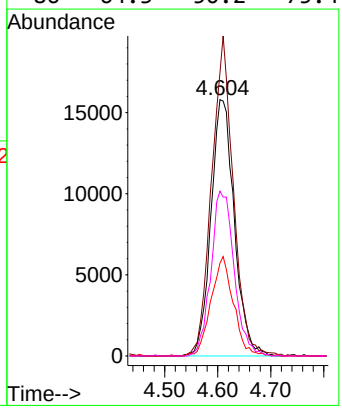


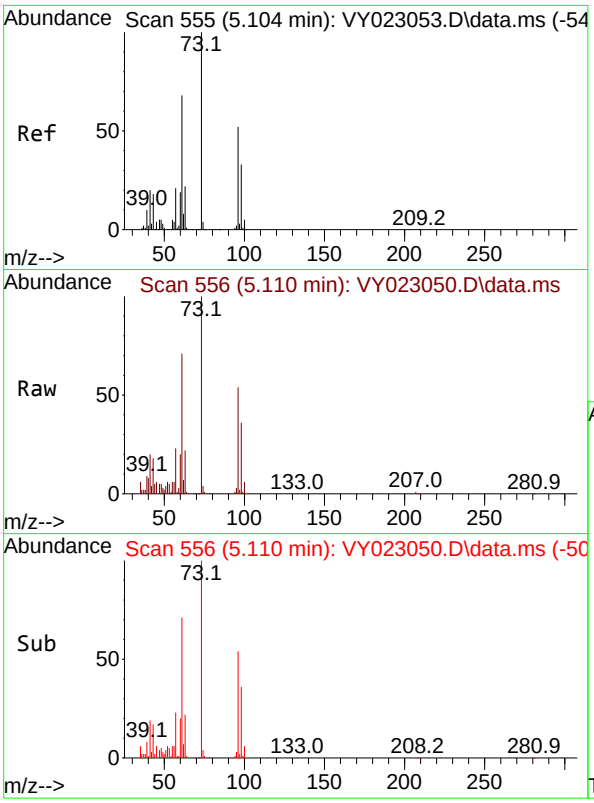


#20
Methylene Chloride
Concen: 5.657 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 84 Resp: 48322

Ion	Ratio	Lower	Upper
84	100		
49	110.5	93.0	139.6
51	36.2	29.0	43.4
86	64.3	50.2	75.4



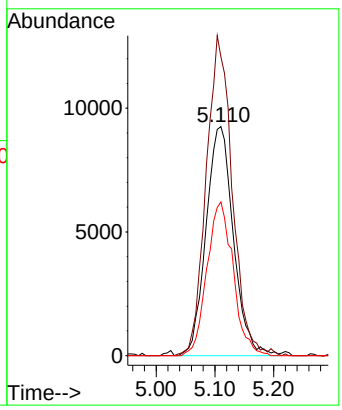


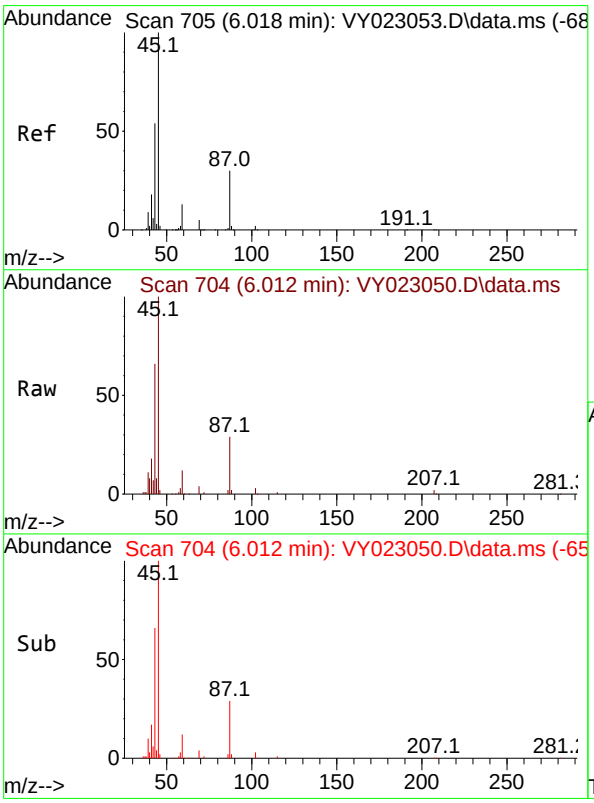
#21
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 30021

Ion	Ratio	Lower	Upper
96	100		
61	129.7	104.8	157.2
98	67.2	50.1	75.1

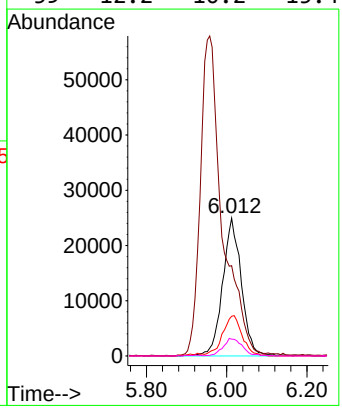


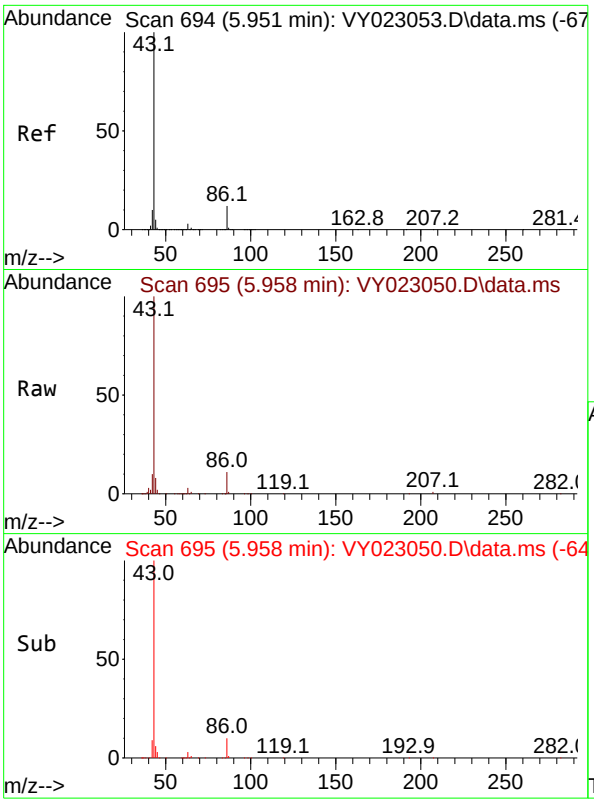


#22
Diisopropyl ether
Concen: 4.679 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 45 Resp: 80938

Ion	Ratio	Lower	Upper
45	100		
43	64.9	43.4	65.0
87	28.9	24.4	36.6
59	12.2	10.2	15.4



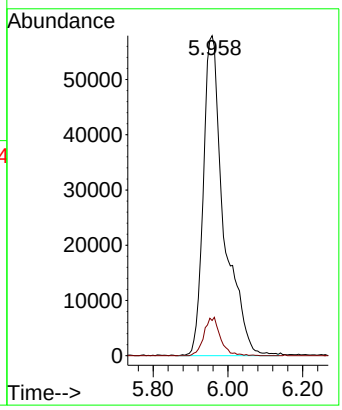


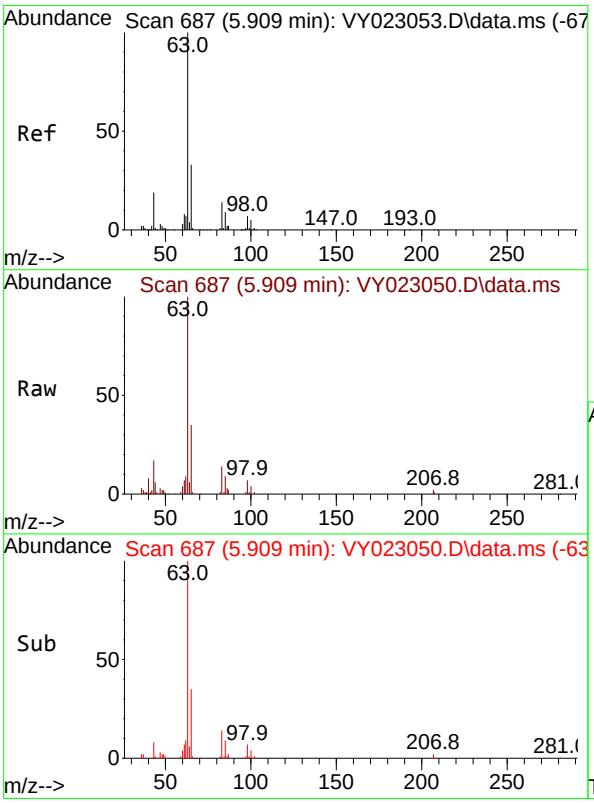
#23
Vinyl Acetate
Concen: 23.196 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 221862

Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.6	14.4

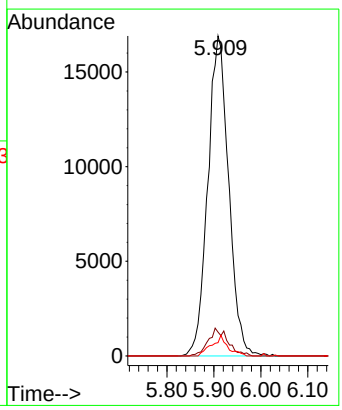


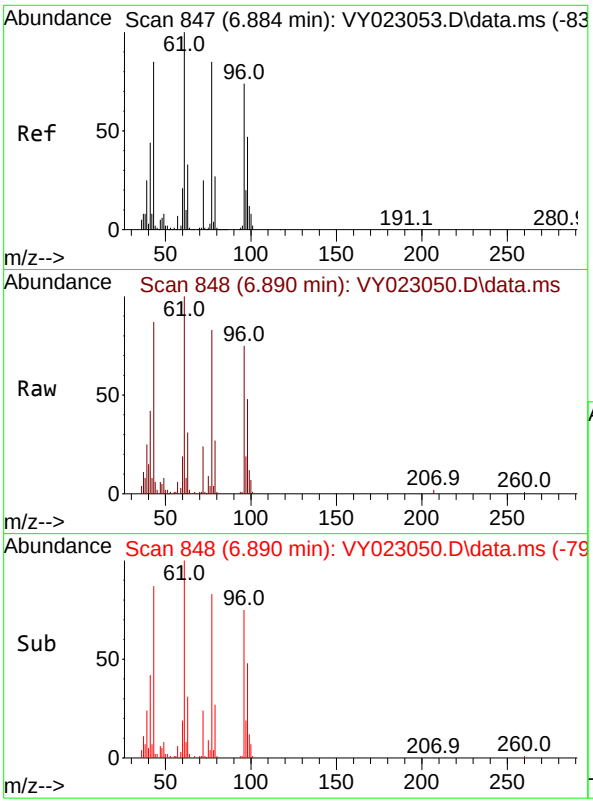


#24
1,1-Dichloroethane
Concen: 4.931 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 52152

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.1	2.4	7.1



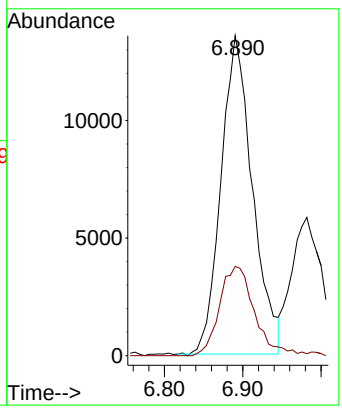


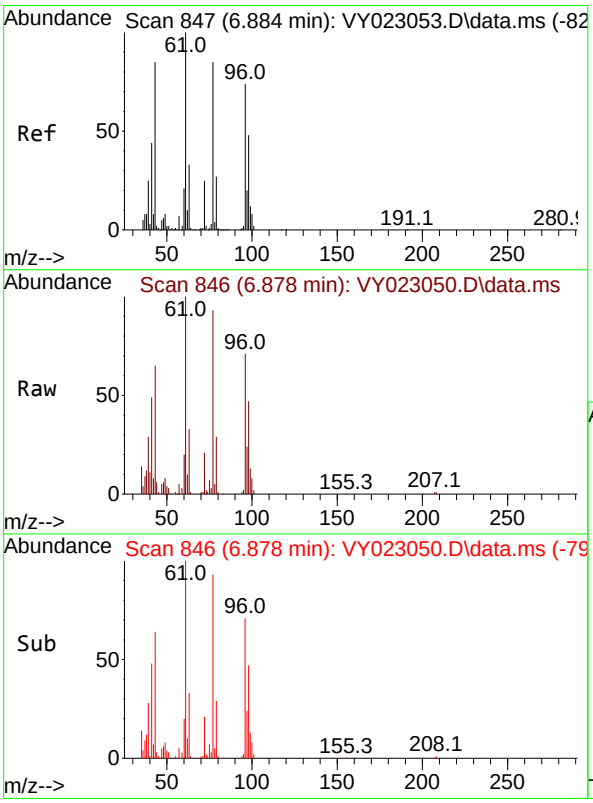
#25
2-Butanone
Concen: 23.991 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 37821

Ion	Ratio	Lower	Upper
43	100		
72	28.0	23.5	35.3

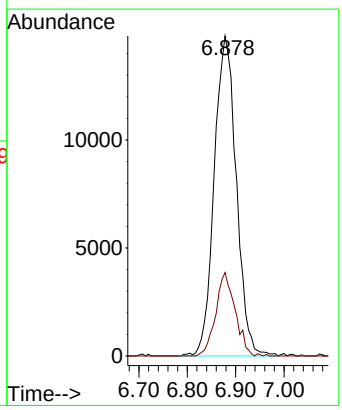


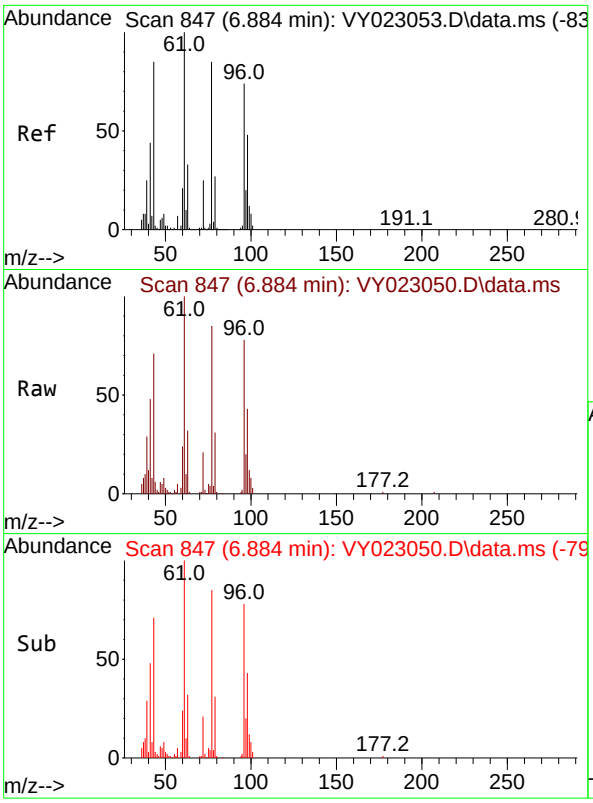


#26
2,2-Dichloropropane
Concen: 5.147 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 77 Resp: 46964

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.6	34.8



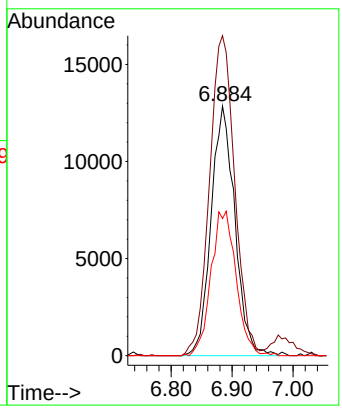


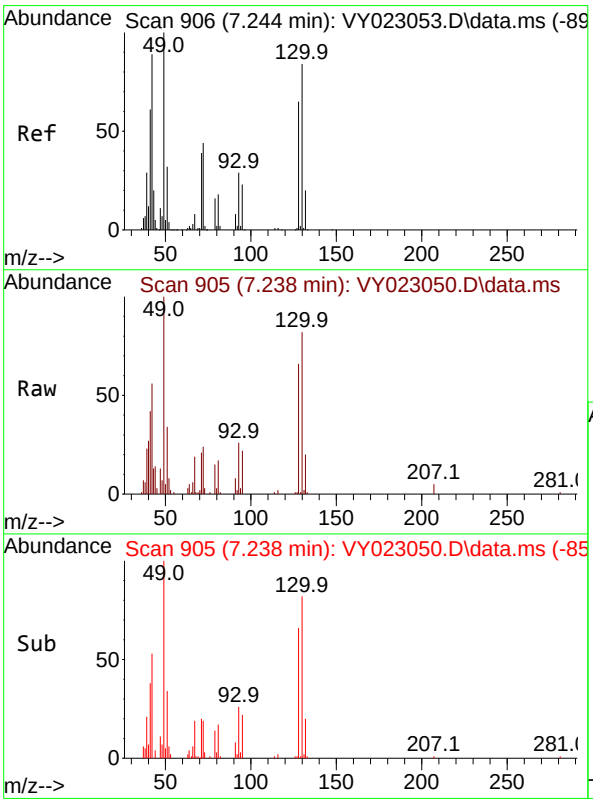
#27
cis-1,2-Dichloroethene
Concen: 4.962 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 34877

Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	278.6
98	61.4	0.0	130.4

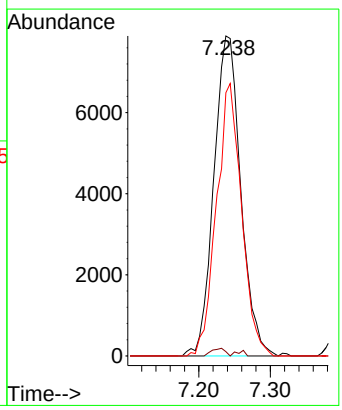


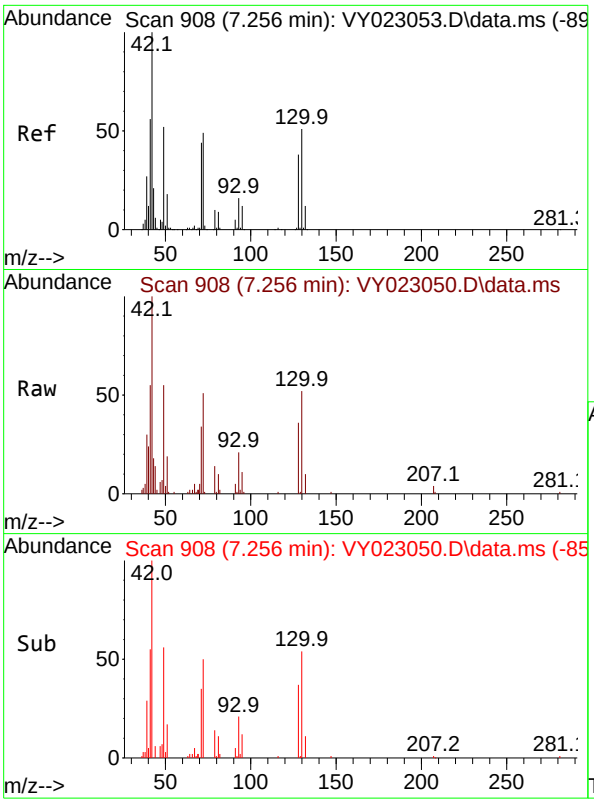


#28
Bromochloromethane
Concen: 4.913 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 49 Resp: 20615

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	79.7	66.4	99.6



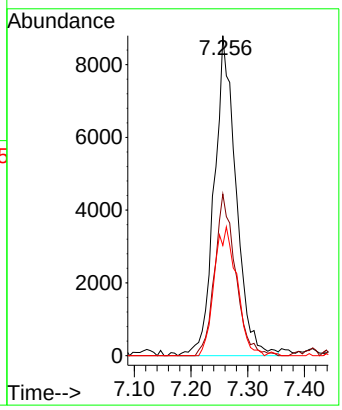


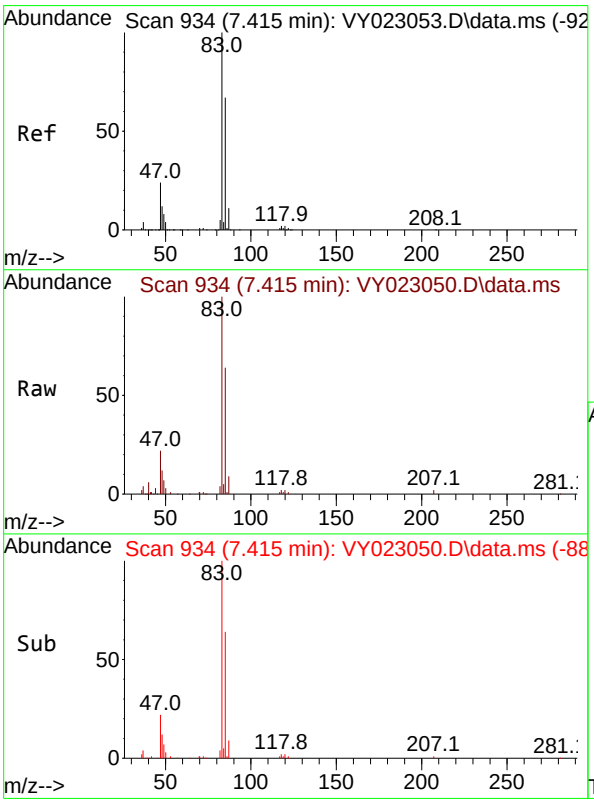
#29
Tetrahydrofuran
Concen: 24.035 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 23487

Ion	Ratio	Lower	Upper
42	100		
72	48.1	39.4	59.2
71	41.8	36.5	54.7

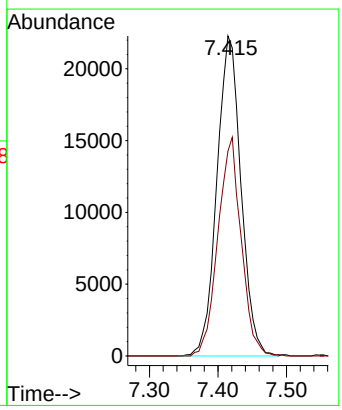


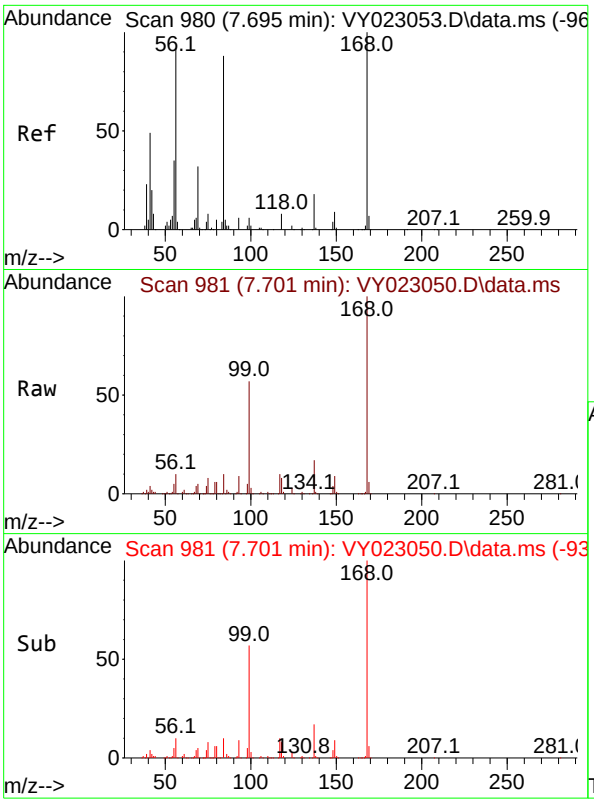


#30
Chloroform
Concen: 4.987 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 83 Resp: 54392

Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.8	80.8



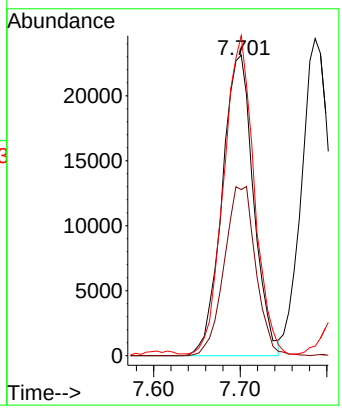


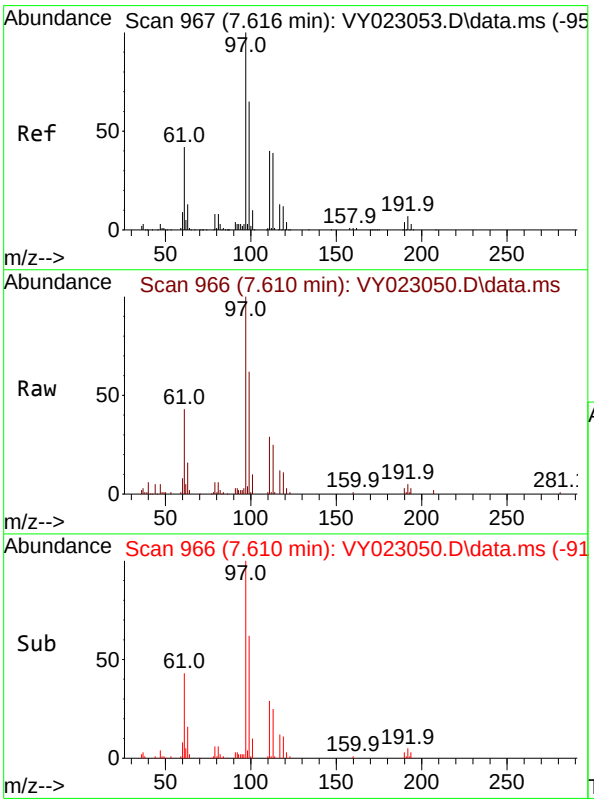
#31
Cyclohexane
Concen: 5.856 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 58362

Ion	Ratio	Lower	Upper
56	100		
69	55.3	28.2	42.2#
84	105.9	76.6	114.8

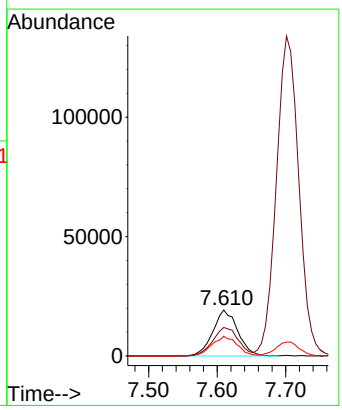


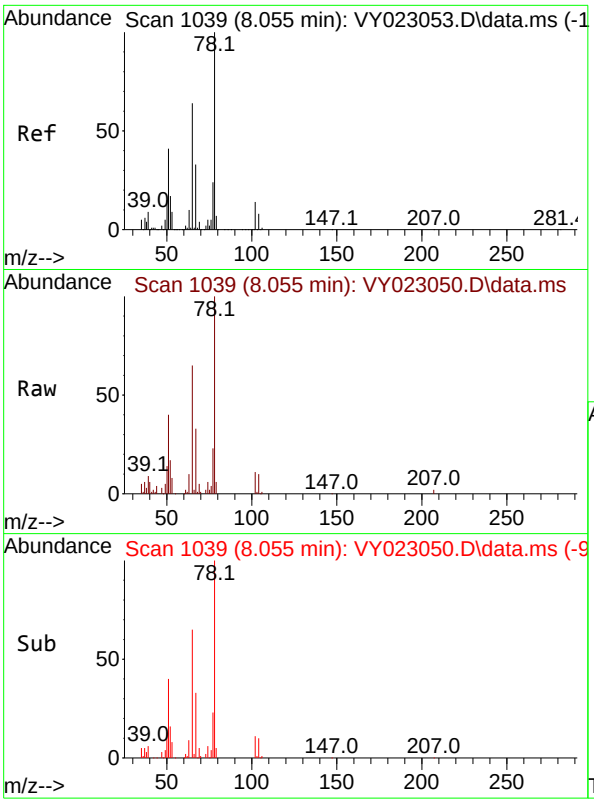


#32
1,1,1-Trichloroethane
Concen: 5.003 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 97 Resp: 48413

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	43.4	34.2	51.2



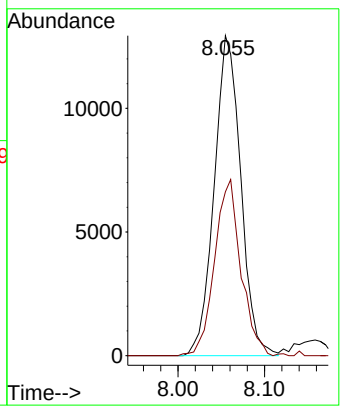


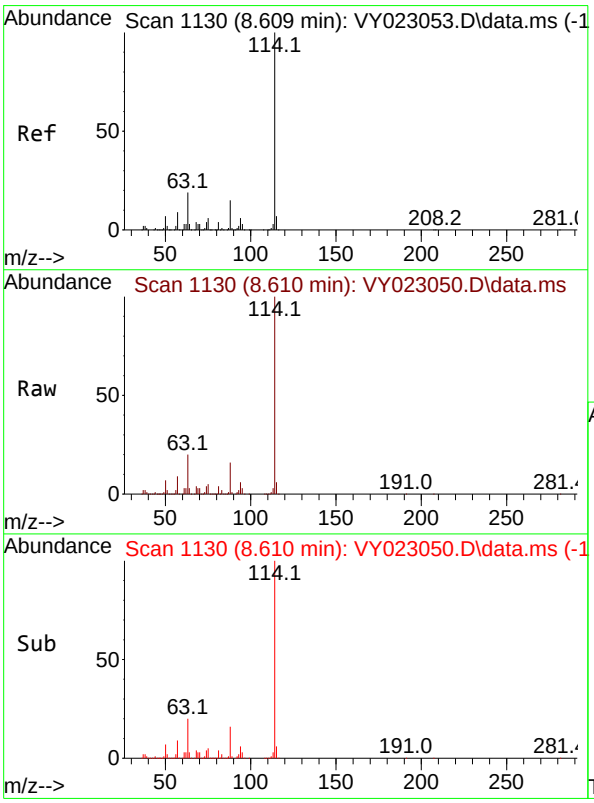
#33
1,2-Dichloroethane-d4
Concen: 5.152 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 27563

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.8

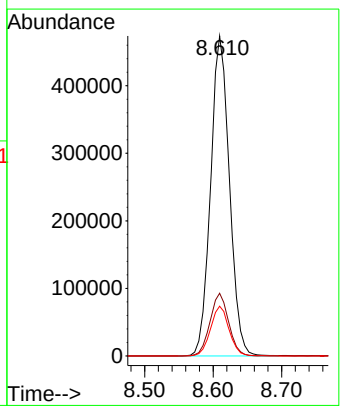


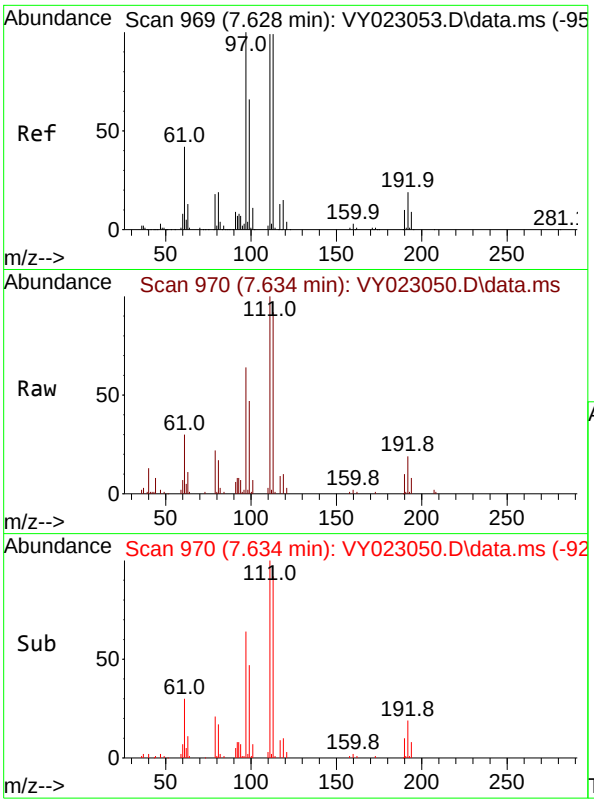


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:114 Resp: 904866

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	15.5	0.0	30.0



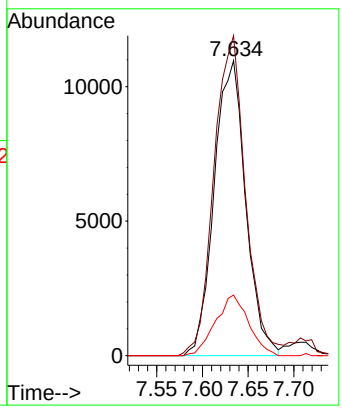


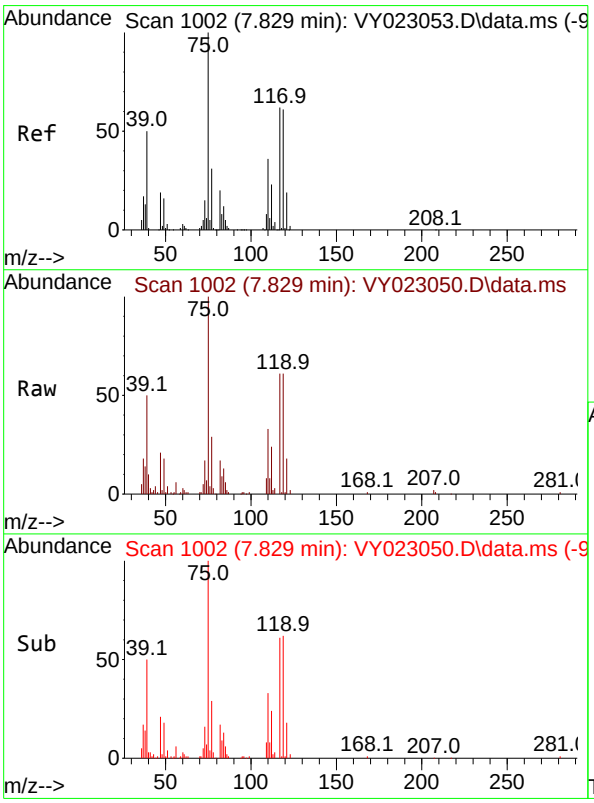
#35
Dibromofluoromethane
Concen: 4.851 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 26265

Ion	Ratio	Lower	Upper
113	100		
111	108.8	81.1	121.7
192	21.6	16.2	24.4

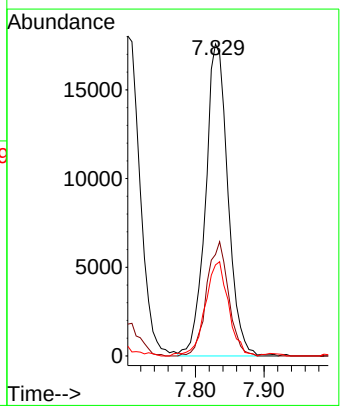


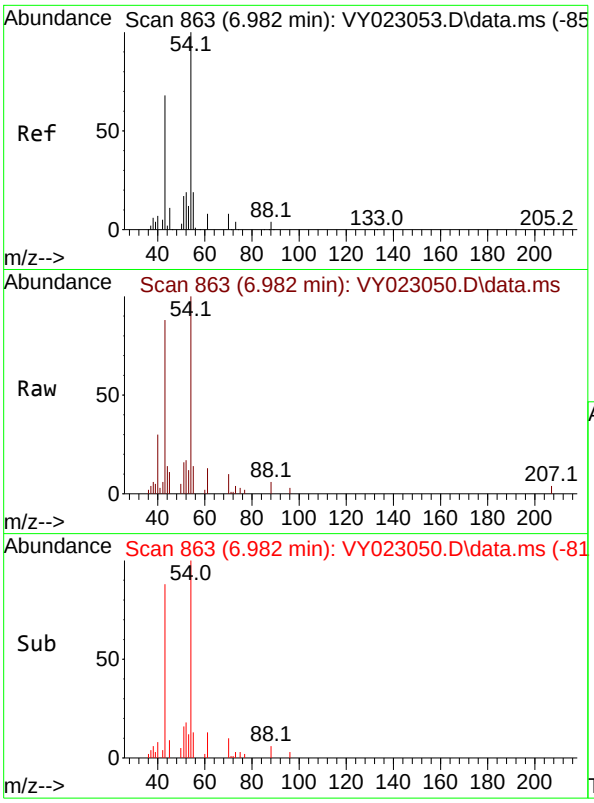


#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 39978

Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.4
77	31.4	24.6	37.0



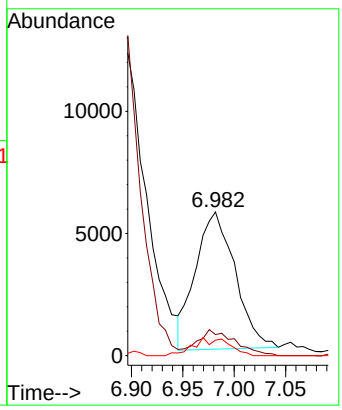


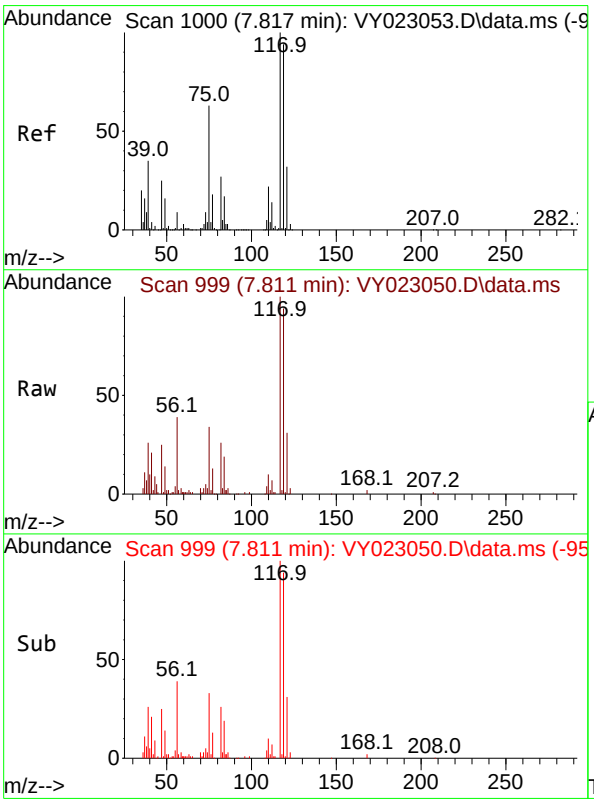
#37
Ethyl Acetate
Concen: 4.461 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15080

Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.9	17.9#
70	11.6	8.8	13.2

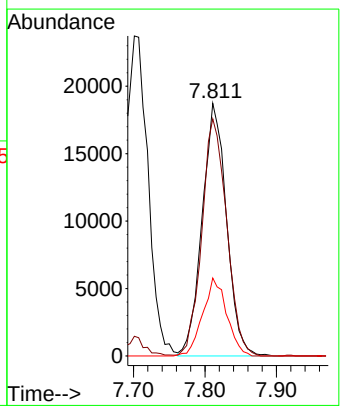


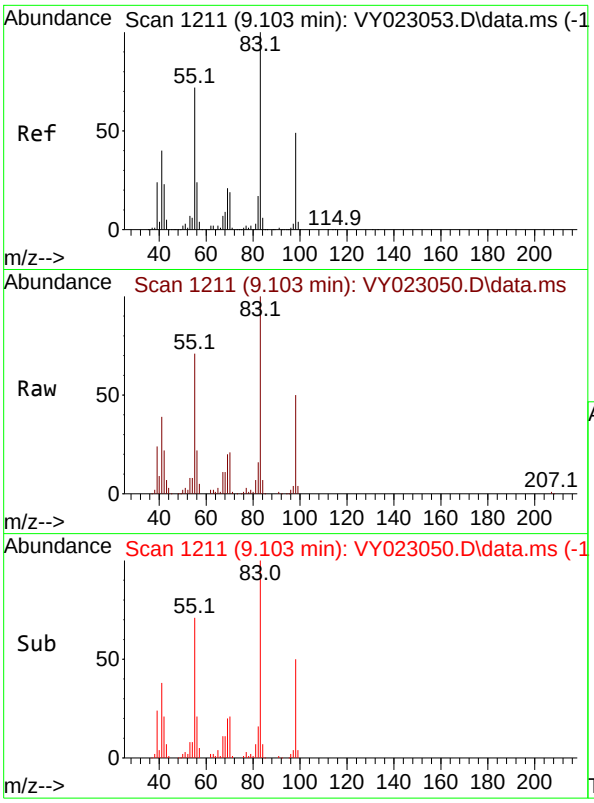


#38
Carbon Tetrachloride
Concen: 5.076 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:117 Resp: 44360

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.6	113.4
121	30.8	25.8	38.8



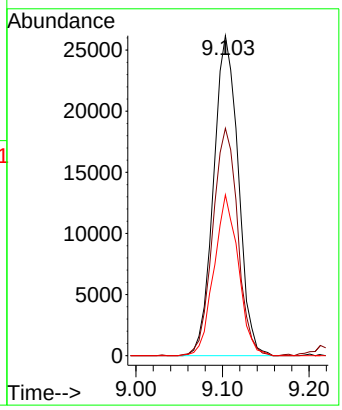


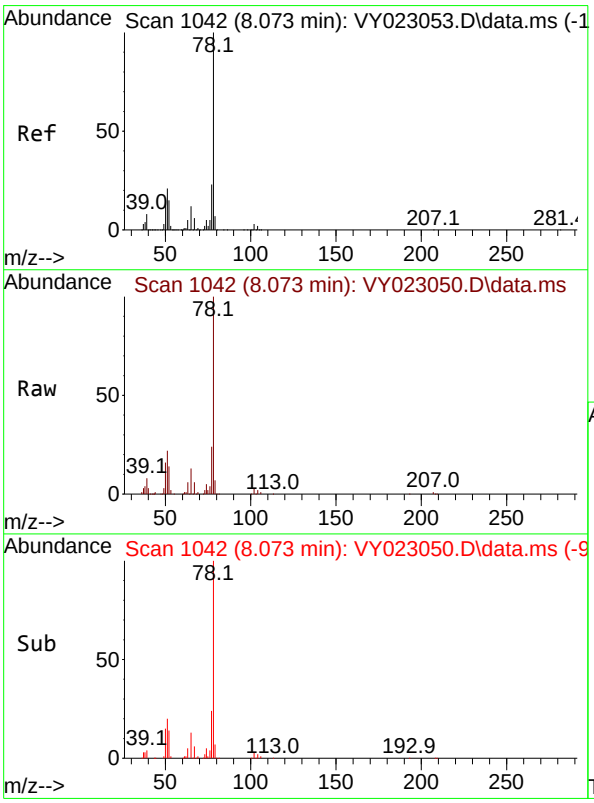
#39
Methylcyclohexane
Concen: 4.901 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 51931

Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.6	86.4
98	50.2	39.2	58.8

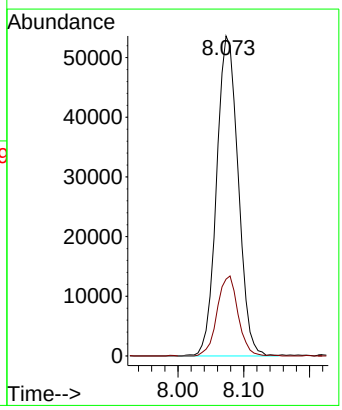


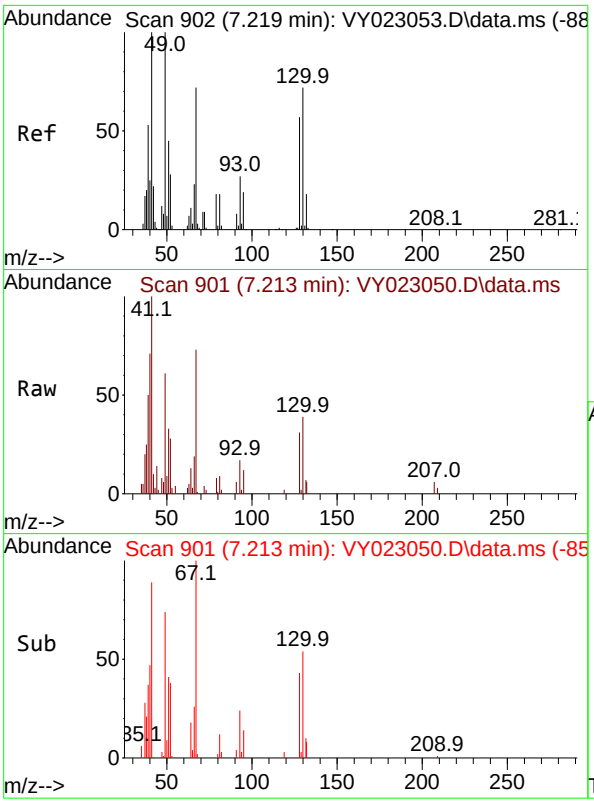


#40
Benzene
Concen: 4.939 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 78 Resp: 122482

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0



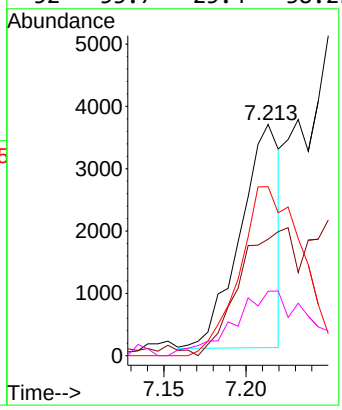


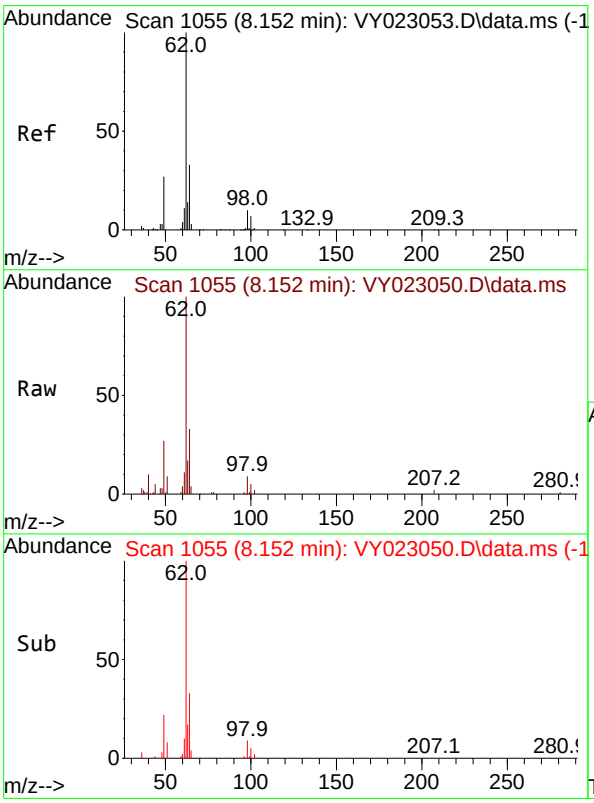
#41
Methacrylonitrile
Concen: 3.075 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 6006

Ion	Ratio	Lower	Upper
41	100		
39	80.4	43.4	65.2#
67	123.5	63.6	95.4#
52	53.7	25.4	38.2#

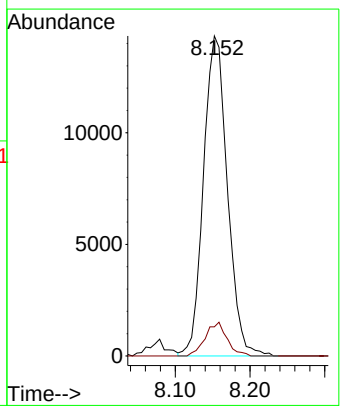


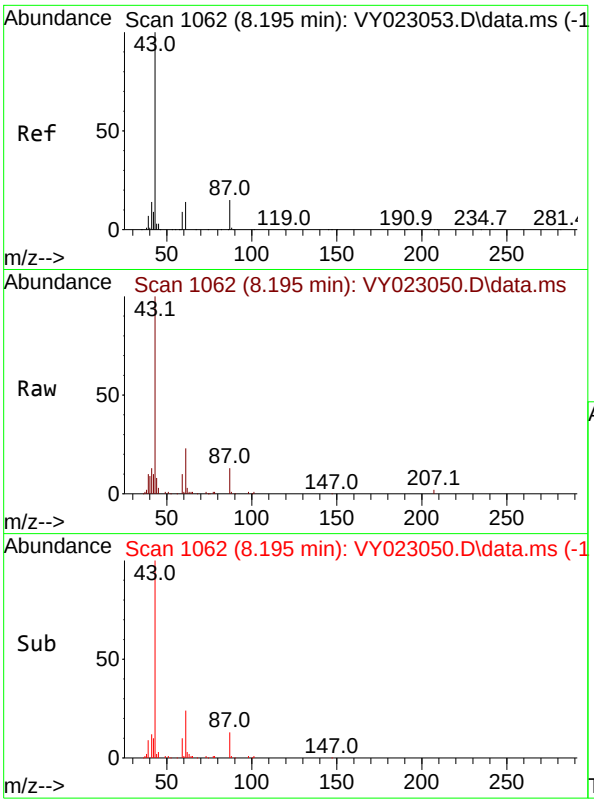


#42
1,2-Dichloroethane
Concen: 4.946 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 31902

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.6



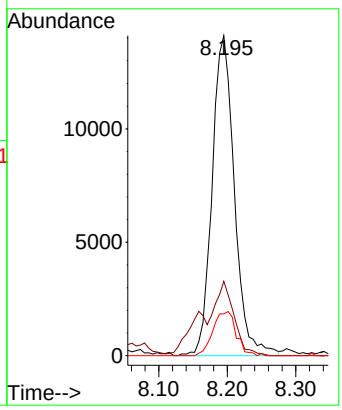


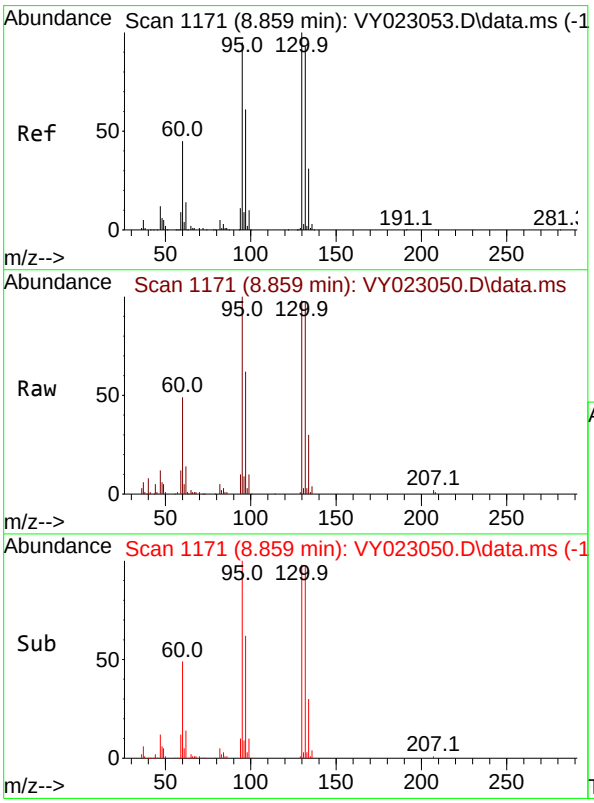
#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31890

Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	14.4	11.8	17.6

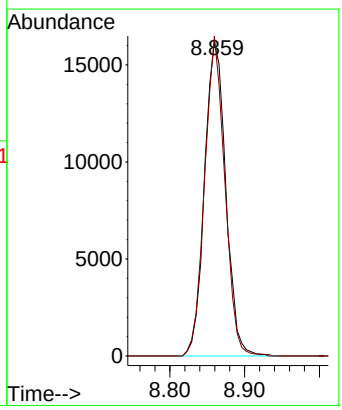


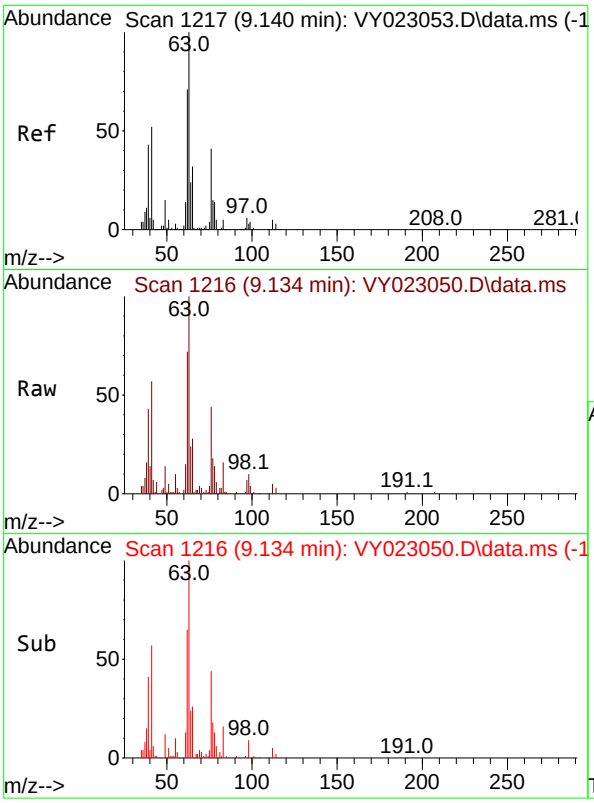


#44
Trichloroethene
Concen: 5.001 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:130 Resp: 32050

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	190.2



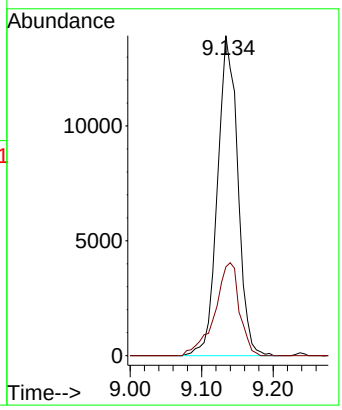


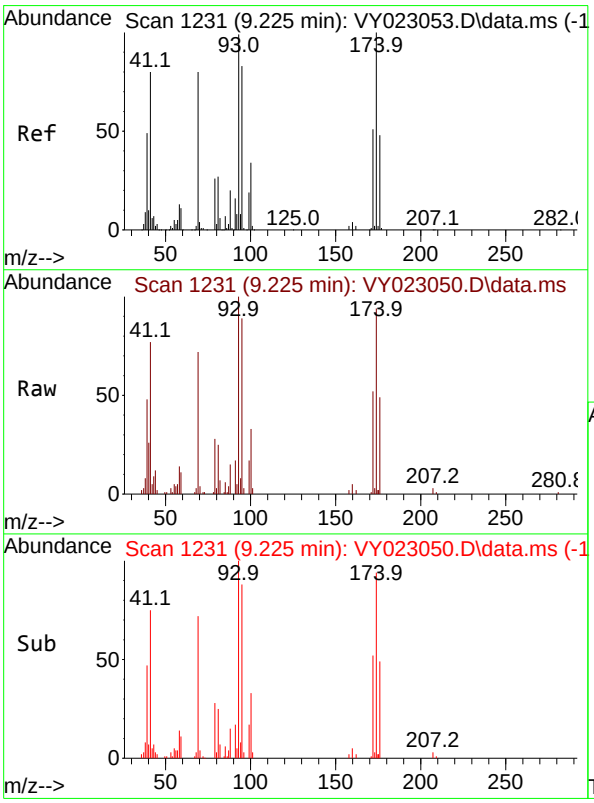
#45
1,2-Dichloropropane
Concen: 4.805 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 27418

Ion	Ratio	Lower	Upper
63	100		
65	27.7	25.3	37.9

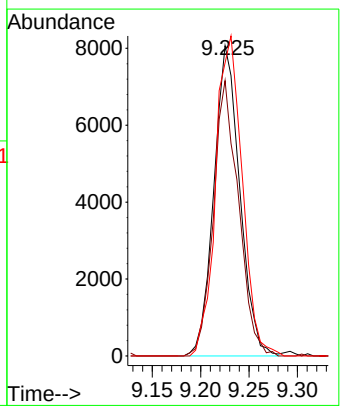


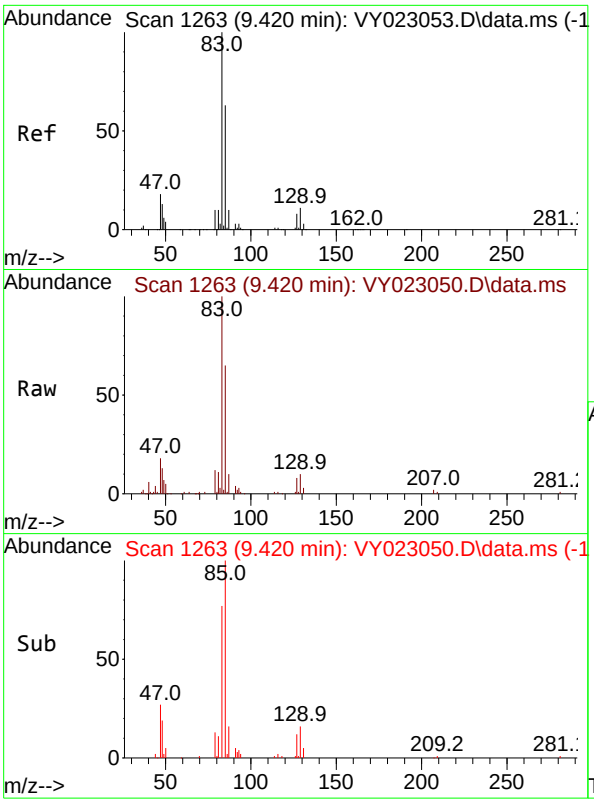


#46
Dibromomethane
Concen: 4.590 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 93 Resp: 15033

Ion	Ratio	Lower	Upper
93	100		
95	86.0	66.5	99.7
174	106.0	81.8	122.8



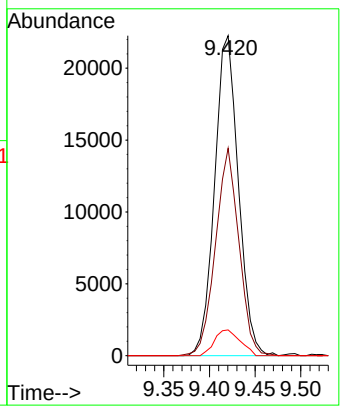


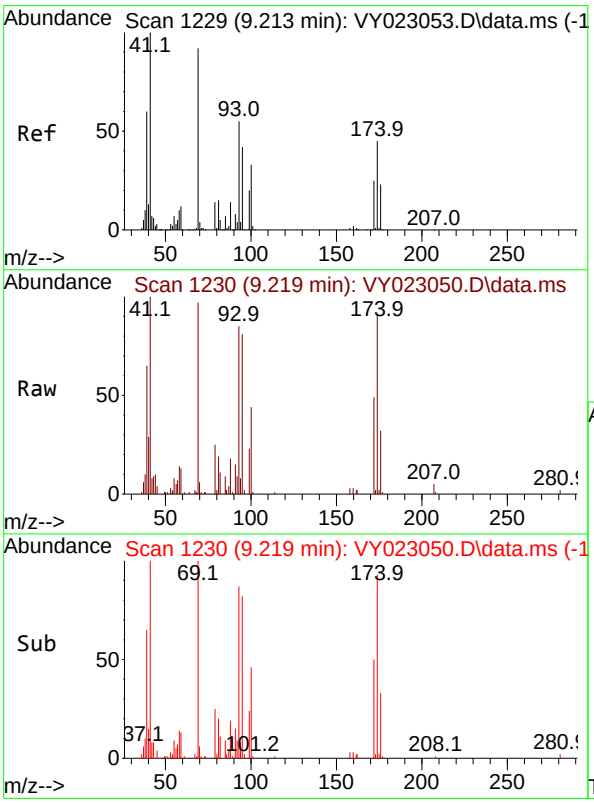
#47
Bromodichloromethane
Concen: 4.785 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 40327

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.4
127	8.1	6.6	10.0

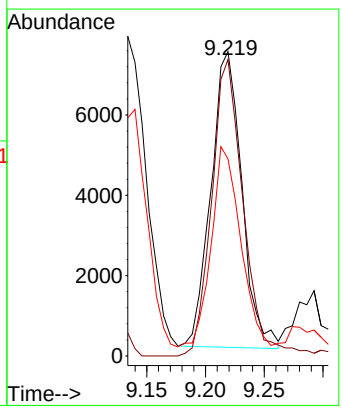


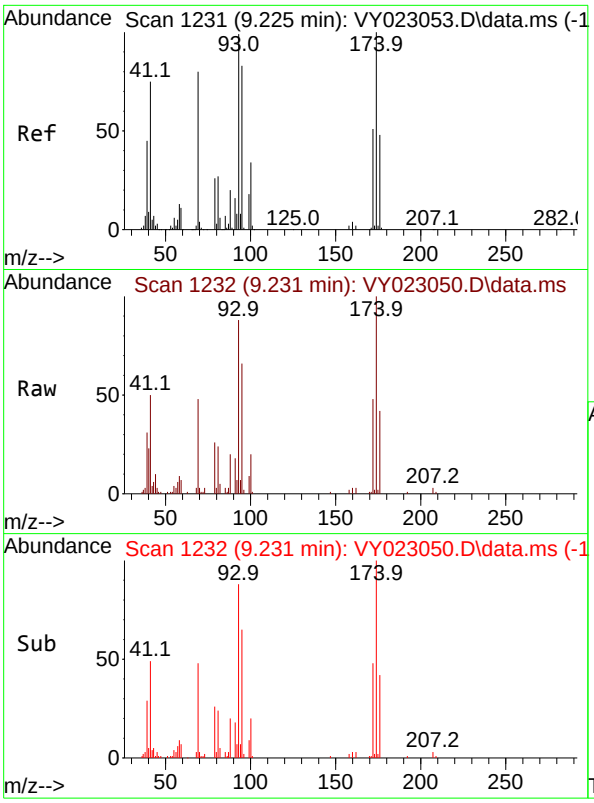


#48
Methyl methacrylate
Concen: 4.122 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 13477

Ion	Ratio	Lower	Upper
41	100		
69	102.1	73.2	109.8
39	65.2	47.0	70.4



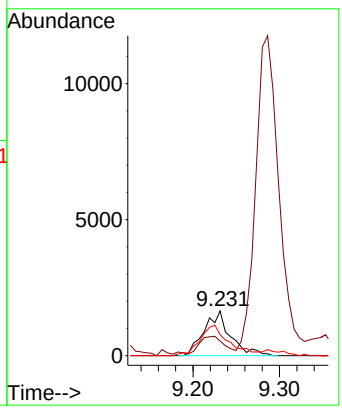


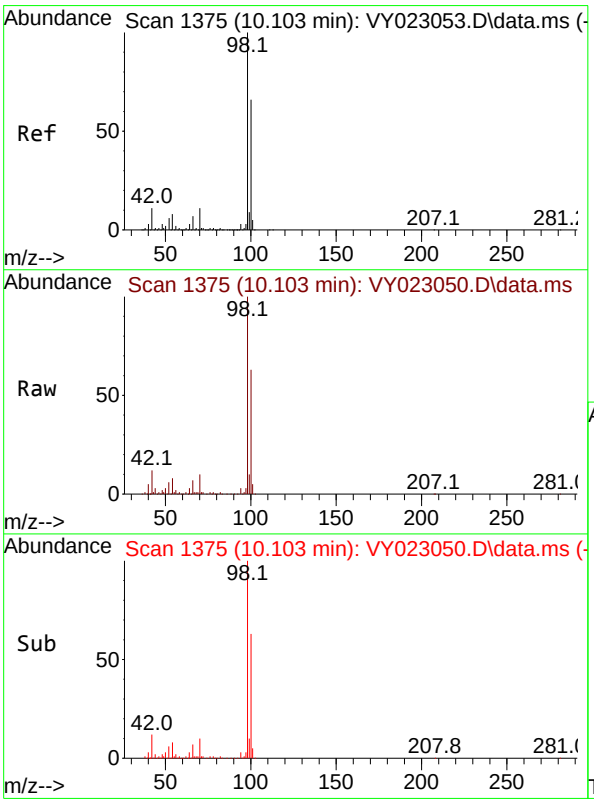
#49
1,4-Dioxane
Concen: 89.939 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3454

Ion	Ratio	Lower	Upper
88	100		
43	38.3	24.3	36.5#
58	74.4	55.4	83.0

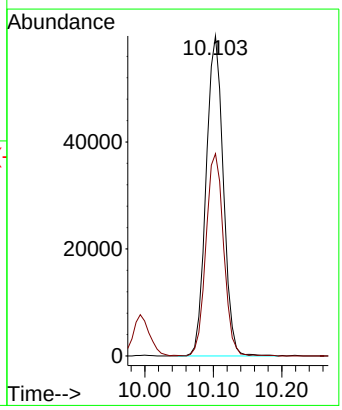


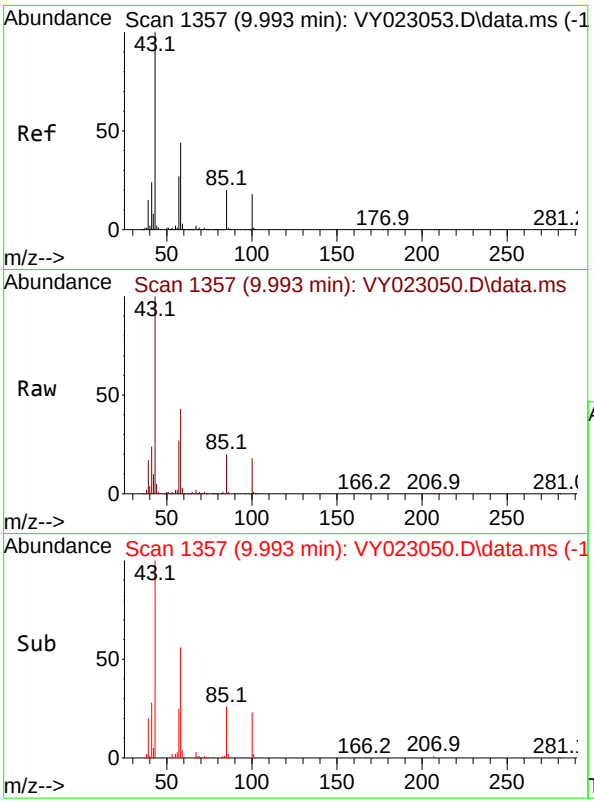


#50
Toluene-d8
Concen: 4.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 98 Resp: 104144

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5



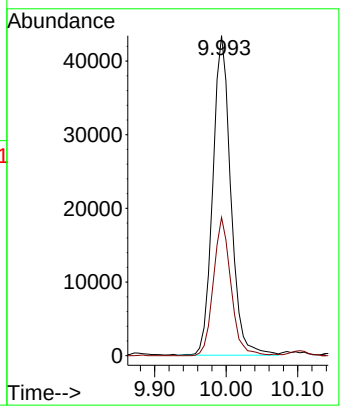


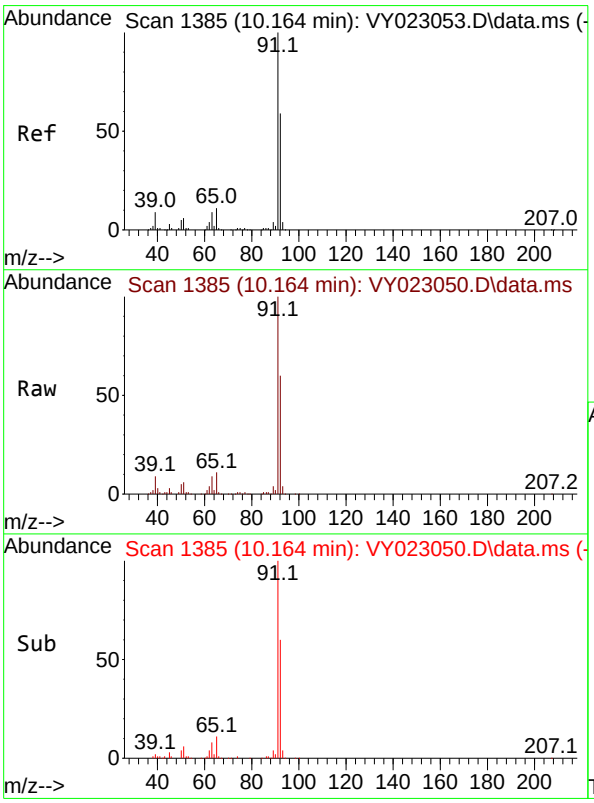
#51
4-Methyl-2-Pentanone
Concen: 21.535 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 75891

Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.5	50.3

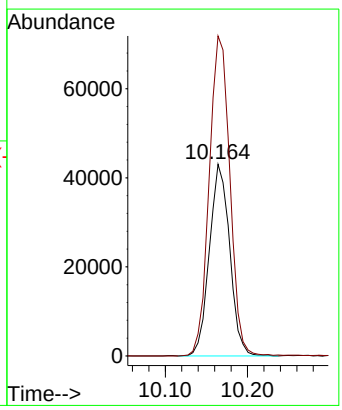


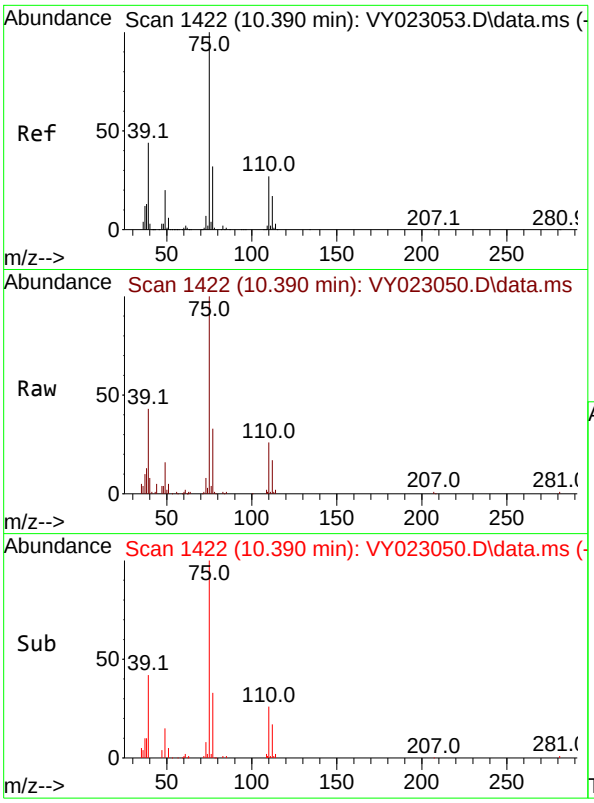


#52
Toluene
Concen: 4.692 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 92 Resp: 73910

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.4	204.6



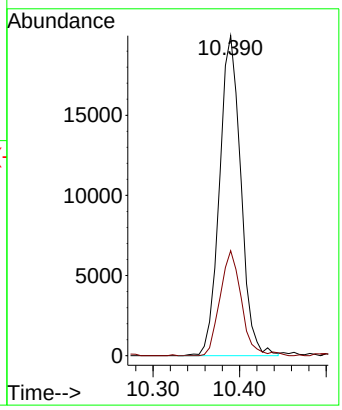


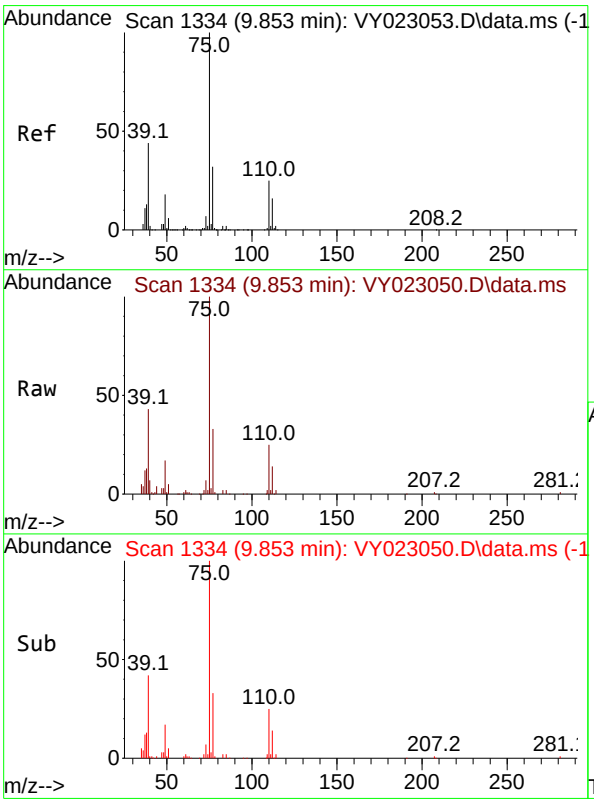
#53
t-1,3-Dichloropropene
Concen: 4.475 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 34154

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.7	38.5

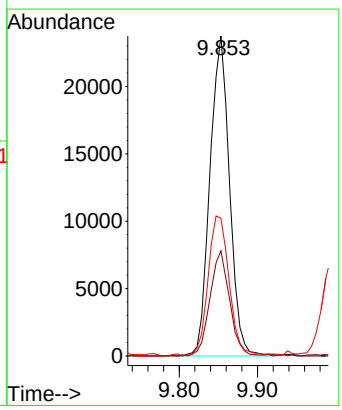


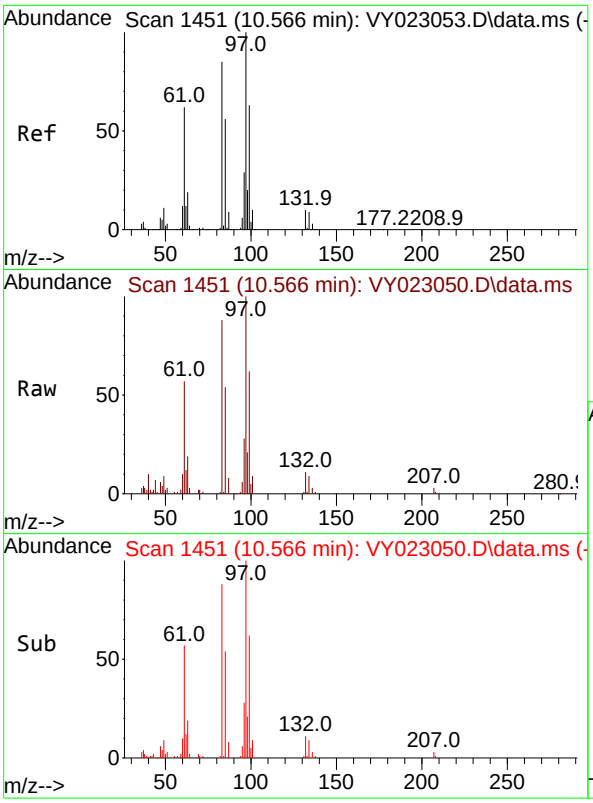


#54
cis-1,3-Dichloropropene
Concen: 4.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 41326

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	42.5	35.6	53.4



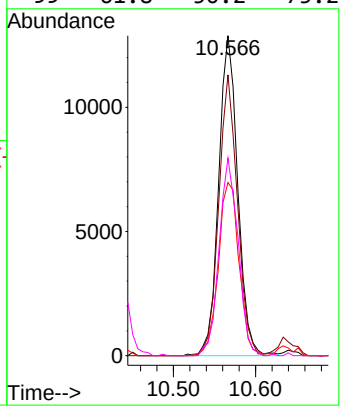


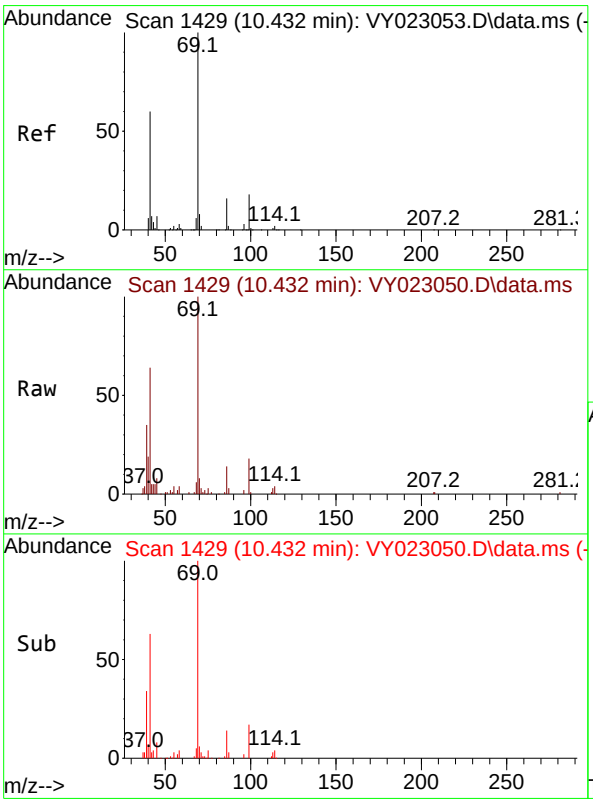
#55
1,1,2-Trichloroethane
Concen: 4.745 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 20795

Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.7	101.5
85	54.1	44.5	66.7
99	61.8	50.2	75.2

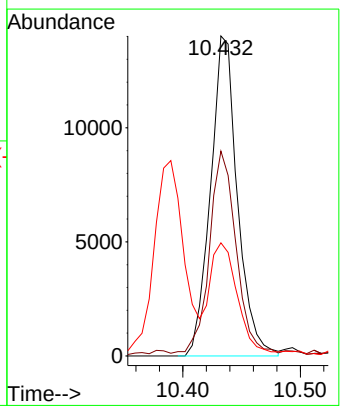


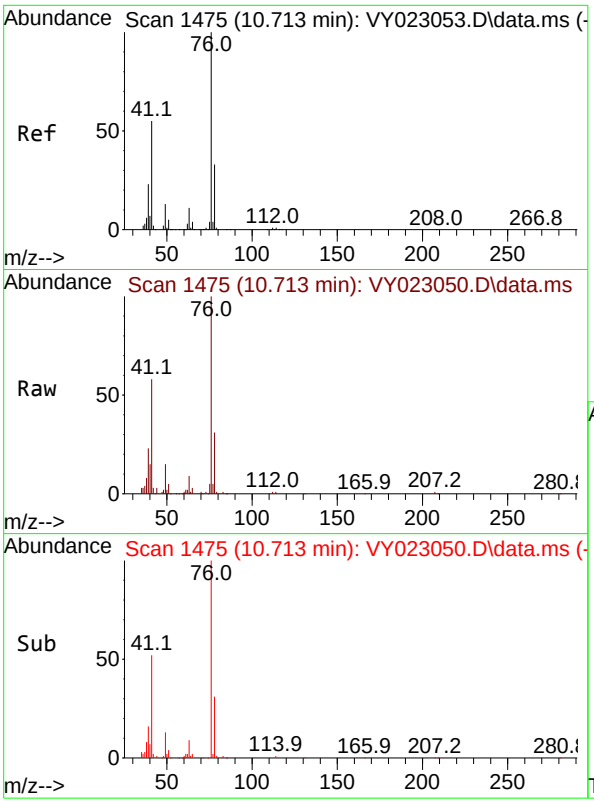


#56
Ethyl methacrylate
Concen: 3.990 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 69 Resp: 22376

Ion	Ratio	Lower	Upper
69	100		
41	61.6	48.6	72.8
39	34.3	27.0	40.4



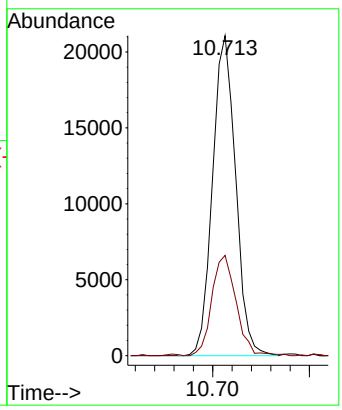


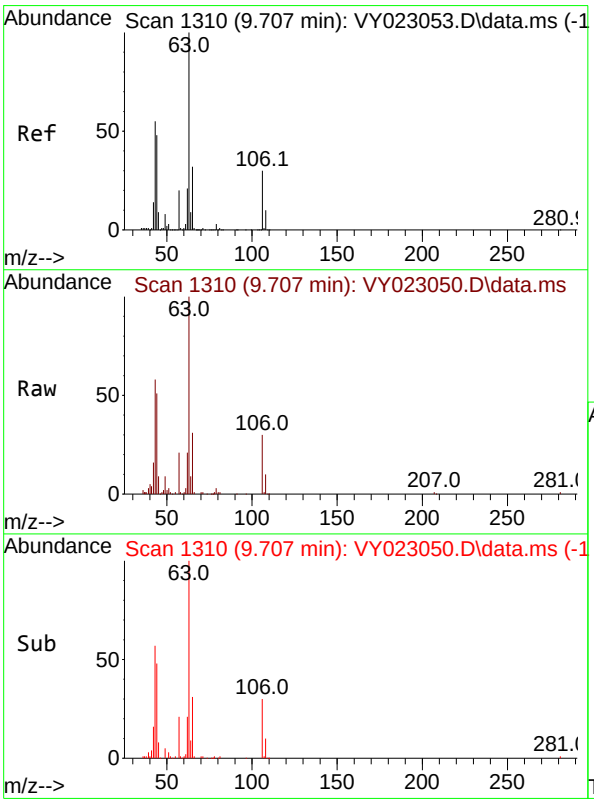
#57
1,3-Dichloropropane
Concen: 4.687 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34835

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0

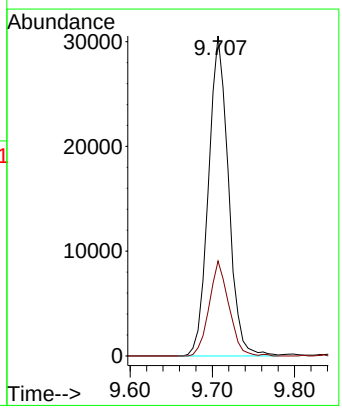


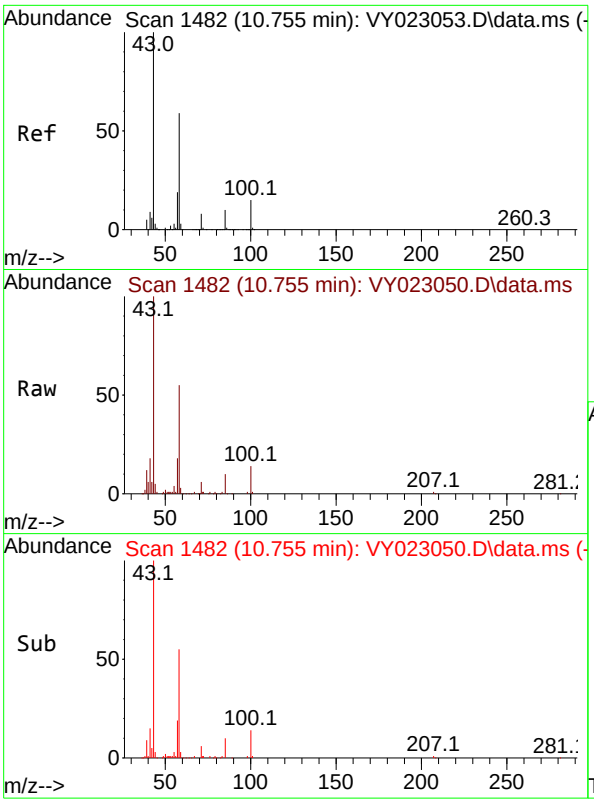


#58
2-Chloroethyl Vinyl ether
Concen: 19.500 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 51585

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.2	34.8



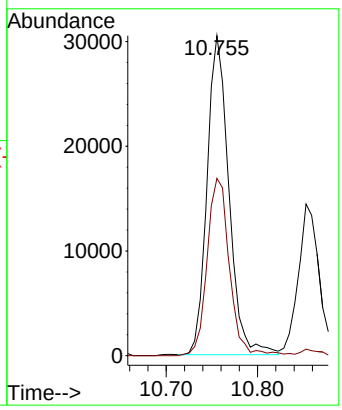


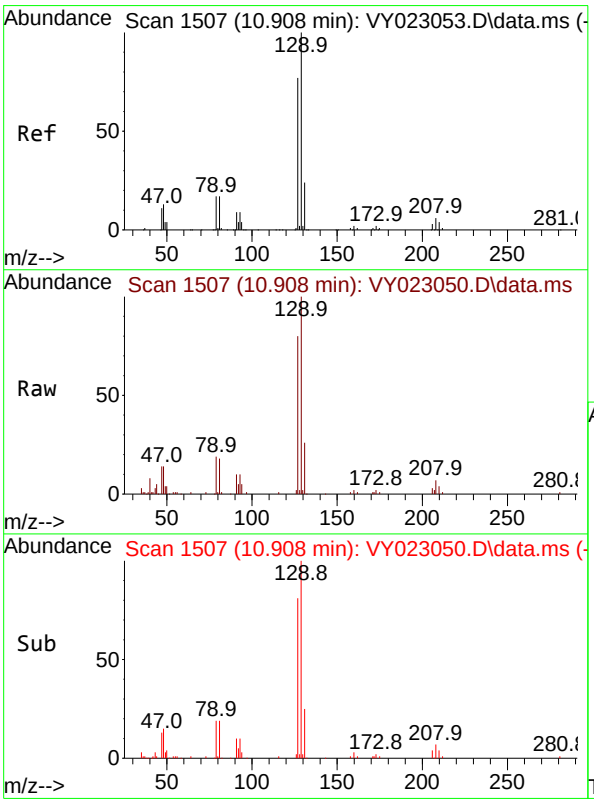
#59
2-Hexanone
Concen: 21.088 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 50604

Ion	Ratio	Lower	Upper
43	100		
58	56.9	29.5	88.5

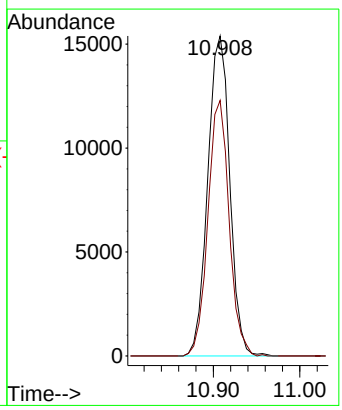


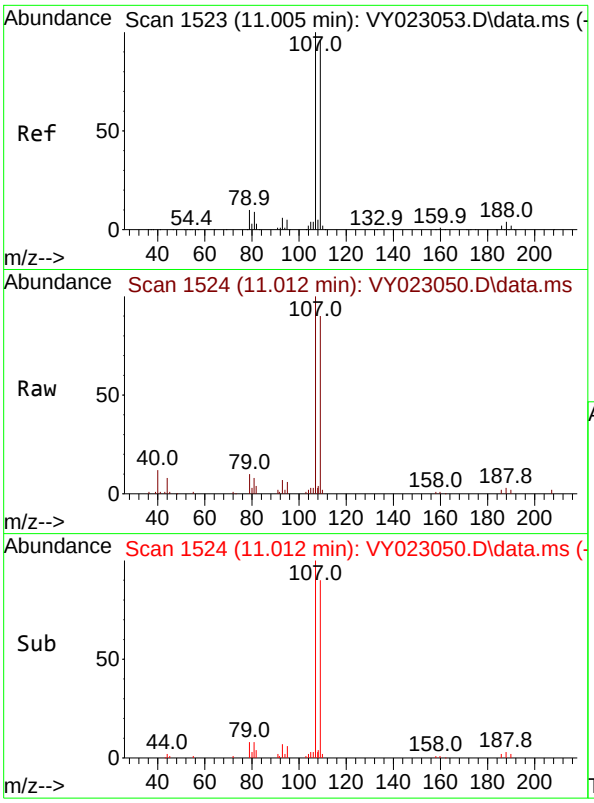


#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:129 Resp: 27141

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



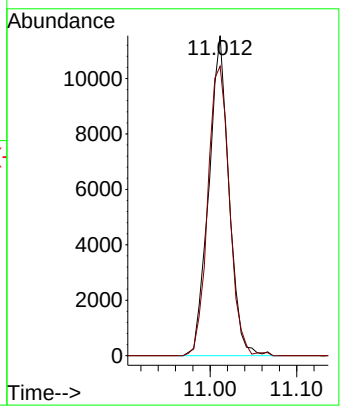


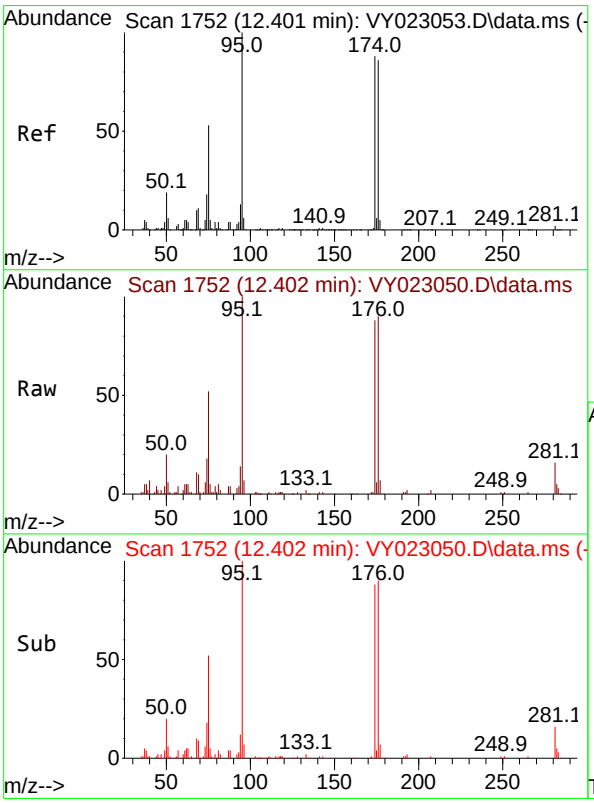
#61
1,2-Dibromoethane
Concen: 4.528 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 18652

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.6	113.4

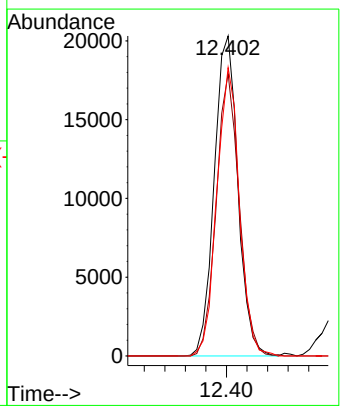


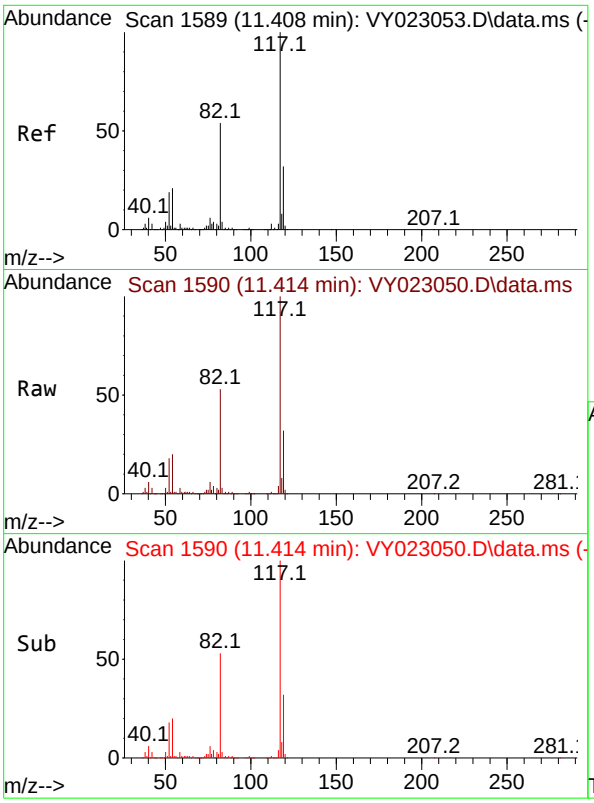


#62
4-Bromofluorobenzene
Concen: 4.766 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 95 Resp: 32420

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	171.6
176	86.1	0.0	167.6



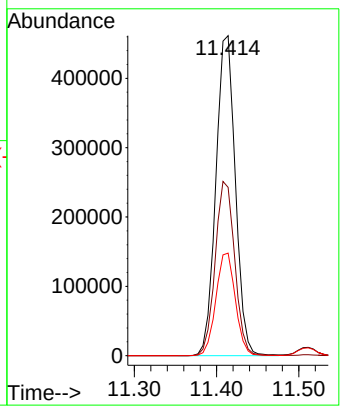


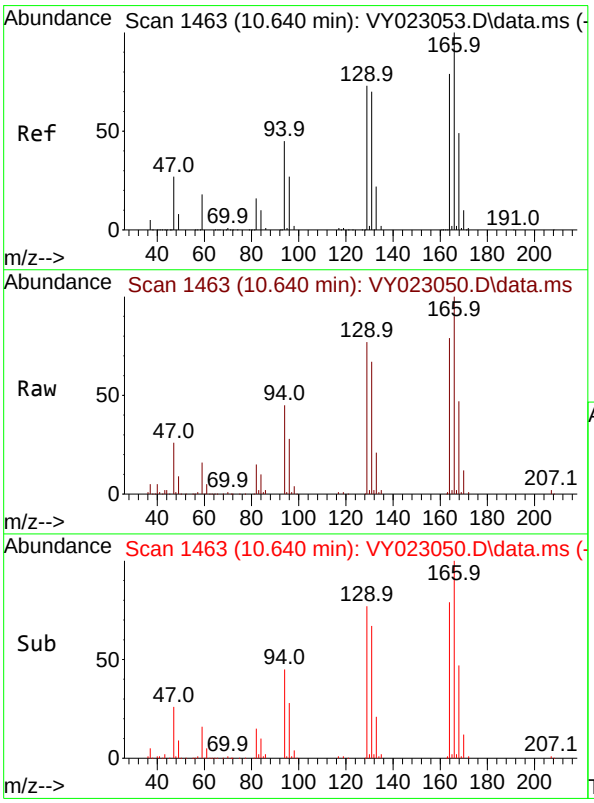
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 759914

Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.4	65.0
119	32.1	25.6	38.4

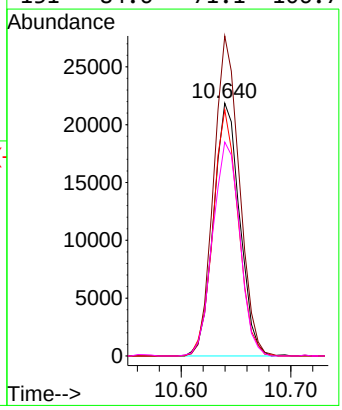


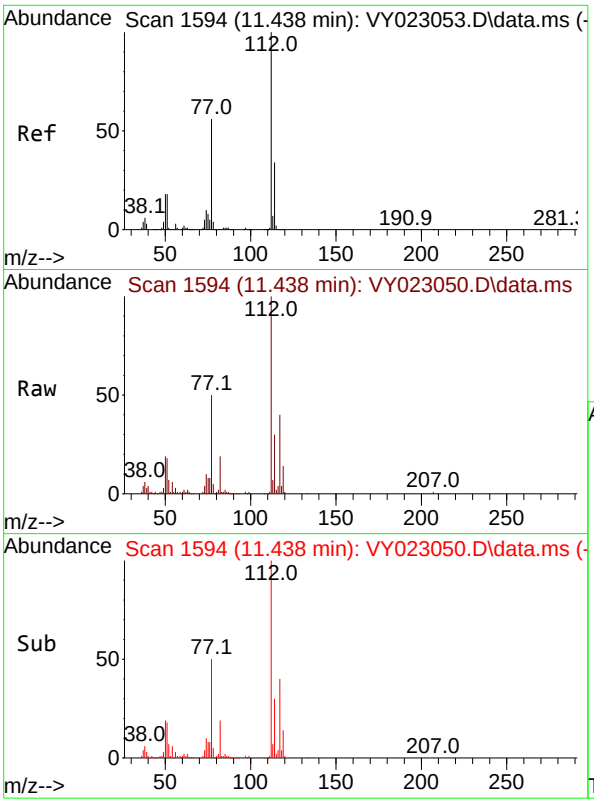


#64
Tetrachloroethene
Concen: 5.336 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:164 Resp: 36210

Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.1	151.7
129	97.4	74.0	111.0
131	84.6	71.1	106.7



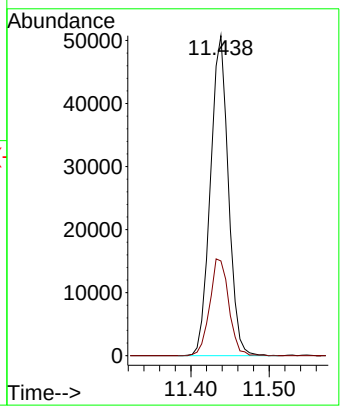


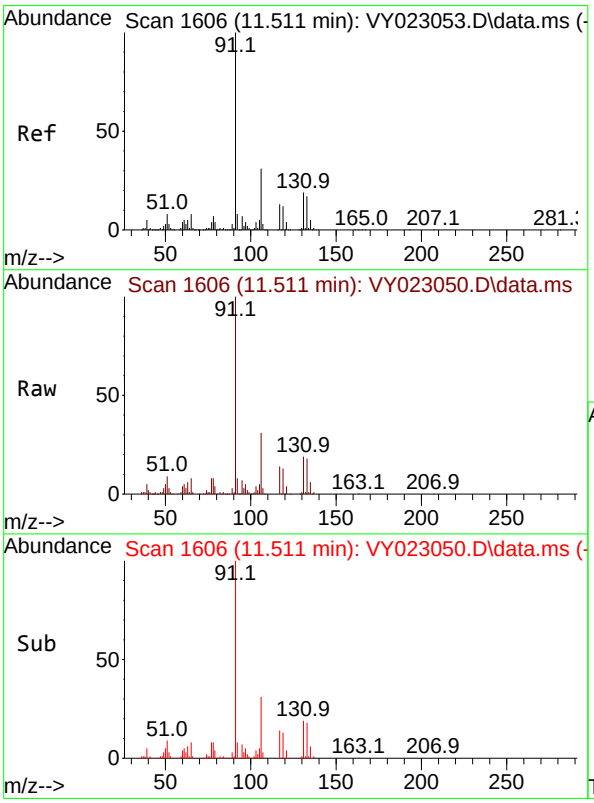
#65
Chlorobenzene
Concen: 4.922 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 80684

Ion	Ratio	Lower	Upper
112	100		
114	29.6	27.0	40.4

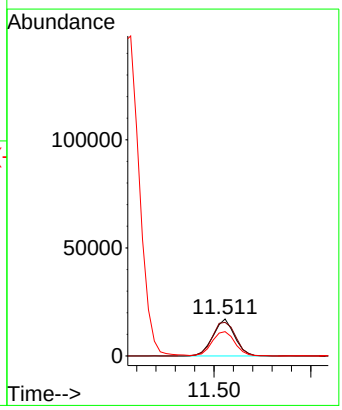


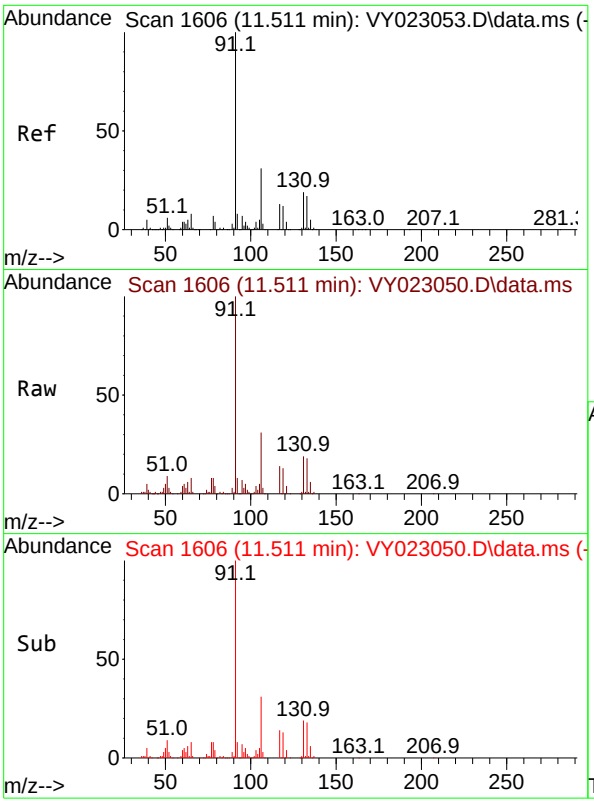


#66
1,1,1,2-Tetrachloroethane
Concen: 4.745 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:131 Resp: 26397

Ion	Ratio	Lower	Upper
131	100		
133	100.6	46.9	140.6
119	70.6	33.2	99.6



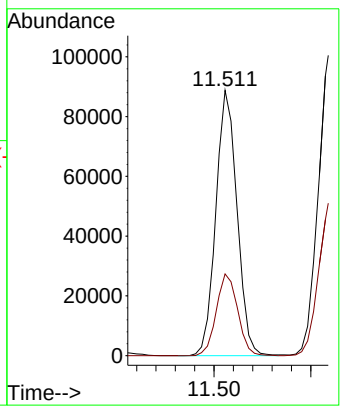


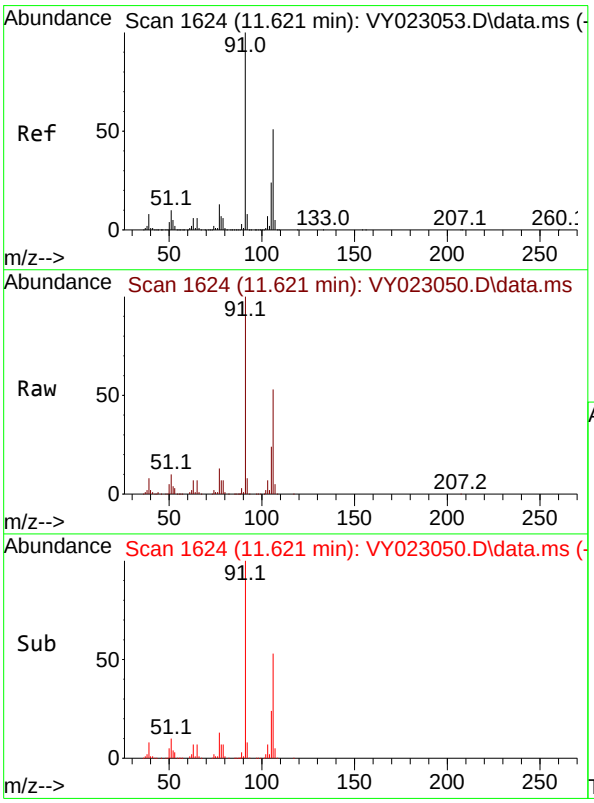
#67
Ethyl Benzene
Concen: 4.781 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 134854

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4

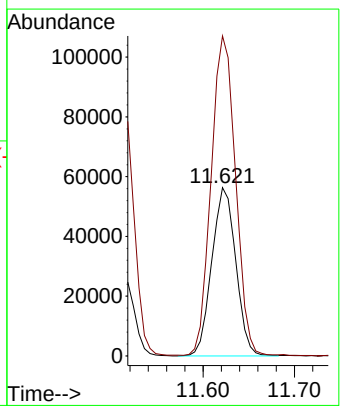


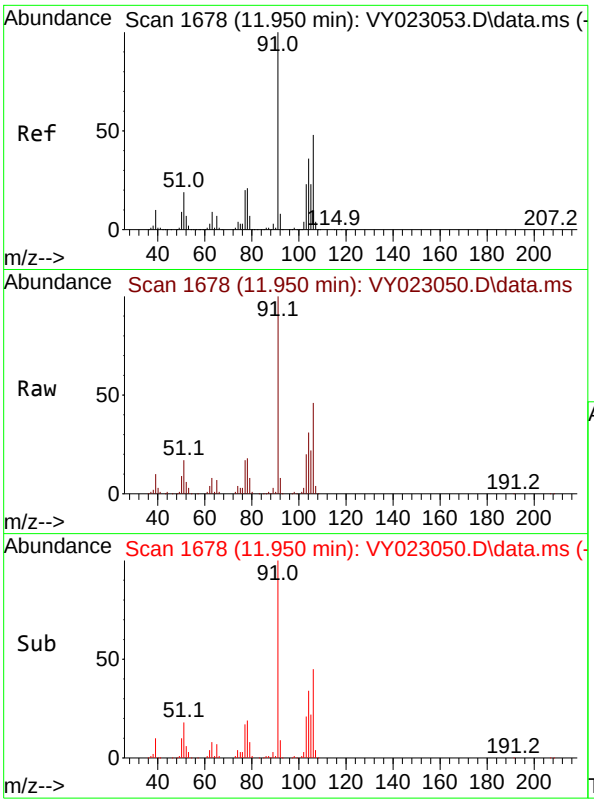


#68
m/p-Xylenes
Concen: 9.329 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:106 Resp: 102783

Ion	Ratio	Lower	Upper
106	100		
91	194.0	158.6	238.0



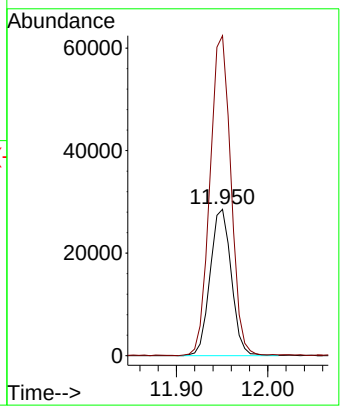


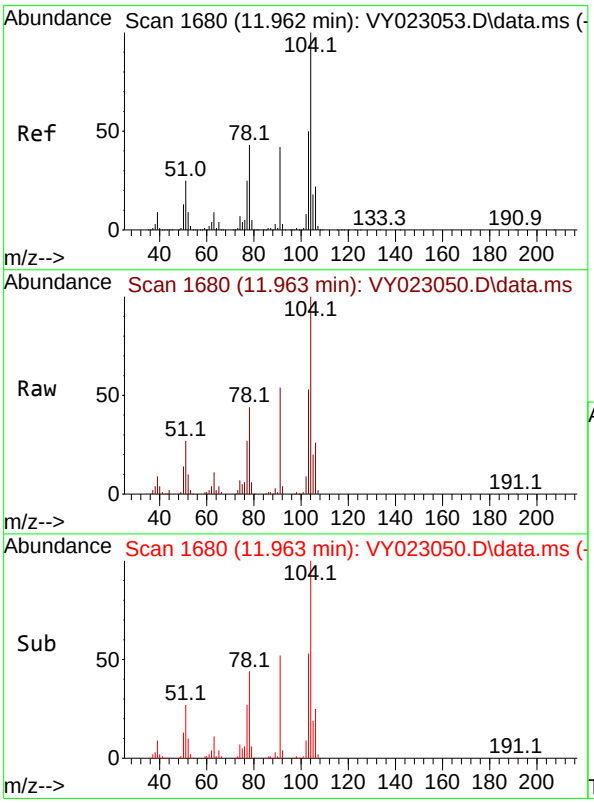
#69
o-Xylene
Concen: 4.453 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 45944

Ion	Ratio	Lower	Upper
106	100		
91	216.3	103.2	309.4

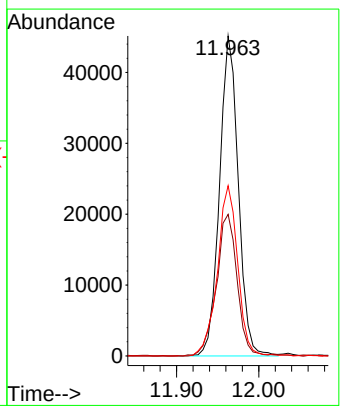


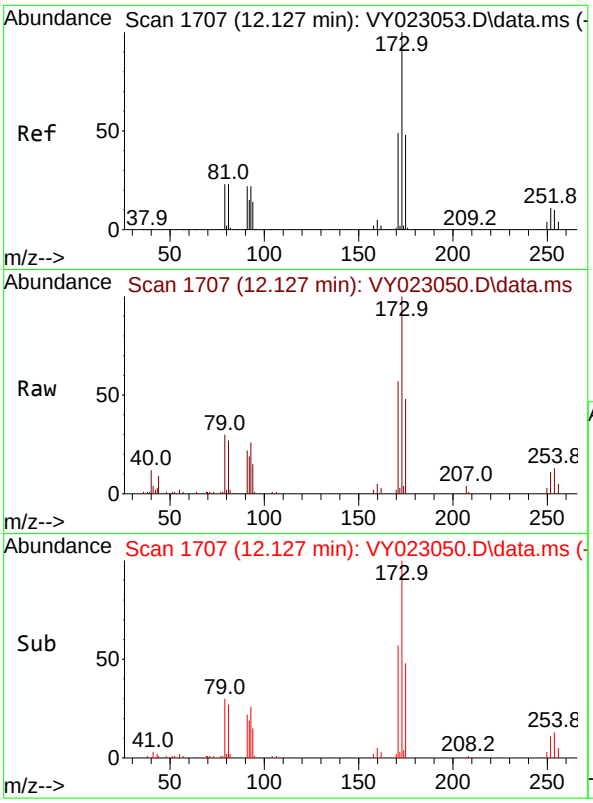


#70
Styrene
Concen: 4.255 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:104 Resp: 71801

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	57.6	43.7	65.5



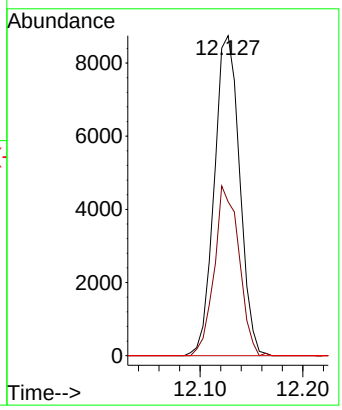


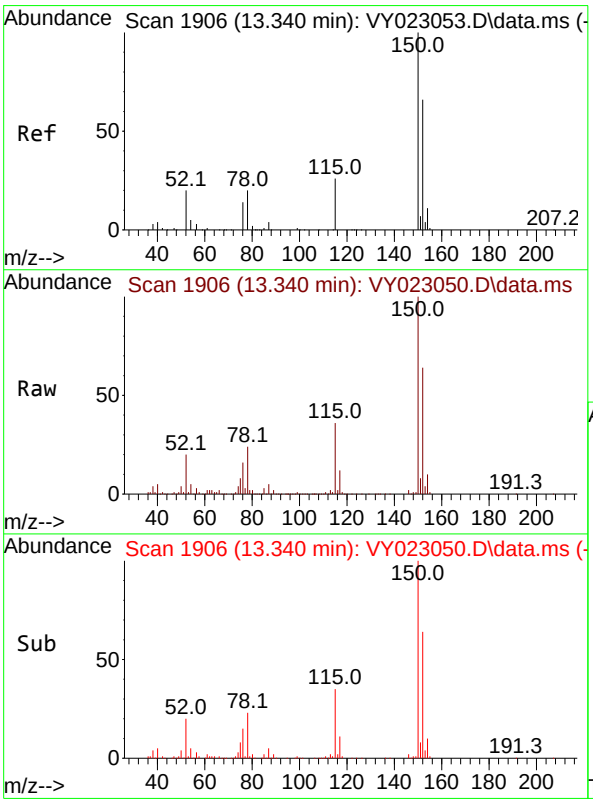
#71
Bromoform
Concen: 4.599 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 14954

Ion	Ratio	Lower	Upper
173	100		
175	51.7	23.9	71.7
254	0.0	0.1	0.1#

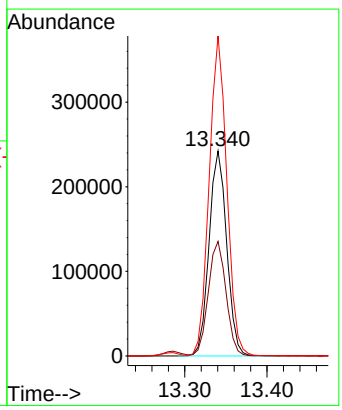


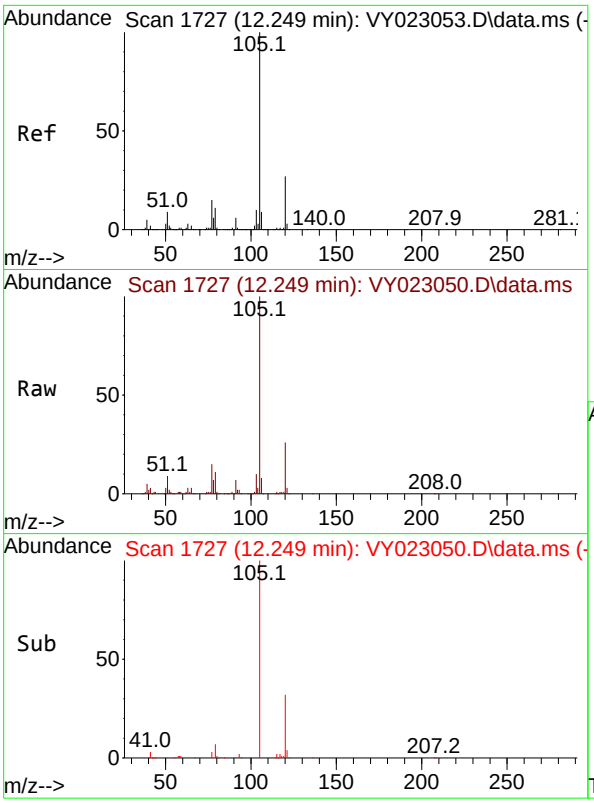


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:152 Resp: 360397

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	155.7	0.0	348.0



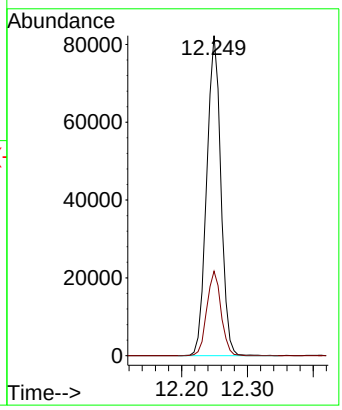


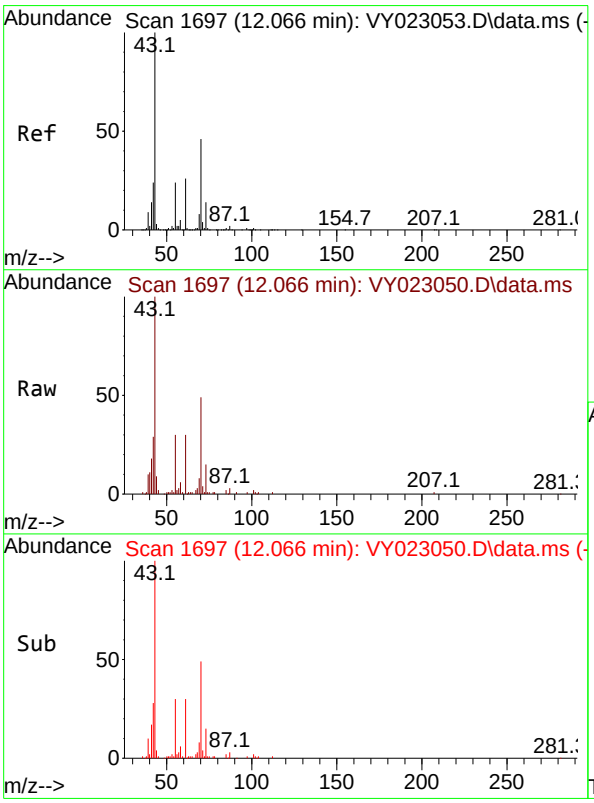
#73
Isopropylbenzene
Concen: 4.845 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 123246

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

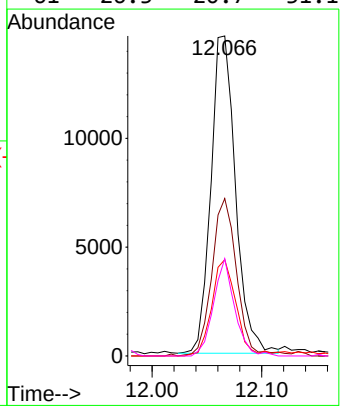


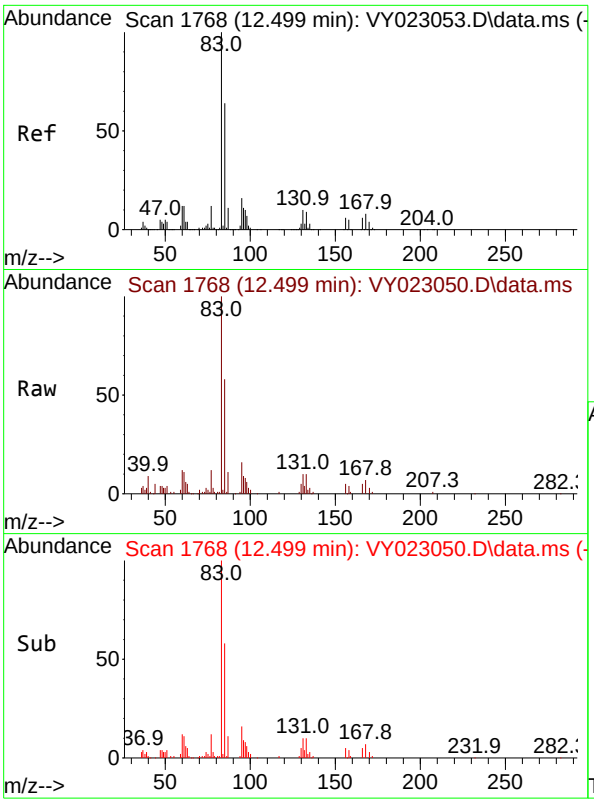


#74
N-amyl acetate
Concen: 4.232 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 22829

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.5	56.3
55	29.9	20.7	31.1
61	26.3	20.7	31.1



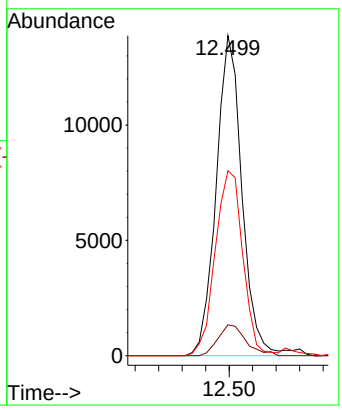


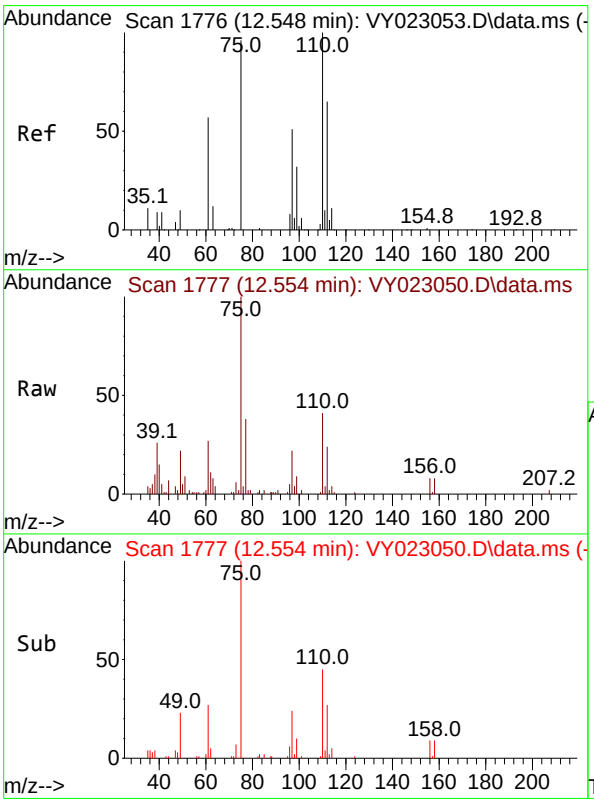
#75
1,1,2,2-Tetrachloroethane
Concen: 4.848 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21057

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	62.2	31.8	95.3

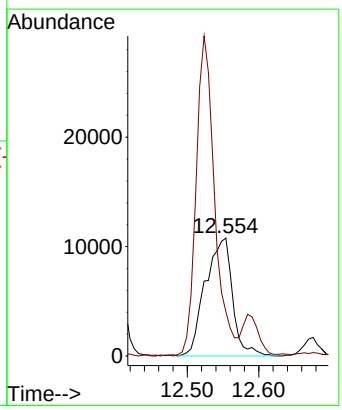


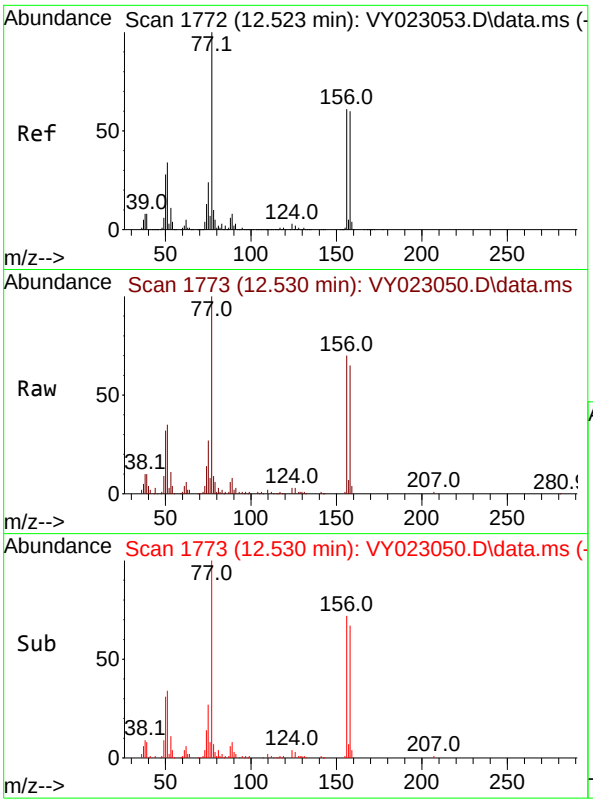


#76
1,2,3-Trichloropropane
Concen: 8.152 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 28374

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



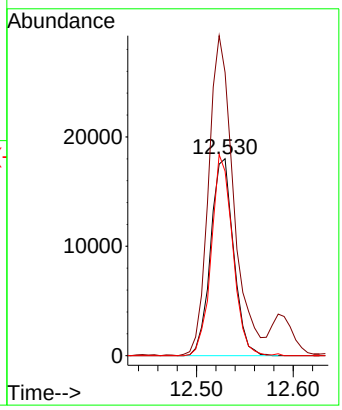


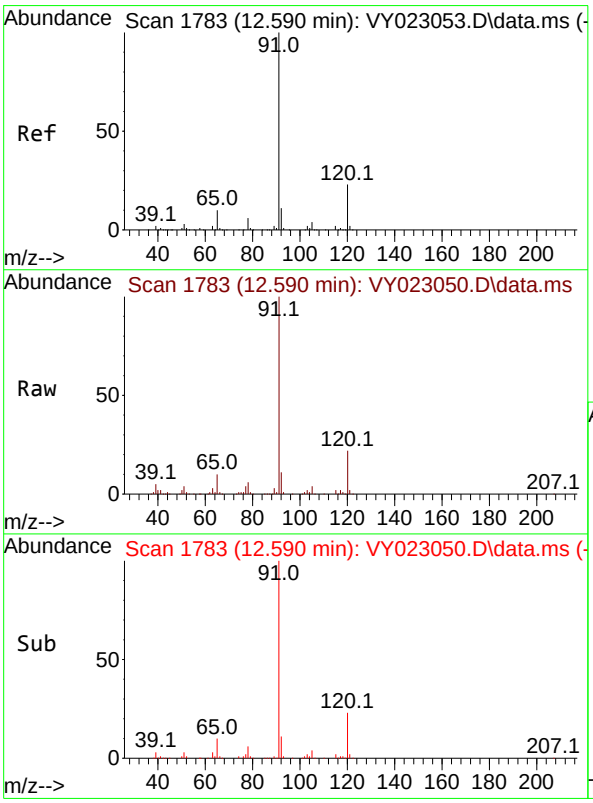
#77
Bromobenzene
Concen: 4.891 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 29681

Ion	Ratio	Lower	Upper
156	100		
77	176.7	88.1	264.4
158	95.4	48.0	144.0

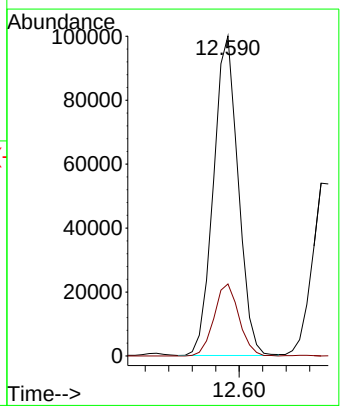


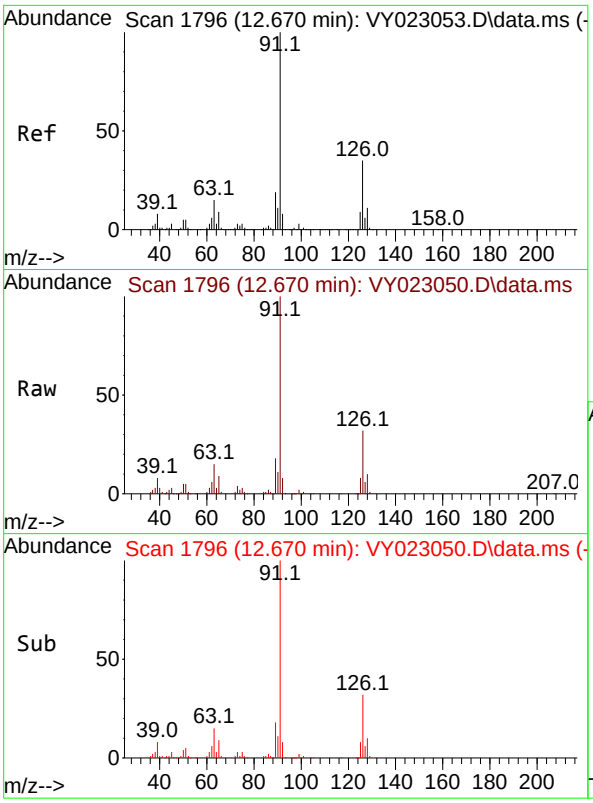


#78
n-propylbenzene
Concen: 4.822 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 146043

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.5



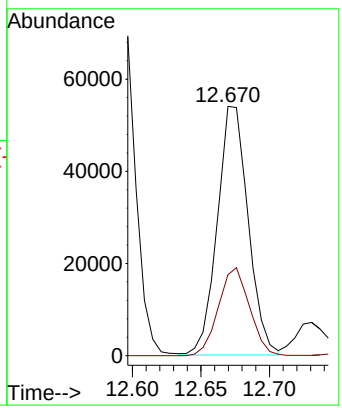


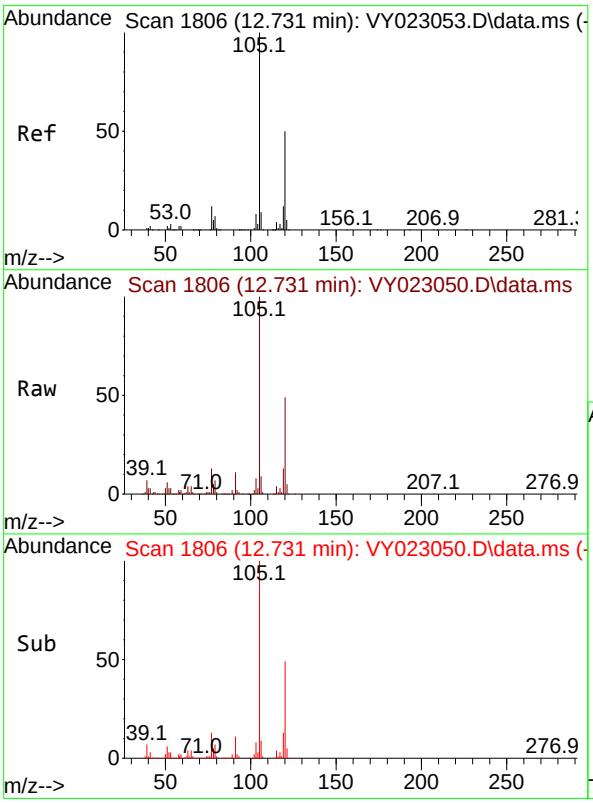
#79
2-Chlorotoluene
Concen: 4.880 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 84671

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3

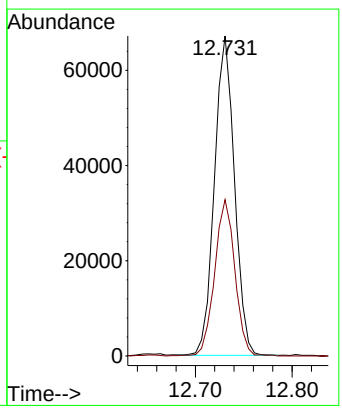


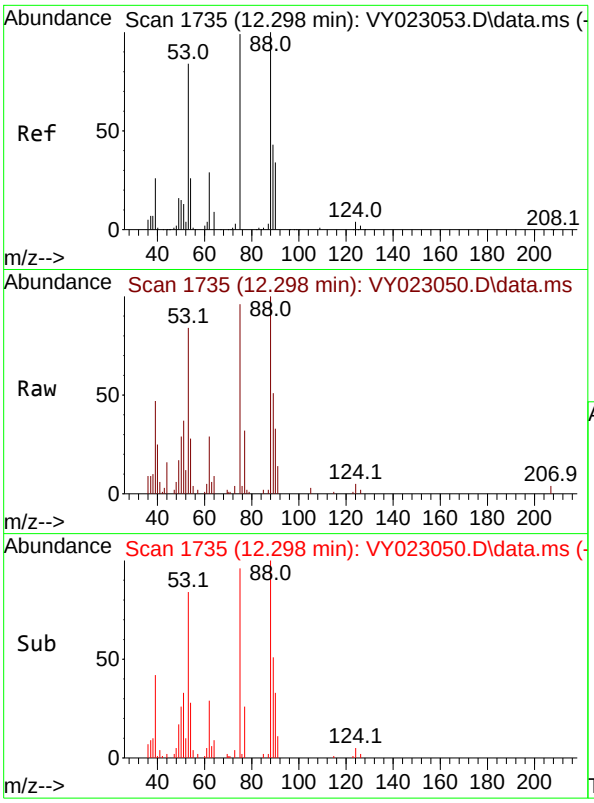


#80
1,3,5-Trimethylbenzene
Concen: 4.685 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 96308

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.8	74.4



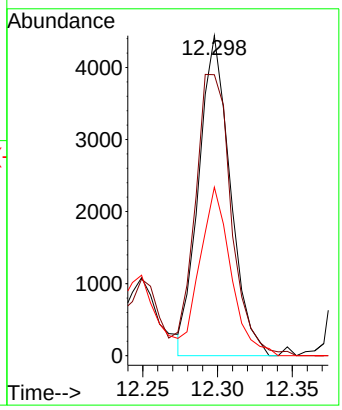


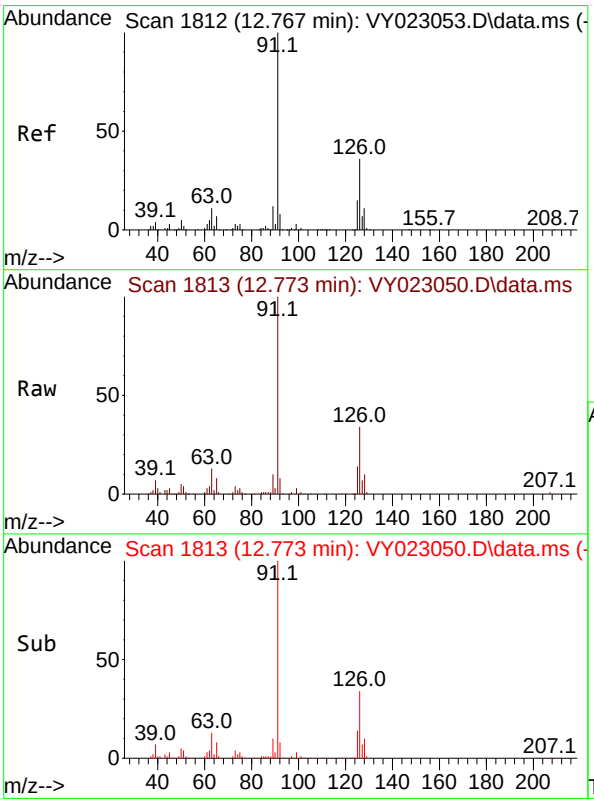
#81
trans-1,4-Dichloro-2-butene
Concen: 4.533 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 6514

Ion	Ratio	Lower	Upper
75	100		
53	101.3	70.8	106.2
89	51.7	38.1	57.1

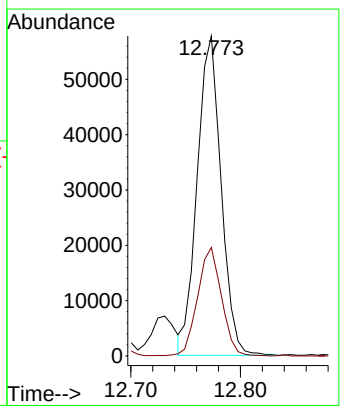


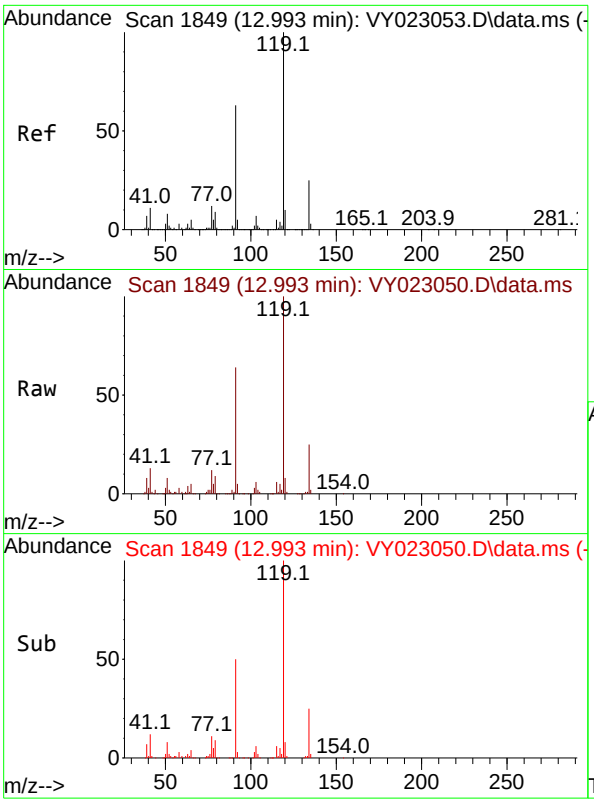


#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 87454

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0



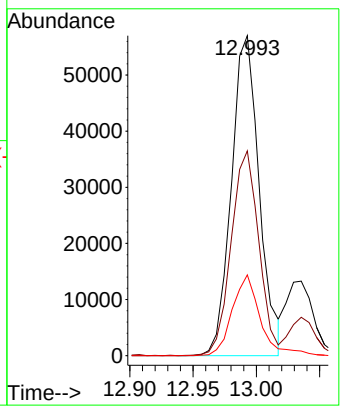


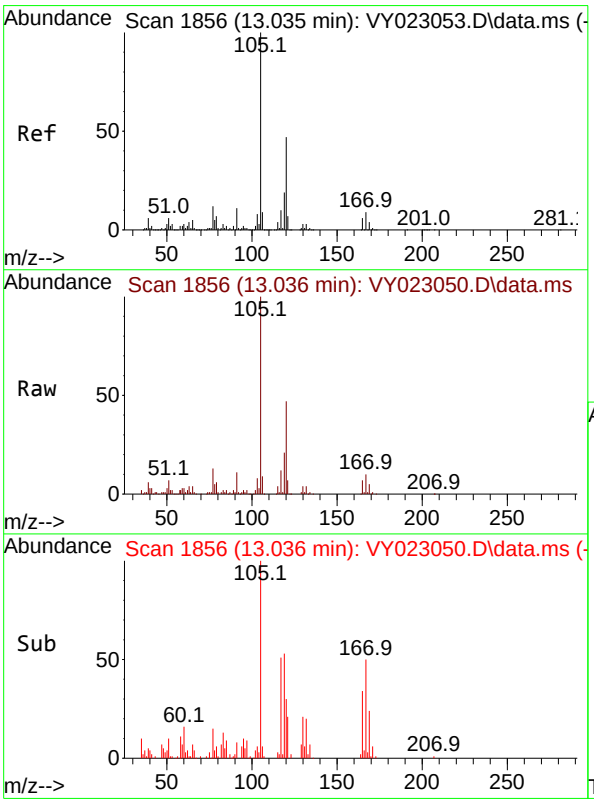
#83
tert-Butylbenzene
Concen: 4.712 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 87496

Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.6	94.8
134	25.5	12.9	38.7

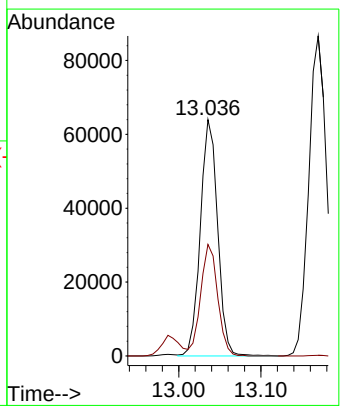


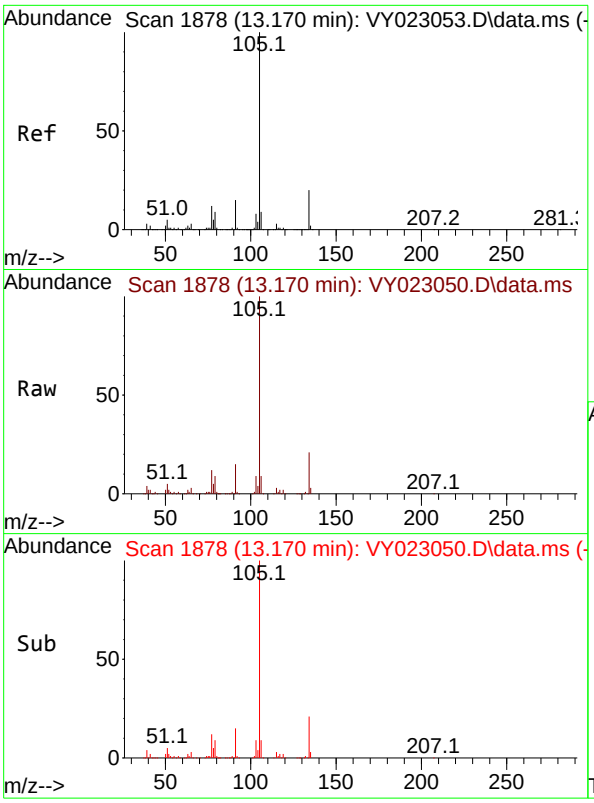


#84
1,2,4-Trimethylbenzene
Concen: 4.571 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 93551

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0



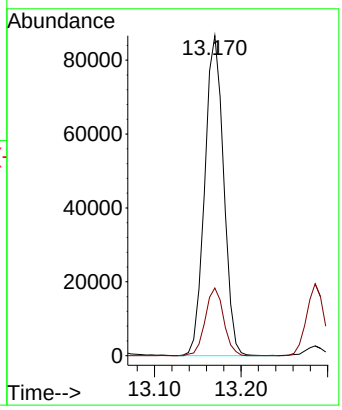


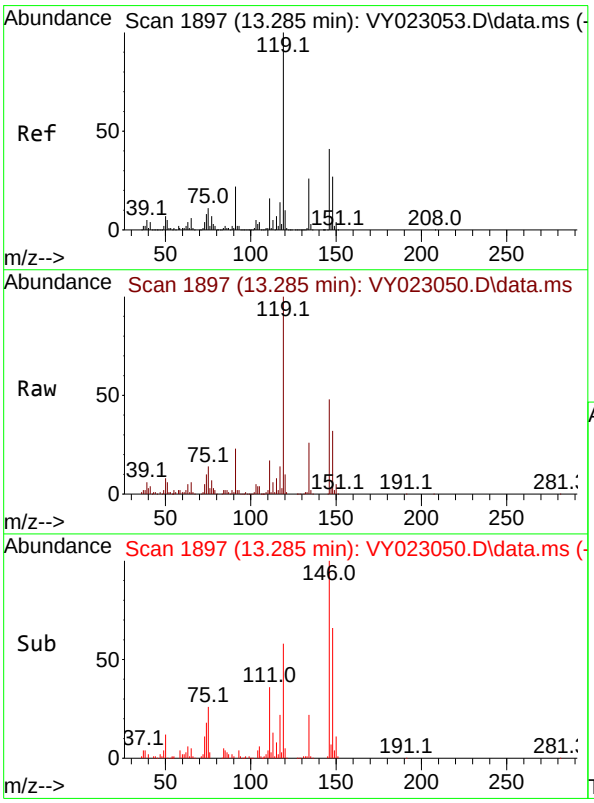
#85
sec-Butylbenzene
Concen: 4.806 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 131079

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.2	30.4

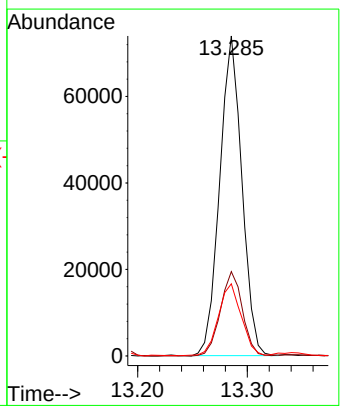


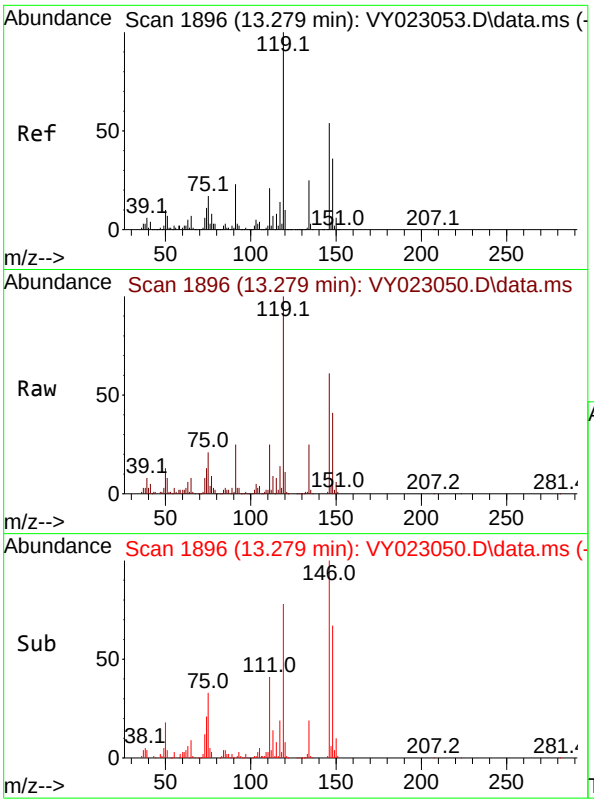


#86
p-Isopropyltoluene
Concen: 4.582 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:119 Resp: 103731

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	23.5	11.3	33.8



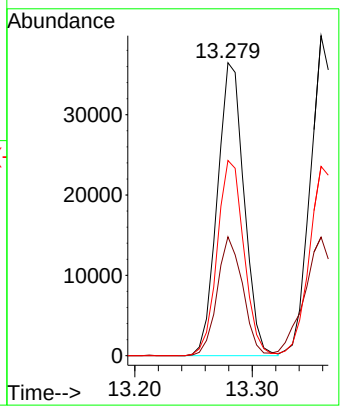


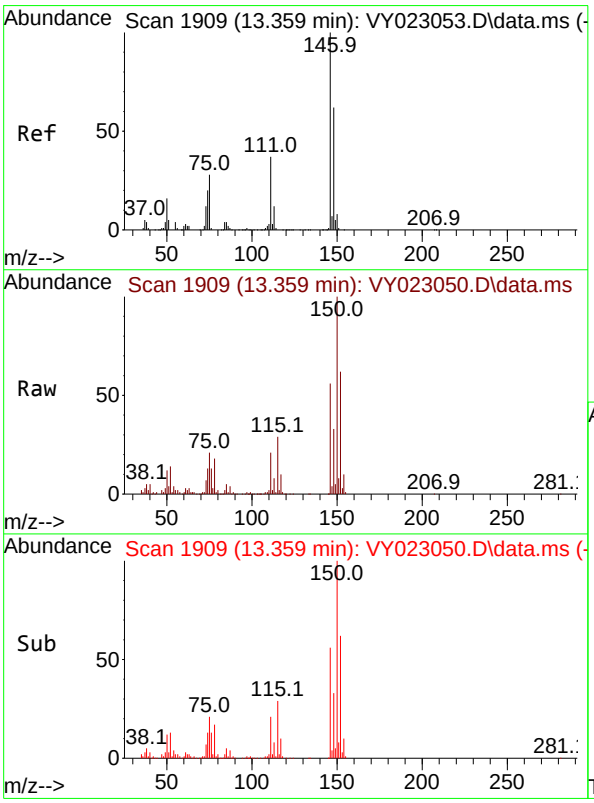
#87
1,3-Dichlorobenzene
Concen: 4.819 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 57668

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	66.5	32.5	97.5

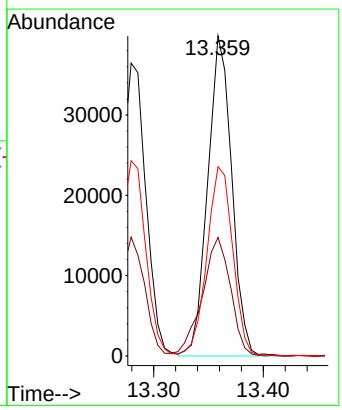


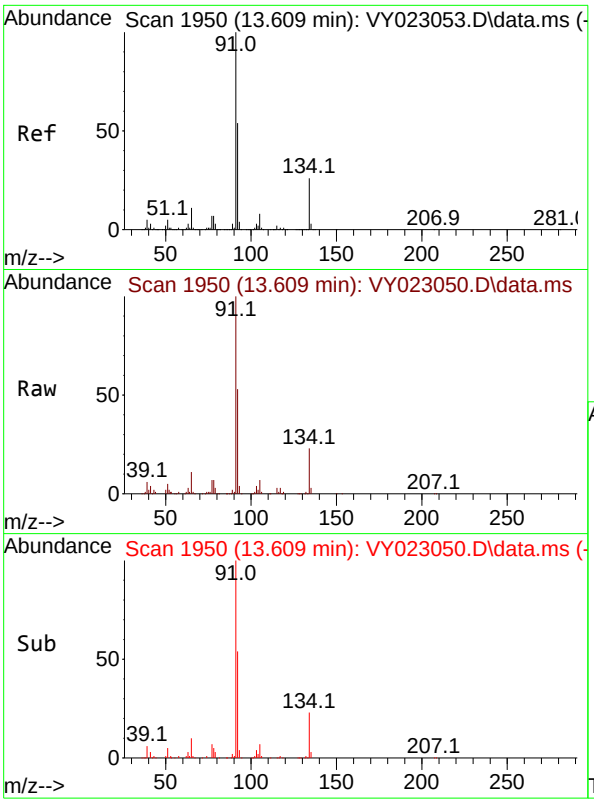


#88
1,4-Dichlorobenzene
Concen: 5.120 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:146 Resp: 60781

Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.1	57.1
148	63.6	31.6	94.7



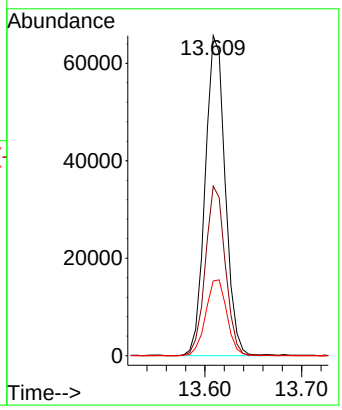


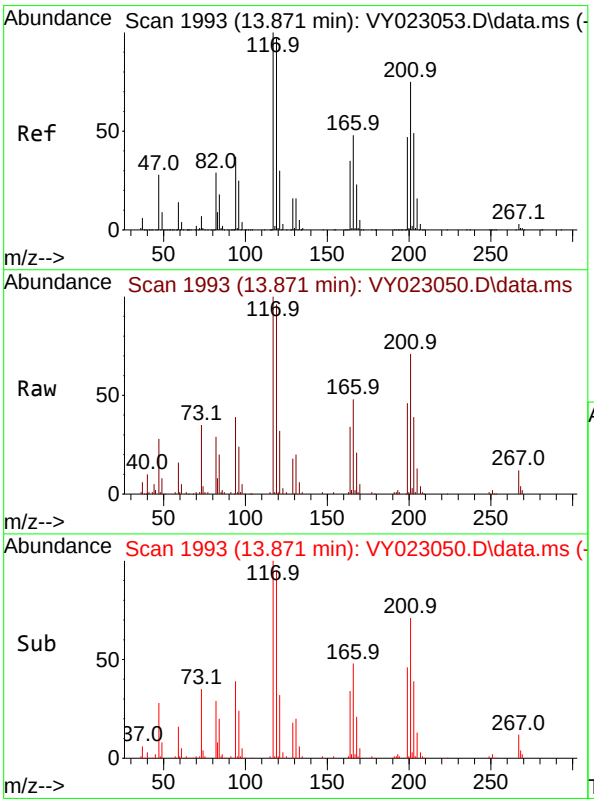
#89
n-Butylbenzene
Concen: 4.549 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 94594

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.9	80.7
134	25.1	13.2	39.5

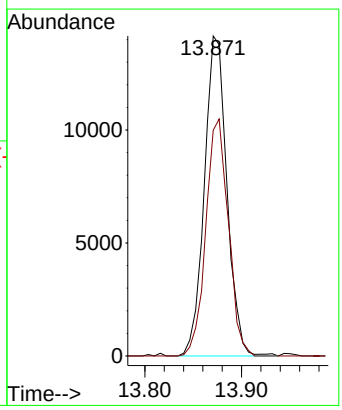


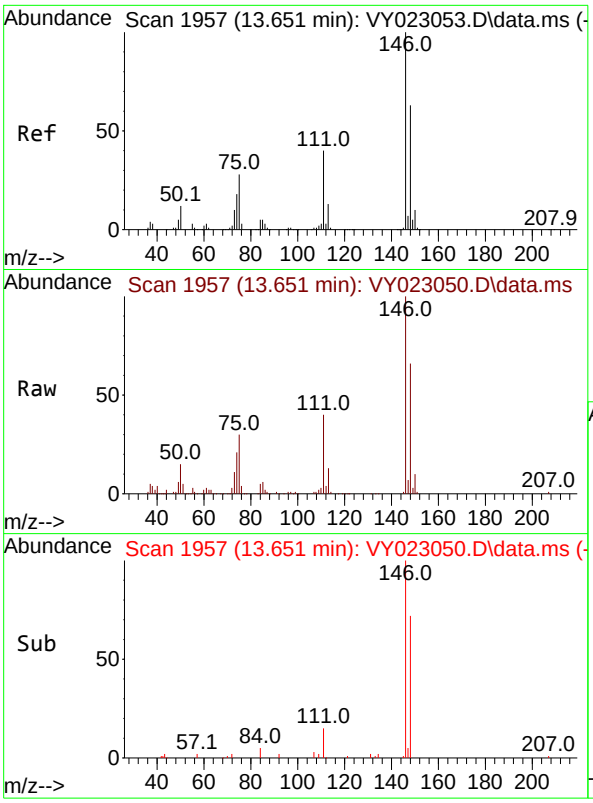


#90
Hexachloroethane
Concen: 4.958 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:117 Resp: 22980

Ion	Ratio	Lower	Upper
117	100		
201	74.0	38.4	115.1



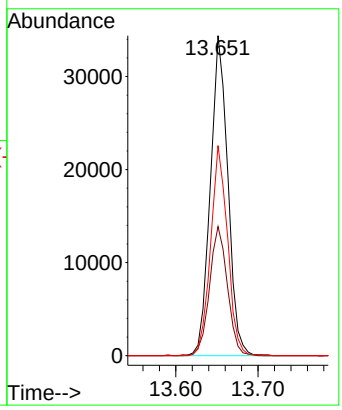


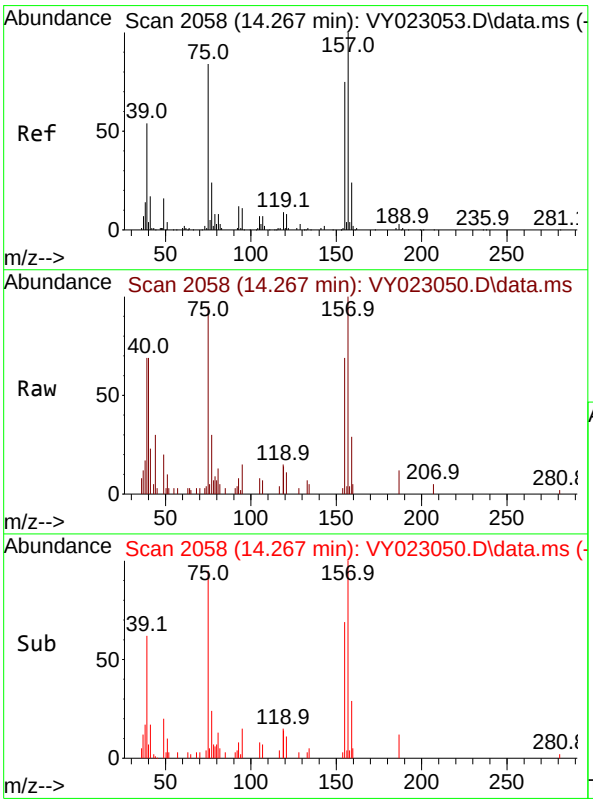
#91
1,2-Dichlorobenzene
Concen: 4.843 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 50829

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	63.6	32.2	96.6

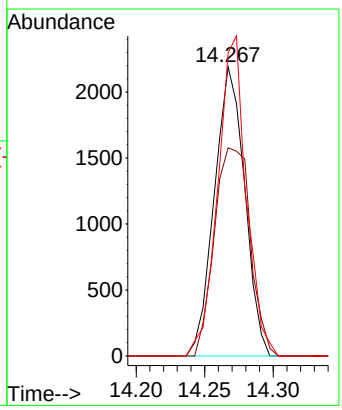


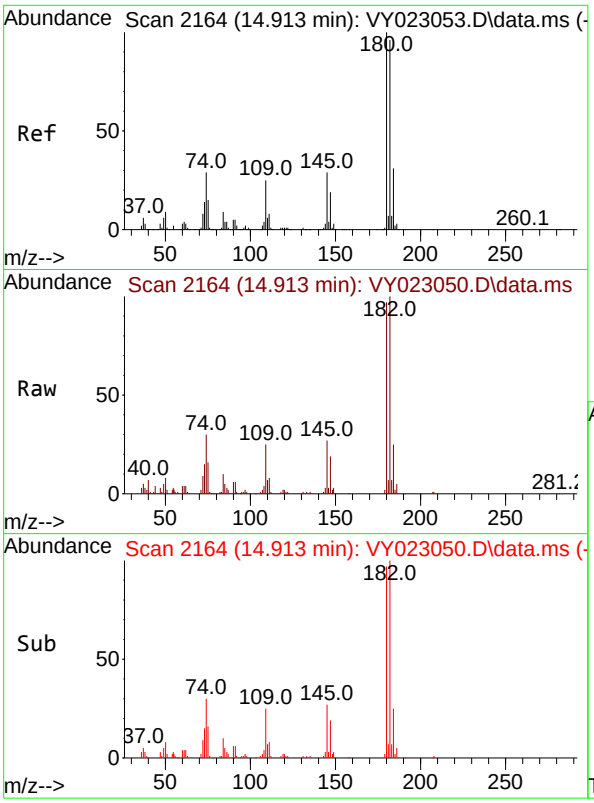


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.982 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 3369

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.9	131.6
157	103.8	57.2	171.6



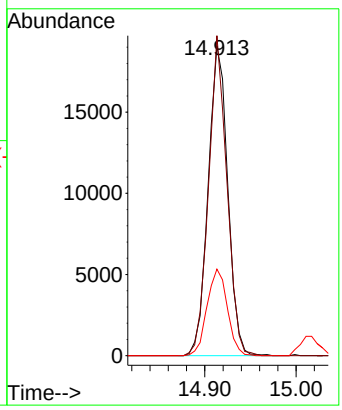


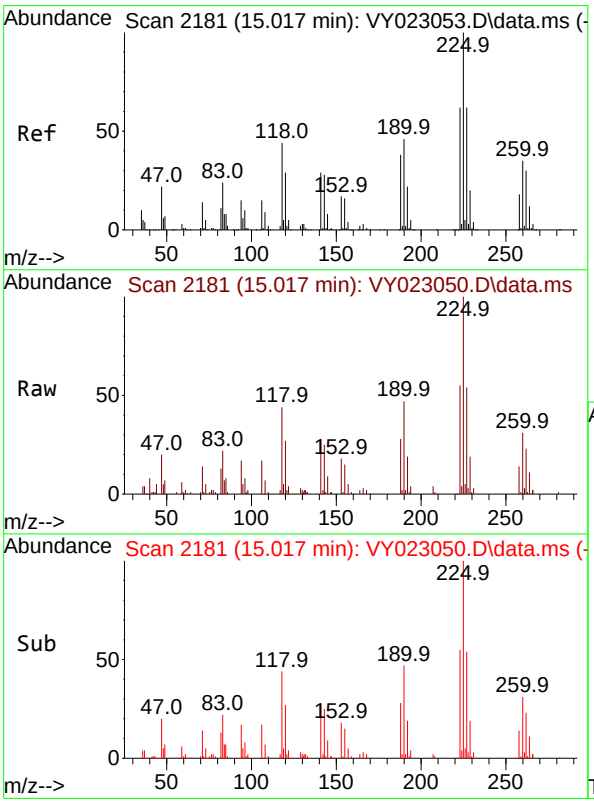
#93
1,2,4-Trichlorobenzene
Concen: 4.576 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 28399

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.8	140.4
145	28.9	14.4	43.4

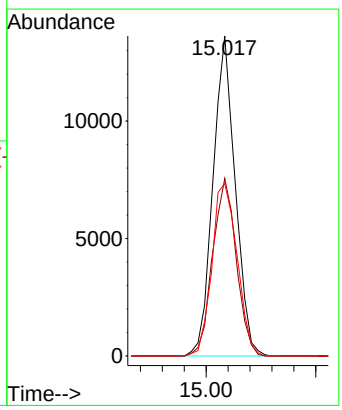


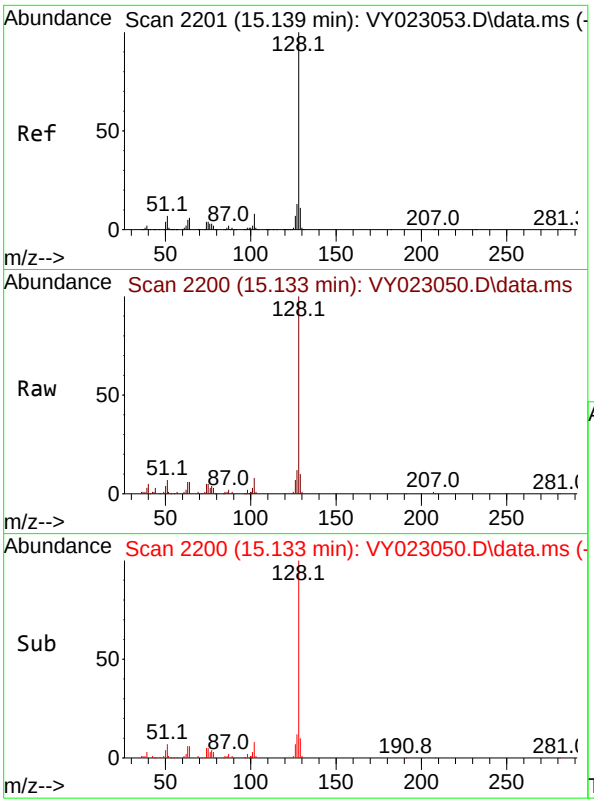


#94
Hexachlorobutadiene
Concen: 5.263 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:225 Resp: 19196

Ion	Ratio	Lower	Upper
225	100		
223	58.9	31.3	93.8
227	61.0	31.5	94.5



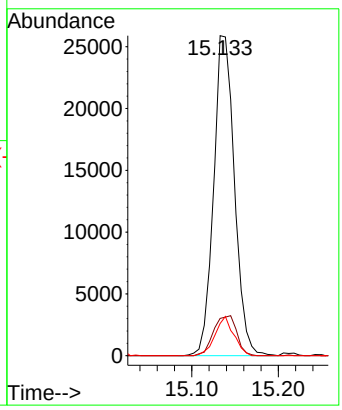


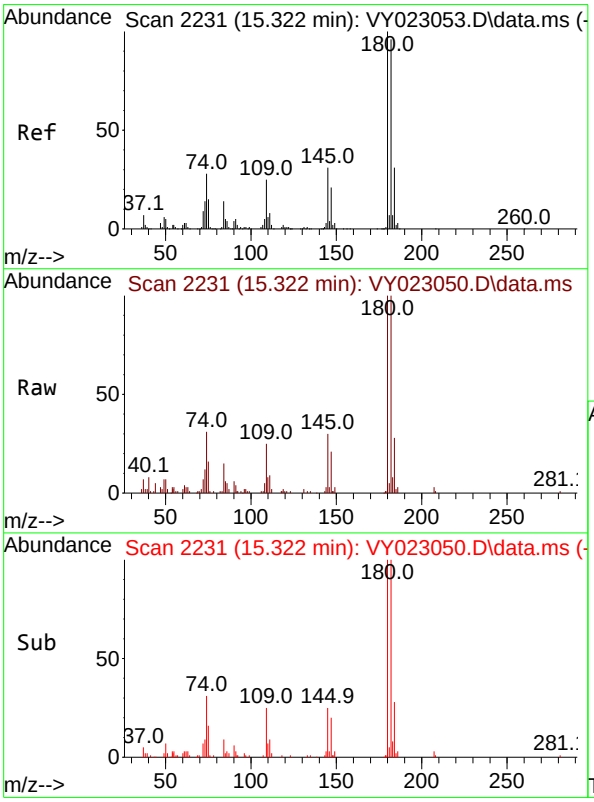
#95
Naphthalene
Concen: 4.100 ug/l
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 43395

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	10.9	9.0	13.4

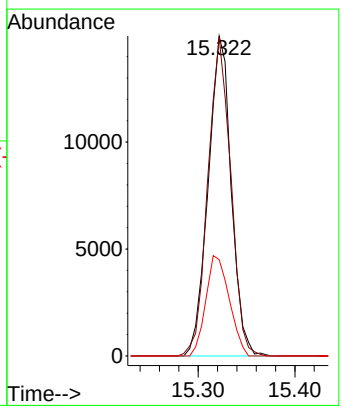




#96
1,2,3-Trichlorobenzene
Concen: 4.619 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:180 Resp: 24703

Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.9	143.7
145	31.9	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 20.540%#			
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 20.020%#			
50) Toluene-d8	10.103	98	204532	9.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 19.800%#			
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 19.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l	95
3) Chloromethane	2.068	50	77982	10.695	ug/l	97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l	99
5) Bromomethane	2.592	94	70415	10.461	ug/l	99
6) Chloroethane	2.732	64	62514	10.432	ug/l	97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l	94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l	100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l	99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l	99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l	92
13) Acrolein	3.647	56	30081	57.030	ug/l	97
14) Allyl chloride	4.372	41	79145	10.121	ug/l	98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l	99
16) Acetone	3.873	43	61290	53.821	ug/l	94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l	98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l	95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l	100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l	93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l	98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l	99
25) 2-Butanone	6.896	43	83923	54.187	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l	99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l	100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l	99
30) Chloroform	7.415	83	109942	10.260	ug/l	93
31) Cyclohexane	7.701	56	103068	10.527	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l	98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l	99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l	97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l	97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l	99
40) Benzene	8.073	78	243060	10.037	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l	#	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l		99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l		99
44) Trichloroethene	8.859	130	62689	10.017	ug/l		98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l		97
46) Dibromomethane	9.225	93	33460	10.462	ug/l		98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l		97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l		96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l		98
52) Toluene	10.164	92	150422	9.780	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l		97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l		98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l		98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l		99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l		99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l		99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l		98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l		97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l		99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l		99
69) o-Xylene	11.950	106	97841	9.465	ug/l		98
70) Styrene	11.963	104	155809	9.216	ug/l		99
71) Bromoform	12.127	173	32470	9.968	ug/l	#	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l		99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l		99
76) 1,2,3-Trichloropropane	12.548	75	61290	17.357	ug/l	#	100
77) Bromobenzene	12.523	156	60728	9.864	ug/l		96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l		100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l		96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l		99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l		100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l		99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l		98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l		97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l		98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l		99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l		99
95) Naphthalene	15.139	128	99780	9.293	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

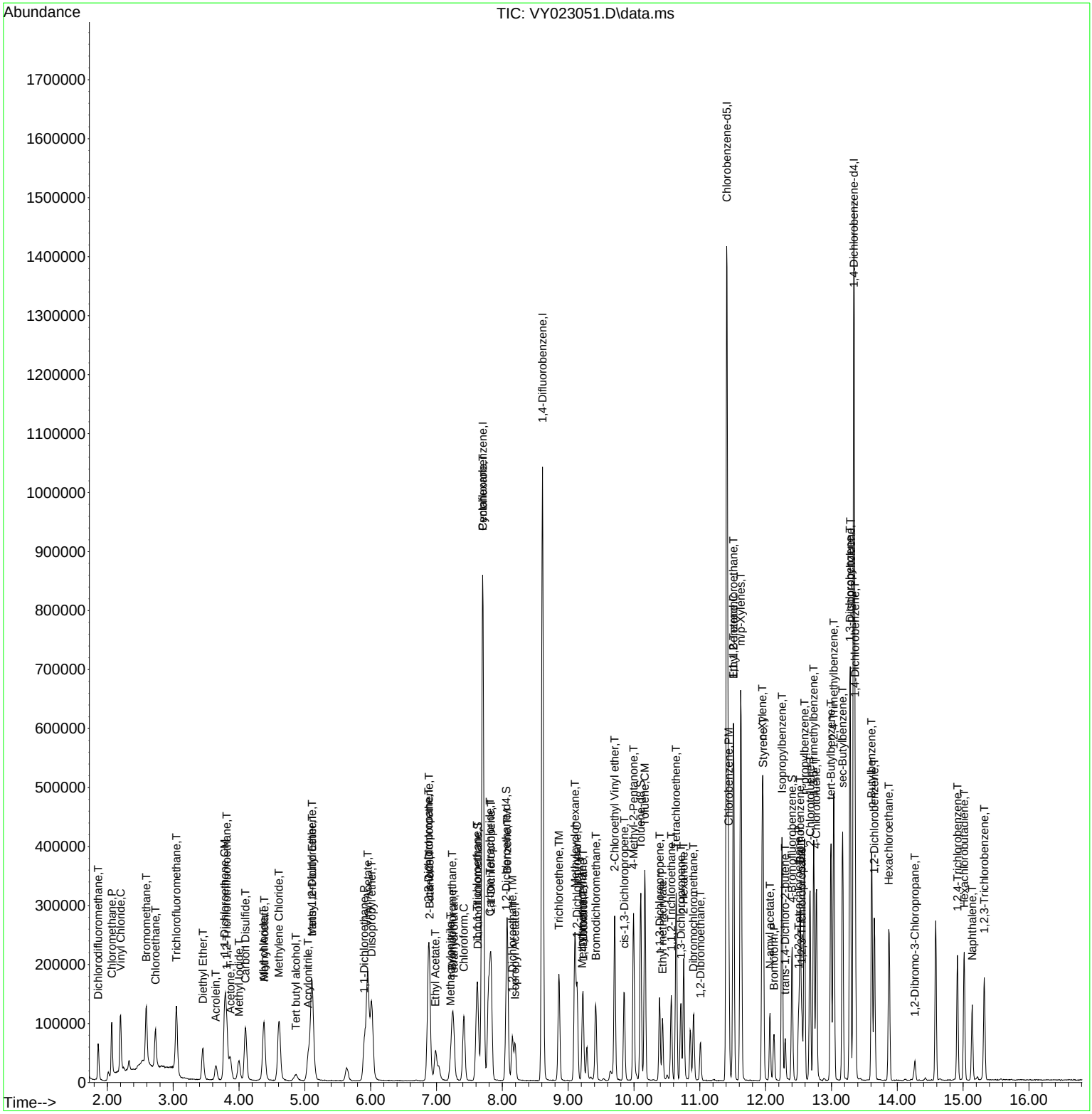
(#) = qualifier out of range (m) = manual integration (+) = signals summed

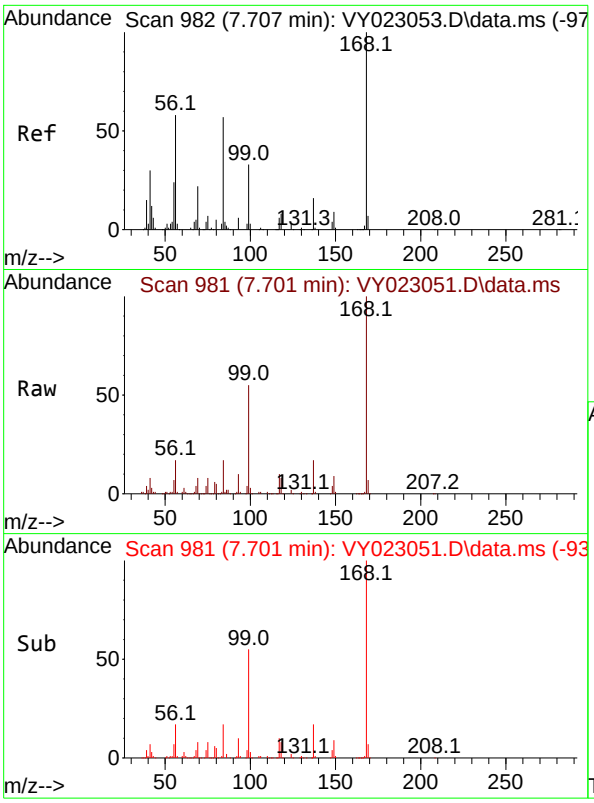
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration



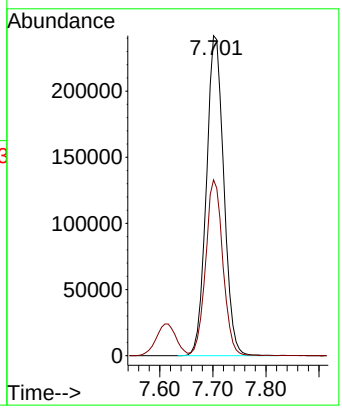


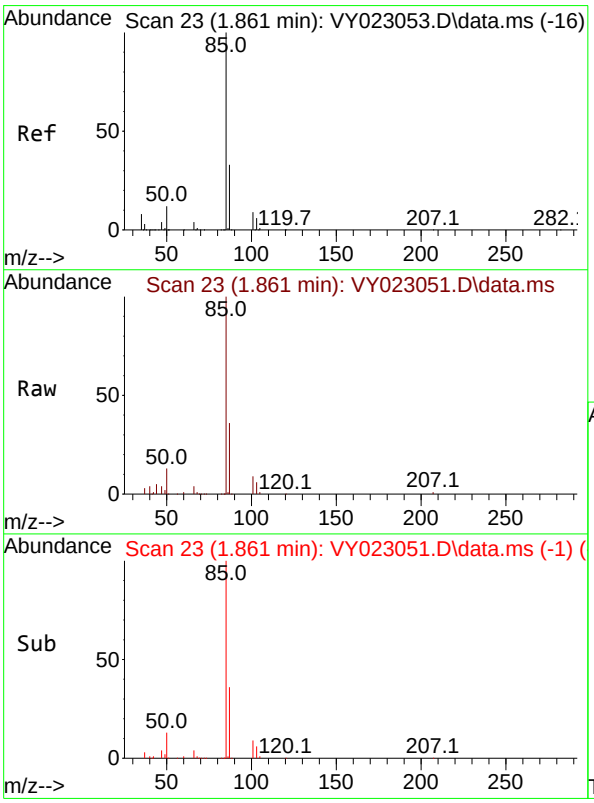
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 551522

Ion	Ratio	Lower	Upper
168	100		
99	54.9	42.8	64.2

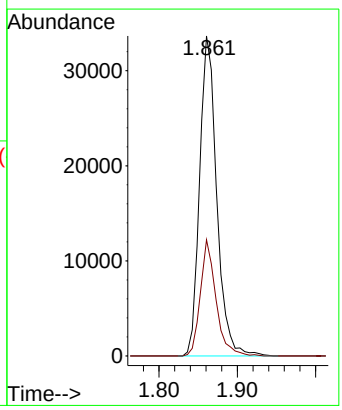


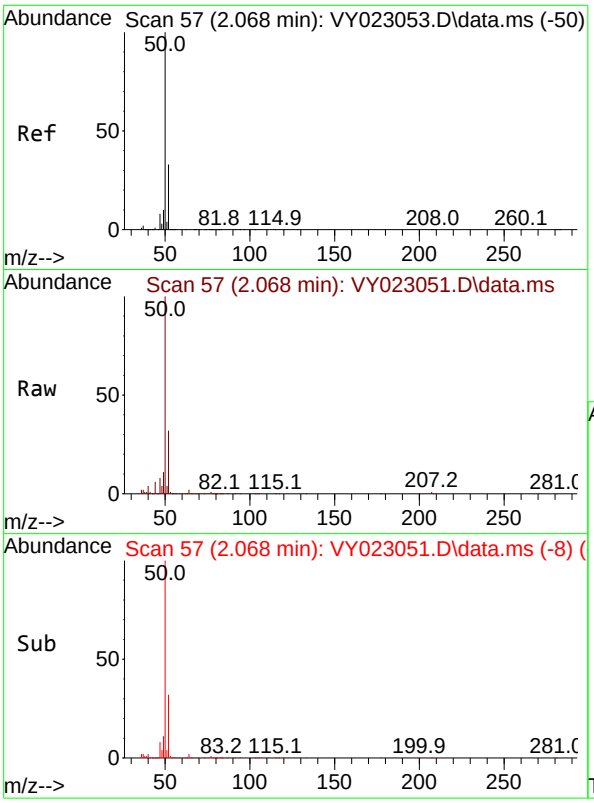


#2
Dichlorodifluoromethane
Concen: 11.334 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 85 Resp: 51022

Ion	Ratio	Lower	Upper
85	100		
87	36.3	16.6	49.8



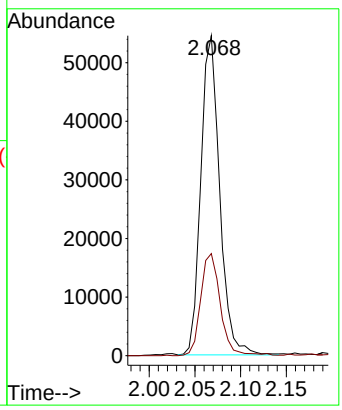


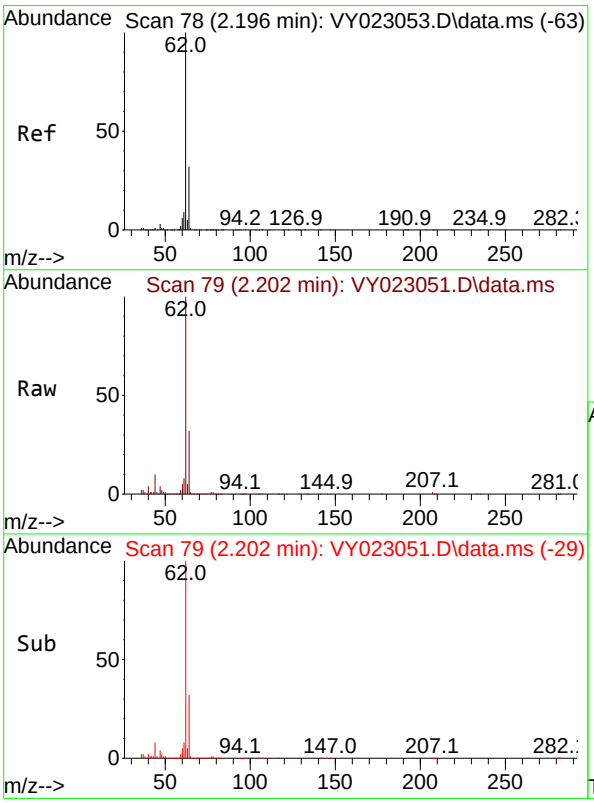
#3
Chloromethane
Concen: 10.695 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 77982

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1

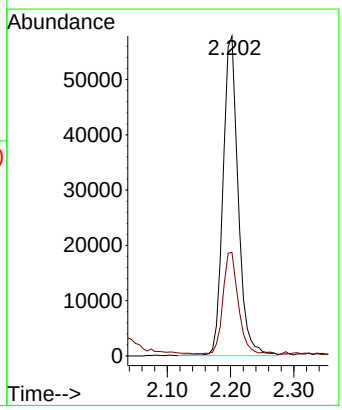


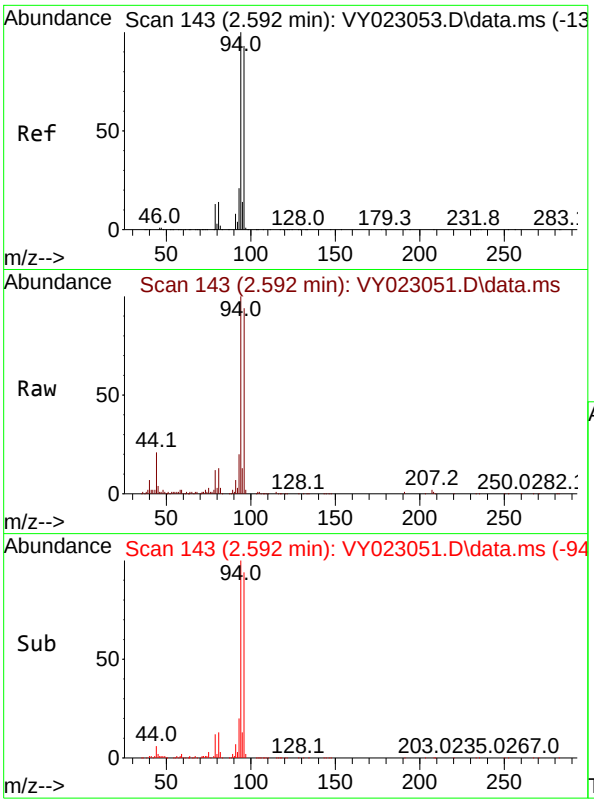


#4
Vinyl Chloride
Concen: 10.649 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 95983

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.4	38.0



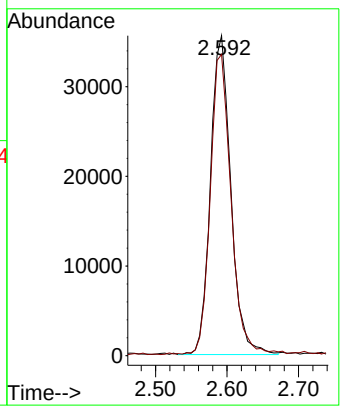


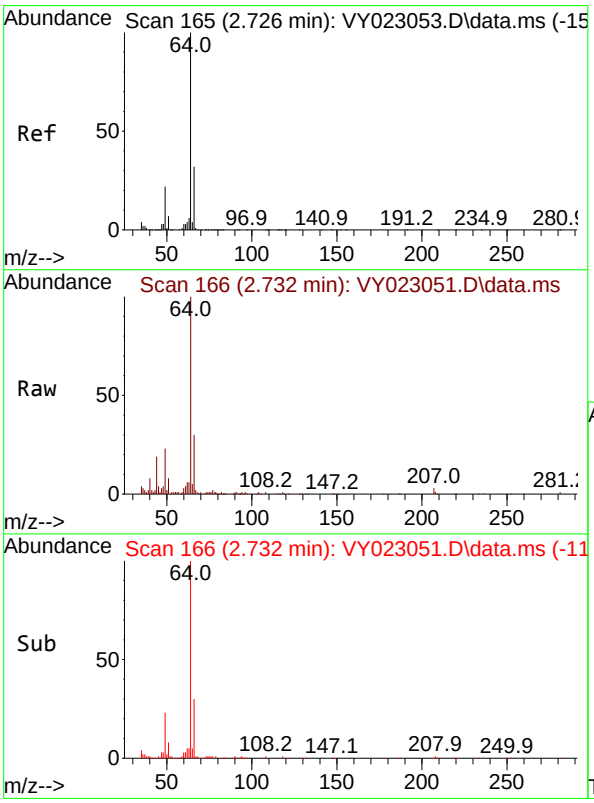
#5
Bromomethane
Concen: 10.461 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 70415

Ion	Ratio	Lower	Upper
94	100		
96	93.8	74.6	112.0

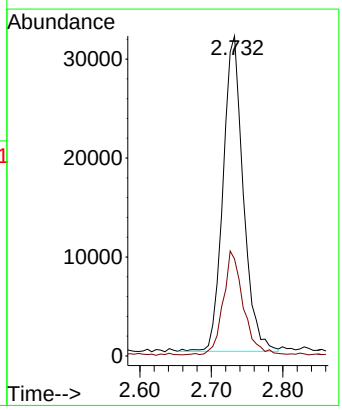


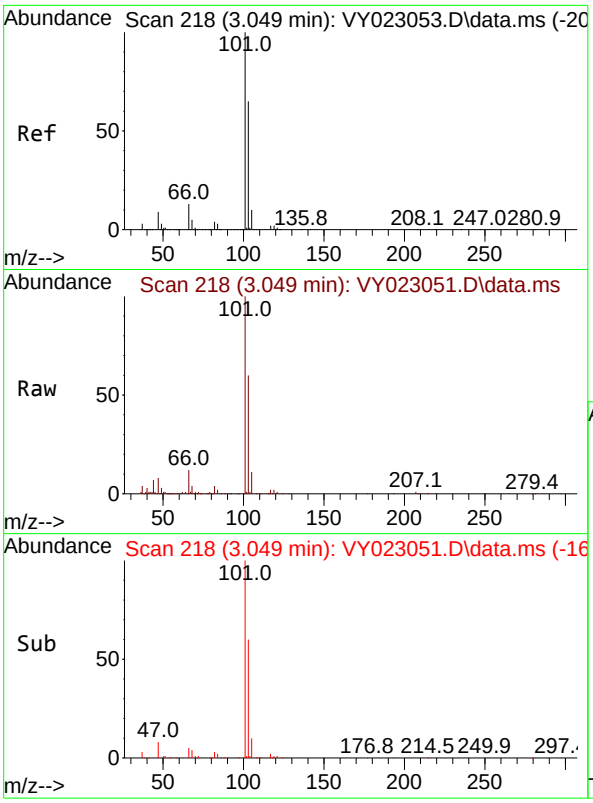


#6
Chloroethane
Concen: 10.432 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 64 Resp: 62514

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.8	38.6



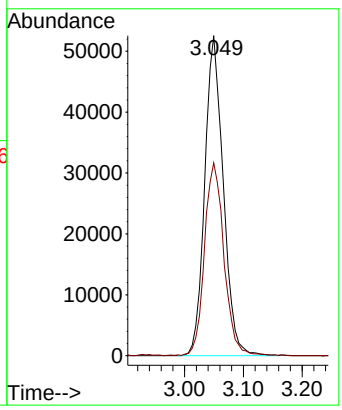


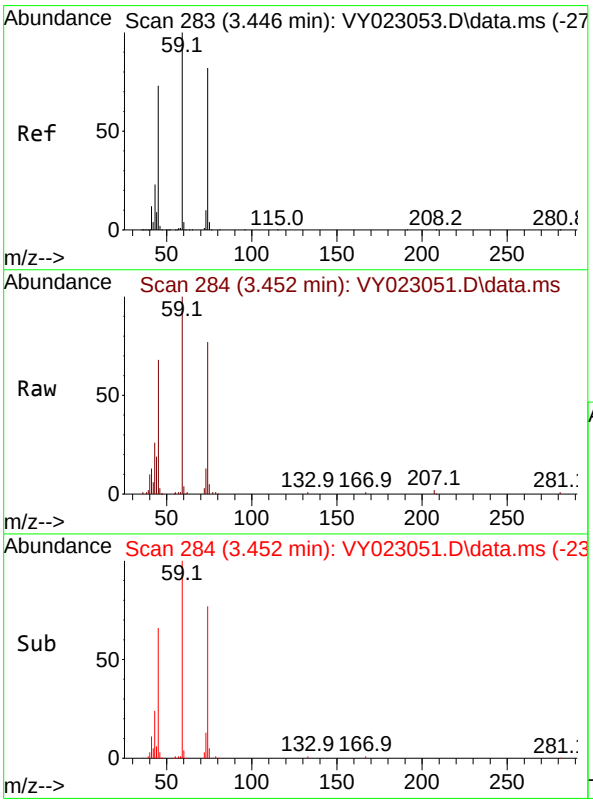
#7
Trichlorofluoromethane
Concen: 10.507 ug/l
RT: 3.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 115150

Ion	Ratio	Lower	Upper
101	100		
103	60.1	51.9	77.9

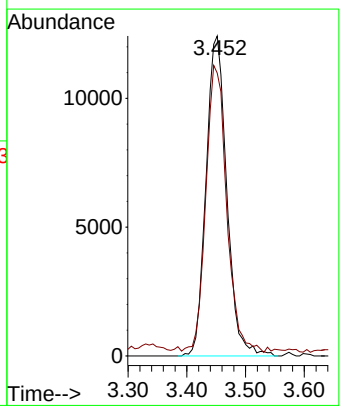


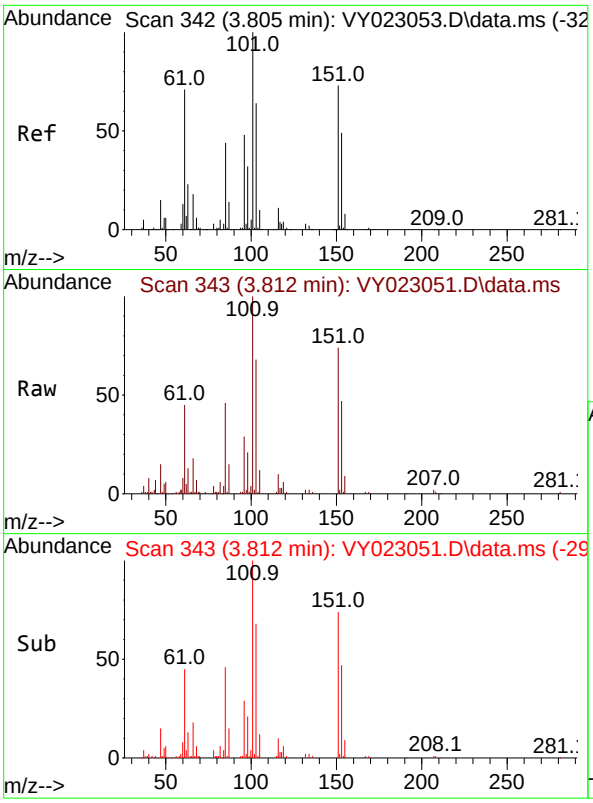


#8
Diethyl Ether
Concen: 10.481 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 74 Resp: 30390

Ion	Ratio	Lower	Upper
74	100		
45	90.2	44.4	133.2



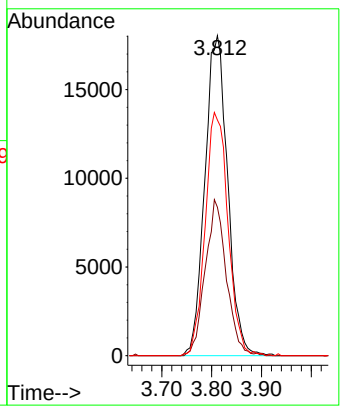


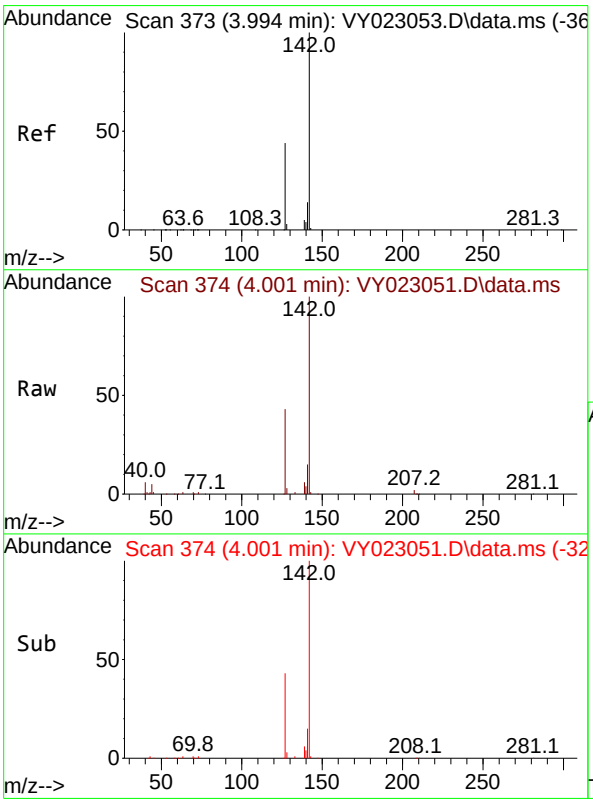
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.581 ug/l
RT: 3.812 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 57210

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.3	54.5
151	76.3	61.5	92.3

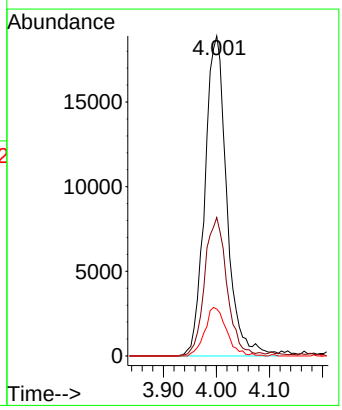


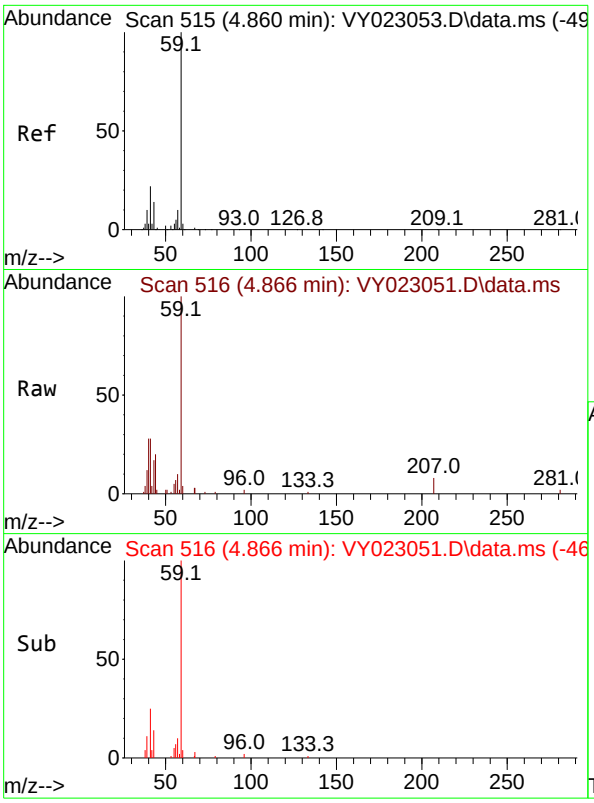


#10
Methyl Iodide
Concen: 9.287 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:142 Resp: 54184

Ion	Ratio	Lower	Upper
142	100		
127	44.3	34.9	52.3
141	14.9	11.3	16.9



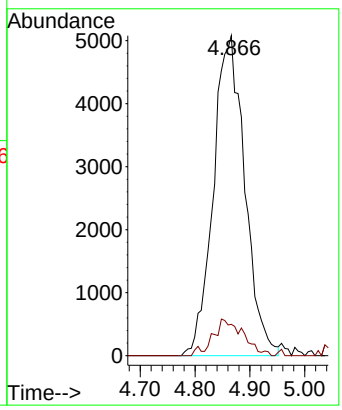


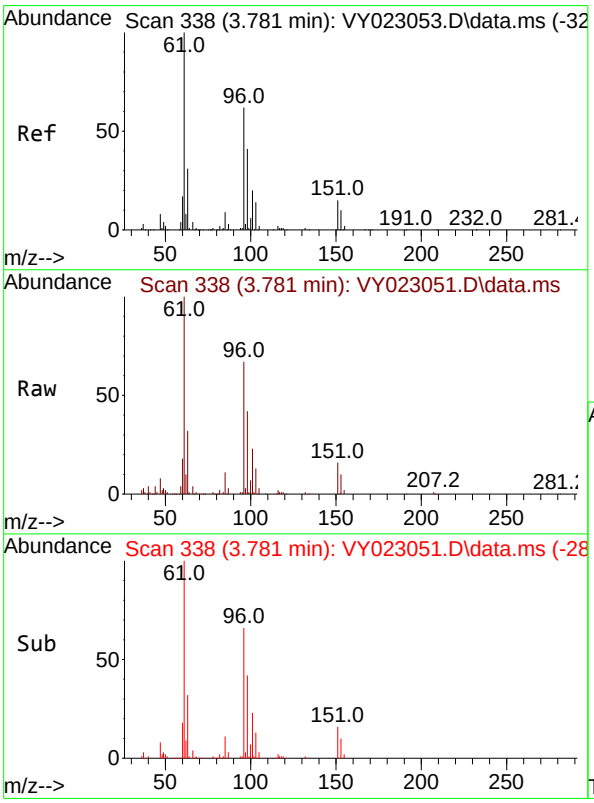
#11
Tert butyl alcohol
Concen: 56.119 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 20212

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	13.0

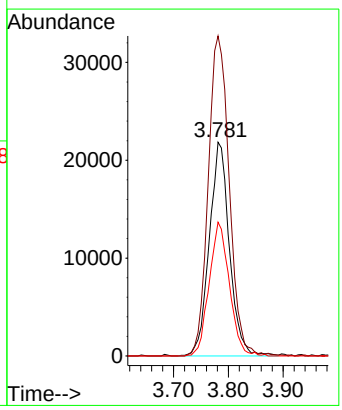


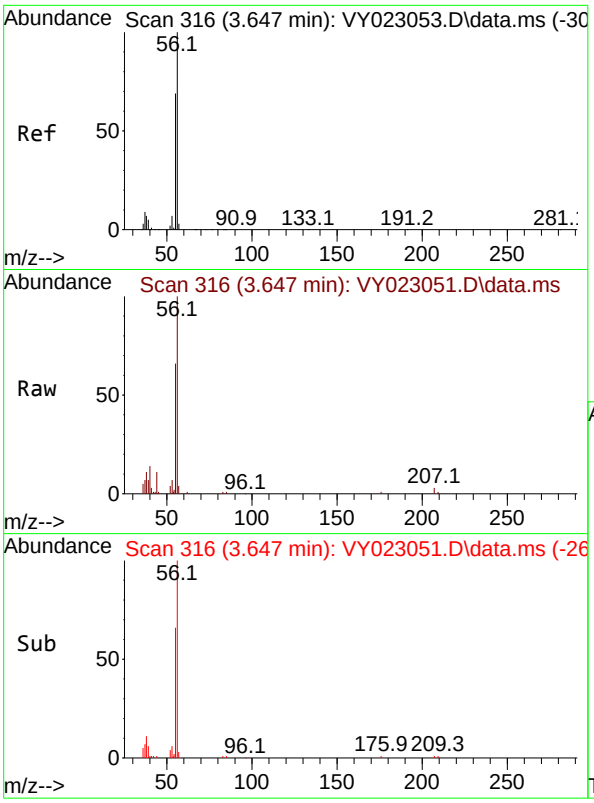


#12
1,1-Dichloroethene
Concen: 10.475 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 96 Resp: 55669

Ion	Ratio	Lower	Upper
96	100		
61	149.7	129.4	194.2
98	62.6	52.8	79.2



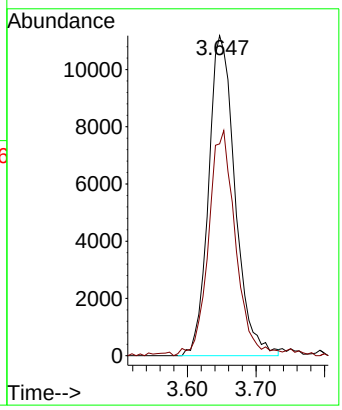


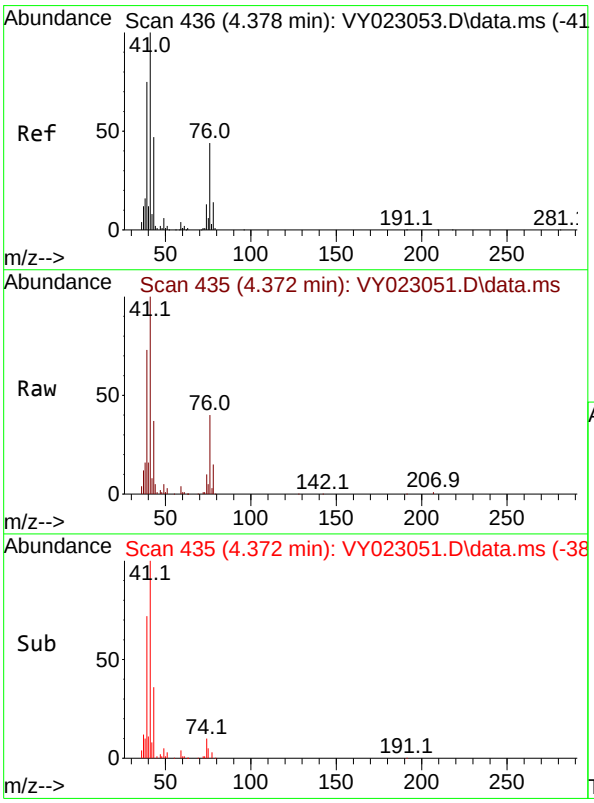
#13
Acrolein
Concen: 57.030 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 30081

Ion	Ratio	Lower	Upper
56	100		
55	71.2	55.2	82.8

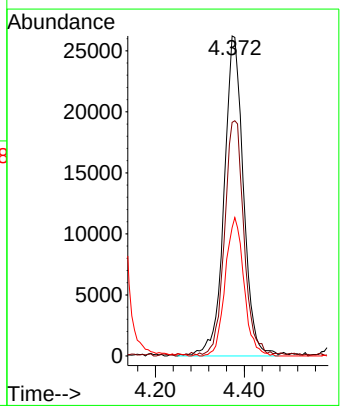


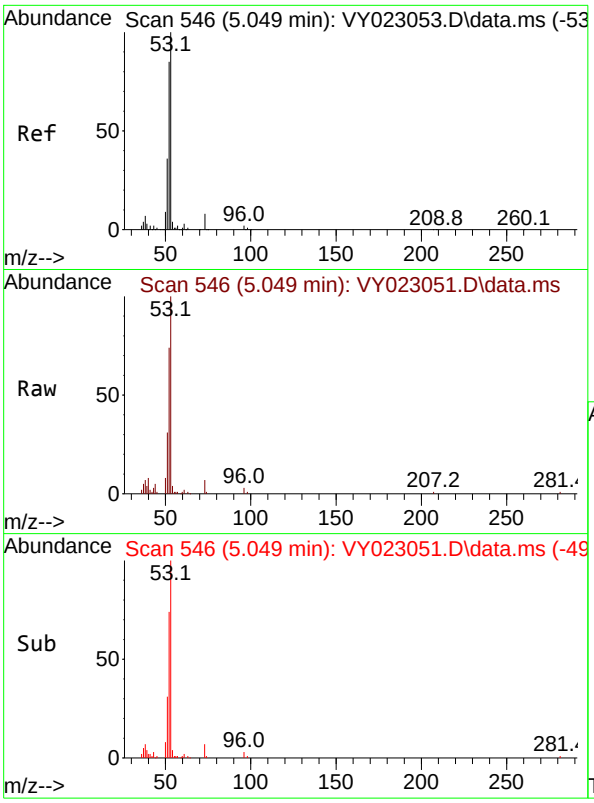


#14
Allyl chloride
Concen: 10.121 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 79145

Ion	Ratio	Lower	Upper
41	100		
39	72.7	59.8	89.6
76	41.9	33.7	50.5



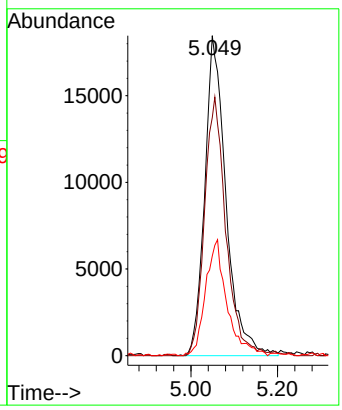


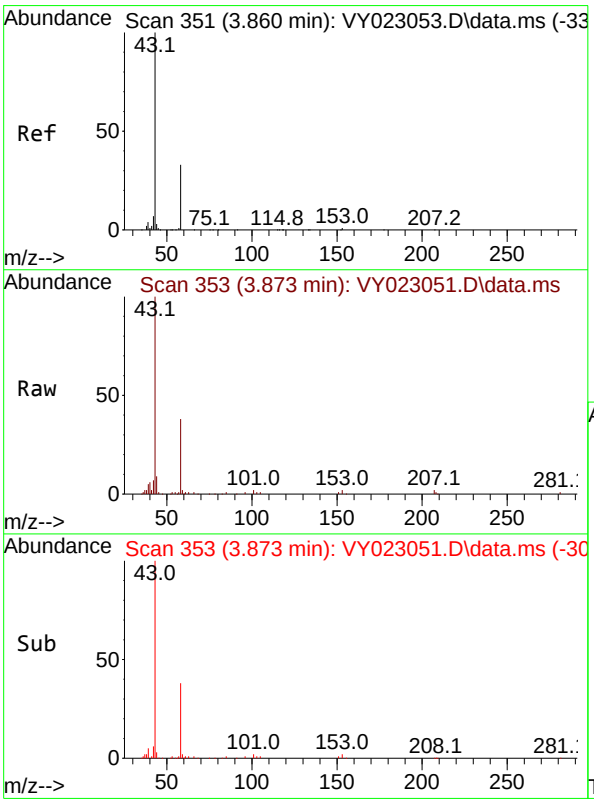
#15
Acrylonitrile
Concen: 53.349 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 62889

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.3	97.9
51	36.5	29.5	44.3

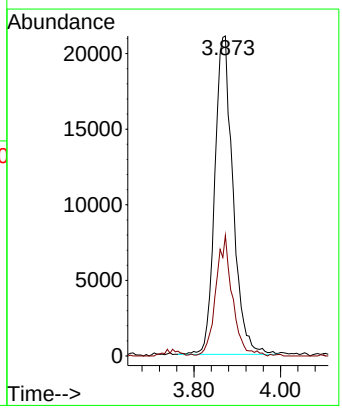


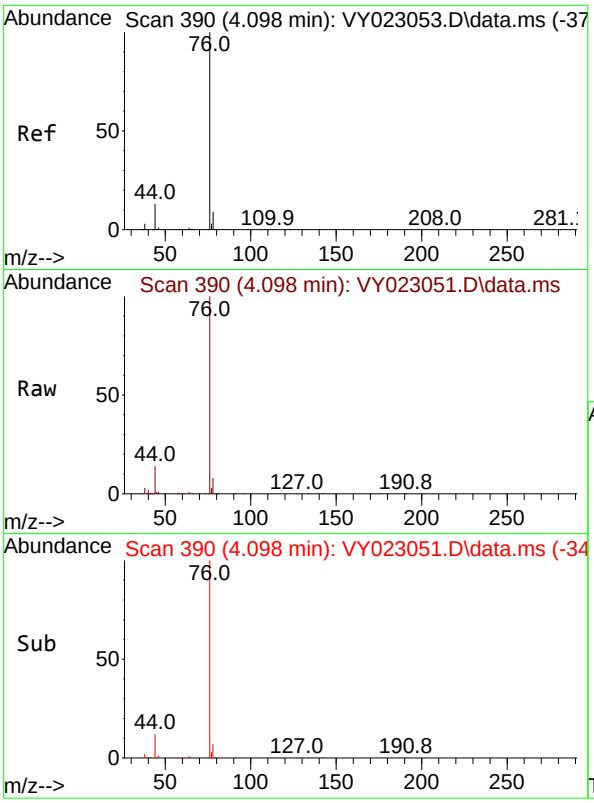


#16
Acetone
Concen: 53.821 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 61290

Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.1	40.7



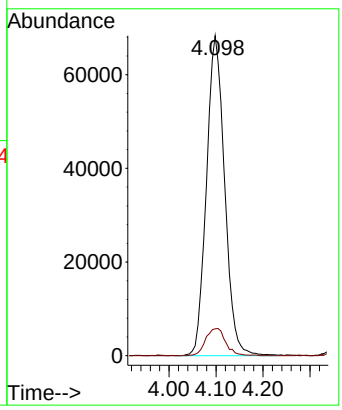


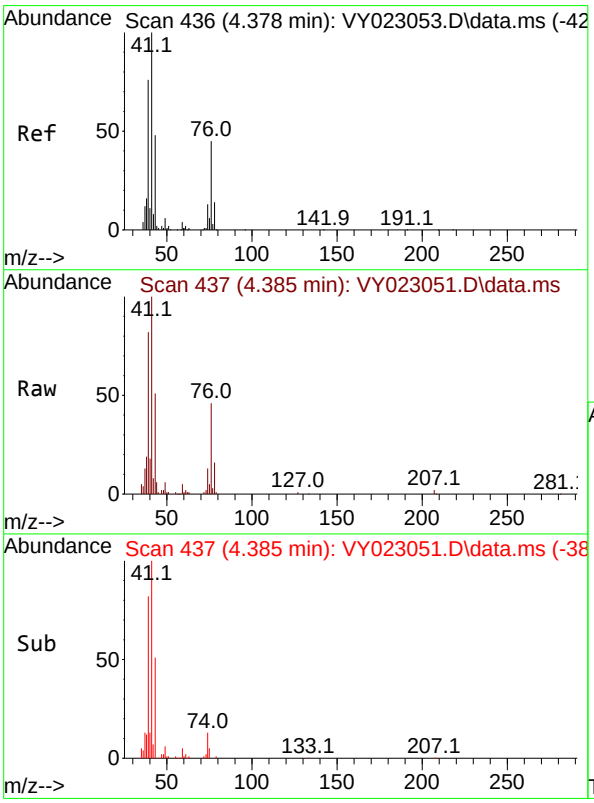
#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 183399

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

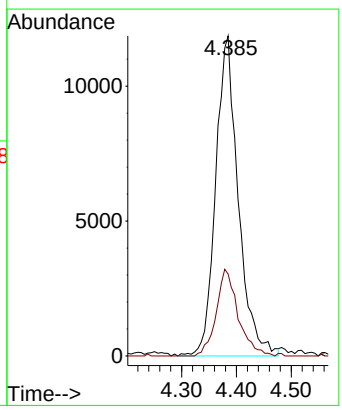


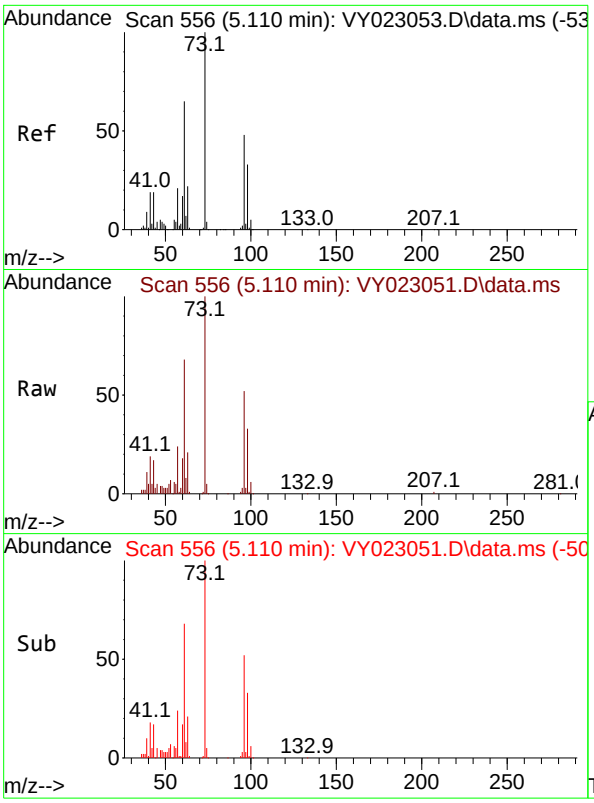


#18
Methyl Acetate
Concen: 10.032 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 33996

Ion	Ratio	Lower	Upper
43	100		
74	26.2	21.2	31.8



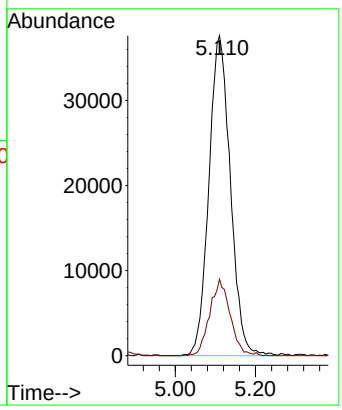


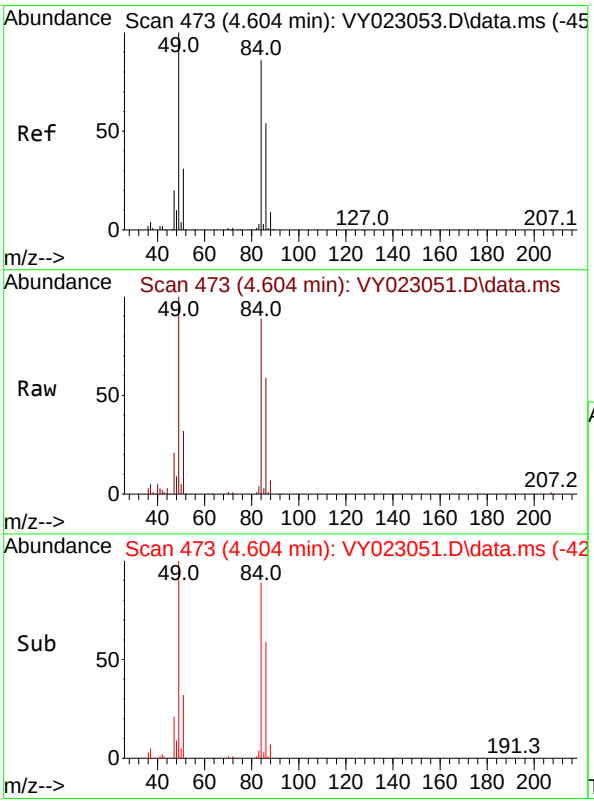
#19
Methyl tert-butyl Ether
Concen: 10.153 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 139820

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.1	25.7

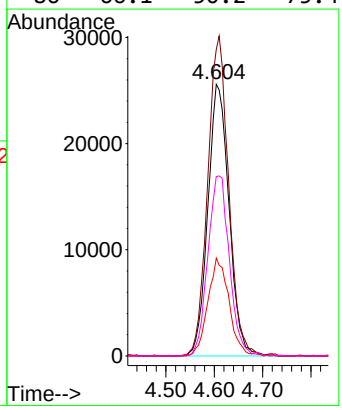


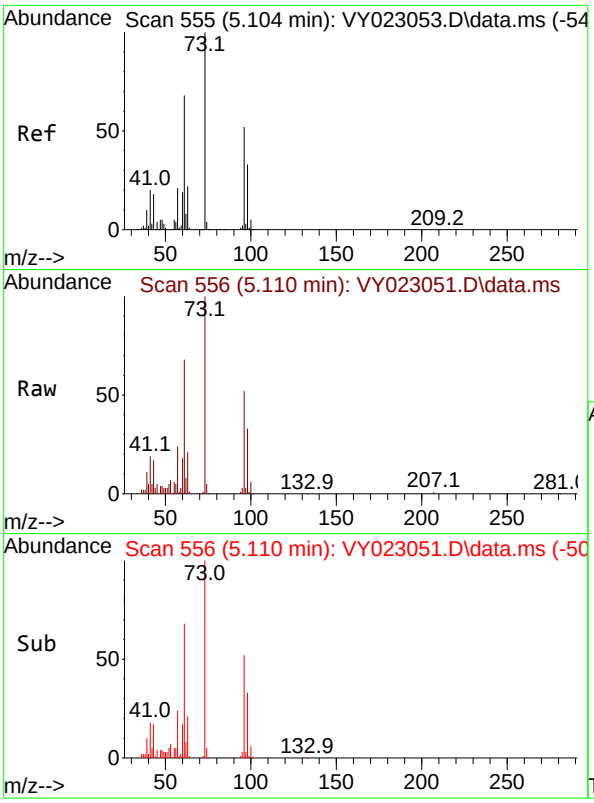


#20
Methylene Chloride
Concen: 11.095 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 84 Resp: 77920

Ion	Ratio	Lower	Upper
84	100		
49	112.8	93.0	139.6
51	36.1	29.0	43.4
86	66.1	50.2	75.4



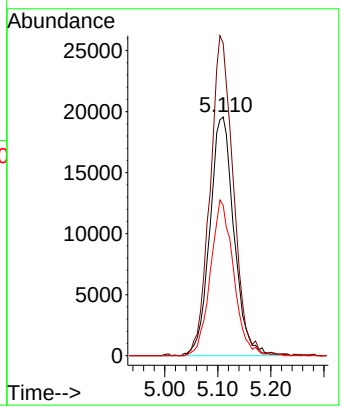


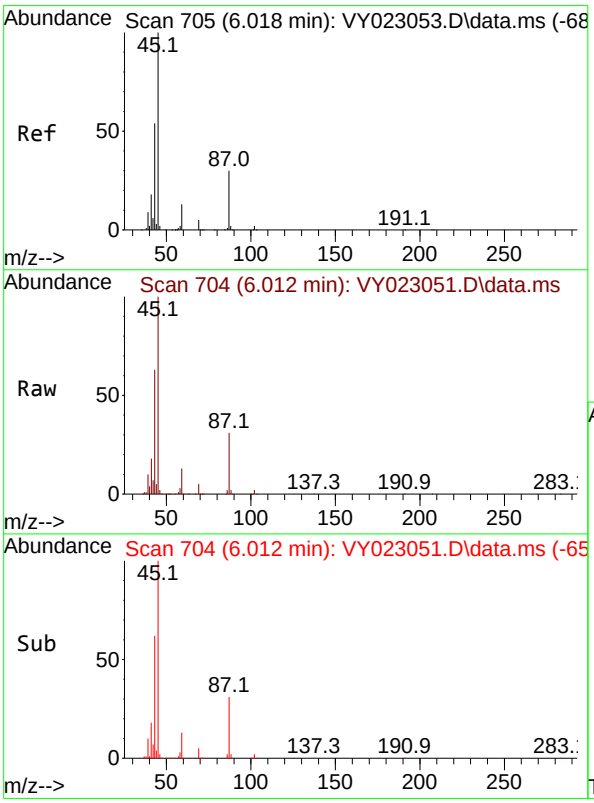
#21
trans-1,2-Dichloroethene
Concen: 10.352 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 61826

Ion	Ratio	Lower	Upper
96	100		
61	130.8	104.8	157.2
98	63.0	50.1	75.1

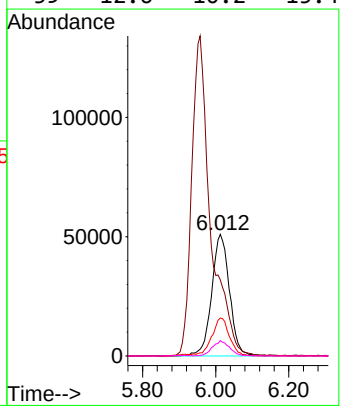


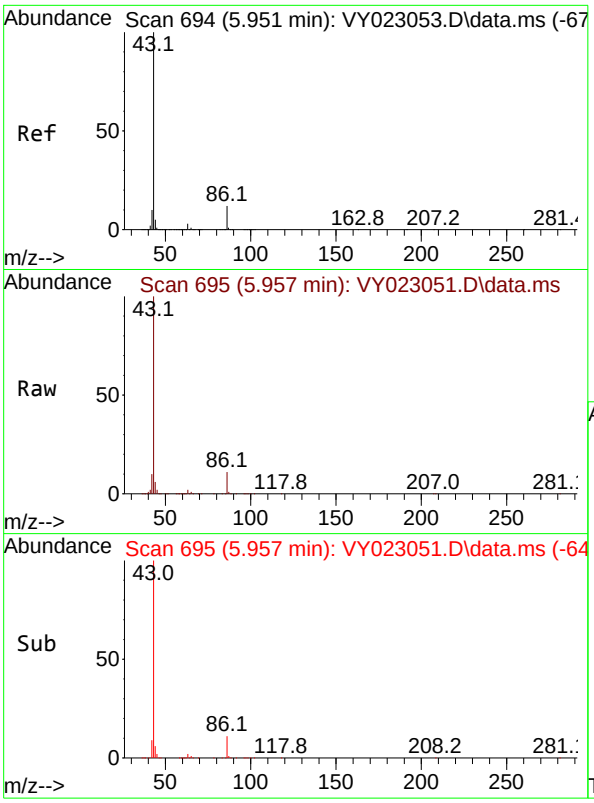


#22
Diisopropyl ether
Concen: 10.157 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 45 Resp: 172602

Ion	Ratio	Lower	Upper
45	100		
43	62.2	43.4	65.0
87	31.2	24.4	36.6
59	12.6	10.2	15.4



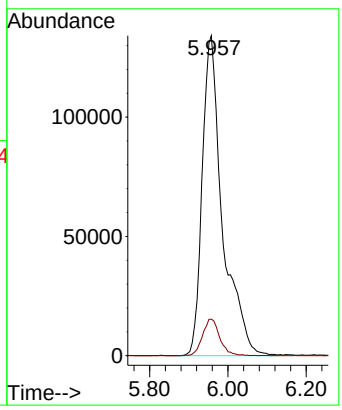


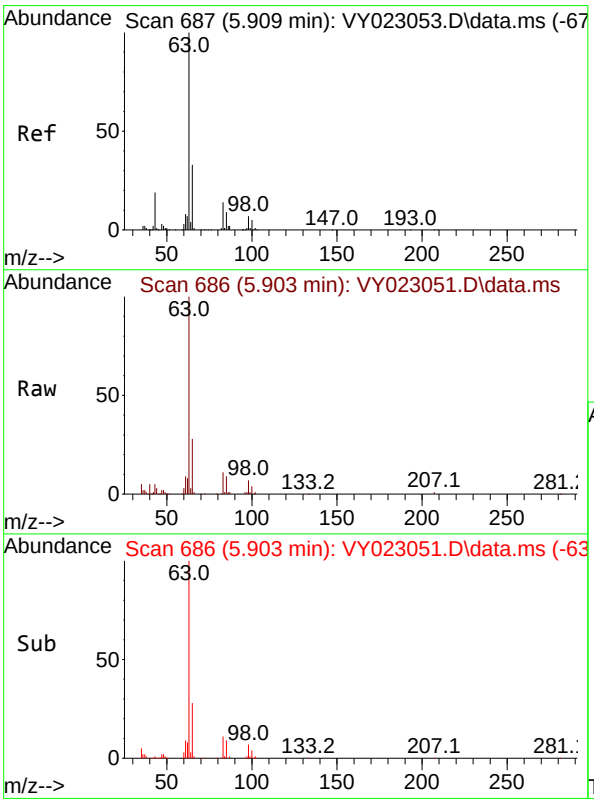
#23
Vinyl Acetate
Concen: 51.372 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 482714

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.6	14.4

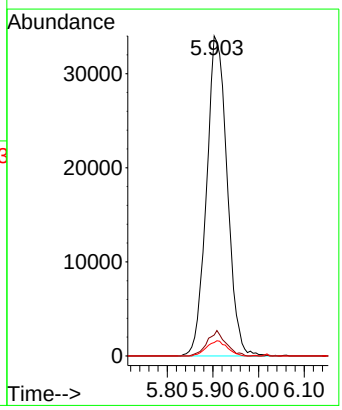


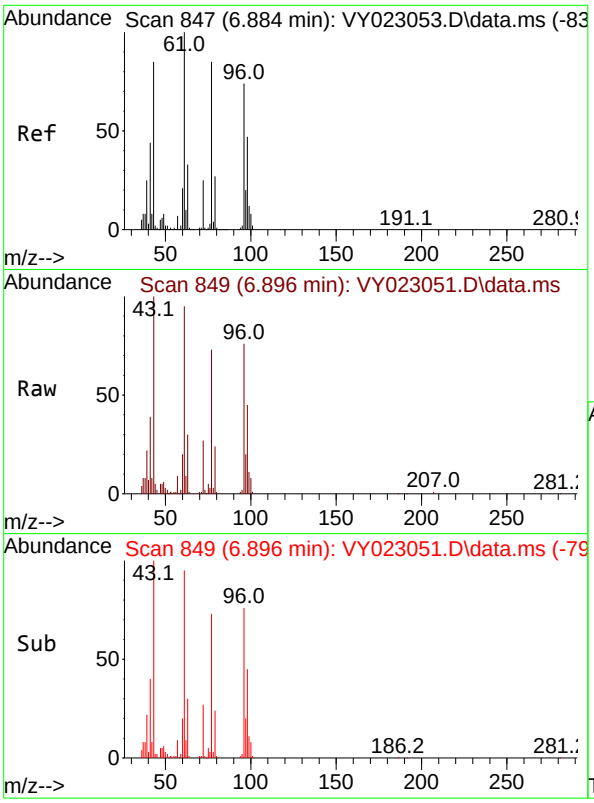


#24
1,1-Dichloroethane
Concen: 10.282 ug/l
RT: 5.903 min Scan# 686
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 106831

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	4.2	2.4	7.1



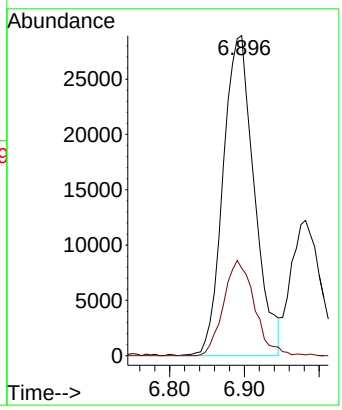


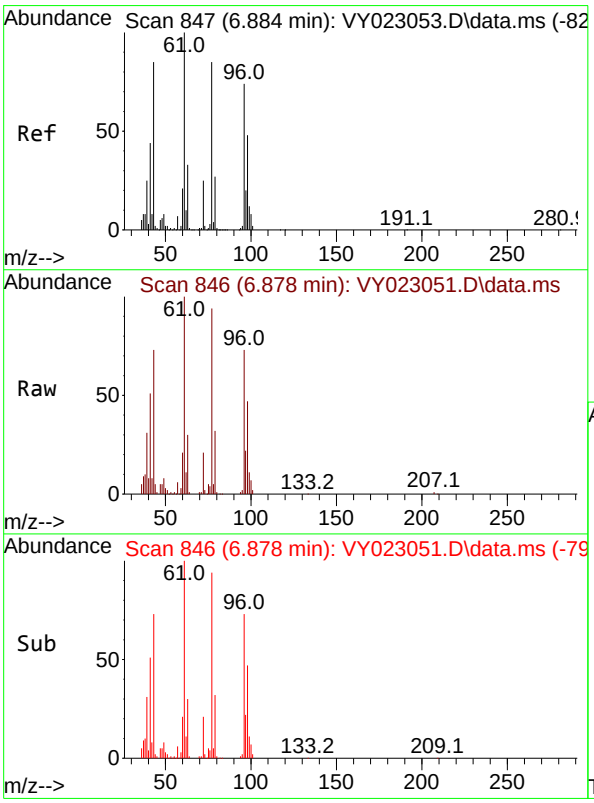
#25
2-Butanone
Concen: 54.187 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 83923

Ion	Ratio	Lower	Upper
43	100		
72	27.3	23.5	35.3

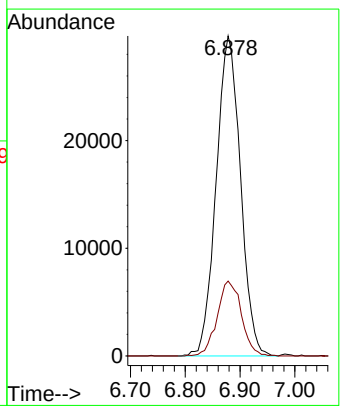


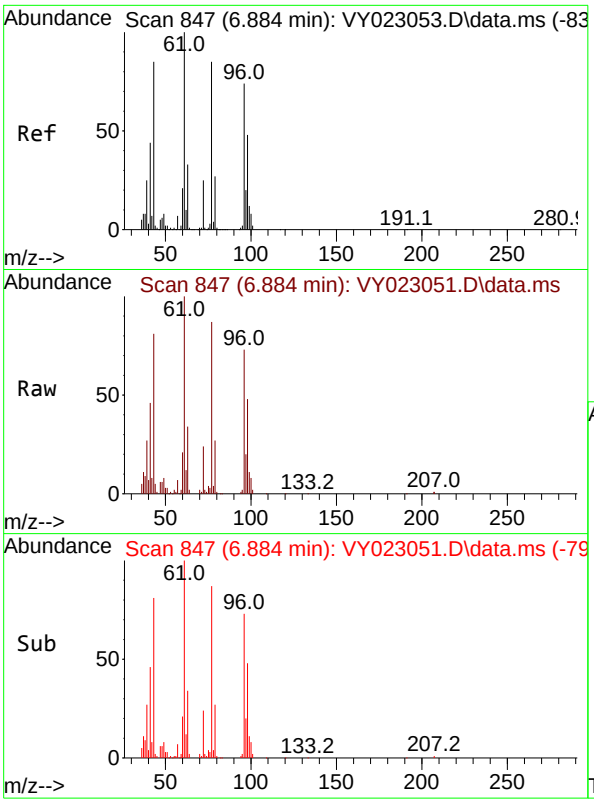


#26
2,2-Dichloropropane
Concen: 10.215 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 77 Resp: 91579

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.8



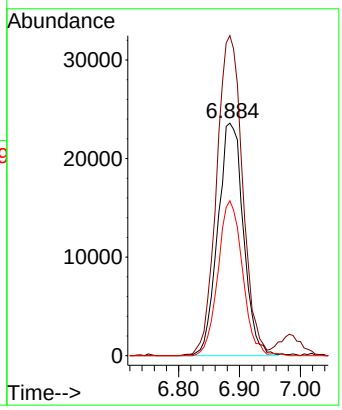


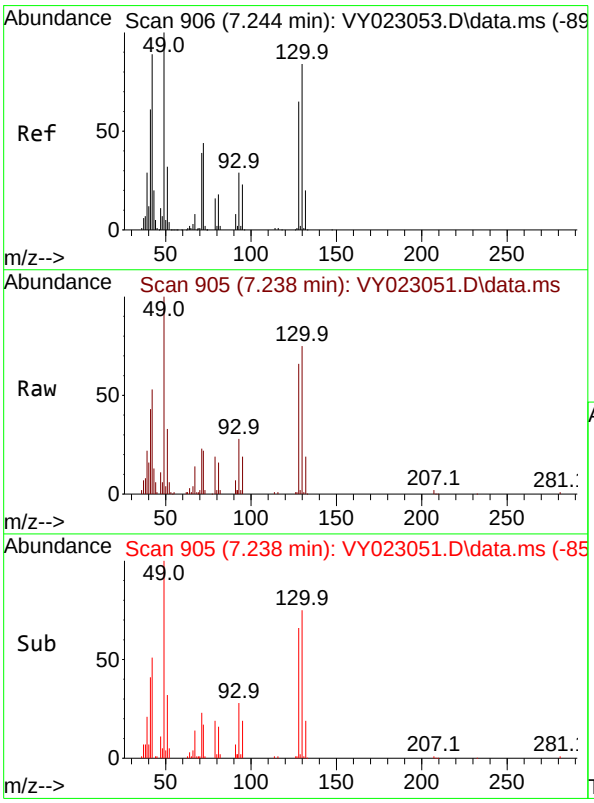
#27
cis-1,2-Dichloroethene
Concen: 9.970 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 68839

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	278.6
98	63.6	0.0	130.4

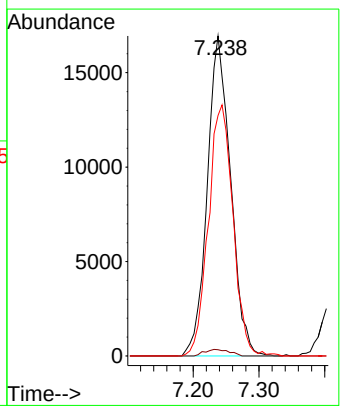


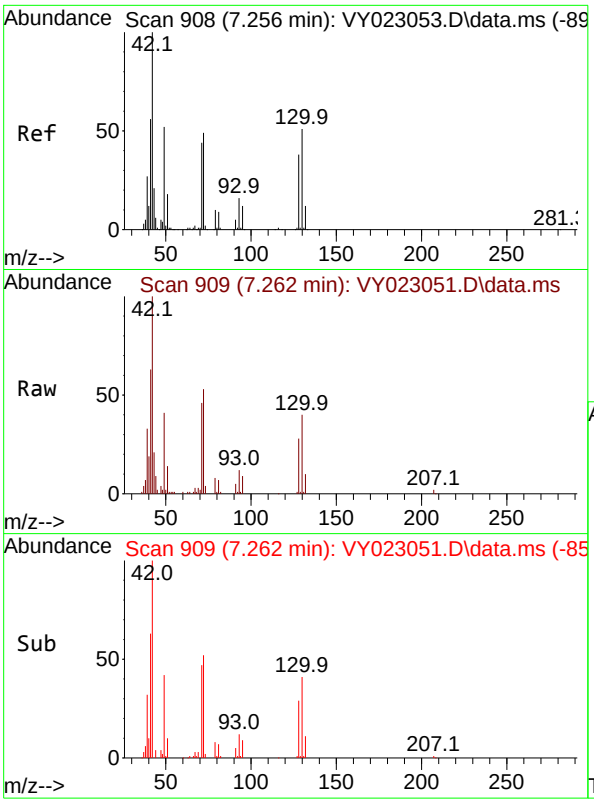


#28
Bromochloromethane
Concen: 10.146 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 49 Resp: 41820

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	82.8	66.4	99.6



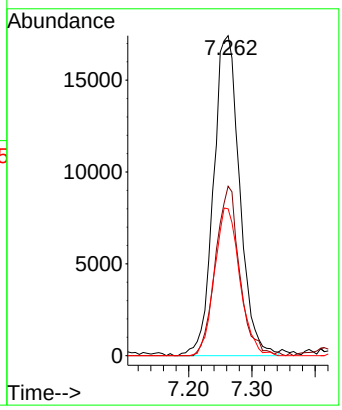


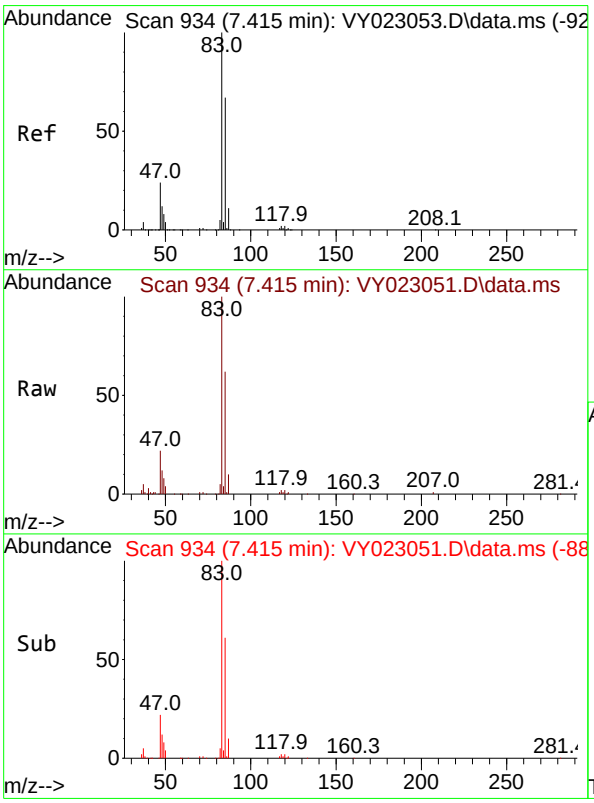
#29
Tetrahydrofuran
Concen: 52.005 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 49926

Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.4	59.2
71	44.8	36.5	54.7

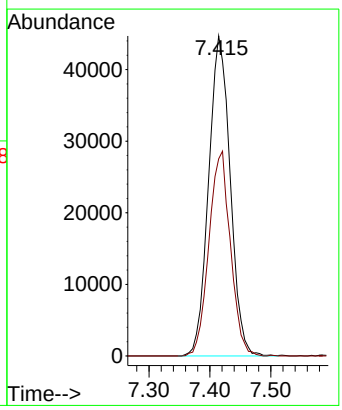


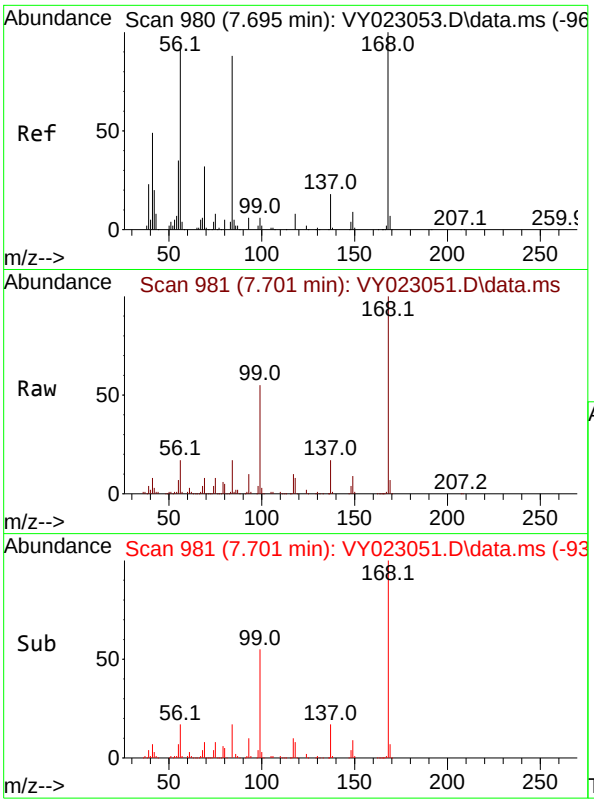


#30
Chloroform
Concen: 10.260 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 83 Resp: 109942

Ion	Ratio	Lower	Upper
83	100		
85	61.6	53.8	80.8



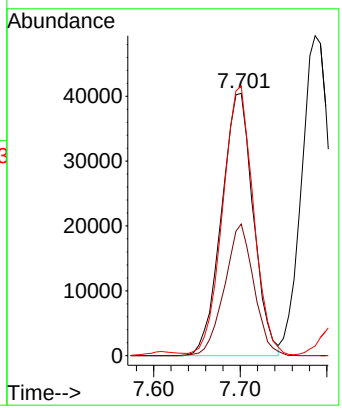


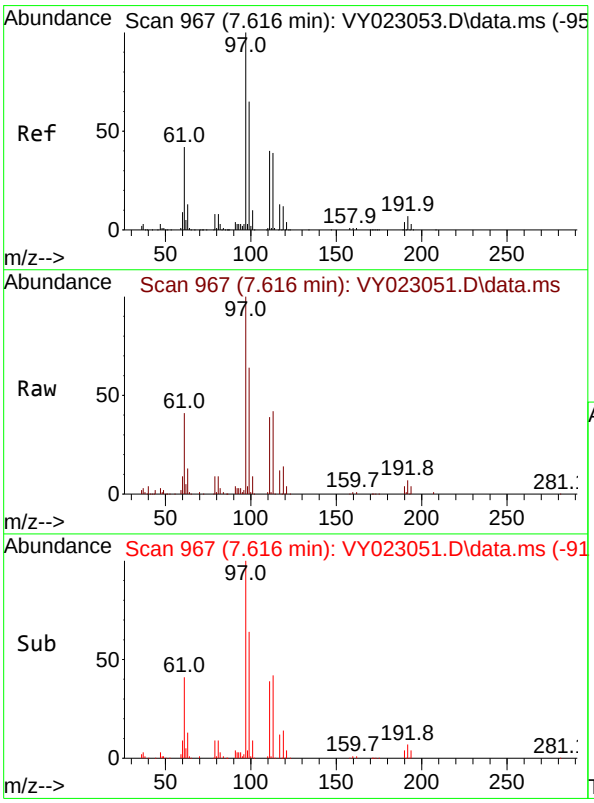
#31
Cyclohexane
Concen: 10.527 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 103068

Ion	Ratio	Lower	Upper
56	100		
69	50.2	28.2	42.2#
84	101.8	76.6	114.8

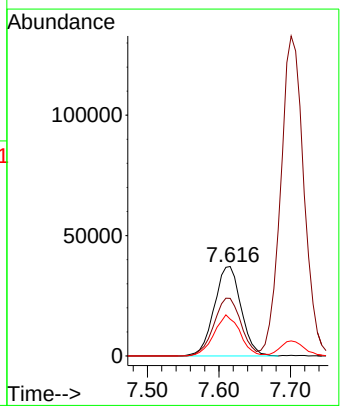


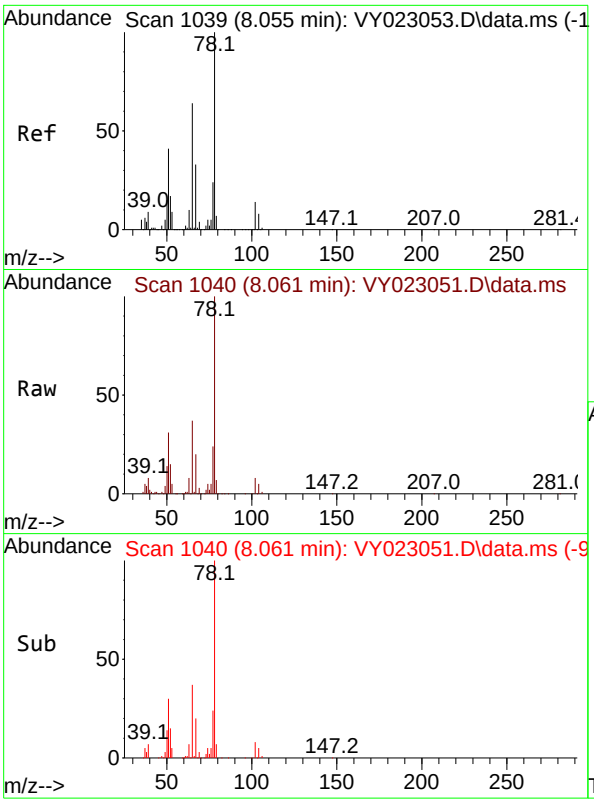


#32
1,1,1-Trichloroethane
Concen: 10.170 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 97 Resp: 96693

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	44.2	34.2	51.2



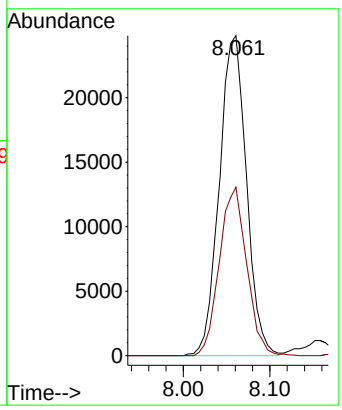


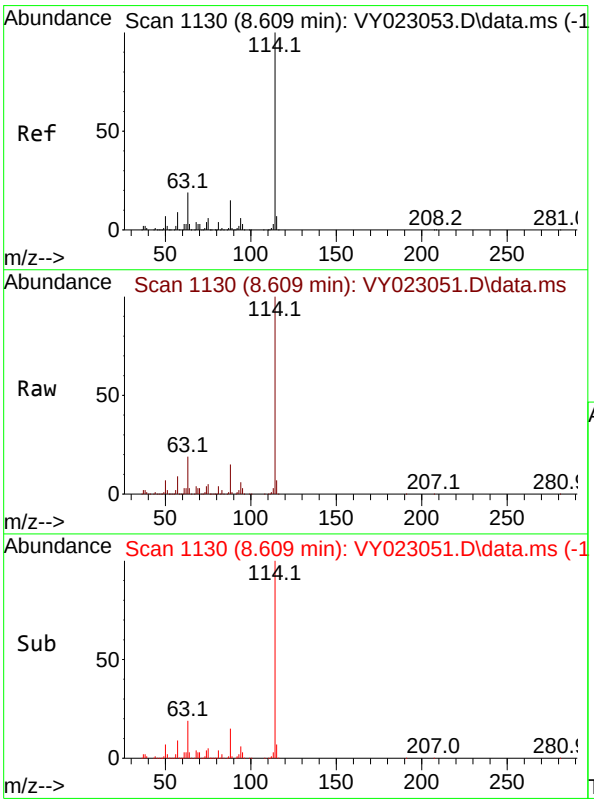
#33
1,2-Dichloroethane-d4
Concen: 10.274 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 54002

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8

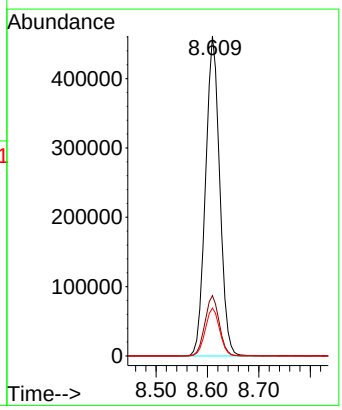


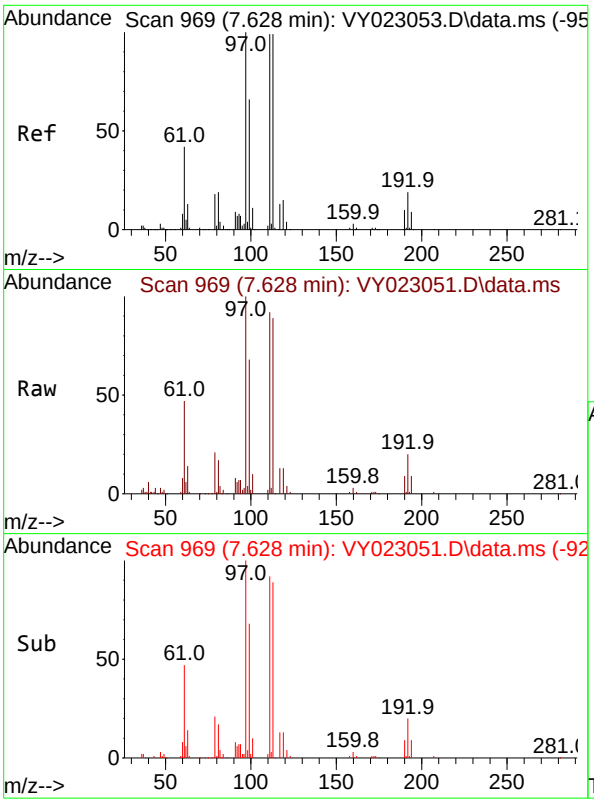


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:114 Resp: 883548

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	14.9	0.0	30.0



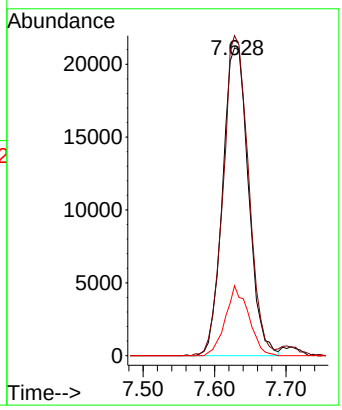


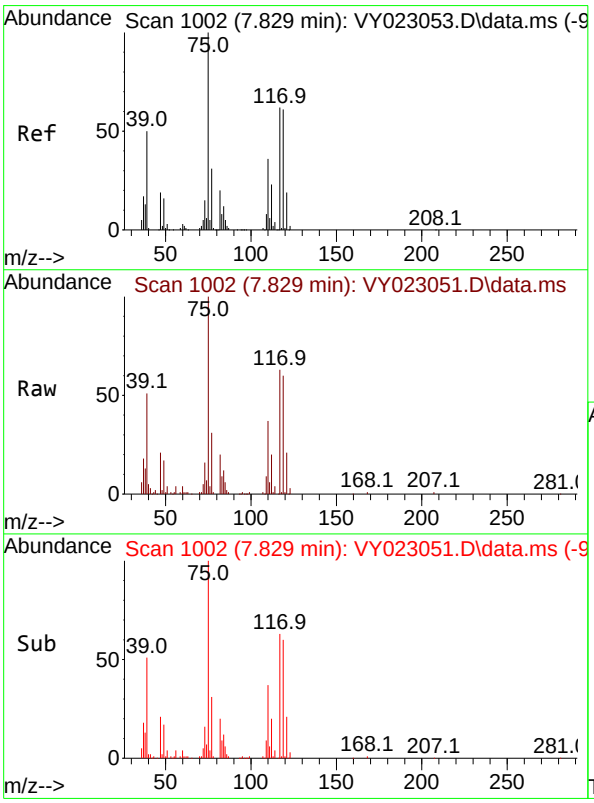
#35
Dibromofluoromethane
Concen: 10.009 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 52916

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	20.5	16.2	24.4

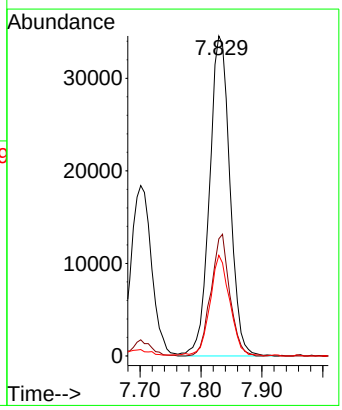


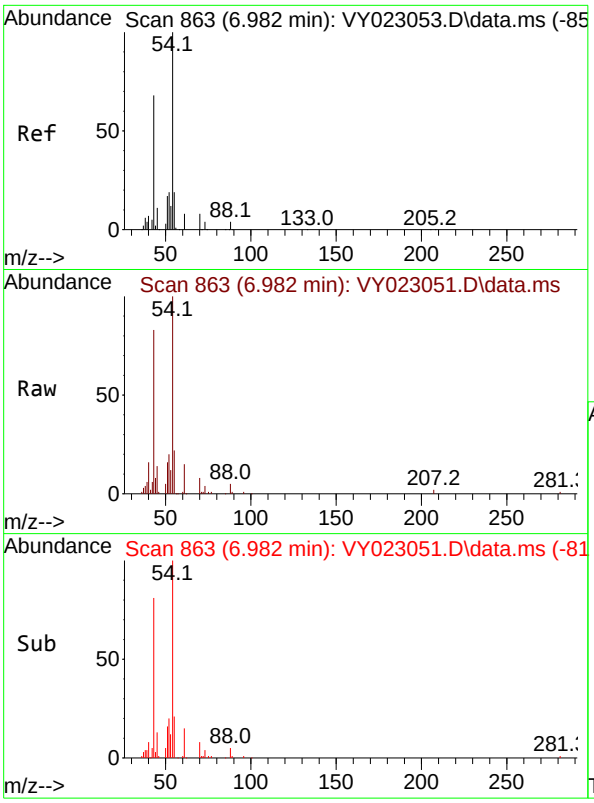


#36
1,1-Dichloropropene
Concen: 10.243 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 80479

Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.4
77	30.7	24.6	37.0



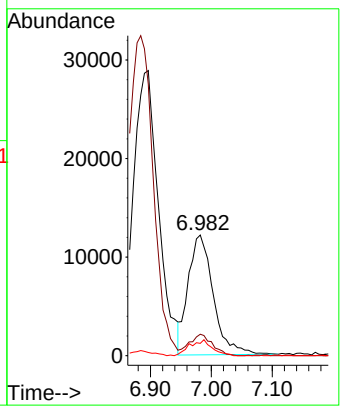


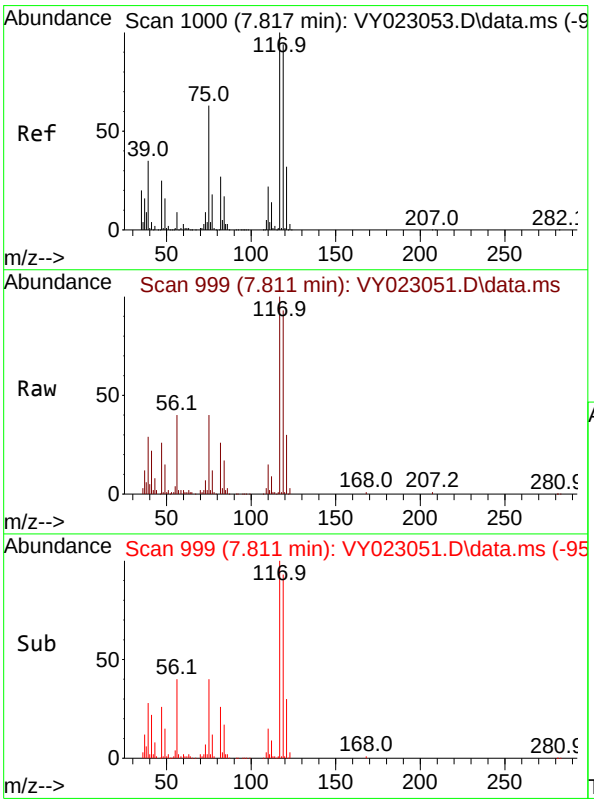
#37
Ethyl Acetate
Concen: 10.560 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 34854

Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.9	17.9
70	11.7	8.8	13.2

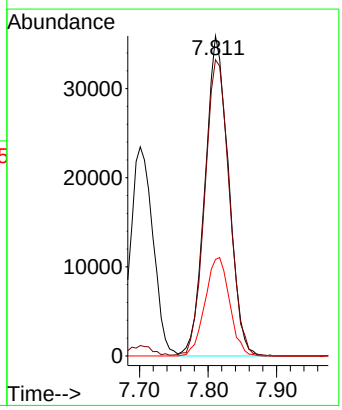


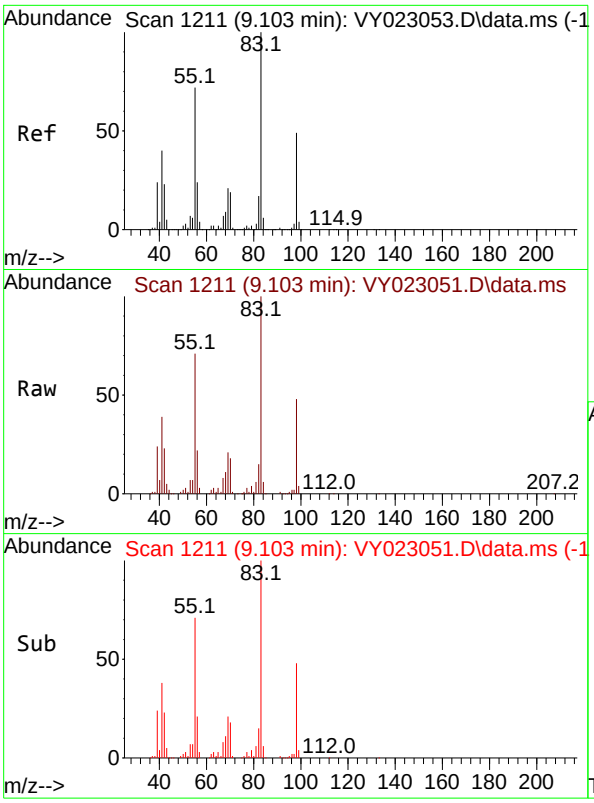


#38
Carbon Tetrachloride
Concen: 10.070 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:117 Resp: 85932

Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.6	113.4
121	30.1	25.8	38.8



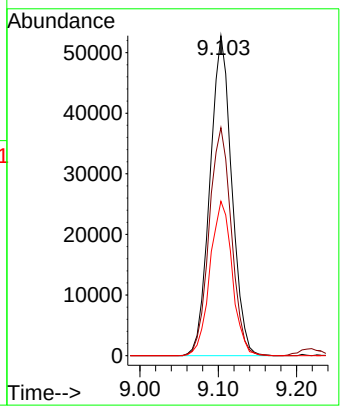


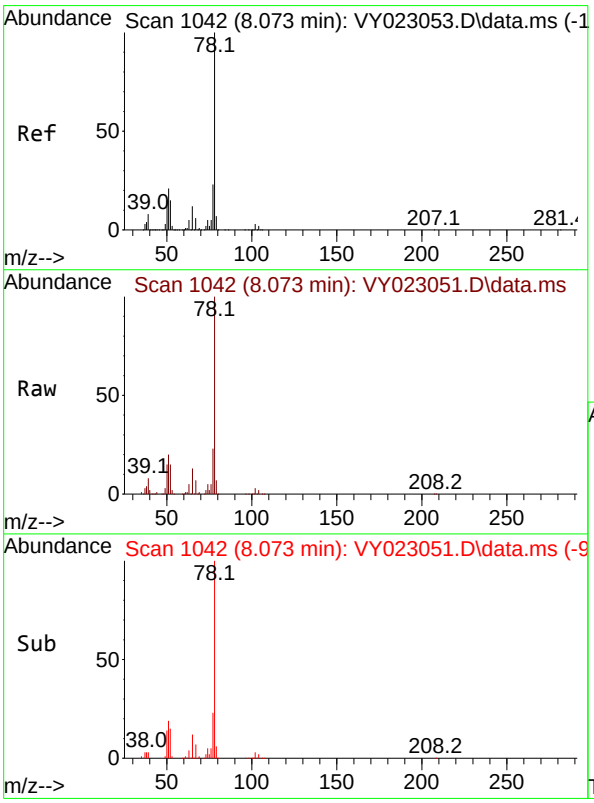
#39
Methylcyclohexane
Concen: 9.885 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 102275

Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.6	86.4
98	48.2	39.2	58.8

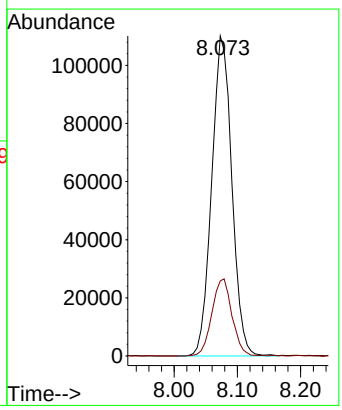


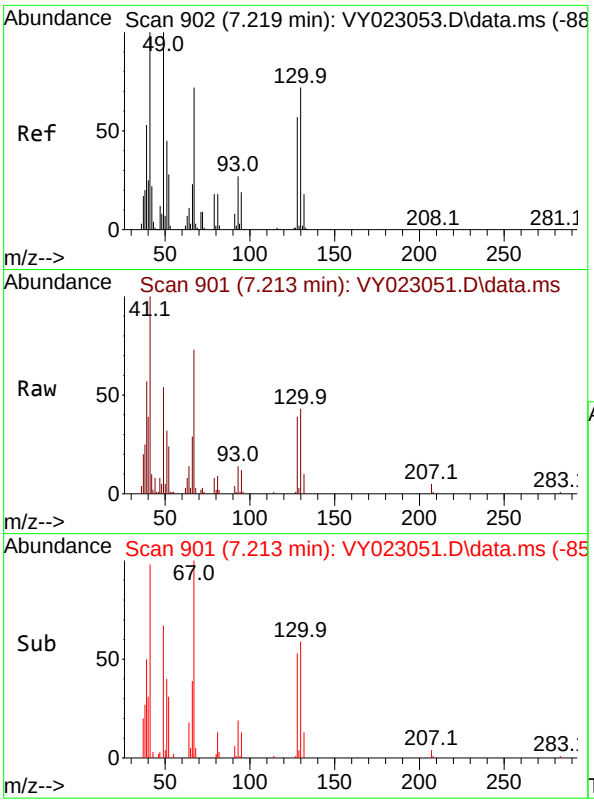


#40
Benzene
Concen: 10.037 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 78 Resp: 243060

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0



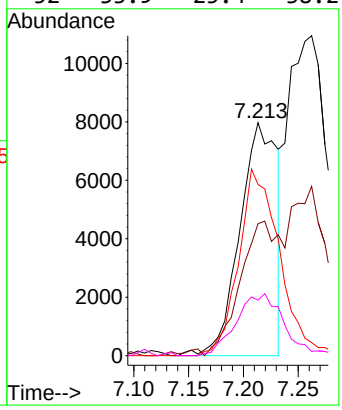


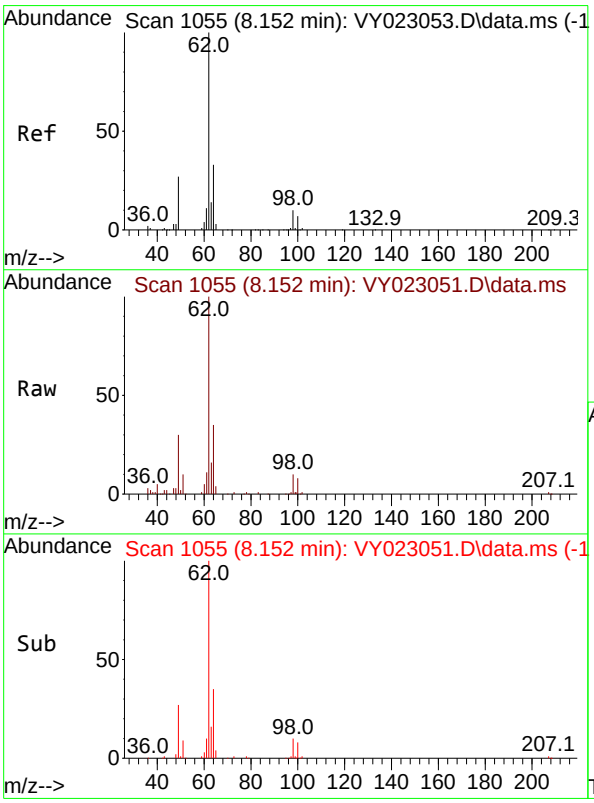
#41
Methacrylonitrile
Concen: 9.872 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 18825

Ion	Ratio	Lower	Upper
41	100		
39	66.1	43.4	65.2#
67	88.6	63.6	95.4
52	33.9	25.4	38.2

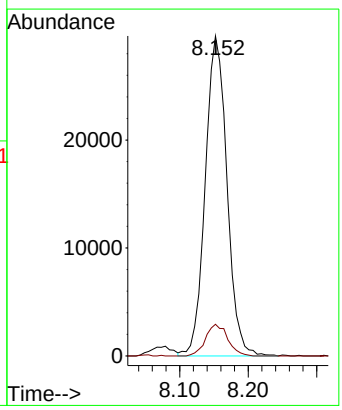


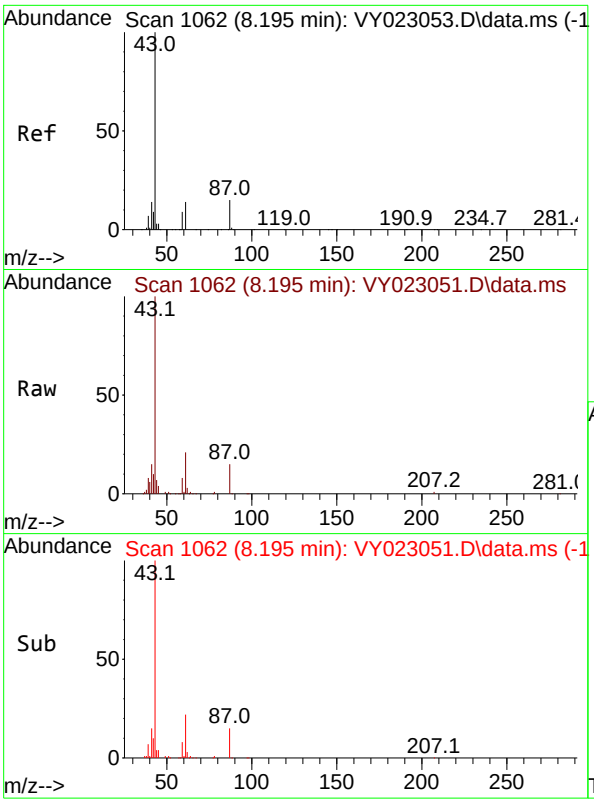


#42
1,2-Dichloroethane
Concen: 10.376 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 65350

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



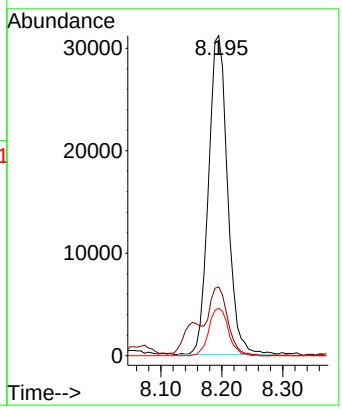


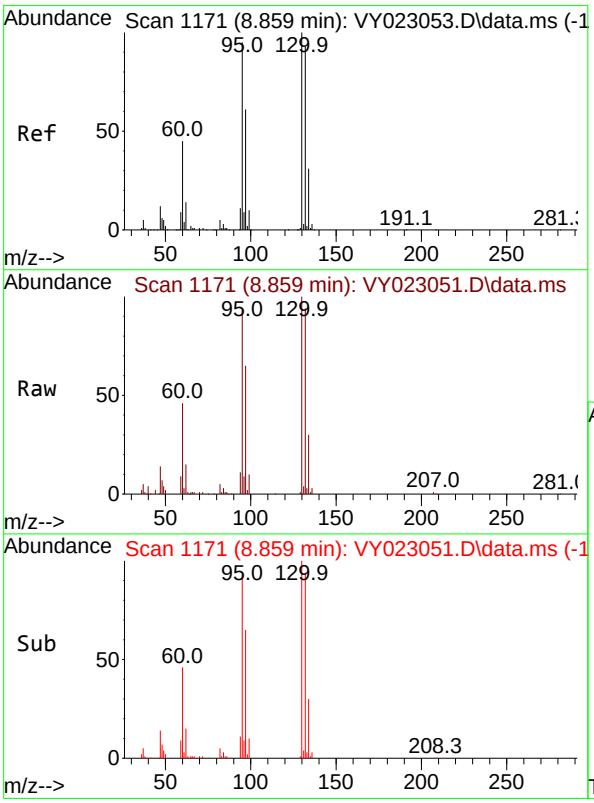
#43
Isopropyl Acetate
Concen: 10.144 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 67669

Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.4	24.6
87	15.2	11.8	17.6

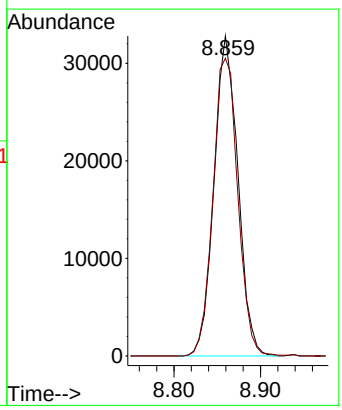


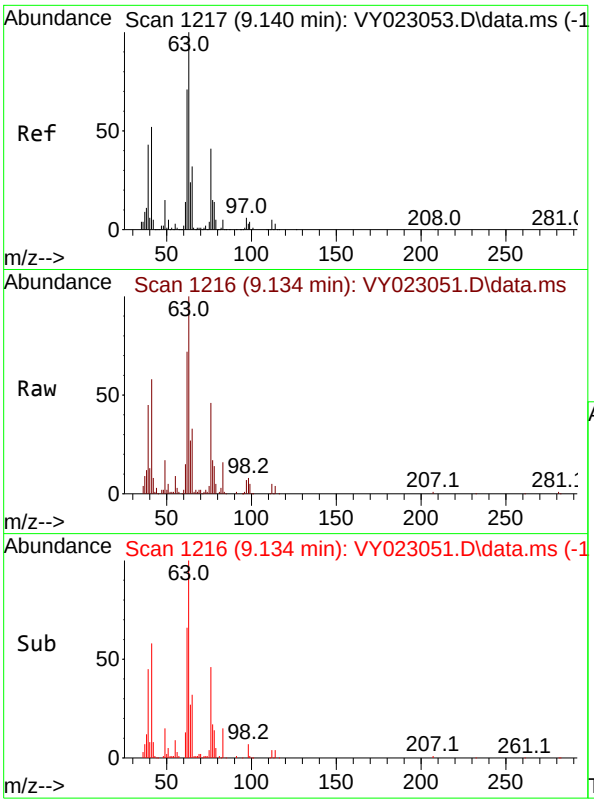


#44
Trichloroethene
Concen: 10.017 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:130 Resp: 62689

Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.2



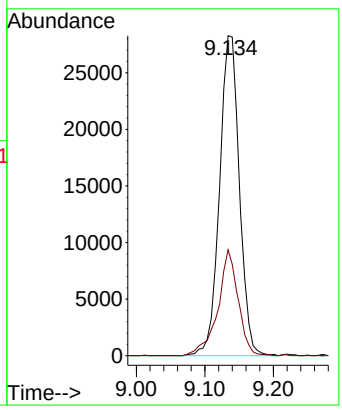


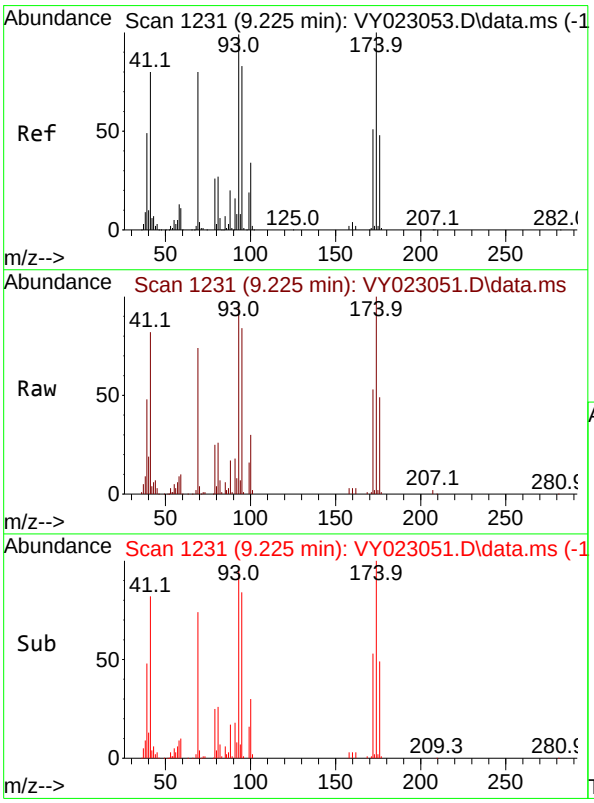
#45
1,2-Dichloropropane
Concen: 10.179 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 56720

Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.3	37.9

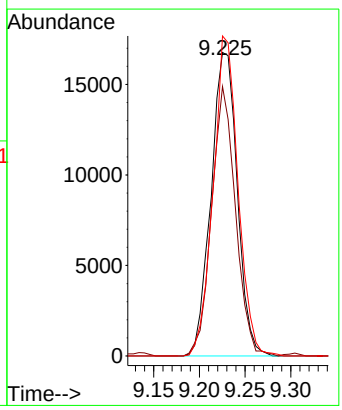


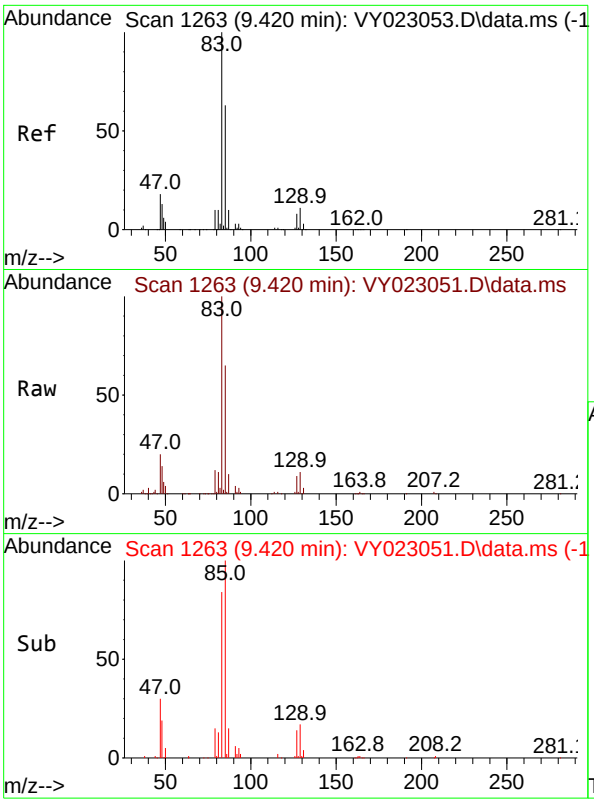


#46
Dibromomethane
Concen: 10.462 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 93 Resp: 33460

Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.5	99.7
174	100.0	81.8	122.8



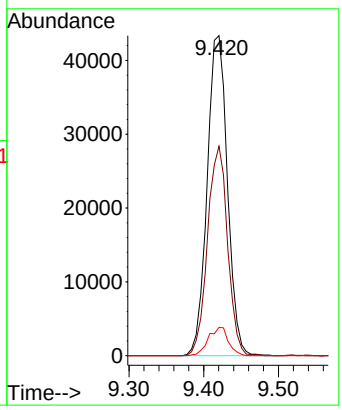


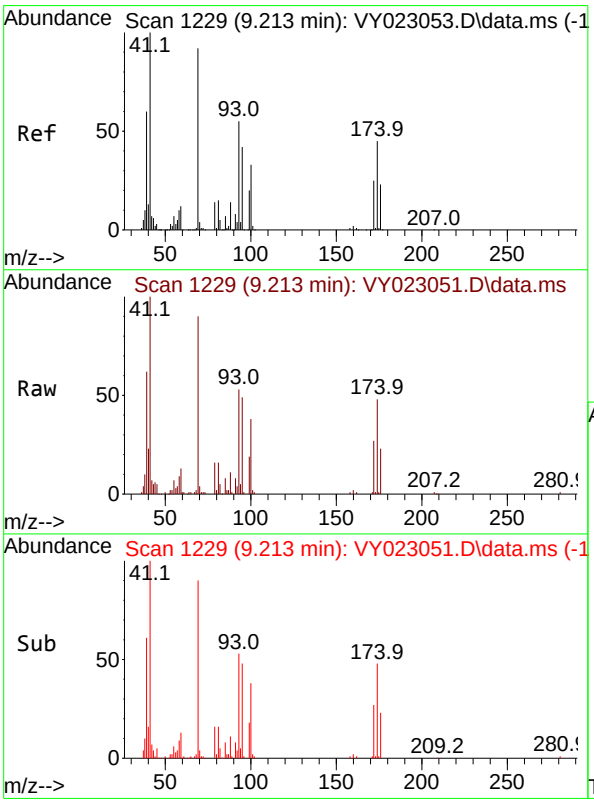
#47
Bromodichloromethane
Concen: 9.959 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 81951

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.2	75.4
127	8.8	6.6	10.0

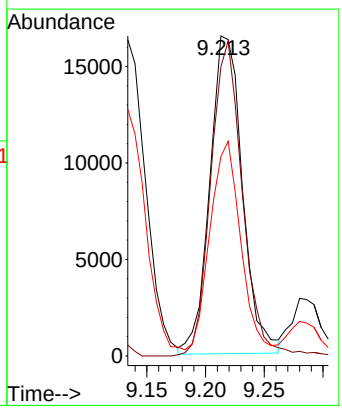


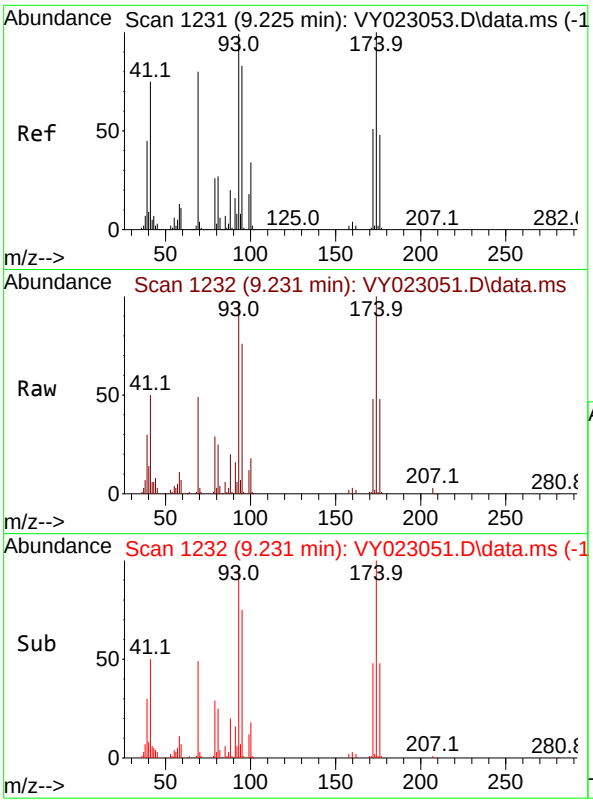


#48
Methyl methacrylate
Concen: 9.978 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 31851

Ion	Ratio	Lower	Upper
41	100		
69	96.0	73.2	109.8
39	60.9	47.0	70.4



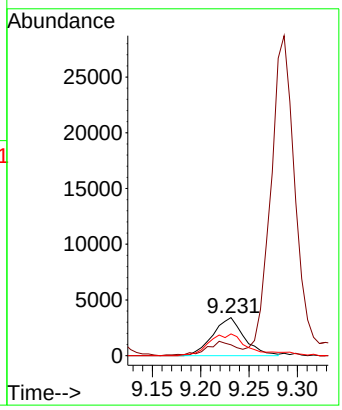


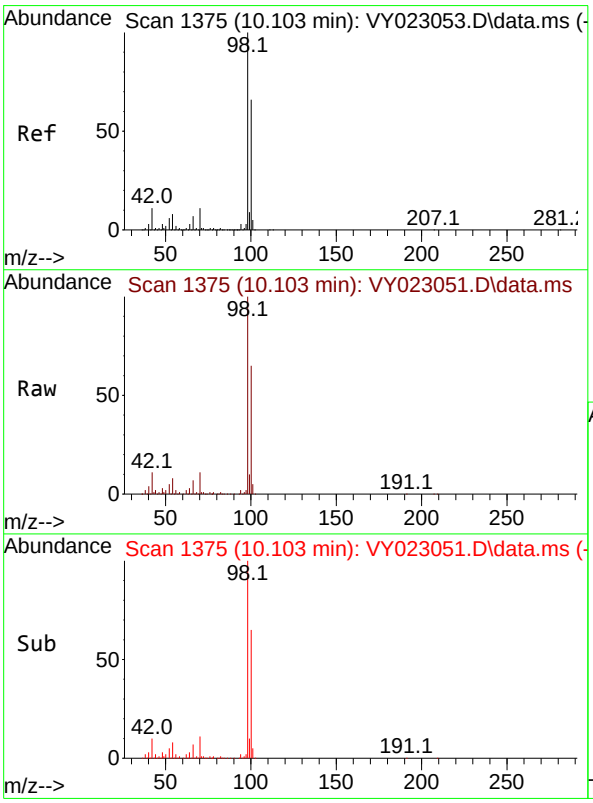
#49
1,4-Dioxane
Concen: 205.471 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 7705

Ion	Ratio	Lower	Upper
88	100		
43	35.3	24.3	36.5
58	73.3	55.4	83.0

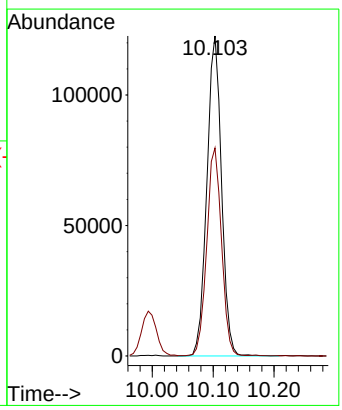


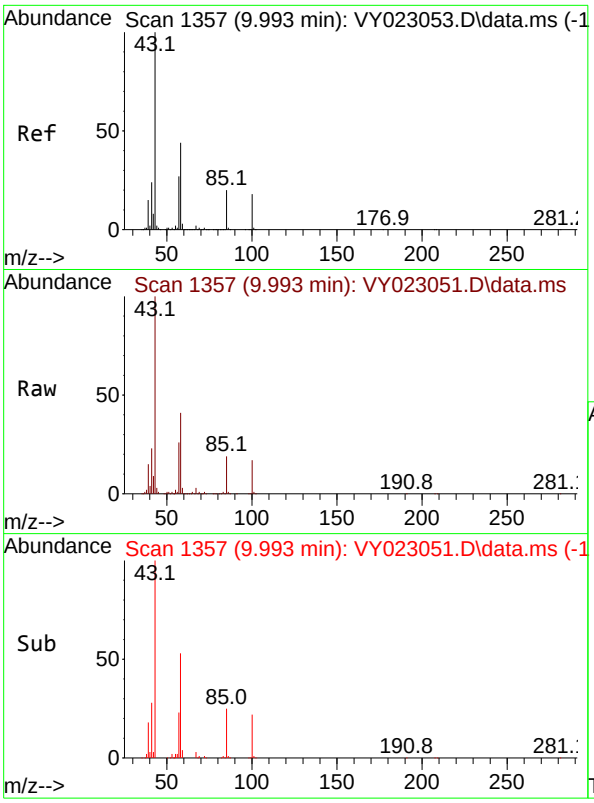


#50
Toluene-d8
Concen: 9.903 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 98 Resp: 204532

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5



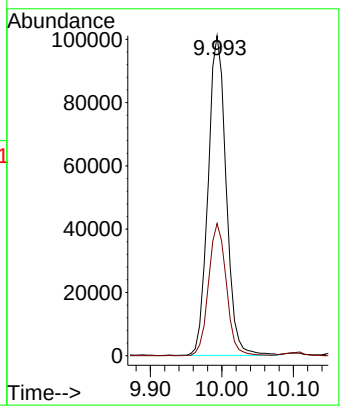


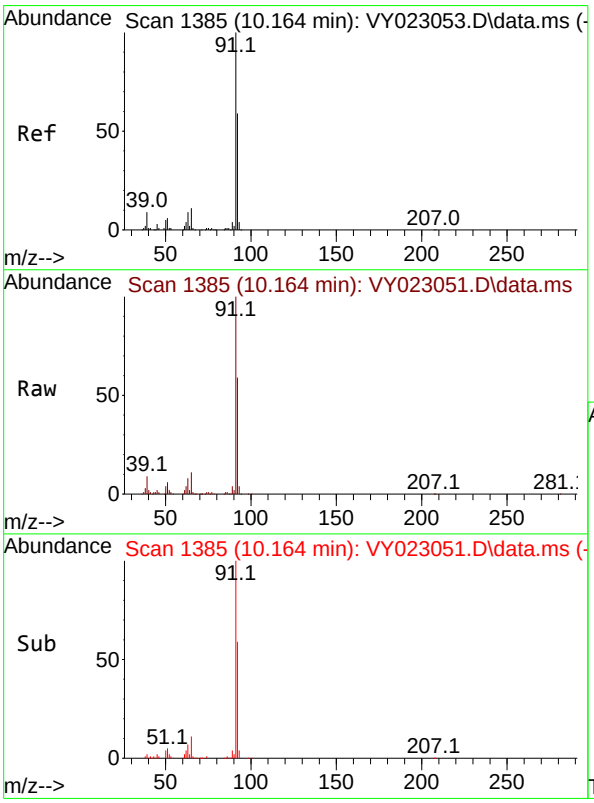
#51
4-Methyl-2-Pentanone
Concen: 51.484 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 177157

Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.5	50.3

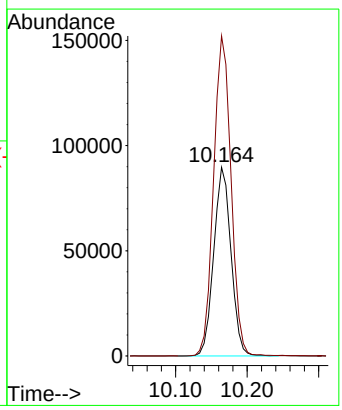


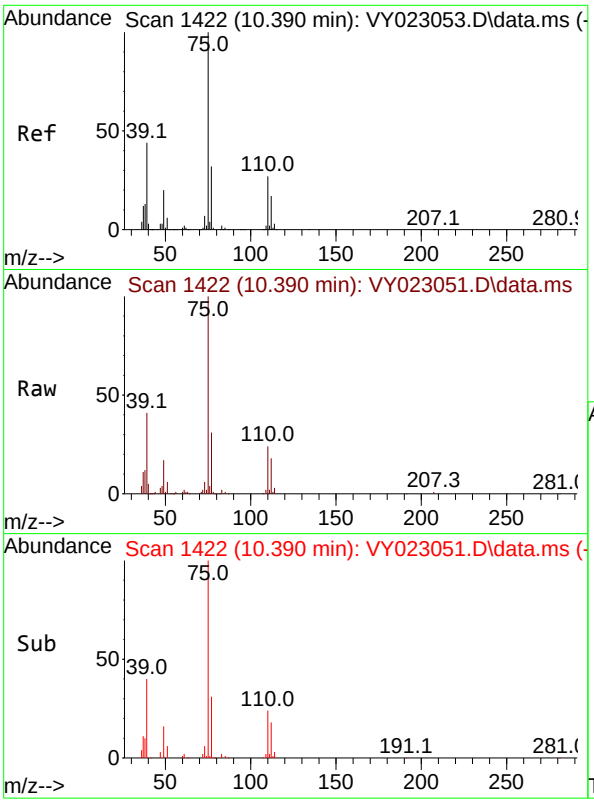


#52
Toluene
Concen: 9.780 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 92 Resp: 150422

Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.4	204.6



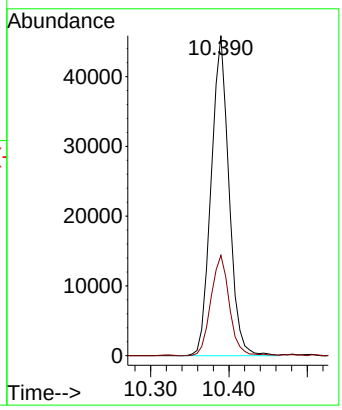


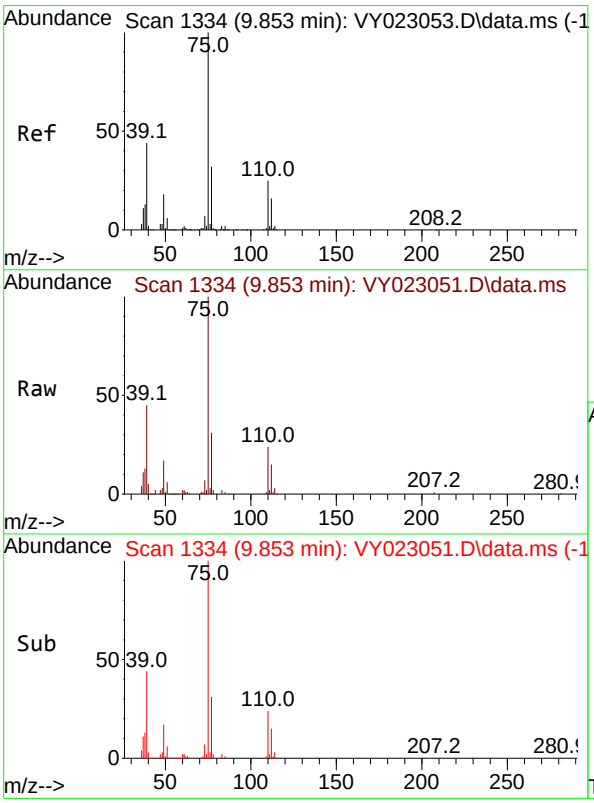
#53
t-1,3-Dichloropropene
Concen: 9.730 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 72507

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

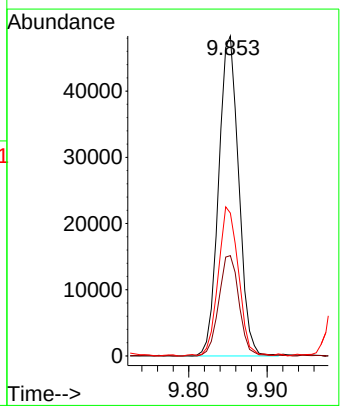


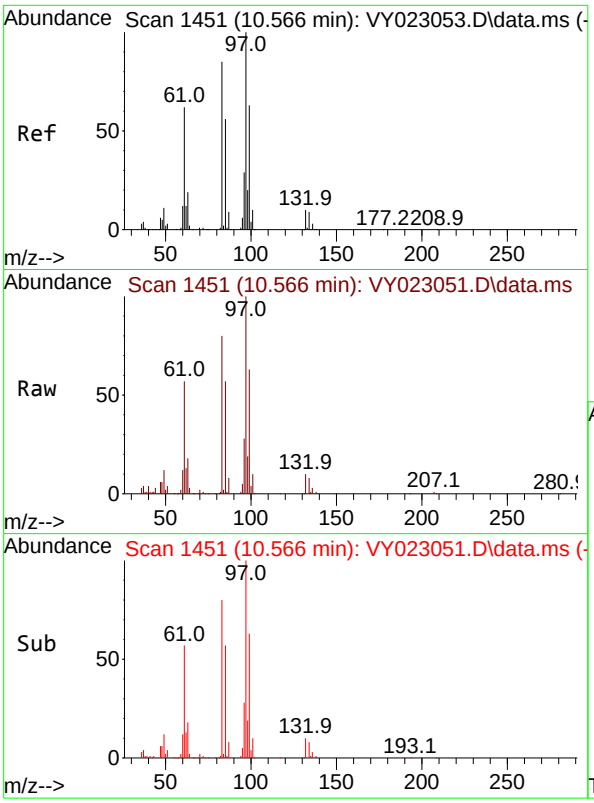


#54
cis-1,3-Dichloropropene
Concen: 9.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 85945

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	44.6	35.6	53.4



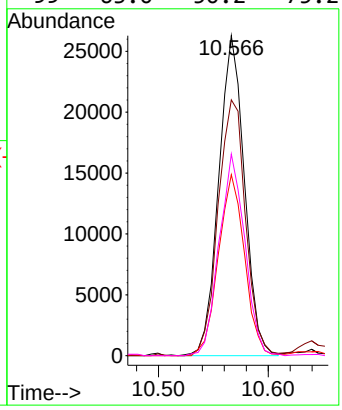


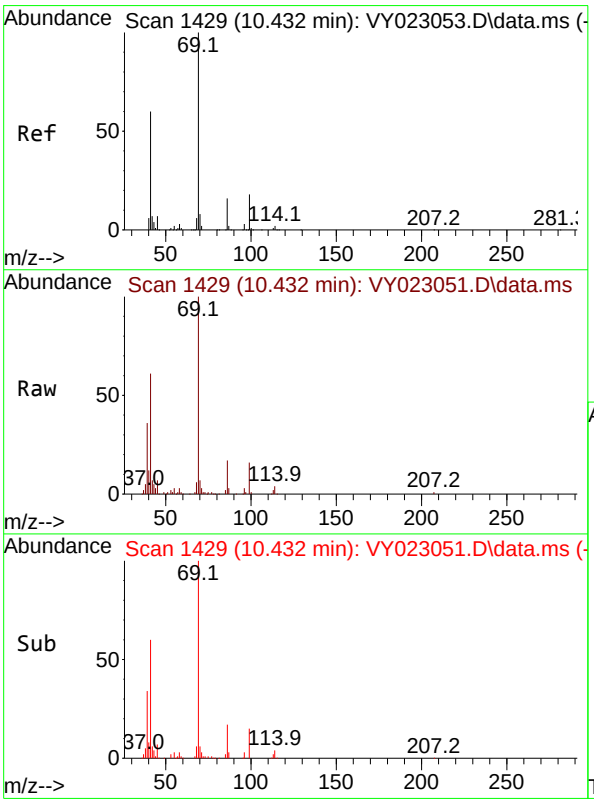
#55
1,1,2-Trichloroethane
Concen: 9.981 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 42712

Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.7	101.5
85	56.6	44.5	66.7
99	63.0	50.2	75.2

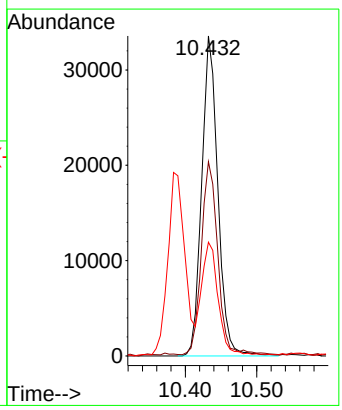


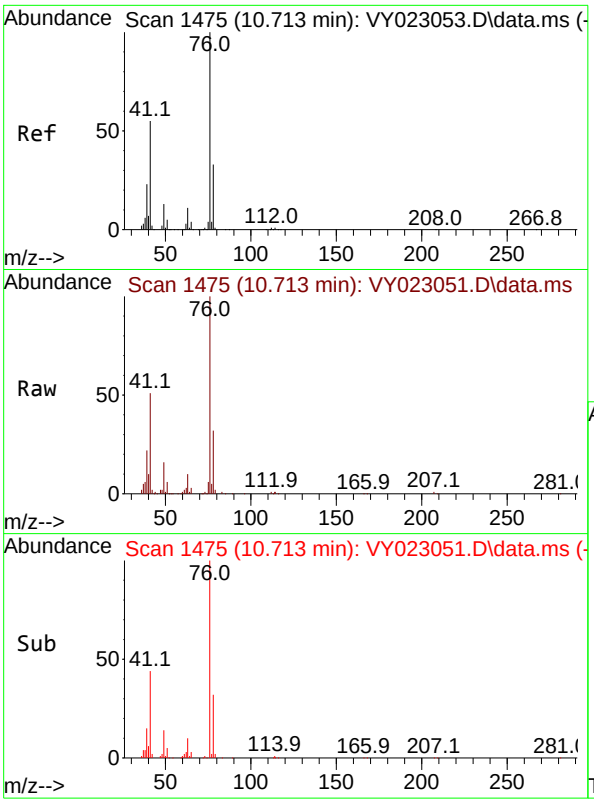


#56
Ethyl methacrylate
Concen: 9.632 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 69 Resp: 52746

Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.6	72.8
39	35.9	27.0	40.4



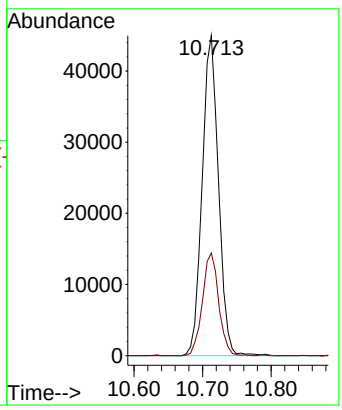


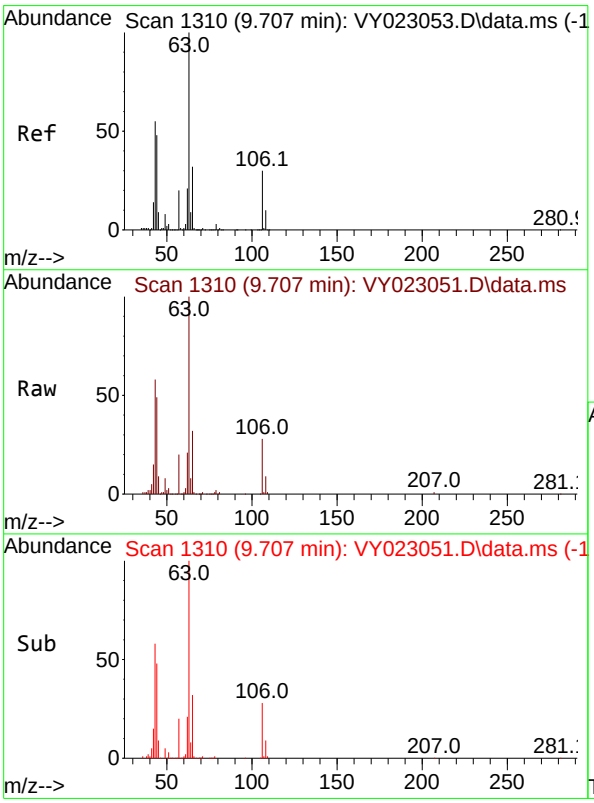
#57
1,3-Dichloropropane
Concen: 10.256 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 74433

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

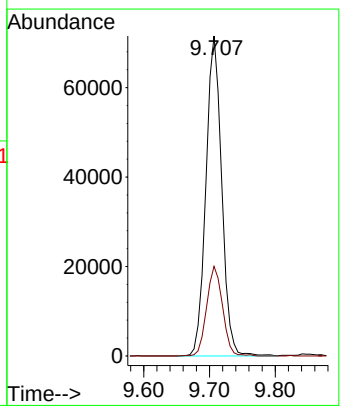


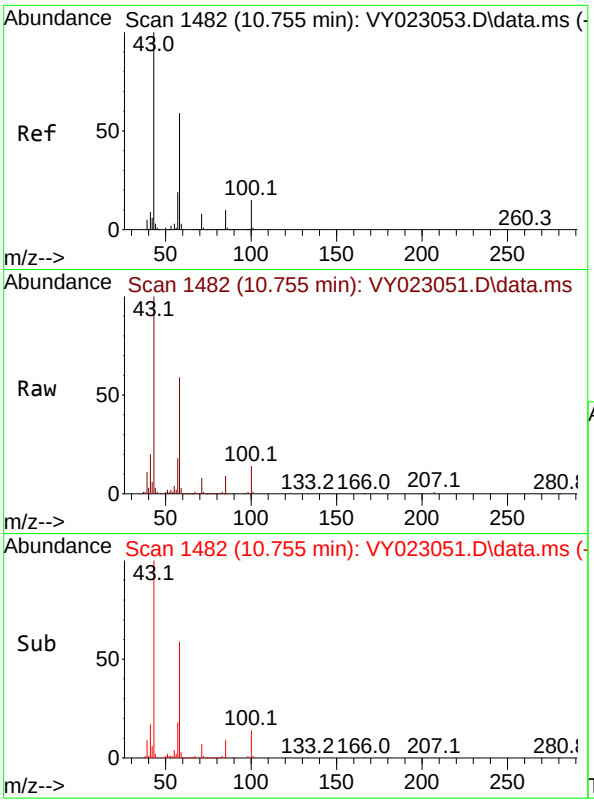


#58
2-Chloroethyl Vinyl ether
Concen: 46.232 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 119417

Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.2	34.8



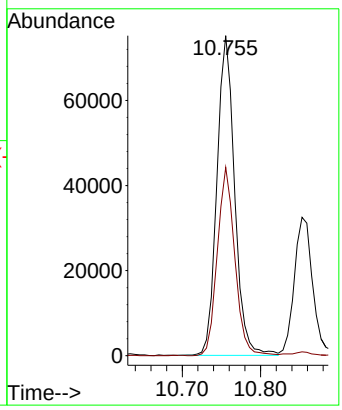


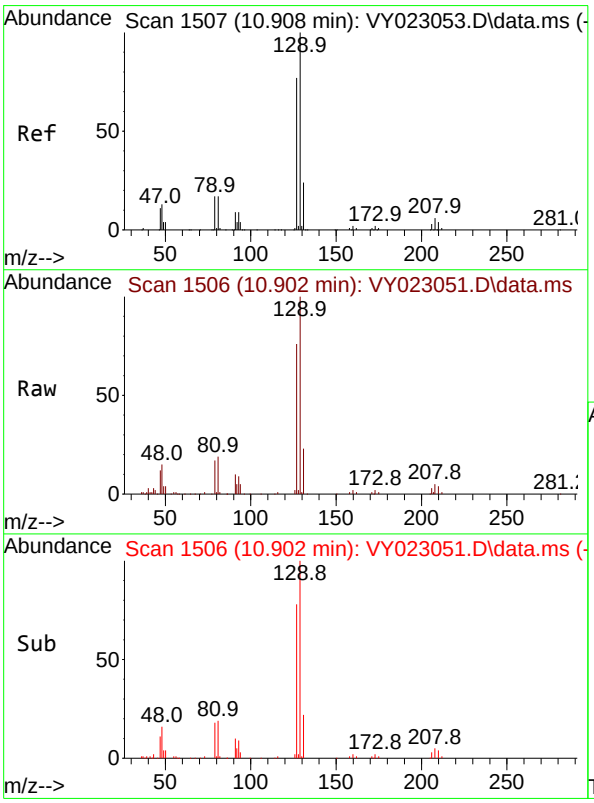
#59
2-Hexanone
Concen: 50.553 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 118452

Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.5	88.5

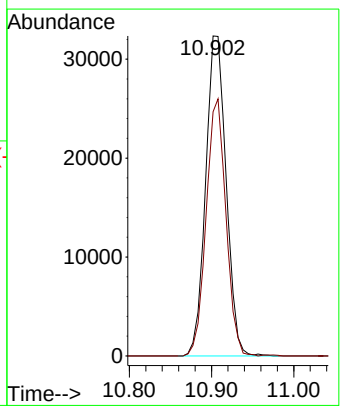


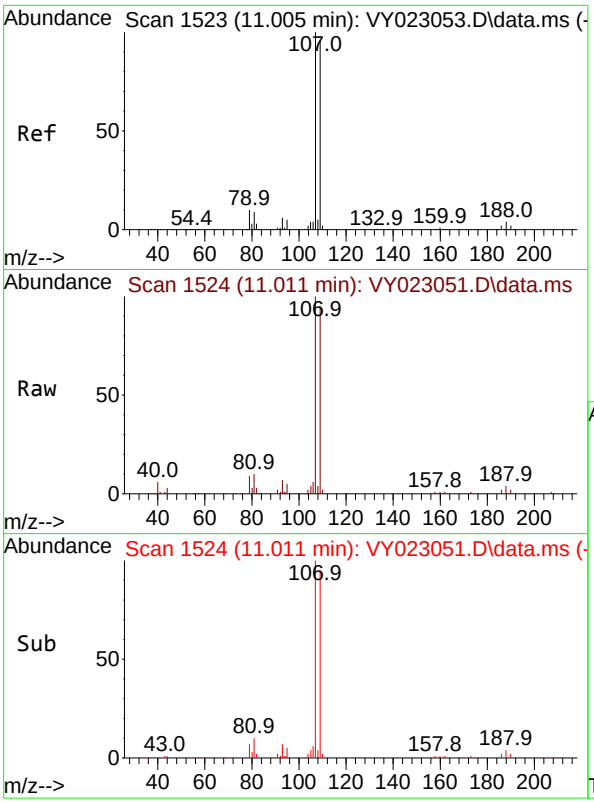


#60
Dibromochloromethane
Concen: 9.925 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:129 Resp: 56045

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



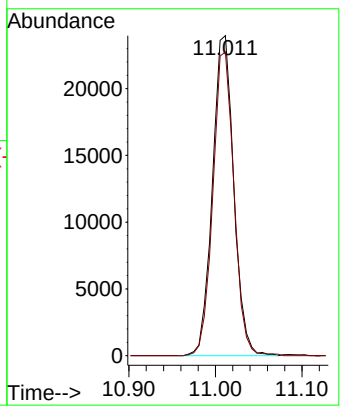


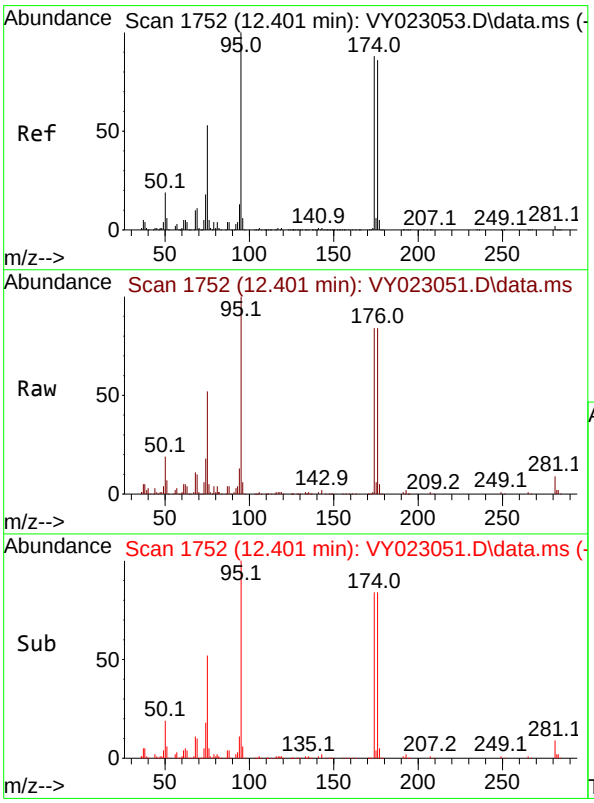
#61
1,2-Dibromoethane
Concen: 10.196 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 41009

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.6	113.4

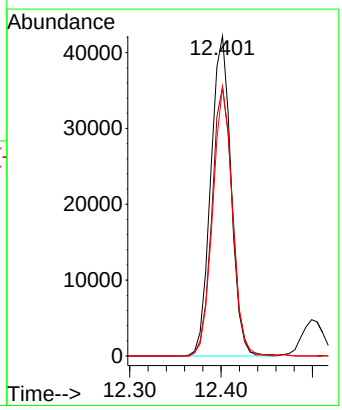


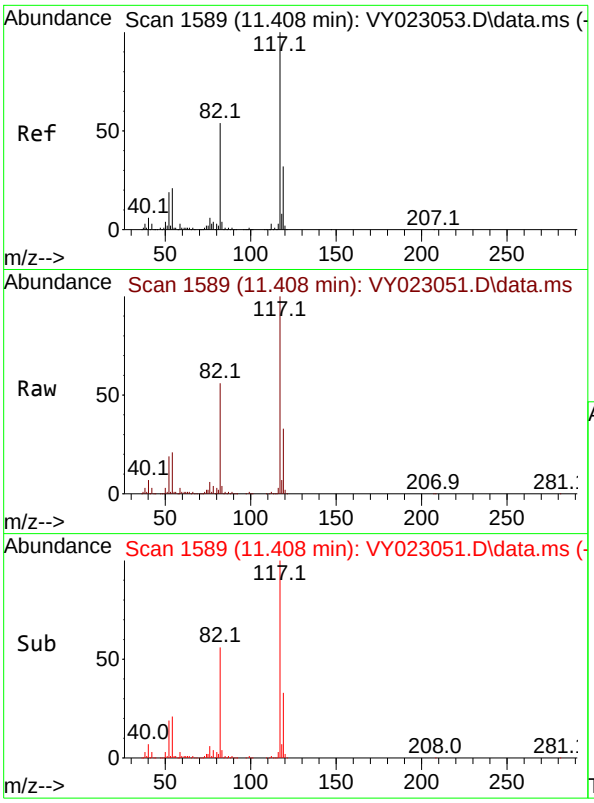


#62
4-Bromofluorobenzene
Concen: 9.775 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 95 Resp: 64927

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	171.6
176	81.7	0.0	167.6



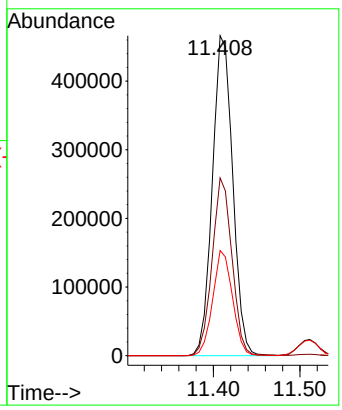


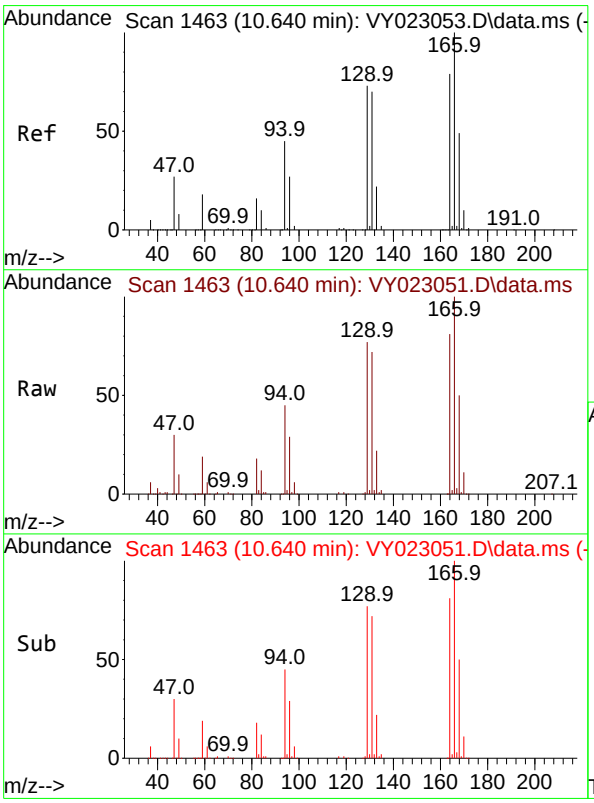
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 761327

Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.4	65.0
119	32.8	25.6	38.4

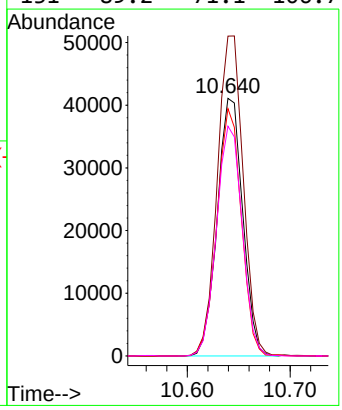


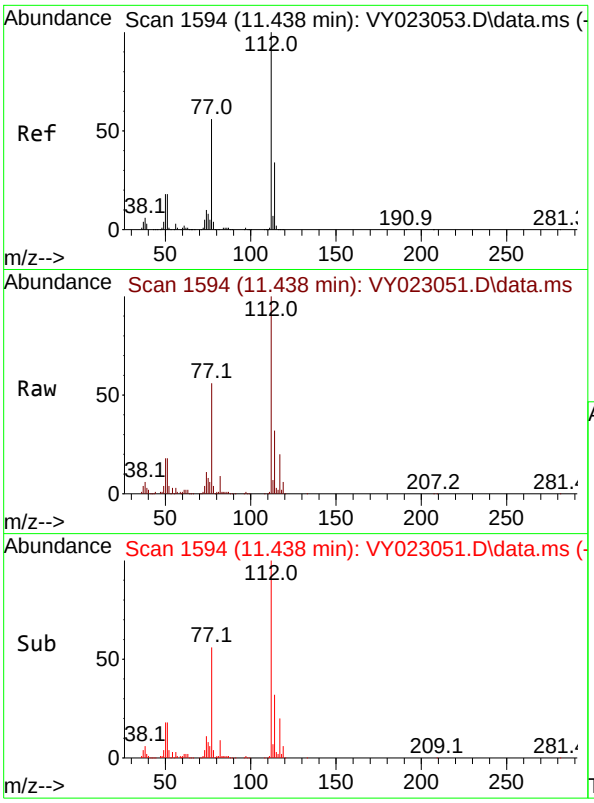


#64
Tetrachloroethene
Concen: 10.371 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:164 Resp: 70502

Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.1	151.7
129	96.0	74.0	111.0
131	89.2	71.1	106.7



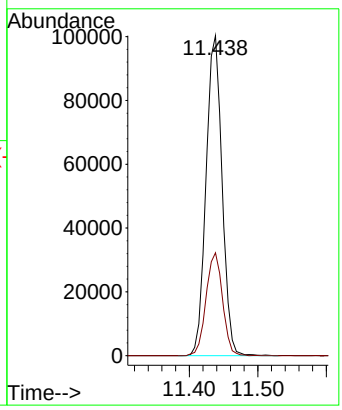


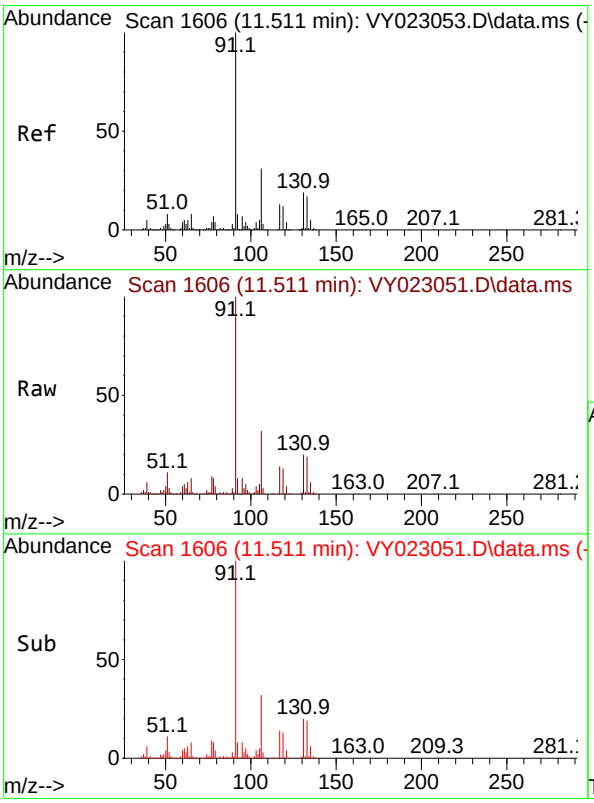
#65
Chlorobenzene
Concen: 9.925 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 162985

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4

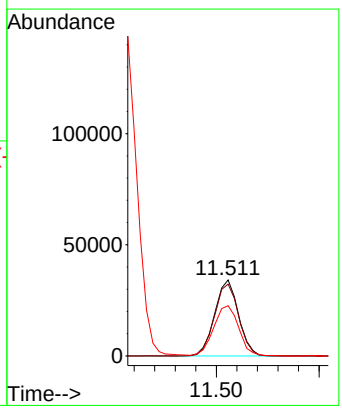


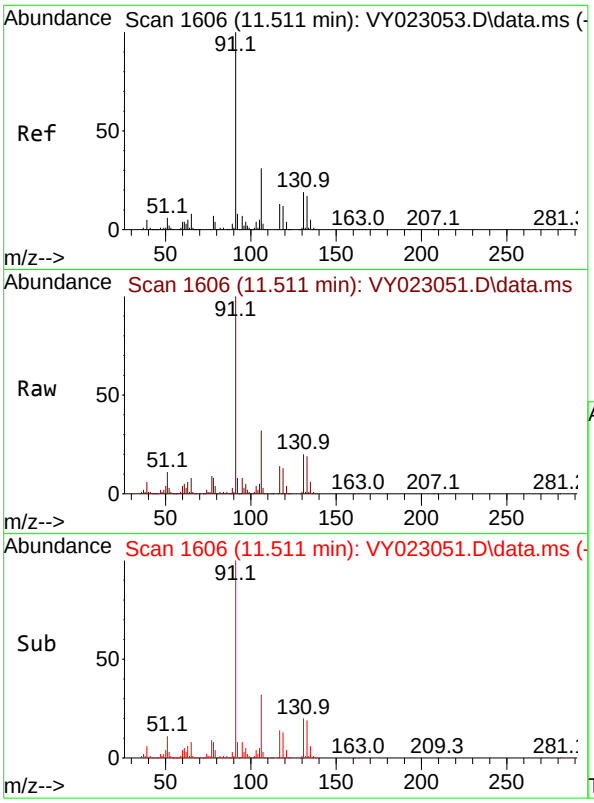


#66
1,1,1,2-Tetrachloroethane
Concen: 9.842 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:131 Resp: 54856

Ion	Ratio	Lower	Upper
131	100		
133	96.5	46.9	140.6
119	69.8	33.2	99.6



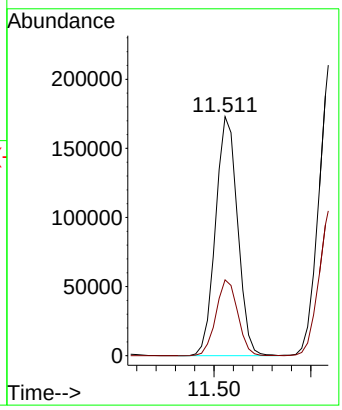


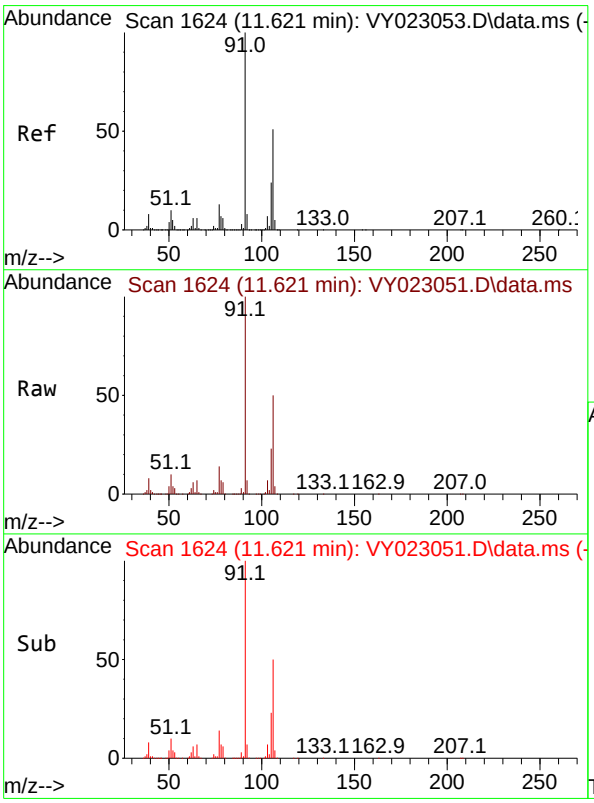
#67
Ethyl Benzene
Concen: 9.670 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 273281

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4

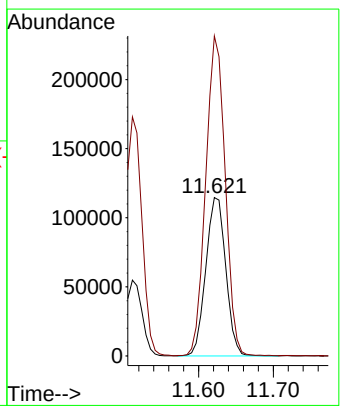


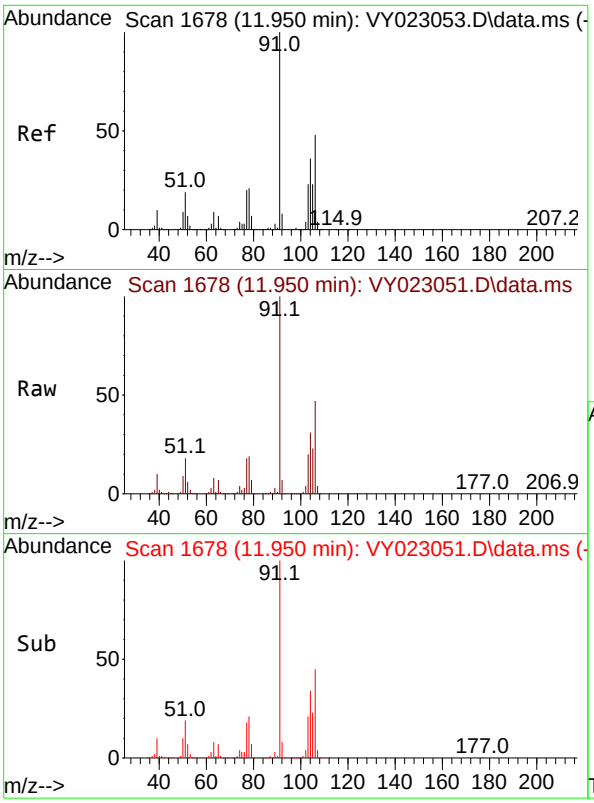


#68
m/p-Xylenes
Concen: 19.277 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:106 Resp: 212766

Ion	Ratio	Lower	Upper
106	100		
91	196.5	158.6	238.0



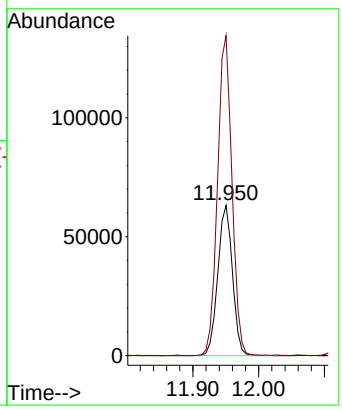


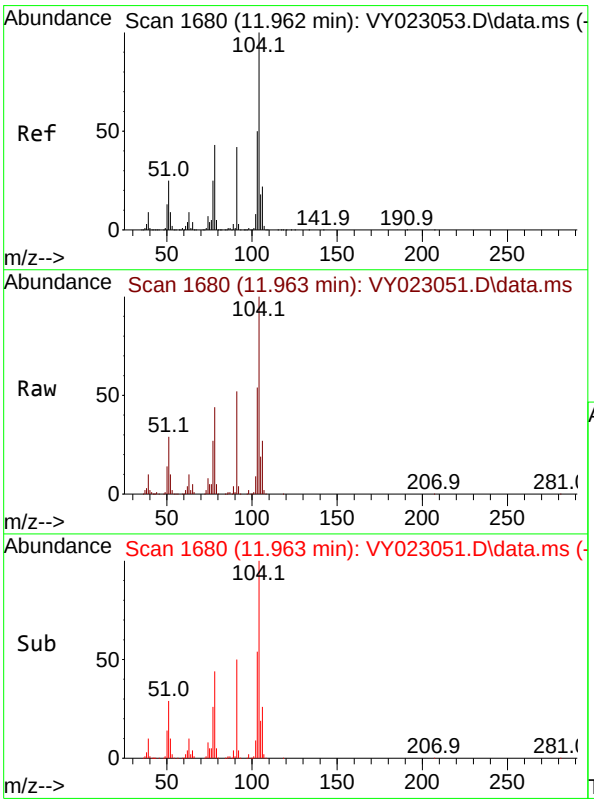
#69
o-Xylene
Concen: 9.465 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 97841

Ion	Ratio	Lower	Upper
106	100		
91	210.2	103.2	309.4

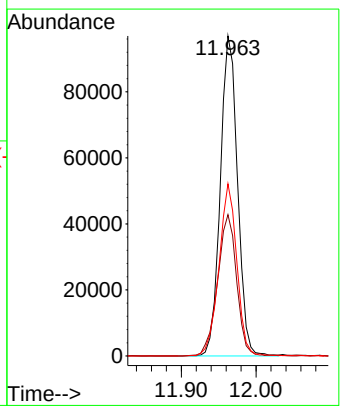


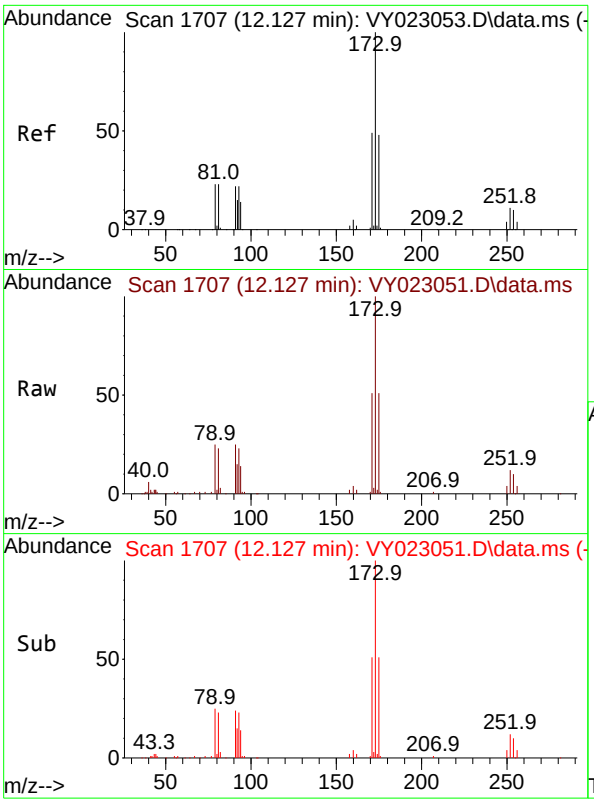


#70
Styrene
Concen: 9.216 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:104 Resp: 155809

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	55.6	43.7	65.5



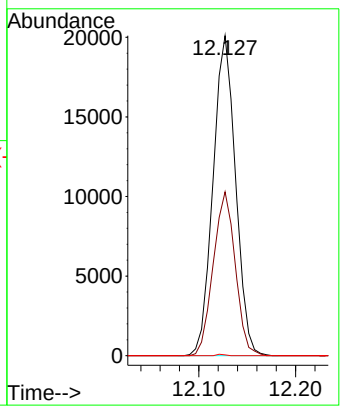


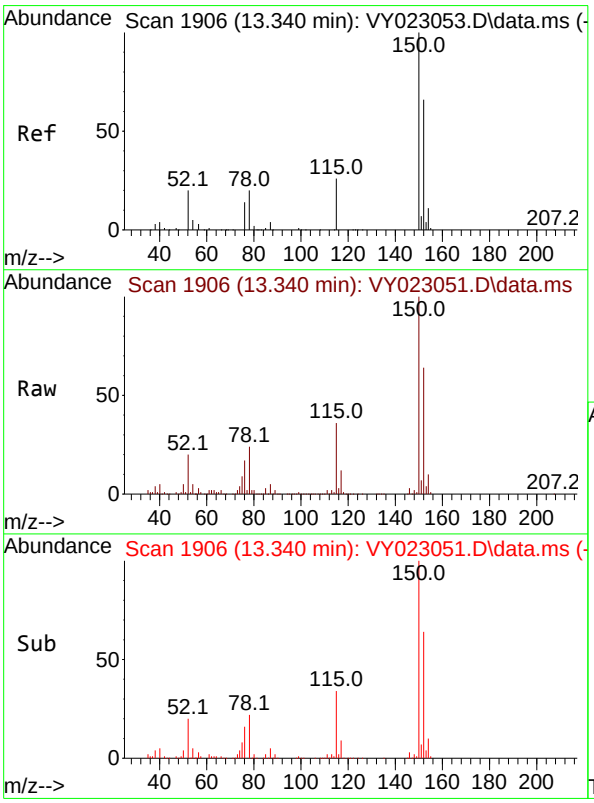
#71
Bromoform
Concen: 9.968 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 32470

Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.9	71.7
254	0.2	0.1	0.1#

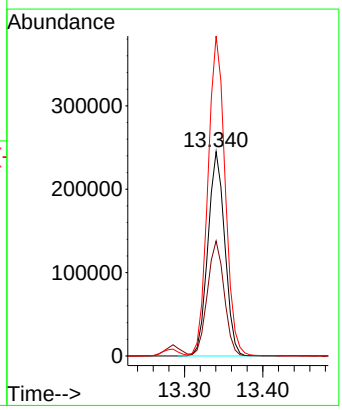


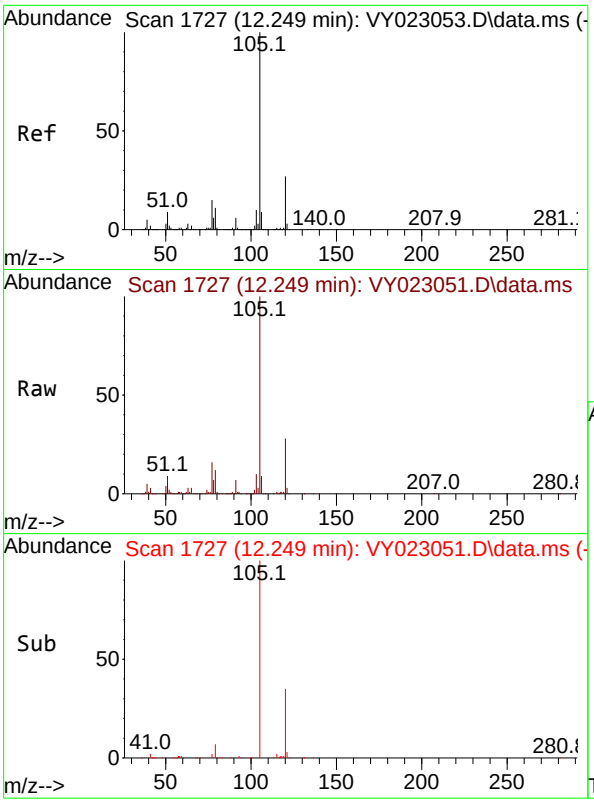


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:152 Resp: 365647

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.2	84.6
150	159.7	0.0	348.0



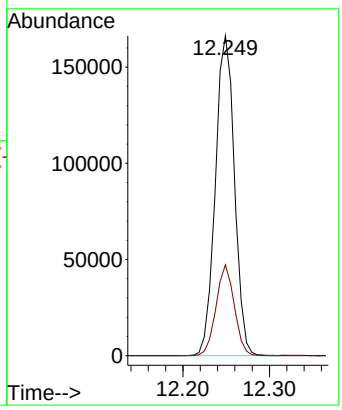


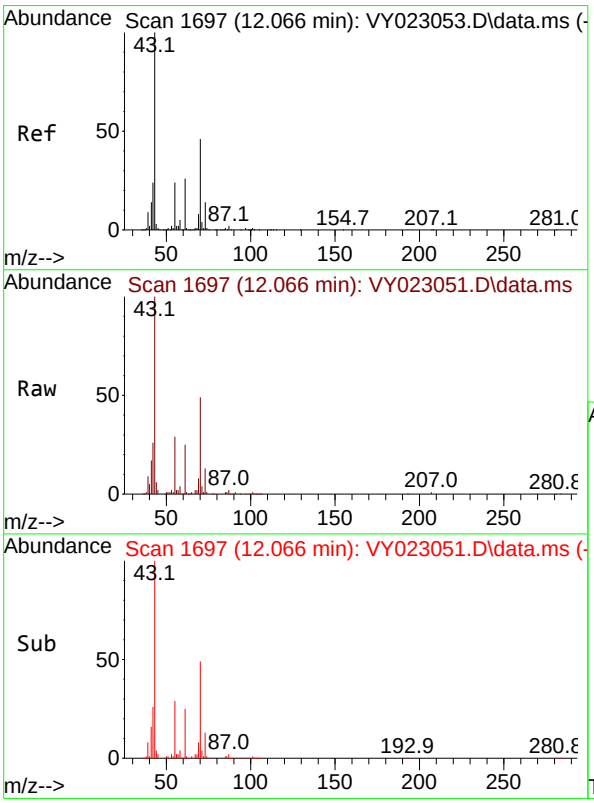
#73
Isopropylbenzene
Concen: 9.871 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 254745

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2

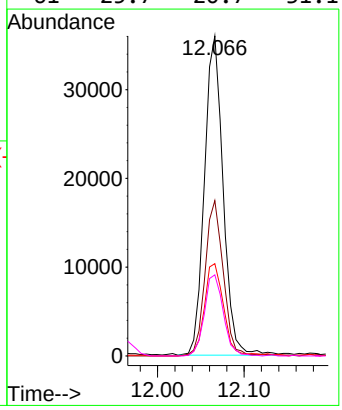


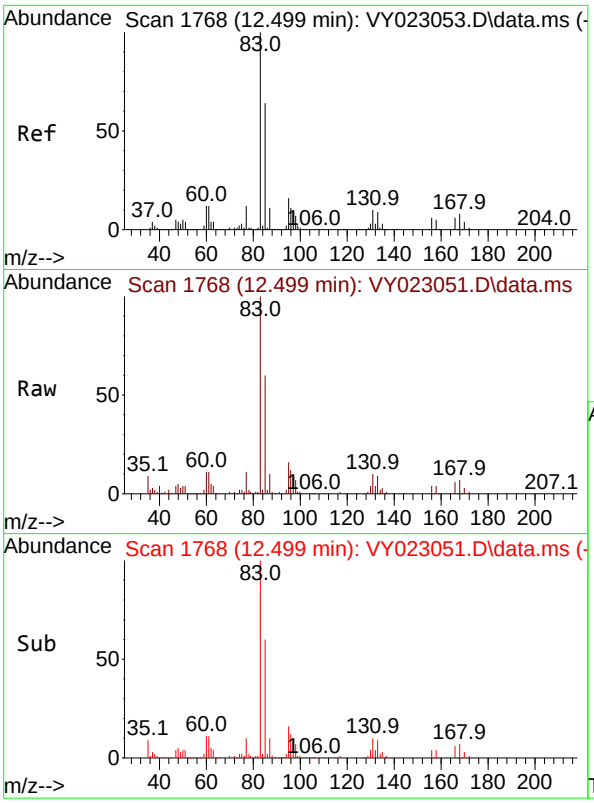


#74
N-amyl acetate
Concen: 9.857 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 53943

Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.5	56.3
55	30.2	20.7	31.1
61	25.7	20.7	31.1



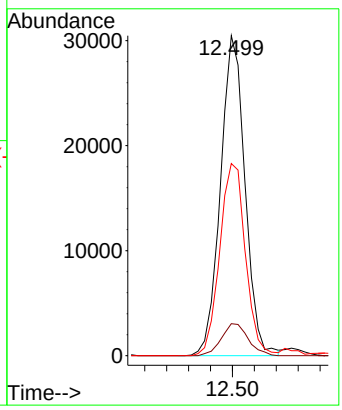


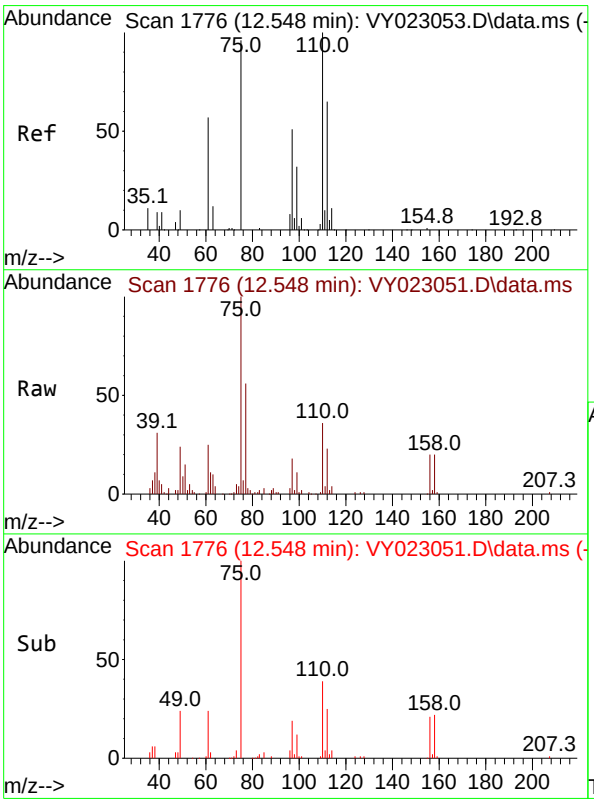
#75
1,1,2,2-Tetrachloroethane
Concen: 10.735 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 47304

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.3
85	62.9	31.8	95.3

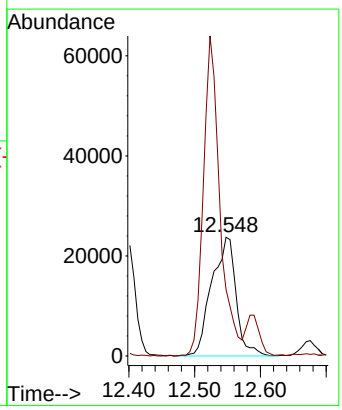


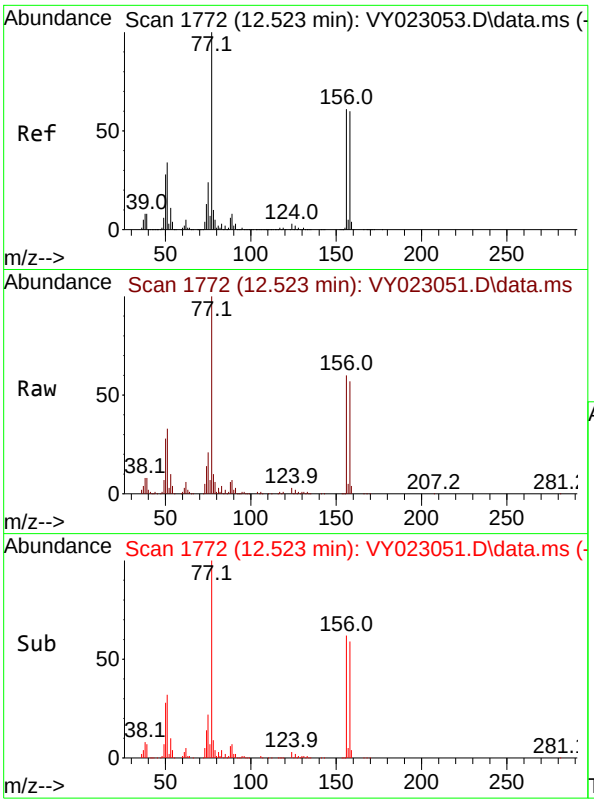


#76
1,2,3-Trichloropropane
Concen: 17.357 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 61290

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



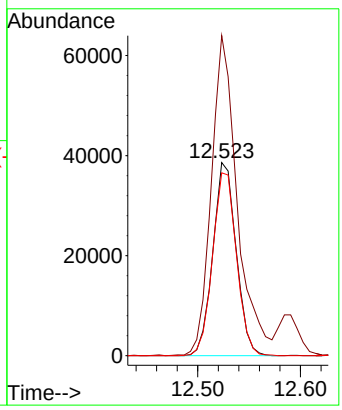


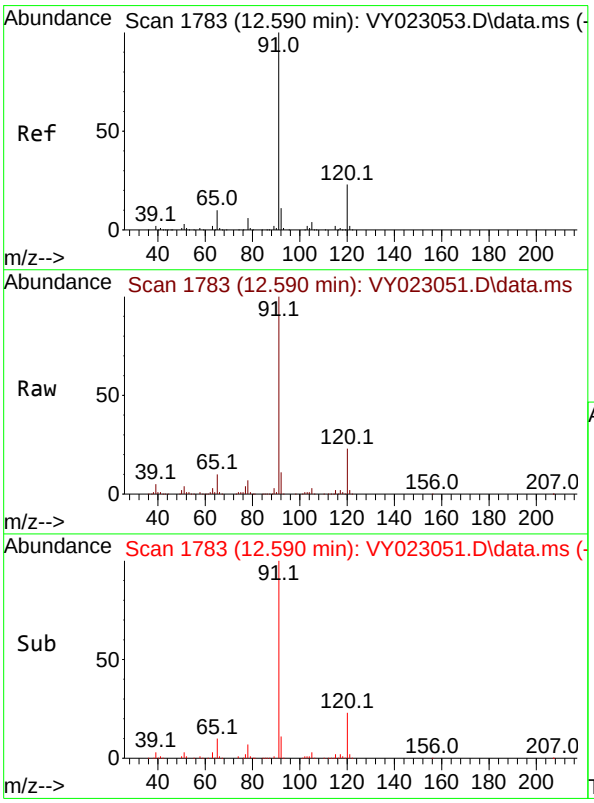
#77
Bromobenzene
Concen: 9.864 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 60728

Ion	Ratio	Lower	Upper
156	100		
77	184.8	88.1	264.4
158	97.2	48.0	144.0

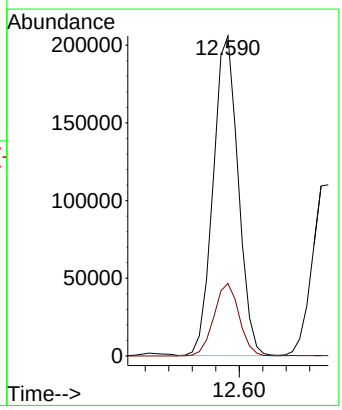


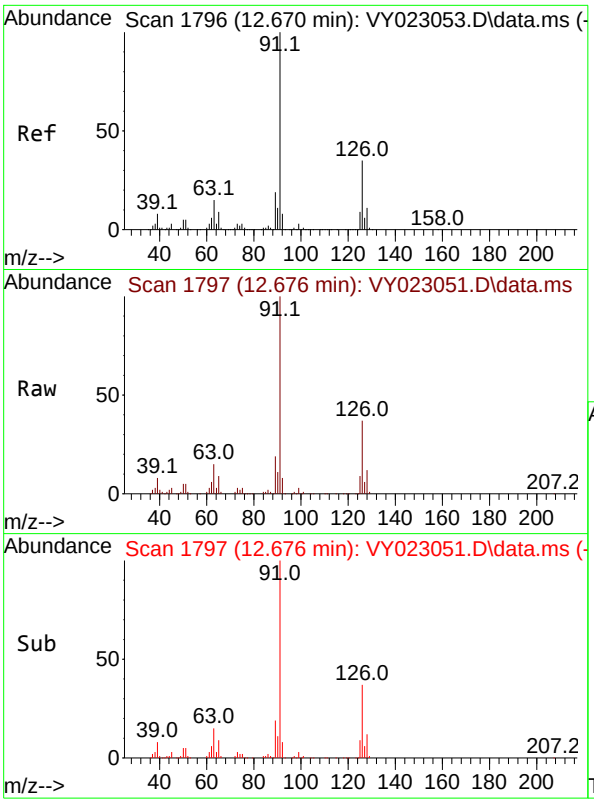


#78
n-propylbenzene
Concen: 9.876 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 303440

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



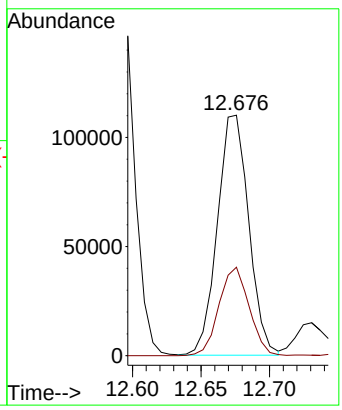


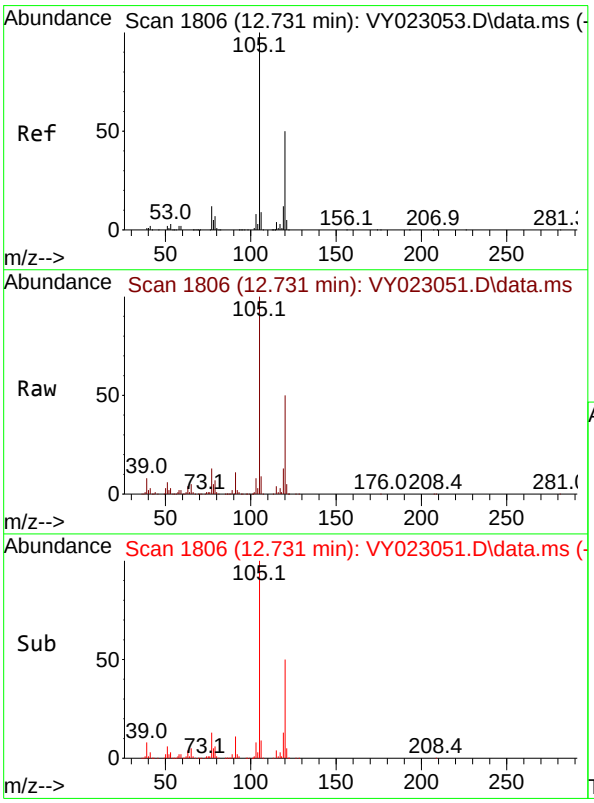
#79
2-Chlorotoluene
Concen: 9.962 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 175364

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.4	52.3

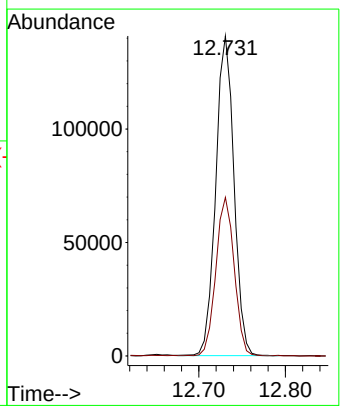


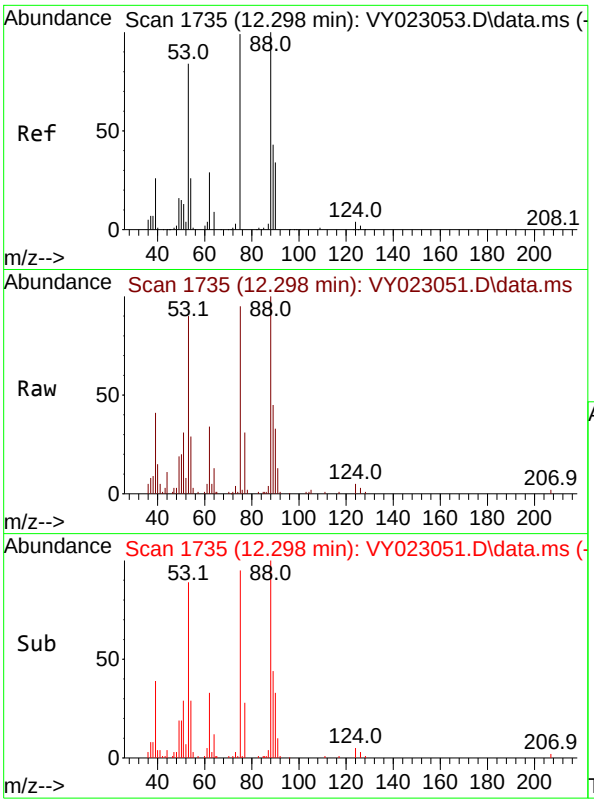


#80
1,3,5-Trimethylbenzene
Concen: 9.855 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 205544

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.8	74.4



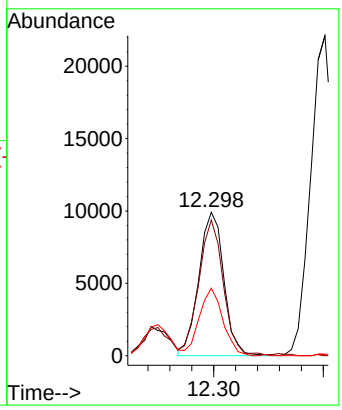


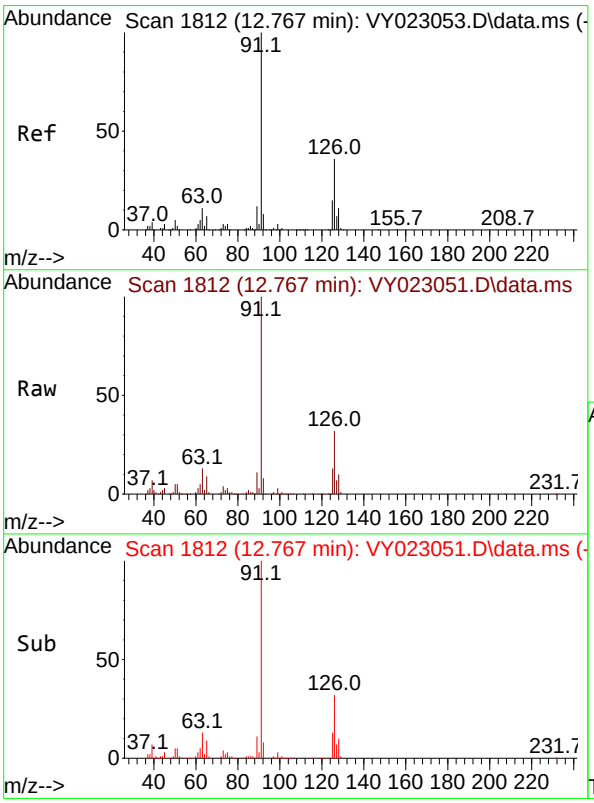
#81
trans-1,4-Dichloro-2-butene
Concen: 10.780 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 15715

Ion	Ratio	Lower	Upper
75	100		
53	91.4	70.8	106.2
89	44.0	38.1	57.1

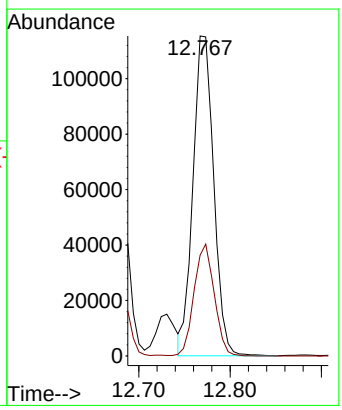


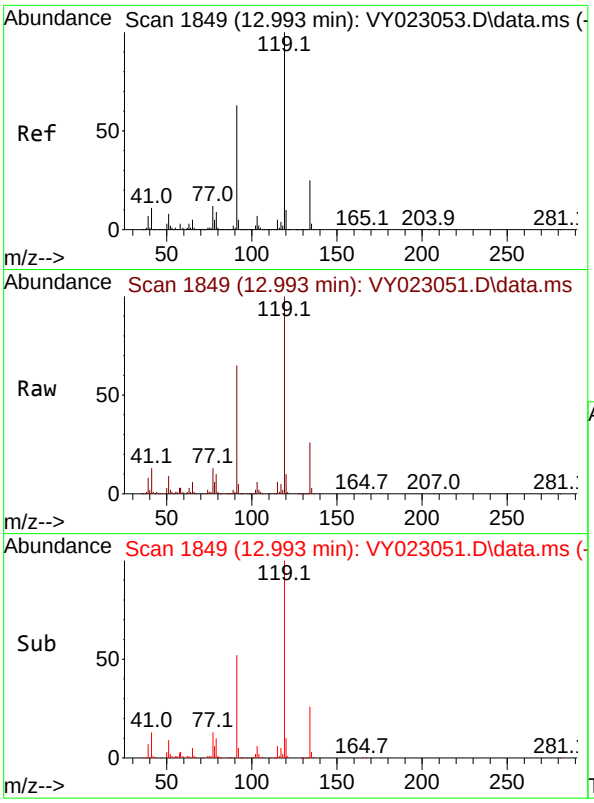


#82
4-Chlorotoluene
Concen: 9.956 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 181812

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0



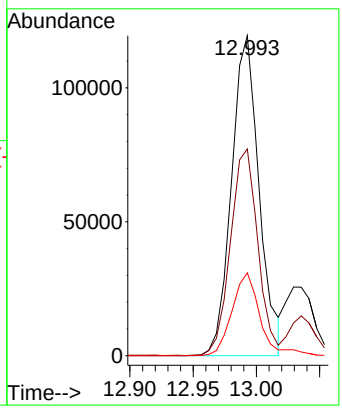


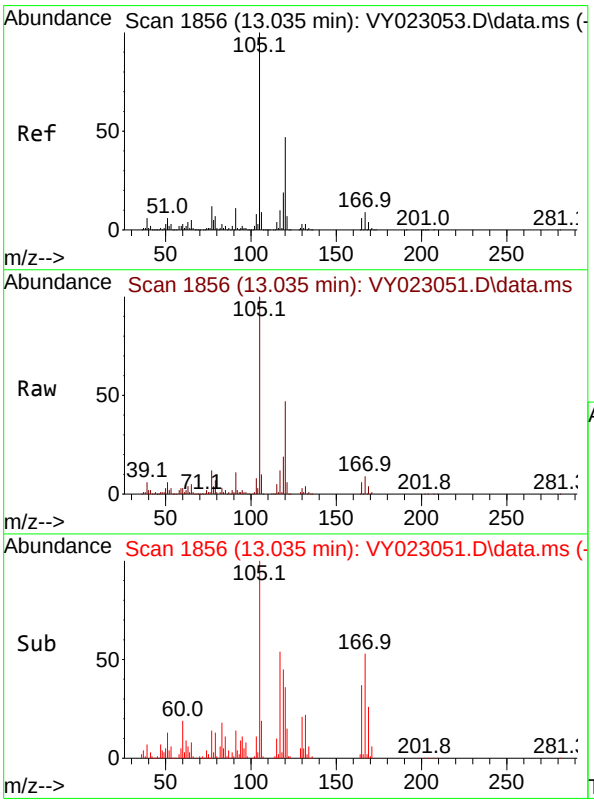
#83
tert-Butylbenzene
Concen: 9.630 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 181408

Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.6	94.8
134	26.4	12.9	38.7

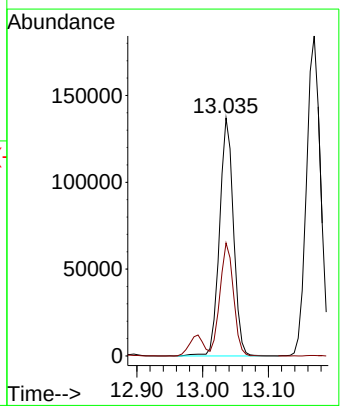


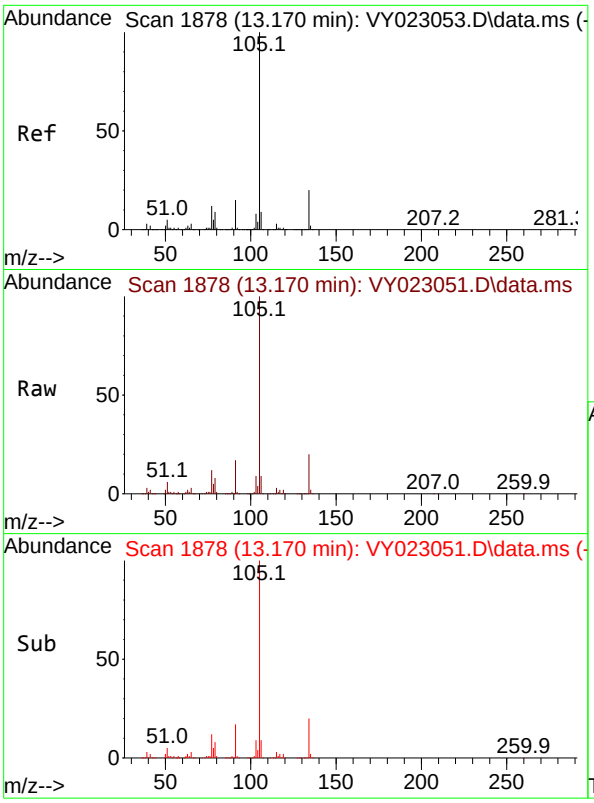


#84
1,2,4-Trimethylbenzene
Concen: 9.720 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 201812

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0



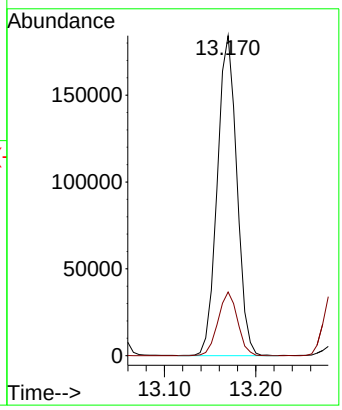


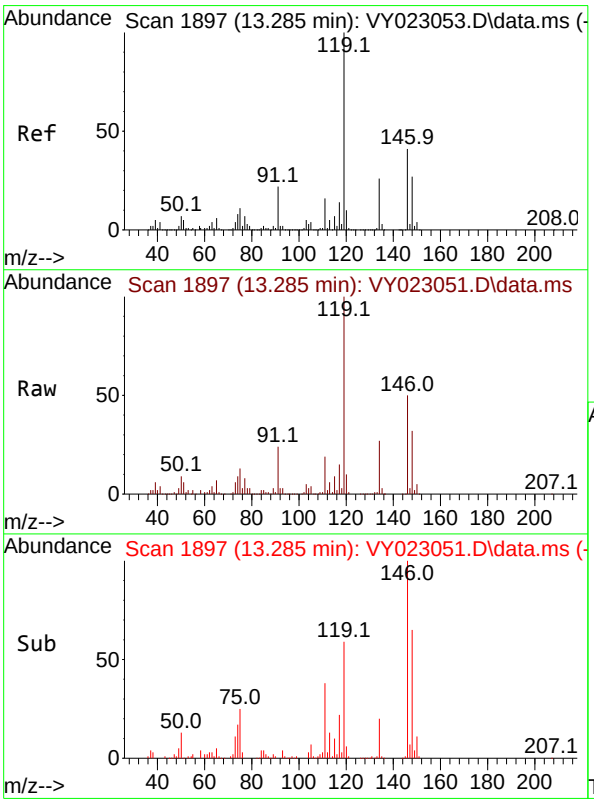
#85
sec-Butylbenzene
Concen: 9.908 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 274178

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

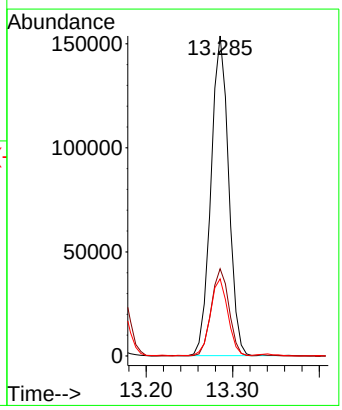


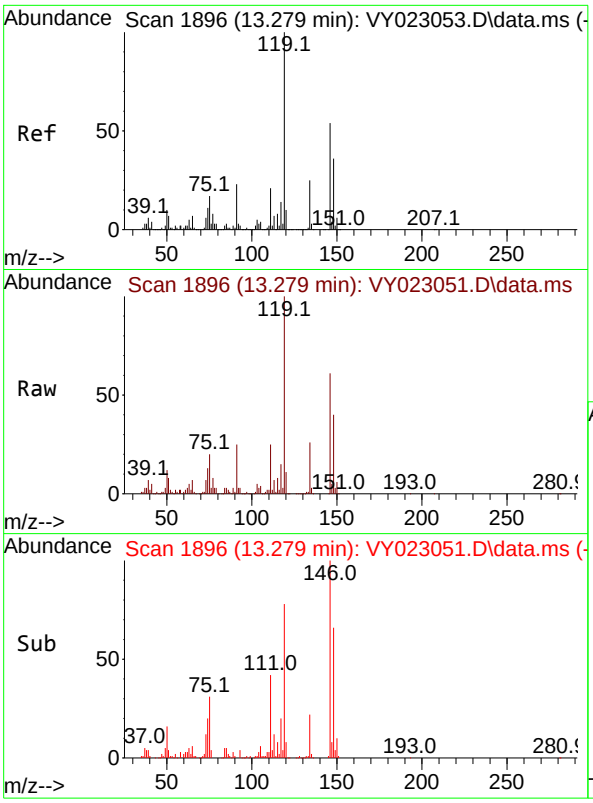


#86
p-Isopropyltoluene
Concen: 9.482 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:119 Resp: 217799

Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.2	39.6
91	23.9	11.3	33.8



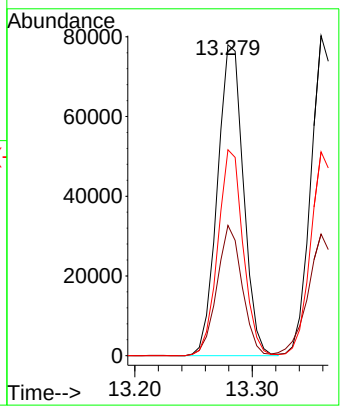


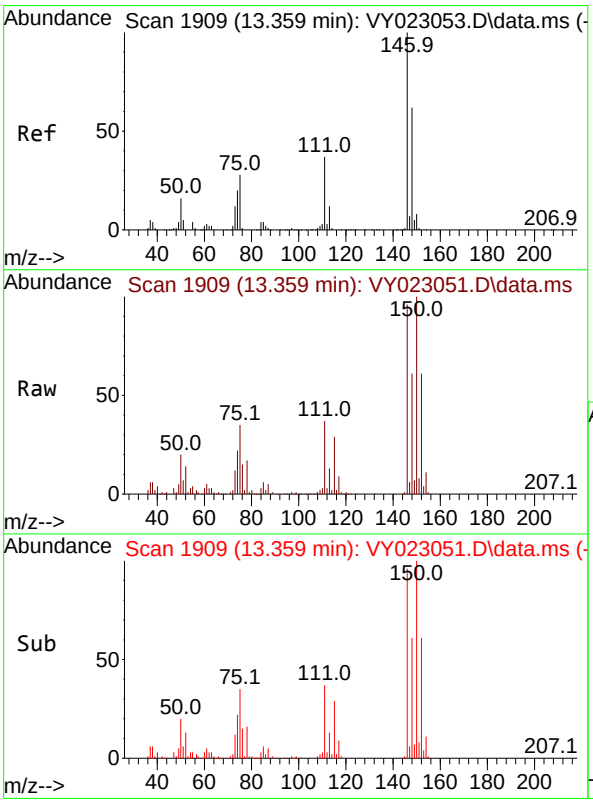
#87
1,3-Dichlorobenzene
Concen: 9.893 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 120109

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	64.3	32.5	97.5

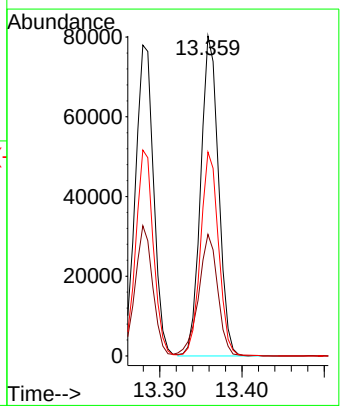


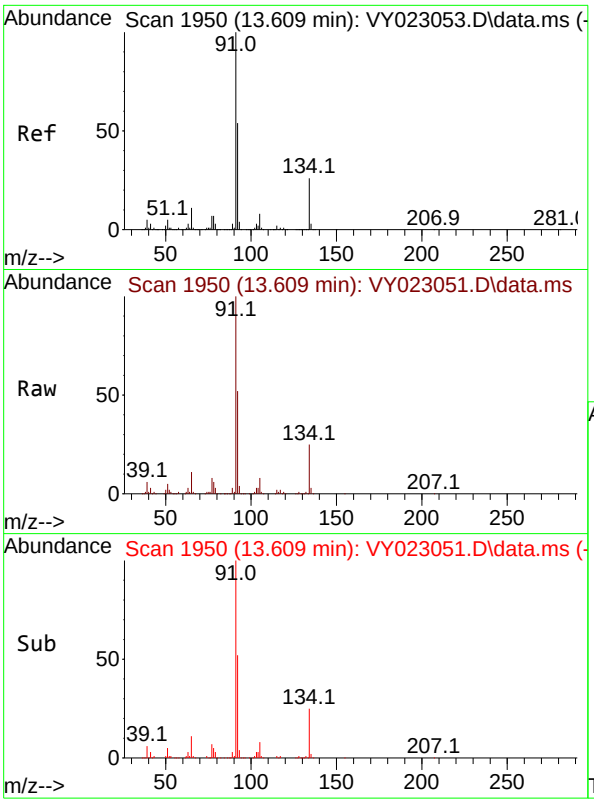


#88
1,4-Dichlorobenzene
Concen: 10.060 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:146 Resp: 121160

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.1	57.1
148	64.3	31.6	94.7



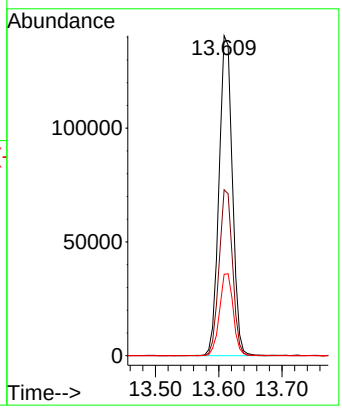


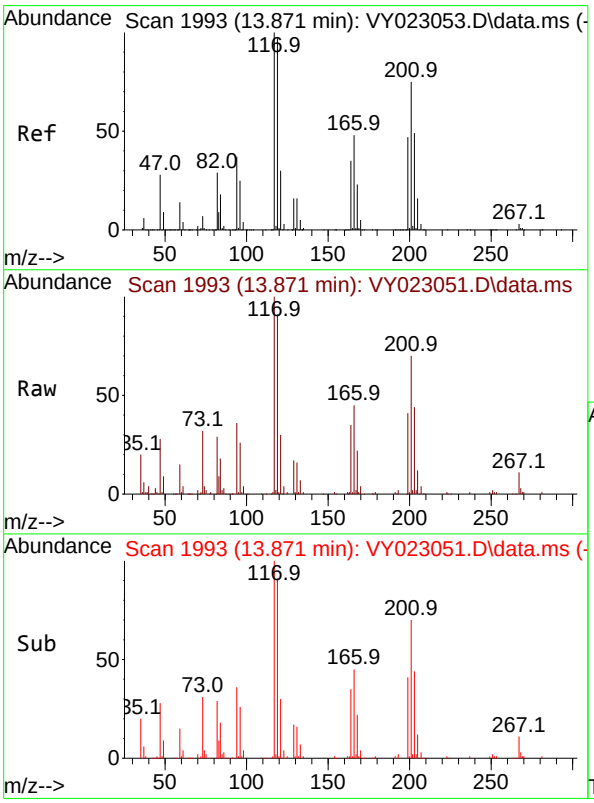
#89
n-Butylbenzene
Concen: 9.737 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 205420

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.7
134	26.1	13.2	39.5

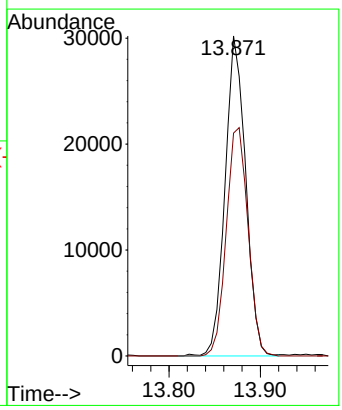


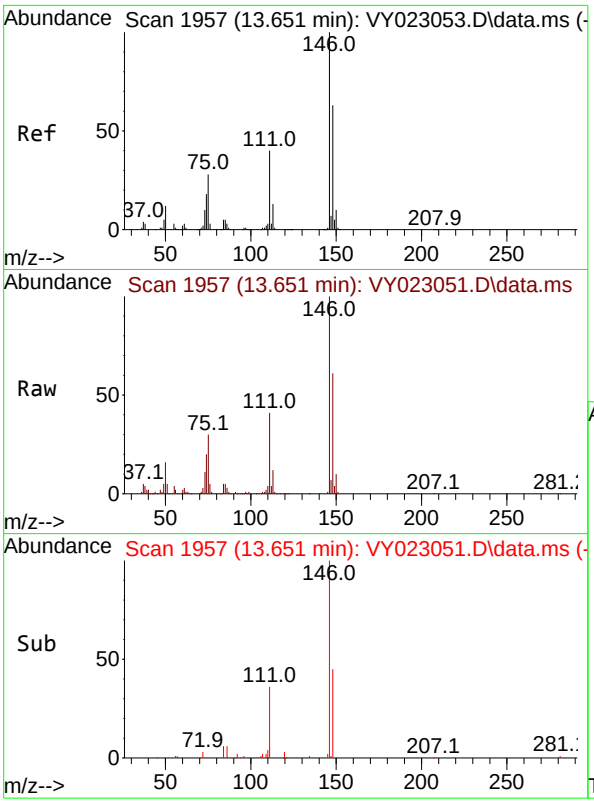


#90
Hexachloroethane
Concen: 10.071 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:117 Resp: 47353

Ion	Ratio	Lower	Upper
117	100		
201	75.3	38.4	115.1



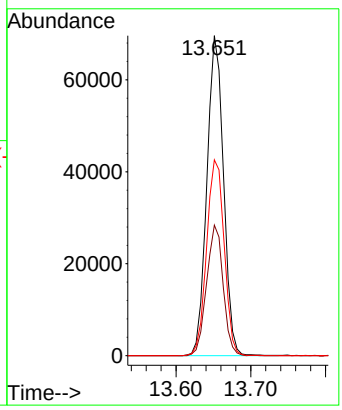


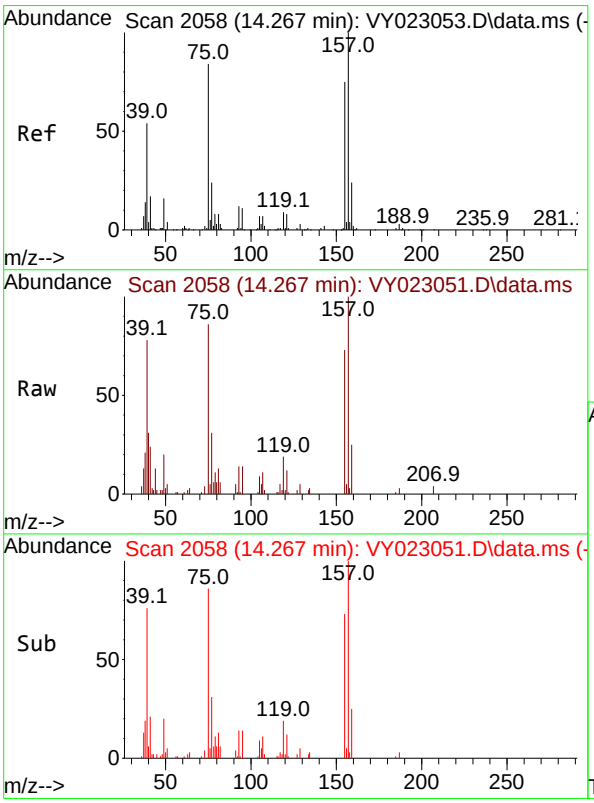
#91
1,2-Dichlorobenzene
Concen: 10.110 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 107656

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.5	32.2	96.6

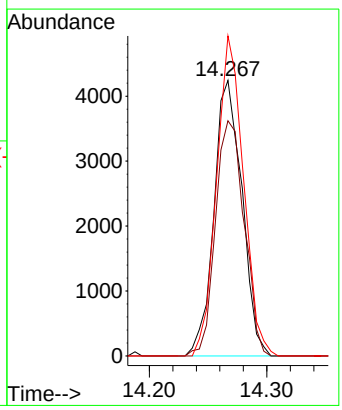


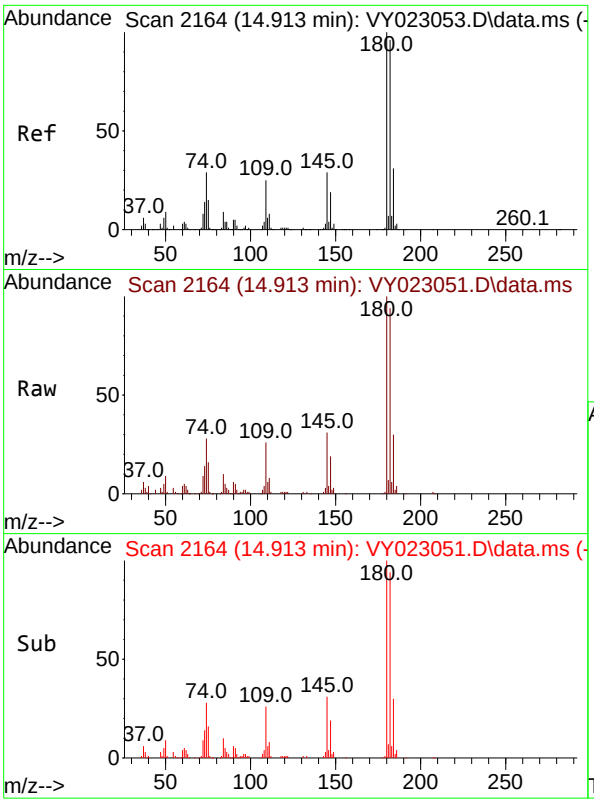


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.250 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 7032

Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.9	131.6
157	111.5	57.2	171.6



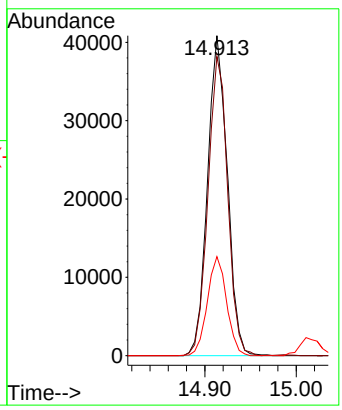


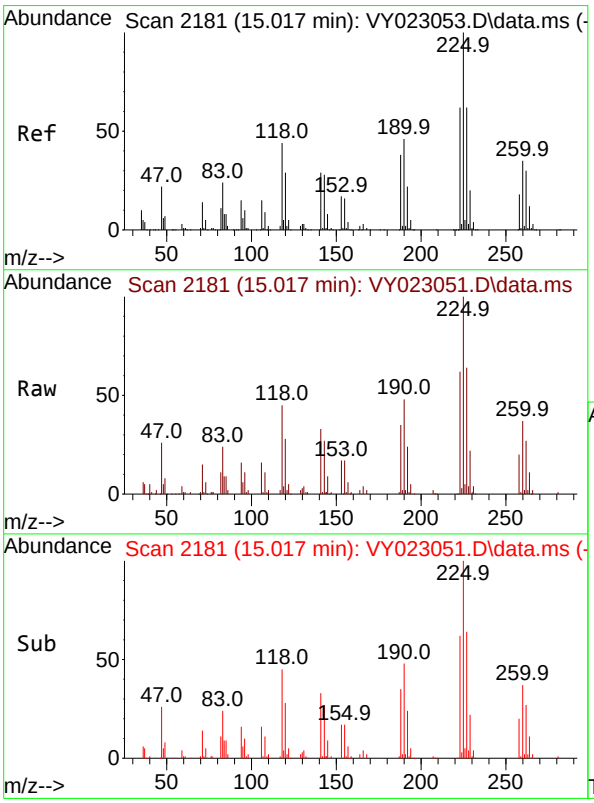
#93
1,2,4-Trichlorobenzene
Concen: 9.739 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 61323

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.8	140.4
145	30.2	14.4	43.4

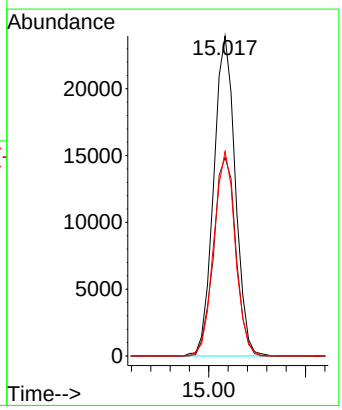


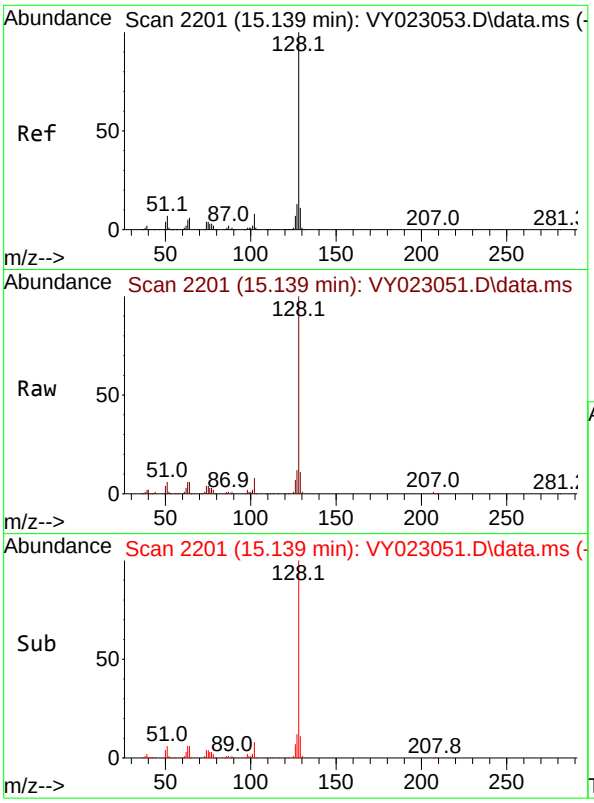


#94
Hexachlorobutadiene
Concen: 10.003 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:225 Resp: 37011

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.8
227	63.5	31.5	94.5



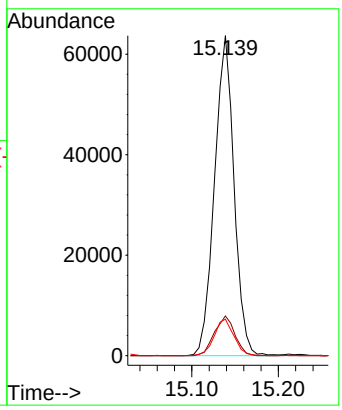


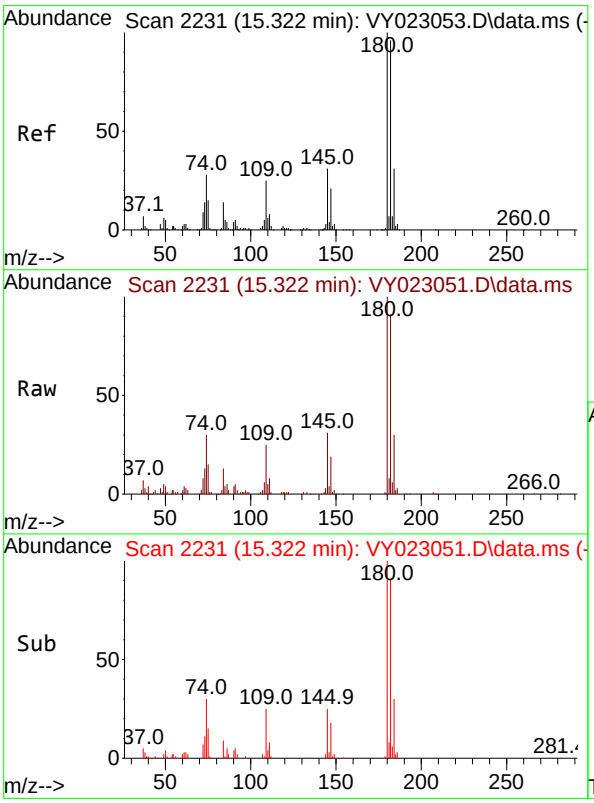
#95
Naphthalene
Concen: 9.293 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 99780

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.6	9.0	13.4

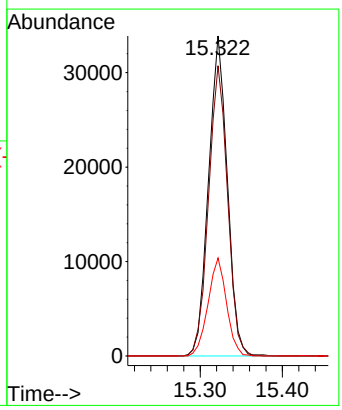




#96
1,2,3-Trichlorobenzene
Concen: 9.883 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:180 Resp: 53626

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.9	143.7
145	30.2	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	537748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	848953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	745484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103755	20.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.480%#		
35) Dibromofluoromethane	7.628	113	102068	20.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.180%#		
50) Toluene-d8	10.103	98	398394	20.075	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.160%#		
62) 4-Bromofluorobenzene	12.402	95	124467	19.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	98926	22.537	ug/l	98
3) Chloromethane	2.068	50	158310	22.268	ug/l	99
4) Vinyl Chloride	2.202	62	188307	21.427	ug/l	99
5) Bromomethane	2.586	94	140517	21.410	ug/l	99
6) Chloroethane	2.726	64	122310	20.934	ug/l	99
7) Trichlorofluoromethane	3.050	101	225373	21.090	ug/l	99
8) Diethyl Ether	3.452	74	58245	20.602	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	112116	21.267	ug/l	99
10) Methyl Iodide	3.994	142	115879	20.370	ug/l	99
11) Tert butyl alcohol	4.860	59	35192	100.214	ug/l	98
12) 1,1-Dichloroethene	3.781	96	107992	20.840	ug/l	99
13) Acrolein	3.653	56	54065	105.126	ug/l	100
14) Allyl chloride	4.379	41	155709	20.421	ug/l	97
15) Acrylonitrile	5.055	53	120151	104.535	ug/l	97
16) Acetone	3.866	43	113468	102.193	ug/l	96
17) Carbon Disulfide	4.098	76	357484	21.157	ug/l	98
18) Methyl Acetate	4.379	43	69853	21.141	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	278863	20.767	ug/l	99
20) Methylene Chloride	4.610	84	130416	21.069	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	120321	20.661	ug/l	96
22) Diisopropyl ether	6.012	45	346195	20.894	ug/l	95
23) Vinyl Acetate	5.951	43	941364	102.748	ug/l	97
24) 1,1-Dichloroethane	5.909	63	211558	20.884	ug/l	98
25) 2-Butanone	6.890	43	153363	101.559	ug/l	100
26) 2,2-Dichloropropane	6.878	77	181528	20.767	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138775	20.613	ug/l	99
28) Bromochloromethane	7.244	49	84540	21.035	ug/l	99
29) Tetrahydrofuran	7.262	42	95795	102.341	ug/l	99
30) Chloroform	7.415	83	215585	20.635	ug/l	98
31) Cyclohexane	7.701	56	194671	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	193268	20.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156617	20.746	ug/l	98
37) Ethyl Acetate	6.982	43	66420	20.944	ug/l	100
38) Carbon Tetrachloride	7.817	117	171344	20.897	ug/l	98
39) Methylcyclohexane	9.103	83	205594	20.680	ug/l	98
40) Benzene	8.079	78	485631	20.871	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.256	41	93052	50.787	ug/l	#	32
42) 1,2-Dichloroethane	8.152	62	126111	20.839	ug/l		100
43) Isopropyl Acetate	8.195	43	131854	20.571	ug/l		98
44) Trichloroethene	8.859	130	126772	21.083	ug/l		98
45) 1,2-Dichloropropane	9.134	63	110699	20.677	ug/l		99
46) Dibromomethane	9.225	93	63410	20.635	ug/l		98
47) Bromodichloromethane	9.420	83	165954	20.988	ug/l		96
48) Methyl methacrylate	9.219	41	64120	20.905	ug/l		98
49) 1,4-Dioxane	9.225	88	14826	411.480	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	339298	102.622	ug/l		100
52) Toluene	10.164	92	306193	20.719	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	147696	20.627	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	174243	20.580	ug/l		96
55) 1,1,2-Trichloroethane	10.566	97	86022	20.920	ug/l		99
56) Ethyl methacrylate	10.432	69	105816	20.111	ug/l		99
57) 1,3-Dichloropropane	10.713	76	145621	20.882	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	244340	98.450	ug/l		99
59) 2-Hexanone	10.755	43	231872	102.992	ug/l		99
60) Dibromochloromethane	10.908	129	110810	20.424	ug/l		99
61) 1,2-Dibromoethane	11.012	107	80549	20.842	ug/l		97
64) Tetrachloroethene	10.640	164	141609	21.273	ug/l		99
65) Chlorobenzene	11.438	112	332700	20.690	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	112677	20.647	ug/l		99
67) Ethyl Benzene	11.511	91	564855	20.412	ug/l		99
68) m/p-Xylenes	11.621	106	444361	41.115	ug/l		98
69) o-Xylene	11.950	106	207639	20.513	ug/l		99
70) Styrene	11.963	104	339891	20.532	ug/l		99
71) Bromoform	12.127	173	64275	20.151	ug/l	#	98
73) Isopropylbenzene	12.249	105	534421	20.413	ug/l		100
74) N-amyl acetate	12.066	43	112297	20.227	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	89782	20.085	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	122494	34.195	ug/l	#	100
77) Bromobenzene	12.523	156	128501	20.574	ug/l		99
78) n-propylbenzene	12.590	91	640528	20.550	ug/l		99
79) 2-Chlorotoluene	12.670	91	365577	20.471	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	435074	20.563	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	30153	20.389	ug/l		97
82) 4-Chlorotoluene	12.773	91	385755	20.822	ug/l		99
83) tert-Butylbenzene	12.993	119	389621	20.389	ug/l		100
84) 1,2,4-Trimethylbenzene	13.036	105	438392	20.814	ug/l		98
85) sec-Butylbenzene	13.170	105	575804	20.512	ug/l		100
86) p-Isopropyltoluene	13.285	119	480937	20.640	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	252452	20.497	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	249280	20.403	ug/l		99
89) n-Butylbenzene	13.609	91	440963	20.605	ug/l		99
90) Hexachloroethane	13.871	117	96478	20.226	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	222000	20.552	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13973	20.076	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	130718	20.464	ug/l		98
94) Hexachlorobutadiene	15.017	225	77511	20.650	ug/l		99
95) Naphthalene	15.139	128	216923	19.915	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	111506	20.258	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

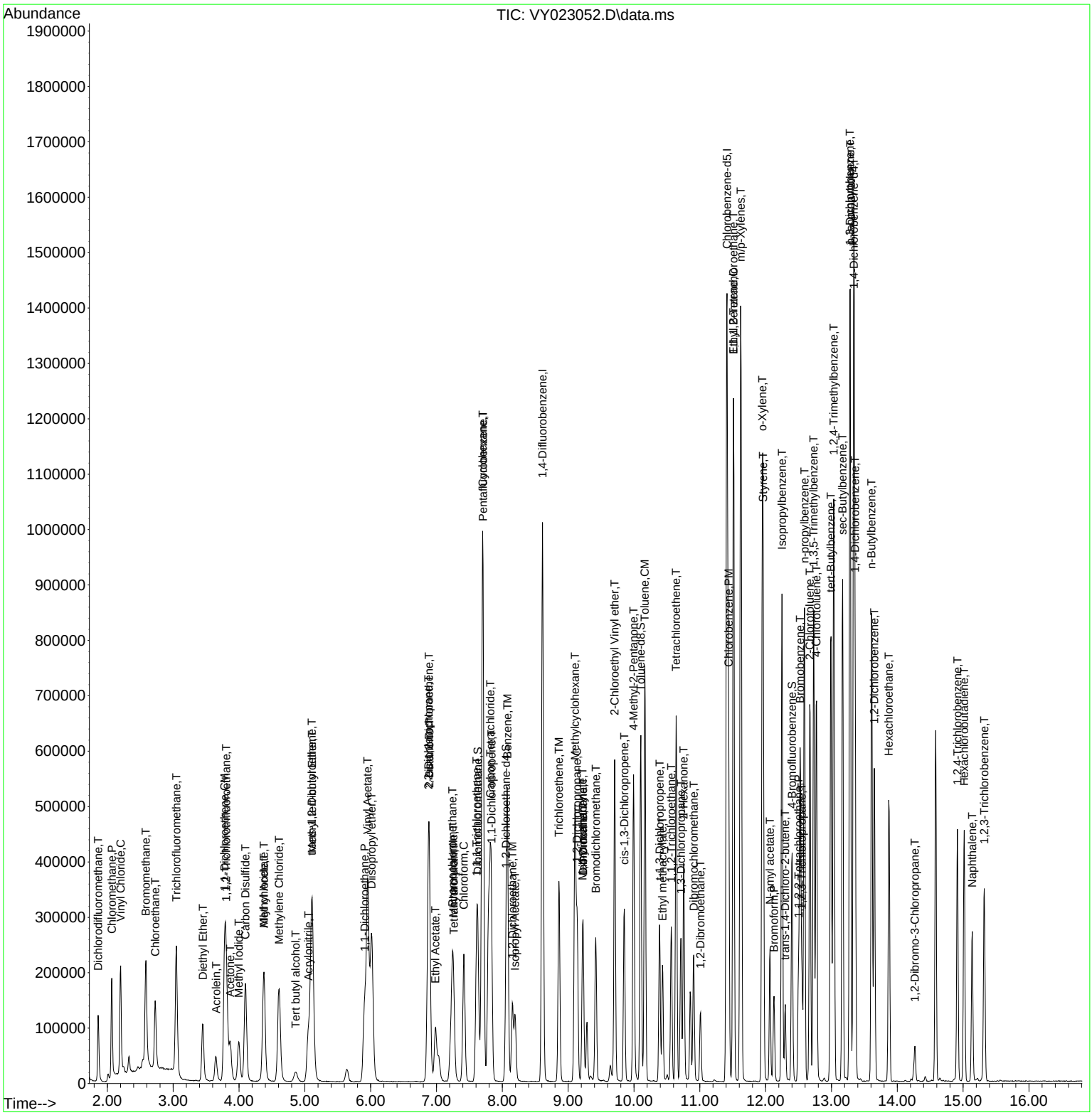
(#) = qualifier out of range (m) = manual integration (+) = signals summed

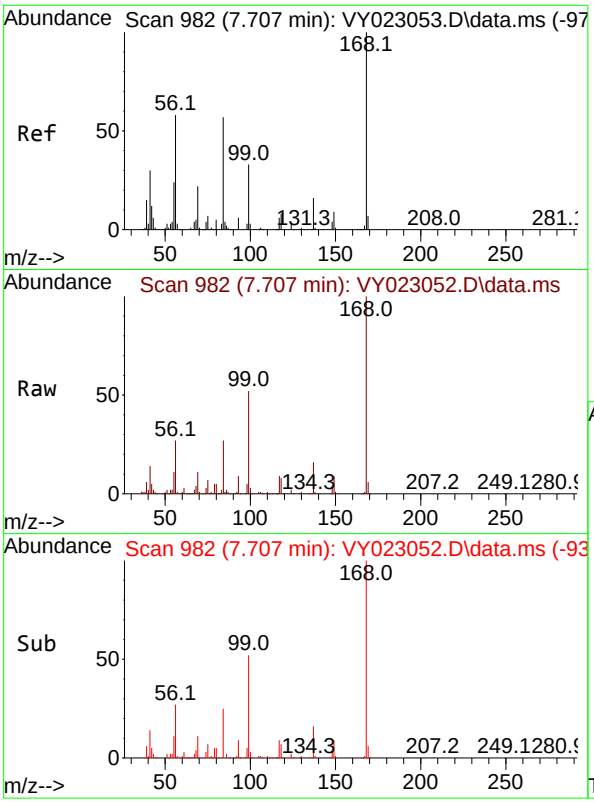
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration



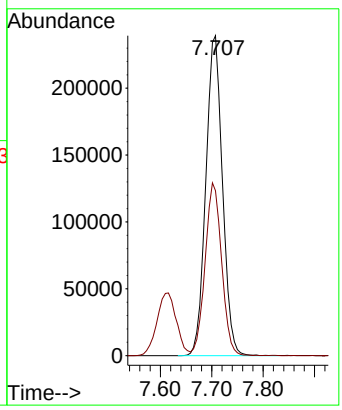


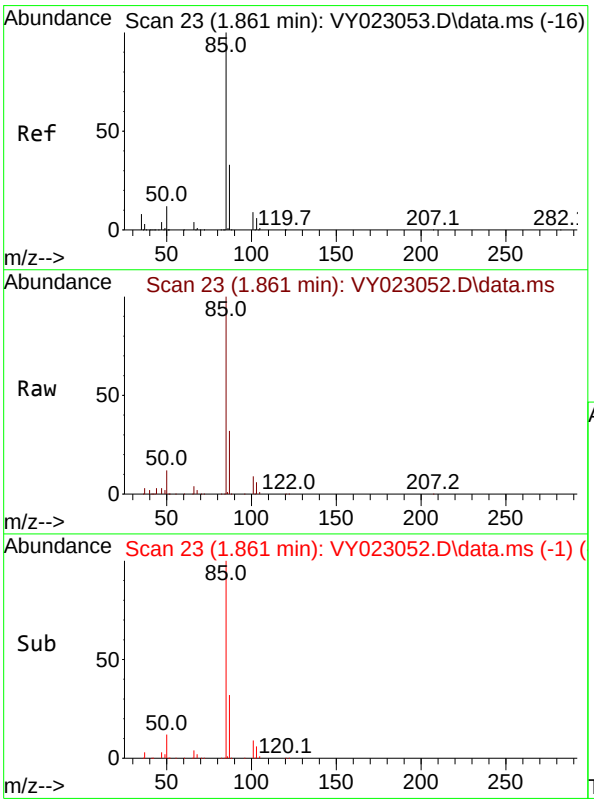
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 537748

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.8	64.2

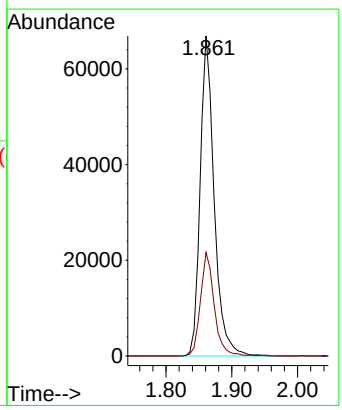


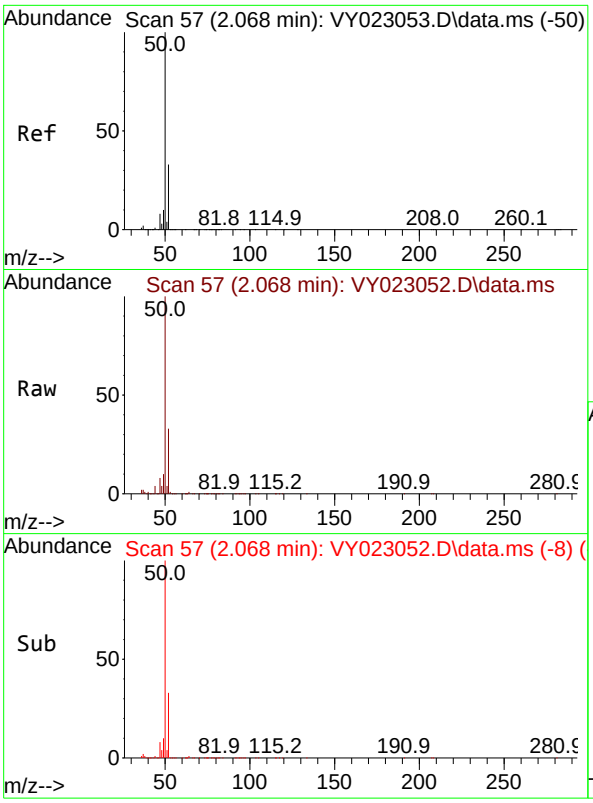


#2
Dichlorodifluoromethane
Concen: 22.537 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 85 Resp: 98926

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8



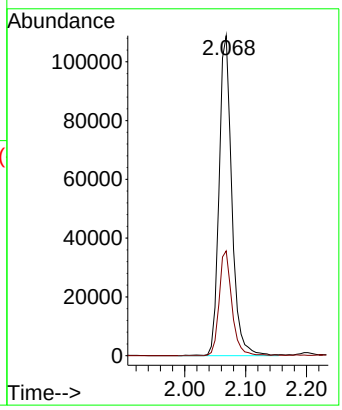


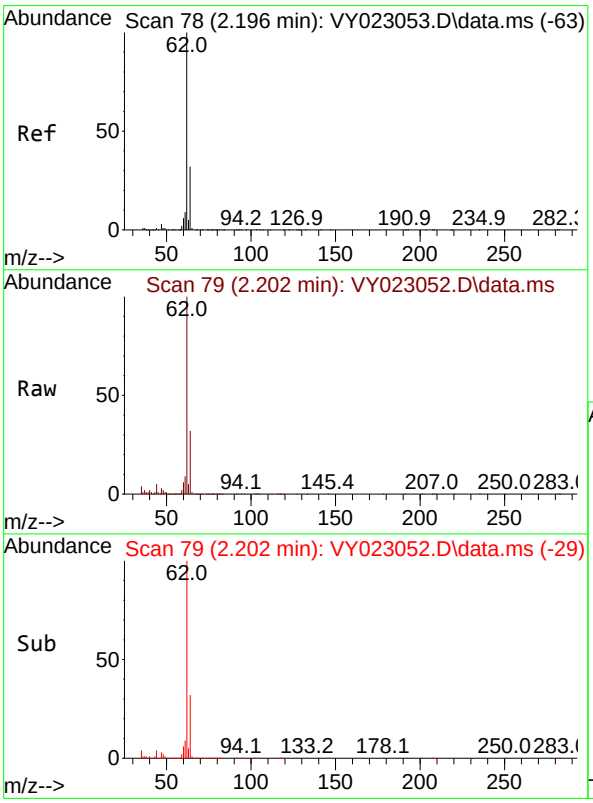
#3
Chloromethane
Concen: 22.268 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 158310

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.7	40.1

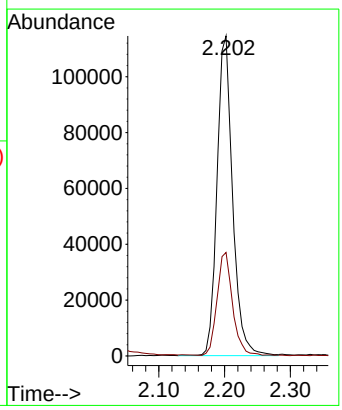


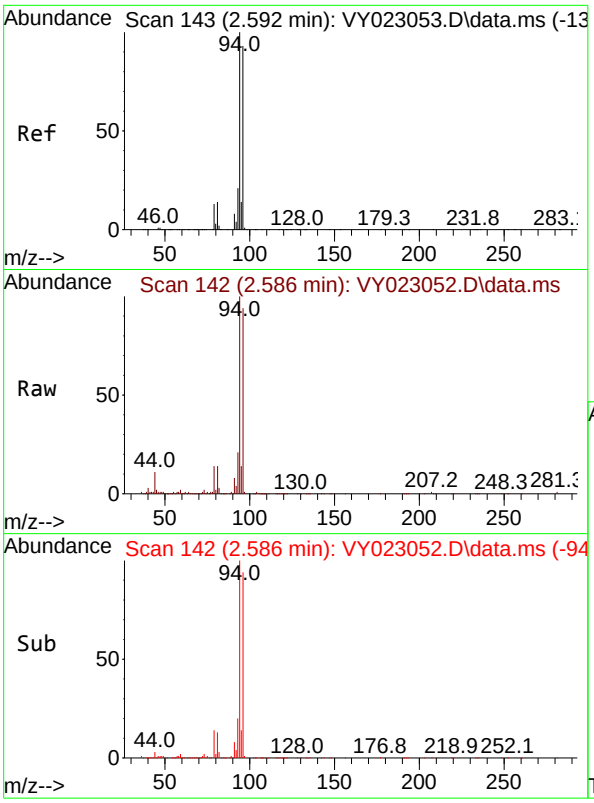


#4
Vinyl Chloride
Concen: 21.427 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 188307

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0



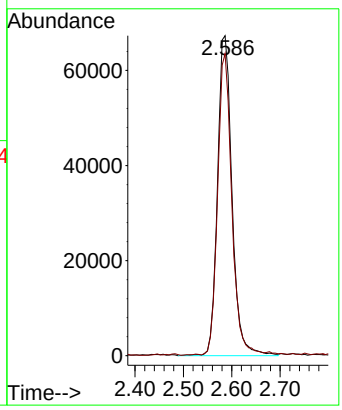


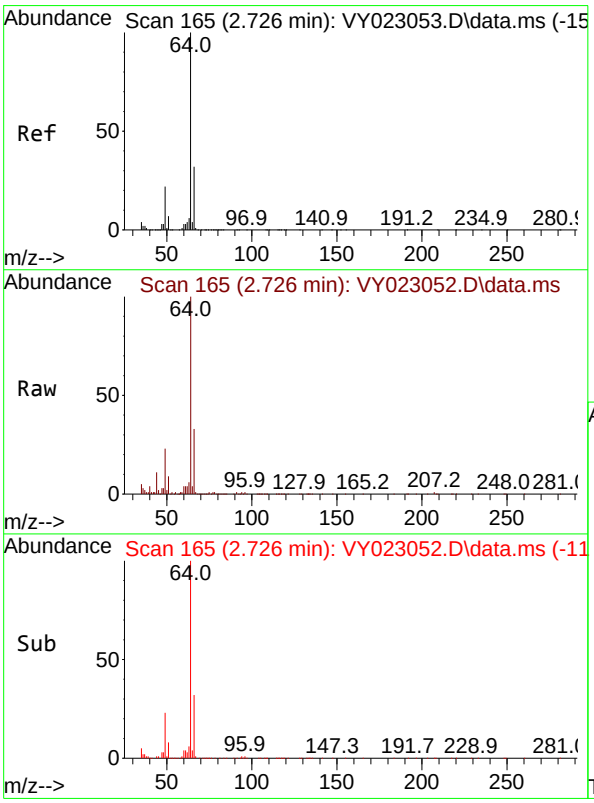
#5
Bromomethane
Concen: 21.410 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 140517

Ion	Ratio	Lower	Upper
94	100		
96	94.1	74.6	112.0

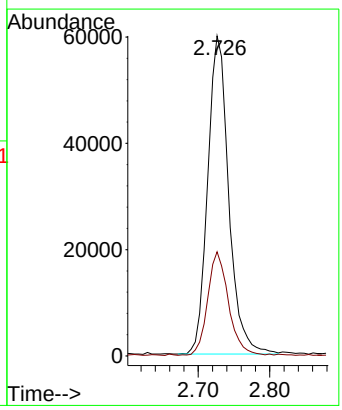


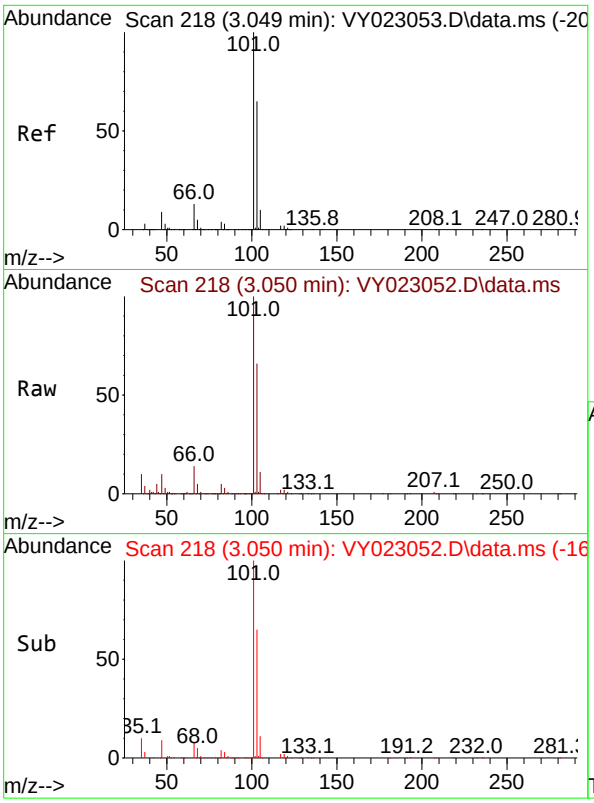


#6
Chloroethane
Concen: 20.934 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 64 Resp: 122310

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.8	38.6



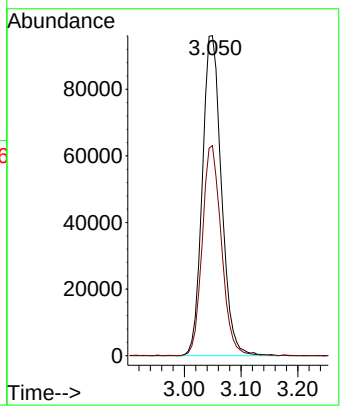


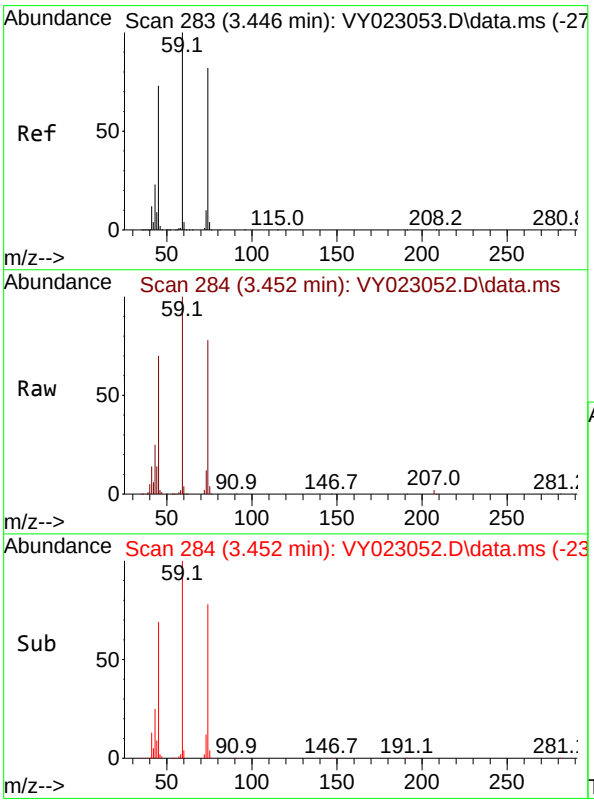
#7
Trichlorofluoromethane
Concen: 21.090 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 225373

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.9	77.9

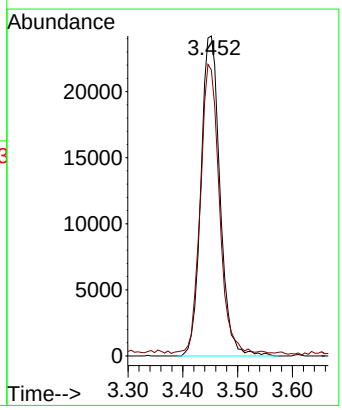


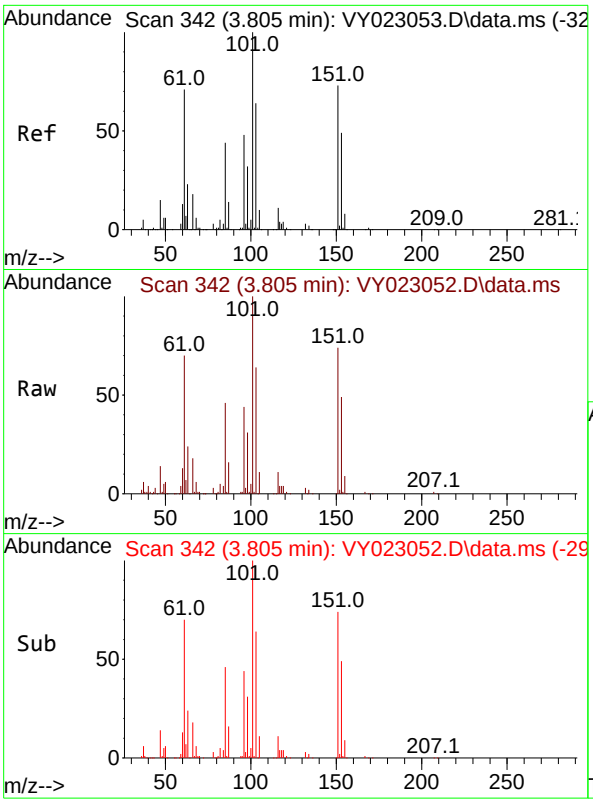


#8
Diethyl Ether
Concen: 20.602 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 74 Resp: 58245

Ion	Ratio	Lower	Upper
74	100		
45	89.8	44.4	133.2



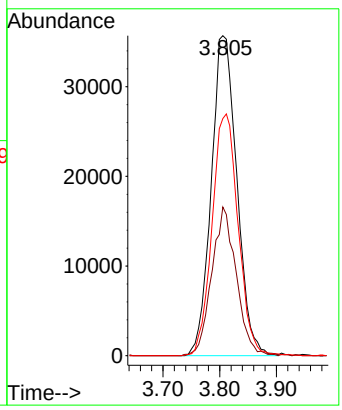


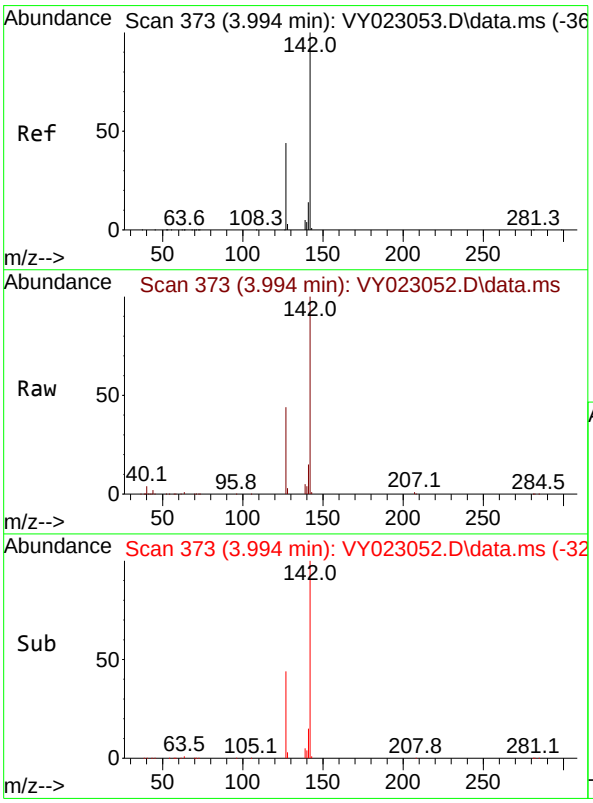
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.267 ug/l
RT: 3.805 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 112116

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.3	54.5
151	76.8	61.5	92.3

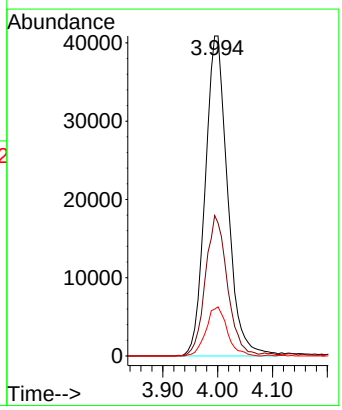


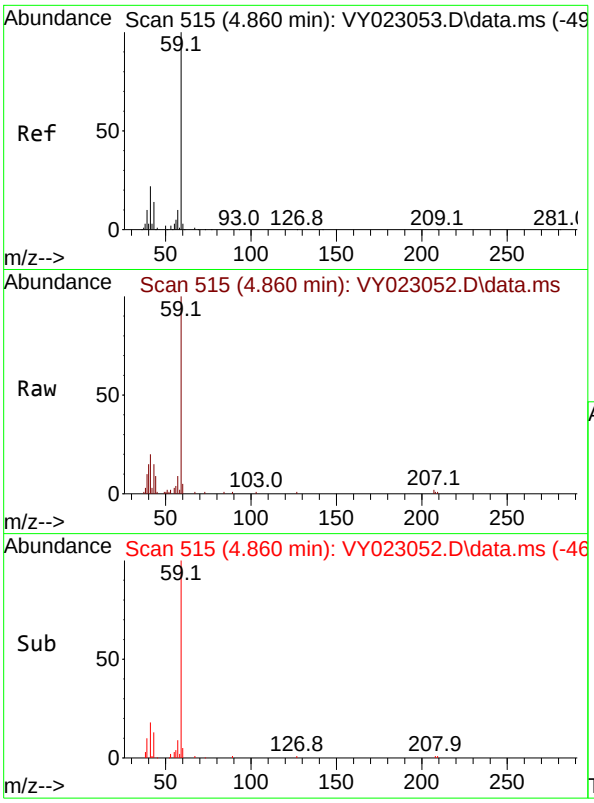


#10
Methyl Iodide
Concen: 20.370 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:142 Resp: 115879

Ion	Ratio	Lower	Upper
142	100		
127	43.0	34.9	52.3
141	14.6	11.3	16.9



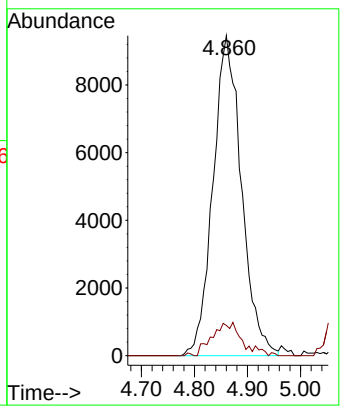


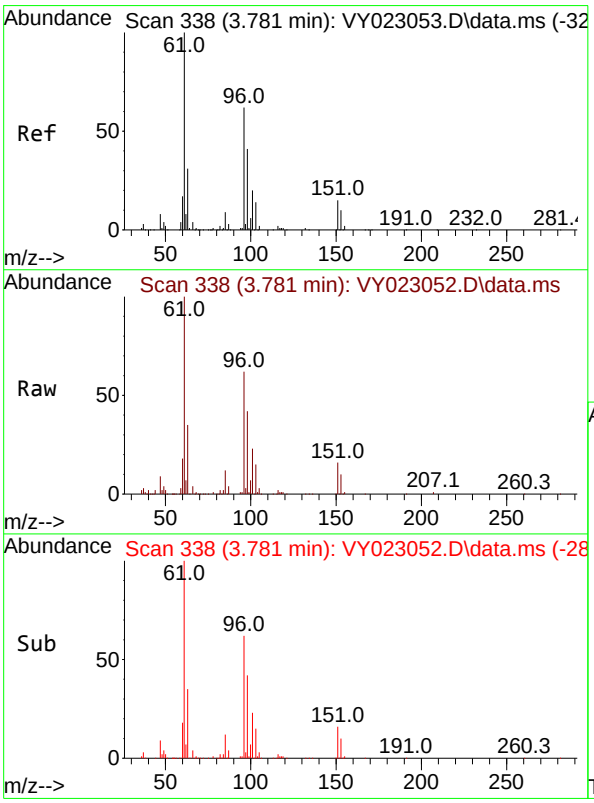
#11
Tert butyl alcohol
Concen: 100.214 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 35192

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	13.0

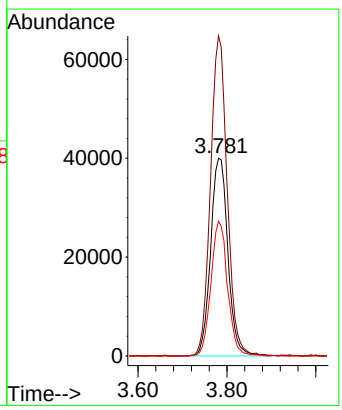


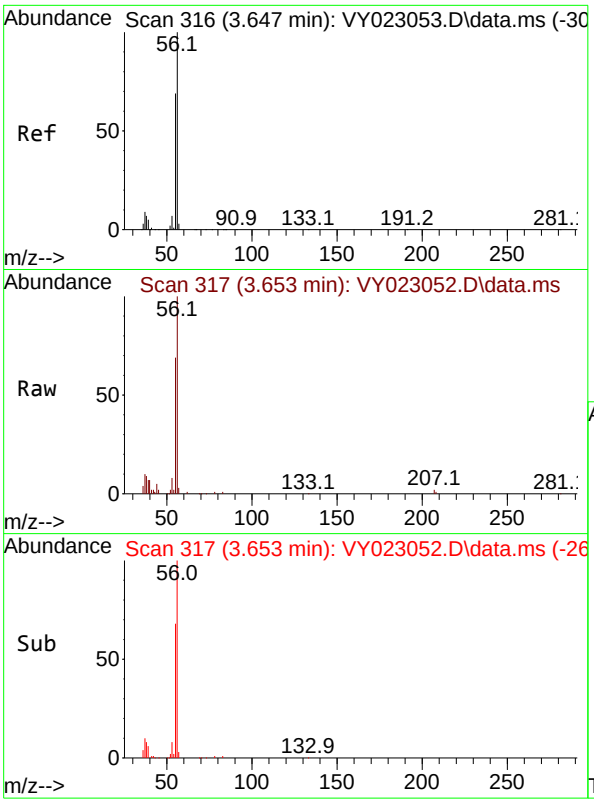


#12
1,1-Dichloroethene
Concen: 20.840 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 96 Resp: 107992

Ion	Ratio	Lower	Upper
96	100		
61	161.8	129.4	194.2
98	68.1	52.8	79.2



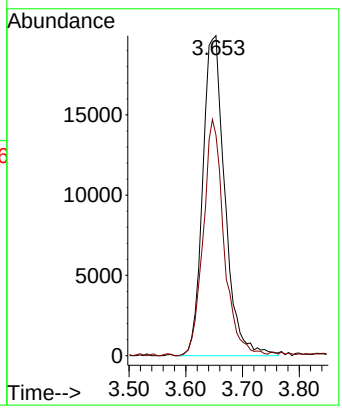


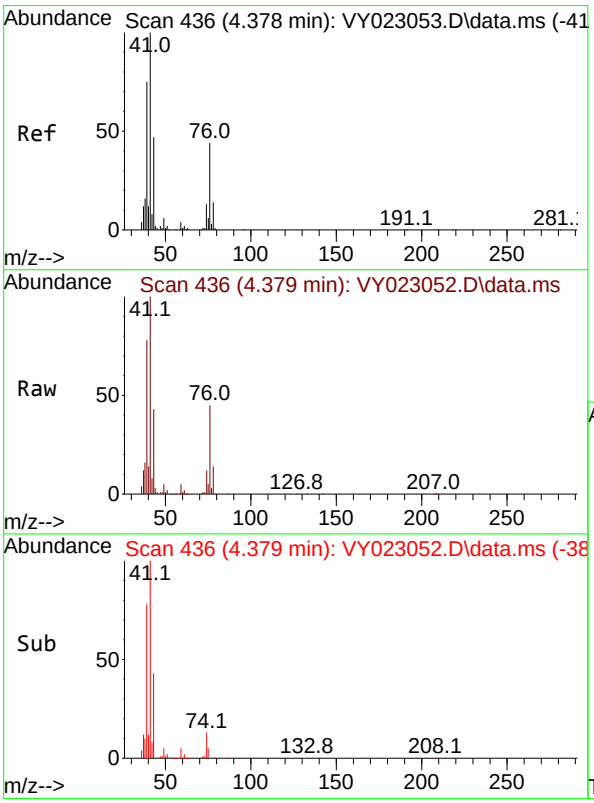
#13
Acrolein
Concen: 105.126 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 54065

Ion	Ratio	Lower	Upper
56	100		
55	69.1	55.2	82.8

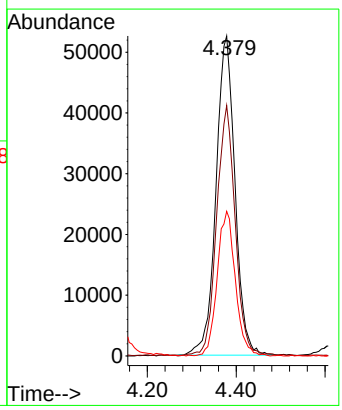


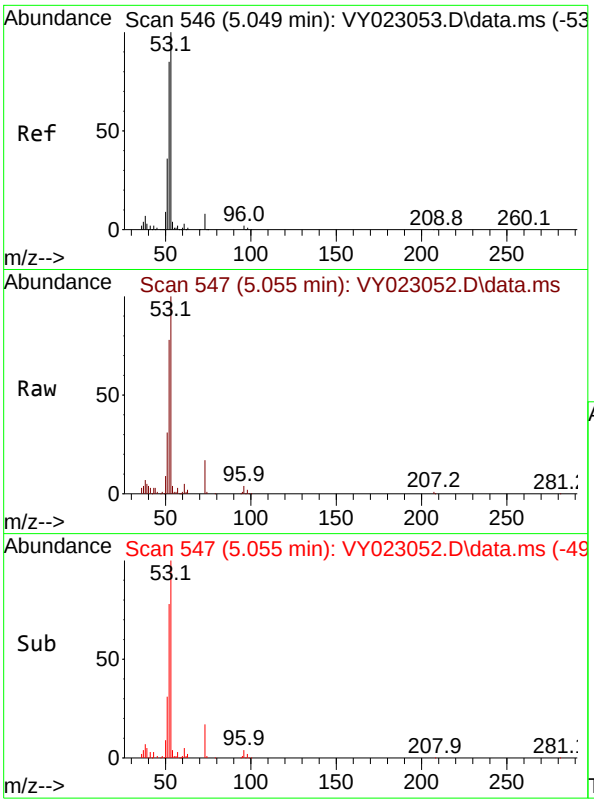


#14
Allyl chloride
Concen: 20.421 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 155709

Ion	Ratio	Lower	Upper
41	100		
39	77.1	59.8	89.6
76	43.3	33.7	50.5



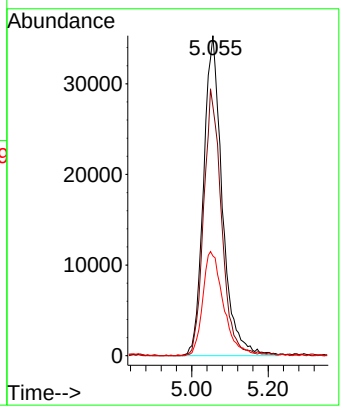


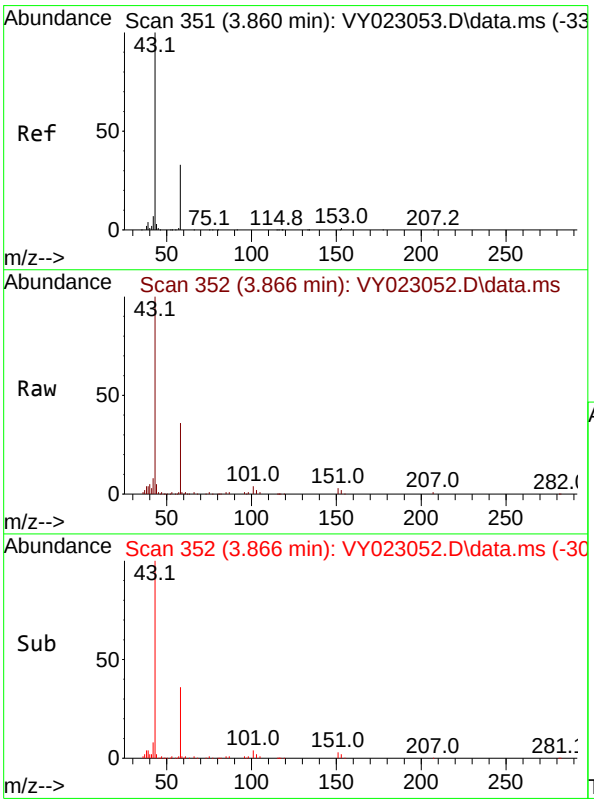
#15
Acrylonitrile
Concen: 104.535 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 120151

Ion	Ratio	Lower	Upper
53	100		
52	78.7	65.3	97.9
51	35.9	29.5	44.3

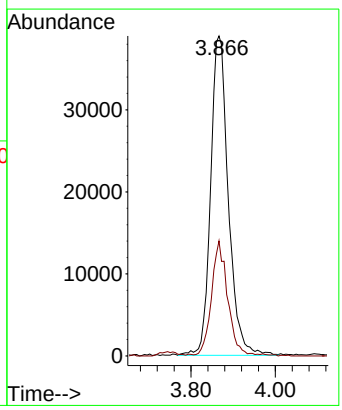


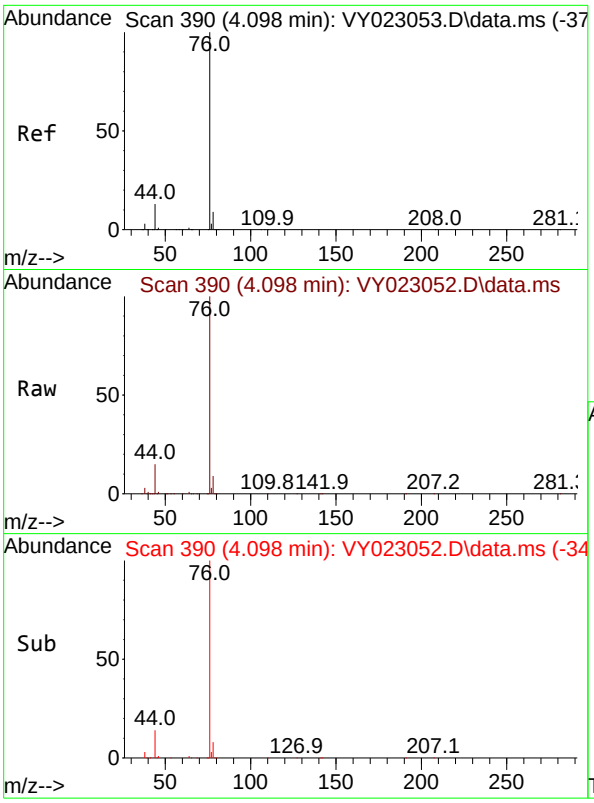


#16
Acetone
Concen: 102.193 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 113468

Ion	Ratio	Lower	Upper
43	100		
58	36.0	27.1	40.7



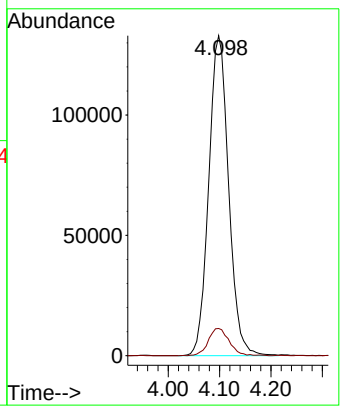


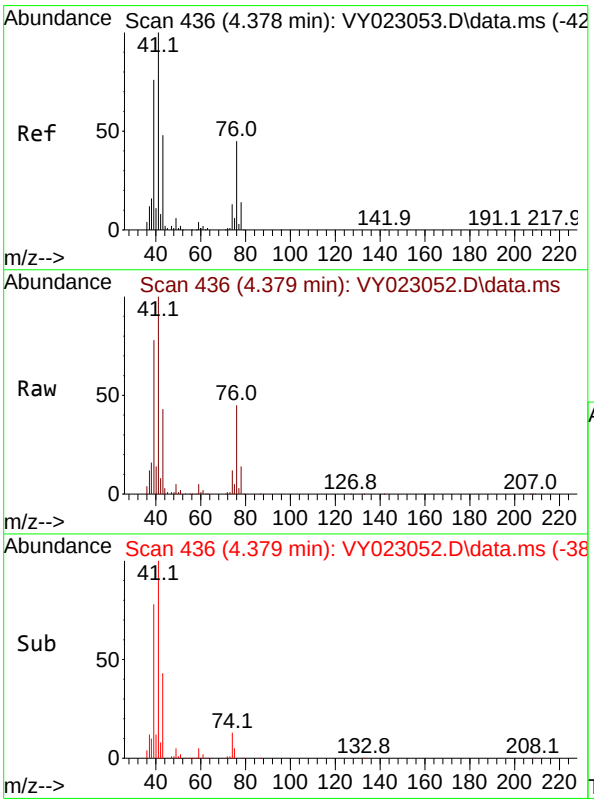
#17
Carbon Disulfide
Concen: 21.157 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 357484

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

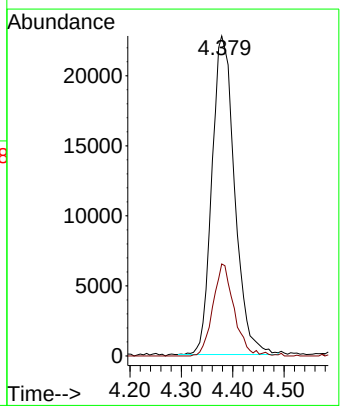


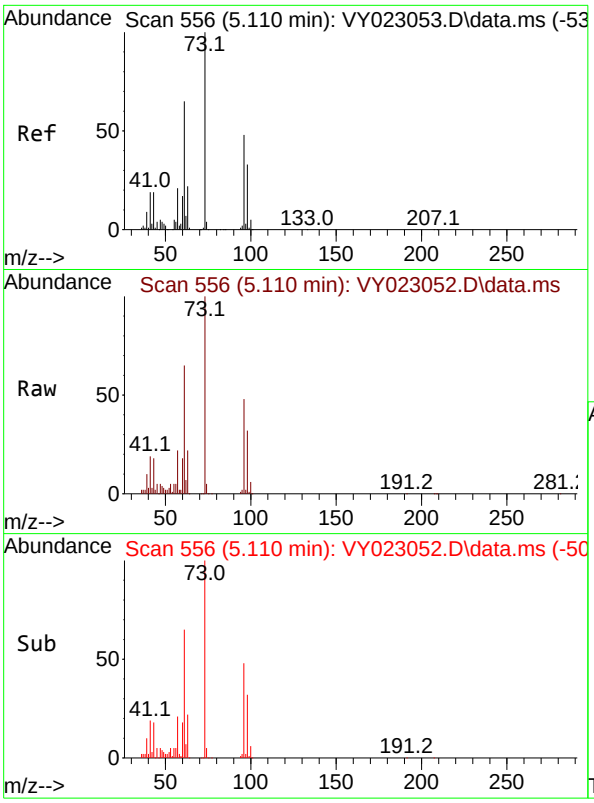


#18
Methyl Acetate
Concen: 21.141 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 69853

Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.2	31.8



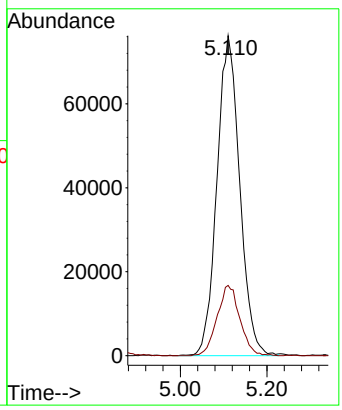


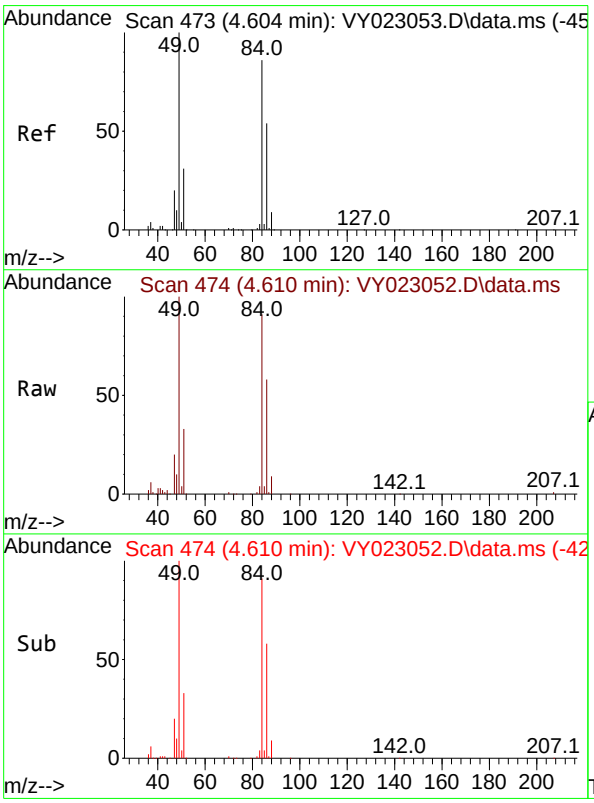
#19
Methyl tert-butyl Ether
Concen: 20.767 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 278863

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7

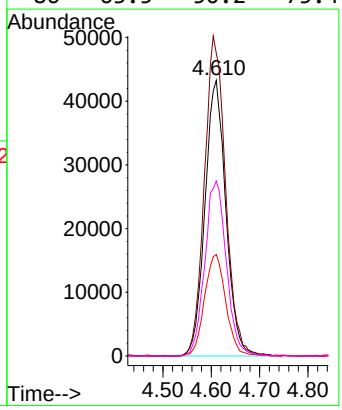


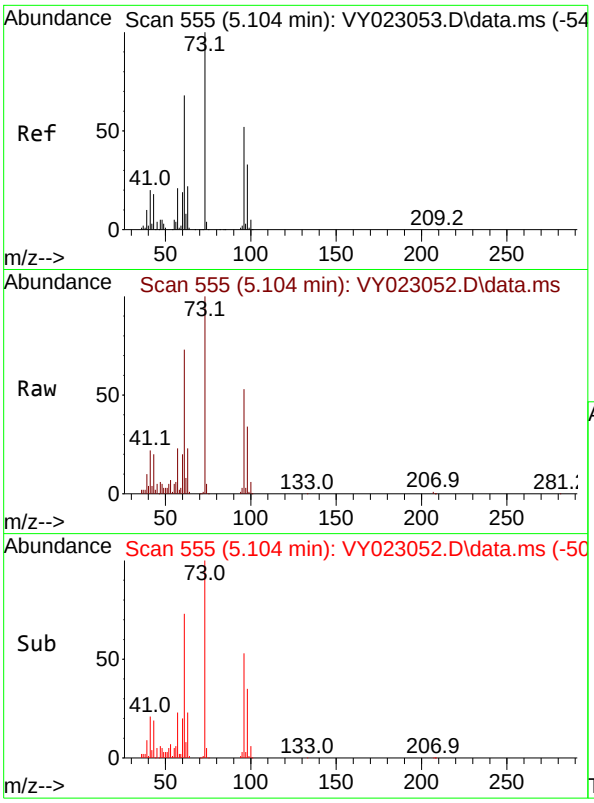


#20
Methylene Chloride
Concen: 21.069 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 84 Resp: 130416

Ion	Ratio	Lower	Upper
84	100		
49	109.9	93.0	139.6
51	36.8	29.0	43.4
86	63.5	50.2	75.4



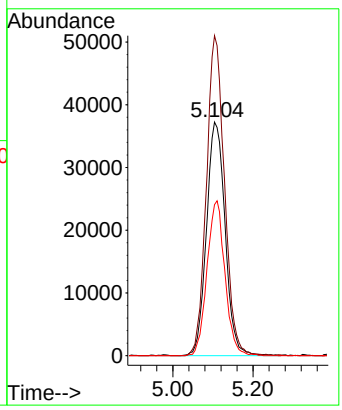


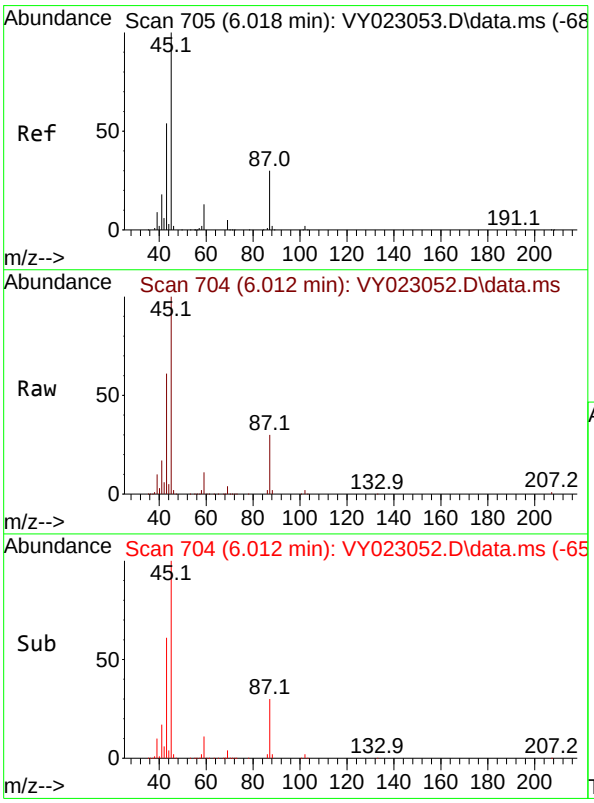
#21
trans-1,2-Dichloroethene
Concen: 20.661 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 120321

Ion	Ratio	Lower	Upper
96	100		
61	137.0	104.8	157.2
98	64.7	50.1	75.1

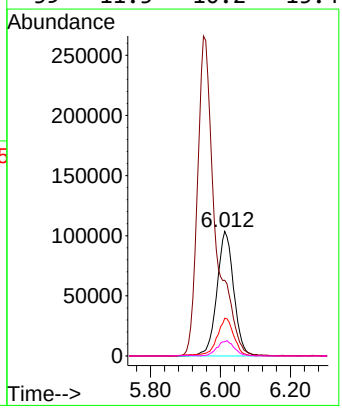


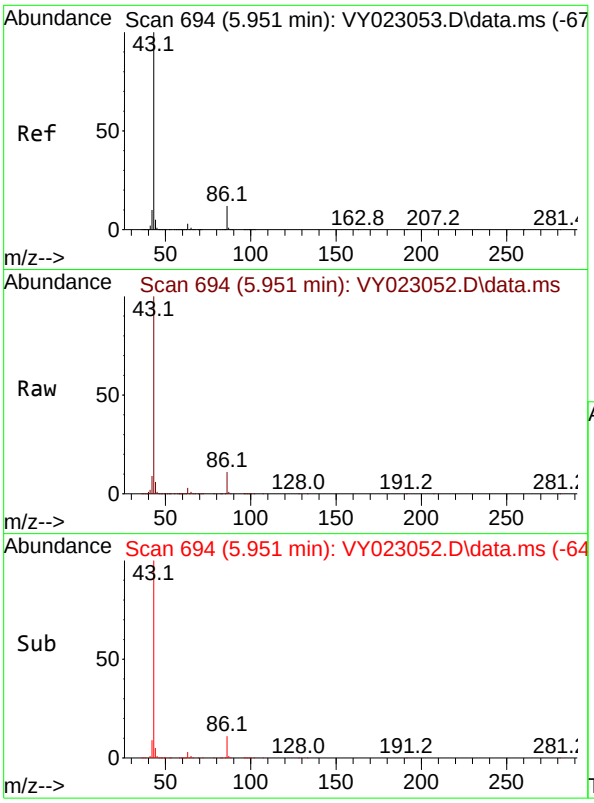


#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 45 Resp: 346195

Ion	Ratio	Lower	Upper
45	100		
43	60.5	43.4	65.0
87	30.3	24.4	36.6
59	11.5	10.2	15.4



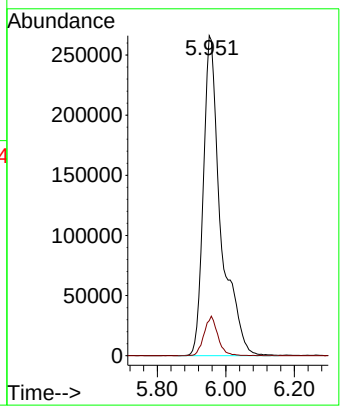


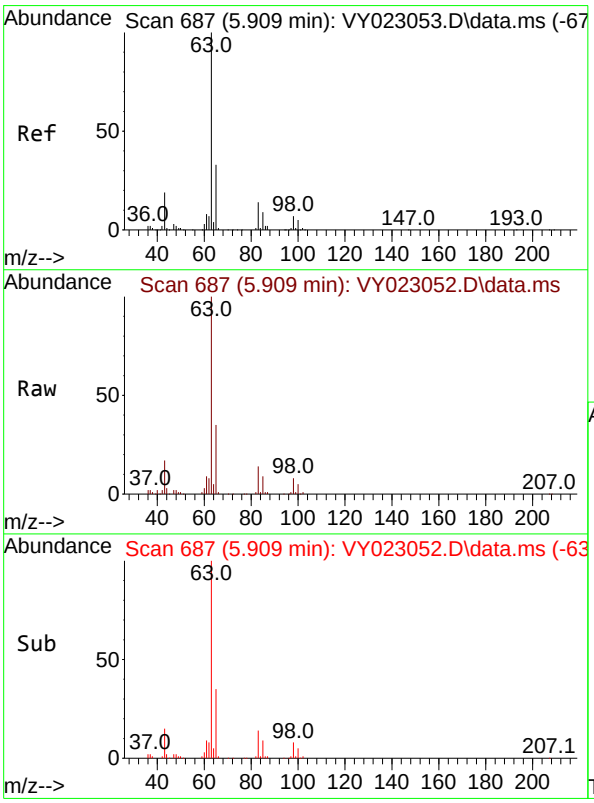
#23
Vinyl Acetate
Concen: 102.748 ug/l
RT: 5.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 941364

Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.6	14.4

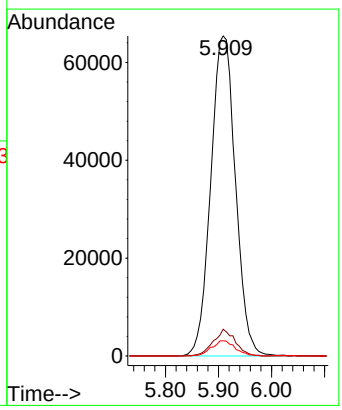


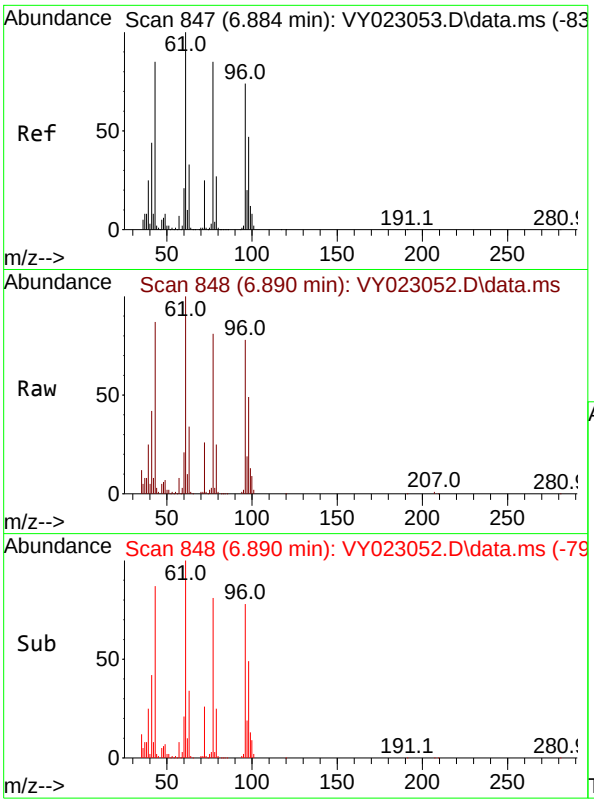


#24
1,1-Dichloroethane
Concen: 20.884 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 211558

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.5	10.6
100	4.8	2.4	7.1



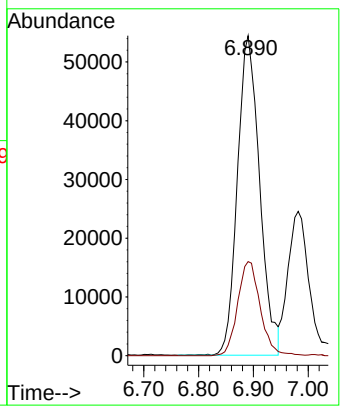


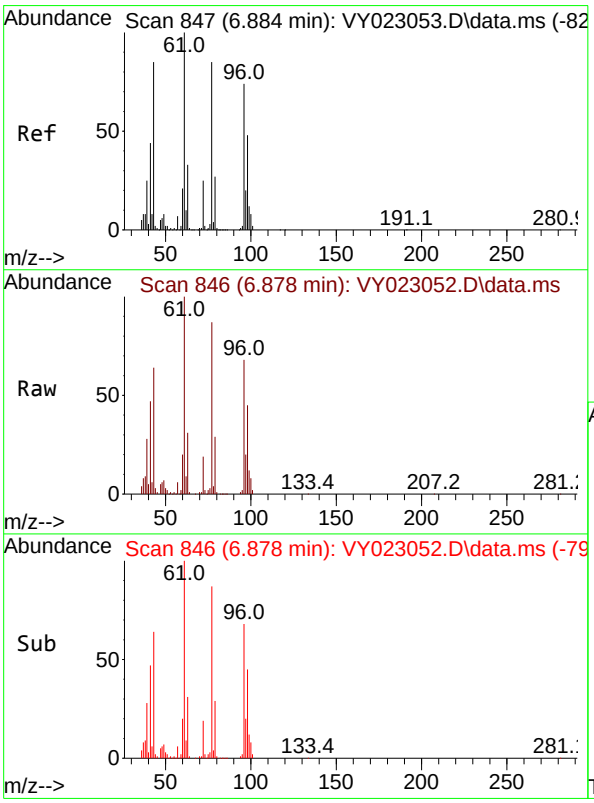
#25
2-Butanone
Concen: 101.559 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 153363

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.5	35.3

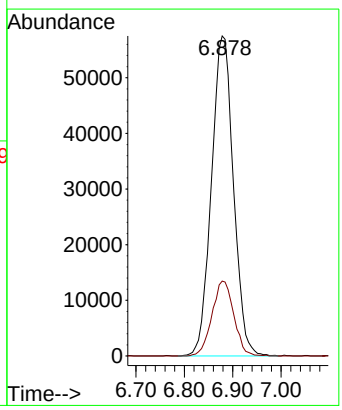


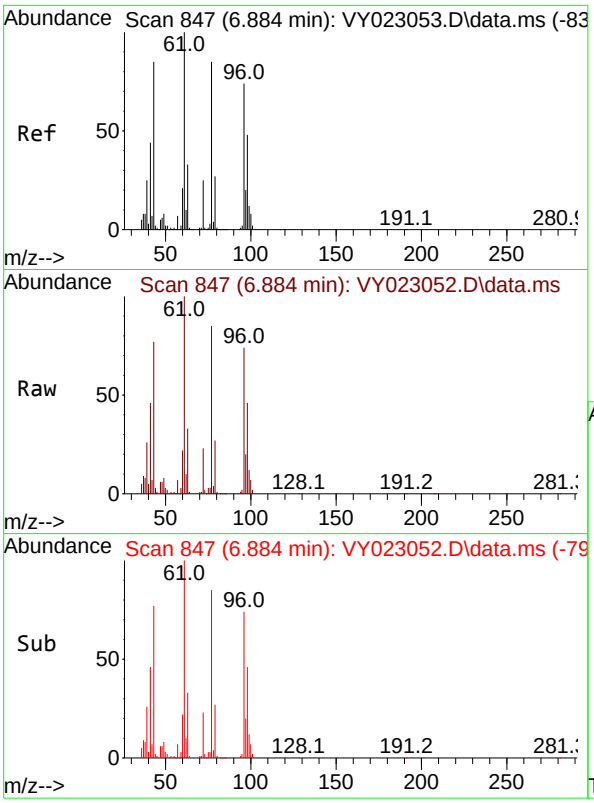


#26
2,2-Dichloropropane
Concen: 20.767 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 77 Resp: 181528

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8



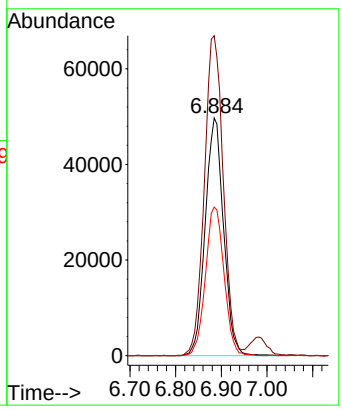


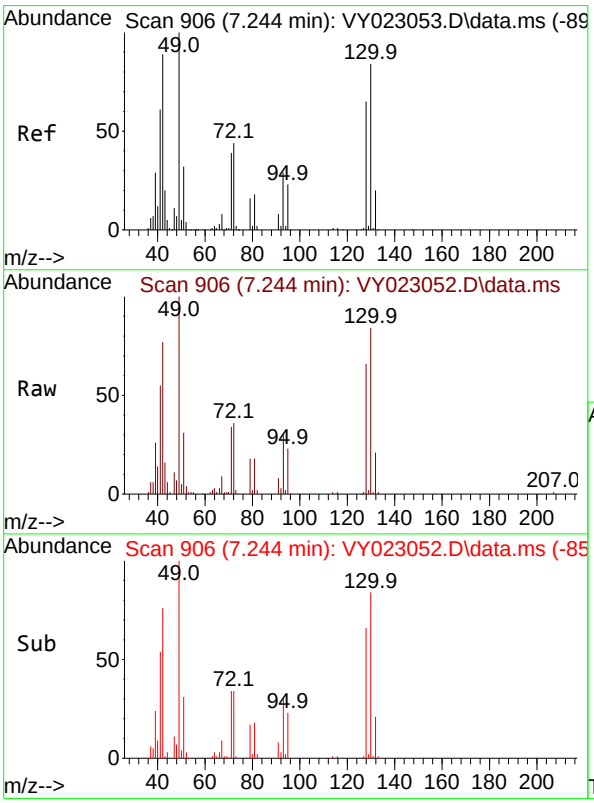
#27
cis-1,2-Dichloroethene
Concen: 20.613 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 138775

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	278.6
98	63.4	0.0	130.4

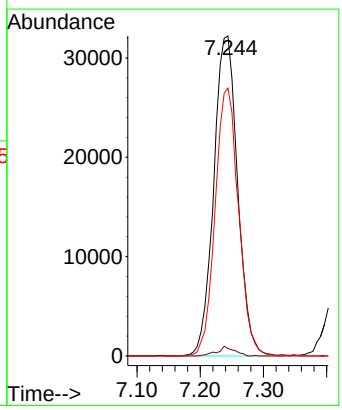


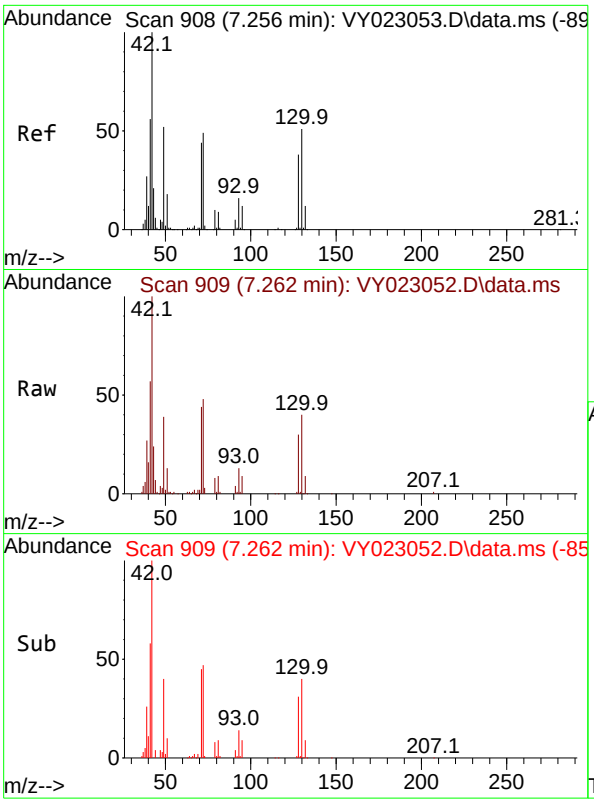


#28
Bromochloromethane
Concen: 21.035 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 49 Resp: 84540

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.7	66.4	99.6



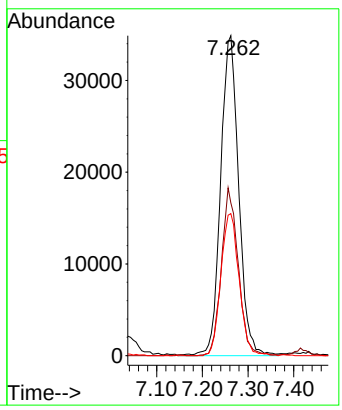


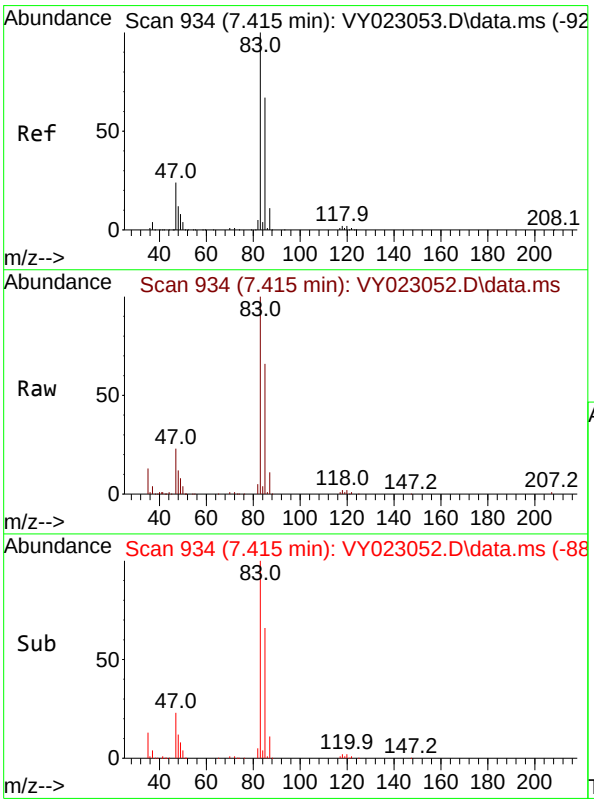
#29
Tetrahydrofuran
Concen: 102.341 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 95795

Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.4	59.2
71	44.8	36.5	54.7

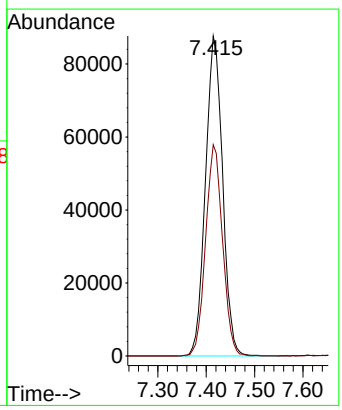


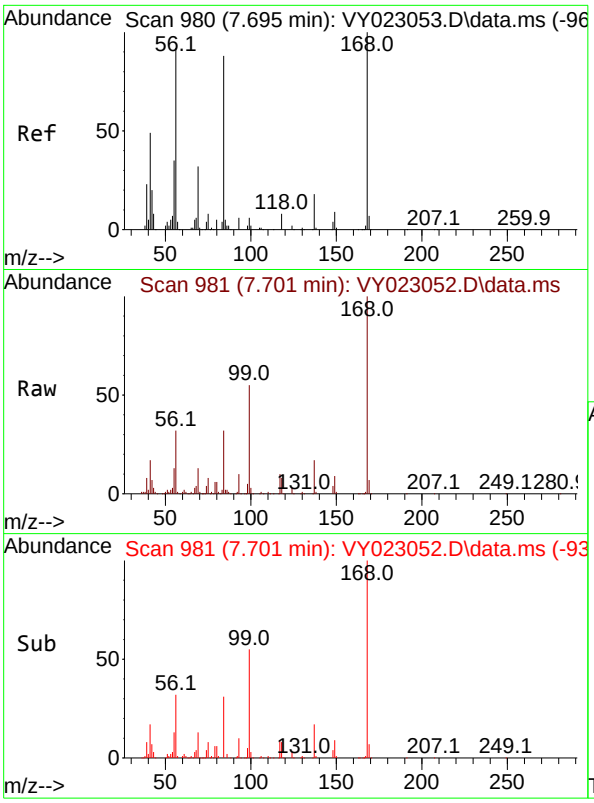


#30
Chloroform
Concen: 20.635 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 83 Resp: 215585

Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.8	80.8



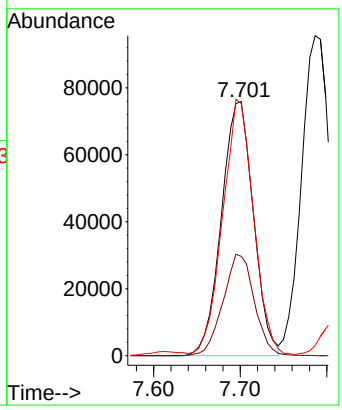


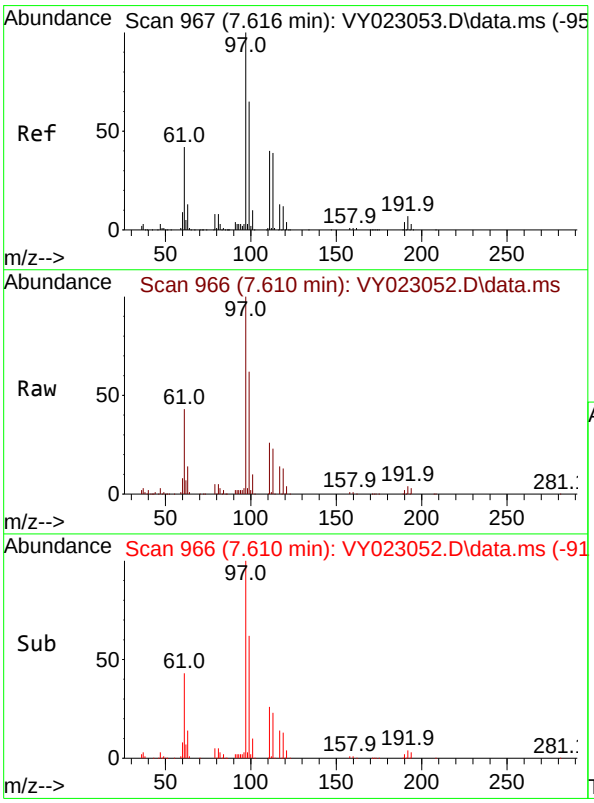
#31
Cyclohexane
Concen: 20.393 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 194671

Ion	Ratio	Lower	Upper
56	100		
69	39.1	28.2	42.2
84	98.0	76.6	114.8

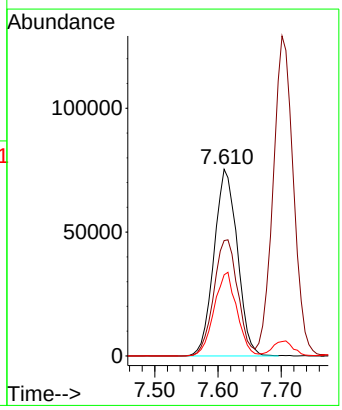


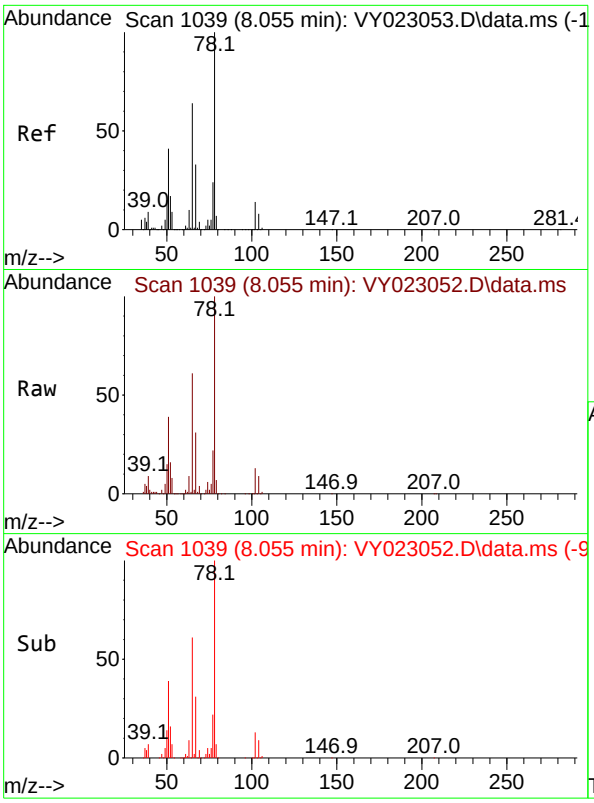


#32
1,1,1-Trichloroethane
Concen: 20.848 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 97 Resp: 193268

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.9	34.2	51.2



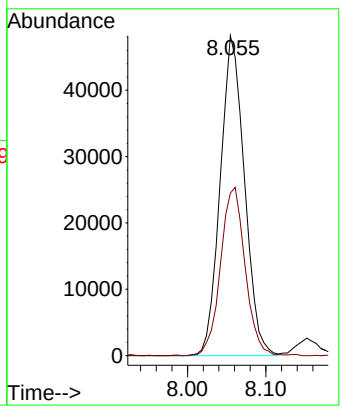


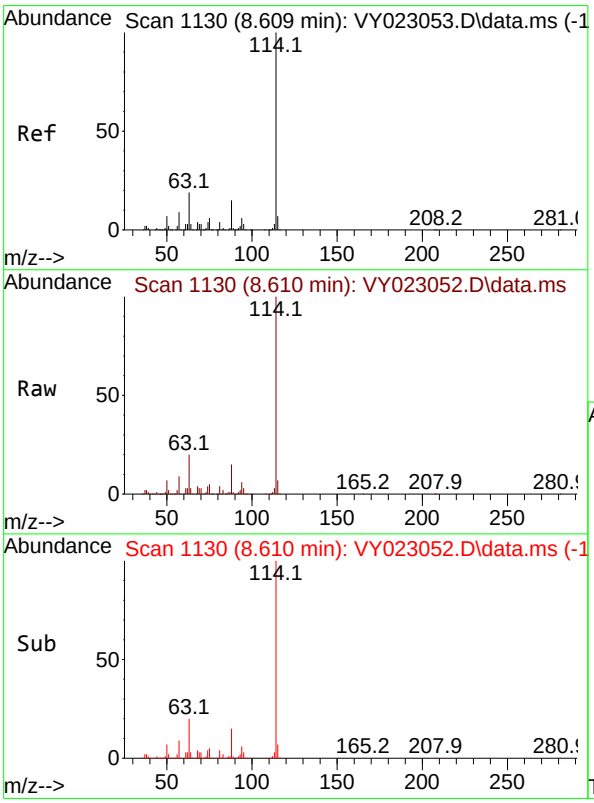
#33
1,2-Dichloroethane-d4
Concen: 20.244 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 103755

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

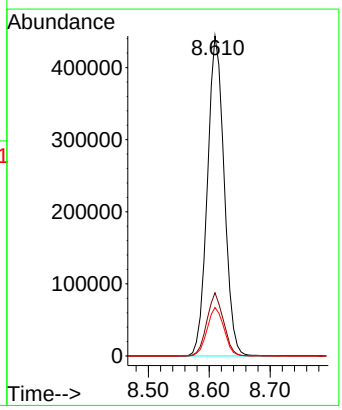


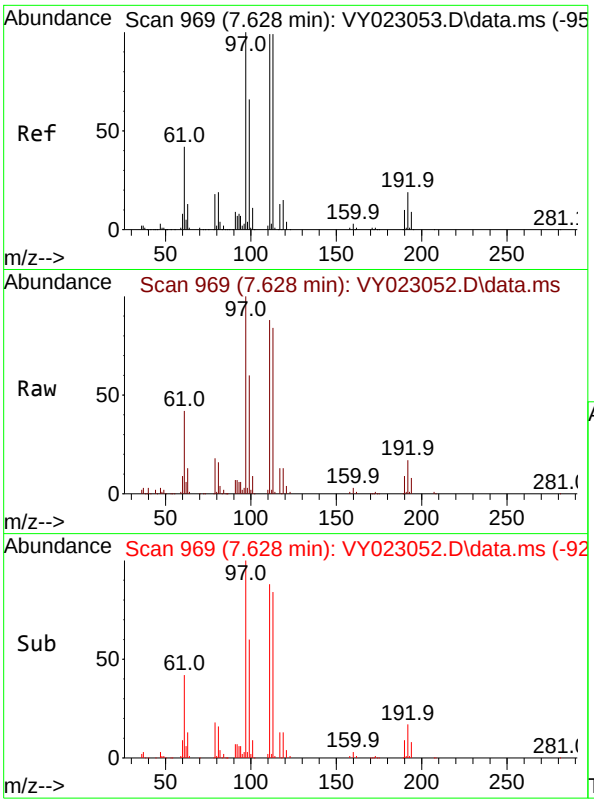


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:114 Resp: 848953

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.4
88	15.2	0.0	30.0



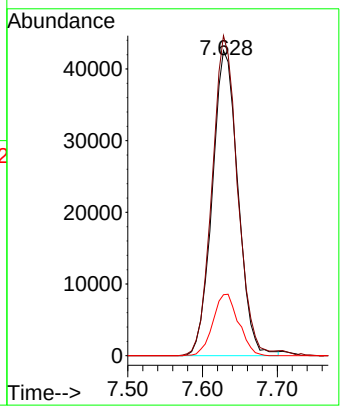


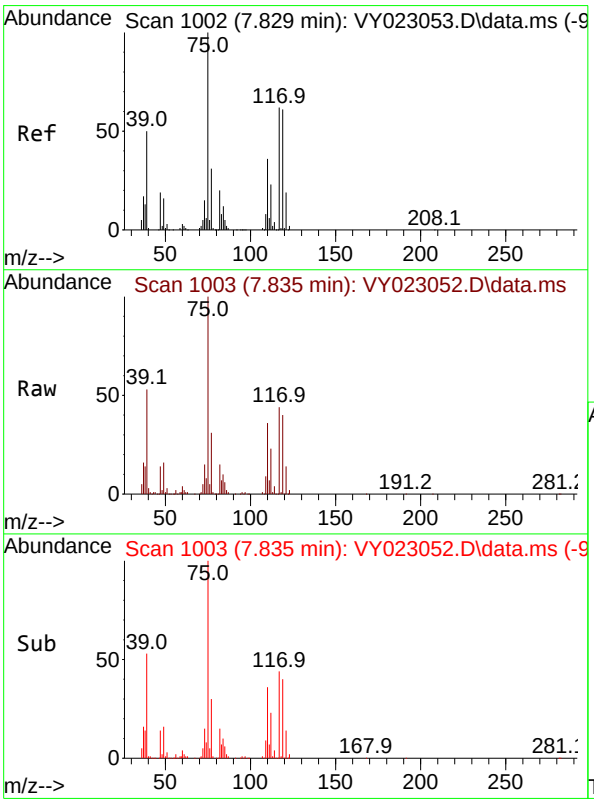
#35
Dibromofluoromethane
Concen: 20.093 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 102068

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.1	121.7
192	20.1	16.2	24.4

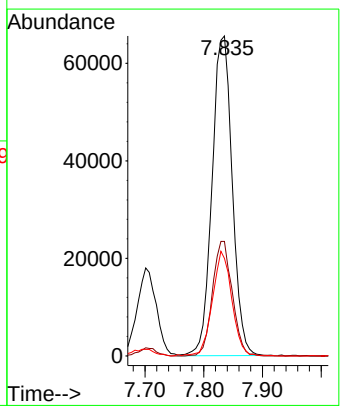


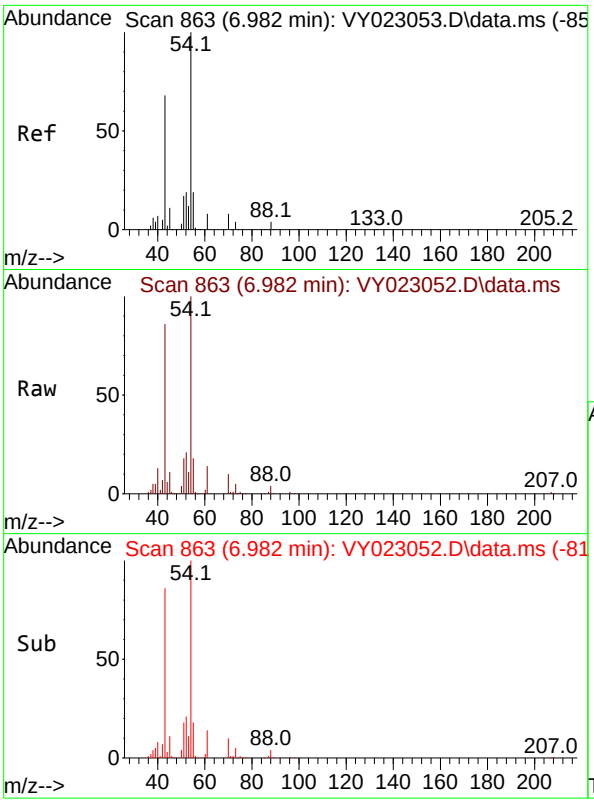


#36
1,1-Dichloropropene
Concen: 20.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 156617

Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.1	54.4
77	31.6	24.6	37.0



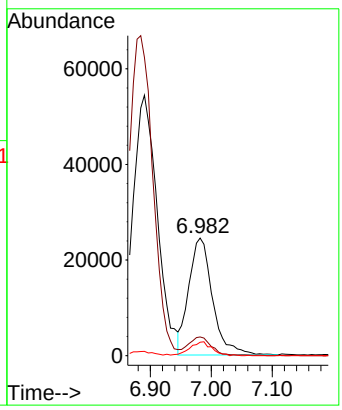


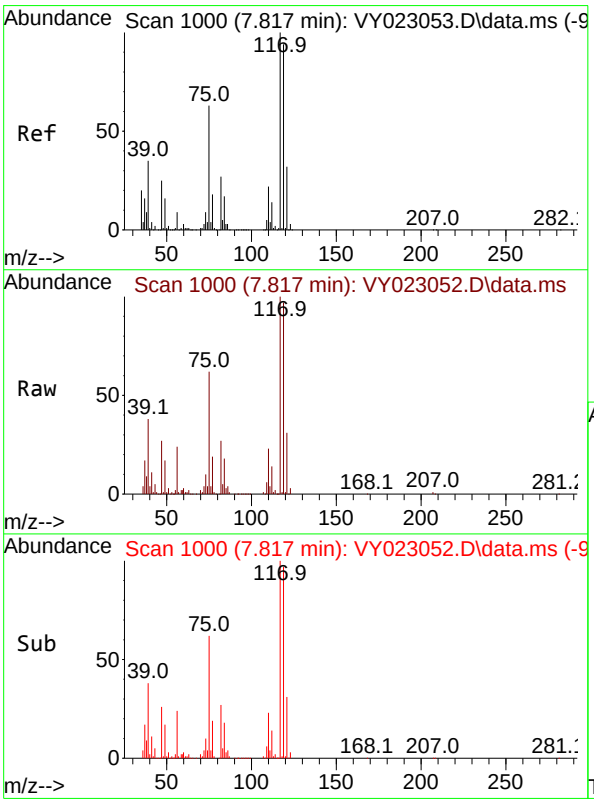
#37
Ethyl Acetate
Concen: 20.944 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66420

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.0	8.8	13.2

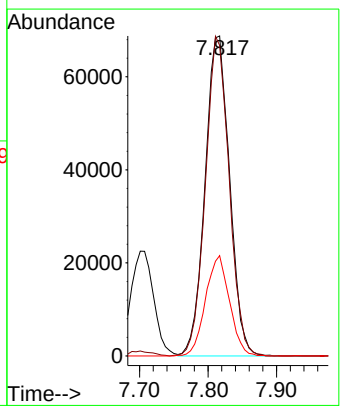


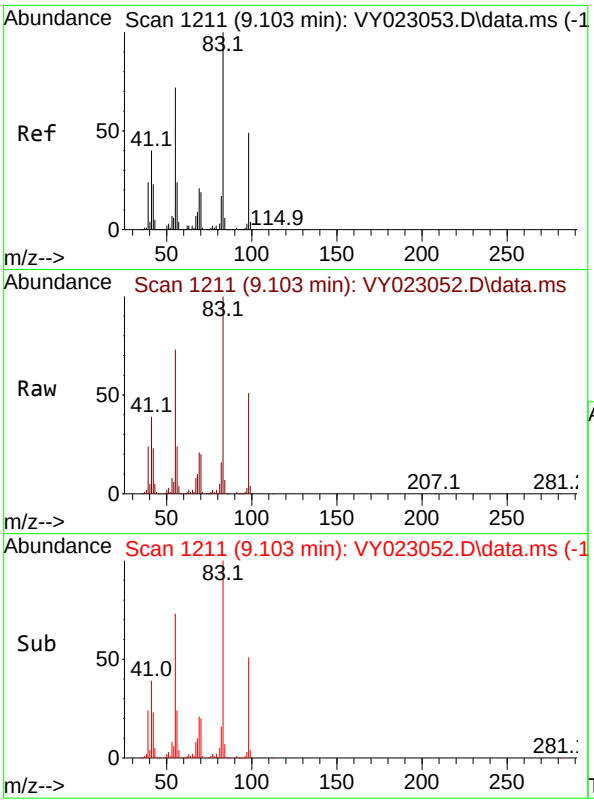


#38
Carbon Tetrachloride
Concen: 20.897 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:117 Resp: 171344

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	31.3	25.8	38.8



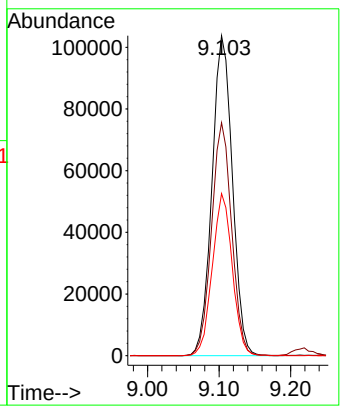


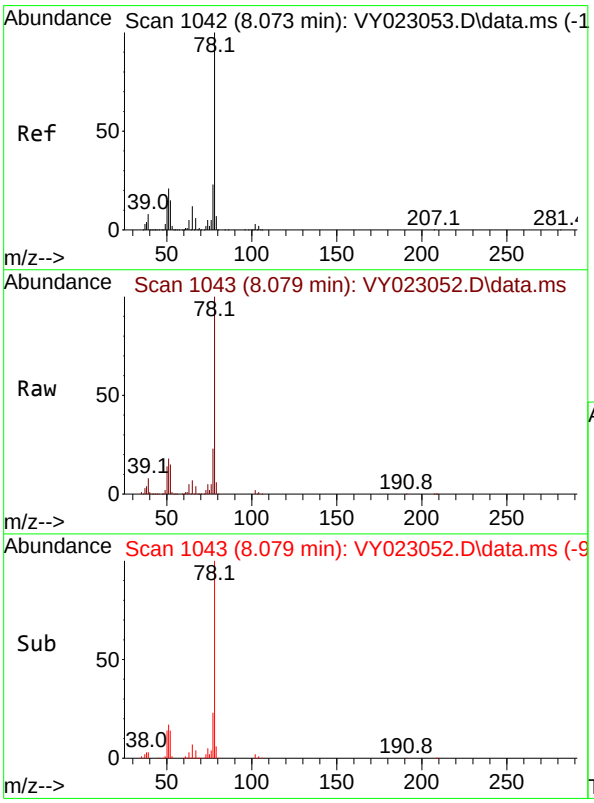
#39
Methylcyclohexane
Concen: 20.680 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 205594

Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.6	86.4
98	50.7	39.2	58.8

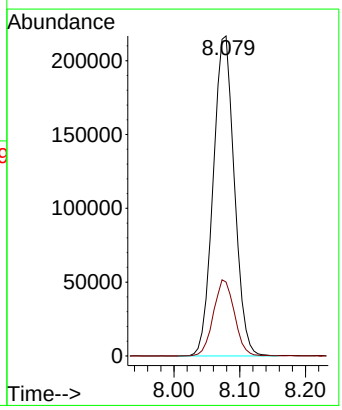


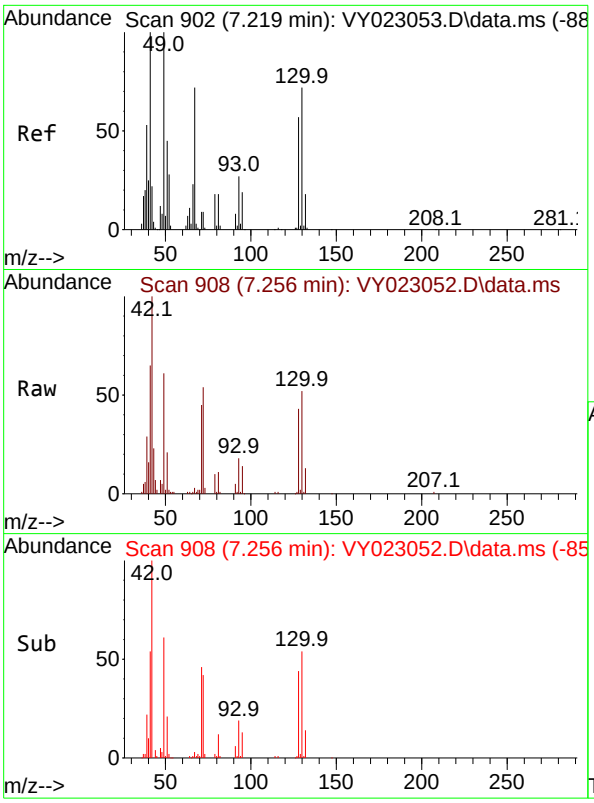


#40
Benzene
Concen: 20.871 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 78 Resp: 485631

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0



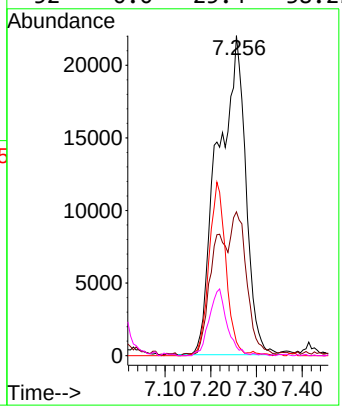


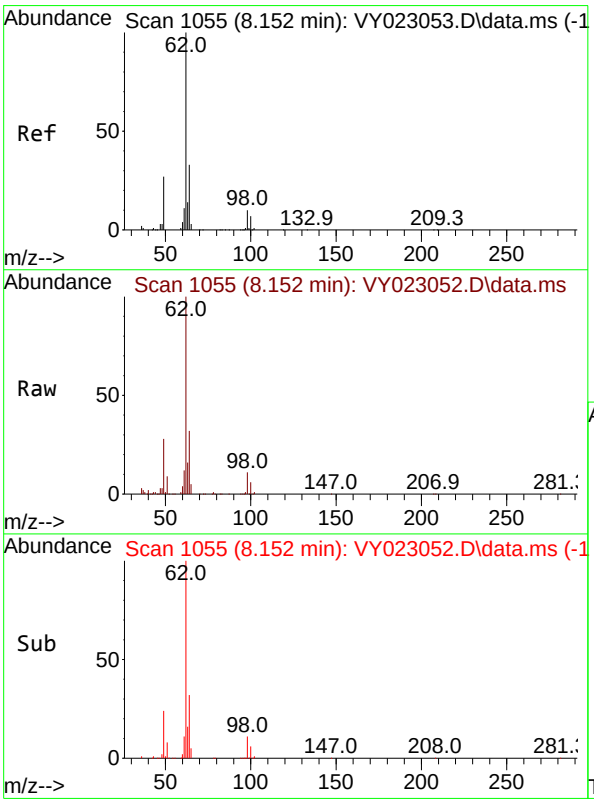
#41
Methacrylonitrile
Concen: 50.787 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 93052

Ion	Ratio	Lower	Upper
41	100		
39	25.3	43.4	65.2#
67	0.0	63.6	95.4#
52	0.0	25.4	38.2#

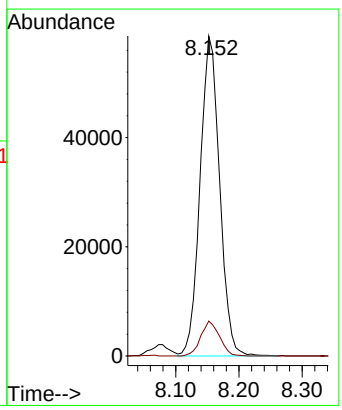


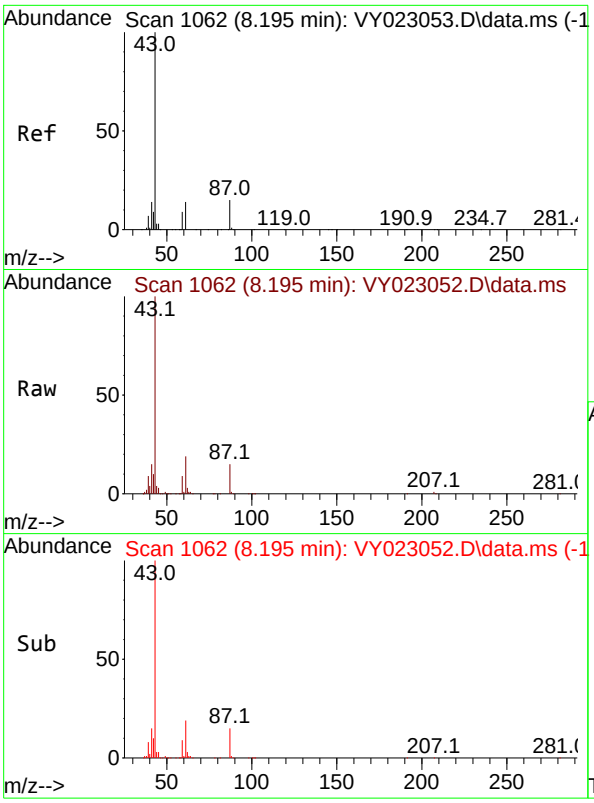


#42
1,2-Dichloroethane
Concen: 20.839 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 126111

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



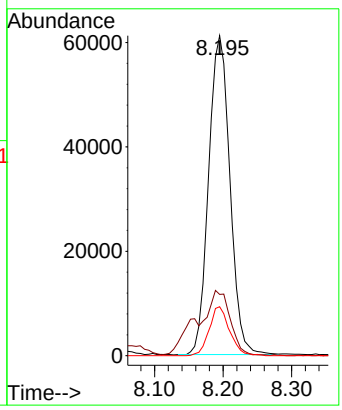


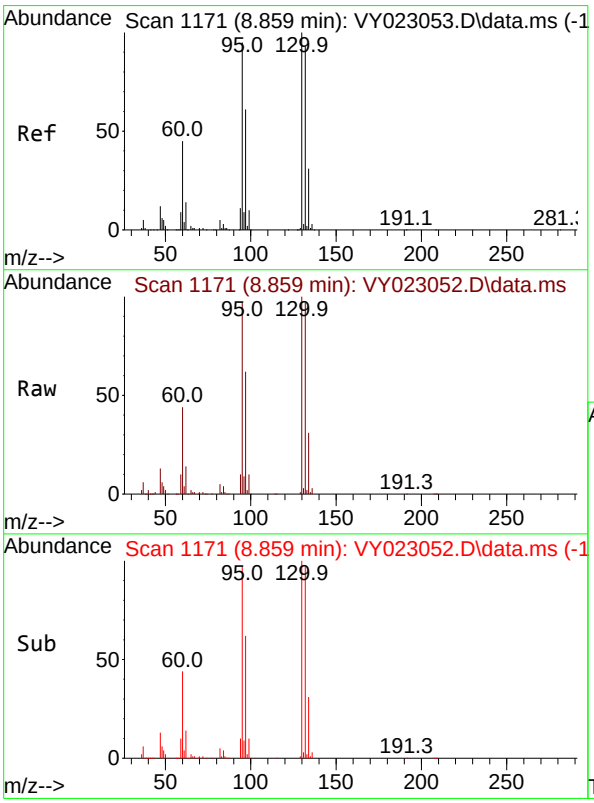
#43
Isopropyl Acetate
Concen: 20.571 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 131854

Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	14.7	11.8	17.6

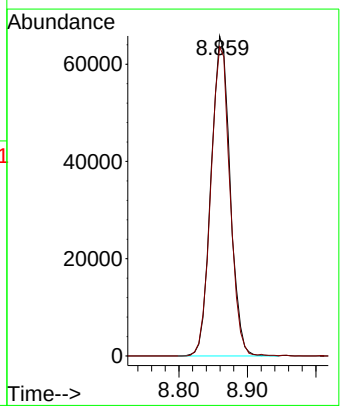


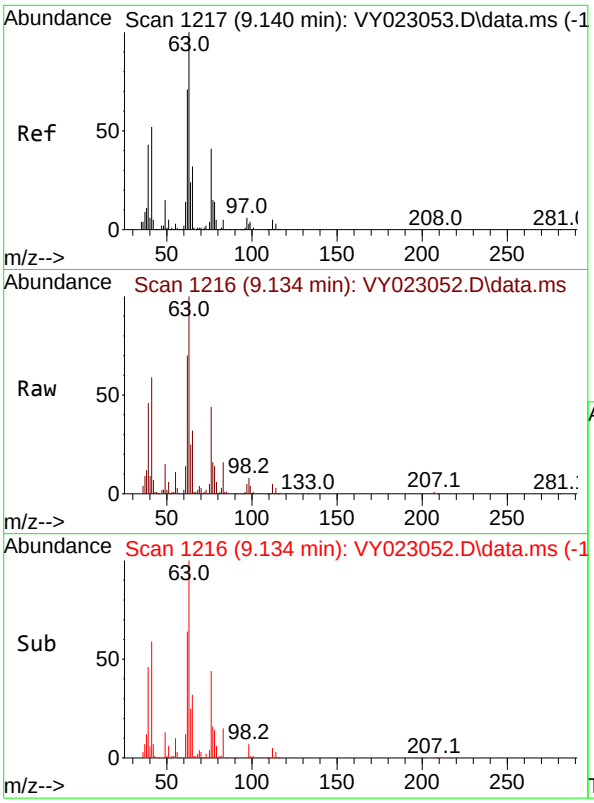


#44
Trichloroethene
Concen: 21.083 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:130 Resp: 126772

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	190.2



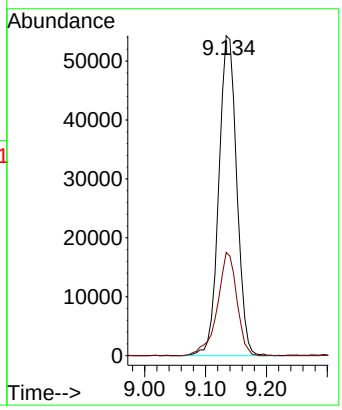


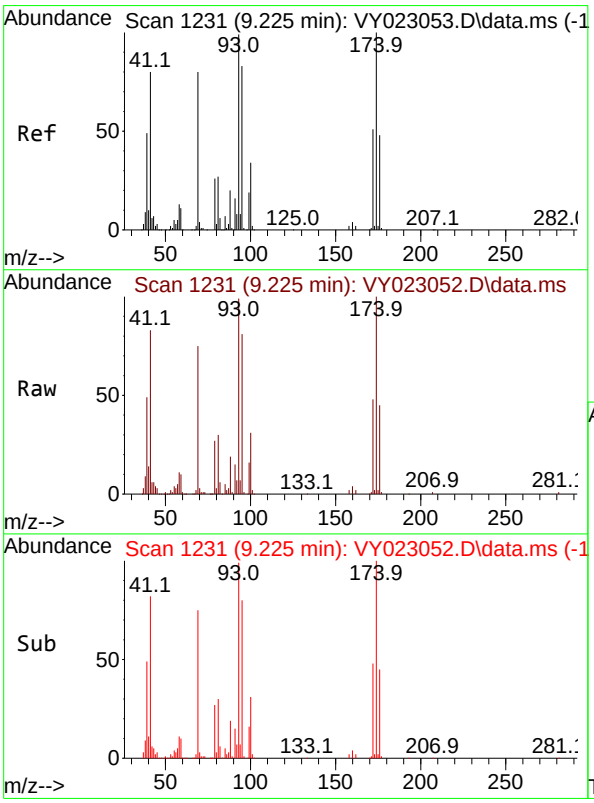
#45
1,2-Dichloropropane
Concen: 20.677 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 110699

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.3	37.9

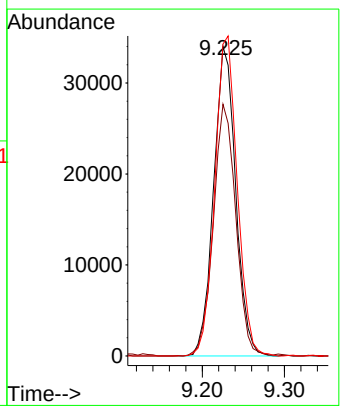


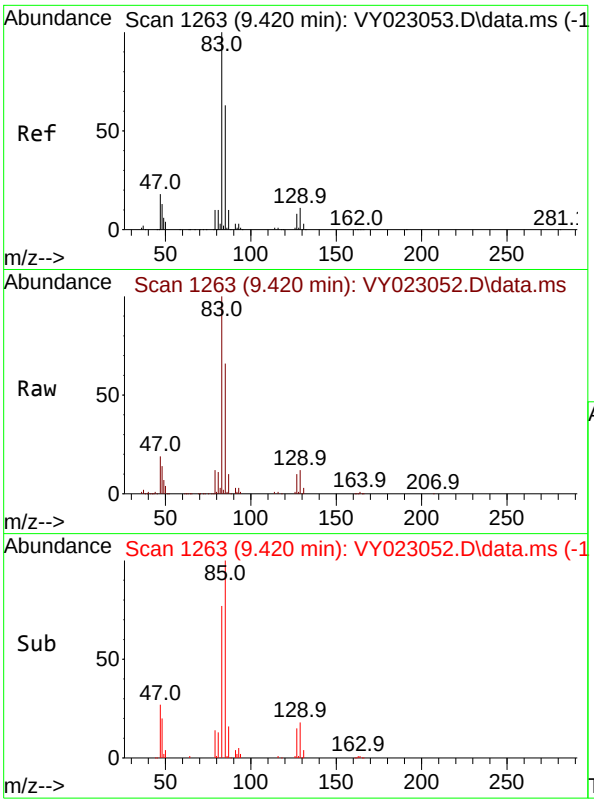


#46
Dibromomethane
Concen: 20.635 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 93 Resp: 63410

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.5	99.7
174	105.0	81.8	122.8



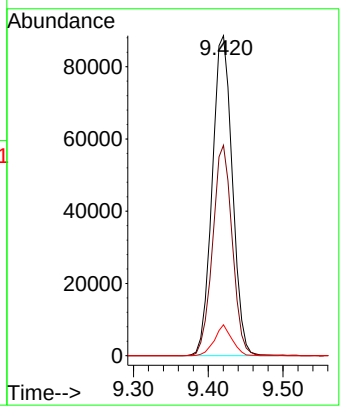


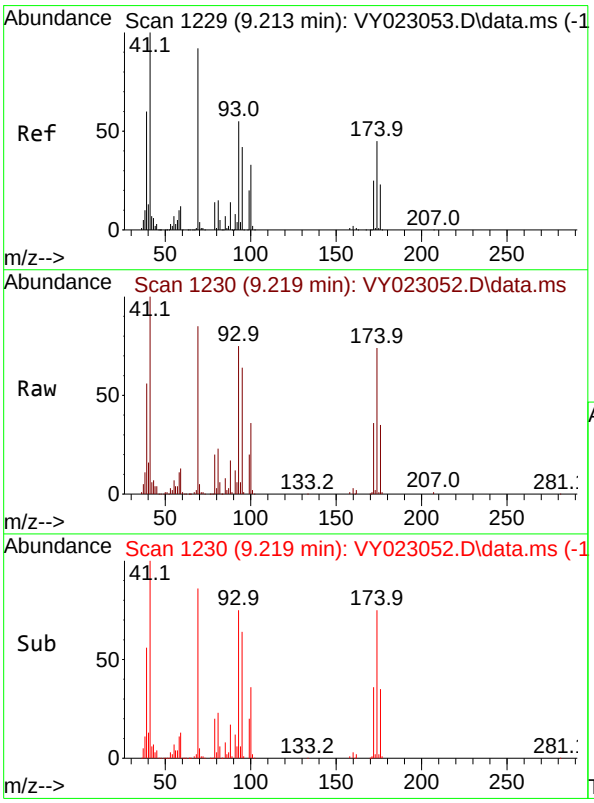
#47
Bromodichloromethane
Concen: 20.988 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 165954

Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.2	75.4
127	9.6	6.6	10.0

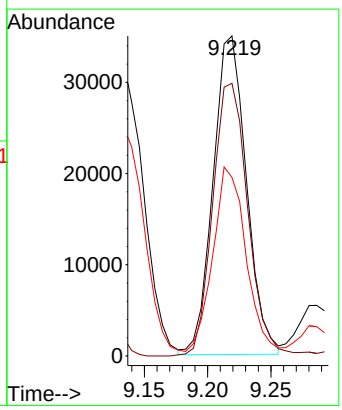


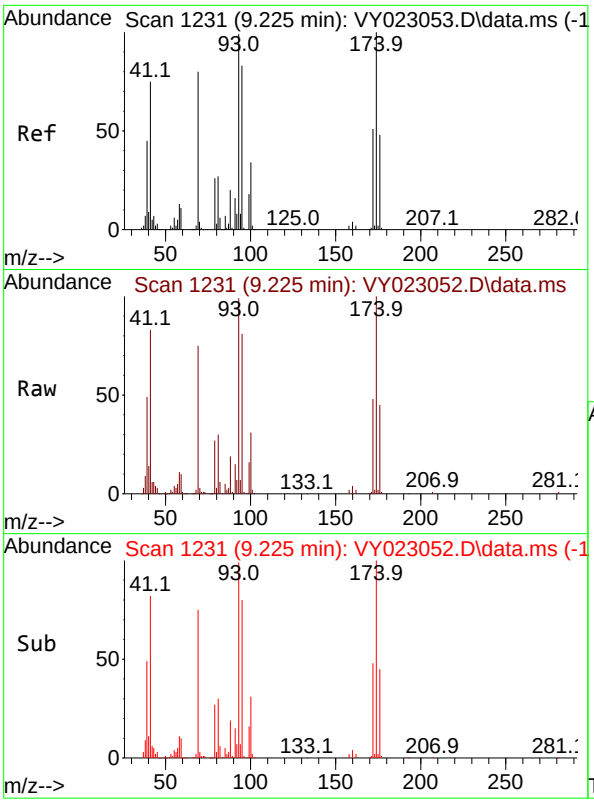


#48
Methyl methacrylate
Concen: 20.905 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 64120

Ion	Ratio	Lower	Upper
41	100		
69	89.9	73.2	109.8
39	57.0	47.0	70.4



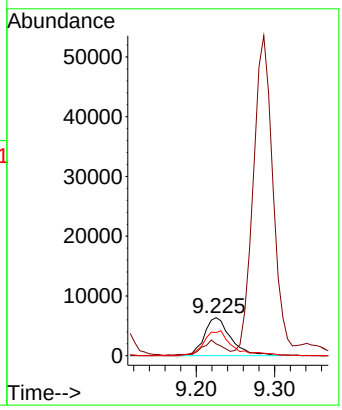


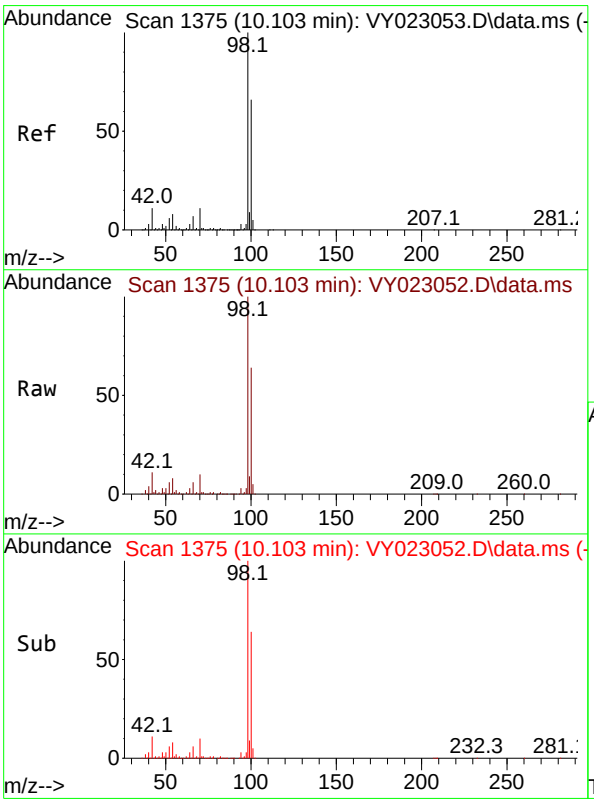
#49
1,4-Dioxane
Concen: 411.480 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 14826

Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.3	36.5
58	71.4	55.4	83.0

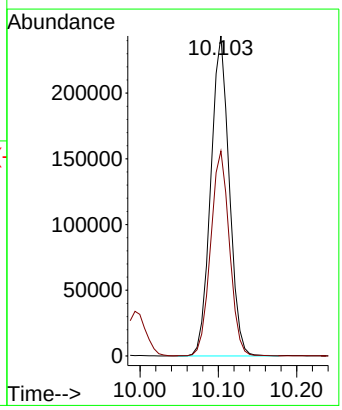


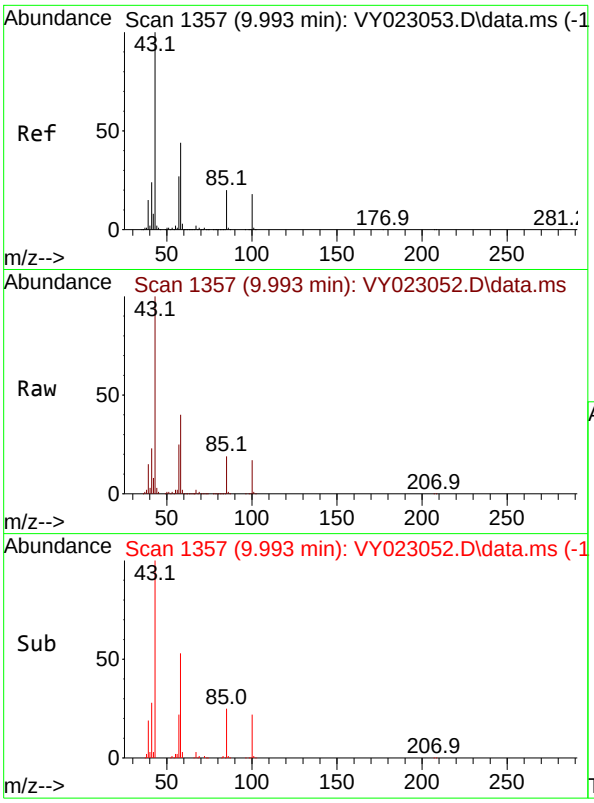


#50
Toluene-d8
Concen: 20.075 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 98 Resp: 398394

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5



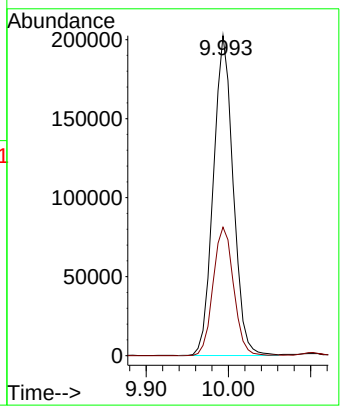


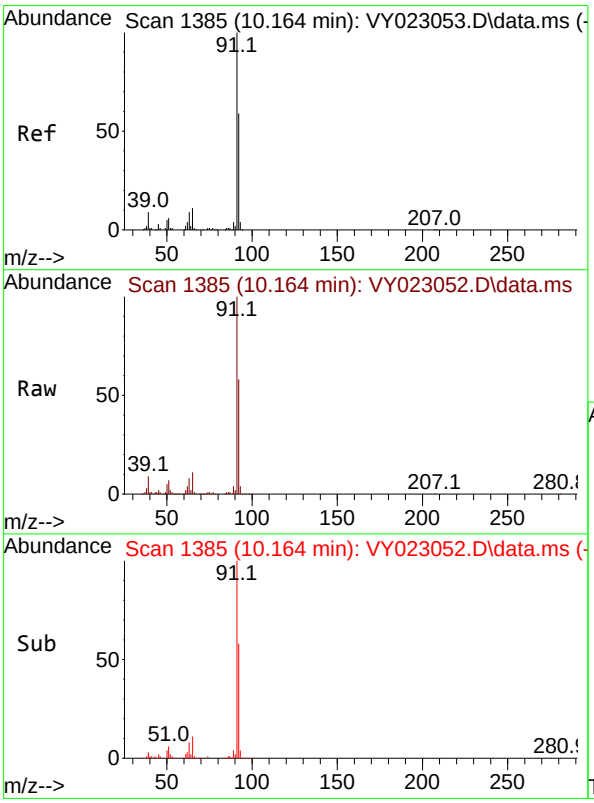
#51
4-Methyl-2-Pentanone
Concen: 102.622 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 339298

Ion	Ratio	Lower	Upper
43	100		
58	41.6	33.5	50.3

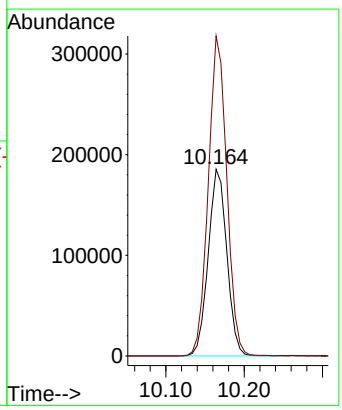


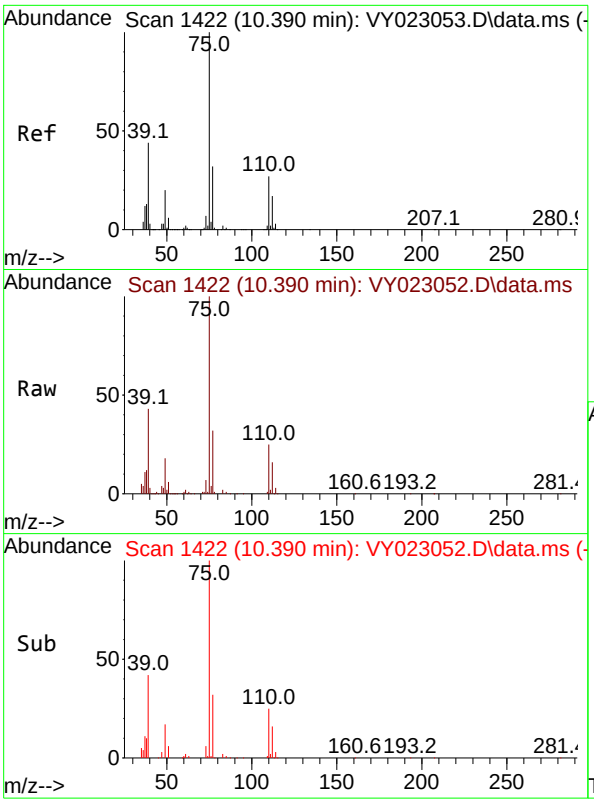


#52
Toluene
Concen: 20.719 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 92 Resp: 306193

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.4	204.6



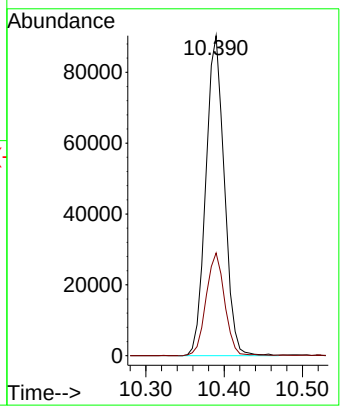


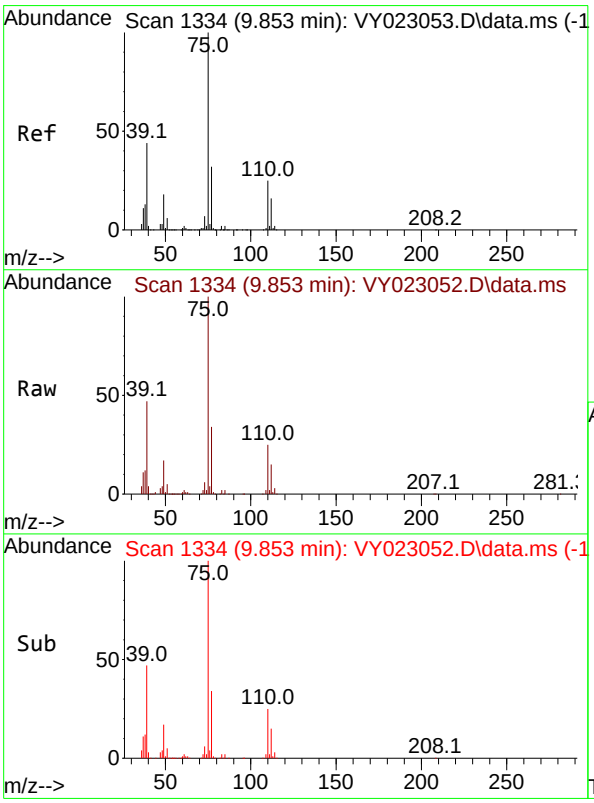
#53
t-1,3-Dichloropropene
Concen: 20.627 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 147696

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

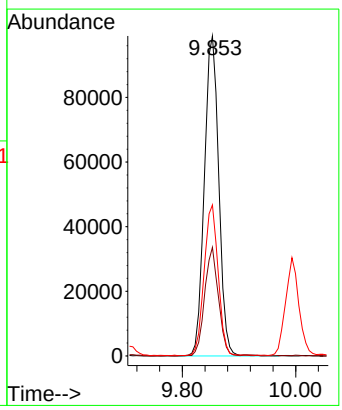


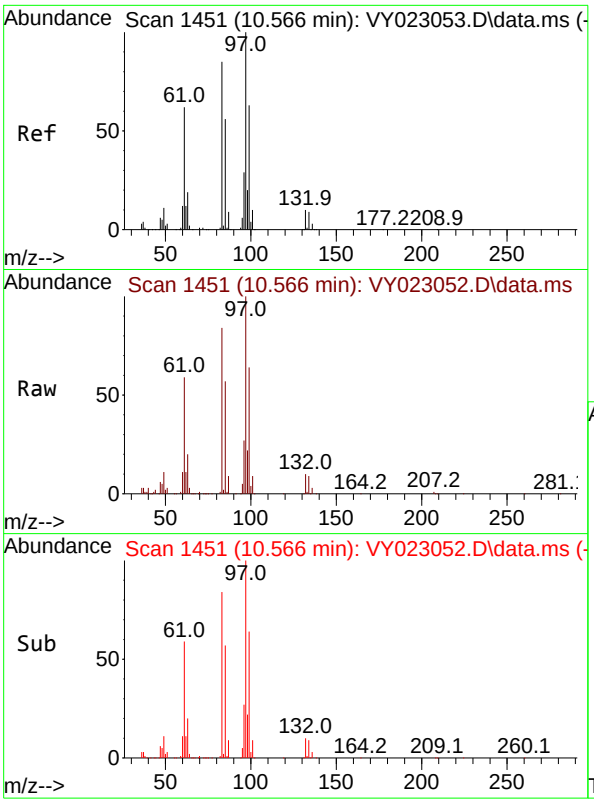


#54
cis-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 174243

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0
39	47.1	35.6	53.4



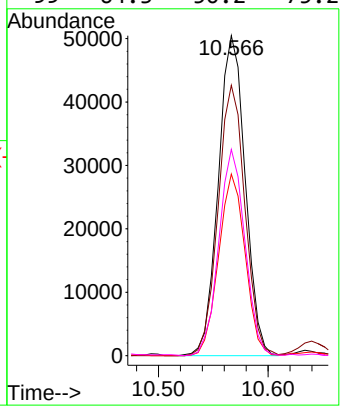


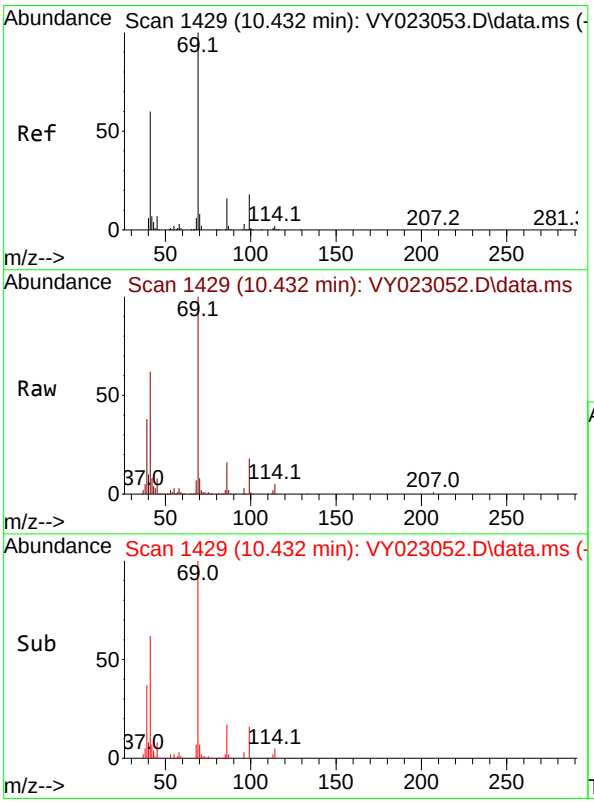
#55
1,1,2-Trichloroethane
Concen: 20.920 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 86022

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	56.7	44.5	66.7
99	64.3	50.2	75.2

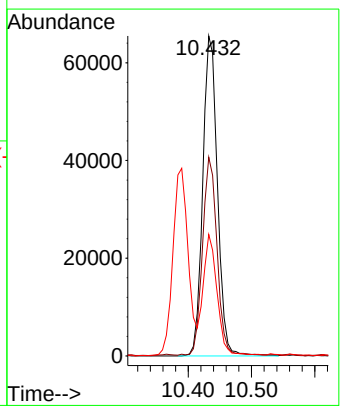


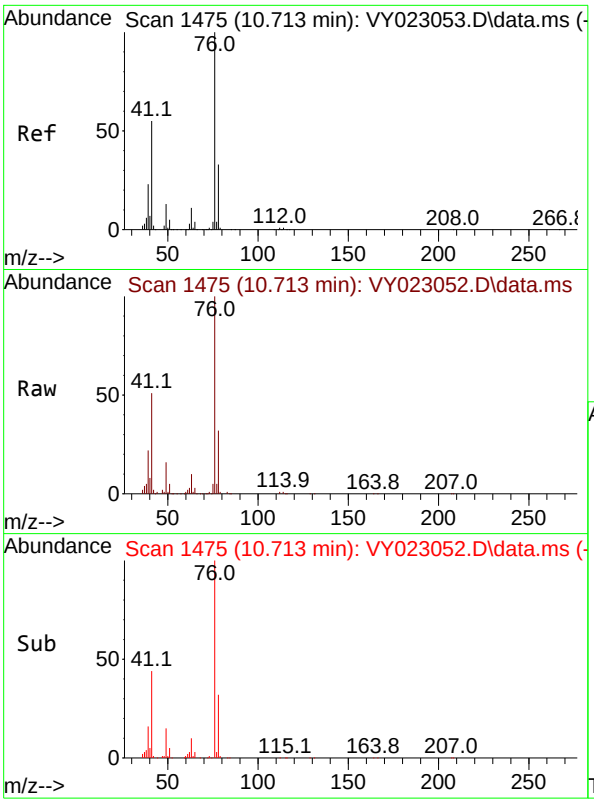


#56
Ethyl methacrylate
Concen: 20.111 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 69 Resp: 105816

Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.6	72.8
39	34.7	27.0	40.4



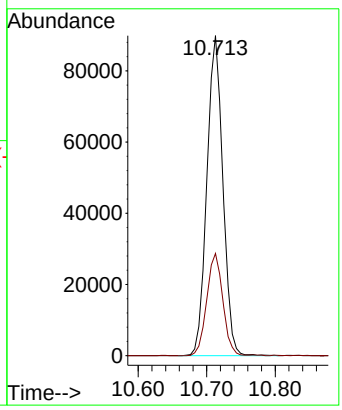


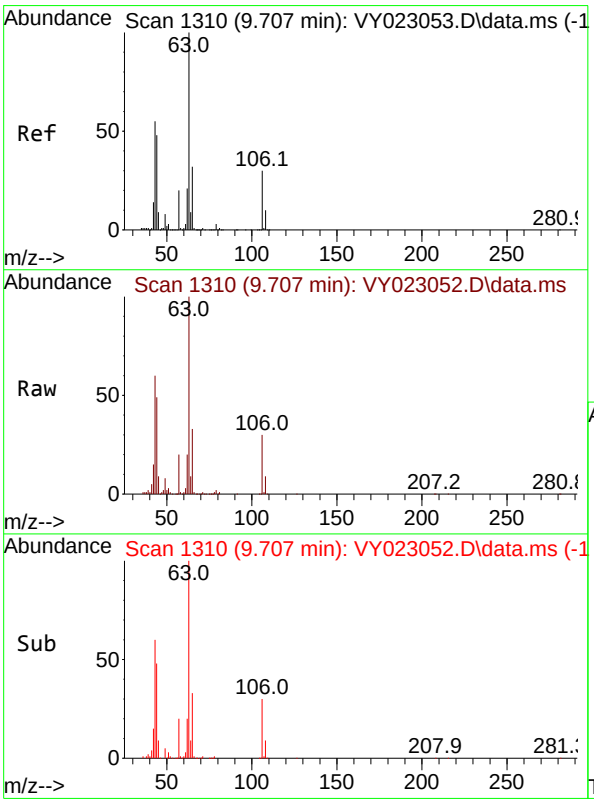
#57
1,3-Dichloropropane
Concen: 20.882 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 145621

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

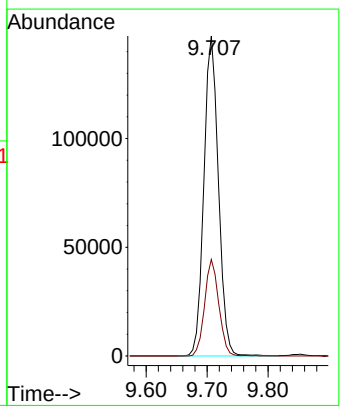


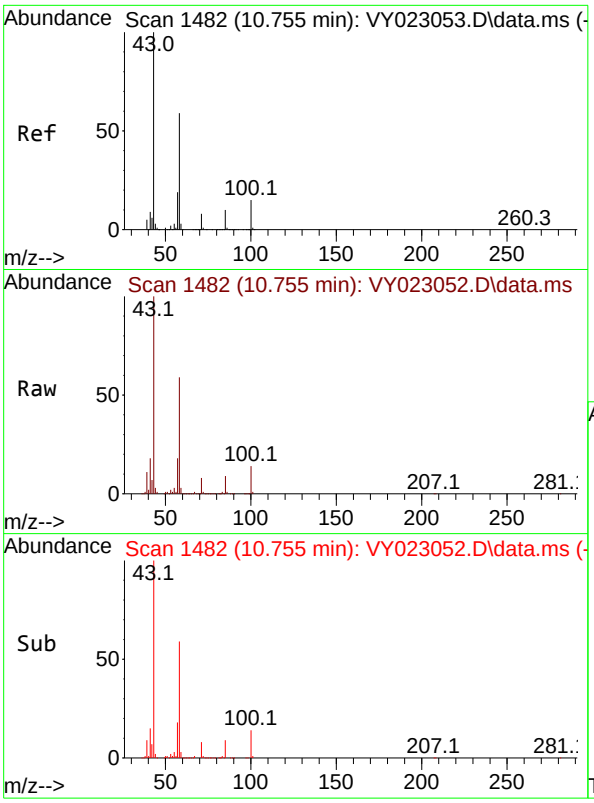


#58
2-Chloroethyl Vinyl ether
Concen: 98.450 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 244340

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.2	34.8



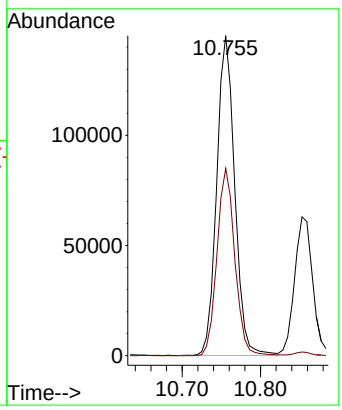


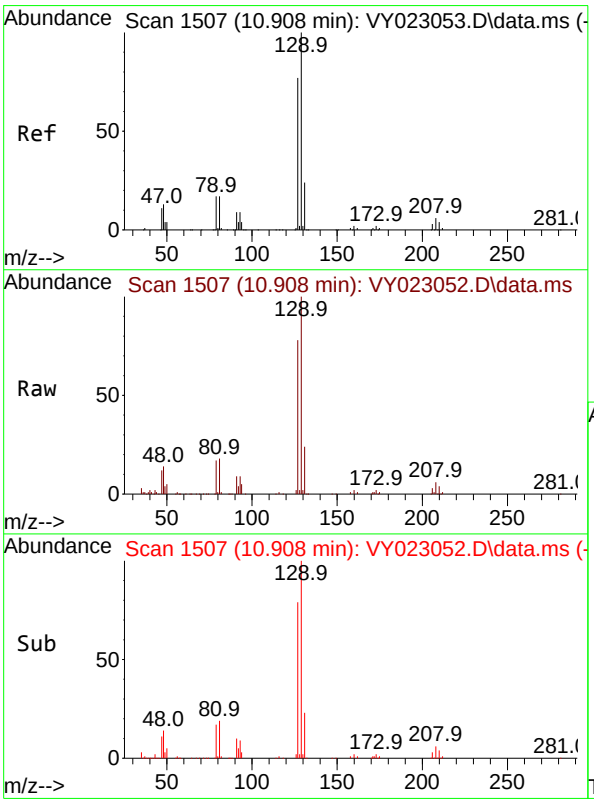
#59
2-Hexanone
Concen: 102.992 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 231872

Ion	Ratio	Lower	Upper
43	100		
58	58.1	29.5	88.5

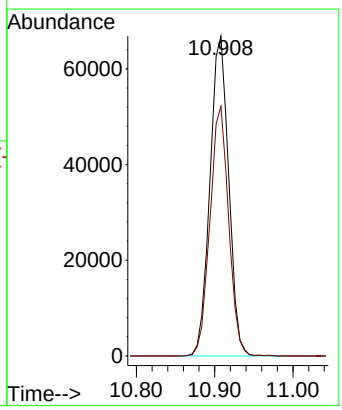


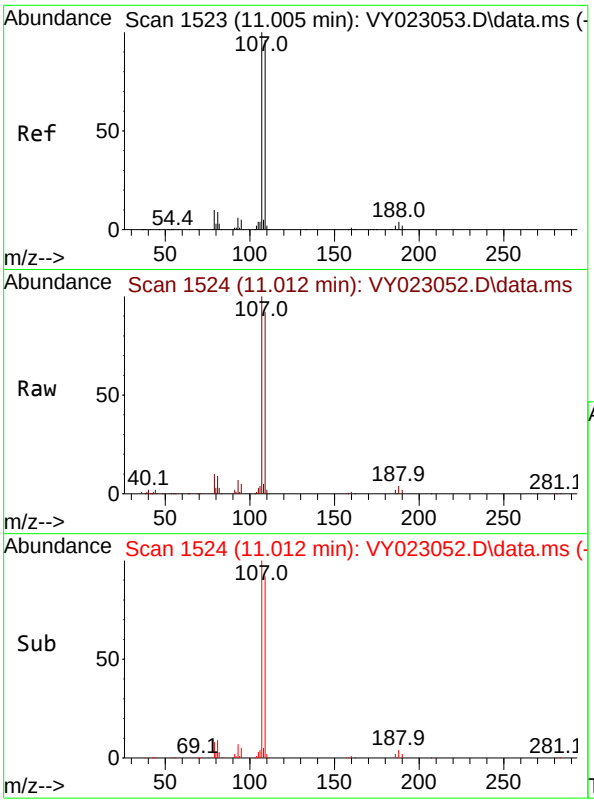


#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:129 Resp: 110810

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



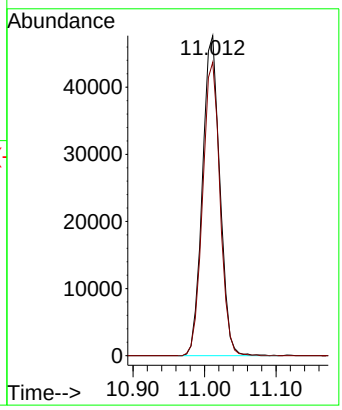


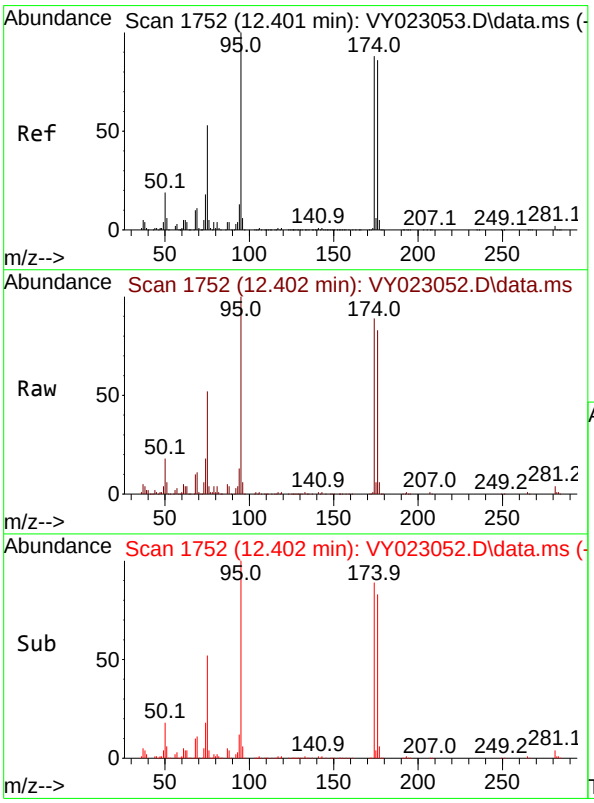
#61
1,2-Dibromoethane
Concen: 20.842 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 80549

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.6	113.4

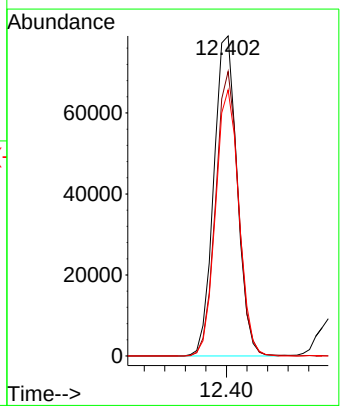


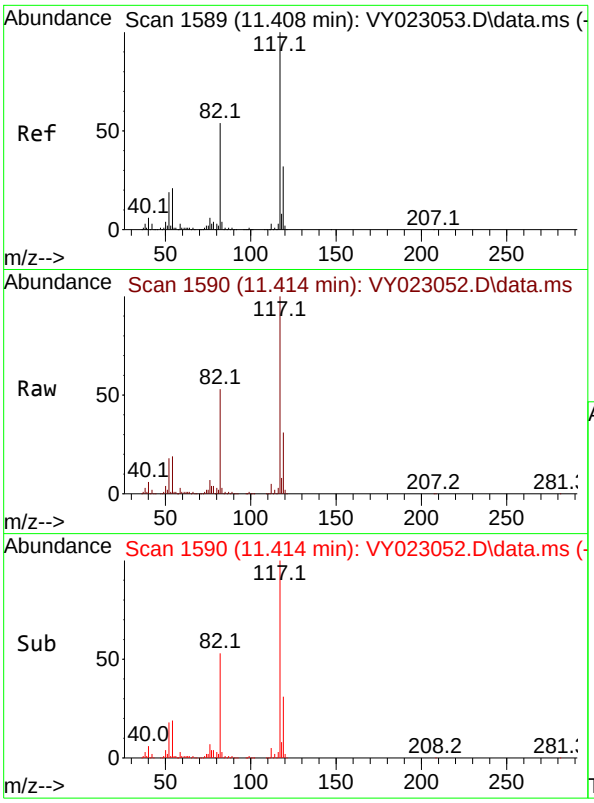


#62
4-Bromofluorobenzene
Concen: 19.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 95 Resp: 124467

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	171.6
176	83.3	0.0	167.6



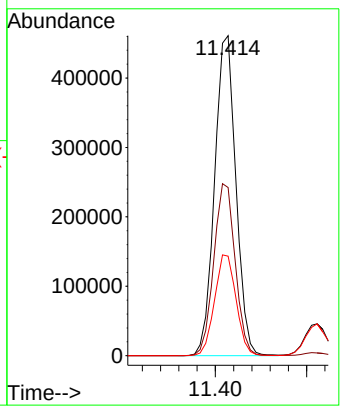


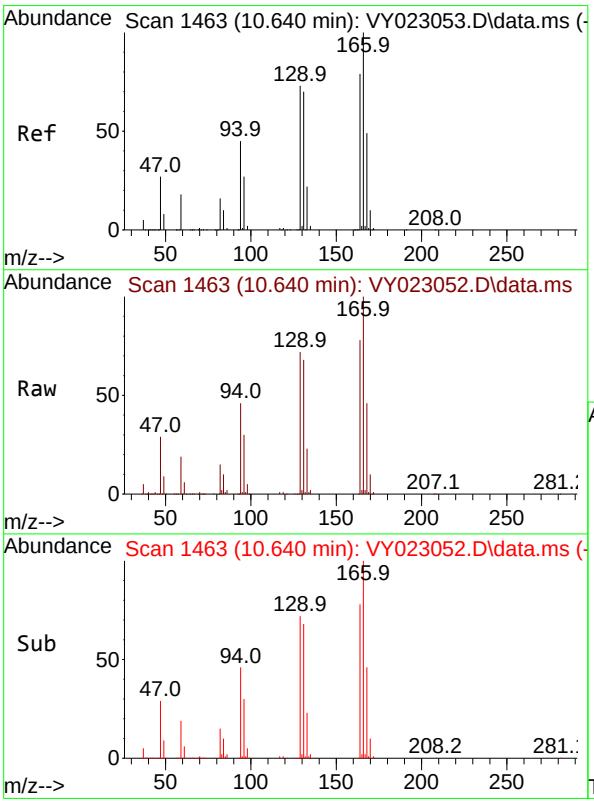
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 745484

Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.4	65.0
119	31.1	25.6	38.4

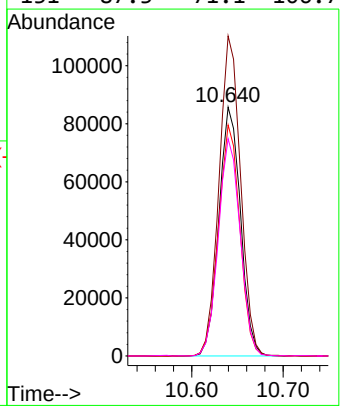


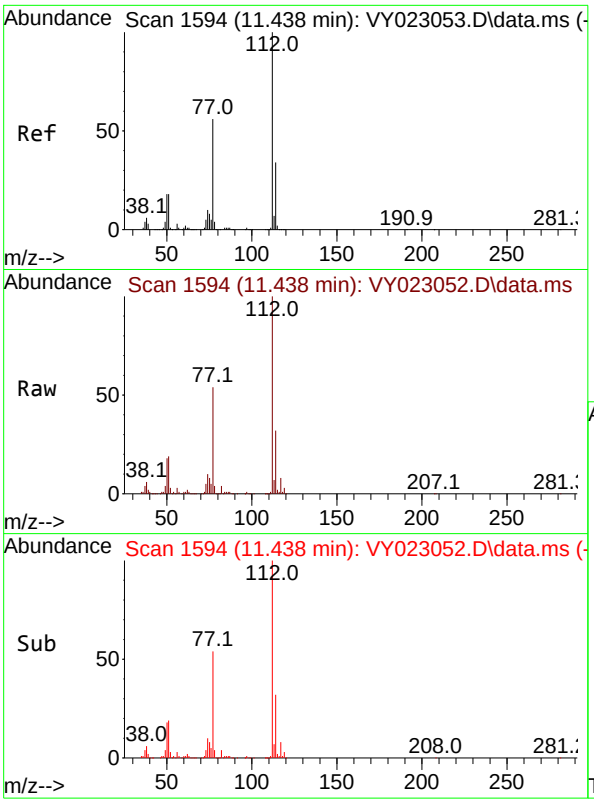


#64
Tetrachloroethene
Concen: 21.273 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:164 Resp: 141609

Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.1	151.7
129	92.9	74.0	111.0
131	87.3	71.1	106.7



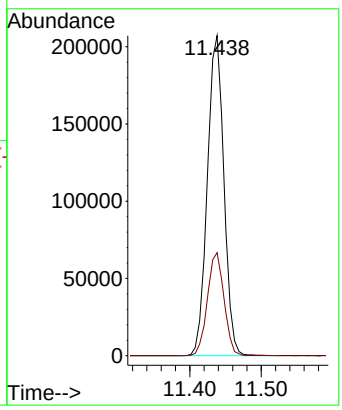


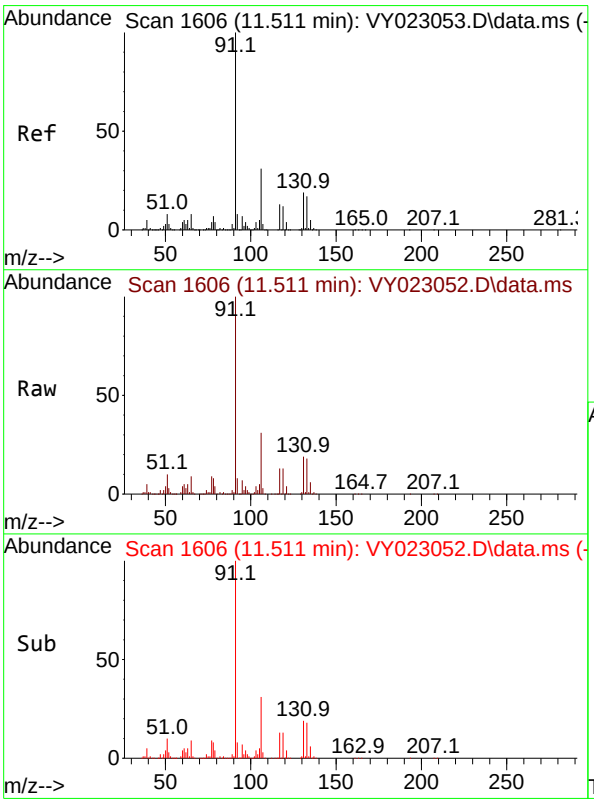
#65
Chlorobenzene
Concen: 20.690 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 332700

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4

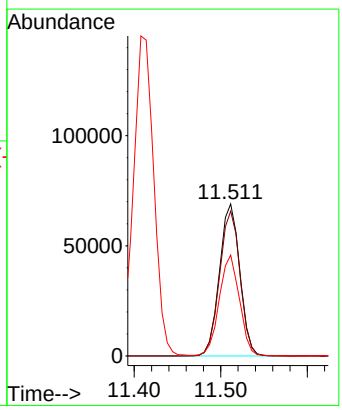


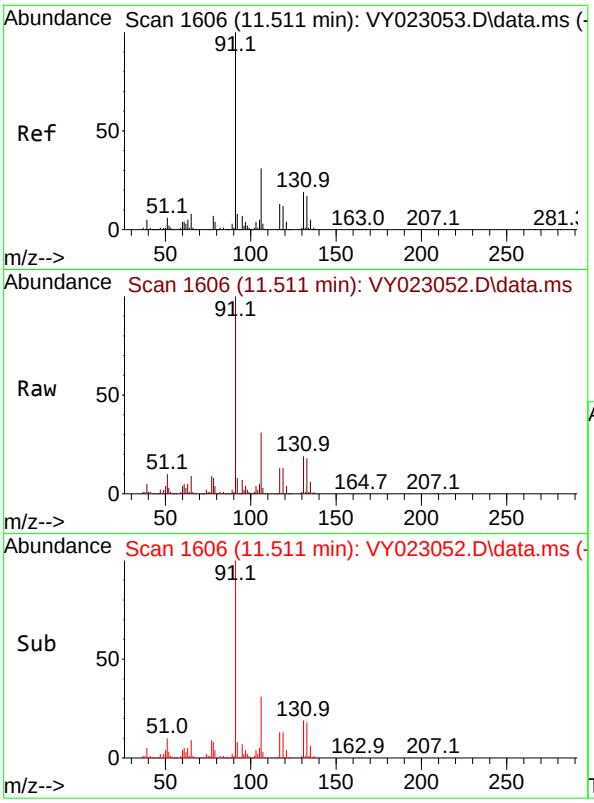


#66
1,1,1,2-Tetrachloroethane
Concen: 20.647 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:131 Resp: 112677

Ion	Ratio	Lower	Upper
131	100		
133	95.8	46.9	140.6
119	66.2	33.2	99.6



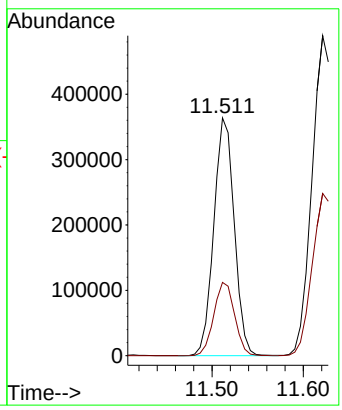


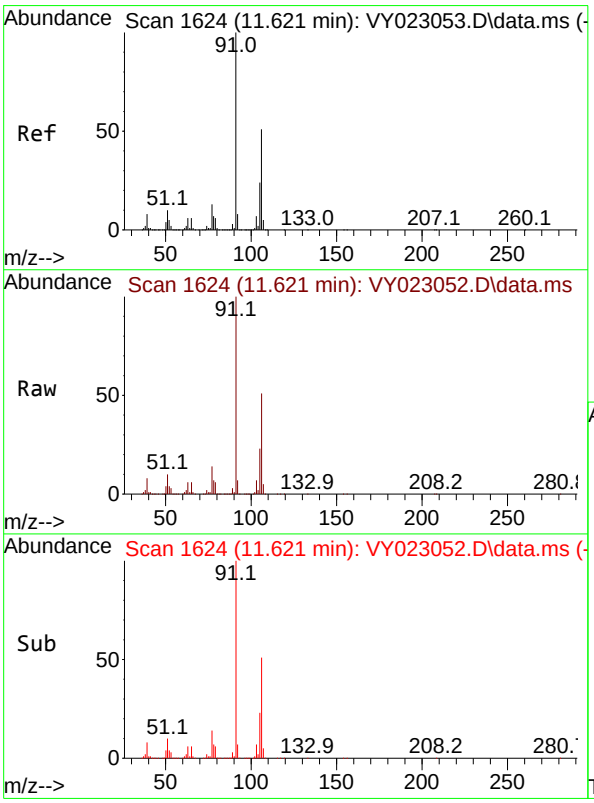
#67
Ethyl Benzene
Concen: 20.412 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 564855

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4

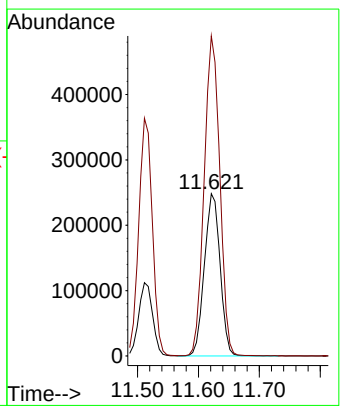


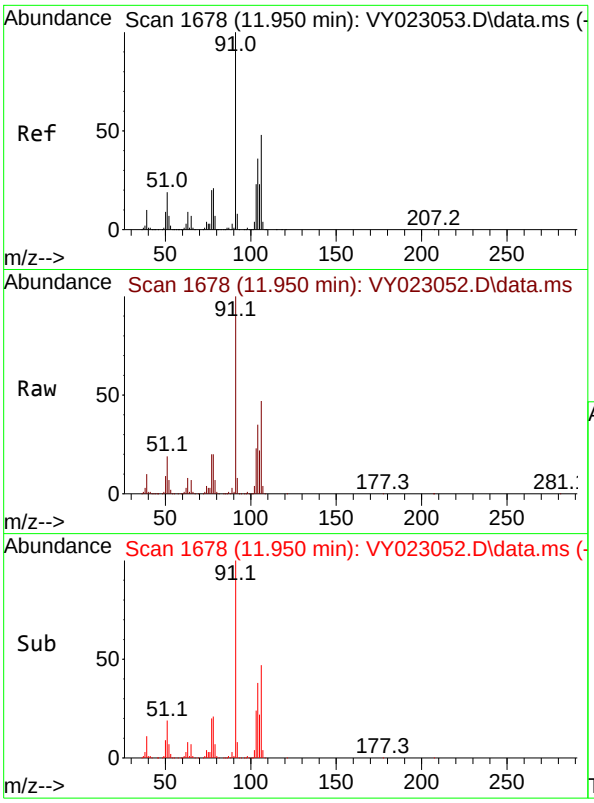


#68
m/p-Xylenes
Concen: 41.115 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:106 Resp: 444361

Ion	Ratio	Lower	Upper
106	100		
91	195.9	158.6	238.0



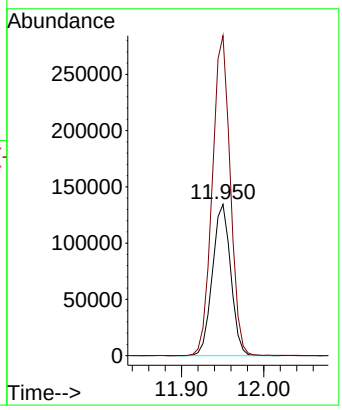


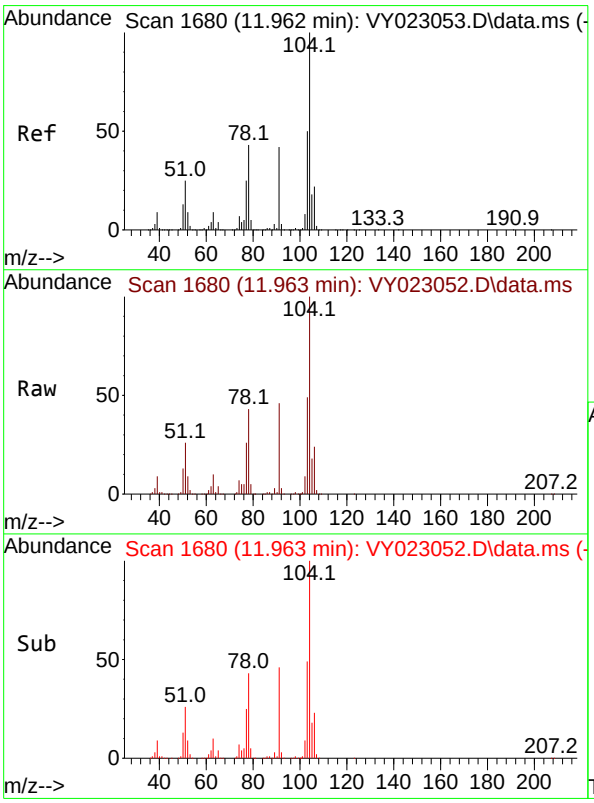
#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 207639

Ion	Ratio	Lower	Upper
106	100		
91	208.2	103.2	309.4

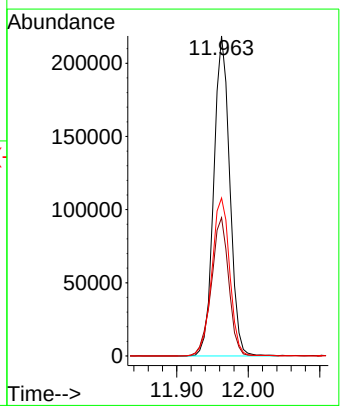


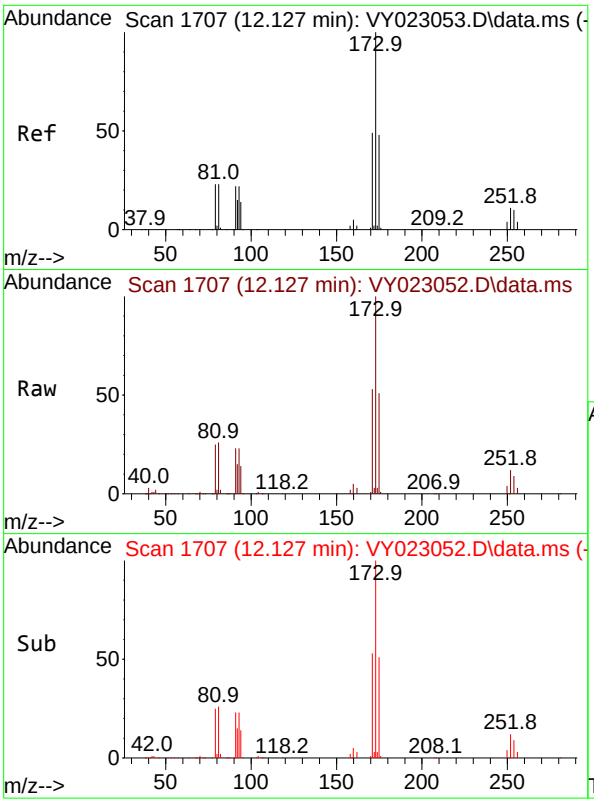


#70
Styrene
Concen: 20.532 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:104 Resp: 339891

Ion	Ratio	Lower	Upper
104	100		
78	47.0	38.5	57.7
103	54.9	43.7	65.5



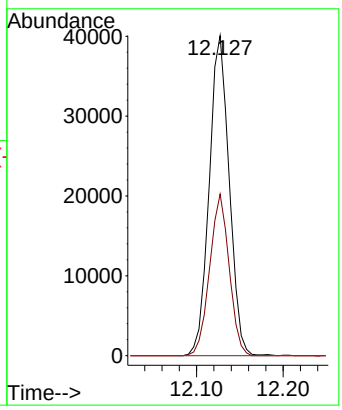


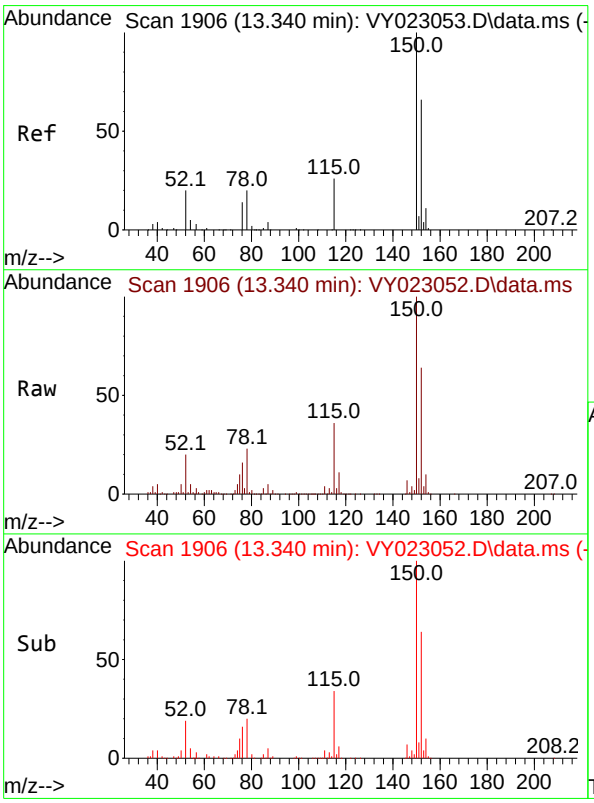
#71
Bromoform
Concen: 20.151 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 64275

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.9	71.7
254	0.0	0.1	0.1#

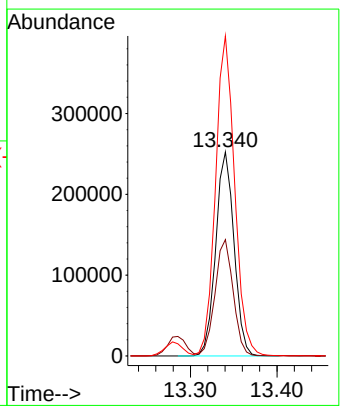


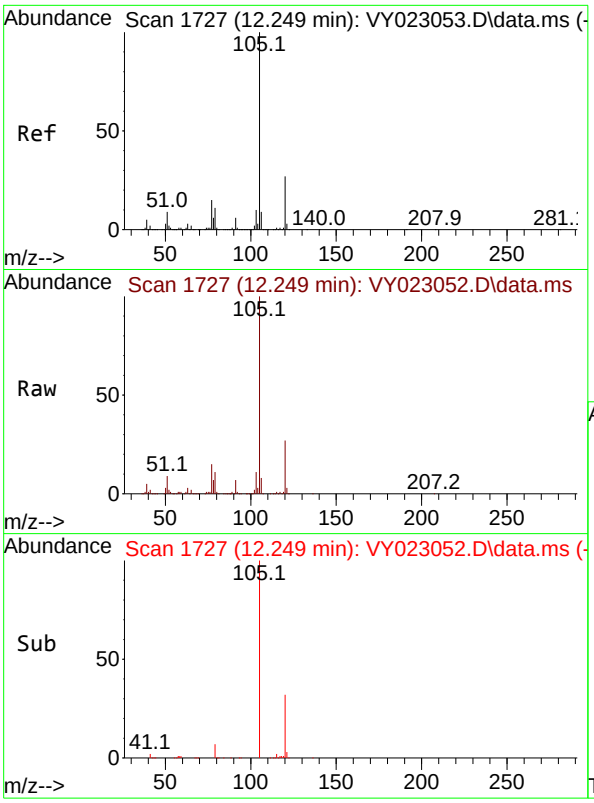


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:152 Resp: 370932

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	163.6	0.0	348.0



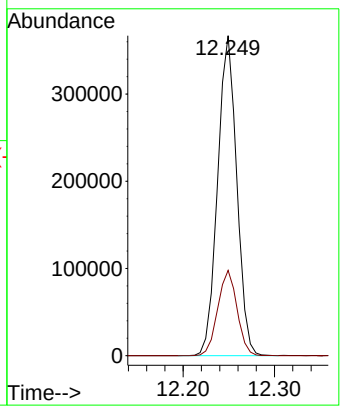


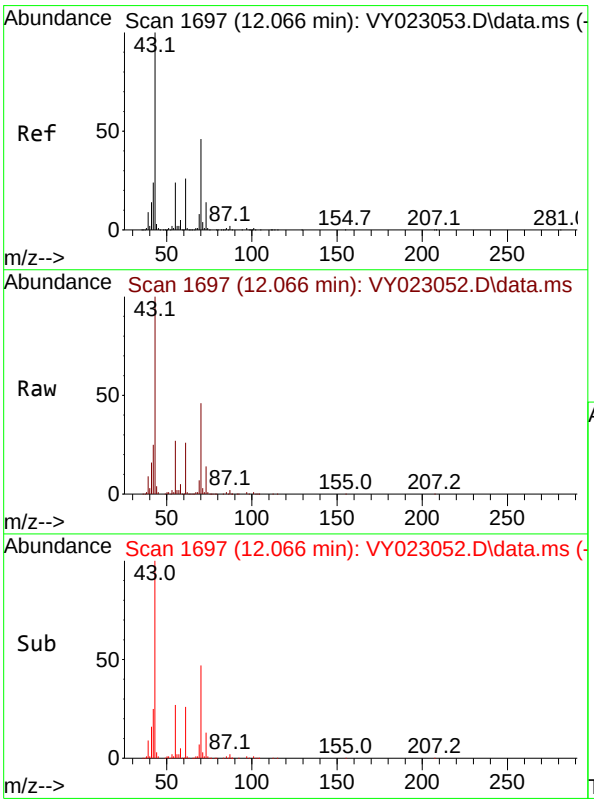
#73
Isopropylbenzene
Concen: 20.413 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 534421

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

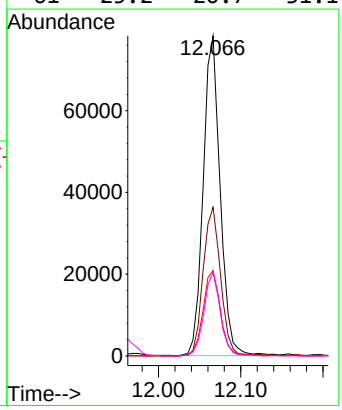


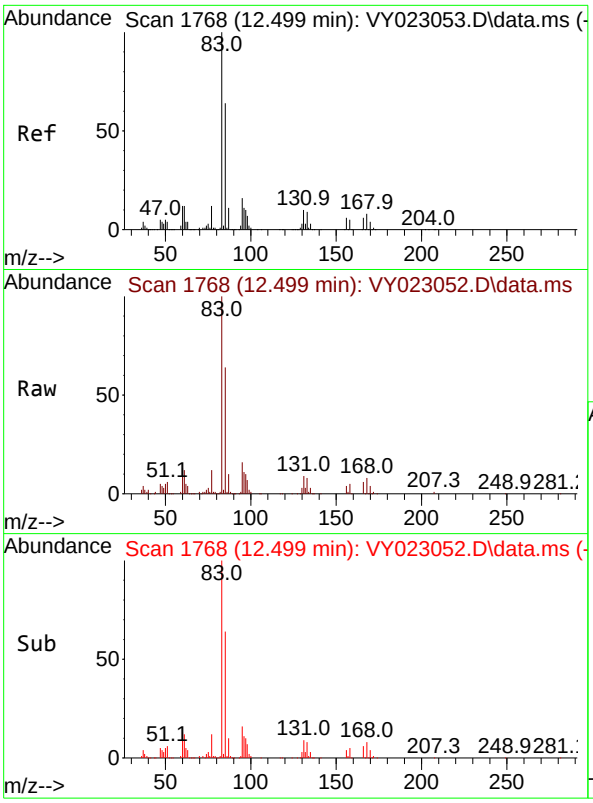


#74
N-amyl acetate
Concen: 20.227 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 112297

Ion	Ratio	Lower	Upper
43	100		
70	48.1	37.5	56.3
55	27.7	20.7	31.1
61	25.2	20.7	31.1



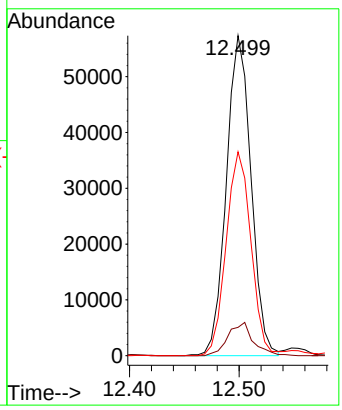


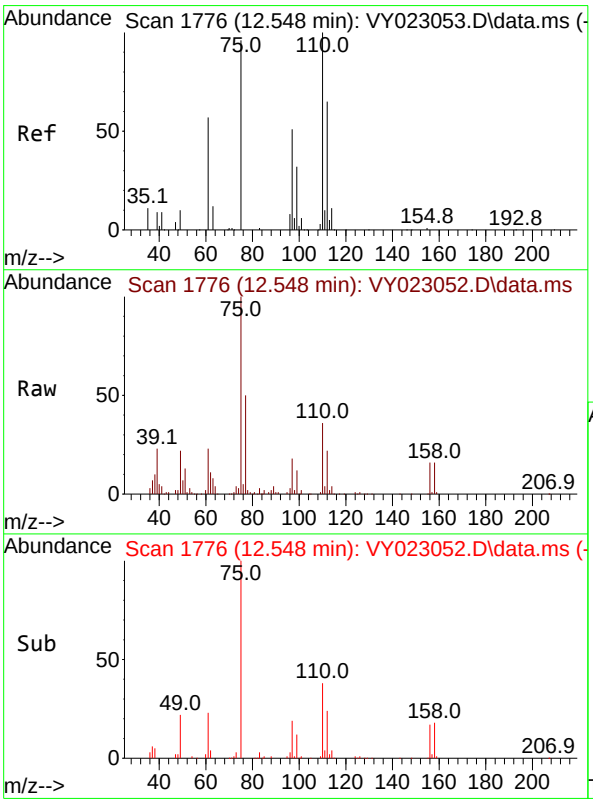
#75
1,1,2,2-Tetrachloroethane
Concen: 20.085 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 89782

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.8	31.8	95.3

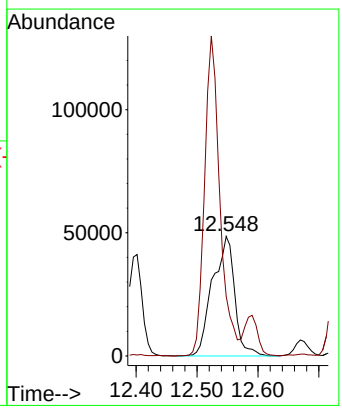


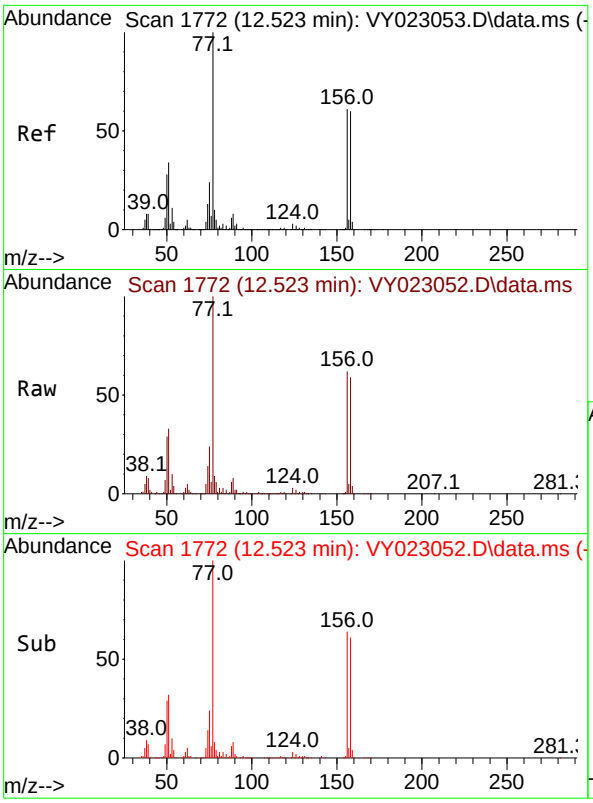


#76
1,2,3-Trichloropropane
Concen: 34.195 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 122494

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



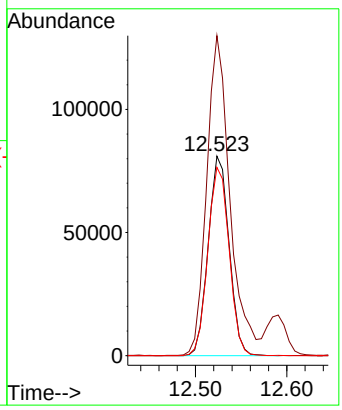


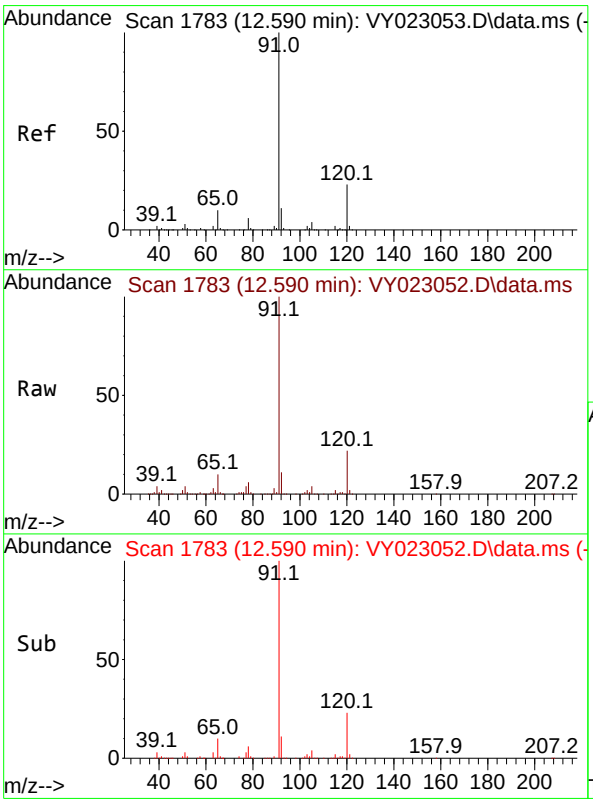
#77
Bromobenzene
Concen: 20.574 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 128501

Ion	Ratio	Lower	Upper
156	100		
77	177.5	88.1	264.4
158	96.2	48.0	144.0

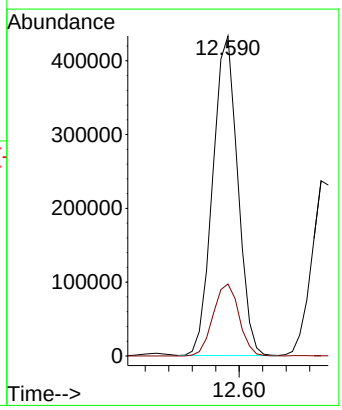


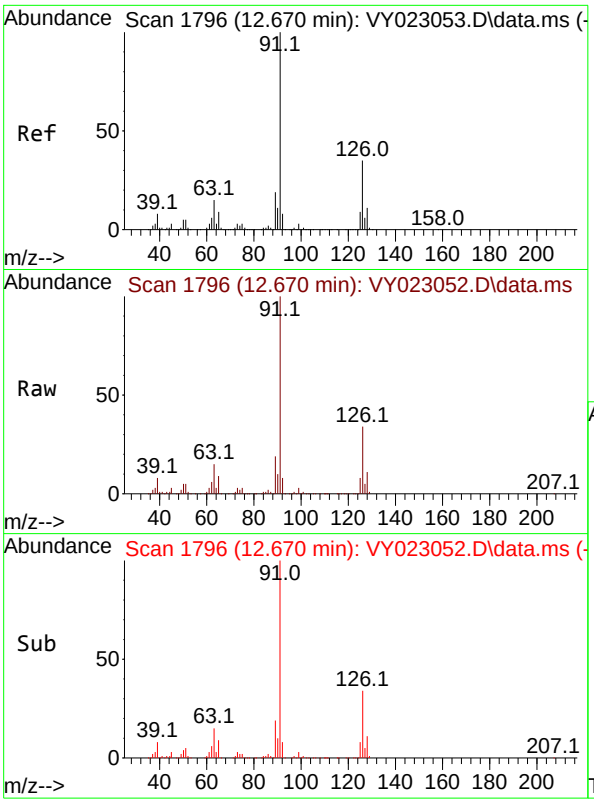


#78
n-propylbenzene
Concen: 20.550 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 640528

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5



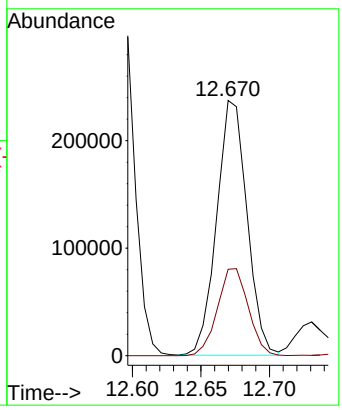


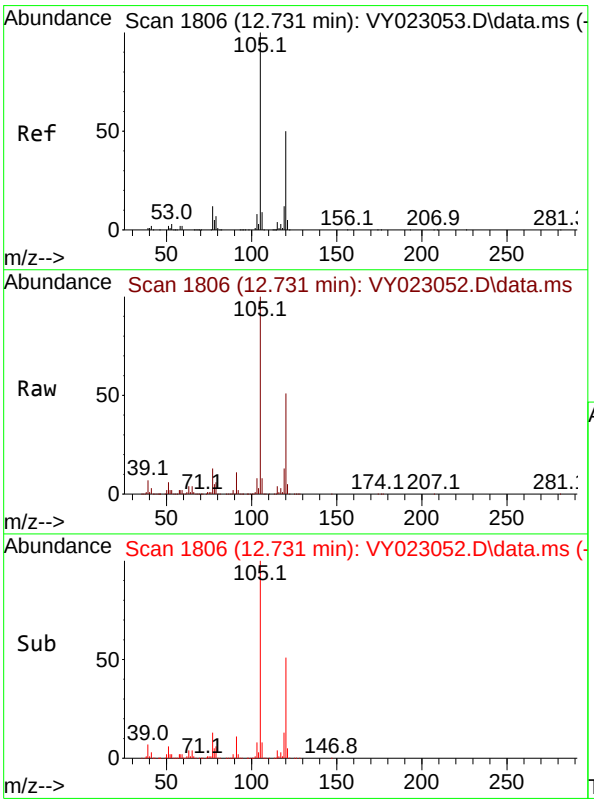
#79
2-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 365577

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3

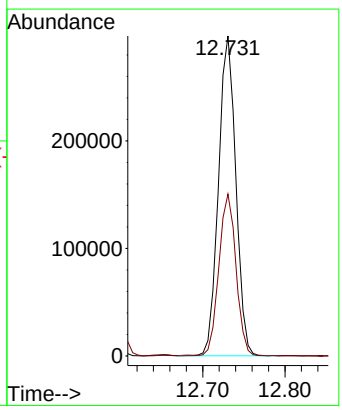


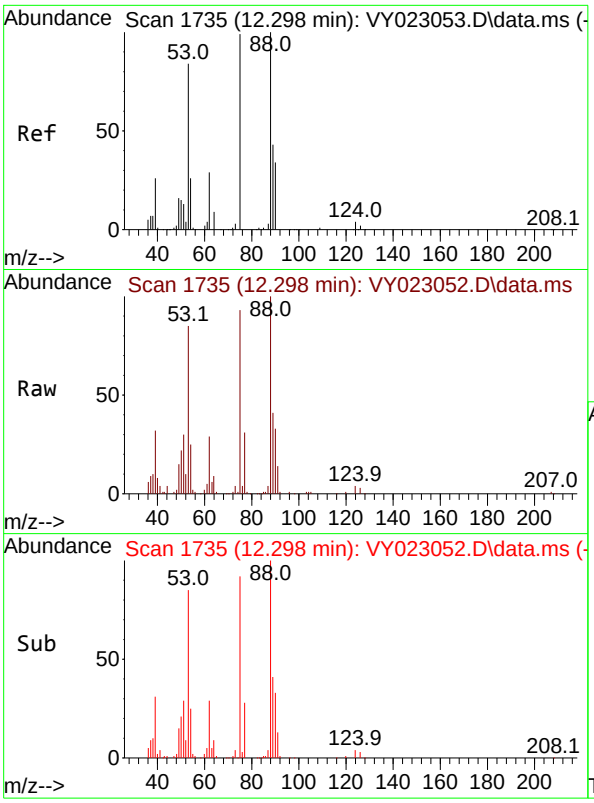


#80
1,3,5-Trimethylbenzene
Concen: 20.563 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 435074

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.8	74.4



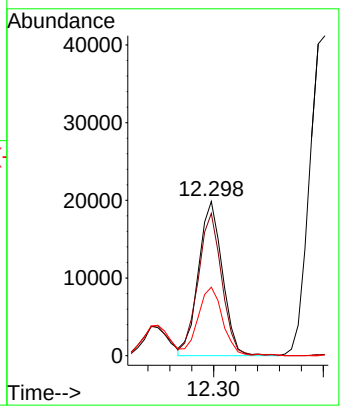


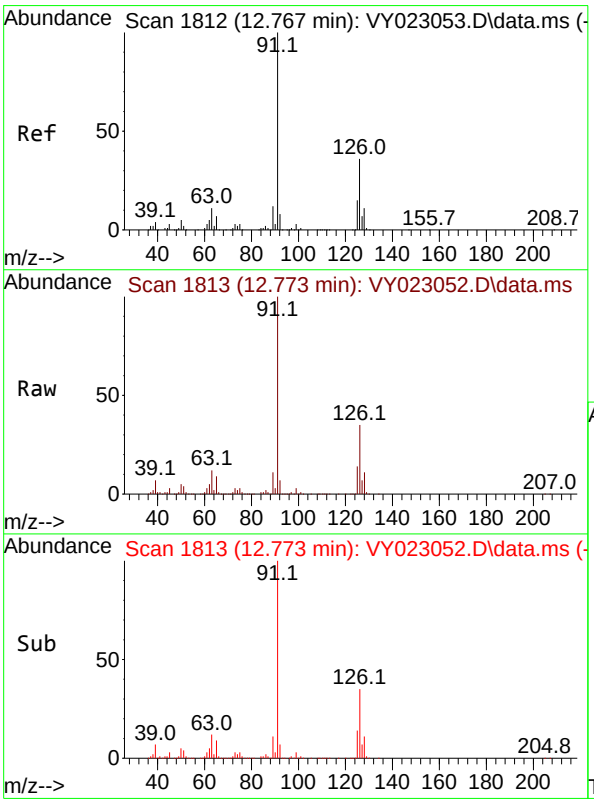
#81
trans-1,4-Dichloro-2-butene
Concen: 20.389 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30153

Ion	Ratio	Lower	Upper
75	100		
53	91.7	70.8	106.2
89	46.2	38.1	57.1

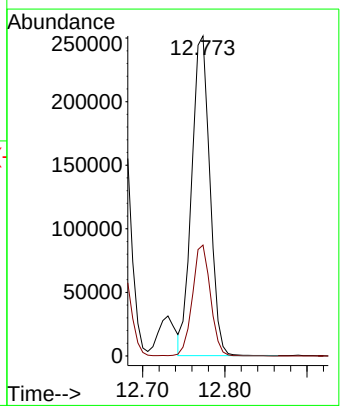


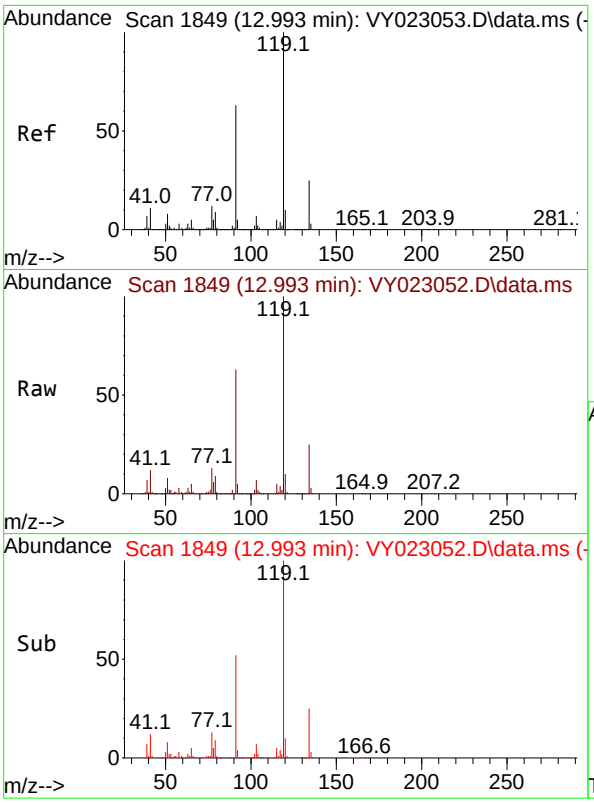


#82
4-Chlorotoluene
Concen: 20.822 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 385755

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0



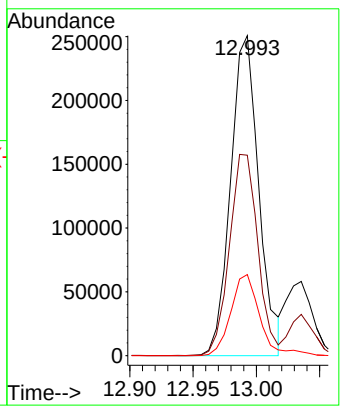


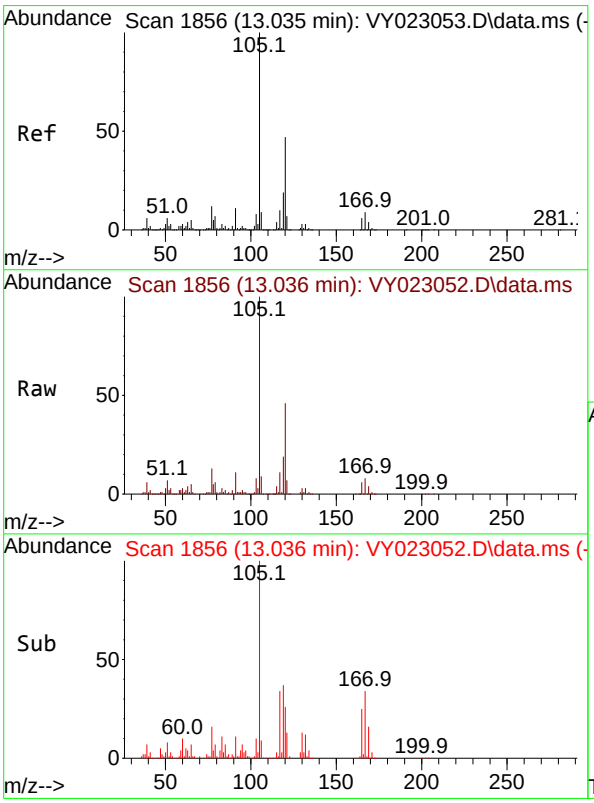
#83
tert-Butylbenzene
Concen: 20.389 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 389621

Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	94.8
134	26.1	12.9	38.7

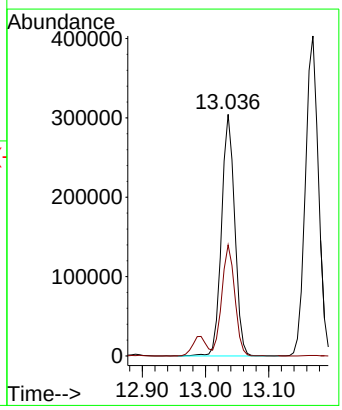


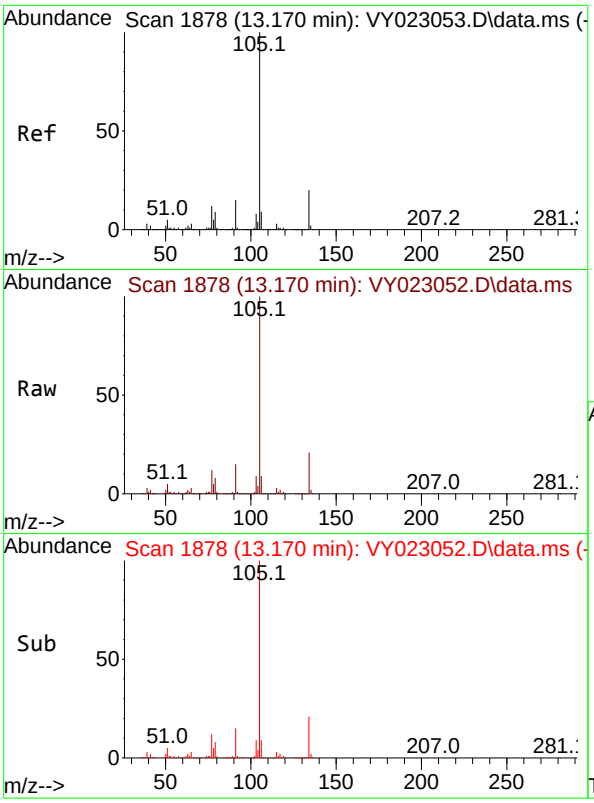


#84
1,2,4-Trimethylbenzene
Concen: 20.814 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 438392

Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.0	69.0



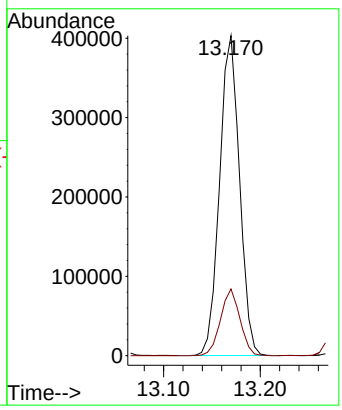


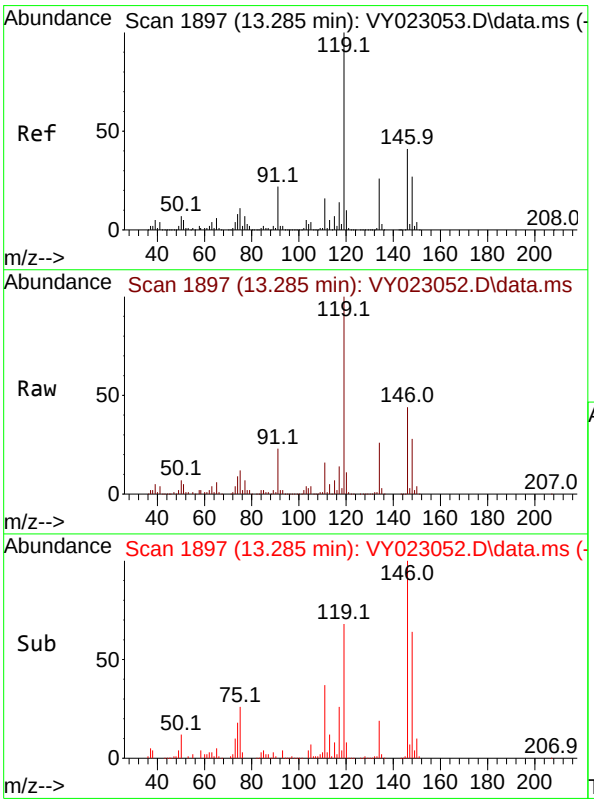
#85
sec-Butylbenzene
Concen: 20.512 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 575804

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

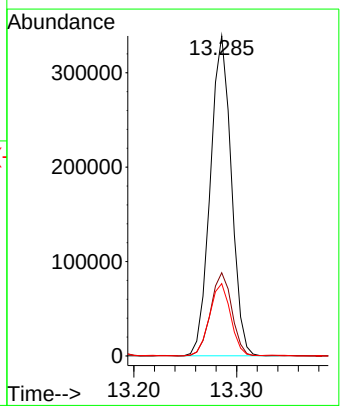


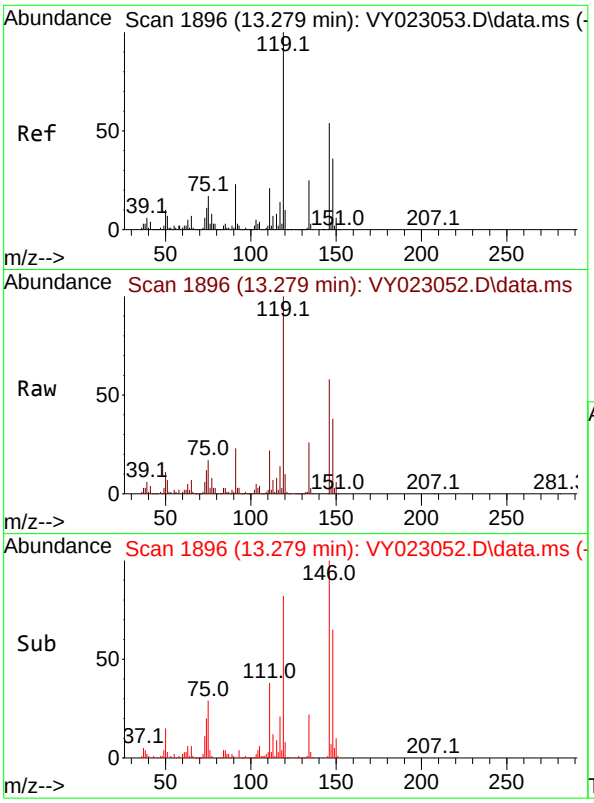


#86
p-Isopropyltoluene
Concen: 20.640 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:119 Resp: 480937

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	22.6	11.3	33.8



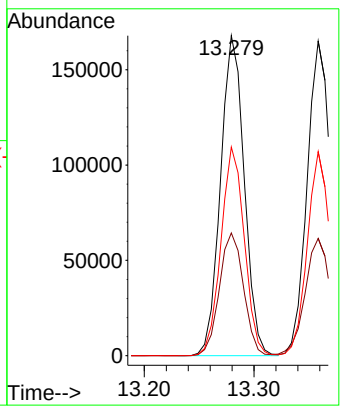


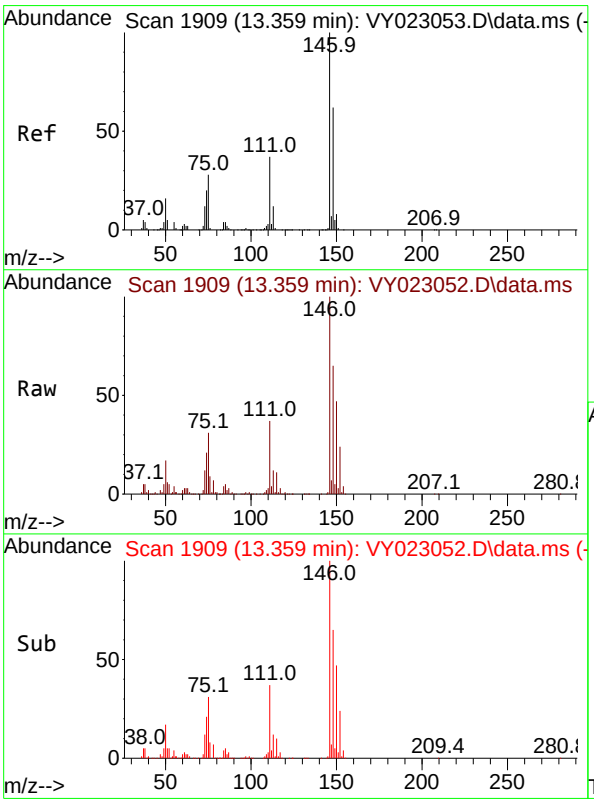
#87
1,3-Dichlorobenzene
Concen: 20.497 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 252452

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.3	32.5	97.5

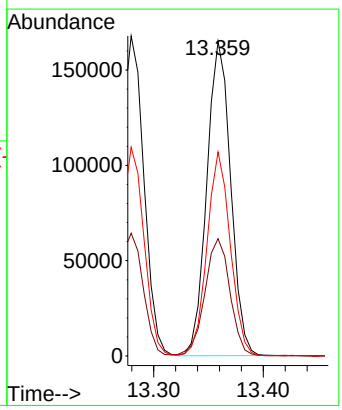


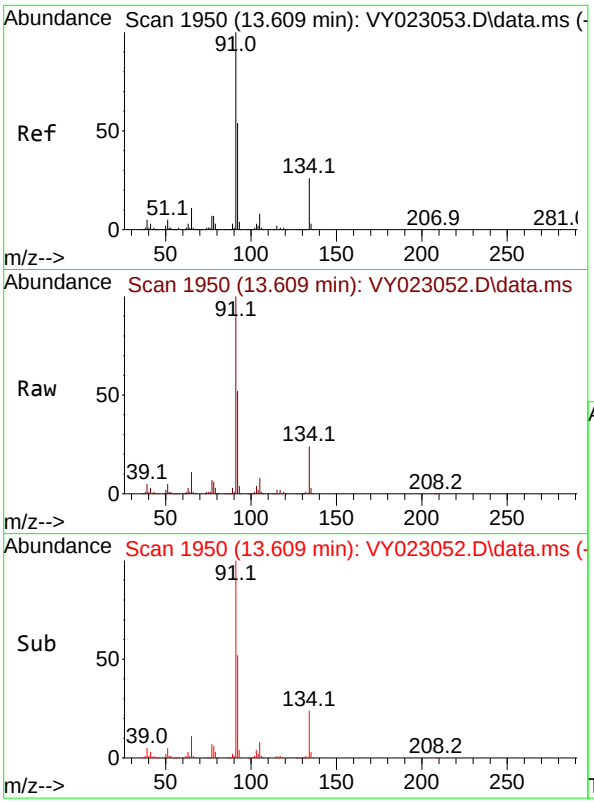


#88
1,4-Dichlorobenzene
Concen: 20.403 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:146 Resp: 249280

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	63.5	31.6	94.7



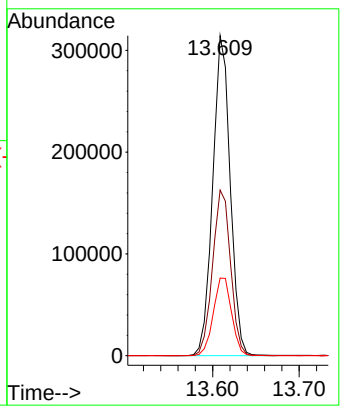


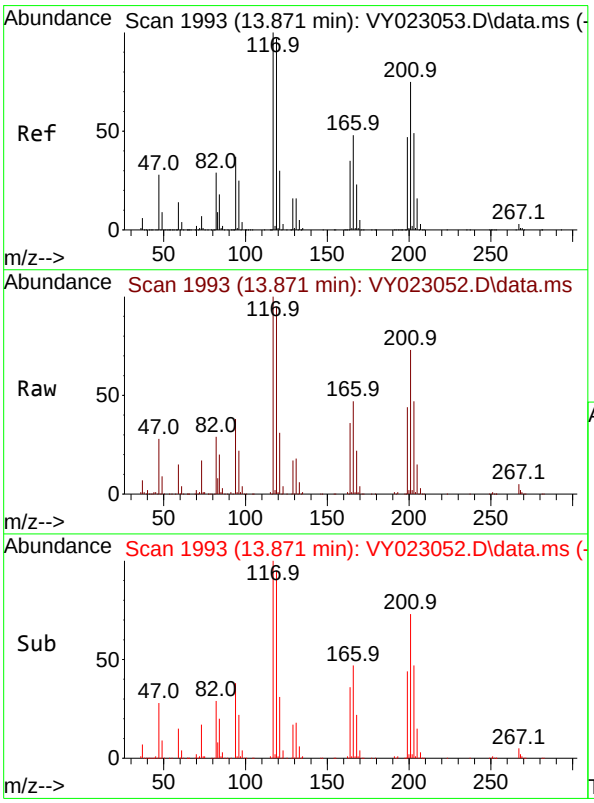
#89
n-Butylbenzene
Concen: 20.605 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 440963

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	25.4	13.2	39.5

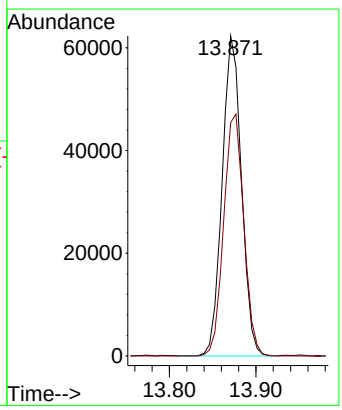


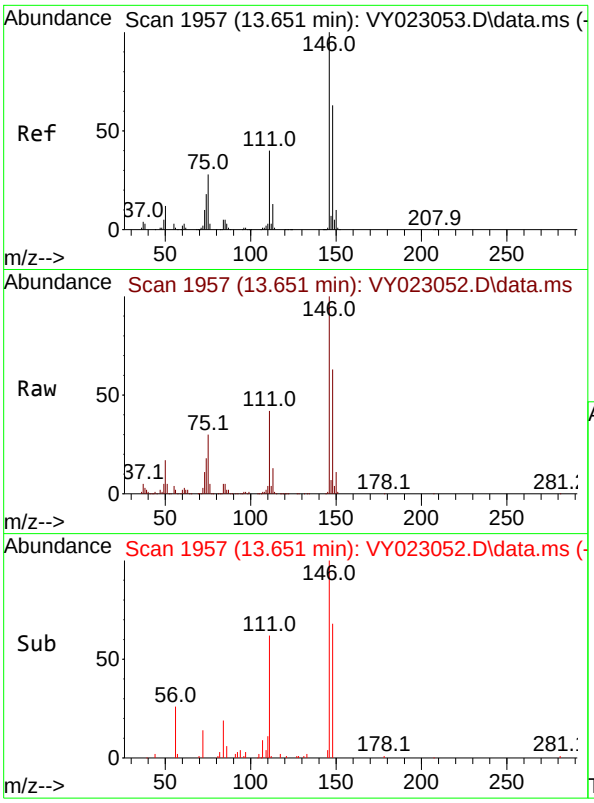


#90
Hexachloroethane
Concen: 20.226 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:117 Resp: 96478

Ion	Ratio	Lower	Upper
117	100		
201	78.5	38.4	115.1



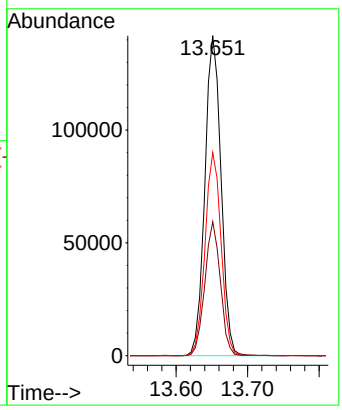


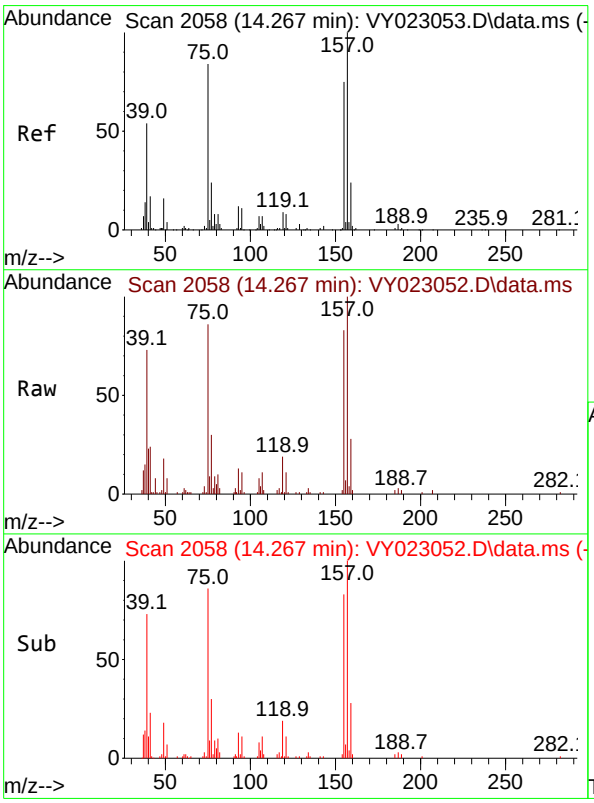
#91
1,2-Dichlorobenzene
Concen: 20.552 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 222000

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	63.2	32.2	96.6

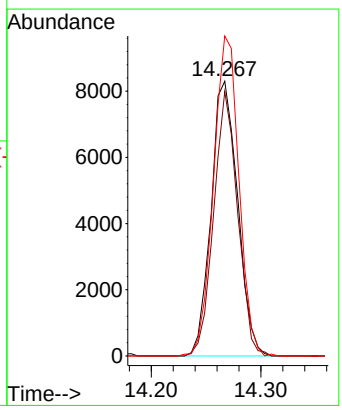


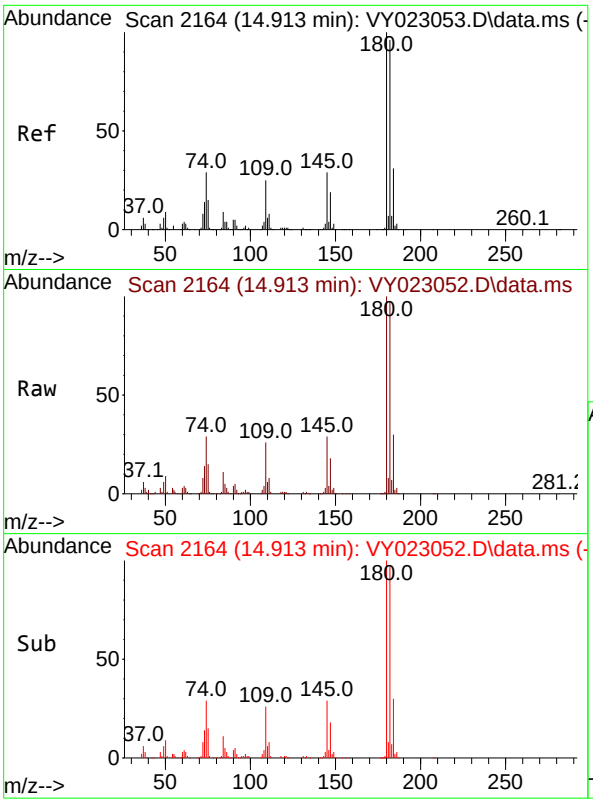


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.076 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 13973

Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.9	131.6
157	111.6	57.2	171.6



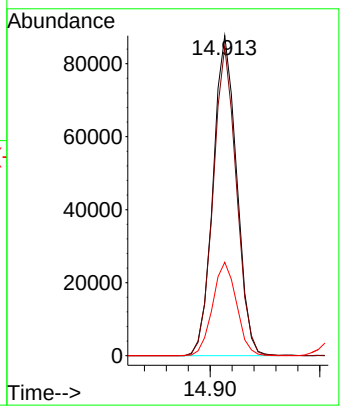


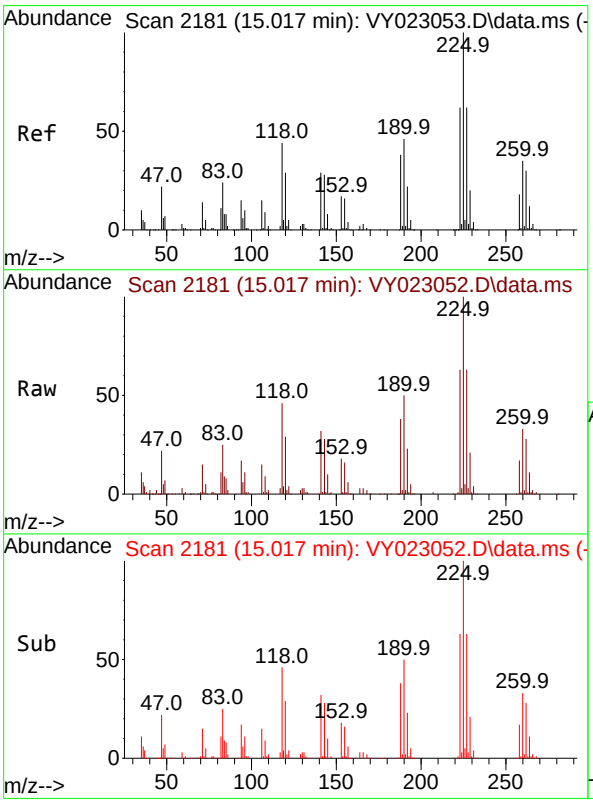
#93
1,2,4-Trichlorobenzene
Concen: 20.464 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 130718

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.4
145	29.6	14.4	43.4

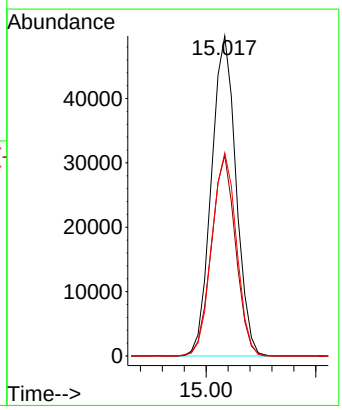


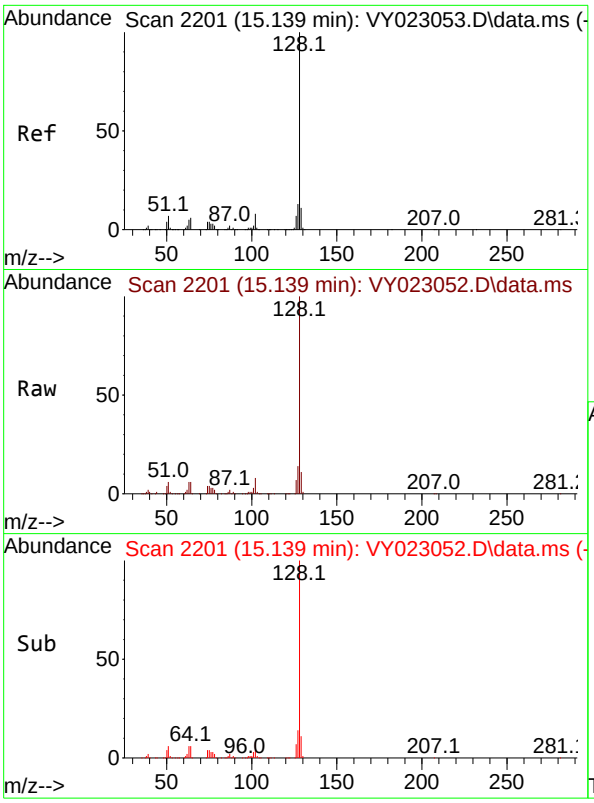


#94
Hexachlorobutadiene
Concen: 20.650 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:225 Resp: 77511

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.8
227	63.6	31.5	94.5



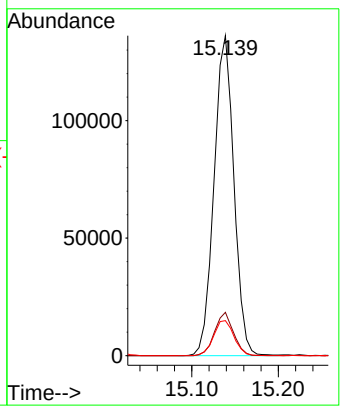


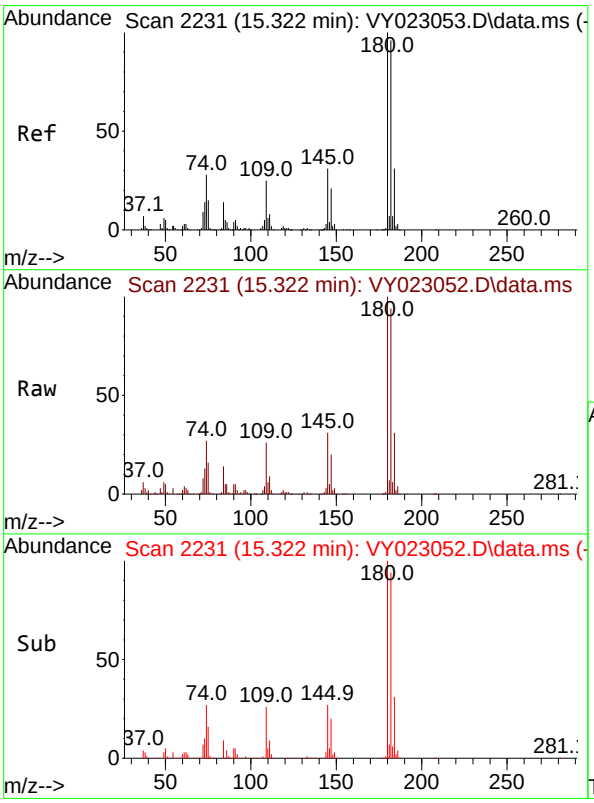
#95
Naphthalene
Concen: 19.915 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 216923

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.4	9.0	13.4

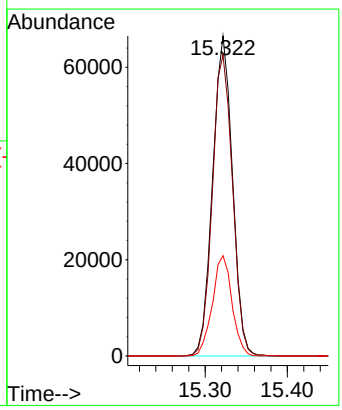




#96
1,2,3-Trichlorobenzene
Concen: 20.258 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:180 Resp: 111506

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	31.0	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	539282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	856556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	751969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	377839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	249044	48.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.900%			
35) Dibromofluoromethane	7.628	113	251193	49.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.020%			
50) Toluene-d8	10.103	98	979082	48.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.401	95	316770	49.194	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	187863	42.677	ug/l	100
3) Chloromethane	2.068	50	327481	45.932	ug/l	100
4) Vinyl Chloride	2.196	62	414609	47.044	ug/l	100
5) Bromomethane	2.592	94	291336	44.263	ug/l	100
6) Chloroethane	2.726	64	277698	47.394	ug/l	100
7) Trichlorofluoromethane	3.049	101	505137	47.136	ug/l	100
8) Diethyl Ether	3.446	74	135373	47.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	249063	47.109	ug/l	100
10) Methyl Iodide	3.994	142	296087	51.899	ug/l	100
11) Tert butyl alcohol	4.860	59	85712	243.383	ug/l	100
12) 1,1-Dichloroethene	3.781	96	249492	48.009	ug/l	100
13) Acrolein	3.647	56	121185	234.966	ug/l	100
14) Allyl chloride	4.378	41	369720	48.350	ug/l	100
15) Acrylonitrile	5.049	53	285675	247.839	ug/l	100
16) Acetone	3.860	43	278510	250.122	ug/l	100
17) Carbon Disulfide	4.098	76	804119	47.456	ug/l	100
18) Methyl Acetate	4.378	43	173642	52.403	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	666514	49.495	ug/l	100
20) Methylene Chloride	4.604	84	275004	47.415	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	282272	48.334	ug/l	100
22) Diisopropyl ether	6.018	45	815359	49.070	ug/l	100
23) Vinyl Acetate	5.951	43	2268046	246.849	ug/l	100
24) 1,1-Dichloroethane	5.909	63	495073	48.732	ug/l	100
25) 2-Butanone	6.884	43	382711	252.715	ug/l	100
26) 2,2-Dichloropropane	6.884	77	425773	48.571	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	327272	48.474	ug/l	100
28) Bromochloromethane	7.244	49	196667	48.795	ug/l	100
29) Tetrahydrofuran	7.256	42	235169	250.523	ug/l	100
30) Chloroform	7.415	83	508641	48.547	ug/l	100
31) Cyclohexane	7.695	56	440266	45.989	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	451521	48.569	ug/l	100
36) 1,1-Dichloropropene	7.829	75	371204	48.734	ug/l	100
37) Ethyl Acetate	6.982	43	160980	50.311	ug/l	100
38) Carbon Tetrachloride	7.817	117	399463	48.285	ug/l	100
39) Methylcyclohexane	9.103	83	484691	48.321	ug/l	100
40) Benzene	8.073	78	1142910	48.683	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	94123	50.916	ug/l		100
42) 1,2-Dichloroethane	8.152	62	296907	48.627	ug/l		100
43) Isopropyl Acetate	8.195	43	319600	49.419	ug/l		100
44) Trichloroethene	8.859	130	292421	48.199	ug/l		100
45) 1,2-Dichloropropane	9.140	63	264354	48.938	ug/l		100
46) Dibromomethane	9.225	93	152822	49.291	ug/l		100
47) Bromodichloromethane	9.420	83	393523	49.327	ug/l		100
48) Methyl methacrylate	9.213	41	160792	51.958	ug/l		100
49) 1,4-Dioxane	9.225	88	36249	997.124	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	853025	255.710	ug/l		100
52) Toluene	10.164	92	735326	49.315	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	359698	49.790	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	424834	49.731	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	204368	49.261	ug/l		100
56) Ethyl methacrylate	10.432	69	273801	51.576	ug/l		100
57) 1,3-Dichloropropane	10.713	76	346510	49.249	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	663351	264.906	ug/l		100
59) 2-Hexanone	10.755	43	584223	257.194	ug/l		100
60) Dibromochloromethane	10.908	129	272171	49.719	ug/l		100
61) 1,2-Dibromoethane	11.005	107	193398	49.598	ug/l		100
64) Tetrachloroethene	10.640	164	327271	48.740	ug/l		100
65) Chlorobenzene	11.438	112	793490	48.920	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	271839	49.381	ug/l		100
67) Ethyl Benzene	11.511	91	1397704	50.073	ug/l		100
68) m/p-Xylenes	11.621	106	1080401	99.103	ug/l		100
69) o-Xylene	11.950	106	516002	50.536	ug/l		100
70) Styrene	11.962	104	844409	50.569	ug/l		100
71) Bromoform	12.127	173	160769	49.969	ug/l	#	100
73) Isopropylbenzene	12.249	105	1324313	49.660	ug/l		100
74) N-amyl acetate	12.066	43	289914	51.264	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	220853	48.503	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	303093	83.064	ug/l	#	100
77) Bromobenzene	12.523	156	312706	49.152	ug/l		100
78) n-propylbenzene	12.590	91	1593368	50.186	ug/l		100
79) 2-Chlorotoluene	12.670	91	899967	49.473	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1080333	50.126	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	74567	49.500	ug/l		100
82) 4-Chlorotoluene	12.767	91	930329	49.299	ug/l		100
83) tert-Butylbenzene	12.993	119	978031	50.244	ug/l		100
84) 1,2,4-Trimethylbenzene	13.035	105	1071926	49.963	ug/l		100
85) sec-Butylbenzene	13.170	105	1425553	49.854	ug/l		100
86) p-Isopropyltoluene	13.285	119	1196645	50.417	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	608249	48.481	ug/l		100
88) 1,4-Dichlorobenzene	13.359	146	605079	48.618	ug/l		100
89) n-Butylbenzene	13.609	91	1099864	50.454	ug/l		100
90) Hexachloroethane	13.871	117	238005	48.984	ug/l		100
91) 1,2-Dichlorobenzene	13.651	146	536637	48.772	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35867	50.592	ug/l		100
93) 1,2,4-Trichlorobenzene	14.913	180	320080	49.192	ug/l		100
94) Hexachlorobutadiene	15.017	225	185604	48.543	ug/l		100
95) Naphthalene	15.139	128	562363	50.685	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	272154	48.540	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

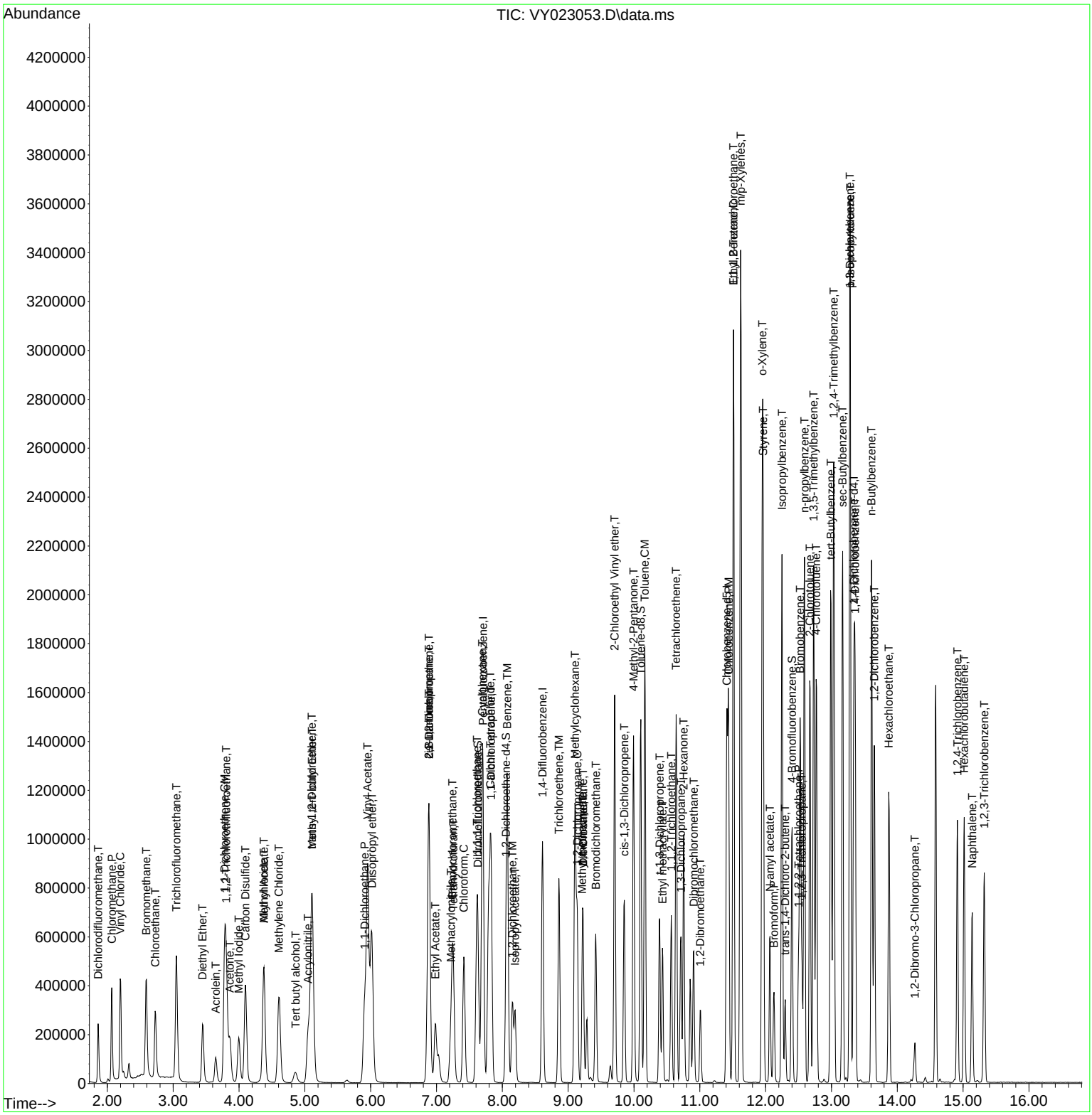
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

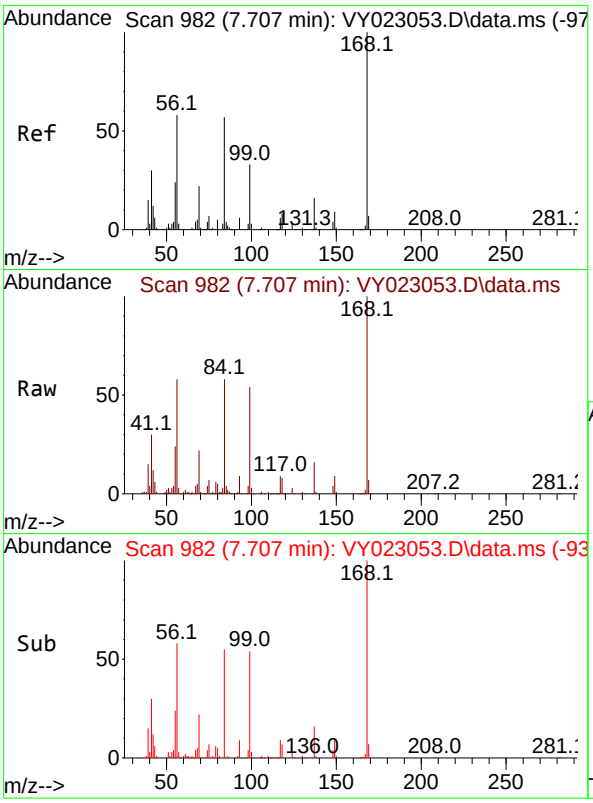
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration



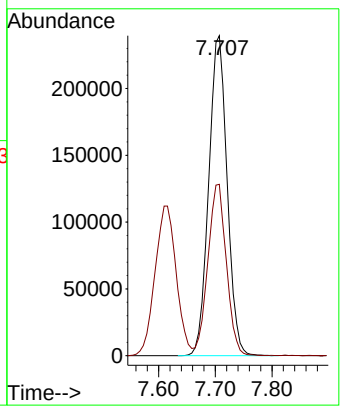


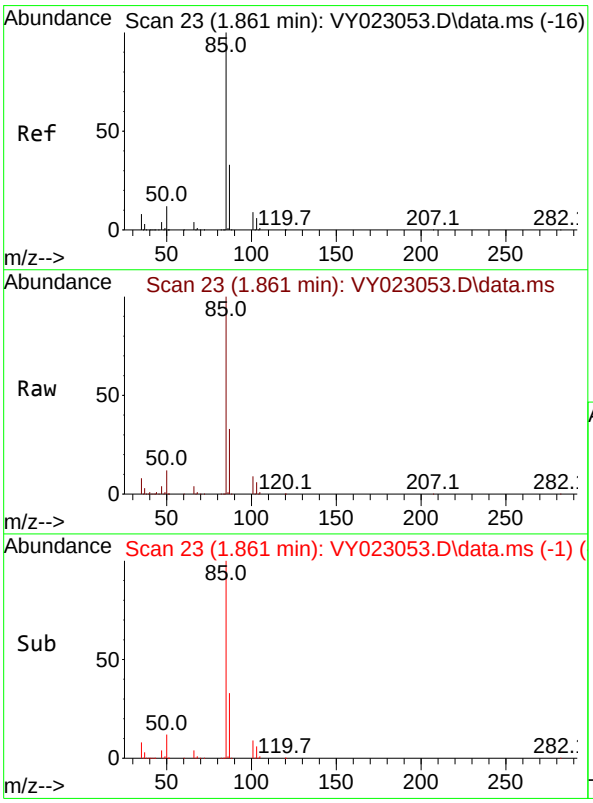
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 539282

Ion	Ratio	Lower	Upper
168	100		
99	53.5	42.8	64.2

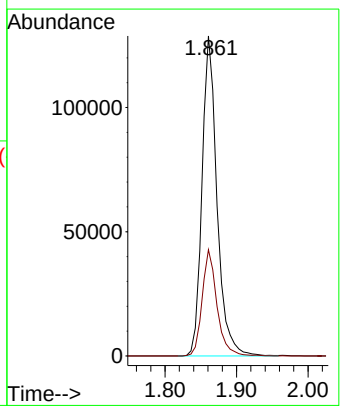


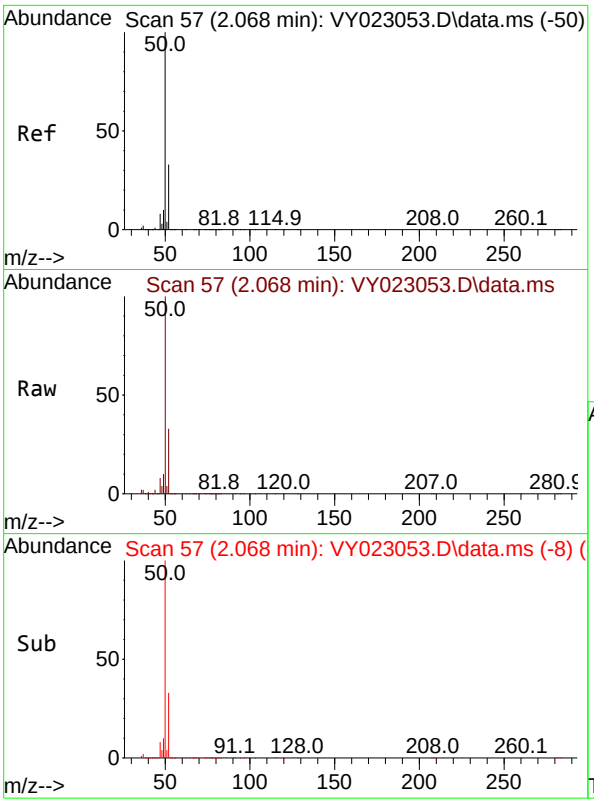


#2
Dichlorodifluoromethane
Concen: 42.677 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 85 Resp: 187863

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8



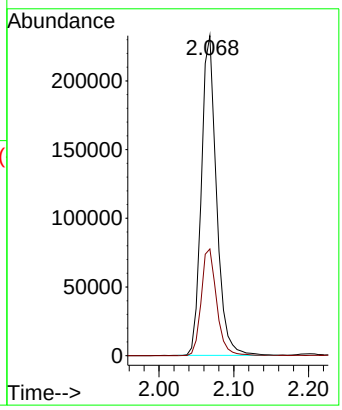


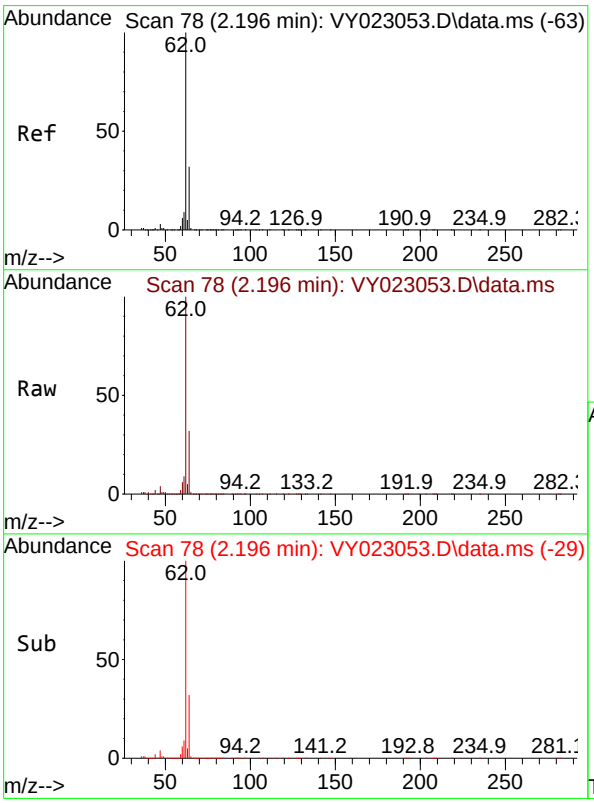
#3
Chloromethane
Concen: 45.932 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 327481

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1

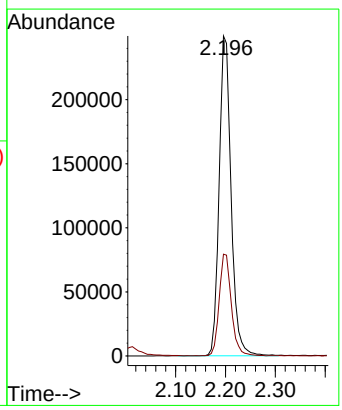


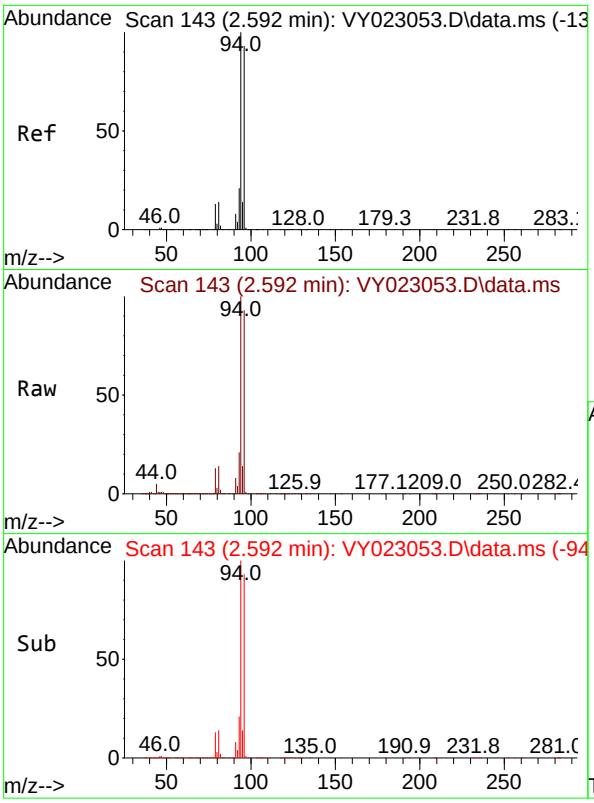


#4
Vinyl Chloride
Concen: 47.044 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 414609

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



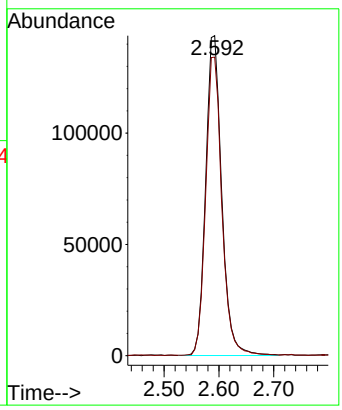


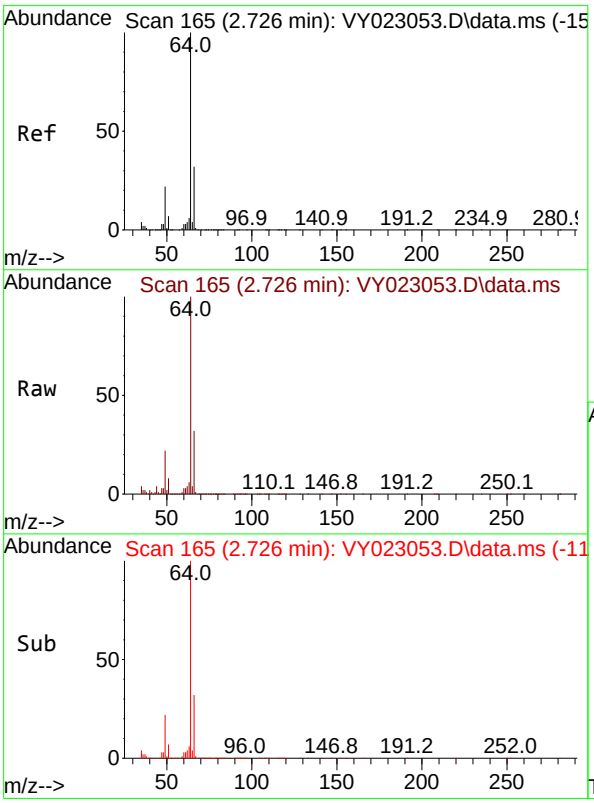
#5
Bromomethane
Concen: 44.263 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 291336

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	112.0

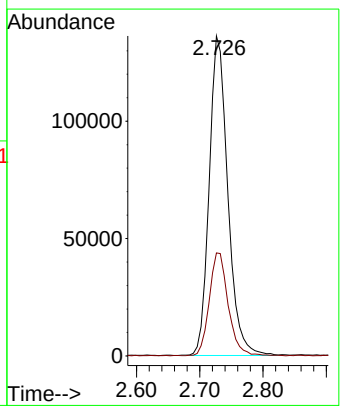


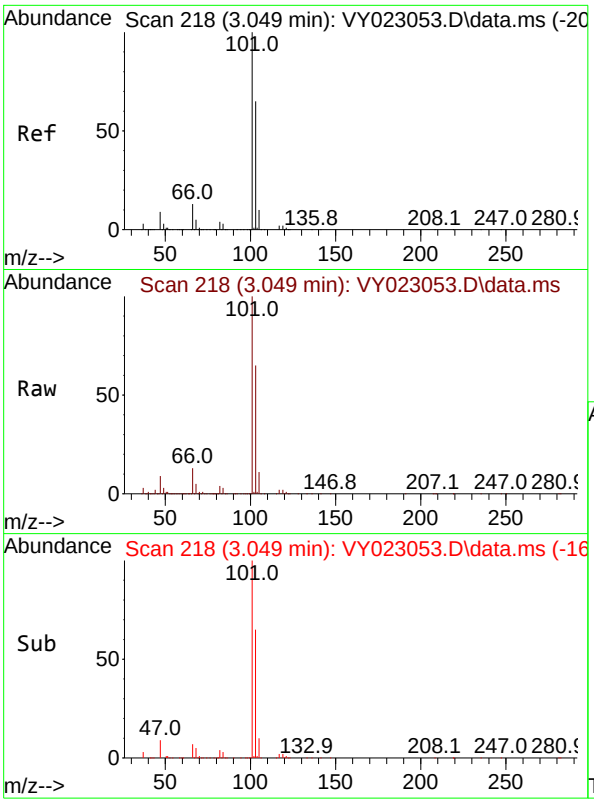


#6
Chloroethane
Concen: 47.394 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 64 Resp: 277698

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6



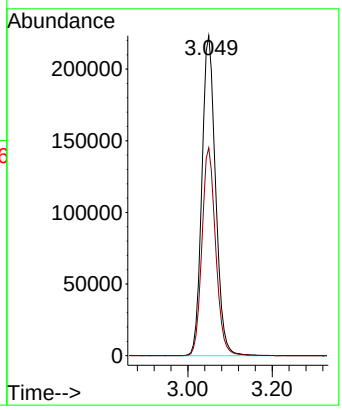


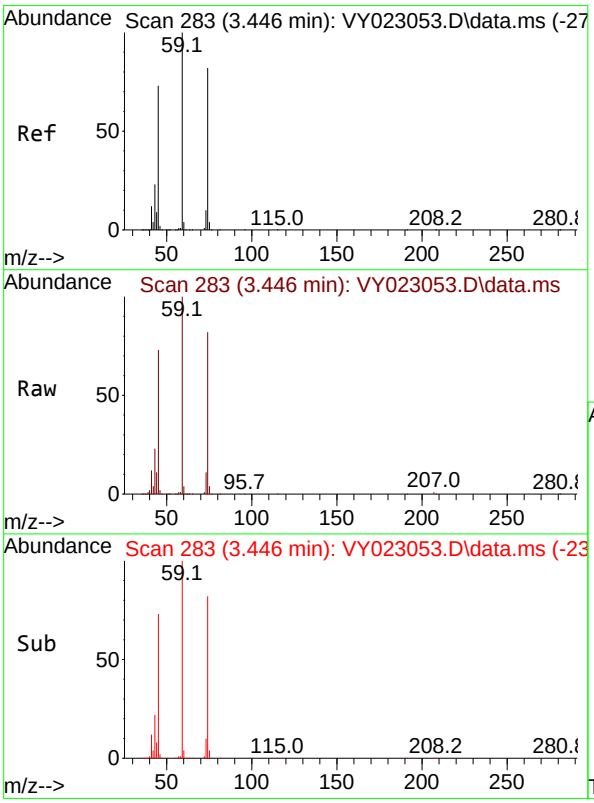
#7
Trichlorofluoromethane
Concen: 47.136 ug/l
RT: 3.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 505137

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.9	77.9

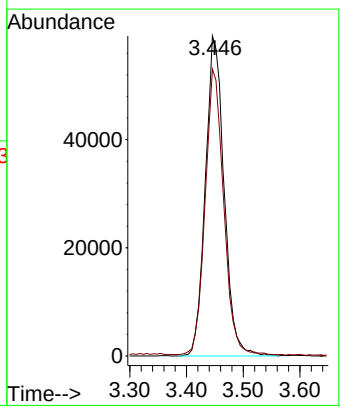


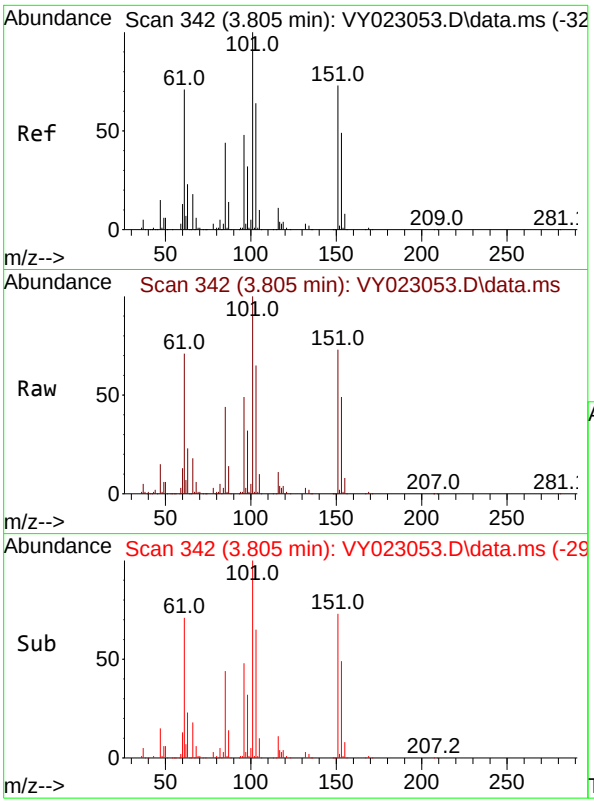


#8
Diethyl Ether
Concen: 47.747 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 74 Resp: 135373

Ion	Ratio	Lower	Upper
74	100		
45	88.8	44.4	133.2



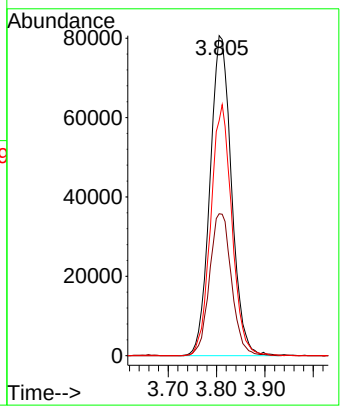


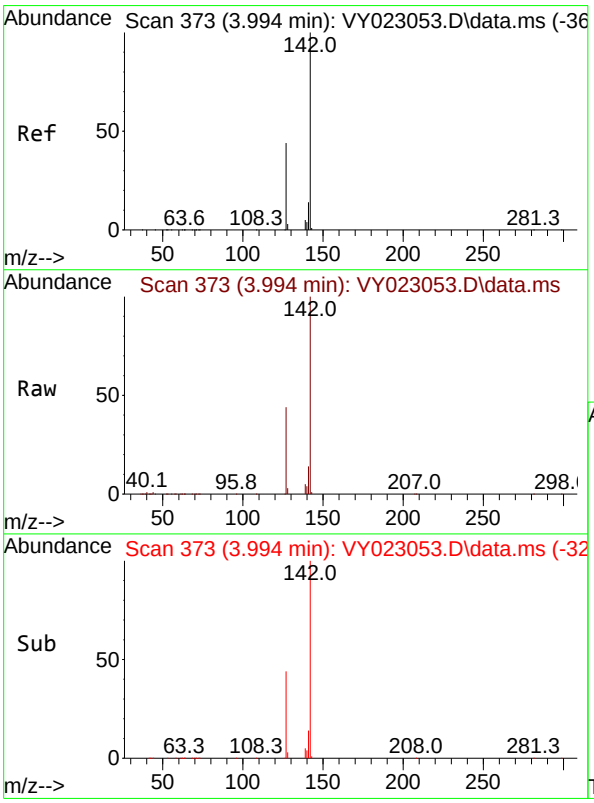
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.109 ug/l
RT: 3.805 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 249063

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	76.9	61.5	92.3

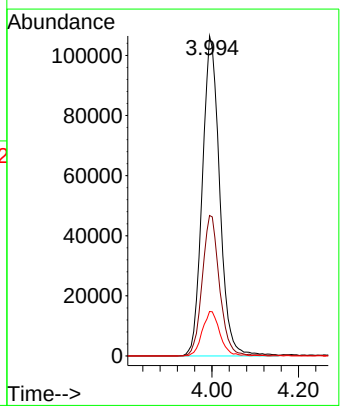


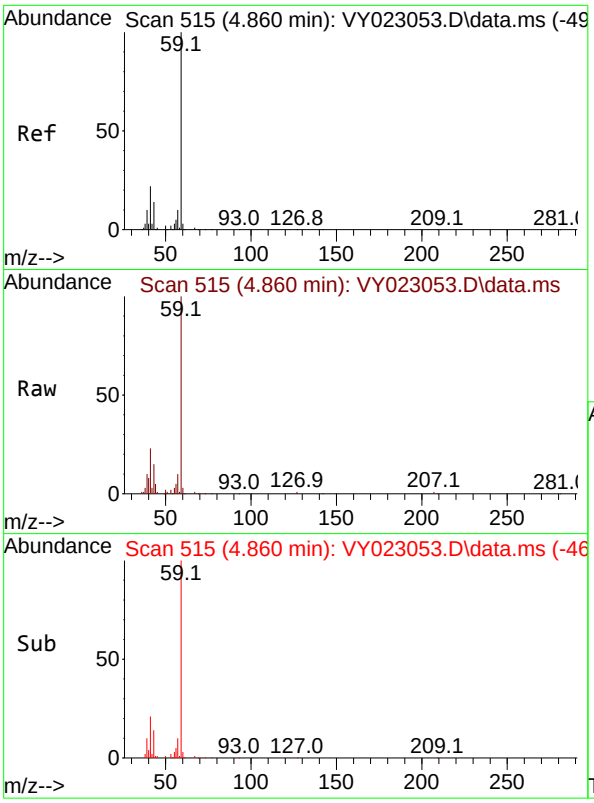


#10
Methyl Iodide
Concen: 51.899 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:142 Resp: 296087

Ion	Ratio	Lower	Upper
142	100		
127	43.6	34.9	52.3
141	14.1	11.3	16.9



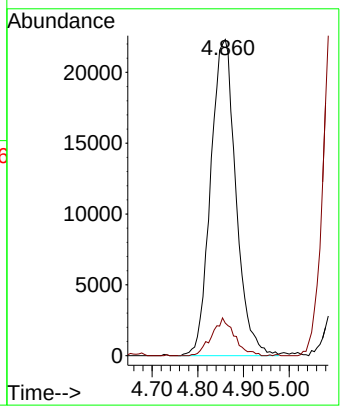


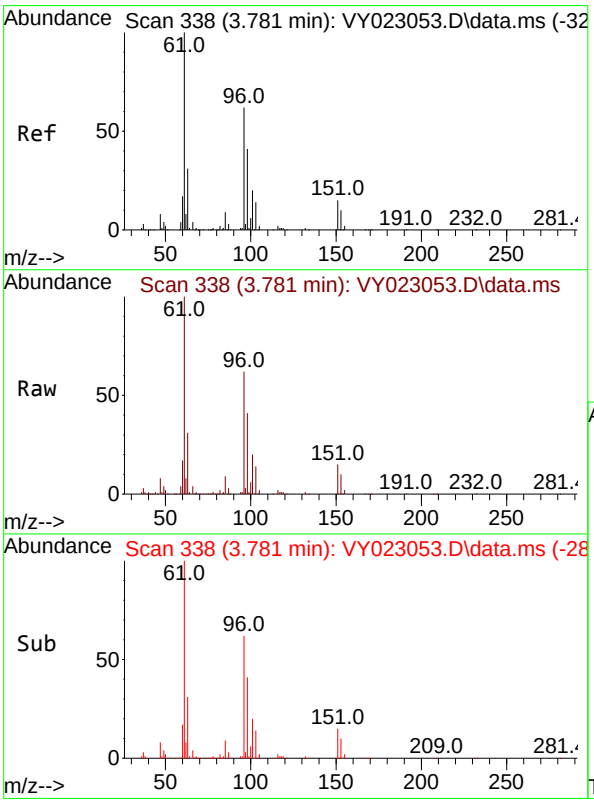
#11
Tert butyl alcohol
Concen: 243.383 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 85712

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

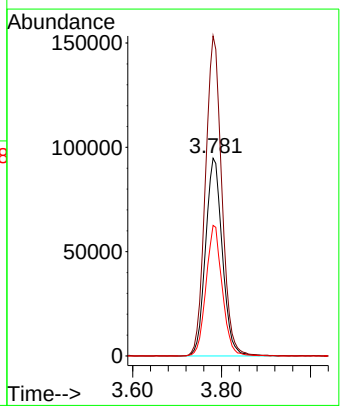


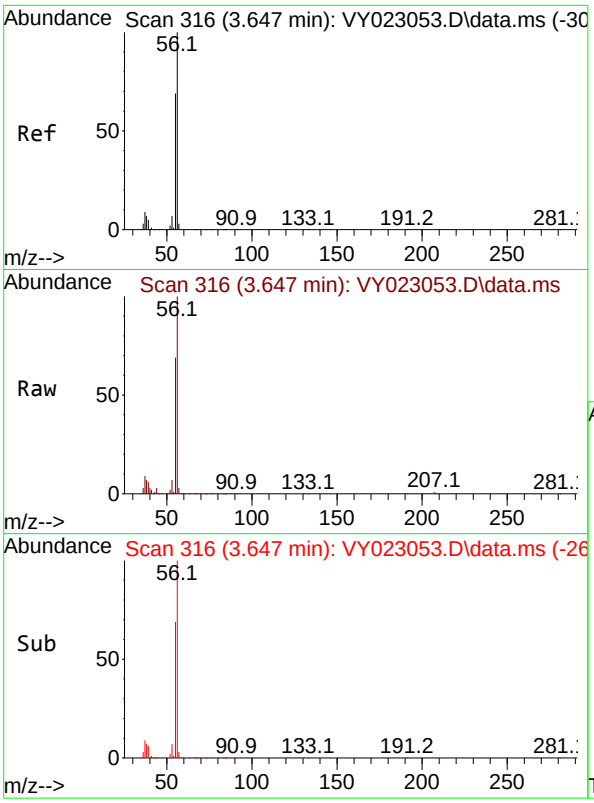


#12
1,1-Dichloroethene
Concen: 48.009 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 249492

Ion	Ratio	Lower	Upper
96	100		
61	161.8	129.4	194.2
98	66.0	52.8	79.2



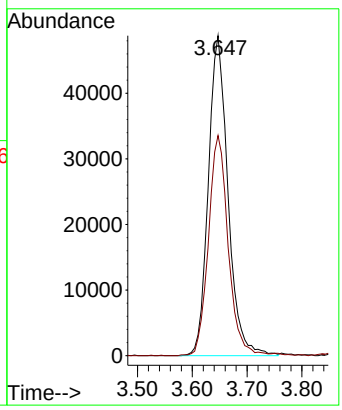


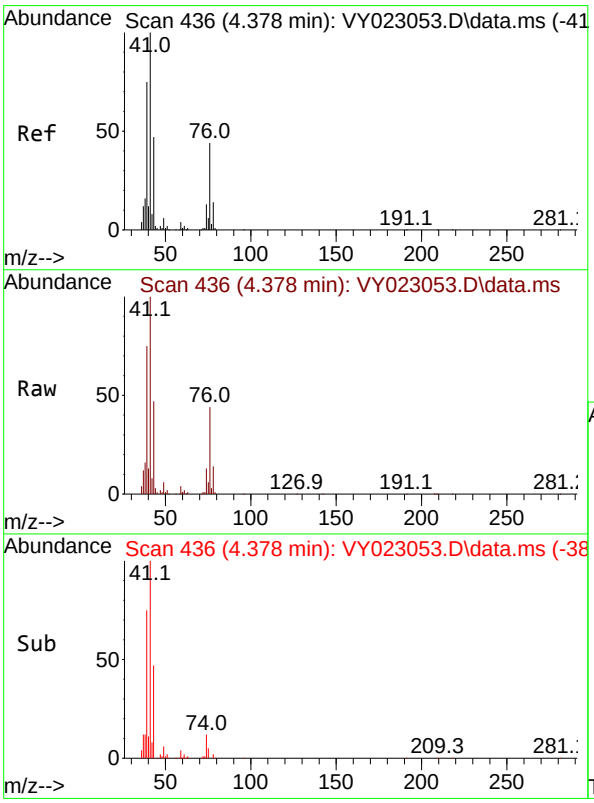
#13
Acrolein
Concen: 234.966 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 121185

Ion	Ratio	Lower	Upper
56	100		
55	69.0	55.2	82.8

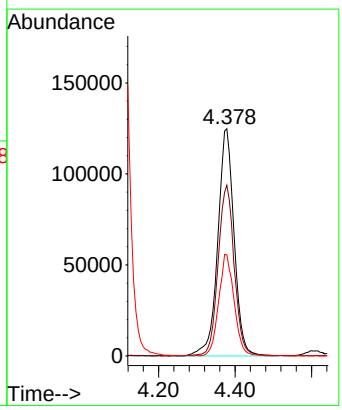


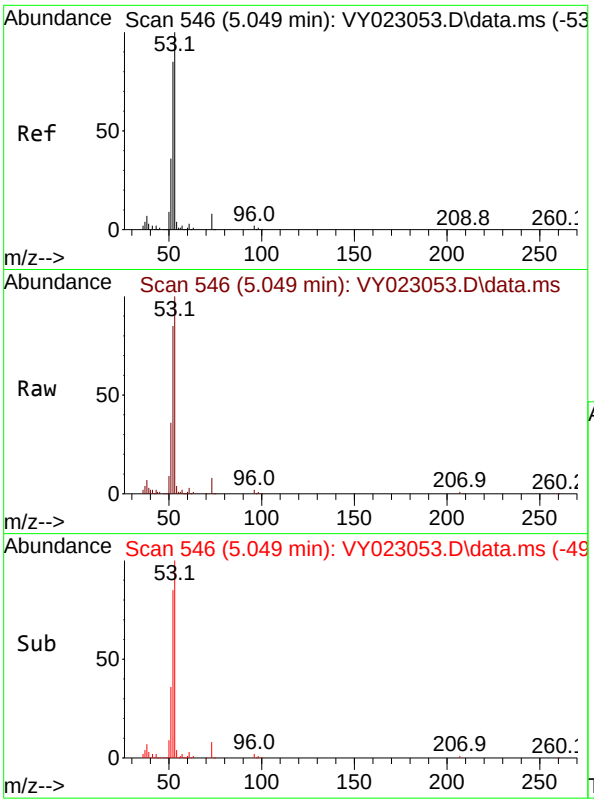


#14
Allyl chloride
Concen: 48.350 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 369720

Ion	Ratio	Lower	Upper
41	100		
39	74.7	59.8	89.6
76	42.1	33.7	50.5



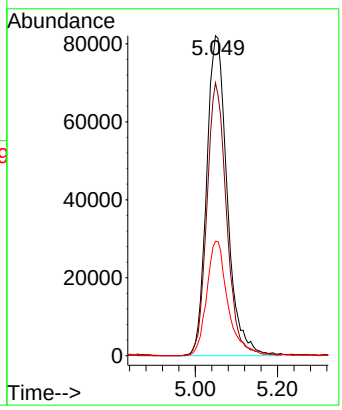


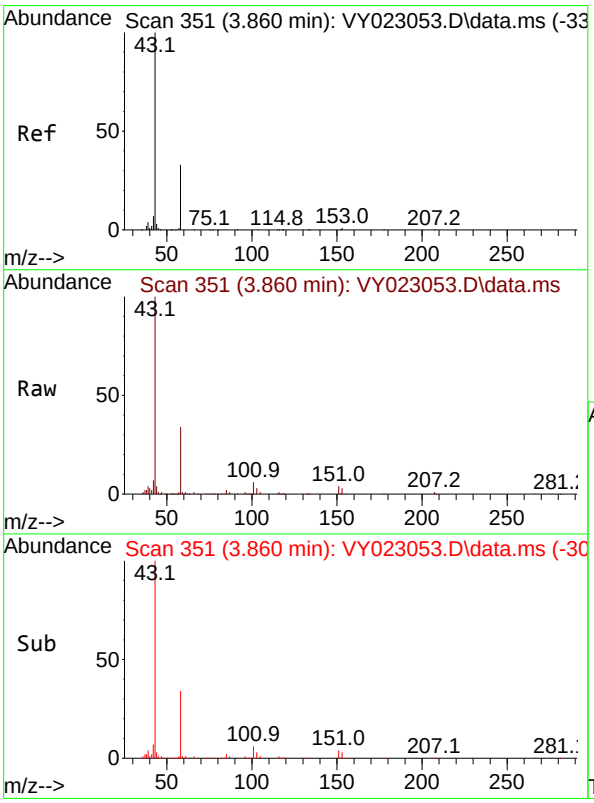
#15
Acrylonitrile
Concen: 247.839 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 285675

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	36.9	29.5	44.3

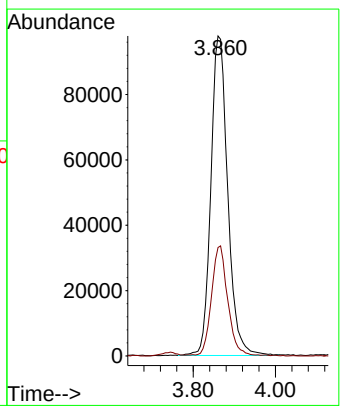


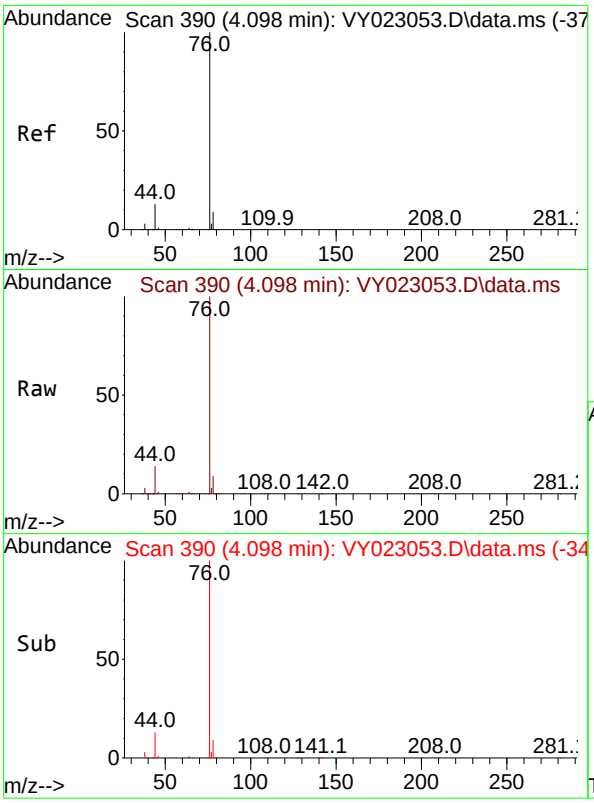


#16
Acetone
Concen: 250.122 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 278510

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7



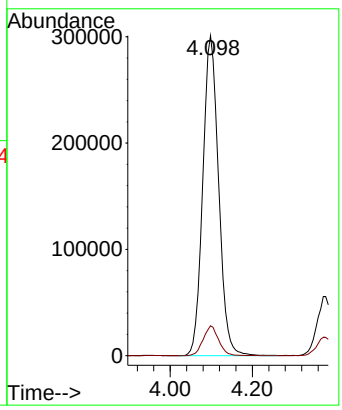


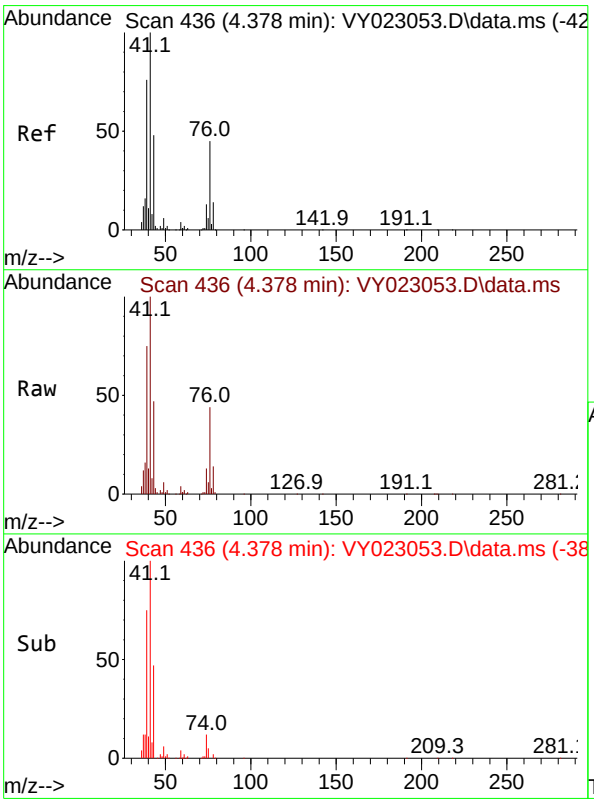
#17
Carbon Disulfide
Concen: 47.456 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 804119

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

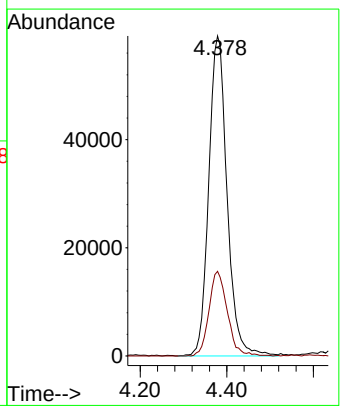


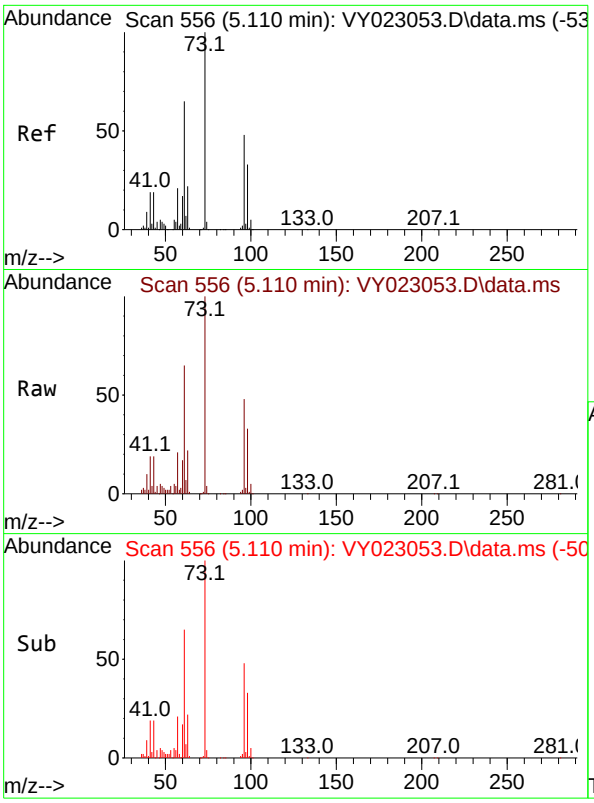


#18
Methyl Acetate
Concen: 52.403 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 173642

Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.2	31.8



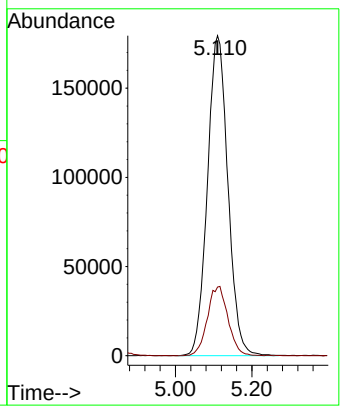


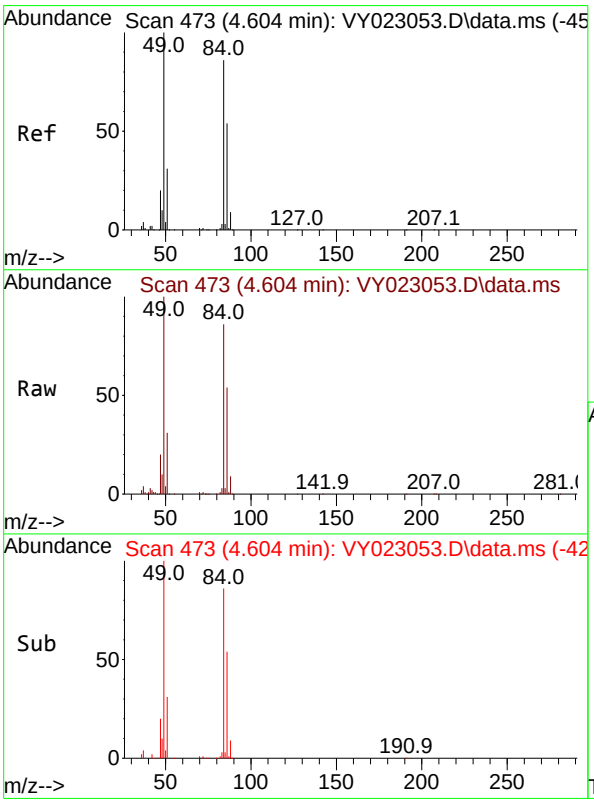
#19
Methyl tert-butyl Ether
Concen: 49.495 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 666514

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.1	25.7

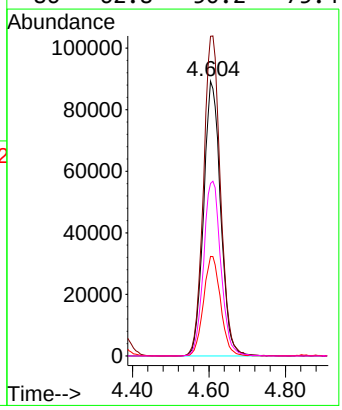


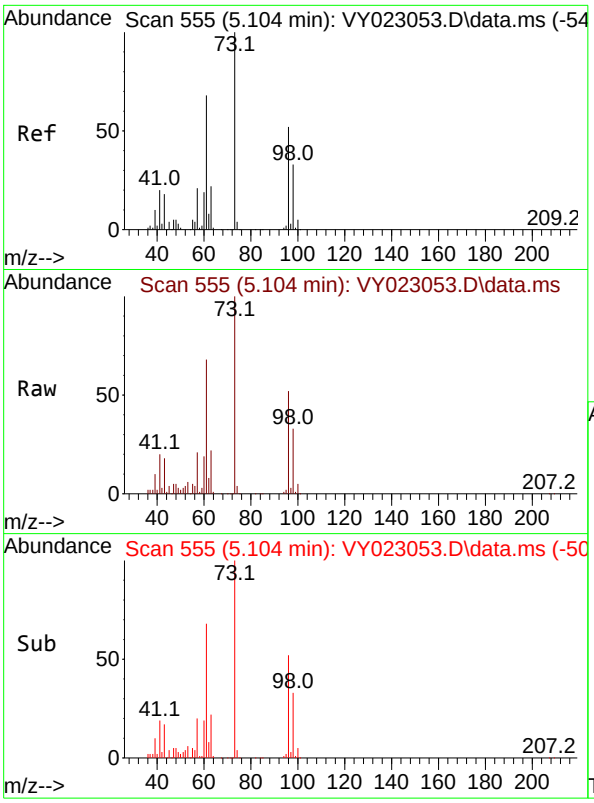


#20
Methylene Chloride
Concen: 47.415 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 84 Resp: 275004

Ion	Ratio	Lower	Upper
84	100		
49	116.3	93.0	139.6
51	36.2	29.0	43.4
86	62.8	50.2	75.4



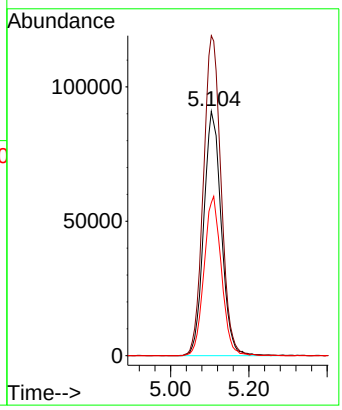


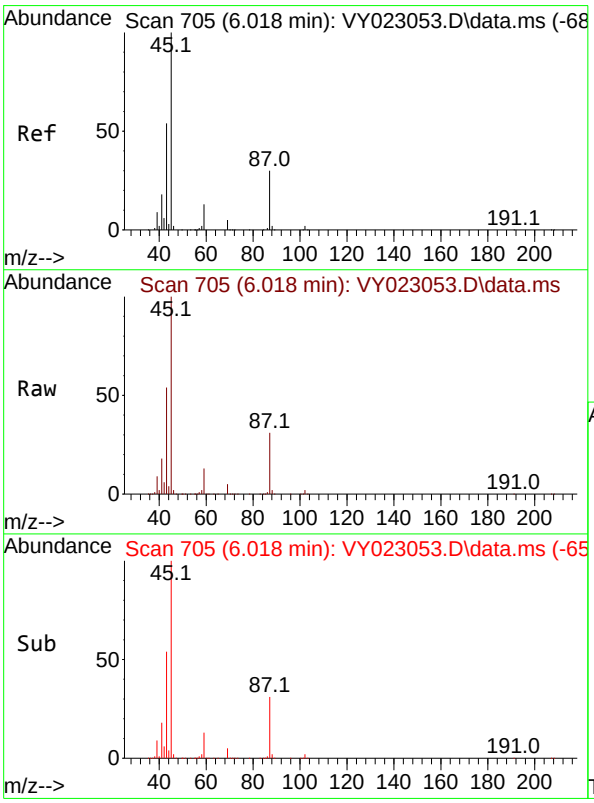
#21
trans-1,2-Dichloroethene
Concen: 48.334 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 282272

Ion	Ratio	Lower	Upper
96	100		
61	131.0	104.8	157.2
98	62.6	50.1	75.1

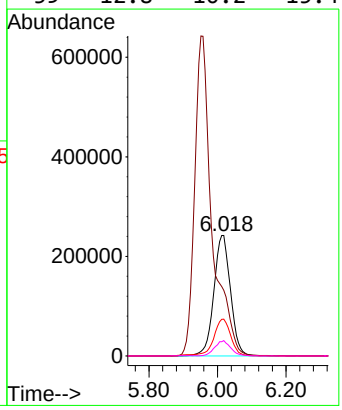


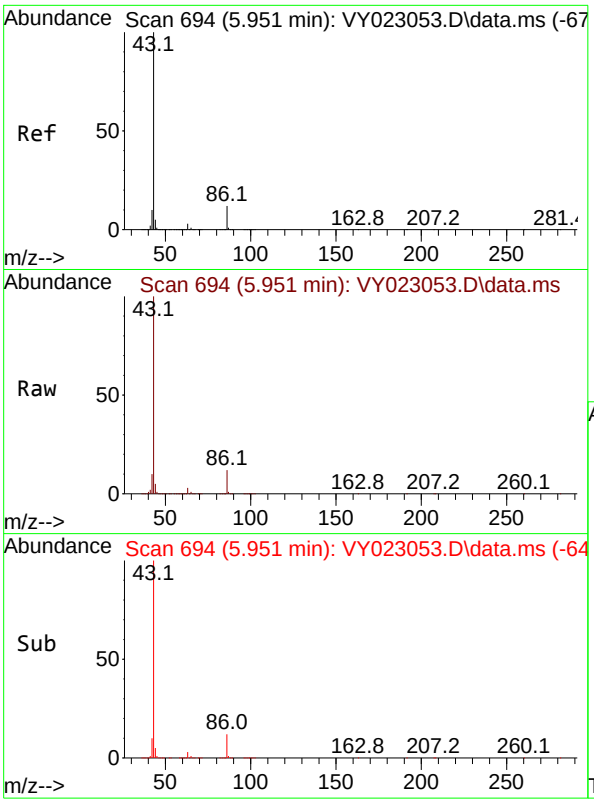


#22
Diisopropyl ether
Concen: 49.070 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 45 Resp: 815359

Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.4	65.0
87	30.5	24.4	36.6
59	12.8	10.2	15.4



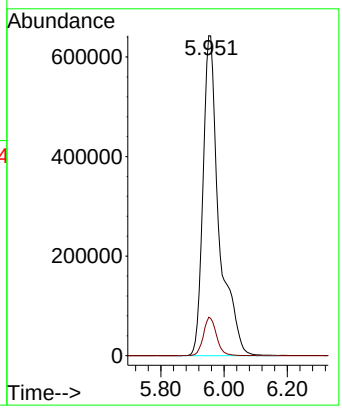


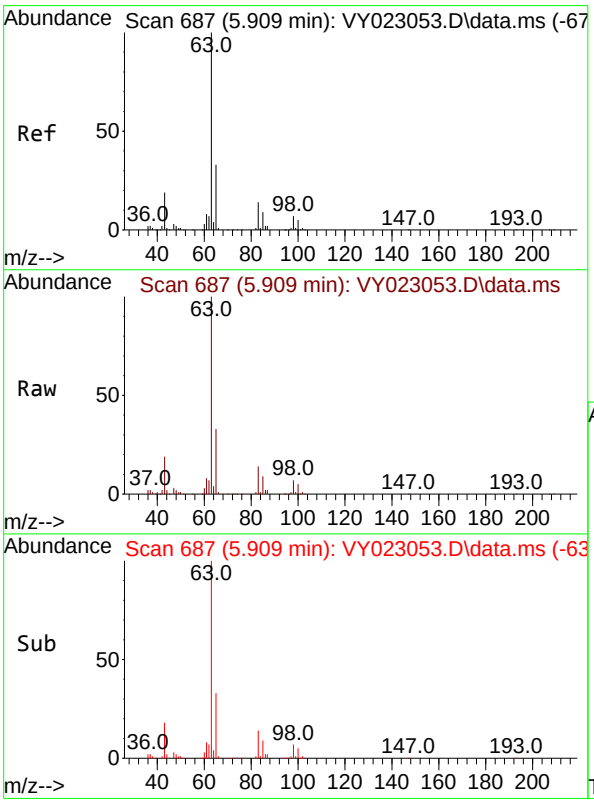
#23
Vinyl Acetate
Concen: 246.849 ug/l
RT: 5.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 2268046

Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.6	14.4

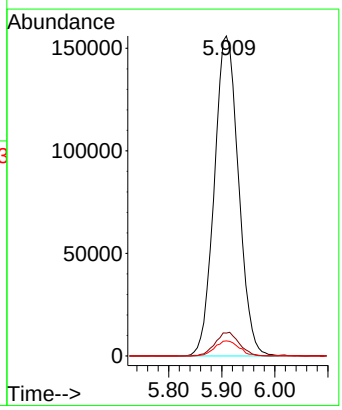


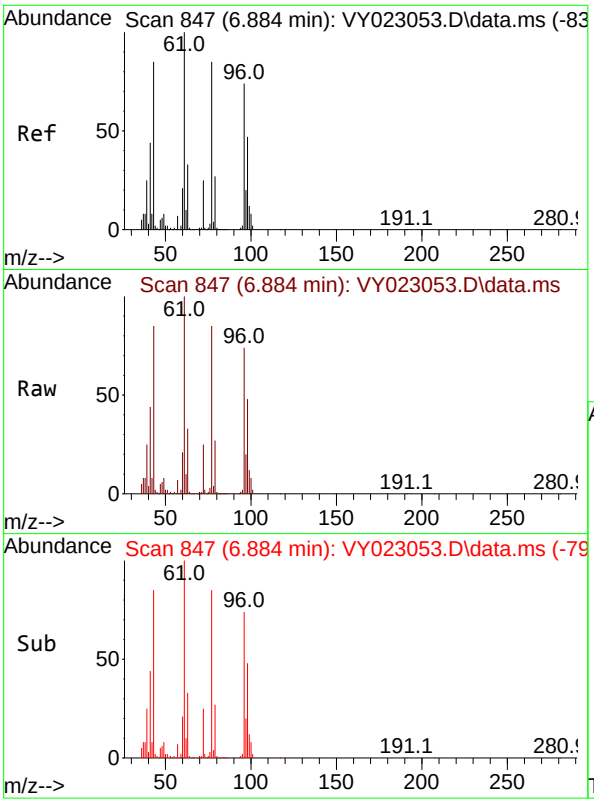


#24
1,1-Dichloroethane
Concen: 48.732 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 495073

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.7	2.4	7.1



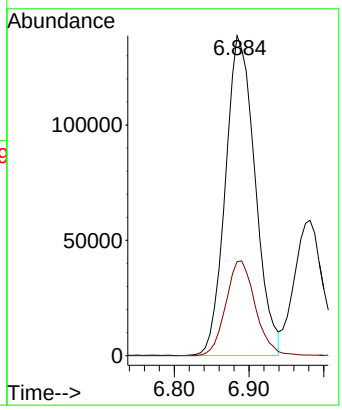


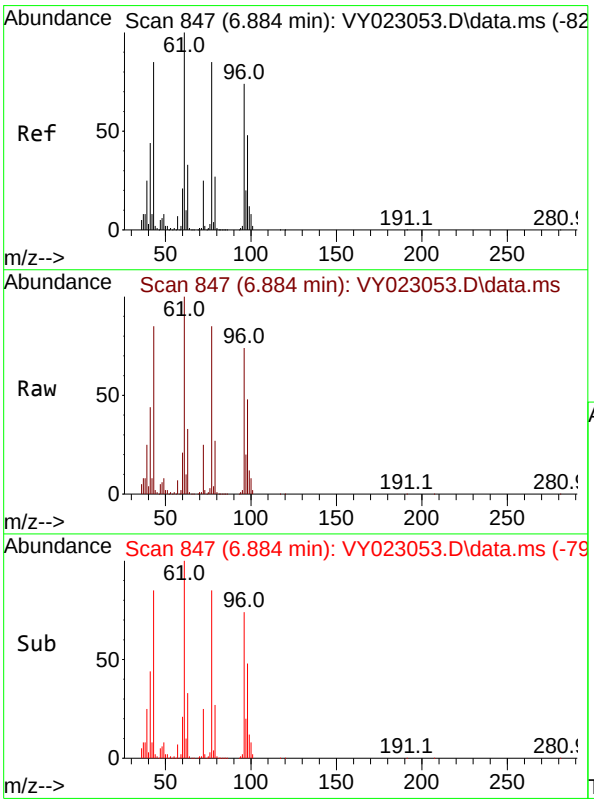
#25
2-Butanone
Concen: 252.715 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 382711

Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.5	35.3

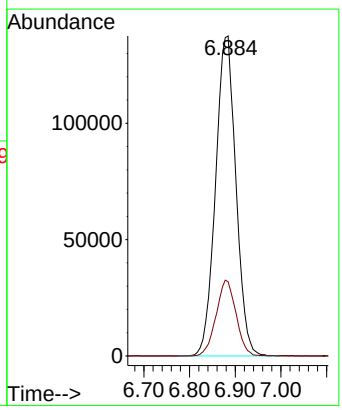


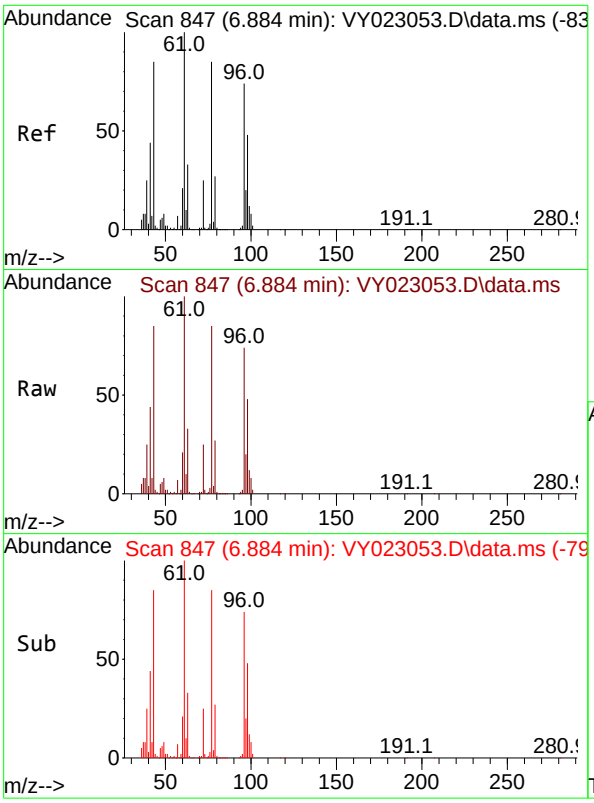


#26
2,2-Dichloropropane
Concen: 48.571 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 77 Resp: 425773

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8



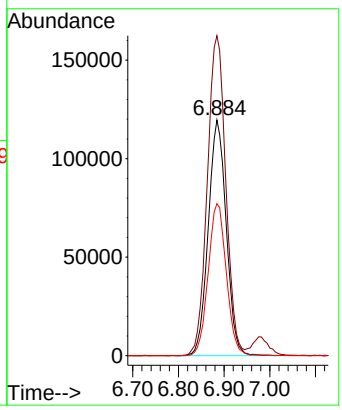


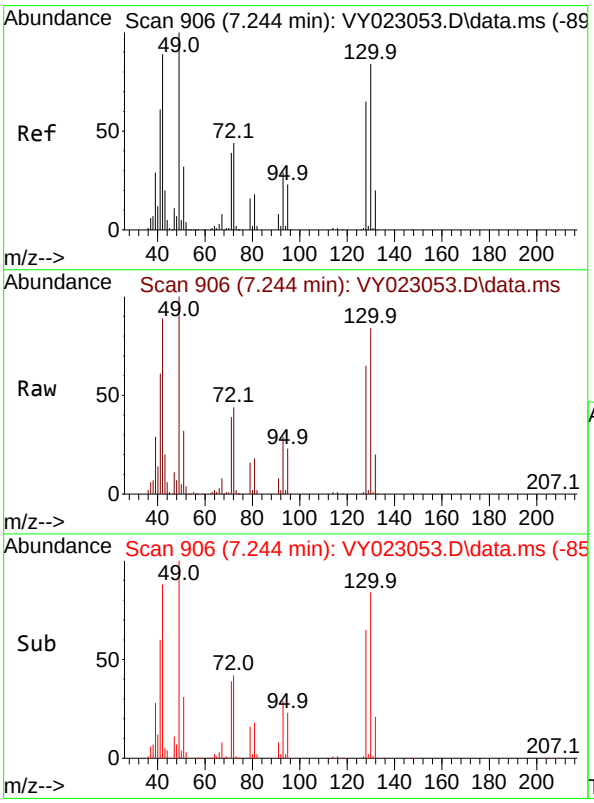
#27
cis-1,2-Dichloroethene
Concen: 48.474 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 327272

Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	278.6
98	65.2	0.0	130.4

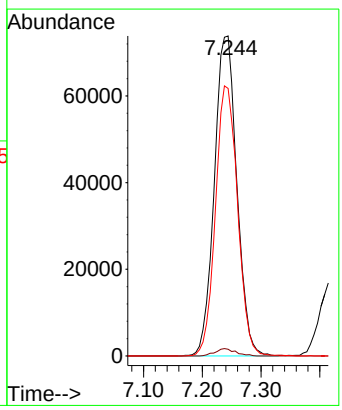


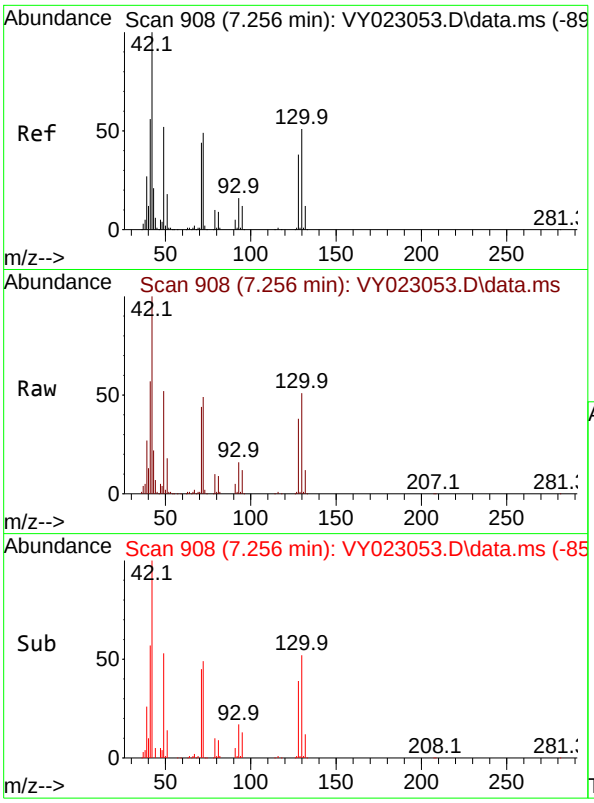


#28
Bromochloromethane
Concen: 48.795 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 49 Resp: 196667

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.0	66.4	99.6



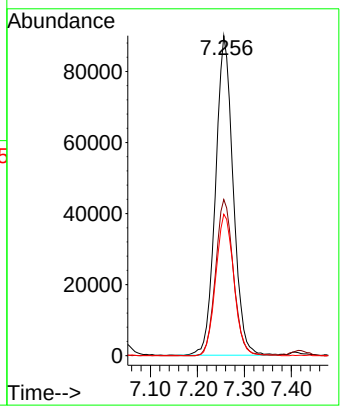


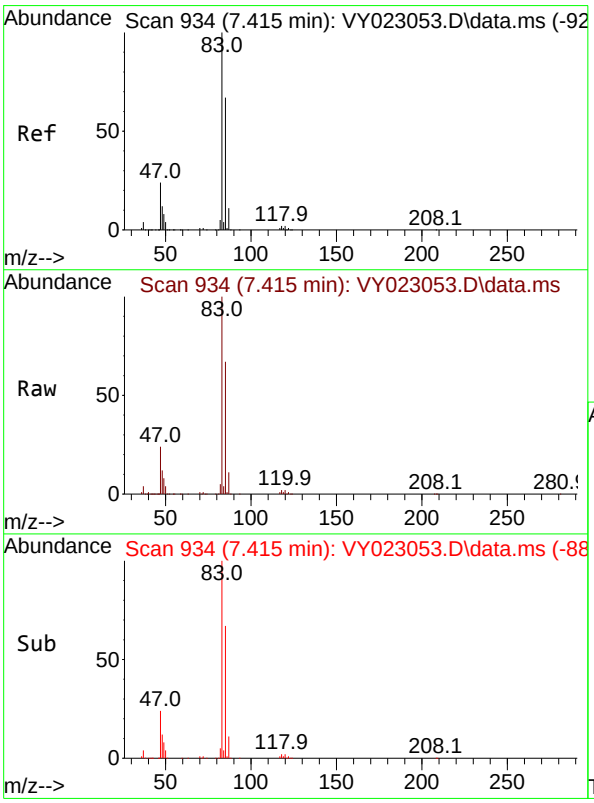
#29
Tetrahydrofuran
Concen: 250.523 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 235169

Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.4	59.2
71	45.6	36.5	54.7

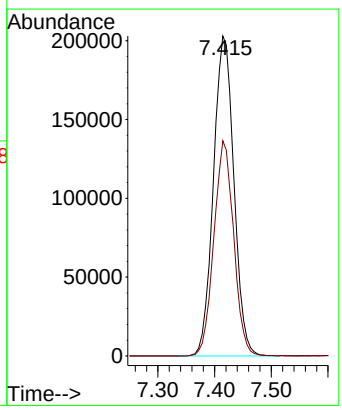


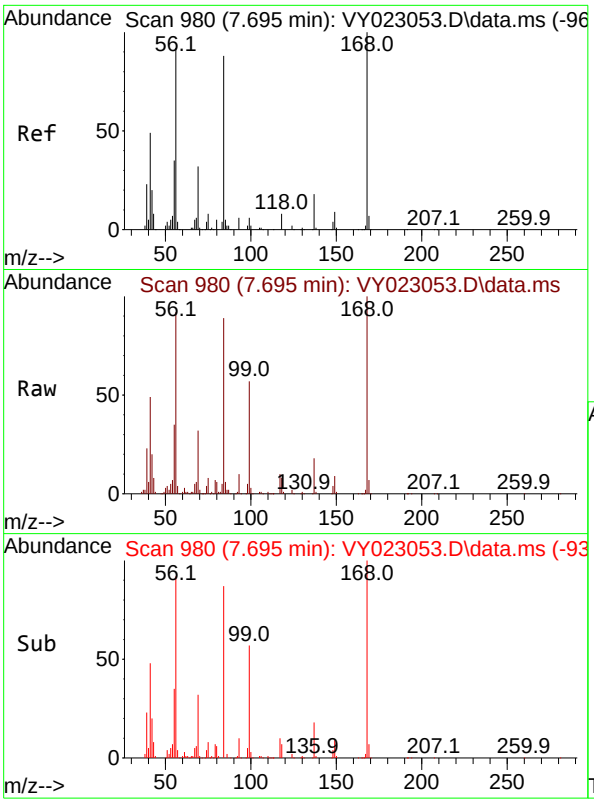


#30
Chloroform
Concen: 48.547 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 83 Resp: 508641

Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.8	80.8



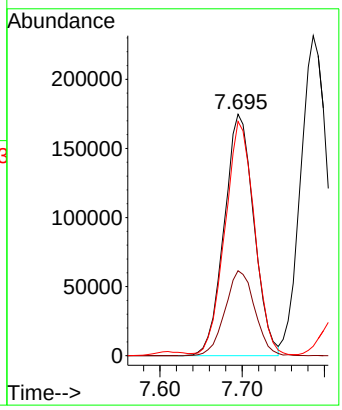


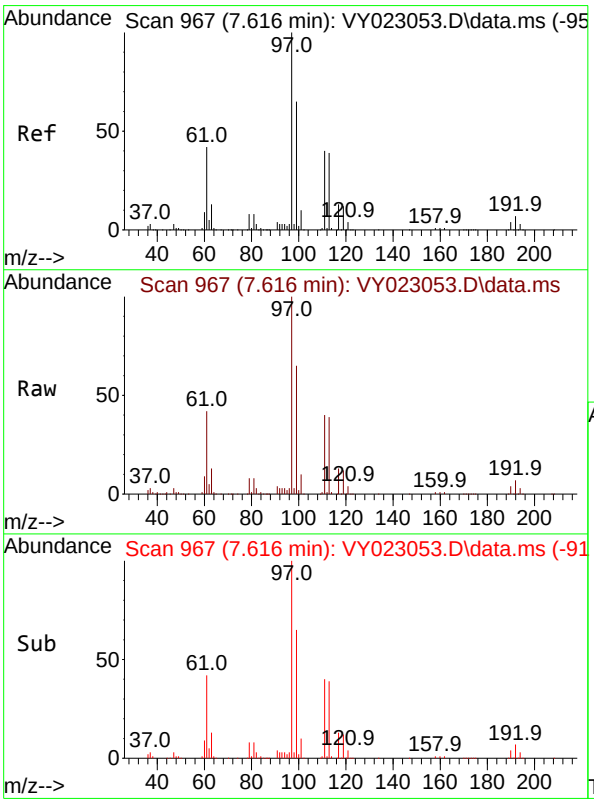
#31
Cyclohexane
Concen: 45.989 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 440266

Ion	Ratio	Lower	Upper
56	100		
69	35.2	28.2	42.2
84	95.7	76.6	114.8

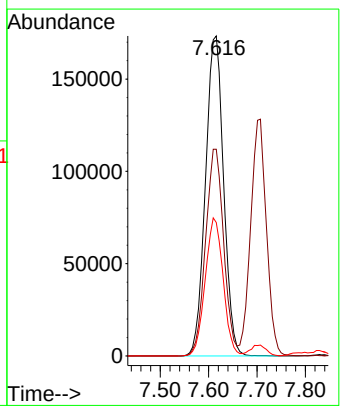


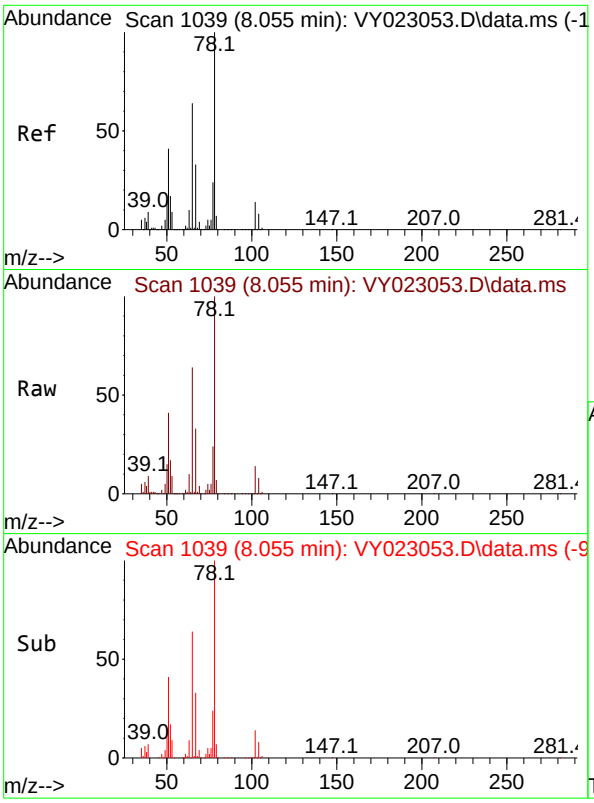


#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 97 Resp: 451521

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.7	34.2	51.2



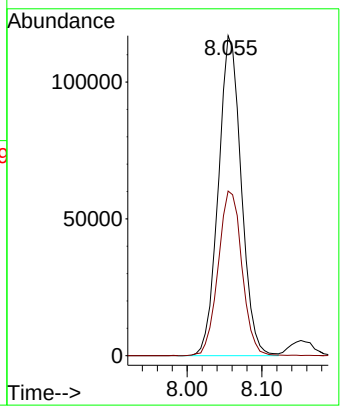


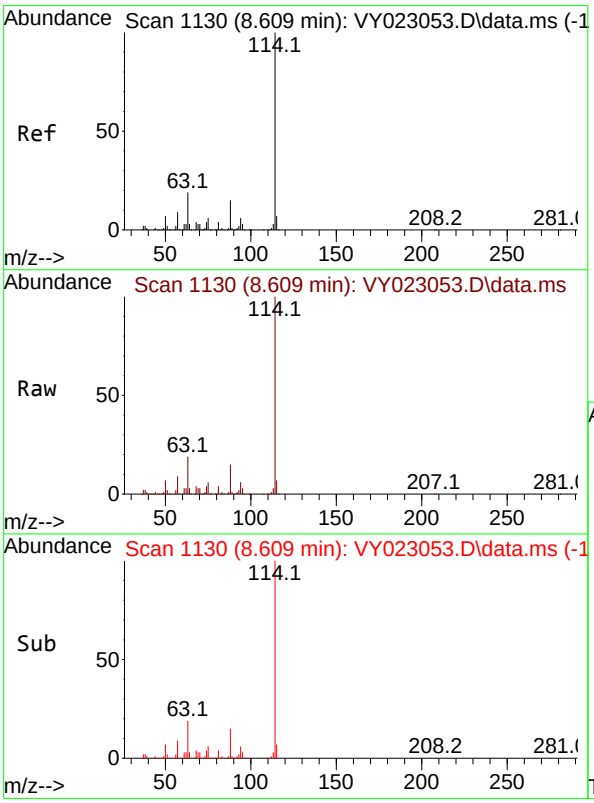
#33
1,2-Dichloroethane-d4
Concen: 48.455 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 249044

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

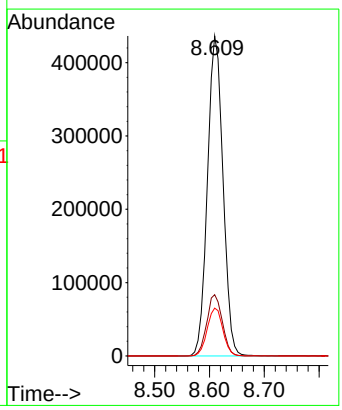


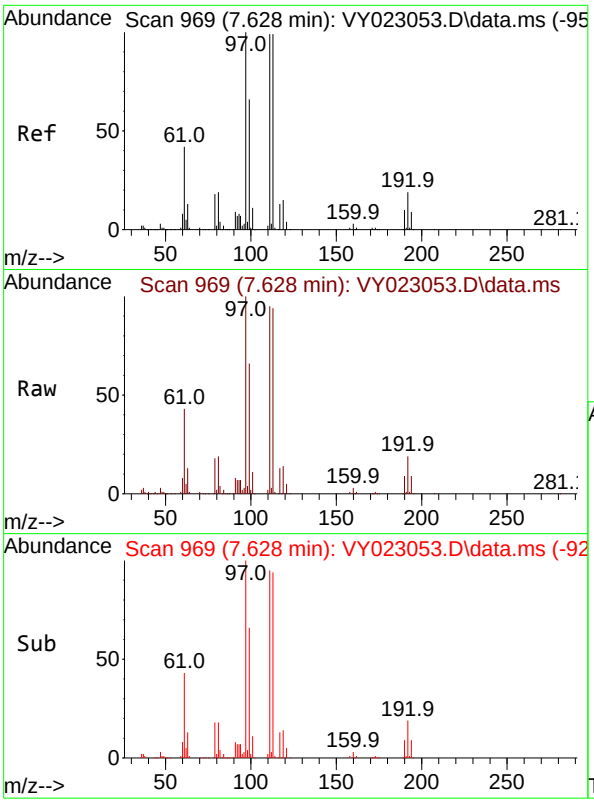


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:114 Resp: 856556

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	15.0	0.0	30.0



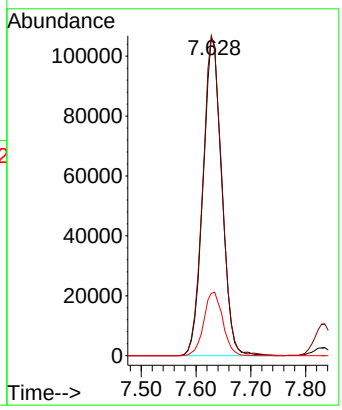


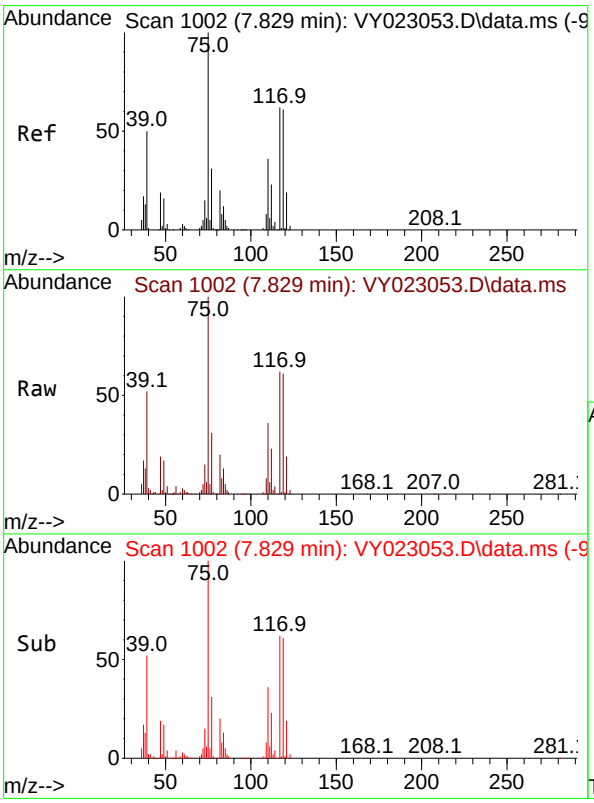
#35
Dibromofluoromethane
Concen: 49.010 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 251193

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	20.3	16.2	24.4

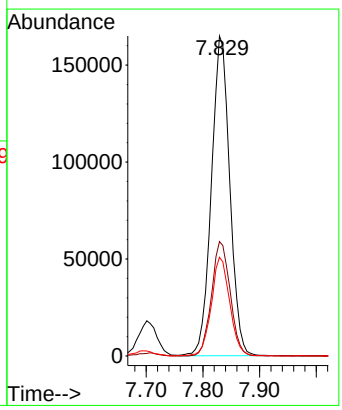


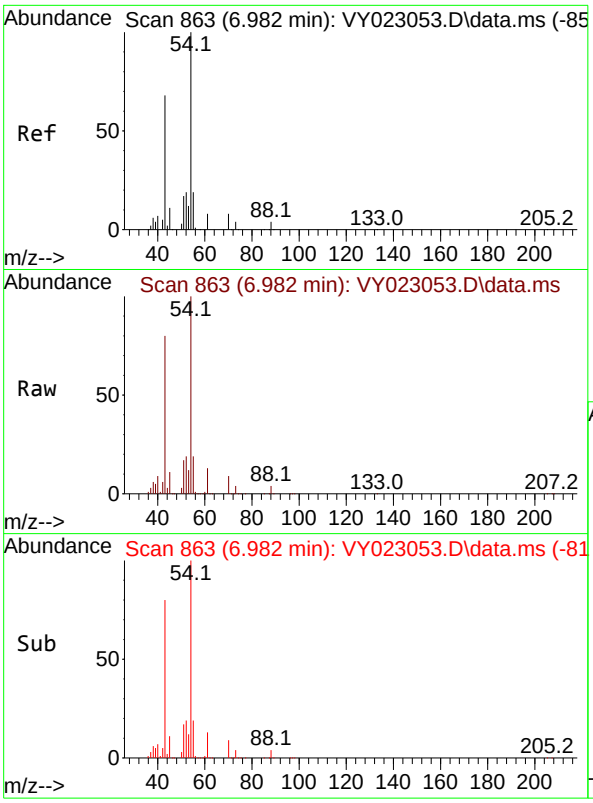


#36
1,1-Dichloropropene
Concen: 48.734 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 371204

Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.4
77	30.8	24.6	37.0



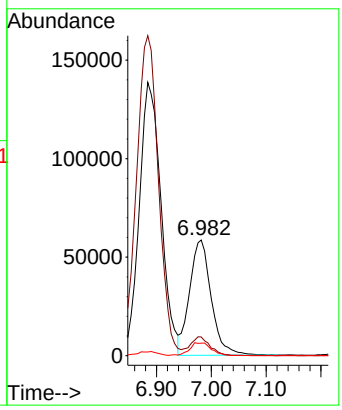


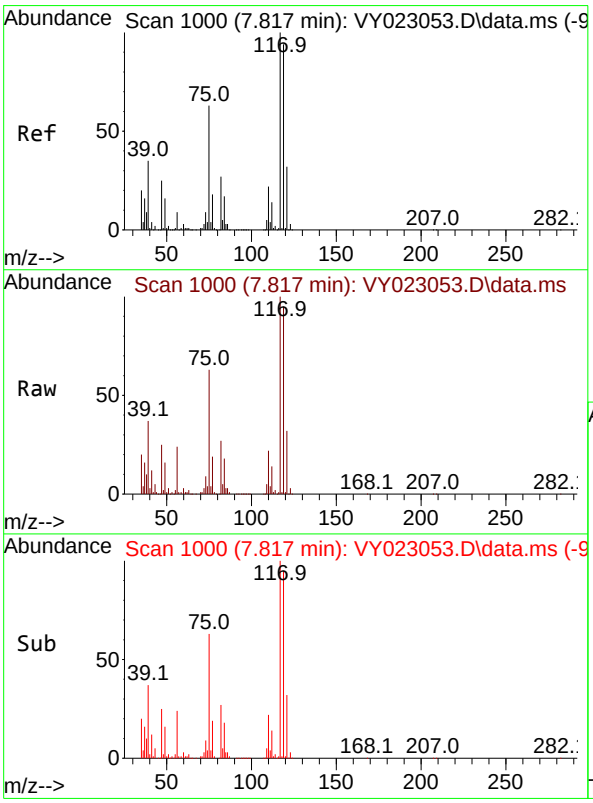
#37
Ethyl Acetate
Concen: 50.311 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 160980

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.0	8.8	13.2

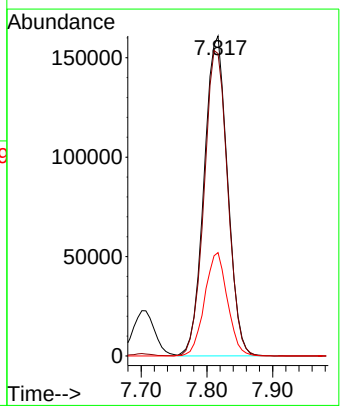


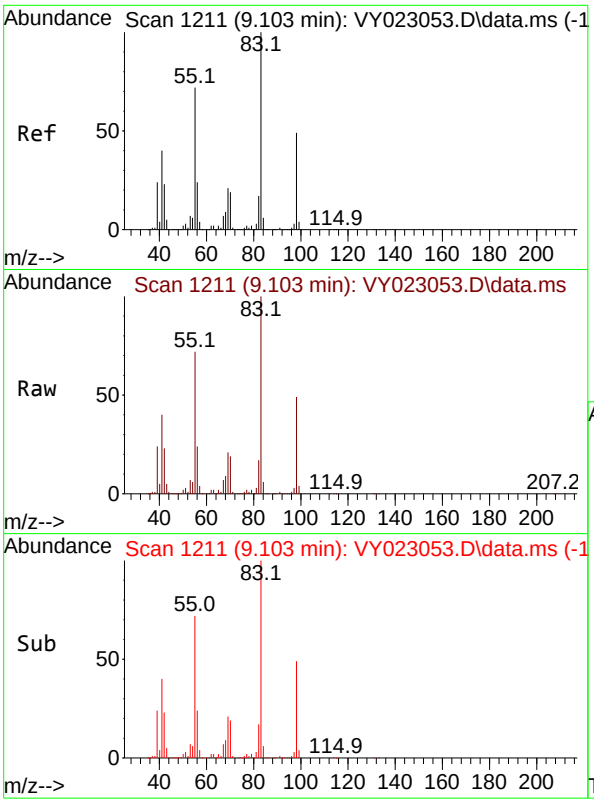


#38
Carbon Tetrachloride
Concen: 48.285 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:117 Resp: 399463

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	32.3	25.8	38.8



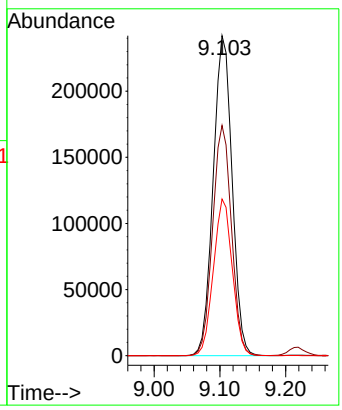


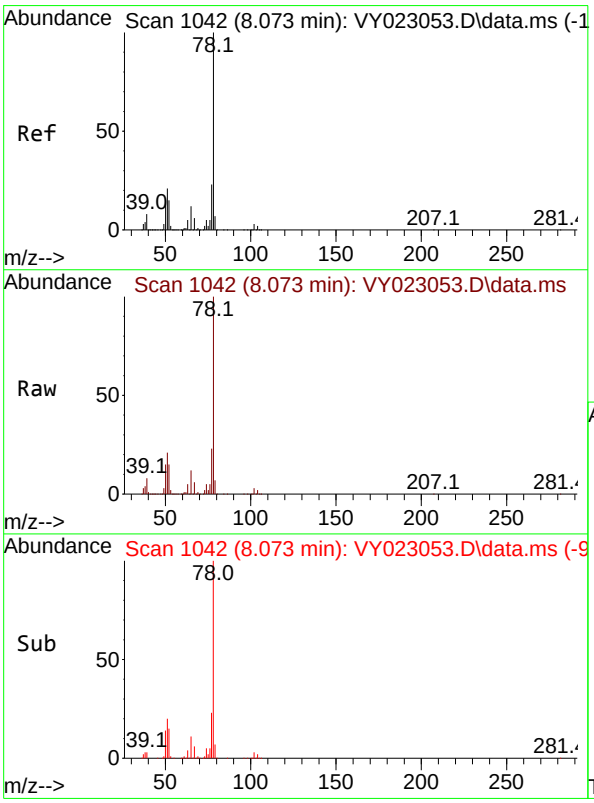
#39
Methylcyclohexane
Concen: 48.321 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 484691

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.6	86.4
98	49.0	39.2	58.8

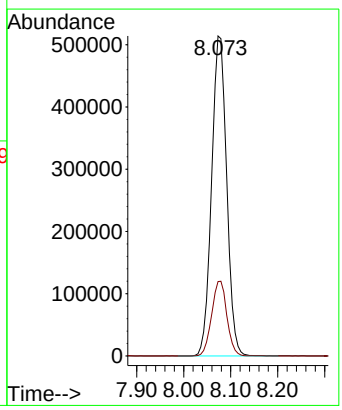


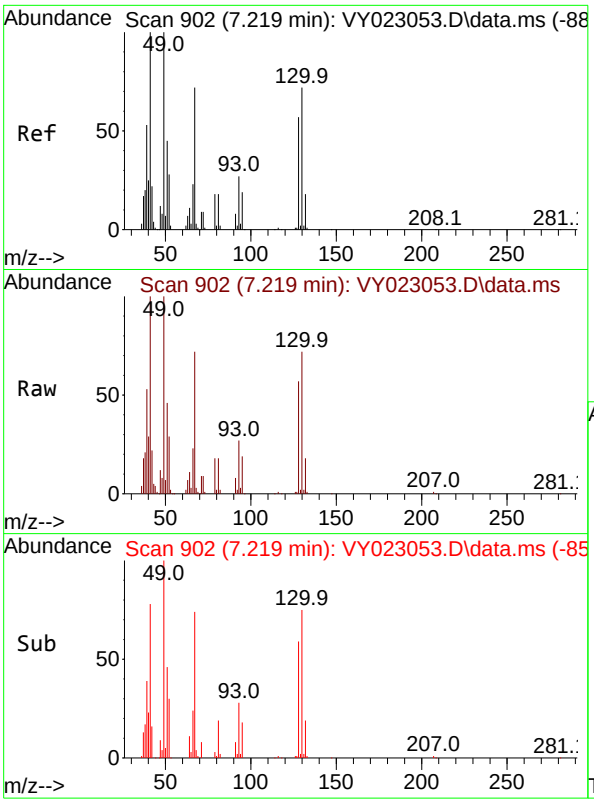


#40
Benzene
Concen: 48.683 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 78 Resp: 1142910

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0



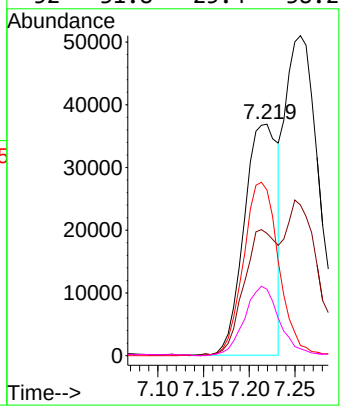


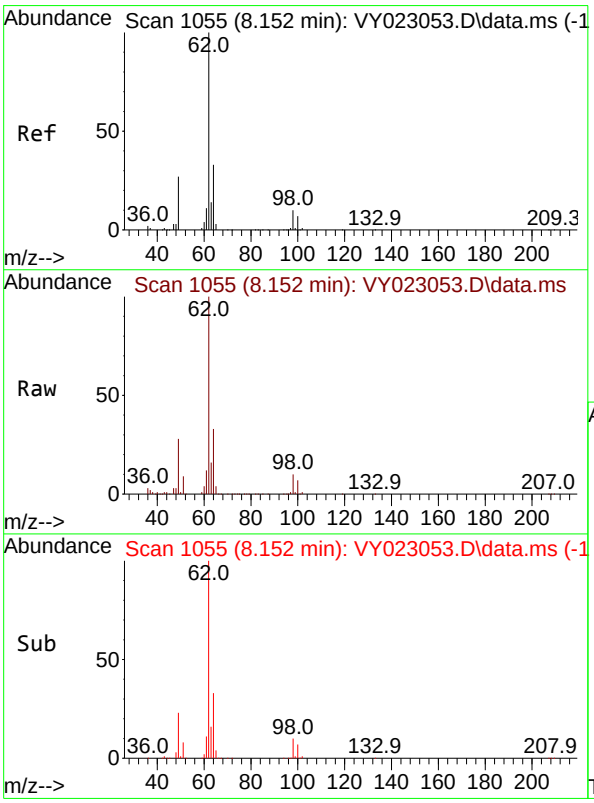
#41
Methacrylonitrile
Concen: 50.916 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 94123

Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.2
67	79.5	63.6	95.4
52	31.8	25.4	38.2

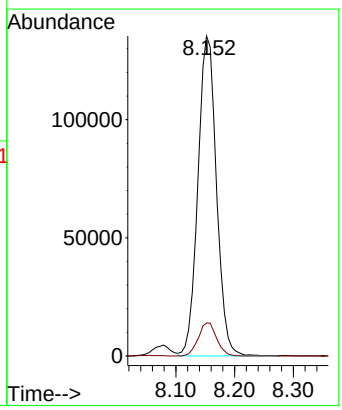


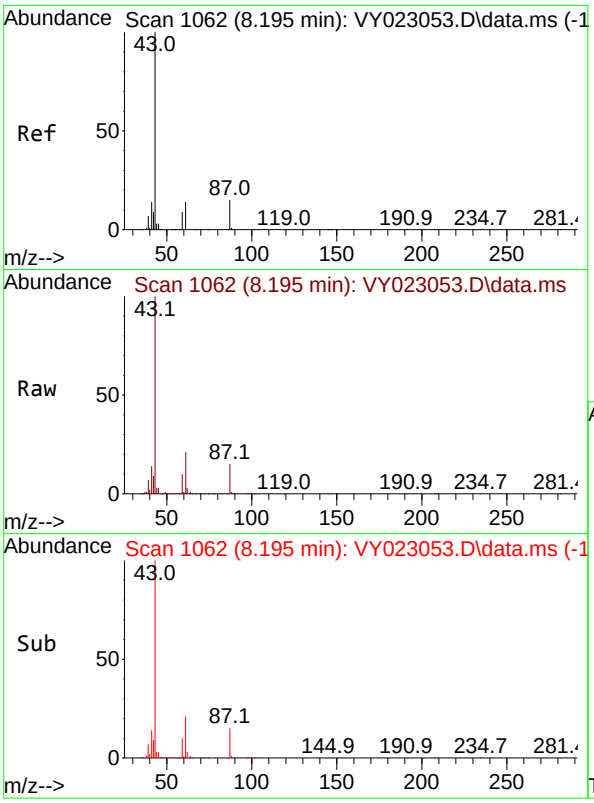


#42
1,2-Dichloroethane
Concen: 48.627 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 296907

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



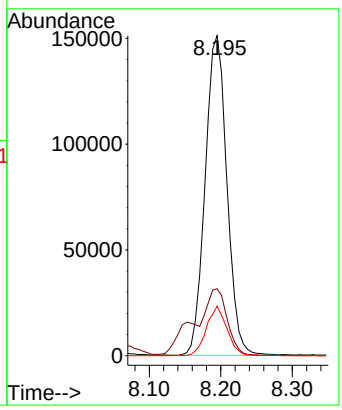


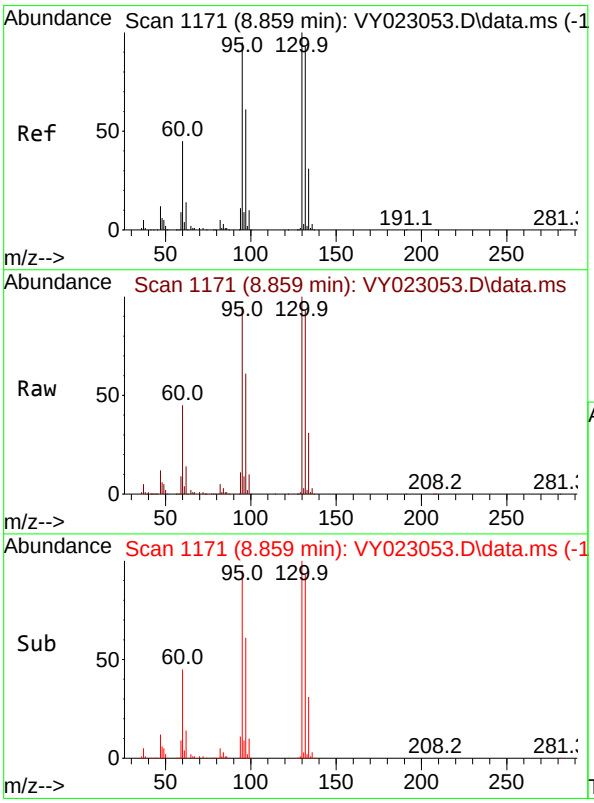
#43
Isopropyl Acetate
Concen: 49.419 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 319600

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	14.7	11.8	17.6

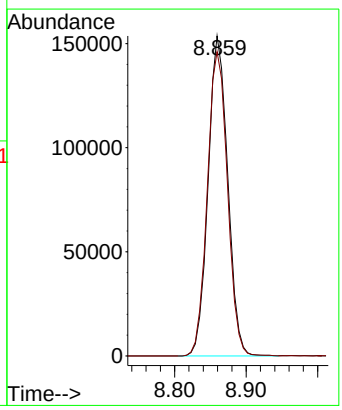


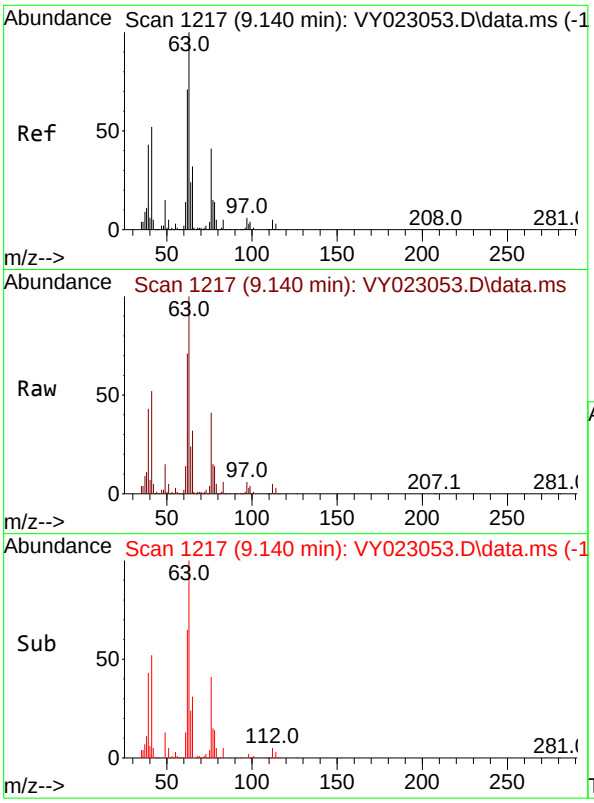


#44
Trichloroethene
Concen: 48.199 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:130 Resp: 292421

Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.2



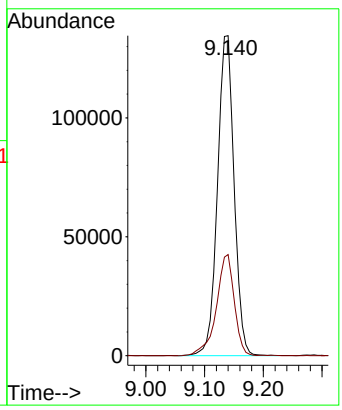


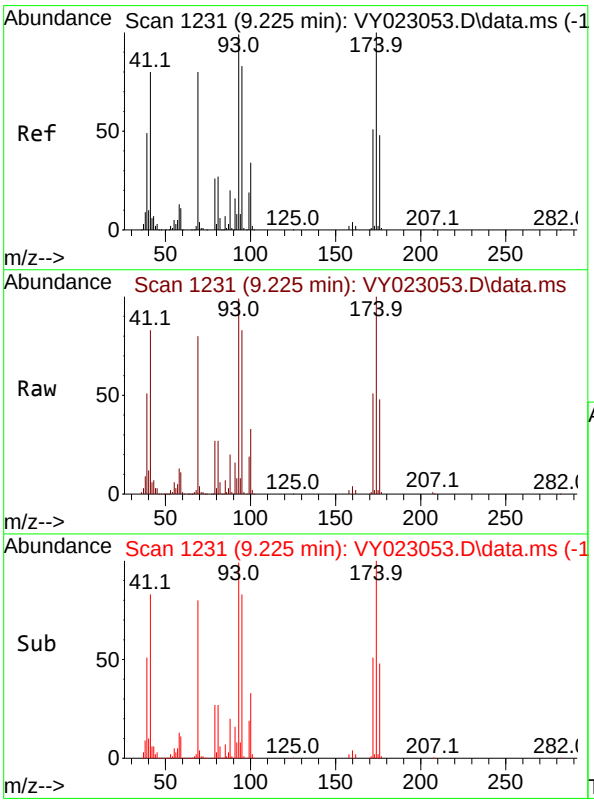
#45
1,2-Dichloropropane
Concen: 48.938 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 264354

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9

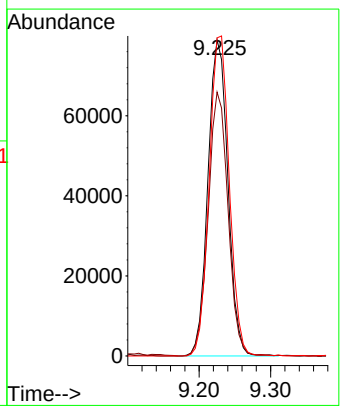


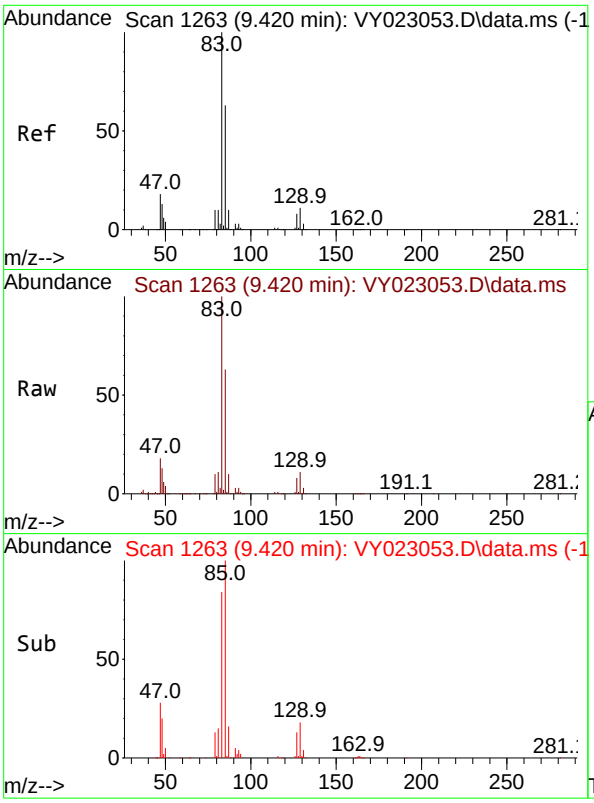


#46
Dibromomethane
Concen: 49.291 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 93 Resp: 152822

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	102.3	81.8	122.8



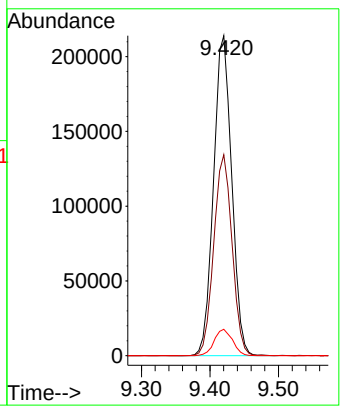


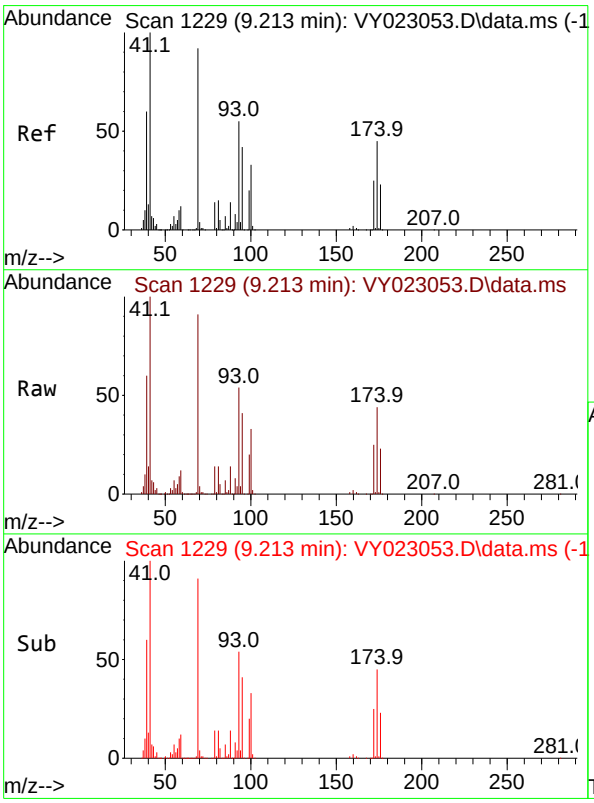
#47
Bromodichloromethane
Concen: 49.327 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 393523

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.3	6.6	10.0

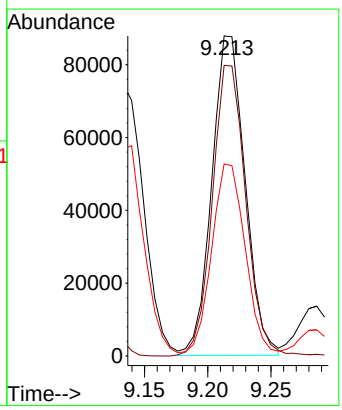


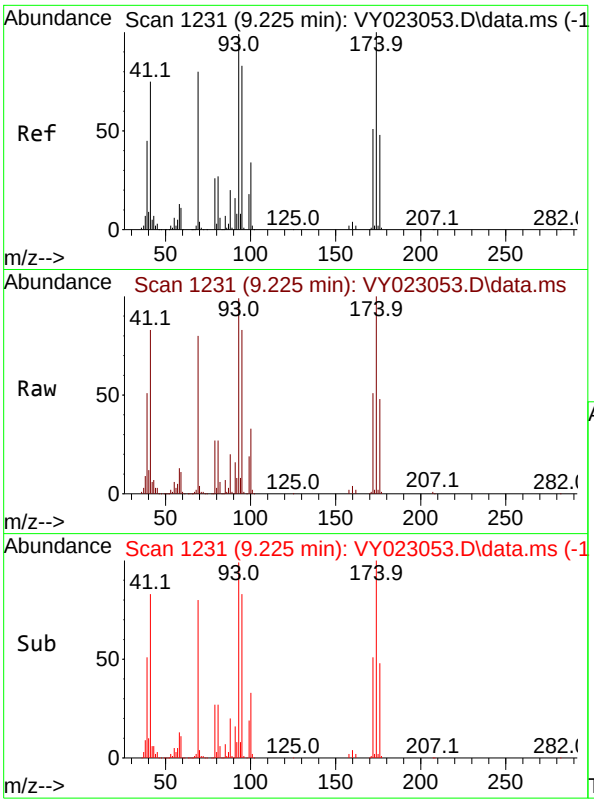


#48
Methyl methacrylate
Concen: 51.958 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 160792

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	58.7	47.0	70.4



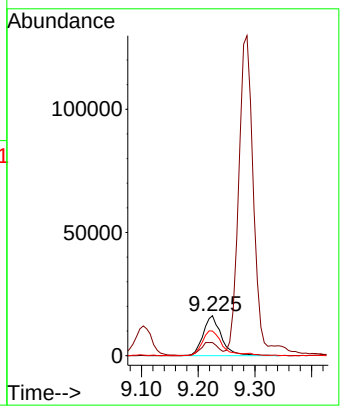


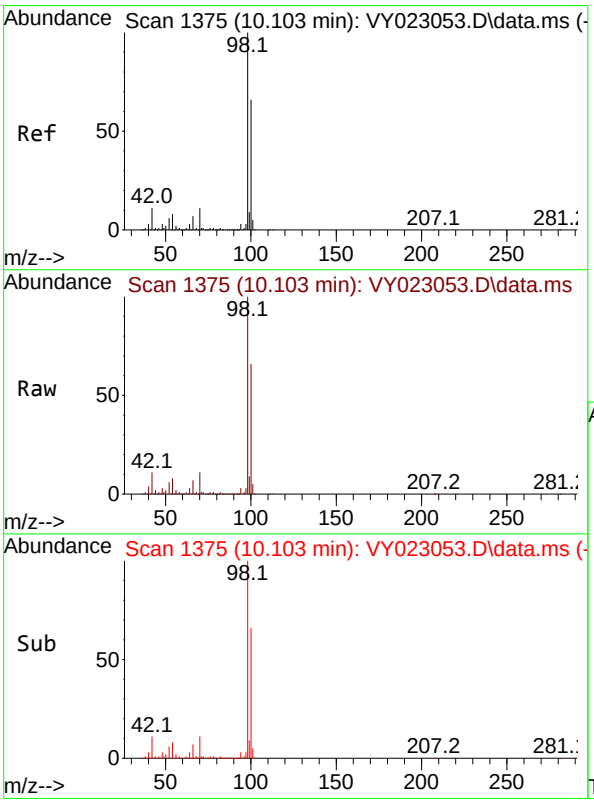
#49
1,4-Dioxane
Concen: 997.124 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 36249

Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.3	36.5
58	69.2	55.4	83.0

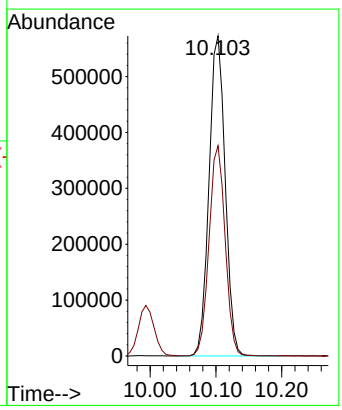


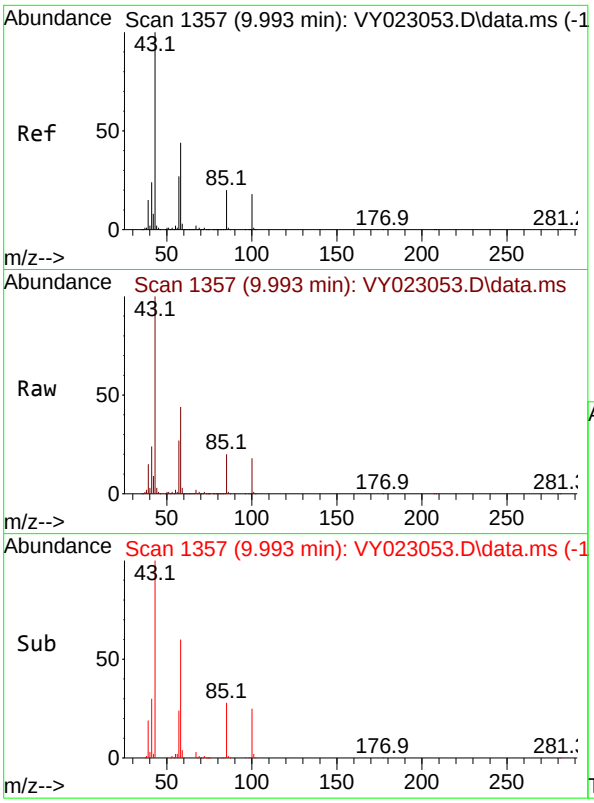


#50
Toluene-d8
Concen: 48.899 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 98 Resp: 979082

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5



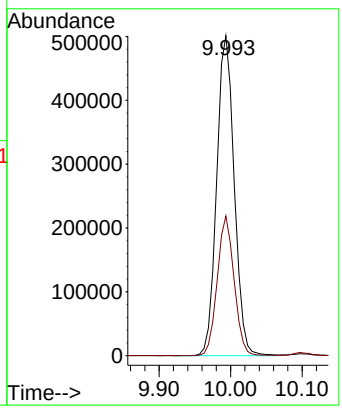


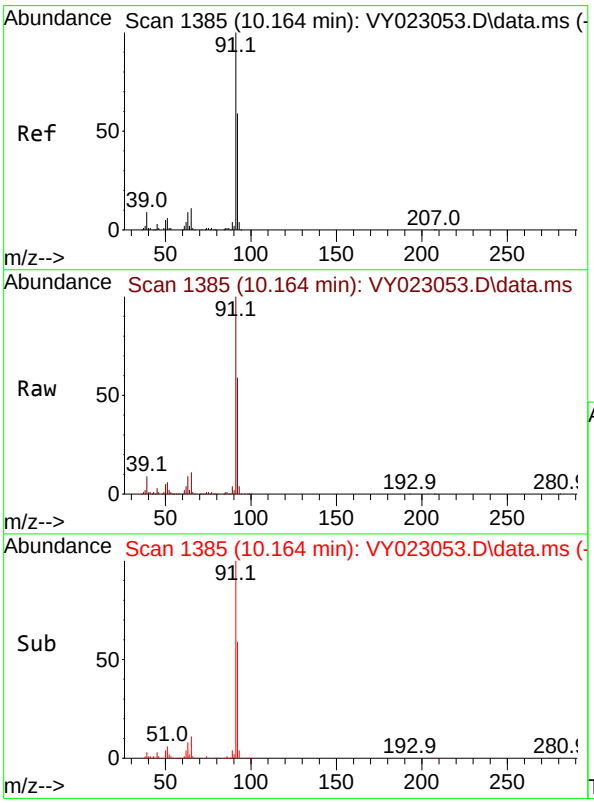
#51
4-Methyl-2-Pentanone
Concen: 255.710 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 853025

Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.5	50.3

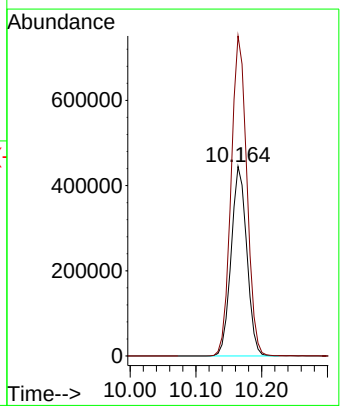


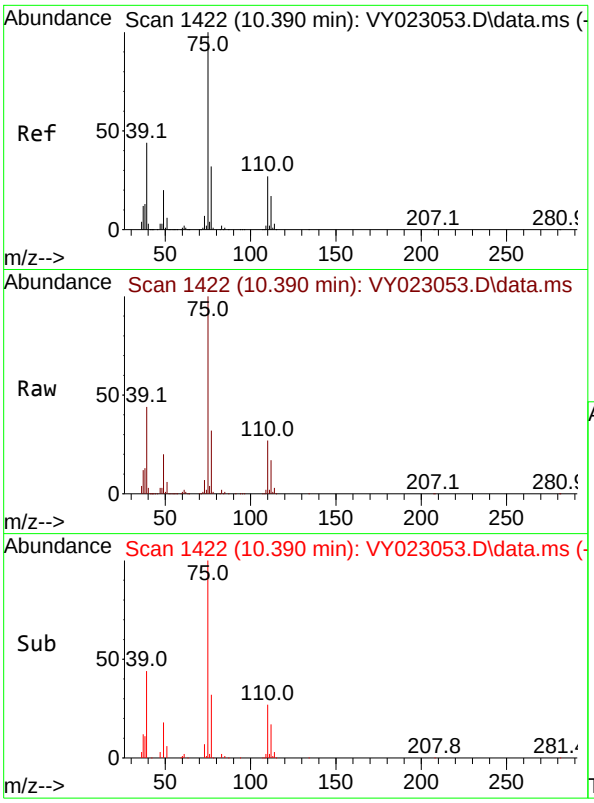


#52
Toluene
Concen: 49.315 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 92 Resp: 735326

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6



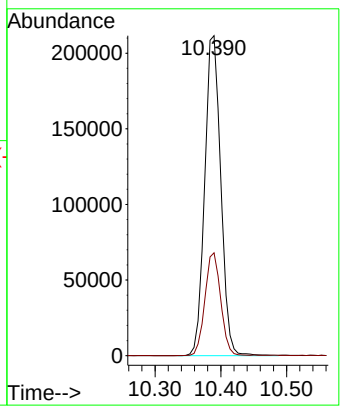


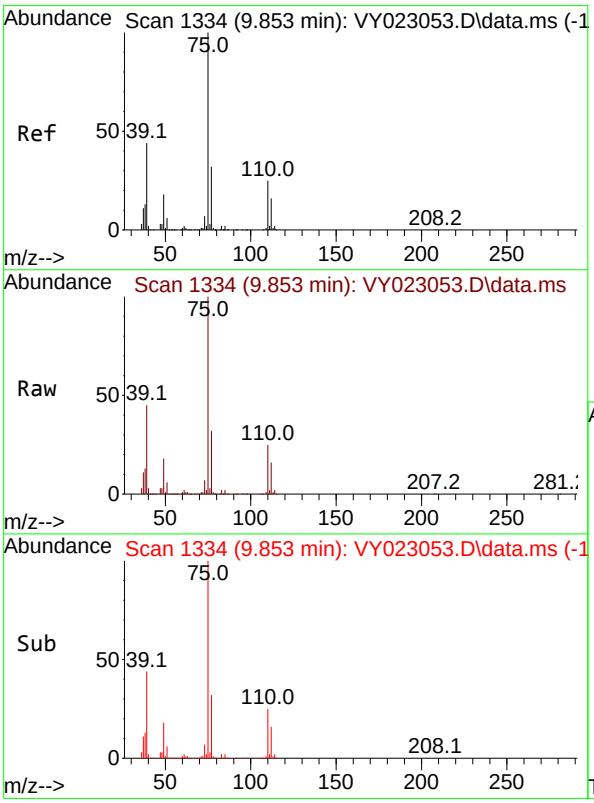
#53
t-1,3-Dichloropropene
Concen: 49.790 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 359698

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

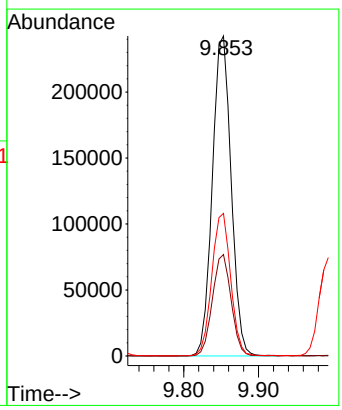


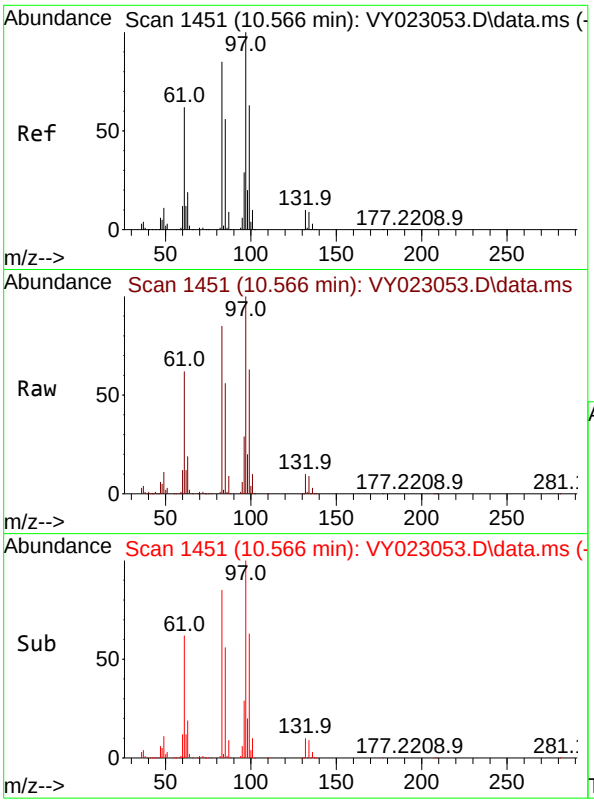


#54
cis-1,3-Dichloropropene
Concen: 49.731 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 424834

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	44.5	35.6	53.4



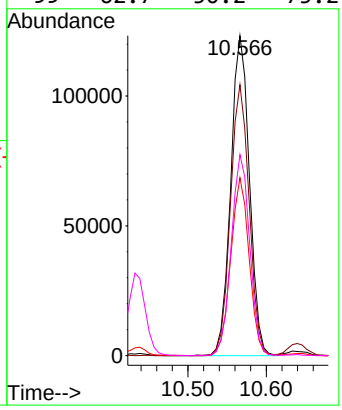


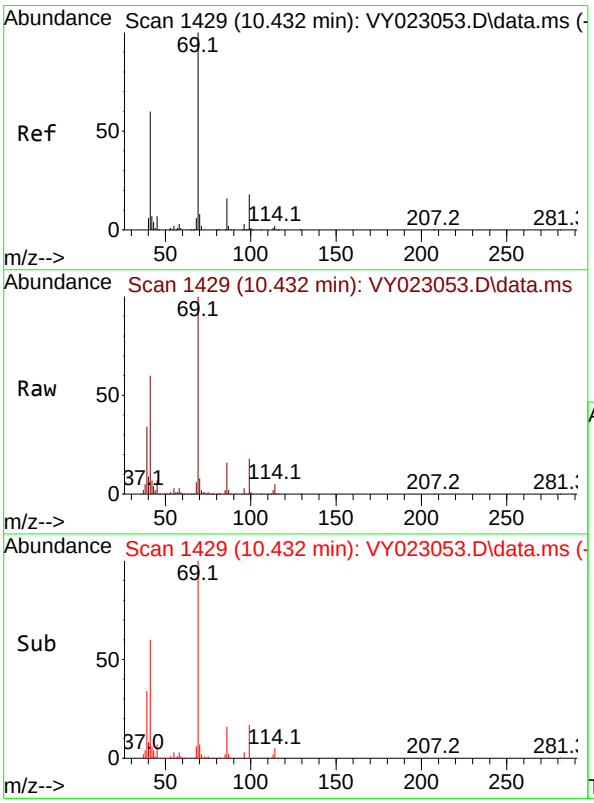
#55
1,1,2-Trichloroethane
Concen: 49.261 ug/l
RT: 10.566 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 204368

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	55.6	44.5	66.7
99	62.7	50.2	75.2

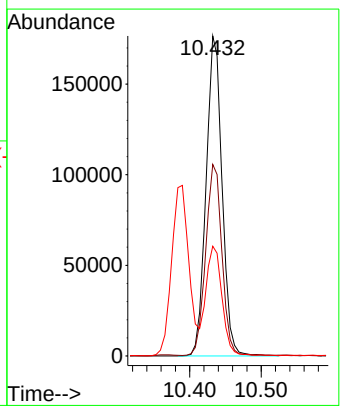


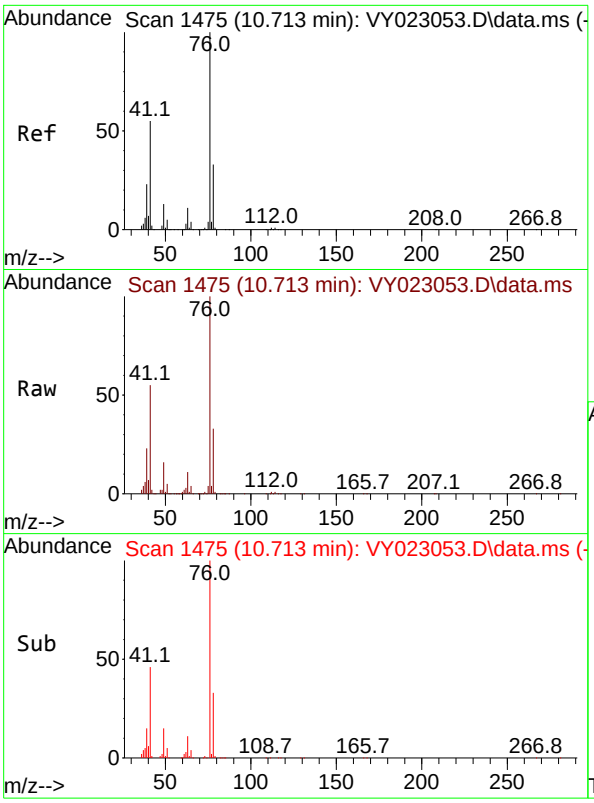


#56
Ethyl methacrylate
Concen: 51.576 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 69 Resp: 273801

Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.6	72.8
39	33.7	27.0	40.4



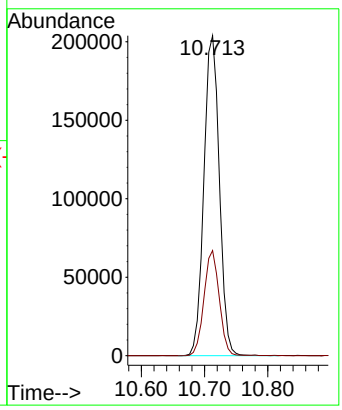


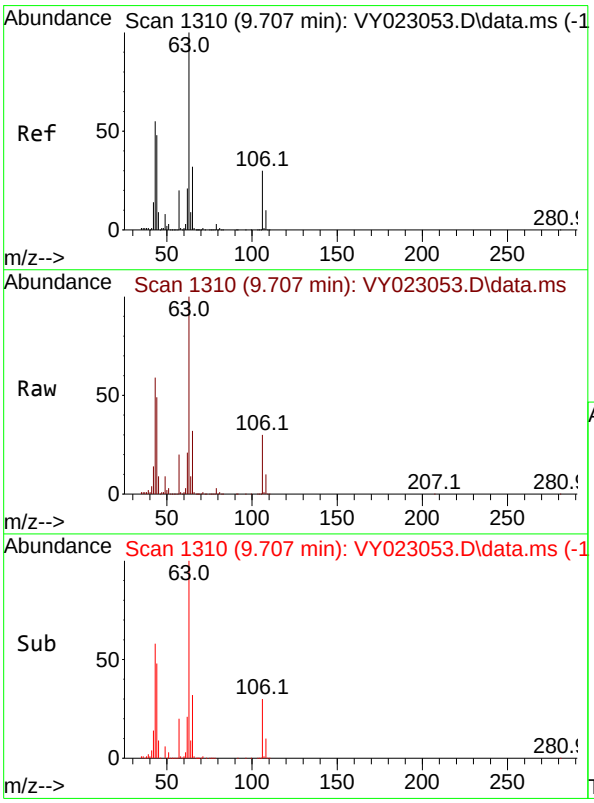
#57
1,3-Dichloropropane
Concen: 49.249 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 346510

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

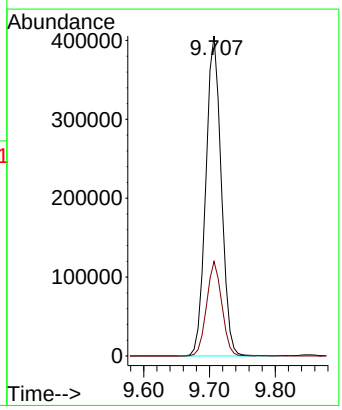


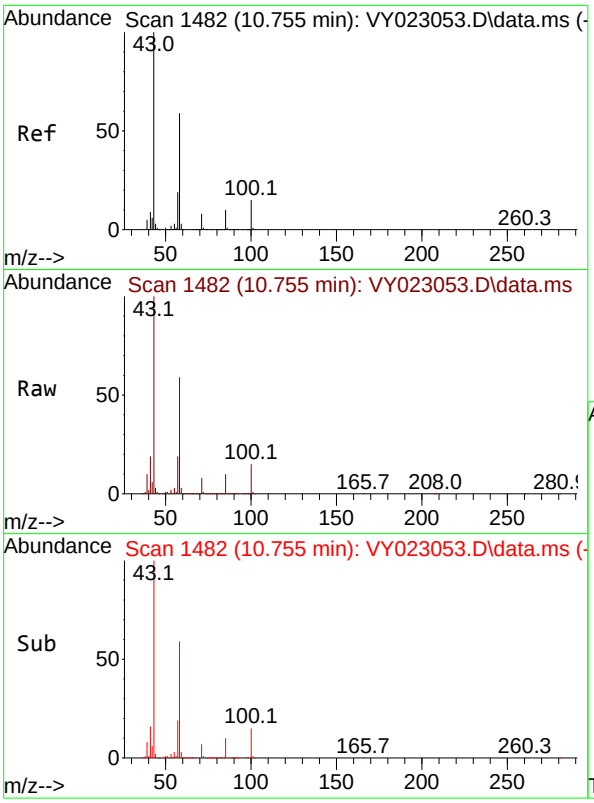


#58
2-Chloroethyl Vinyl ether
Concen: 264.906 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 663351

Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8



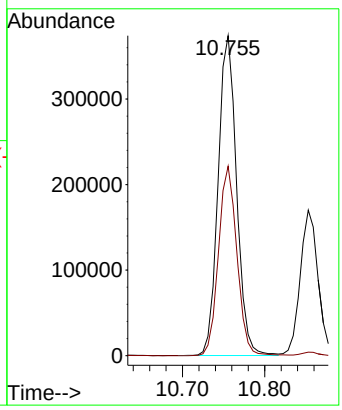


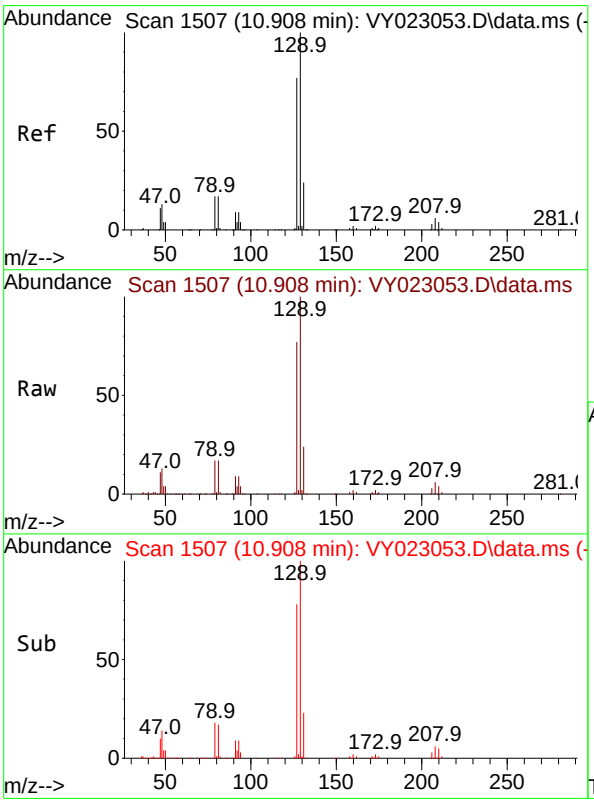
#59
2-Hexanone
Concen: 257.194 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 584223

Ion	Ratio	Lower	Upper
43	100		
58	59.0	29.5	88.5

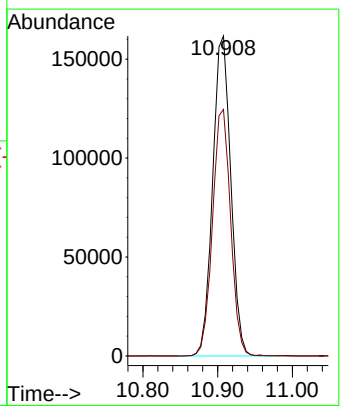


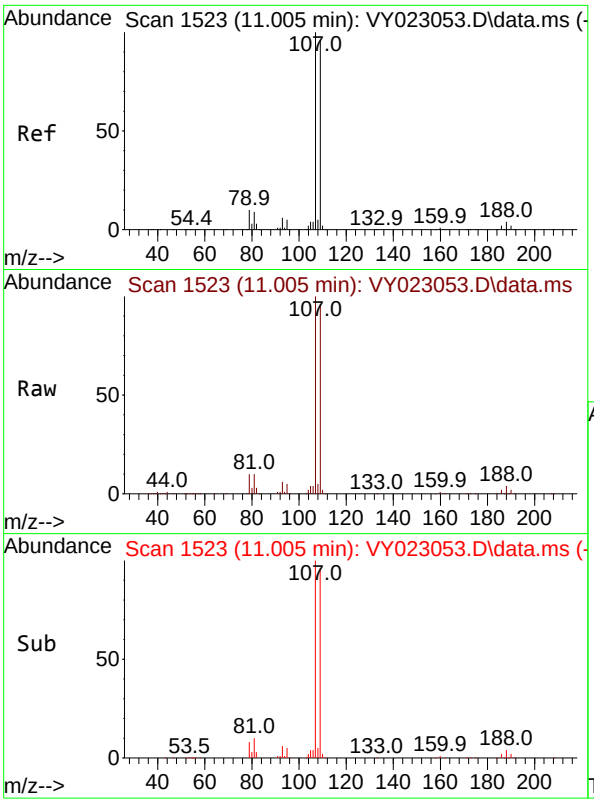


#60
Dibromochloromethane
Concen: 49.719 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:129 Resp: 272171

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



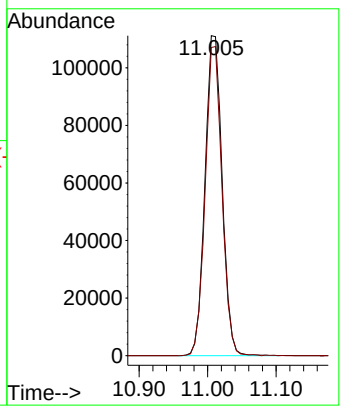


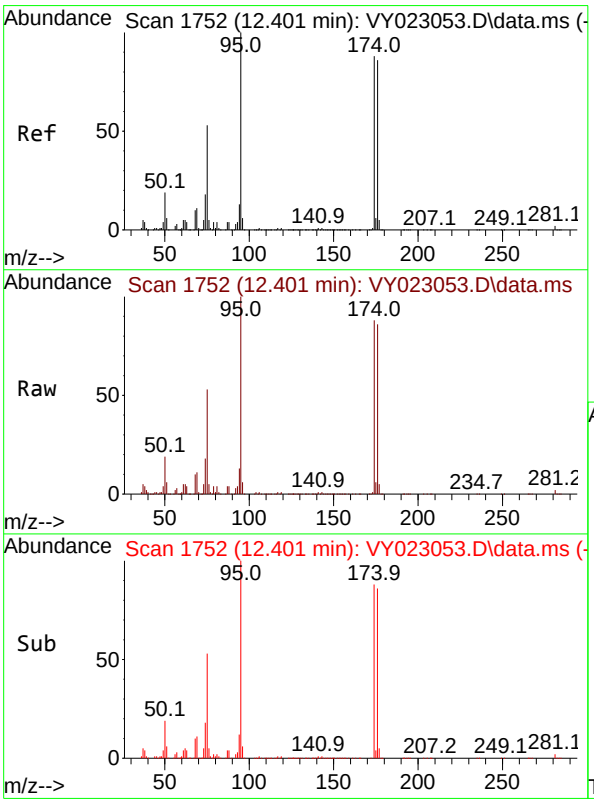
#61
1,2-Dibromoethane
Concen: 49.598 ug/l
RT: 11.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 193398

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

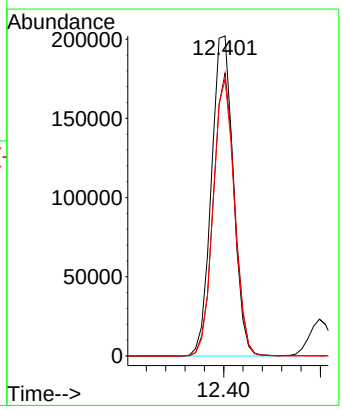


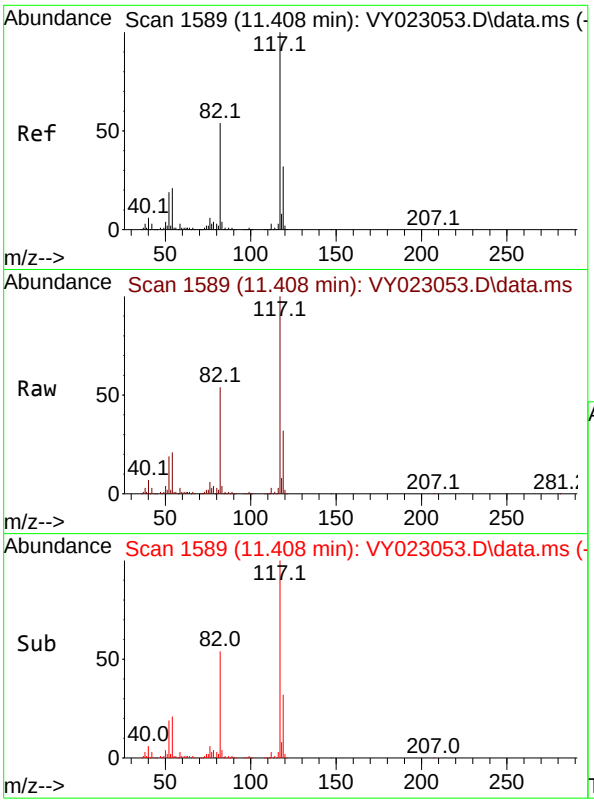


#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 95 Resp: 316770

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	171.6
176	83.8	0.0	167.6



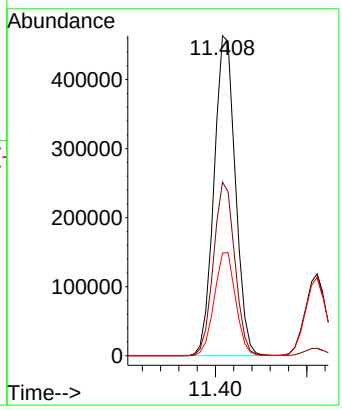


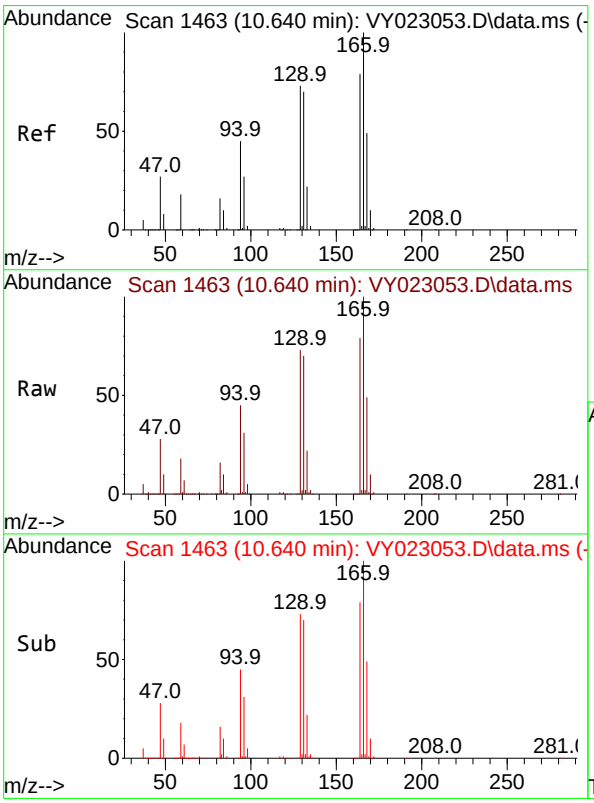
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 751969

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	32.0	25.6	38.4

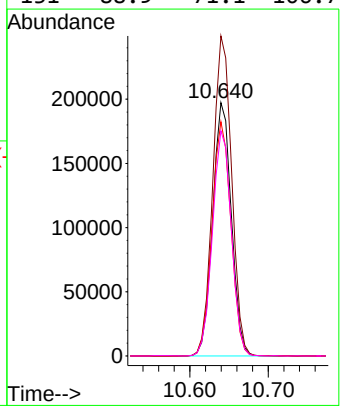


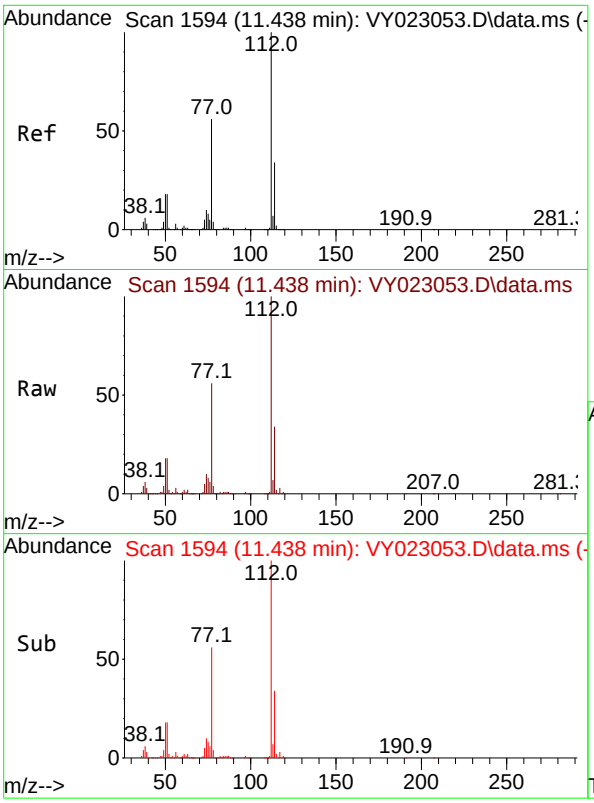


#64
Tetrachloroethene
Concen: 48.740 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:164 Resp: 327271

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.1	151.7
129	92.5	74.0	111.0
131	88.9	71.1	106.7



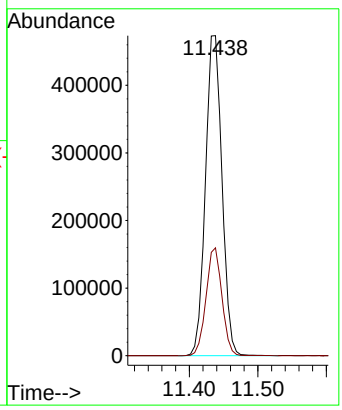


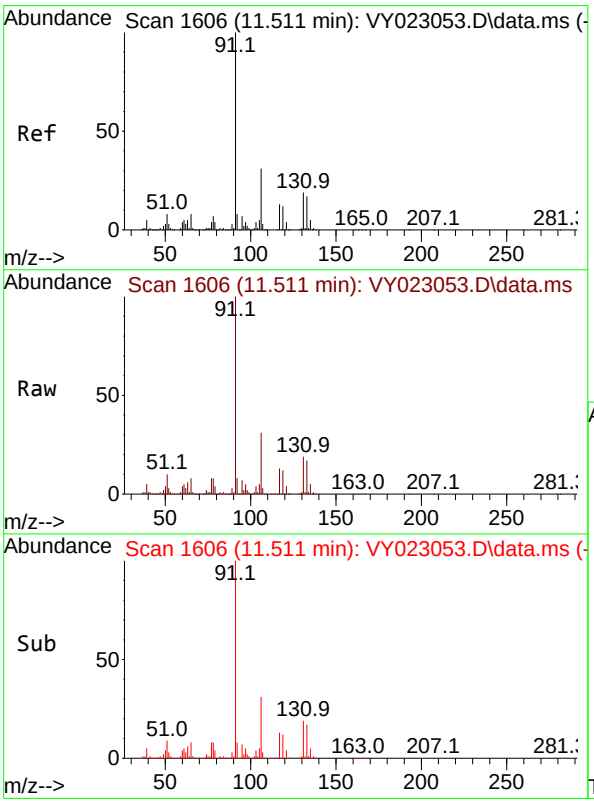
#65
Chlorobenzene
Concen: 48.920 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 793490

Ion	Ratio	Lower	Upper
112	100		
114	33.7	27.0	40.4

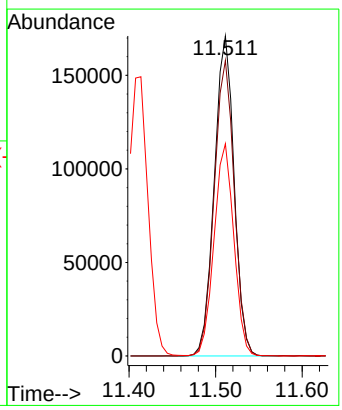


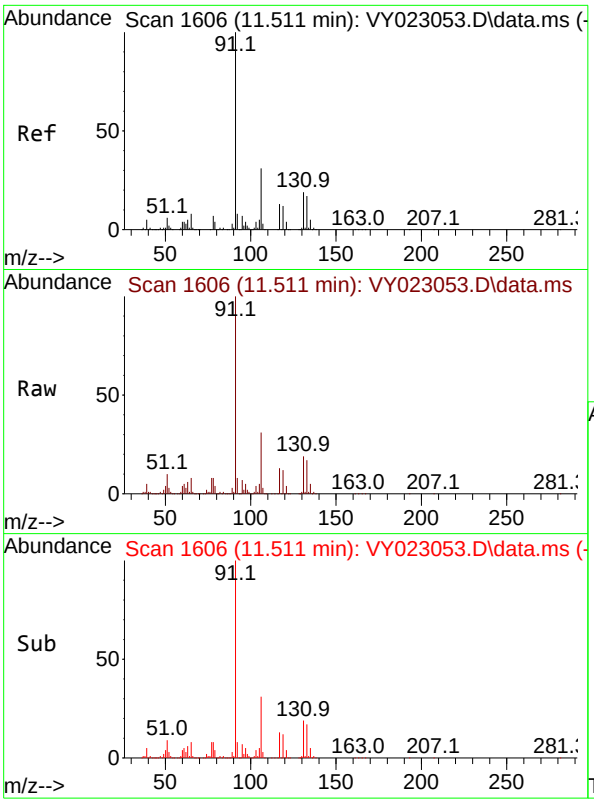


#66
1,1,1,2-Tetrachloroethane
Concen: 49.381 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:131 Resp: 271839

Ion	Ratio	Lower	Upper
131	100		
133	93.7	46.9	140.6
119	66.4	33.2	99.6



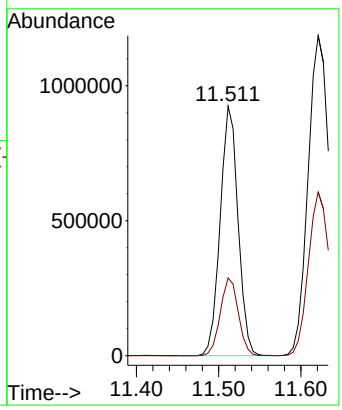


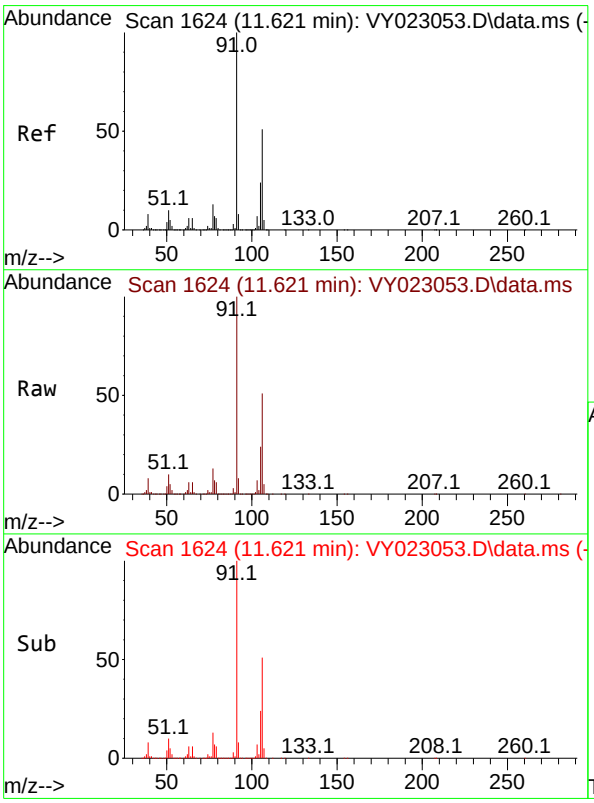
#67
Ethyl Benzene
Concen: 50.073 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1397704

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4

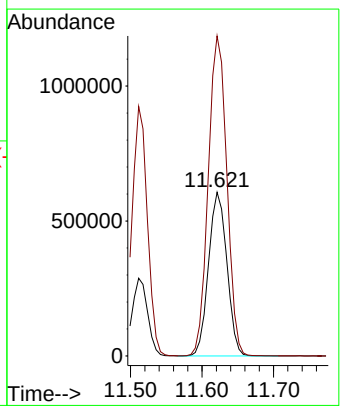


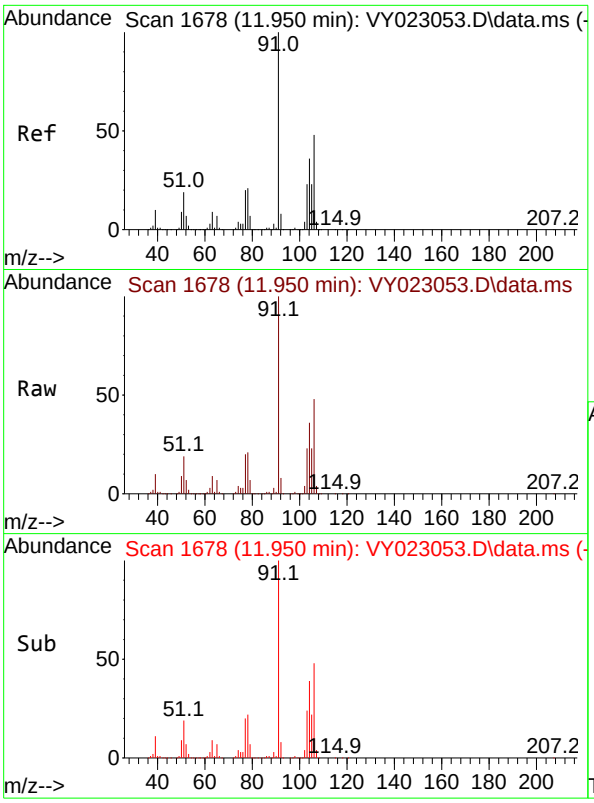


#68
m/p-Xylenes
Concen: 99.103 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:106 Resp: 1080401

Ion	Ratio	Lower	Upper
106	100		
91	198.3	158.6	238.0



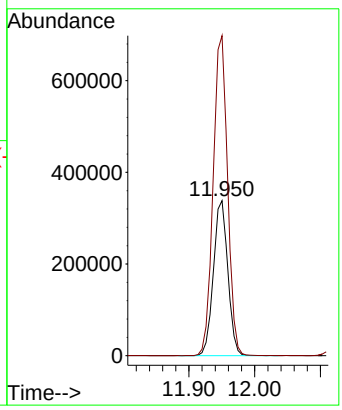


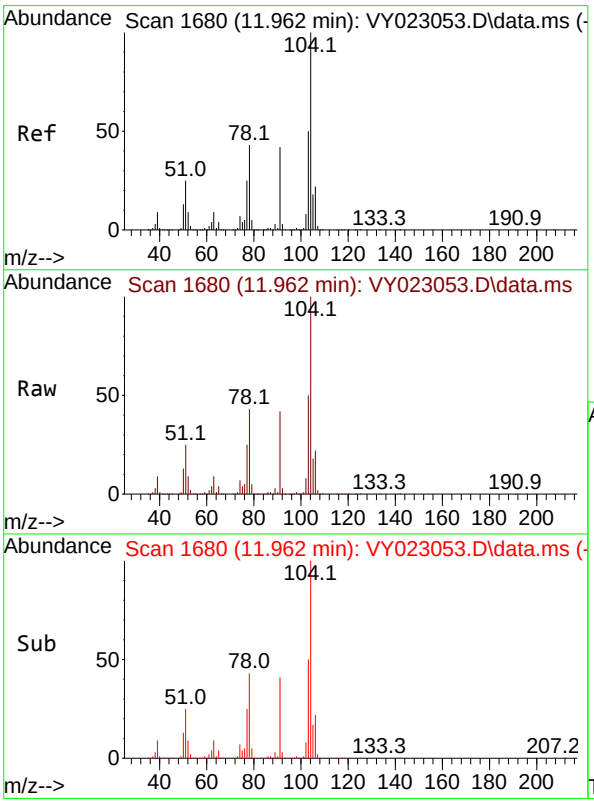
#69
o-Xylene
Concen: 50.536 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 516002

Ion	Ratio	Lower	Upper
106	100		
91	206.3	103.2	309.4

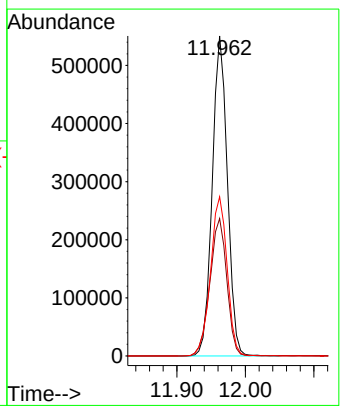


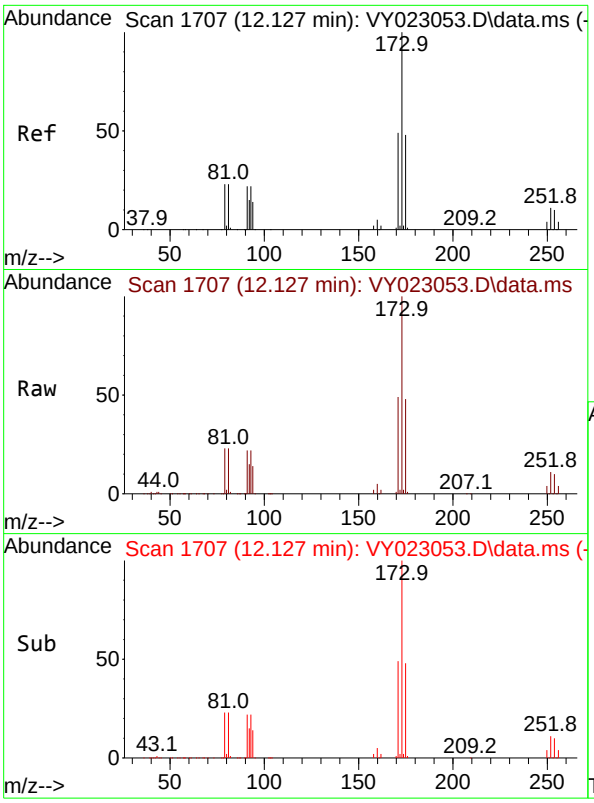


#70
Styrene
Concen: 50.569 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:104 Resp: 844409

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	54.6	43.7	65.5



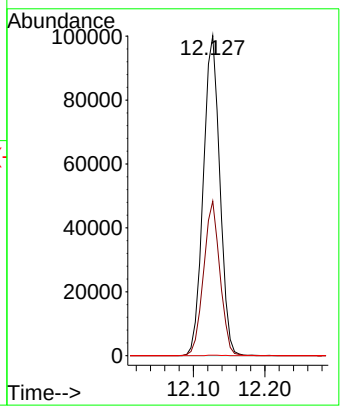


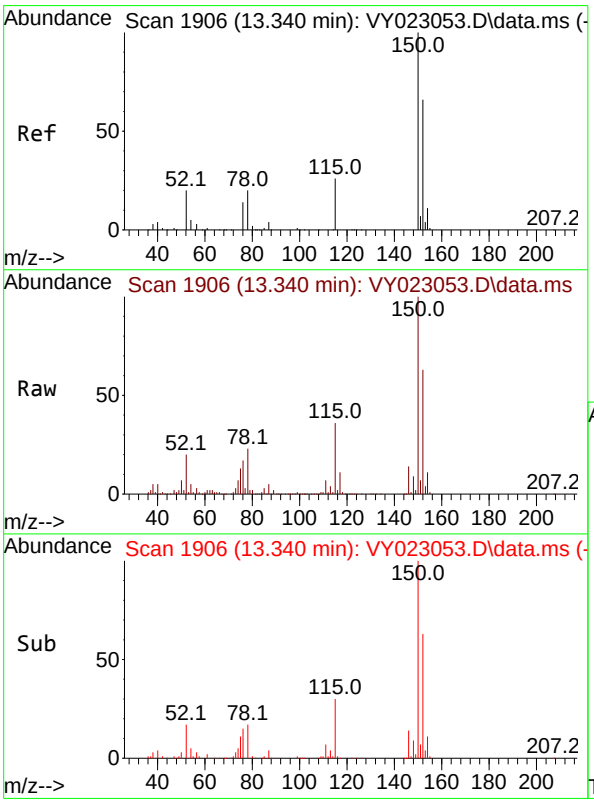
#71
Bromoform
Concen: 49.969 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 160769

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.7
254	0.1	0.1	0.1#

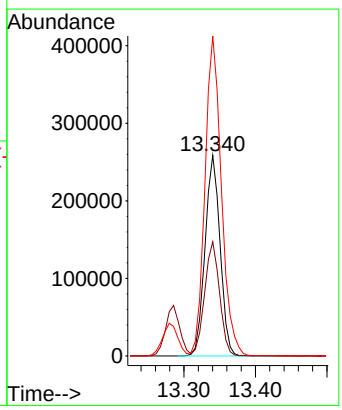


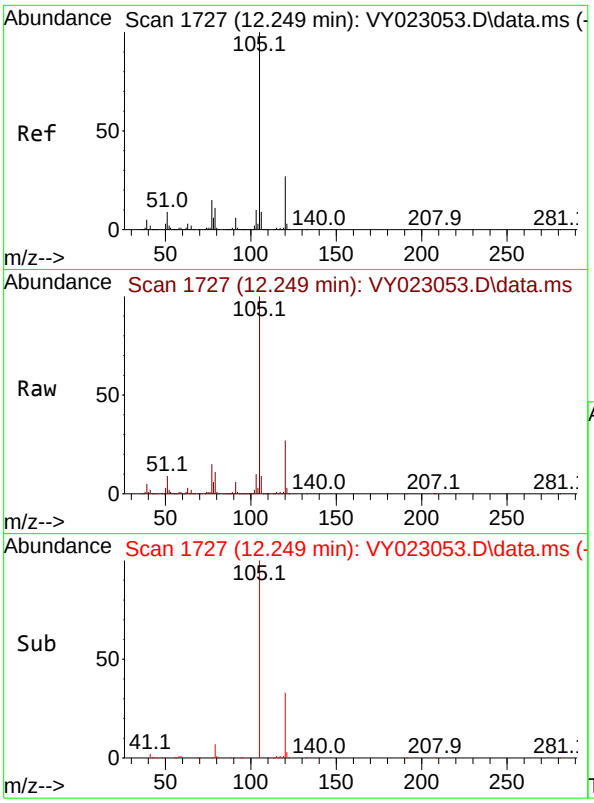


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:152 Resp: 377839

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	174.0	0.0	348.0



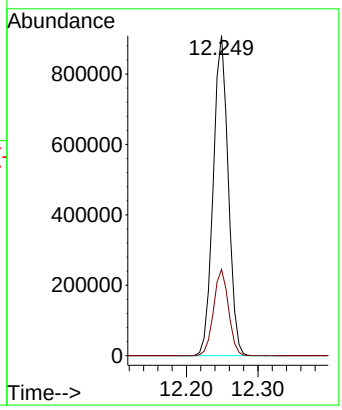


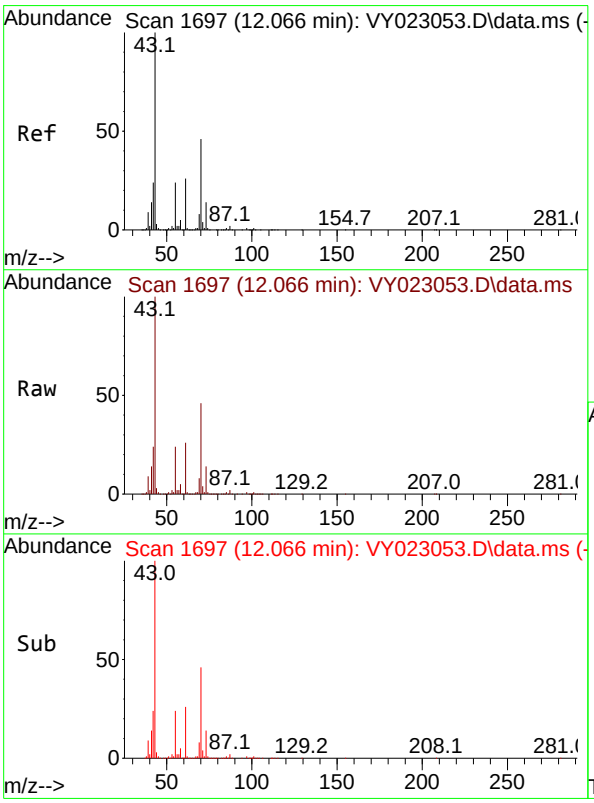
#73
Isopropylbenzene
Concen: 49.660 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 1324313

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

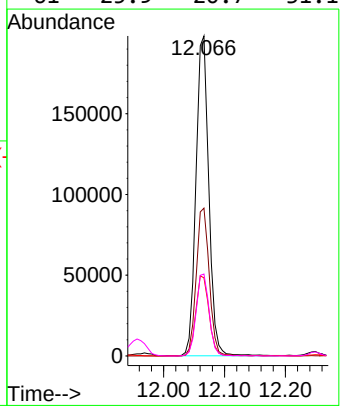


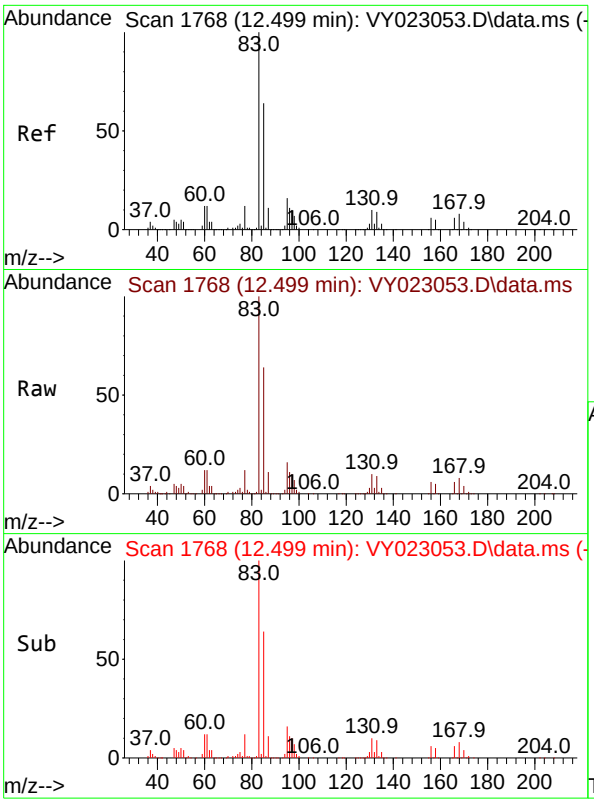


#74
N-amyl acetate
Concen: 51.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 289914

Ion	Ratio	Lower	Upper
43	100		
70	46.9	37.5	56.3
55	25.9	20.7	31.1
61	25.9	20.7	31.1



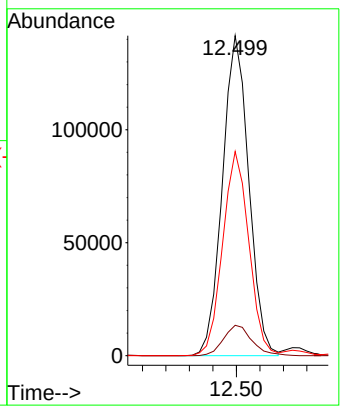


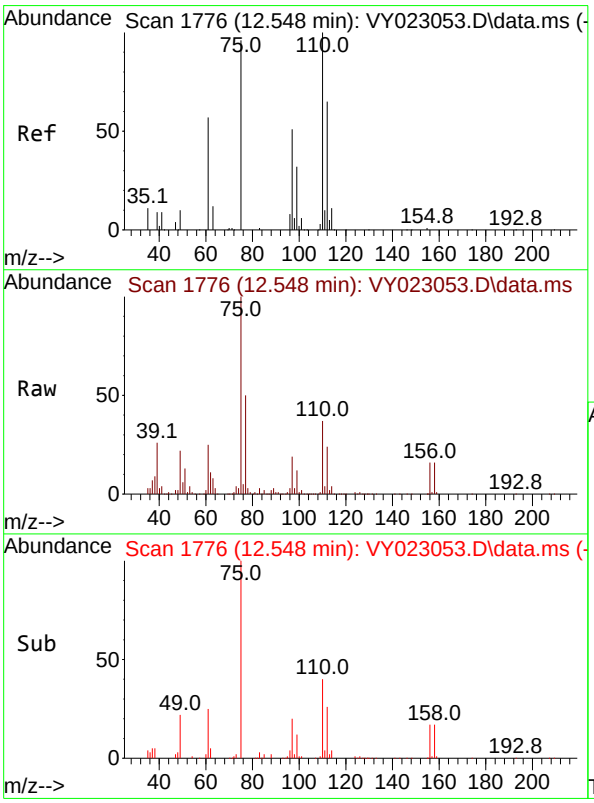
#75
1,1,2,2-Tetrachloroethane
Concen: 48.503 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 220853

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	63.5	31.8	95.3

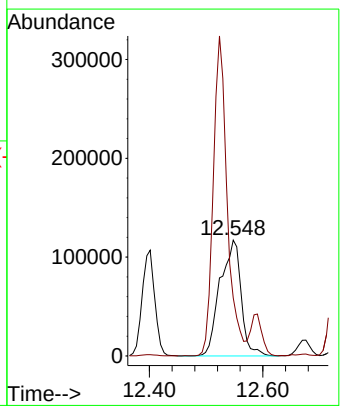


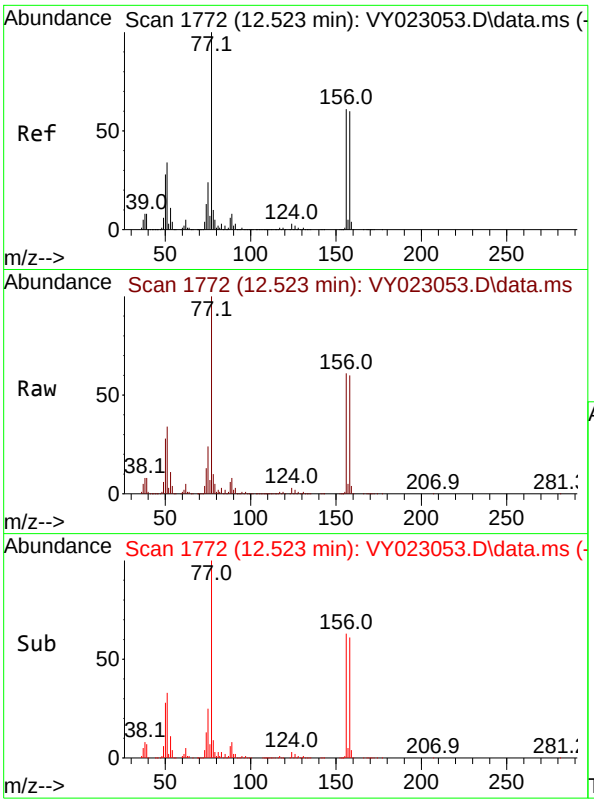


#76
1,2,3-Trichloropropane
Concen: 83.064 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 303093

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



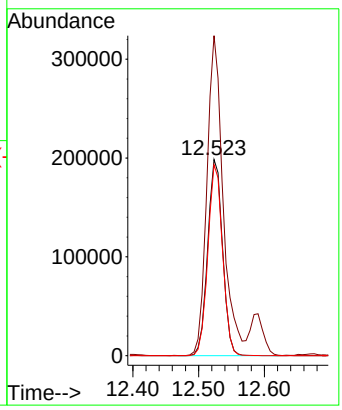


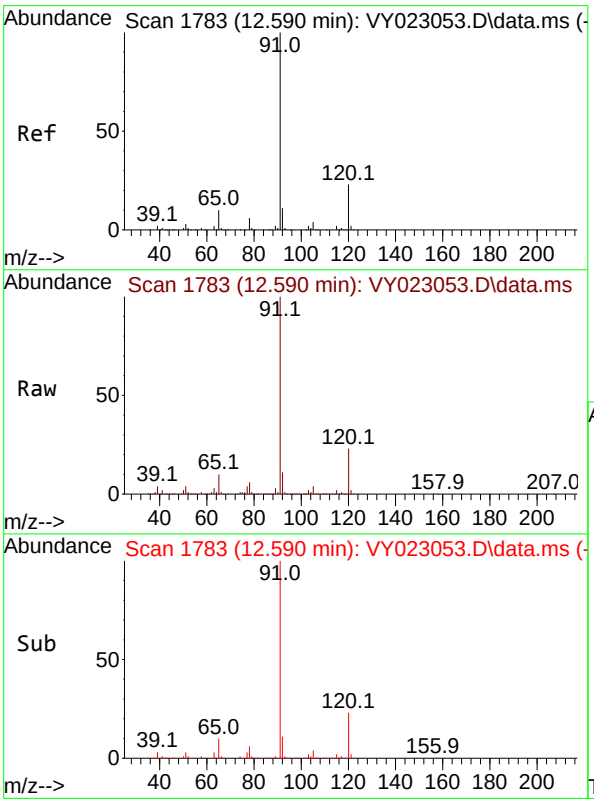
#77
Bromobenzene
Concen: 49.152 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 312706

Ion	Ratio	Lower	Upper
156	100		
77	176.3	88.1	264.4
158	96.0	48.0	144.0

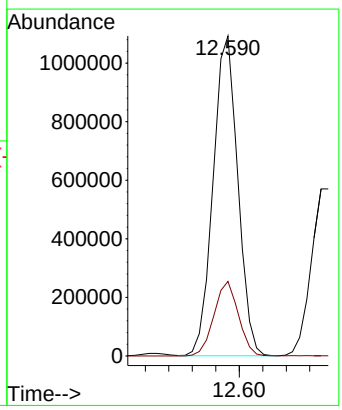


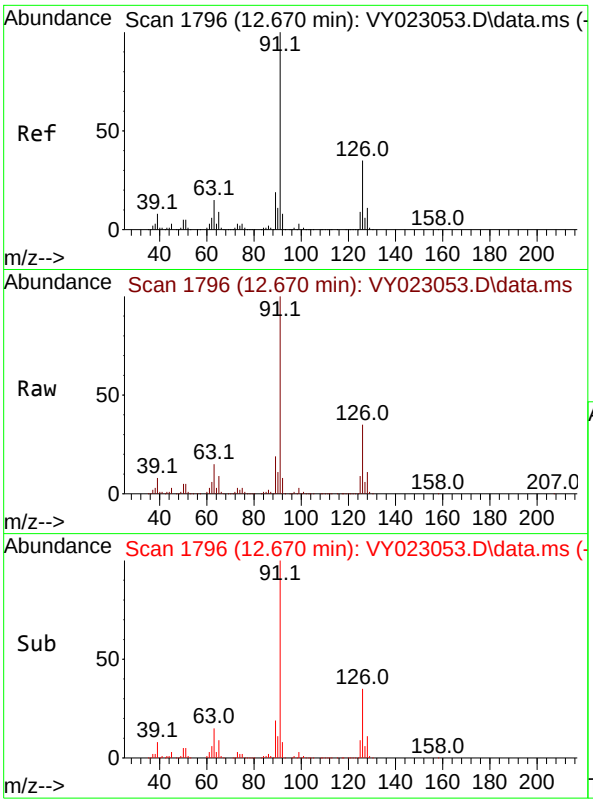


#78
n-propylbenzene
Concen: 50.186 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 1593368

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5



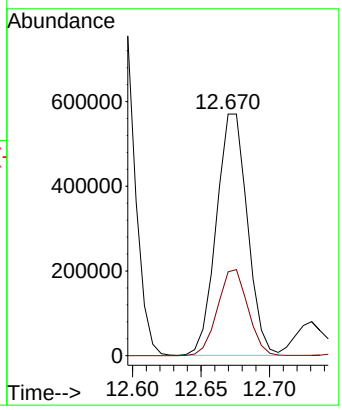


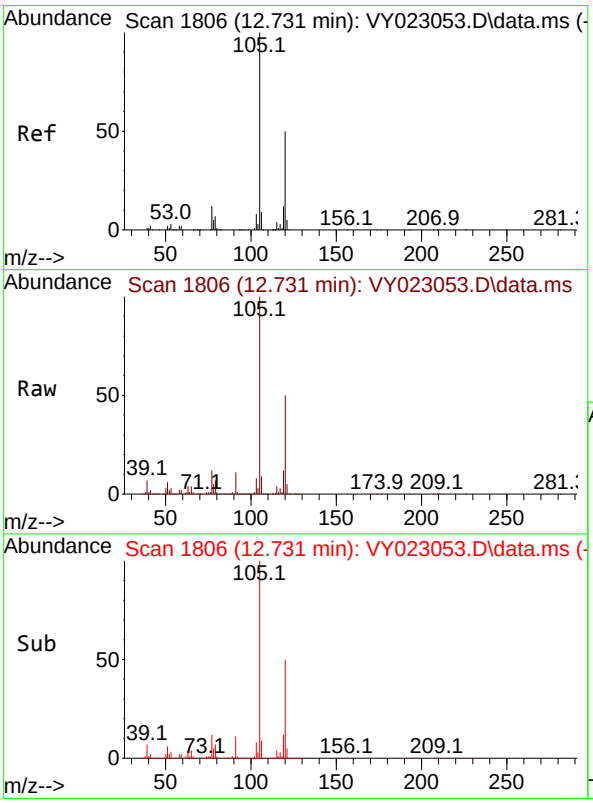
#79
2-Chlorotoluene
Concen: 49.473 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 899967

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3

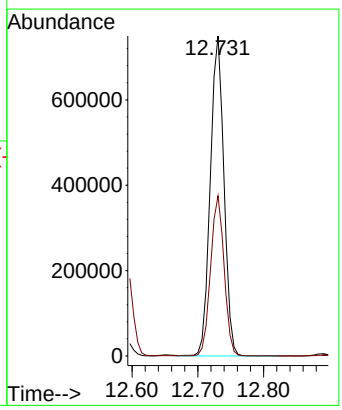


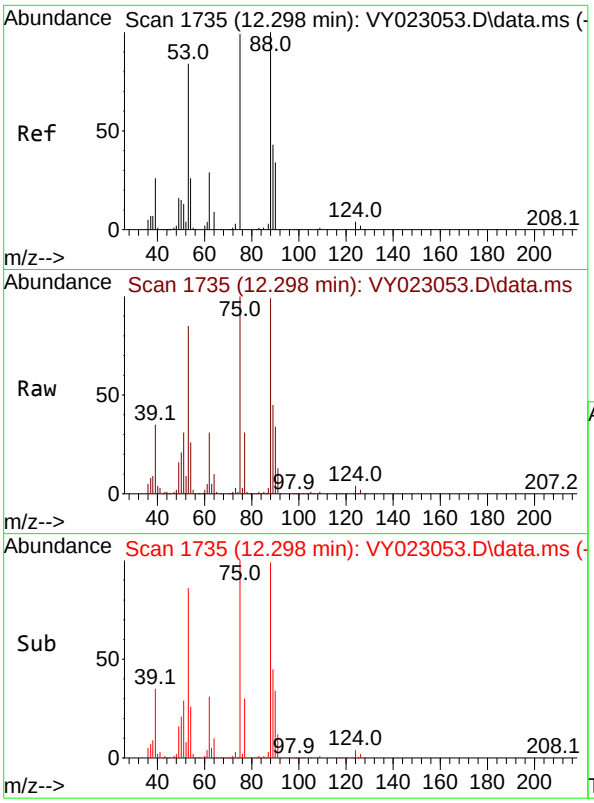


#80
1,3,5-Trimethylbenzene
Concen: 50.126 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 1080333

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.8	74.4



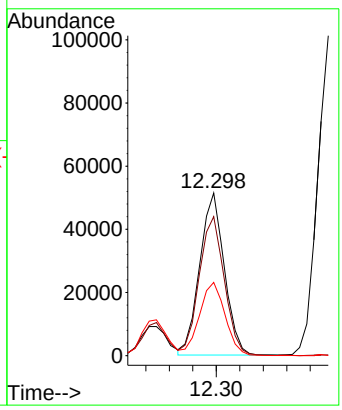


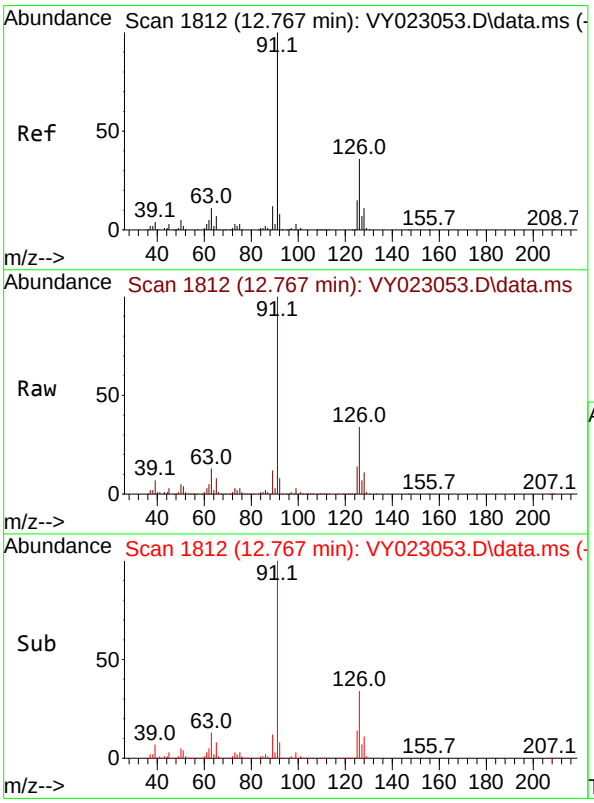
#81
trans-1,4-Dichloro-2-butene
Concen: 49.500 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 74567

Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.8	106.2
89	47.6	38.1	57.1

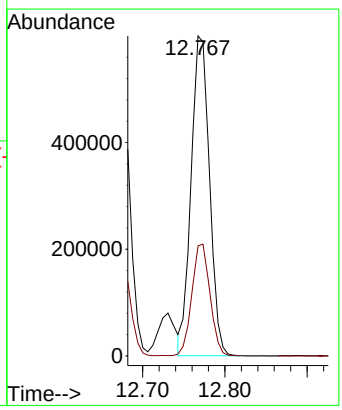


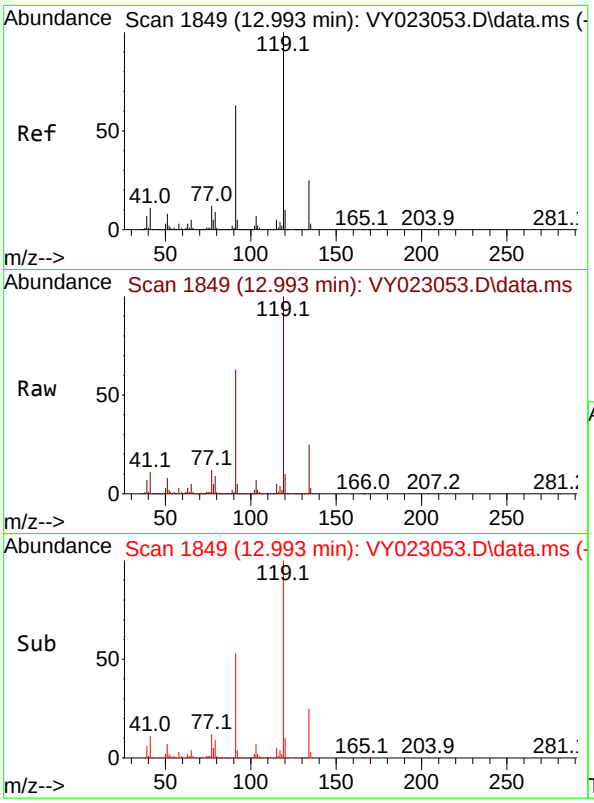


#82
4-Chlorotoluene
Concen: 49.299 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 930329

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



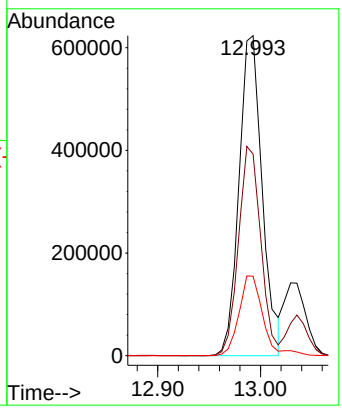


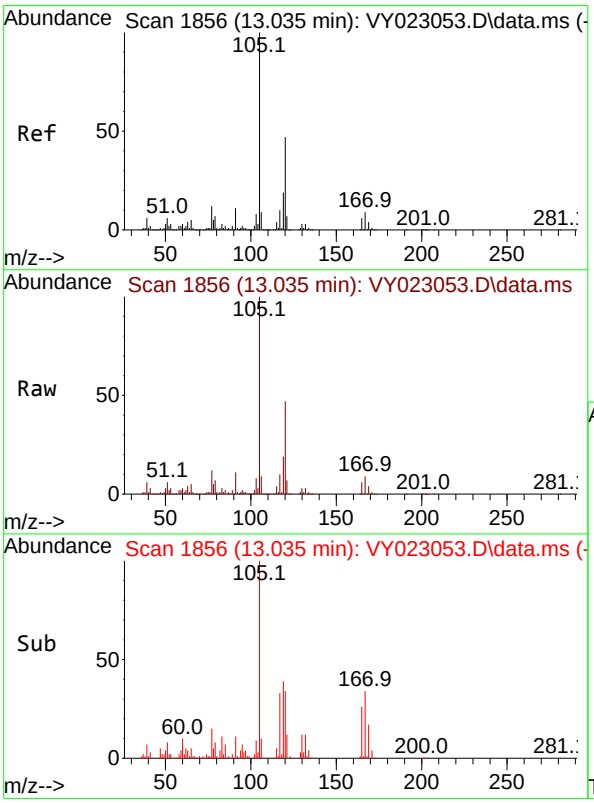
#83
tert-Butylbenzene
Concen: 50.244 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 978031

Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.6	94.8
134	25.8	12.9	38.7

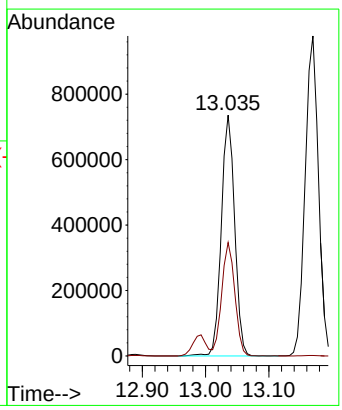


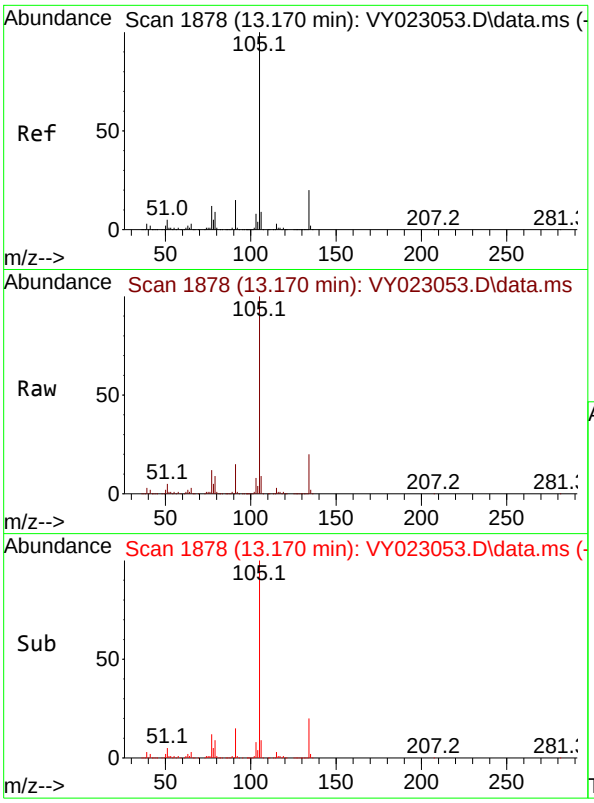


#84
1,2,4-Trimethylbenzene
Concen: 49.963 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 1071926

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0



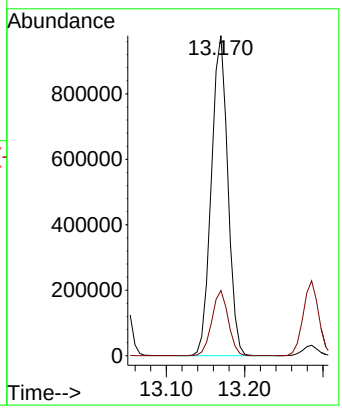


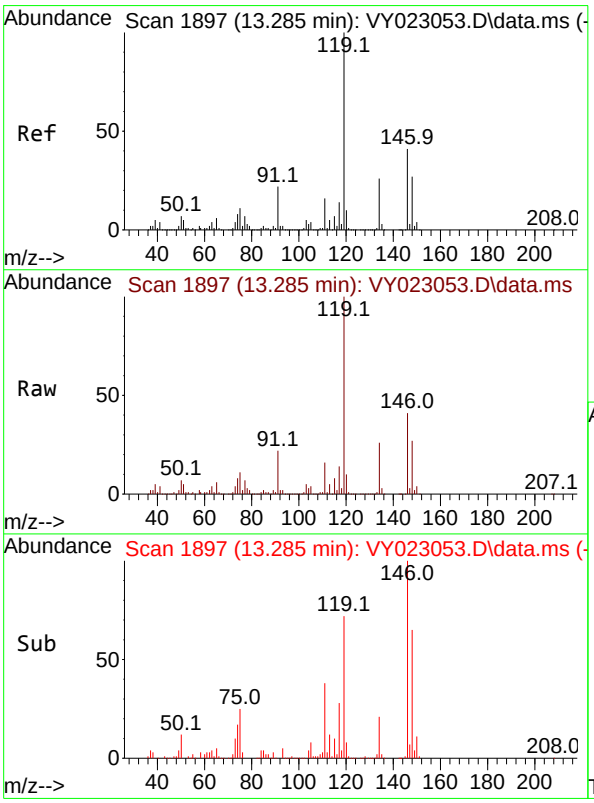
#85
sec-Butylbenzene
Concen: 49.854 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 1425553

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

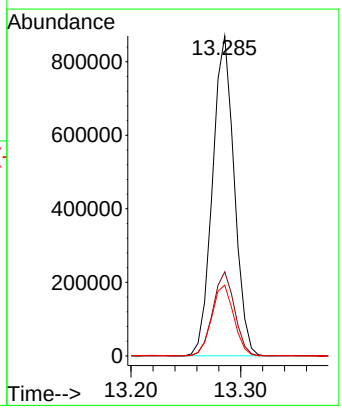


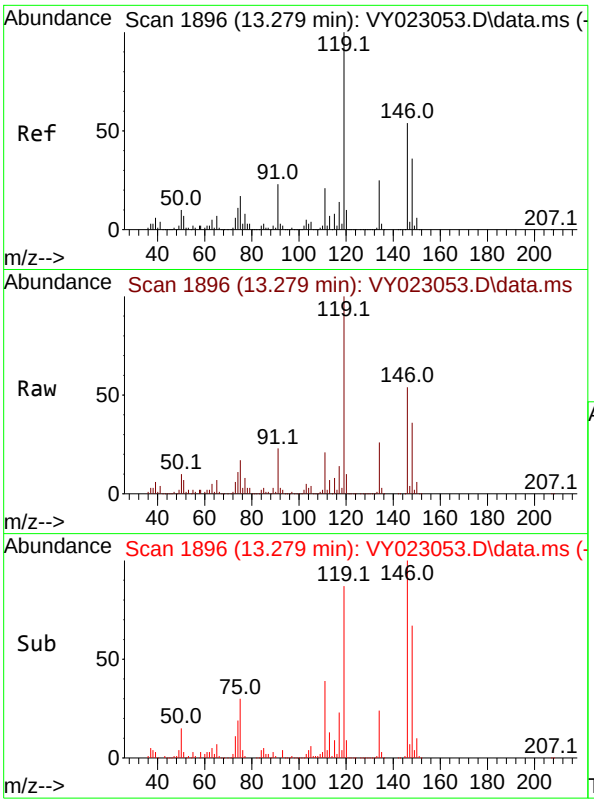


#86
p-Isopropyltoluene
Concen: 50.417 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:119 Resp: 1196645

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	22.5	11.3	33.8



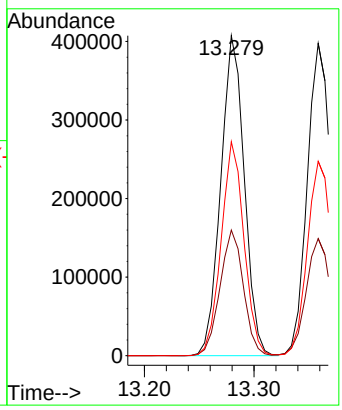


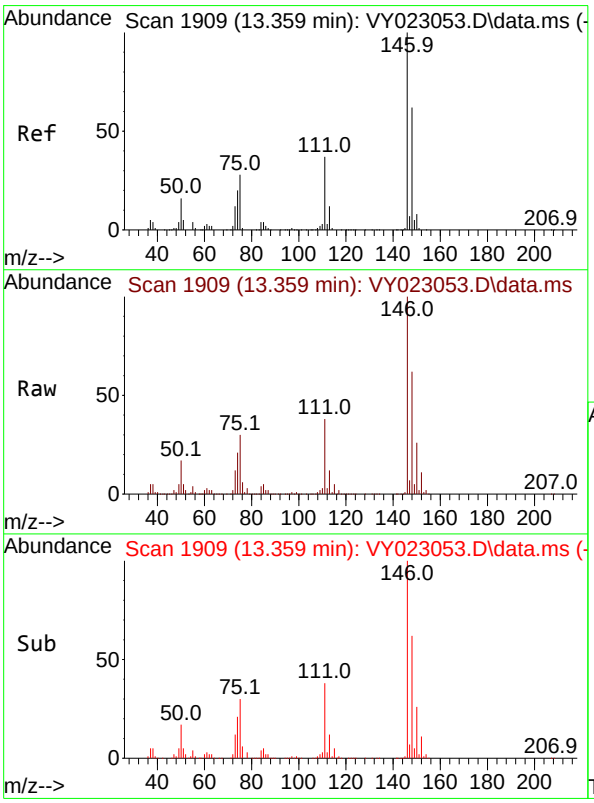
#87
1,3-Dichlorobenzene
Concen: 48.481 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 608249

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	65.0	32.5	97.5

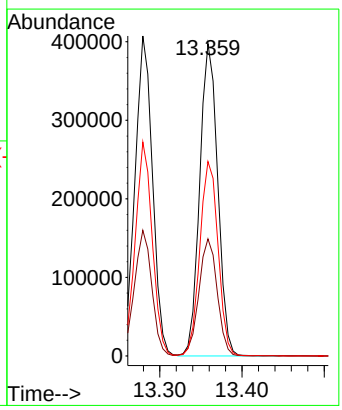


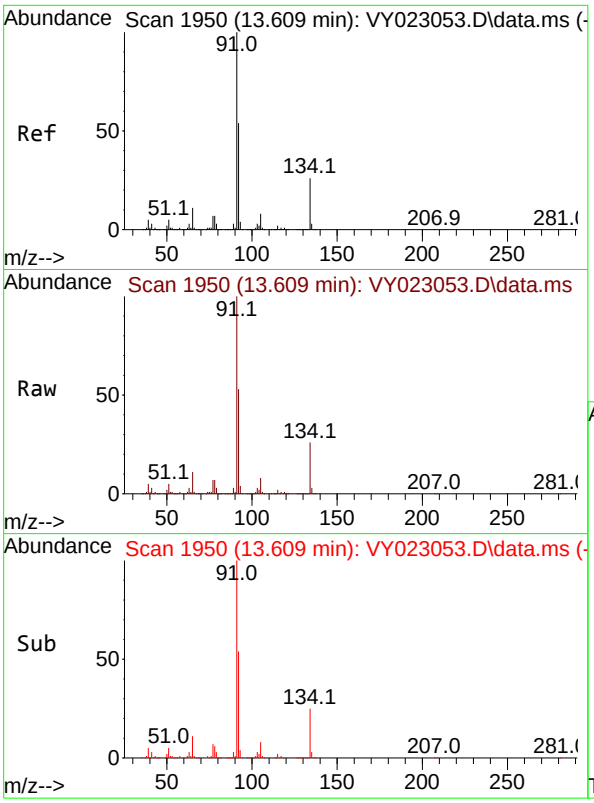


#88
1,4-Dichlorobenzene
Concen: 48.618 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:146 Resp: 605079

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.1	31.6	94.7



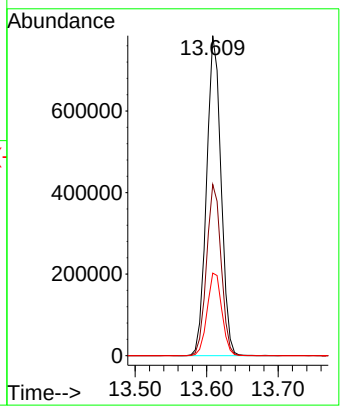


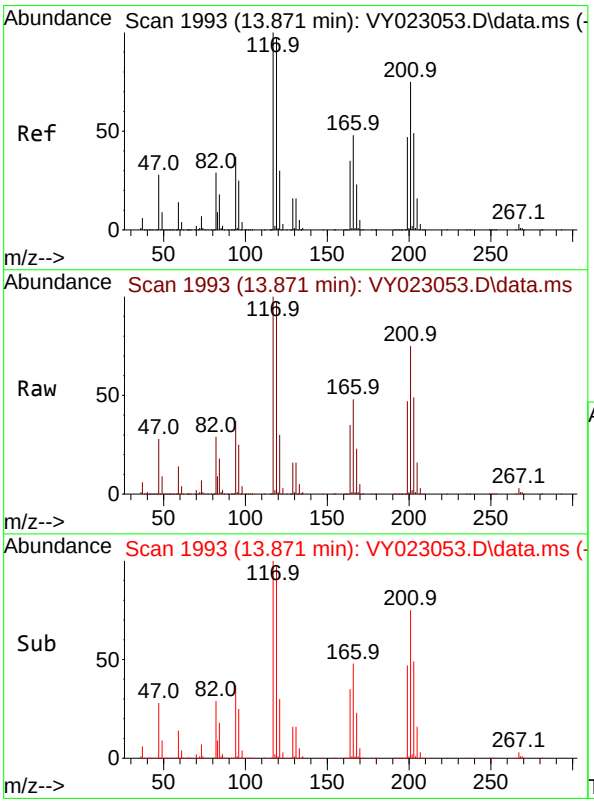
#89
n-Butylbenzene
Concen: 50.454 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1099864

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	26.3	13.2	39.5

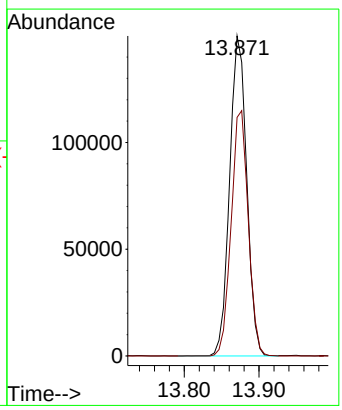


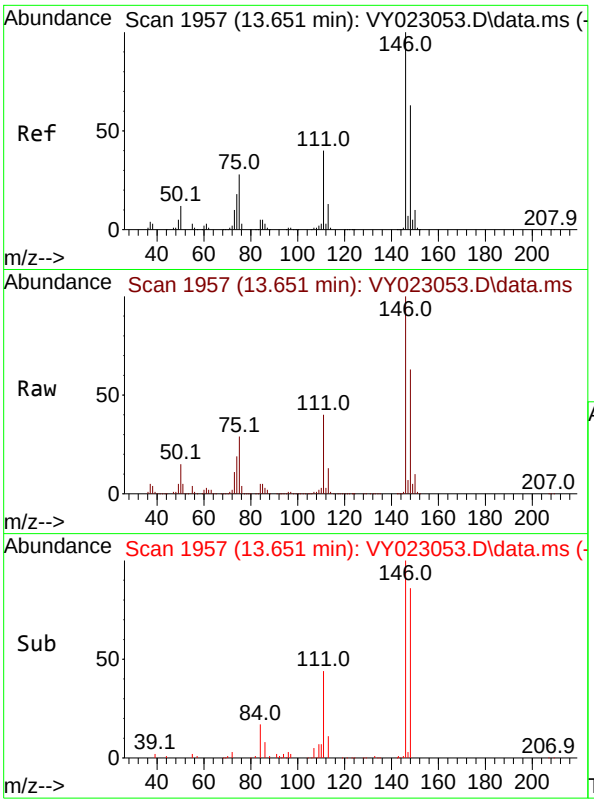


#90
Hexachloroethane
Concen: 48.984 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:117 Resp: 238005

Ion	Ratio	Lower	Upper
117	100		
201	76.7	38.4	115.1



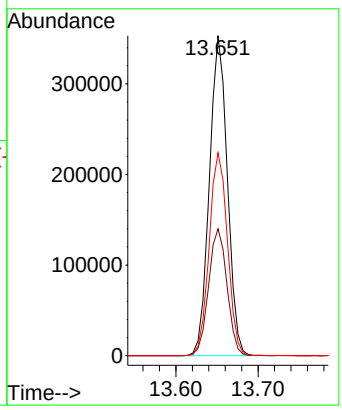


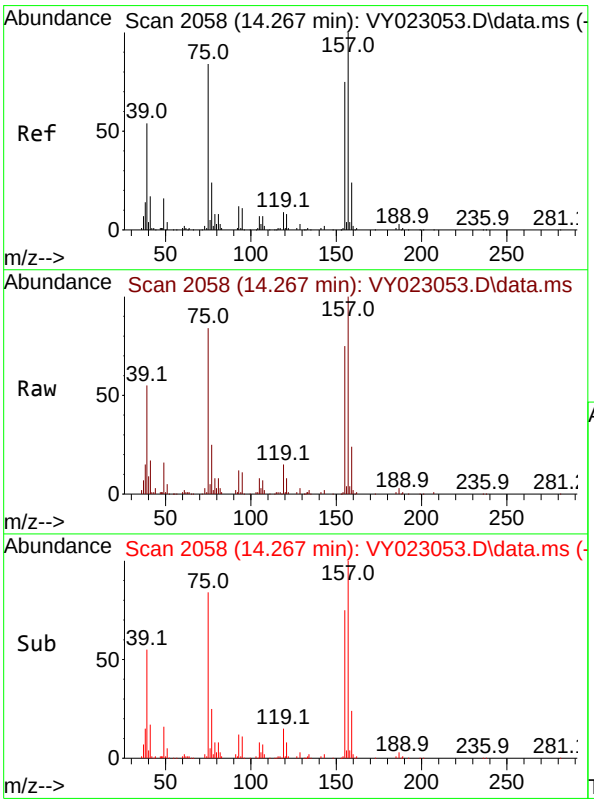
#91
1,2-Dichlorobenzene
Concen: 48.772 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 536637

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.4	32.2	96.6

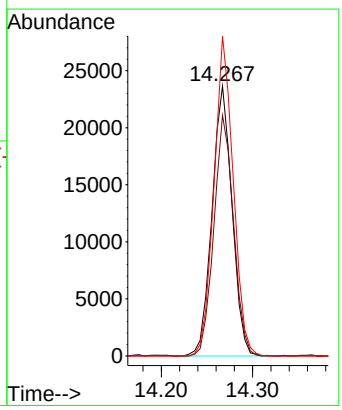


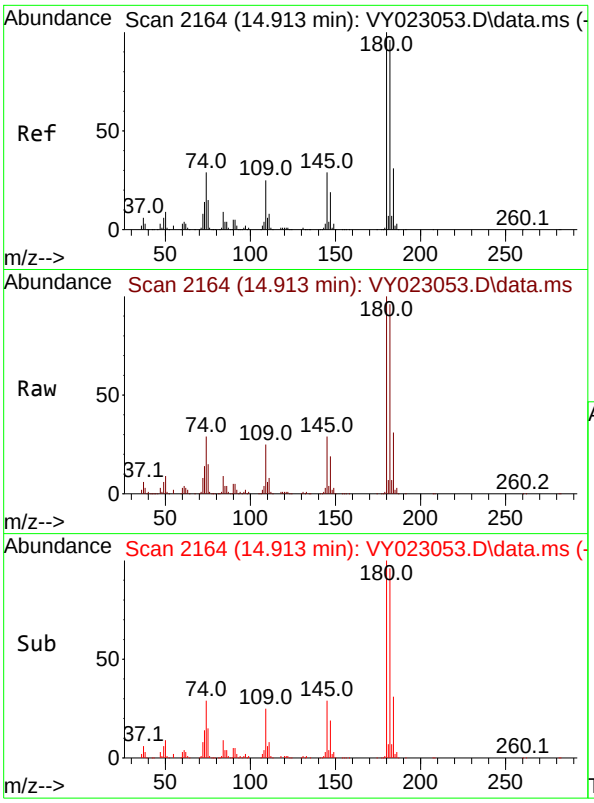


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.592 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 35867

Ion	Ratio	Lower	Upper
75	100		
155	87.7	43.9	131.6
157	114.4	57.2	171.6



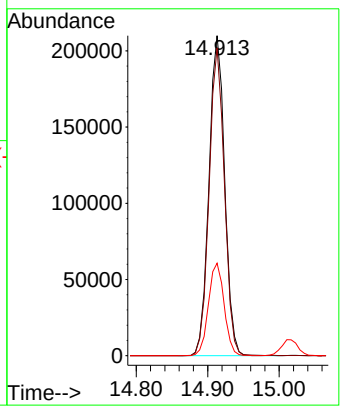


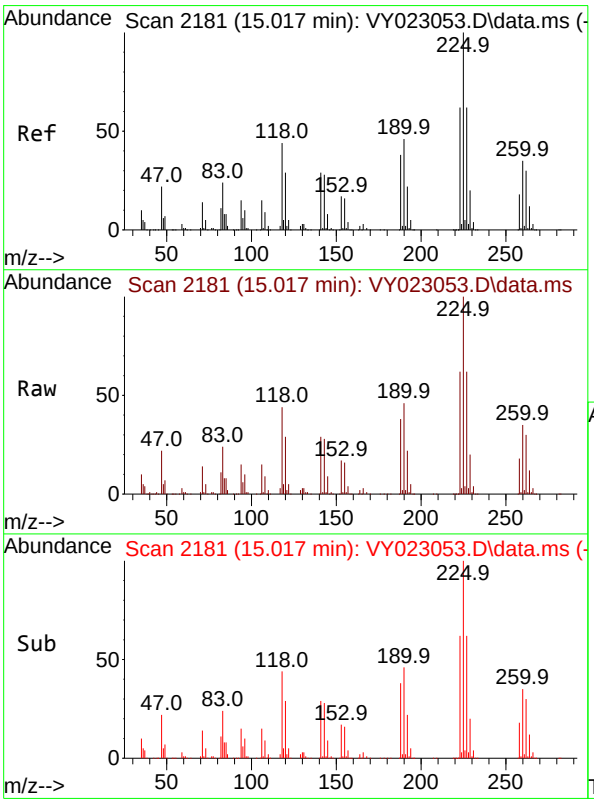
#93
1,2,4-Trichlorobenzene
Concen: 49.192 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 320080

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	28.9	14.4	43.4

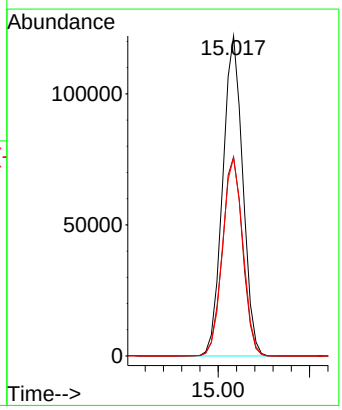


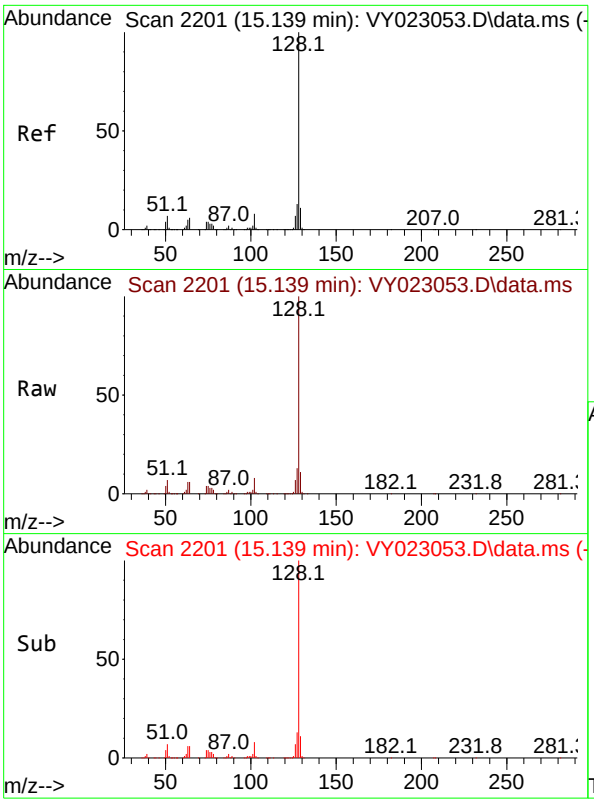


#94
Hexachlorobutadiene
Concen: 48.543 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:225 Resp: 185604

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	63.0	31.5	94.5



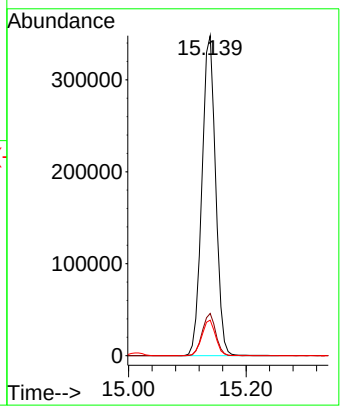


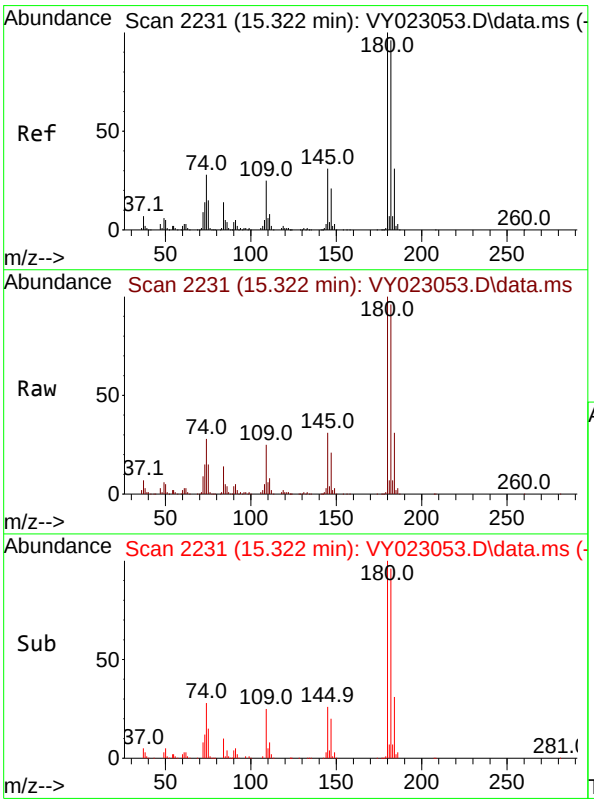
#95
Naphthalene
Concen: 50.685 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 562363

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	9.0	13.4

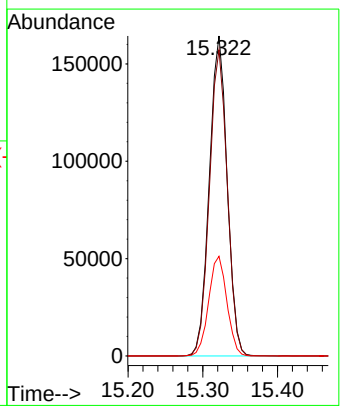




#96
1,2,3-Trichlorobenzene
Concen: 48.540 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:180 Resp: 272154

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.8	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	558266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	880463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	784385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	404136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	527356	99.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 198.220%#			
35) Dibromofluoromethane	7.628	113	540106	102.518	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 205.040%#			
50) Toluene-d8	10.103	98	2116445	102.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 205.660%#			
62) 4-Bromofluorobenzene	12.402	95	702583	106.147	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	376261	82.570	ug/l	98
3) Chloromethane	2.068	50	673475	91.248	ug/l	99
4) Vinyl Chloride	2.202	62	841648	92.250	ug/l	98
5) Bromomethane	2.586	94	643103	94.384	ug/l	100
6) Chloroethane	2.727	64	567515	93.563	ug/l	99
7) Trichlorofluoromethane	3.050	101	1005284	90.617	ug/l	99
8) Diethyl Ether	3.452	74	273400	93.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	497408	90.882	ug/l	99
10) Methyl Iodide	4.001	142	629775	106.635	ug/l	99
11) Tert butyl alcohol	4.866	59	162373	445.387	ug/l	99
12) 1,1-Dichloroethene	3.787	96	506919	94.229	ug/l	95
13) Acrolein	3.647	56	240580	450.599	ug/l	100
14) Allyl chloride	4.379	41	759925	96.000	ug/l	99
15) Acrylonitrile	5.049	53	555815	465.802	ug/l	99
16) Acetone	3.867	43	522178	453.007	ug/l	97
17) Carbon Disulfide	4.098	76	1622451	92.494	ug/l	100
18) Methyl Acetate	4.379	43	312127	90.993	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1342237	96.284	ug/l	100
20) Methylene Chloride	4.610	84	570465	97.847	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	580972	96.098	ug/l	99
22) Diisopropyl ether	6.019	45	1686285	98.033	ug/l	99
23) Vinyl Acetate	5.958	43	4632278	487.023	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1012815	96.306	ug/l	100
25) 2-Butanone	6.890	43	722555	460.899	ug/l	97
26) 2,2-Dichloropropane	6.878	77	866598	95.497	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	681242	97.472	ug/l	100
28) Bromochloromethane	7.244	49	409677	98.188	ug/l	100
29) Tetrahydrofuran	7.256	42	451254	464.370	ug/l	100
30) Chloroform	7.415	83	1045381	96.383	ug/l	96
31) Cyclohexane	7.695	56	884707	89.271	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	929858	96.620	ug/l	99
36) 1,1-Dichloropropene	7.829	75	755114	96.443	ug/l	99
37) Ethyl Acetate	6.982	43	313447	95.302	ug/l	99
38) Carbon Tetrachloride	7.811	117	819941	96.419	ug/l	98
39) Methylcyclohexane	9.103	83	1011944	98.146	ug/l	99
40) Benzene	8.073	78	2348617	97.324	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	180468	94.973	ug/l		98
42) 1,2-Dichloroethane	8.152	62	597215	95.155	ug/l		100
43) Isopropyl Acetate	8.195	43	636710	95.780	ug/l		99
44) Trichloroethene	8.860	130	602322	96.584	ug/l		97
45) 1,2-Dichloropropane	9.140	63	543589	97.899	ug/l		99
46) Dibromomethane	9.225	93	309302	97.052	ug/l		99
47) Bromodichloromethane	9.420	83	802532	97.864	ug/l		98
48) Methyl methacrylate	9.219	41	319906	100.567	ug/l		99
49) 1,4-Dioxane	9.225	88	71300	1908.039	ug/l		94
51) 4-Methyl-2-Pentanone	9.994	43	1669668	486.924	ug/l		100
52) Toluene	10.164	92	1537088	100.288	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	754278	101.574	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	880571	100.281	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	415556	97.446	ug/l		99
56) Ethyl methacrylate	10.432	69	569556	104.375	ug/l		100
57) 1,3-Dichloropropane	10.713	76	696130	96.253	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1389847	539.957	ug/l		99
59) 2-Hexanone	10.756	43	1151000	492.950	ug/l		100
60) Dibromochloromethane	10.902	129	557205	99.024	ug/l		99
61) 1,2-Dibromoethane	11.012	107	391650	97.713	ug/l		98
64) Tetrachloroethene	10.640	164	615871	87.931	ug/l		98
65) Chlorobenzene	11.438	112	1658154	98.004	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	573131	99.810	ug/l		99
67) Ethyl Benzene	11.512	91	2914020	100.082	ug/l		98
68) m/p-Xylenes	11.621	106	2312597	203.363	ug/l		98
69) o-Xylene	11.950	106	1100998	103.373	ug/l		99
70) Styrene	11.963	104	1845480	105.953	ug/l		99
71) Bromoform	12.127	173	334886	99.786	ug/l	#	99
73) Isopropylbenzene	12.249	105	2839999	99.567	ug/l		99
74) N-amyl acetate	12.066	43	610668	100.955	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	469810	96.464	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	610364	156.388	ug/l	#	100
77) Bromobenzene	12.524	156	671329	98.655	ug/l		98
78) n-propylbenzene	12.591	91	3360679	98.963	ug/l		99
79) 2-Chlorotoluene	12.670	91	1931460	99.268	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2321527	100.707	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	153260	95.118	ug/l		100
82) 4-Chlorotoluene	12.767	91	1988544	98.519	ug/l		100
83) tert-Butylbenzene	12.993	119	2125785	102.102	ug/l		98
84) 1,2,4-Trimethylbenzene	13.036	105	2339432	101.946	ug/l		100
85) sec-Butylbenzene	13.170	105	3056373	99.932	ug/l		100
86) p-Isopropyltoluene	13.286	119	2610936	102.846	ug/l		100
87) 1,3-Dichlorobenzene	13.280	146	1338547	99.748	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1290840	96.970	ug/l		99
89) n-Butylbenzene	13.609	91	2370706	101.675	ug/l		100
90) Hexachloroethane	13.871	117	510900	98.308	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	1162152	98.749	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	69736	91.965	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	692201	99.460	ug/l		98
94) Hexachlorobutadiene	15.017	225	387707	94.803	ug/l		99
95) Naphthalene	15.133	128	1212227	102.147	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	587990	98.046	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

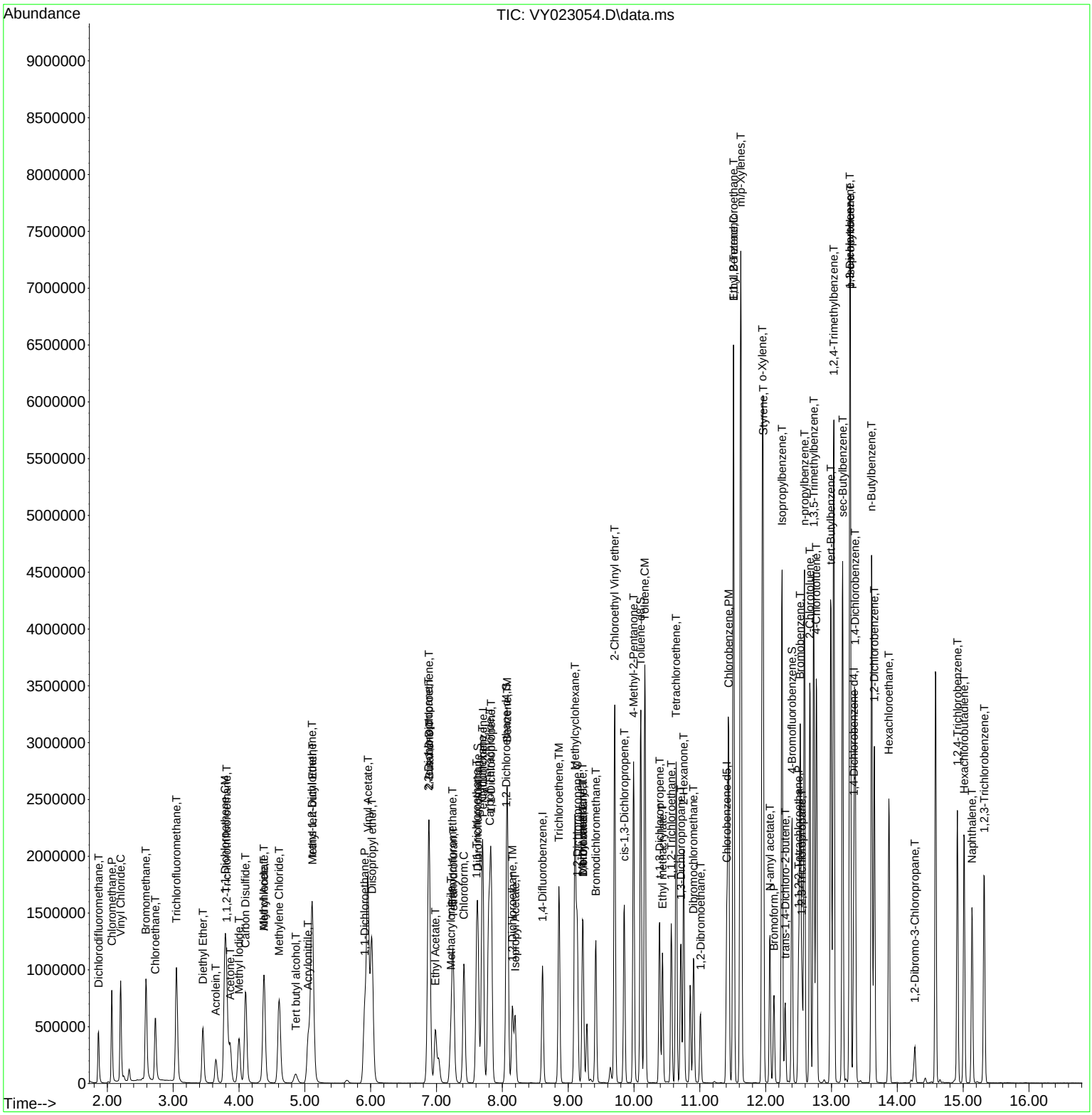
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

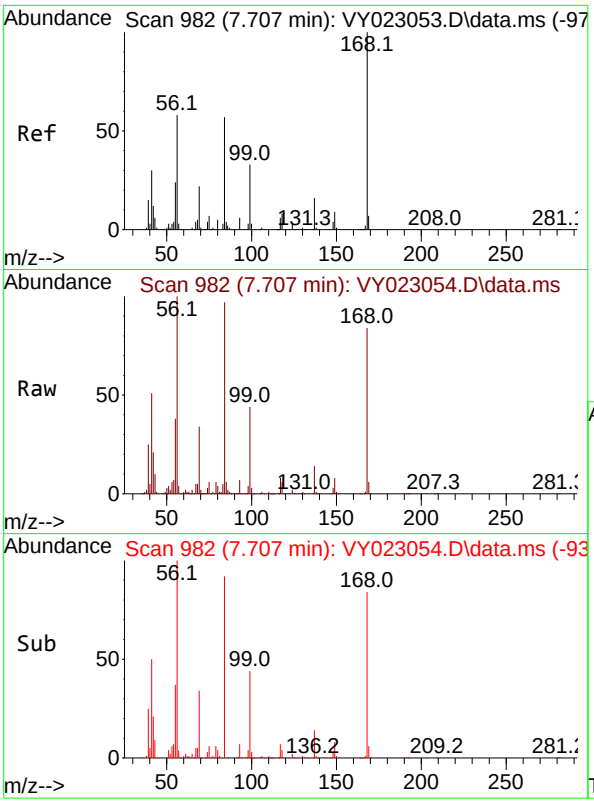
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration



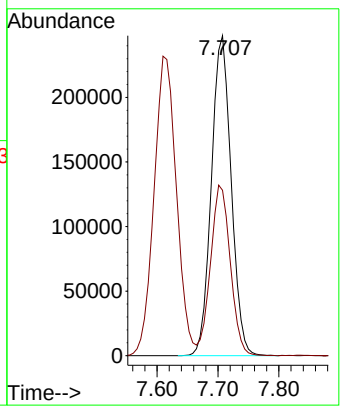


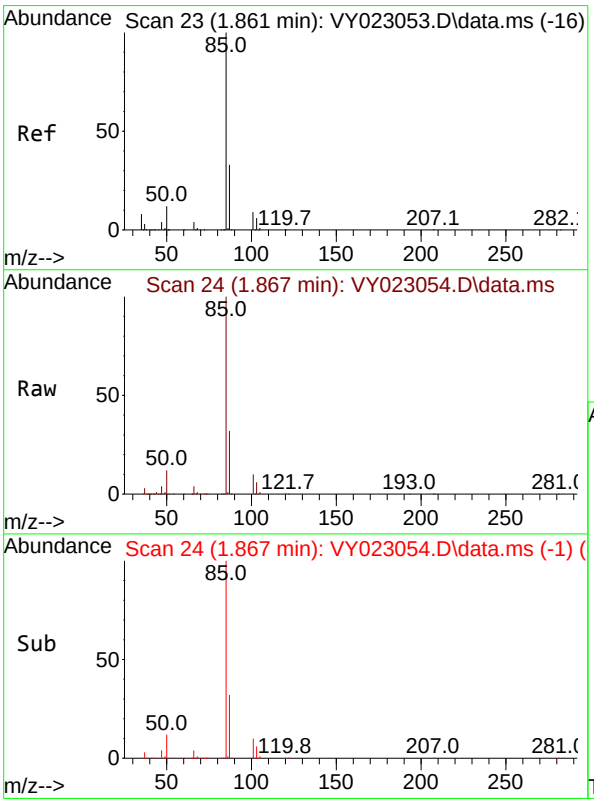
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 558266

Ion	Ratio	Lower	Upper
168	100		
99	51.7	42.8	64.2

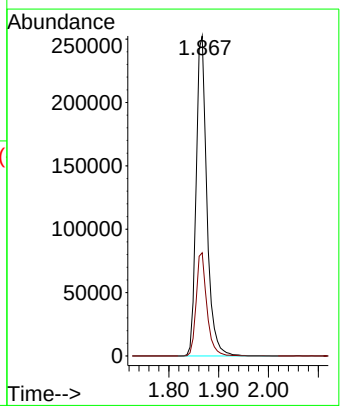


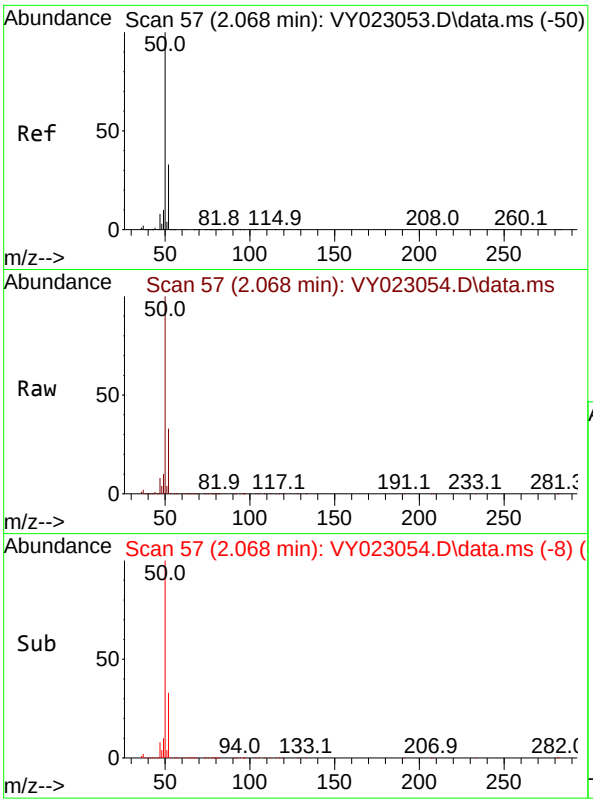


#2
Dichlorodifluoromethane
Concen: 82.570 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 85 Resp: 376261

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8



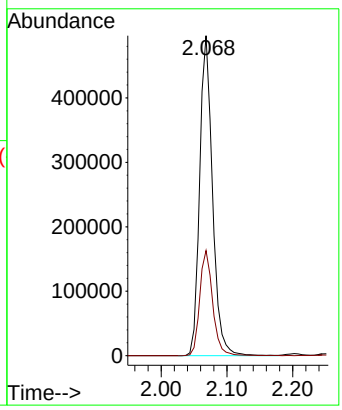


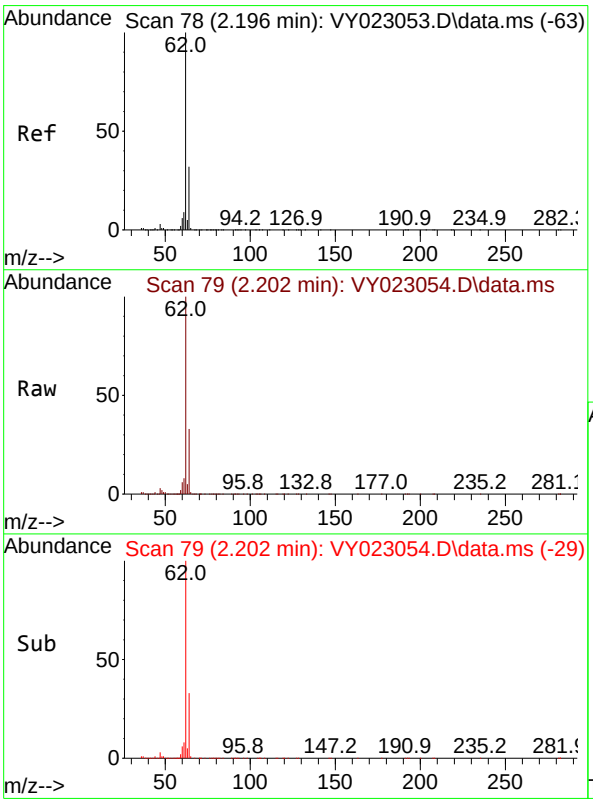
#3
Chloromethane
Concen: 91.248 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 673475

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.7	40.1

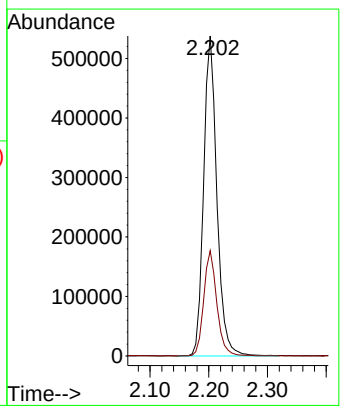


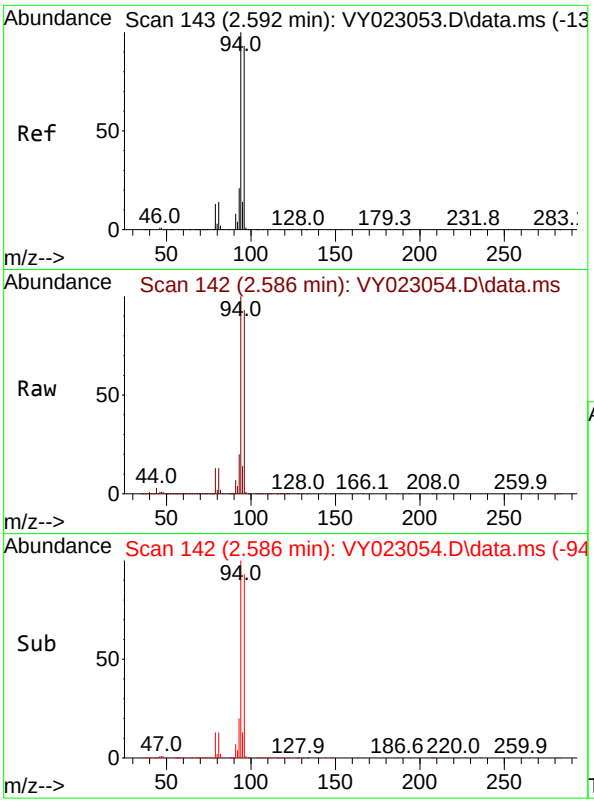


#4
Vinyl Chloride
Concen: 92.250 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 841648

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.4	38.0



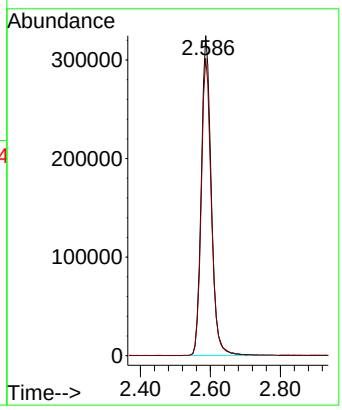


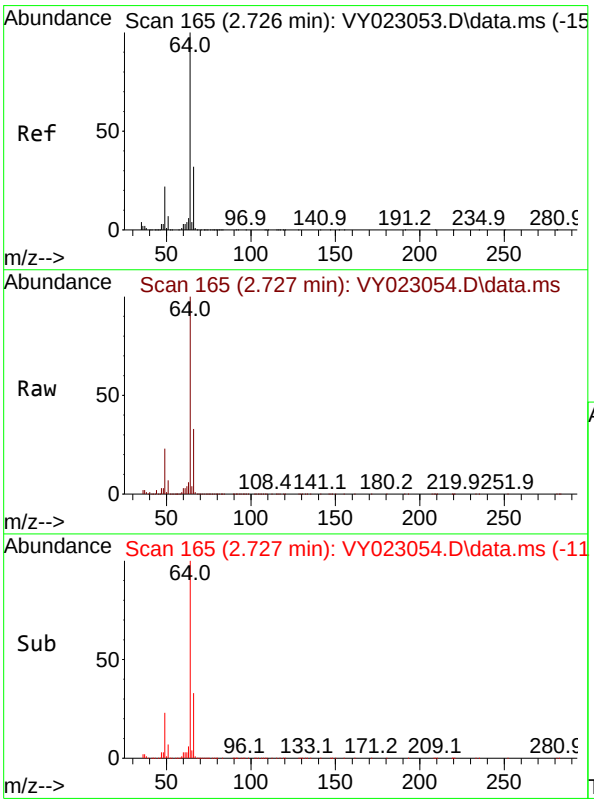
#5
Bromomethane
Concen: 94.384 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 643103

Ion	Ratio	Lower	Upper
94	100		
96	92.9	74.6	112.0

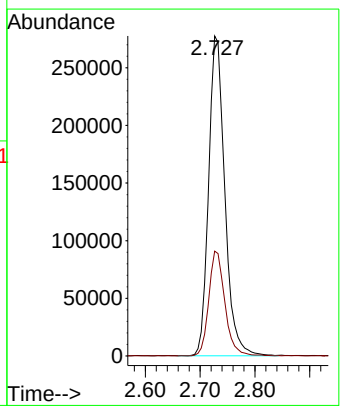


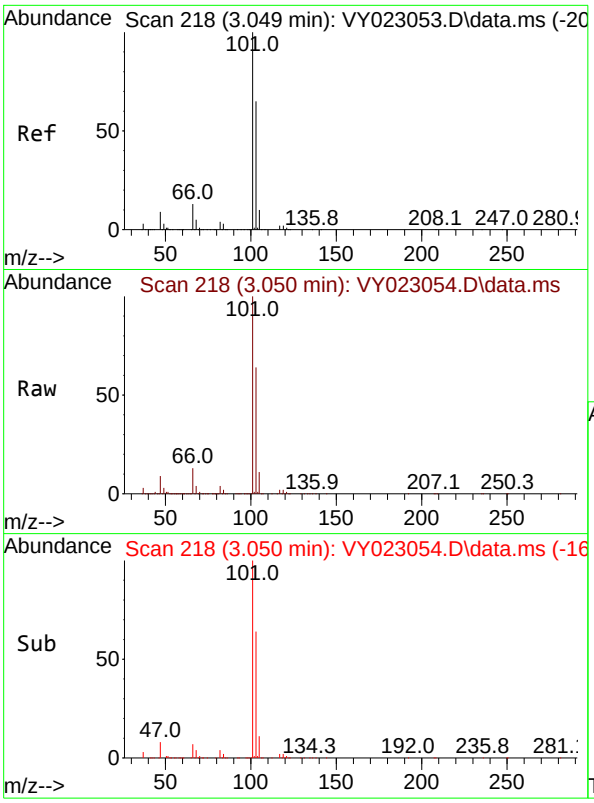


#6
Chloroethane
Concen: 93.563 ug/l
RT: 2.727 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 64 Resp: 567515

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.8	38.6



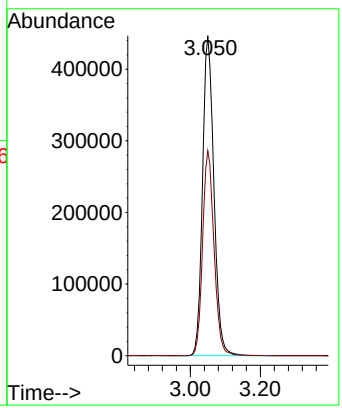


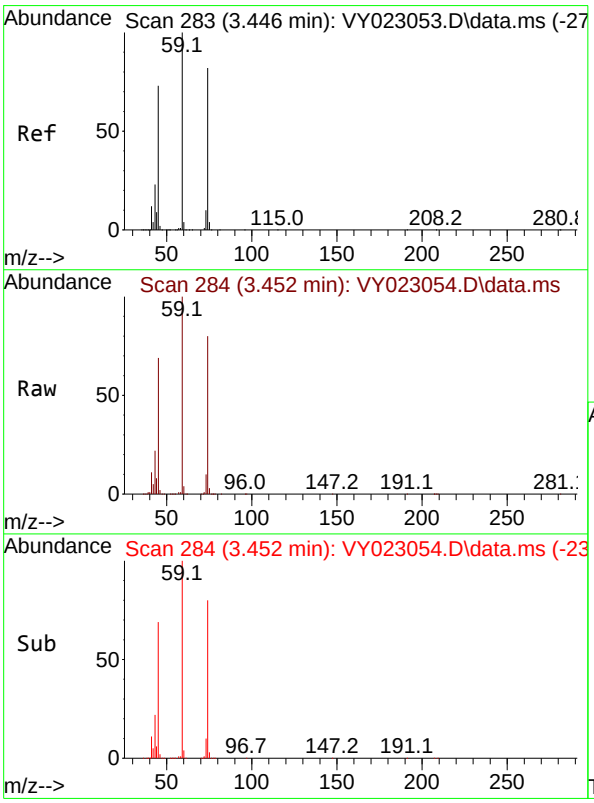
#7
Trichlorofluoromethane
Concen: 90.617 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 1005284

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.9	77.9

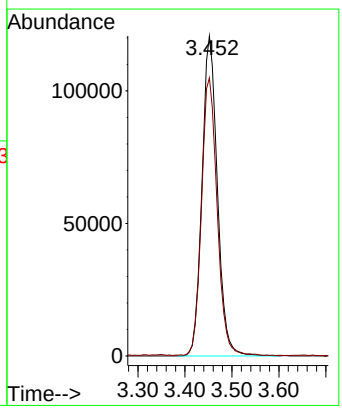


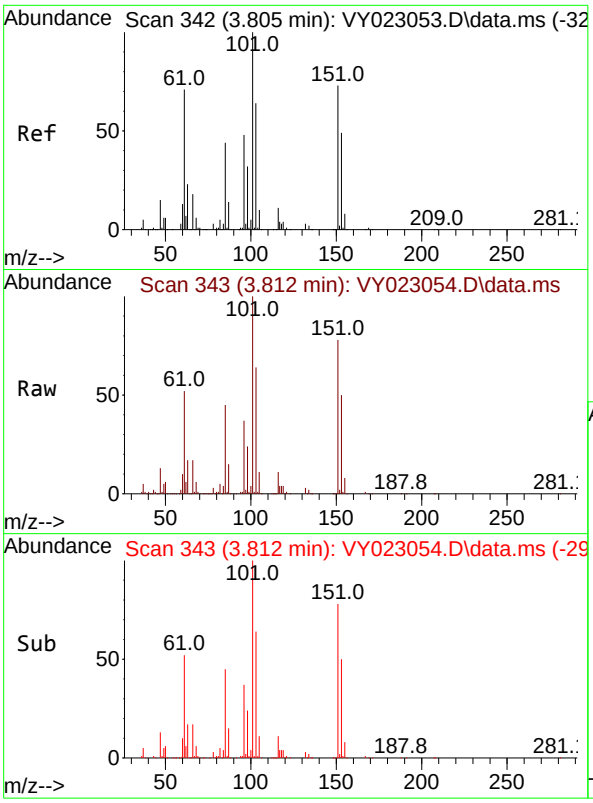


#8
Diethyl Ether
Concen: 93.150 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 74 Resp: 273400

Ion	Ratio	Lower	Upper
74	100		
45	88.2	44.4	133.2



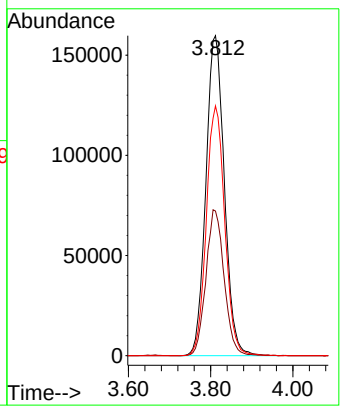


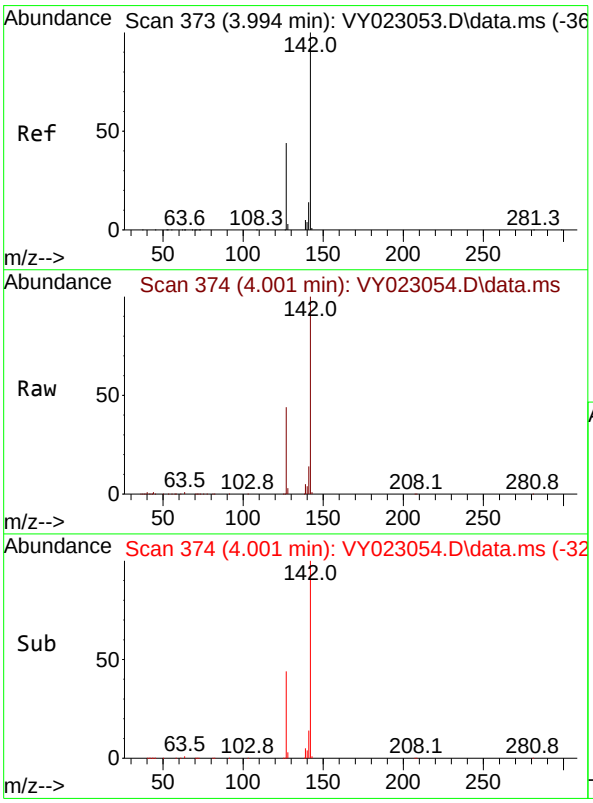
#9
1,1,2-Trichlorotrifluoroethane
Concen: 90.882 ug/l
RT: 3.812 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 497408

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.3	54.5
151	77.9	61.5	92.3

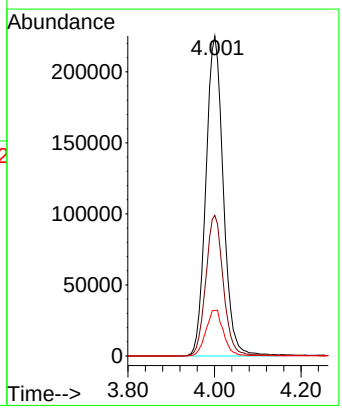


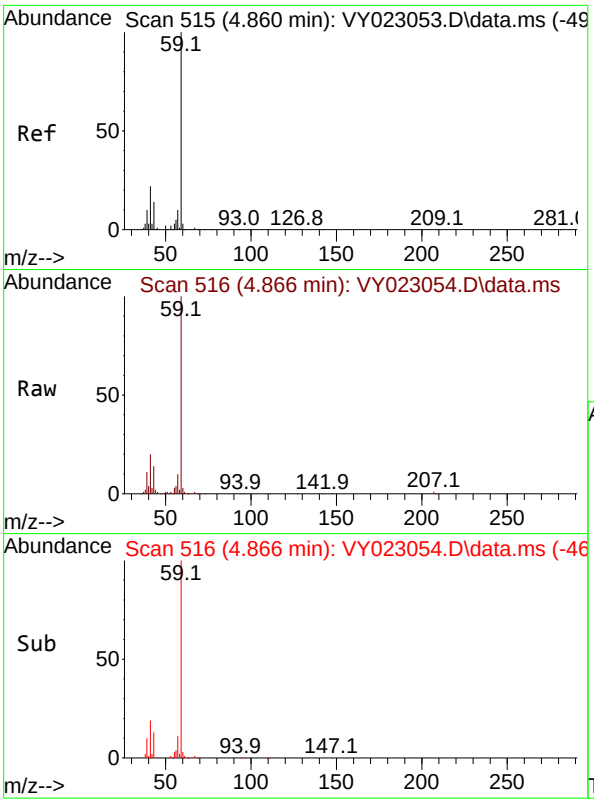


#10
Methyl Iodide
Concen: 106.635 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:142 Resp: 629775

Ion	Ratio	Lower	Upper
142	100		
127	44.2	34.9	52.3
141	14.4	11.3	16.9



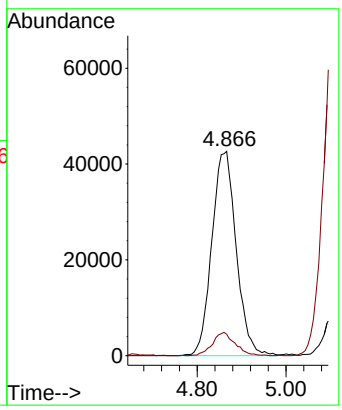


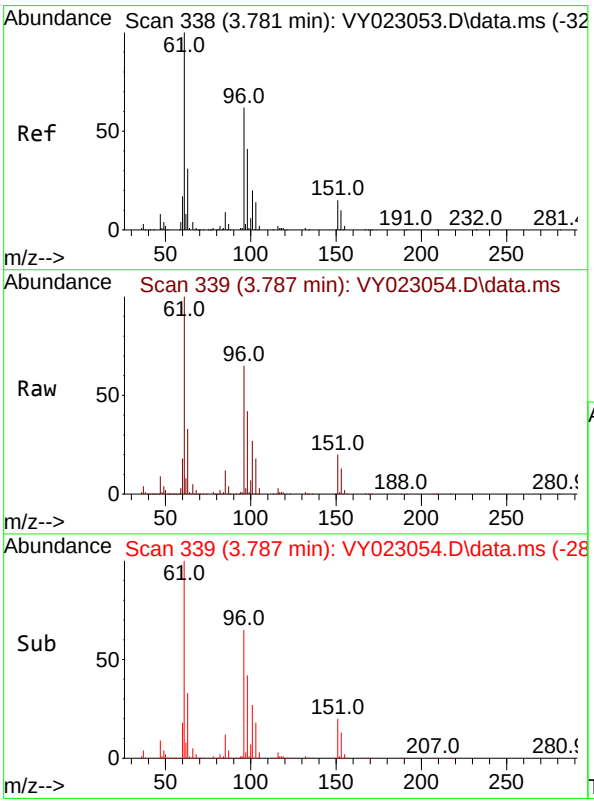
#11
Tert butyl alcohol
Concen: 445.387 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 162373

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

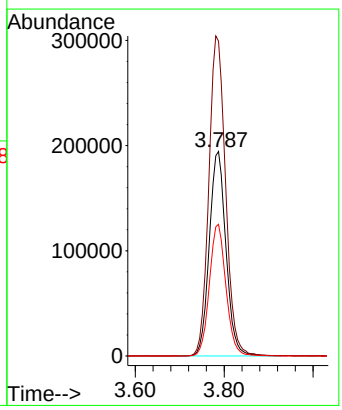


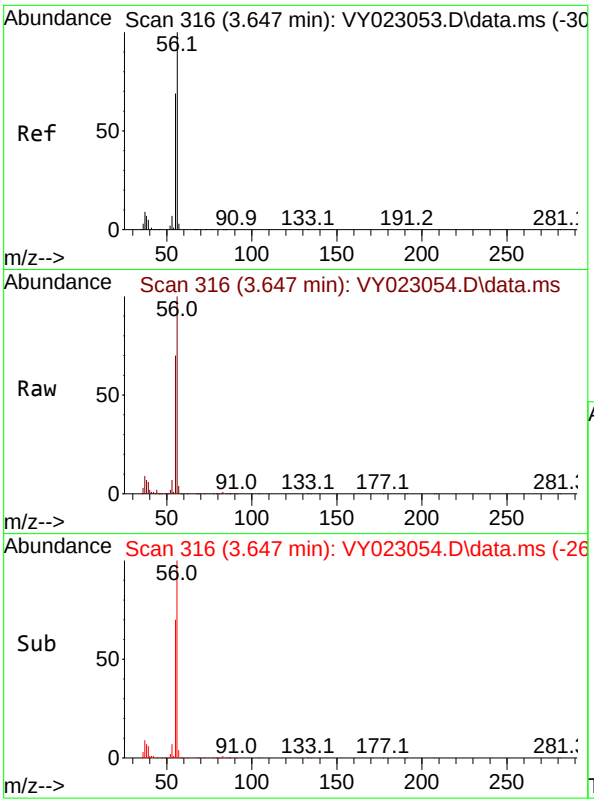


#12
1,1-Dichloroethene
Concen: 94.229 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 96 Resp: 506919

Ion	Ratio	Lower	Upper
96	100		
61	154.0	129.4	194.2
98	64.4	52.8	79.2



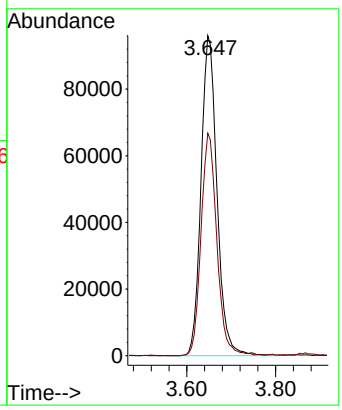


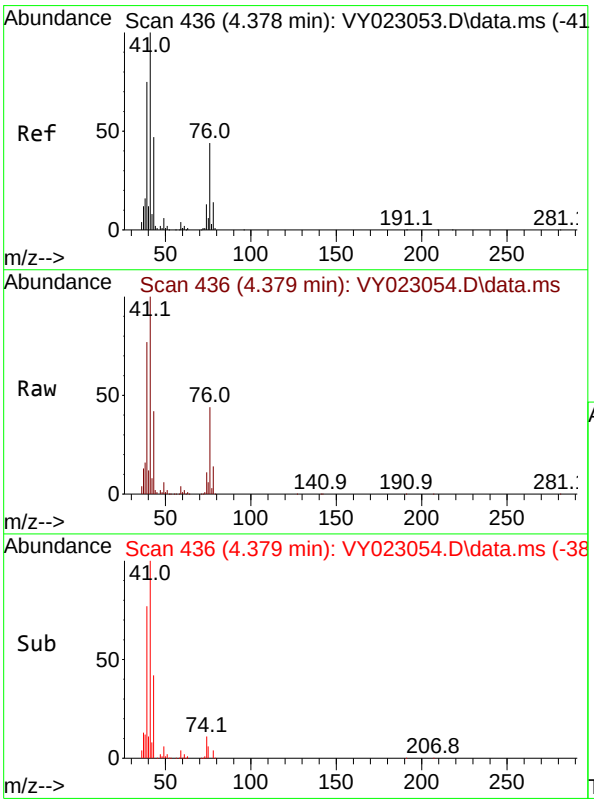
#13
Acrolein
Concen: 450.599 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 240580

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.2	82.8

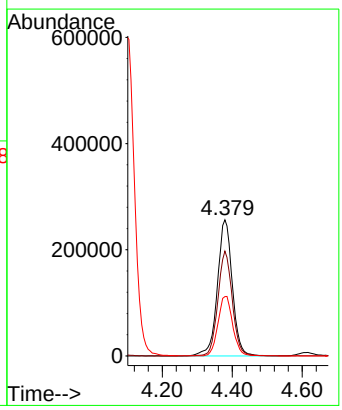


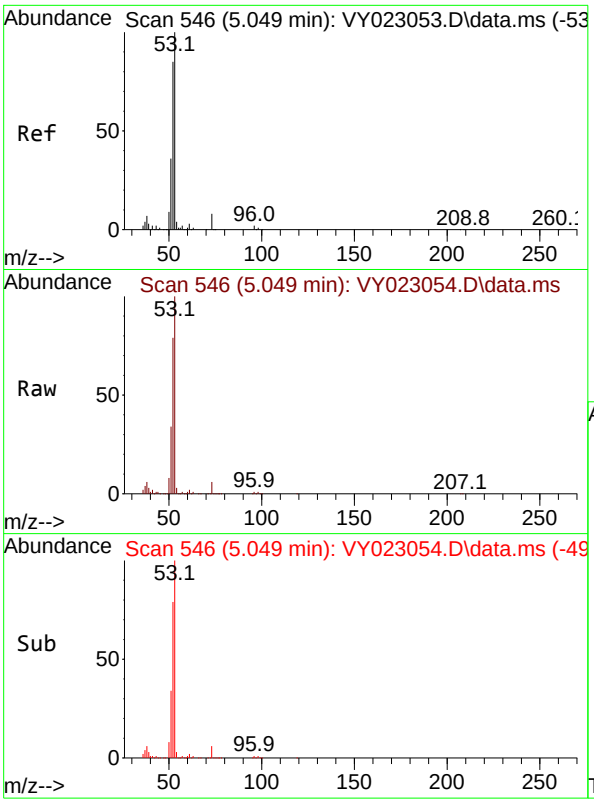


#14
Allyl chloride
Concen: 96.000 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 759925

Ion	Ratio	Lower	Upper
41	100		
39	74.3	59.8	89.6
76	43.0	33.7	50.5



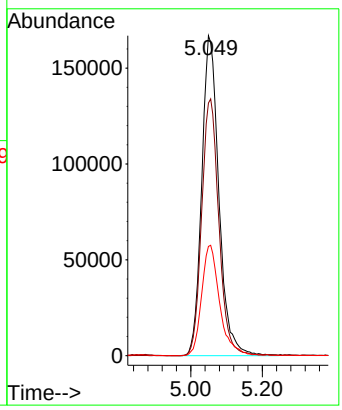


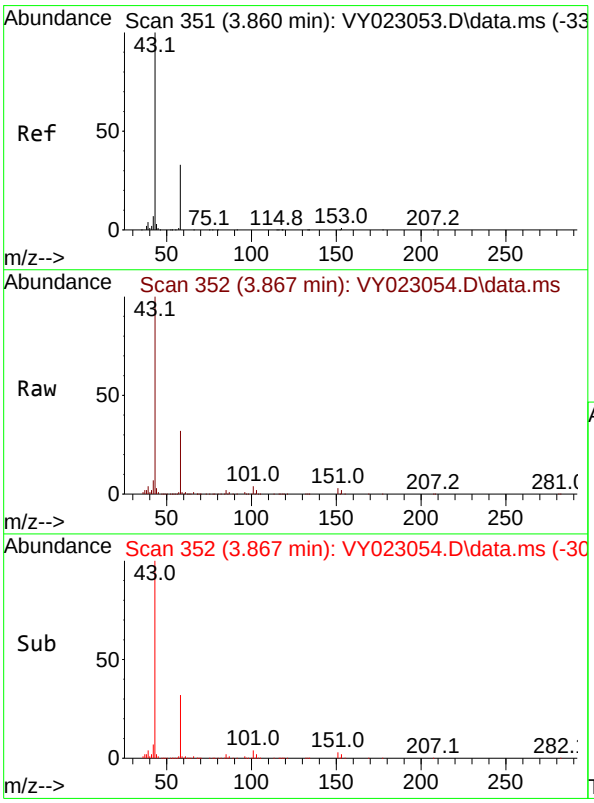
#15
Acrylonitrile
Concen: 465.802 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 555815

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.3	97.9
51	36.3	29.5	44.3

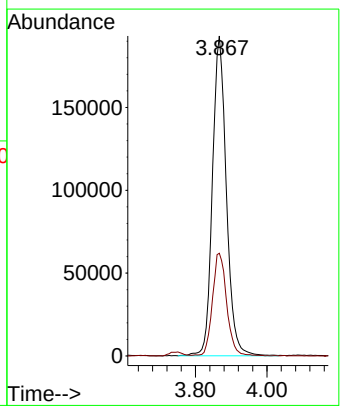


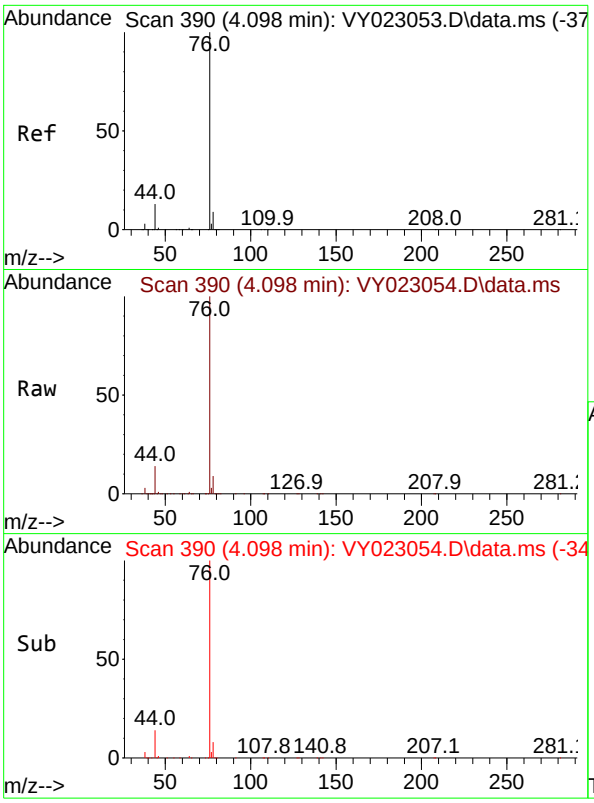


#16
Acetone
Concen: 453.007 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 522178

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.1	40.7



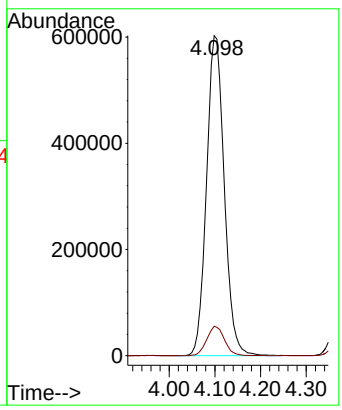


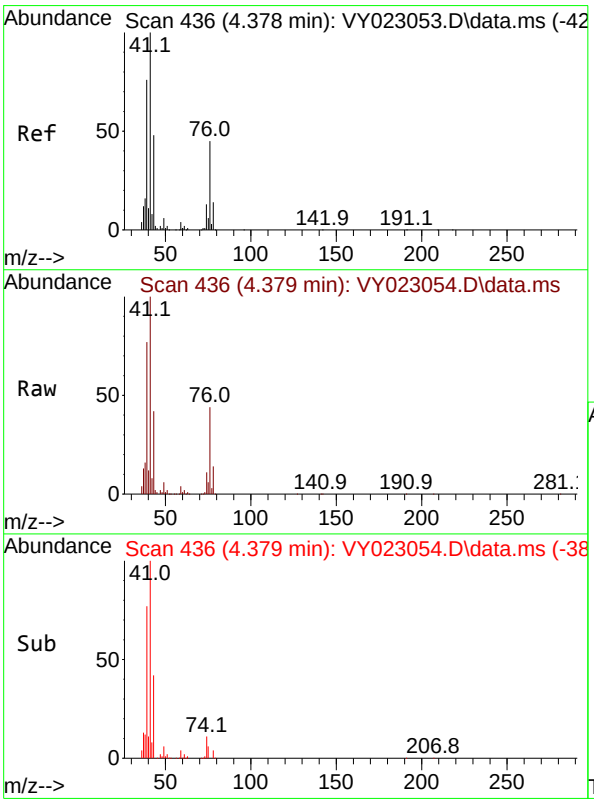
#17
Carbon Disulfide
Concen: 92.494 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 1622451

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

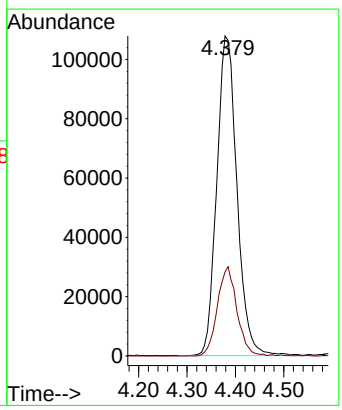


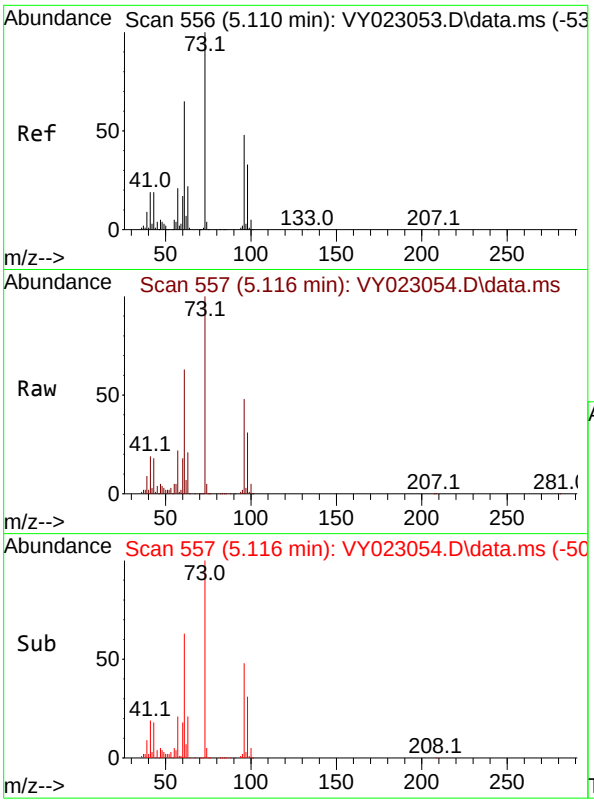


#18
Methyl Acetate
Concen: 90.993 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 312127

Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.2	31.8



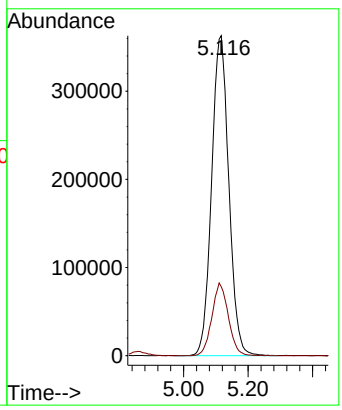


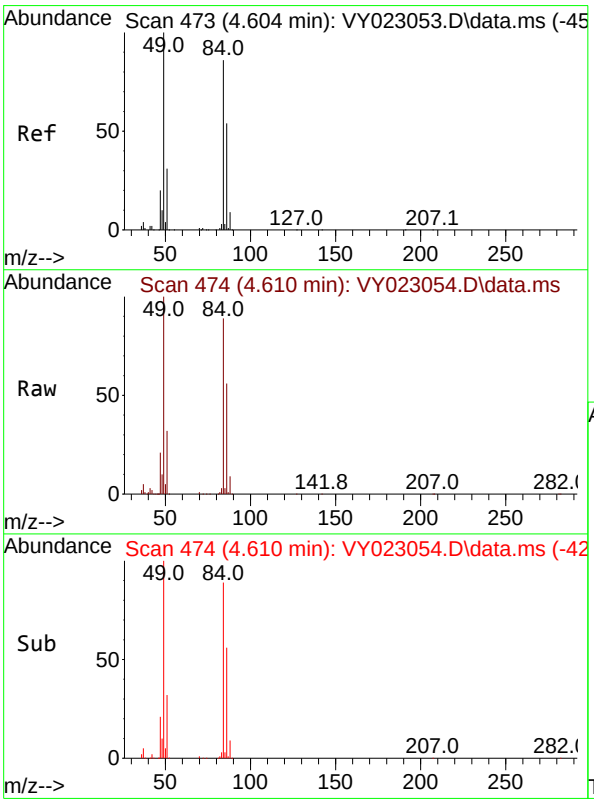
#19
Methyl tert-butyl Ether
Concen: 96.284 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 1342237

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.1	25.7

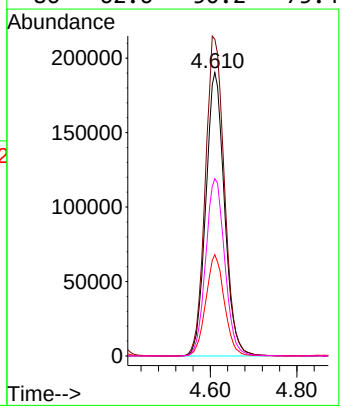


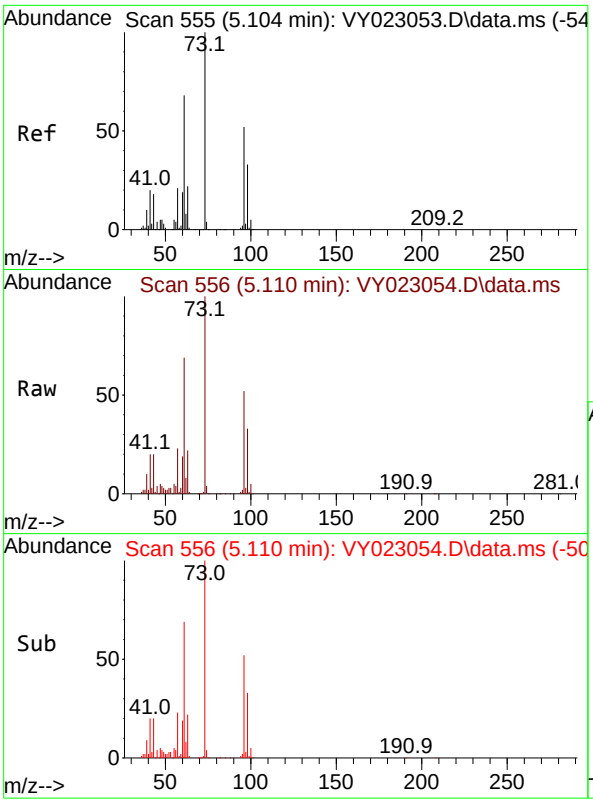


#20
Methylene Chloride
Concen: 97.847 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 84 Resp: 570465

Ion	Ratio	Lower	Upper
84	100		
49	111.7	93.0	139.6
51	35.7	29.0	43.4
86	62.6	50.2	75.4



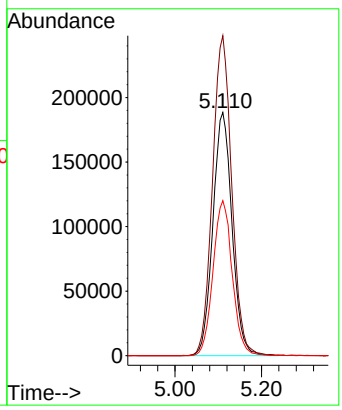


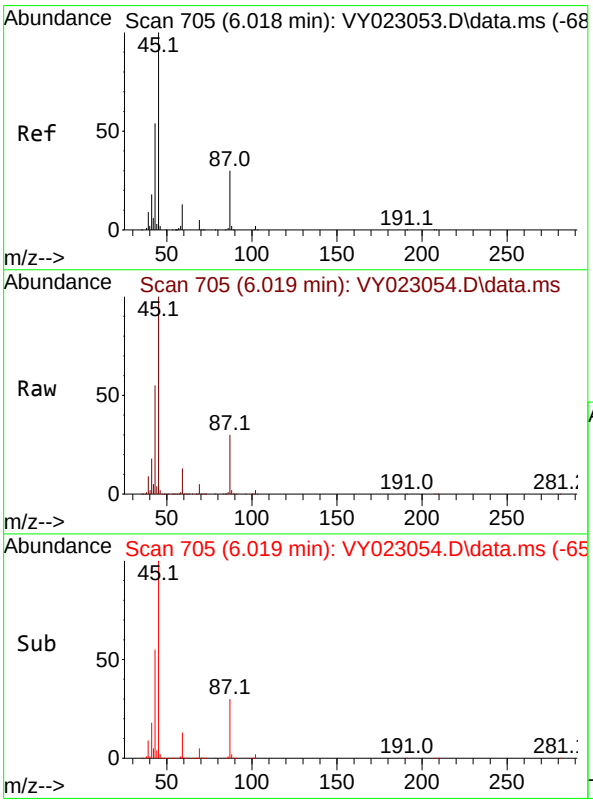
#21
trans-1,2-Dichloroethene
Concen: 96.098 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 580972

Ion	Ratio	Lower	Upper
96	100		
61	131.5	104.8	157.2
98	63.8	50.1	75.1

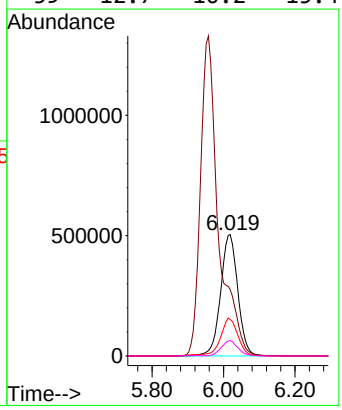


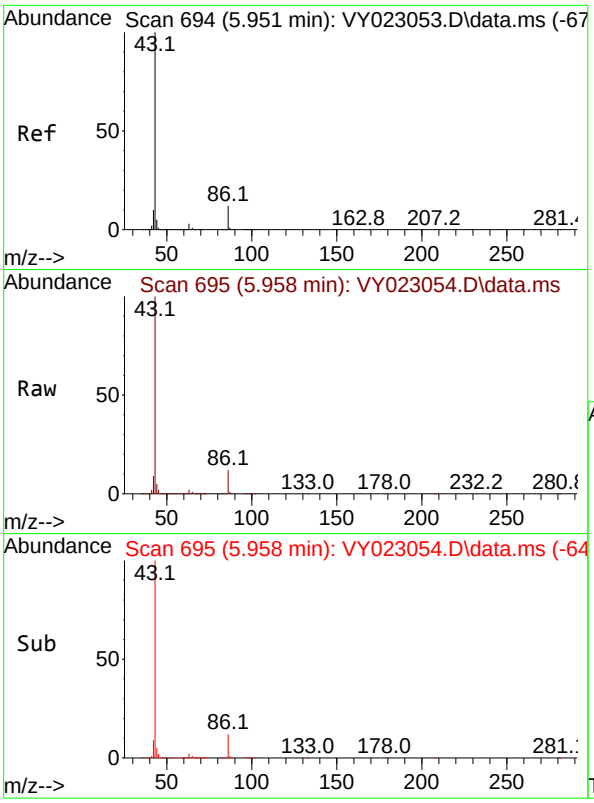


#22
Diisopropyl ether
Concen: 98.033 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 45 Resp: 1686285

Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.4	65.0
87	30.0	24.4	36.6
59	12.7	10.2	15.4



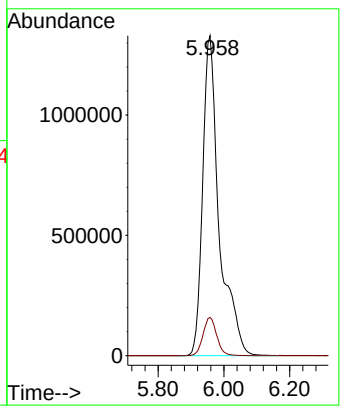


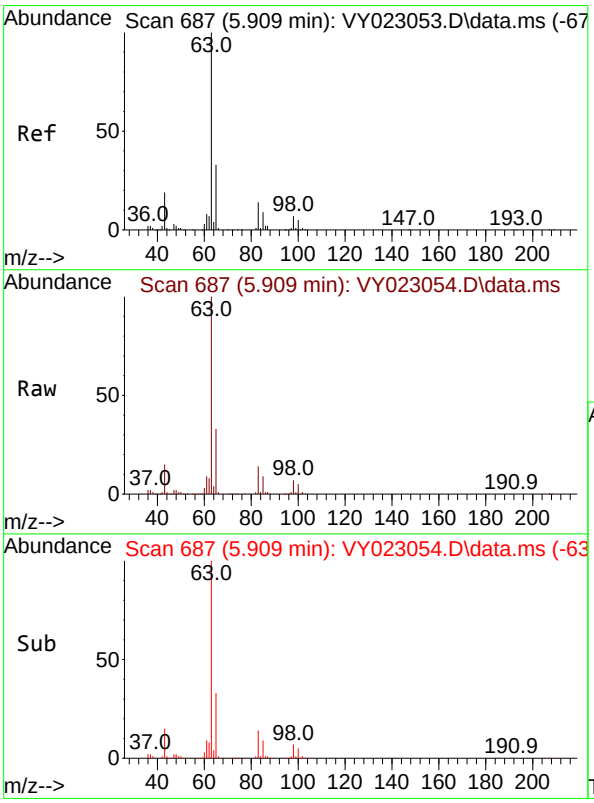
#23
Vinyl Acetate
Concen: 487.023 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 4632278

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.6	14.4

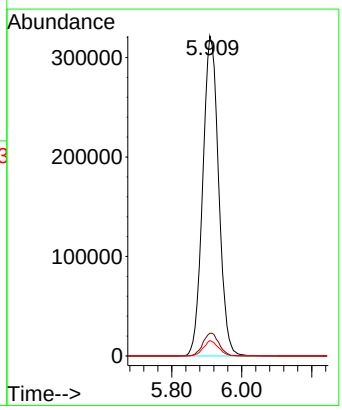


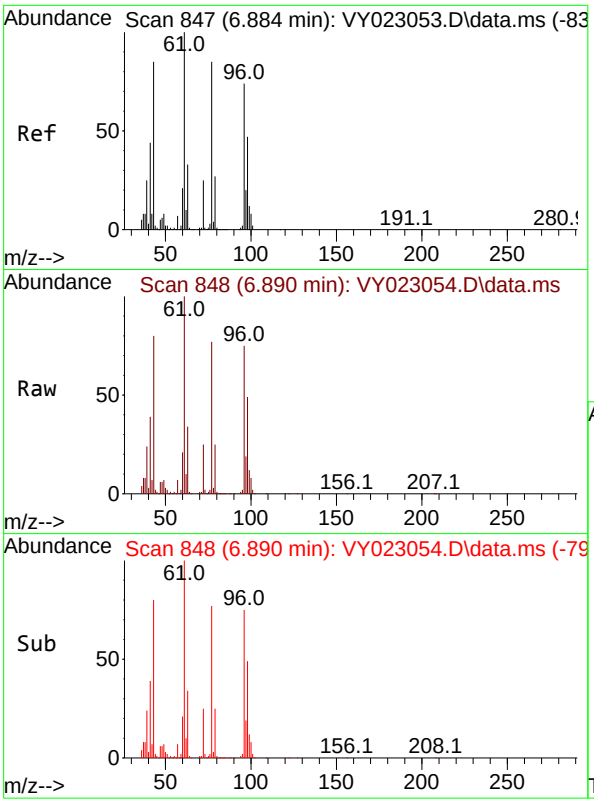


#24
1,1-Dichloroethane
Concen: 96.306 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 63 Resp: 1012815

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.8	2.4	7.1



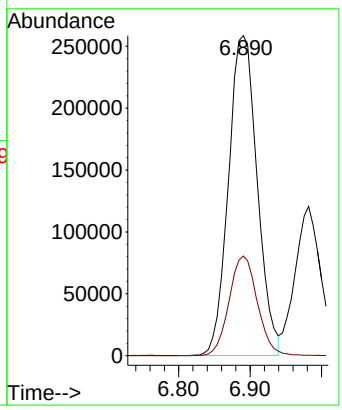


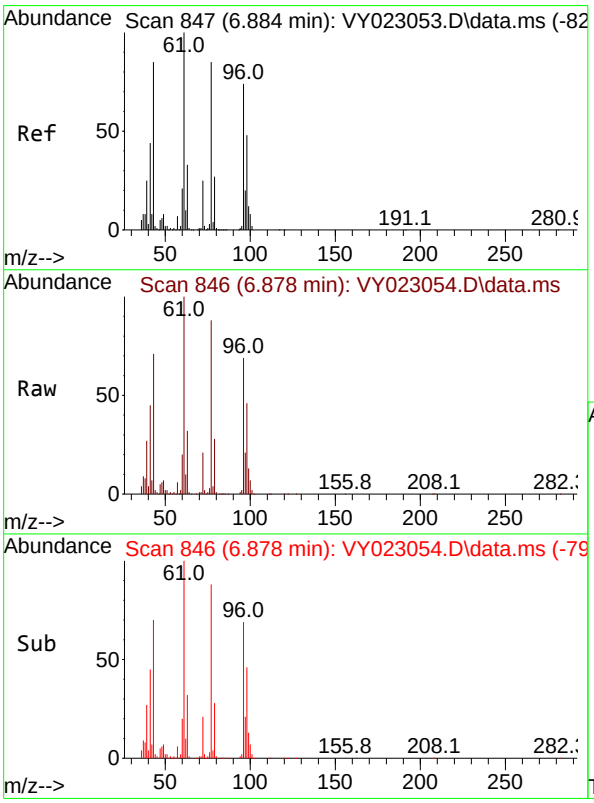
#25
2-Butanone
Concen: 460.899 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 722555

Ion	Ratio	Lower	Upper
43	100		
72	31.2	23.5	35.3

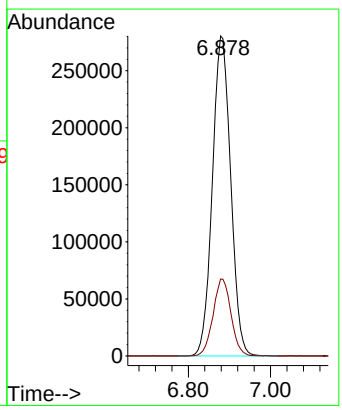


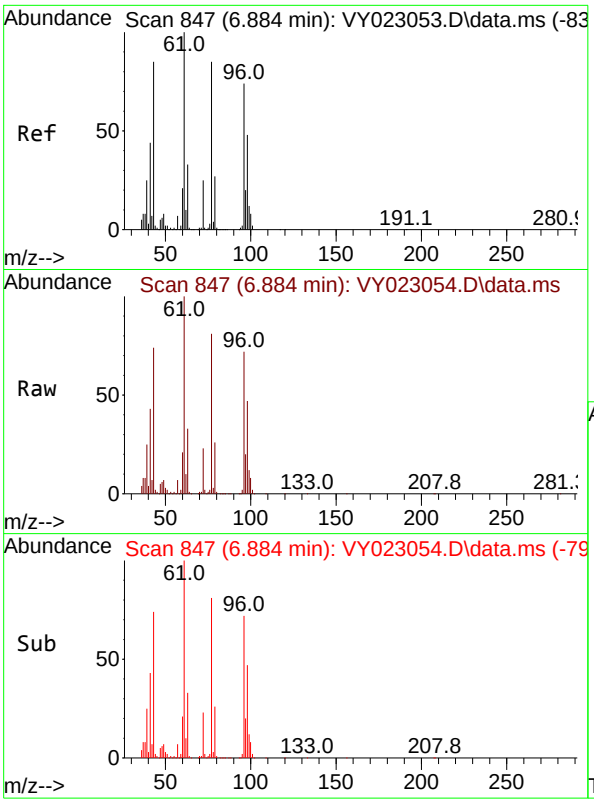


#26
2,2-Dichloropropane
Concen: 95.497 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 77 Resp: 866598

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.6	34.8



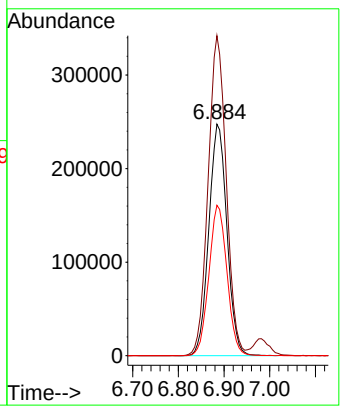


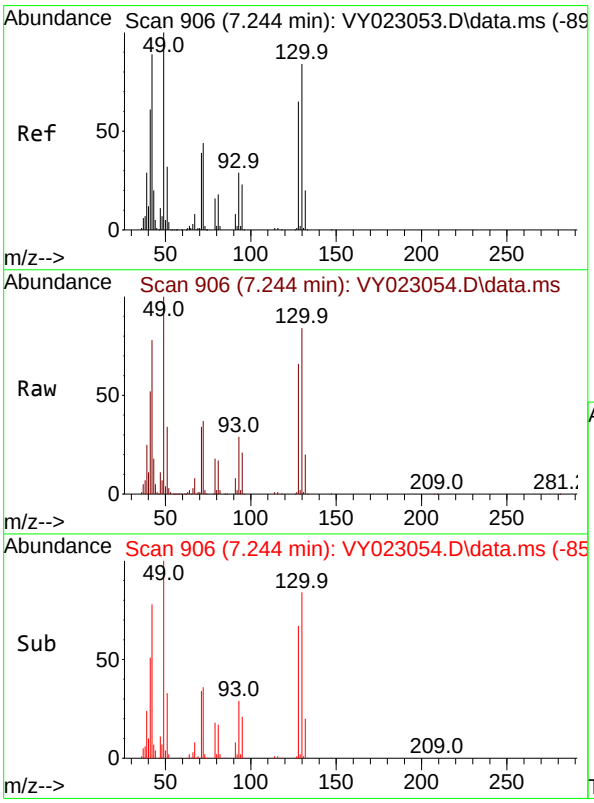
#27
cis-1,2-Dichloroethene
Concen: 97.472 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 681242

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	278.6
98	65.0	0.0	130.4

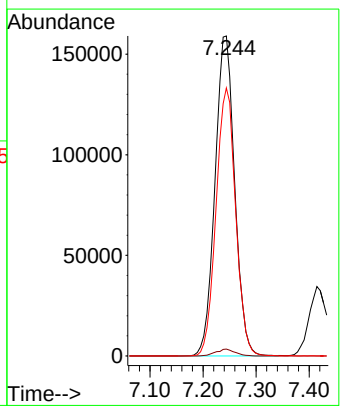


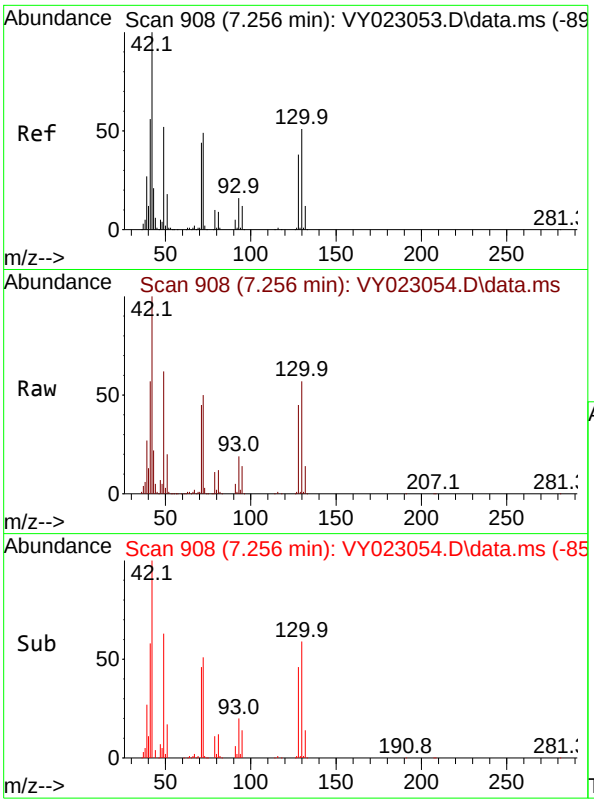


#28
Bromochloromethane
Concen: 98.188 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 49 Resp: 409677

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.4	66.4	99.6



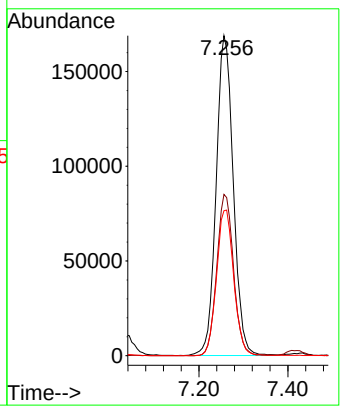


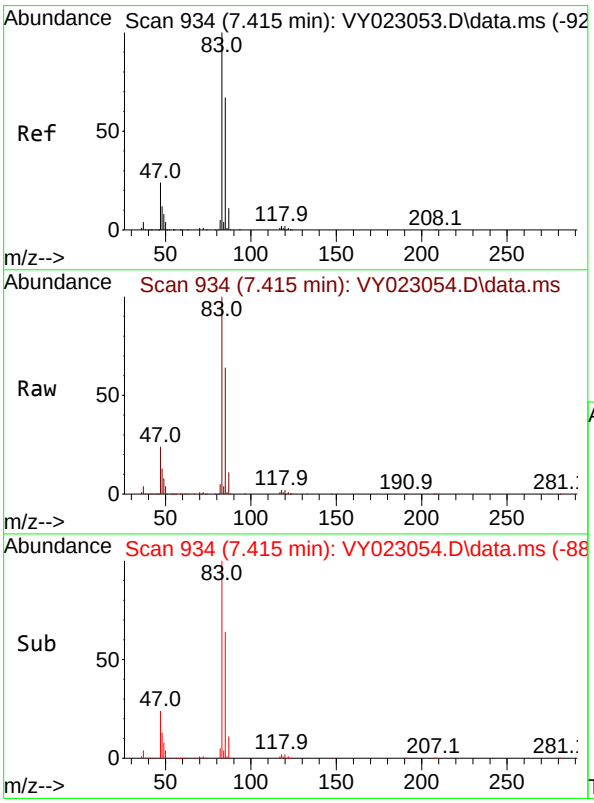
#29
Tetrahydrofuran
Concen: 464.370 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 451254

Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.4	59.2
71	45.8	36.5	54.7

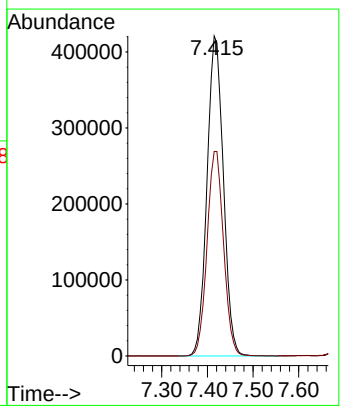


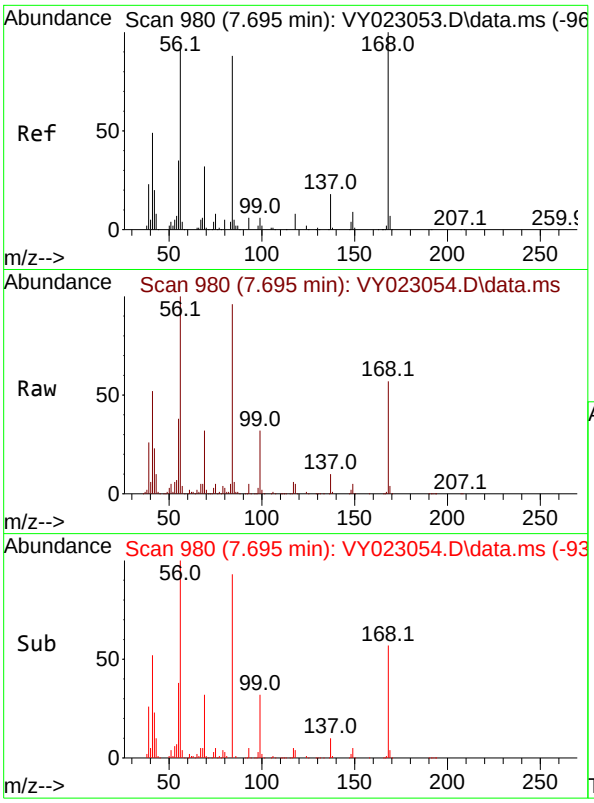


#30
Chloroform
Concen: 96.383 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 83 Resp: 1045381

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.8	80.8



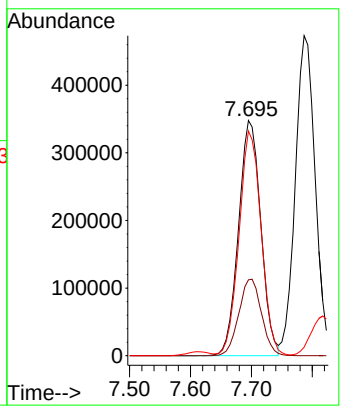


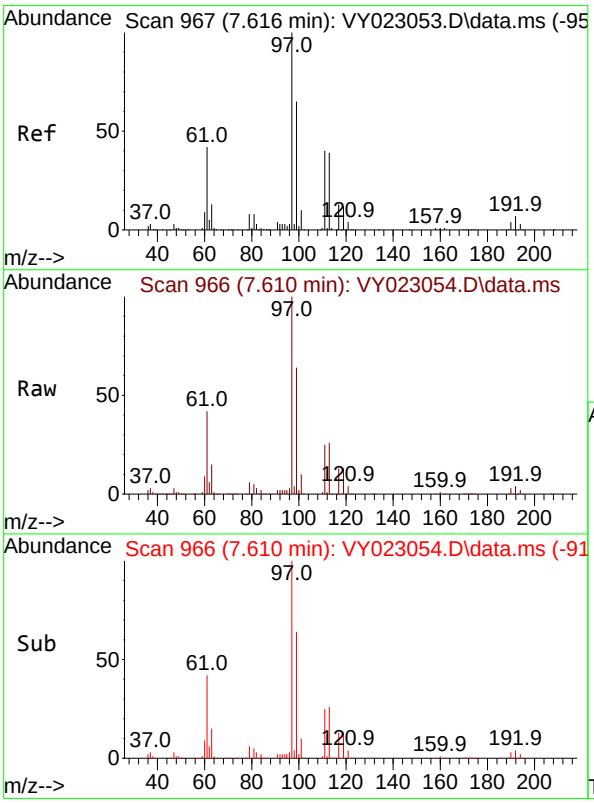
#31
Cyclohexane
Concen: 89.271 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 884707

Ion	Ratio	Lower	Upper
56	100		
69	32.3	28.2	42.2
84	95.2	76.6	114.8

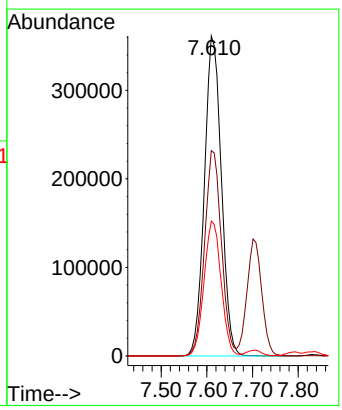


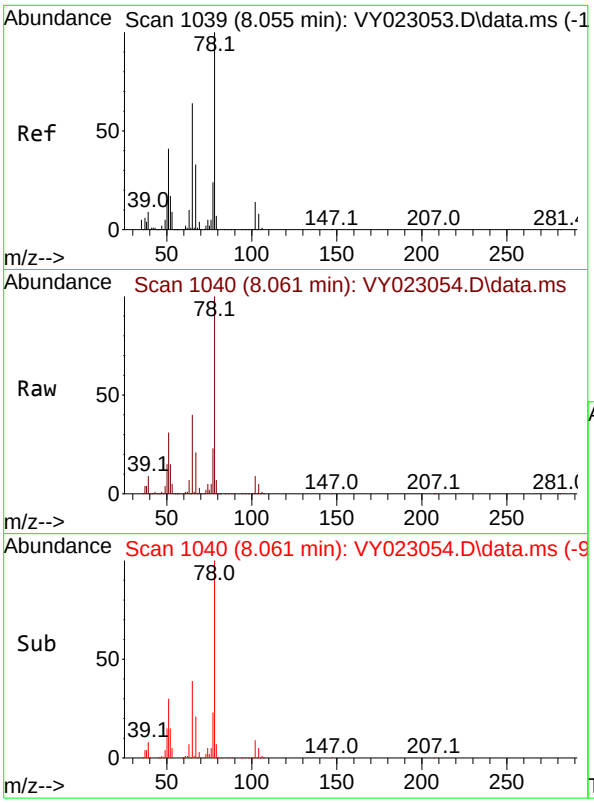


#32
1,1,1-Trichloroethane
Concen: 96.620 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 97 Resp: 929858

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	42.5	34.2	51.2



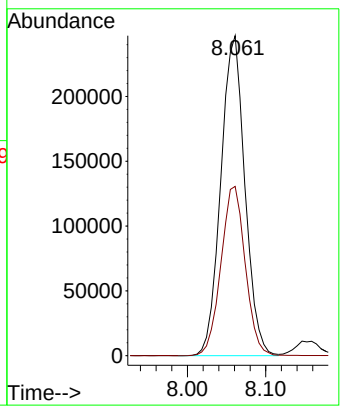


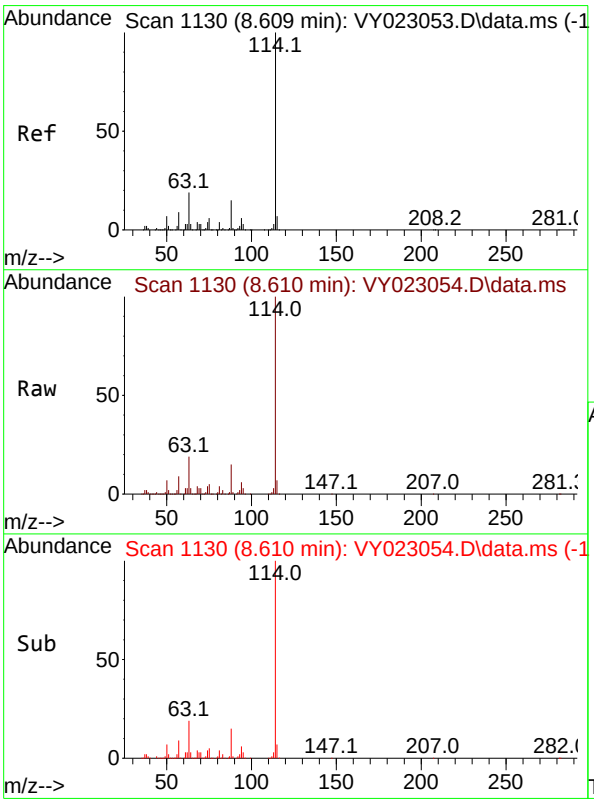
#33
1,2-Dichloroethane-d4
Concen: 99.115 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 527356

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8

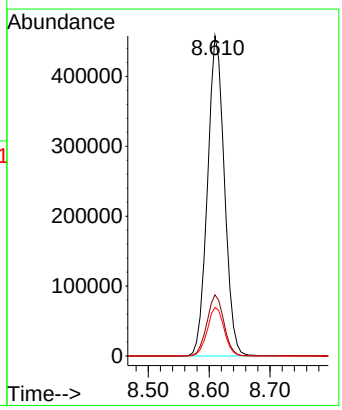


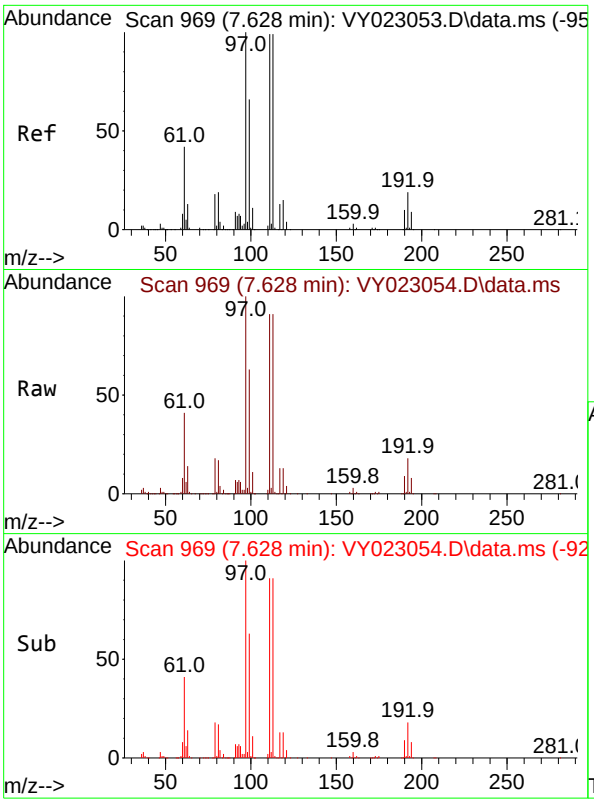


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:114 Resp: 880463

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.2	0.0	30.0



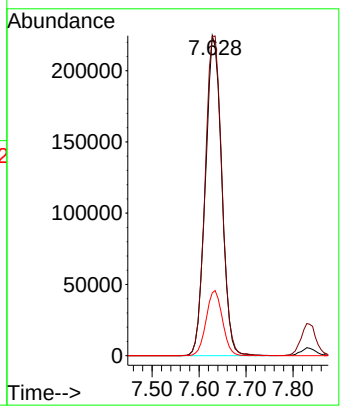


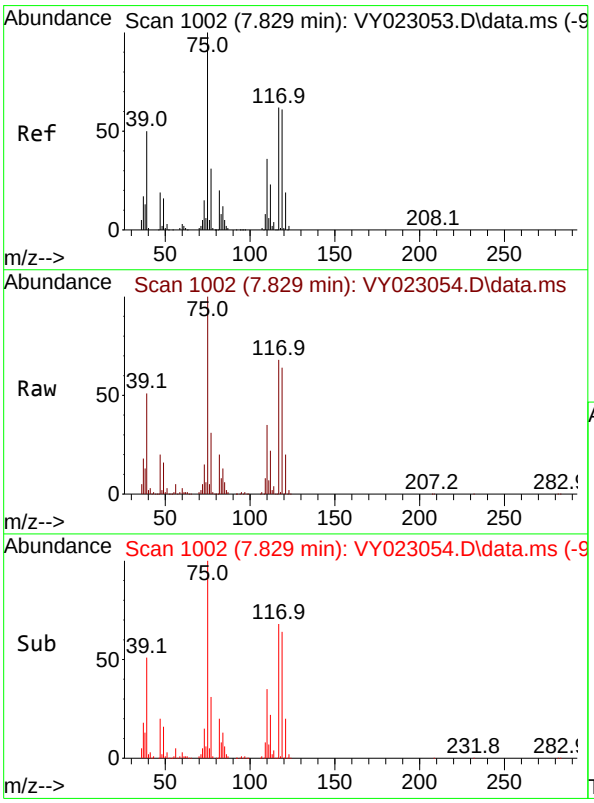
#35
Dibromofluoromethane
Concen: 102.518 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 540106

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	20.4	16.2	24.4

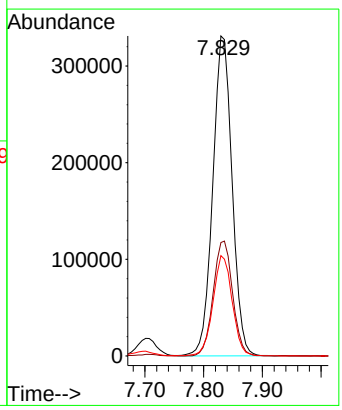


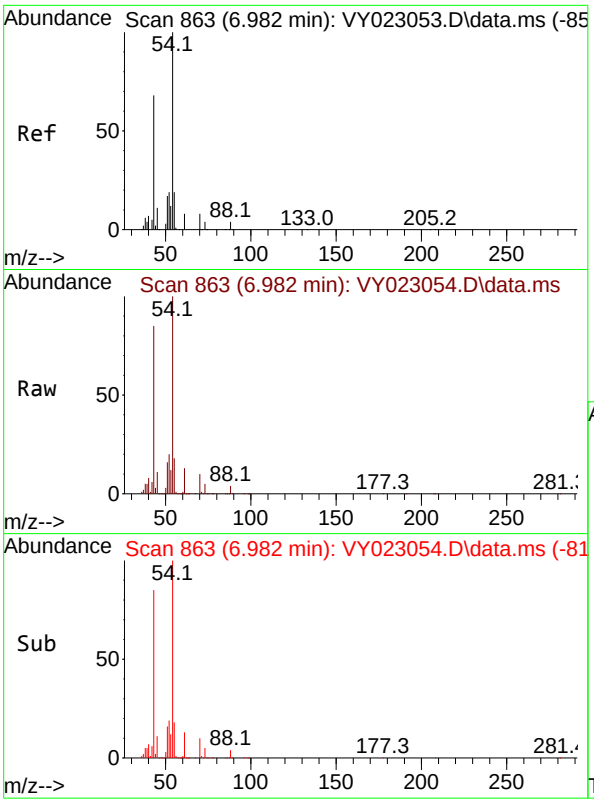


#36
1,1-Dichloropropene
Concen: 96.443 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 755114

Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.4
77	31.3	24.6	37.0



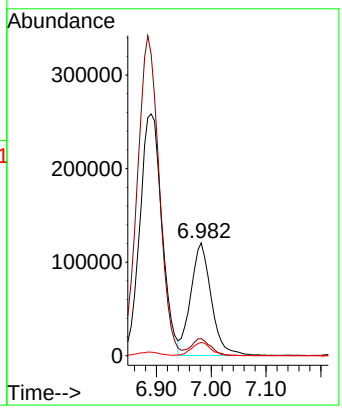


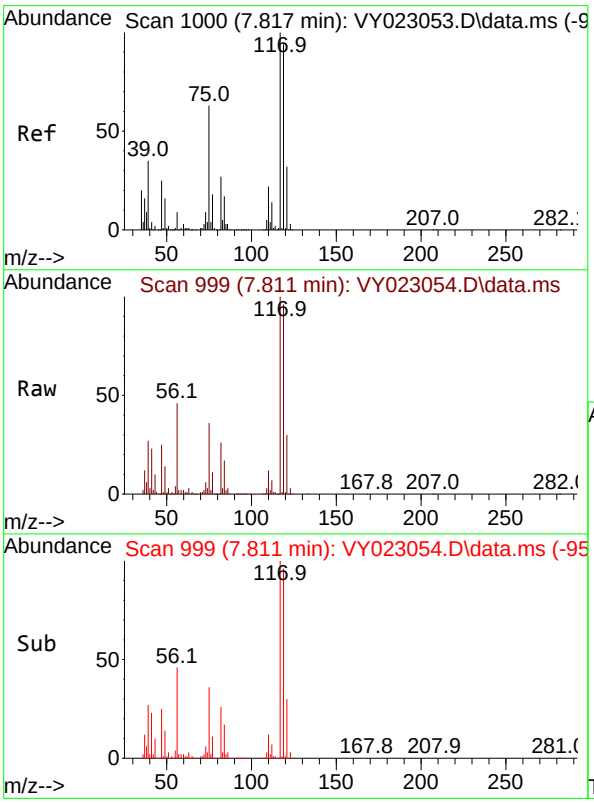
#37
Ethyl Acetate
Concen: 95.302 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 313447

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.9	17.9
70	11.2	8.8	13.2

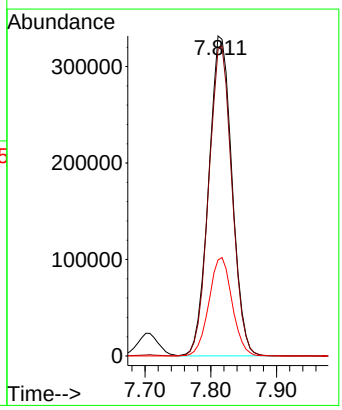


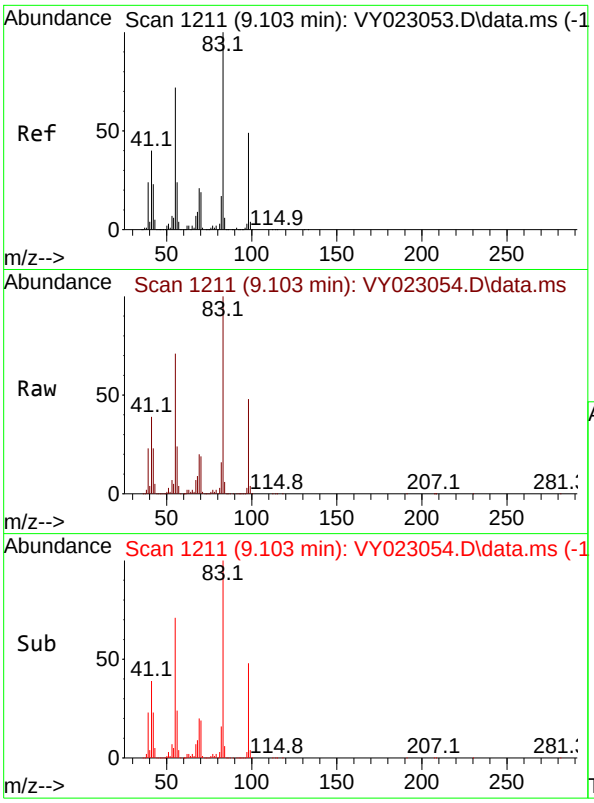


#38
Carbon Tetrachloride
Concen: 96.419 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:117 Resp: 819941

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.6	113.4
121	30.0	25.8	38.8



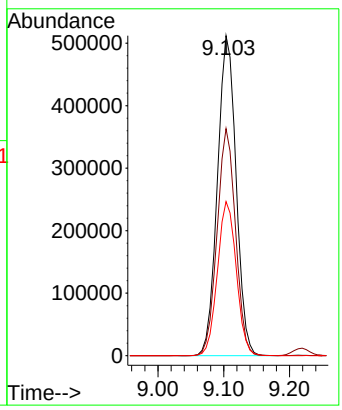


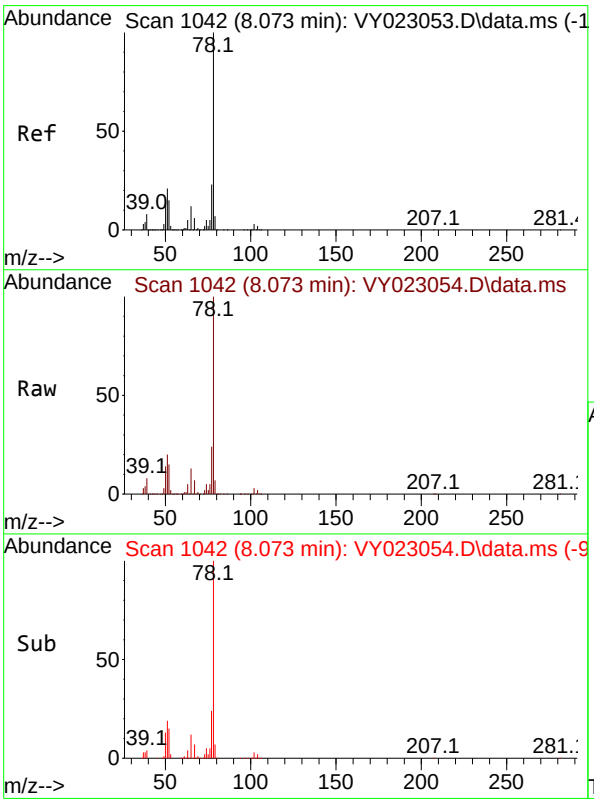
#39
Methylcyclohexane
Concen: 98.146 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 1011944

Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.6	86.4
98	48.2	39.2	58.8

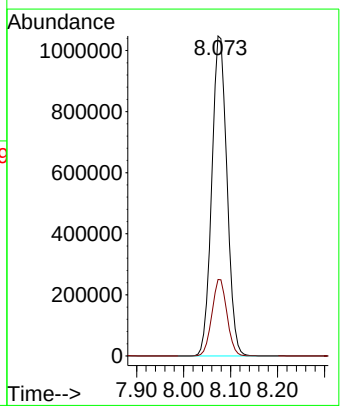


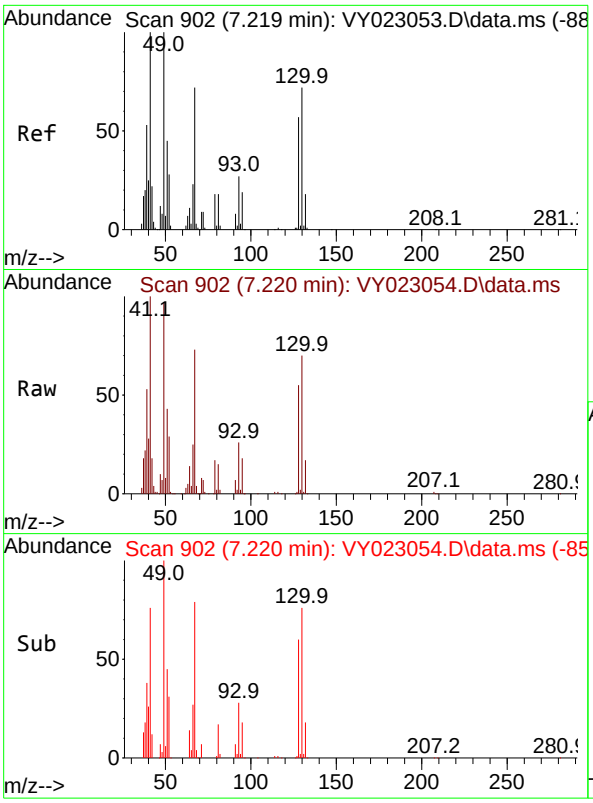


#40
Benzene
Concen: 97.324 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 78 Resp: 2348617

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0



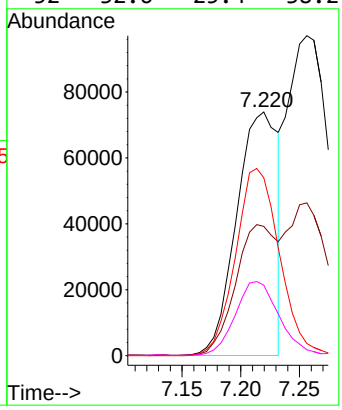


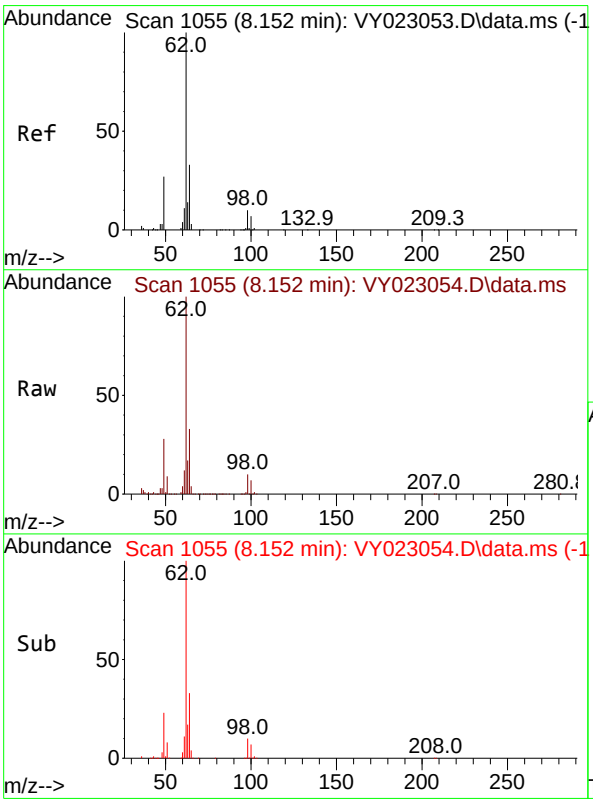
#41
Methacrylonitrile
Concen: 94.973 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 180468

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.4	65.2
67	82.3	63.6	95.4
52	32.6	25.4	38.2

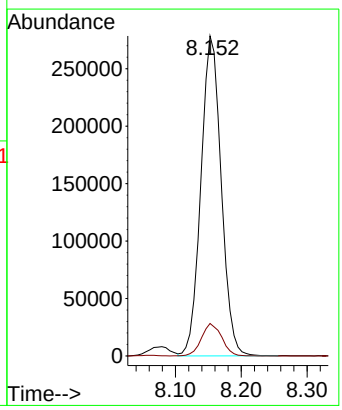


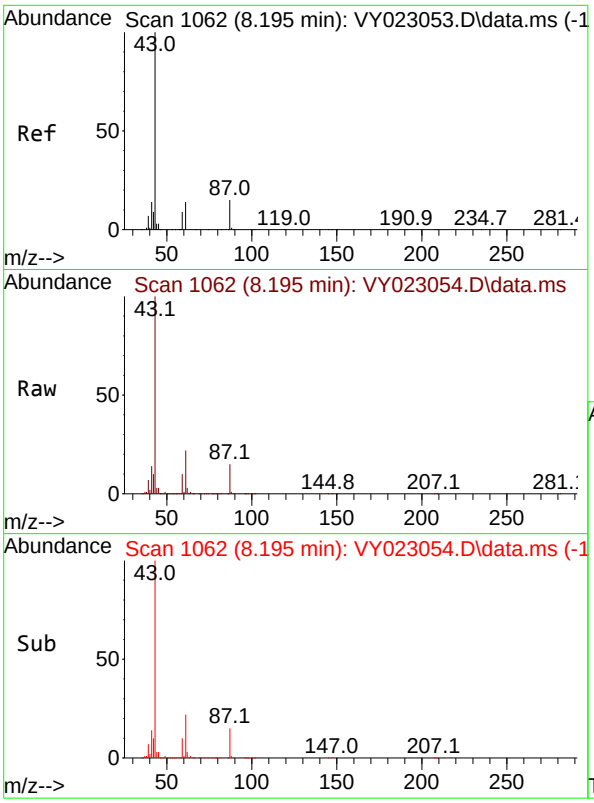


#42
1,2-Dichloroethane
Concen: 95.155 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 597215

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



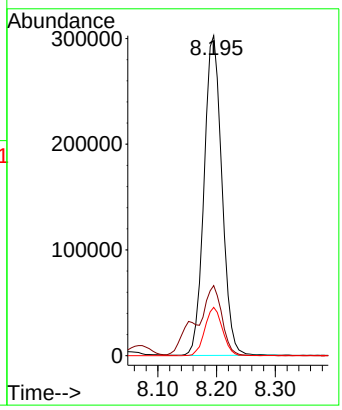


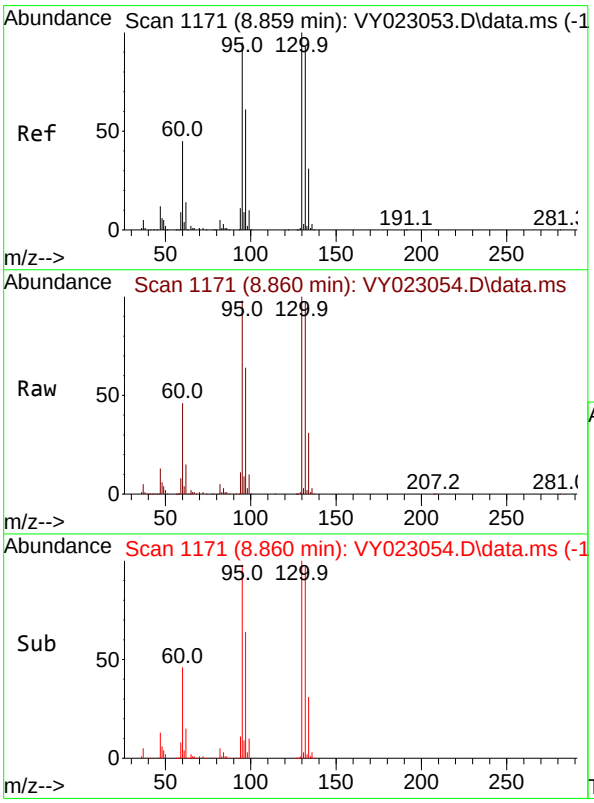
#43
Isopropyl Acetate
Concen: 95.780 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 636710

Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.4	24.6
87	14.9	11.8	17.6

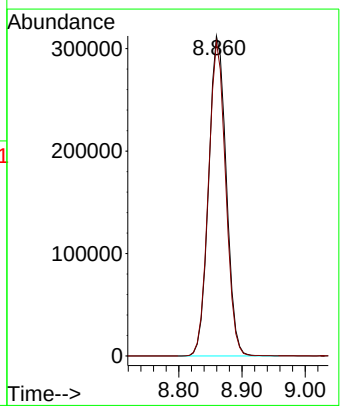


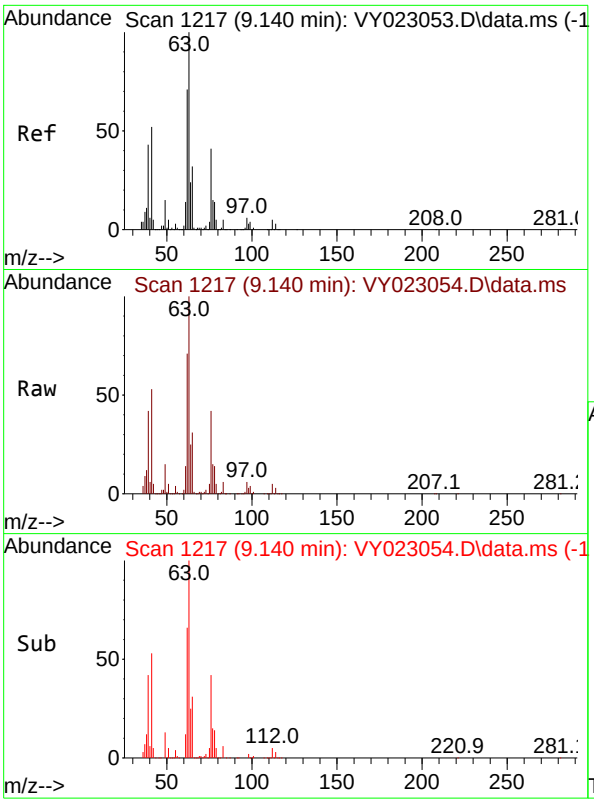


#44
Trichloroethene
Concen: 96.584 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:130 Resp: 602322

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	190.2



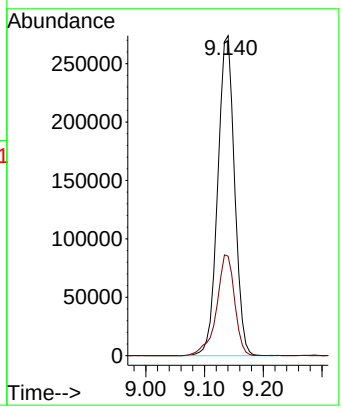


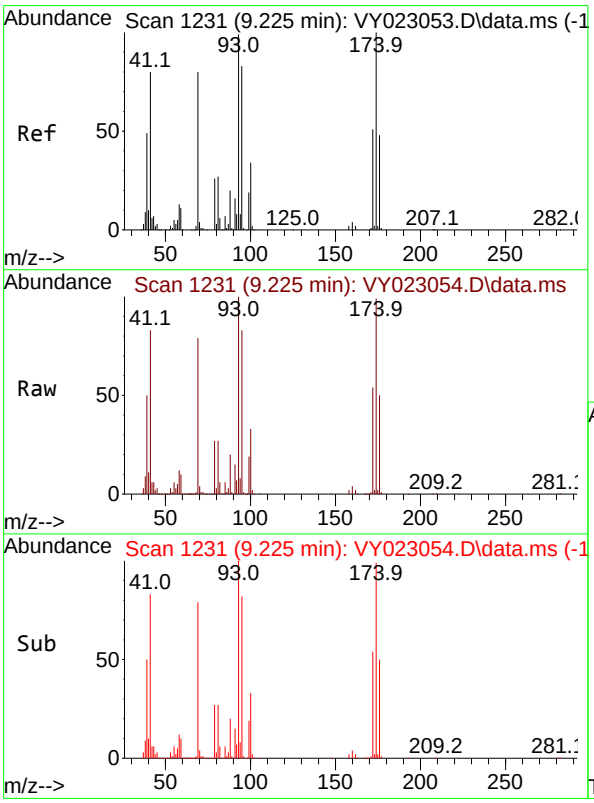
#45
1,2-Dichloropropane
Concen: 97.899 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 543589

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.3	37.9

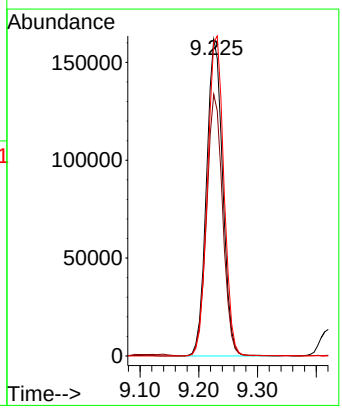


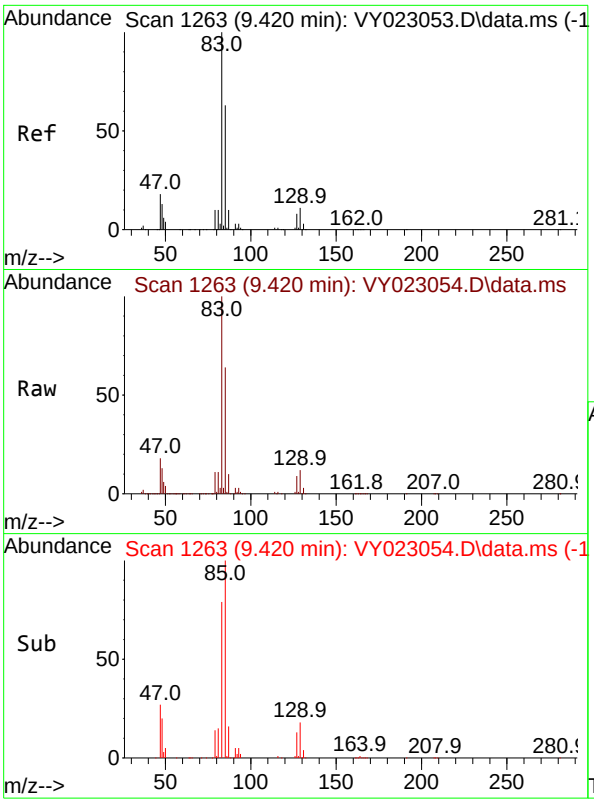


#46
Dibromomethane
Concen: 97.052 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 93 Resp: 309302

Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.5	99.7
174	101.9	81.8	122.8



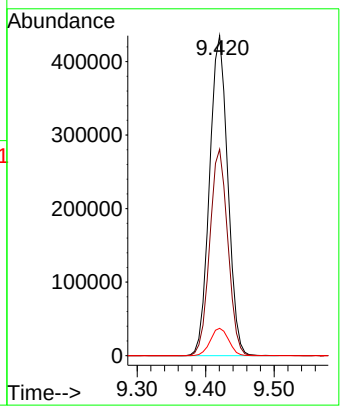


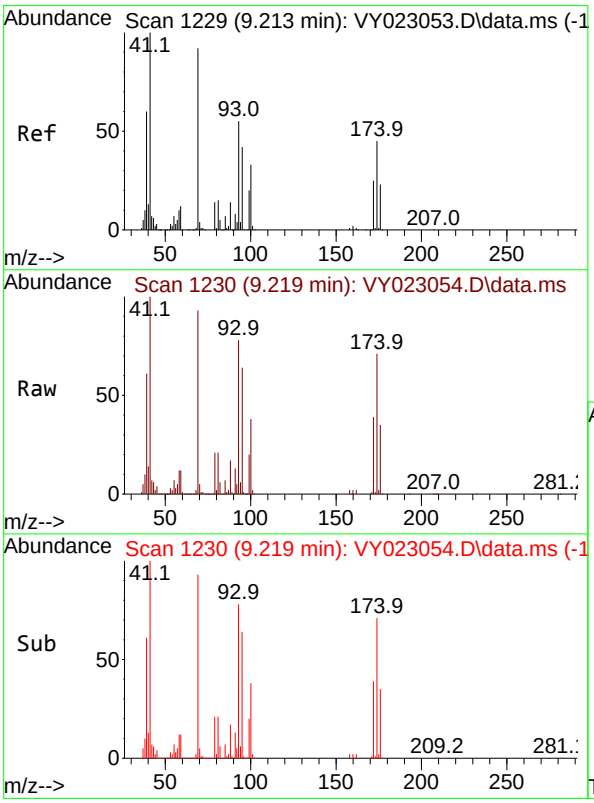
#47
Bromodichloromethane
Concen: 97.864 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 802532

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.5	6.6	10.0

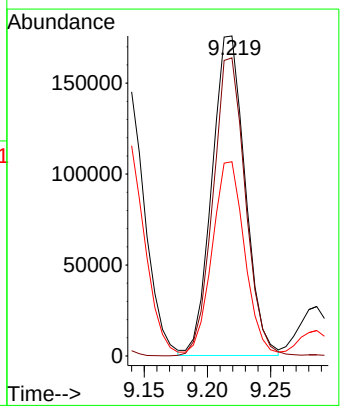


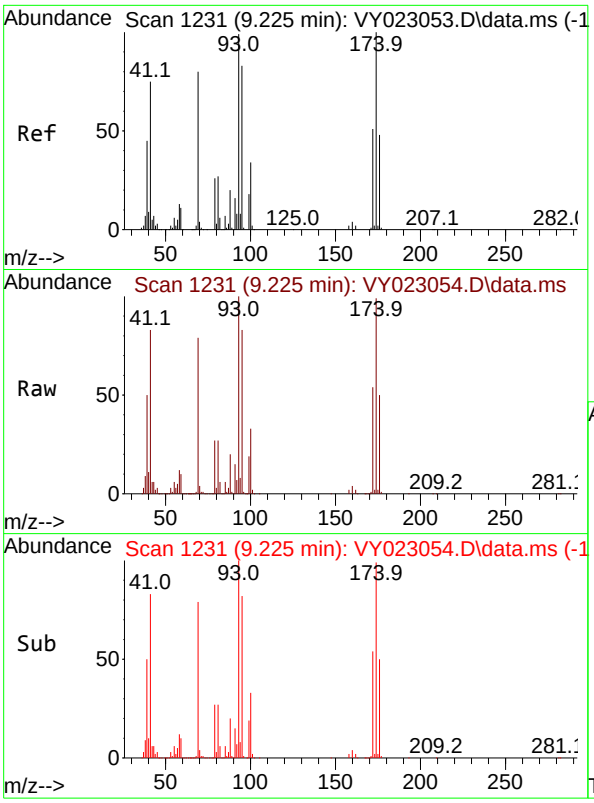


#48
Methyl methacrylate
Concen: 100.567 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 319906

Ion	Ratio	Lower	Upper
41	100		
69	91.4	73.2	109.8
39	57.6	47.0	70.4



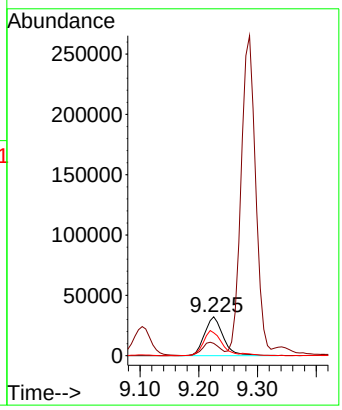


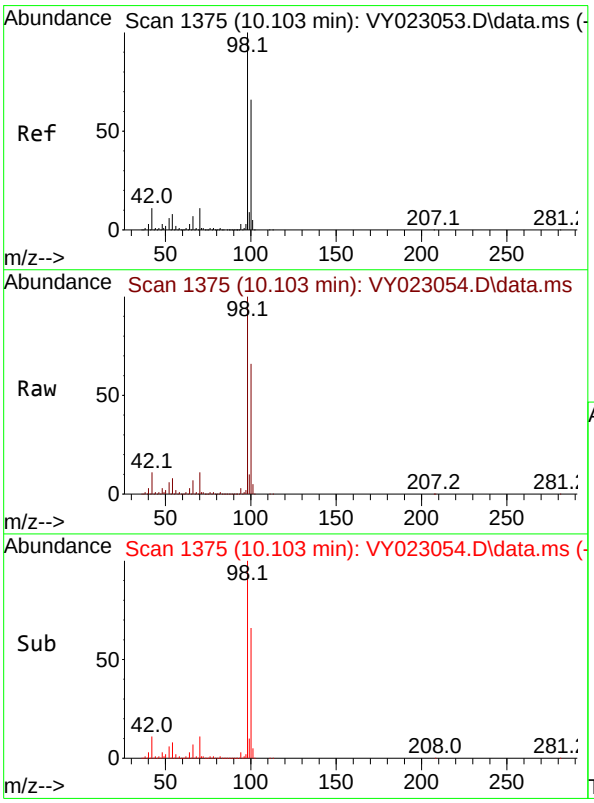
#49
1,4-Dioxane
Concen: 1908.039 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 71300

Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.3	36.5
58	62.4	55.4	83.0

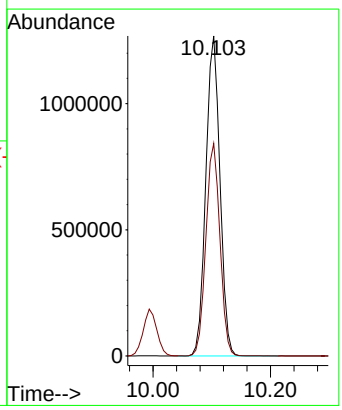


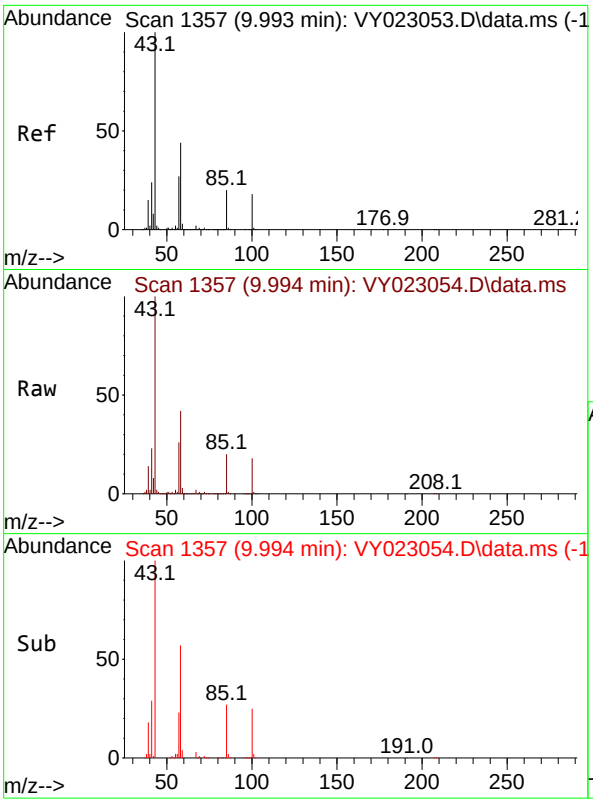


#50
Toluene-d8
Concen: 102.832 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 98 Resp: 2116445

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5



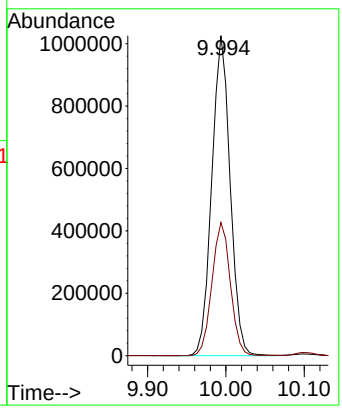


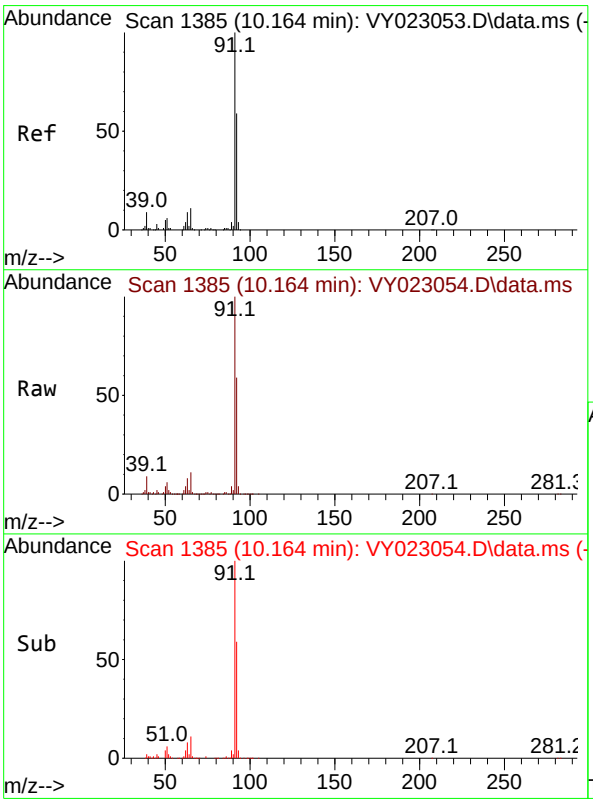
#51
4-Methyl-2-Pentanone
Concen: 486.924 ug/l
RT: 9.994 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1669668

Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.5	50.3

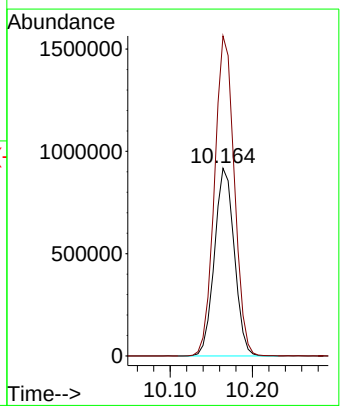


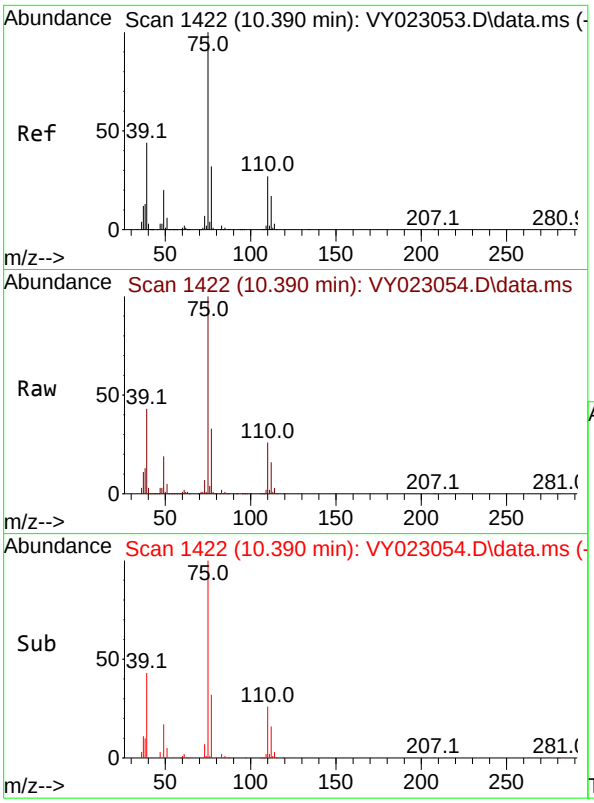


#52
Toluene
Concen: 100.288 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 92 Resp: 1537088

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6



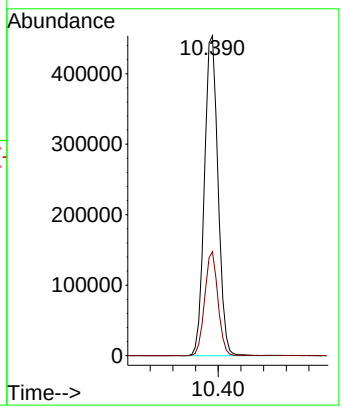


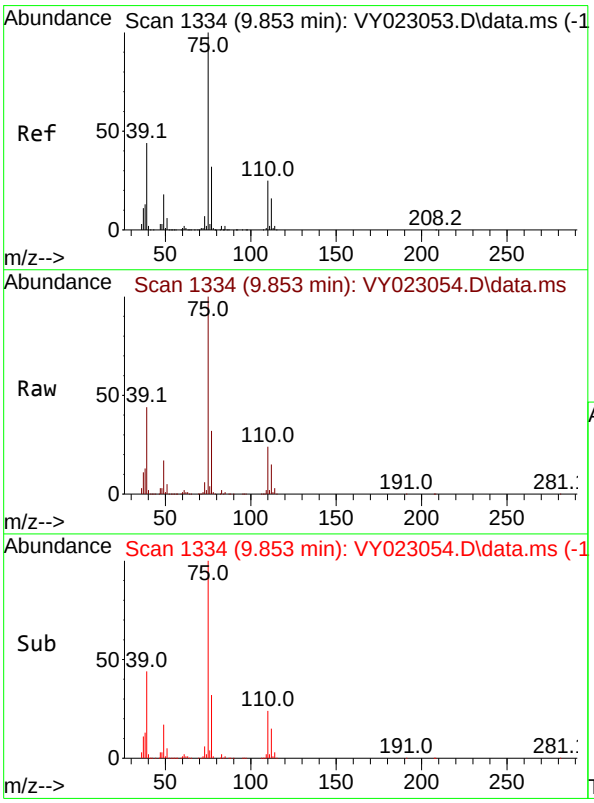
#53
t-1,3-Dichloropropene
Concen: 101.574 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 754278

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.7	38.5

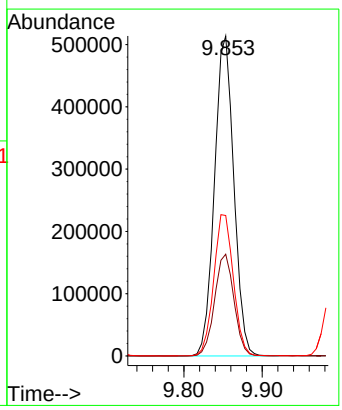


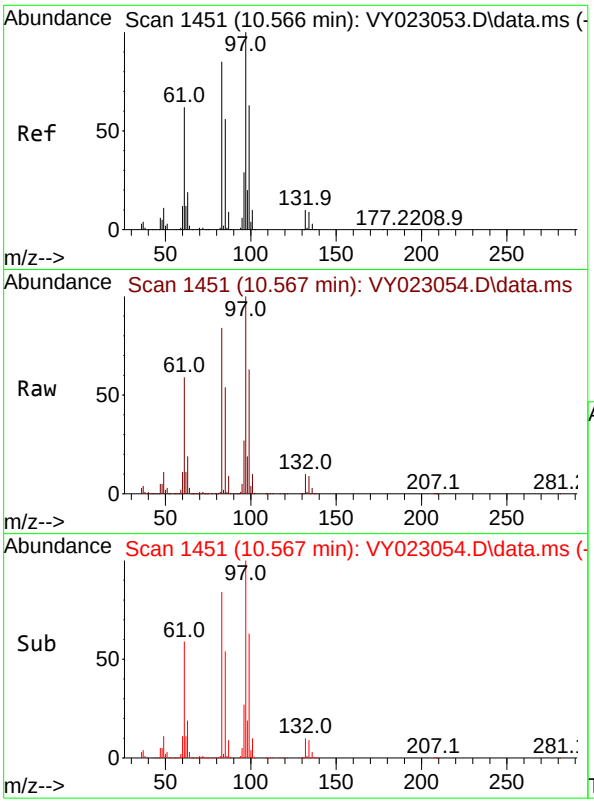


#54
cis-1,3-Dichloropropene
Concen: 100.281 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 880571

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	43.9	35.6	53.4



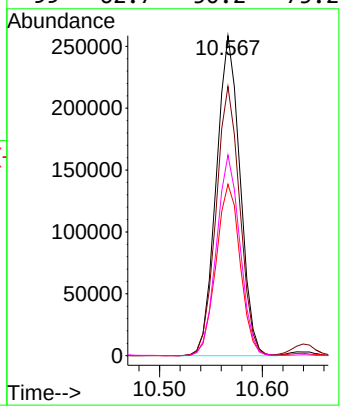


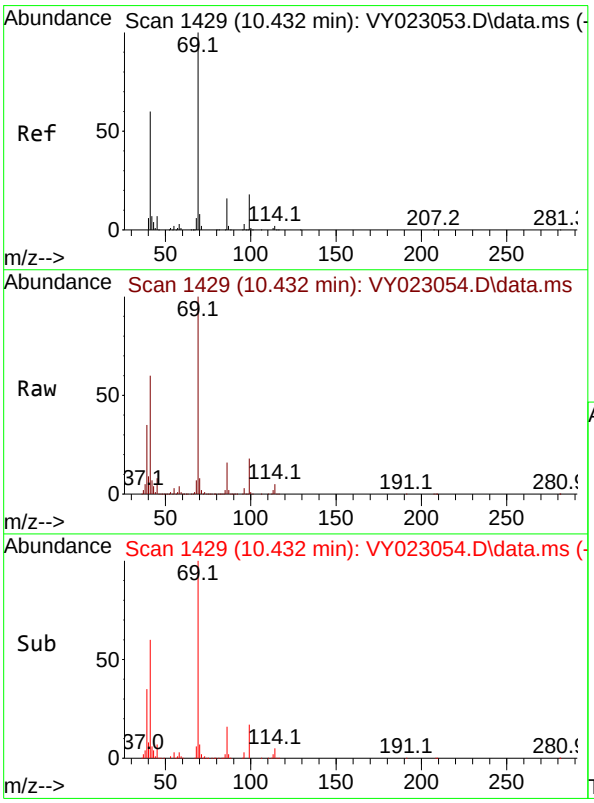
#55
1,1,2-Trichloroethane
Concen: 97.446 ug/l
RT: 10.567 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 415556

Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.7	101.5
85	53.5	44.5	66.7
99	62.7	50.2	75.2

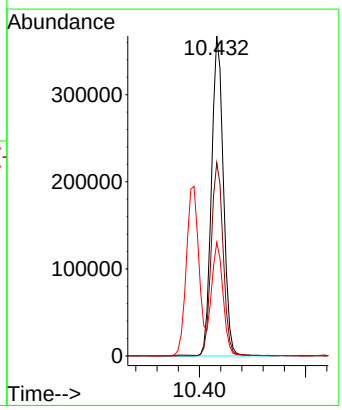


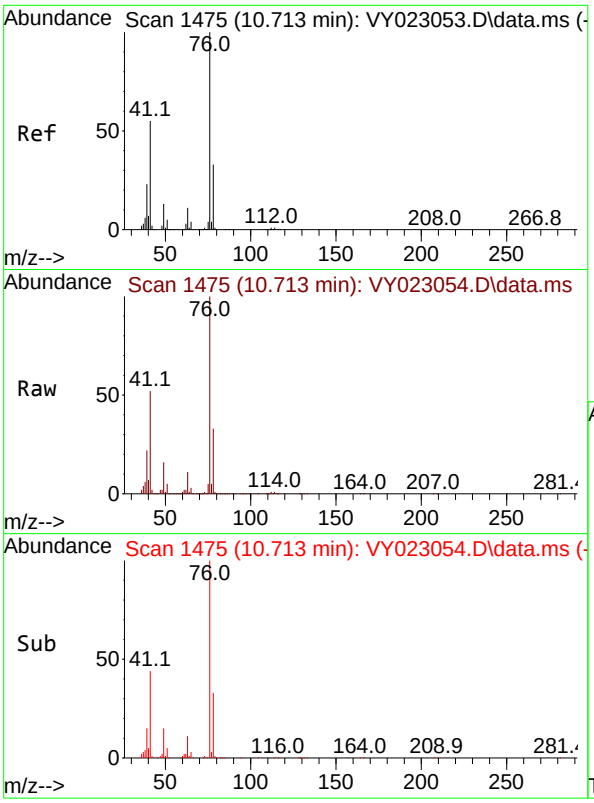


#56
Ethyl methacrylate
Concen: 104.375 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 69 Resp: 569556

Ion	Ratio	Lower	Upper
69	100		
41	60.4	48.6	72.8
39	33.4	27.0	40.4



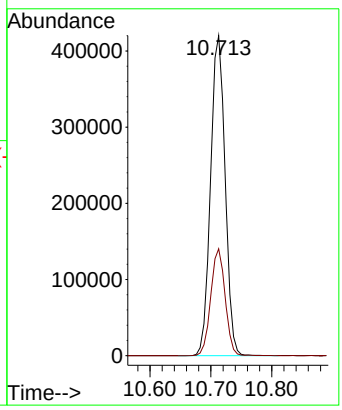


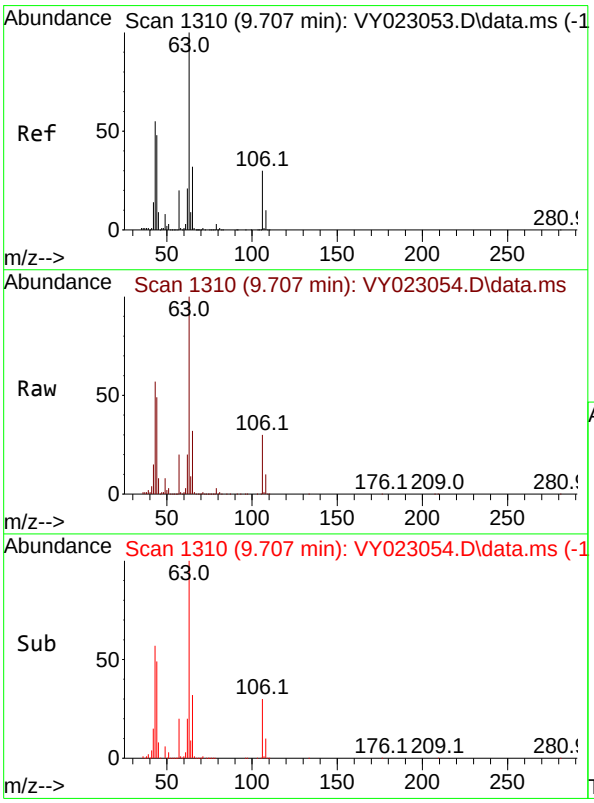
#57
1,3-Dichloropropane
Concen: 96.253 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 696130

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0

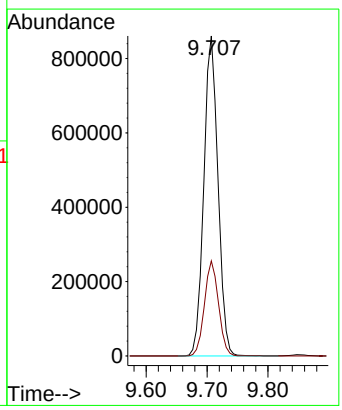


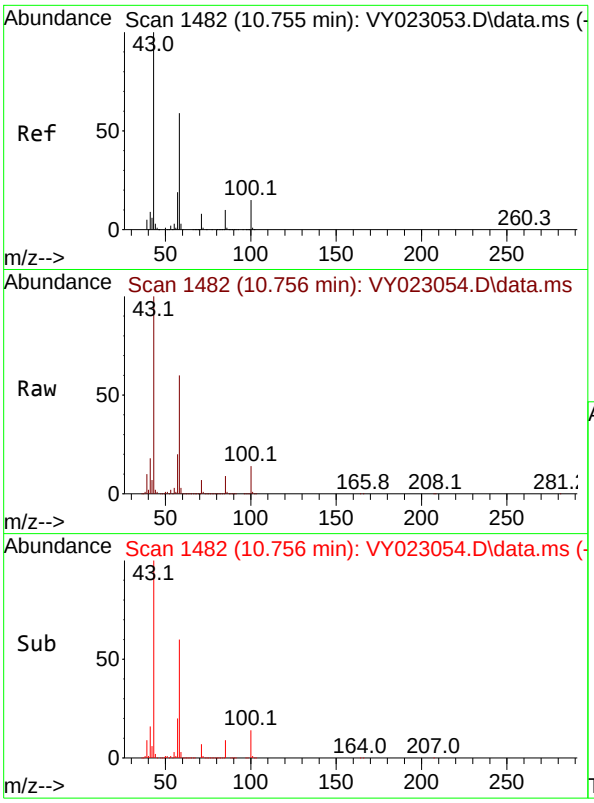


#58
2-Chloroethyl Vinyl ether
Concen: 539.957 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 63 Resp: 1389847

Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.2	34.8



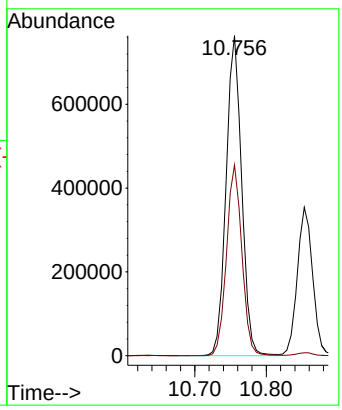


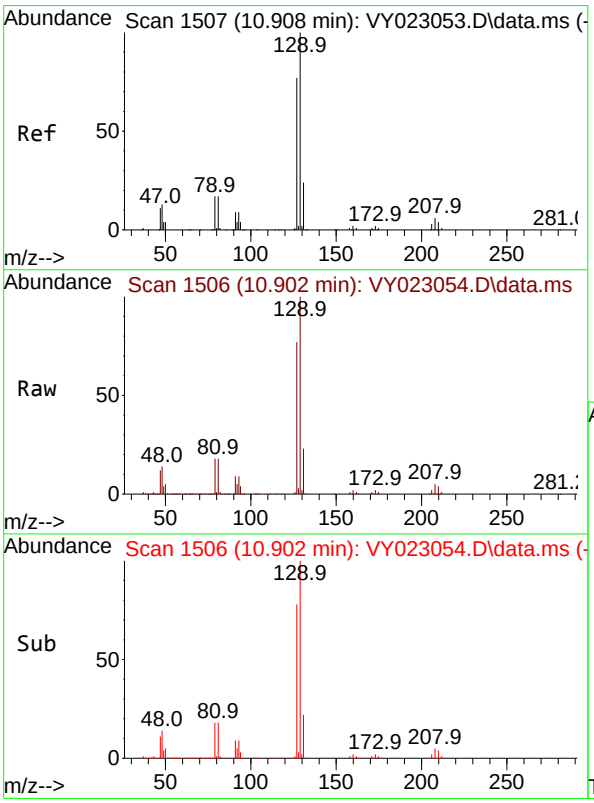
#59
2-Hexanone
Concen: 492.950 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1151000

Ion	Ratio	Lower	Upper
43	100		
58	58.9	29.5	88.5

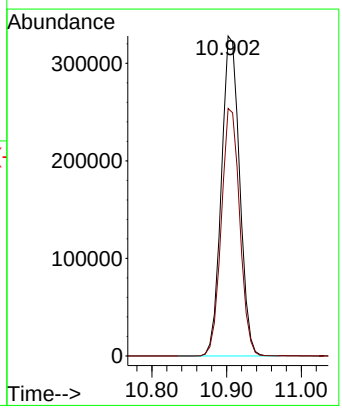


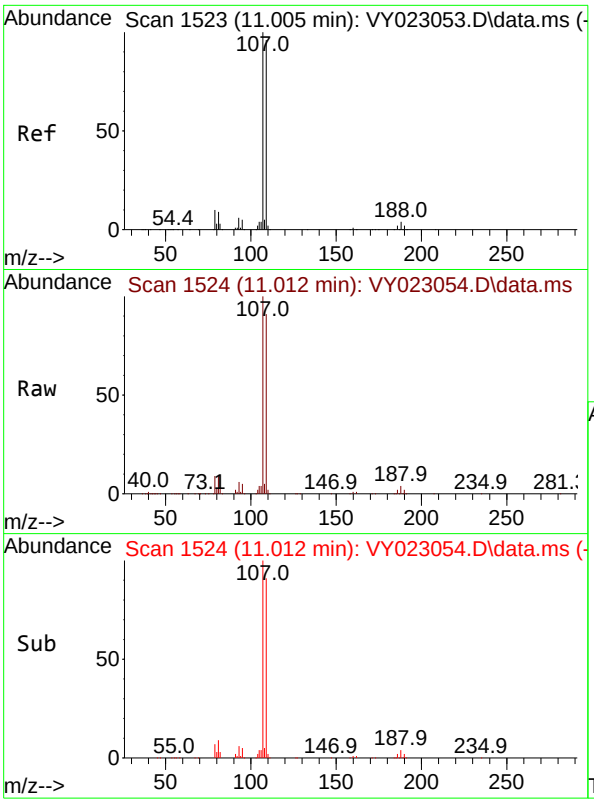


#60
Dibromochloromethane
Concen: 99.024 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:129 Resp: 557205

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



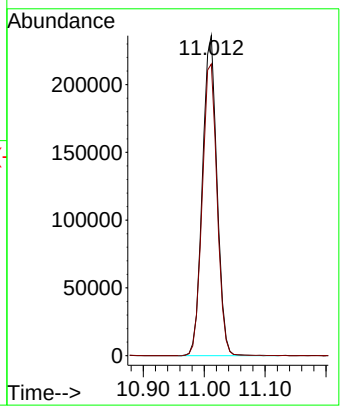


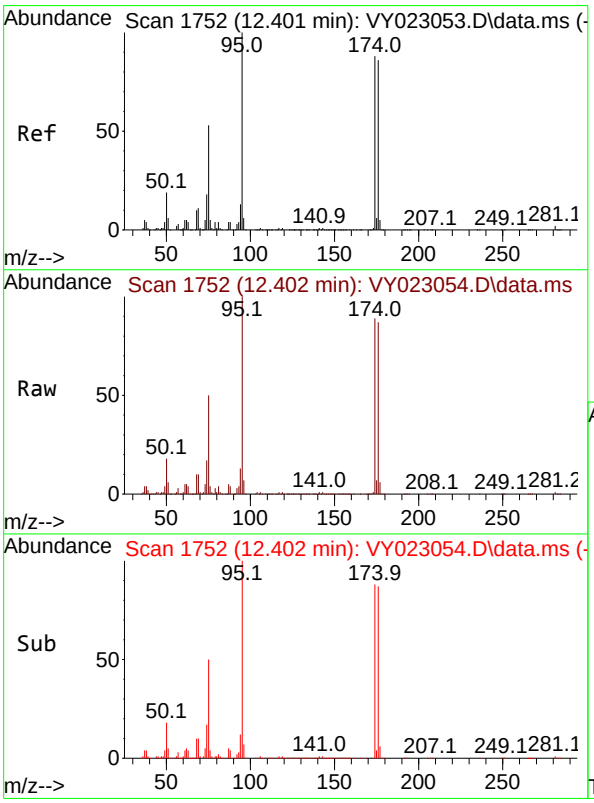
#61
1,2-Dibromoethane
Concen: 97.713 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 391650

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.6	113.4

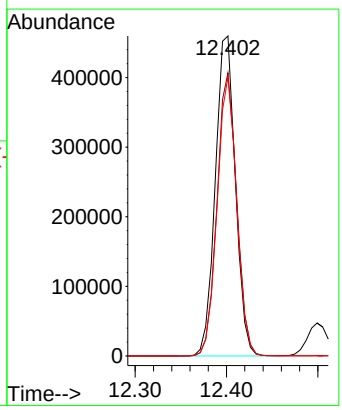


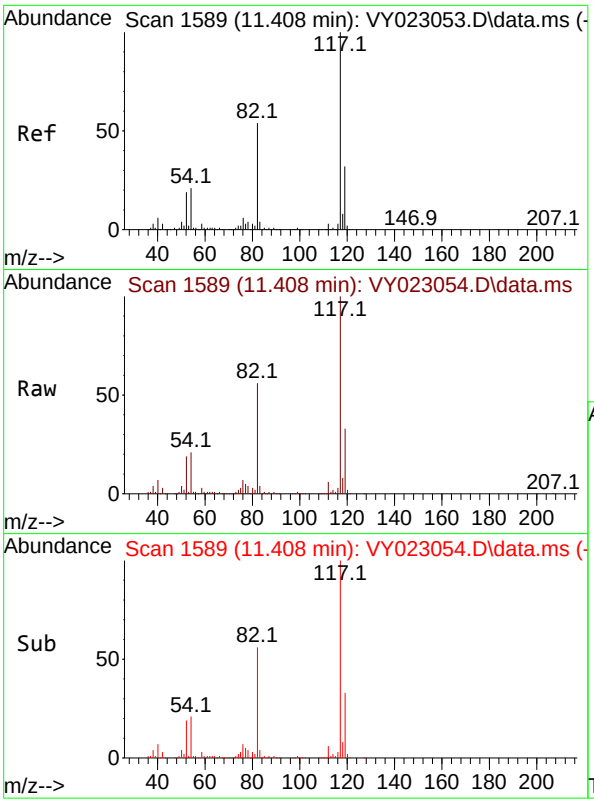


#62
4-Bromofluorobenzene
Concen: 106.147 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 95 Resp: 702583

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	171.6
176	84.8	0.0	167.6



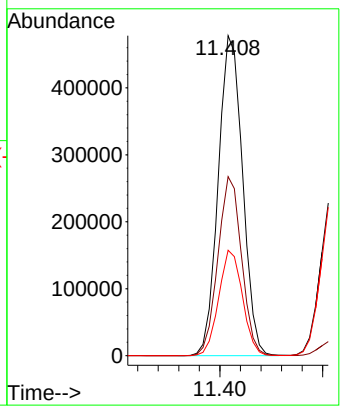


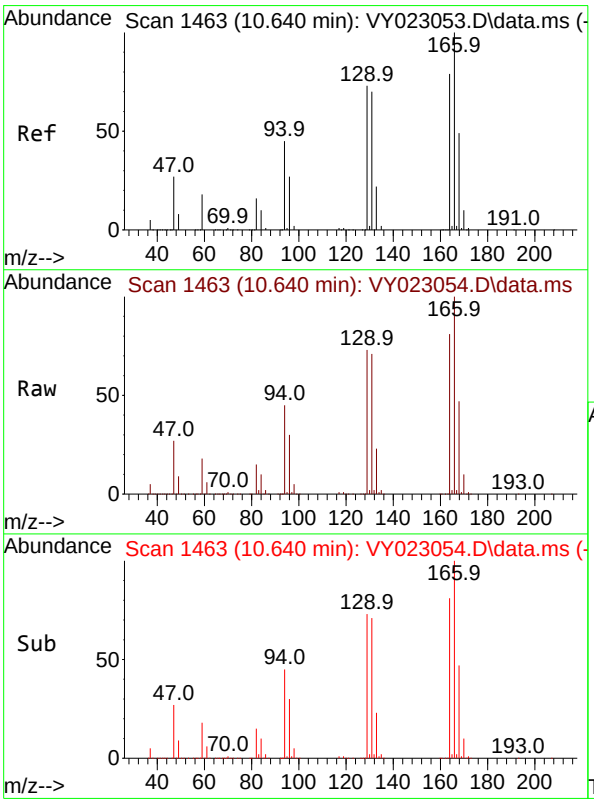
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 784385

Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.4	65.0
119	33.0	25.6	38.4

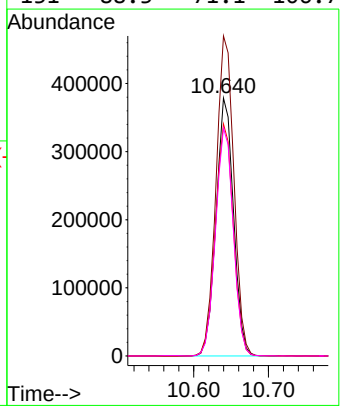


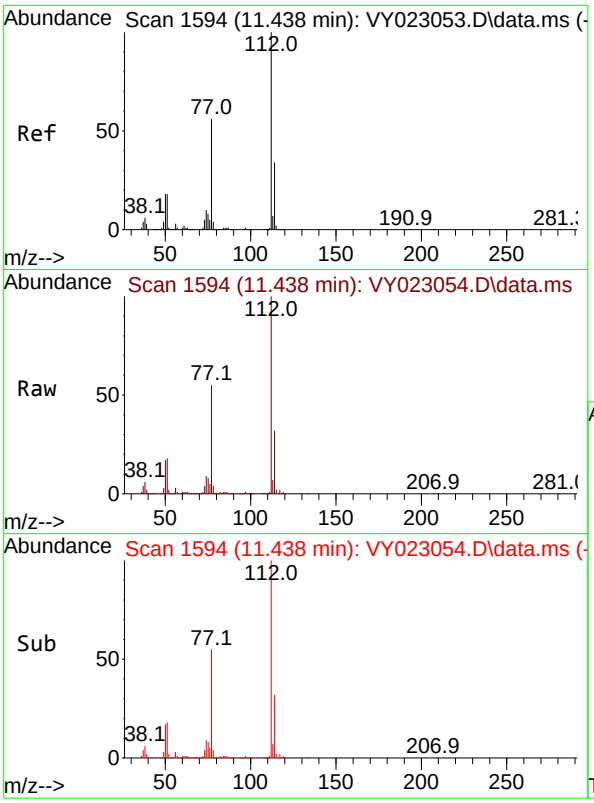


#64
Tetrachloroethene
Concen: 87.931 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:164 Resp: 615871

Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.1	151.7
129	90.0	74.0	111.0
131	88.3	71.1	106.7



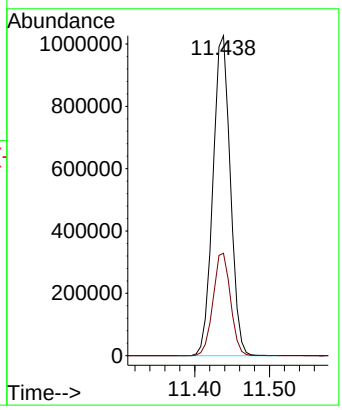


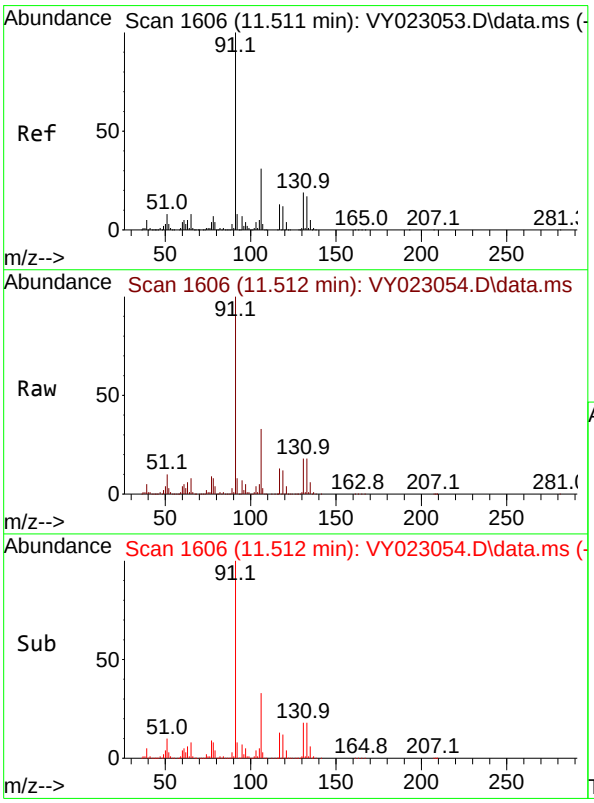
#65
Chlorobenzene
Concen: 98.004 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 1658154

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.4

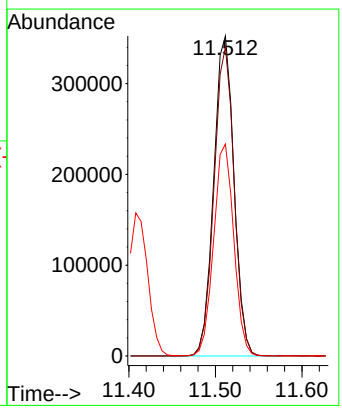


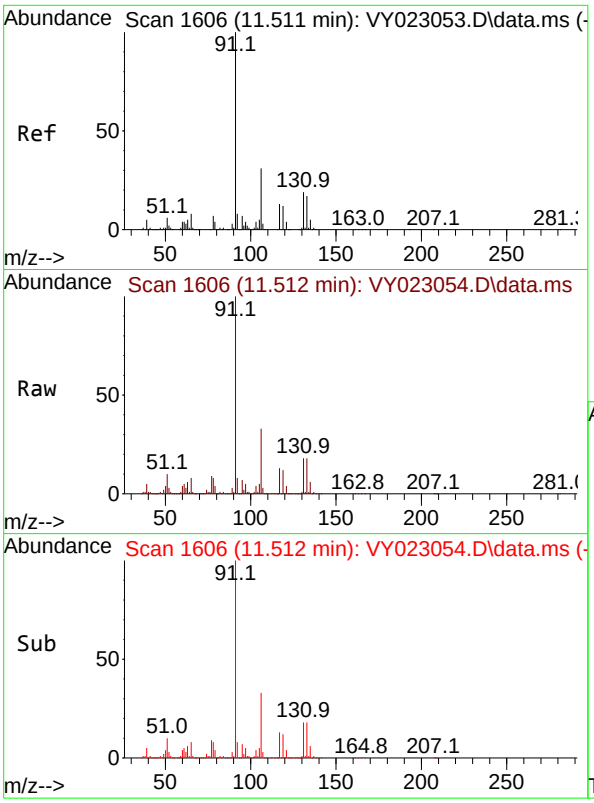


#66
1,1,1,2-Tetrachloroethane
Concen: 99.810 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:131 Resp: 573131

Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.9	140.6
119	65.9	33.2	99.6



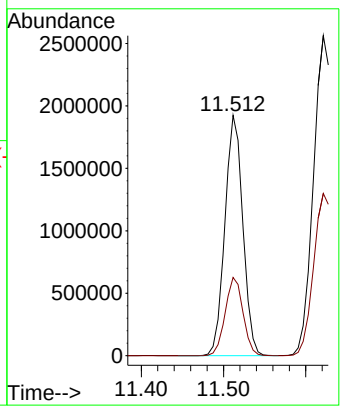


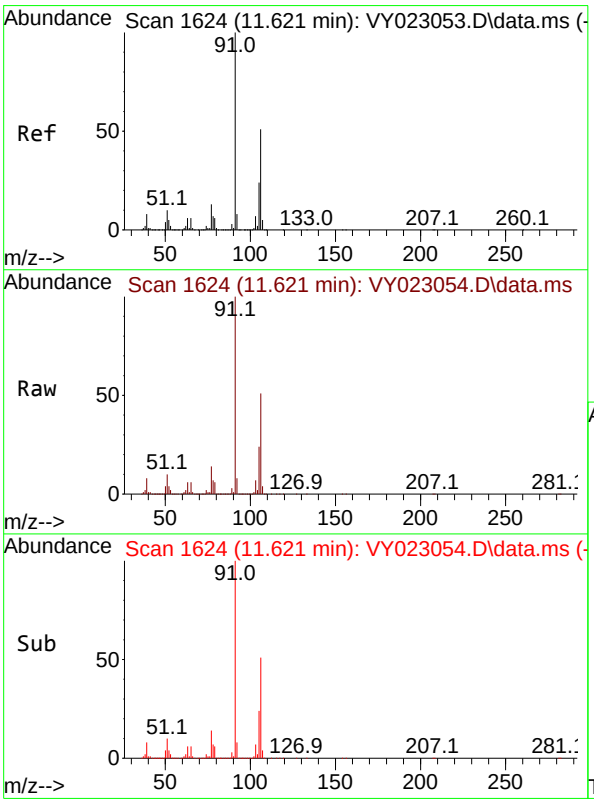
#67
Ethyl Benzene
Concen: 100.082 ug/l
RT: 11.512 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 2914020

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.0	37.4

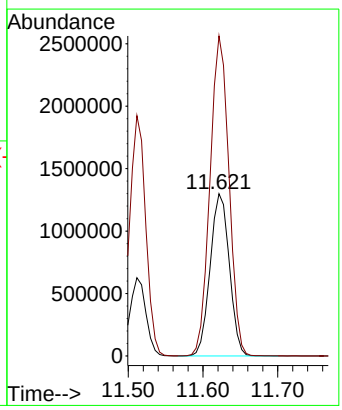


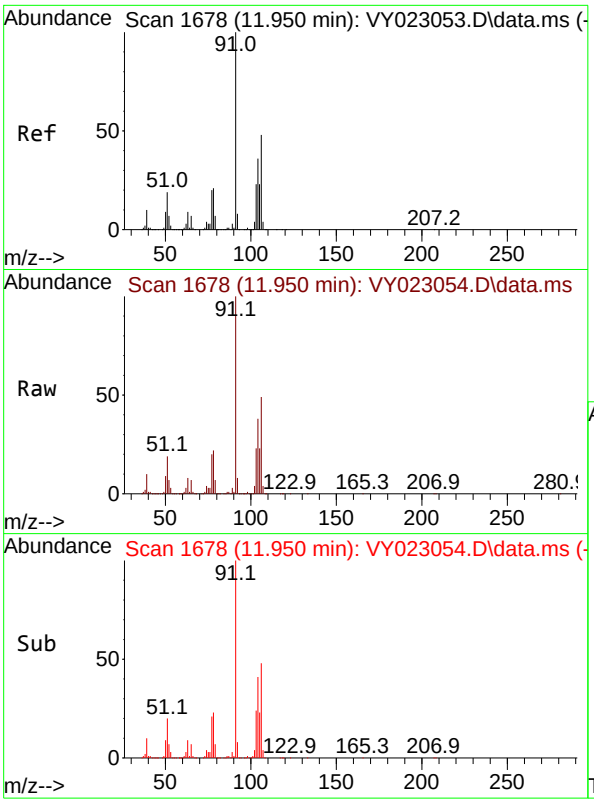


#68
m/p-Xylenes
Concen: 203.363 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:106 Resp: 2312597

Ion	Ratio	Lower	Upper
106	100		
91	195.1	158.6	238.0



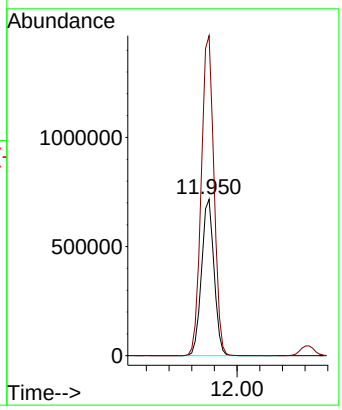


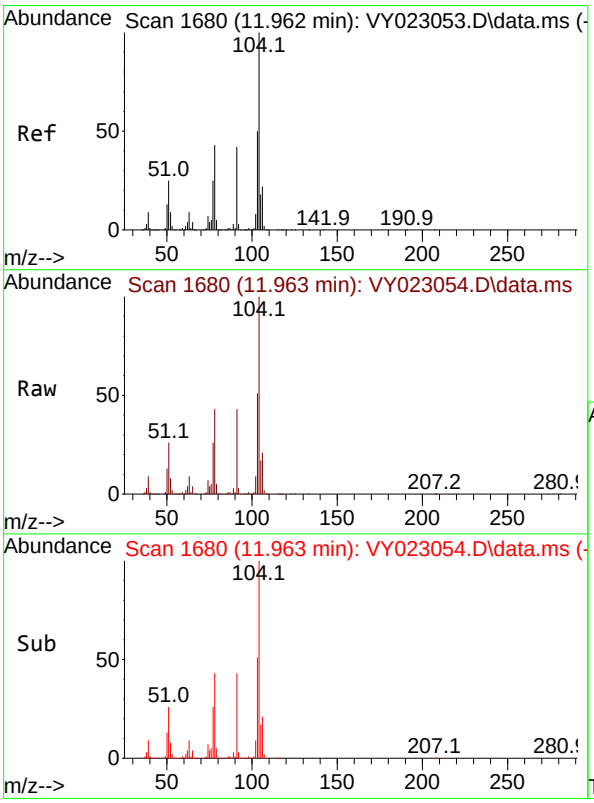
#69
o-Xylene
Concen: 103.373 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 1100998

Ion	Ratio	Lower	Upper
106	100		
91	207.5	103.2	309.4

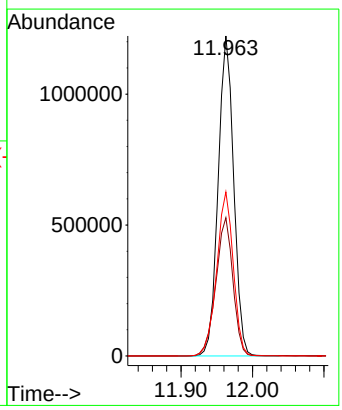


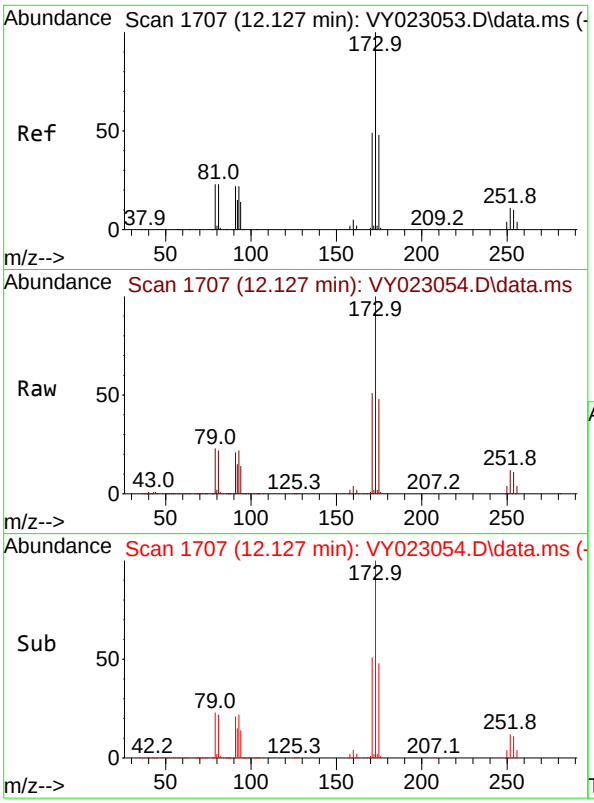


#70
Styrene
Concen: 105.953 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:104 Resp: 1845480

Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	54.9	43.7	65.5



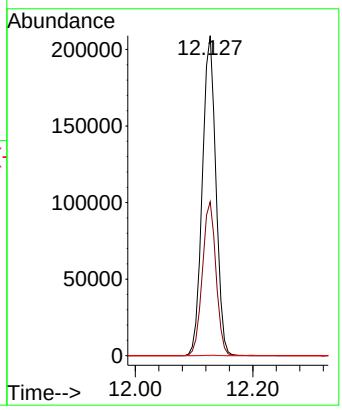


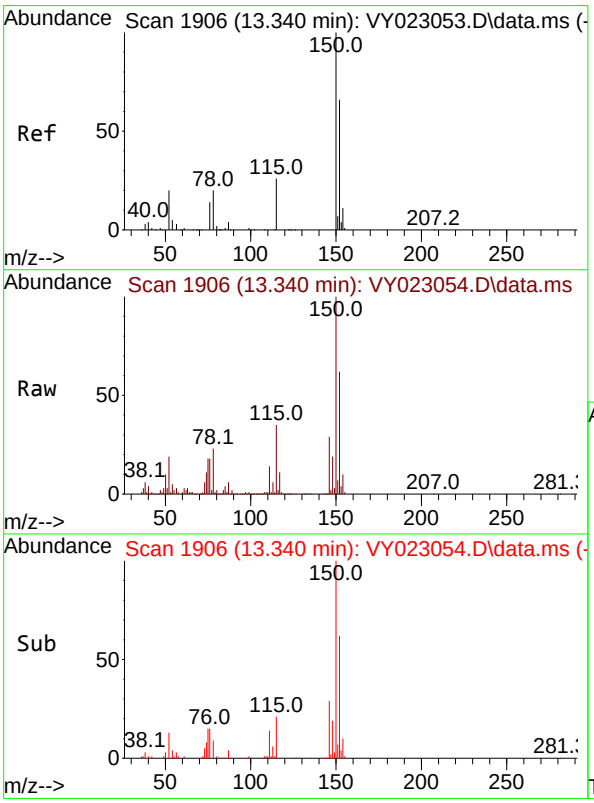
#71
Bromoform
Concen: 99.786 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 334886

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.7
254	0.1	0.1	0.1#

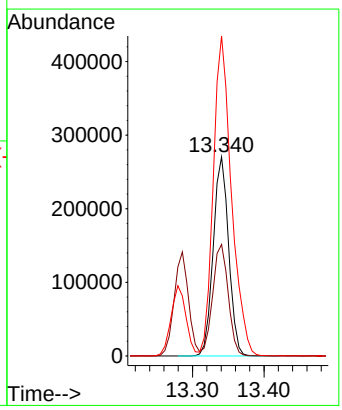


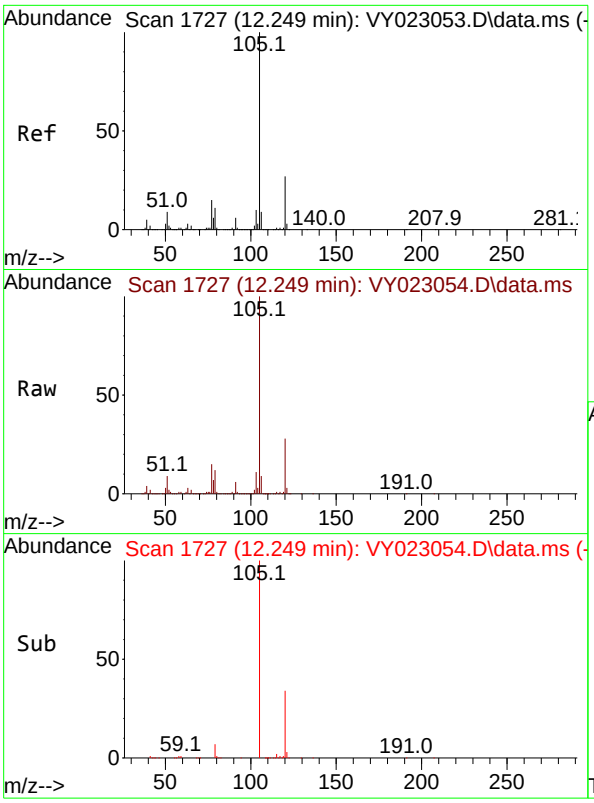


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:152 Resp: 404136

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	189.2	0.0	348.0



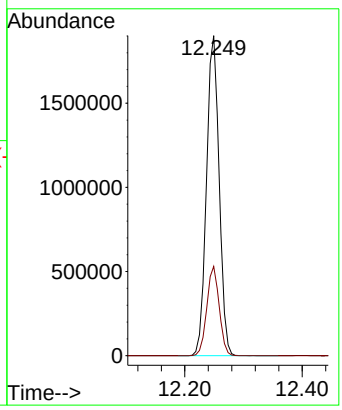


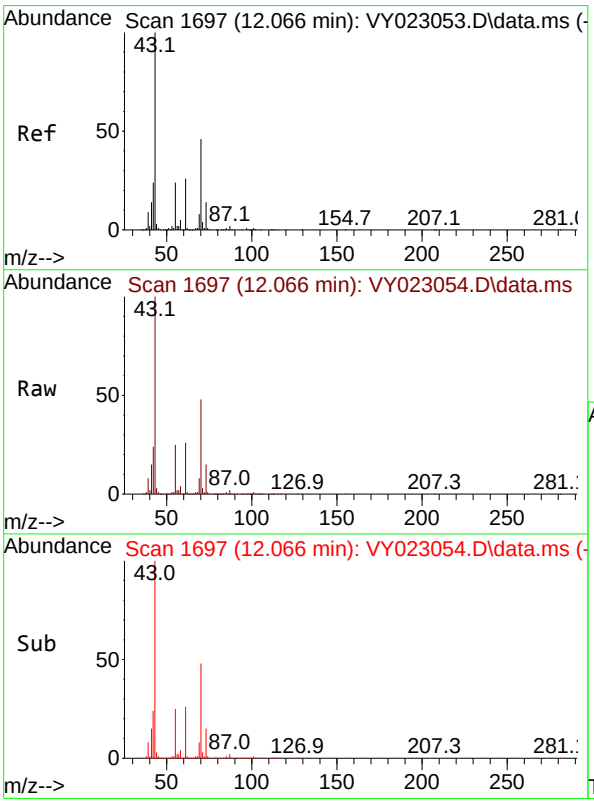
#73
Isopropylbenzene
Concen: 99.567 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 2839999

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.4	40.2

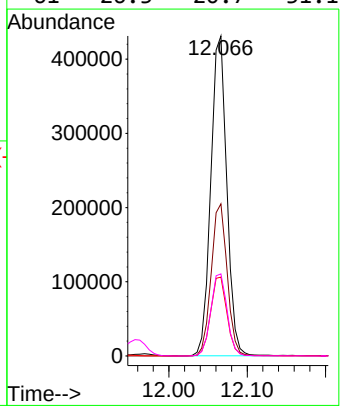


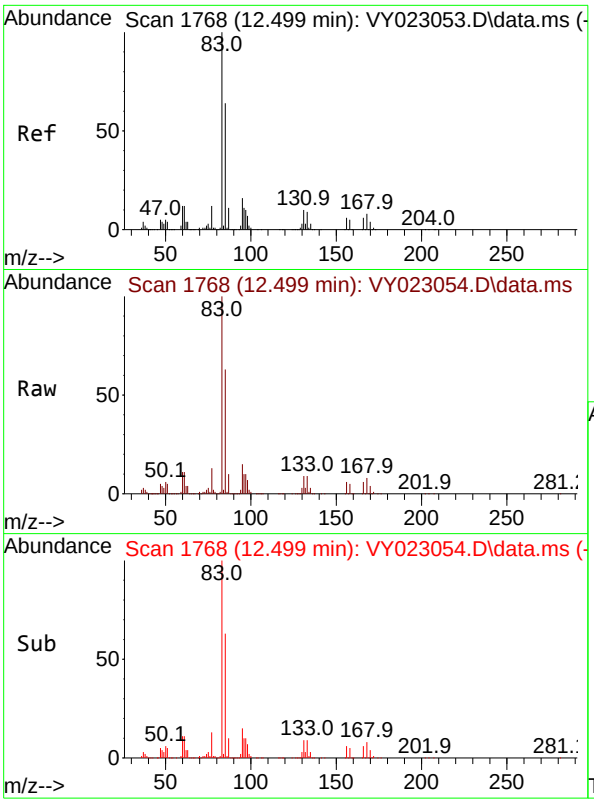


#74
N-amyl acetate
Concen: 100.955 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 610668

Ion	Ratio	Lower	Upper
43	100		
70	47.8	37.5	56.3
55	25.3	20.7	31.1
61	26.3	20.7	31.1



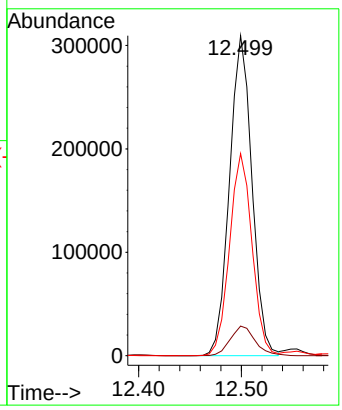


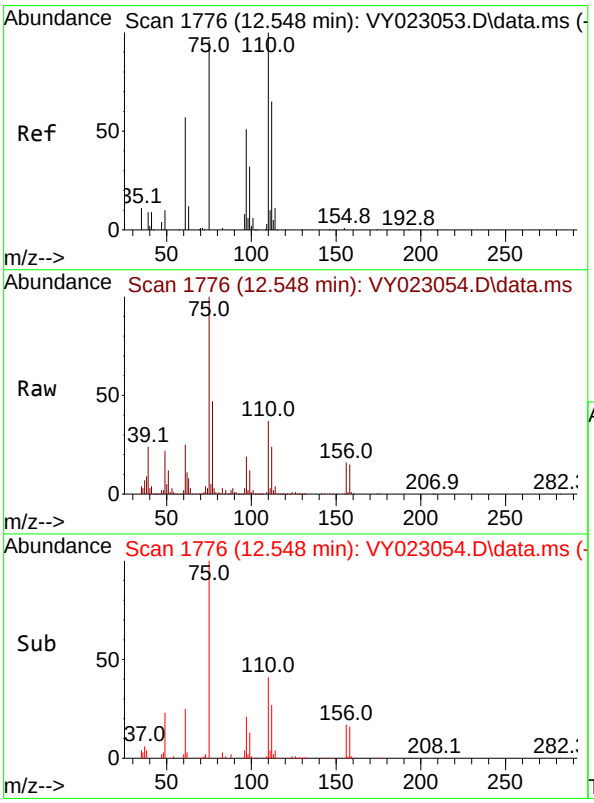
#75
1,1,2,2-Tetrachloroethane
Concen: 96.464 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 469810

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	63.3	31.8	95.3

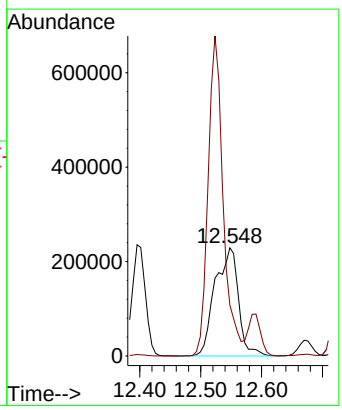


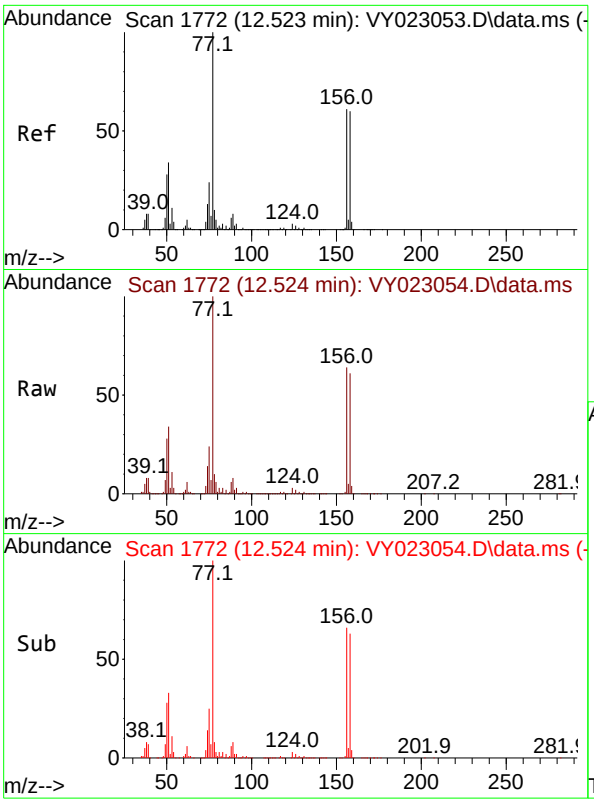


#76
1,2,3-Trichloropropane
Concen: 156.388 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 610364

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



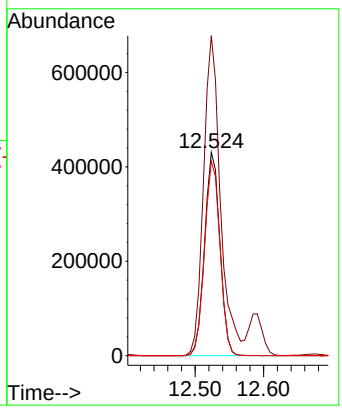


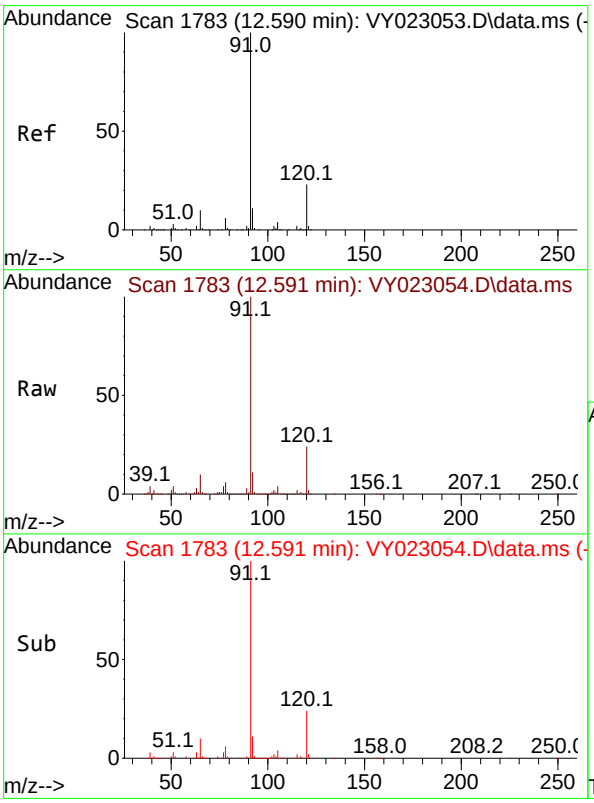
#77
Bromobenzene
Concen: 98.655 ug/l
RT: 12.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 671329

Ion	Ratio	Lower	Upper
156	100		
77	172.8	88.1	264.4
158	96.5	48.0	144.0

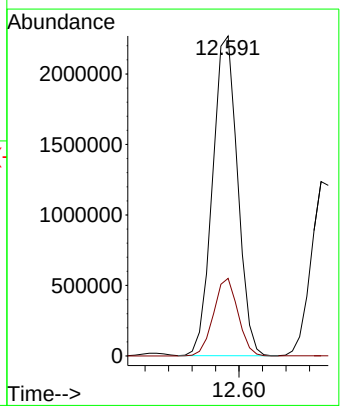


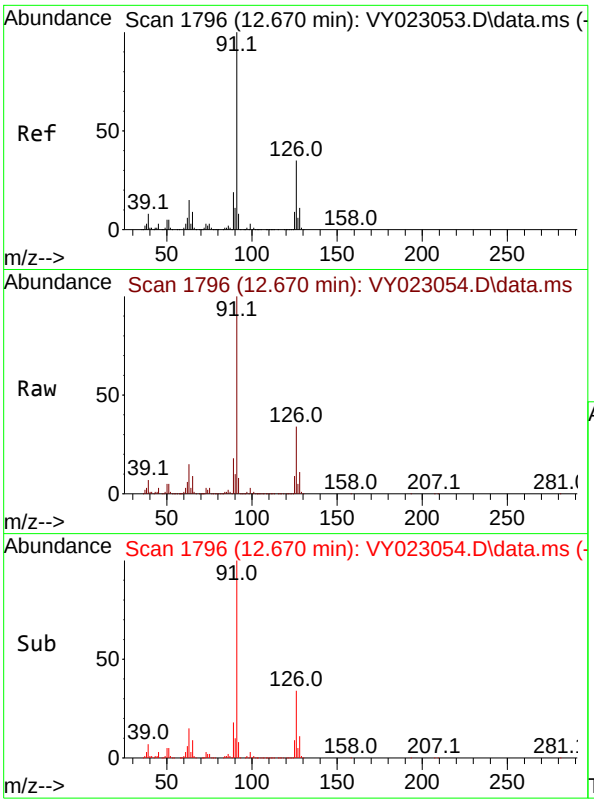


#78
n-propylbenzene
Concen: 98.963 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 3360679

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.5	34.5



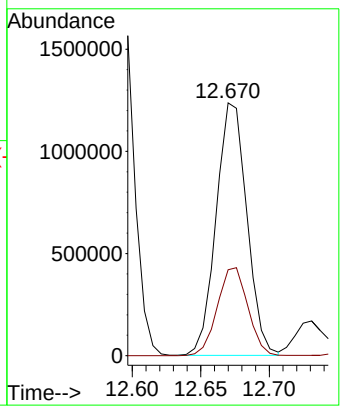


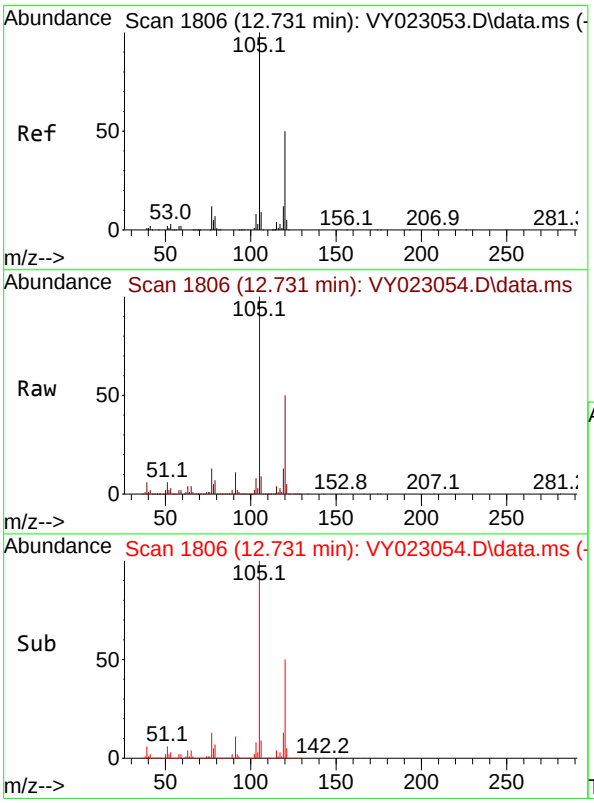
#79
2-Chlorotoluene
Concen: 99.268 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1931460

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3

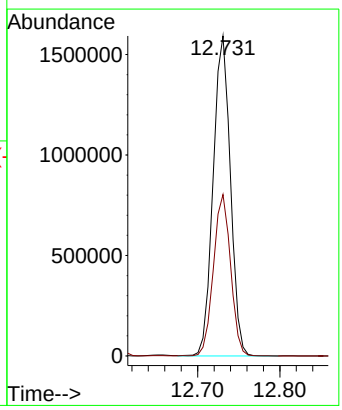


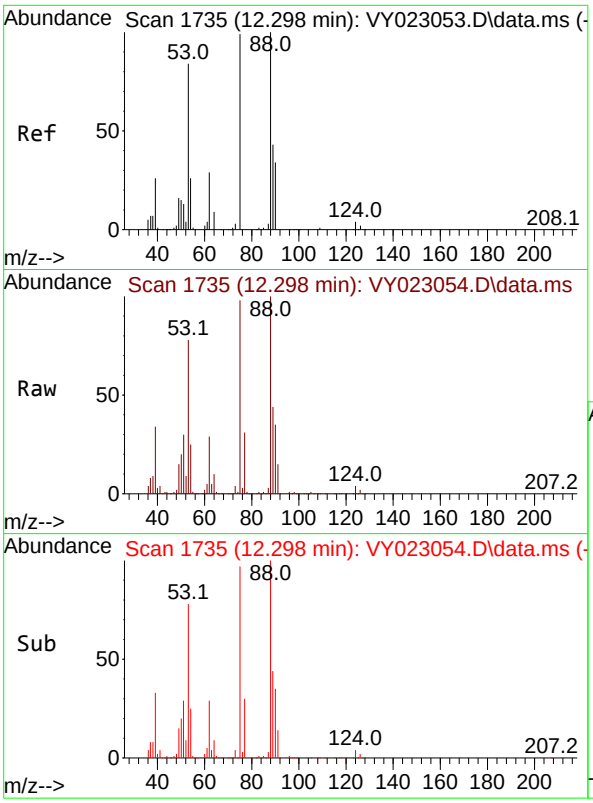


#80
1,3,5-Trimethylbenzene
Concen: 100.707 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 2321527

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.8	74.4



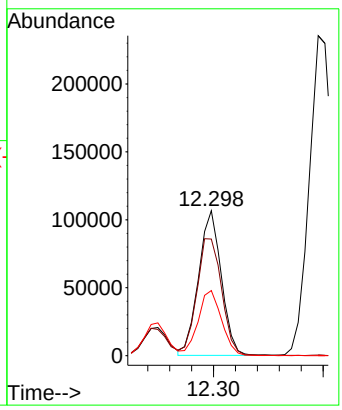


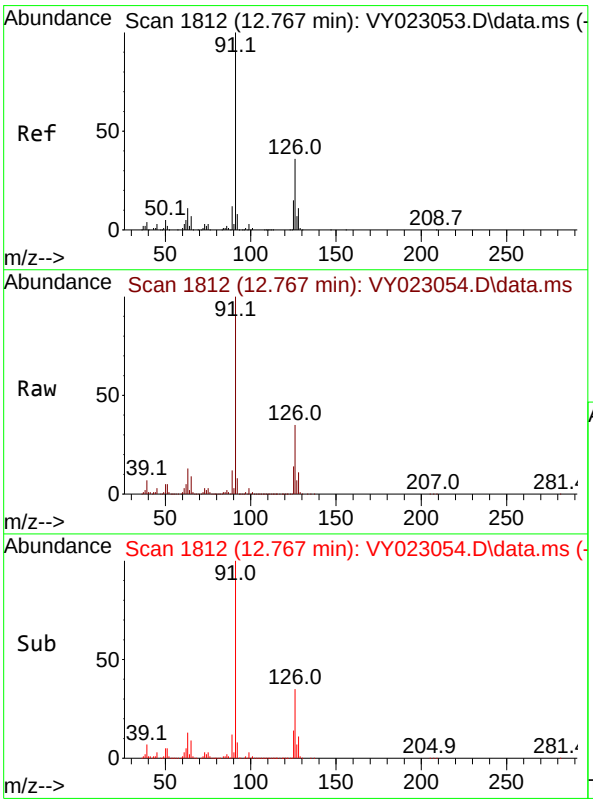
#81
trans-1,4-Dichloro-2-butene
Concen: 95.118 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 153260

Ion	Ratio	Lower	Upper
75	100		
53	88.4	70.8	106.2
89	47.0	38.1	57.1

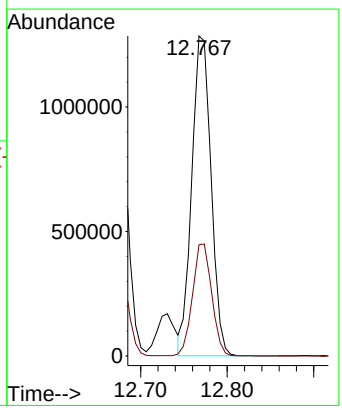


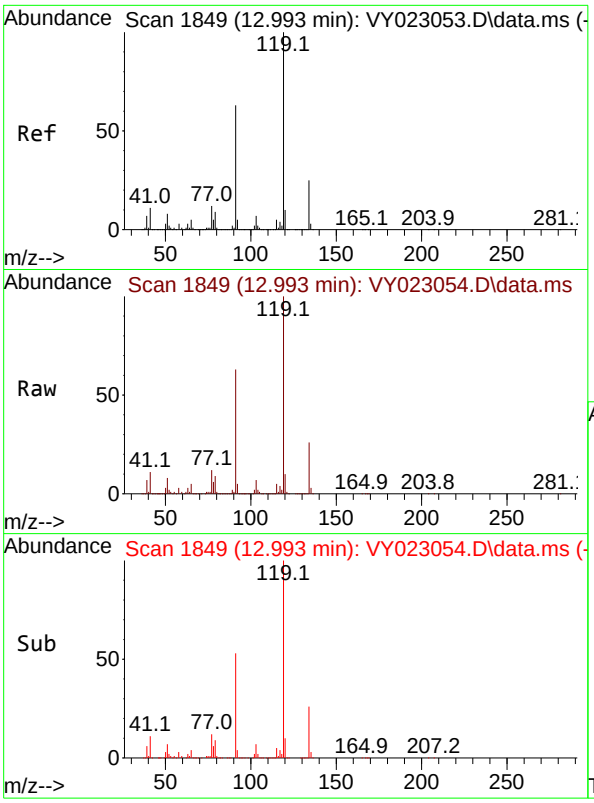


#82
4-Chlorotoluene
Concen: 98.519 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 1988544

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	52.0



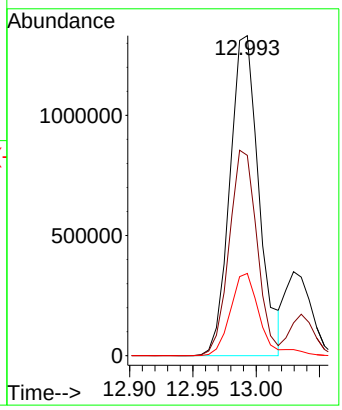


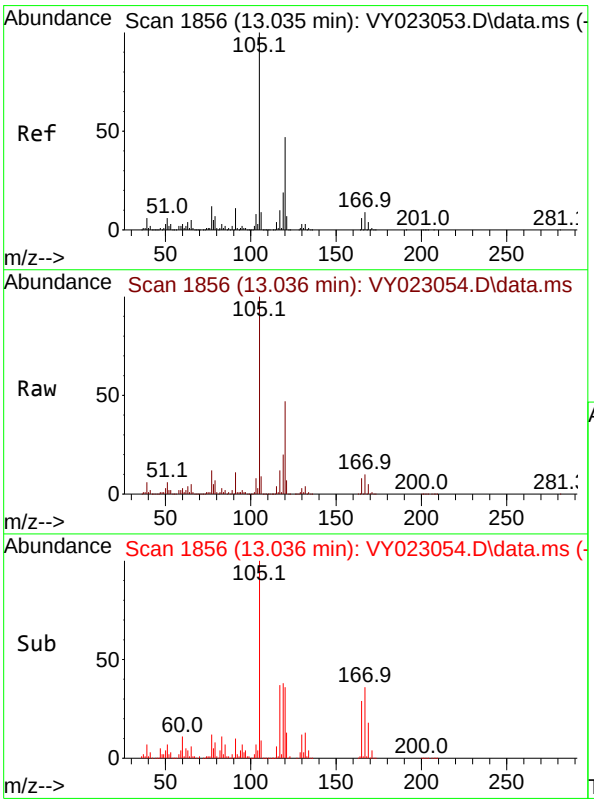
#83
tert-Butylbenzene
Concen: 102.102 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 2125785

Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.6	94.8
134	26.2	12.9	38.7

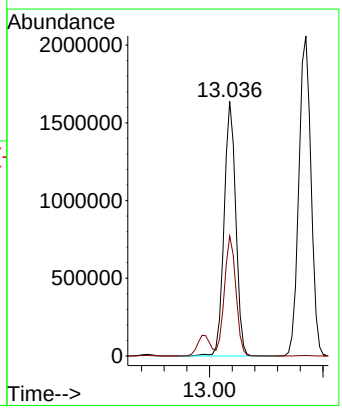


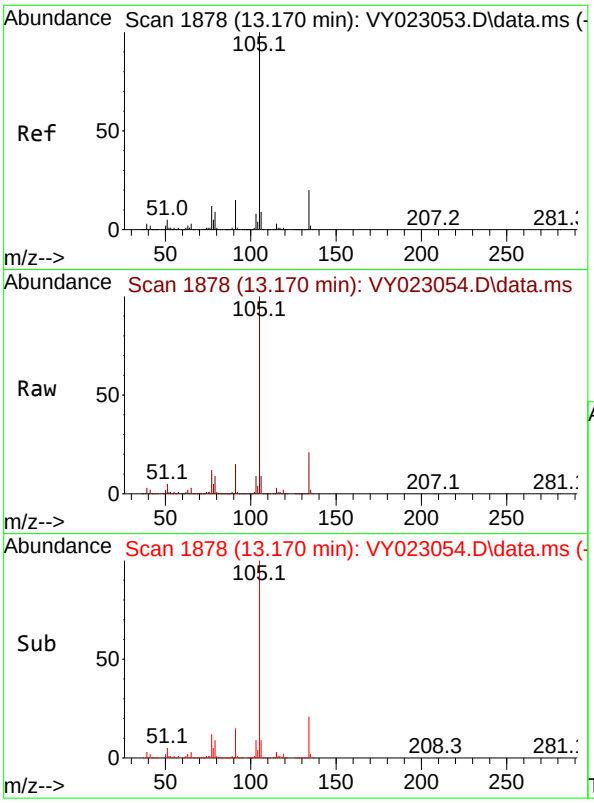


#84
1,2,4-Trimethylbenzene
Concen: 101.946 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 2339432

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0



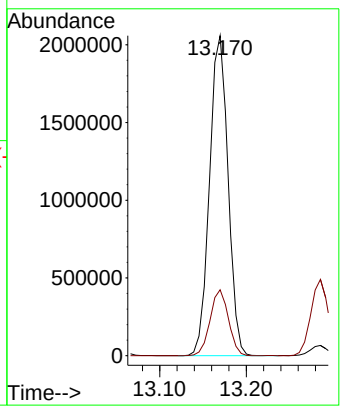


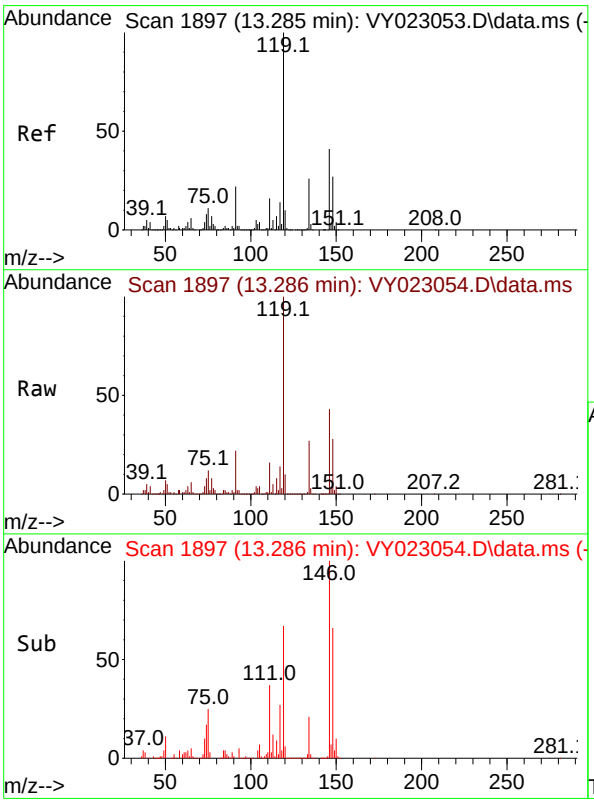
#85
sec-Butylbenzene
Concen: 99.932 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 3056373

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

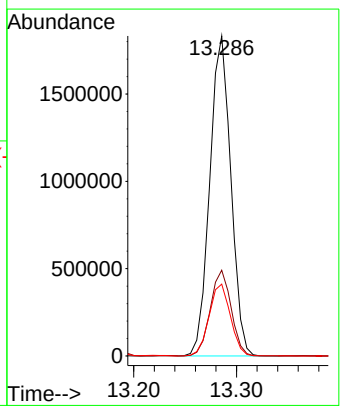


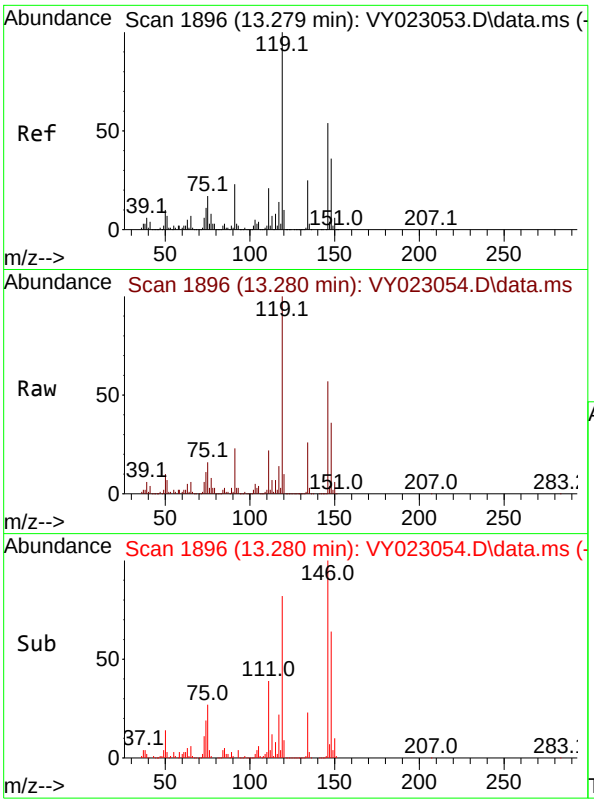


#86
p-Isopropyltoluene
Concen: 102.846 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:119 Resp: 2610936

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	22.7	11.3	33.8



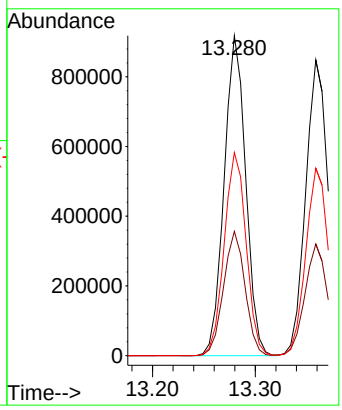


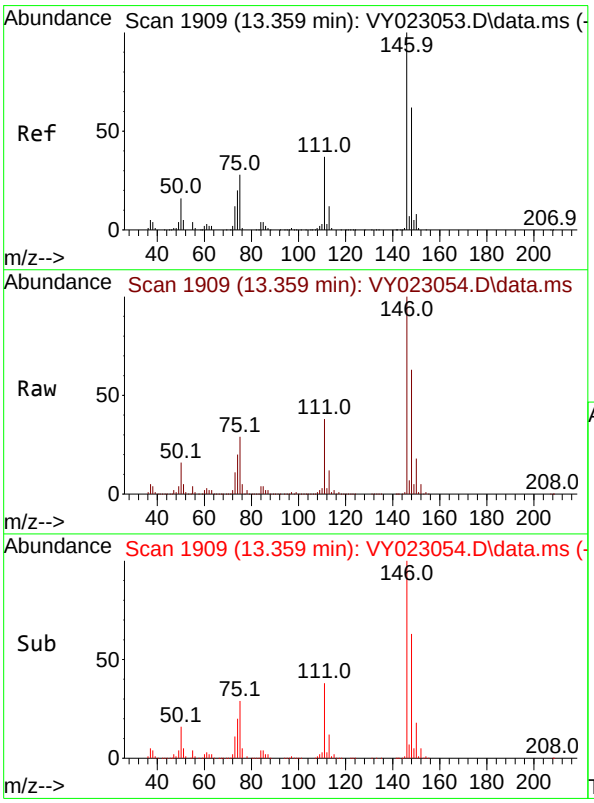
#87
1,3-Dichlorobenzene
Concen: 99.748 ug/l
RT: 13.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 1338547

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	64.5	32.5	97.5

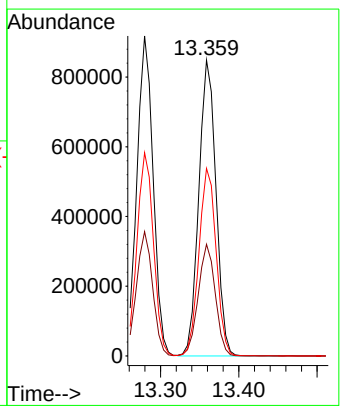


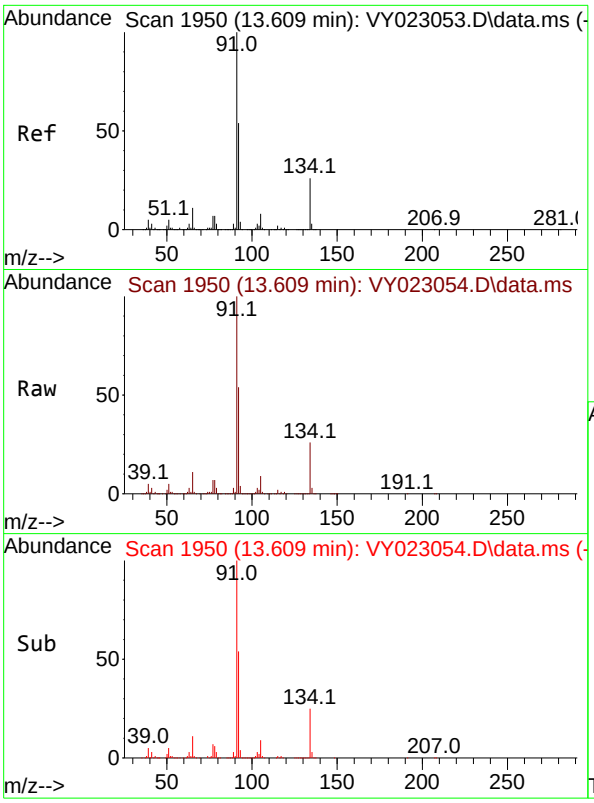


#88
1,4-Dichlorobenzene
Concen: 96.970 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:146 Resp: 1290840

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	63.7	31.6	94.7



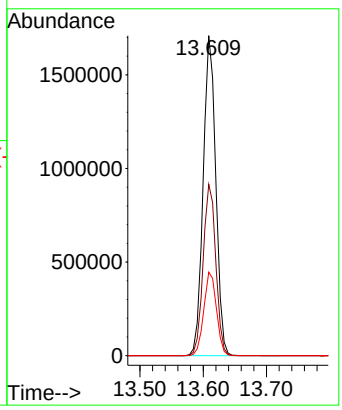


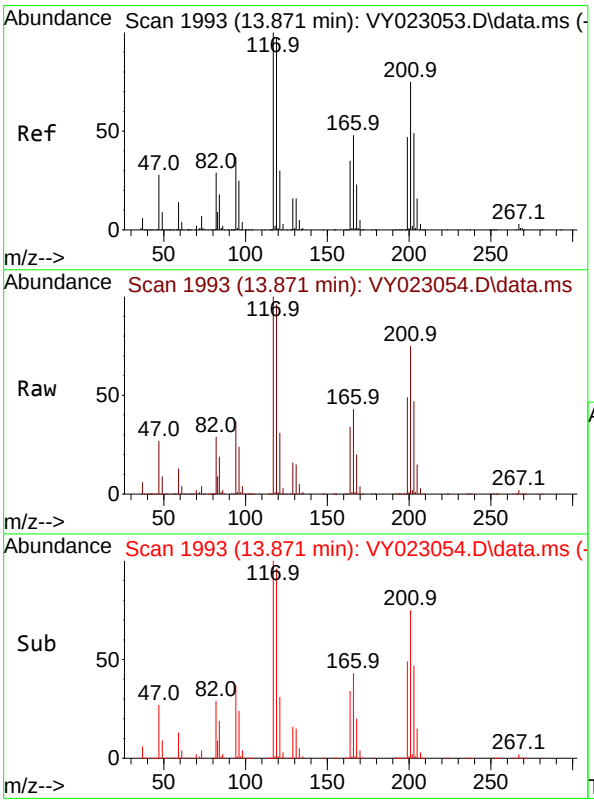
#89
n-Butylbenzene
Concen: 101.675 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 2370706

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.7
134	26.4	13.2	39.5

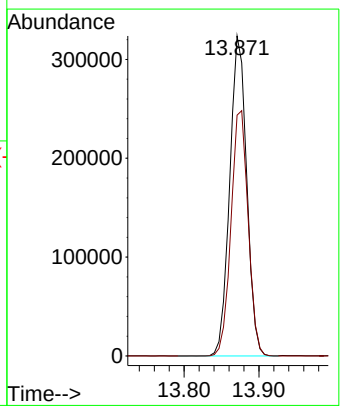


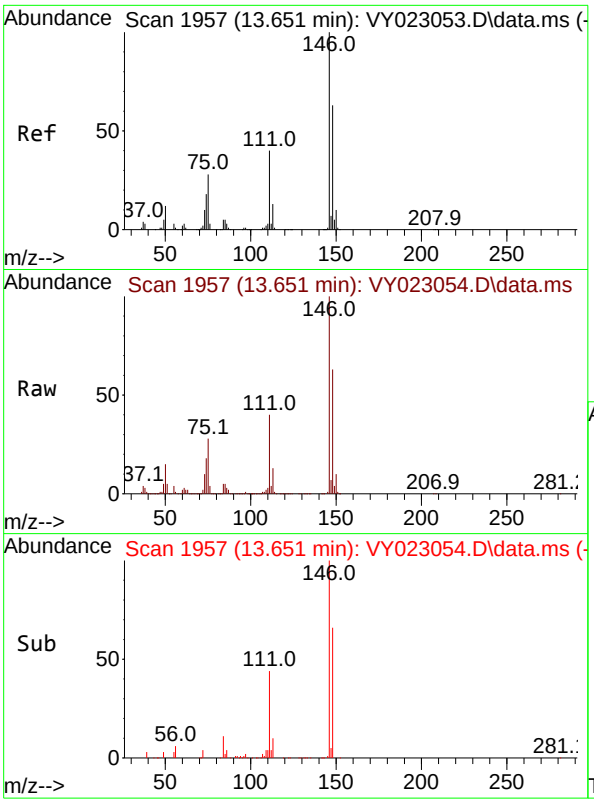


#90
Hexachloroethane
Concen: 98.308 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:117 Resp: 510900

Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.4	115.1



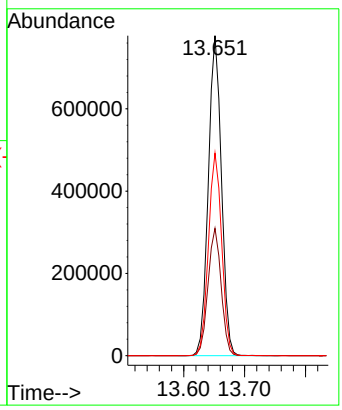


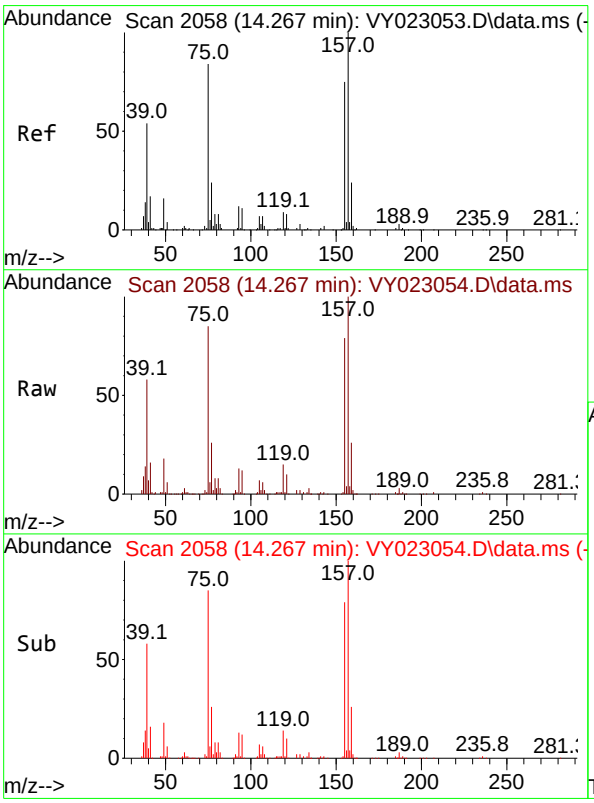
#91
1,2-Dichlorobenzene
Concen: 98.749 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 1162152

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.9	32.2	96.6

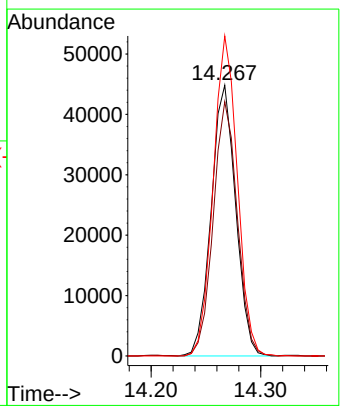


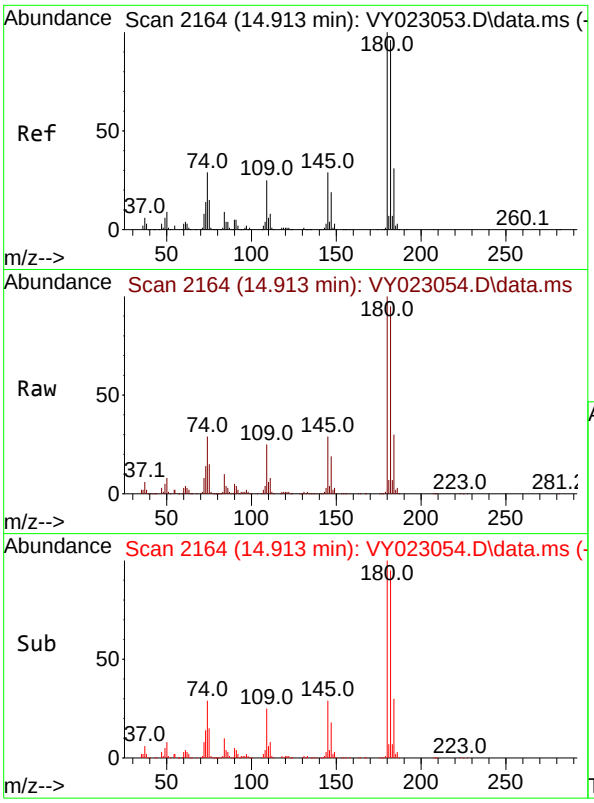


#92
1,2-Dibromo-3-Chloropropane
Concen: 91.965 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 69736

Ion	Ratio	Lower	Upper
75	100		
155	92.1	43.9	131.6
157	116.2	57.2	171.6



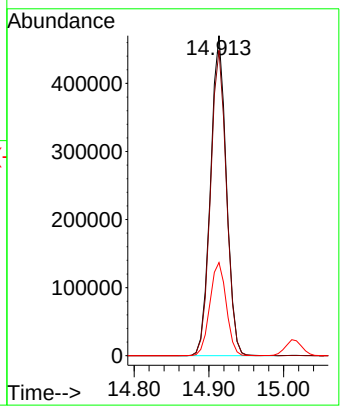


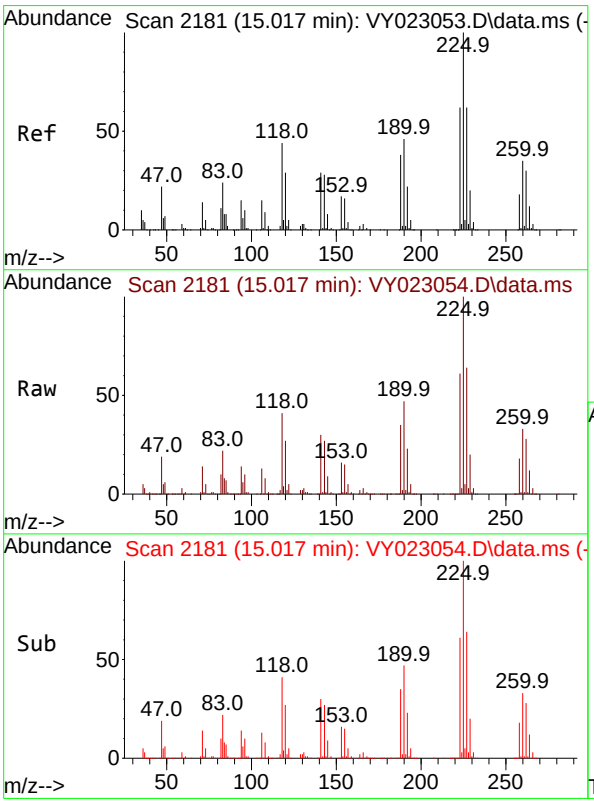
#93
1,2,4-Trichlorobenzene
Concen: 99.460 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 692201

Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.8	140.4
145	30.1	14.4	43.4

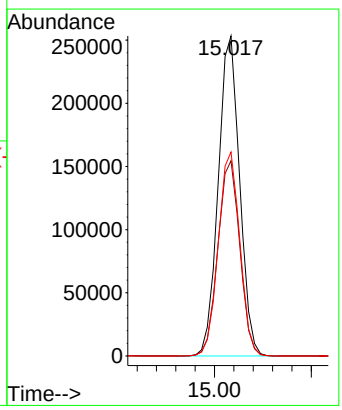


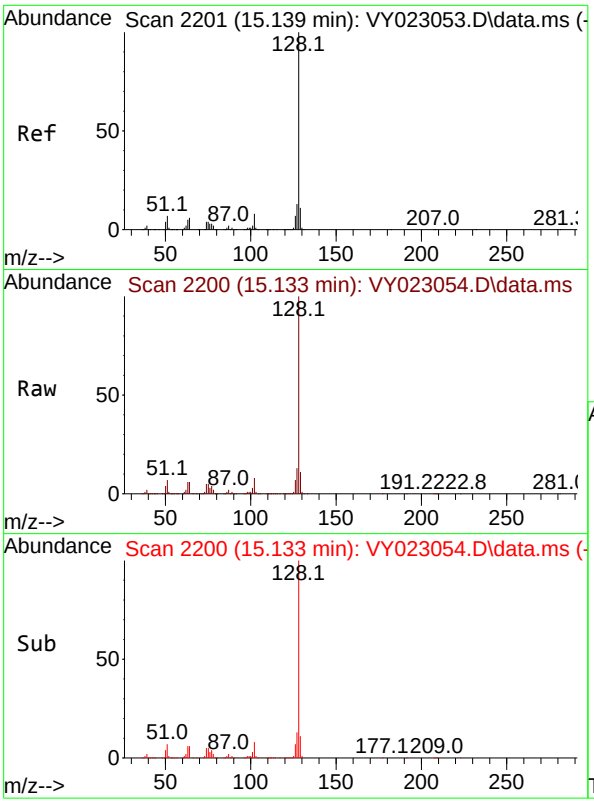


#94
Hexachlorobutadiene
Concen: 94.803 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:225 Resp: 387707

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	64.2	31.5	94.5



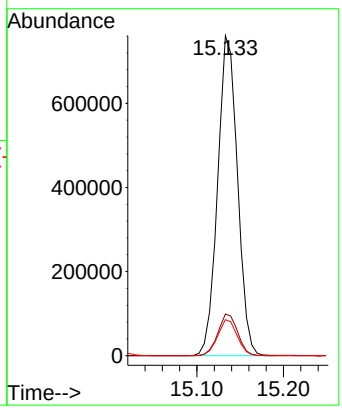


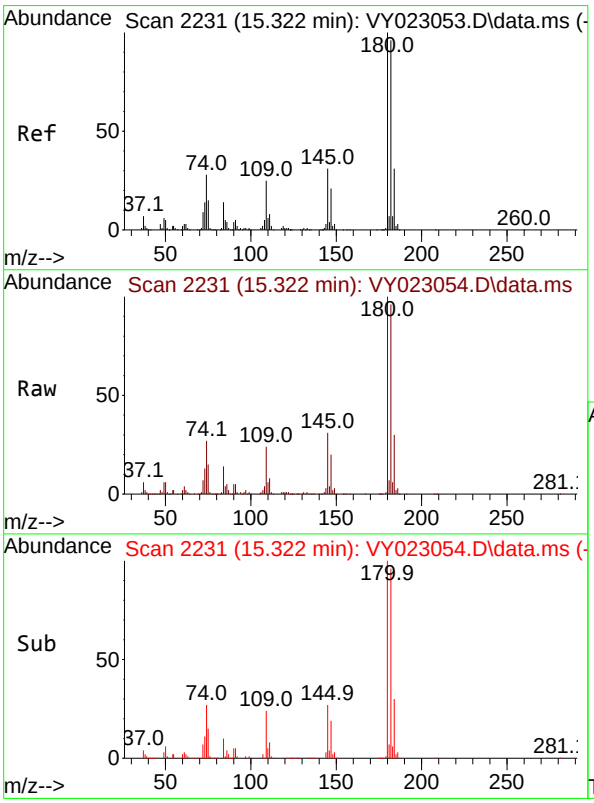
#95
Naphthalene
Concen: 102.147 ug/l
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1212227

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	9.0	13.4

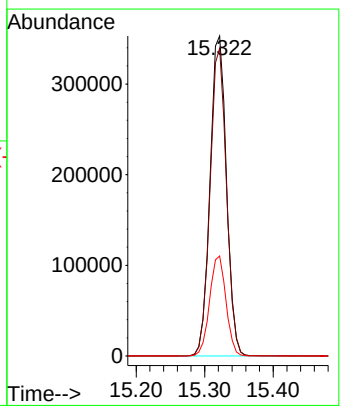




#96
1,2,3-Trichlorobenzene
Concen: 98.046 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:180 Resp: 587990

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	538712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	844092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	756365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	389949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	746936	145.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.960%#			
35) Dibromofluoromethane	7.628	113	771944	152.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.680%#			
50) Toluene-d8	10.103	98	3003834	152.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 304.480%#			
62) 4-Bromofluorobenzene	12.402	95	998318	157.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 314.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	571723	130.017	ug/l	98
3) Chloromethane	2.062	50	991215	139.173	ug/l	99
4) Vinyl Chloride	2.202	62	1238646	140.692	ug/l	99
5) Bromomethane	2.580	94	938717	142.770	ug/l	100
6) Chloroethane	2.720	64	834547	142.581	ug/l	100
7) Trichlorofluoromethane	3.043	101	1574213	147.051	ug/l	99
8) Diethyl Ether	3.446	74	426242	150.496	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.806	101	763053	144.479	ug/l	99
10) Methyl Iodide	3.995	142	909378	159.567	ug/l	100
11) Tert butyl alcohol	4.860	59	265243	753.967	ug/l	100
12) 1,1-Dichloroethene	3.781	96	768098	147.960	ug/l	95
13) Acrolein	3.647	56	374594	727.070	ug/l	98
14) Allyl chloride	4.372	41	1151194	150.707	ug/l	99
15) Acrylonitrile	5.049	53	883293	767.115	ug/l	99
16) Acetone	3.866	43	777658	699.133	ug/l	100
17) Carbon Disulfide	4.098	76	2426564	143.357	ug/l	99
18) Methyl Acetate	4.379	43	500151	151.100	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2113920	157.144	ug/l	99
20) Methylene Chloride	4.604	84	846955	152.064	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	889517	152.474	ug/l	97
22) Diisopropyl ether	6.012	45	2594499	156.307	ug/l	99
23) Vinyl Acetate	5.951	43	7267824	791.851	ug/l	99
24) 1,1-Dichloroethane	5.909	63	1527663	150.534	ug/l	99
25) 2-Butanone	6.890	43	1144112	756.289	ug/l	97
26) 2,2-Dichloropropane	6.878	77	1293043	147.663	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	1047717	155.348	ug/l	98
28) Bromochloromethane	7.238	49	599841	148.984	ug/l	98
29) Tetrahydrofuran	7.256	42	734408	783.186	ug/l	99
30) Chloroform	7.415	83	1585686	151.505	ug/l	95
31) Cyclohexane	7.695	56	1354021	141.586	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1396470	150.372	ug/l	100
36) 1,1-Dichloropropene	7.829	75	1132306	150.850	ug/l	99
37) Ethyl Acetate	6.982	43	494371	156.788	ug/l	99
38) Carbon Tetrachloride	7.811	117	1226800	150.478	ug/l	96
39) Methylcyclohexane	9.103	83	1556004	157.417	ug/l	98
40) Benzene	8.073	78	3533174	152.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	261721	143.669	ug/l		90
42) 1,2-Dichloroethane	8.152	62	909030	151.078	ug/l		100
43) Isopropyl Acetate	8.195	43	1029854	161.596	ug/l		98
44) Trichloroethene	8.860	130	909510	152.126	ug/l		94
45) 1,2-Dichloropropane	9.134	63	822035	154.426	ug/l		99
46) Dibromomethane	9.225	93	480162	157.156	ug/l		100
47) Bromodichloromethane	9.420	83	1217658	154.884	ug/l		99
48) Methyl methacrylate	9.213	41	497527	163.144	ug/l		97
49) 1,4-Dioxane	9.225	88	117513	3280.235	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	2677587	814.509	ug/l		99
52) Toluene	10.164	92	2332797	158.762	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1162952	163.355	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	1366797	162.359	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	642236	157.090	ug/l		98
56) Ethyl methacrylate	10.432	69	908662	173.693	ug/l		100
57) 1,3-Dichloropropane	10.713	76	1087297	156.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	2167815	878.488	ug/l		99
59) 2-Hexanone	10.756	43	1848093	825.606	ug/l		100
60) Dibromochloromethane	10.908	129	860181	159.454	ug/l		99
61) 1,2-Dibromoethane	11.012	107	613069	159.546	ug/l		99
64) Tetrachloroethene	10.640	164	990664	146.682	ug/l		98
65) Chlorobenzene	11.438	112	2520874	154.514	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	871003	157.304	ug/l		99
67) Ethyl Benzene	11.511	91	4438665	158.093	ug/l		98
68) m/p-Xylenes	11.621	106	3511726	320.251	ug/l		96
69) o-Xylene	11.950	106	1683720	163.941	ug/l		100
70) Styrene	11.963	104	2846443	169.475	ug/l		99
71) Bromoform	12.127	173	523541	161.778	ug/l	#	98
73) Isopropylbenzene	12.249	105	4269945	155.145	ug/l		99
74) N-amyl acetate	12.066	43	982090	168.265	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	717524	152.686	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	950569	252.416	ug/l	#	100
77) Bromobenzene	12.523	156	1021449	155.568	ug/l		99
78) n-propylbenzene	12.591	91	5048012	154.058	ug/l		99
79) 2-Chlorotoluene	12.676	91	2878647	153.331	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	3469329	155.973	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	245958	158.203	ug/l		97
82) 4-Chlorotoluene	12.773	91	2981042	153.063	ug/l		99
83) tert-Butylbenzene	12.993	119	3161475	157.371	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	3501626	158.143	ug/l		100
85) sec-Butylbenzene	13.170	105	4541629	153.897	ug/l		99
86) p-Isopropyltoluene	13.286	119	3918969	159.987	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	2049060	158.251	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1941716	151.172	ug/l		98
89) n-Butylbenzene	13.609	91	3578272	159.048	ug/l		100
90) Hexachloroethane	13.871	117	772603	154.073	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	1754100	154.469	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	114505	156.498	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	1117401	166.397	ug/l		98
94) Hexachlorobutadiene	15.017	225	589351	149.352	ug/l		99
95) Naphthalene	15.139	128	2094983	182.954	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	975366	168.557	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

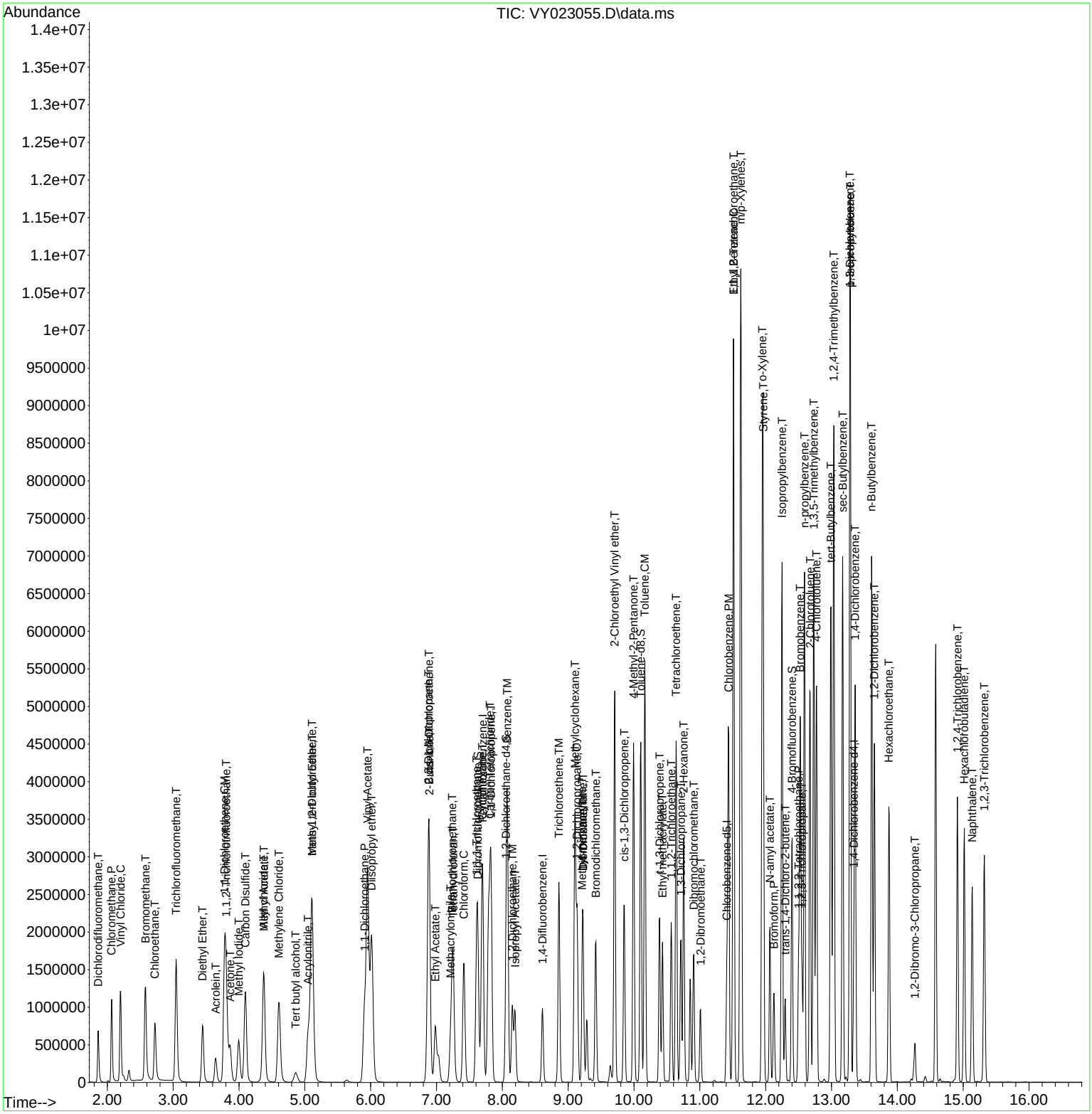
(#) = qualifier out of range (m) = manual integration (+) = signals summed

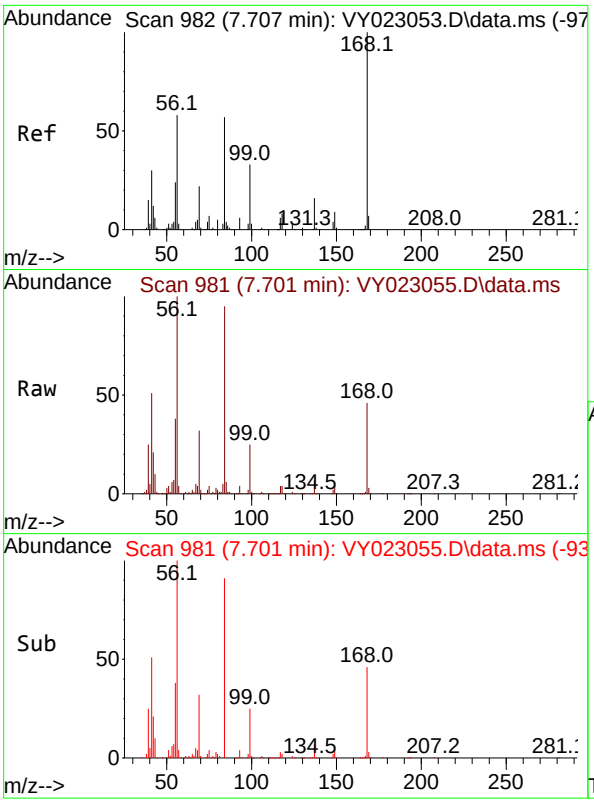
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration



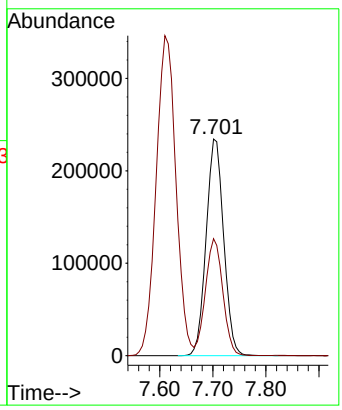


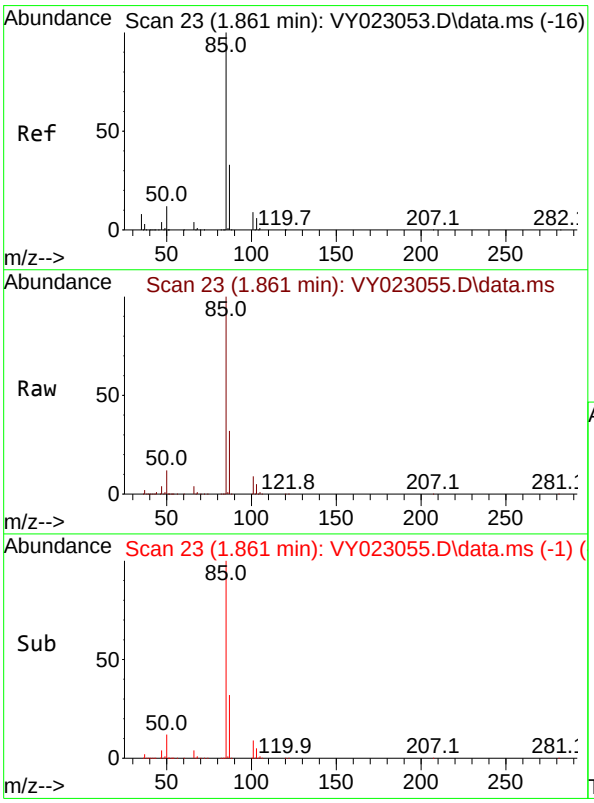
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 538712

Ion	Ratio	Lower	Upper
168	100		
99	53.8	42.8	64.2

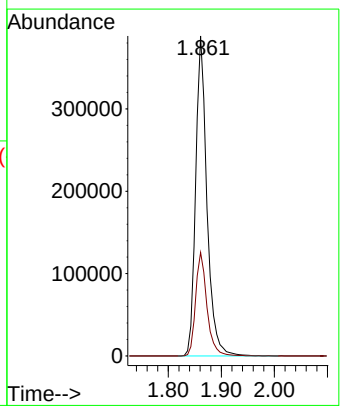


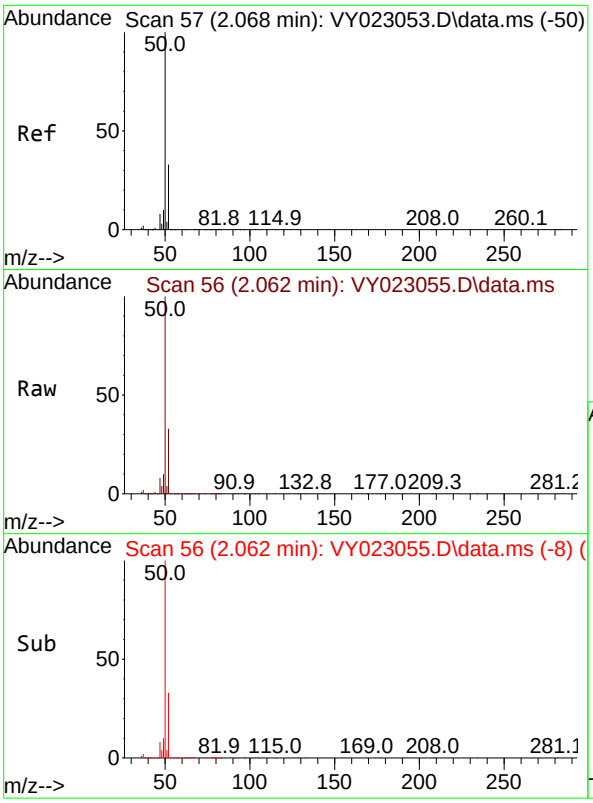


#2
Dichlorodifluoromethane
Concen: 130.017 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 85 Resp: 571723

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8



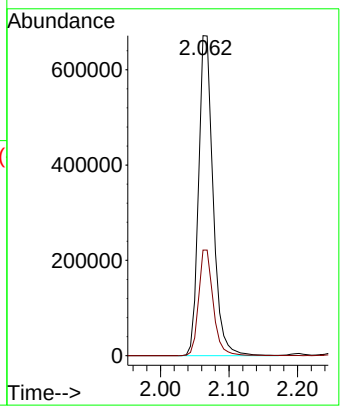


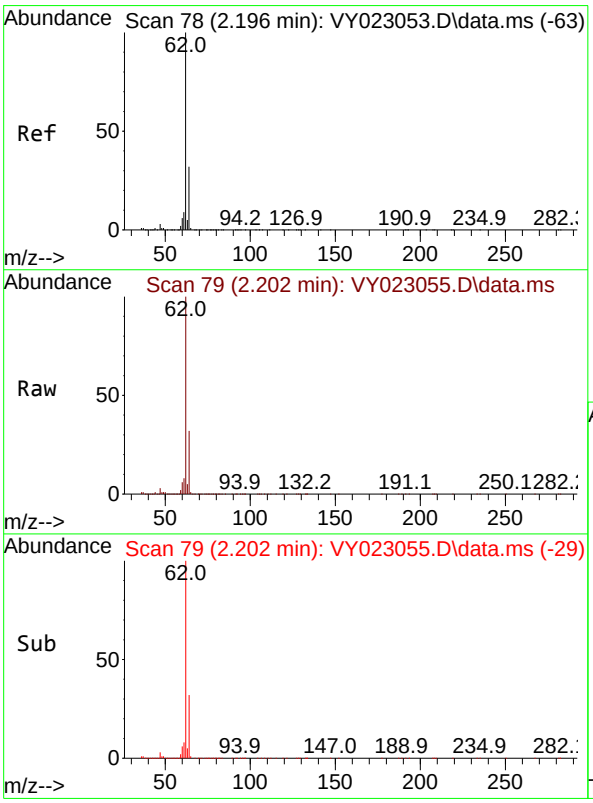
#3
Chloromethane
Concen: 139.173 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 991215

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.7	40.1

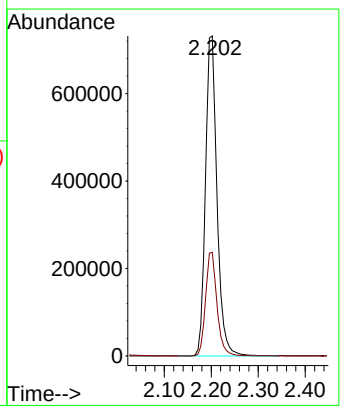


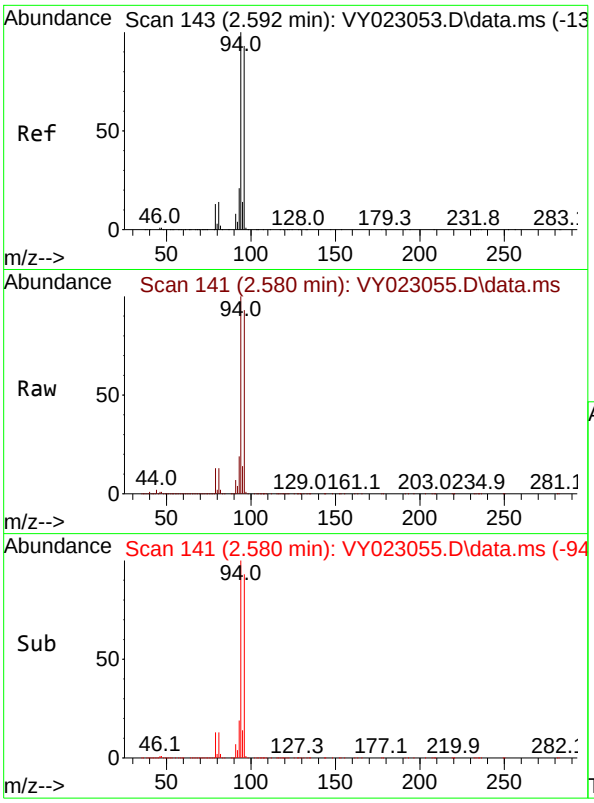


#4
Vinyl Chloride
Concen: 140.692 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 1238646

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.0



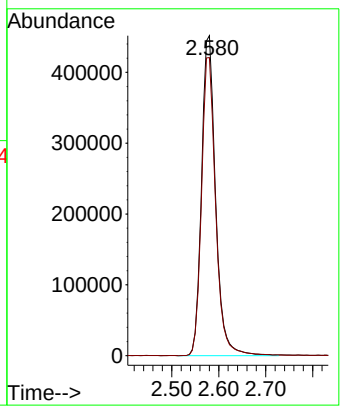


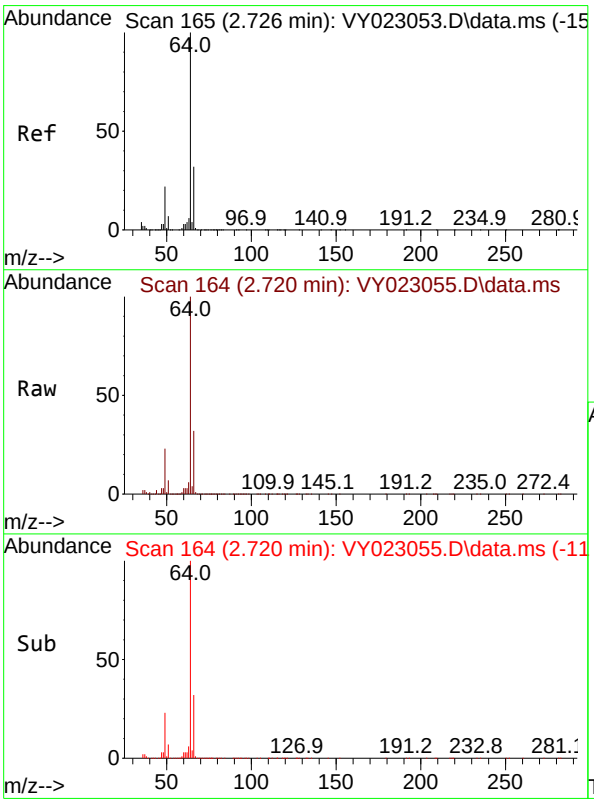
#5
Bromomethane
Concen: 142.770 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 938717

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	112.0

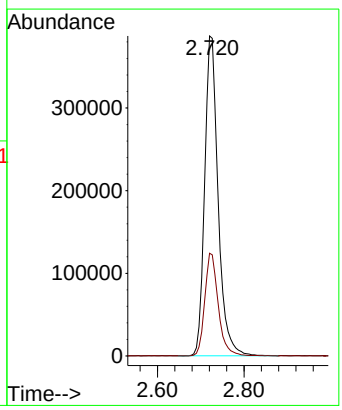


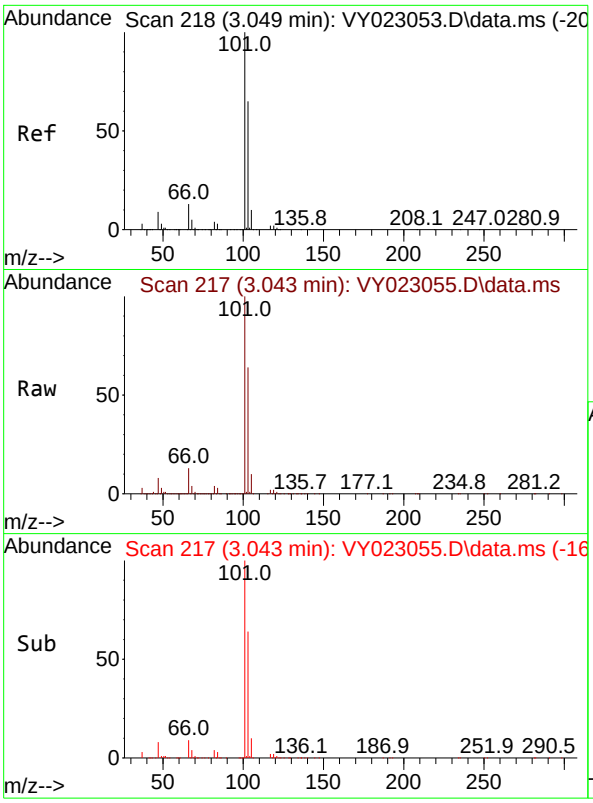


#6
Chloroethane
Concen: 142.581 ug/l
RT: 2.720 min Scan# 164
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 64 Resp: 834547

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.8	38.6



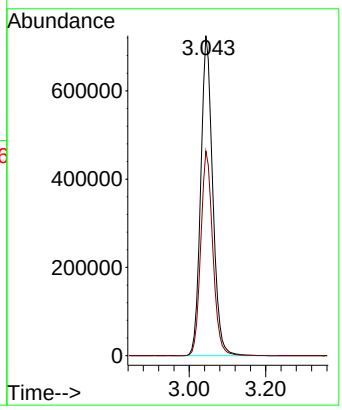


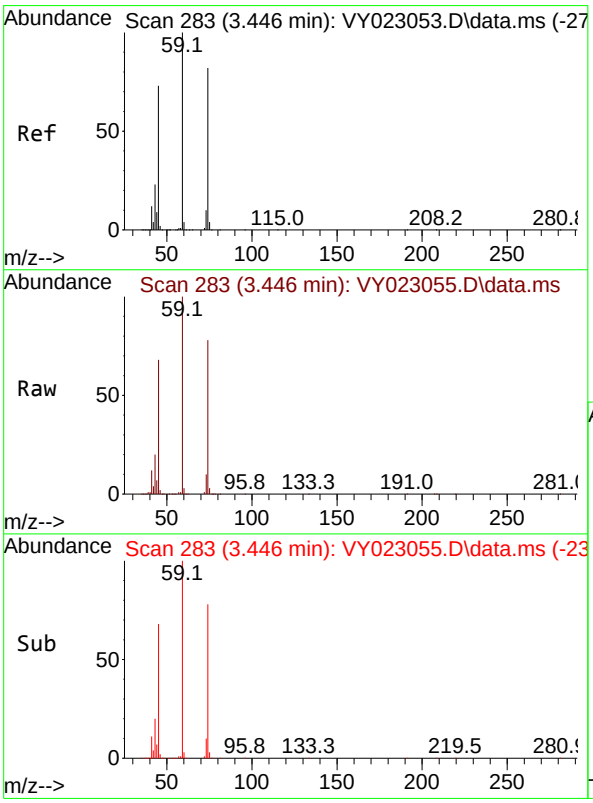
#7
Trichlorofluoromethane
Concen: 147.051 ug/l
RT: 3.043 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 1574213

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9

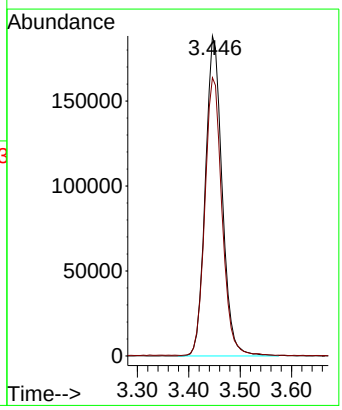


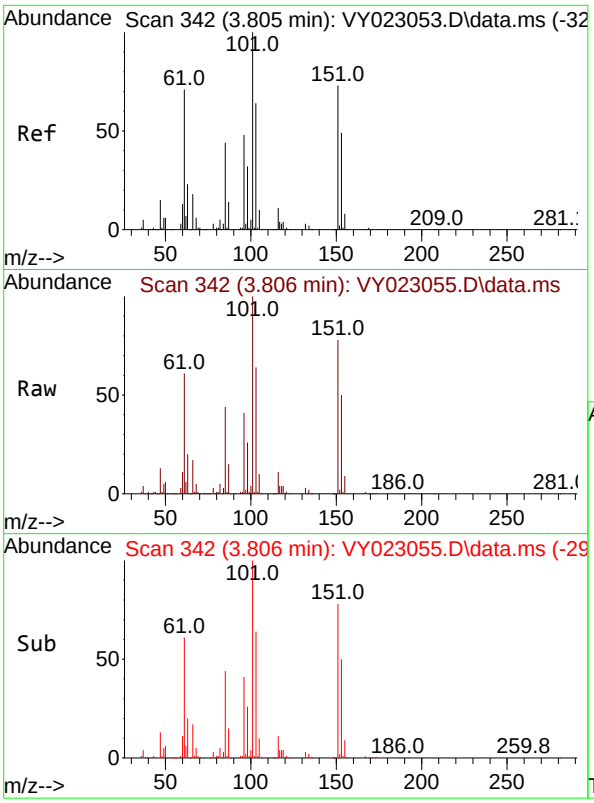


#8
Diethyl Ether
Concen: 150.496 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 74 Resp: 426242

Ion	Ratio	Lower	Upper
74	100		
45	88.9	44.4	133.2



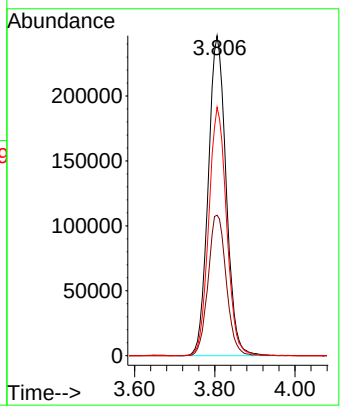


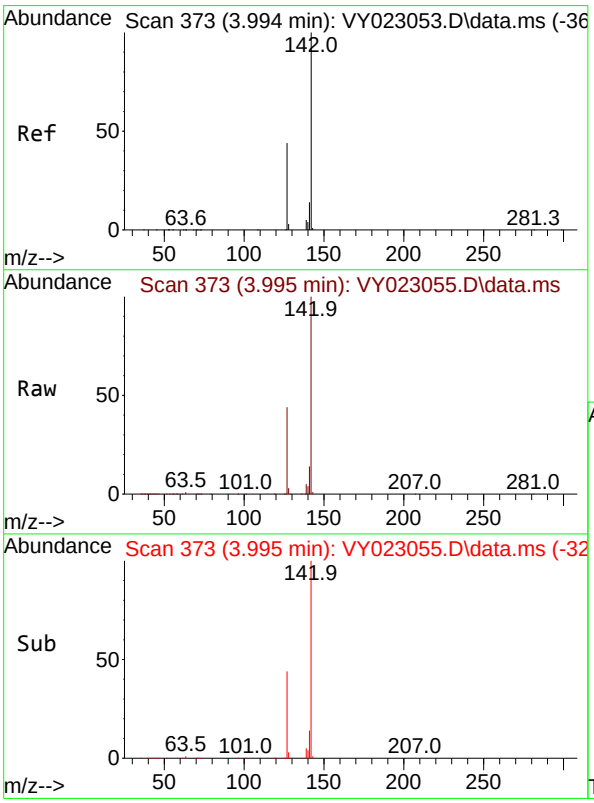
#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.479 ug/l
RT: 3.806 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 763053

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.3	54.5
151	77.4	61.5	92.3

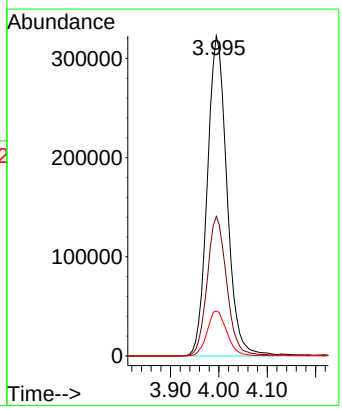


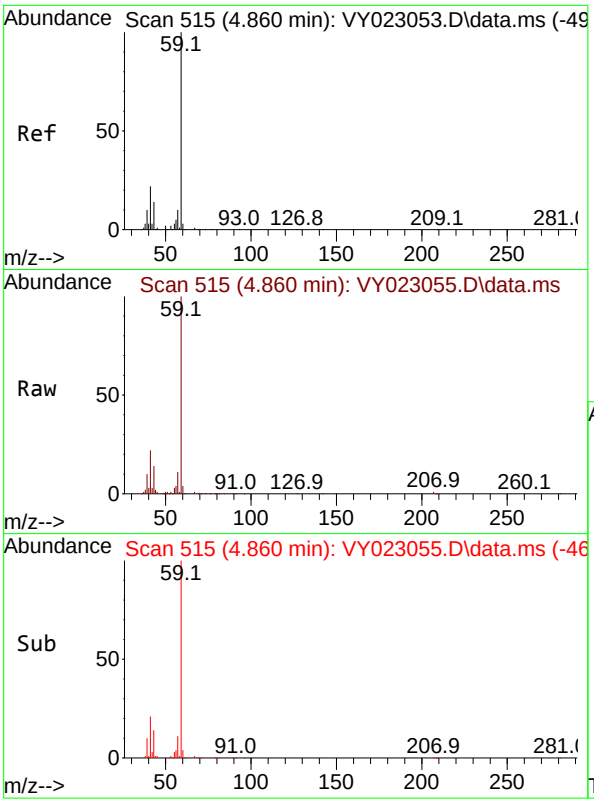


#10
Methyl Iodide
Concen: 159.567 ug/l
RT: 3.995 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:142 Resp: 909378

Ion	Ratio	Lower	Upper
142	100		
127	43.7	34.9	52.3
141	14.2	11.3	16.9



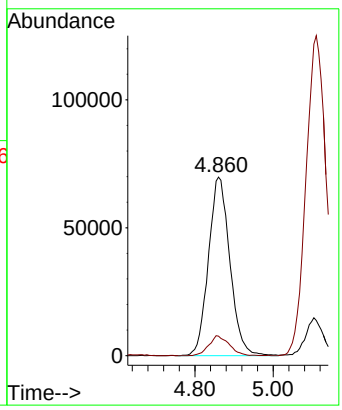


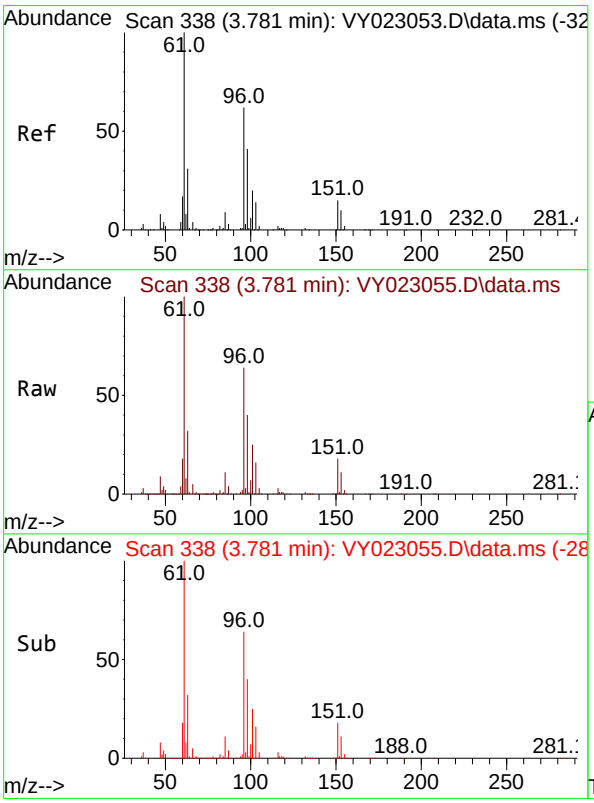
#11
Tert butyl alcohol
Concen: 753.967 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 265243

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

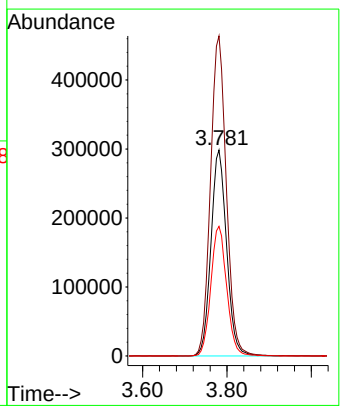


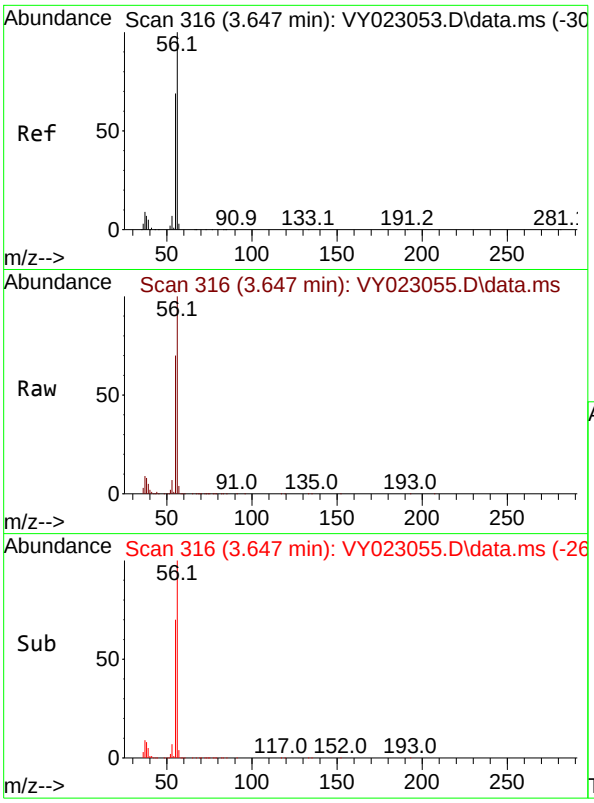


#12
1,1-Dichloroethene
Concen: 147.960 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 96 Resp: 768098

Ion	Ratio	Lower	Upper
96	100		
61	155.4	129.4	194.2
98	62.9	52.8	79.2



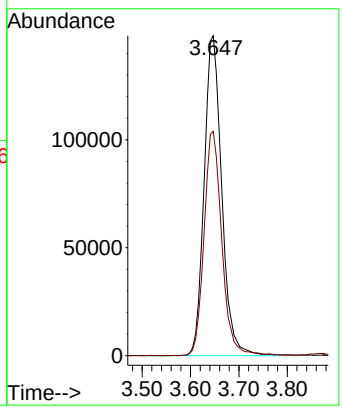


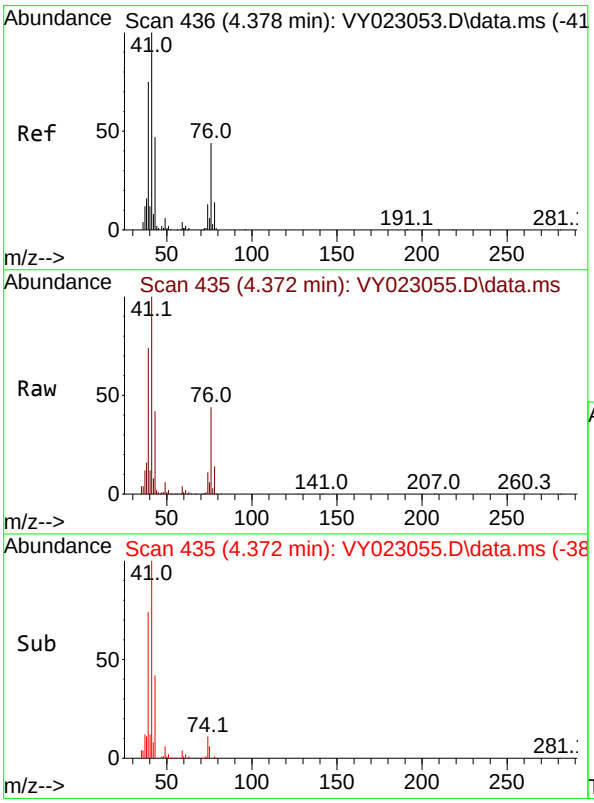
#13
Acrolein
Concen: 727.070 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 374594

Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.2	82.8

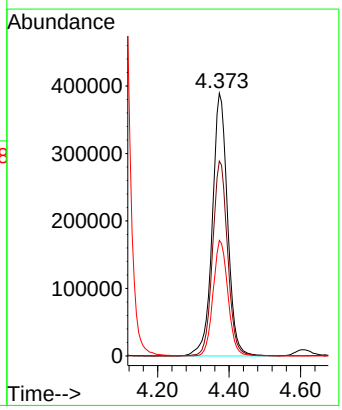


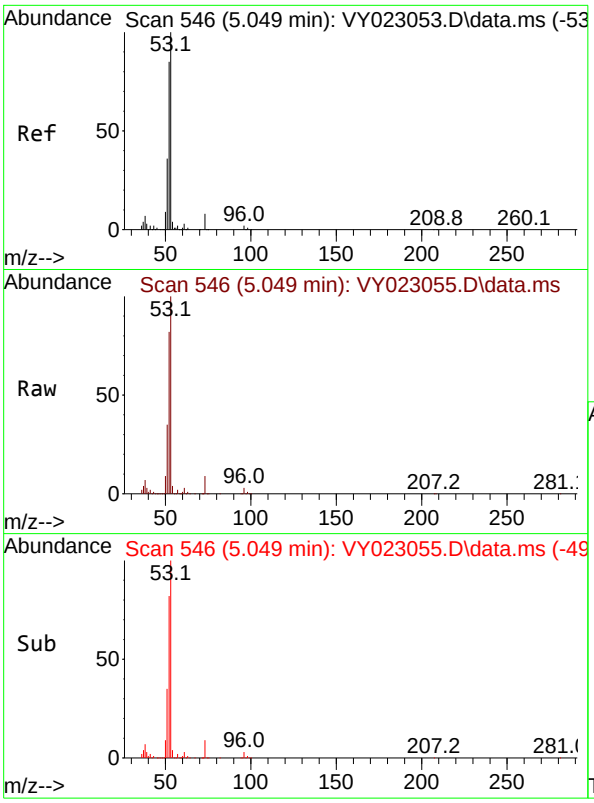


#14
Allyl chloride
Concen: 150.707 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 1151194

Ion	Ratio	Lower	Upper
41	100		
39	73.2	59.8	89.6
76	42.6	33.7	50.5



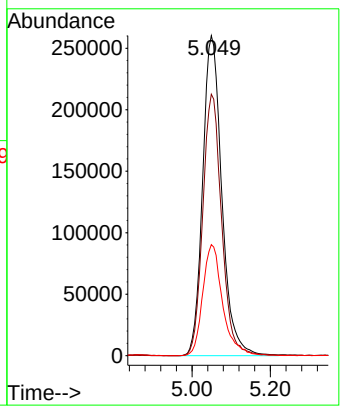


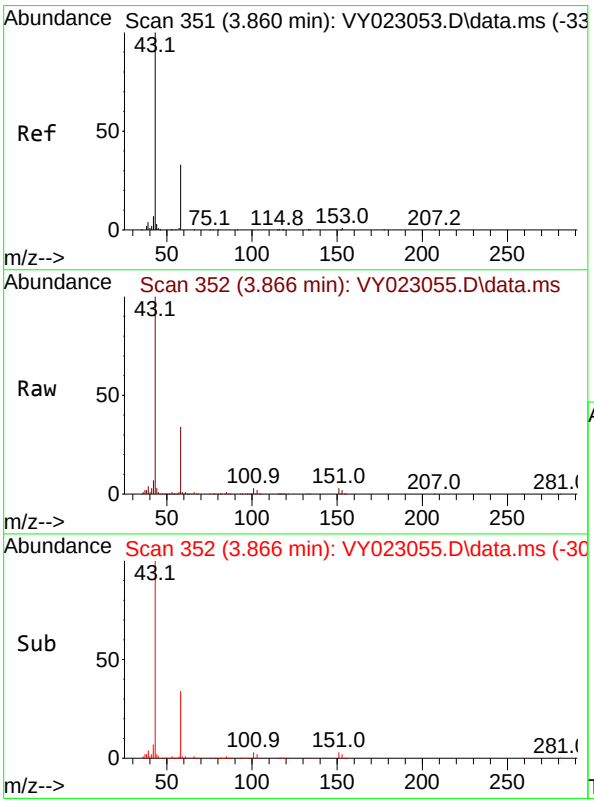
#15
Acrylonitrile
Concen: 767.115 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 883293

Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.3	97.9
51	36.2	29.5	44.3

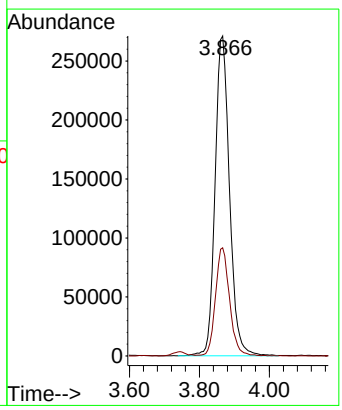


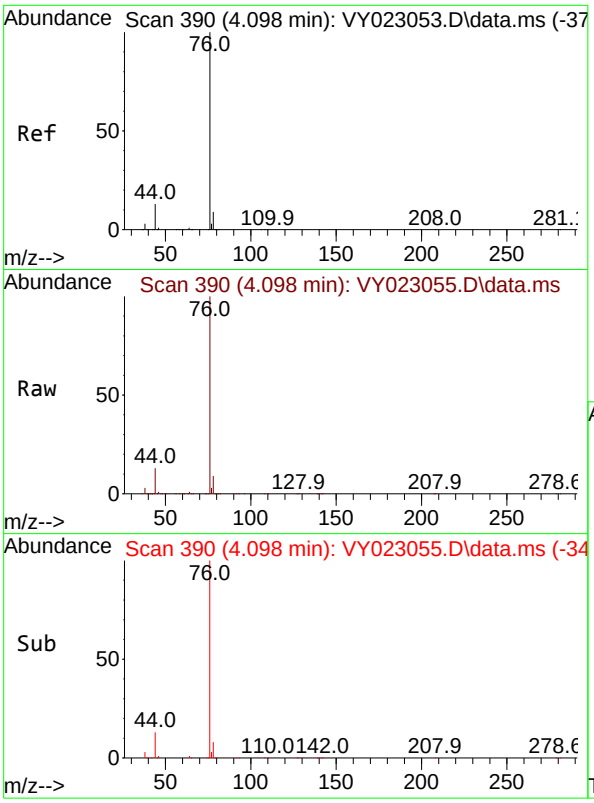


#16
Acetone
Concen: 699.133 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 777658

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.1	40.7



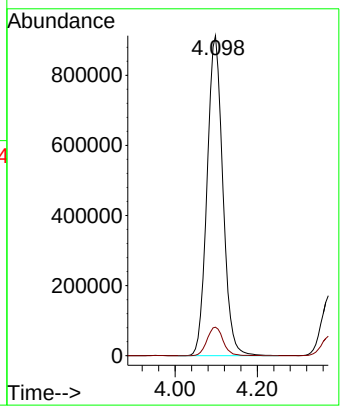


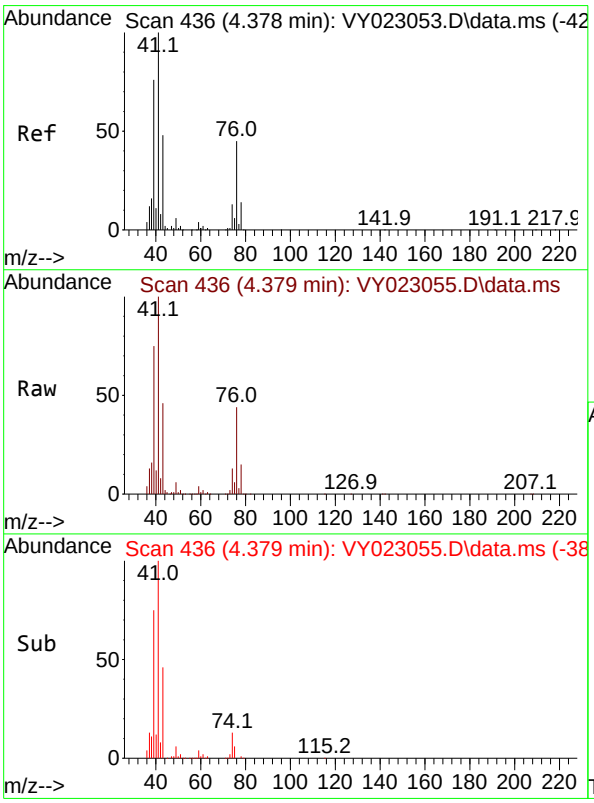
#17
Carbon Disulfide
Concen: 143.357 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 2426564

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

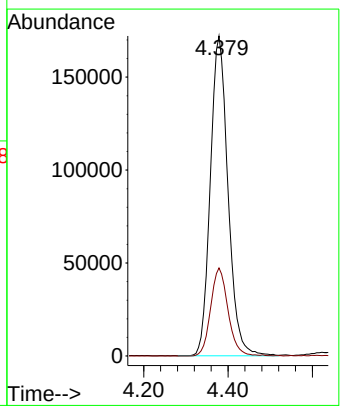


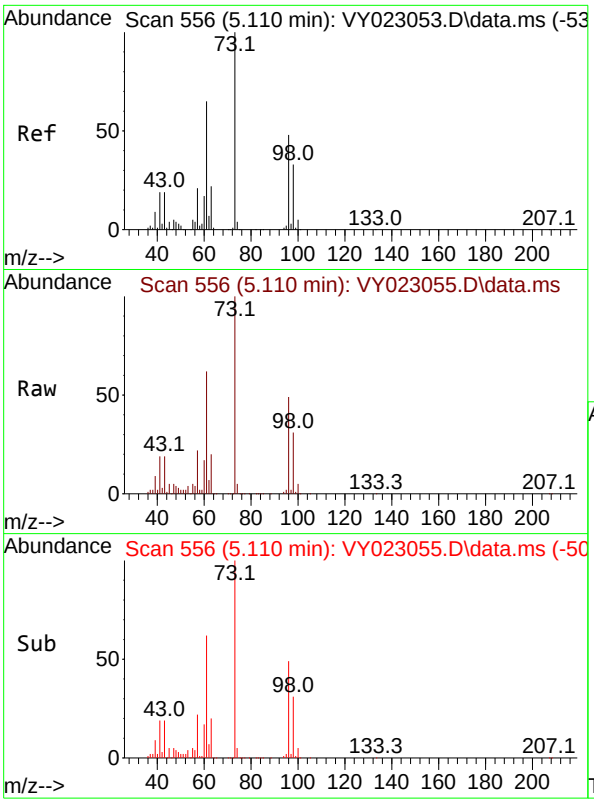


#18
Methyl Acetate
Concen: 151.100 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 500151

Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.2	31.8



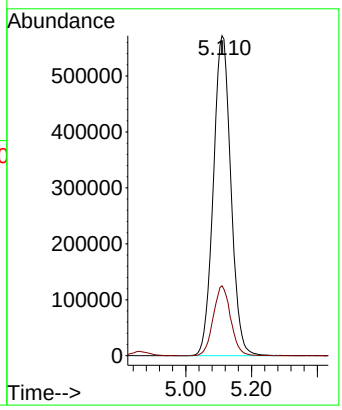


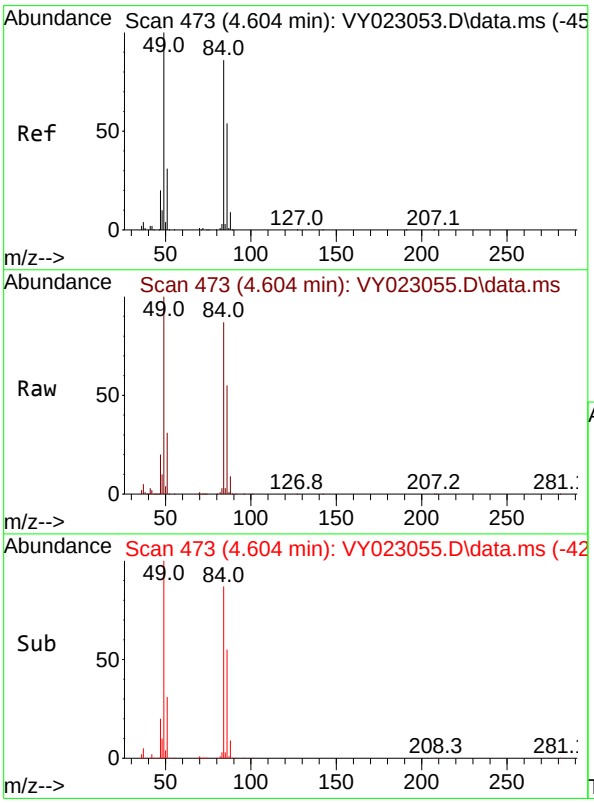
#19
Methyl tert-butyl Ether
Concen: 157.144 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 2113920

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7

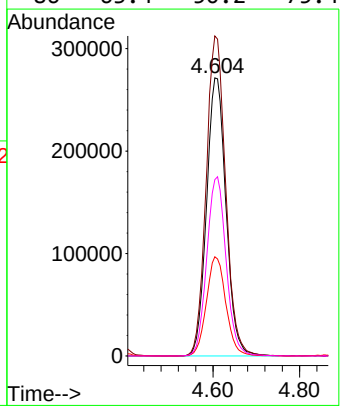


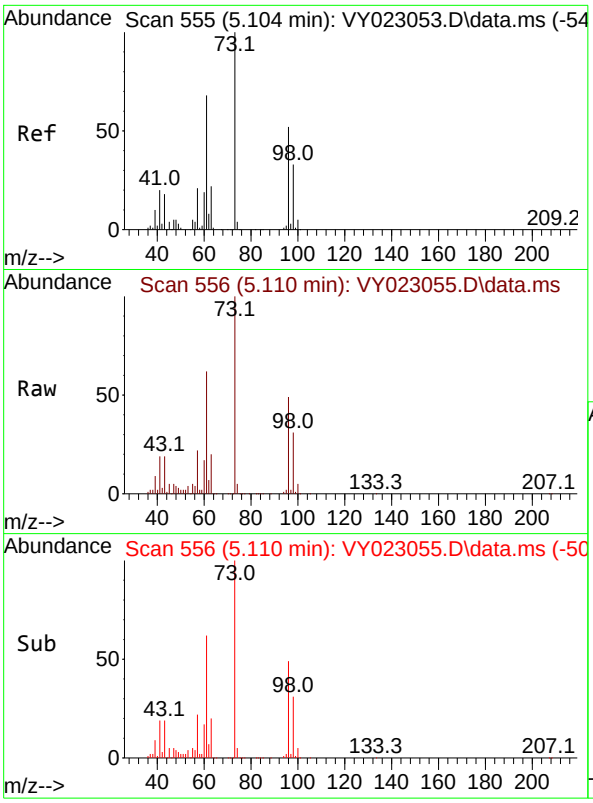


#20
Methylene Chloride
Concen: 152.064 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 84 Resp: 846955

Ion	Ratio	Lower	Upper
84	100		
49	115.1	93.0	139.6
51	35.7	29.0	43.4
86	63.4	50.2	75.4



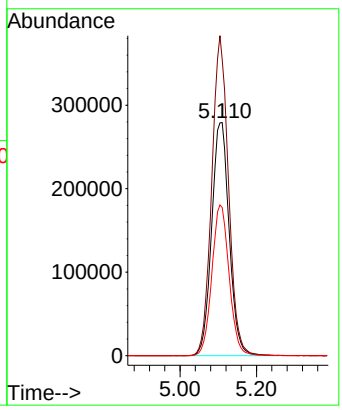


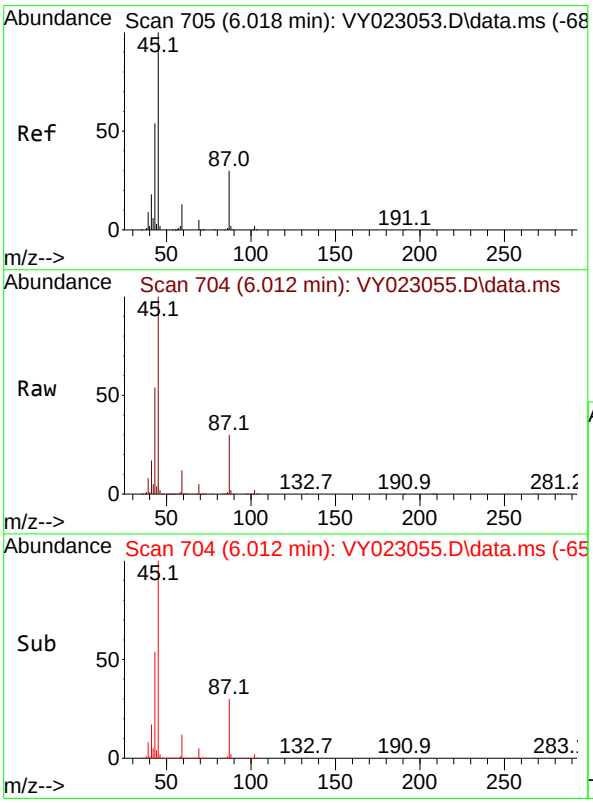
#21
trans-1,2-Dichloroethene
Concen: 152.474 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 889517

Ion	Ratio	Lower	Upper
96	100		
61	127.0	104.8	157.2
98	63.5	50.1	75.1

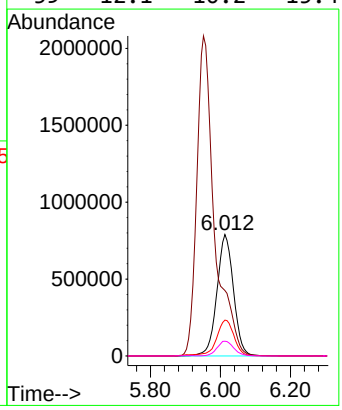


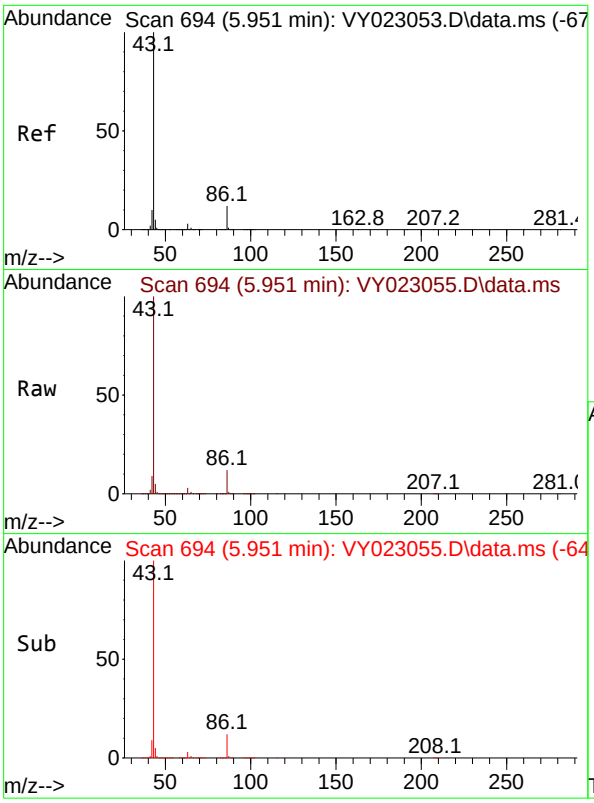


#22
Diisopropyl ether
Concen: 156.307 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 45 Resp: 2594499

Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.4	65.0
87	29.5	24.4	36.6
59	12.1	10.2	15.4



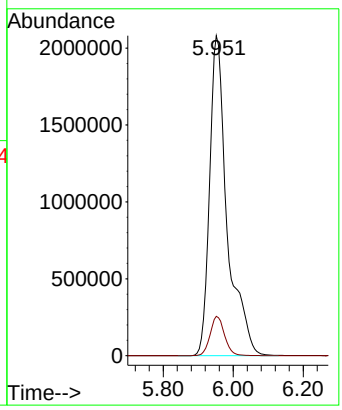


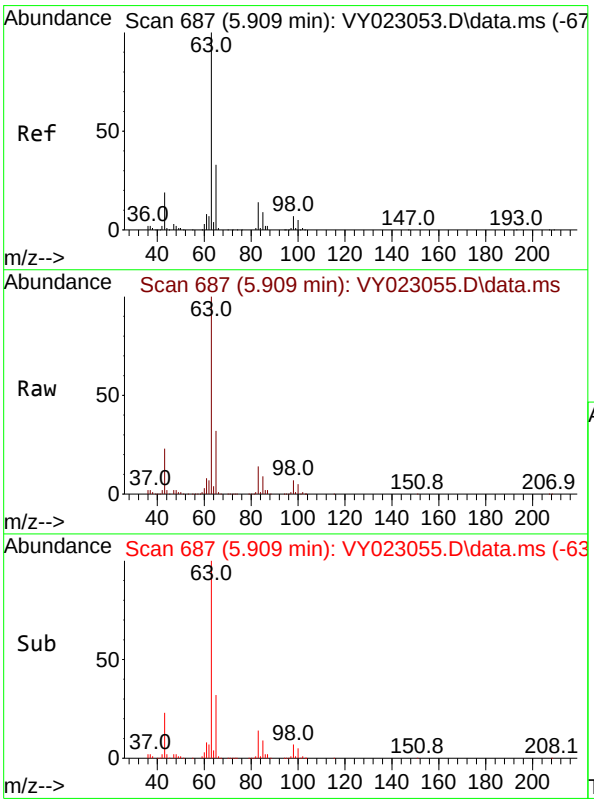
#23
Vinyl Acetate
Concen: 791.851 ug/l
RT: 5.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 7267824

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.6	14.4

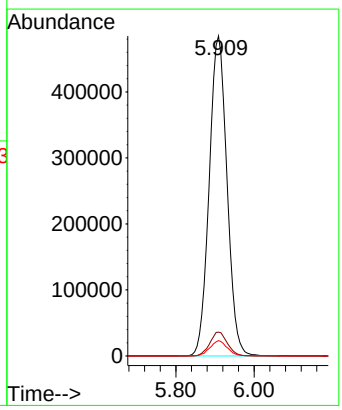


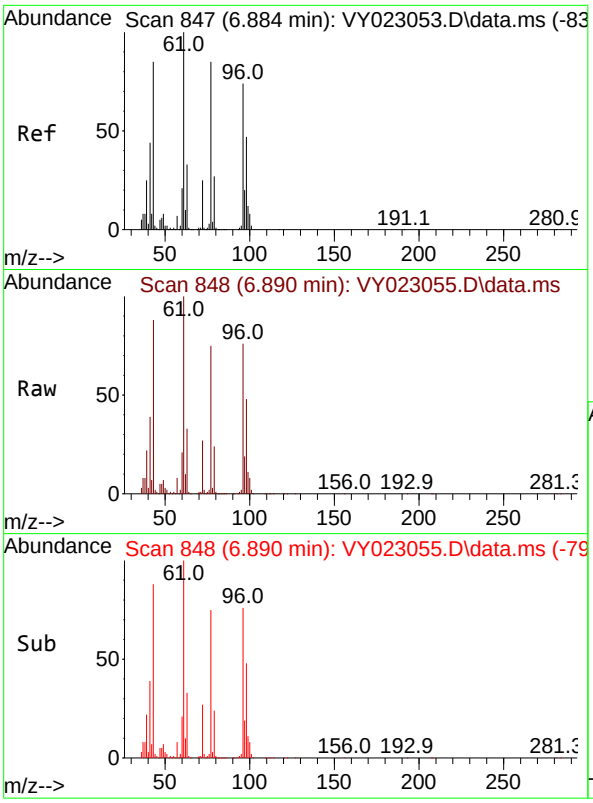


#24
1,1-Dichloroethane
Concen: 150.534 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 1527663

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.8	2.4	7.1



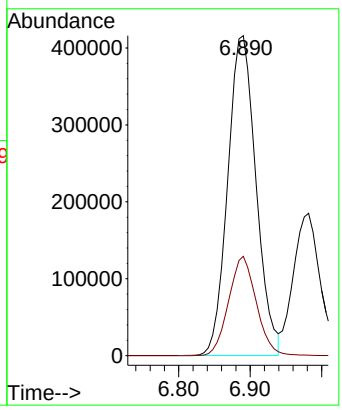


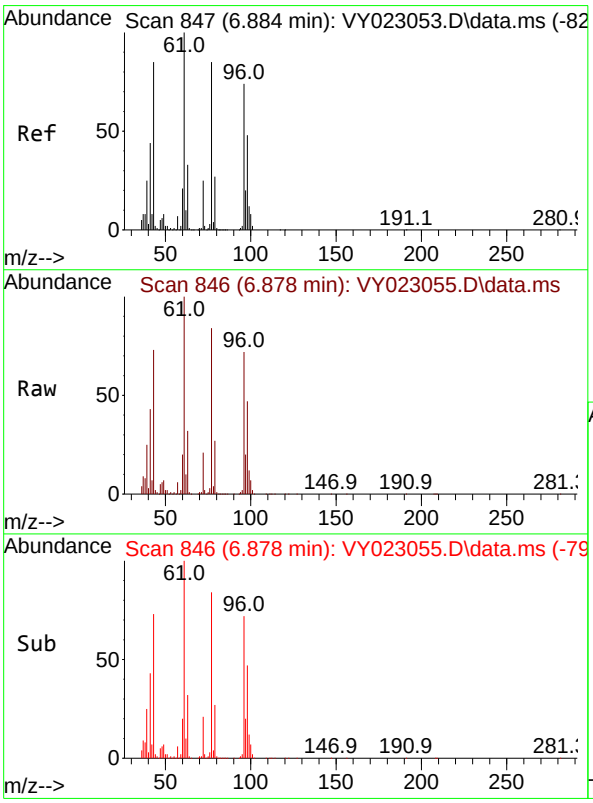
#25
2-Butanone
Concen: 756.289 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1144112

Ion	Ratio	Lower	Upper
43	100		
72	31.1	23.5	35.3

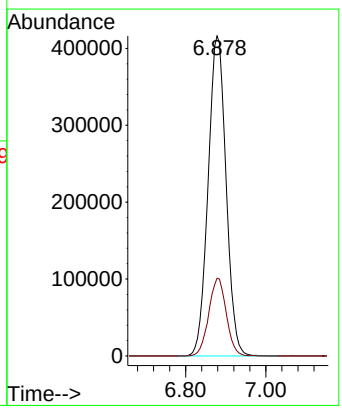


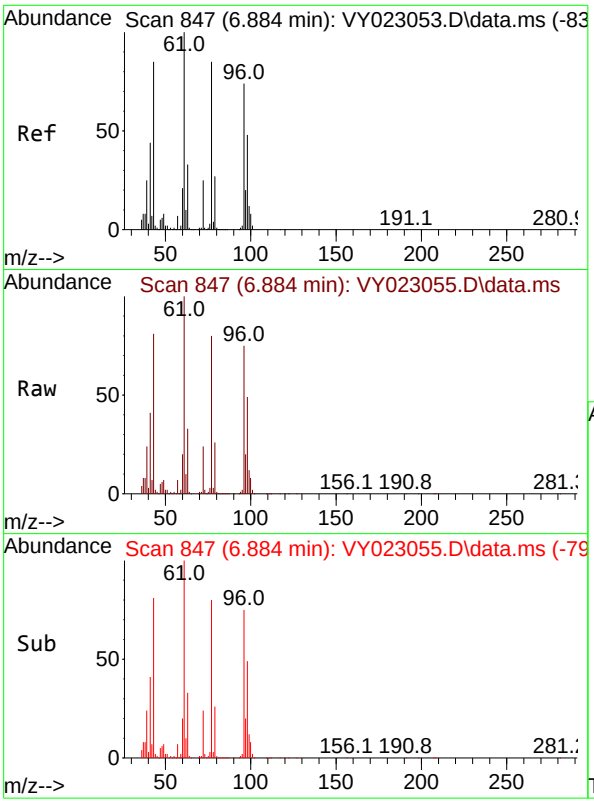


#26
2,2-Dichloropropane
Concen: 147.663 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 77 Resp: 1293043

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8



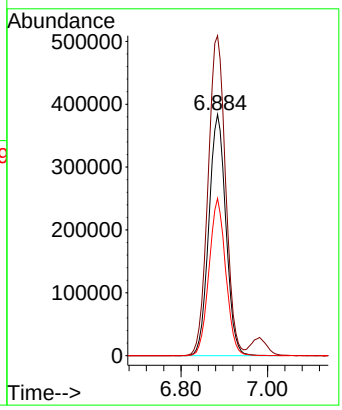


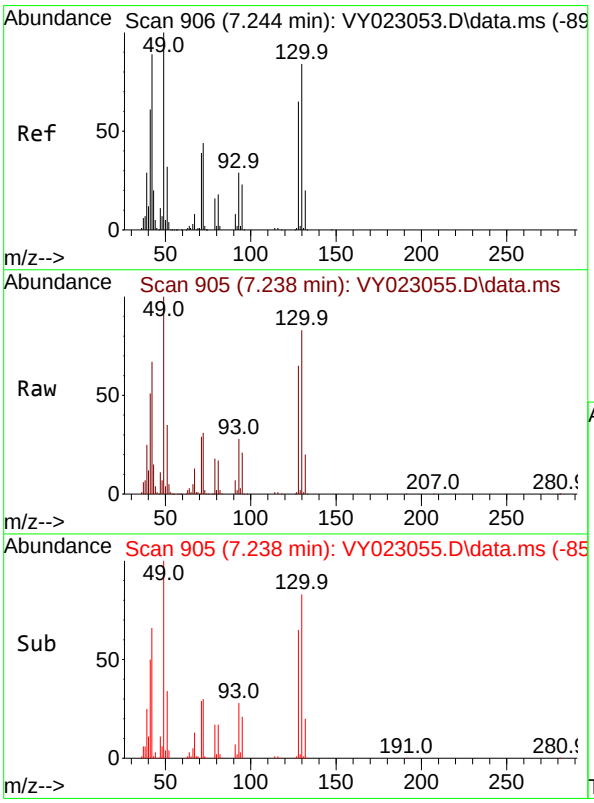
#27
cis-1,2-Dichloroethene
Concen: 155.348 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 1047717

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	278.6
98	64.1	0.0	130.4

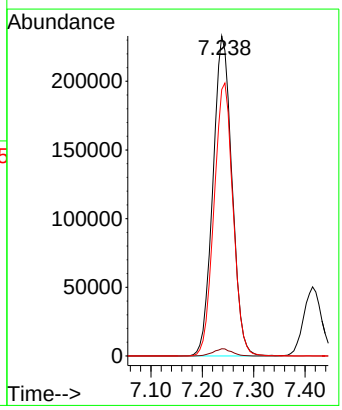


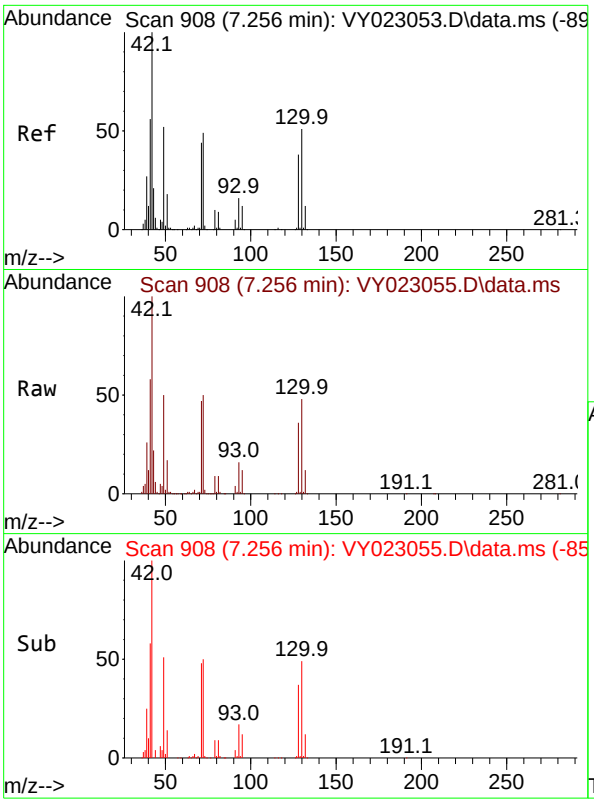


#28
Bromochloromethane
Concen: 148.984 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 49 Resp: 599841

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.9	66.4	99.6



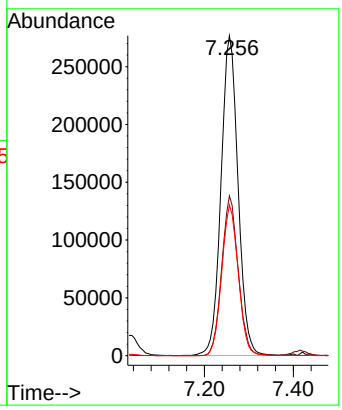


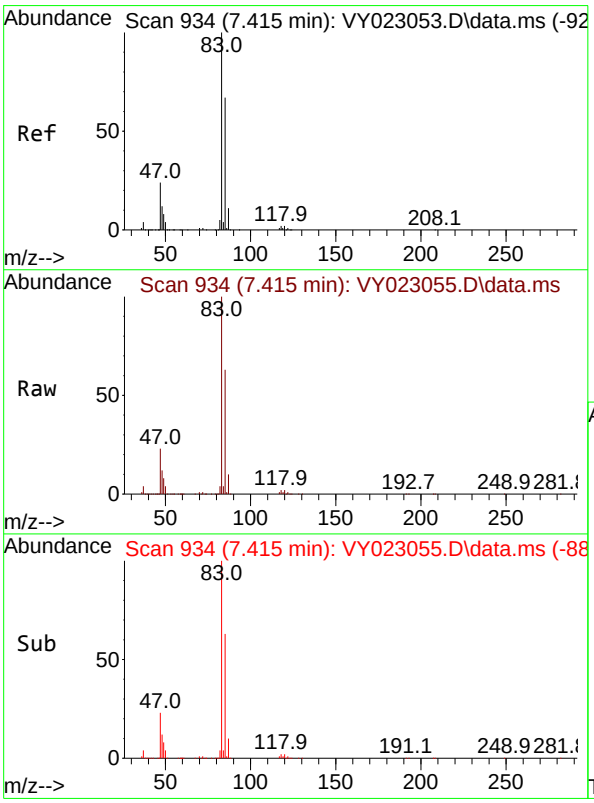
#29
Tetrahydrofuran
Concen: 783.186 ug/l
RT: 7.256 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 734408

Ion	Ratio	Lower	Upper
42	100		
72	48.3	39.4	59.2
71	45.8	36.5	54.7

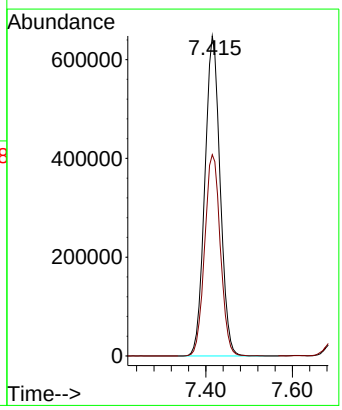


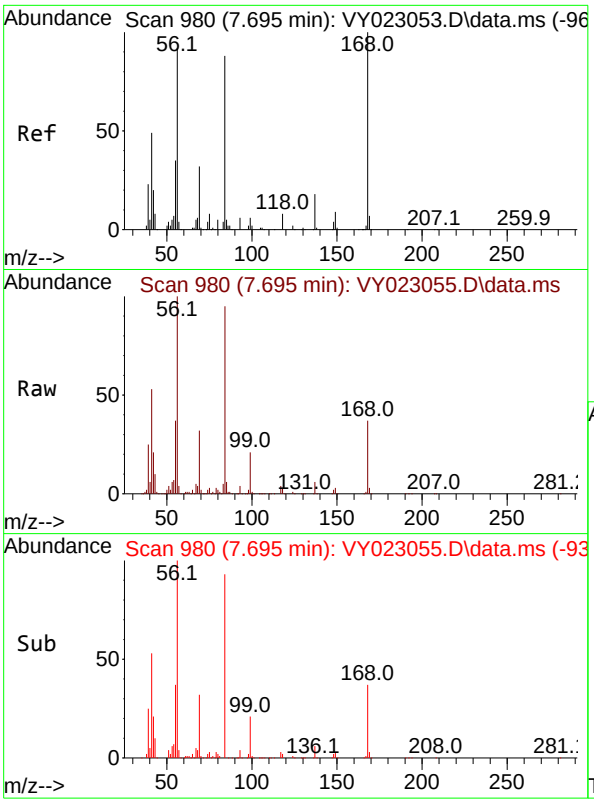


#30
Chloroform
Concen: 151.505 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 83 Resp: 1585686

Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.8	80.8



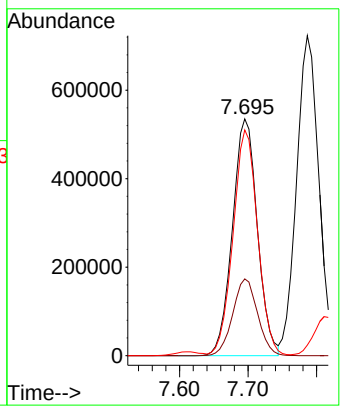


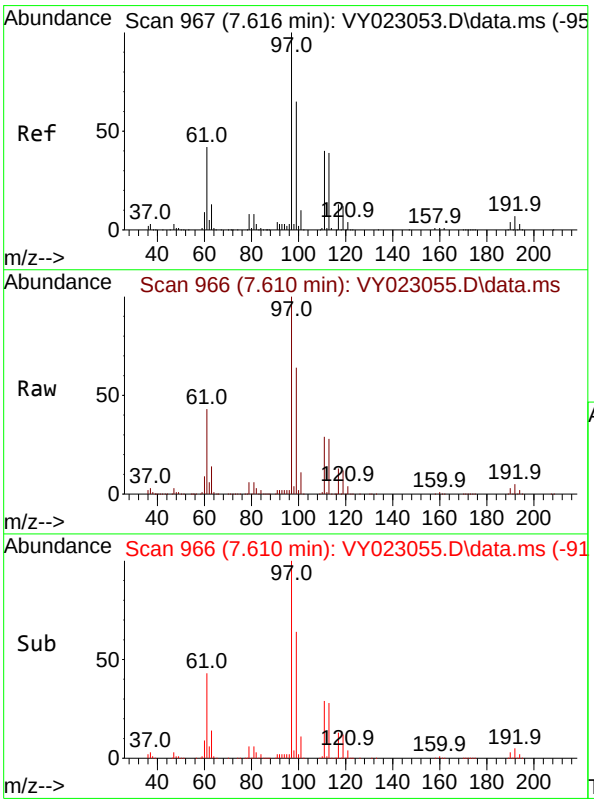
#31
Cyclohexane
Concen: 141.586 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 1354021

Ion	Ratio	Lower	Upper
56	100		
69	32.4	28.2	42.2
84	94.2	76.6	114.8

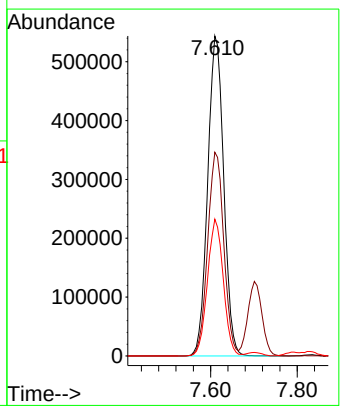


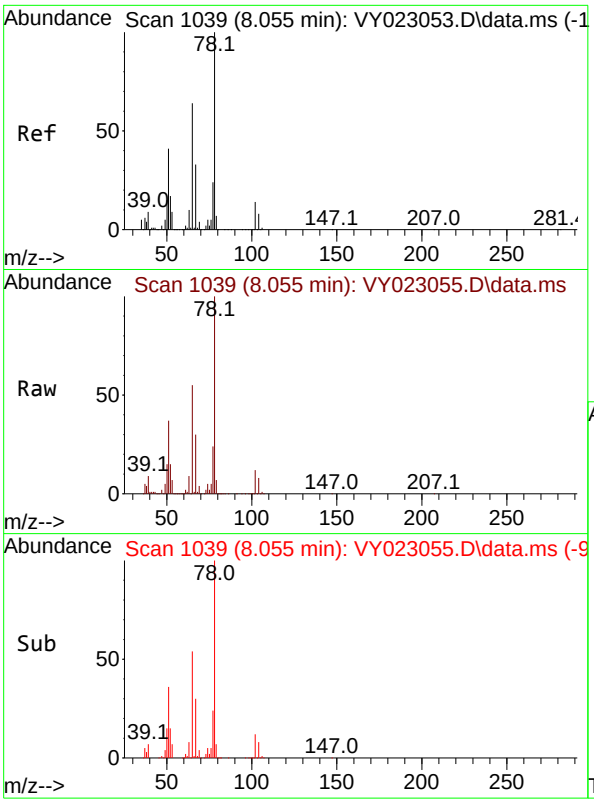


#32
1,1,1-Trichloroethane
Concen: 150.372 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 97 Resp: 1396470

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.4	34.2	51.2



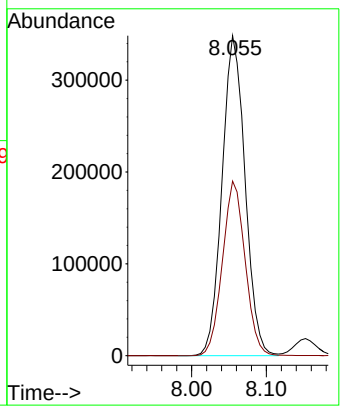


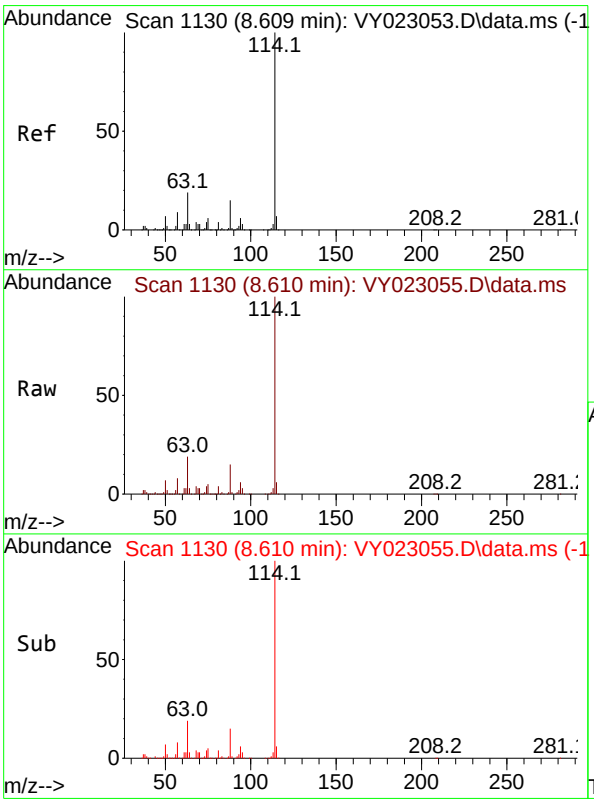
#33
1,2-Dichloroethane-d4
Concen: 145.480 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 746936

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.8

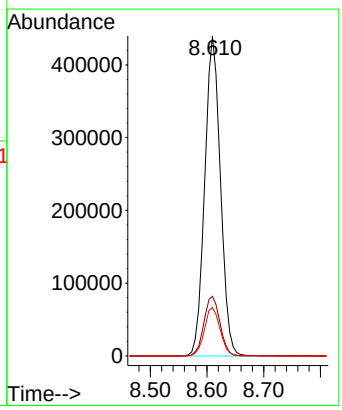


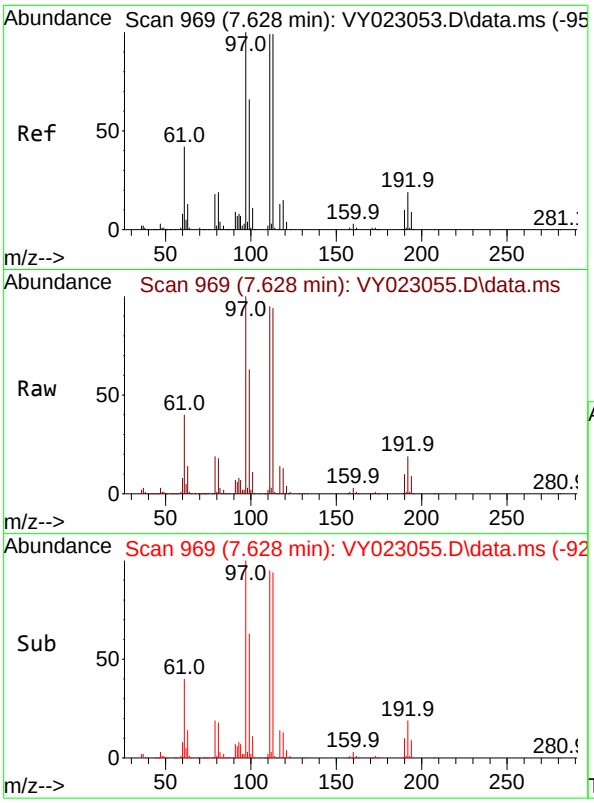


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:114 Resp: 844092

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.1	0.0	30.0



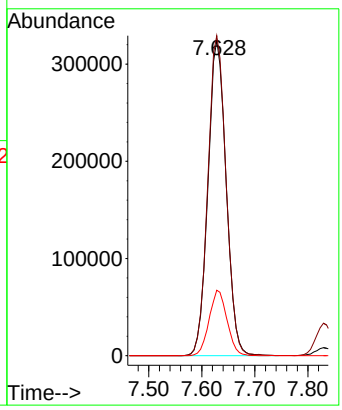


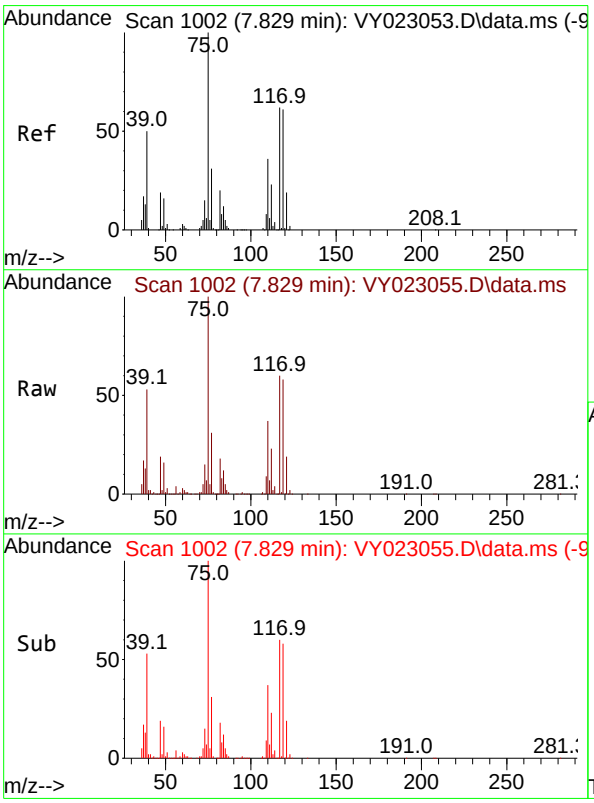
#35
Dibromofluoromethane
Concen: 152.837 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 771944

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	20.4	16.2	24.4

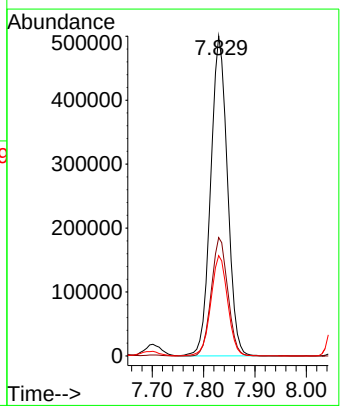


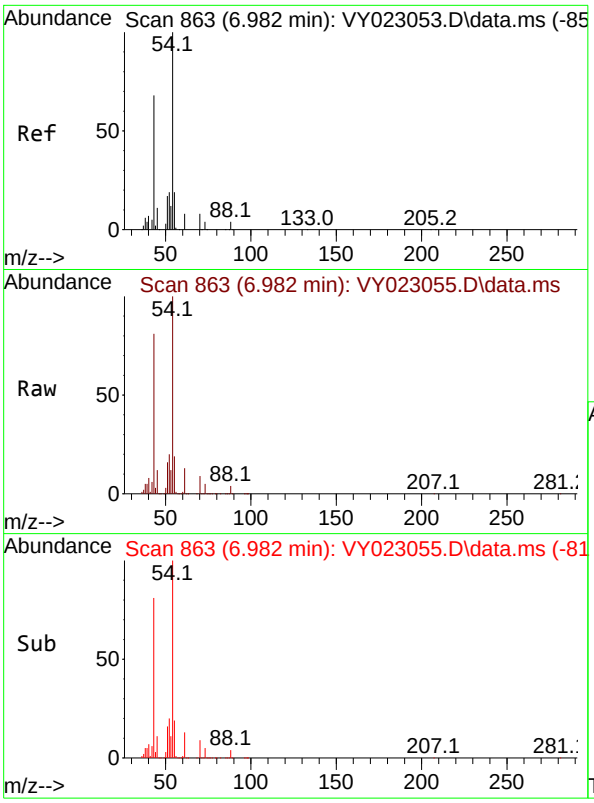


#36
1,1-Dichloropropene
Concen: 150.850 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1132306

Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	31.5	24.6	37.0



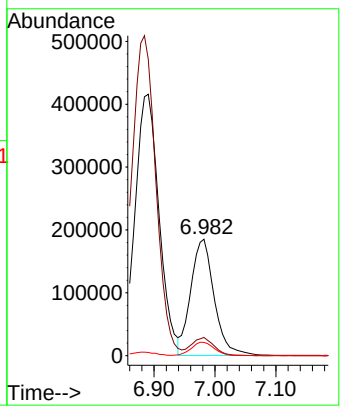


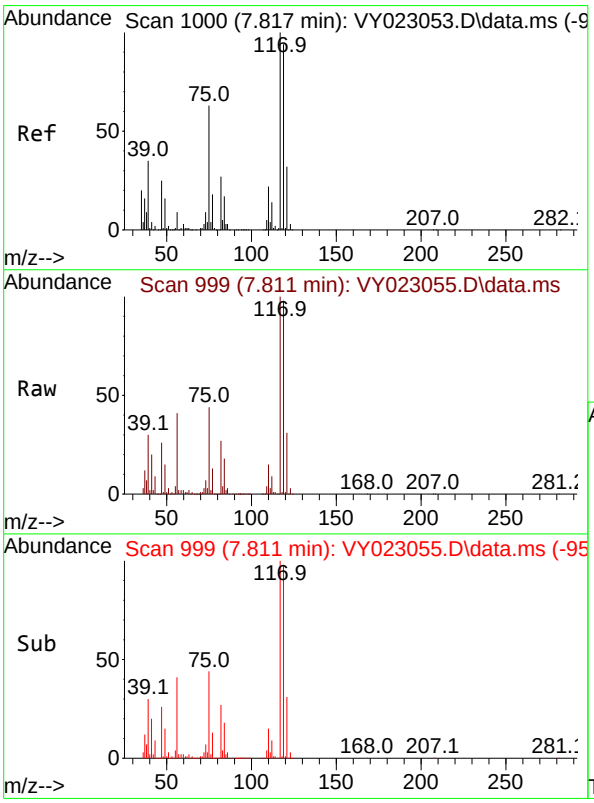
#37
Ethyl Acetate
Concen: 156.788 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 494371

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.4	8.8	13.2

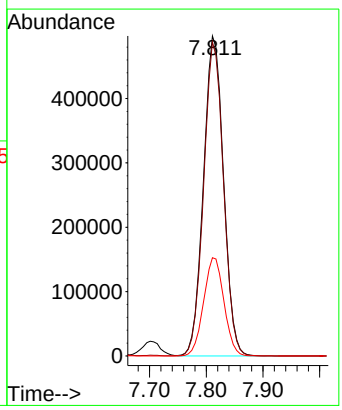


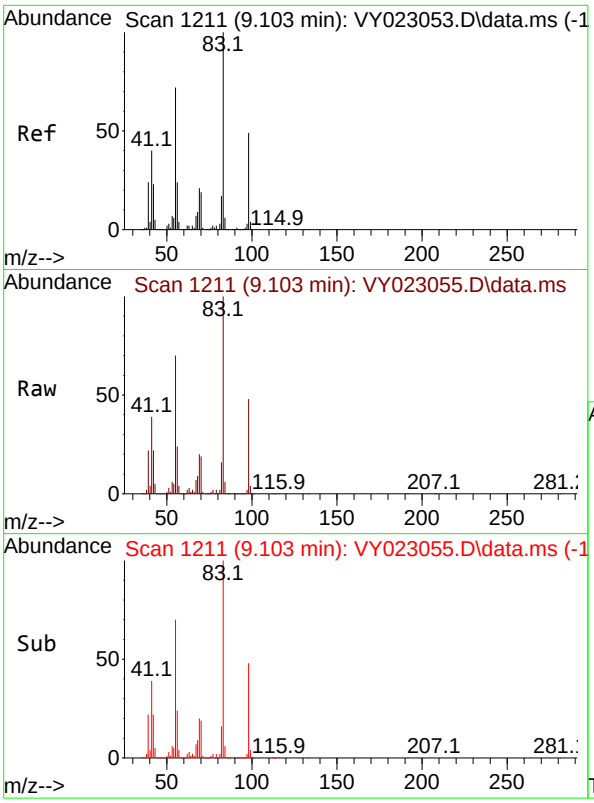


#38
Carbon Tetrachloride
Concen: 150.478 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:117 Resp: 1226800

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.6	113.4
121	30.7	25.8	38.8



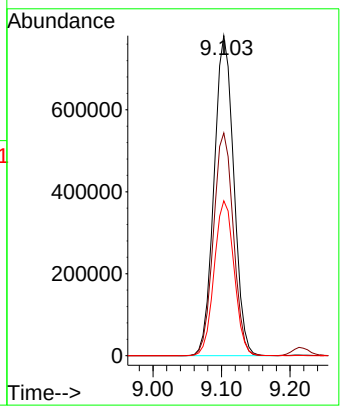


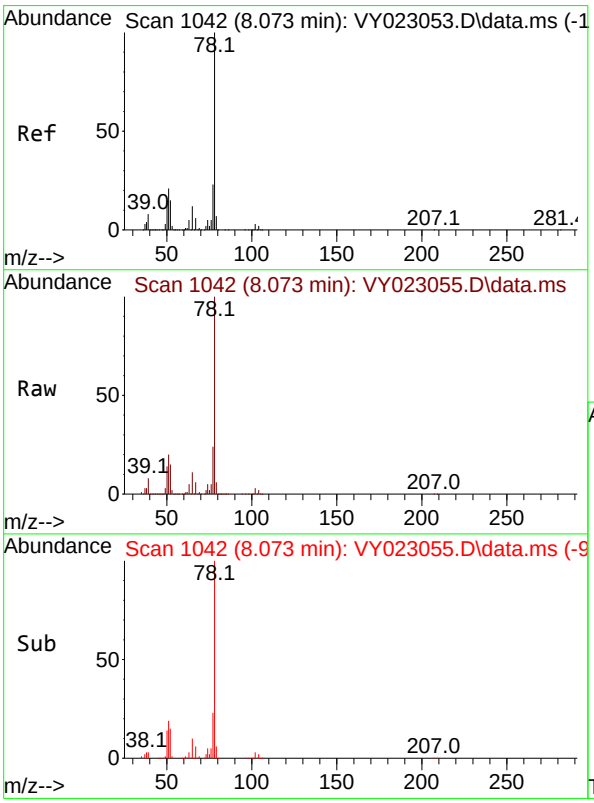
#39
Methylcyclohexane
Concen: 157.417 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 1556004

Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.6	86.4
98	48.4	39.2	58.8

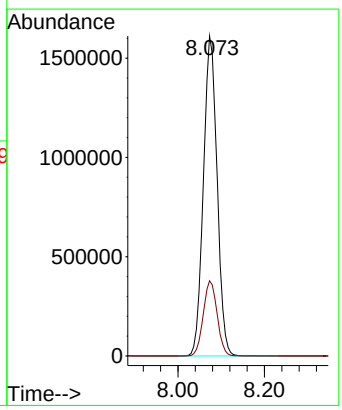


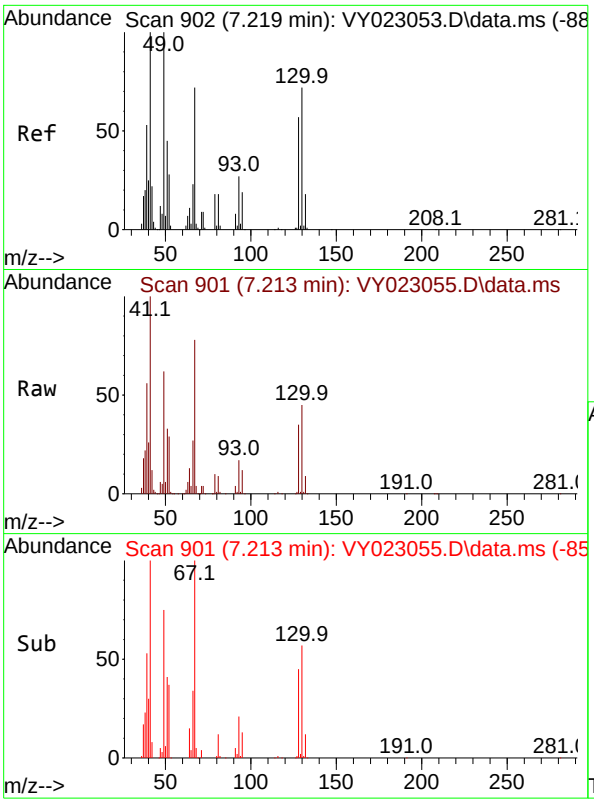


#40
Benzene
Concen: 152.720 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 78 Resp: 3533174

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0



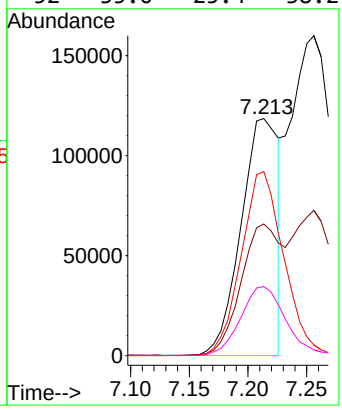


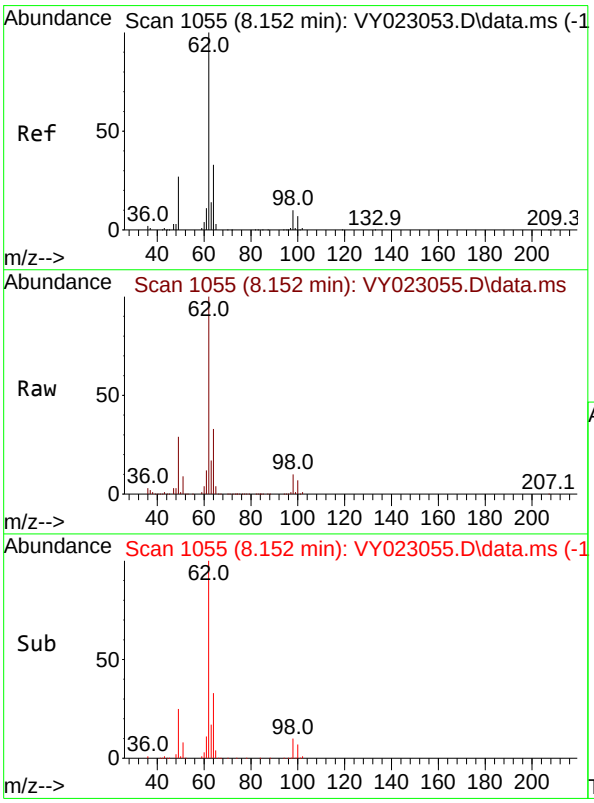
#41
Methacrylonitrile
Concen: 143.669 ug/l
RT: 7.213 min Scan# 9(
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 261721

Ion	Ratio	Lower	Upper
41	100		
39	62.2	43.4	65.2
67	89.0	63.6	95.4
52	35.0	25.4	38.2

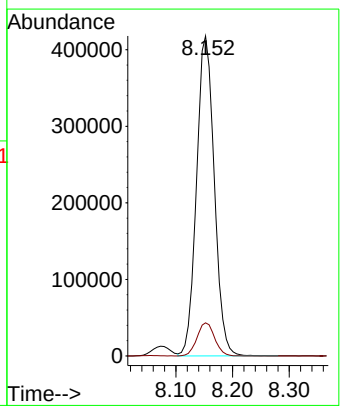


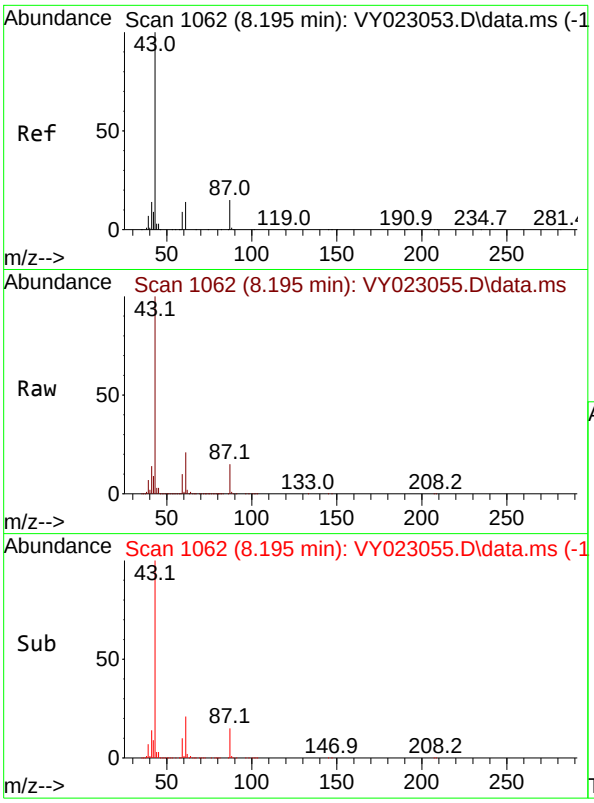


#42
1,2-Dichloroethane
Concen: 151.078 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 909030

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



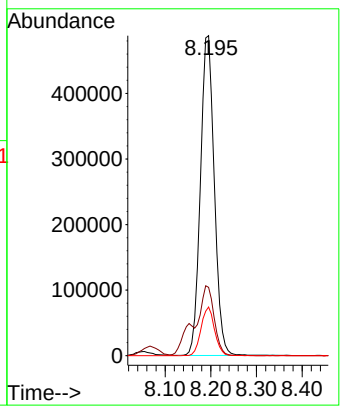


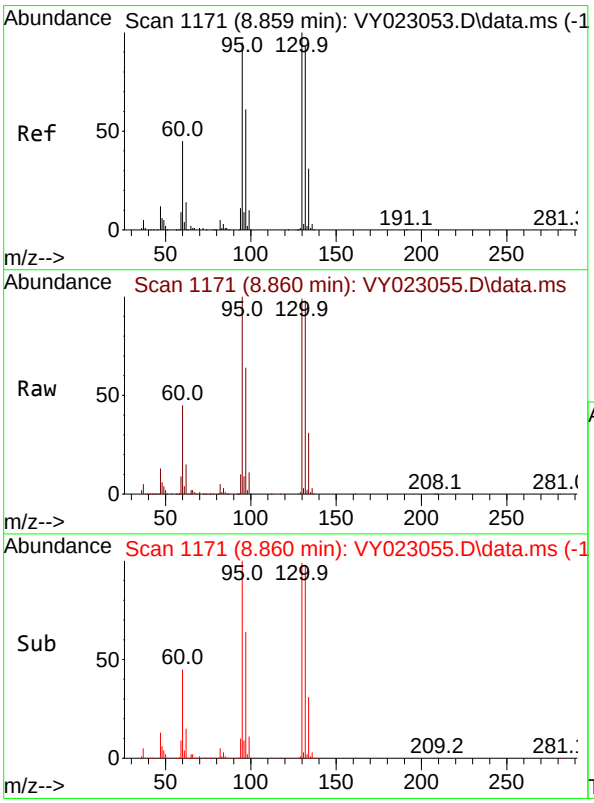
#43
Isopropyl Acetate
Concen: 161.596 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1029854

Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.4	24.6
87	14.8	11.8	17.6

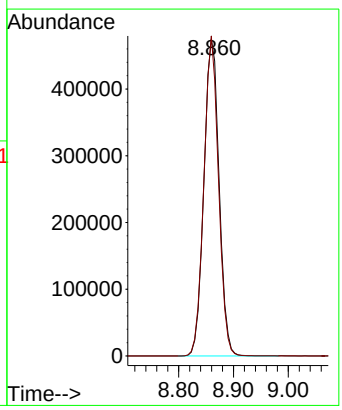


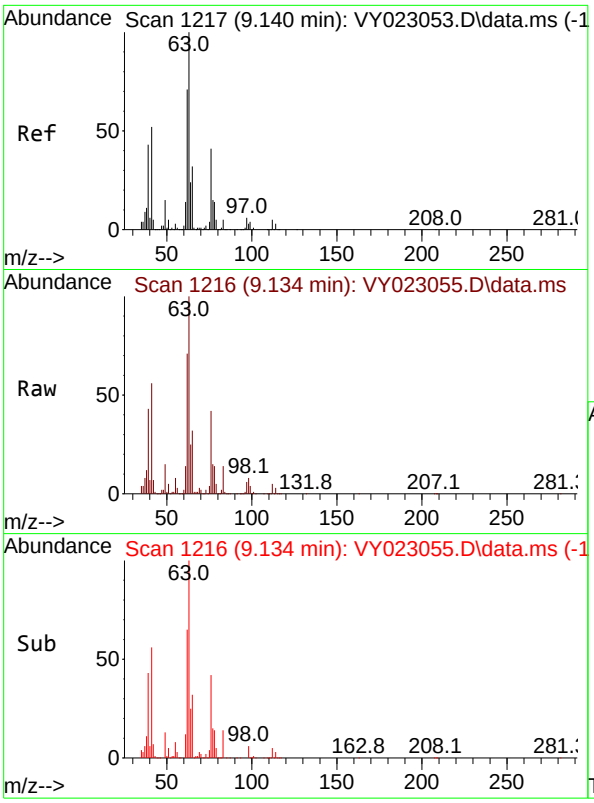


#44
Trichloroethene
Concen: 152.126 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:130 Resp: 909510

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	190.2



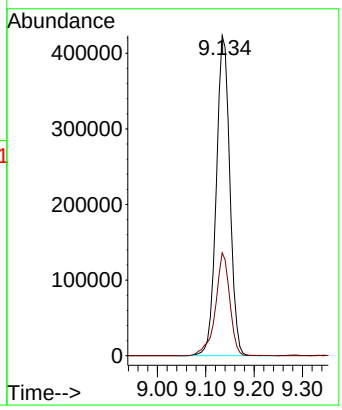


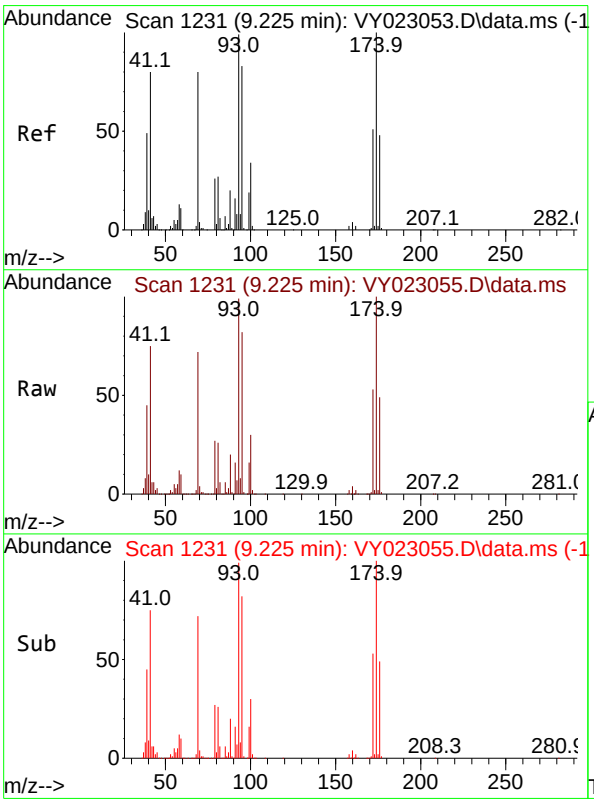
#45
1,2-Dichloropropane
Concen: 154.426 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 822035

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.3	37.9

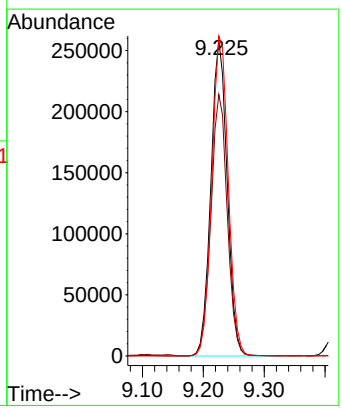


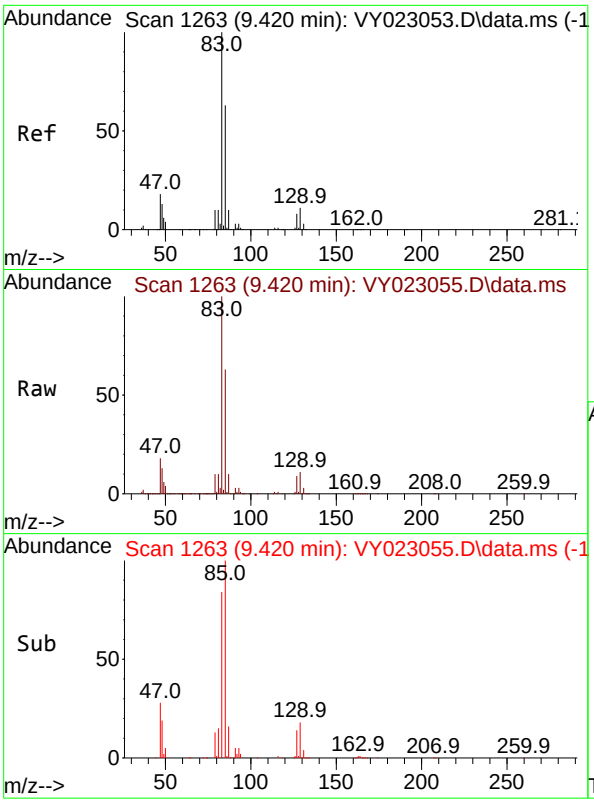


#46
Dibromomethane
Concen: 157.156 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 93 Resp: 480162

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.5	99.7
174	102.6	81.8	122.8



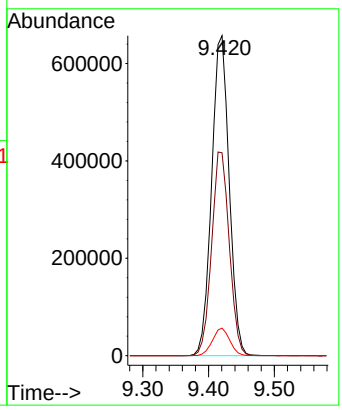


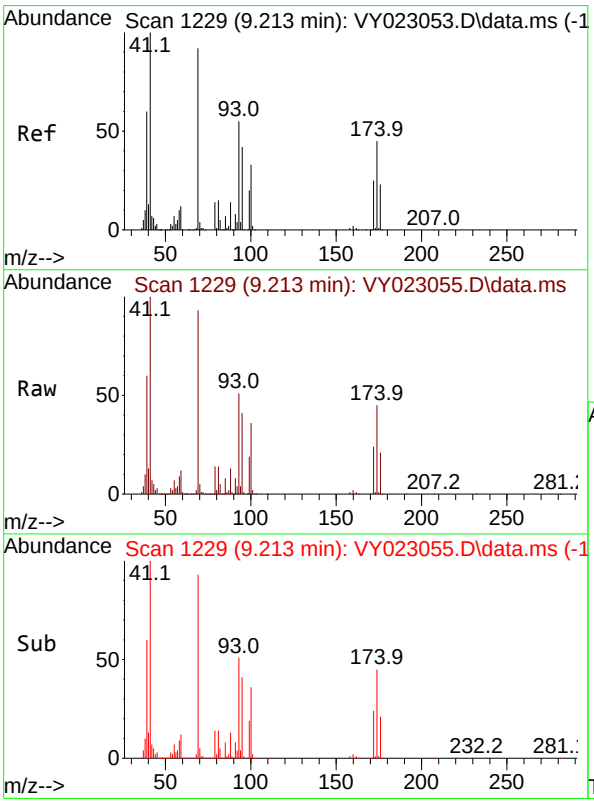
#47
Bromodichloromethane
Concen: 154.884 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 1217658

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	8.6	6.6	10.0

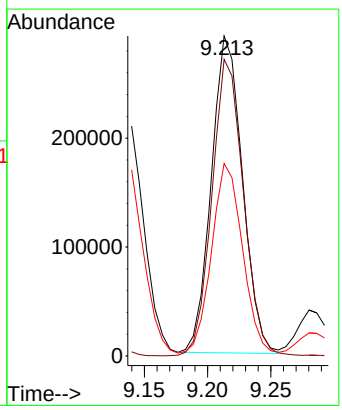


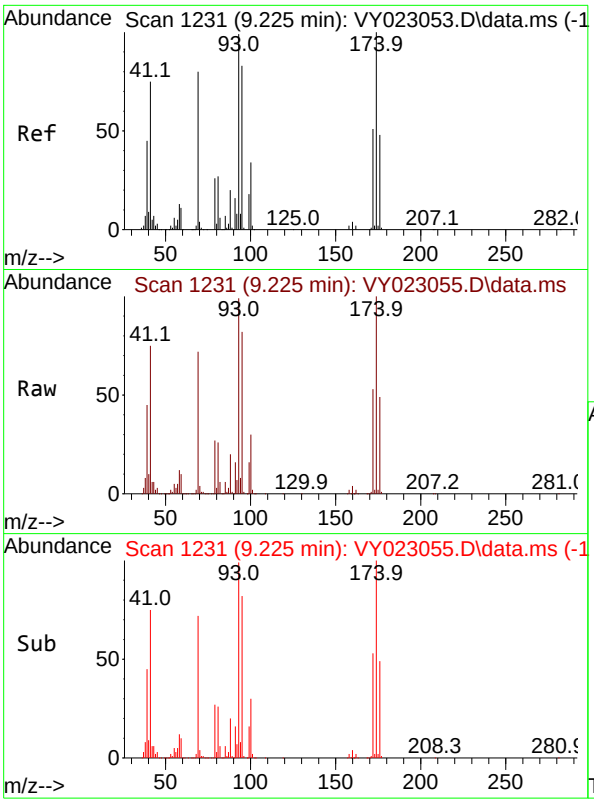


#48
Methyl methacrylate
Concen: 163.144 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 497527

Ion	Ratio	Lower	Upper
41	100		
69	95.0	73.2	109.8
39	59.3	47.0	70.4



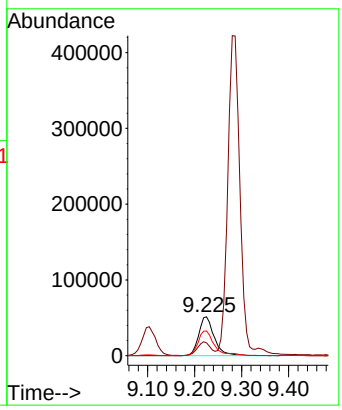


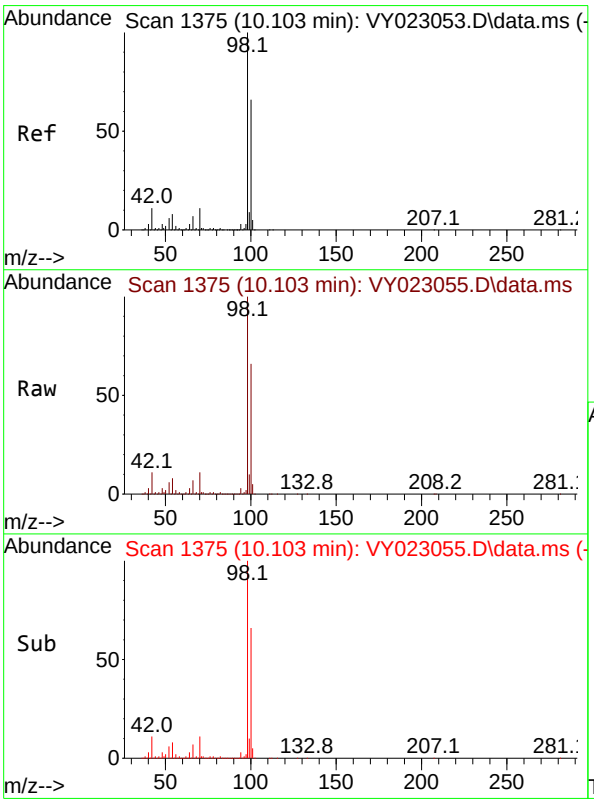
#49
1,4-Dioxane
Concen: 3280.235 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 117513

Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.3	36.5
58	67.5	55.4	83.0

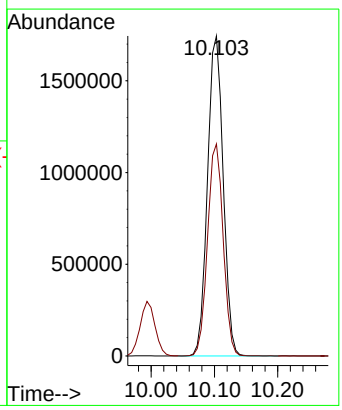


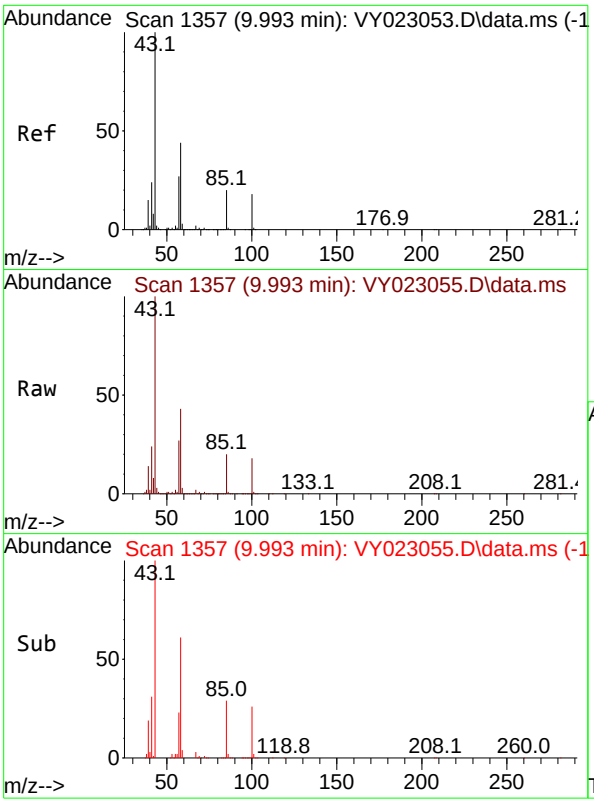


#50
Toluene-d8
Concen: 152.237 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 98 Resp: 3003834

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.3	78.5



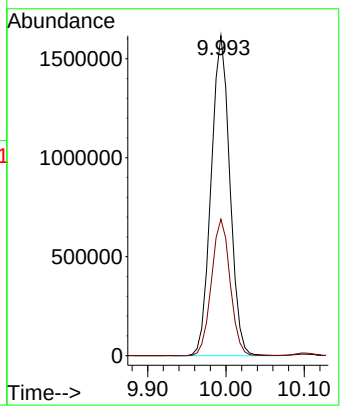


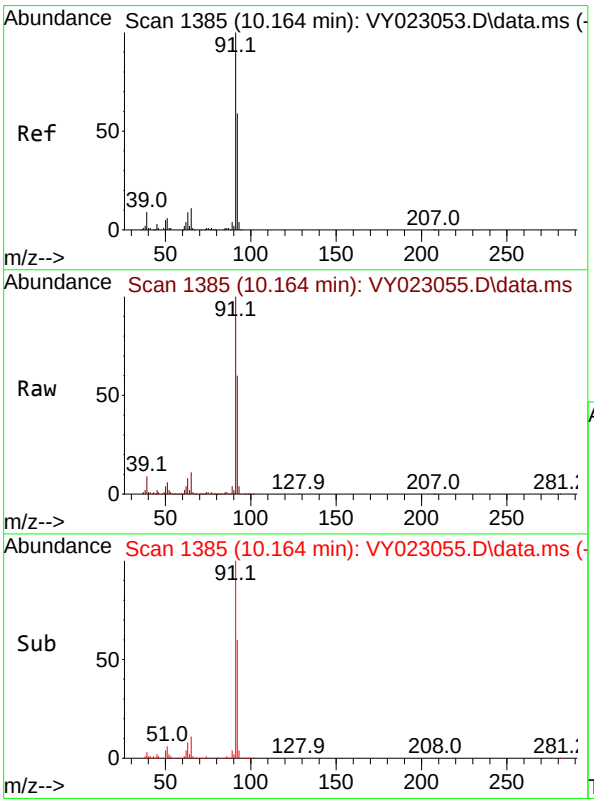
#51
4-Methyl-2-Pentanone
Concen: 814.509 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2677587

Ion	Ratio	Lower	Upper
43	100		
58	42.6	33.5	50.3

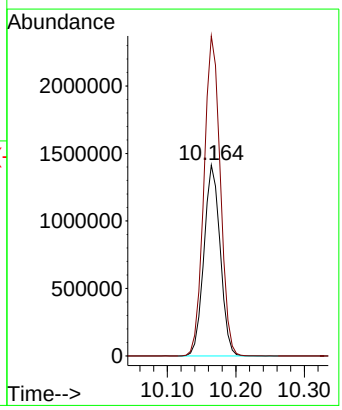


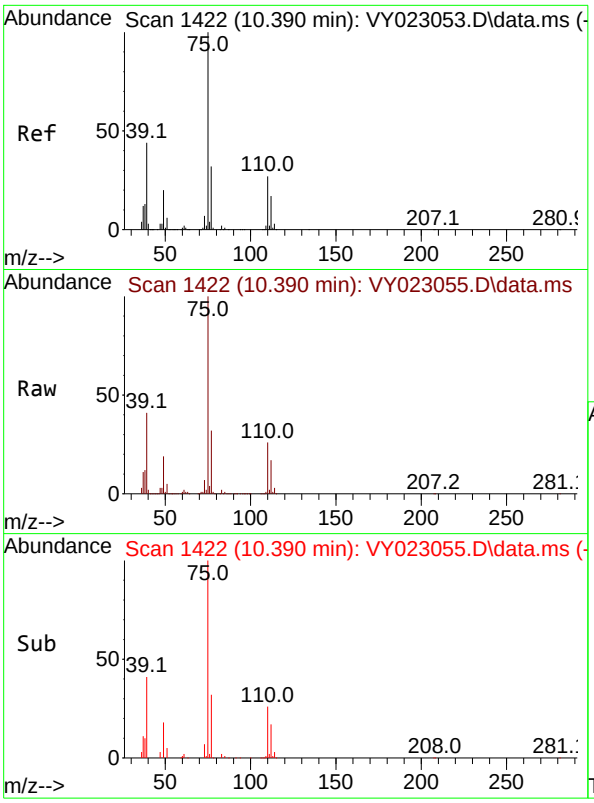


#52
Toluene
Concen: 158.762 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 92 Resp: 2332797

Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.4	204.6



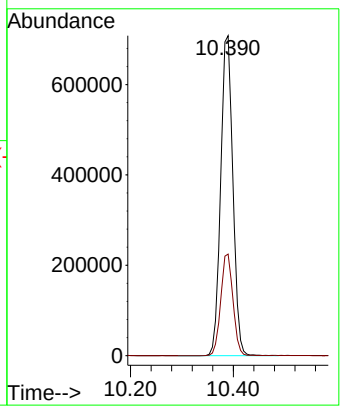


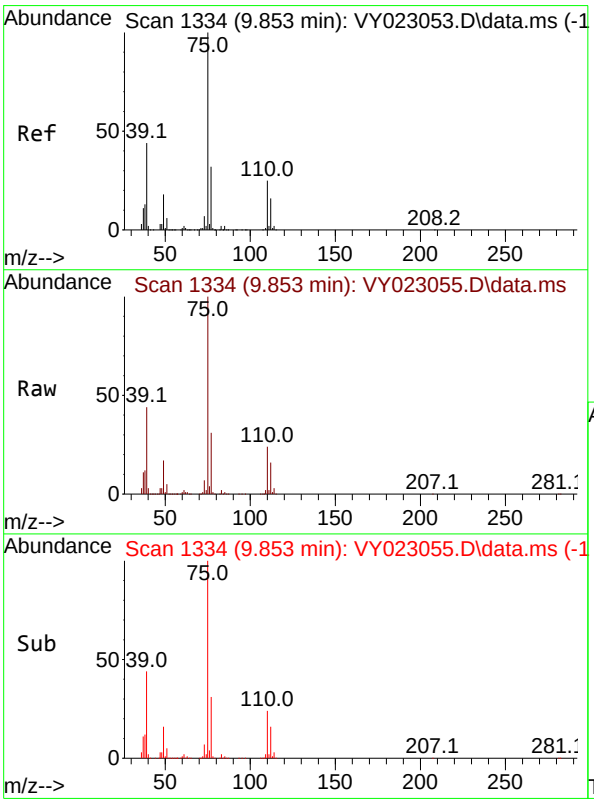
#53
t-1,3-Dichloropropene
Concen: 163.355 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 1162952

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5

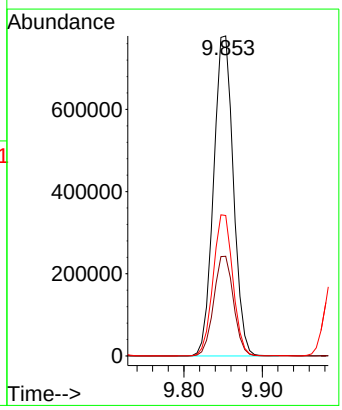


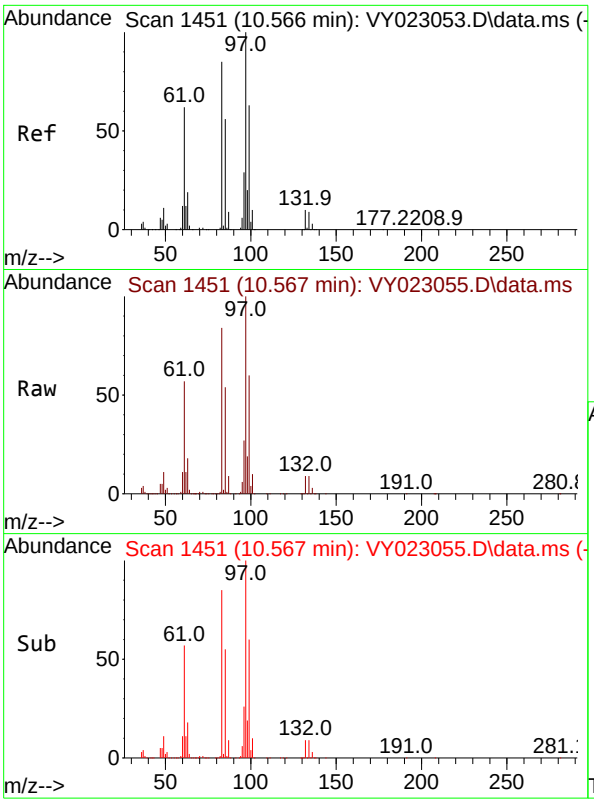


#54
cis-1,3-Dichloropropene
Concen: 162.359 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1366797

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	43.9	35.6	53.4



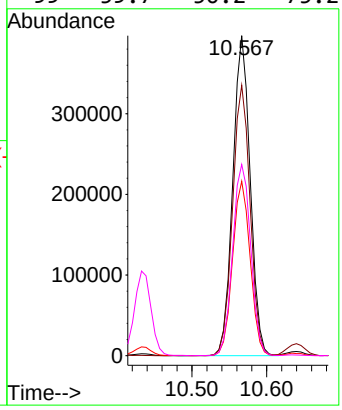


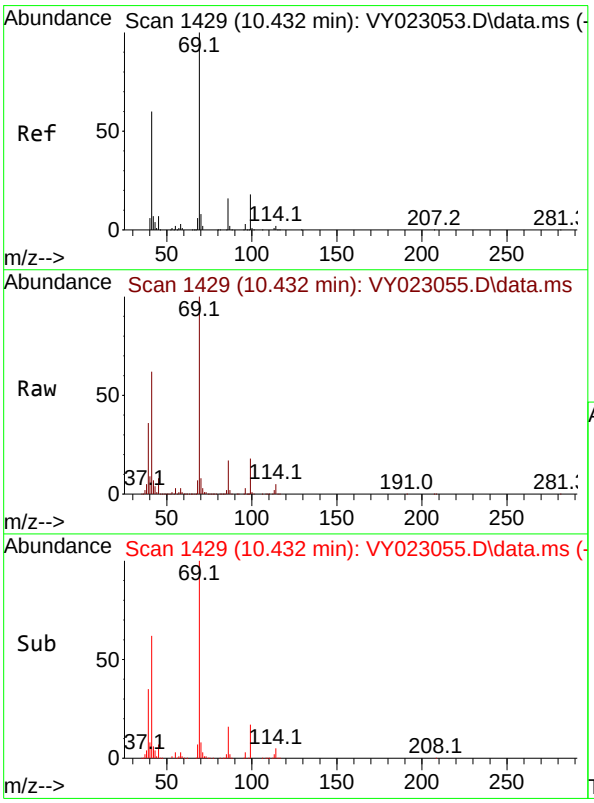
#55
1,1,2-Trichloroethane
Concen: 157.090 ug/l
RT: 10.567 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 642236

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	54.5	44.5	66.7
99	59.7	50.2	75.2

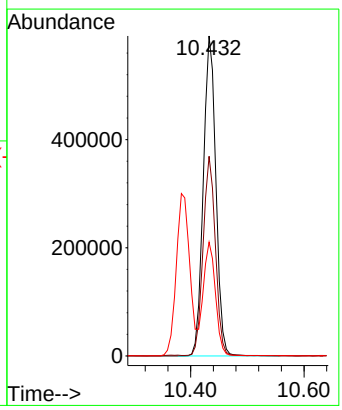


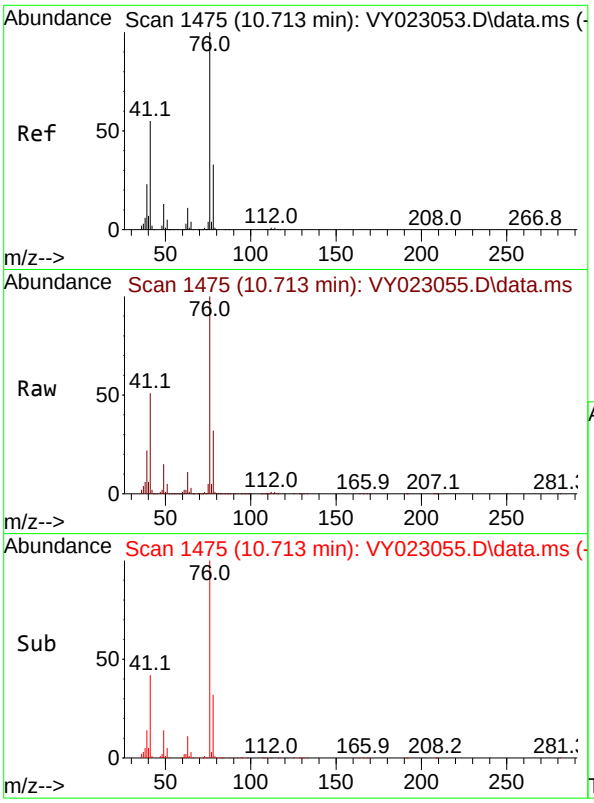


#56
Ethyl methacrylate
Concen: 173.693 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 69 Resp: 908662

Ion	Ratio	Lower	Upper
69	100		
41	60.9	48.6	72.8
39	33.4	27.0	40.4



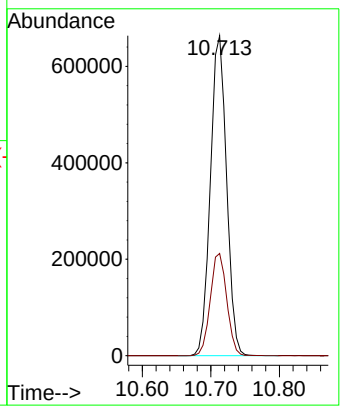


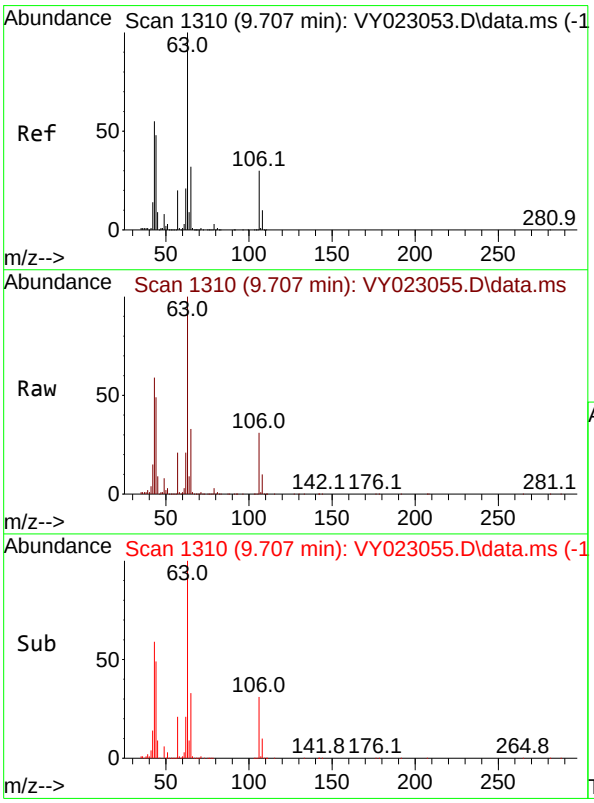
#57
1,3-Dichloropropane
Concen: 156.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1087297

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

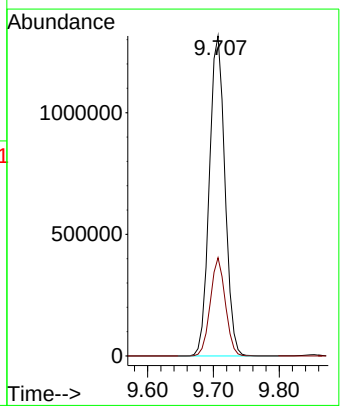


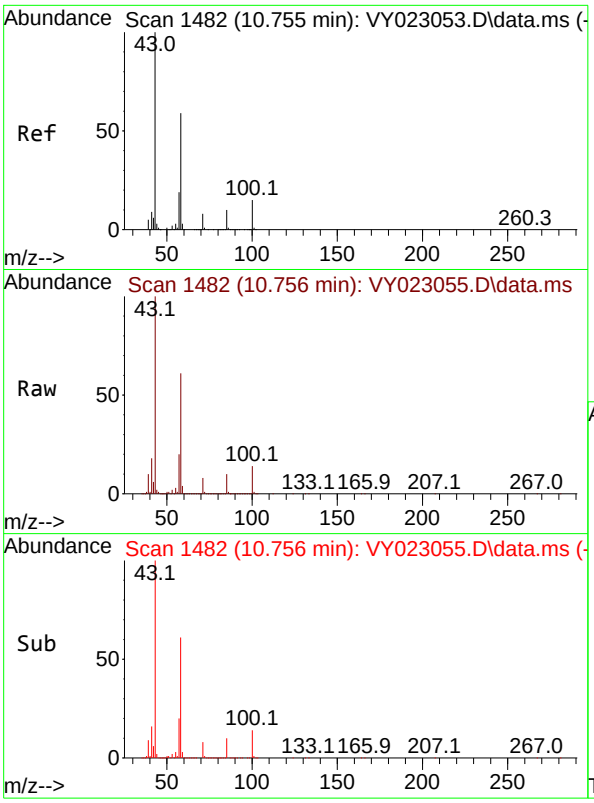


#58
2-Chloroethyl Vinyl ether
Concen: 878.488 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 2167815

Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.2	34.8



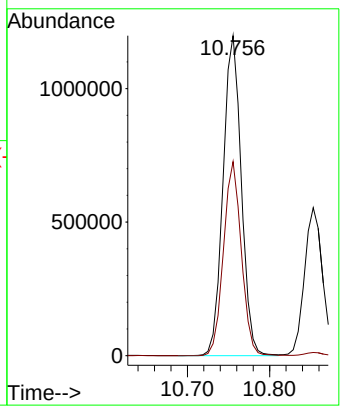


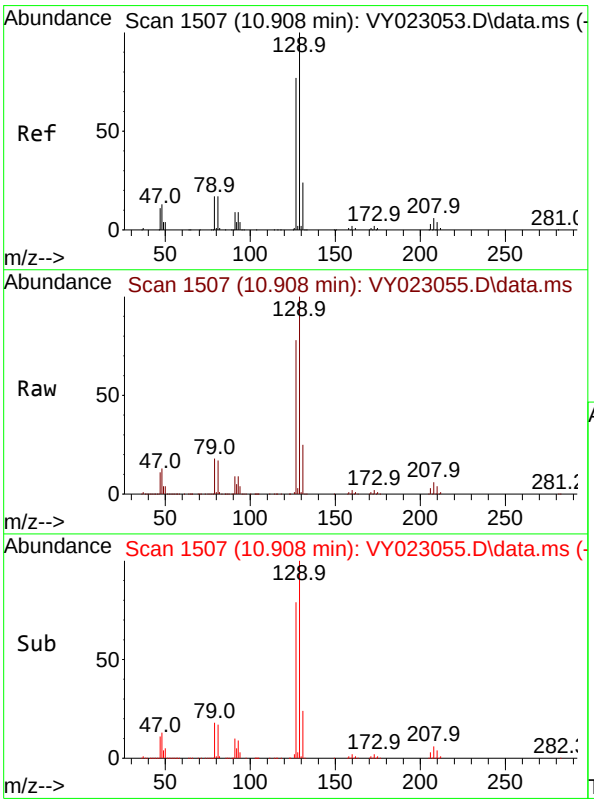
#59
2-Hexanone
Concen: 825.606 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1848093

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5

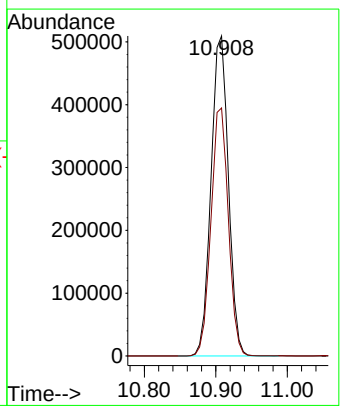


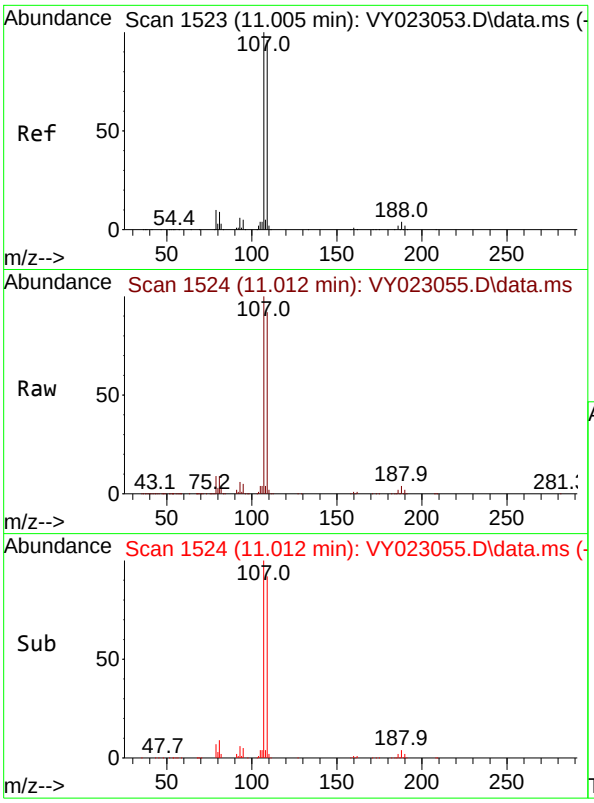


#60
Dibromochloromethane
Concen: 159.454 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:129 Resp: 860181

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



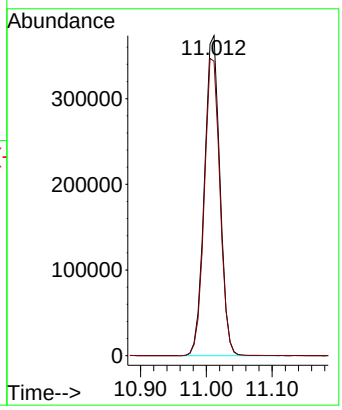


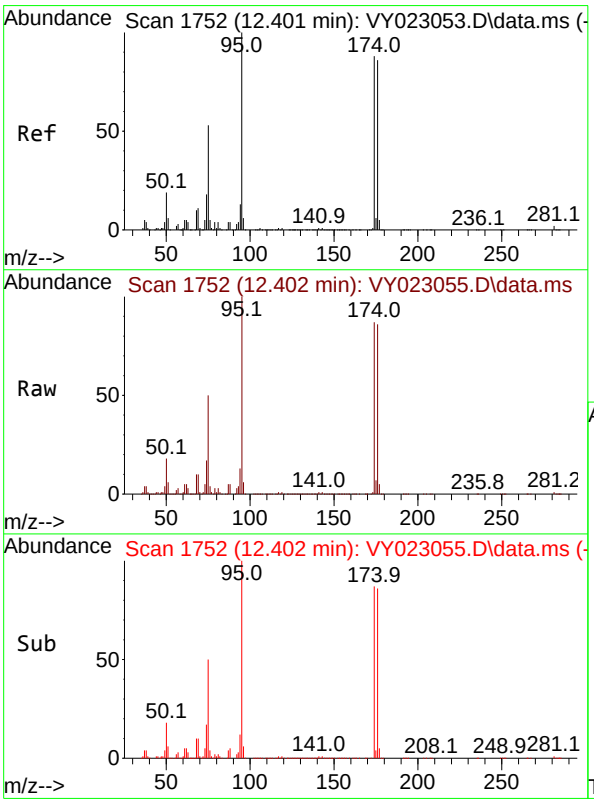
#61
1,2-Dibromoethane
Concen: 159.546 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 613069

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.6	113.4

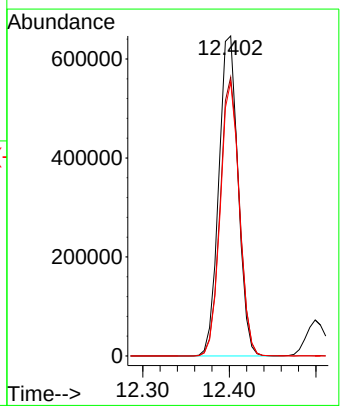


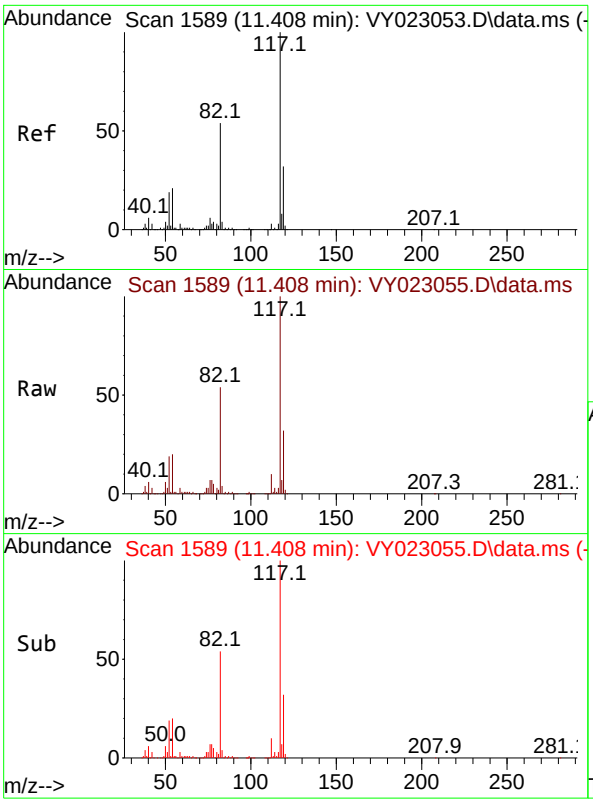


#62
4-Bromofluorobenzene
Concen: 157.326 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 95 Resp: 998318

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	171.6
176	84.6	0.0	167.6



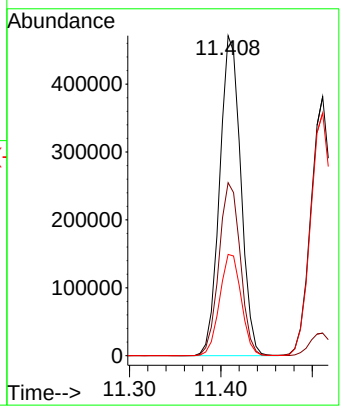


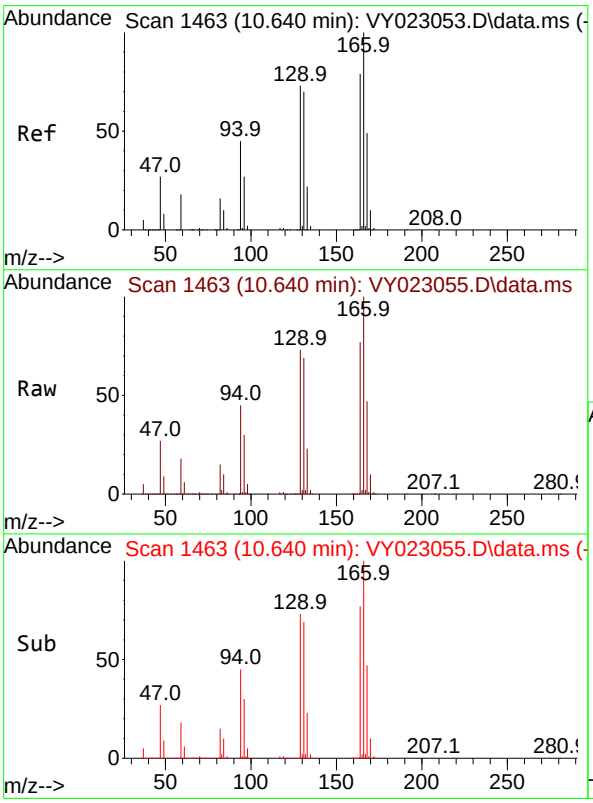
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 756365

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	31.7	25.6	38.4

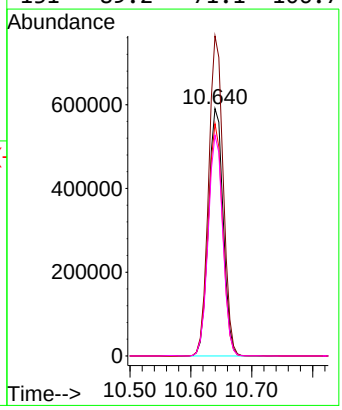


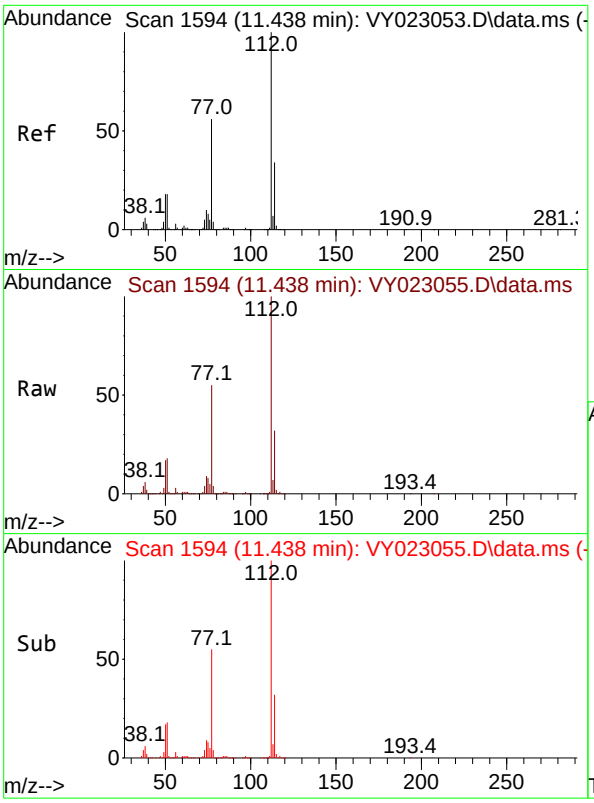


#64
Tetrachloroethene
Concen: 146.682 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:164 Resp: 990664

Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.1	151.7
129	93.9	74.0	111.0
131	89.2	71.1	106.7



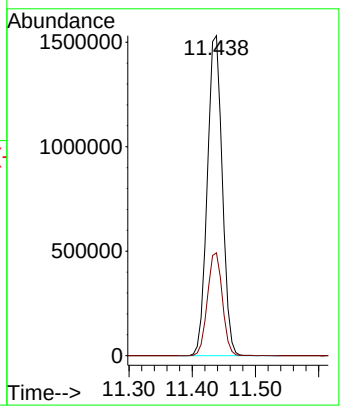


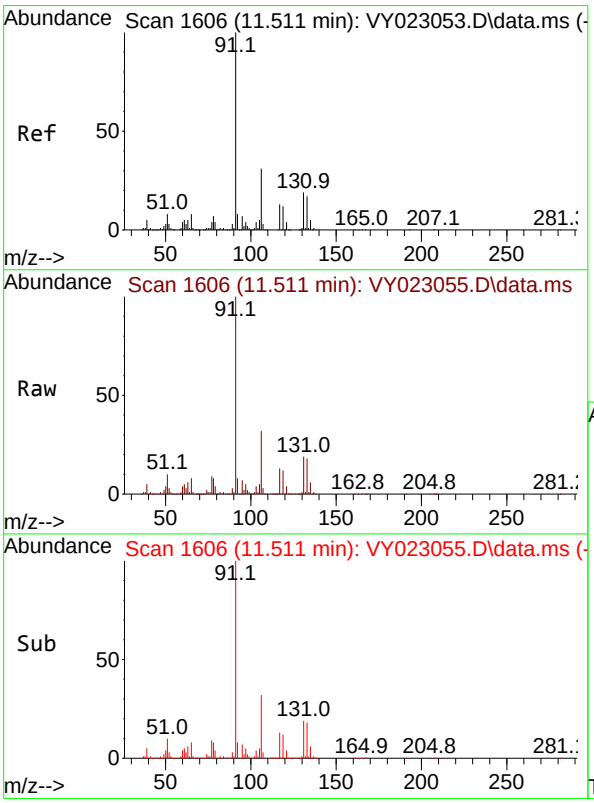
#65
Chlorobenzene
Concen: 154.514 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 2520874

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4

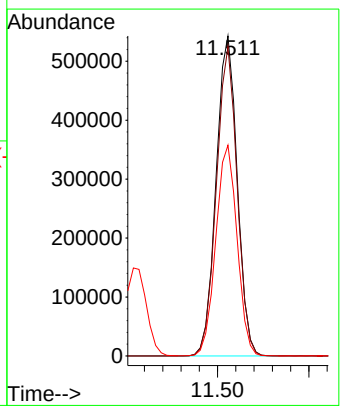


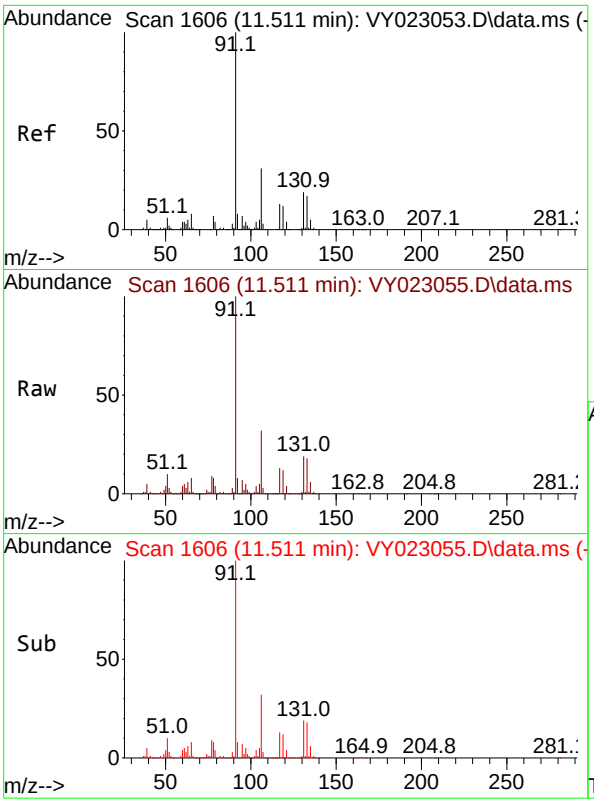


#66
1,1,1,2-Tetrachloroethane
Concen: 157.304 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:131 Resp: 871003

Ion	Ratio	Lower	Upper
131	100		
133	95.1	46.9	140.6
119	66.5	33.2	99.6



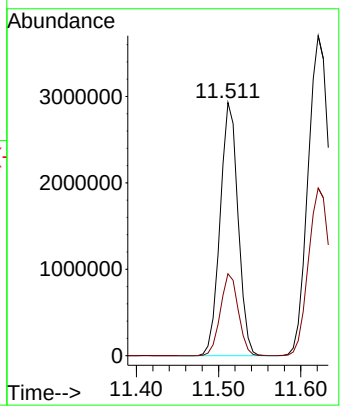


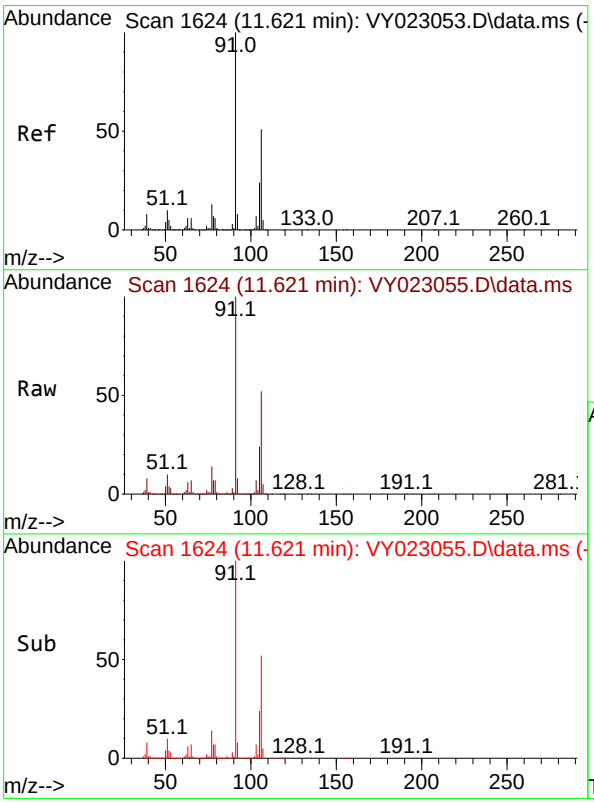
#67
Ethyl Benzene
Concen: 158.093 ug/l
RT: 11.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 4438665

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.0	37.4

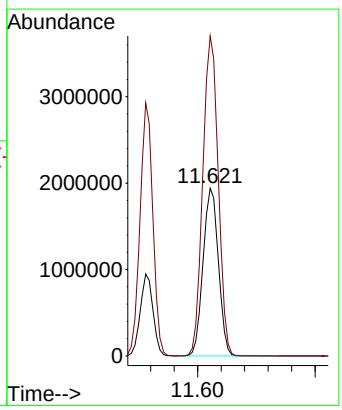


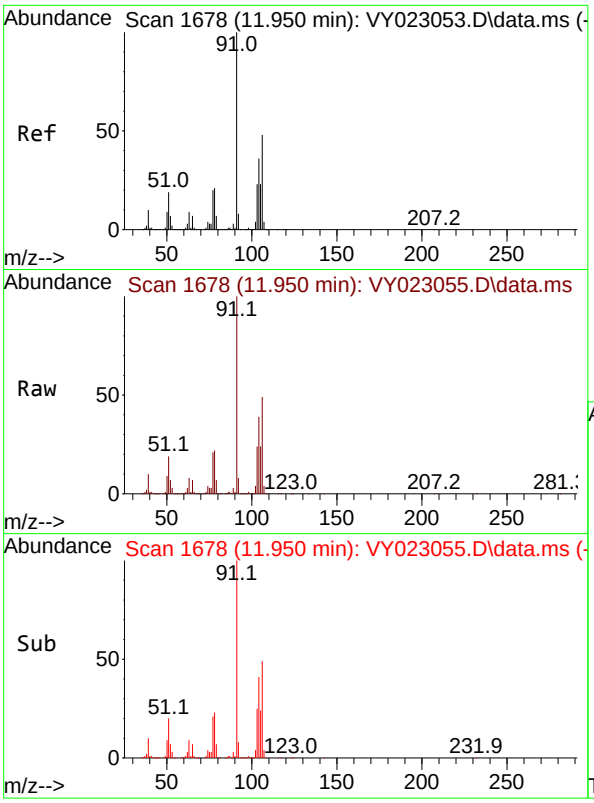


#68
m/p-Xylenes
Concen: 320.251 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:106 Resp: 3511726

Ion	Ratio	Lower	Upper
106	100		
91	192.1	158.6	238.0



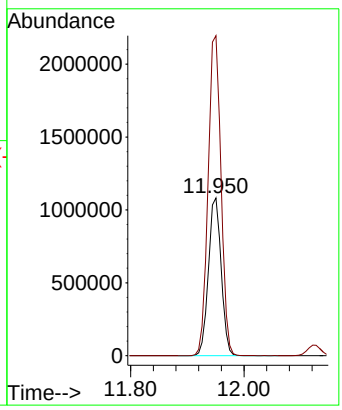


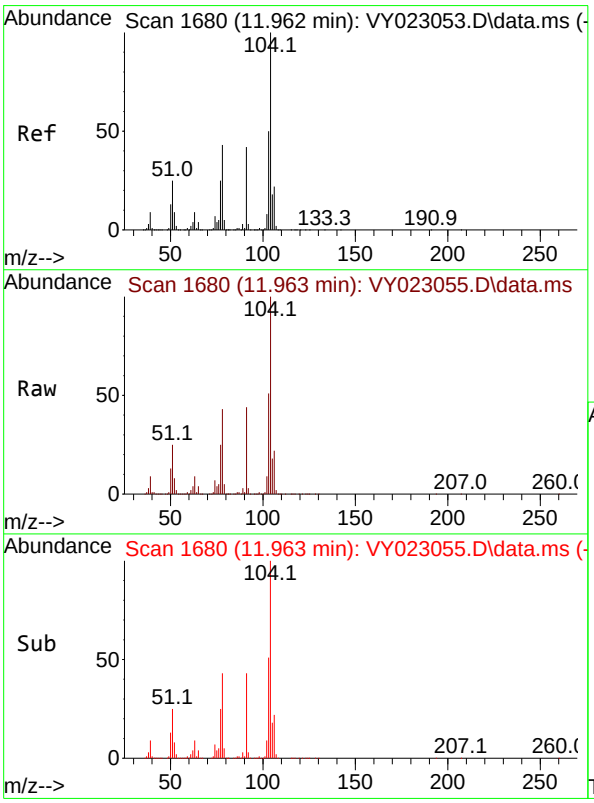
#69
o-Xylene
Concen: 163.941 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 1683720

Ion	Ratio	Lower	Upper
106	100		
91	205.5	103.2	309.4

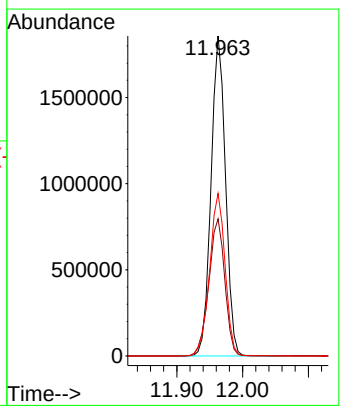


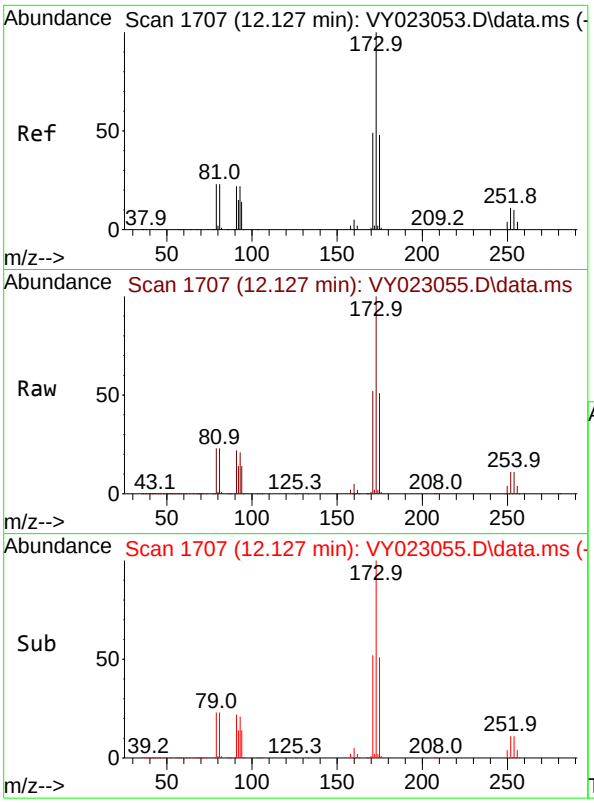


#70
Styrene
Concen: 169.475 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:104 Resp: 2846443

Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.5	57.7
103	54.3	43.7	65.5



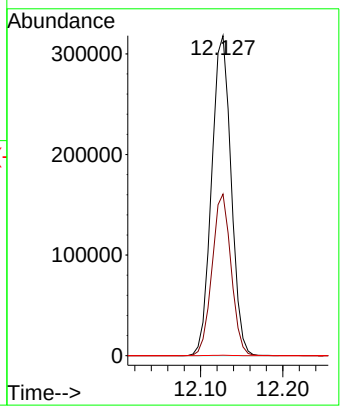


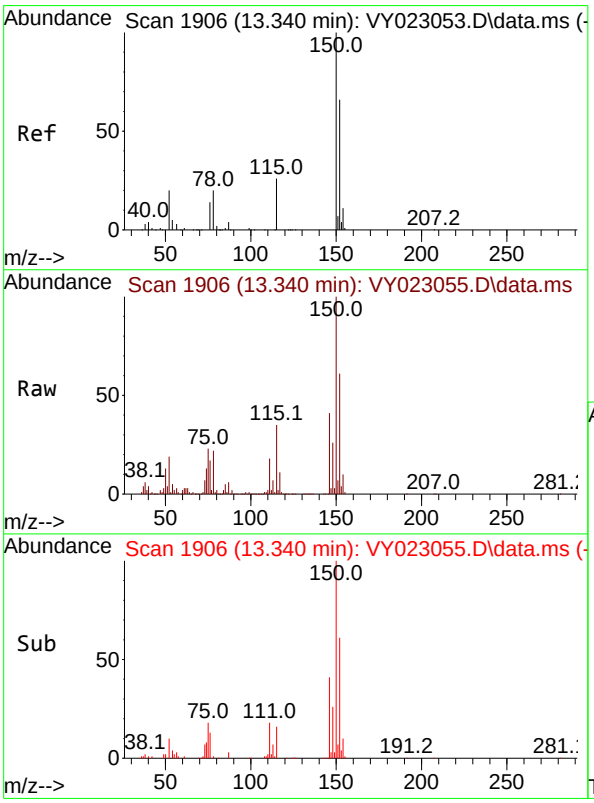
#71
Bromoform
Concen: 161.778 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 523541

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.7
254	0.2	0.1	0.1#

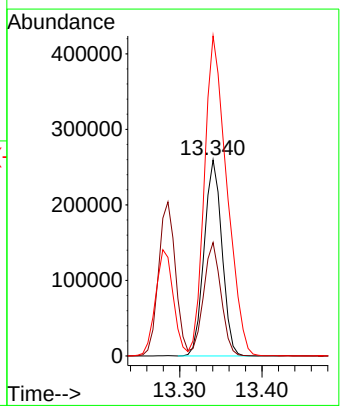


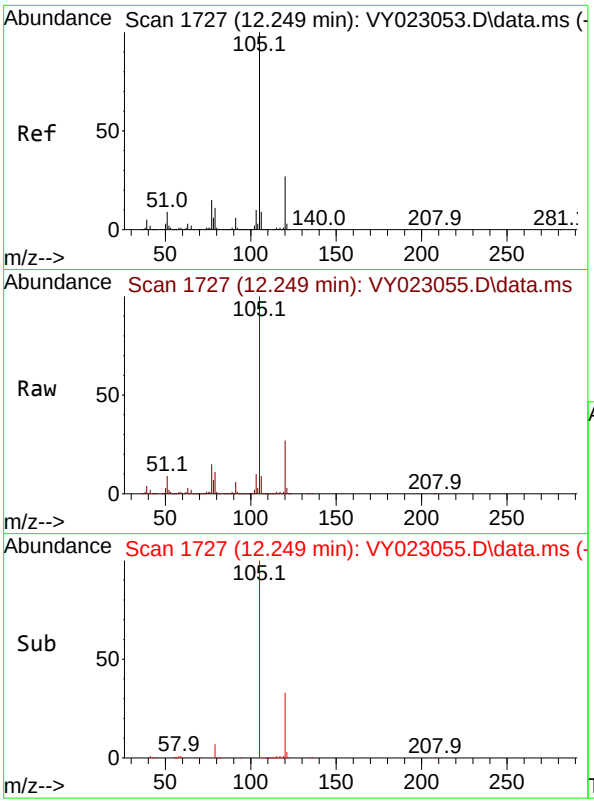


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:152 Resp: 389949

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.6
150	205.8	0.0	348.0



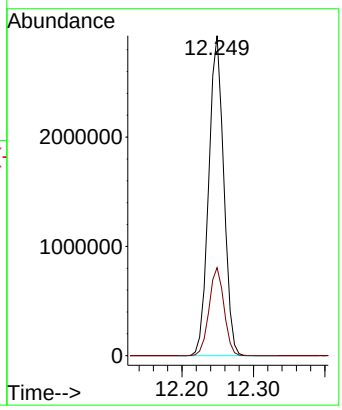


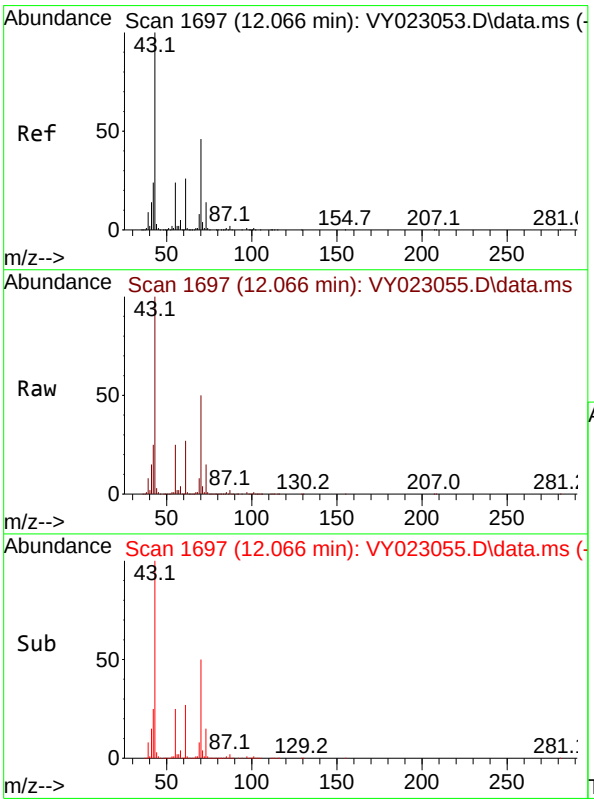
#73
Isopropylbenzene
Concen: 155.145 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 4269945

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.4	40.2

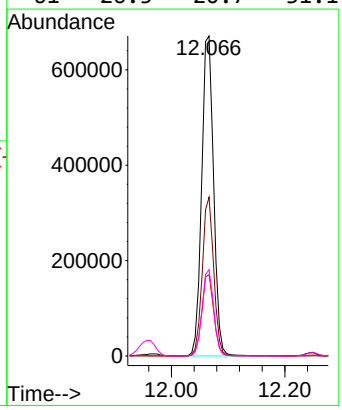


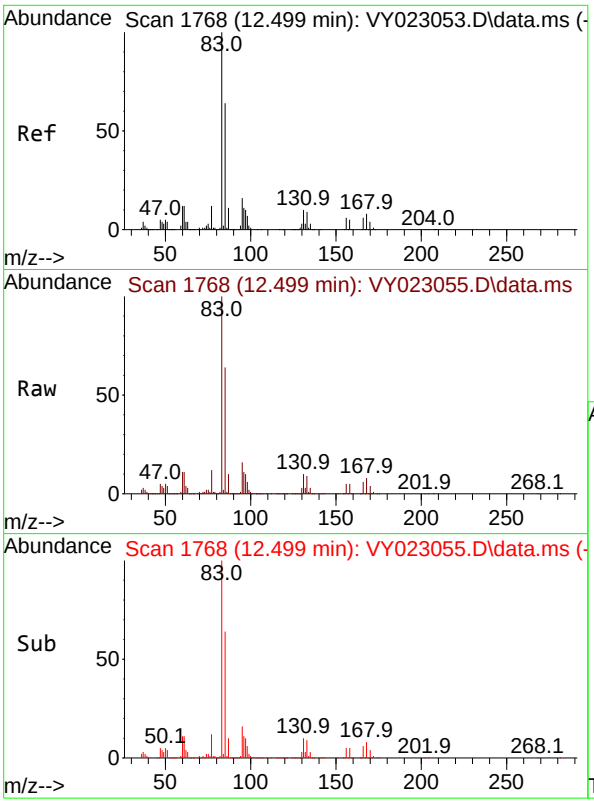


#74
N-amyl acetate
Concen: 168.265 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 982090

Ion	Ratio	Lower	Upper
43	100		
70	47.8	37.5	56.3
55	25.3	20.7	31.1
61	26.5	20.7	31.1



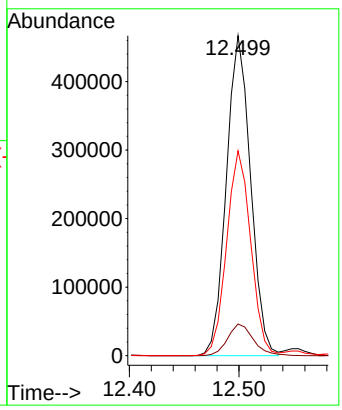


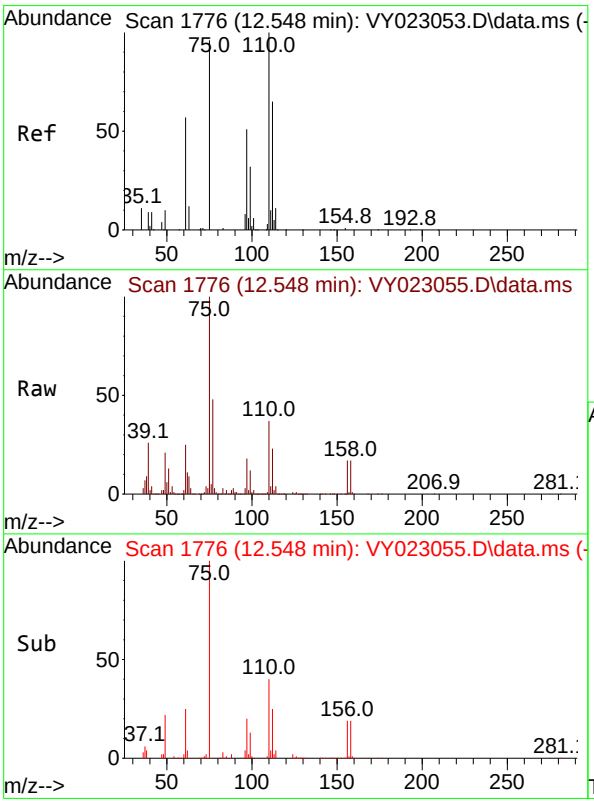
#75
1,1,2,2-Tetrachloroethane
Concen: 152.686 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 717524

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	63.7	31.8	95.3

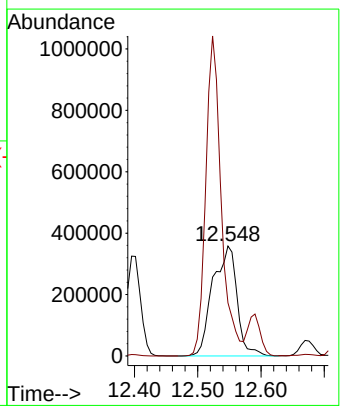


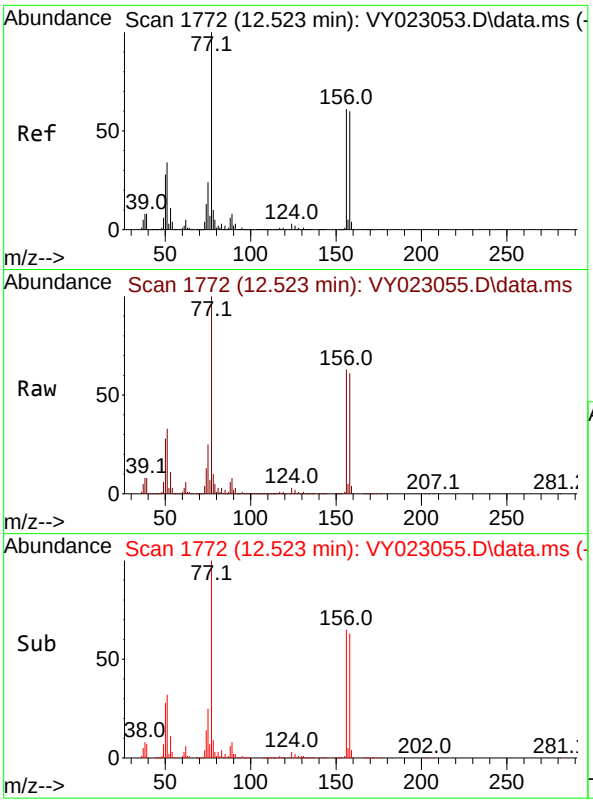


#76
1,2,3-Trichloropropane
Concen: 252.416 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 950569

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



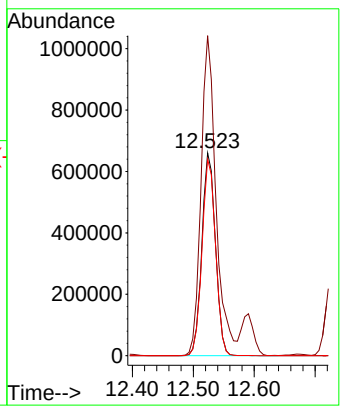


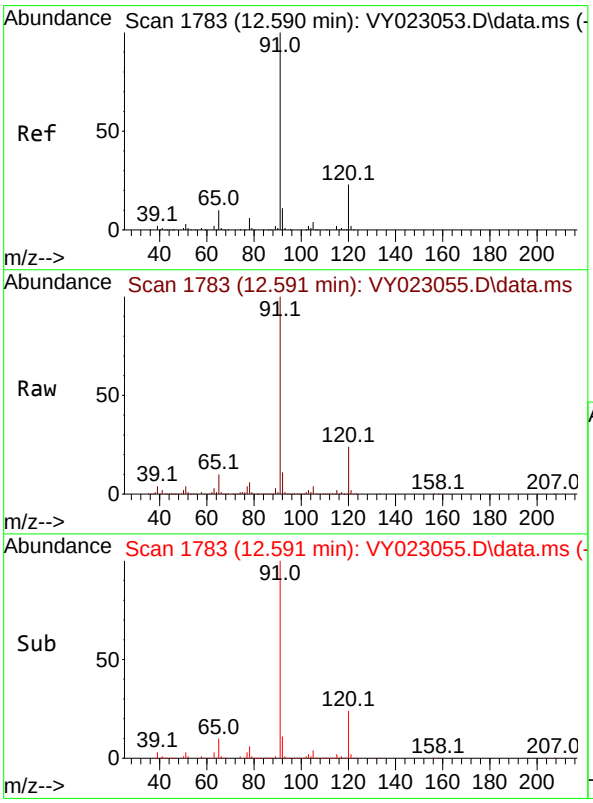
#77
Bromobenzene
Concen: 155.568 ug/l
RT: 12.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 1021449

Ion	Ratio	Lower	Upper
156	100		
77	174.8	88.1	264.4
158	97.0	48.0	144.0

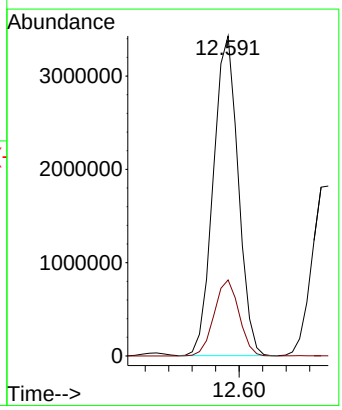


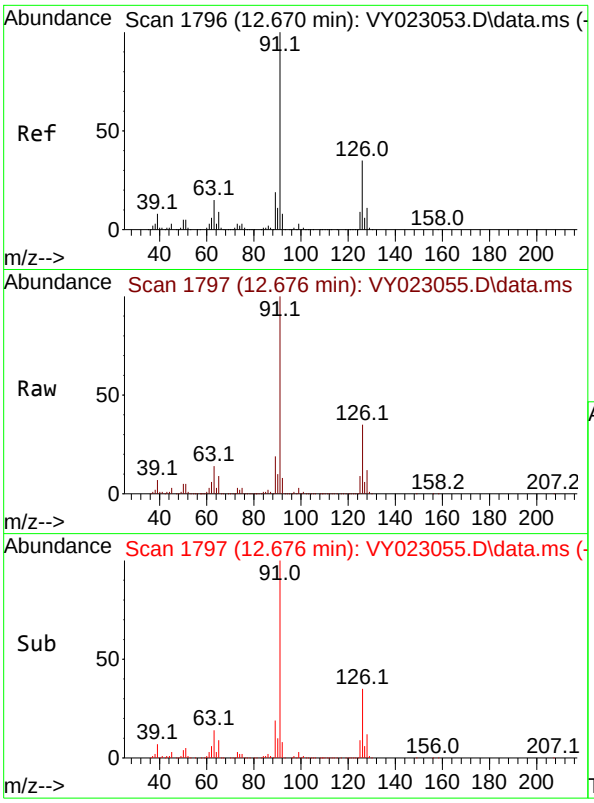


#78
n-propylbenzene
Concen: 154.058 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 5048012

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.5	34.5



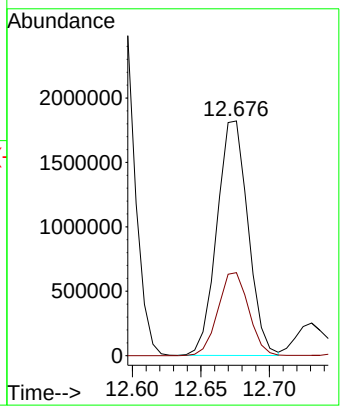


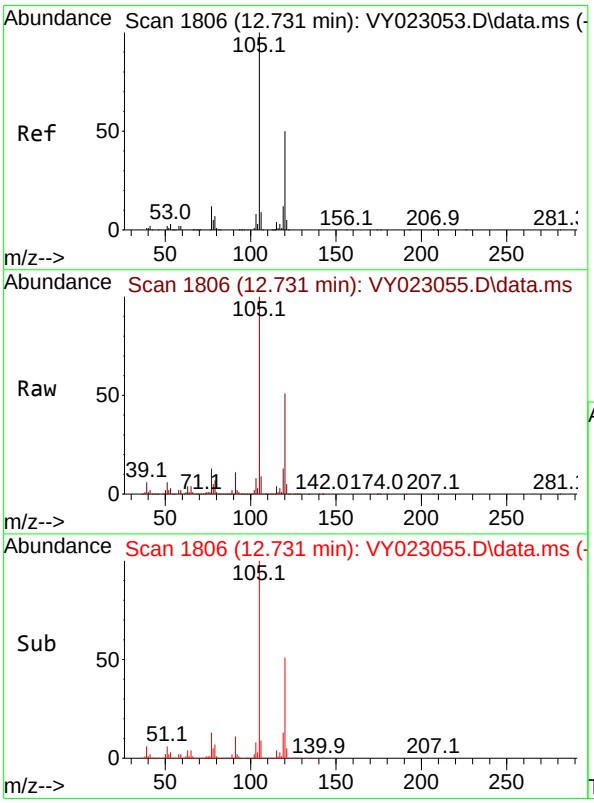
#79
2-Chlorotoluene
Concen: 153.331 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2878647

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3

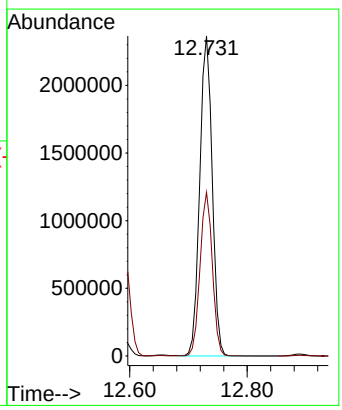


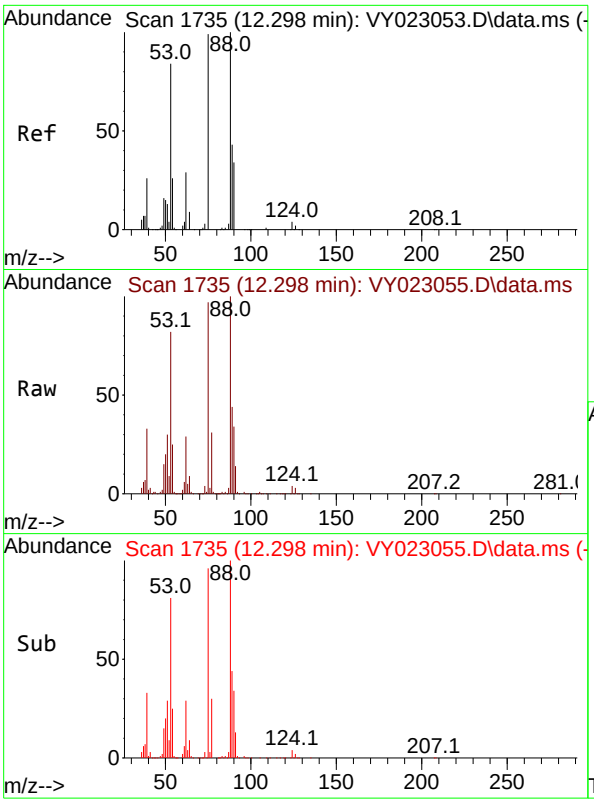


#80
1,3,5-Trimethylbenzene
Concen: 155.973 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 3469329

Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.8	74.4



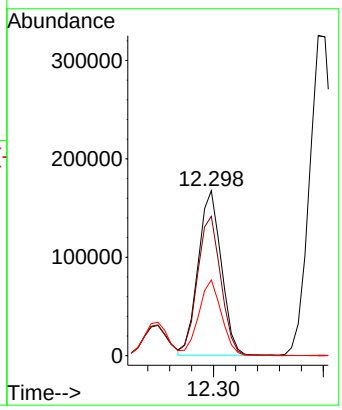


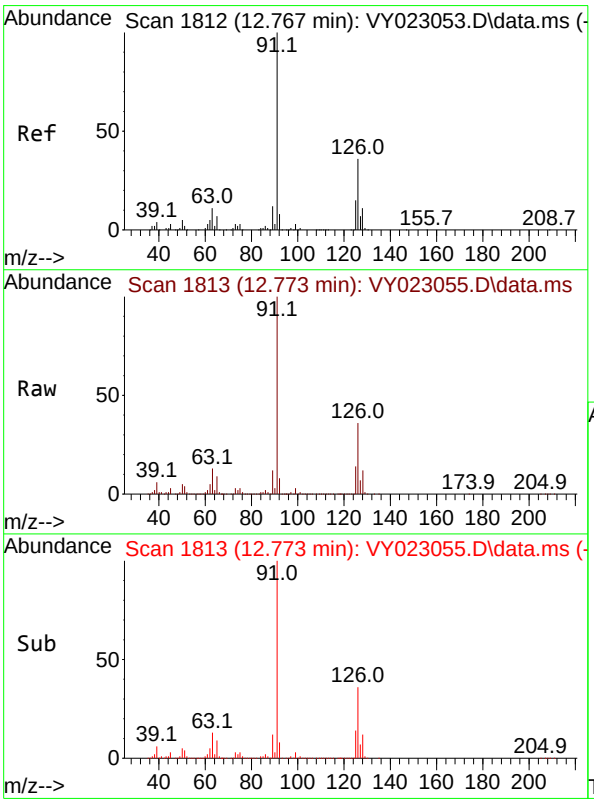
#81
trans-1,4-Dichloro-2-butene
Concen: 158.203 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 245958

Ion	Ratio	Lower	Upper
75	100		
53	85.9	70.8	106.2
89	45.5	38.1	57.1

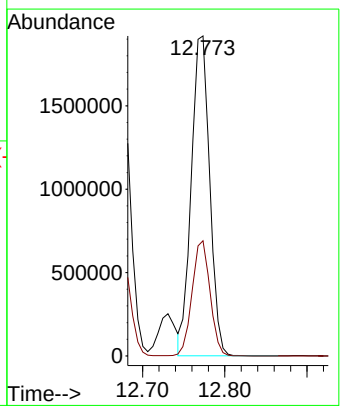


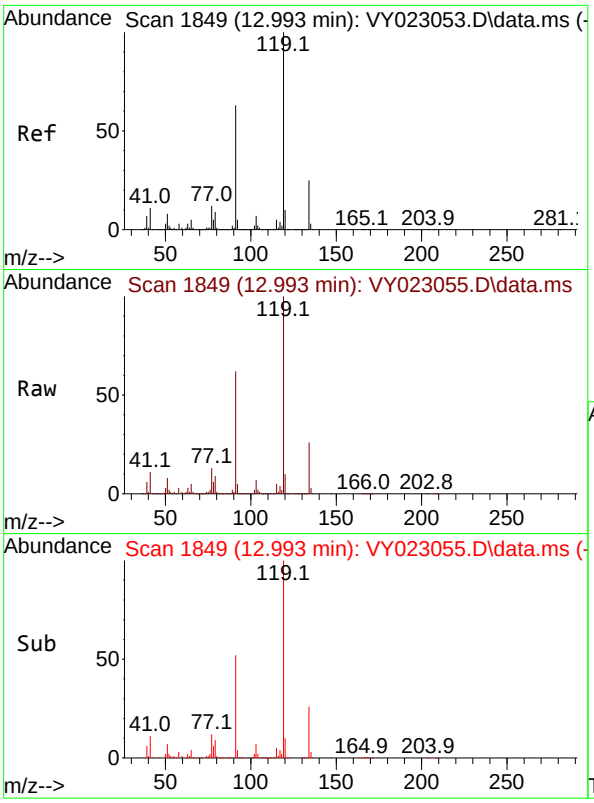


#82
4-Chlorotoluene
Concen: 153.063 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 2981042

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	52.0



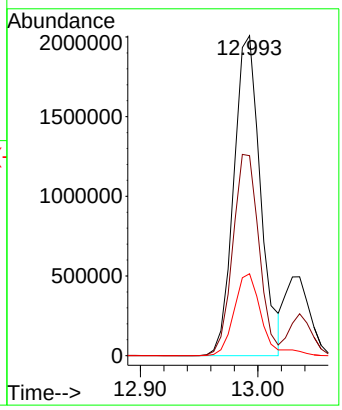


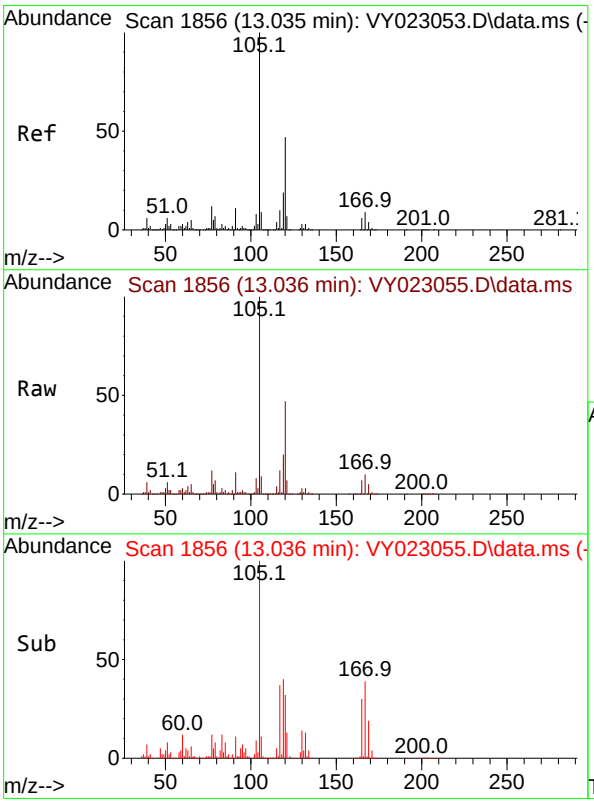
#83
tert-Butylbenzene
Concen: 157.371 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 3161475

Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.6	94.8
134	26.4	12.9	38.7

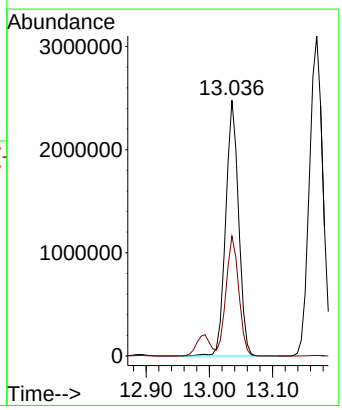


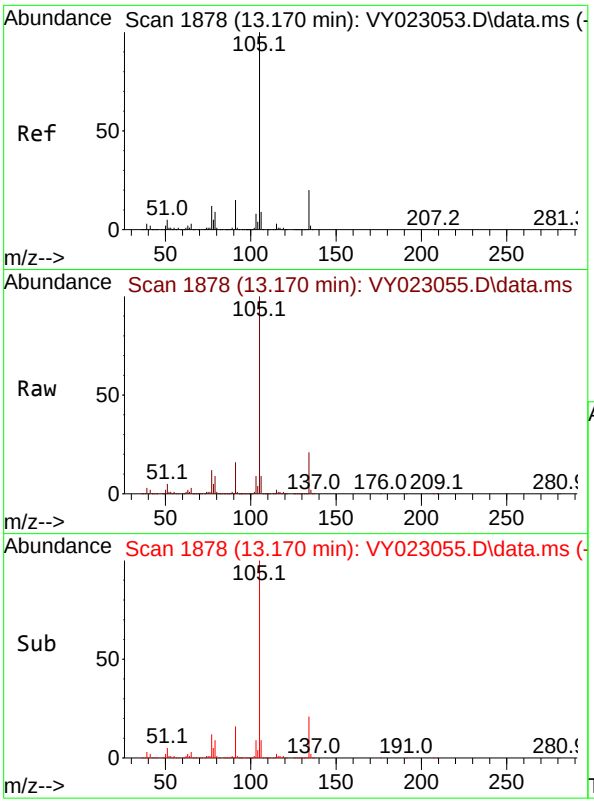


#84
1,2,4-Trimethylbenzene
Concen: 158.143 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 3501626

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0



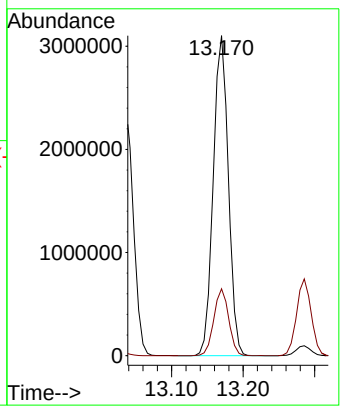


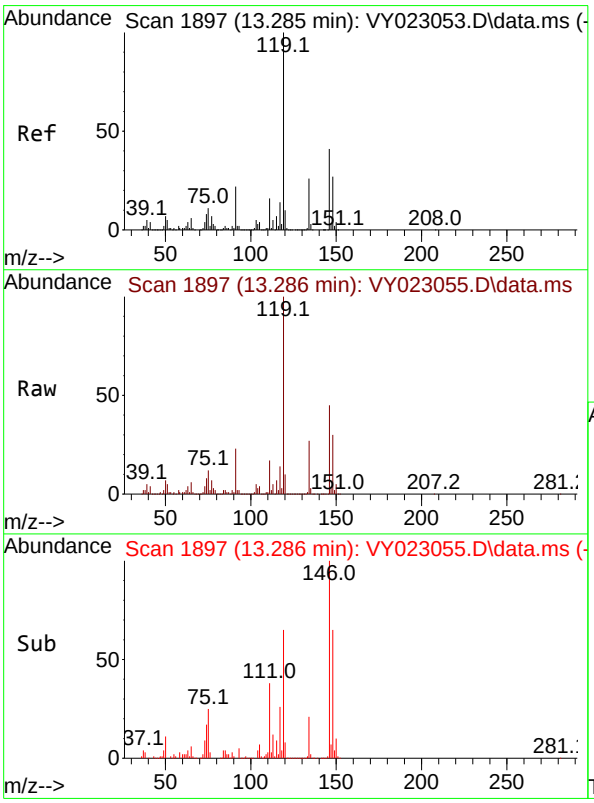
#85
sec-Butylbenzene
Concen: 153.897 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 4541629

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.2	30.4

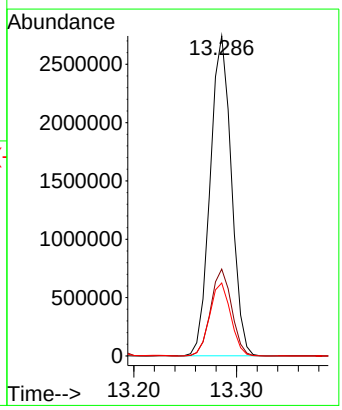


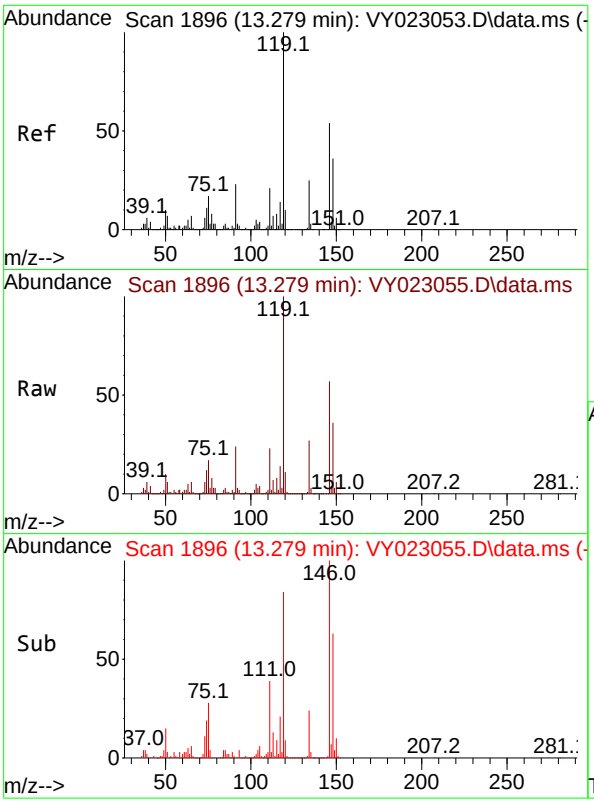


#86
p-Isopropyltoluene
Concen: 159.987 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:119 Resp: 3918969

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.2	39.6
91	22.6	11.3	33.8



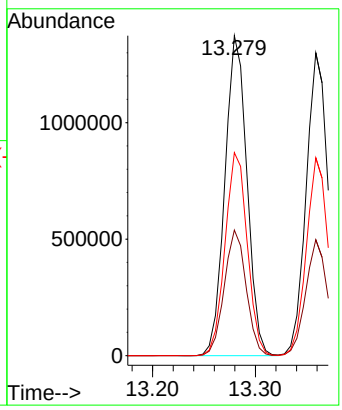


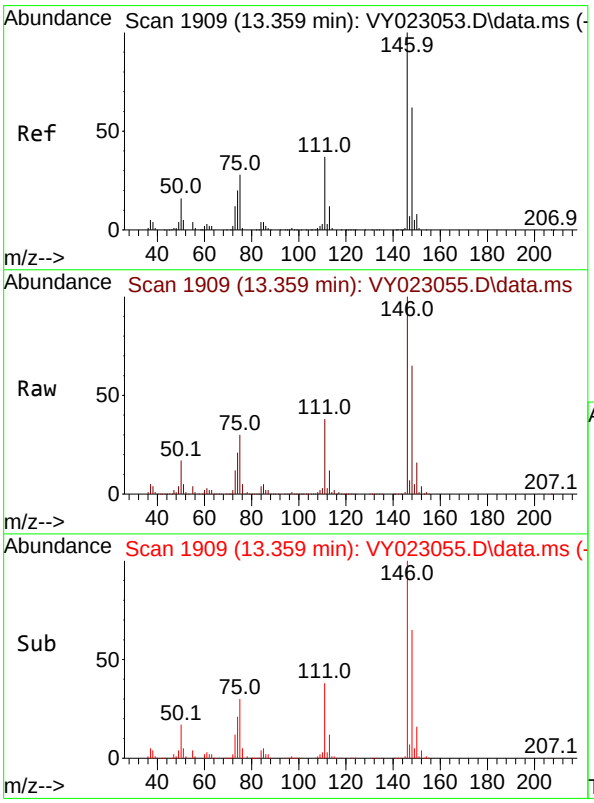
#87
1,3-Dichlorobenzene
Concen: 158.251 ug/l
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 2049060

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.8	32.5	97.5

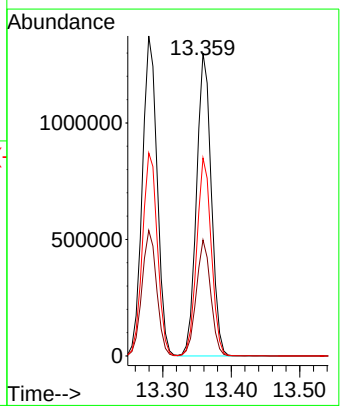


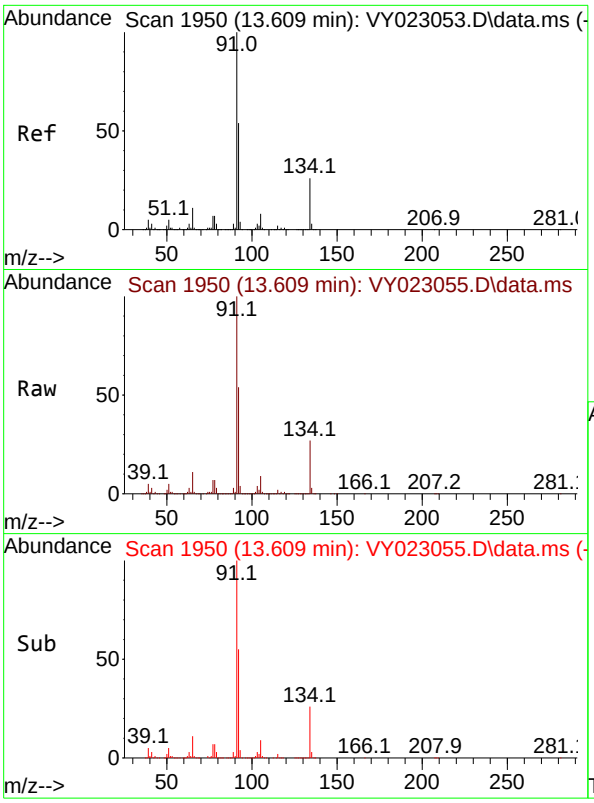


#88
1,4-Dichlorobenzene
Concen: 151.172 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:146 Resp: 1941716

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	64.7	31.6	94.7



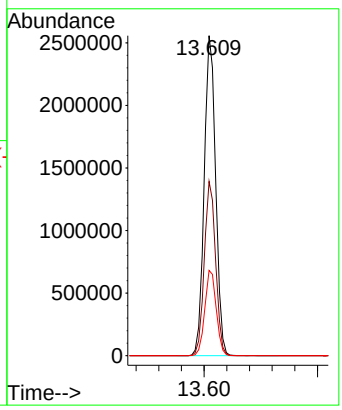


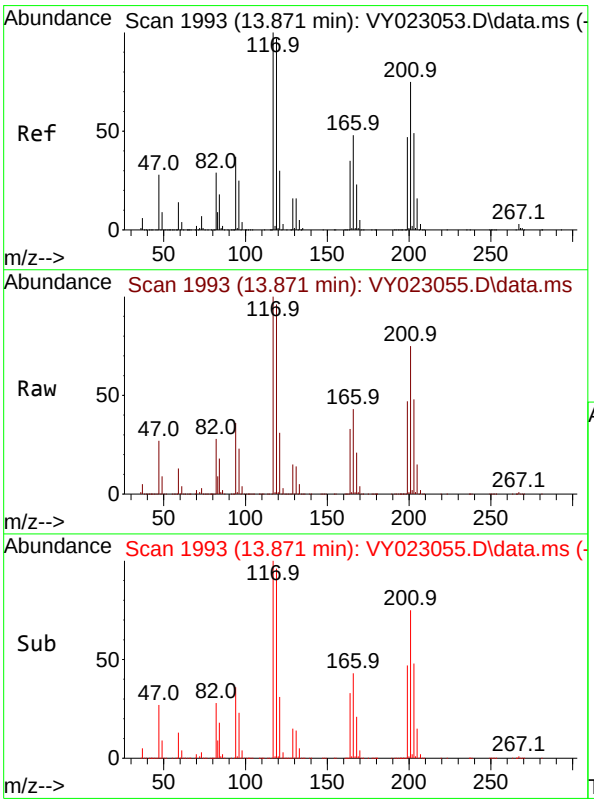
#89
n-Butylbenzene
Concen: 159.048 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 3578272

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.7
134	26.7	13.2	39.5

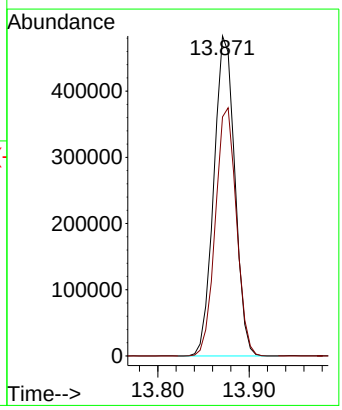


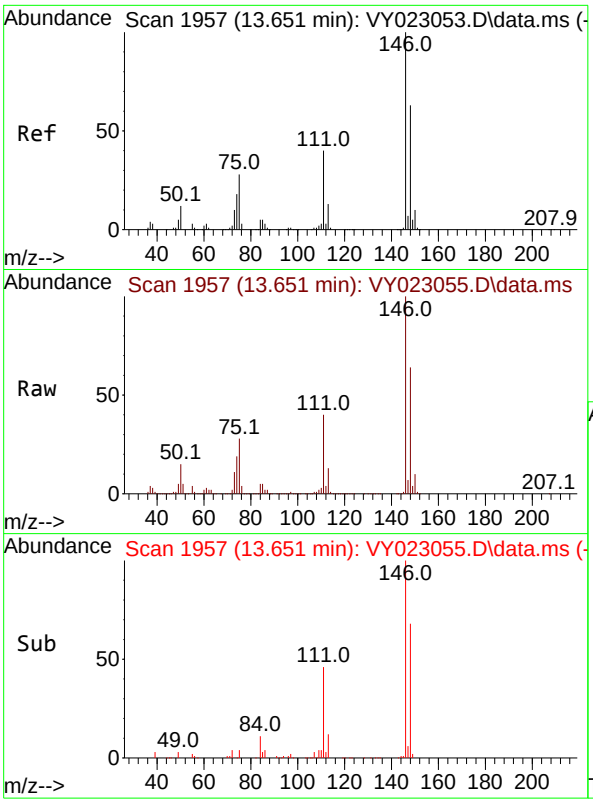


#90
Hexachloroethane
Concen: 154.073 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:117 Resp: 772603

Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.4	115.1



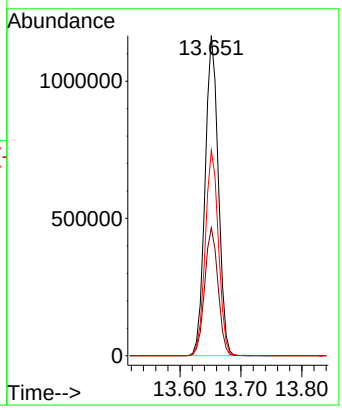


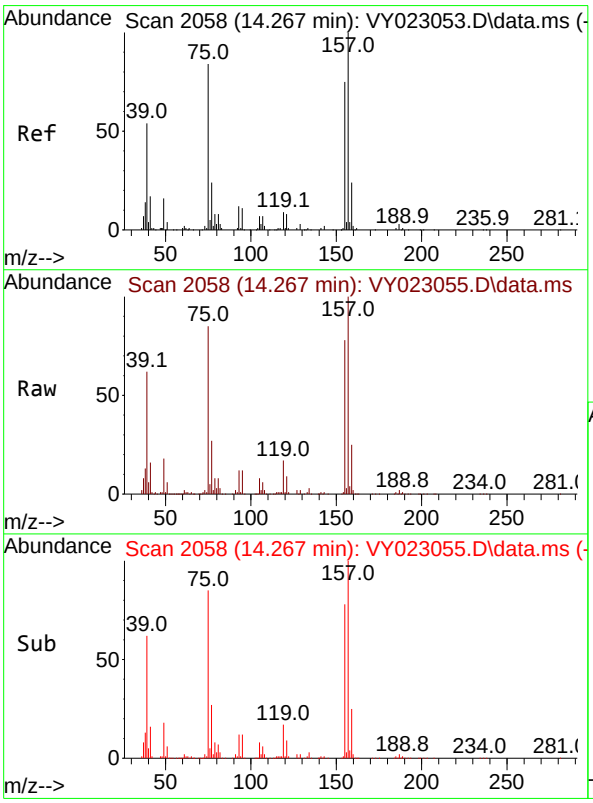
#91
1,2-Dichlorobenzene
Concen: 154.469 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 1754100

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	64.2	32.2	96.6

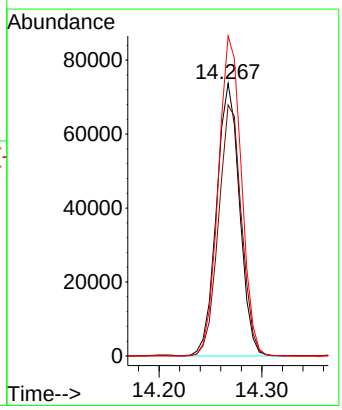


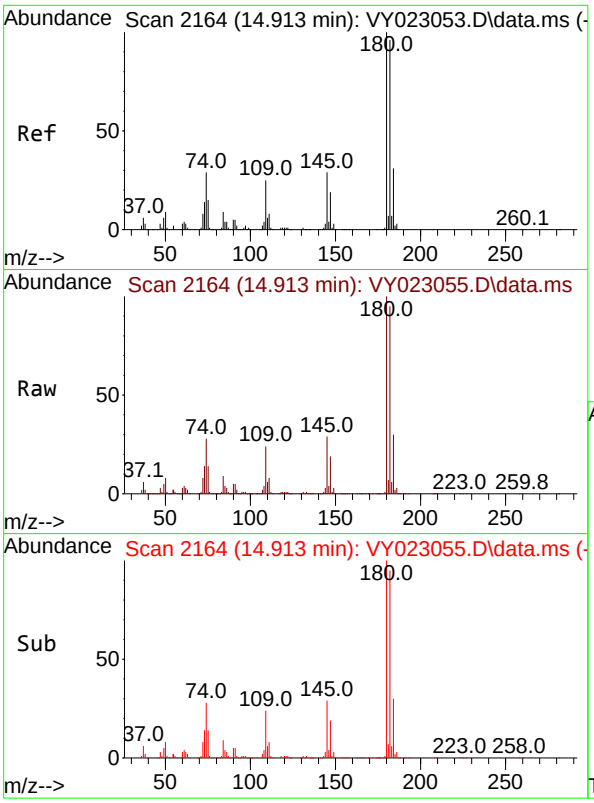


#92
1,2-Dibromo-3-Chloropropane
Concen: 156.498 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 114505

Ion	Ratio	Lower	Upper
75	100		
155	91.8	43.9	131.6
157	117.9	57.2	171.6



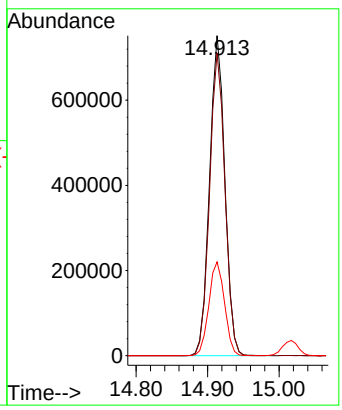


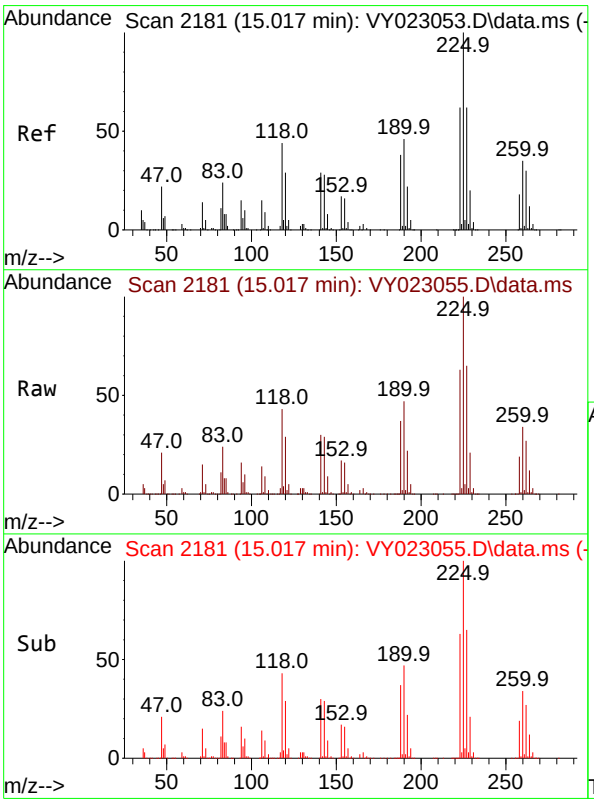
#93
1,2,4-Trichlorobenzene
Concen: 166.397 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 1117401

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.8	140.4
145	30.0	14.4	43.4

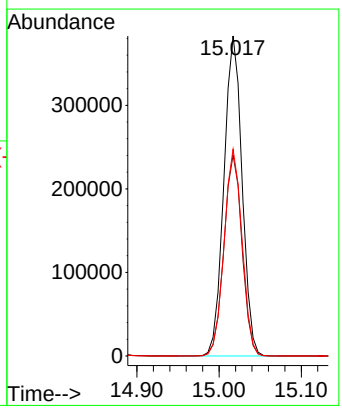


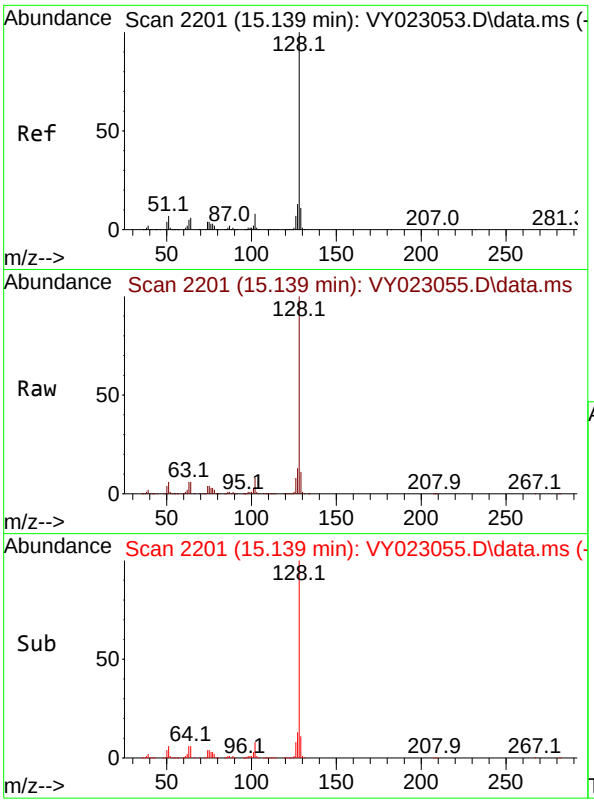


#94
Hexachlorobutadiene
Concen: 149.352 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:225 Resp: 589351

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	63.8	31.5	94.5



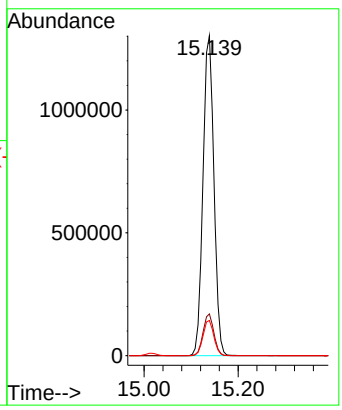


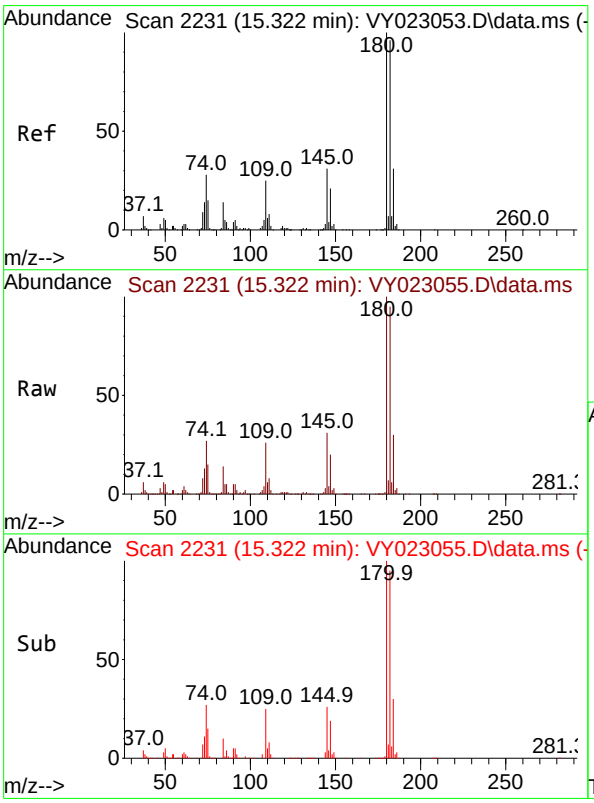
#95
Naphthalene
Concen: 182.954 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 2094983

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	9.0	13.4

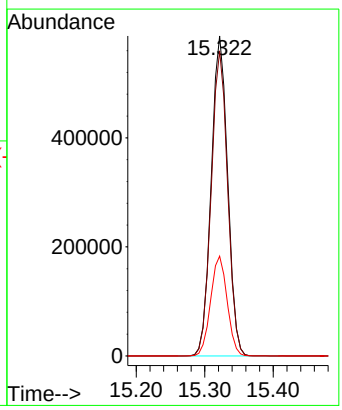




#96
1,2,3-Trichlorobenzene
Concen: 168.557 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:180 Resp: 975366

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	31.4	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	528657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	849851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	756555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	376990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	252116	50.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.628	113	255171	50.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.360%			
50) Toluene-d8	10.103	98	979510	49.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.402	95	329022	51.500	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	179421	41.579	ug/l	99
3) Chloromethane	2.068	50	340600	48.732	ug/l	100
4) Vinyl Chloride	2.202	62	416413	48.198	ug/l	99
5) Bromomethane	2.592	94	303147	46.983	ug/l	98
6) Chloroethane	2.733	64	281008	48.923	ug/l	99
7) Trichlorofluoromethane	3.050	101	493782	47.003	ug/l	100
8) Diethyl Ether	3.452	74	132818	47.787	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	247351	47.725	ug/l	99
10) Methyl Iodide	4.001	142	287126	51.340	ug/l	99
11) Tert butyl alcohol	4.860	59	84906	245.940	ug/l	98
12) 1,1-Dichloroethene	3.787	96	242931	47.686	ug/l	95
13) Acrolein	3.647	56	112246	222.008	ug/l	98
14) Allyl chloride	4.379	41	354691	47.317	ug/l	99
15) Acrylonitrile	5.055	53	274329	242.779	ug/l	99
16) Acetone	3.867	43	229985	210.695	ug/l	96
17) Carbon Disulfide	4.104	76	779852	46.948	ug/l	99
18) Methyl Acetate	4.385	43	168821	51.972	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	658713	49.899	ug/l	100
20) Methylene Chloride	4.610	84	283386	49.960	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	279182	48.765	ug/l	98
22) Diisopropyl ether	6.019	45	814622	50.011	ug/l	97
23) Vinyl Acetate	5.958	43	2182924	242.360	ug/l	100
24) 1,1-Dichloroethane	5.915	63	483509	48.551	ug/l	100
25) 2-Butanone	6.890	43	341490	230.028	ug/l	99
26) 2,2-Dichloropropane	6.884	77	390777	45.475	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	322451	48.720	ug/l	99
28) Bromochloromethane	7.238	49	198640	50.275	ug/l	100
29) Tetrahydrofuran	7.262	42	227680	247.420	ug/l	100
30) Chloroform	7.421	83	497627	48.450	ug/l	97
31) Cyclohexane	7.695	56	436638	46.526	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	445943	48.933	ug/l	100
36) 1,1-Dichloropropene	7.829	75	364210	48.193	ug/l	99
37) Ethyl Acetate	6.982	43	157530	49.621	ug/l	99
38) Carbon Tetrachloride	7.817	117	394245	48.030	ug/l	99
39) Methylcyclohexane	9.103	83	493867	49.625	ug/l	98
40) Benzene	8.073	78	1128023	48.428	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	88437	48.269	ug/l		99
42) 1,2-Dichloroethane	8.152	62	291766	48.162	ug/l		100
43) Isopropyl Acetate	8.195	43	315013	49.094	ug/l		98
44) Trichloroethene	8.860	130	287745	47.803	ug/l		95
45) 1,2-Dichloropropane	9.140	63	262408	48.961	ug/l		98
46) Dibromomethane	9.225	93	149745	48.679	ug/l		99
47) Bromodichloromethane	9.420	83	391522	49.463	ug/l		98
48) Methyl methacrylate	9.219	41	155118	50.520	ug/l		99
49) 1,4-Dioxane	9.225	88	35050	971.749	ug/l		98
51) 4-Methyl-2-Pentanone	9.993	43	823949	248.943	ug/l		99
52) Toluene	10.164	92	724356	48.963	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	356228	49.699	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	415017	48.965	ug/l		97
55) 1,1,2-Trichloroethane	10.567	97	201146	48.867	ug/l		98
56) Ethyl methacrylate	10.432	69	267458	50.779	ug/l		99
57) 1,3-Dichloropropane	10.713	76	343649	49.228	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	678865	273.240	ug/l		100
59) 2-Hexanone	10.756	43	551743	244.812	ug/l		99
60) Dibromochloromethane	10.908	129	270536	49.810	ug/l		99
61) 1,2-Dibromoethane	11.012	107	190334	49.197	ug/l		100
64) Tetrachloroethene	10.640	164	307456	45.512	ug/l		98
65) Chlorobenzene	11.438	112	787799	48.275	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	270360	48.815	ug/l		99
67) Ethyl Benzene	11.512	91	1380648	49.163	ug/l		100
68) m/p-Xylenes	11.621	106	1080541	98.515	ug/l		99
69) o-Xylene	11.950	106	509991	49.645	ug/l		99
70) Styrene	11.963	104	852310	50.733	ug/l		99
71) Bromoform	12.127	173	157073	48.525	ug/l	#	98
73) Isopropylbenzene	12.249	105	1327070	49.876	ug/l		100
74) N-amyl acetate	12.066	43	285118	50.529	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	224206	49.350	ug/l		98
76) 1,2,3-Trichloropropane	12.548	75	294203	80.862	ug/l	#	100
77) Bromobenzene	12.524	156	311065	49.004	ug/l		99
78) n-propylbenzene	12.591	91	1610911	50.853	ug/l		100
79) 2-Chlorotoluene	12.676	91	905657	49.898	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1094902	50.916	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	74263	49.409	ug/l		98
82) 4-Chlorotoluene	12.774	91	932114	49.505	ug/l		100
83) tert-Butylbenzene	12.993	119	979692	50.443	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	1092616	51.042	ug/l		100
85) sec-Butylbenzene	13.170	105	1459437	51.154	ug/l		100
86) p-Isopropyltoluene	13.286	119	1222900	51.639	ug/l		100
87) 1,3-Dichlorobenzene	13.280	146	621371	49.639	ug/l		98
88) 1,4-Dichlorobenzene	13.359	146	602429	48.514	ug/l		99
89) n-Butylbenzene	13.609	91	1122189	51.594	ug/l		100
90) Hexachloroethane	13.871	117	245386	50.617	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	540506	49.234	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35428	50.085	ug/l		98
93) 1,2,4-Trichlorobenzene	14.913	180	320472	49.363	ug/l		99
94) Hexachlorobutadiene	15.017	225	184430	48.344	ug/l		99
95) Naphthalene	15.139	128	571480	51.623	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	272638	48.735	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

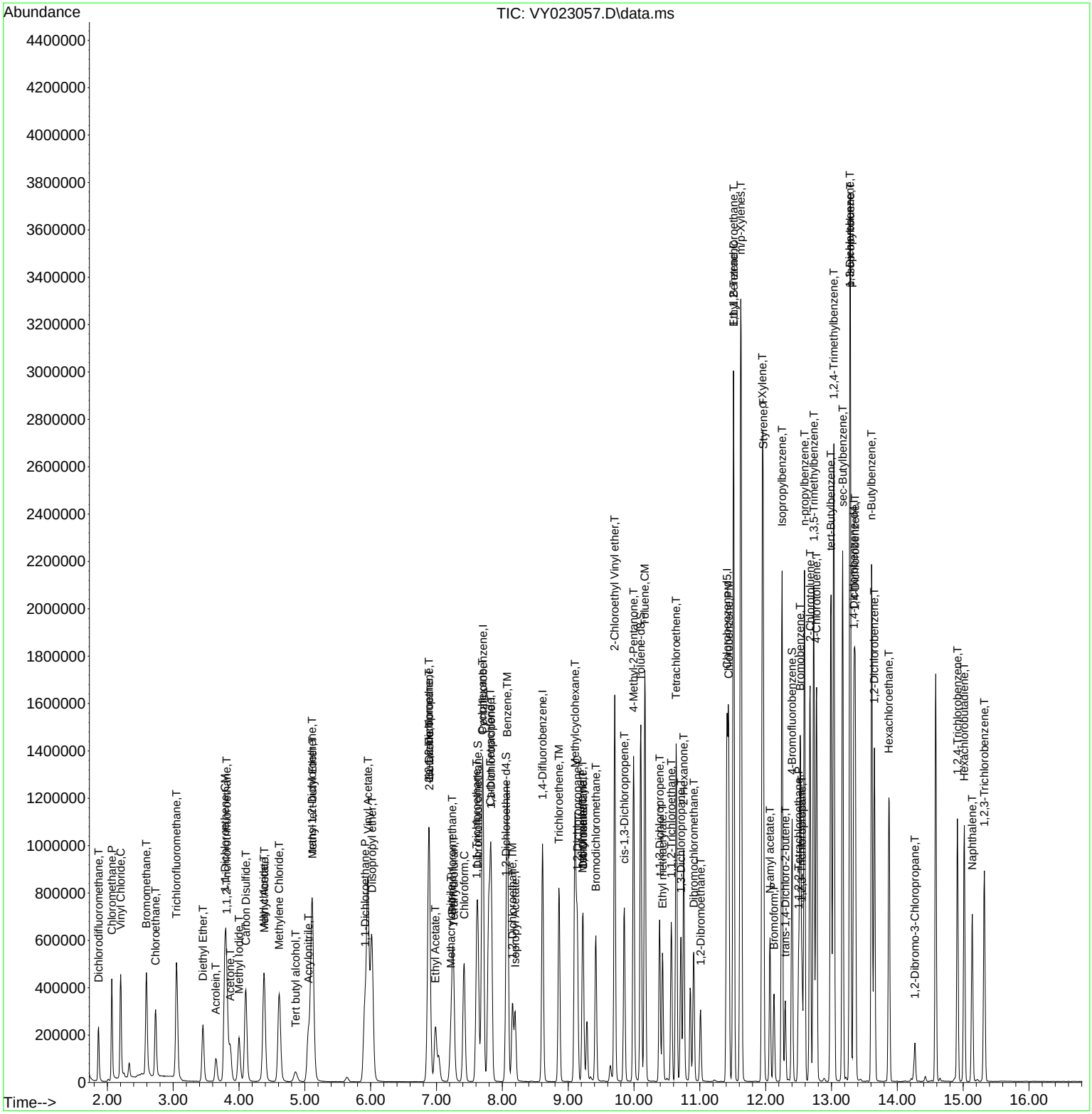
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

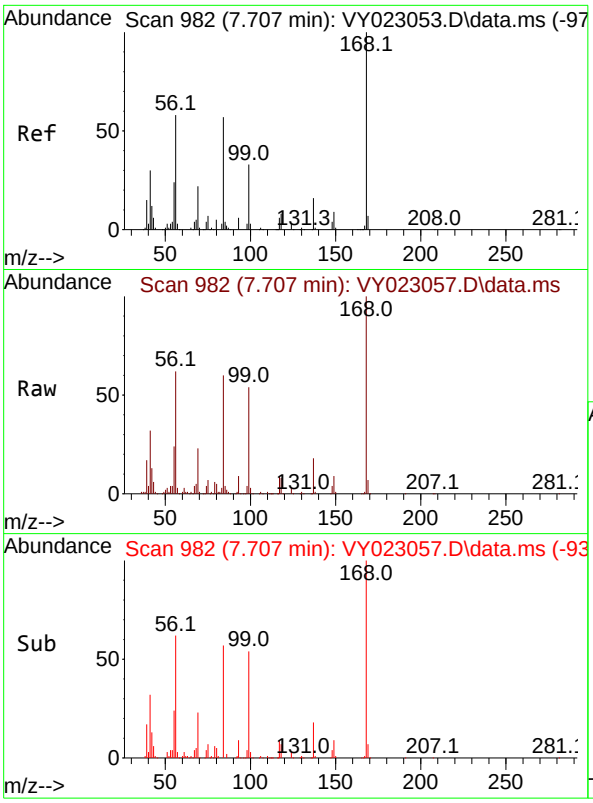
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



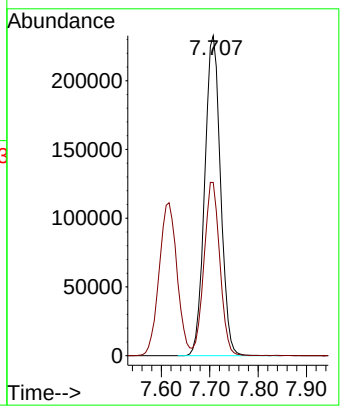


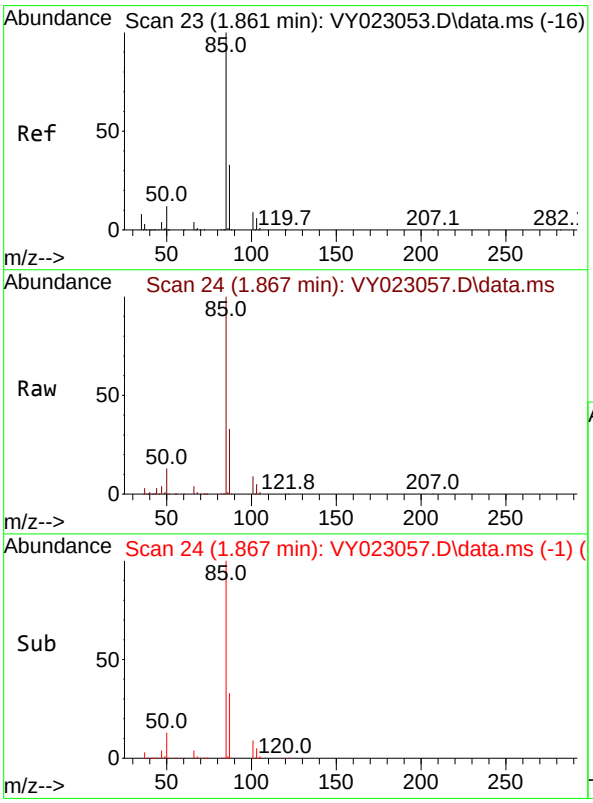
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:168 Resp: 528657

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2

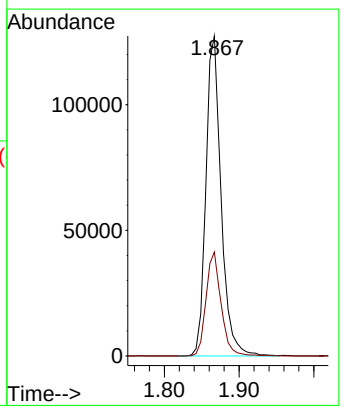


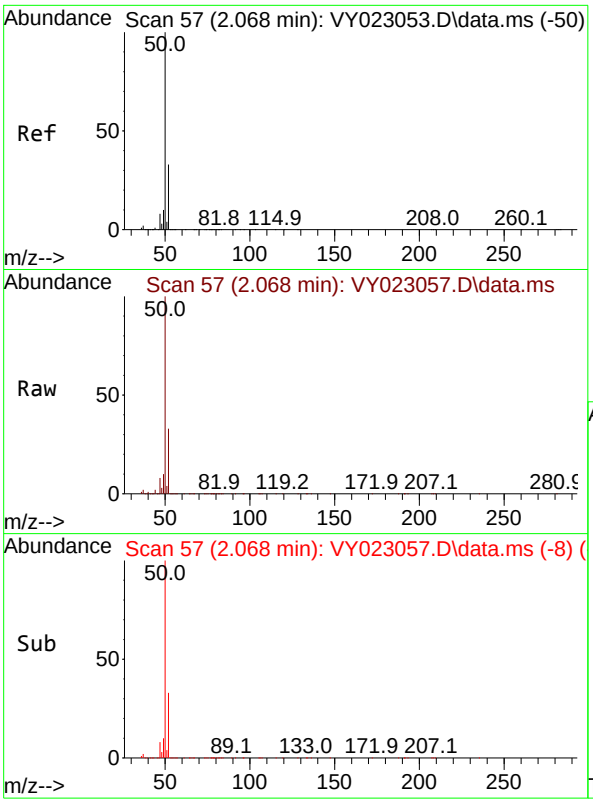


#2
Dichlorodifluoromethane
Concen: 41.579 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 85 Resp: 179421

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8



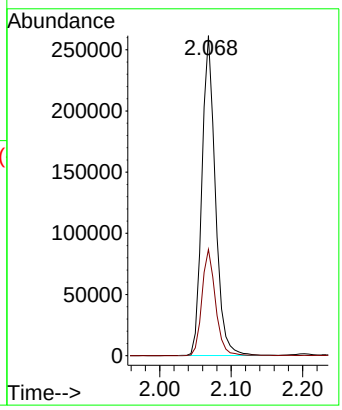


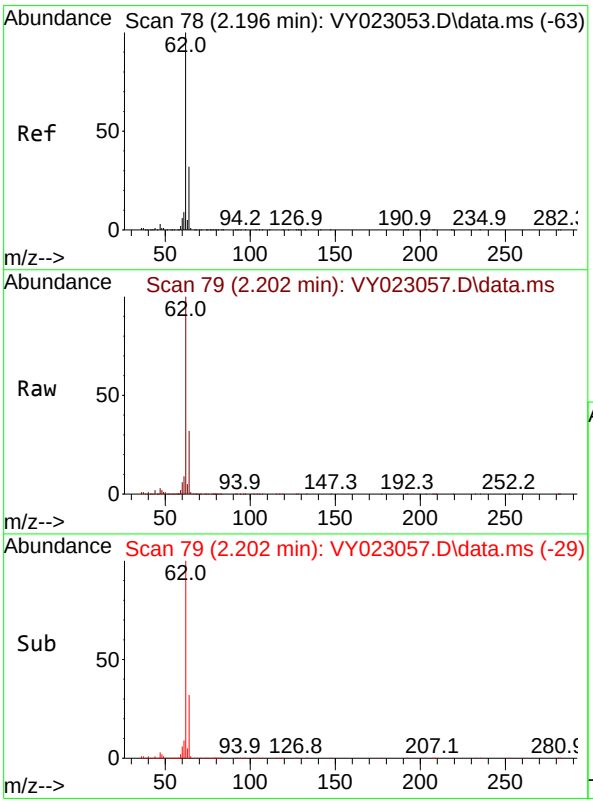
#3
Chloromethane
Concen: 48.732 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 50 Resp: 340600

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.7	40.1

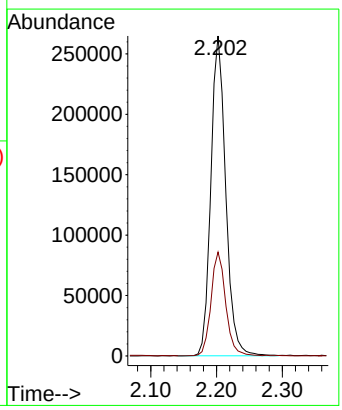


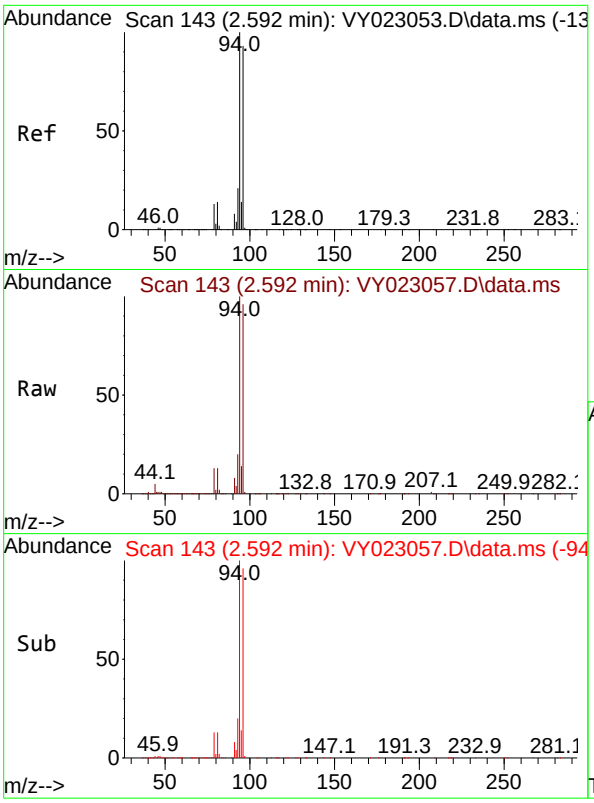


#4
Vinyl Chloride
Concen: 48.198 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 62 Resp: 416413

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.0



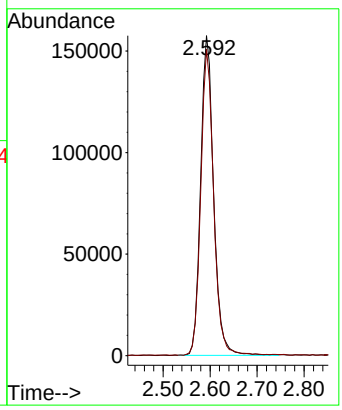


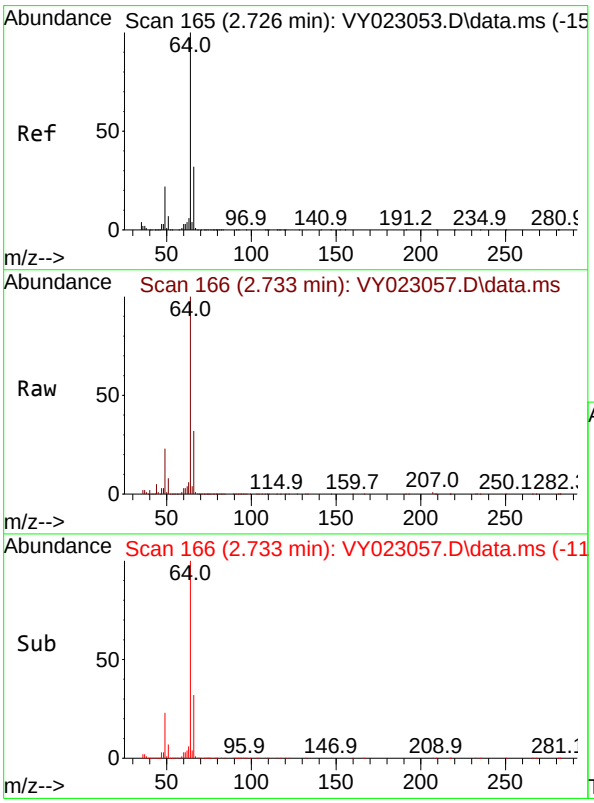
#5
Bromomethane
Concen: 46.983 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 94 Resp: 303147

Ion	Ratio	Lower	Upper
94	100		
96	95.7	74.6	112.0

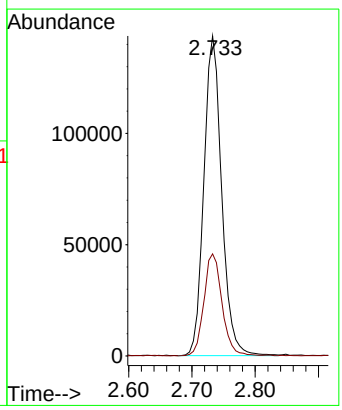


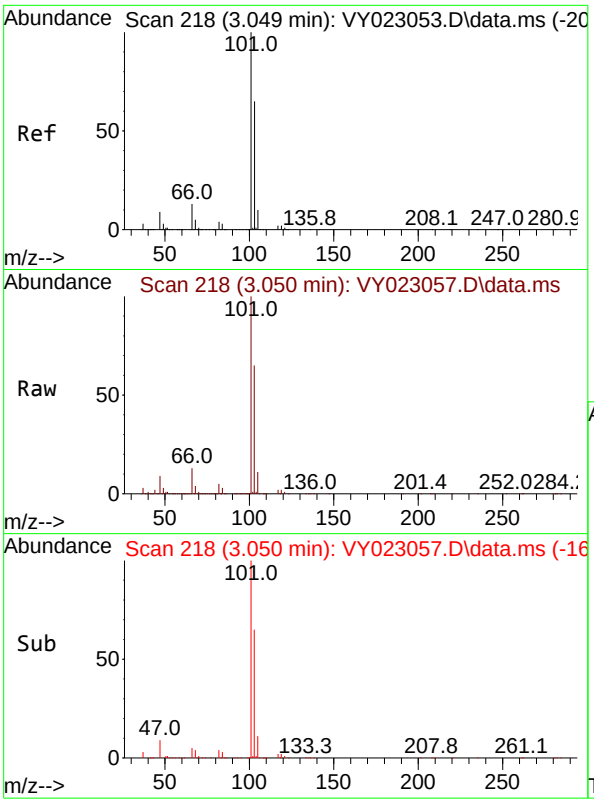


#6
Chloroethane
Concen: 48.923 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 64 Resp: 281008

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.8	38.6



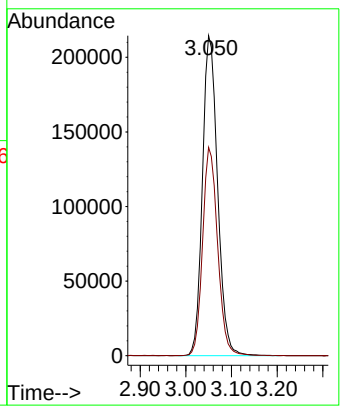


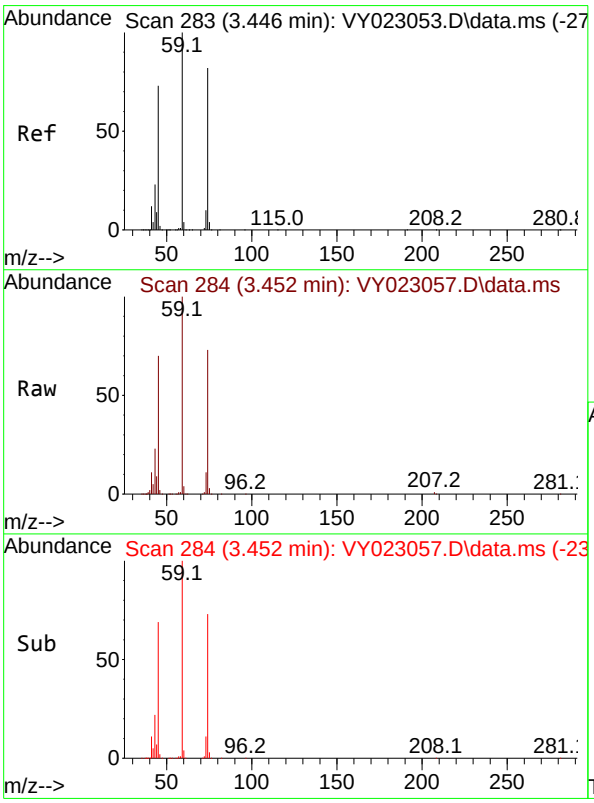
#7
Trichlorofluoromethane
Concen: 47.003 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:101 Resp: 493782

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.9	77.9

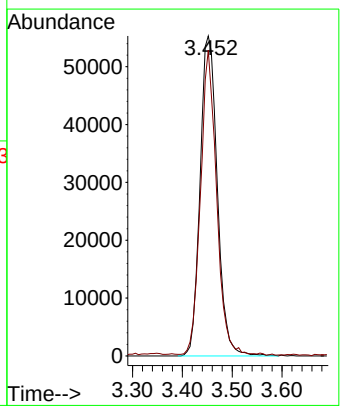


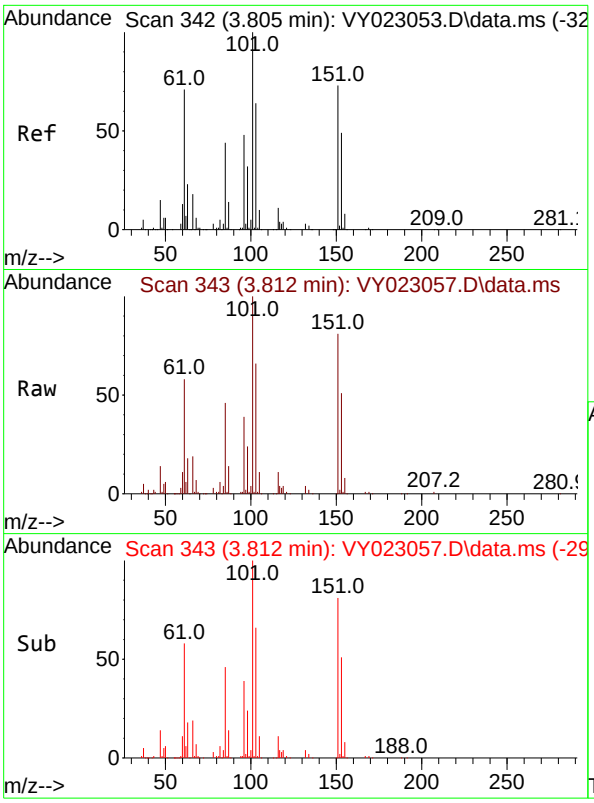


#8
Diethyl Ether
Concen: 47.787 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 74 Resp: 132818

Ion	Ratio	Lower	Upper
74	100		
45	88.1	44.4	133.2



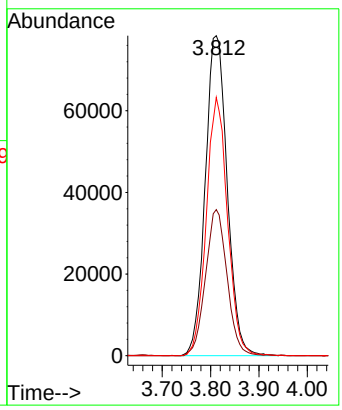


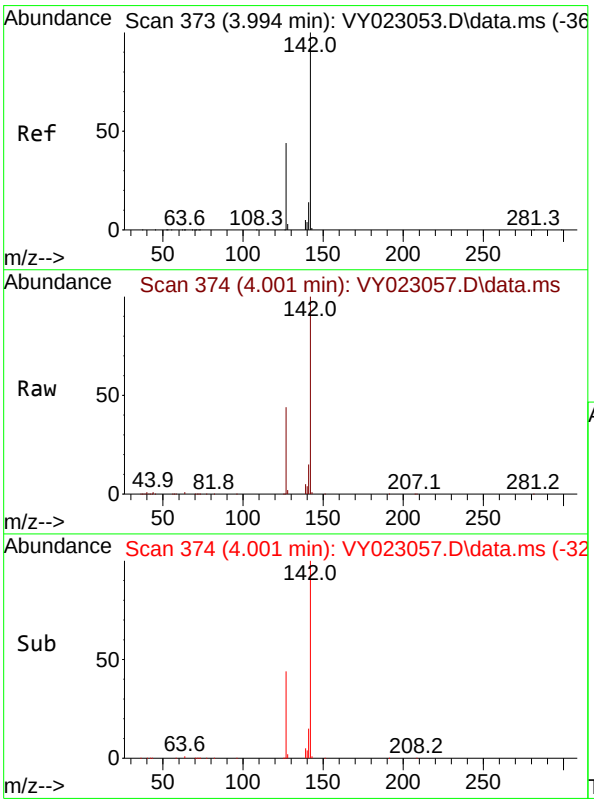
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.725 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:101 Resp: 247351

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.3	54.5
151	77.9	61.5	92.3

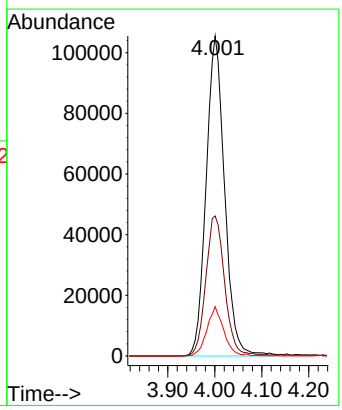


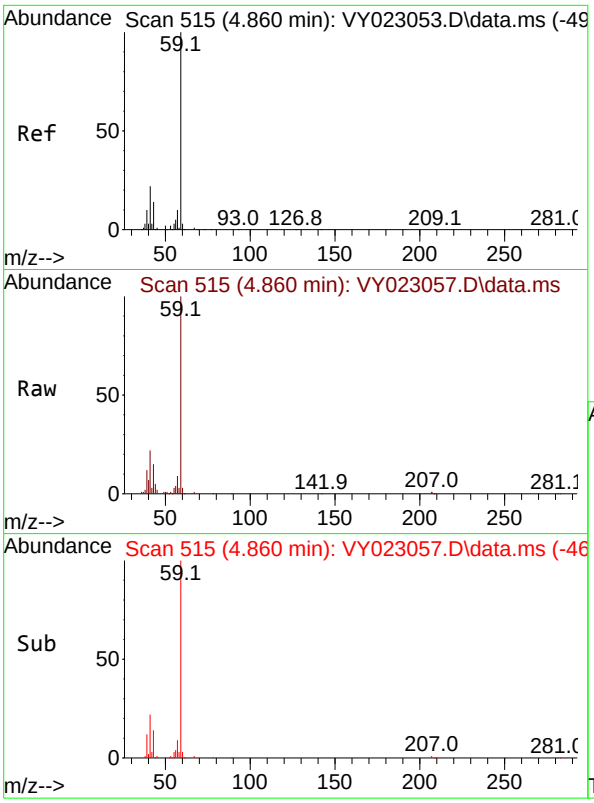


#10
Methyl Iodide
Concen: 51.340 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:142 Resp: 287126

Ion	Ratio	Lower	Upper
142	100		
127	44.8	34.9	52.3
141	14.1	11.3	16.9



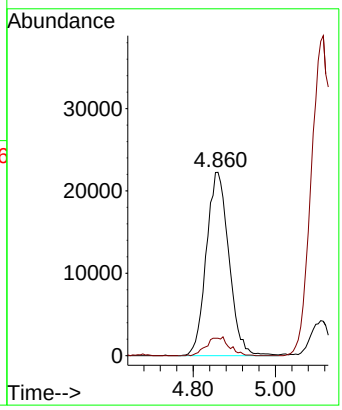


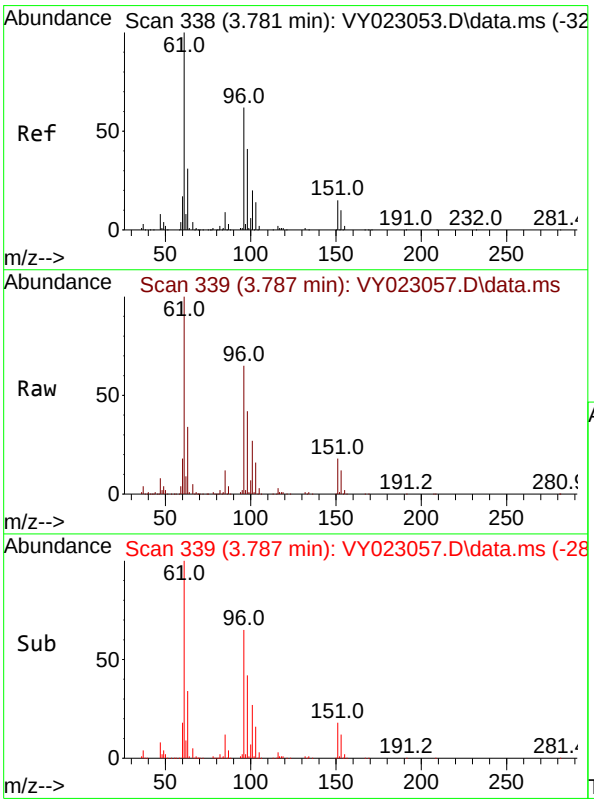
#11
Tert butyl alcohol
Concen: 245.940 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 59 Resp: 84906

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	13.0

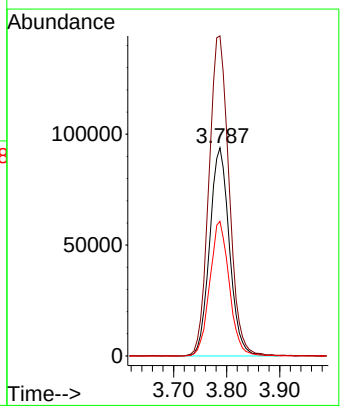


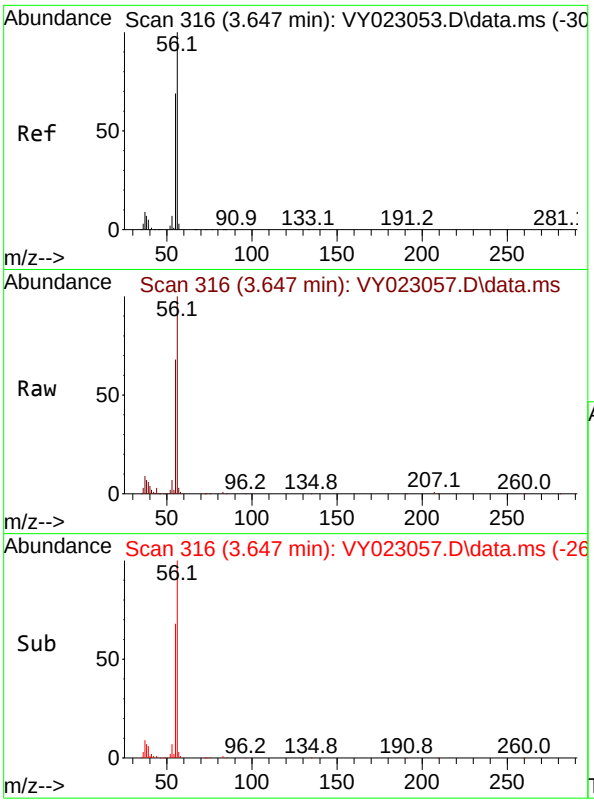


#12
1,1-Dichloroethene
Concen: 47.686 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 96 Resp: 242931

Ion	Ratio	Lower	Upper
96	100		
61	153.7	129.4	194.2
98	64.6	52.8	79.2



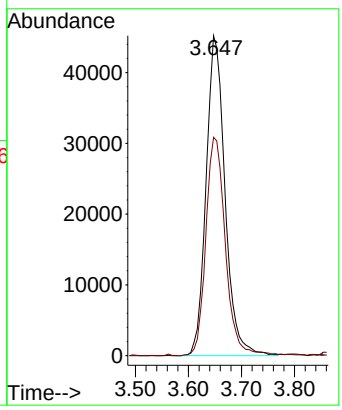


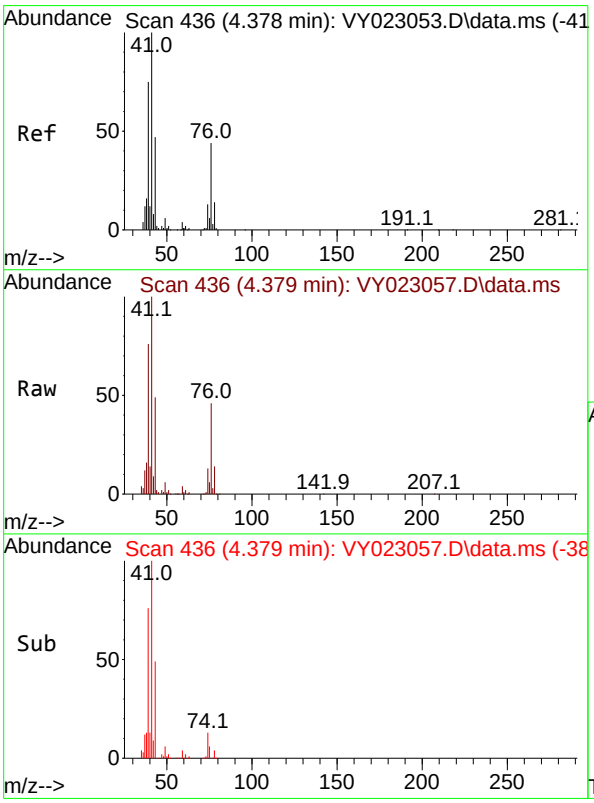
#13
Acrolein
Concen: 222.008 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 56 Resp: 112246

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.2	82.8

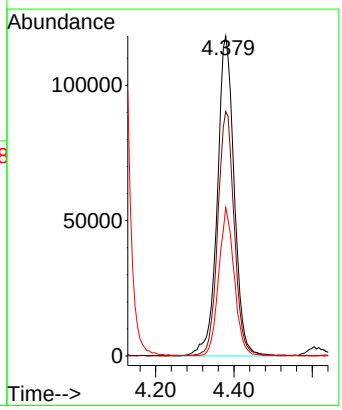


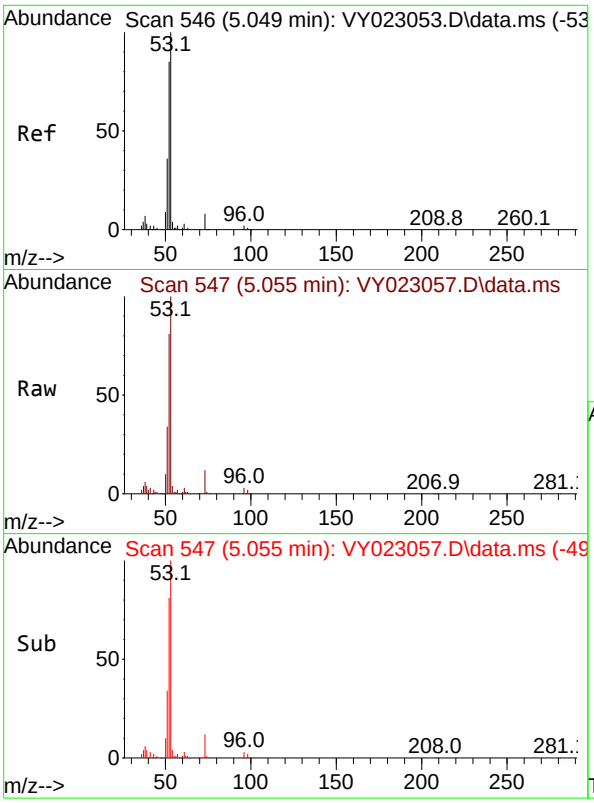


#14
Allyl chloride
Concen: 47.317 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 354691

Ion	Ratio	Lower	Upper
41	100		
39	74.2	59.8	89.6
76	42.7	33.7	50.5



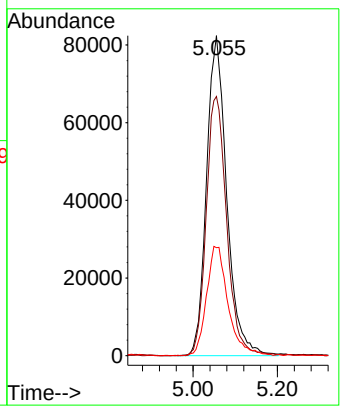


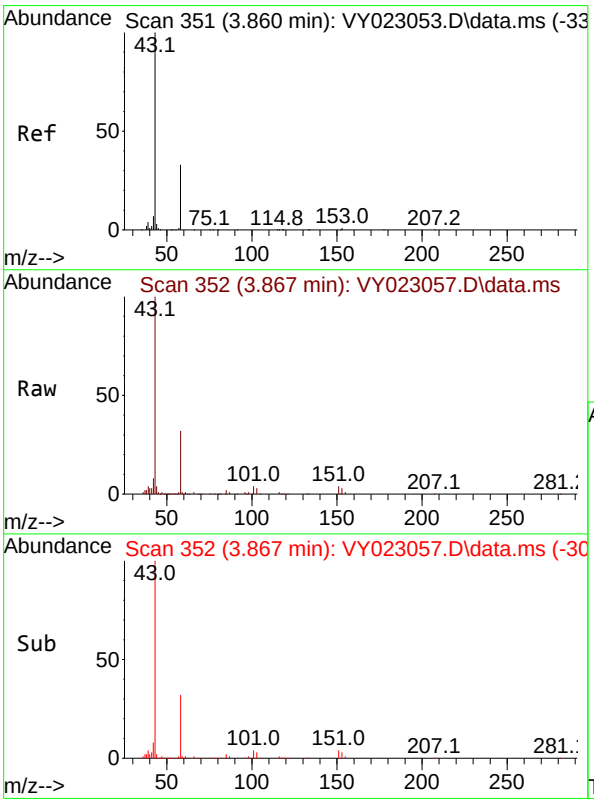
#15
Acrylonitrile
Concen: 242.779 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 53 Resp: 274329

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	36.5	29.5	44.3

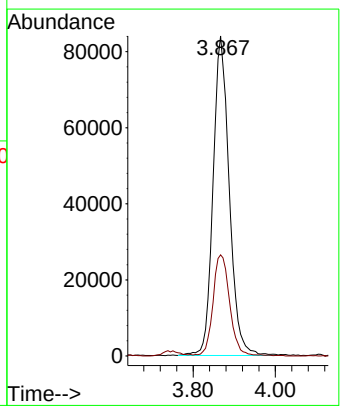


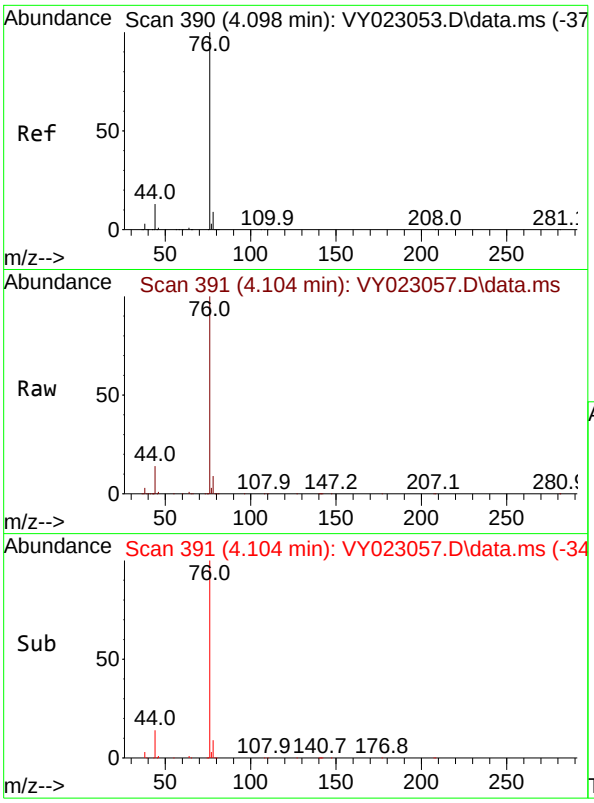


#16
Acetone
Concen: 210.695 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 229985

Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.1	40.7



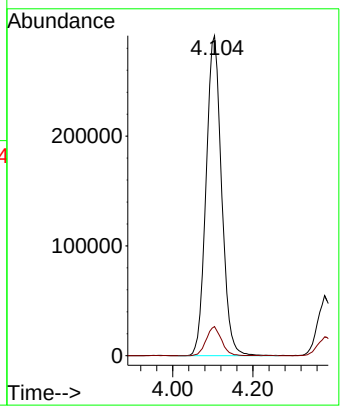


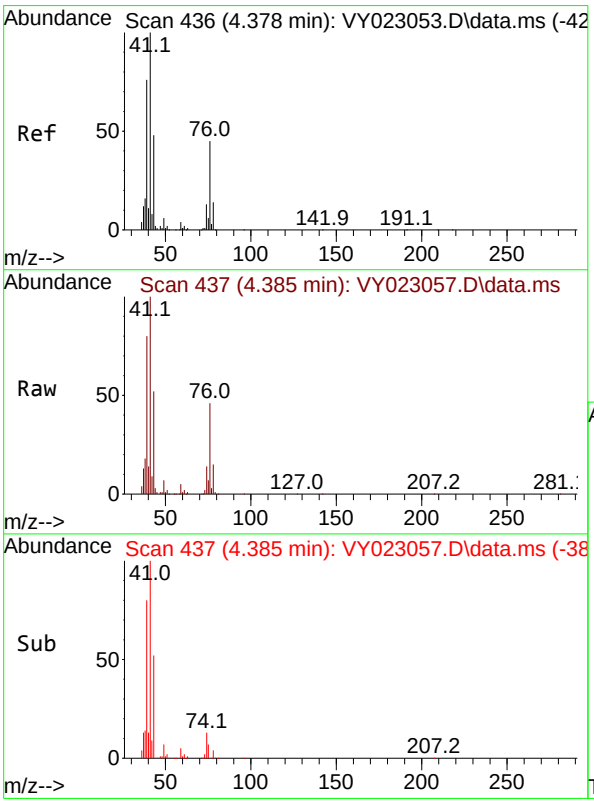
#17
Carbon Disulfide
Concen: 46.948 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 76 Resp: 779852

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

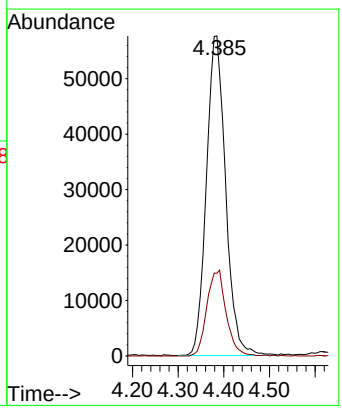


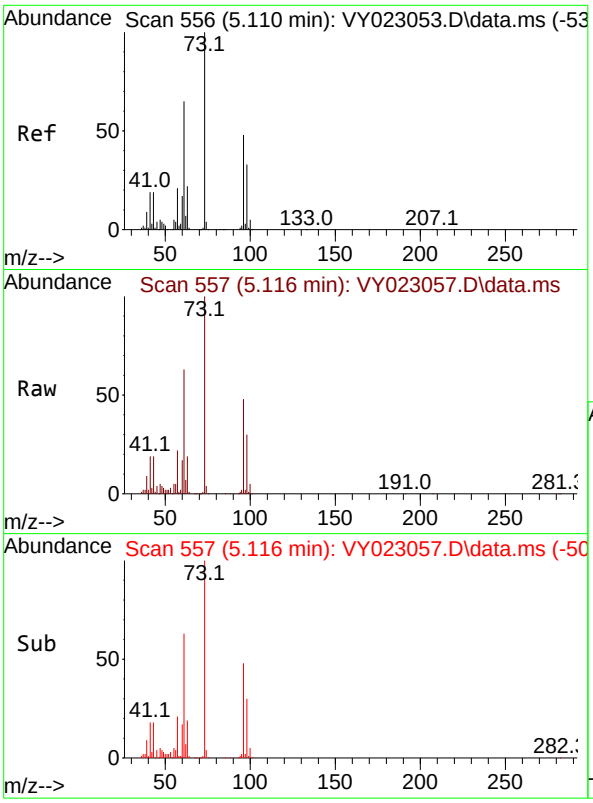


#18
Methyl Acetate
Concen: 51.972 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 168821

Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.2	31.8



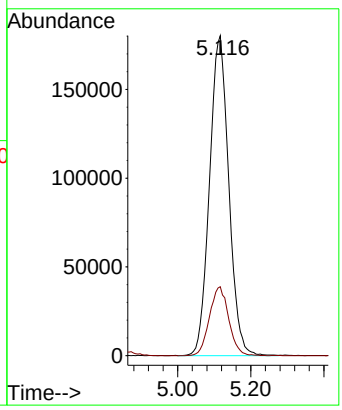


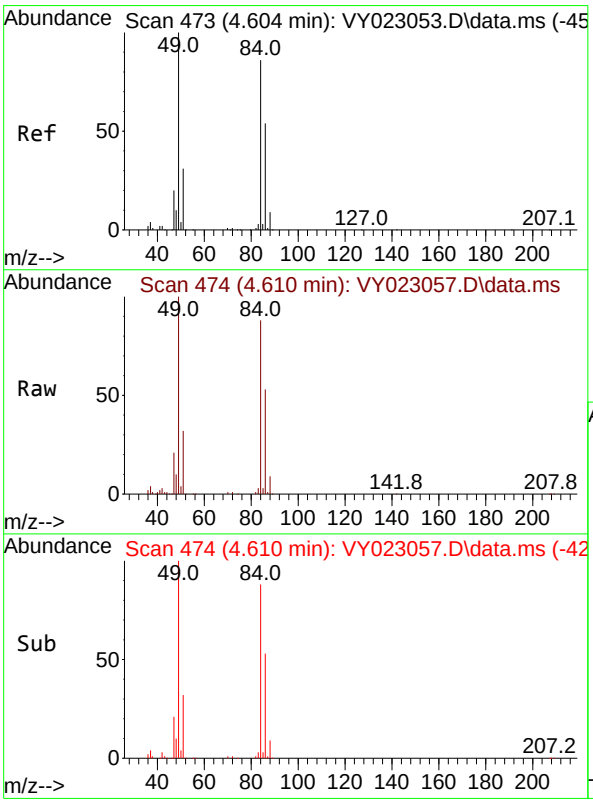
#19
Methyl tert-butyl Ether
Concen: 49.899 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 73 Resp: 658713

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.1	25.7

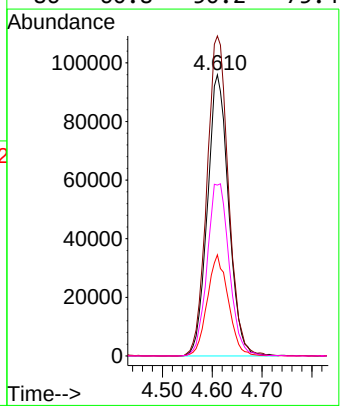


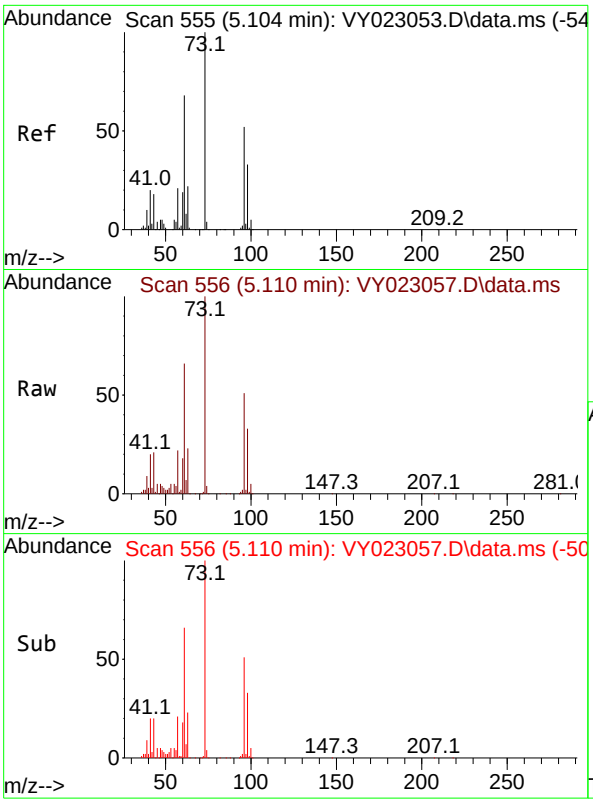


#20
Methylene Chloride
Concen: 49.960 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 84 Resp: 283386

Ion	Ratio	Lower	Upper
84	100		
49	113.8	93.0	139.6
51	36.0	29.0	43.4
86	60.8	50.2	75.4



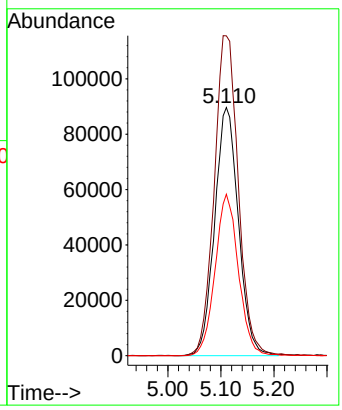


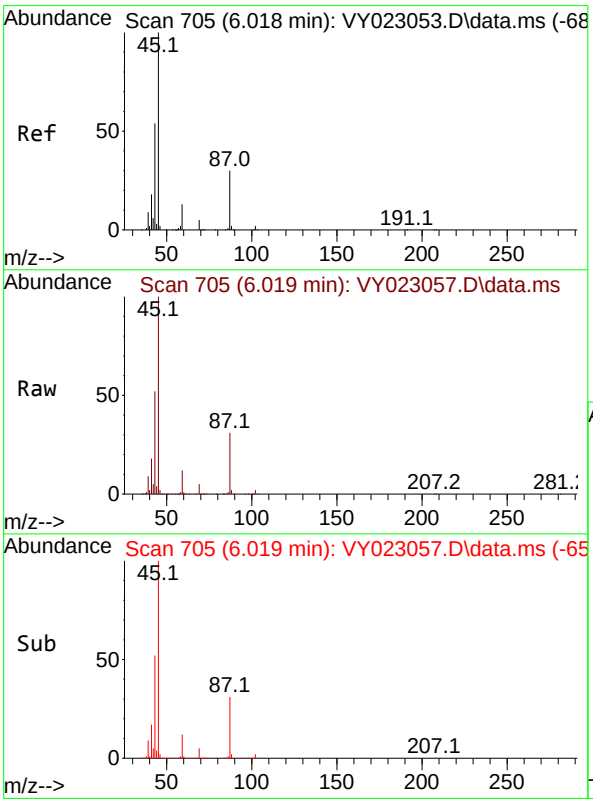
#21
trans-1,2-Dichloroethene
Concen: 48.765 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 96 Resp: 279182

Ion	Ratio	Lower	Upper
96	100		
61	128.9	104.8	157.2
98	65.0	50.1	75.1

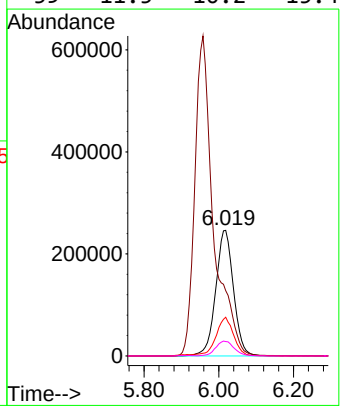


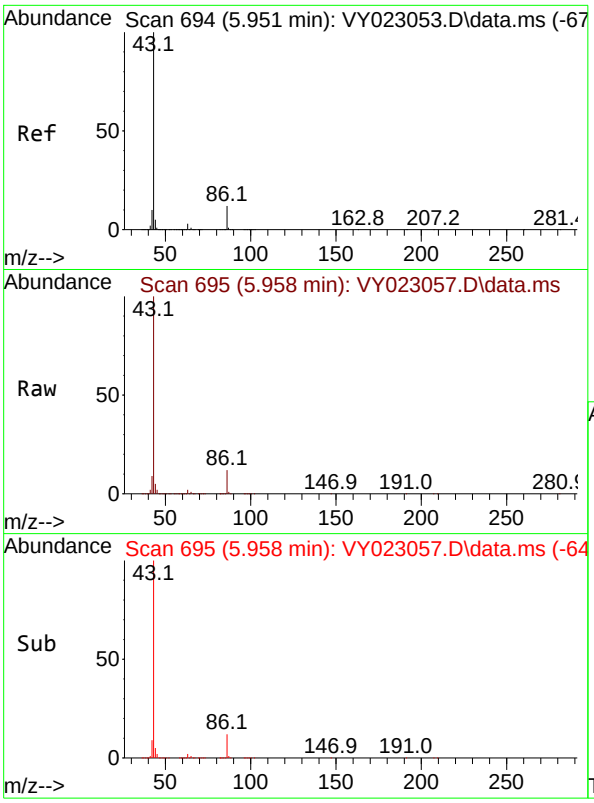


#22
Diisopropyl ether
Concen: 50.011 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 45 Resp: 814622

Ion	Ratio	Lower	Upper
45	100		
43	51.7	43.4	65.0
87	30.8	24.4	36.6
59	11.5	10.2	15.4



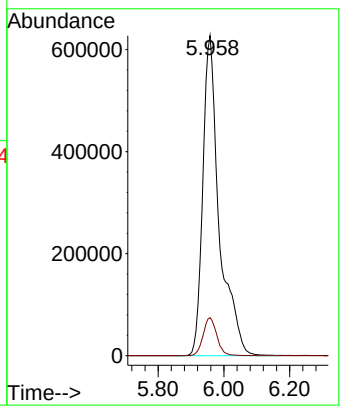


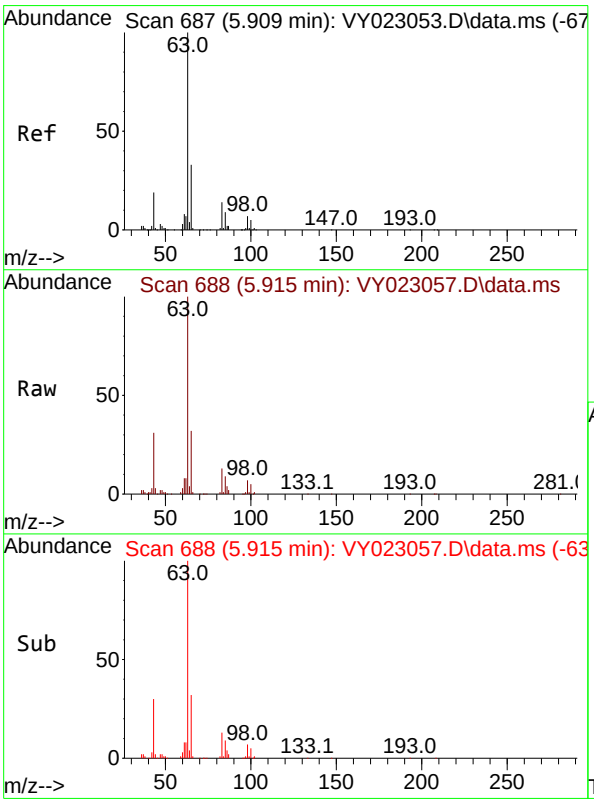
#23
Vinyl Acetate
Concen: 242.360 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 43 Resp: 2182924

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.6	14.4

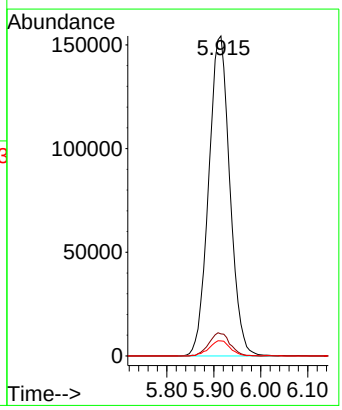


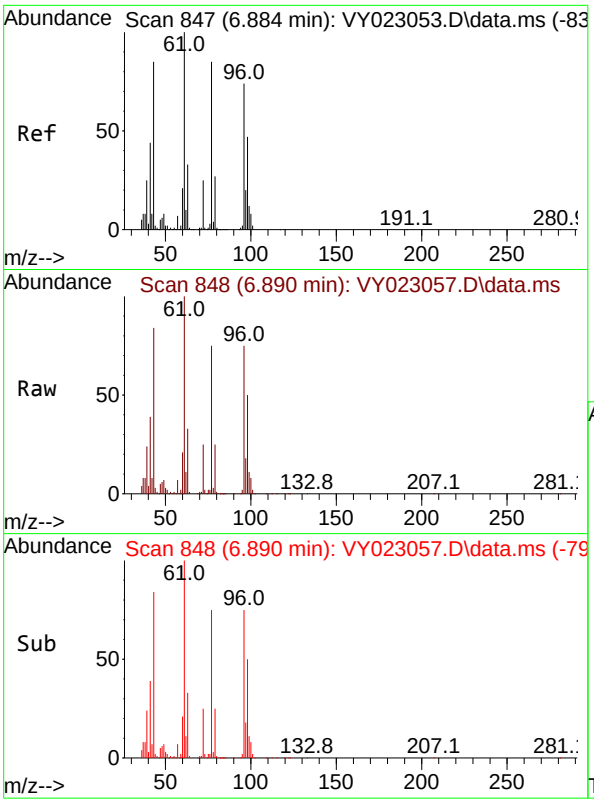


#24
1,1-Dichloroethane
Concen: 48.551 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 63 Resp: 483509

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.7	2.4	7.1



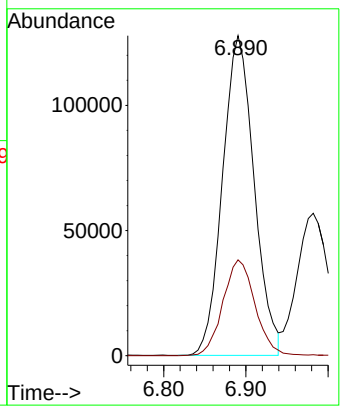


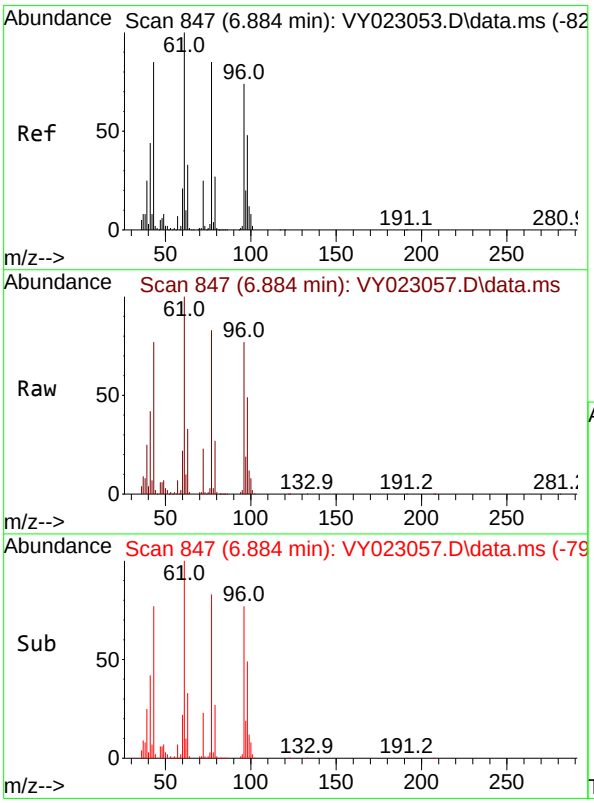
#25
2-Butanone
Concen: 230.028 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 43 Resp: 341490

Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.5	35.3

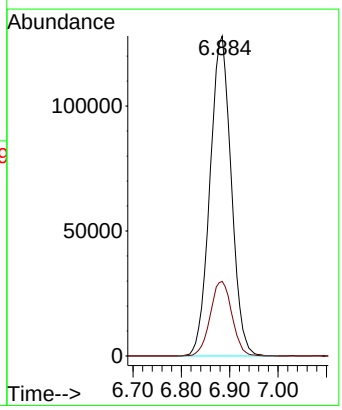


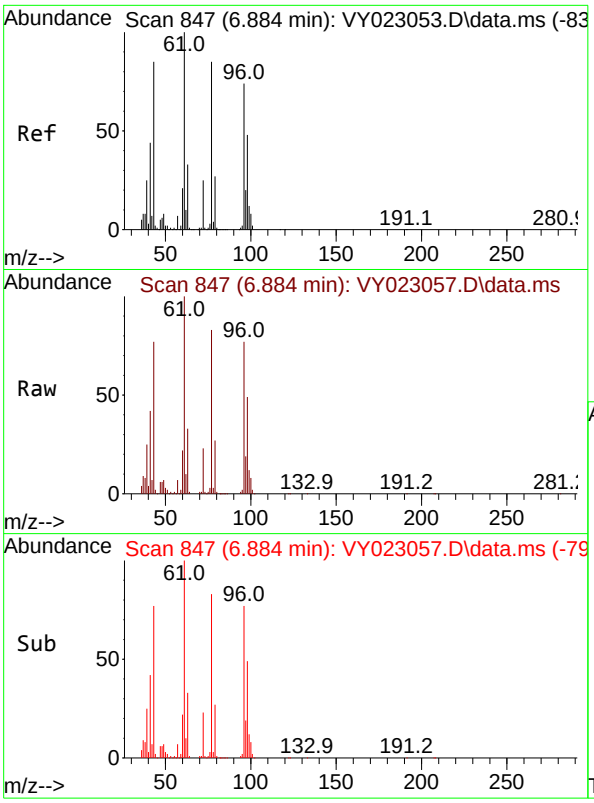


#26
2,2-Dichloropropane
Concen: 45.475 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 77 Resp: 390777

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8



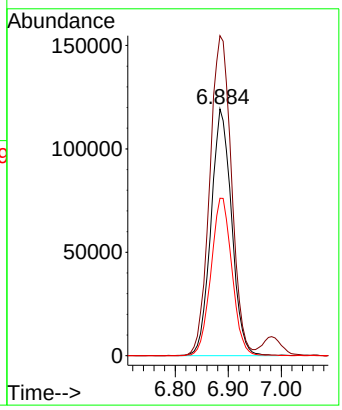


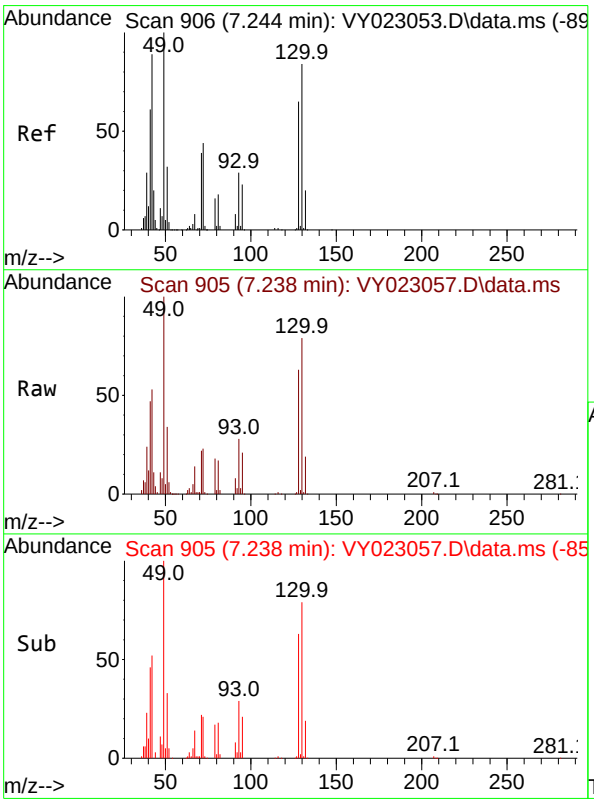
#27
cis-1,2-Dichloroethene
Concen: 48.720 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 96 Resp: 322451

Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	278.6
98	65.0	0.0	130.4

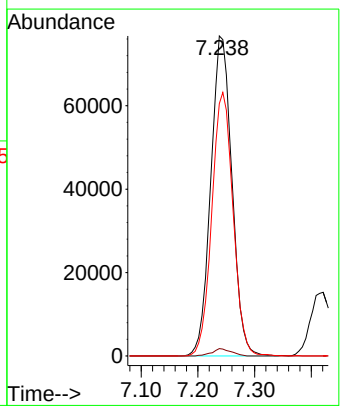


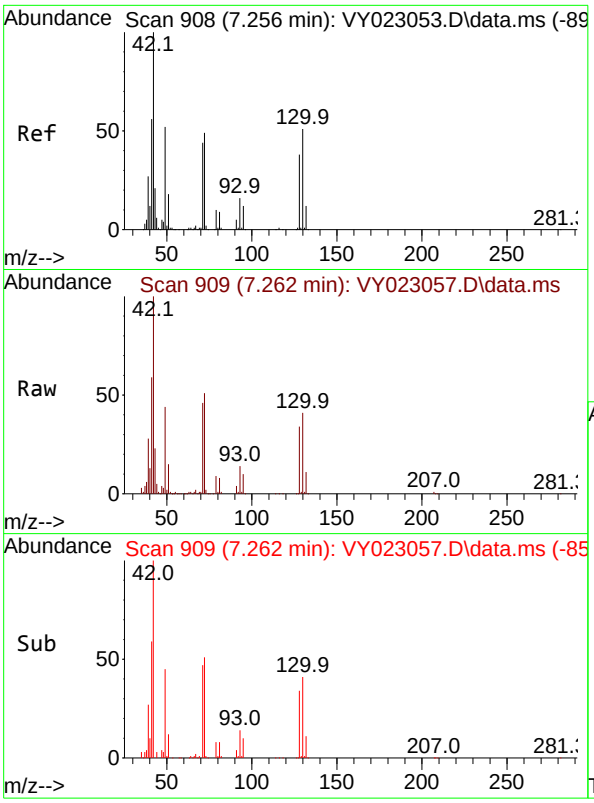


#28
Bromochloromethane
Concen: 50.275 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 49 Resp: 198640

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.6	66.4	99.6



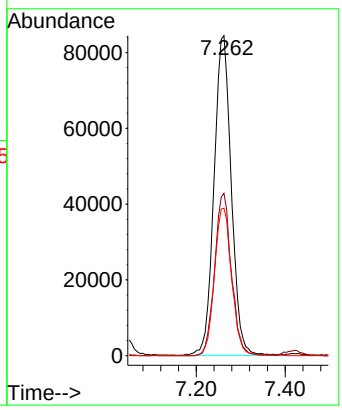


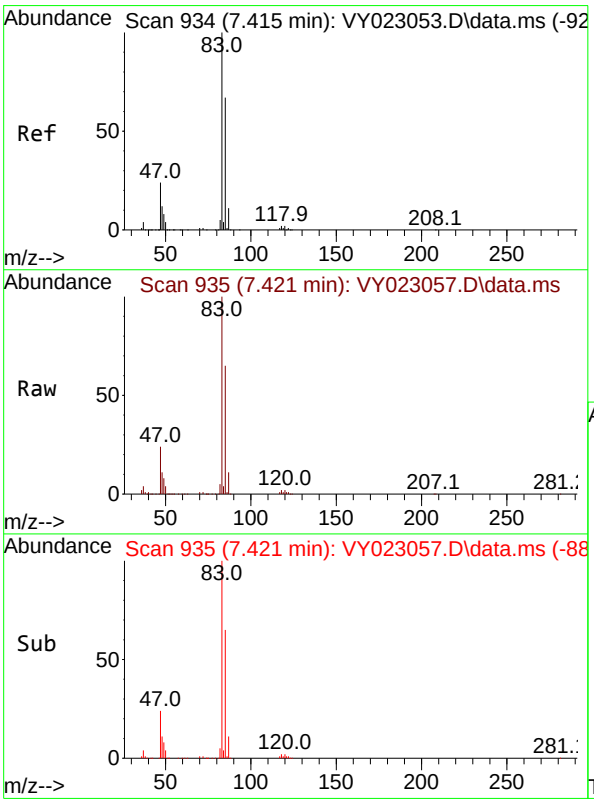
#29
Tetrahydrofuran
Concen: 247.420 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 42 Resp: 227680

Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.4	59.2
71	45.7	36.5	54.7

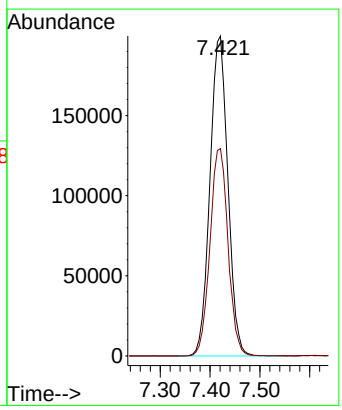


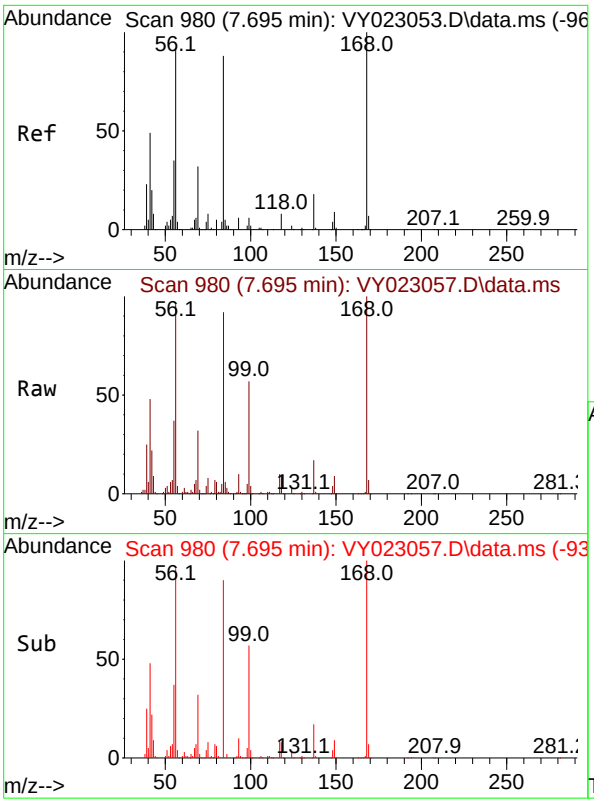


#30
Chloroform
Concen: 48.450 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 83 Resp: 497627

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8



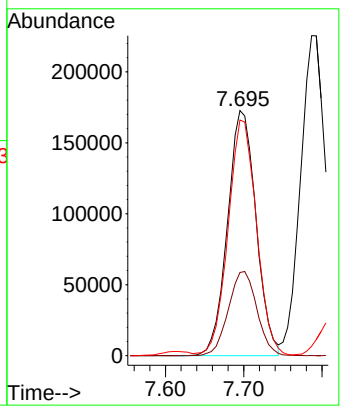


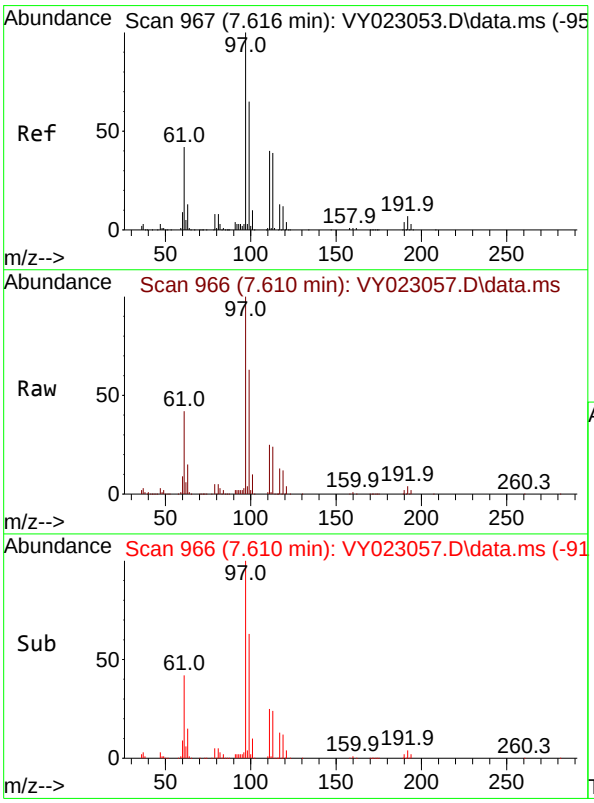
#31
Cyclohexane
Concen: 46.526 ug/l
RT: 7.695 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 56 Resp: 436638

Ion	Ratio	Lower	Upper
56	100		
69	33.9	28.2	42.2
84	94.5	76.6	114.8

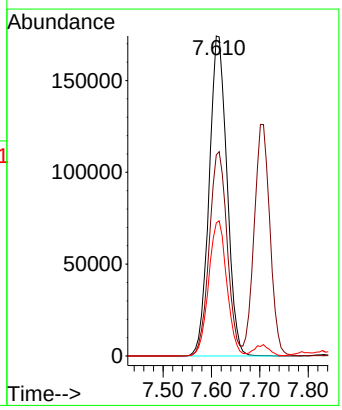


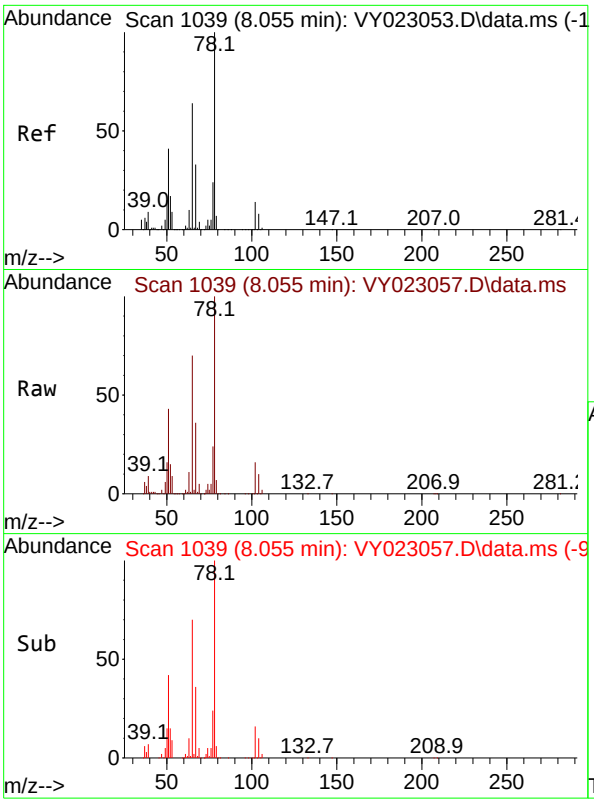


#32
1,1,1-Trichloroethane
Concen: 48.933 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 97 Resp: 445943

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	43.0	34.2	51.2



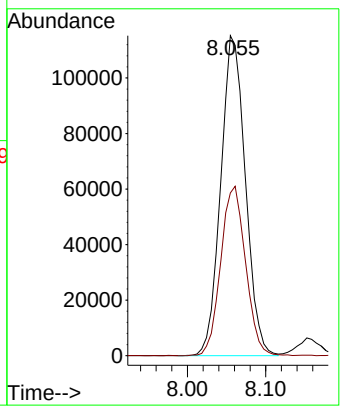


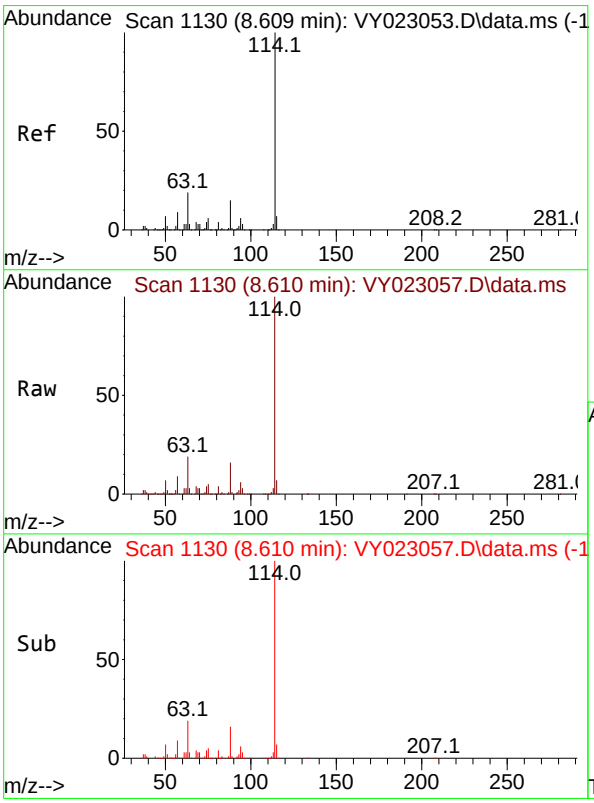
#33
1,2-Dichloroethane-d4
Concen: 50.038 ug/l
RT: 8.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 65 Resp: 252116

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

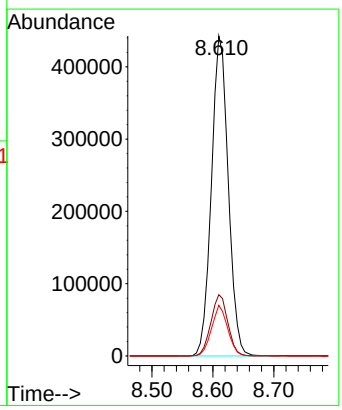


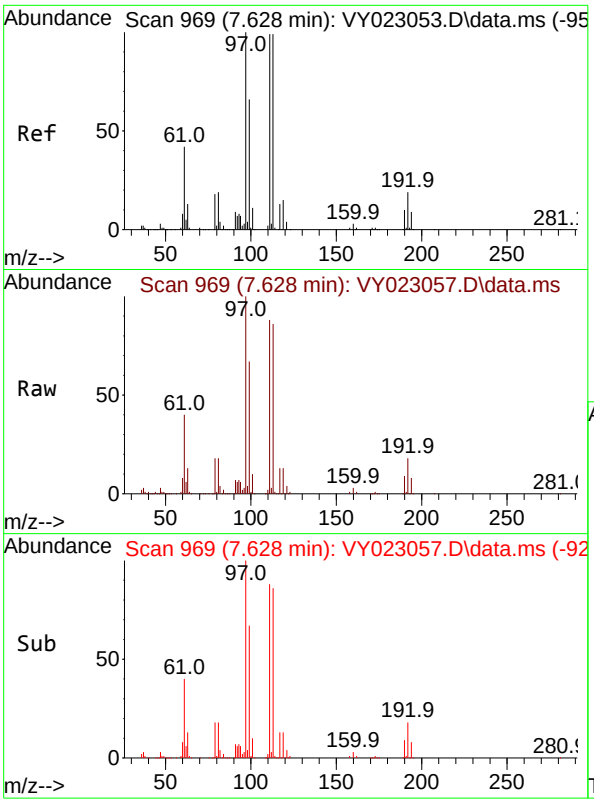


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:114 Resp: 849851

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	15.9	0.0	30.0



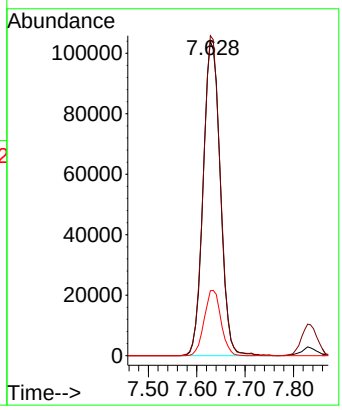


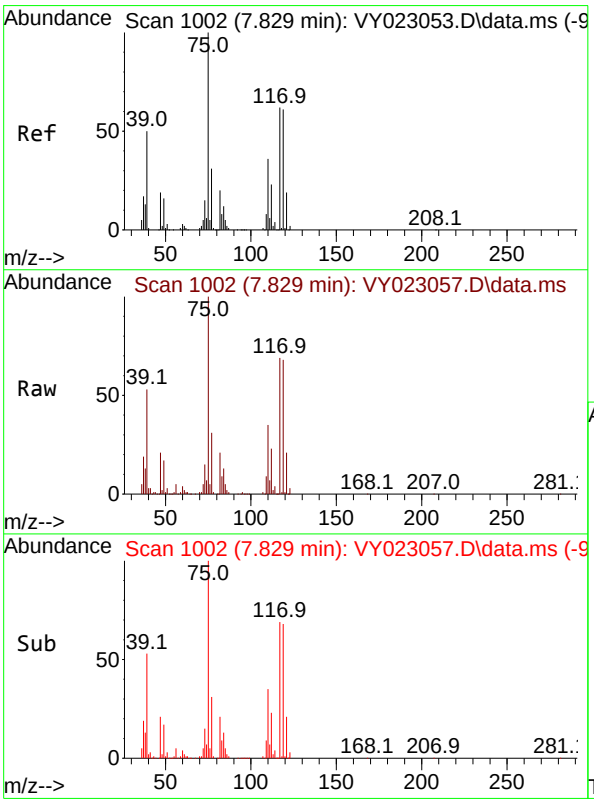
#35
Dibromofluoromethane
Concen: 50.179 ug/l
RT: 7.628 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:113 Resp: 255171

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.1	121.7
192	20.4	16.2	24.4

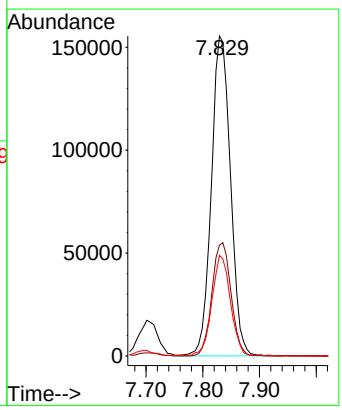


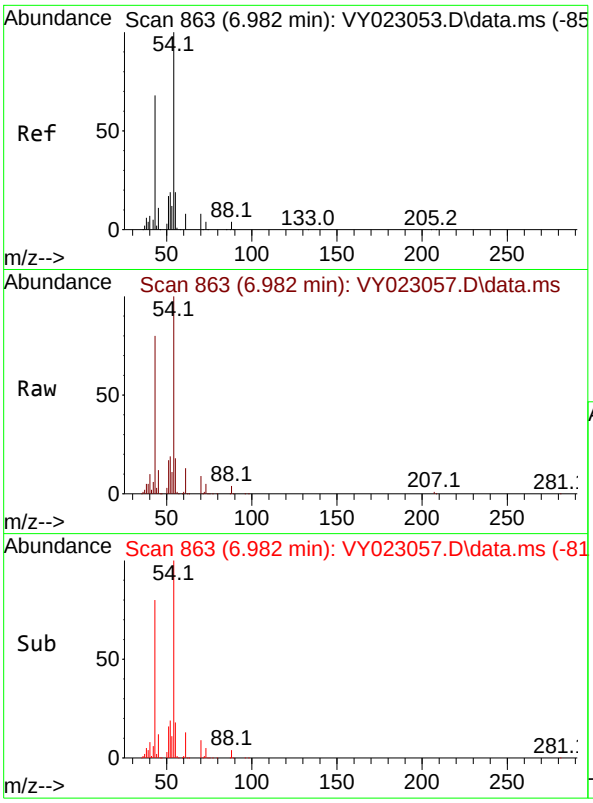


#36
1,1-Dichloropropene
Concen: 48.193 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 364210

Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.4
77	30.6	24.6	37.0



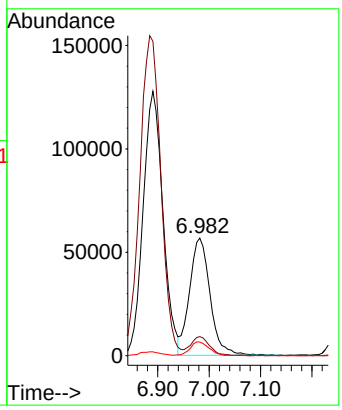


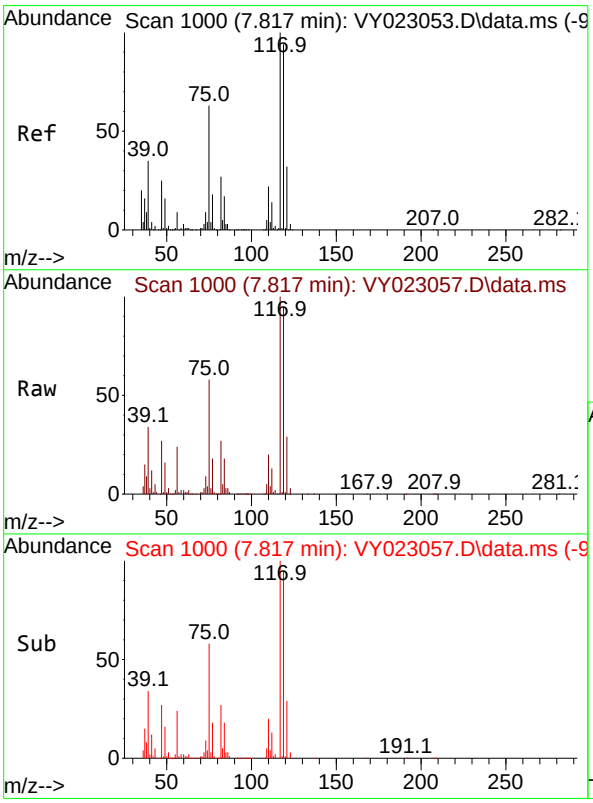
#37
Ethyl Acetate
Concen: 49.621 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 43 Resp: 157530

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	10.7	8.8	13.2

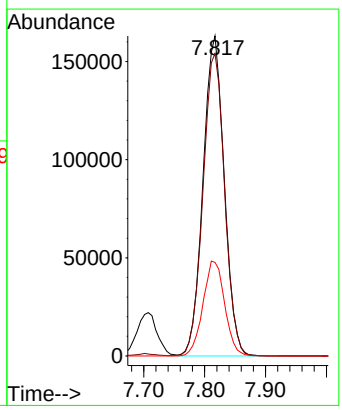


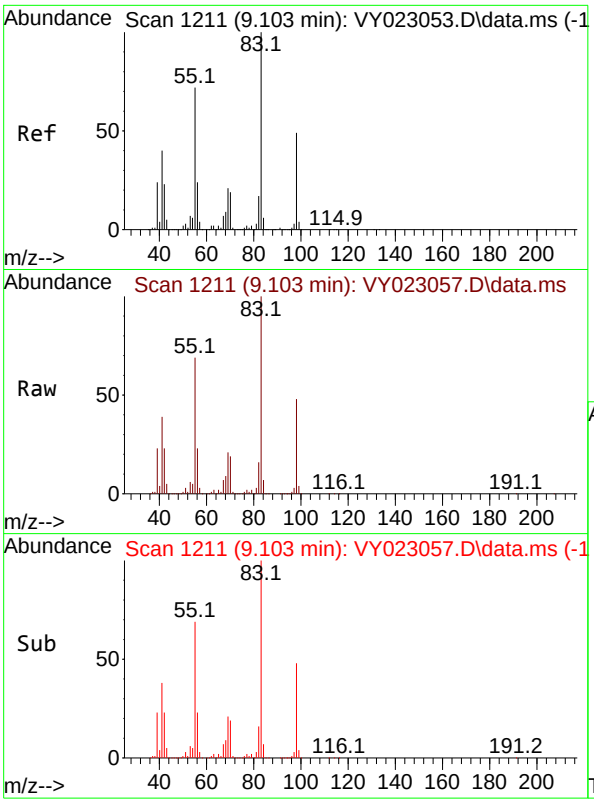


#38
Carbon Tetrachloride
Concen: 48.030 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:117 Resp: 394245

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	29.2	25.8	38.8



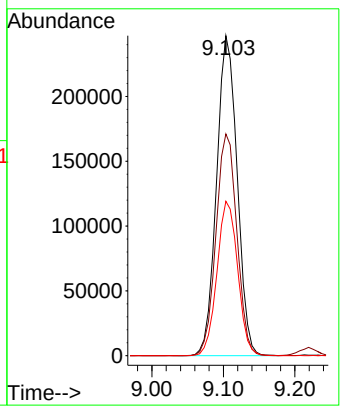


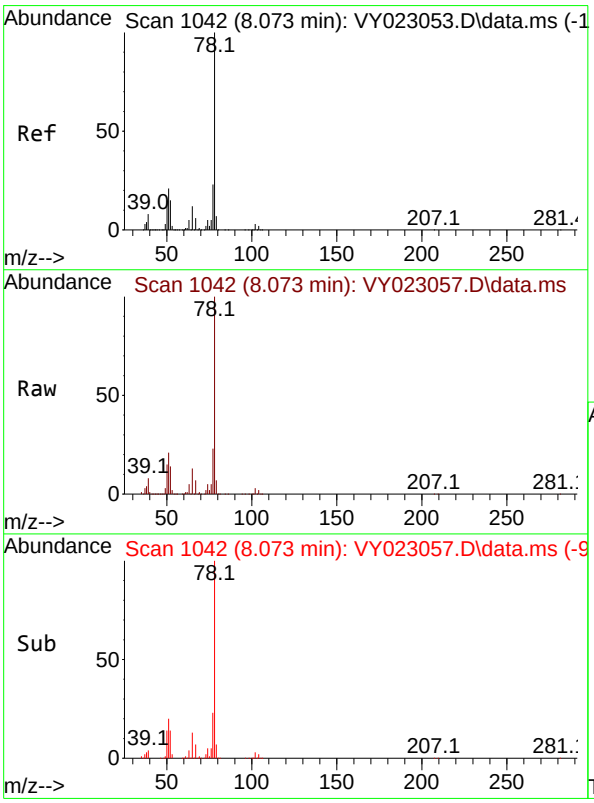
#39
Methylcyclohexane
Concen: 49.625 ug/l
RT: 9.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 83 Resp: 493867

Ion	Ratio	Lower	Upper
83	100		
55	69.3	57.6	86.4
98	48.2	39.2	58.8

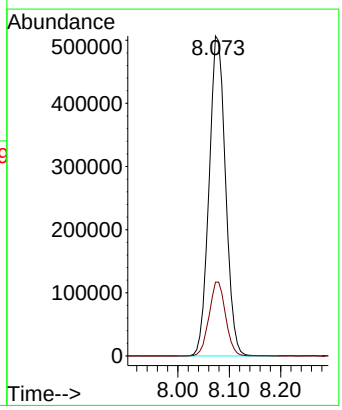


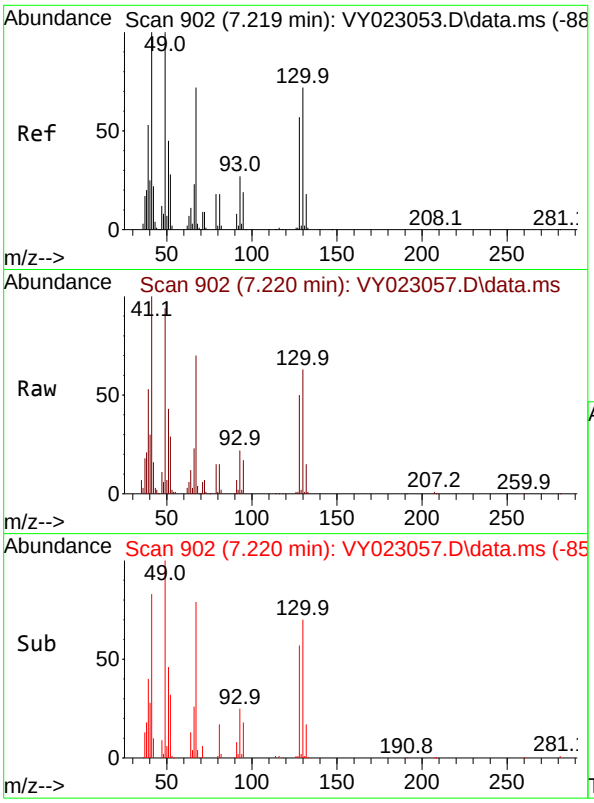


#40
Benzene
Concen: 48.428 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 78 Resp: 1128023

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0



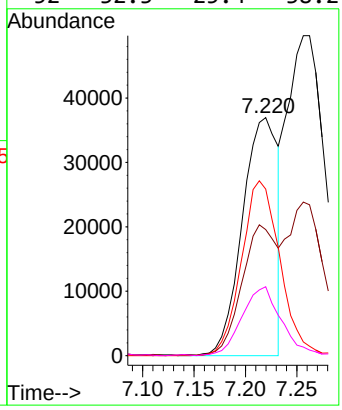


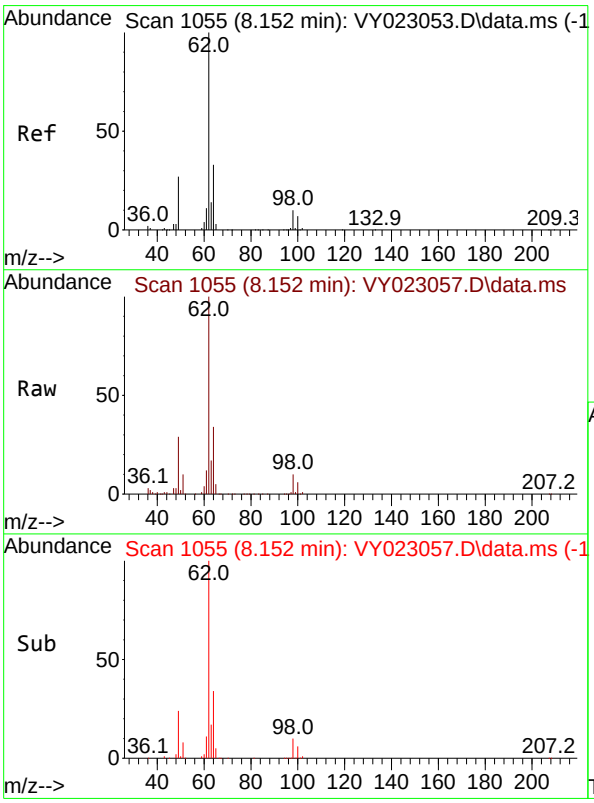
#41
Methacrylonitrile
Concen: 48.269 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 41 Resp: 88437

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.4	65.2
67	80.6	63.6	95.4
52	32.3	25.4	38.2

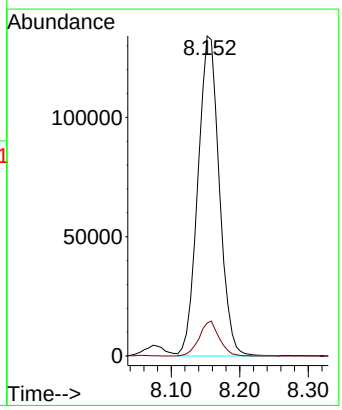


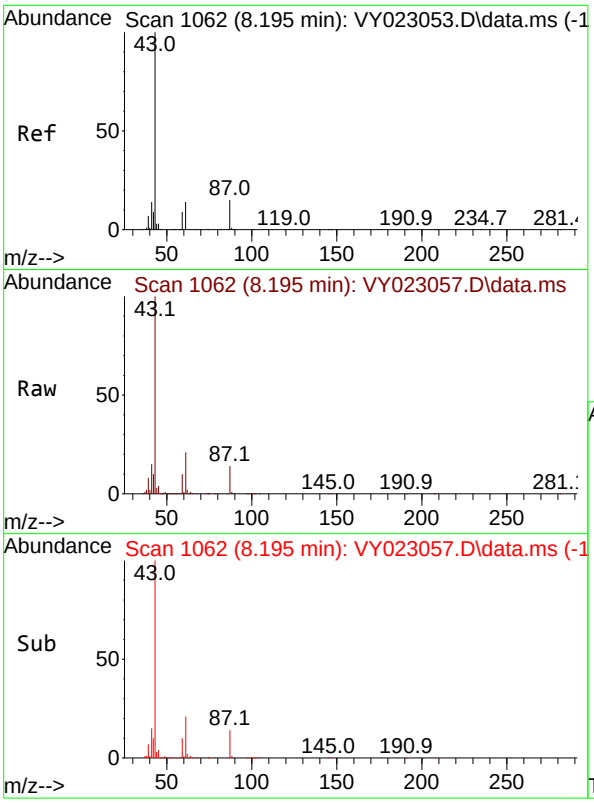


#42
1,2-Dichloroethane
Concen: 48.162 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 62 Resp: 291766

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



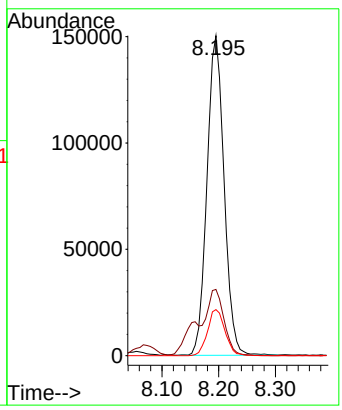


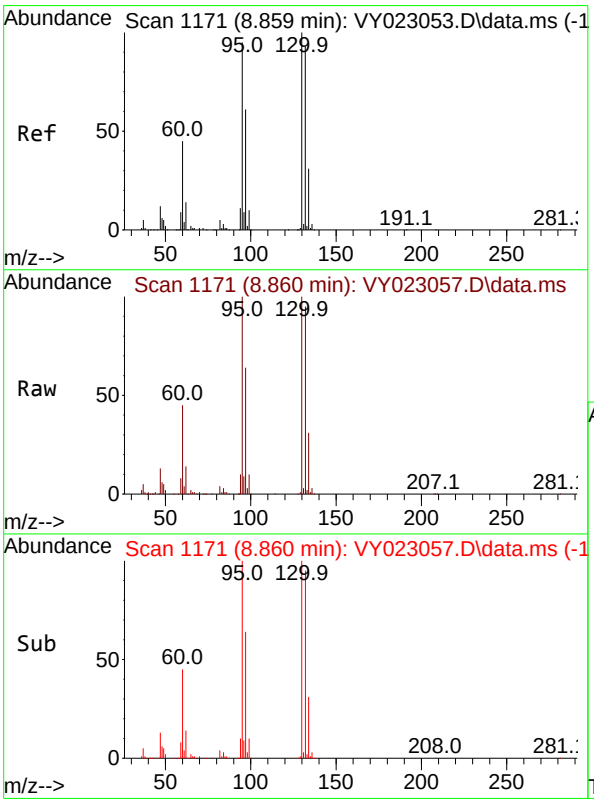
#43
Isopropyl Acetate
Concen: 49.094 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 43 Resp: 315013

Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.4	24.6
87	14.7	11.8	17.6

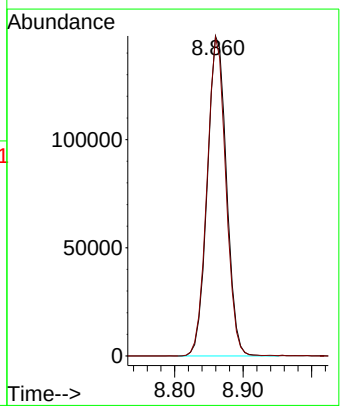


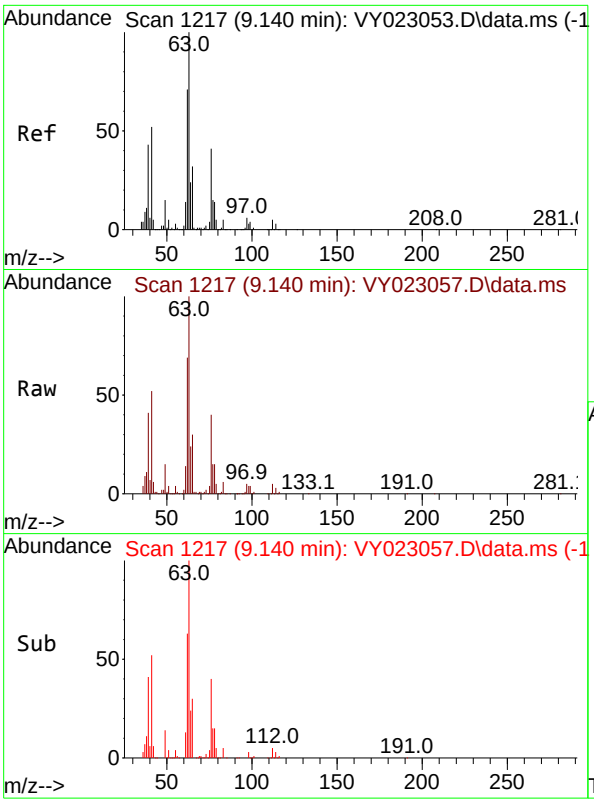


#44
Trichloroethene
Concen: 47.803 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:130 Resp: 287745

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	190.2



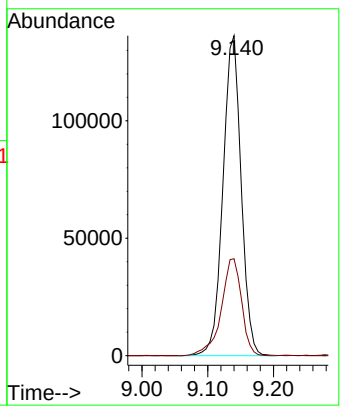


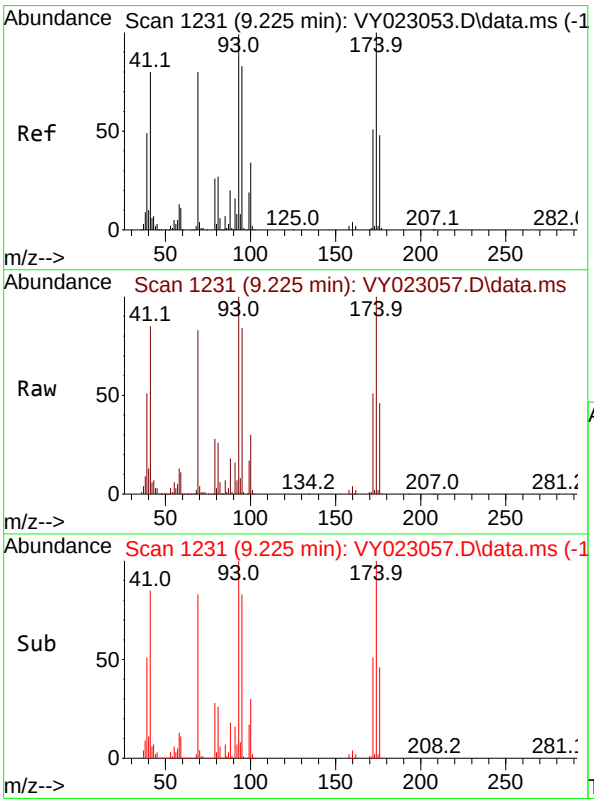
#45
1,2-Dichloropropane
Concen: 48.961 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 63 Resp: 262408

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.3	37.9

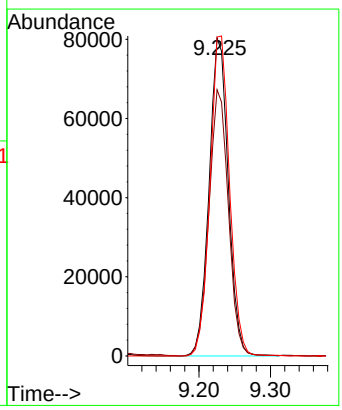


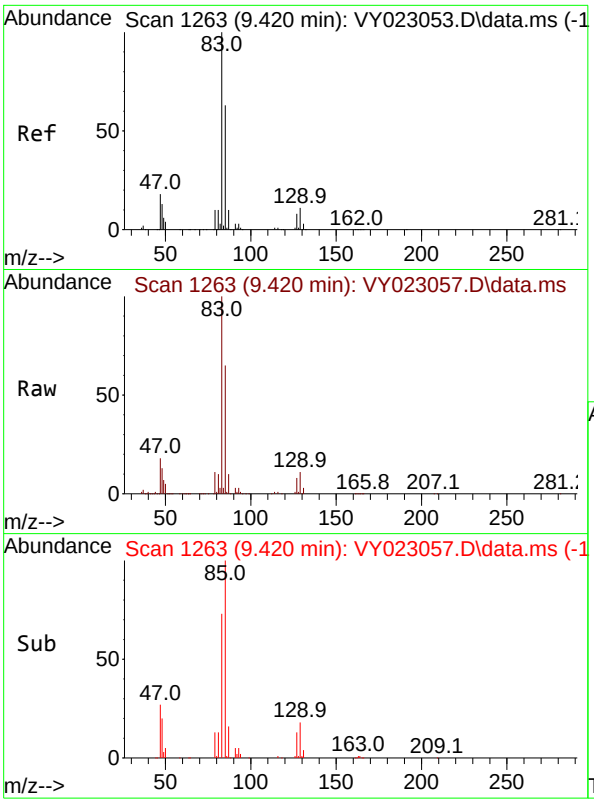


#46
Dibromomethane
Concen: 48.679 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 93 Resp: 149745

Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.5	99.7
174	102.5	81.8	122.8



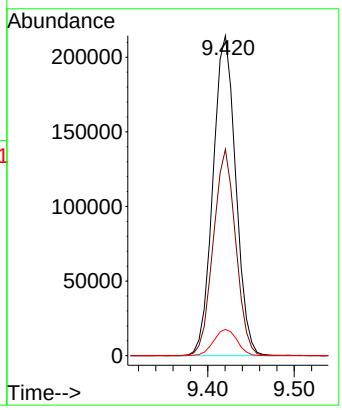


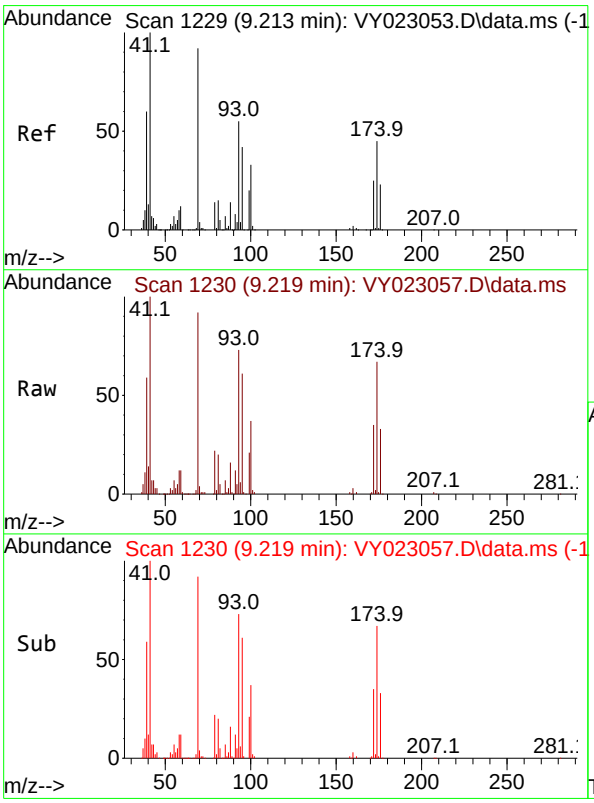
#47
Bromodichloromethane
Concen: 49.463 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 83 Resp: 391522

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.2	6.6	10.0

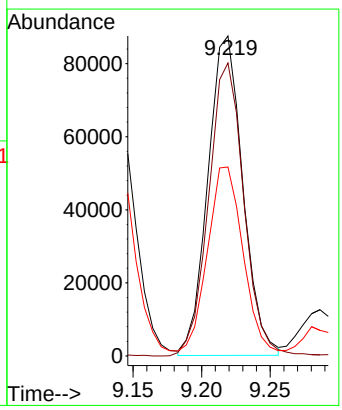


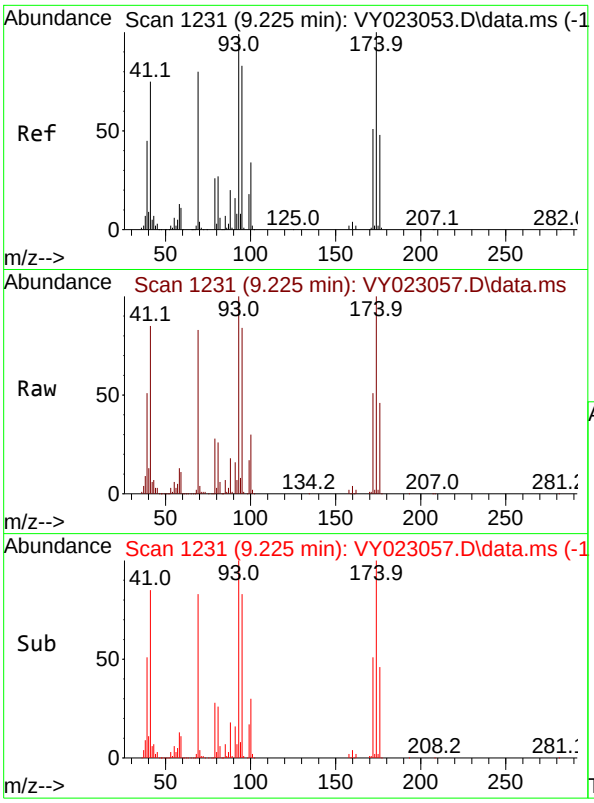


#48
Methyl methacrylate
Concen: 50.520 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 155118

Ion	Ratio	Lower	Upper
41	100		
69	92.7	73.2	109.8
39	57.8	47.0	70.4



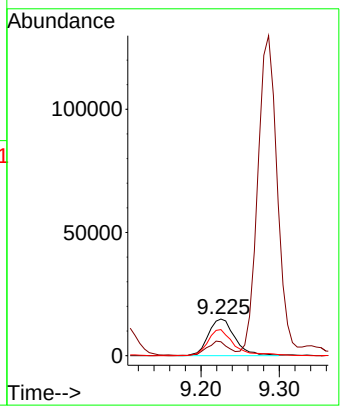


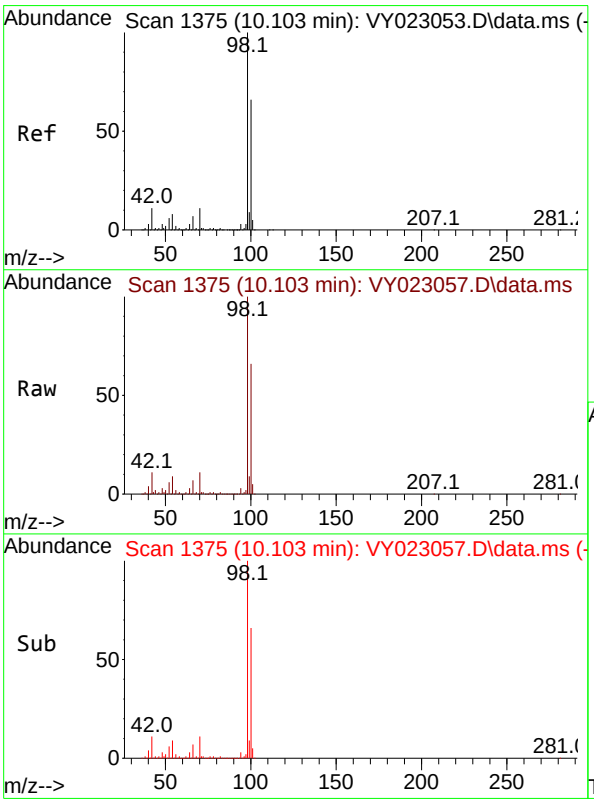
#49
1,4-Dioxane
Concen: 971.749 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 88 Resp: 35050

Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.3	36.5
58	70.9	55.4	83.0

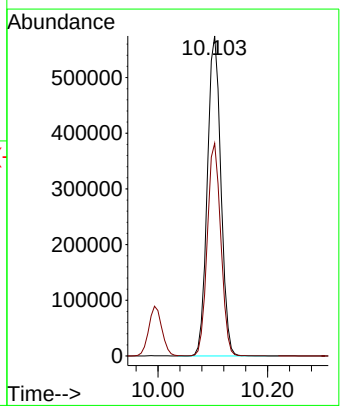


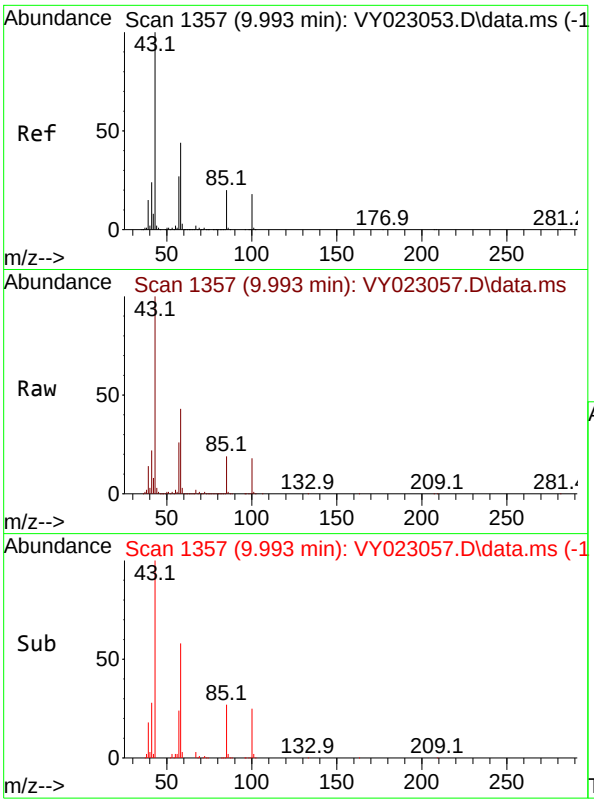


#50
Toluene-d8
Concen: 49.306 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 98 Resp: 979510

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.3	78.5



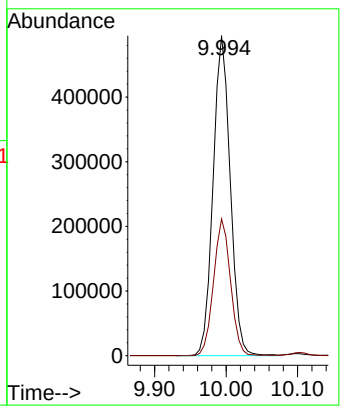


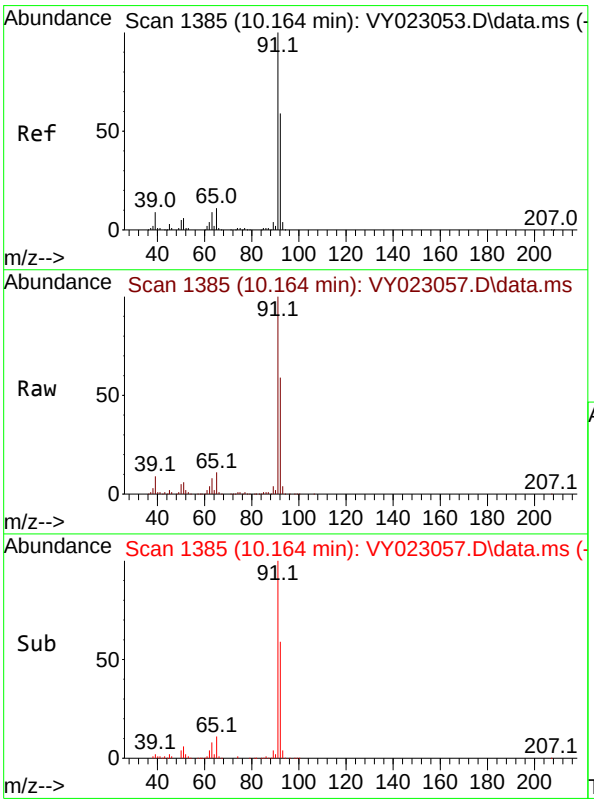
#51
4-Methyl-2-Pentanone
Concen: 248.943 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 43 Resp: 823949

Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.5	50.3

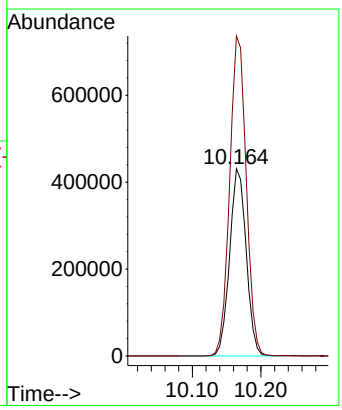


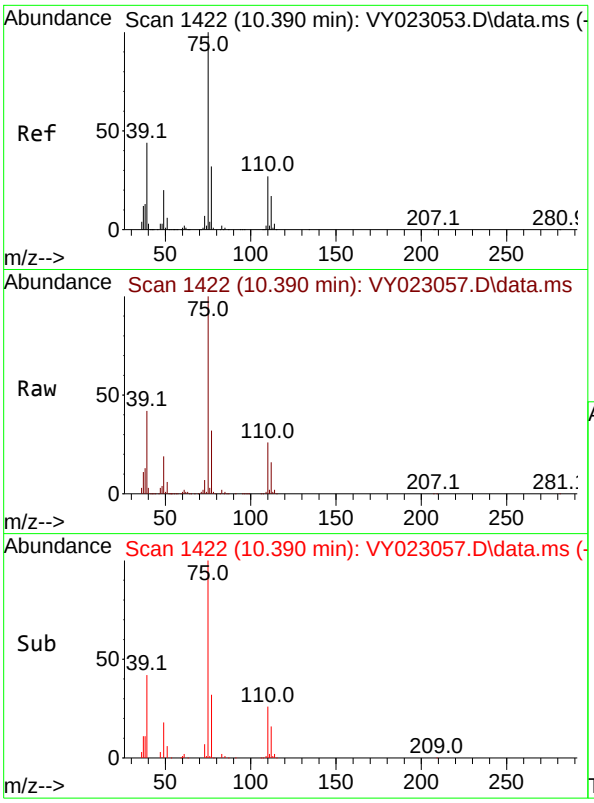


#52
Toluene
Concen: 48.963 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 92 Resp: 724356

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.4	204.6



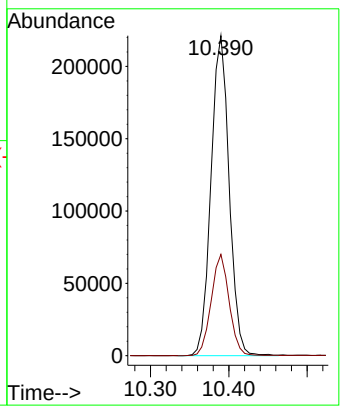


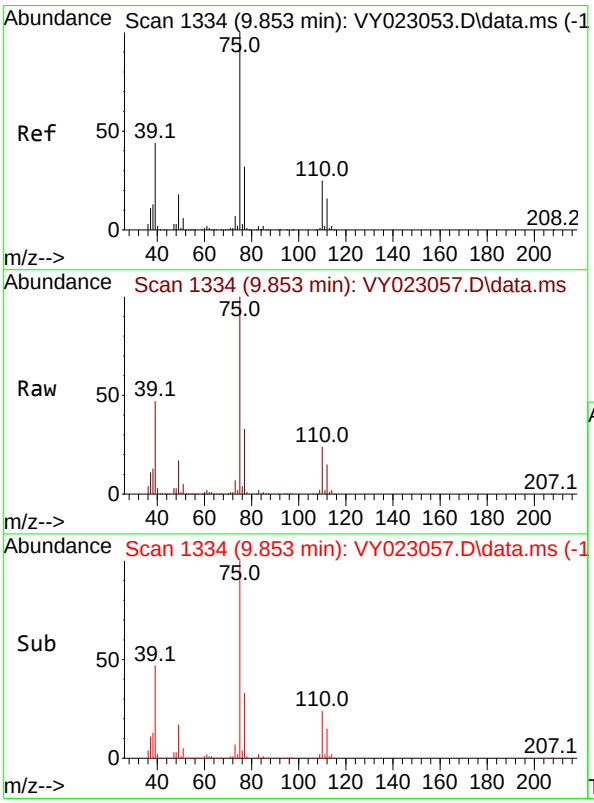
#53
t-1,3-Dichloropropene
Concen: 49.699 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 75 Resp: 356228

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5

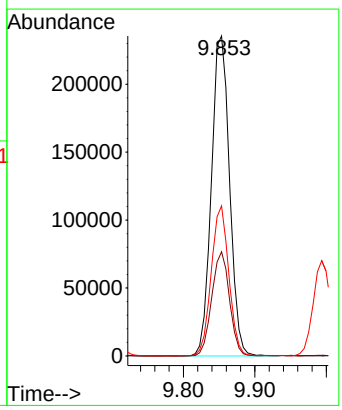


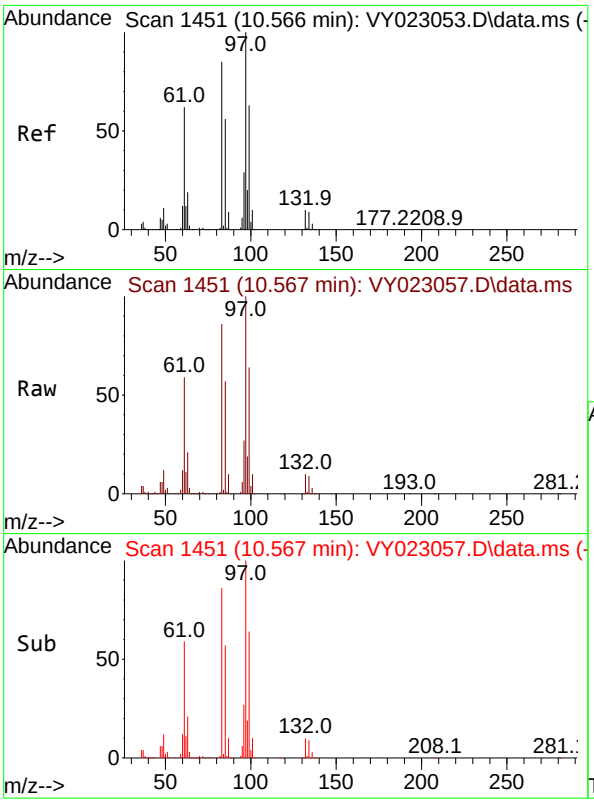


#54
cis-1,3-Dichloropropene
Concen: 48.965 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 415017

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	46.8	35.6	53.4



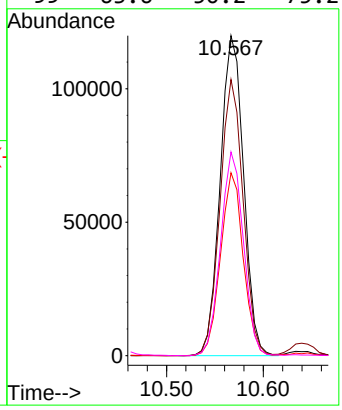


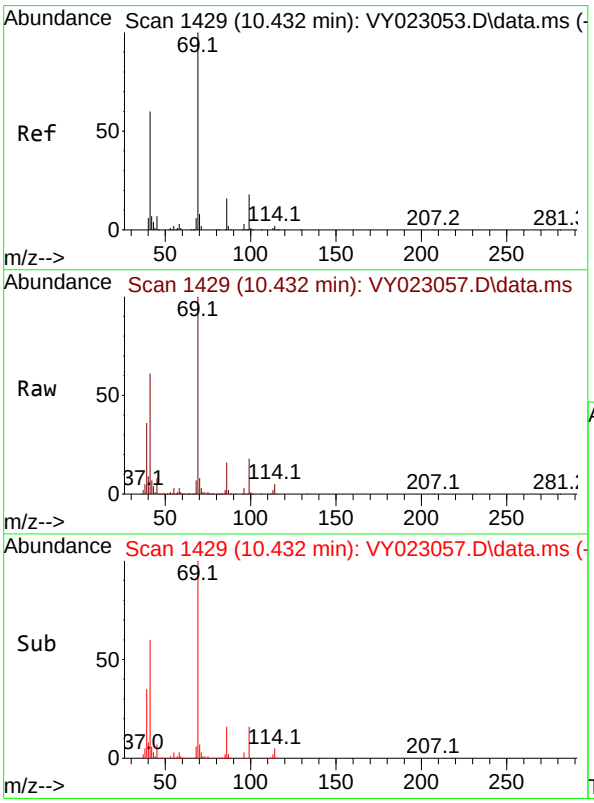
#55
1,1,2-Trichloroethane
Concen: 48.867 ug/l
RT: 10.567 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 97 Resp: 201146

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.7	101.5
85	57.1	44.5	66.7
99	63.6	50.2	75.2

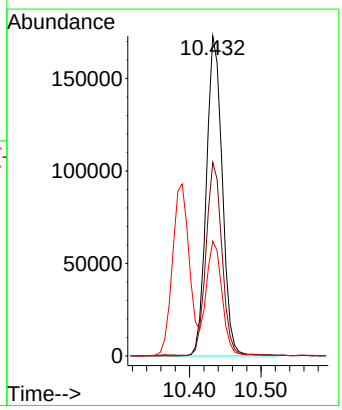


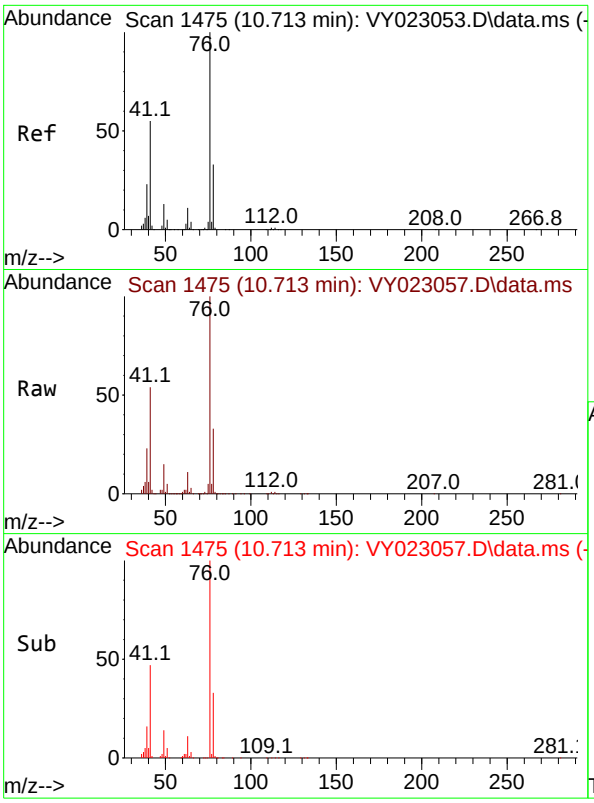


#56
Ethyl methacrylate
Concen: 50.779 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 69 Resp: 267458

Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.6	72.8
39	35.0	27.0	40.4



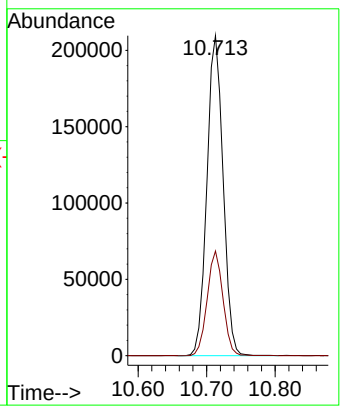


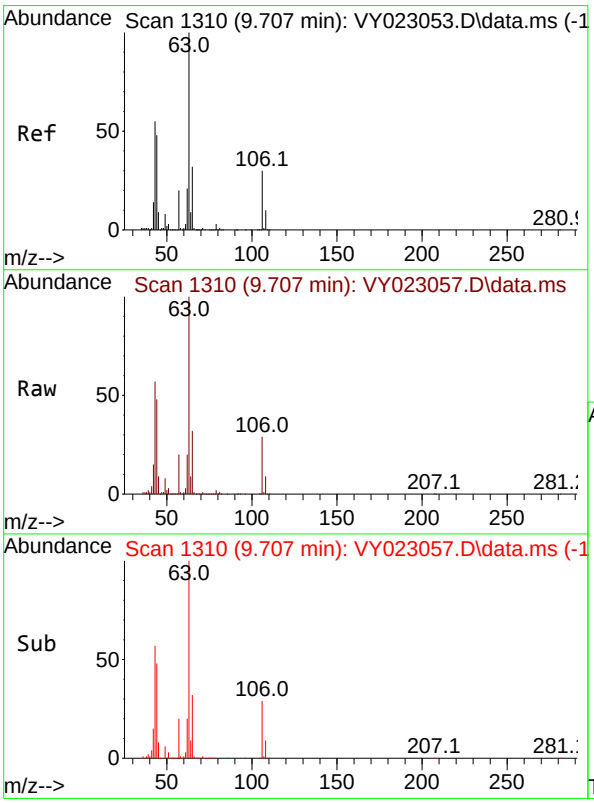
#57
1,3-Dichloropropane
Concen: 49.228 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 76 Resp: 343649

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

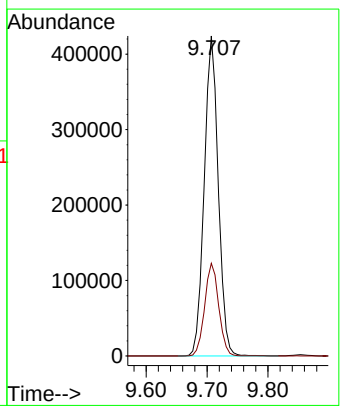


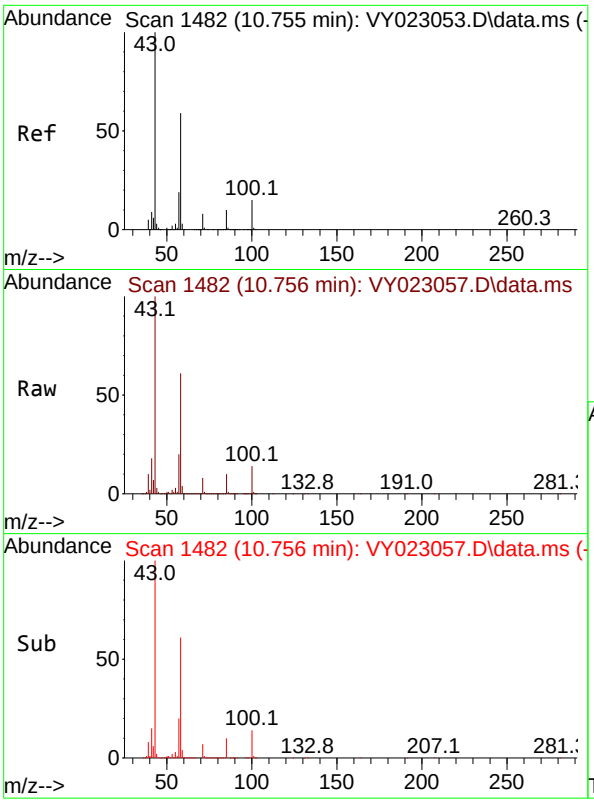


#58
2-Chloroethyl Vinyl ether
Concen: 273.240 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 63 Resp: 678865

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.2	34.8



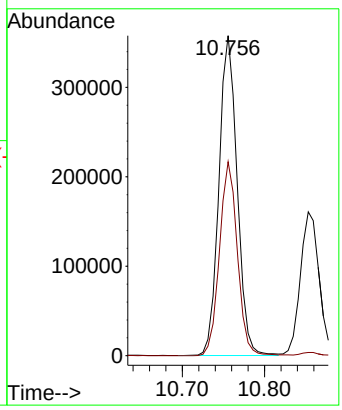


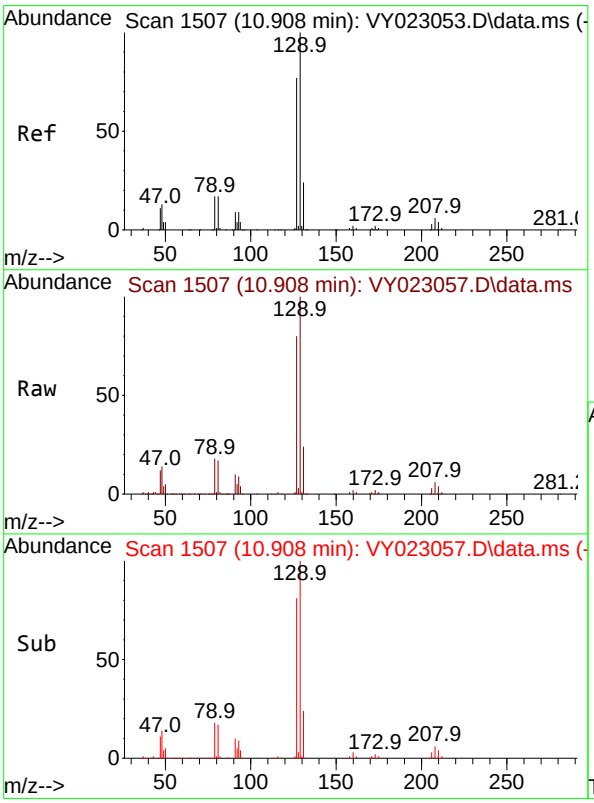
#59
2-Hexanone
Concen: 244.812 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 43 Resp: 551743

Ion	Ratio	Lower	Upper
43	100		
58	59.5	29.5	88.5

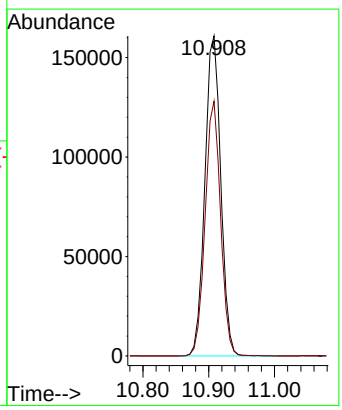


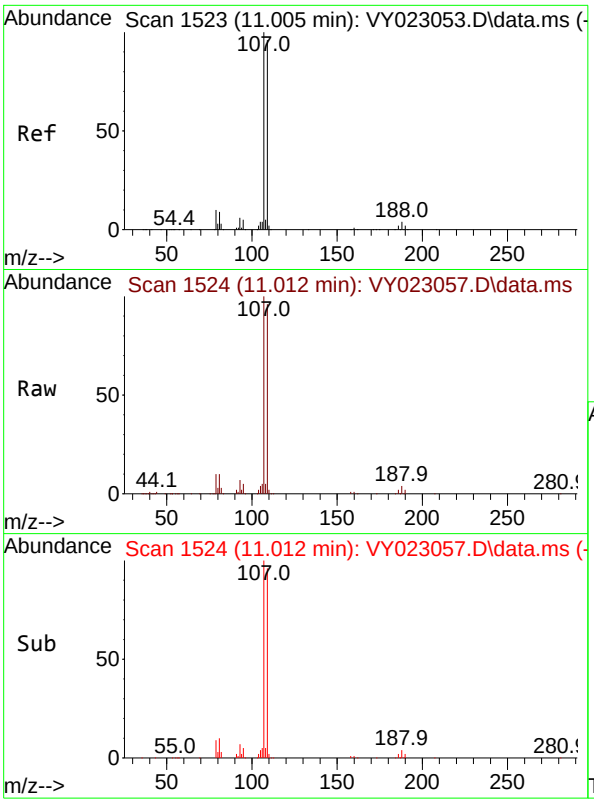


#60
Dibromochloromethane
Concen: 49.810 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:129 Resp: 270536

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



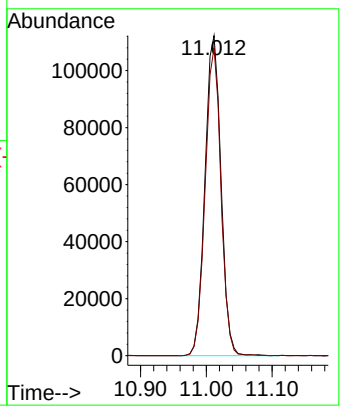


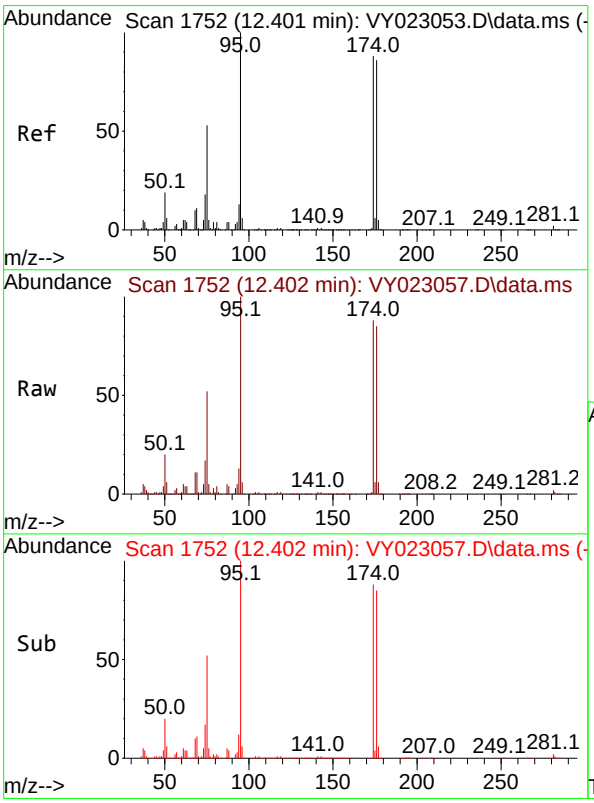
#61
1,2-Dibromoethane
Concen: 49.197 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:107 Resp: 190334

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

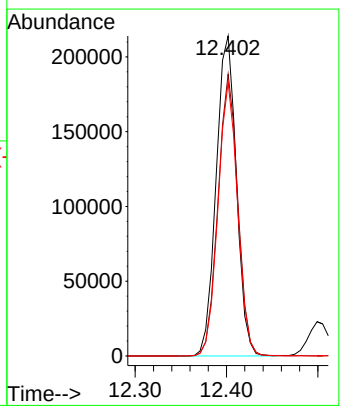


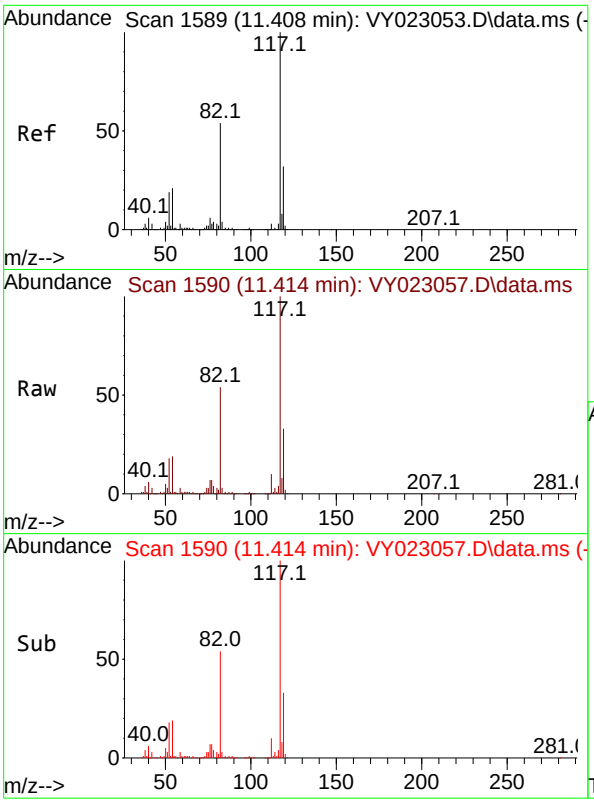


#62
4-Bromofluorobenzene
Concen: 51.500 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 95 Resp: 329022

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	171.6
176	82.9	0.0	167.6



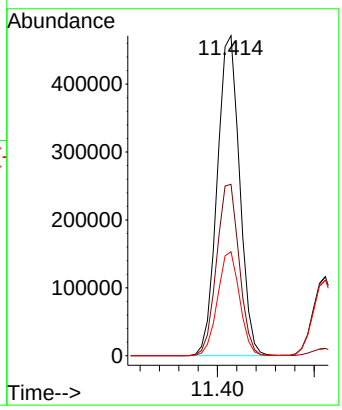


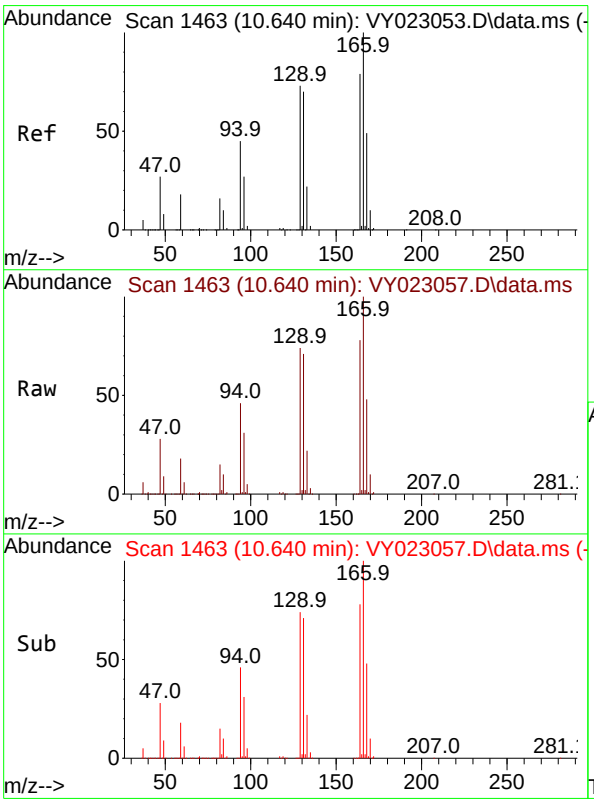
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:117 Resp: 756555

Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.5	25.6	38.4

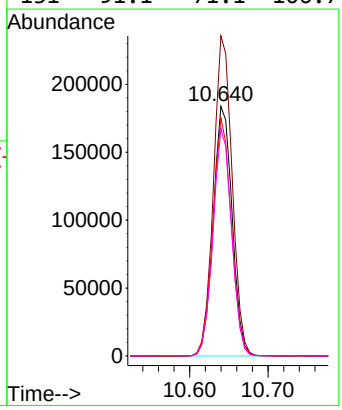


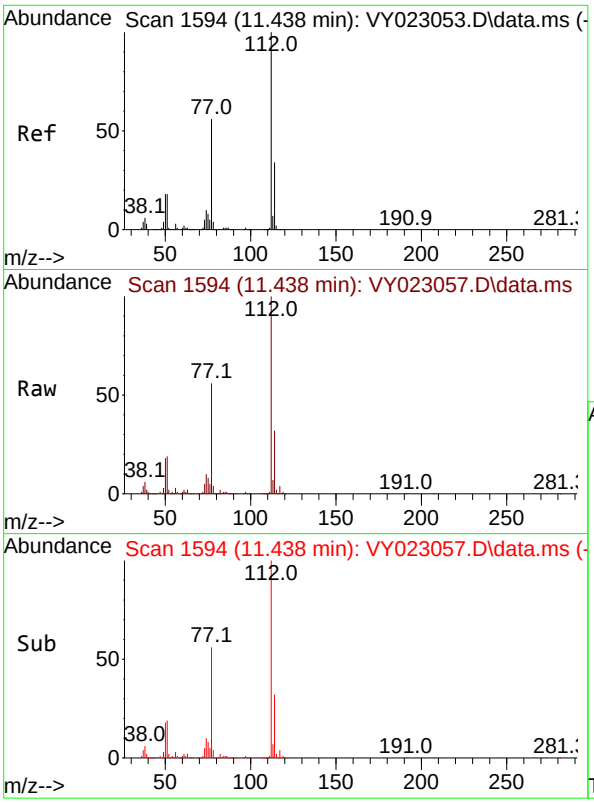


#64
Tetrachloroethene
Concen: 45.512 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:164 Resp: 307456

Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	95.3	74.0	111.0
131	91.1	71.1	106.7



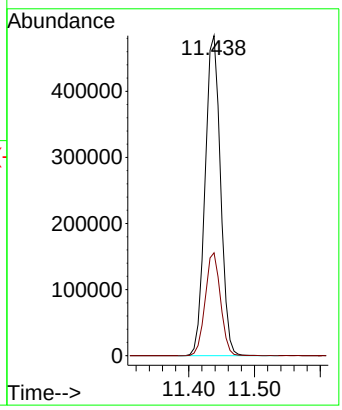


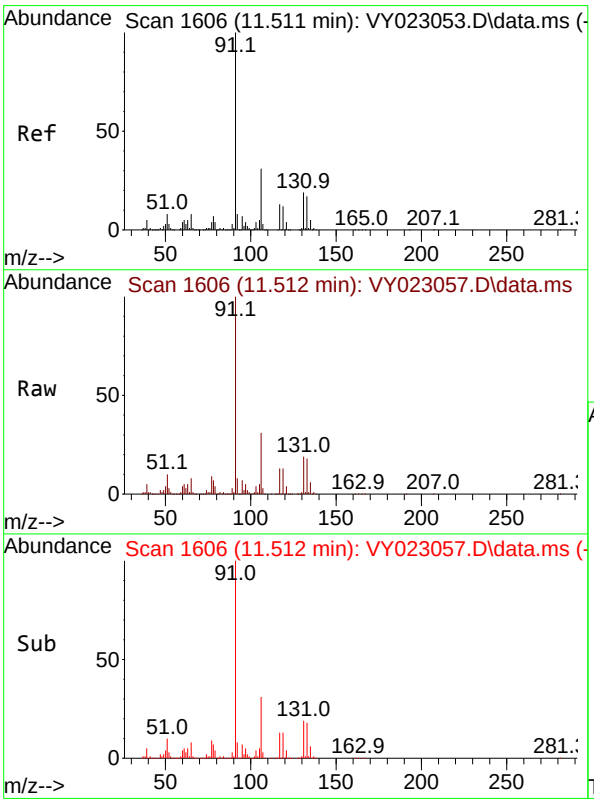
#65
Chlorobenzene
Concen: 48.275 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:112 Resp: 787799

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4

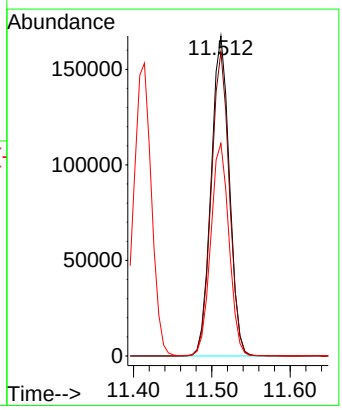


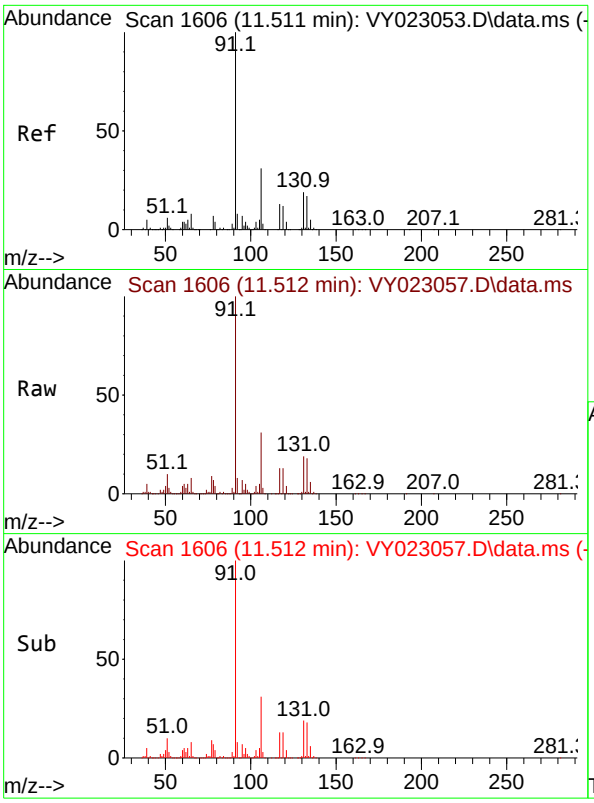


#66
1,1,1,2-Tetrachloroethane
Concen: 48.815 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:131 Resp: 270360

Ion	Ratio	Lower	Upper
131	100		
133	94.4	46.9	140.6
119	66.7	33.2	99.6



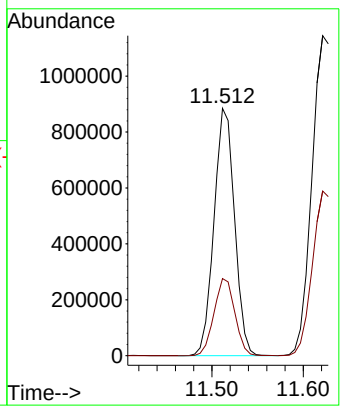


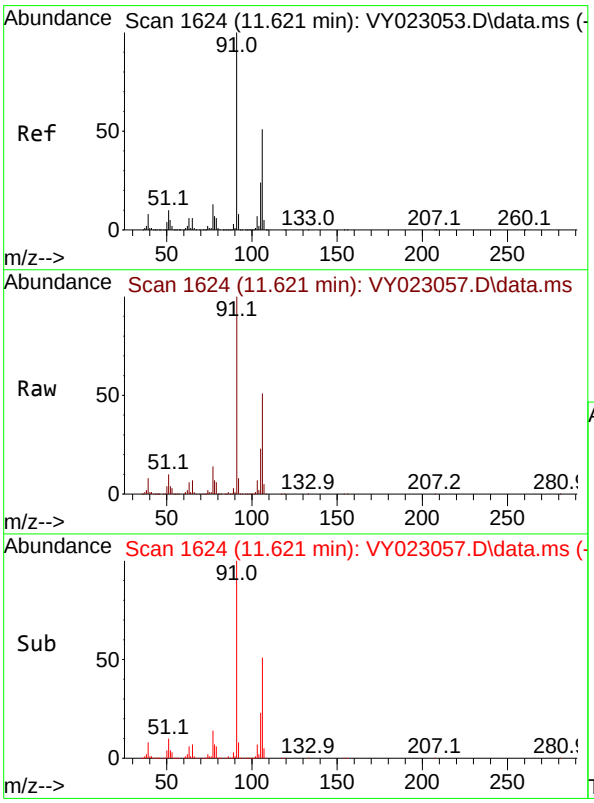
#67
Ethyl Benzene
Concen: 49.163 ug/l
RT: 11.512 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 91 Resp: 1380648

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4

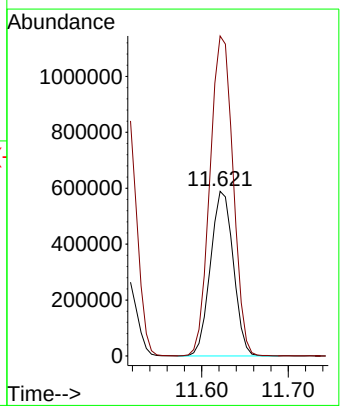


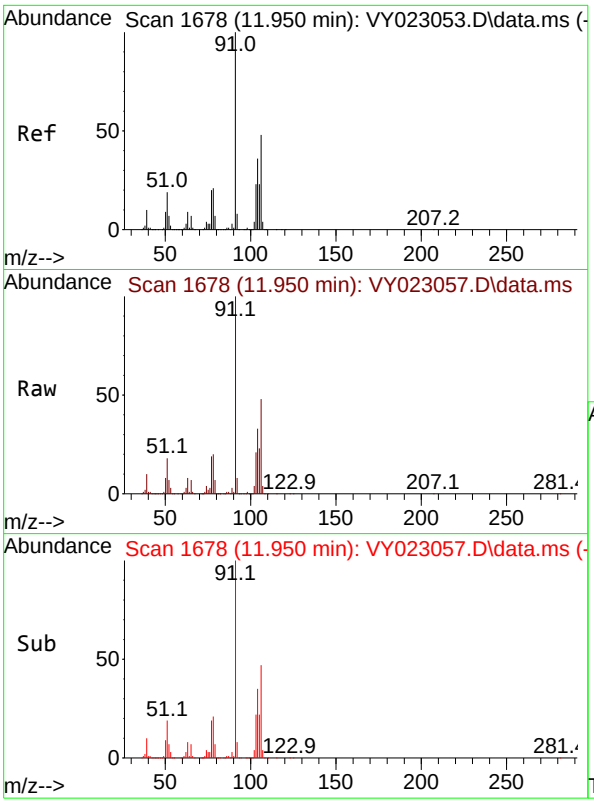


#68
m/p-Xylenes
Concen: 98.515 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:106 Resp: 1080541

Ion	Ratio	Lower	Upper
106	100		
91	197.0	158.6	238.0



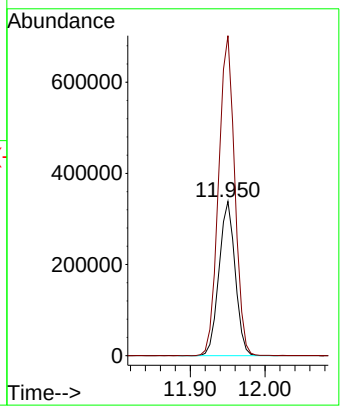


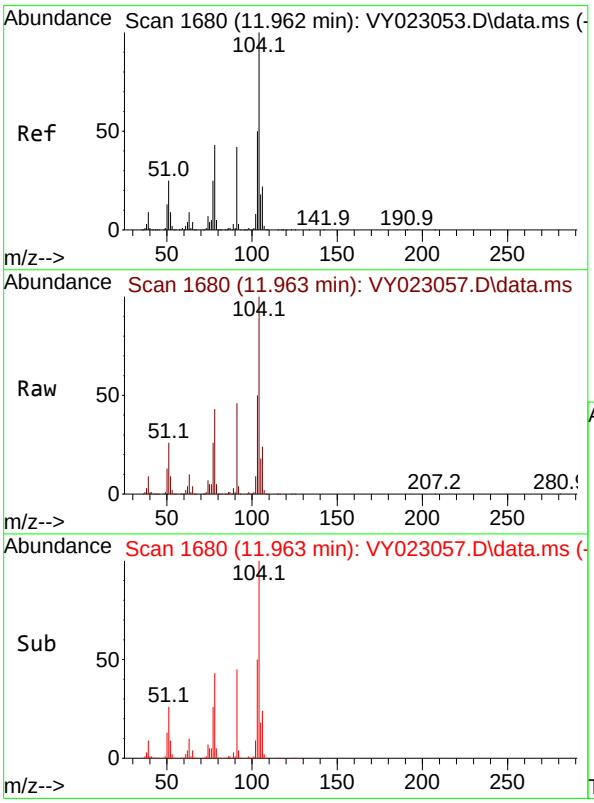
#69
o-Xylene
Concen: 49.645 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:106 Resp: 509991

Ion	Ratio	Lower	Upper
106	100		
91	207.4	103.2	309.4

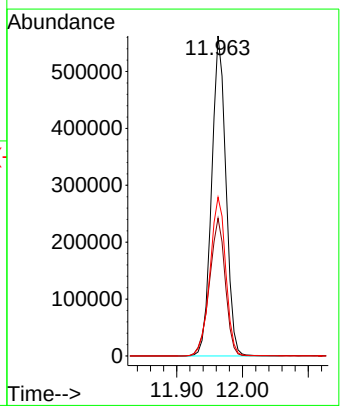


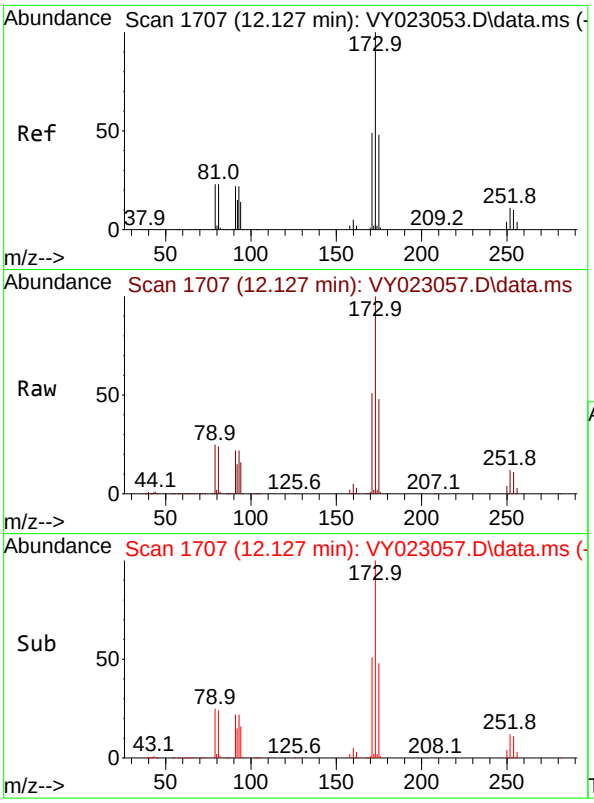


#70
Styrene
Concen: 50.733 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:104 Resp: 852310

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	54.6	43.7	65.5



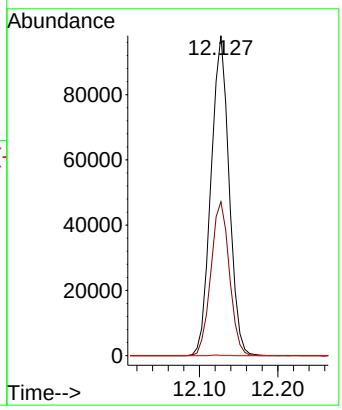


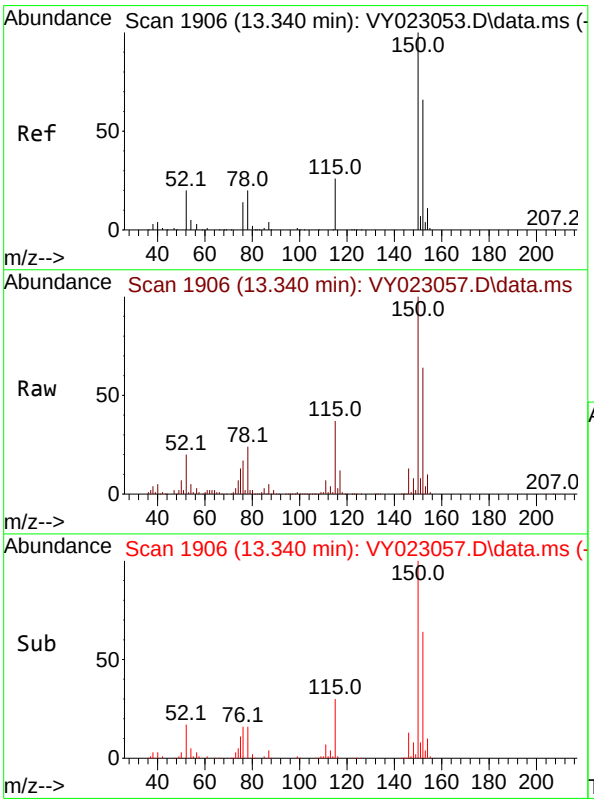
#71
Bromoform
Concen: 48.525 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:173 Resp: 157073

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.7
254	0.2	0.1	0.1#

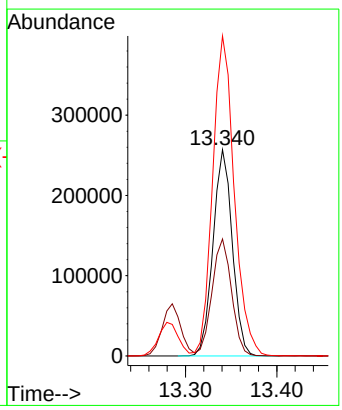


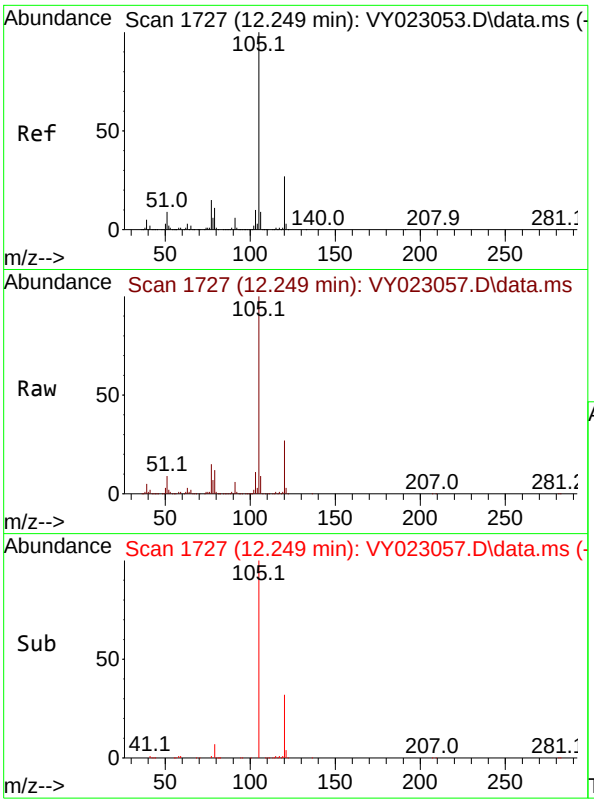


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:152 Resp: 376990

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.2	84.6
150	174.1	0.0	348.0



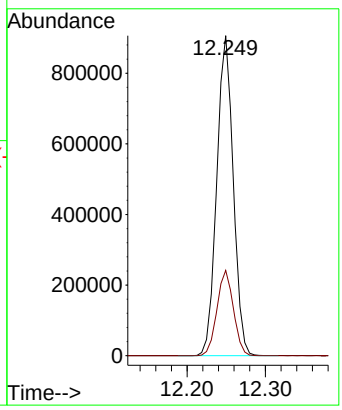


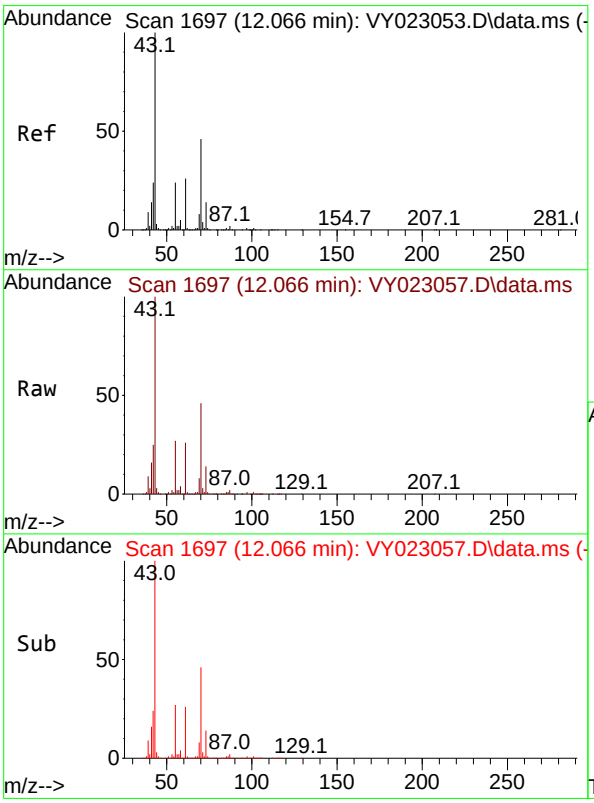
#73
Isopropylbenzene
Concen: 49.876 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:105 Resp: 1327070

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

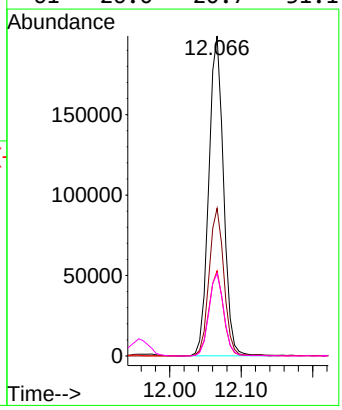


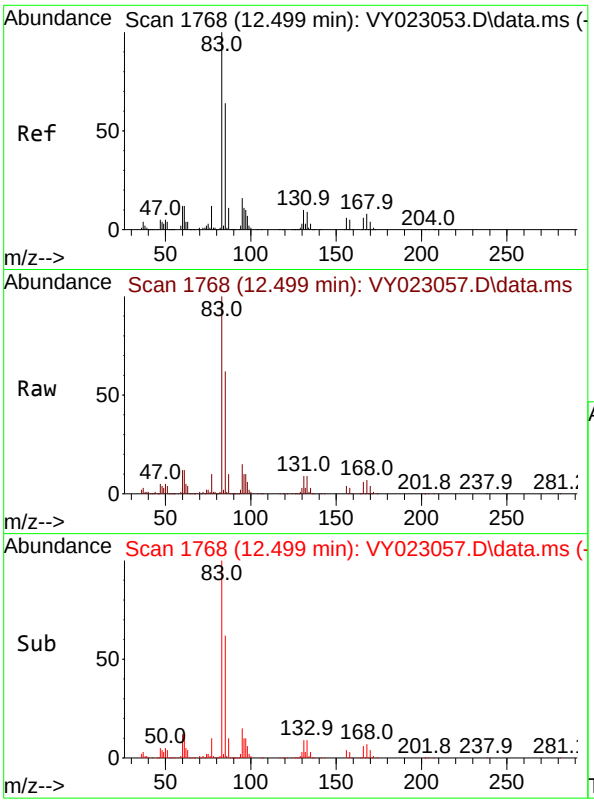


#74
N-amyl acetate
Concen: 50.529 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 285118

Ion	Ratio	Lower	Upper
43	100		
70	46.5	37.5	56.3
55	26.2	20.7	31.1
61	26.0	20.7	31.1



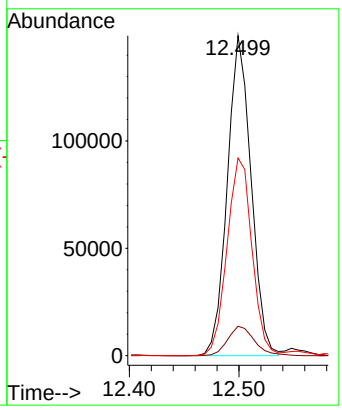


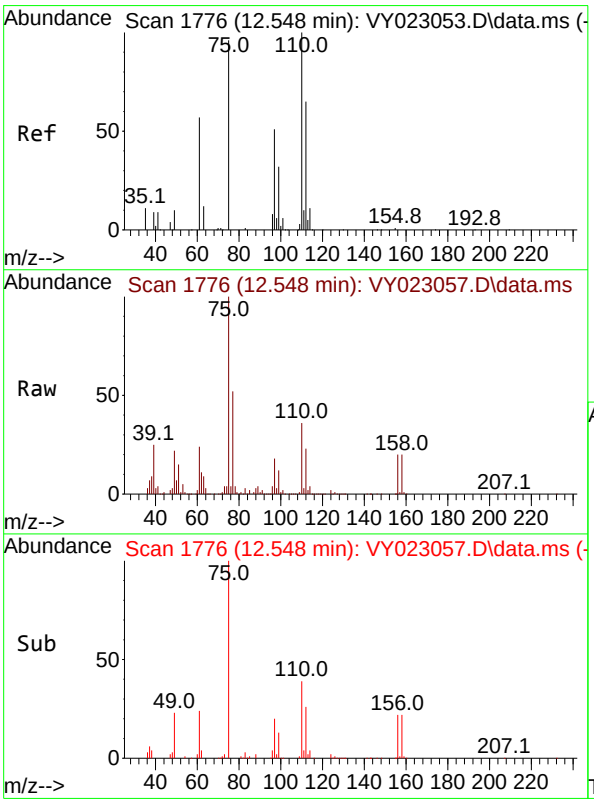
#75
1,1,2,2-Tetrachloroethane
Concen: 49.350 ug/l
RT: 12.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 83 Resp: 224206

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	65.0	31.8	95.3

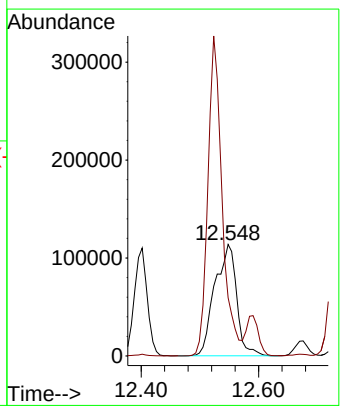


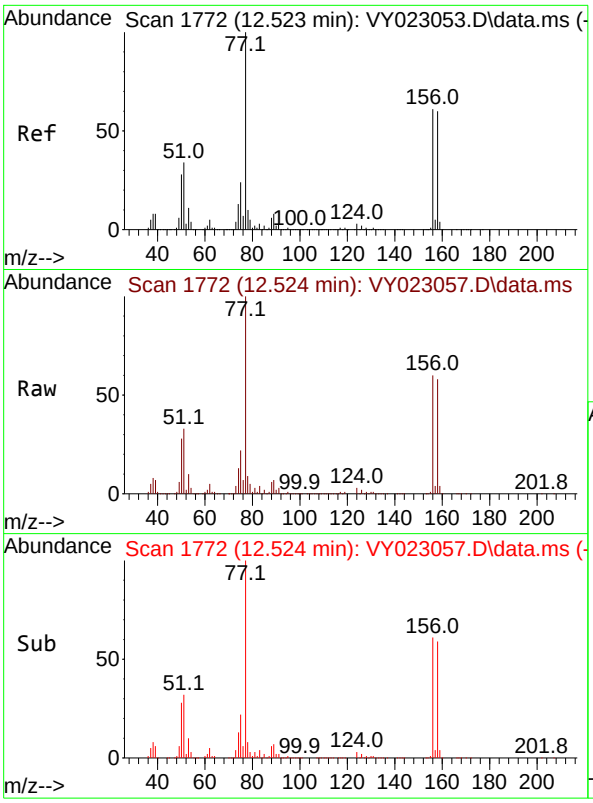


#76
1,2,3-Trichloropropane
Concen: 80.862 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 294203

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



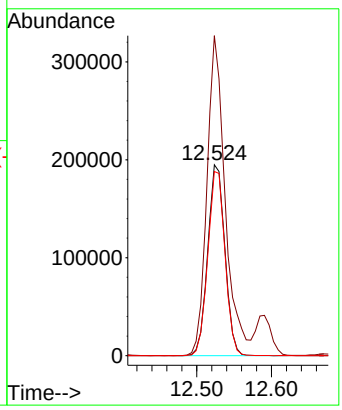


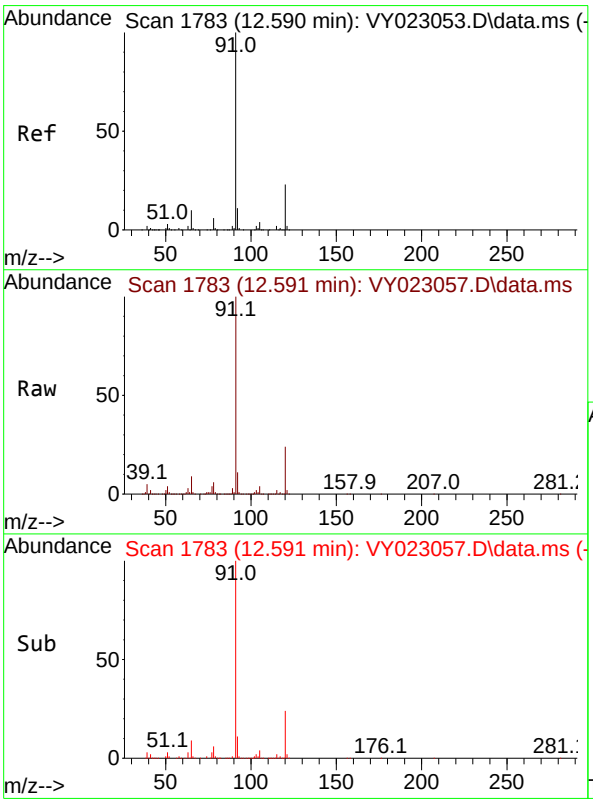
#77
Bromobenzene
Concen: 49.004 ug/l
RT: 12.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:156 Resp: 311065

Ion	Ratio	Lower	Upper
156	100		
77	178.4	88.1	264.4
158	96.6	48.0	144.0

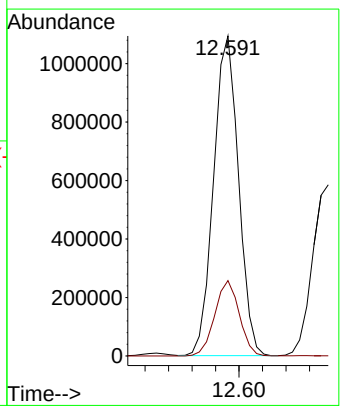


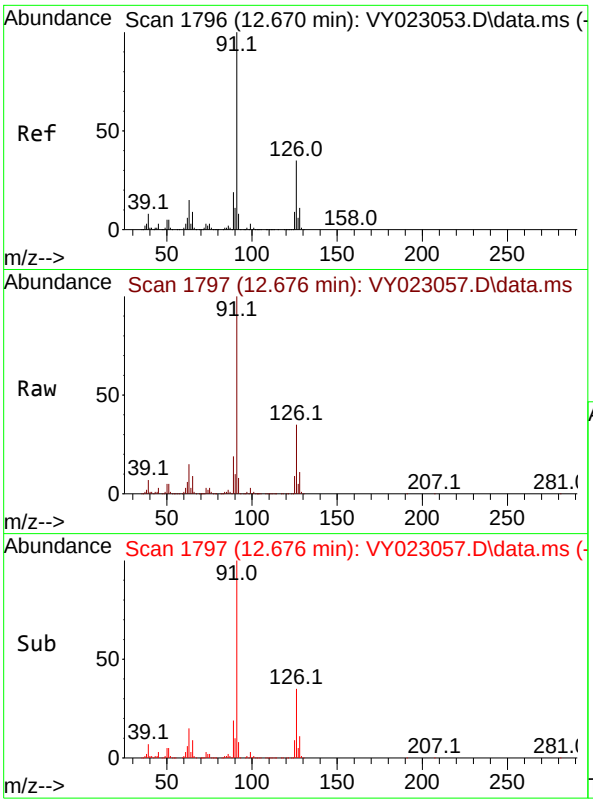


#78
n-propylbenzene
Concen: 50.853 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 1610911

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.5



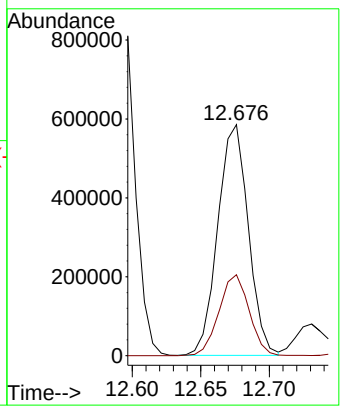


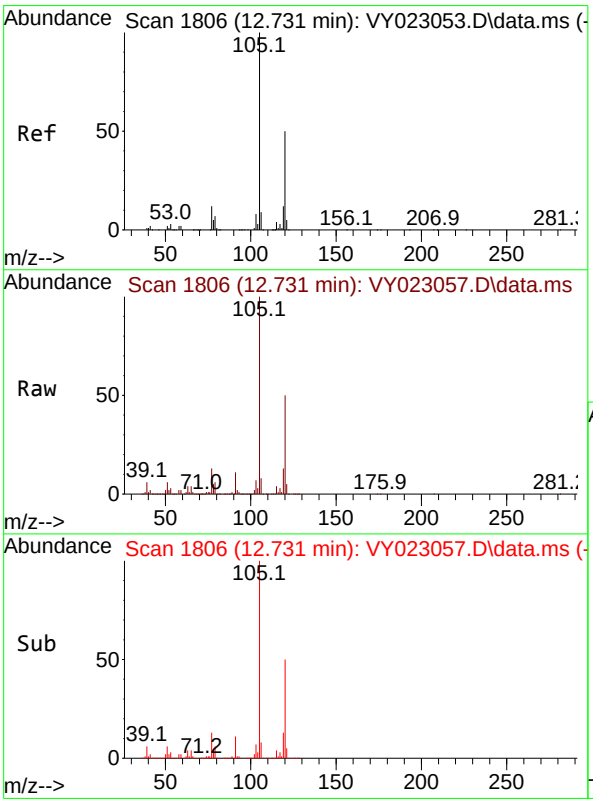
#79
2-Chlorotoluene
Concen: 49.898 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 91 Resp: 905657

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3

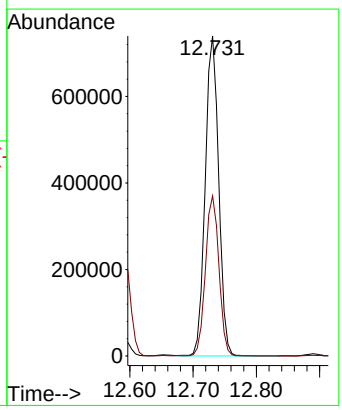


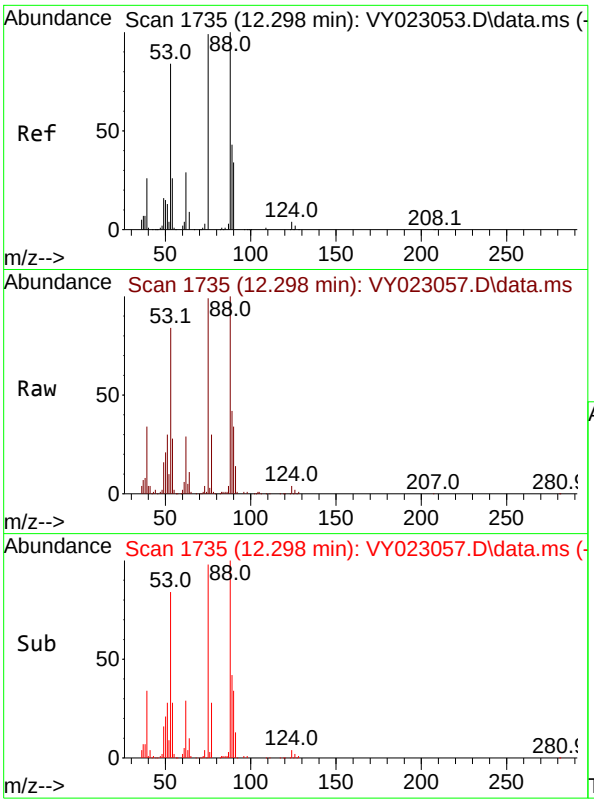


#80
1,3,5-Trimethylbenzene
Concen: 50.916 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:105 Resp: 1094902

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4



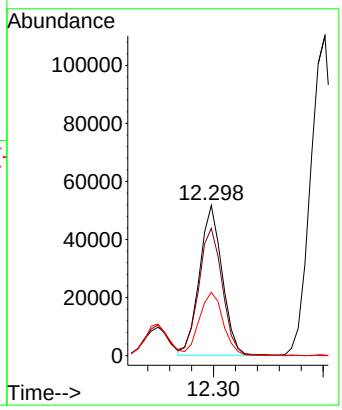


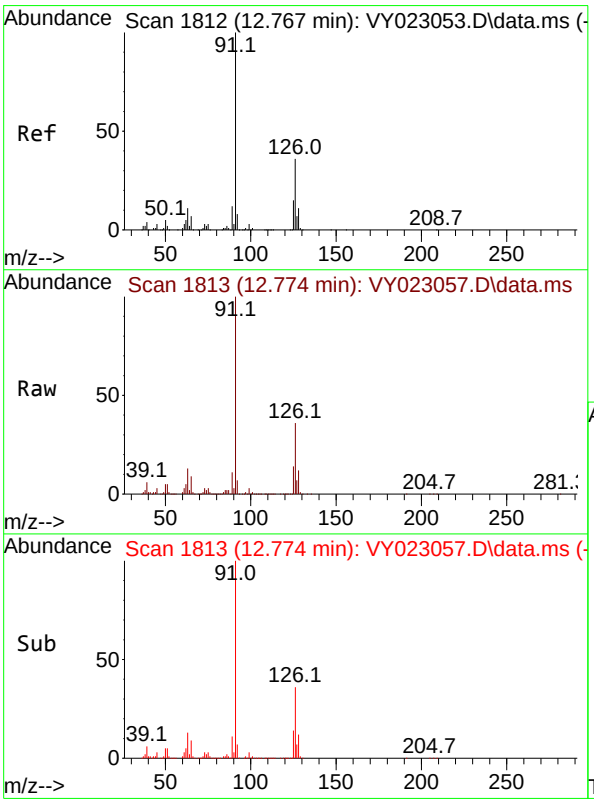
#81
trans-1,4-Dichloro-2-butene
Concen: 49.409 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 75 Resp: 74263

Ion	Ratio	Lower	Upper
75	100		
53	89.2	70.8	106.2
89	44.3	38.1	57.1

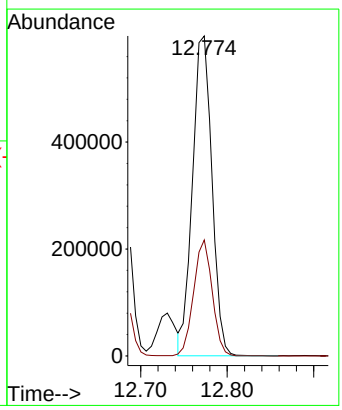


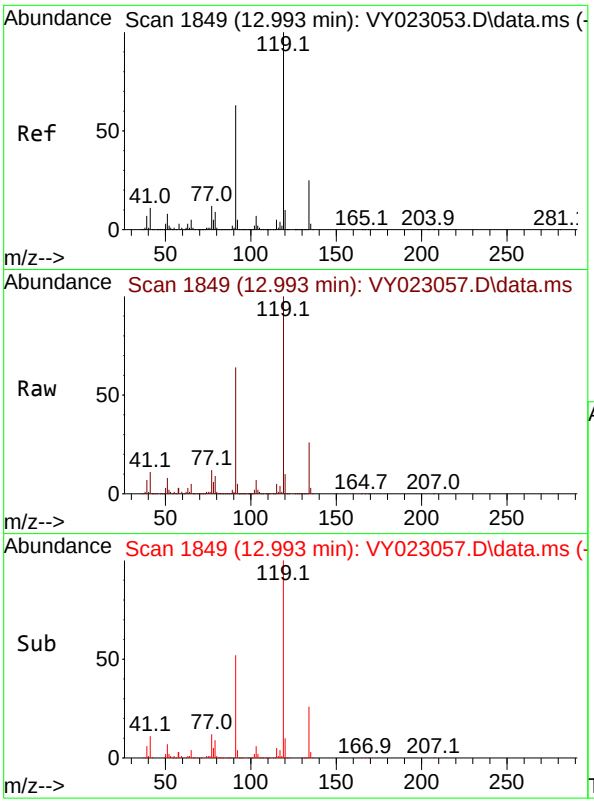


#82
4-Chlorotoluene
Concen: 49.505 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 932114

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



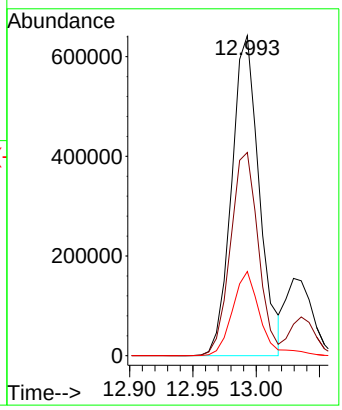


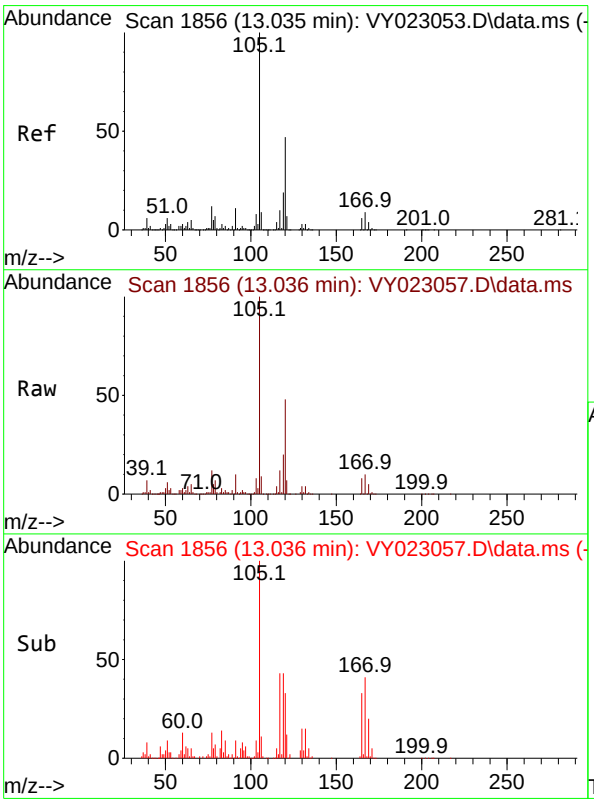
#83
tert-Butylbenzene
Concen: 50.443 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:119 Resp: 979692

Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	94.8
134	26.4	12.9	38.7

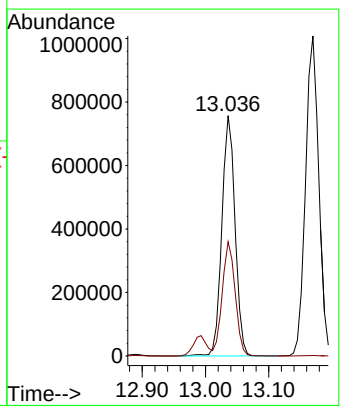


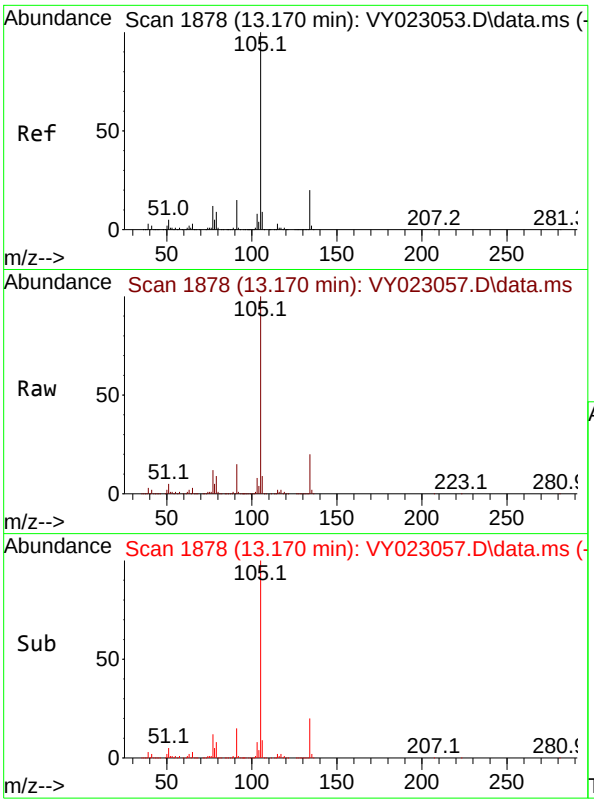


#84
1,2,4-Trimethylbenzene
Concen: 51.042 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:105 Resp: 1092616

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0



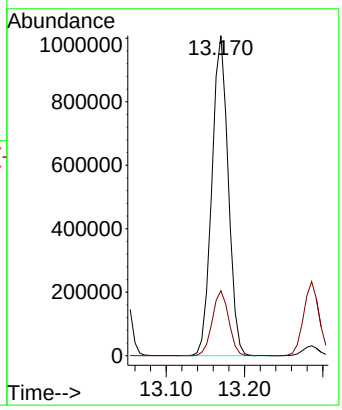


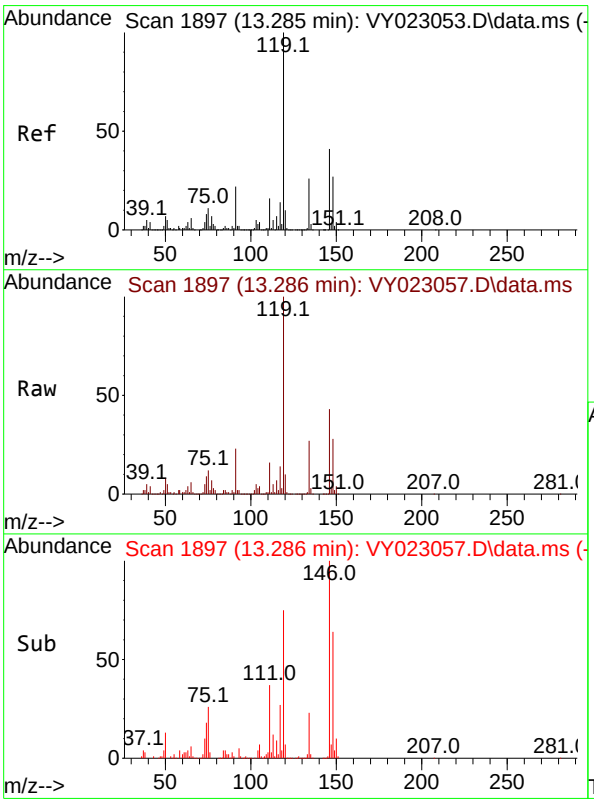
#85
sec-Butylbenzene
Concen: 51.154 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:105 Resp: 1459437

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

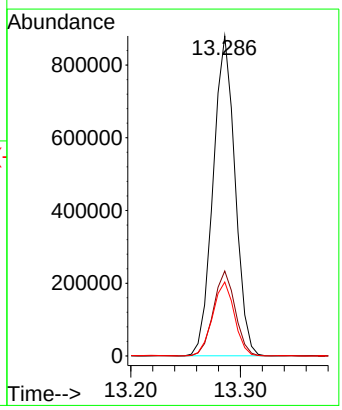


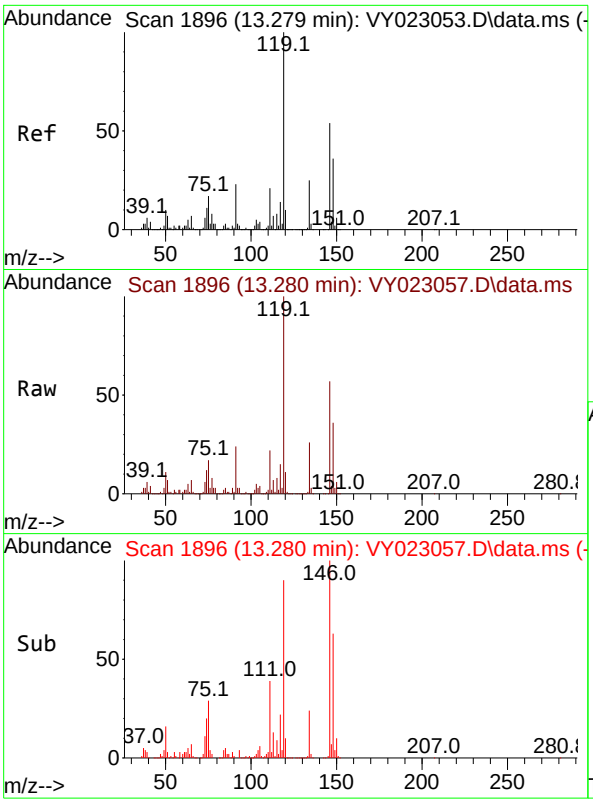


#86
p-Isopropyltoluene
Concen: 51.639 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:119 Resp: 1222900

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	22.9	11.3	33.8



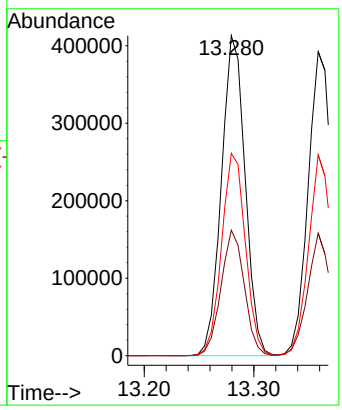


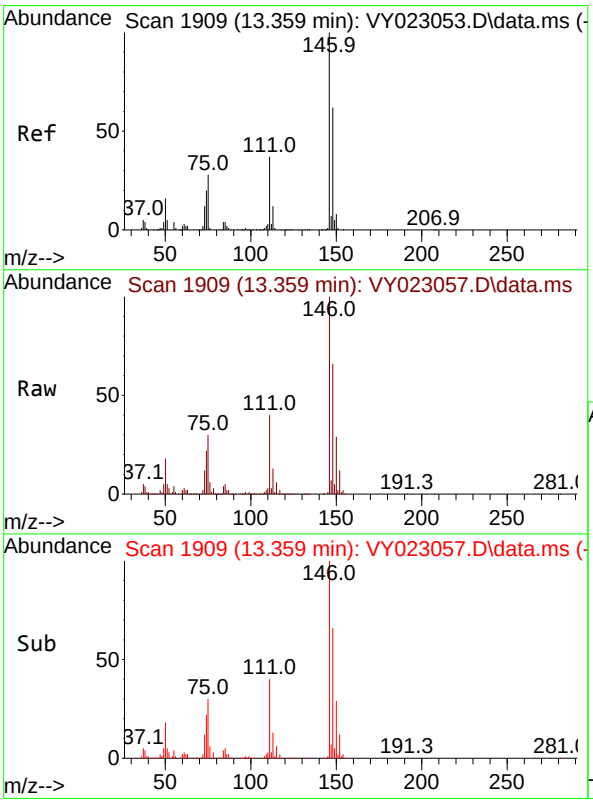
#87
1,3-Dichlorobenzene
Concen: 49.639 ug/l
RT: 13.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:146 Resp: 621371

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	63.5	32.5	97.5

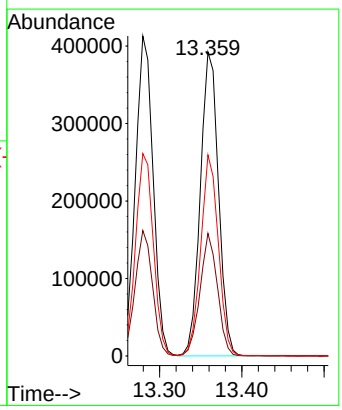


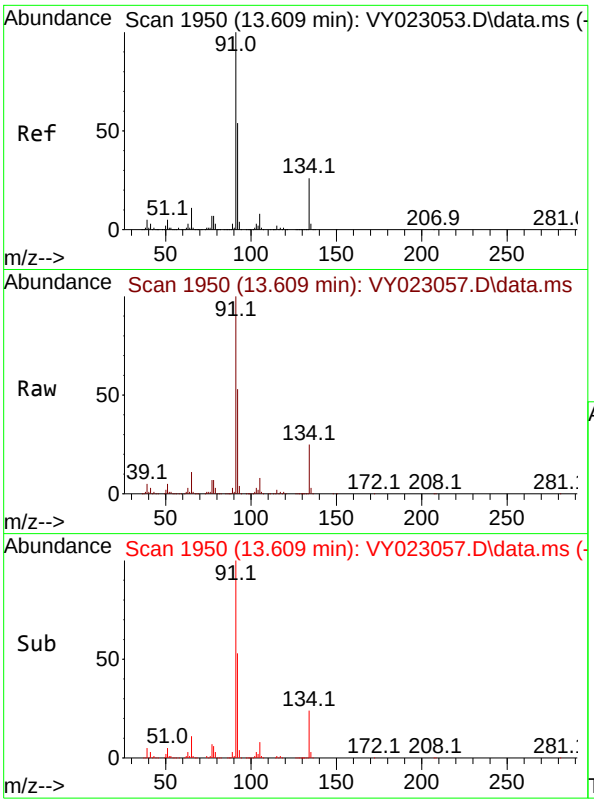


#88
1,4-Dichlorobenzene
Concen: 48.514 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:146 Resp: 602429

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.1	31.6	94.7



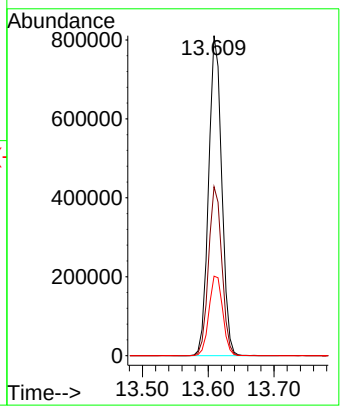


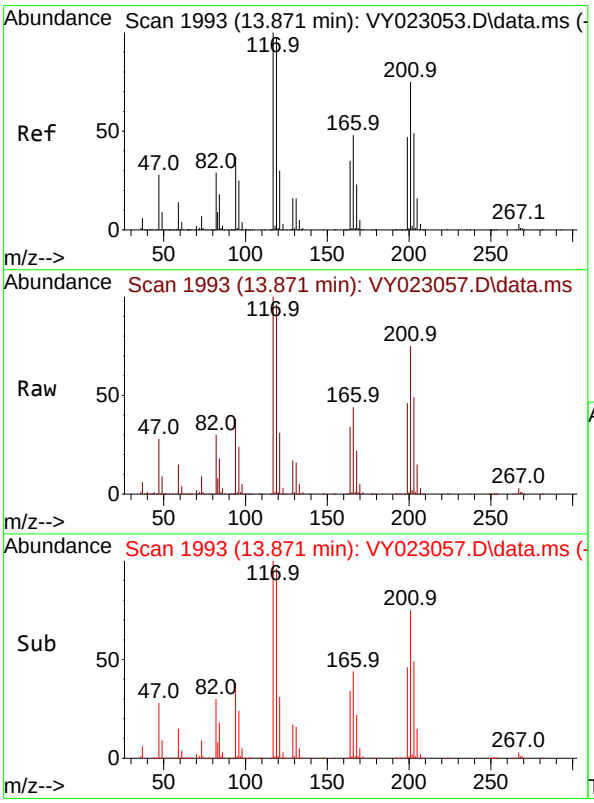
#89
n-Butylbenzene
Concen: 51.594 ug/l
RT: 13.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 91 Resp: 1122189

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	26.2	13.2	39.5

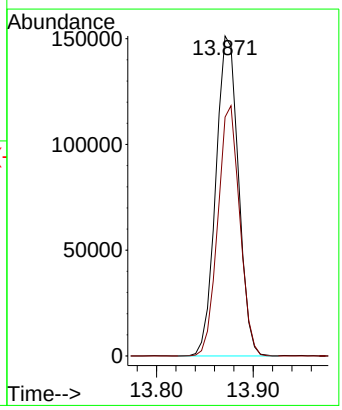


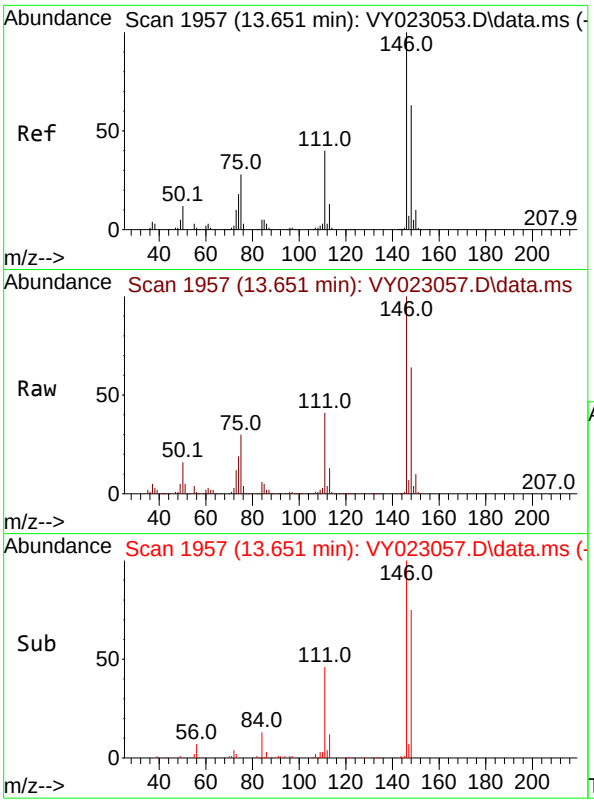


#90
Hexachloroethane
Concen: 50.617 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:117 Resp: 245386

Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.4	115.1



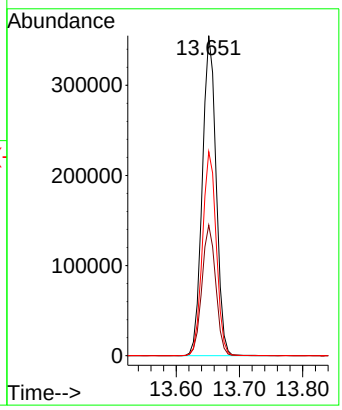


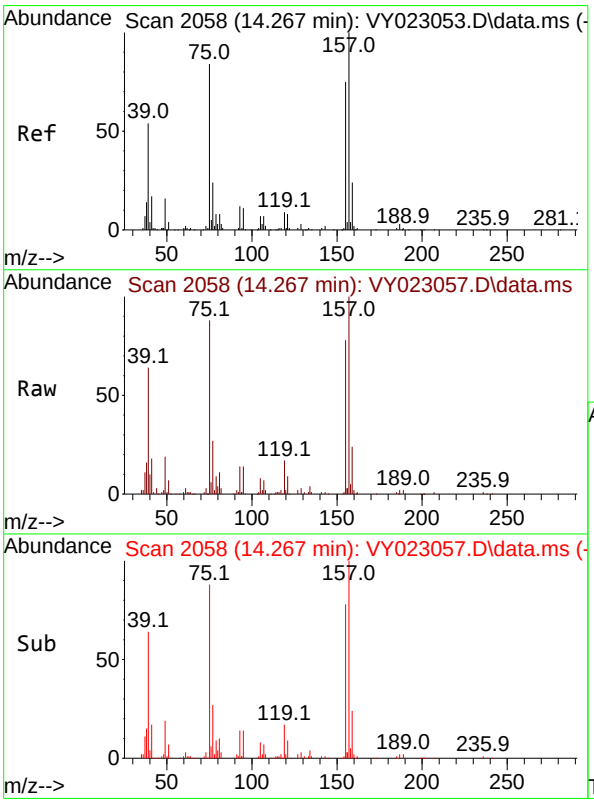
#91
1,2-Dichlorobenzene
Concen: 49.234 ug/l
RT: 13.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:146 Resp: 540506

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.5	32.2	96.6

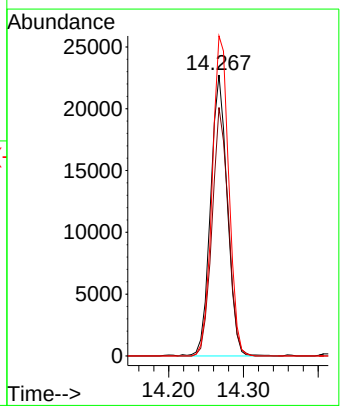


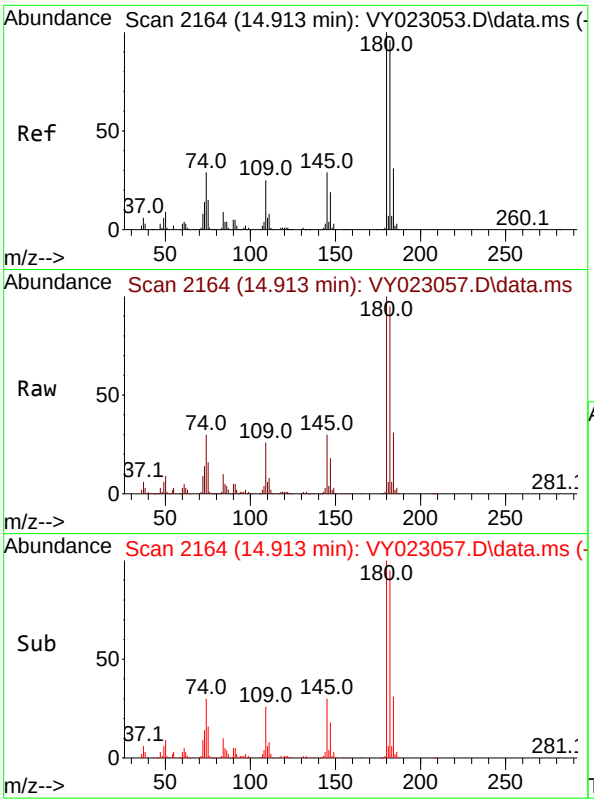


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.085 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 35428

Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.9	131.6
157	112.9	57.2	171.6



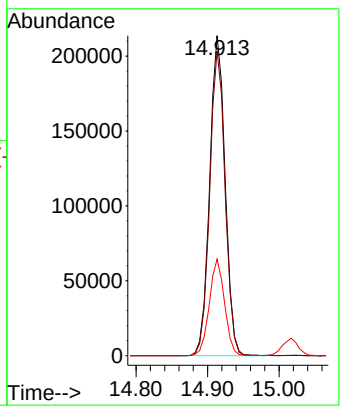


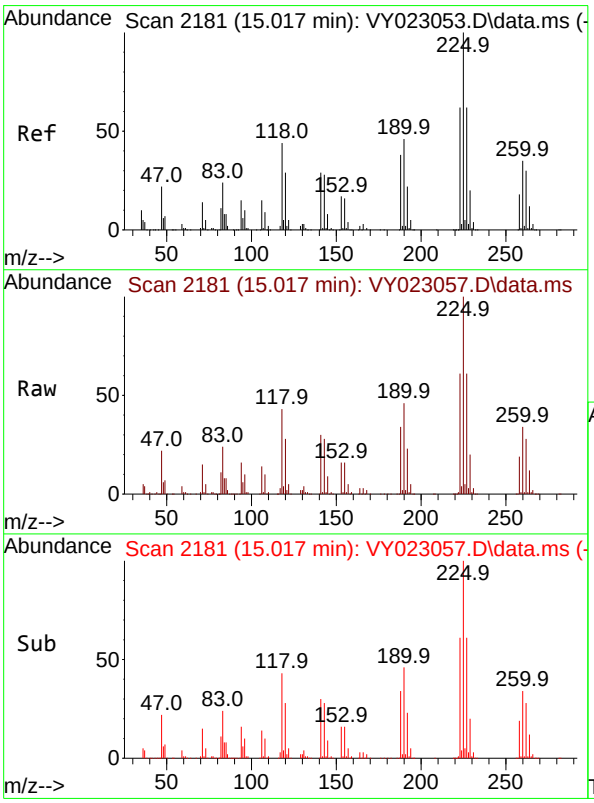
#93
1,2,4-Trichlorobenzene
Concen: 49.363 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:180 Resp: 320472

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.4
145	29.8	14.4	43.4

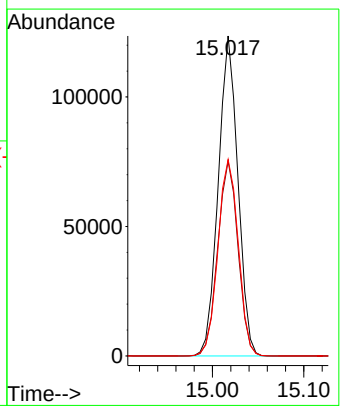


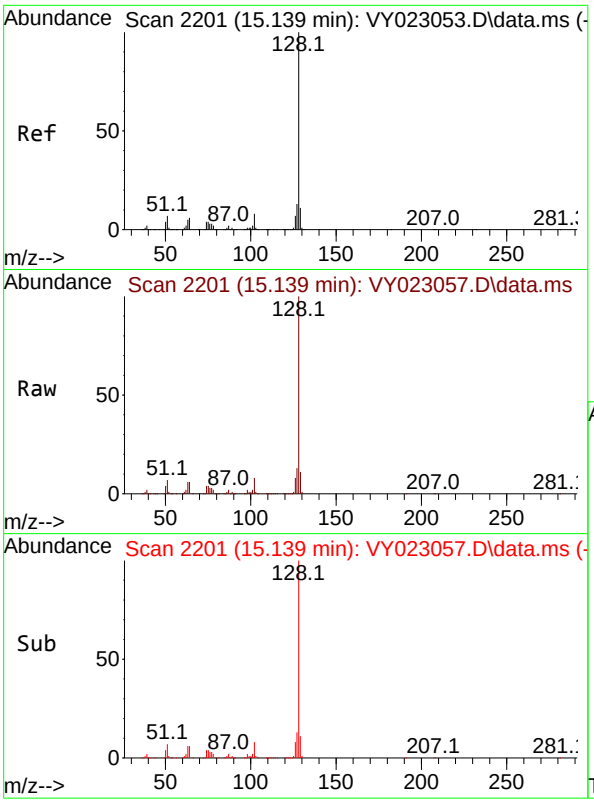


#94
Hexachlorobutadiene
Concen: 48.344 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:225 Resp: 184430

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	63.8	31.5	94.5



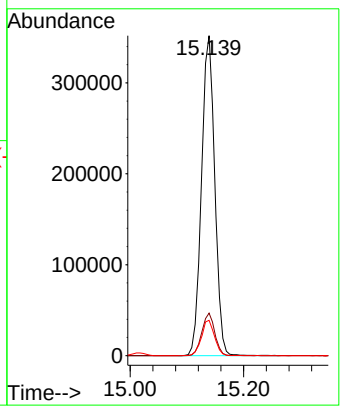


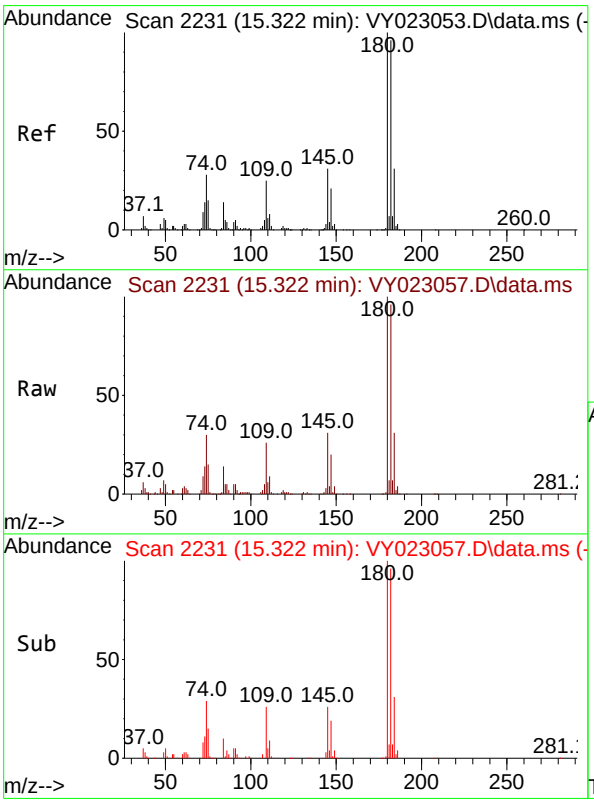
#95
Naphthalene
Concen: 51.623 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion:128 Resp: 571480

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	9.0	13.4

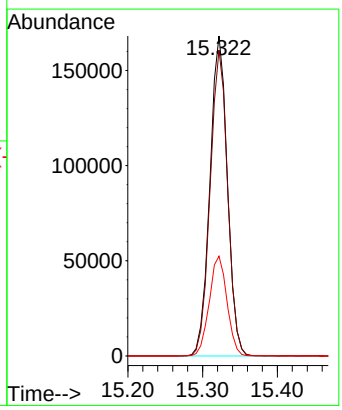




#96
1,2,3-Trichlorobenzene
Concen: 48.735 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:180 Resp: 272638

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	31.7	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	560294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	876189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	761785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	241668	45.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.520%			
35) Dibromofluoromethane	7.634	113	256133	48.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.700%			
50) Toluene-d8	10.109	98	1008048	49.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.401	95	326827	49.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	190057	41.557	ug/l	98
3) Chloromethane	2.074	50	316334	42.705	ug/l	99
4) Vinyl Chloride	2.208	62	416548	45.491	ug/l	100
5) Bromomethane	2.598	94	324698	47.481	ug/l	99
6) Chloroethane	2.739	64	284191	46.683	ug/l	100
7) Trichlorofluoromethane	3.056	101	508922	45.708	ug/l	100
8) Diethyl Ether	3.458	74	135802	46.102	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	266790	48.569	ug/l	99
10) Methyl Iodide	4.007	142	325506	54.916	ug/l	98
11) Tert butyl alcohol	4.866	59	79834	218.191	ug/l	99
12) 1,1-Dichloroethene	3.793	96	267212	49.491	ug/l	90
13) Acrolein	3.653	56	60662	113.207	ug/l	93
14) Allyl chloride	4.385	41	361978	45.563	ug/l	96
15) Acrylonitrile	5.061	53	279904	233.725	ug/l	99
16) Acetone	3.866	43	316768	273.812	ug/l	99
17) Carbon Disulfide	4.110	76	811887	46.117	ug/l	100
18) Methyl Acetate	4.385	43	147420	42.821	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	679197	48.545	ug/l	99
20) Methylene Chloride	4.616	84	287656	47.727	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	299764	49.404	ug/l	96
22) Diisopropyl ether	6.025	45	825090	47.793	ug/l	99
23) Vinyl Acetate	5.964	43	2298296	240.761	ug/l	100
24) 1,1-Dichloroethane	5.921	63	508733	48.199	ug/l	99
25) 2-Butanone	6.896	43	384462	244.351	ug/l	97
26) 2,2-Dichloropropane	6.890	77	468257	51.414	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	351019	50.042	ug/l	98
28) Bromochloromethane	7.244	49	186381	44.509	ug/l	95
29) Tetrahydrofuran	7.262	42	221133	226.737	ug/l	96
30) Chloroform	7.421	83	536519	49.287	ug/l	95
31) Cyclohexane	7.701	56	460210	46.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	483961	50.106	ug/l	100
36) 1,1-Dichloropropene	7.835	75	395952	50.818	ug/l	99
37) Ethyl Acetate	6.988	43	157126	48.006	ug/l	99
38) Carbon Tetrachloride	7.817	117	436510	51.581	ug/l	99
39) Methylcyclohexane	9.109	83	531826	51.832	ug/l	97
40) Benzene	8.079	78	1210380	50.401	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	75919	40.191 ug/l #	84
42) 1,2-Dichloroethane	8.158	62	300070	48.044 ug/l	100
43) Isopropyl Acetate	8.201	43	308955	46.703 ug/l #	84
44) Trichloroethene	8.866	130	319381	51.463 ug/l	100
45) 1,2-Dichloropropane	9.146	63	276520	50.044 ug/l	97
46) Dibromomethane	9.231	93	157422	49.637 ug/l	99
47) Bromodichloromethane	9.426	83	406246	49.781 ug/l	97
48) Methyl methacrylate	9.219	41	152020	48.023 ug/l	97
49) 1,4-Dioxane	9.231	88	34759	934.713 ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	822061	240.906 ug/l	98
52) Toluene	10.170	92	788070	51.669 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	377708	51.112 ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	441435	50.516 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	213063	50.206 ug/l	97
56) Ethyl methacrylate	10.438	69	276182	50.859 ug/l	99
57) 1,3-Dichloropropane	10.719	76	354628	49.273 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	622022	242.835 ug/l	97
59) 2-Hexanone	10.762	43	592202	254.865 ug/l	98
60) Dibromochloromethane	10.914	129	285374	50.963 ug/l	99
61) 1,2-Dibromoethane	11.018	107	201073	50.411 ug/l	100
64) Tetrachloroethene	10.646	164	342427	50.340 ug/l	98
65) Chlorobenzene	11.444	112	858367	52.238 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	295011	52.900 ug/l	99
67) Ethyl Benzene	11.517	91	1494465	52.850 ug/l	99
68) m/p-Xylenes	11.627	106	1186104	107.397 ug/l	98
69) o-Xylene	11.956	106	557951	53.940 ug/l	100
70) Styrene	11.969	104	930498	55.007 ug/l	98
71) Bromoform	12.133	173	166298	51.022 ug/l	99
73) Isopropylbenzene	12.255	105	1455261	52.528 ug/l	99
74) N-amyl acetate	12.072	43	285441	48.584 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	230085	48.639 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	307699	81.222 ug/l #	100
77) Bromobenzene	12.529	156	336874	50.968 ug/l	97
78) n-propylbenzene	12.597	91	1741756	52.806 ug/l	99
79) 2-Chlorotoluene	12.676	91	975057	51.594 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1191826	53.229 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	77577	49.570 ug/l	98
82) 4-Chlorotoluene	12.773	91	1000547	51.036 ug/l	99
83) tert-Butylbenzene	12.993	119	1091125	53.956 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1191535	53.459 ug/l	100
85) sec-Butylbenzene	13.176	105	1594423	53.673 ug/l	100
86) p-Isopropyltoluene	13.292	119	1357746	55.063 ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	680781	52.231 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	663039	51.281 ug/l	99
89) n-Butylbenzene	13.615	91	1231645	54.384 ug/l	99
90) Hexachloroethane	13.877	117	264268	52.354 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	588570	51.489 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34676	47.081 ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	345818	51.158 ug/l	99
94) Hexachlorobutadiene	15.023	225	202124	50.885 ug/l	99
95) Naphthalene	15.145	128	590257	51.208 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	288433	49.517 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

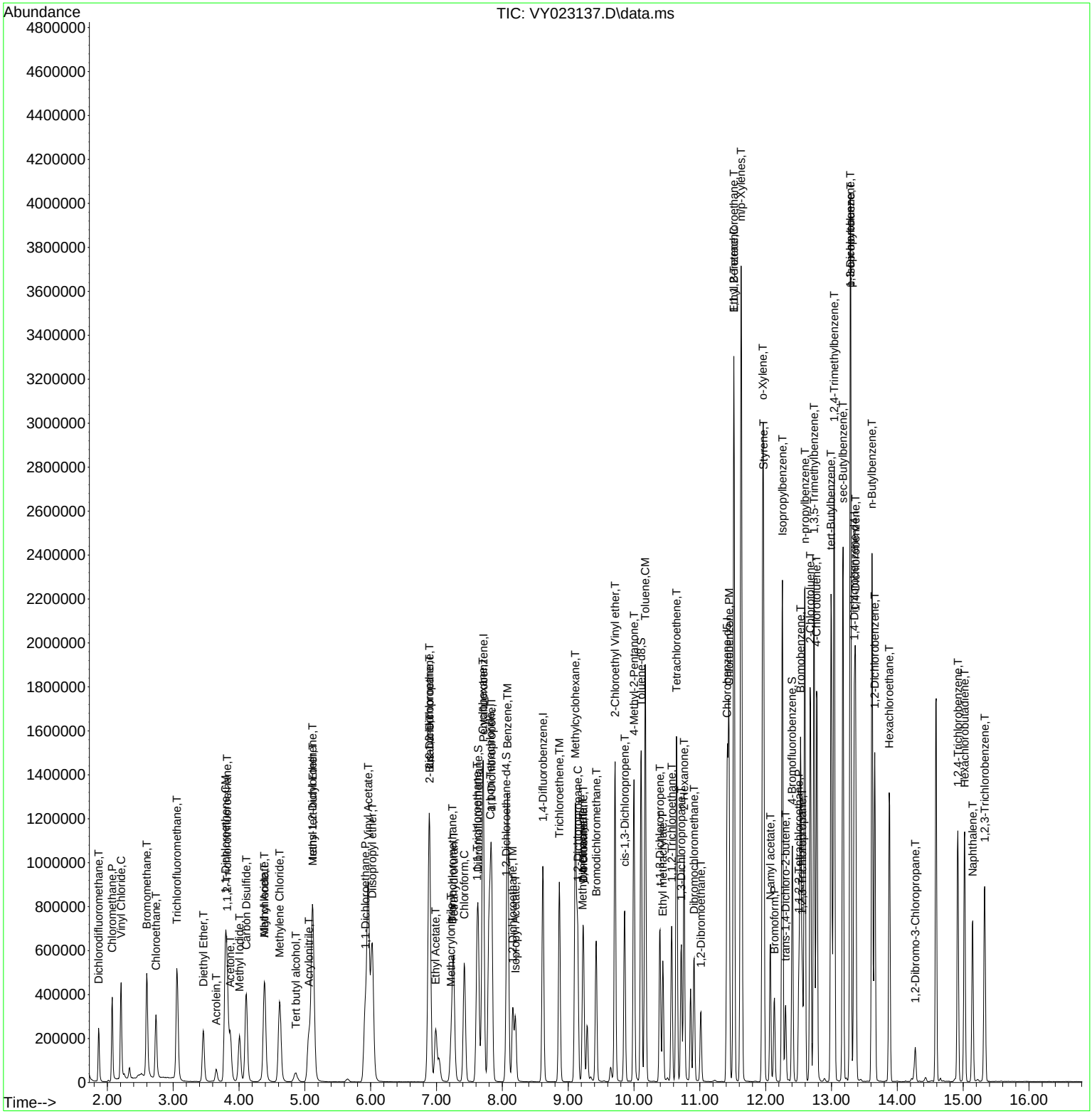
(#) = qualifier out of range (m) = manual integration (+) = signals summed

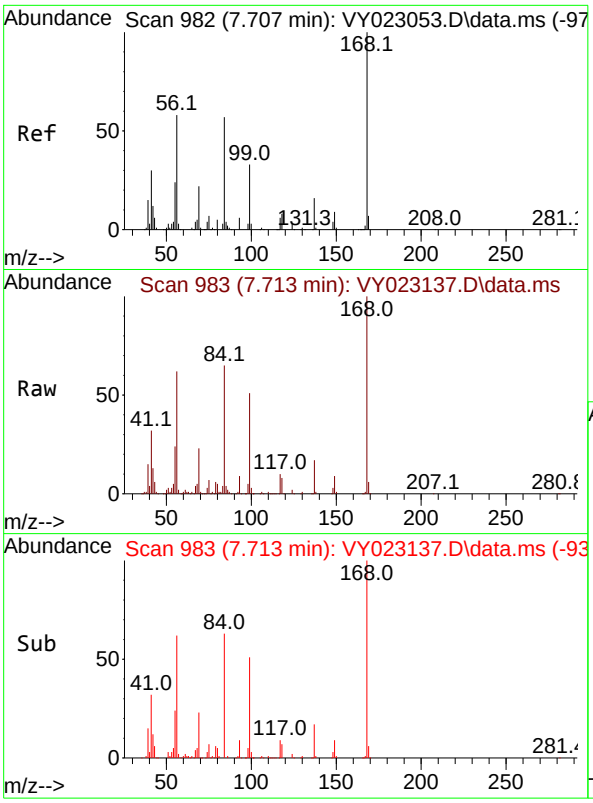
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
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: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



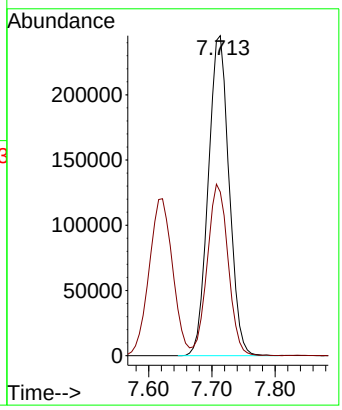


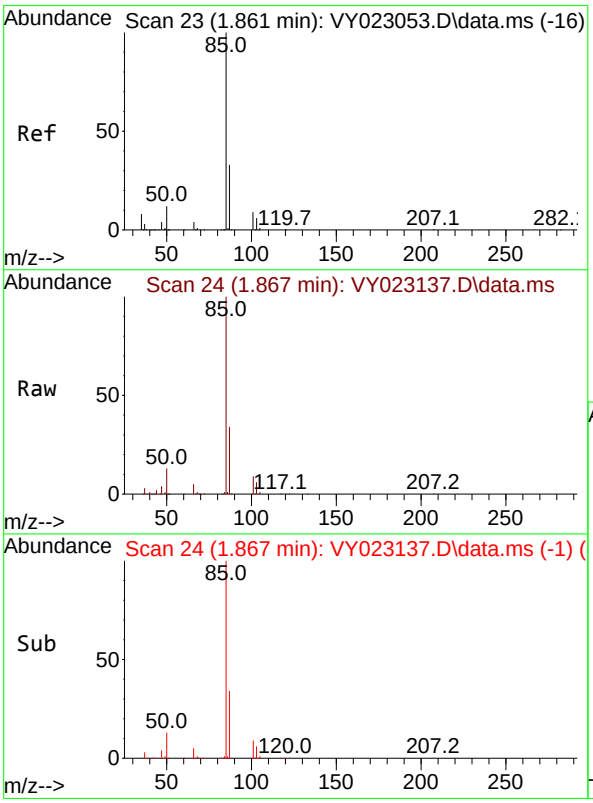
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 560294

Ion	Ratio	Lower	Upper
168	100		
99	51.1	42.8	64.2

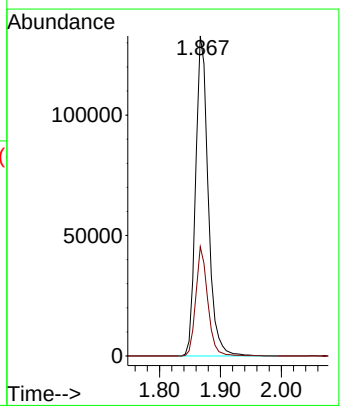


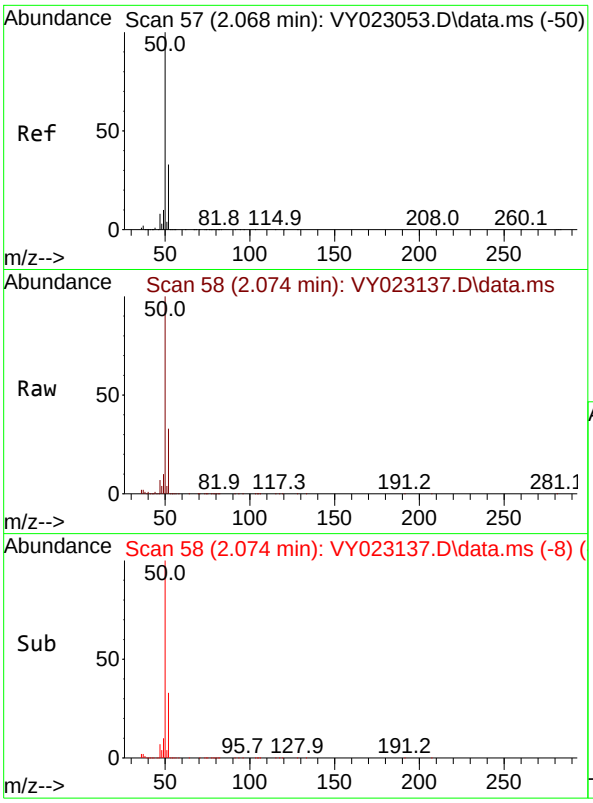


#2
Dichlorodifluoromethane
Concen: 41.557 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 85 Resp: 190057

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.6	49.8



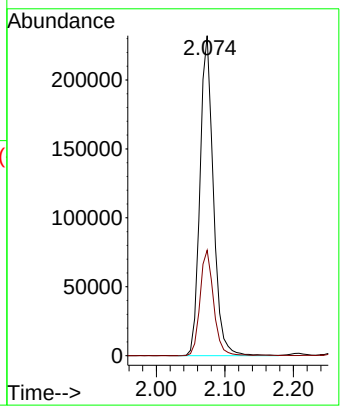


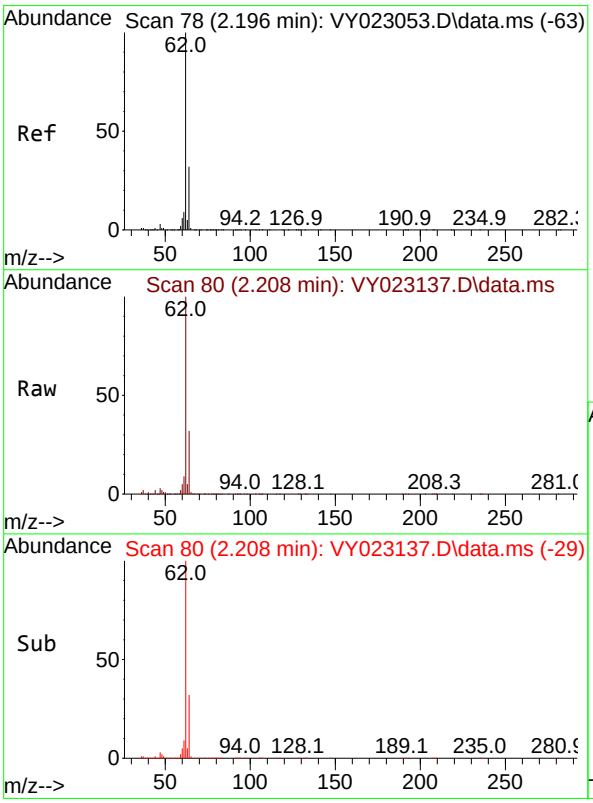
#3
Chloromethane
Concen: 42.705 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 316334

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.7	40.1

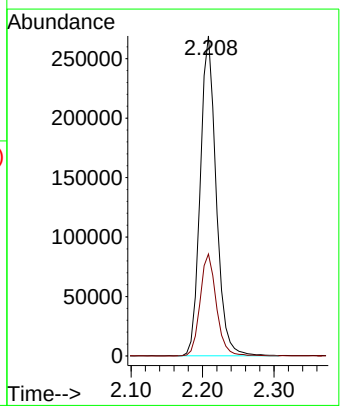


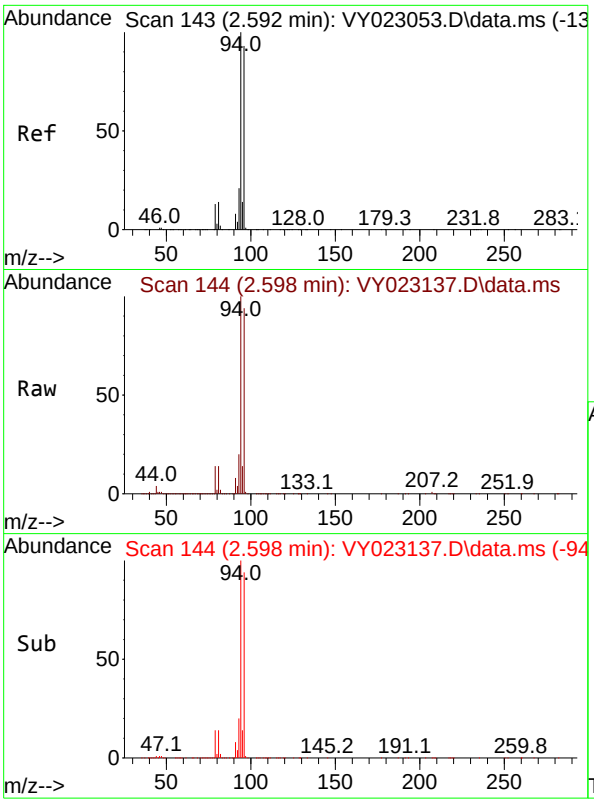


#4
Vinyl Chloride
Concen: 45.491 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 62 Resp: 416548

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0



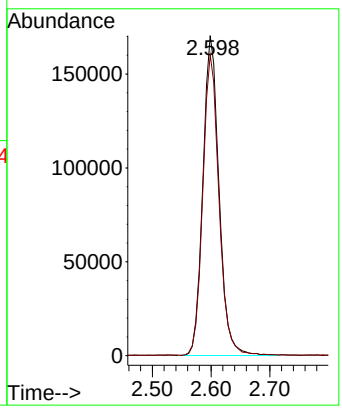


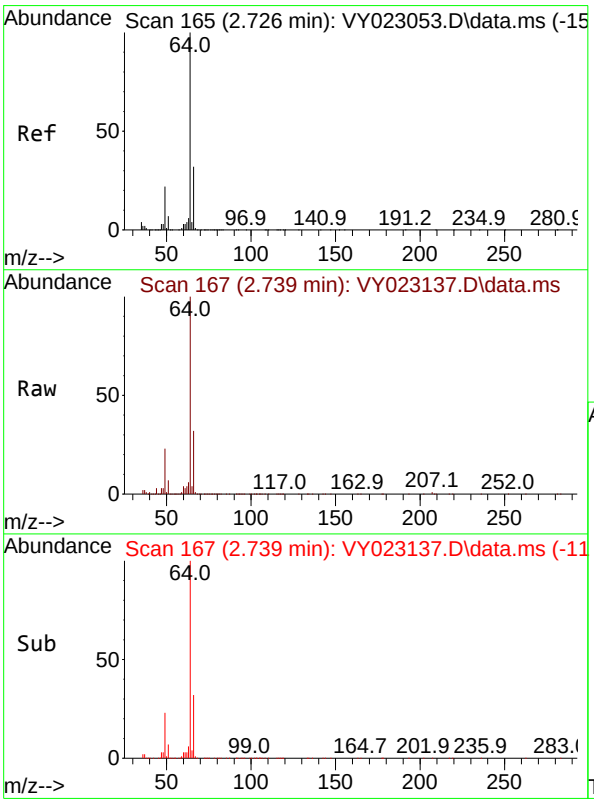
#5
Bromomethane
Concen: 47.481 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 324698

Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.6	112.0

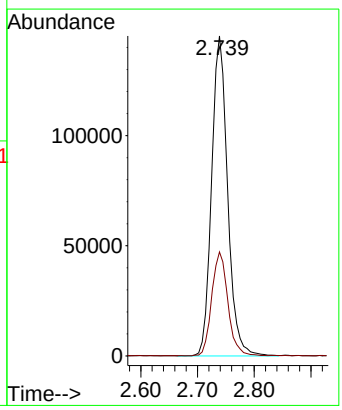


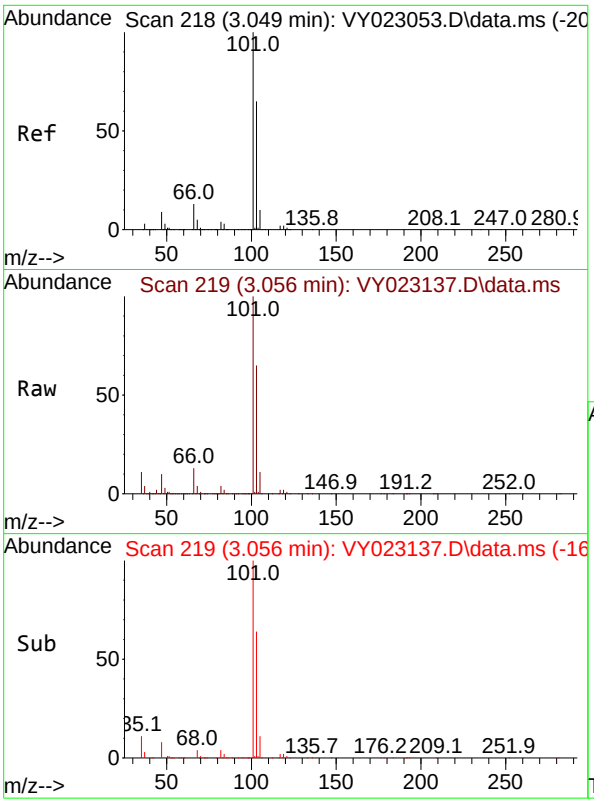


#6
Chloroethane
Concen: 46.683 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 64 Resp: 284191

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.8	38.6



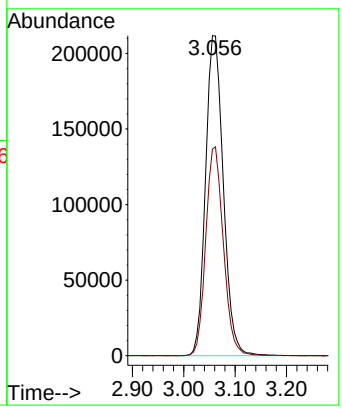


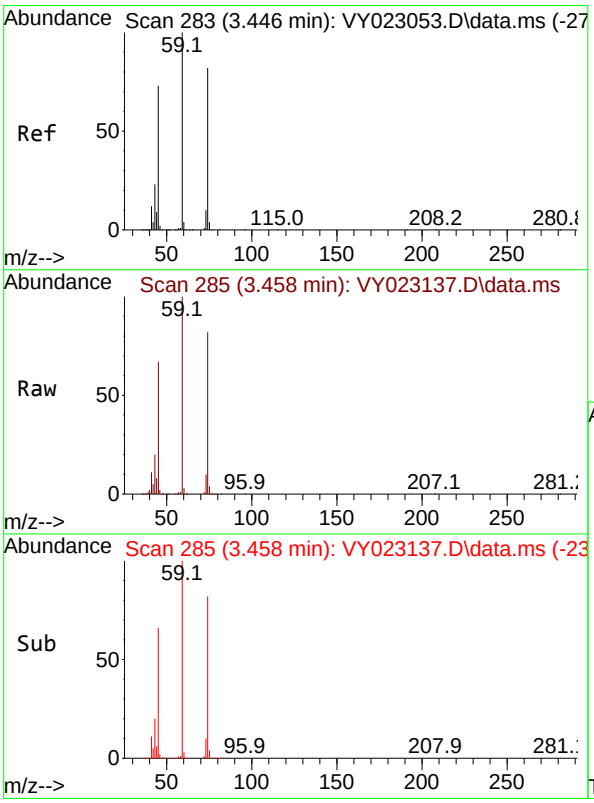
#7
Trichlorofluoromethane
Concen: 45.708 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 508922

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.9	77.9

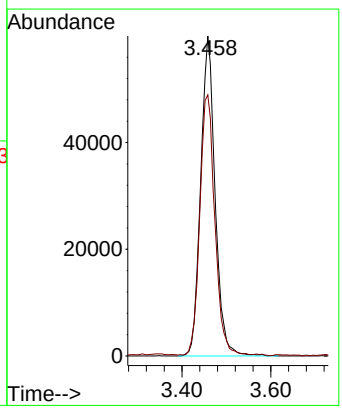


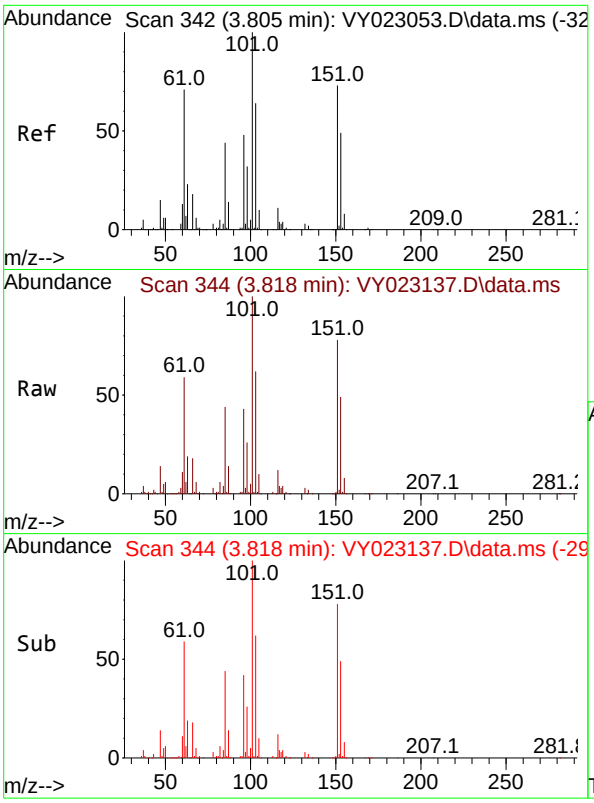


#8
Diethyl Ether
Concen: 46.102 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 74 Resp: 135802

Ion	Ratio	Lower	Upper
74	100		
45	84.4	44.4	133.2



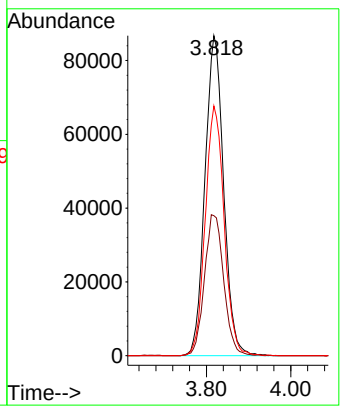


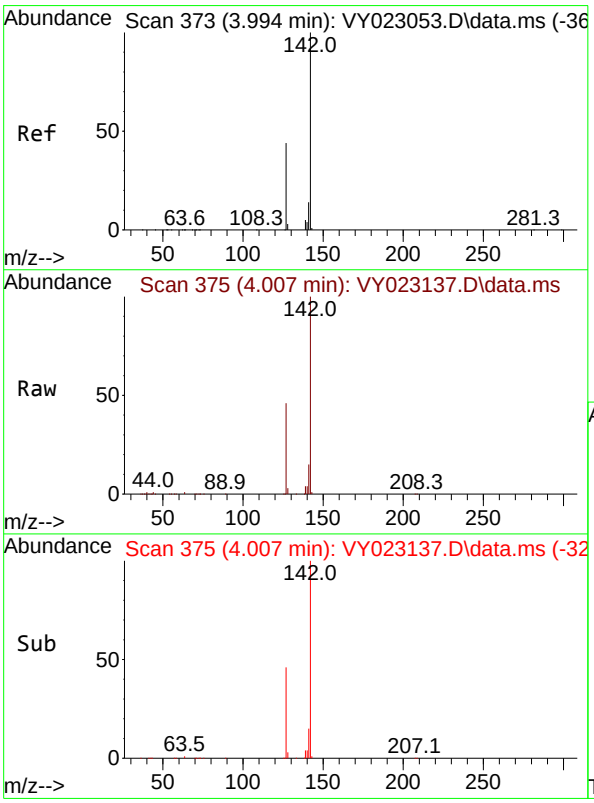
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.569 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 266790

Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.3	54.5
151	78.8	61.5	92.3

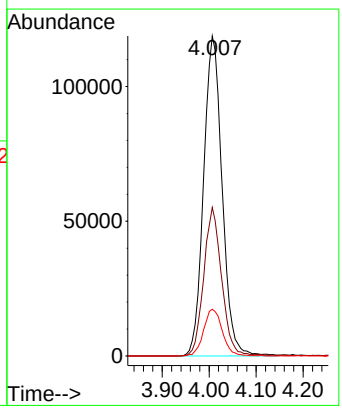


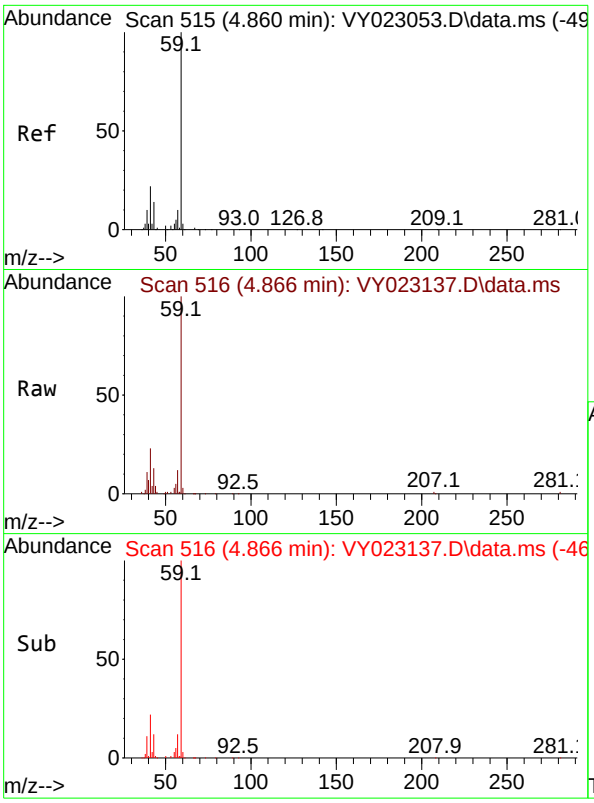


#10
Methyl Iodide
Concen: 54.916 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:142 Resp: 325506

Ion	Ratio	Lower	Upper
142	100		
127	44.6	34.9	52.3
141	14.7	11.3	16.9



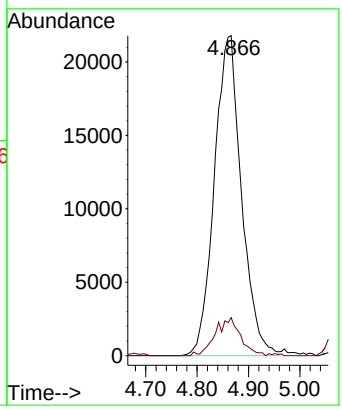


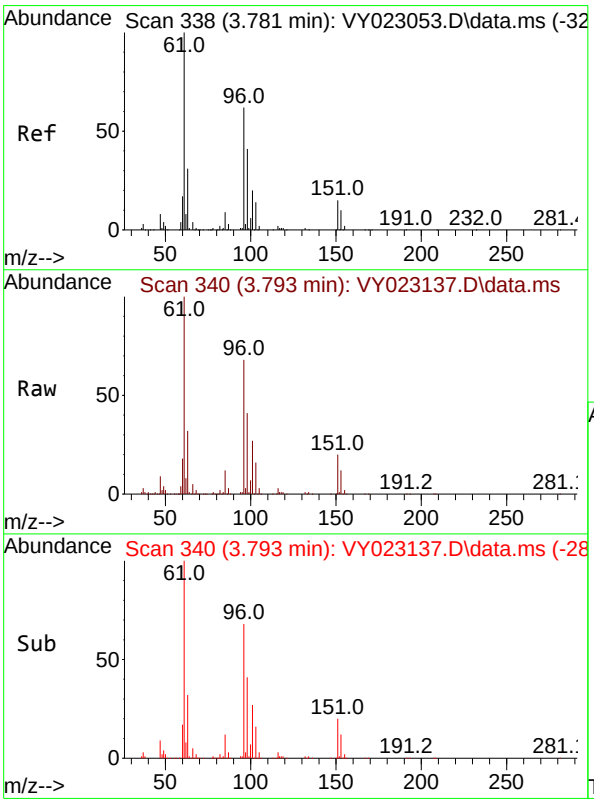
#11
Tert butyl alcohol
Concen: 218.191 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 79834

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0

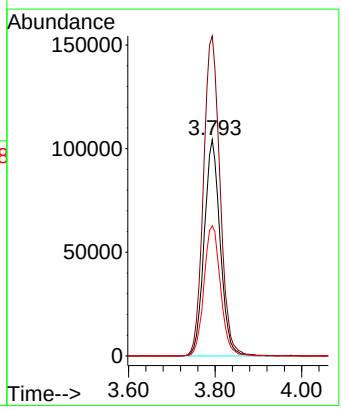


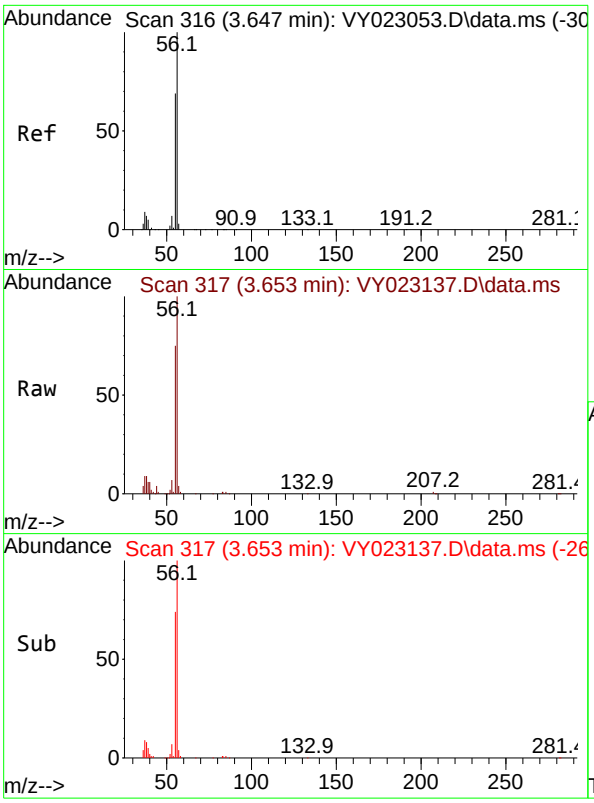


#12
1,1-Dichloroethene
Concen: 49.491 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 96 Resp: 267212

Ion	Ratio	Lower	Upper
96	100		
61	148.0	129.4	194.2
98	60.2	52.8	79.2



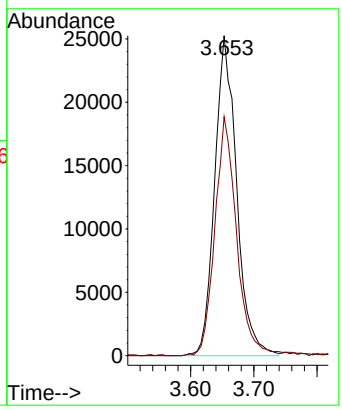


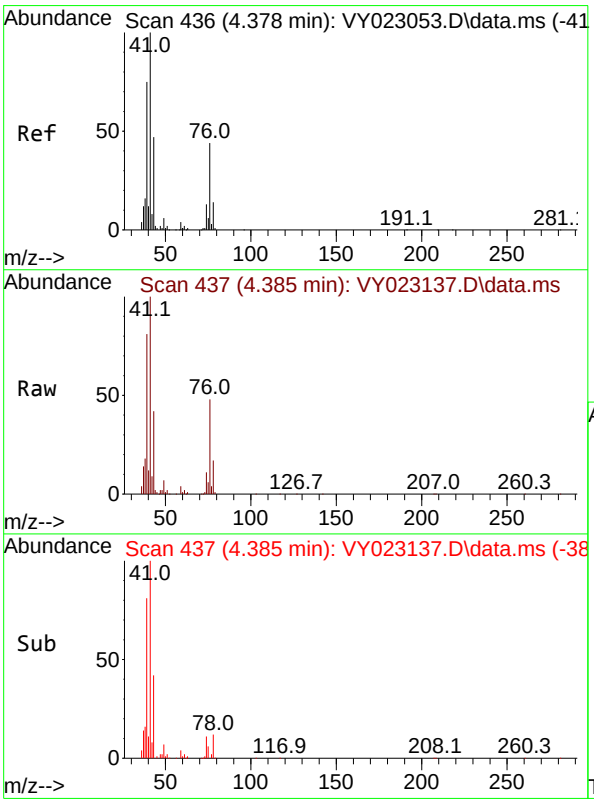
#13
Acrolein
Concen: 113.207 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 60662

Ion	Ratio	Lower	Upper
56	100		
55	74.5	55.2	82.8

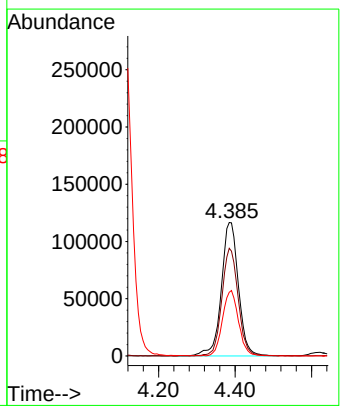


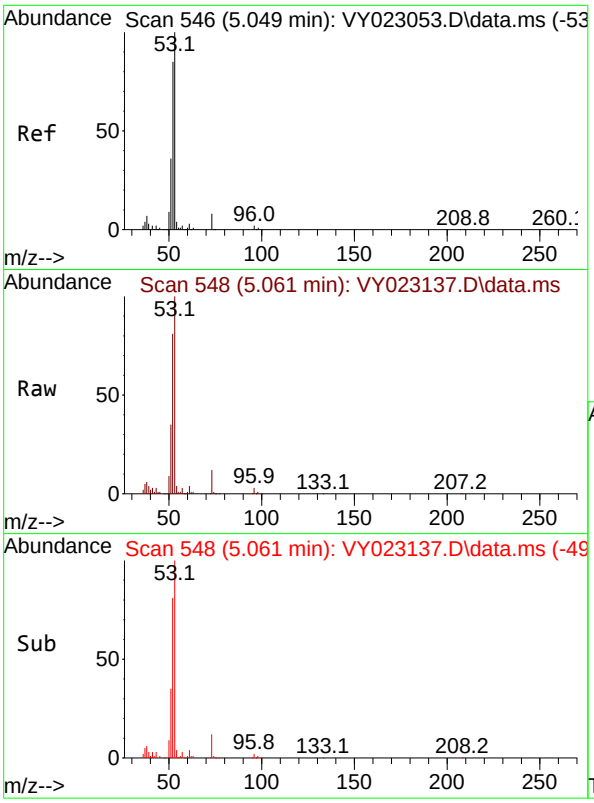


#14
Allyl chloride
Concen: 45.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 361978

Ion	Ratio	Lower	Upper
41	100		
39	76.6	59.8	89.6
76	46.0	33.7	50.5



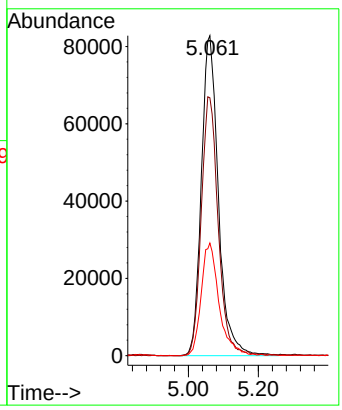


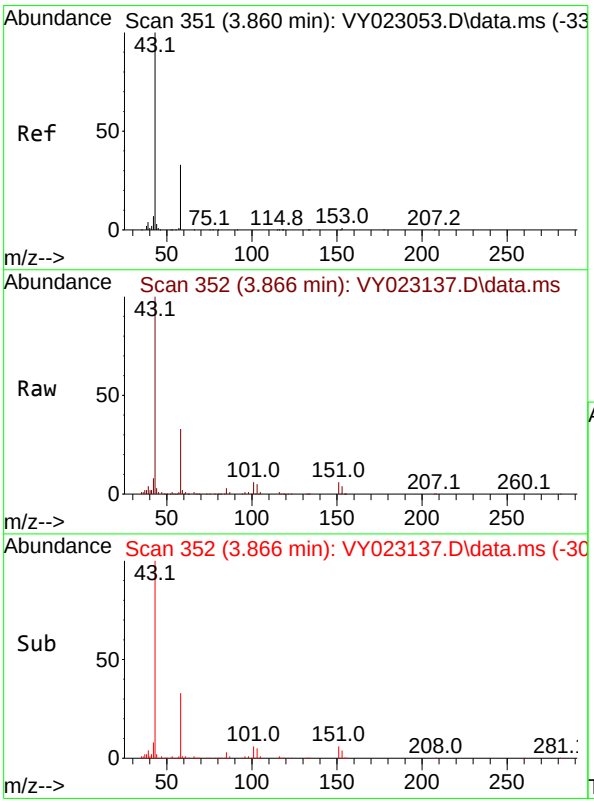
#15
Acrylonitrile
Concen: 233.725 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 279904

Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.3	97.9
51	36.9	29.5	44.3

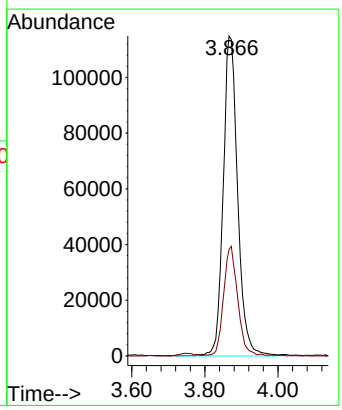


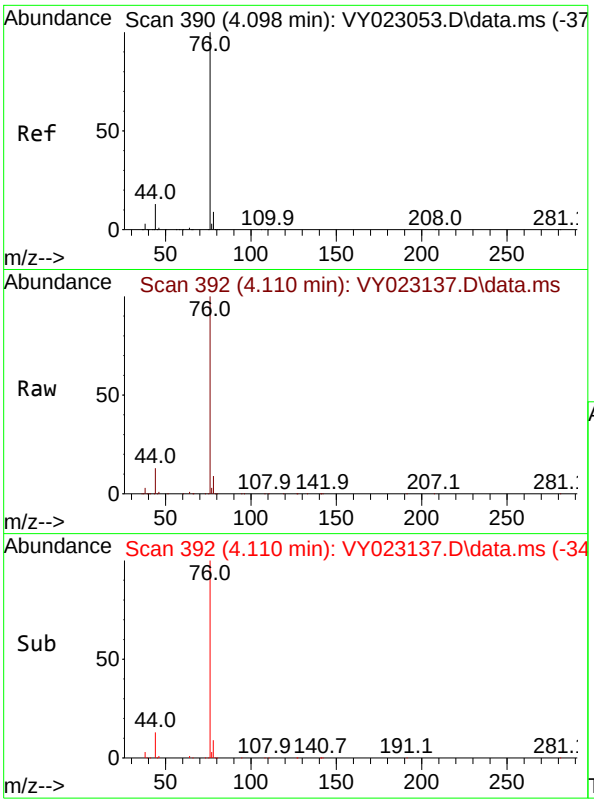


#16
Acetone
Concen: 273.812 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 316768

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.1	40.7



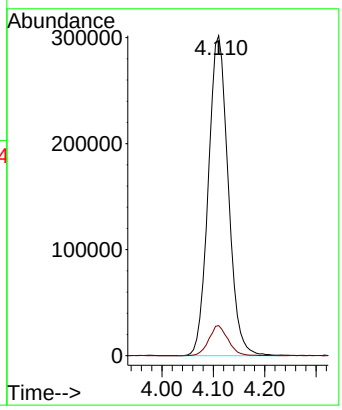


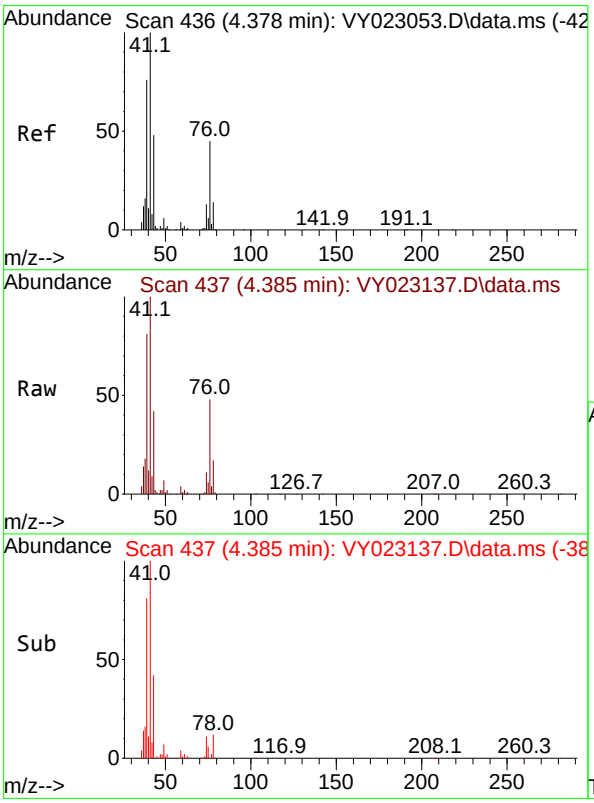
#17
Carbon Disulfide
Concen: 46.117 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 811887

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

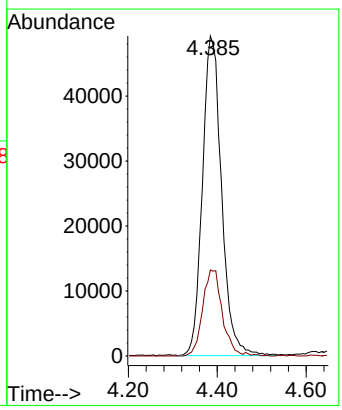


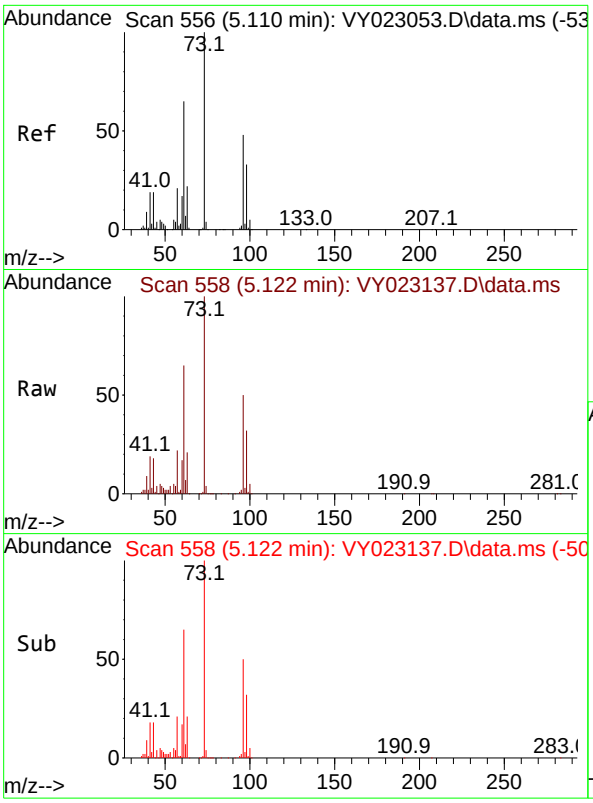


#18
Methyl Acetate
Concen: 42.821 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 147420

Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.2	31.8



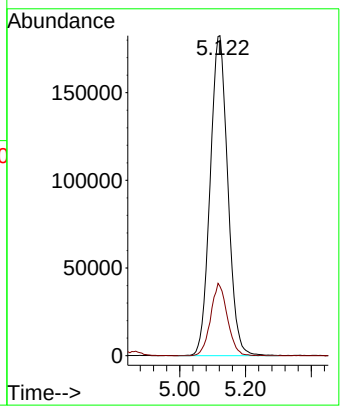


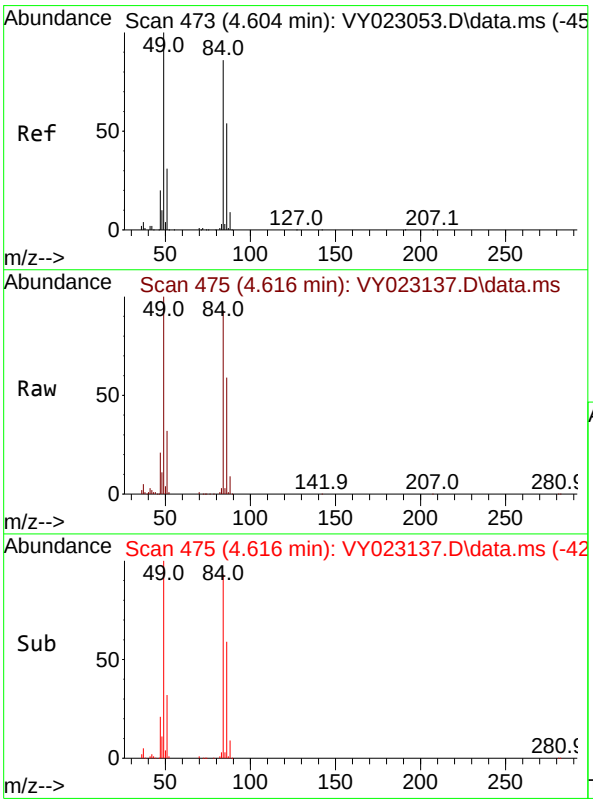
#19
Methyl tert-butyl Ether
Concen: 48.545 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 679197

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7

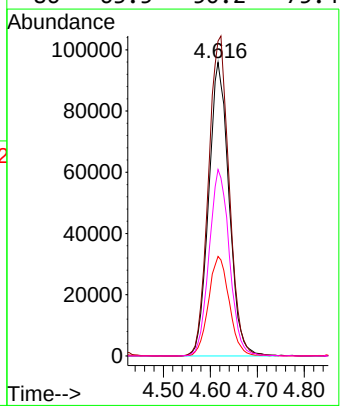


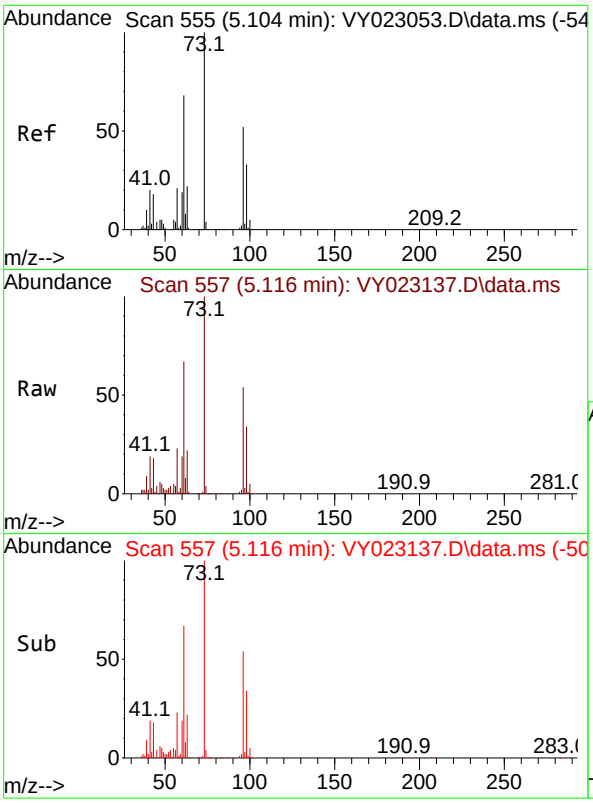


#20
Methylene Chloride
Concen: 47.727 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 84 Resp: 287656

Ion	Ratio	Lower	Upper
84	100		
49	107.3	93.0	139.6
51	33.9	29.0	43.4
86	63.5	50.2	75.4



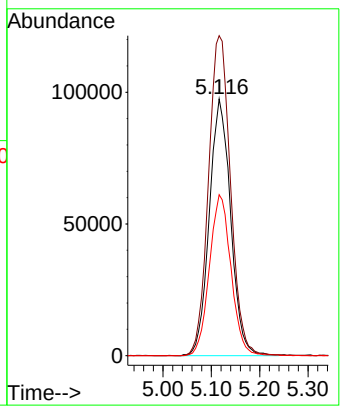


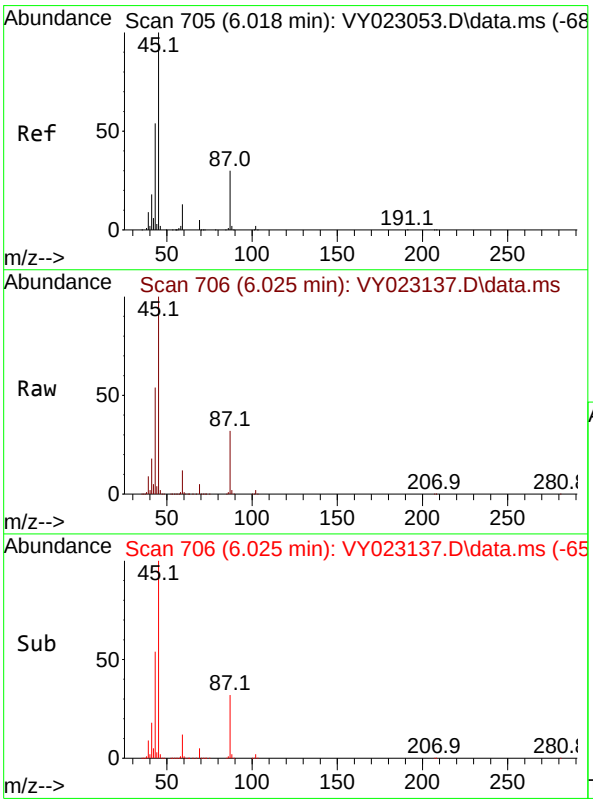
#21
trans-1,2-Dichloroethene
Concen: 49.404 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 299764

Ion	Ratio	Lower	Upper
96	100		
61	124.6	104.8	157.2
98	62.6	50.1	75.1

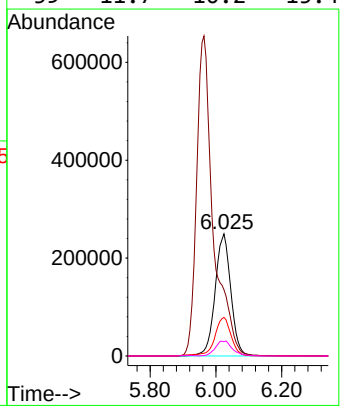


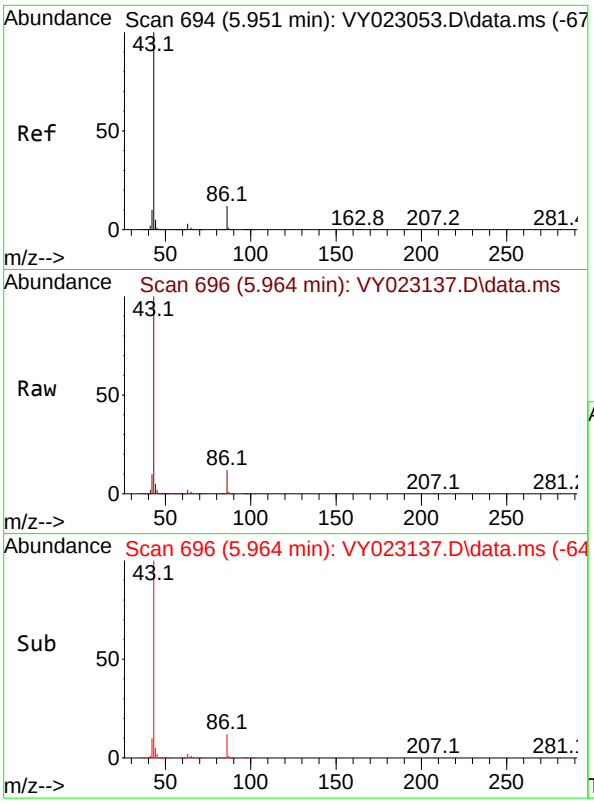


#22
Diisopropyl ether
Concen: 47.793 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 45 Resp: 825090

Ion	Ratio	Lower	Upper
45	100		
43	54.3	43.4	65.0
87	31.6	24.4	36.6
59	11.7	10.2	15.4



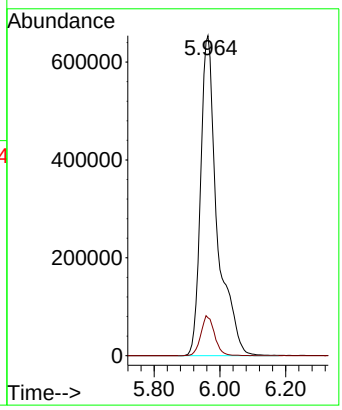


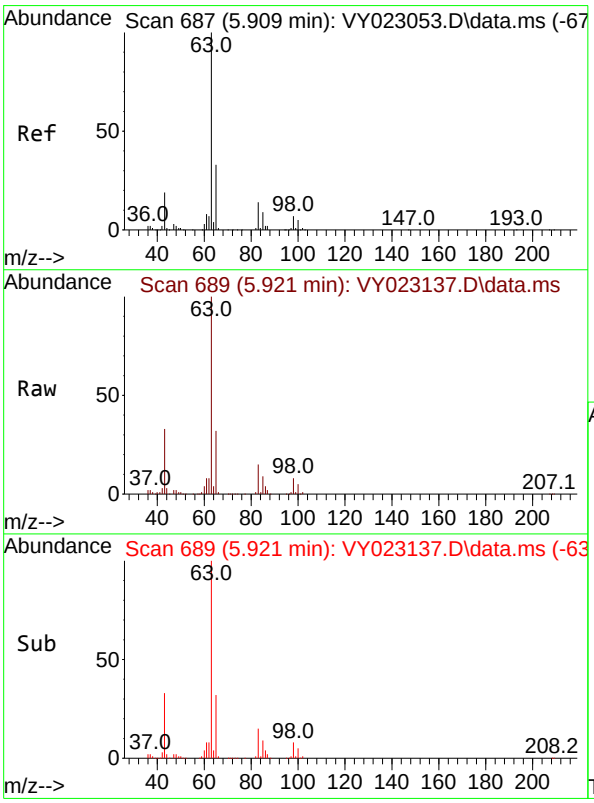
#23
Vinyl Acetate
Concen: 240.761 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2298296

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.6	14.4

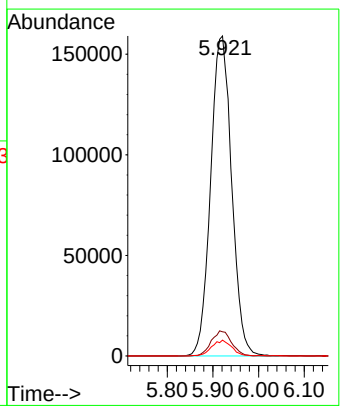


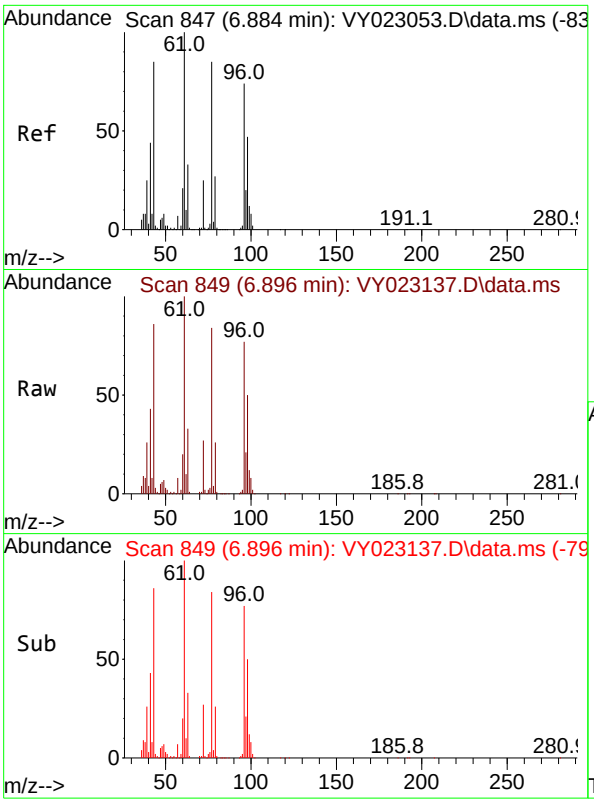


#24
1,1-Dichloroethane
Concen: 48.199 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 508733

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	5.0	2.4	7.1



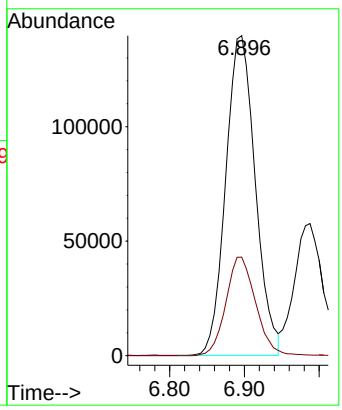


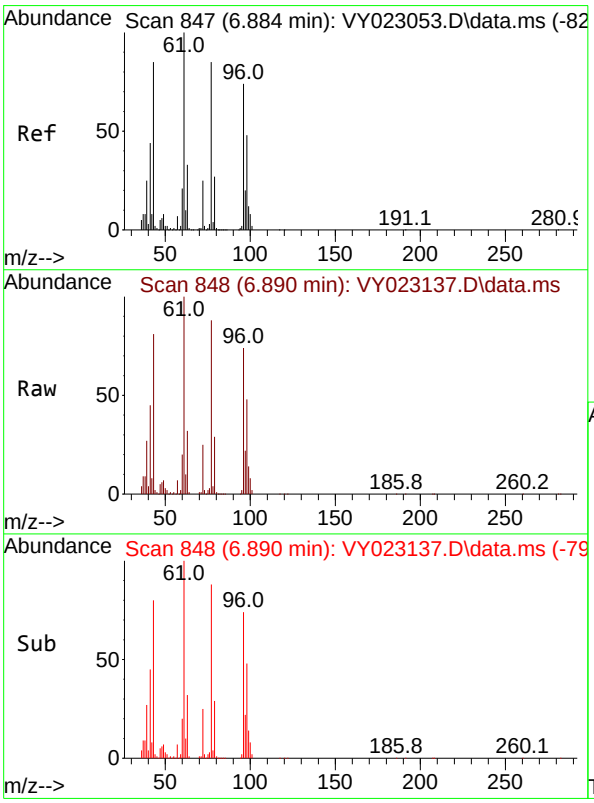
#25
2-Butanone
Concen: 244.351 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 384462

Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.5	35.3

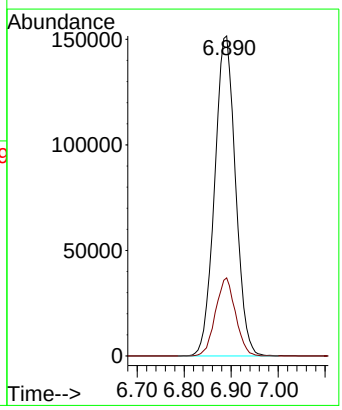


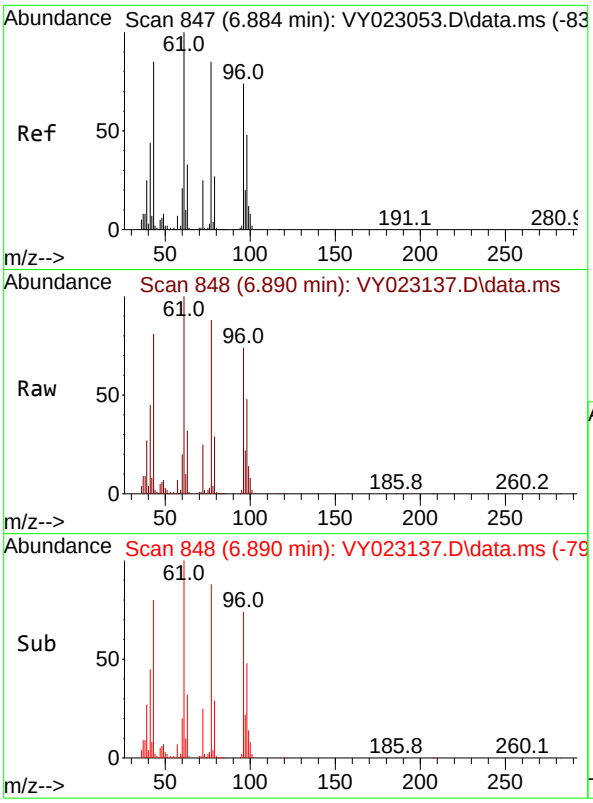


#26
2,2-Dichloropropane
Concen: 51.414 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 77 Resp: 468257

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.8



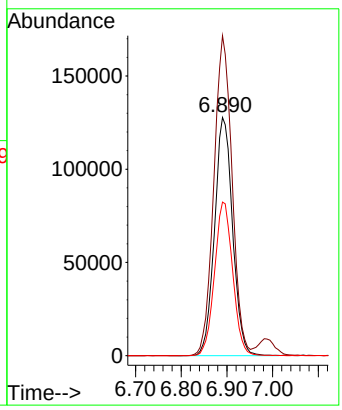


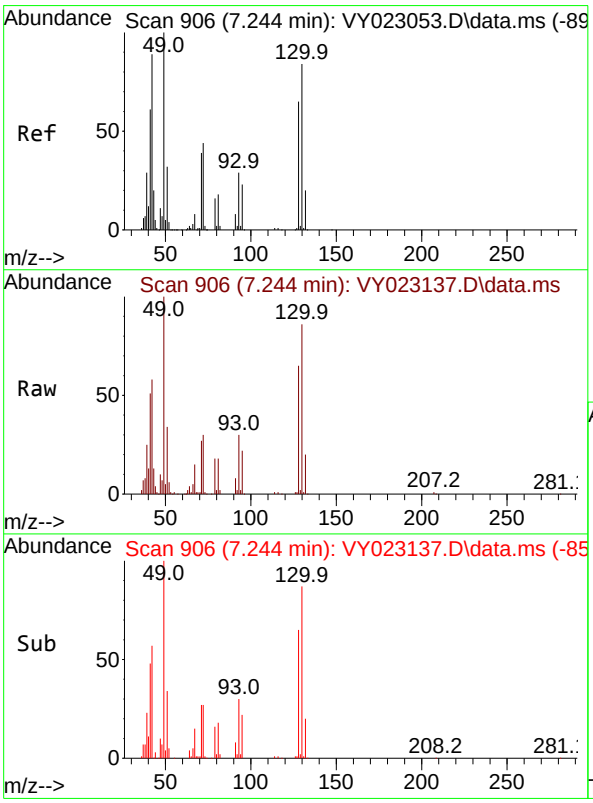
#27
cis-1,2-Dichloroethene
Concen: 50.042 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 351019

Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.6
98	64.8	0.0	130.4

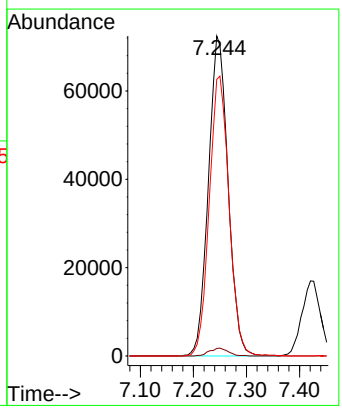


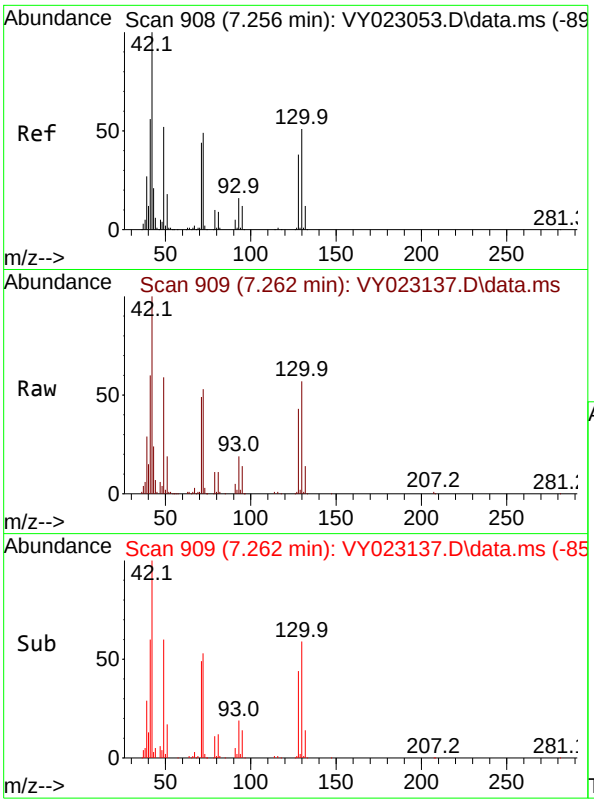


#28
Bromochloromethane
Concen: 44.509 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 49 Resp: 186381

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.8	66.4	99.6



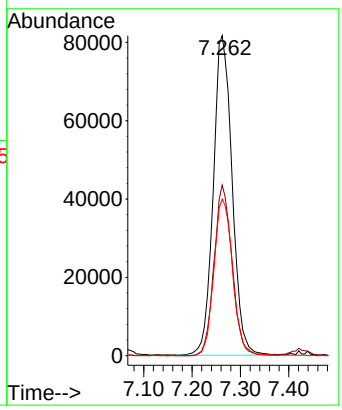


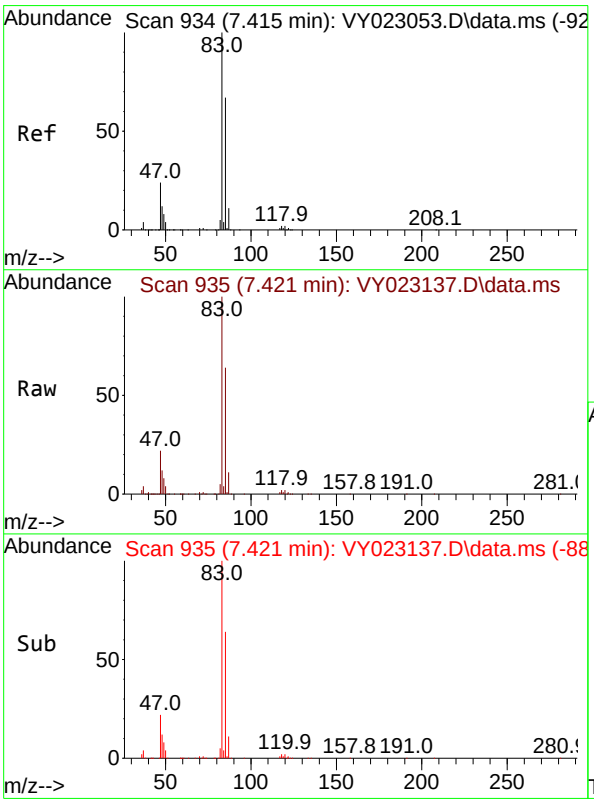
#29
Tetrahydrofuran
Concen: 226.737 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 221133

Ion	Ratio	Lower	Upper
42	100		
72	51.1	39.4	59.2
71	48.6	36.5	54.7

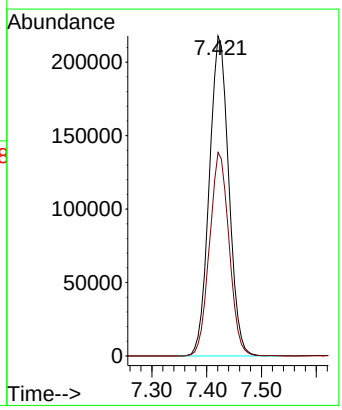


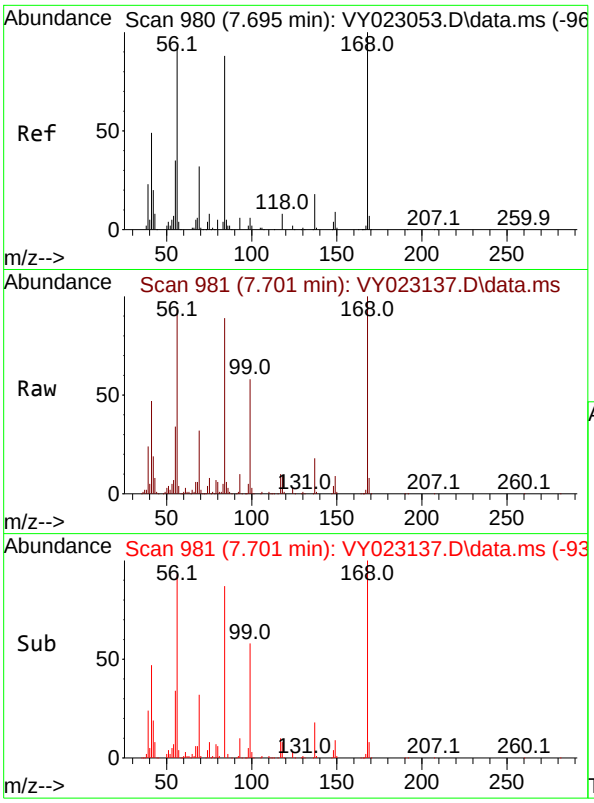


#30
Chloroform
Concen: 49.287 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 83 Resp: 536519

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.8	80.8



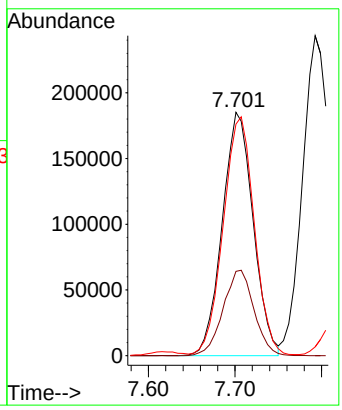


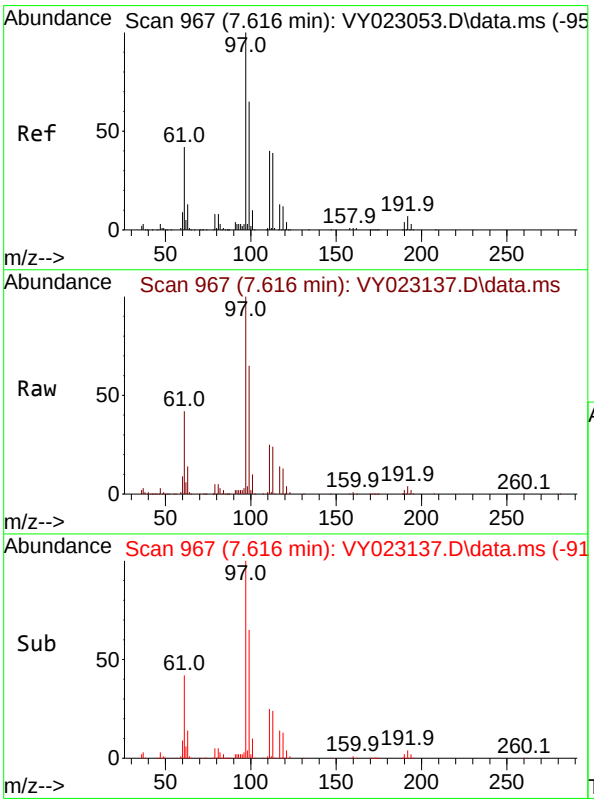
#31
Cyclohexane
Concen: 46.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 460210

Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.2	42.2
84	94.2	76.6	114.8

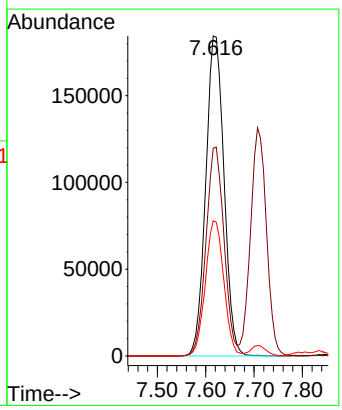


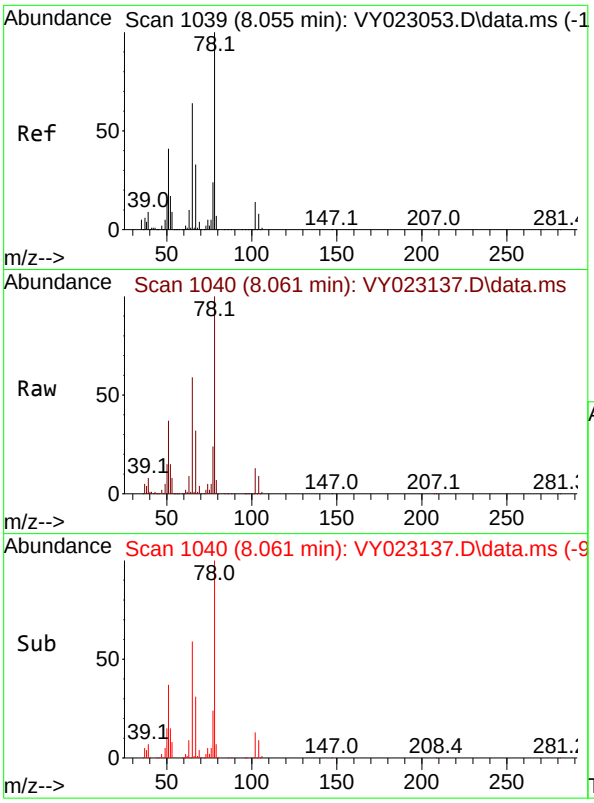


#32
1,1,1-Trichloroethane
Concen: 50.106 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 97 Resp: 483961

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.7	34.2	51.2



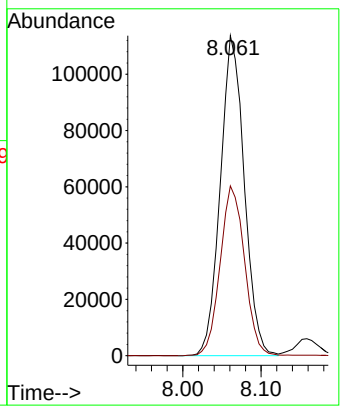


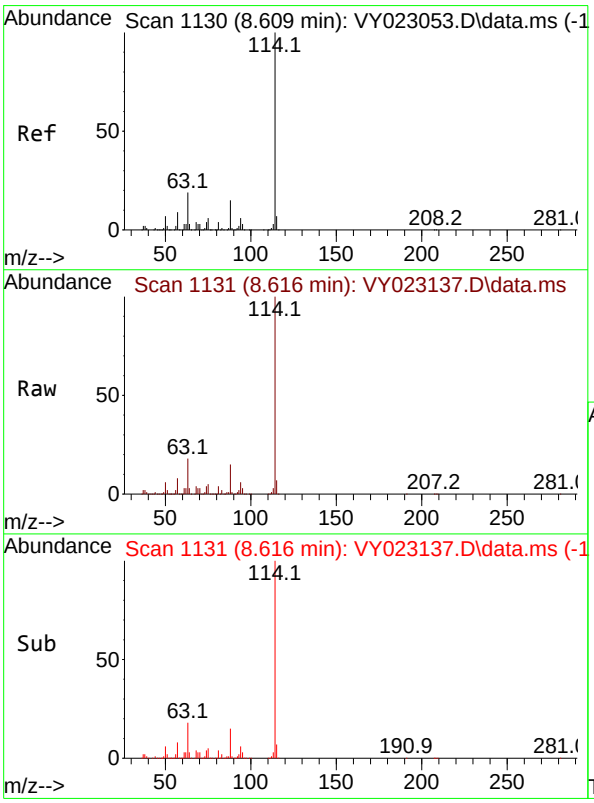
#33
1,2-Dichloroethane-d4
Concen: 45.256 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 241668

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.8

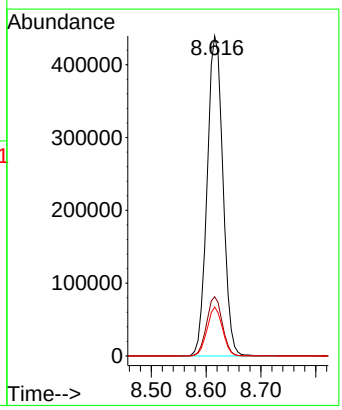


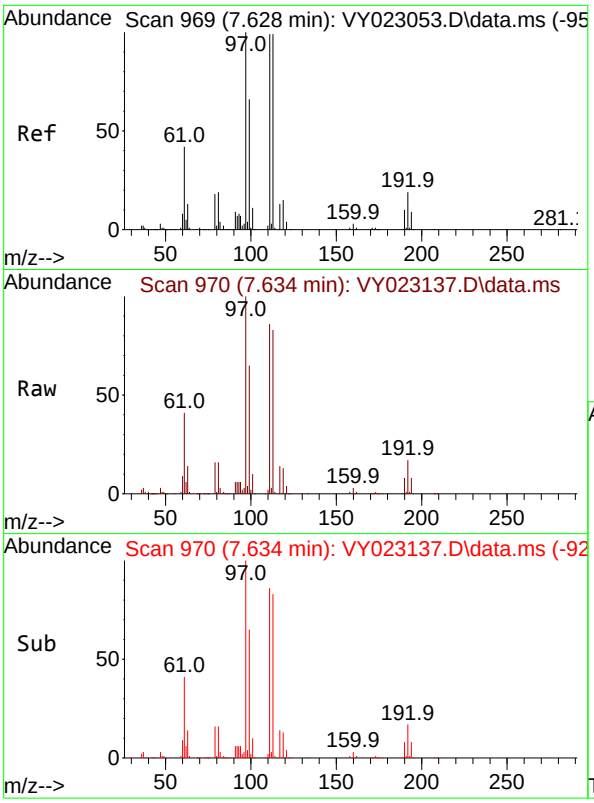


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:114 Resp: 876189

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	15.3	0.0	30.0



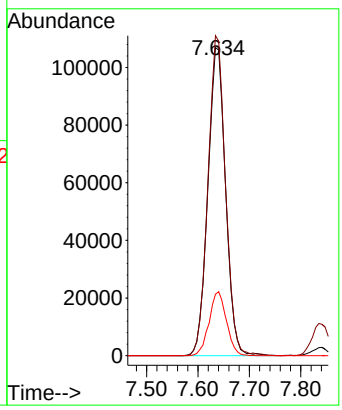


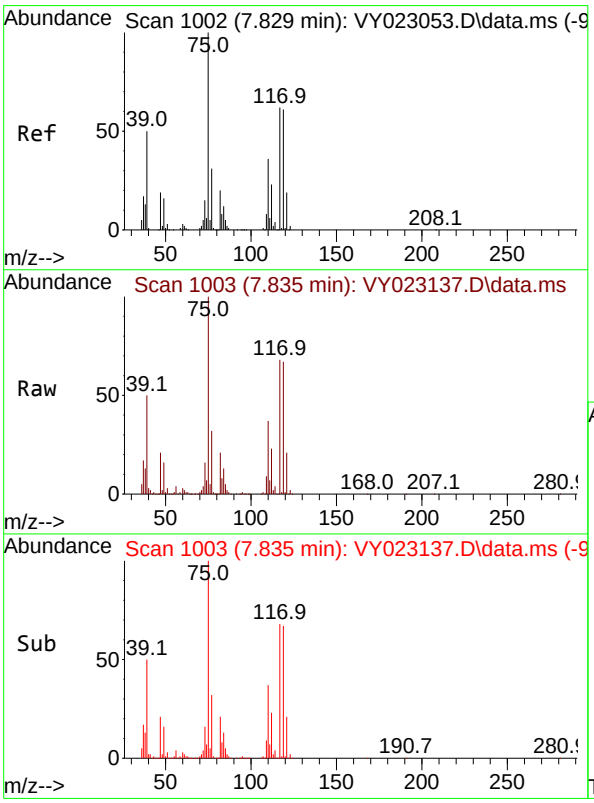
#35
Dibromofluoromethane
Concen: 48.854 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 256133

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	20.3	16.2	24.4

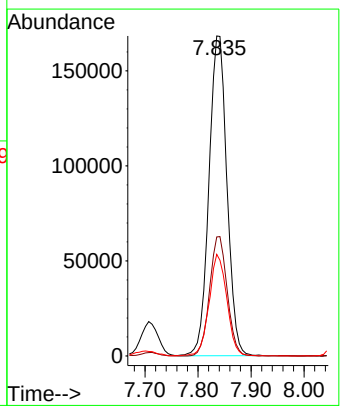


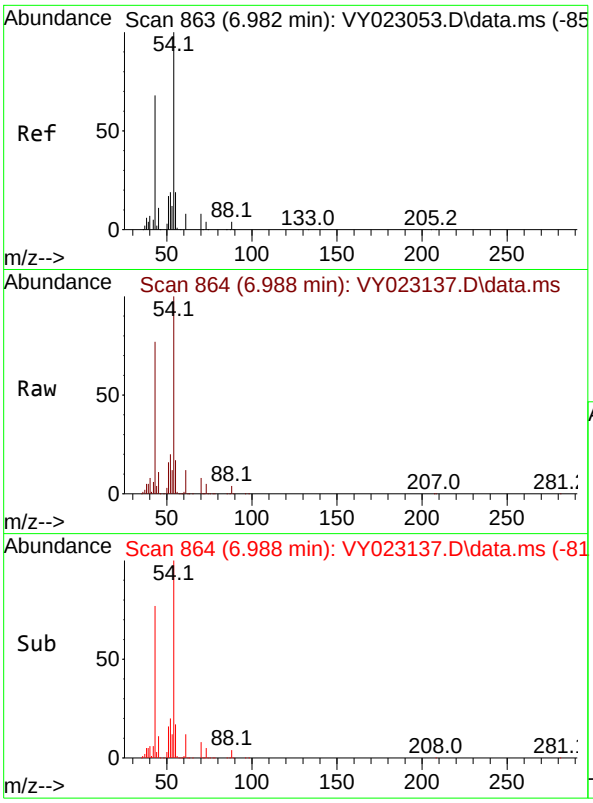


#36
1,1-Dichloropropene
Concen: 50.818 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 395952

Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.4
77	31.3	24.6	37.0



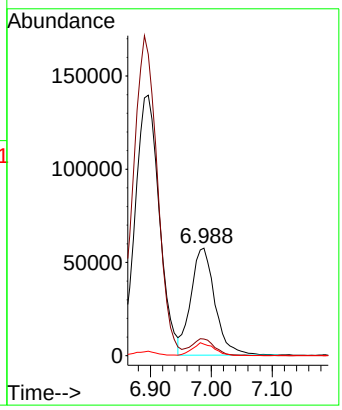


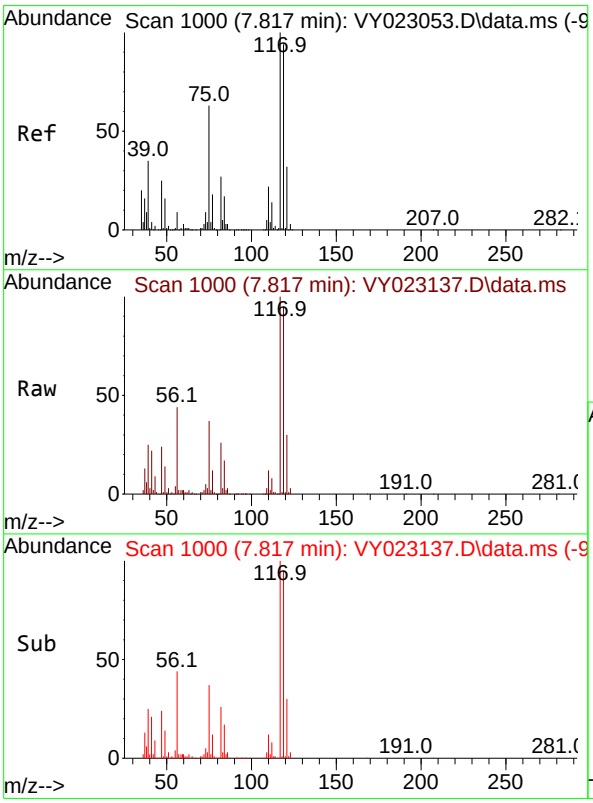
#37
Ethyl Acetate
Concen: 48.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 157126

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.1	8.8	13.2

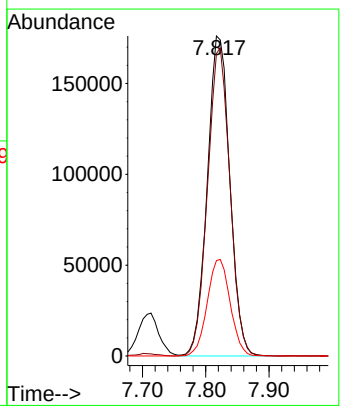


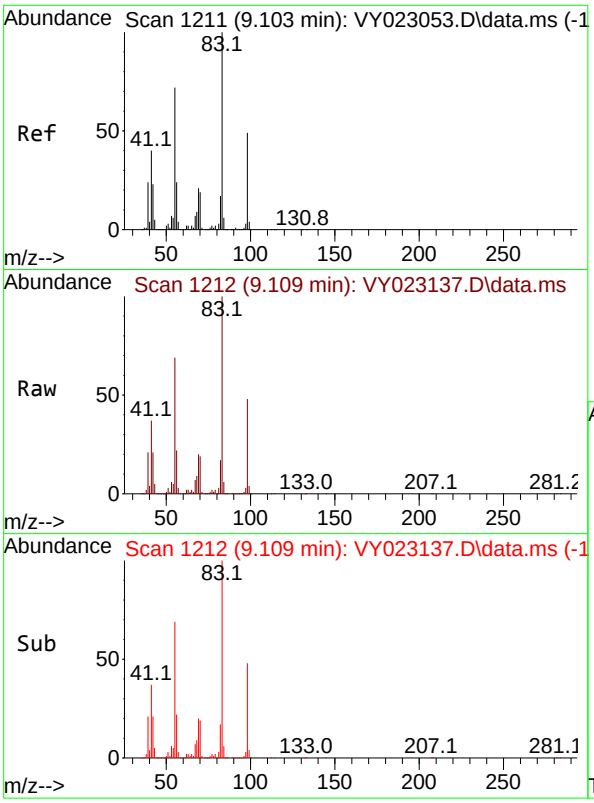


#38
Carbon Tetrachloride
Concen: 51.581 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:117 Resp: 436510

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	29.8	25.8	38.8



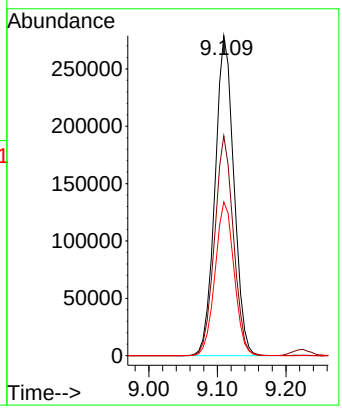


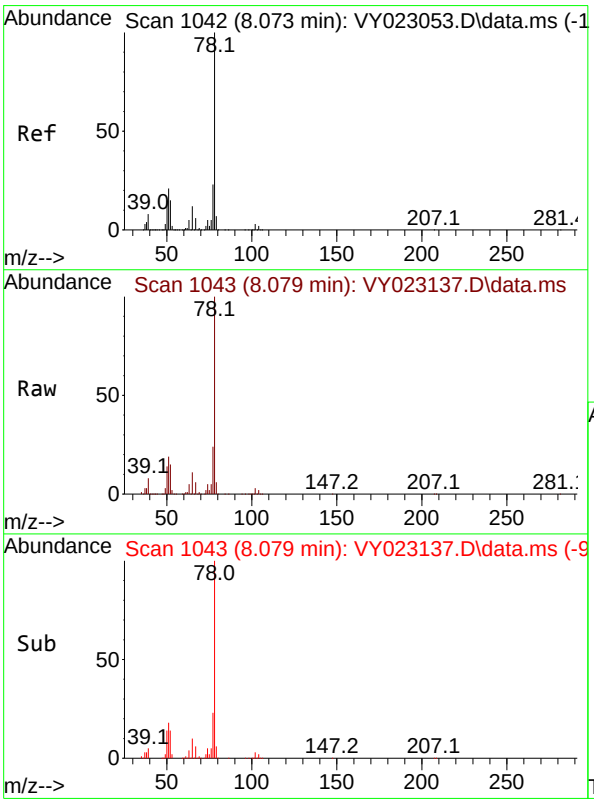
#39
Methylcyclohexane
Concen: 51.832 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 531826

Ion	Ratio	Lower	Upper
83	100		
55	68.7	57.6	86.4
98	48.0	39.2	58.8

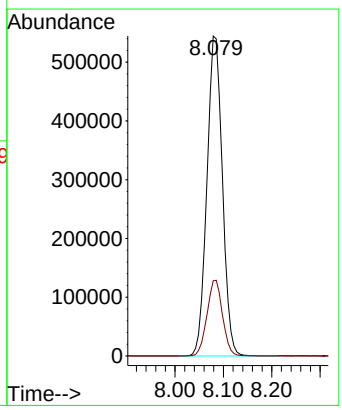


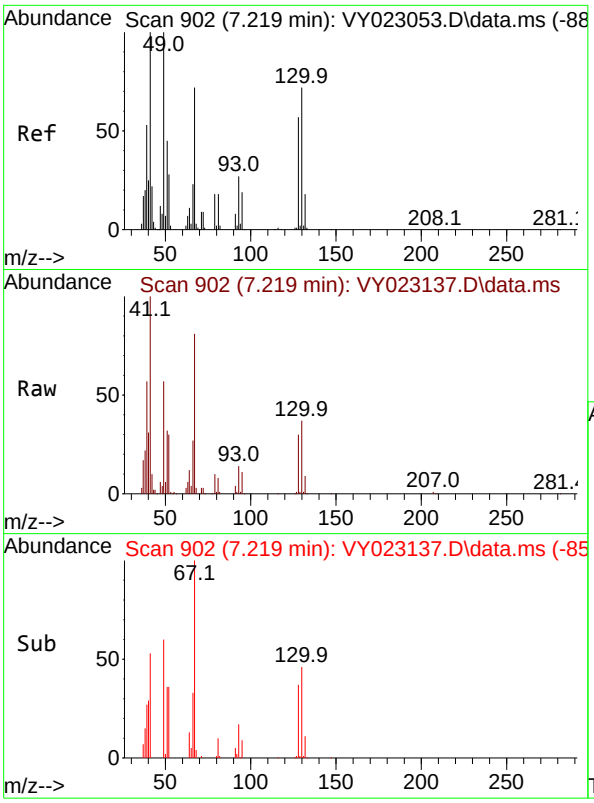


#40
Benzene
Concen: 50.401 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 78 Resp: 1210380

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0



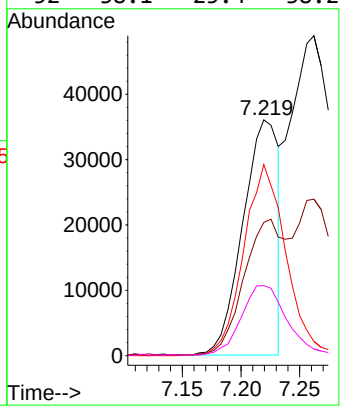


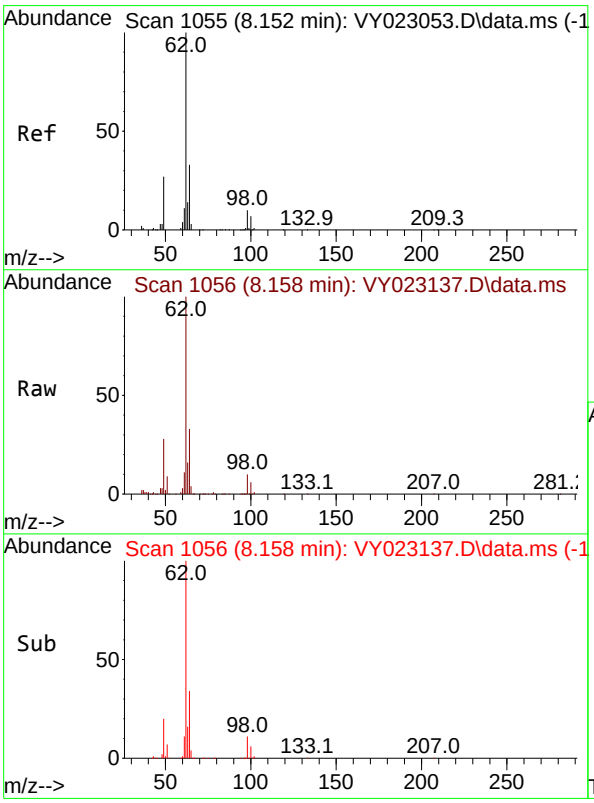
#41
Methacrylonitrile
Concen: 40.191 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 75919

Ion	Ratio	Lower	Upper
41	100		
39	65.0	43.4	65.2
67	96.5	63.6	95.4#
52	38.1	25.4	38.2

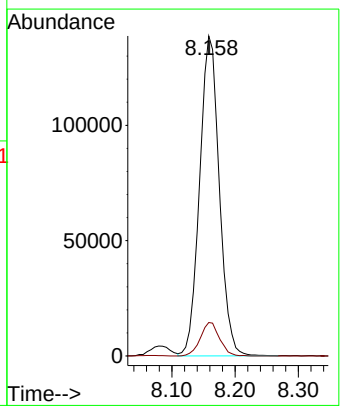


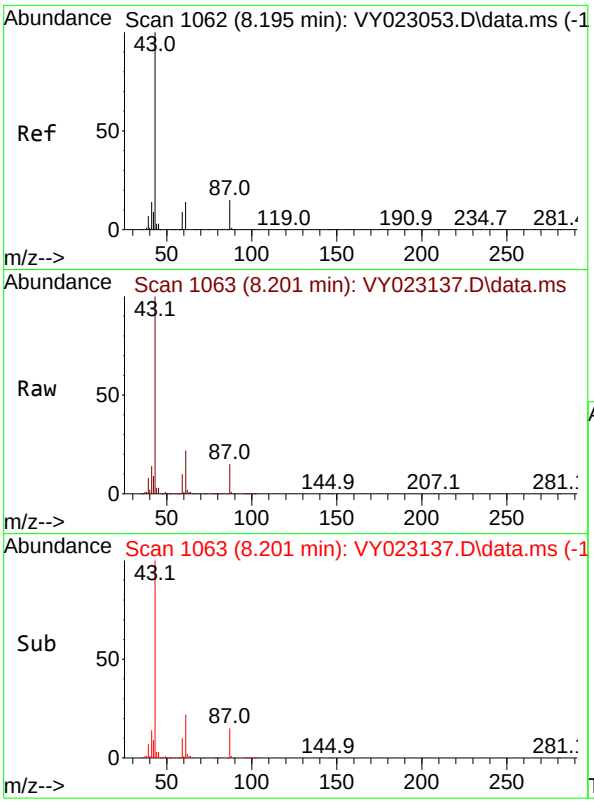


#42
1,2-Dichloroethane
Concen: 48.044 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 62 Resp: 300070

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6



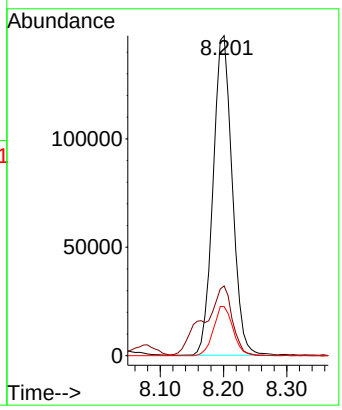


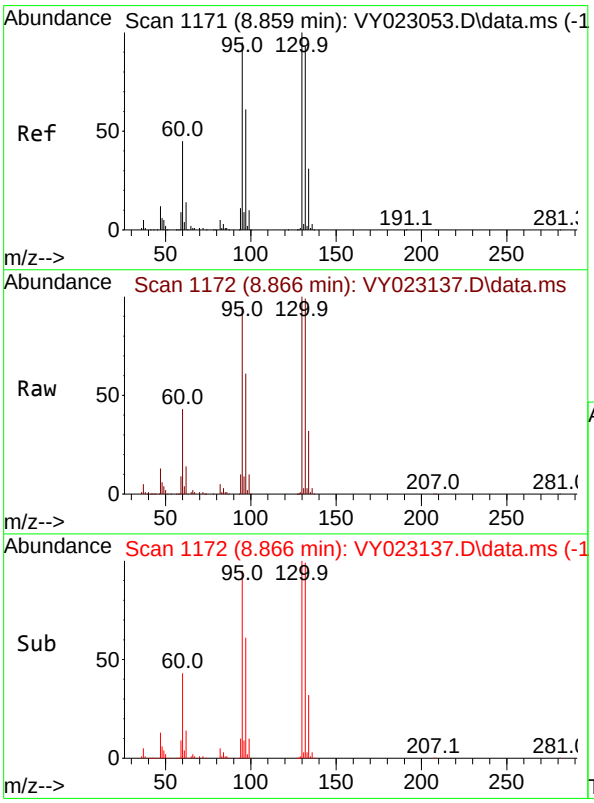
#43
Isopropyl Acetate
Concen: 46.703 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 308955

Ion	Ratio	Lower	Upper
43	100		
61	32.2	16.4	24.6#
87	15.7	11.8	17.6

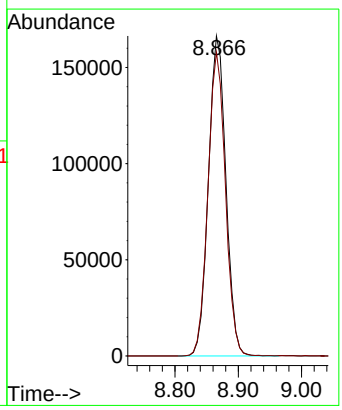


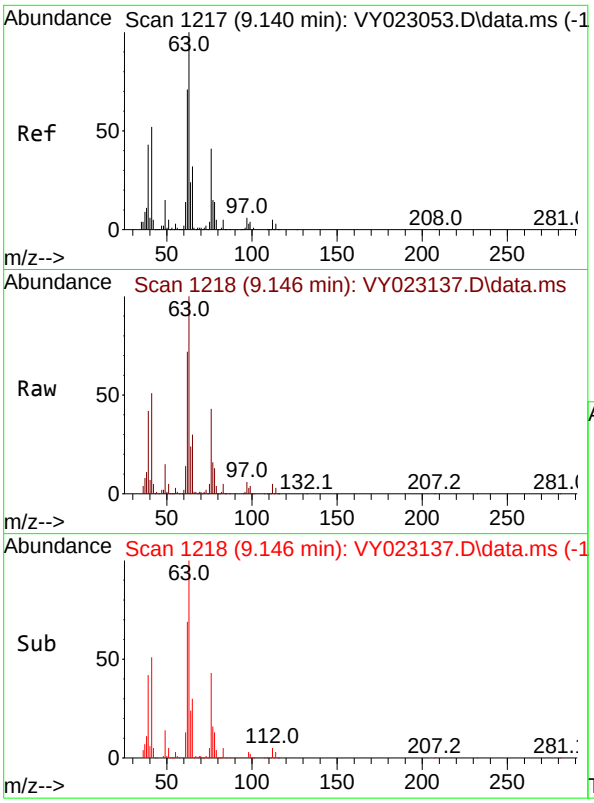


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:130 Resp: 319381

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	190.2



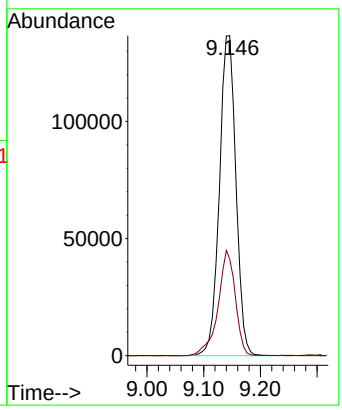


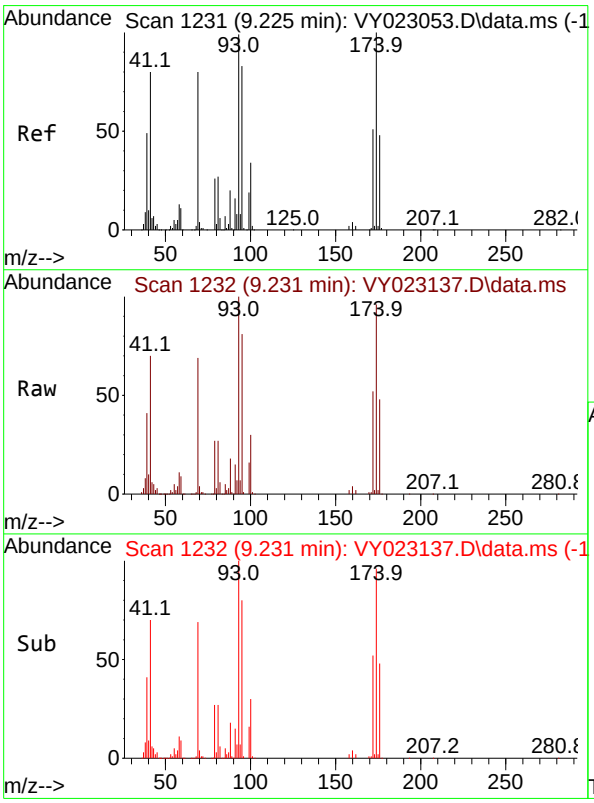
#45
1,2-Dichloropropane
Concen: 50.044 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 276520

Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.3	37.9

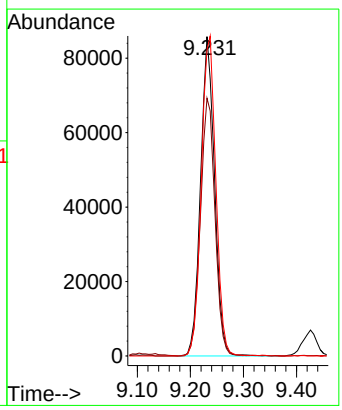


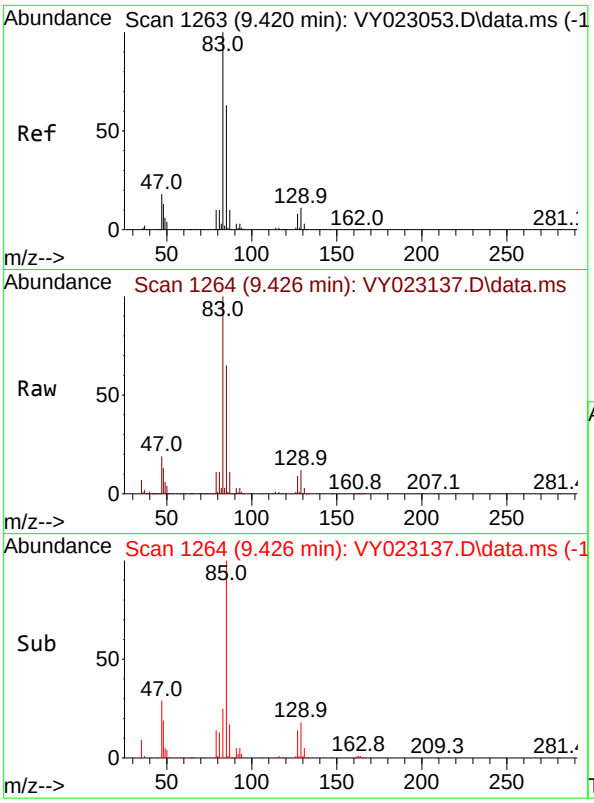


#46
Dibromomethane
Concen: 49.637 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 93 Resp: 157422

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.5	99.7
174	103.7	81.8	122.8



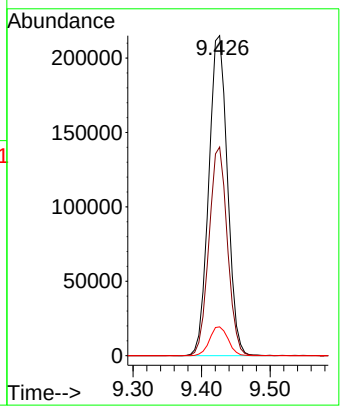


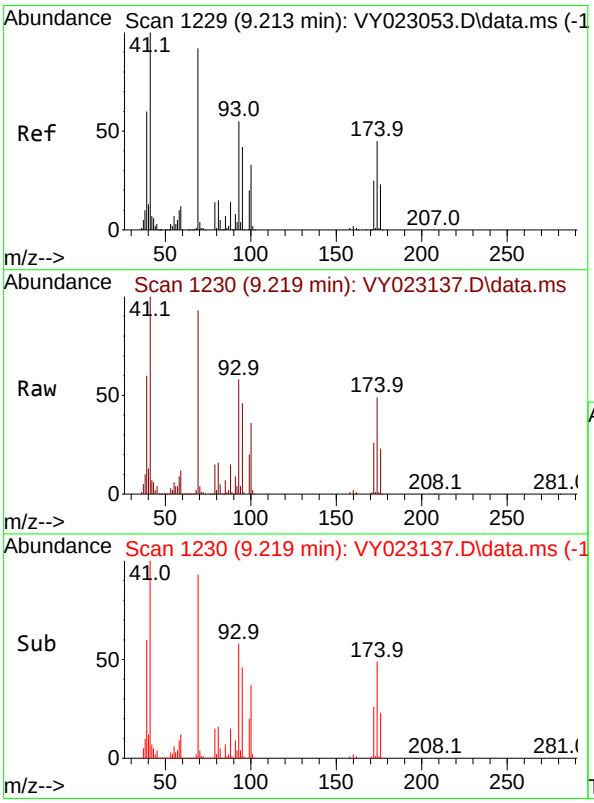
#47
Bromodichloromethane
Concen: 49.781 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 406246

Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4
127	9.0	6.6	10.0

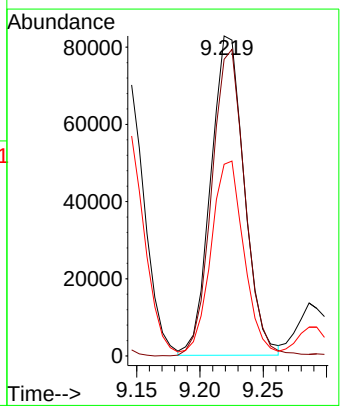


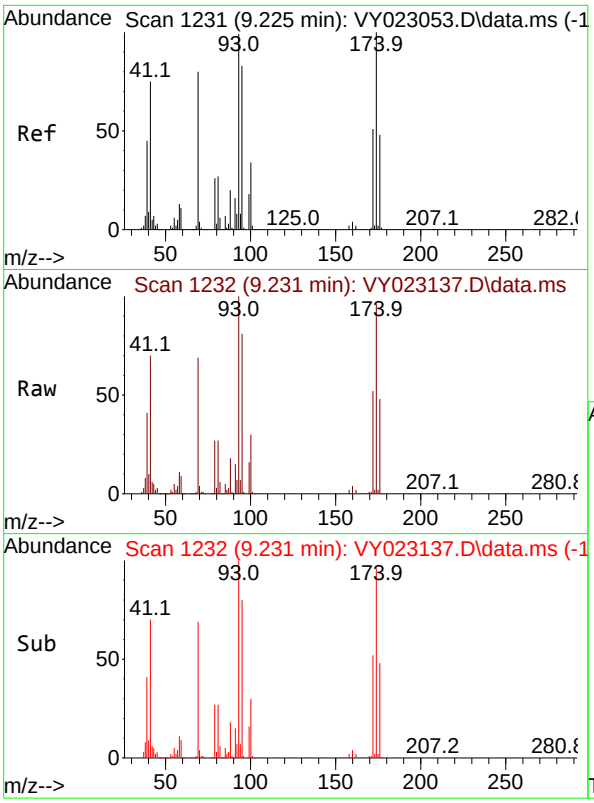


#48
Methyl methacrylate
Concen: 48.023 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 152020

Ion	Ratio	Lower	Upper
41	100		
69	95.3	73.2	109.8
39	58.1	47.0	70.4



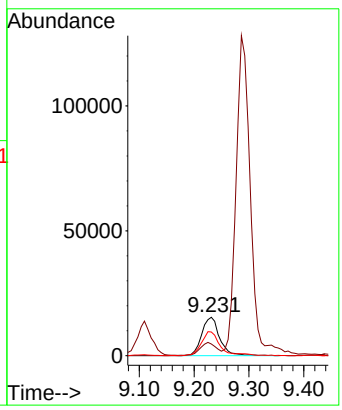


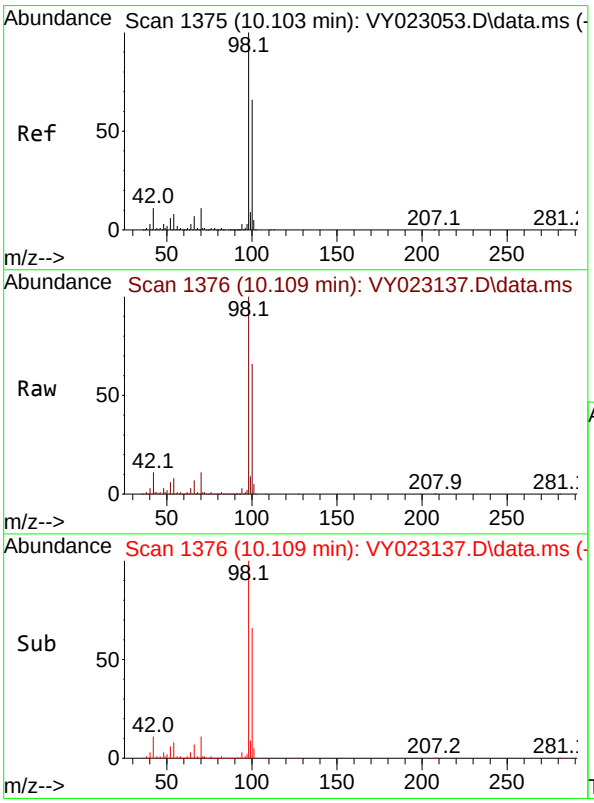
#49
1,4-Dioxane
Concen: 934.713 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 34759

Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.3	36.5
58	65.6	55.4	83.0

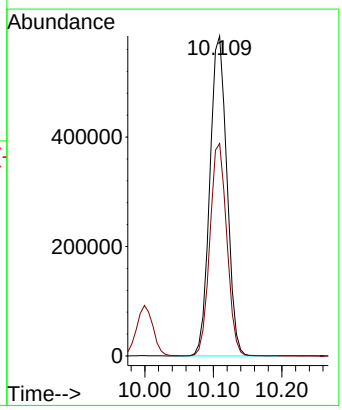


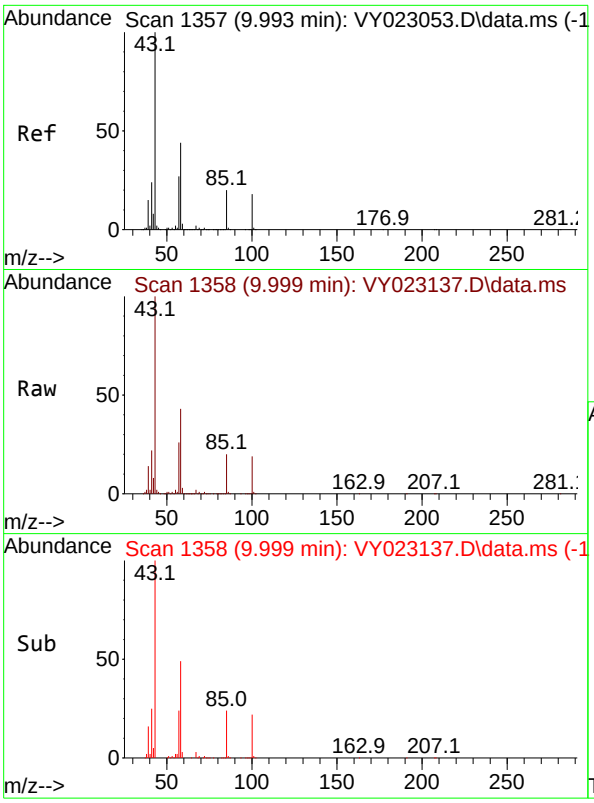


#50
Toluene-d8
Concen: 49.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 98 Resp: 1008048

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.3	78.5



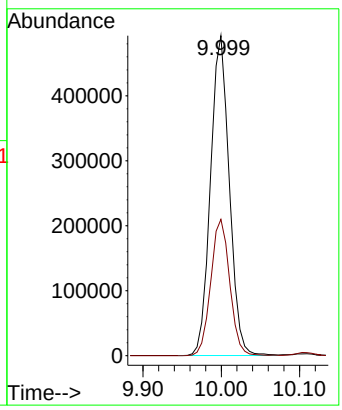


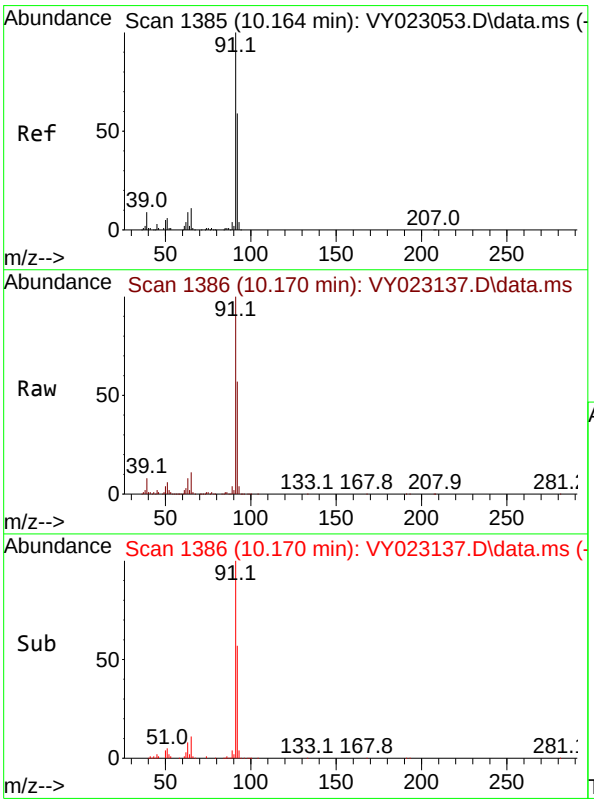
#51
4-Methyl-2-Pentanone
Concen: 240.906 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 822061

Ion	Ratio	Lower	Upper
43	100		
58	43.0	33.5	50.3

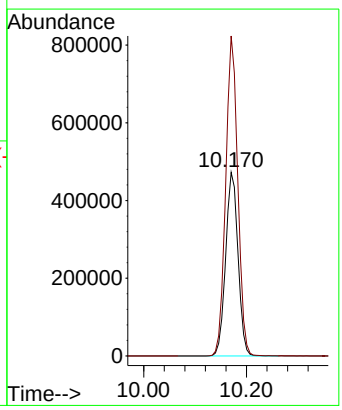


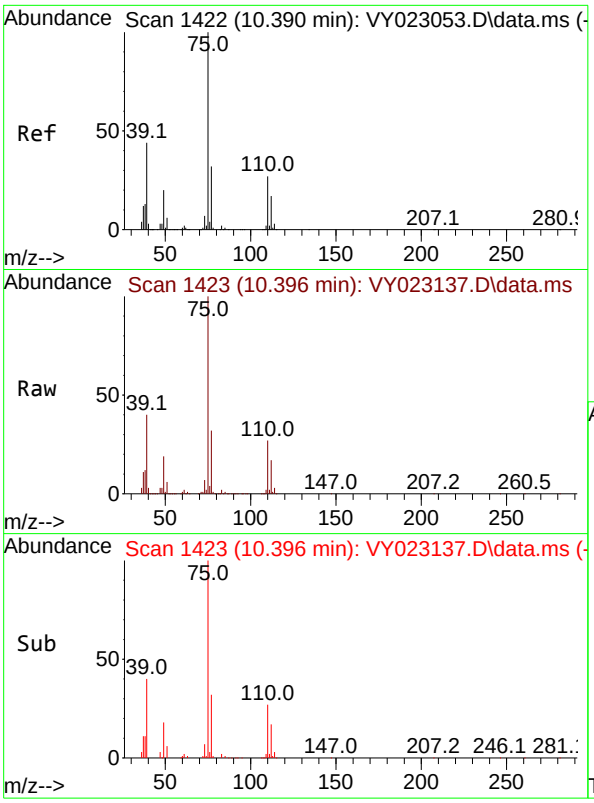


#52
Toluene
Concen: 51.669 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 92 Resp: 788070

Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.4	204.6



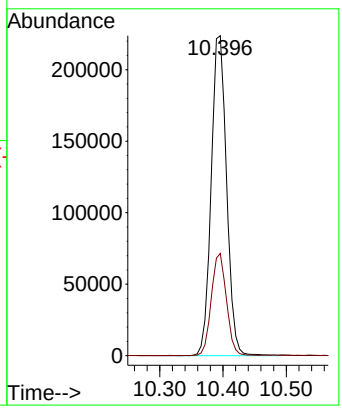


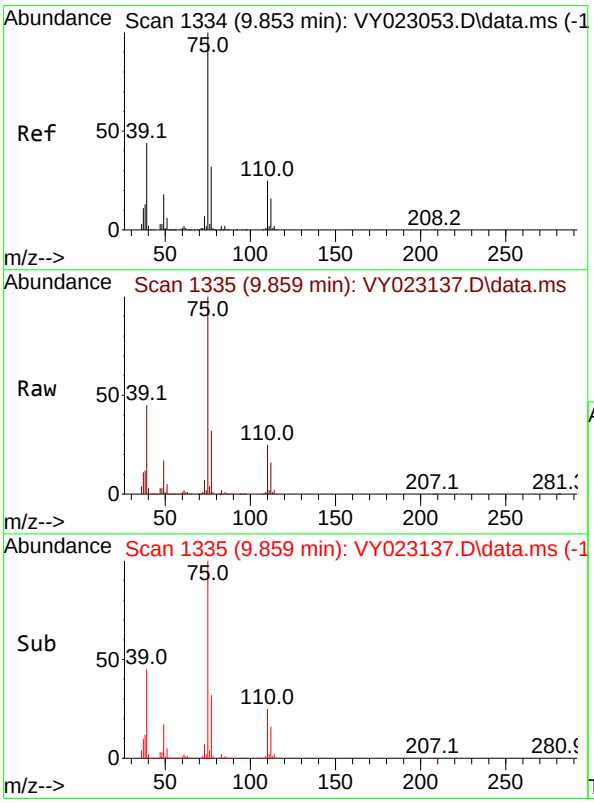
#53
t-1,3-Dichloropropene
Concen: 51.112 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 377708

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5

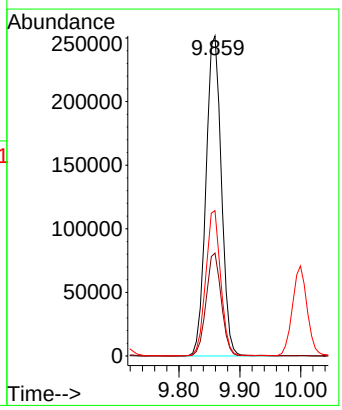


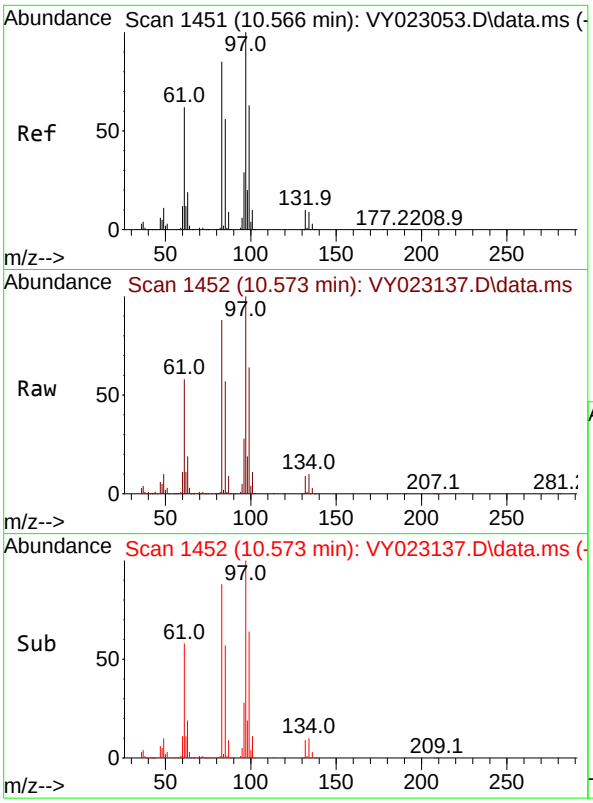


#54
cis-1,3-Dichloropropene
Concen: 50.516 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 441435

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	45.3	35.6	53.4



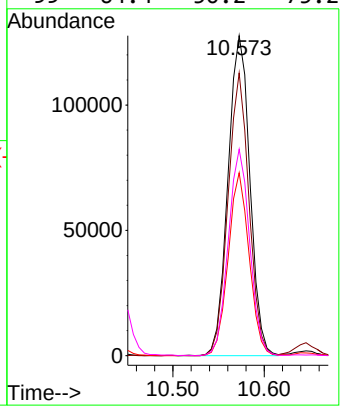


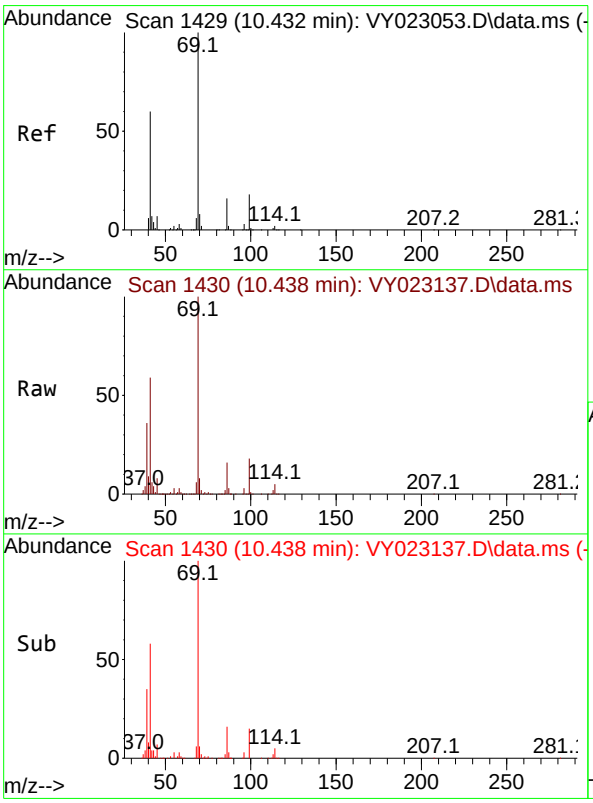
#55
1,1,2-Trichloroethane
Concen: 50.206 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 213063

Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.7	101.5
85	57.1	44.5	66.7
99	64.4	50.2	75.2

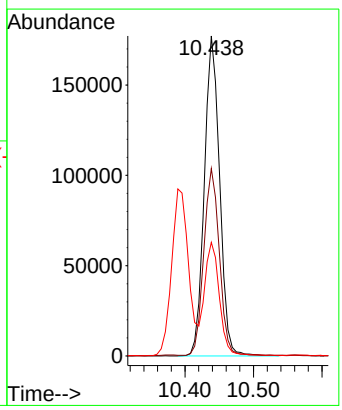


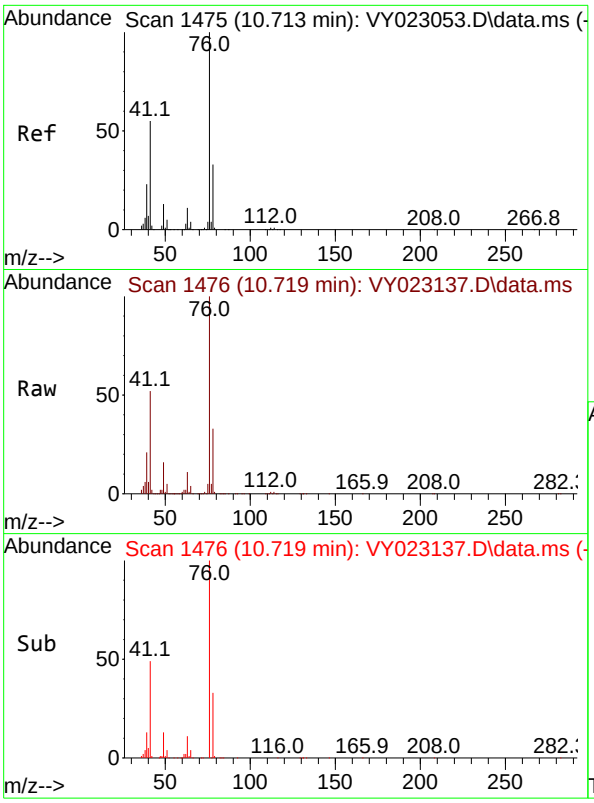


#56
Ethyl methacrylate
Concen: 50.859 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 69 Resp: 276182

Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.6	72.8
39	33.7	27.0	40.4



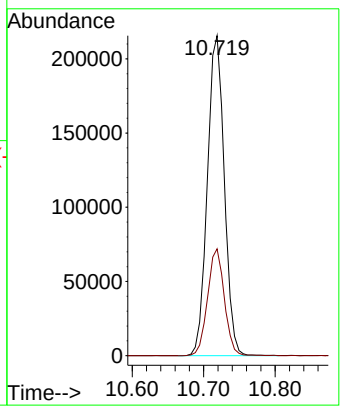


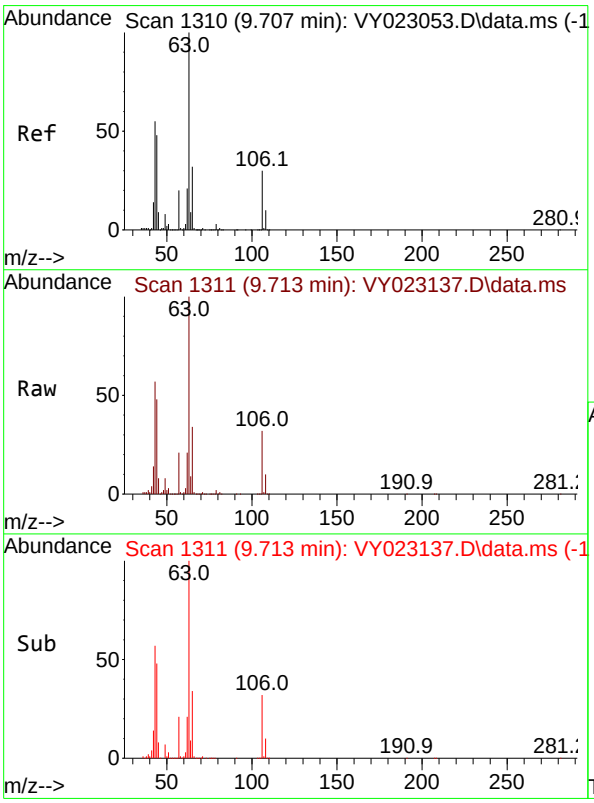
#57
1,3-Dichloropropane
Concen: 49.273 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 354628

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0

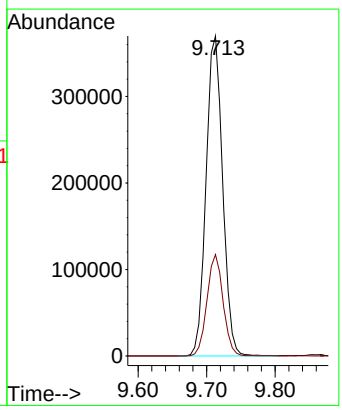


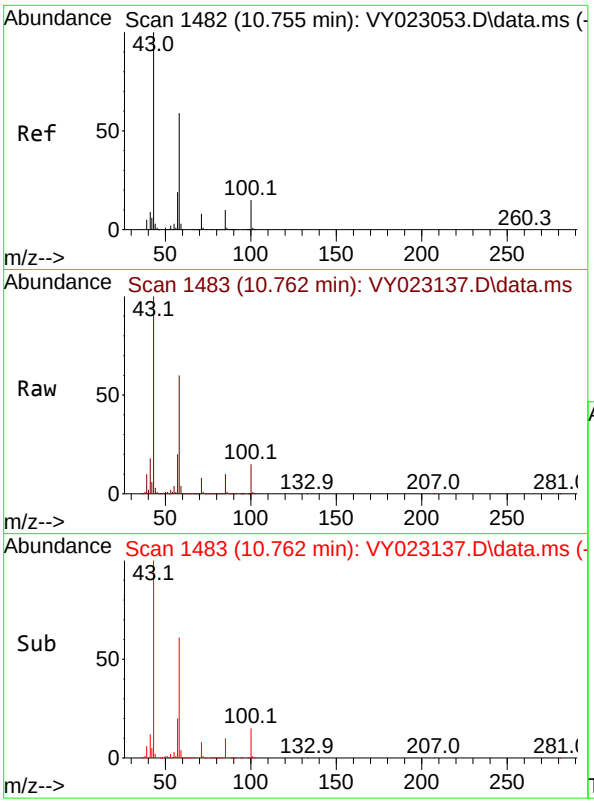


#58
2-Chloroethyl Vinyl ether
Concen: 242.835 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 622022

Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.2	34.8



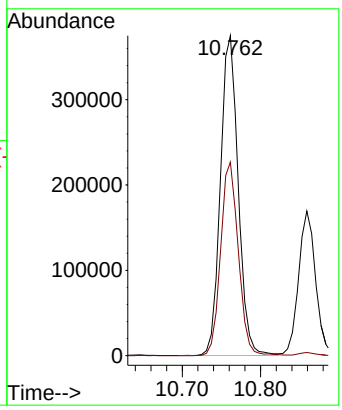


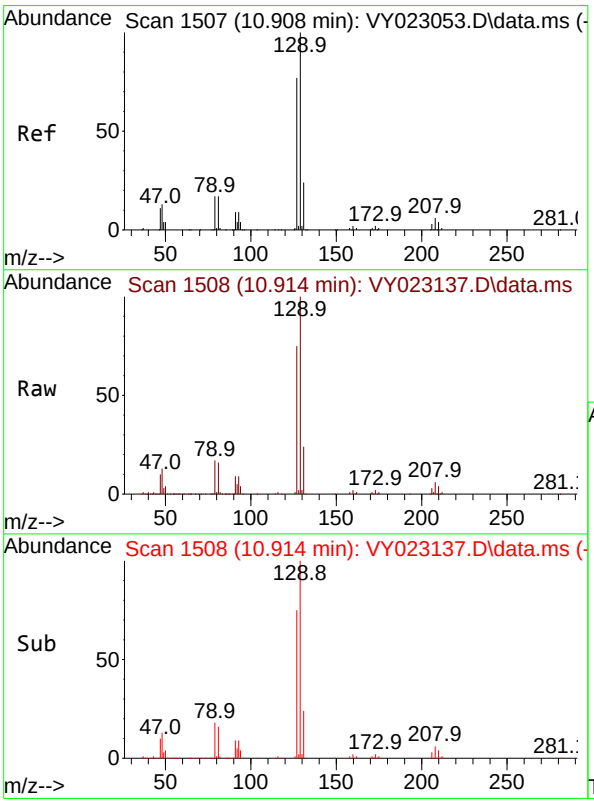
#59
2-Hexanone
Concen: 254.865 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 592202

Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.5	88.5

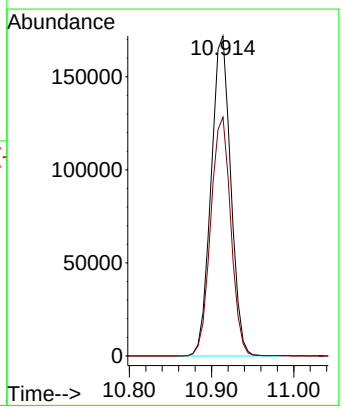


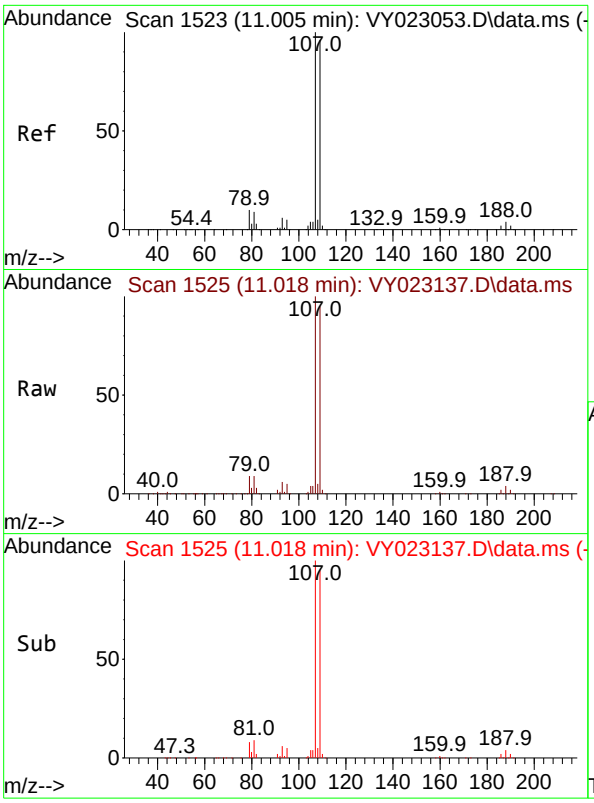


#60
Dibromochloromethane
Concen: 50.963 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:129 Resp: 285374

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5



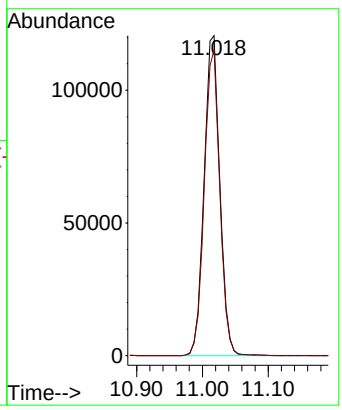


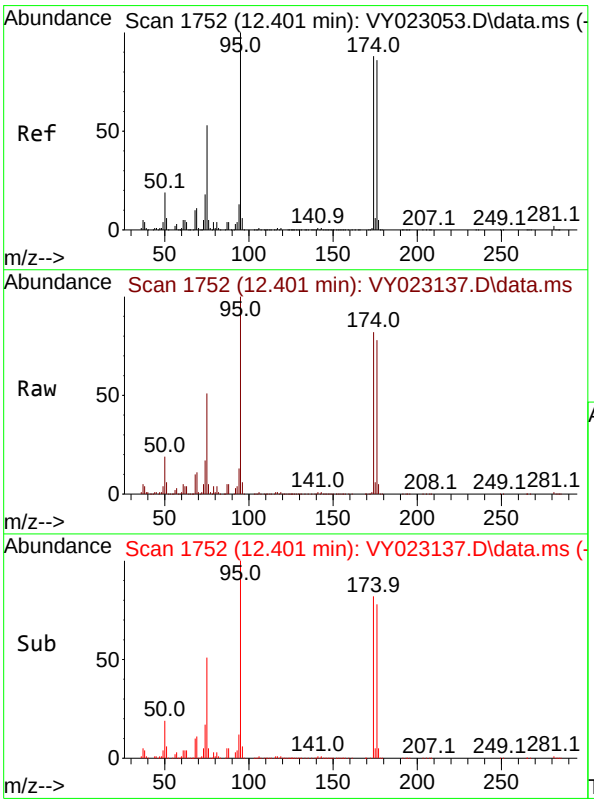
#61
1,2-Dibromoethane
Concen: 50.411 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 201073

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.6	113.4

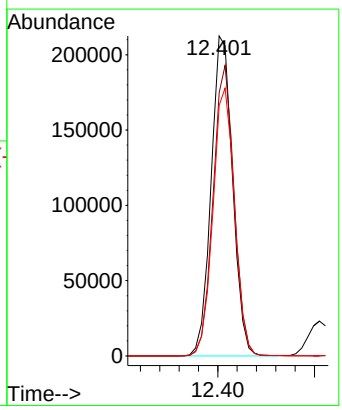


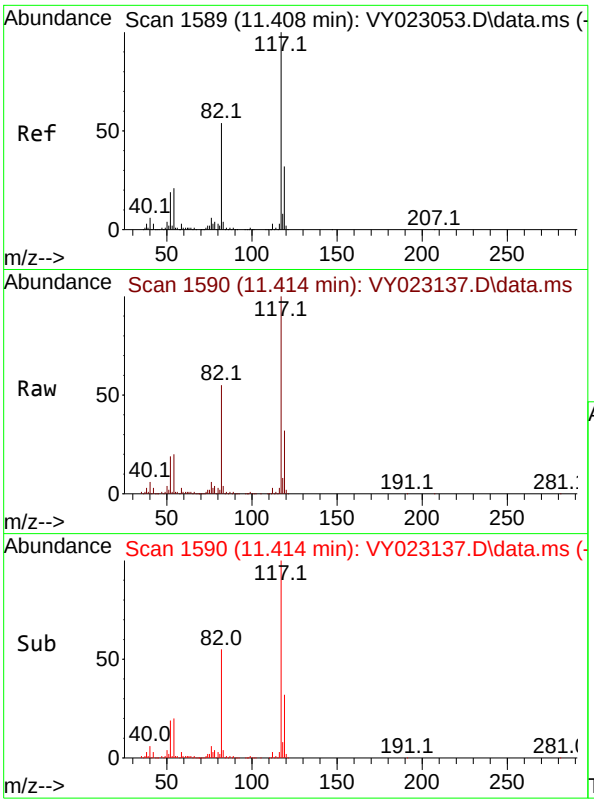


#62
4-Bromofluorobenzene
Concen: 49.618 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 95 Resp: 326827

Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	171.6
176	84.4	0.0	167.6



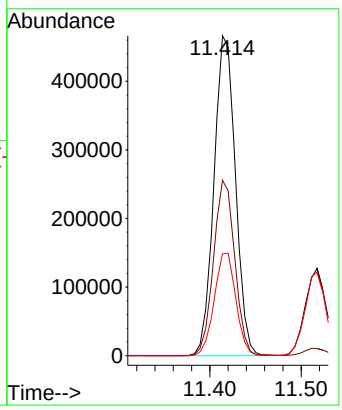


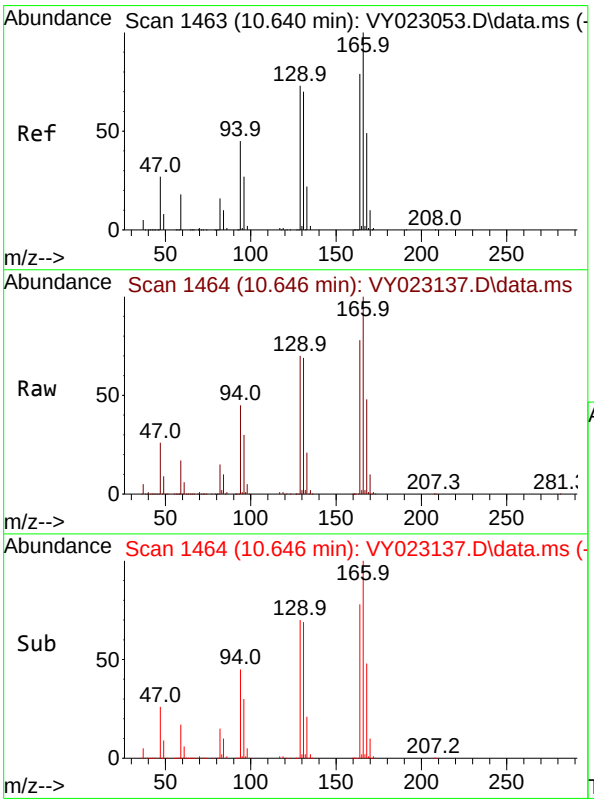
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 761785

Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	31.8	25.6	38.4

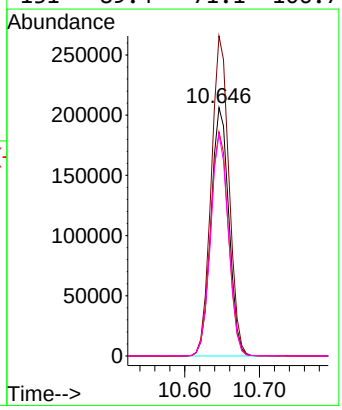


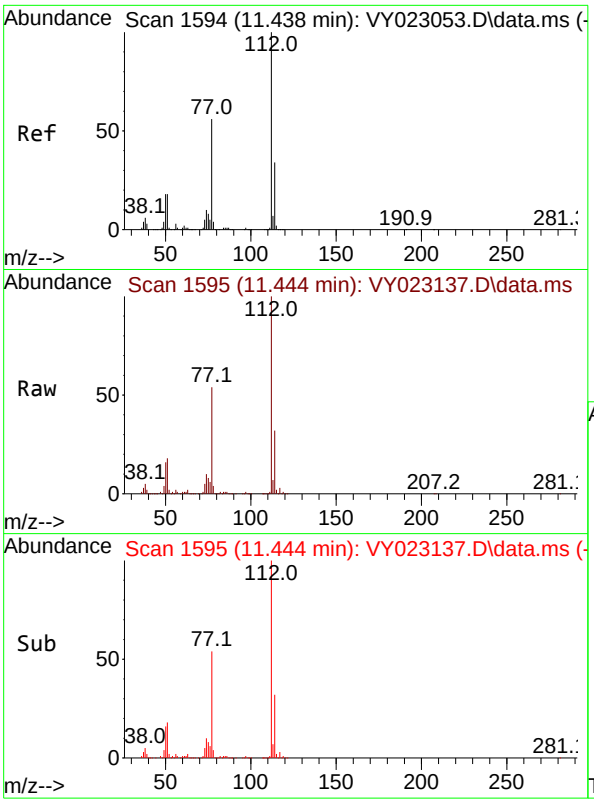


#64
Tetrachloroethene
Concen: 50.340 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:164 Resp: 342427

Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.1	151.7
129	90.3	74.0	111.0
131	89.4	71.1	106.7



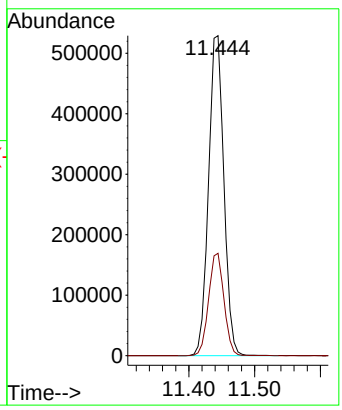


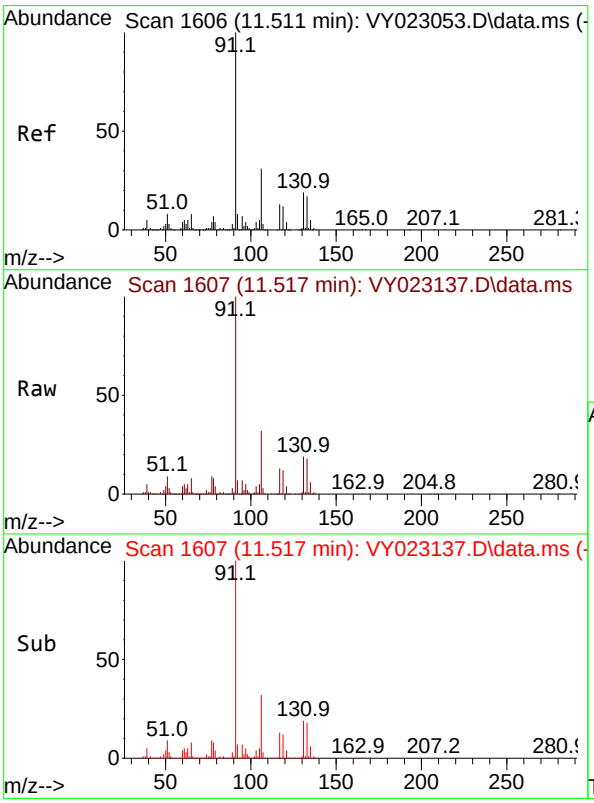
#65
Chlorobenzene
Concen: 52.238 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 858367

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.4

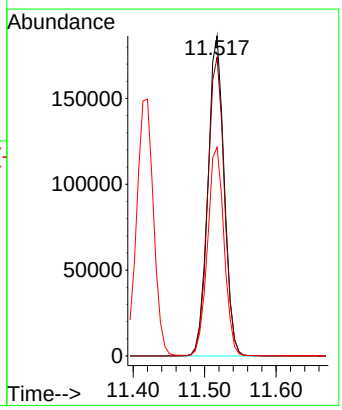


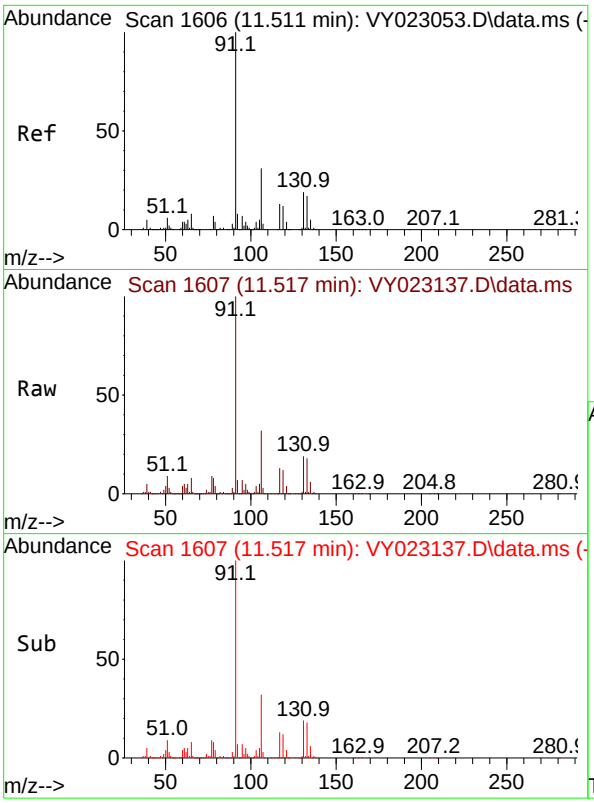


#66
1,1,1,2-Tetrachloroethane
Concen: 52.900 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:131 Resp: 295011

Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.9	140.6
119	66.2	33.2	99.6



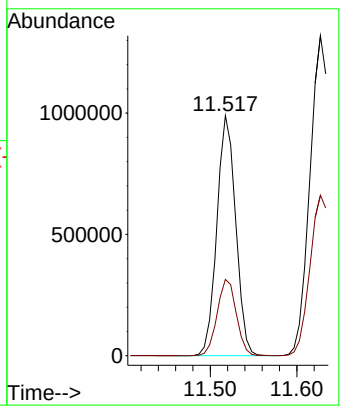


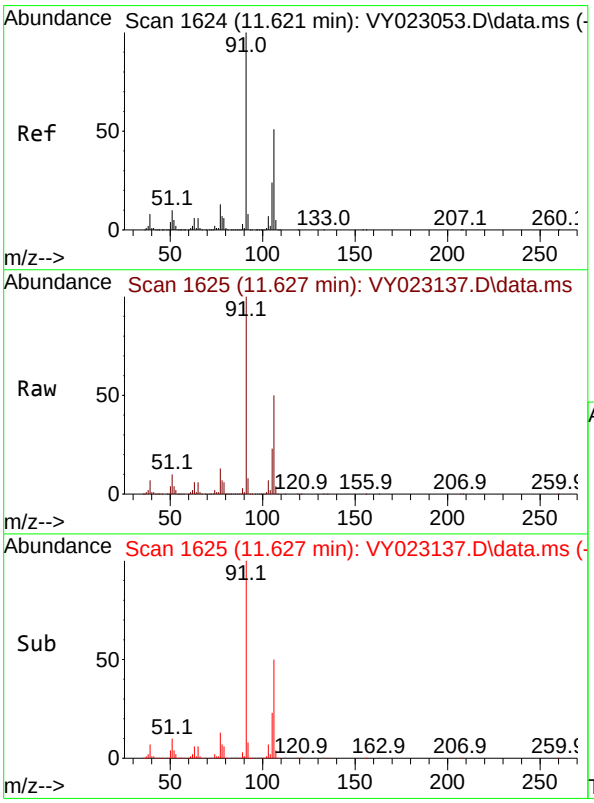
#67
Ethyl Benzene
Concen: 52.850 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1494465

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4

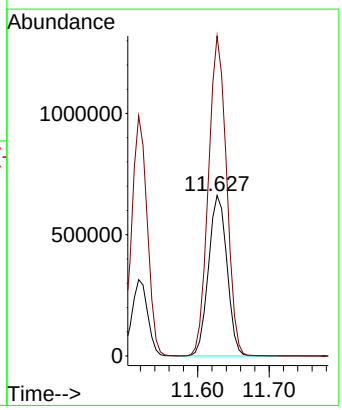


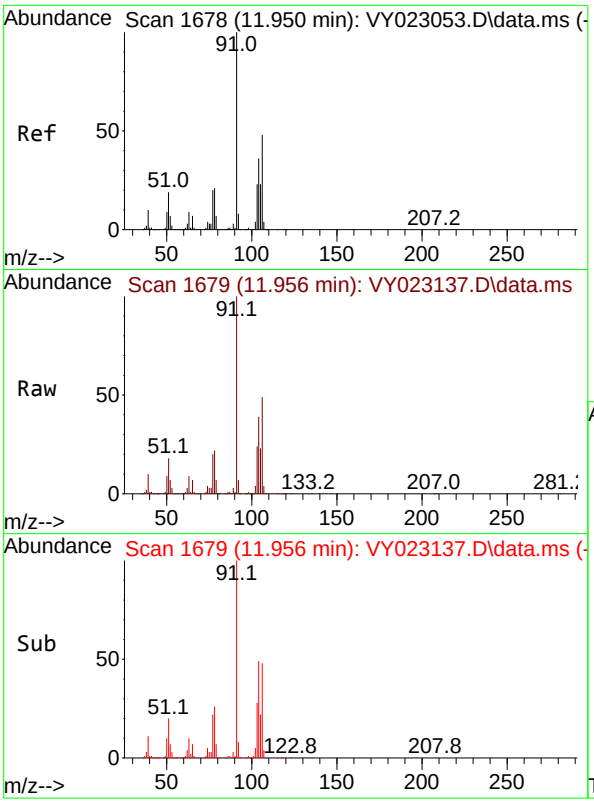


#68
m/p-Xylenes
Concen: 107.397 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:106 Resp: 1186104

Ion	Ratio	Lower	Upper
106	100		
91	195.6	158.6	238.0



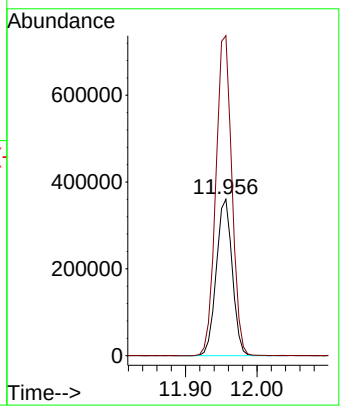


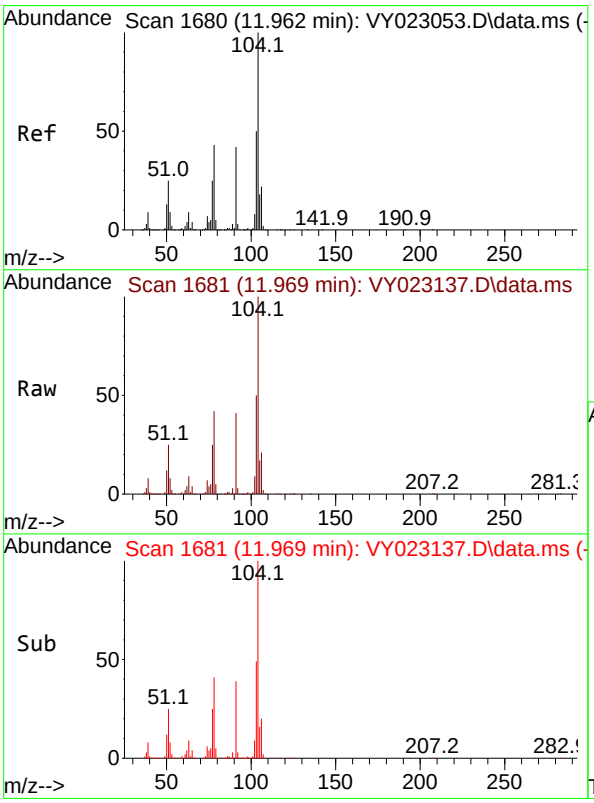
#69
o-Xylene
Concen: 53.940 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 557951

Ion	Ratio	Lower	Upper
106	100		
91	205.8	103.2	309.4

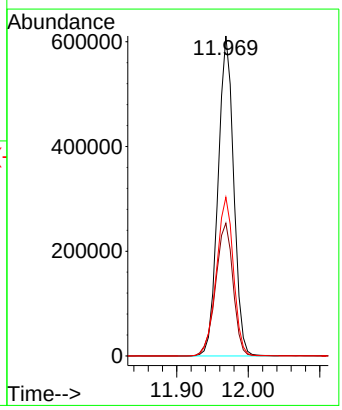


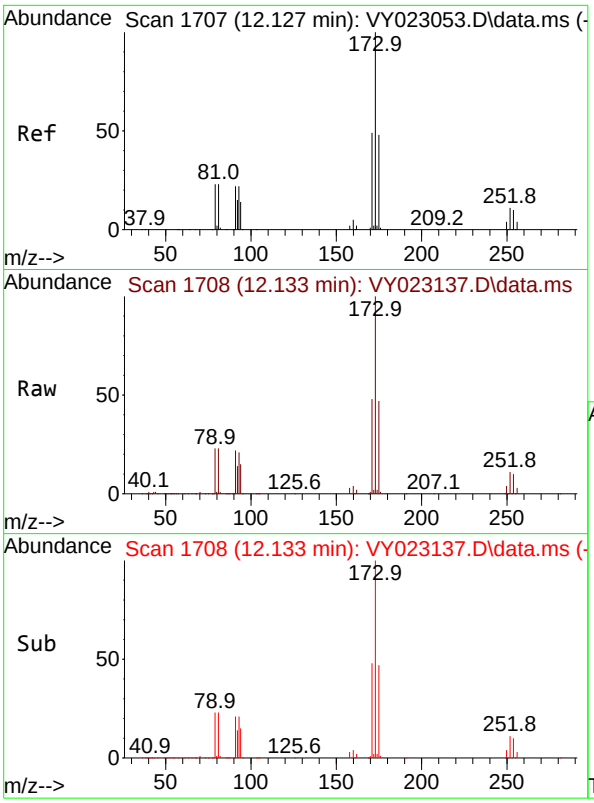


#70
Styrene
Concen: 55.007 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:104 Resp: 930498

Ion	Ratio	Lower	Upper
104	100		
78	46.3	38.5	57.7
103	54.0	43.7	65.5



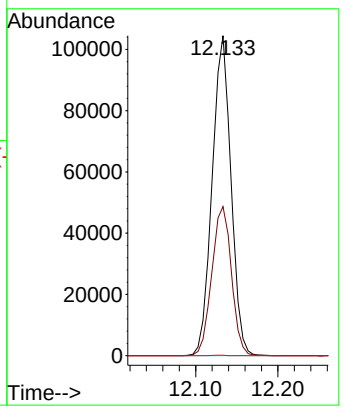


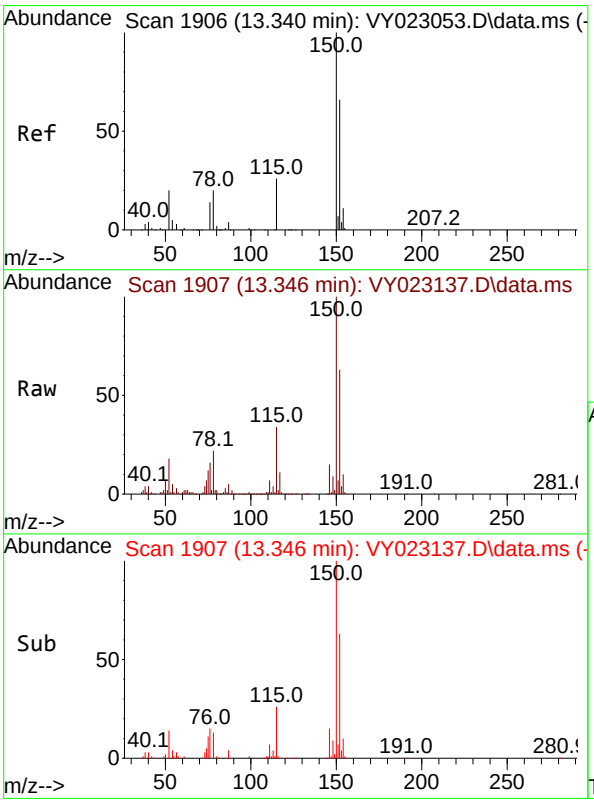
#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 166298

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.1	0.1	0.1

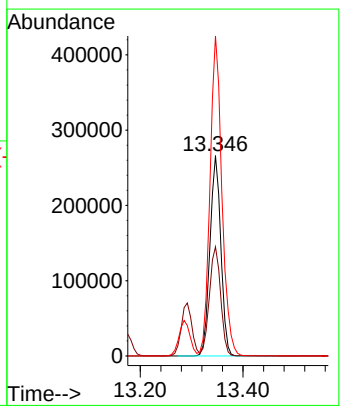


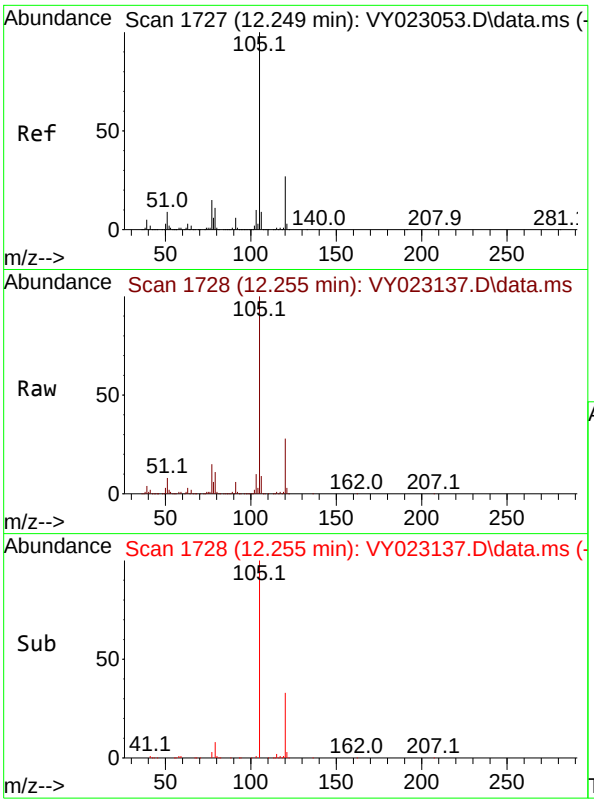


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:152 Resp: 392533

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	173.7	0.0	348.0



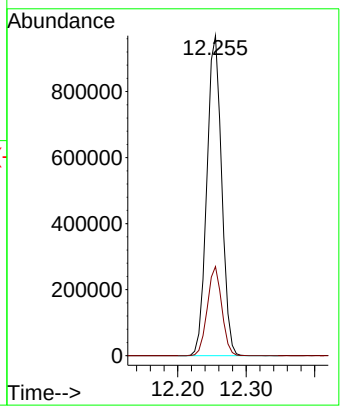


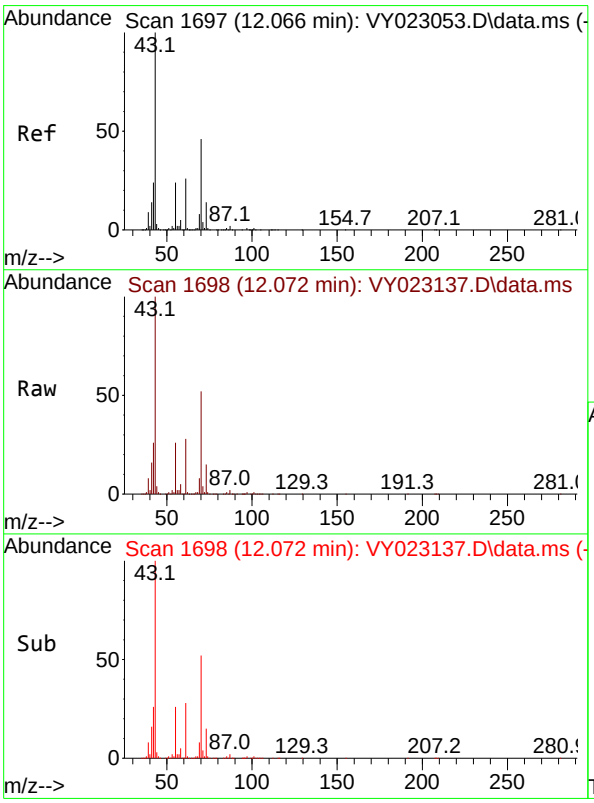
#73
Isopropylbenzene
Concen: 52.528 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 1455261

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.4	40.2

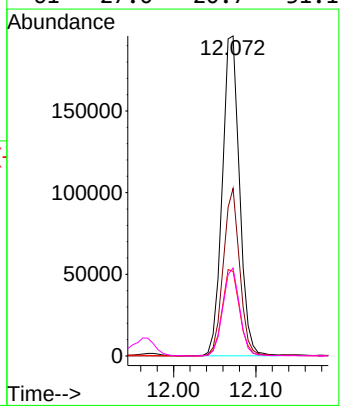


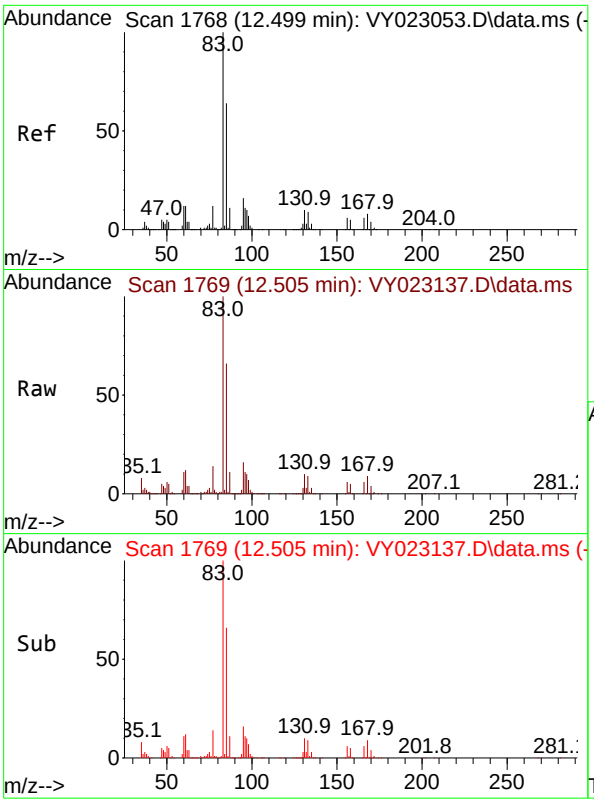


#74
N-amyl acetate
Concen: 48.584 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 285441

Ion	Ratio	Lower	Upper
43	100		
70	49.8	37.5	56.3
55	27.3	20.7	31.1
61	27.0	20.7	31.1



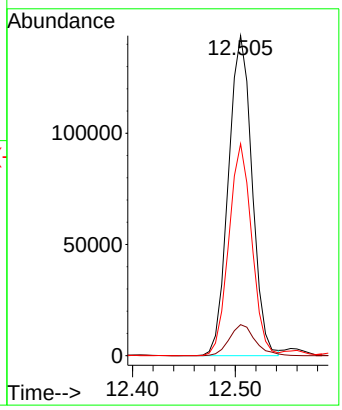


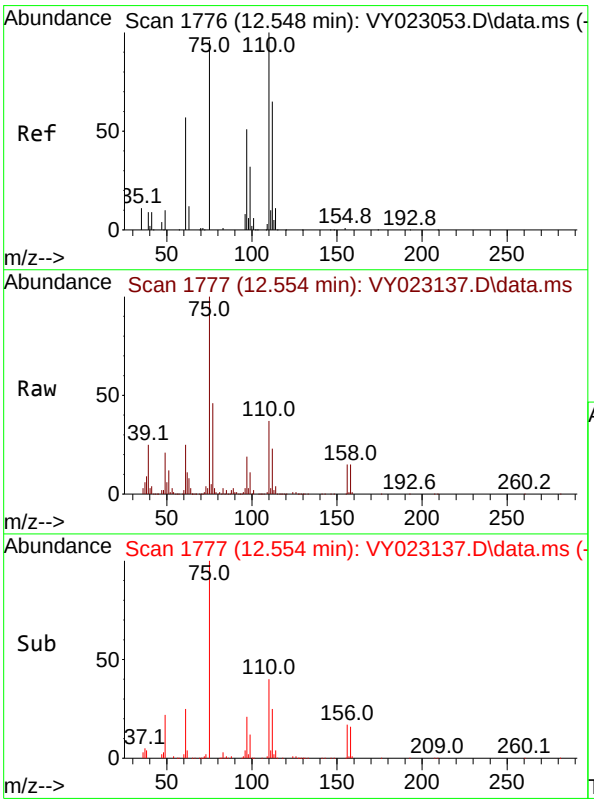
#75
1,1,2,2-Tetrachloroethane
Concen: 48.639 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 230085

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	64.3	31.8	95.3

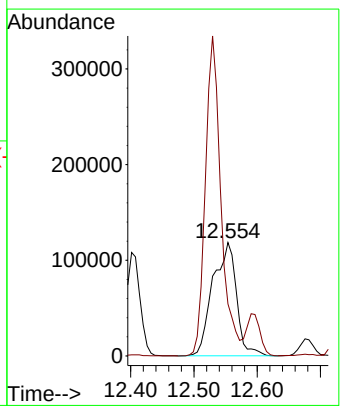


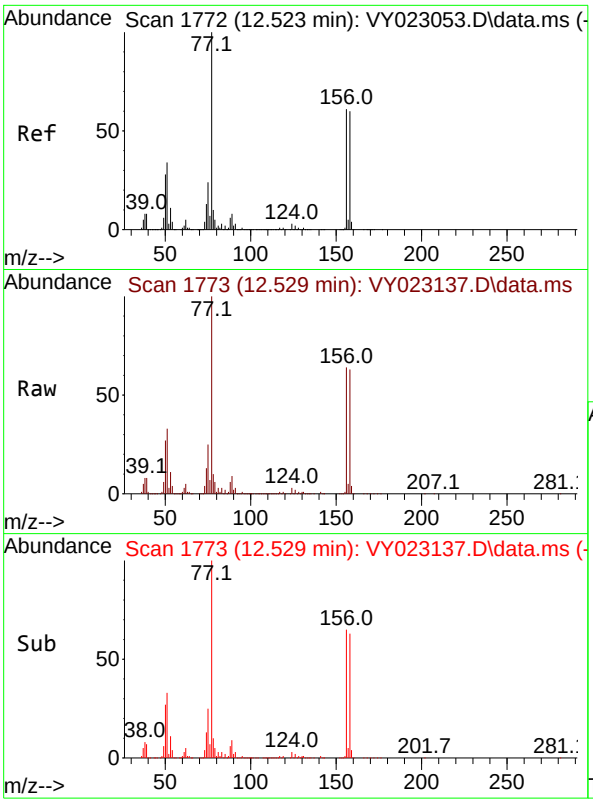


#76
1,2,3-Trichloropropane
Concen: 81.222 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 307699

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



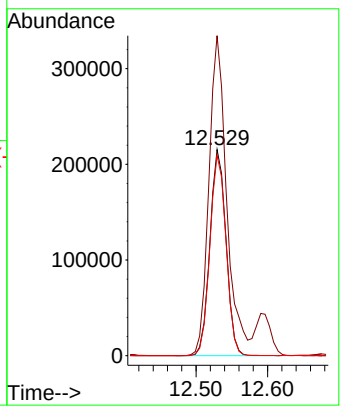


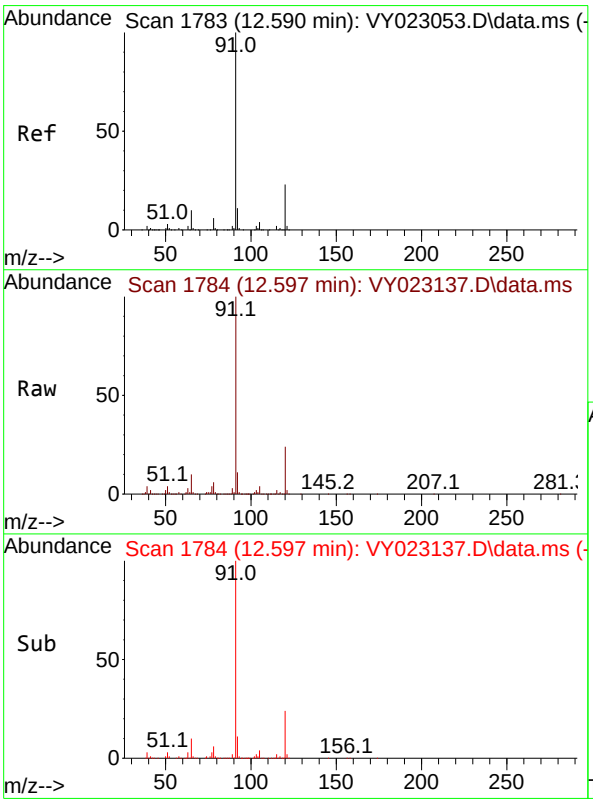
#77
Bromobenzene
Concen: 50.968 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 336874

Ion	Ratio	Lower	Upper
156	100		
77	170.5	88.1	264.4
158	97.2	48.0	144.0

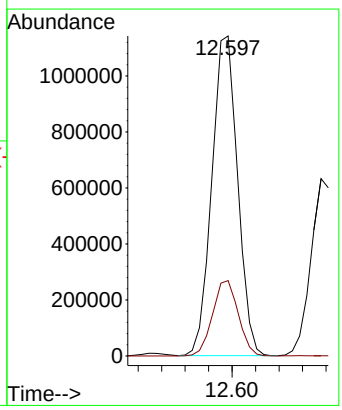


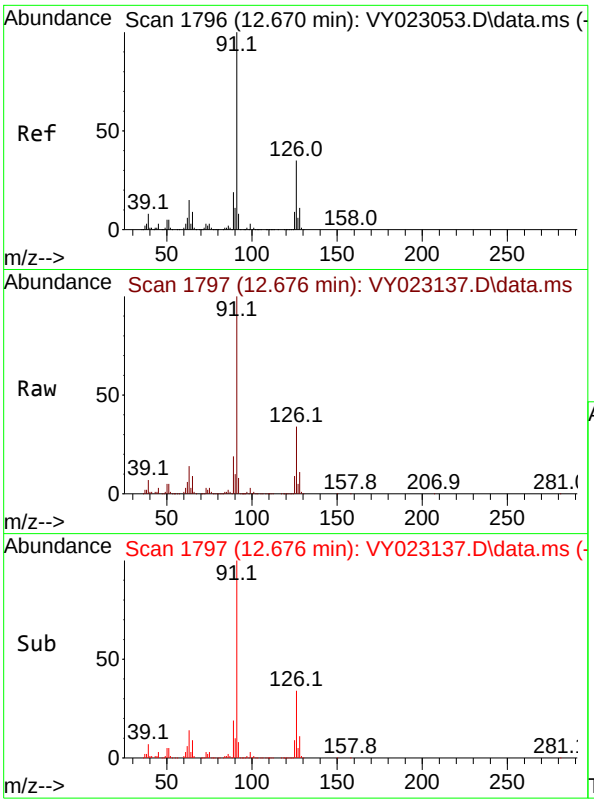


#78
n-propylbenzene
Concen: 52.806 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 1741756

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5



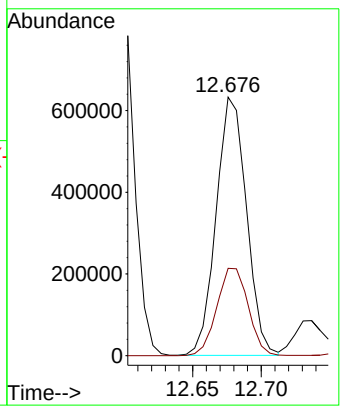


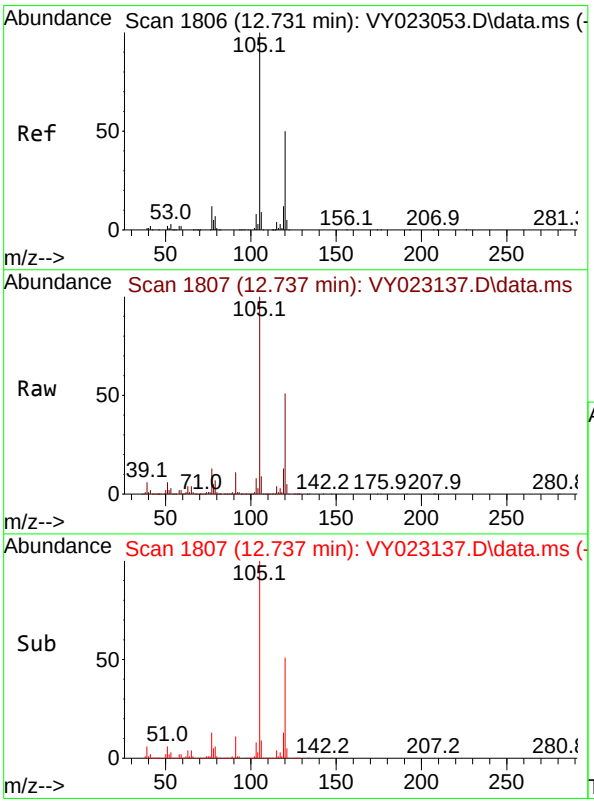
#79
2-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 975057

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3

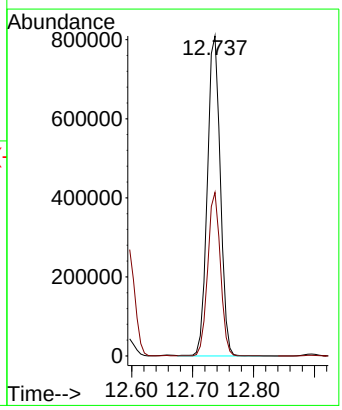


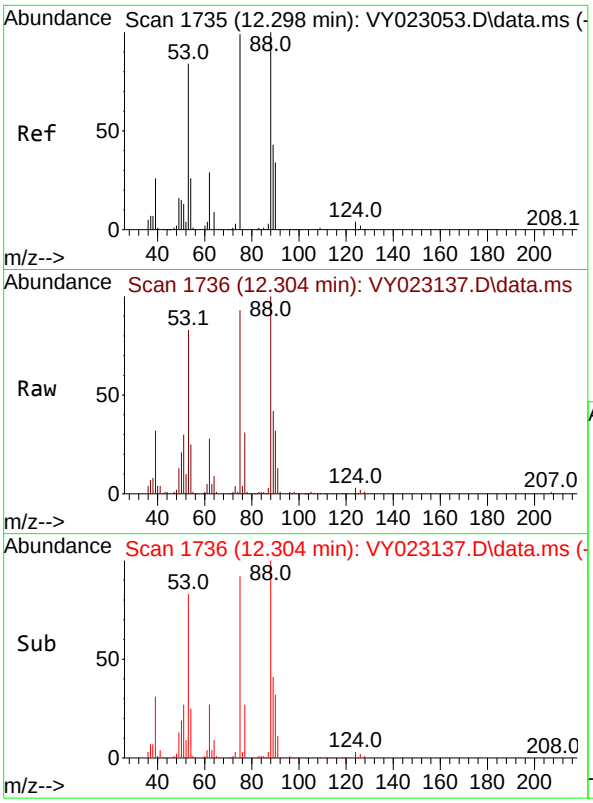


#80
1,3,5-Trimethylbenzene
Concen: 53.229 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 1191826

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4



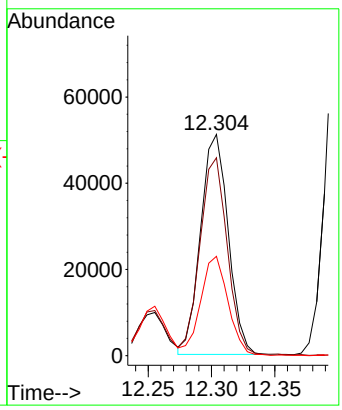


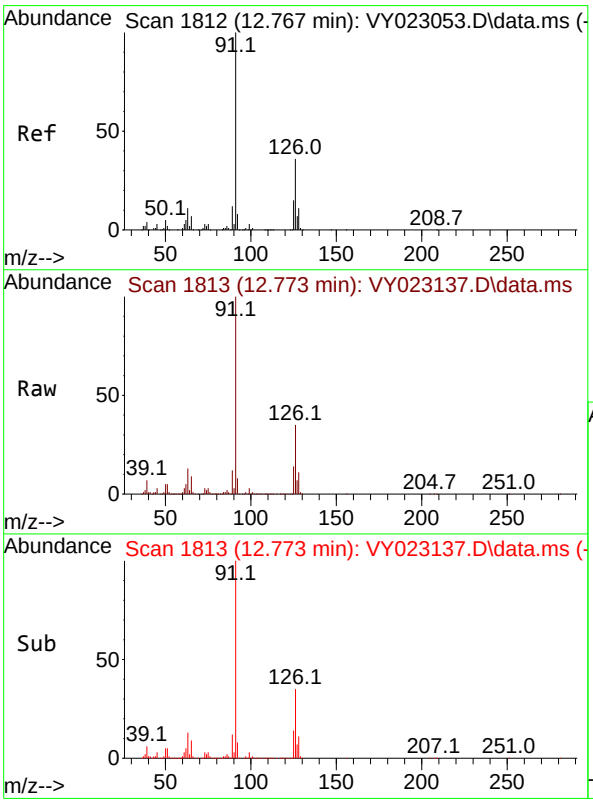
#81
trans-1,4-Dichloro-2-butene
Concen: 49.570 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 77577

Ion	Ratio	Lower	Upper
75	100		
53	89.8	70.8	106.2
89	45.4	38.1	57.1

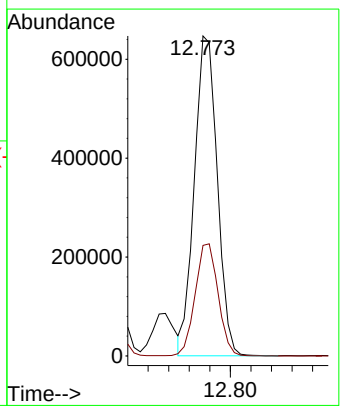


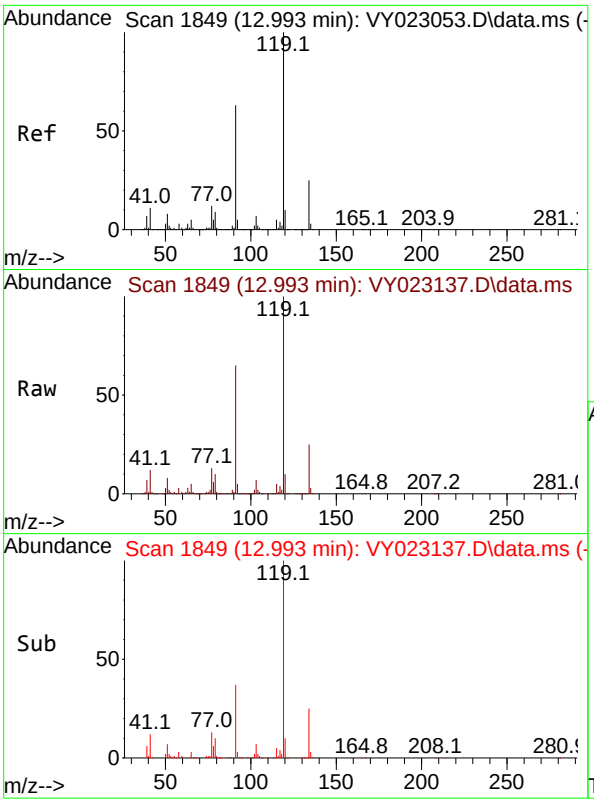


#82
4-Chlorotoluene
Concen: 51.036 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 1000547

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0



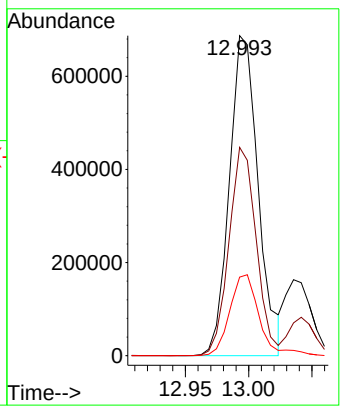


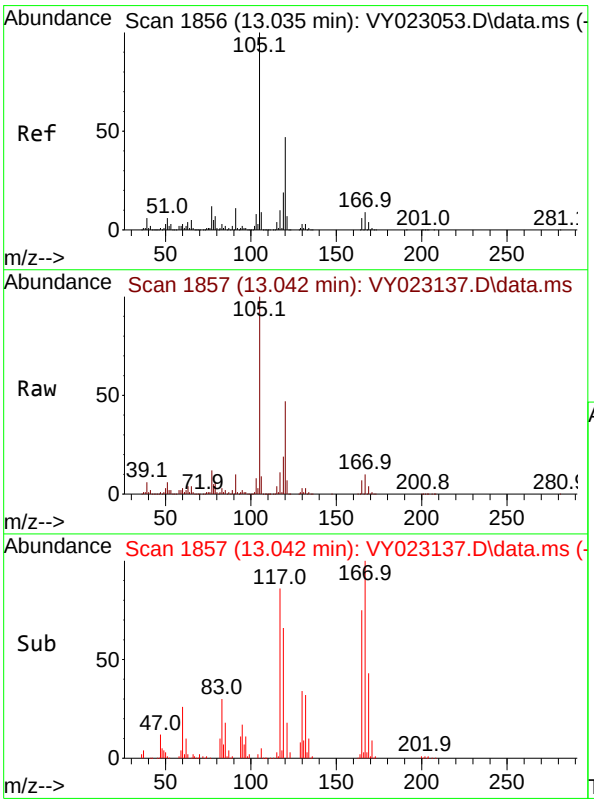
#83
tert-Butylbenzene
Concen: 53.956 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 1091125

Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.6	94.8
134	25.9	12.9	38.7

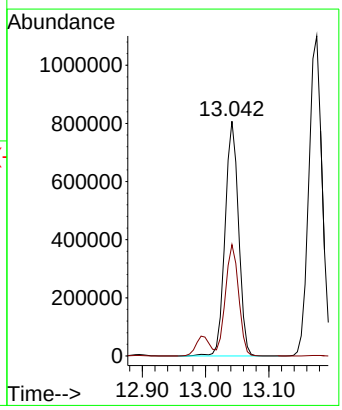


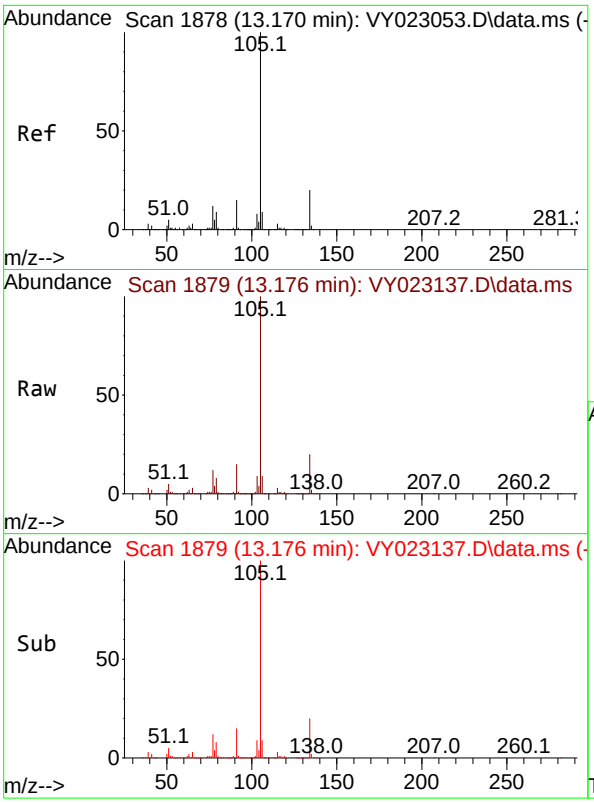


#84
1,2,4-Trimethylbenzene
Concen: 53.459 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 1191535

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0



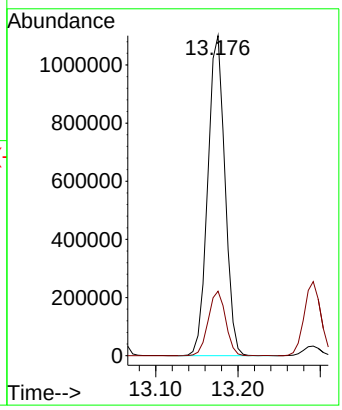


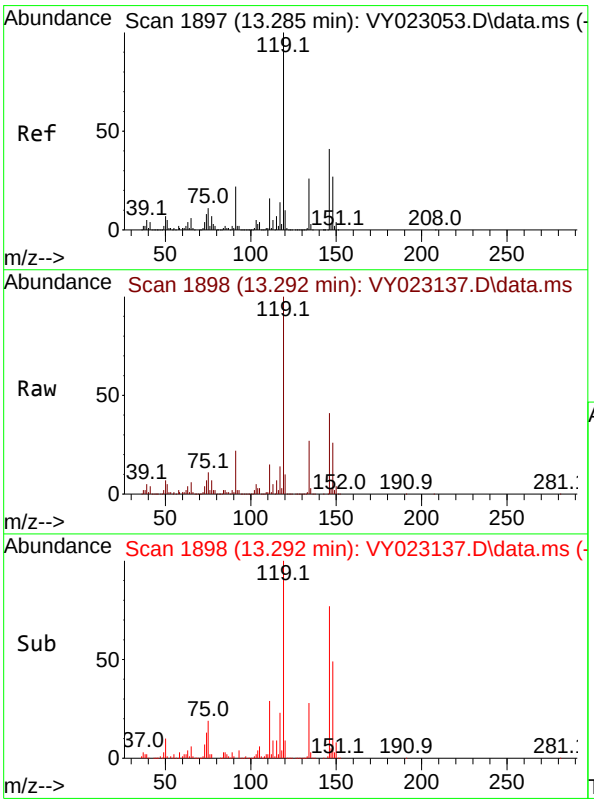
#85
sec-Butylbenzene
Concen: 53.673 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 1594423

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

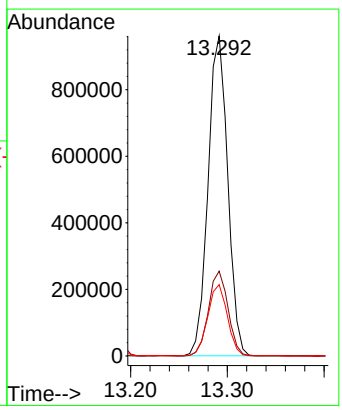


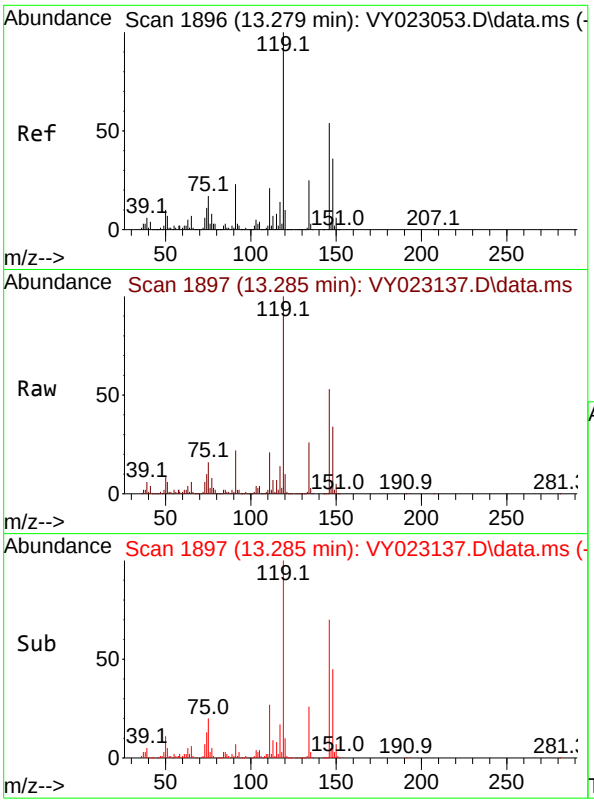


#86
p-Isopropyltoluene
Concen: 55.063 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:119 Resp: 1357746

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	22.2	11.3	33.8



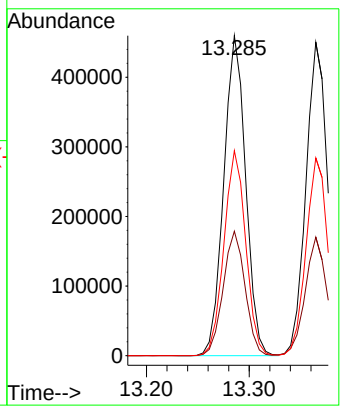


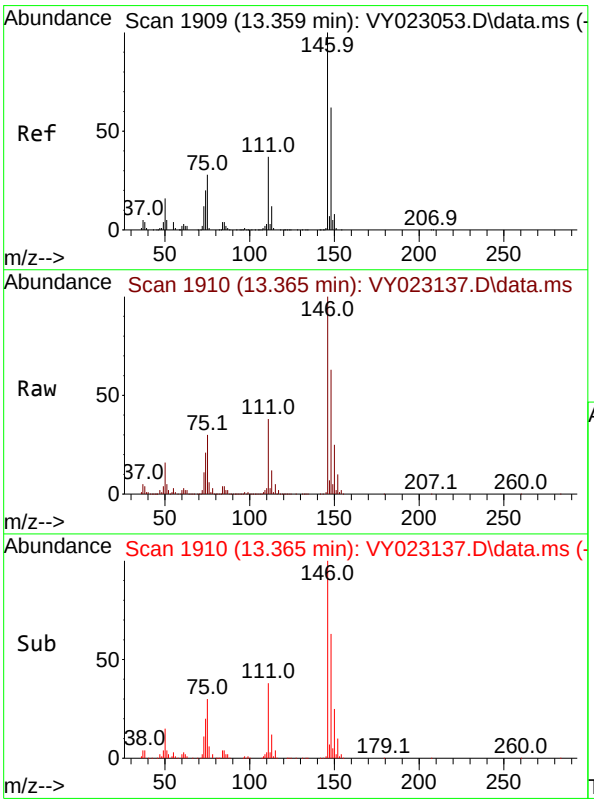
#87
1,3-Dichlorobenzene
Concen: 52.231 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 680781

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.7	32.5	97.5

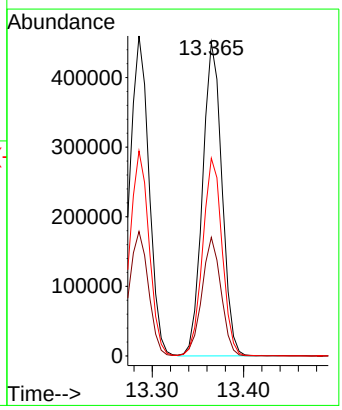


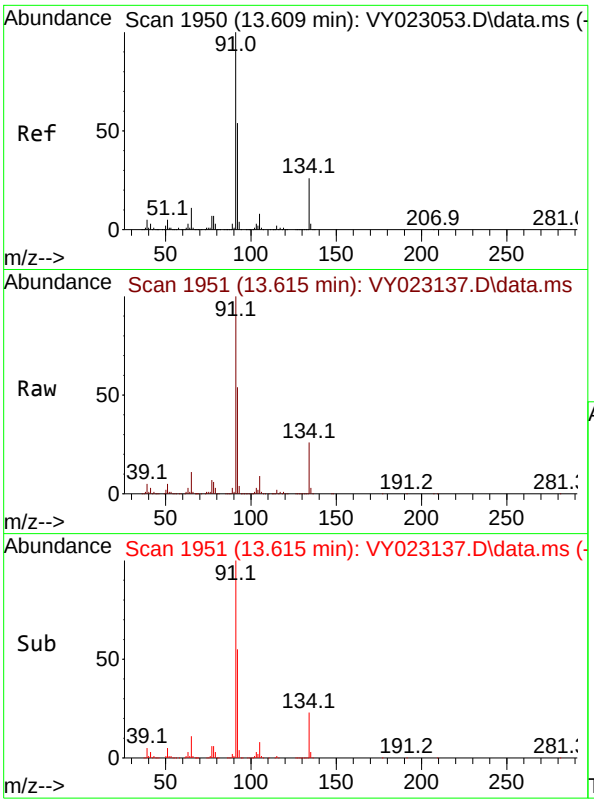


#88
1,4-Dichlorobenzene
Concen: 51.281 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:146 Resp: 663039

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	63.4	31.6	94.7



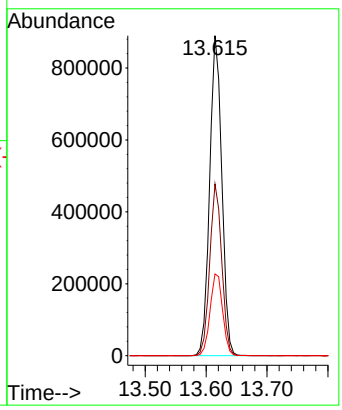


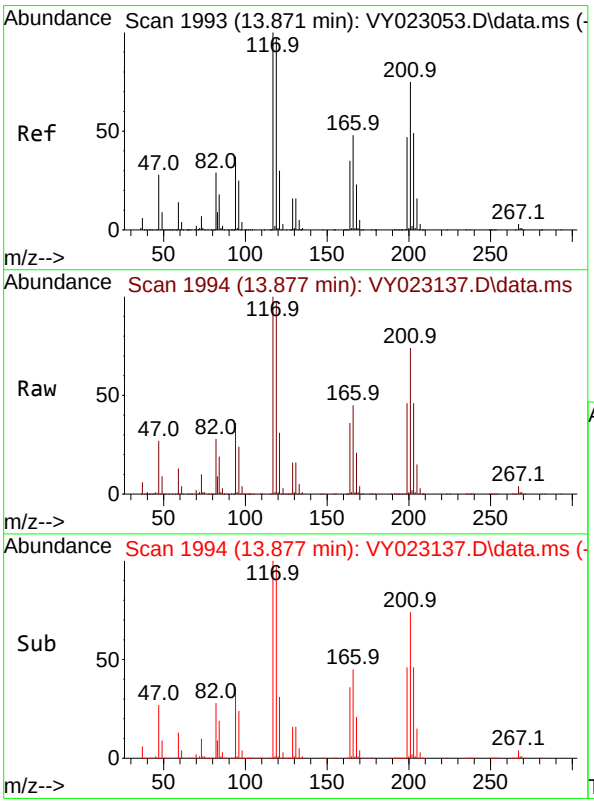
#89
n-Butylbenzene
Concen: 54.384 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1231645

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	26.4	13.2	39.5

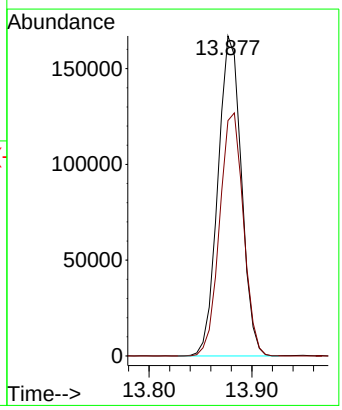


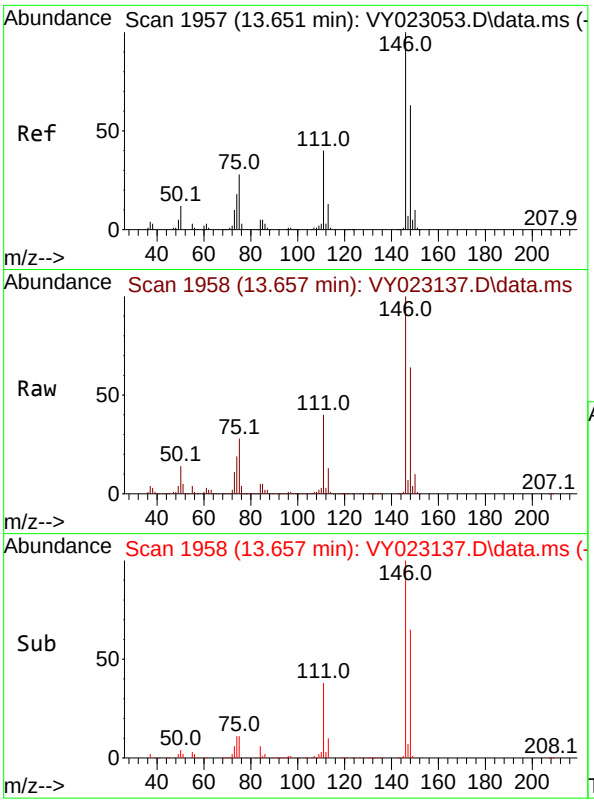


#90
Hexachloroethane
Concen: 52.354 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:117 Resp: 264268

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.1



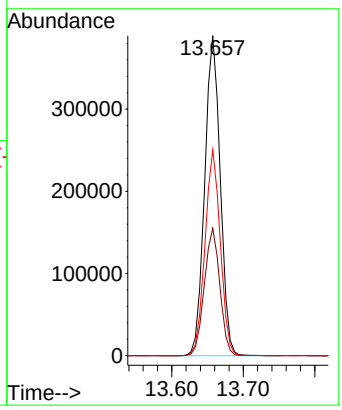


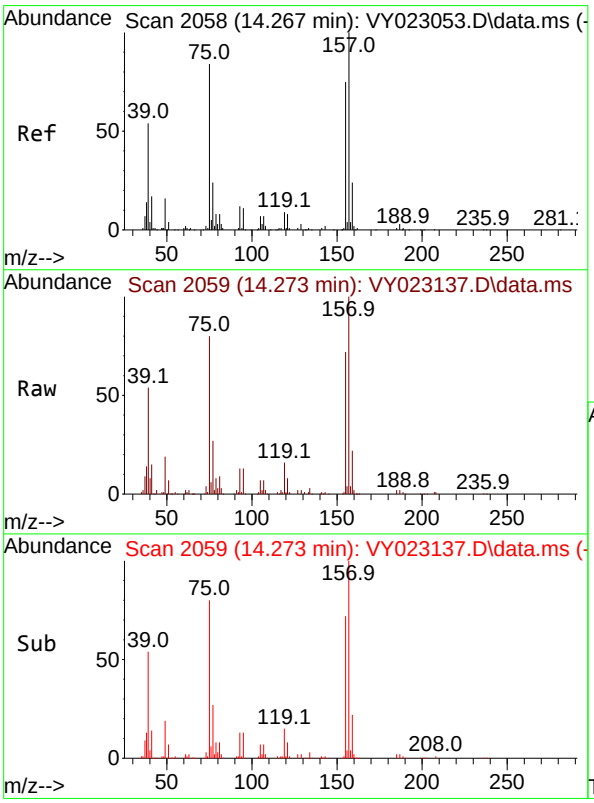
#91
1,2-Dichlorobenzene
Concen: 51.489 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 588570

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	63.3	32.2	96.6

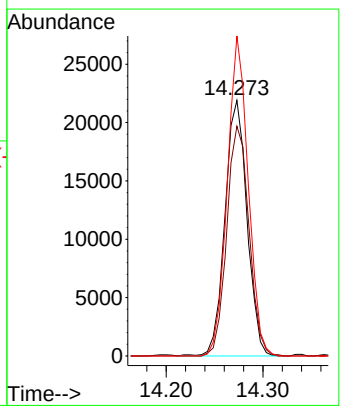


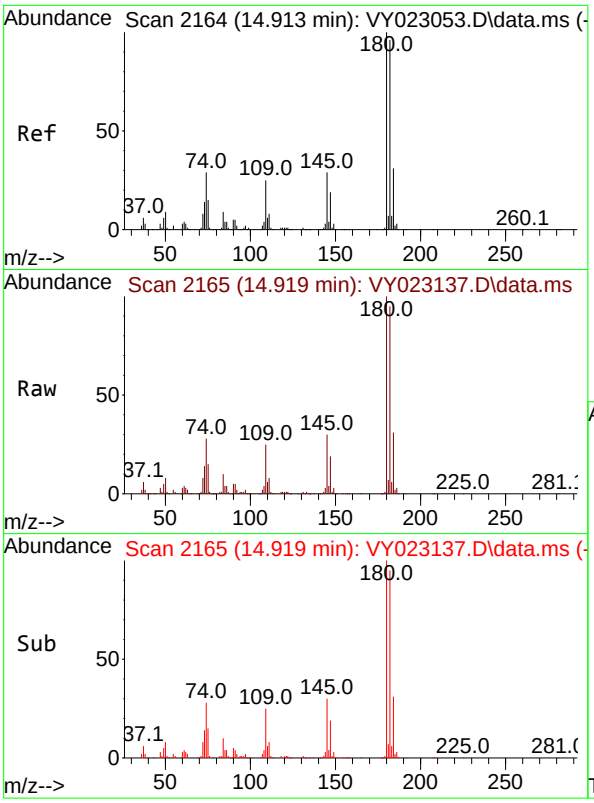


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.081 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 34676

Ion	Ratio	Lower	Upper
75	100		
155	90.7	43.9	131.6
157	118.4	57.2	171.6



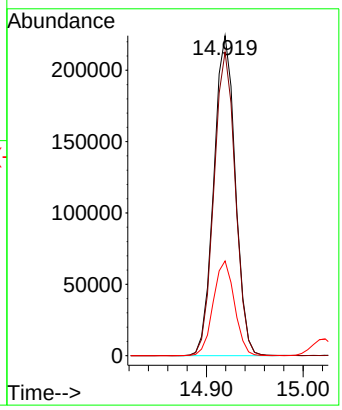


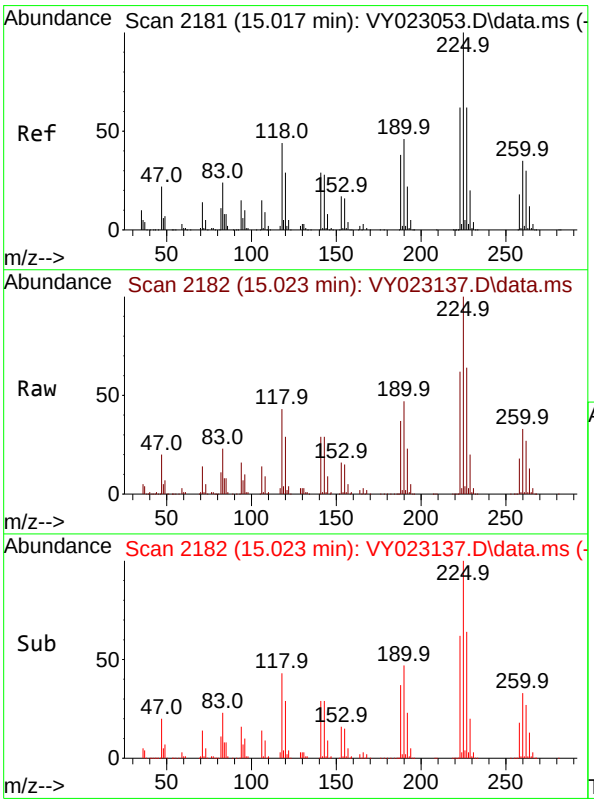
#93
1,2,4-Trichlorobenzene
Concen: 51.158 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 345818

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.4
145	29.3	14.4	43.4

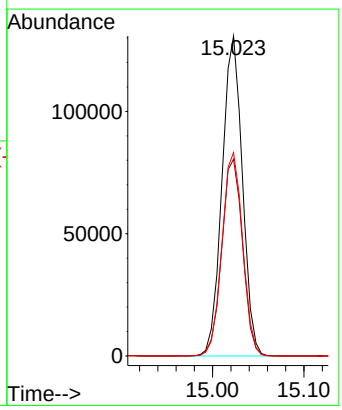


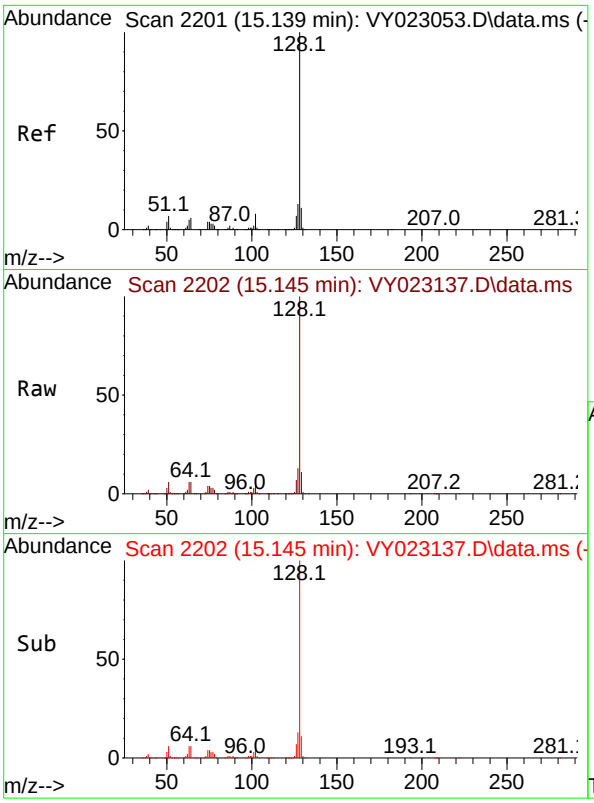


#94
Hexachlorobutadiene
Concen: 50.885 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:225 Resp: 202124

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	64.8	31.5	94.5



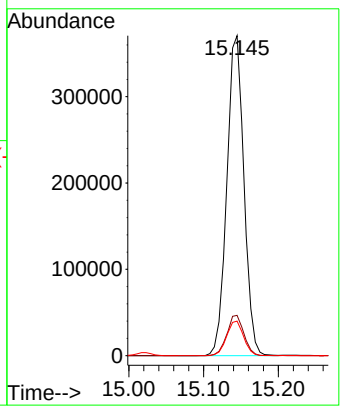


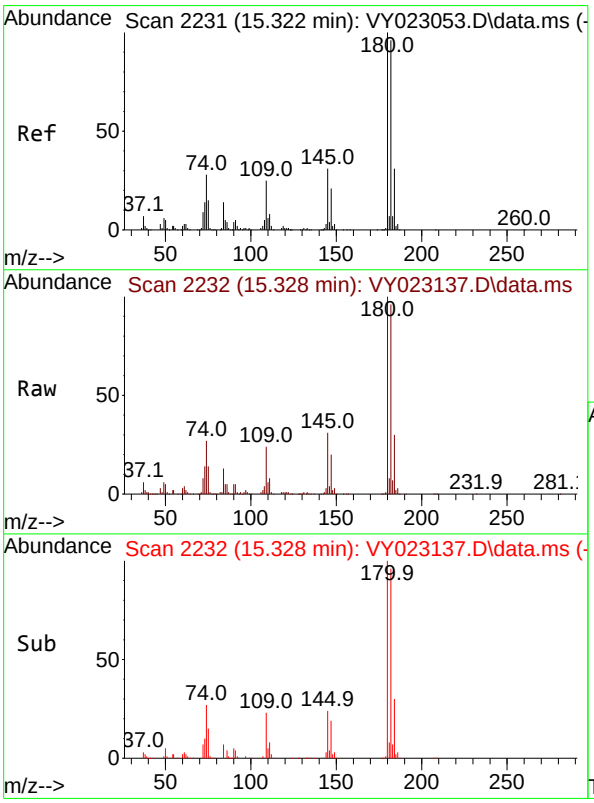
#95
Naphthalene
Concen: 51.208 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 590257

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.9	9.0	13.4

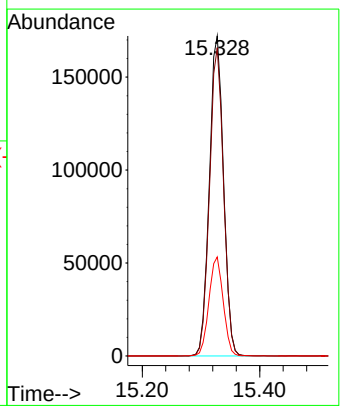




#96
1,2,3-Trichlorobenzene
Concen: 49.517 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:180 Resp: 288433

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.1	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	517532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	816918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	707204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	233623	47.365	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.720%			
35) Dibromofluoromethane	7.634	113	237406	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.140%			
50) Toluene-d8	10.109	98	947313	49.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.401	95	298119	48.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	87281	20.661	ug/l	100
3) Chloromethane	2.074	50	138015	20.171	ug/l	100
4) Vinyl Chloride	2.208	62	173827	20.552	ug/l	99
5) Bromomethane	2.592	94	146241	23.152	ug/l	98
6) Chloroethane	2.738	64	116717	20.757	ug/l	99
7) Trichlorofluoromethane	3.055	101	205259	19.958	ug/l	98
8) Diethyl Ether	3.458	74	54043	19.862	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	109139	21.510	ug/l	99
10) Methyl Iodide	4.006	142	105447	19.260	ug/l	99
11) Tert butyl alcohol	4.860	59	29364	86.885	ug/l	100
12) 1,1-Dichloroethene	3.793	96	103754	20.804	ug/l	91
13) Acrolein	3.653	56	35491	71.706	ug/l	96
14) Allyl chloride	4.384	41	138299	18.846	ug/l	96
15) Acrylonitrile	5.055	53	104521	94.488	ug/l	98
16) Acetone	3.872	43	120414	112.685	ug/l	98
17) Carbon Disulfide	4.104	76	323680	19.905	ug/l	99
18) Methyl Acetate	4.384	43	55412	17.426	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	254848	19.720	ug/l	97
20) Methylene Chloride	4.616	84	114203	18.875	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	117658	20.993	ug/l	96
22) Diisopropyl ether	6.018	45	314582	19.728	ug/l	95
23) Vinyl Acetate	5.963	43	837107	94.938	ug/l	97
24) 1,1-Dichloroethane	5.921	63	194782	19.979	ug/l	100
25) 2-Butanone	6.890	43	146563	100.847	ug/l	99
26) 2,2-Dichloropropane	6.890	77	179625	21.352	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133354	20.582	ug/l	97
28) Bromochloromethane	7.244	49	75324	19.474	ug/l	96
29) Tetrahydrofuran	7.262	42	81427	90.389	ug/l	98
30) Chloroform	7.426	83	208029	20.690	ug/l	100
31) Cyclohexane	7.701	56	180441	19.640	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	185862	20.833	ug/l	99
36) 1,1-Dichloropropene	7.835	75	149696	20.606	ug/l	99
37) Ethyl Acetate	6.981	43	56943	18.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	169089	21.430	ug/l	99
39) Methylcyclohexane	9.109	83	199011	20.803	ug/l	99
40) Benzene	8.079	78	471421	21.055	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	27802	15.786 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	117552	20.187 ug/l	100
43) Isopropyl Acetate	8.195	43	113681	18.431 ug/l	99
44) Trichloroethene	8.865	130	122590	21.187 ug/l	98
45) 1,2-Dichloropropane	9.140	63	105641	20.506 ug/l	99
46) Dibromomethane	9.231	93	62014	20.972 ug/l	97
47) Bromodichloromethane	9.420	83	157692	20.725 ug/l	98
48) Methyl methacrylate	9.219	41	54599	18.499 ug/l	93
49) 1,4-Dioxane	9.231	88	13295	383.459 ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	298177	93.721 ug/l	99
52) Toluene	10.170	92	299030	21.028 ug/l	99
53) t-1,3-Dichloropropene	10.395	75	138793	20.144 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	166637	20.453 ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	80520	20.350 ug/l	95
56) Ethyl methacrylate	10.438	69	94888	18.741 ug/l	99
57) 1,3-Dichloropropane	10.718	76	138195	20.594 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	226098	94.672 ug/l	98
59) 2-Hexanone	10.761	43	214547	99.034 ug/l	100
60) Dibromochloromethane	10.907	129	107311	20.554 ug/l	100
61) 1,2-Dibromoethane	11.017	107	75418	20.280 ug/l	100
64) Tetrachloroethene	10.645	164	129655	20.532 ug/l	99
65) Chlorobenzene	11.438	112	325629	21.346 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	109752	21.199 ug/l	98
67) Ethyl Benzene	11.517	91	545176	20.767 ug/l	98
68) m/p-Xylenes	11.627	106	430120	41.951 ug/l	100
69) o-Xylene	11.956	106	201847	21.020 ug/l	100
70) Styrene	11.968	104	330216	21.028 ug/l	99
71) Bromoform	12.127	173	62105	20.525 ug/l #	99
73) Isopropylbenzene	12.255	105	527385	21.185 ug/l	99
74) N-amyl acetate	12.066	43	98366	18.632 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	87962	20.694 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	112742	33.119 ug/l #	100
77) Bromobenzene	12.529	156	122298	20.592 ug/l	99
78) n-propylbenzene	12.596	91	629976	21.255 ug/l	99
79) 2-Chlorotoluene	12.675	91	356441	20.990 ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	422945	21.022 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27897	19.838 ug/l	98
82) 4-Chlorotoluene	12.773	91	366476	20.803 ug/l	99
83) tert-Butylbenzene	12.992	119	383813	21.122 ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	426567	21.298 ug/l	99
85) sec-Butylbenzene	13.175	105	572911	21.463 ug/l	100
86) p-Isopropyltoluene	13.291	119	473600	21.375 ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	245224	20.938 ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	241992	20.829 ug/l	99
89) n-Butylbenzene	13.614	91	427124	20.989 ug/l	99
90) Hexachloroethane	13.876	117	97949	21.595 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	210816	20.524 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12905	19.499 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	122439	20.157 ug/l	98
94) Hexachlorobutadiene	15.023	225	75487	21.149 ug/l	99
95) Naphthalene	15.145	128	198080	19.124 ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	105286	20.115 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

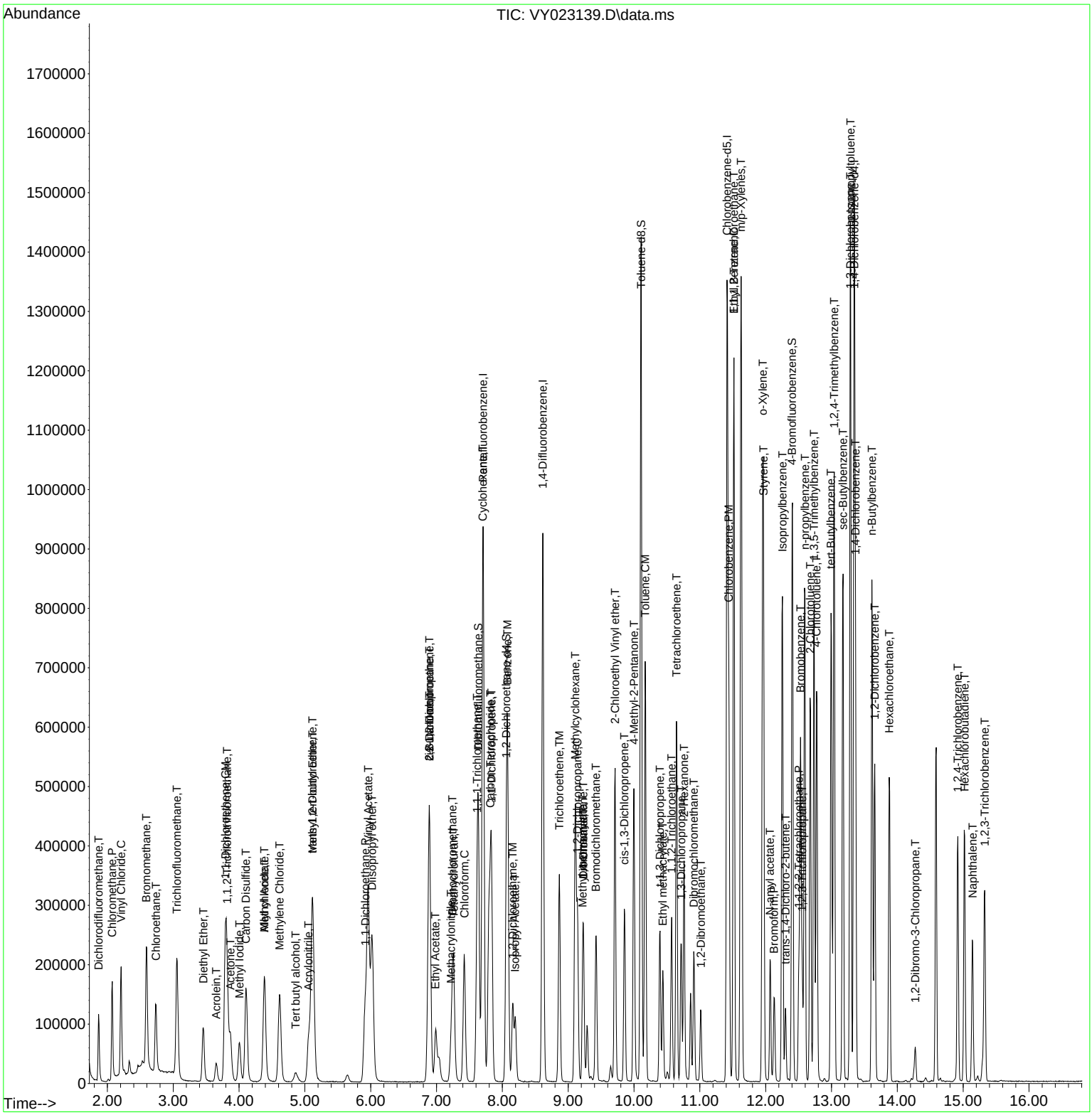
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

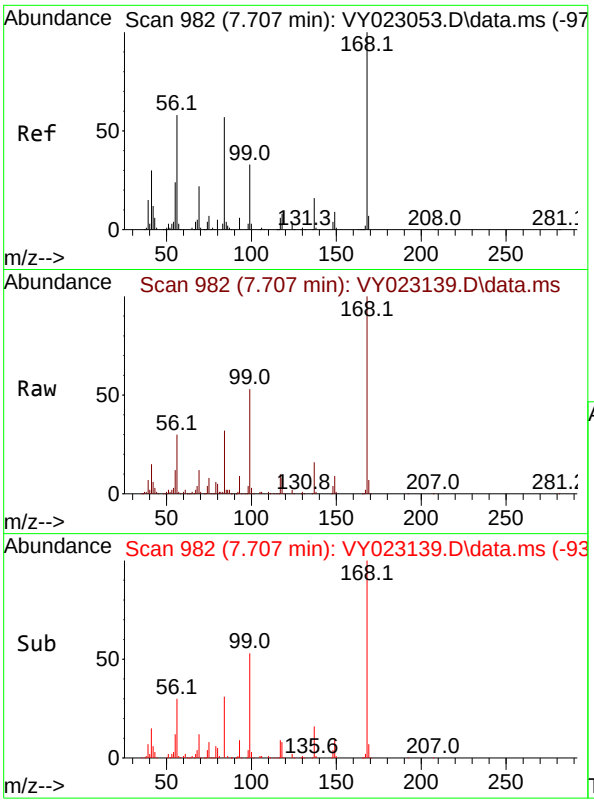
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



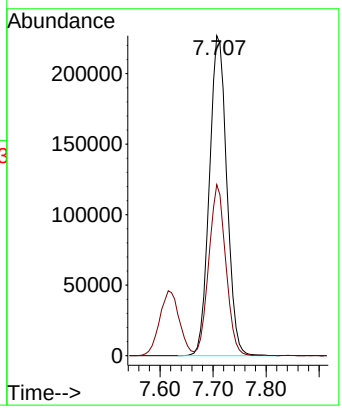


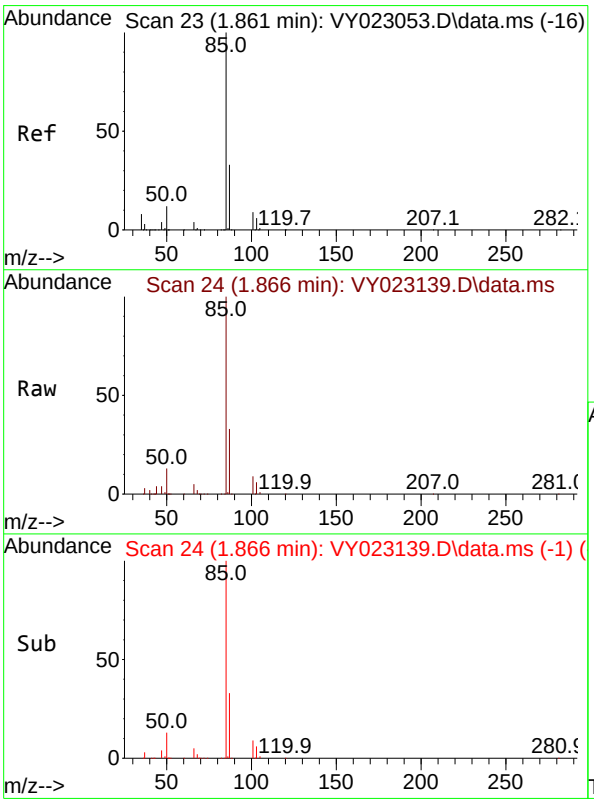
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:168 Resp: 517532

Ion	Ratio	Lower	Upper
168	100		
99	53.4	42.8	64.2

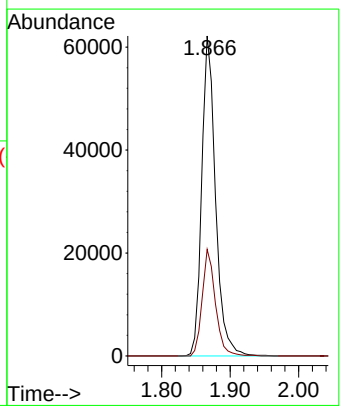


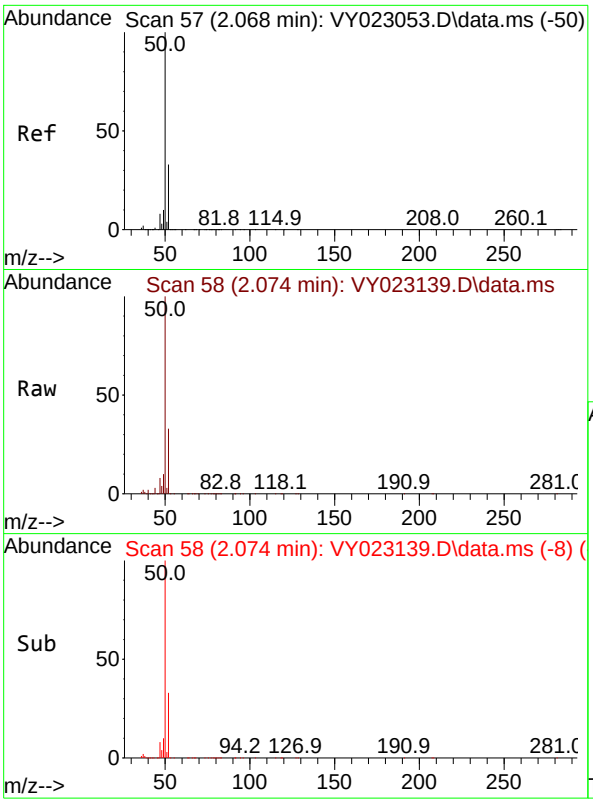


#2
Dichlorodifluoromethane
Concen: 20.661 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 85 Resp: 87281

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8



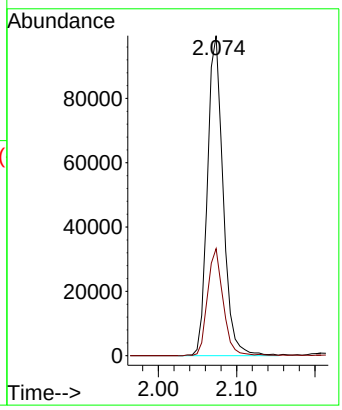


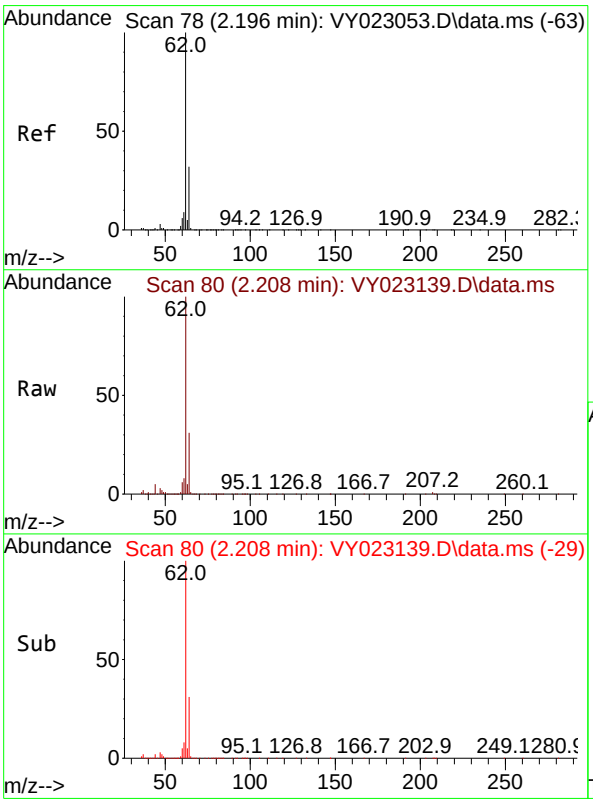
#3
Chloromethane
Concen: 20.171 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 50 Resp: 138015

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.7	40.1

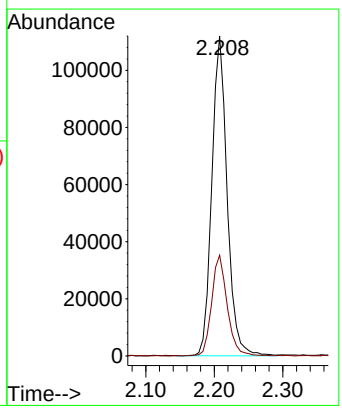


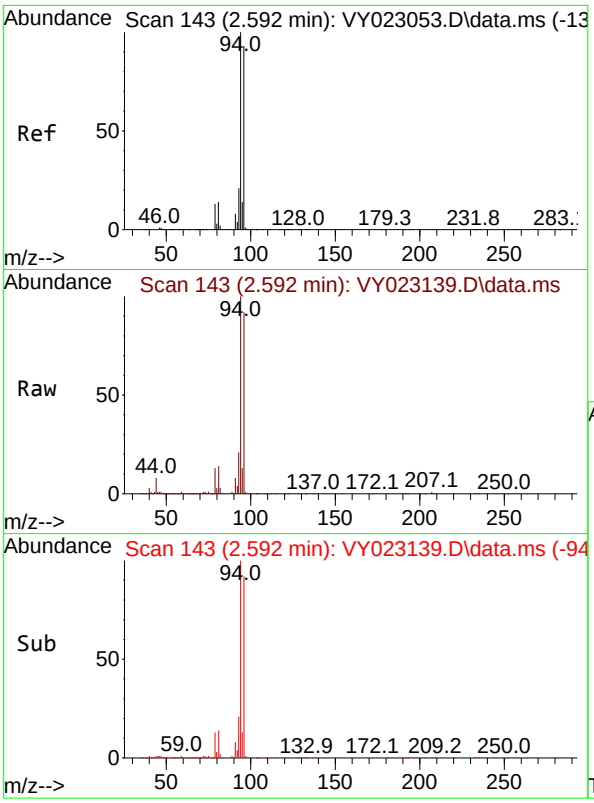


#4
Vinyl Chloride
Concen: 20.552 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 62 Resp: 173827

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.4	38.0



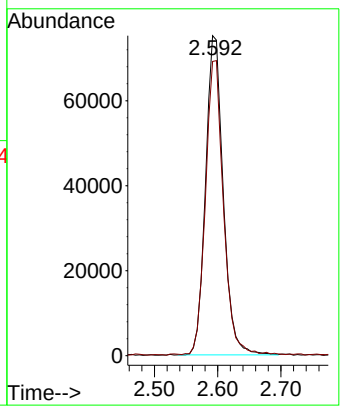


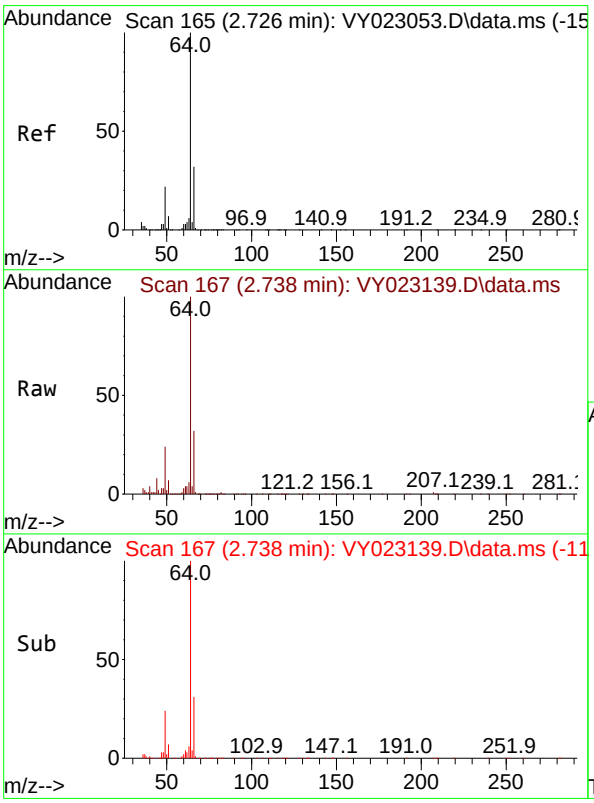
#5
Bromomethane
Concen: 23.152 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 94 Resp: 146241

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.6	112.0

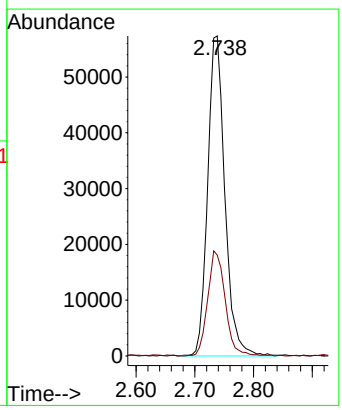


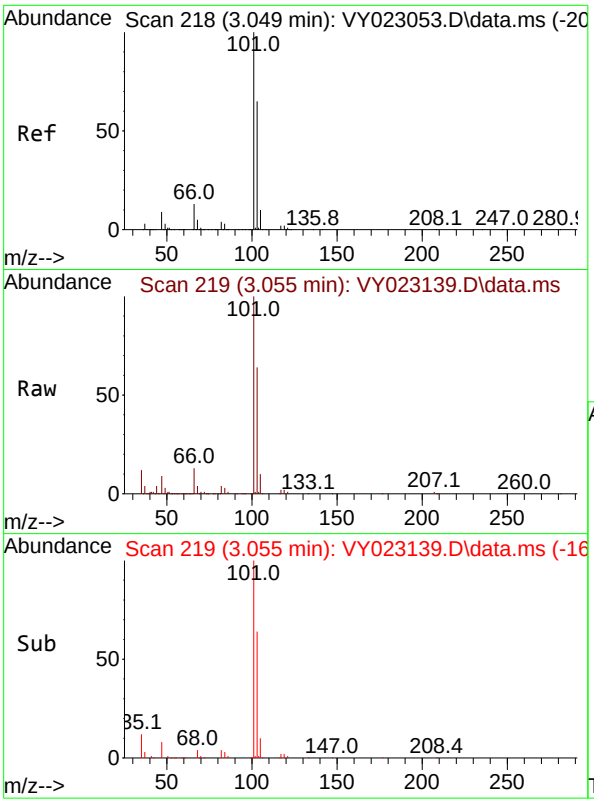


#6
Chloroethane
Concen: 20.757 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 64 Resp: 116717

Ion	Ratio	Lower	Upper
64	100		
66	31.5	25.8	38.6



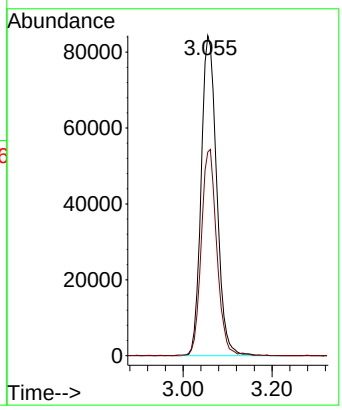


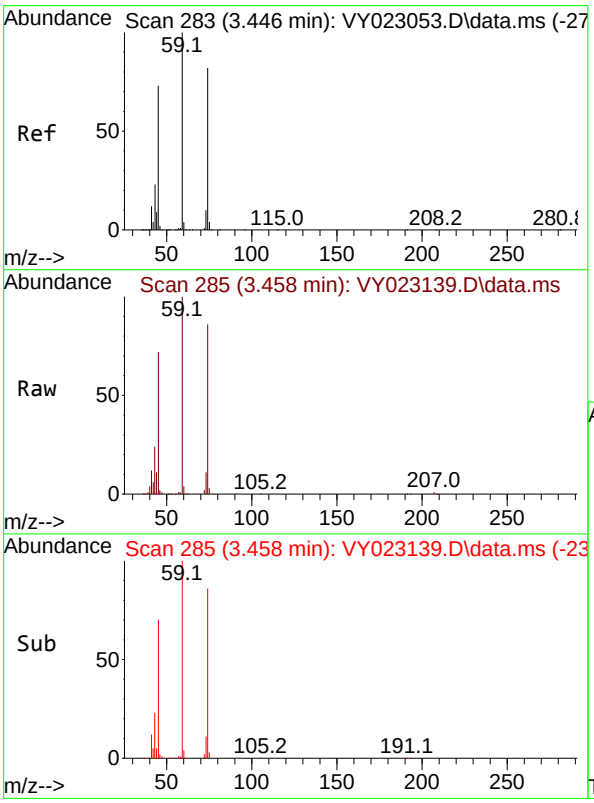
#7
Trichlorofluoromethane
Concen: 19.958 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:101 Resp: 205259

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.9	77.9

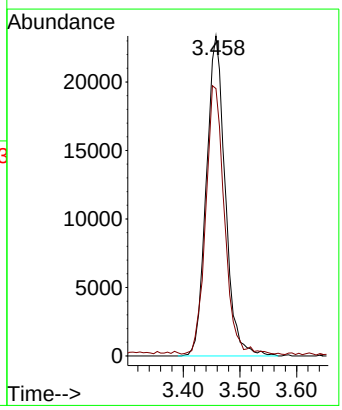


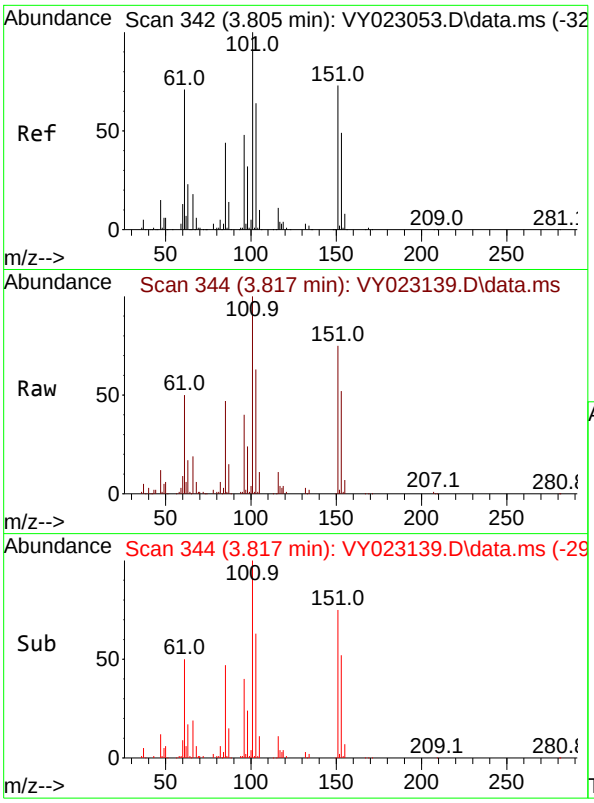


#8
Diethyl Ether
Concen: 19.862 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 74 Resp: 54043

Ion	Ratio	Lower	Upper
74	100		
45	83.3	44.4	133.2



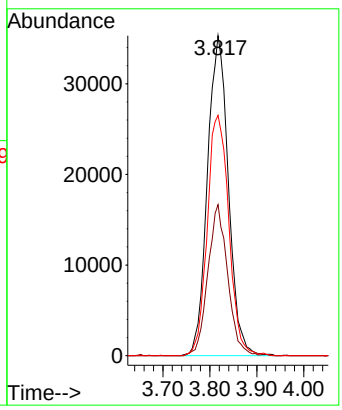


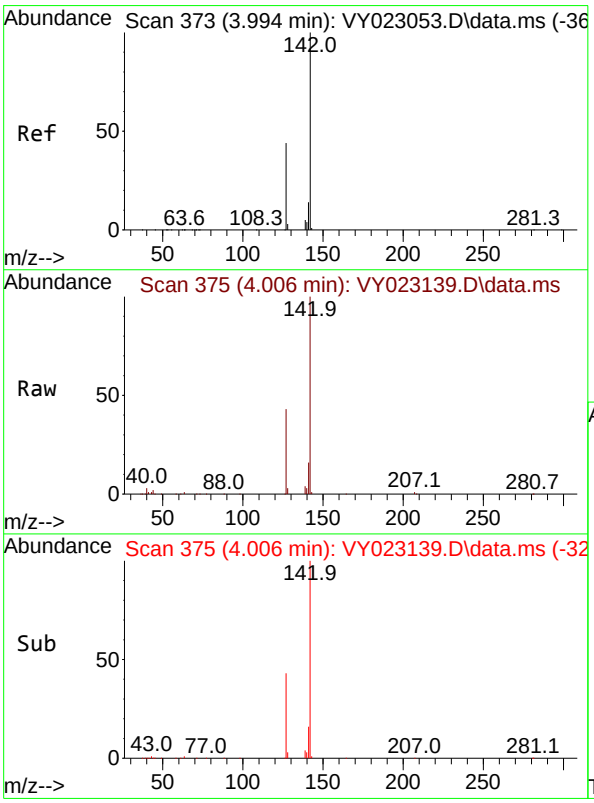
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.510 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:101 Resp: 109139

Ion	Ratio	Lower	Upper
101	100		
85	44.6	36.3	54.5
151	77.5	61.5	92.3

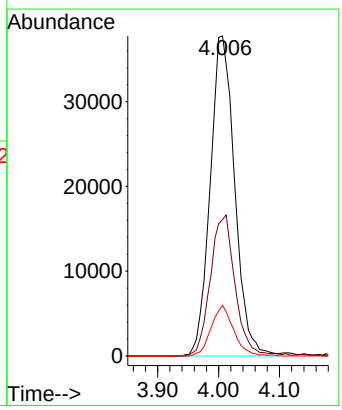


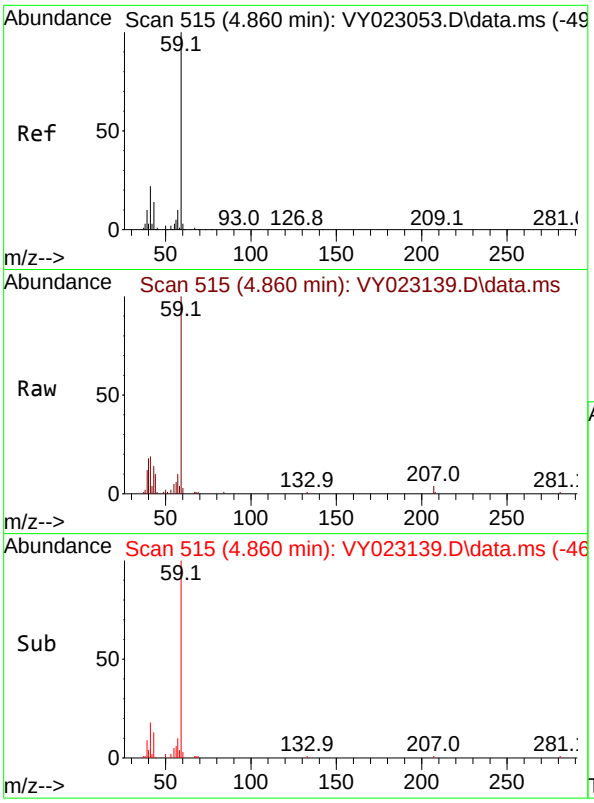


#10
Methyl Iodide
Concen: 19.260 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:142 Resp: 105447

Ion	Ratio	Lower	Upper
142	100		
127	44.5	34.9	52.3
141	14.5	11.3	16.9



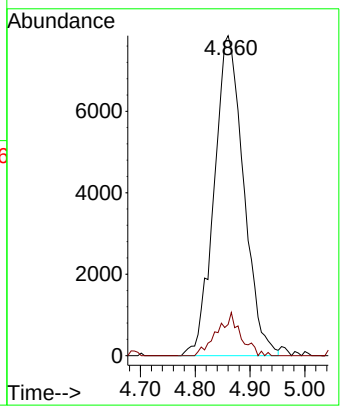


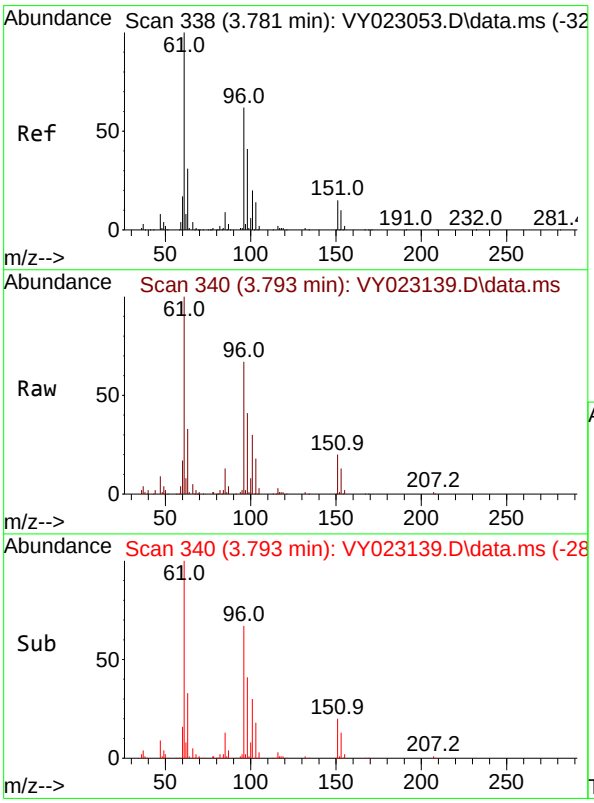
#11
Tert butyl alcohol
Concen: 86.885 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 59 Resp: 29364

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

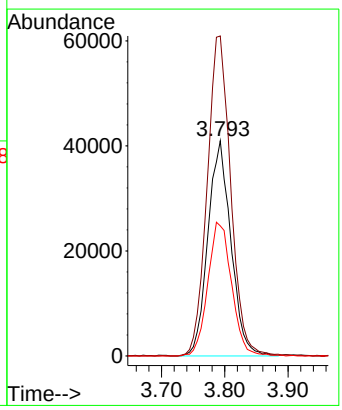


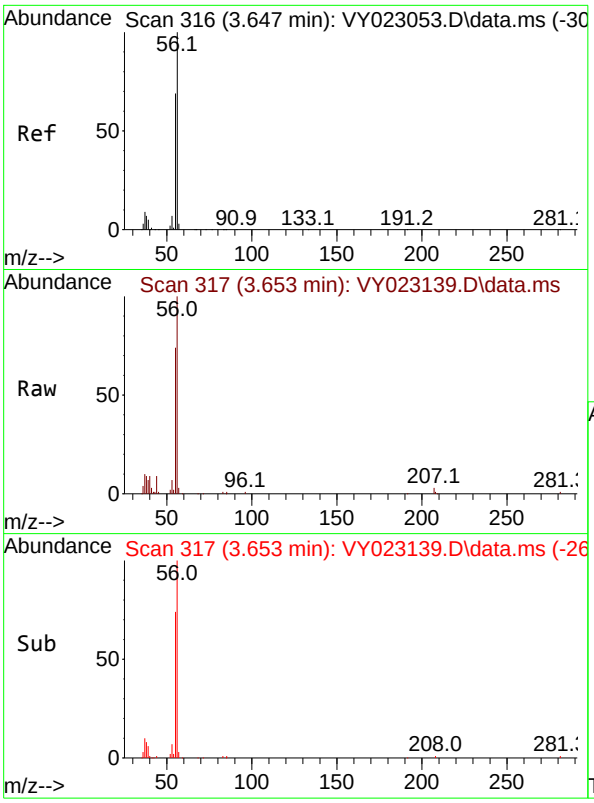


#12
1,1-Dichloroethene
Concen: 20.804 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 96 Resp: 103754

Ion	Ratio	Lower	Upper
96	100		
61	148.7	129.4	194.2
98	60.4	52.8	79.2



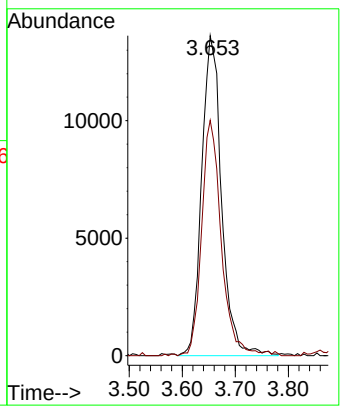


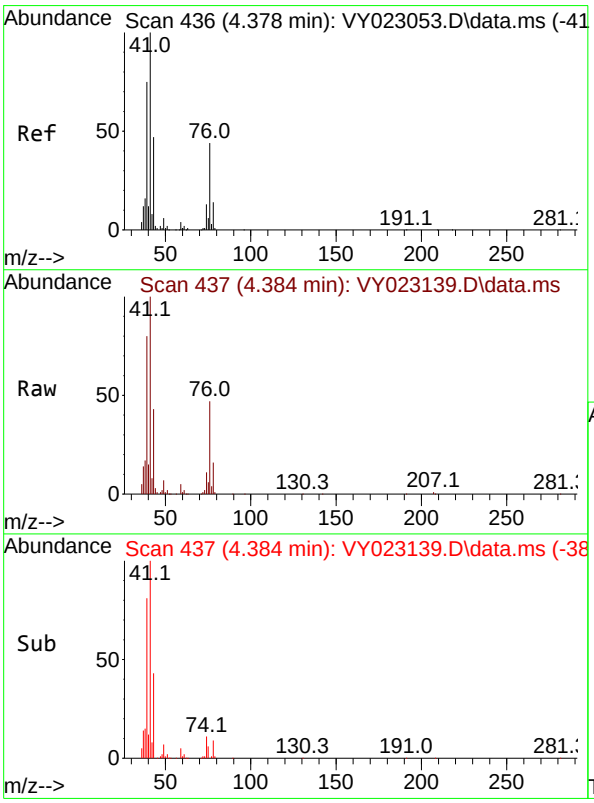
#13
Acrolein
Concen: 71.706 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 56 Resp: 35491

Ion	Ratio	Lower	Upper
56	100		
55	72.0	55.2	82.8

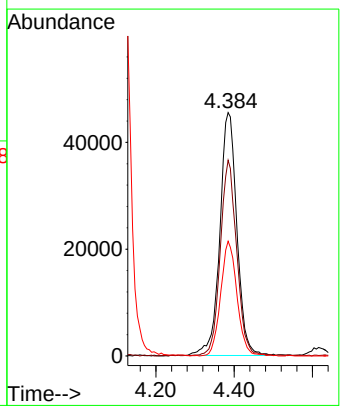


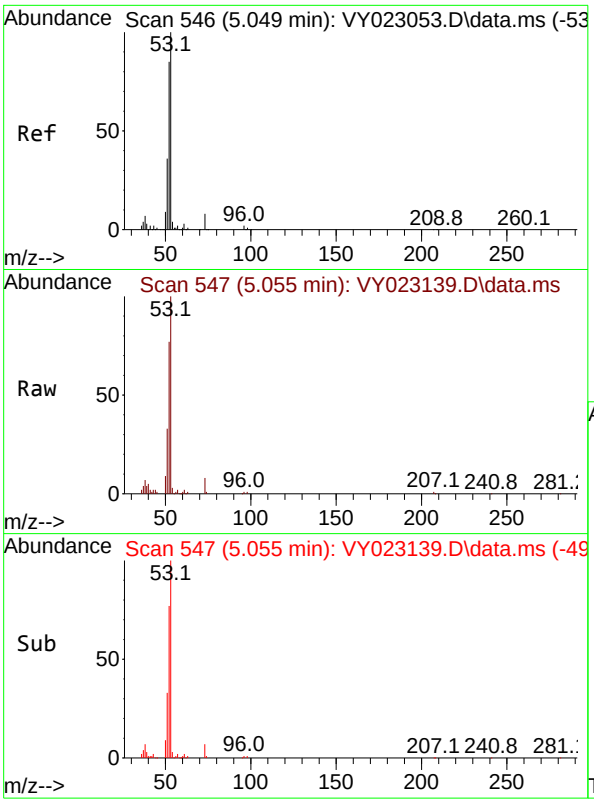


#14
Allyl chloride
Concen: 18.846 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 138299

Ion	Ratio	Lower	Upper
41	100		
39	77.1	59.8	89.6
76	45.1	33.7	50.5



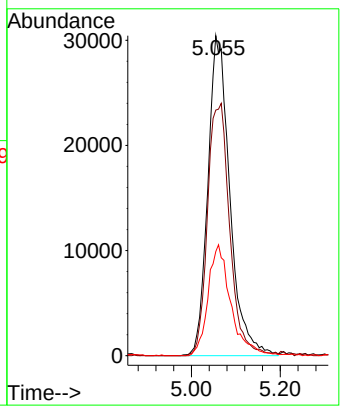


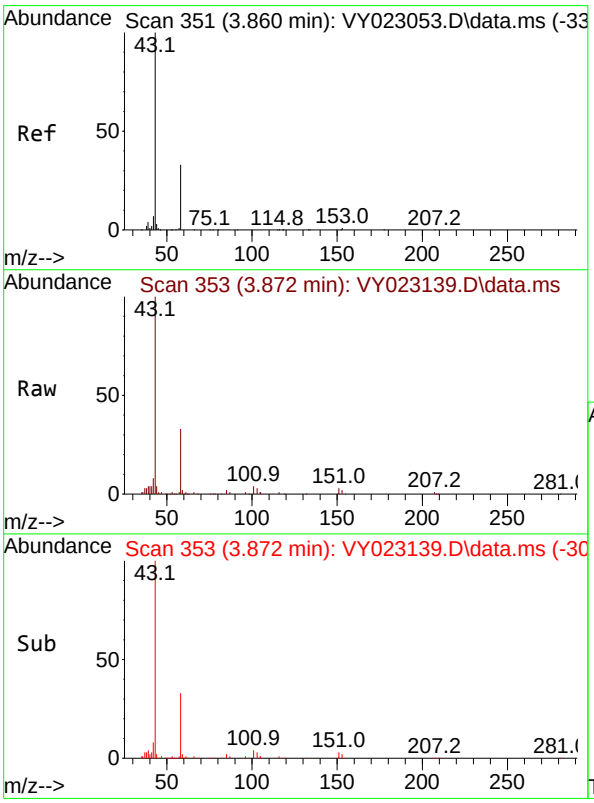
#15
Acrylonitrile
Concen: 94.488 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 53 Resp: 104521

Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.3	97.9
51	35.9	29.5	44.3

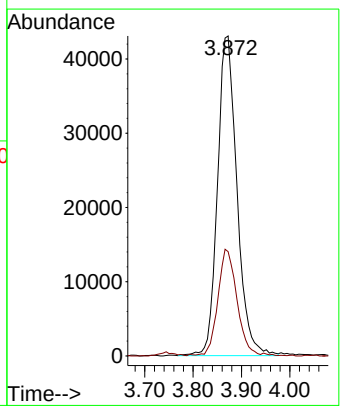


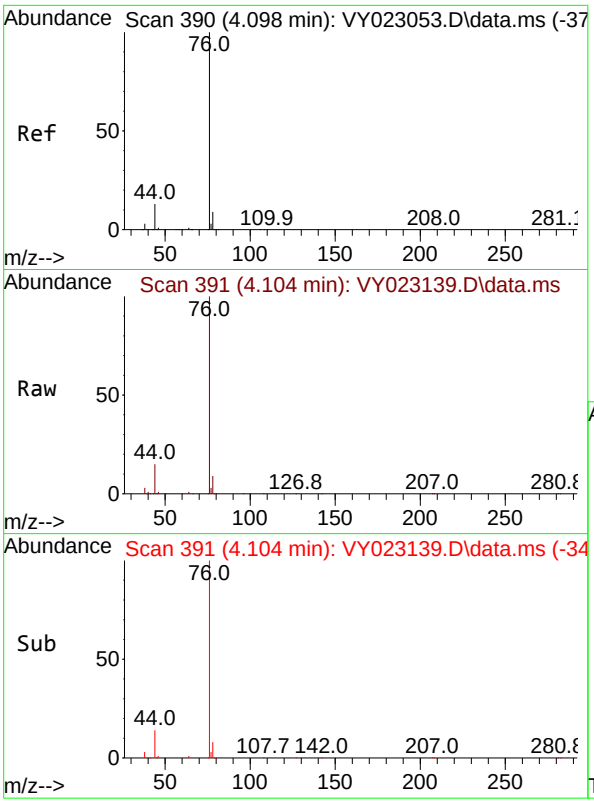


#16
Acetone
Concen: 112.685 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 120414

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.1	40.7



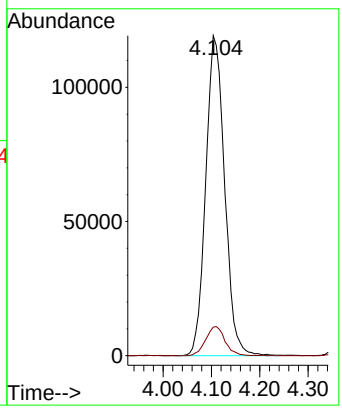


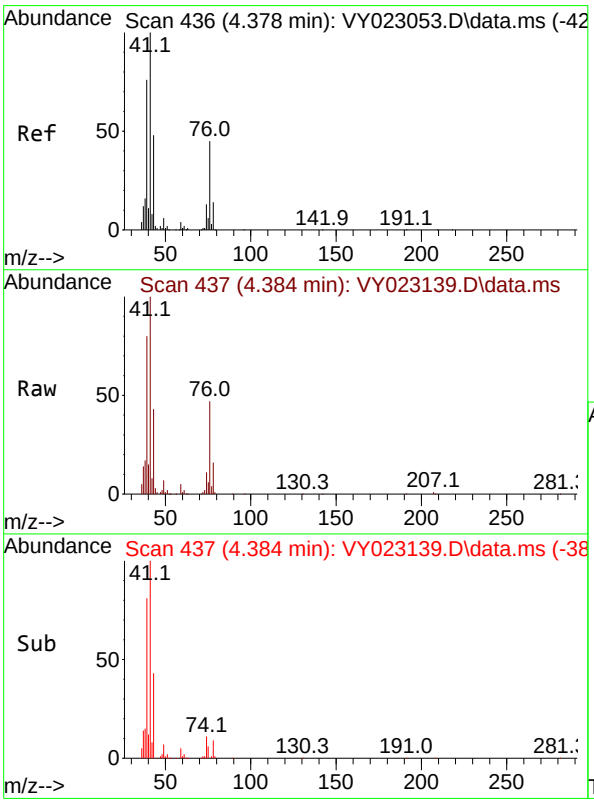
#17
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 76 Resp: 323680

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

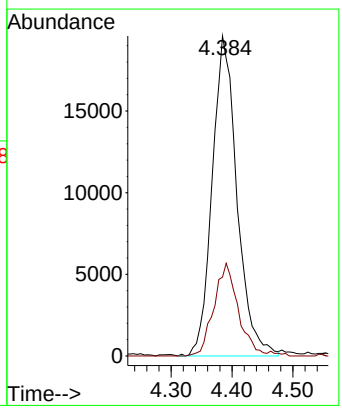


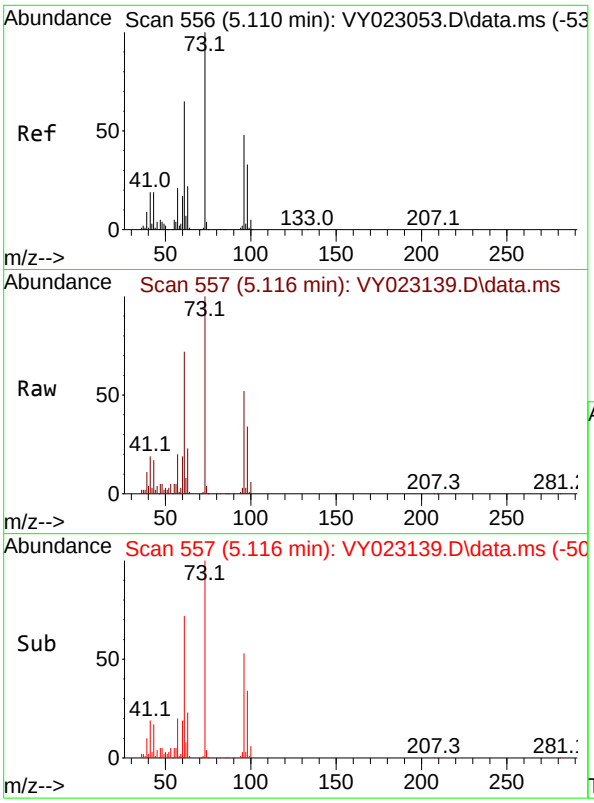


#18
Methyl Acetate
Concen: 17.426 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 55412

Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.2	31.8



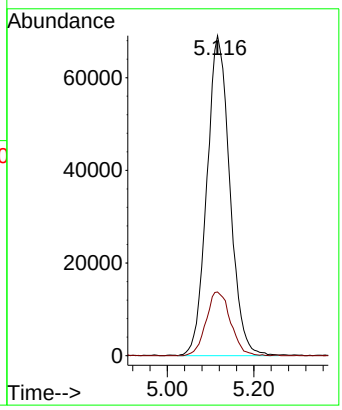


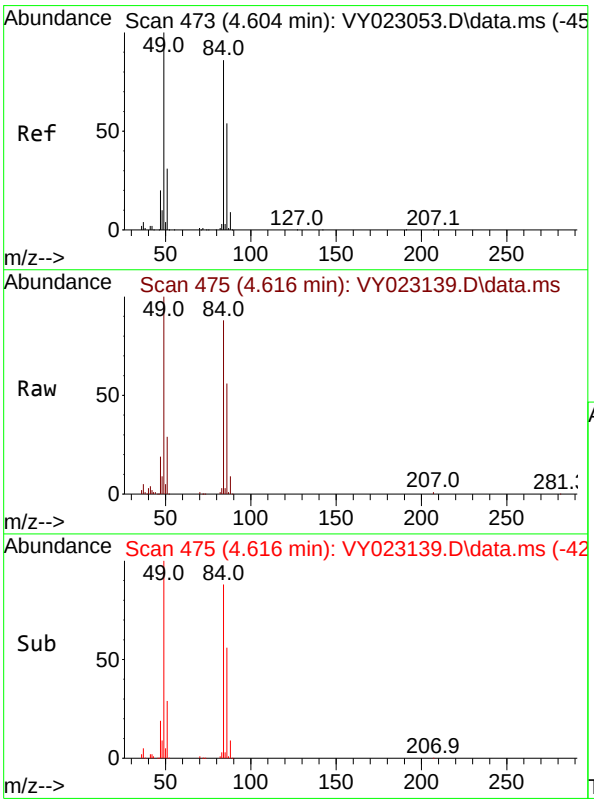
#19
Methyl tert-butyl Ether
Concen: 19.720 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 73 Resp: 254848

Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.1	25.7

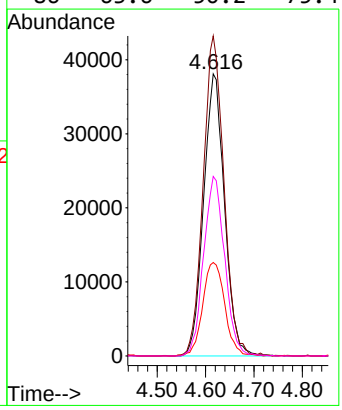


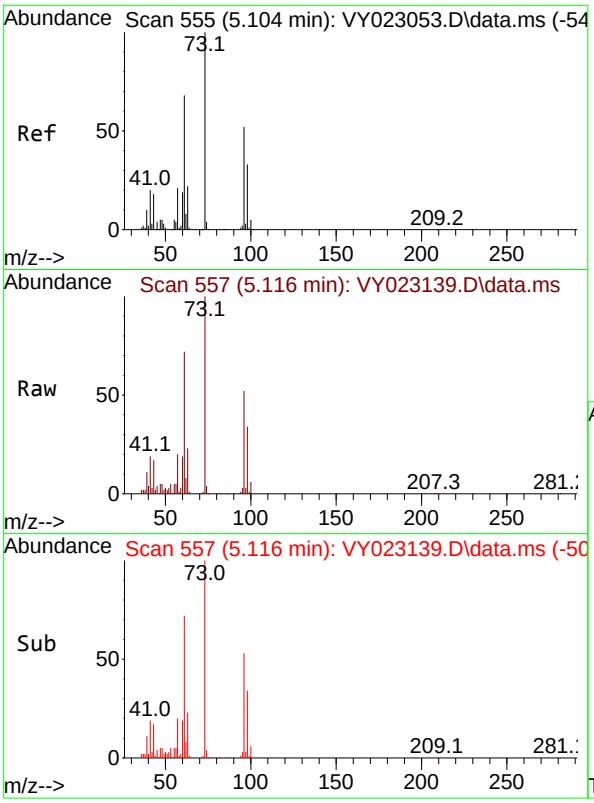


#20
Methylene Chloride
Concen: 18.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 84 Resp: 114203

Ion	Ratio	Lower	Upper
84	100		
49	113.2	93.0	139.6
51	33.1	29.0	43.4
86	63.6	50.2	75.4



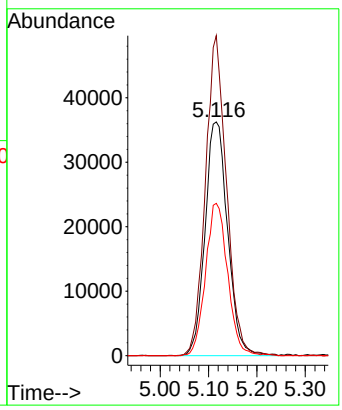


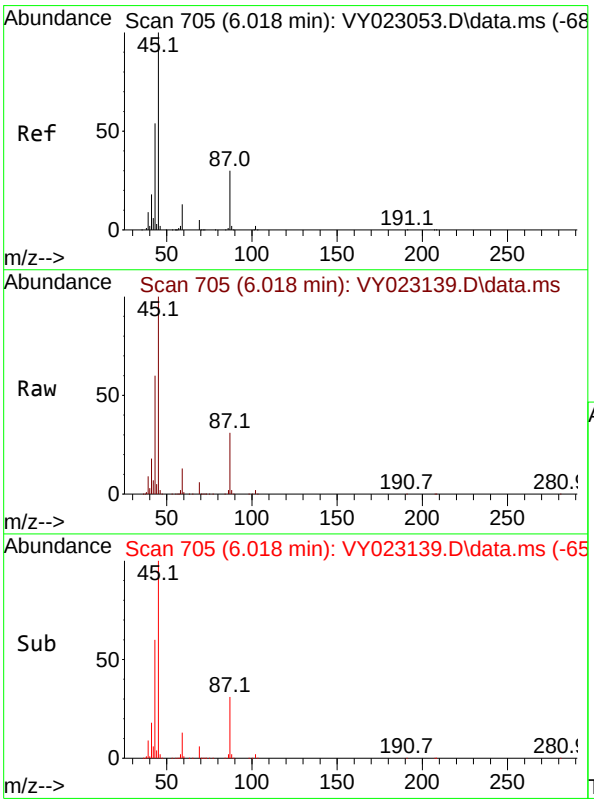
#21
trans-1,2-Dichloroethene
Concen: 20.993 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 96 Resp: 117658

Ion	Ratio	Lower	Upper
96	100		
61	136.8	104.8	157.2
98	65.2	50.1	75.1

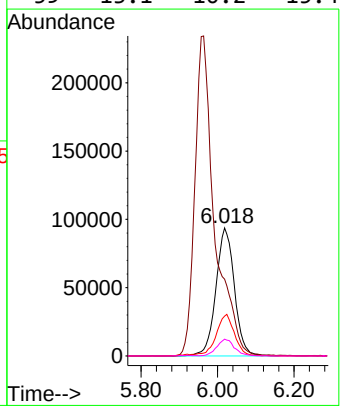


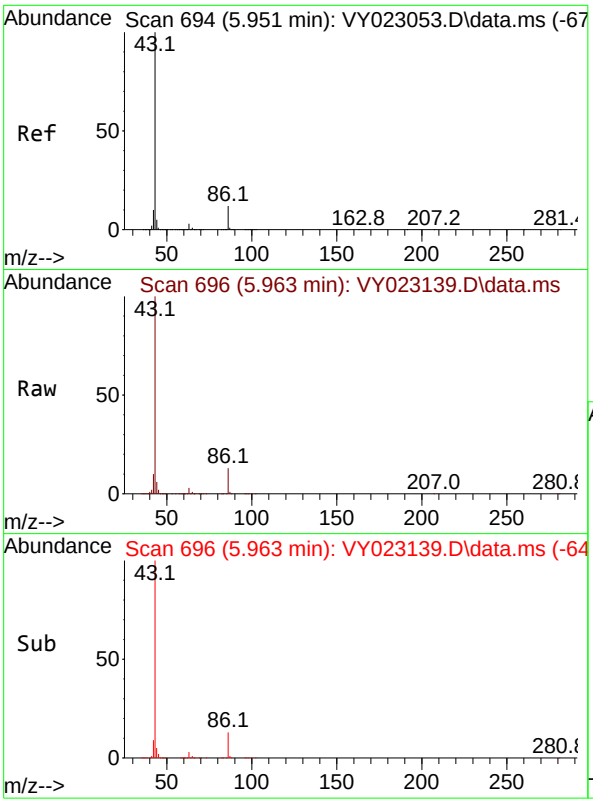


#22
Diisopropyl ether
Concen: 19.728 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 45 Resp: 314582

Ion	Ratio	Lower	Upper
45	100		
43	59.6	43.4	65.0
87	31.1	24.4	36.6
59	13.1	10.2	15.4



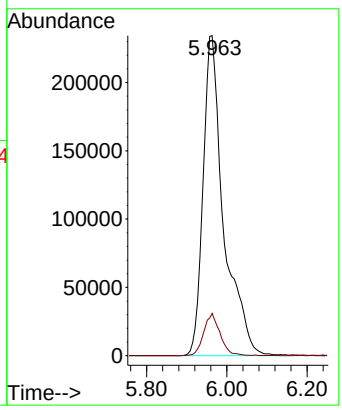


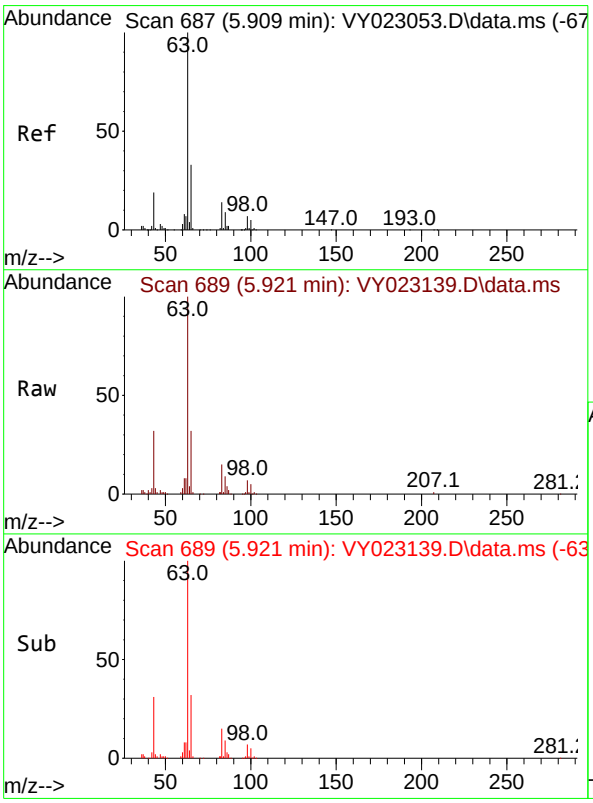
#23
Vinyl Acetate
Concen: 94.938 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 837107

Ion	Ratio	Lower	Upper
43	100		
86	13.2	9.6	14.4

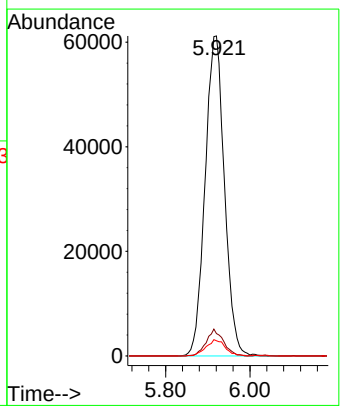


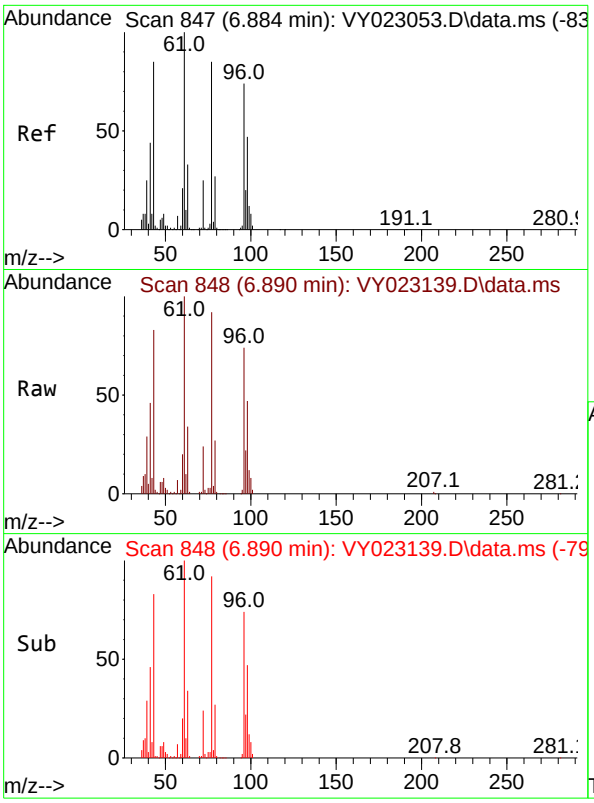


#24
1,1-Dichloroethane
Concen: 19.979 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 63 Resp: 194782

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.7	2.4	7.1



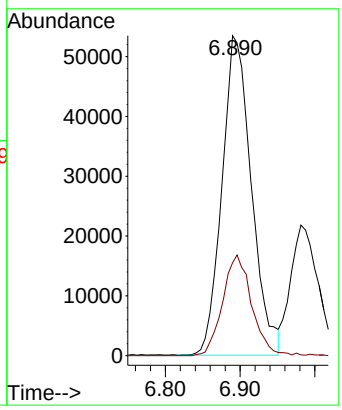


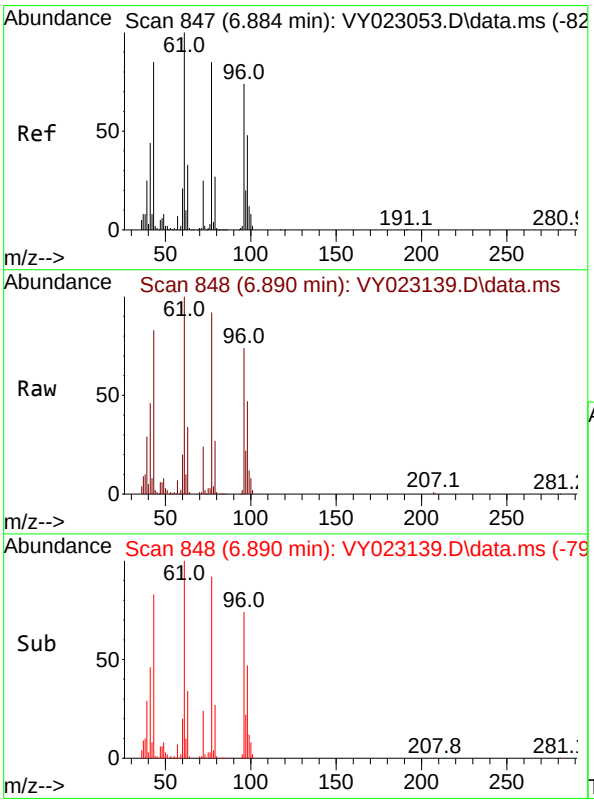
#25
2-Butanone
Concen: 100.847 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 146563

Ion	Ratio	Lower	Upper
43	100		
72	29.1	23.5	35.3

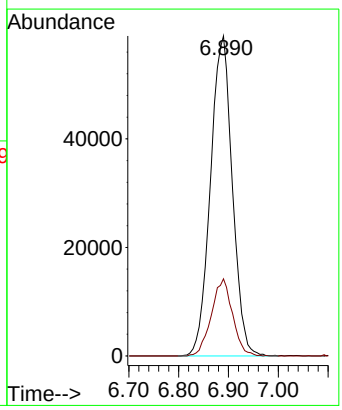


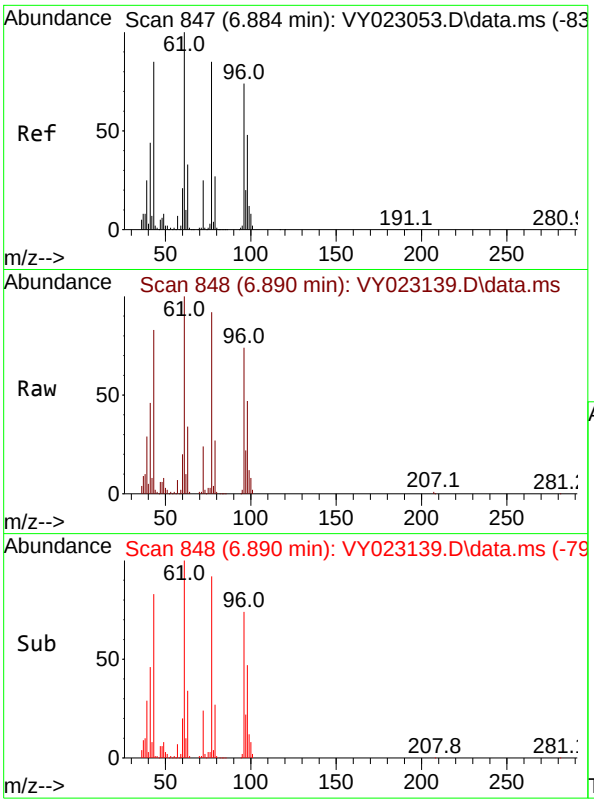


#26
2,2-Dichloropropane
Concen: 21.352 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 77 Resp: 179625

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8



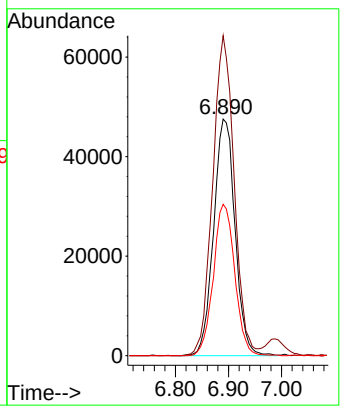


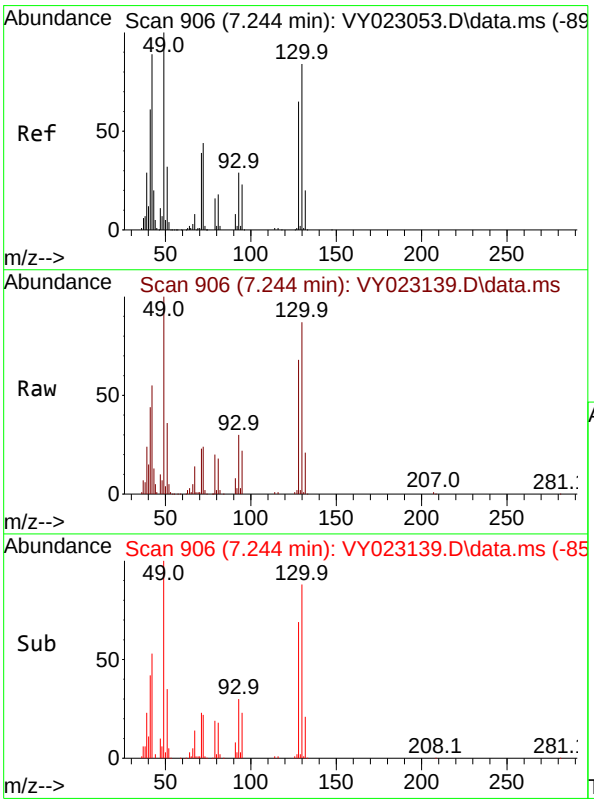
#27
cis-1,2-Dichloroethene
Concen: 20.582 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 96 Resp: 133354

Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	278.6
98	64.1	0.0	130.4

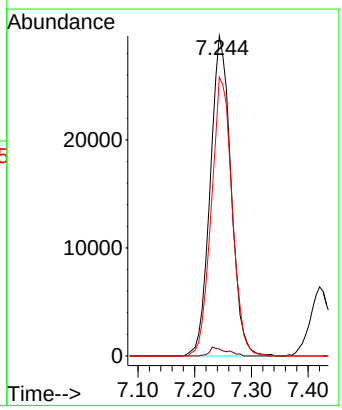


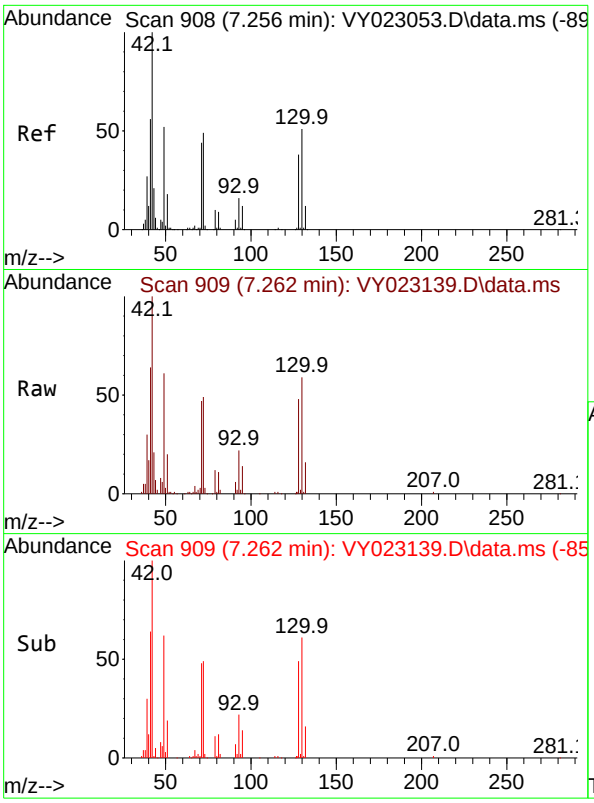


#28
Bromochloromethane
Concen: 19.474 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 49 Resp: 75324

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.0	66.4	99.6



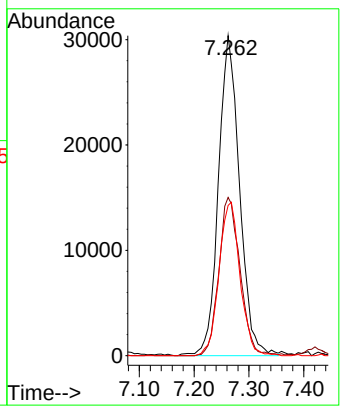


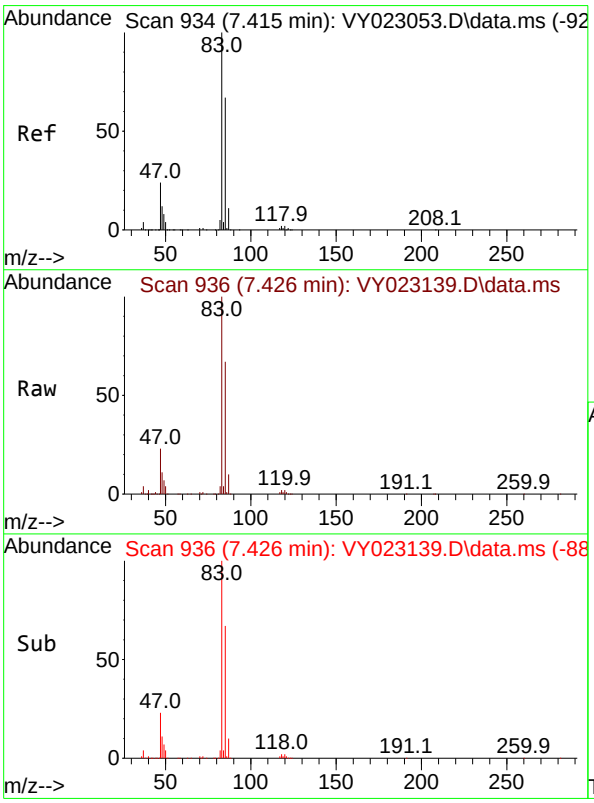
#29
Tetrahydrofuran
Concen: 90.389 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 42 Resp: 81427

Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.4	59.2
71	47.8	36.5	54.7

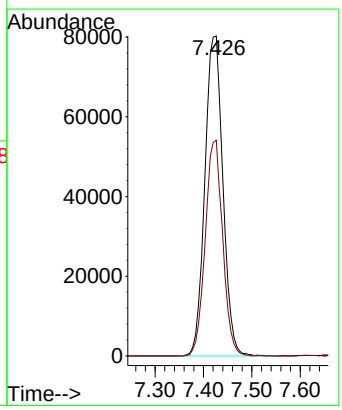


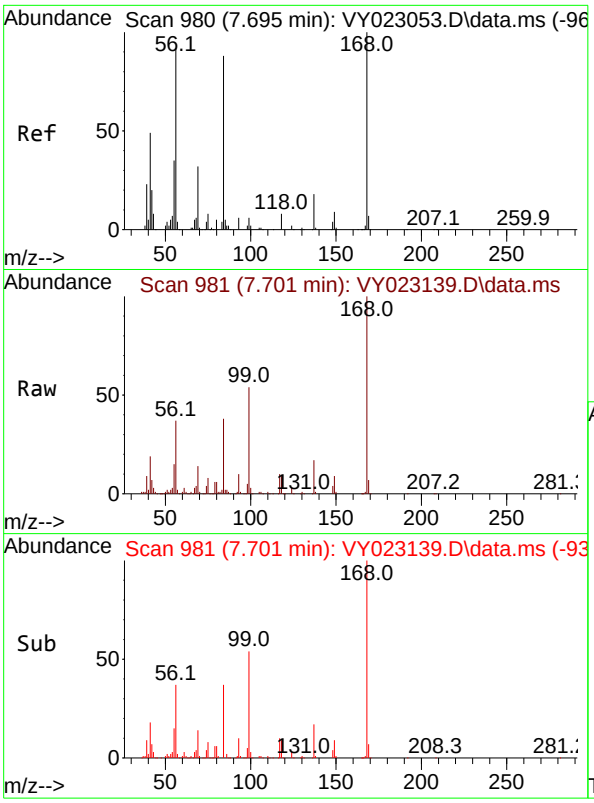


#30
Chloroform
Concen: 20.690 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 83 Resp: 208029

Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.8	80.8



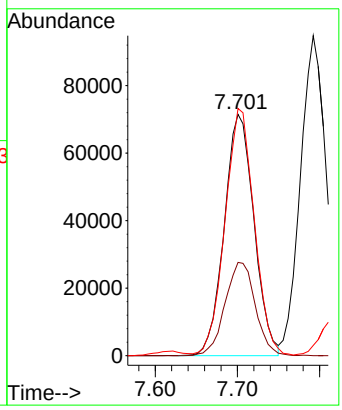


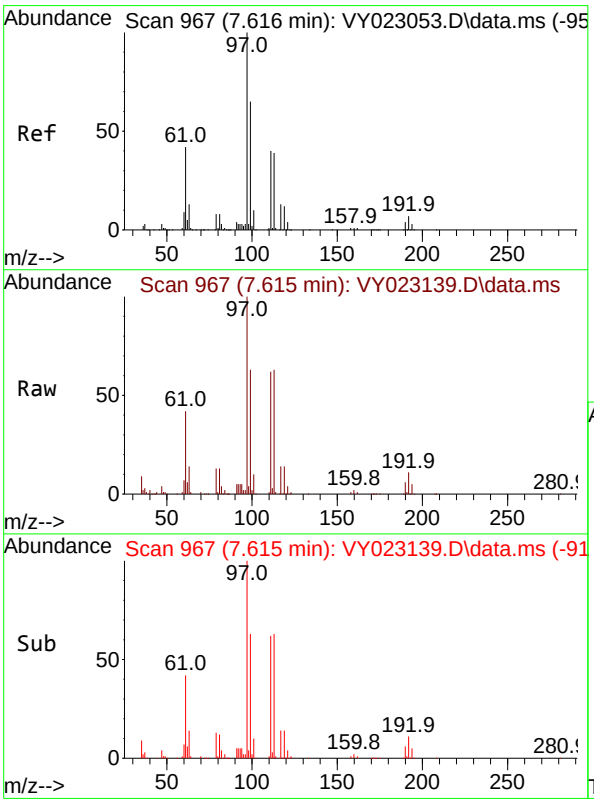
#31
Cyclohexane
Concen: 19.640 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 56 Resp: 180441

Ion	Ratio	Lower	Upper
56	100		
69	38.6	28.2	42.2
84	101.0	76.6	114.8

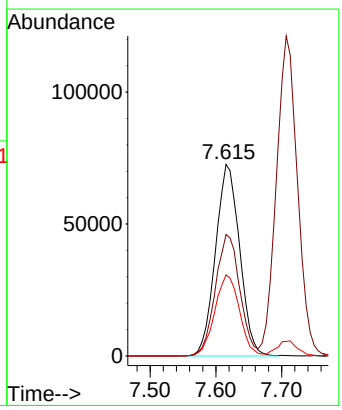


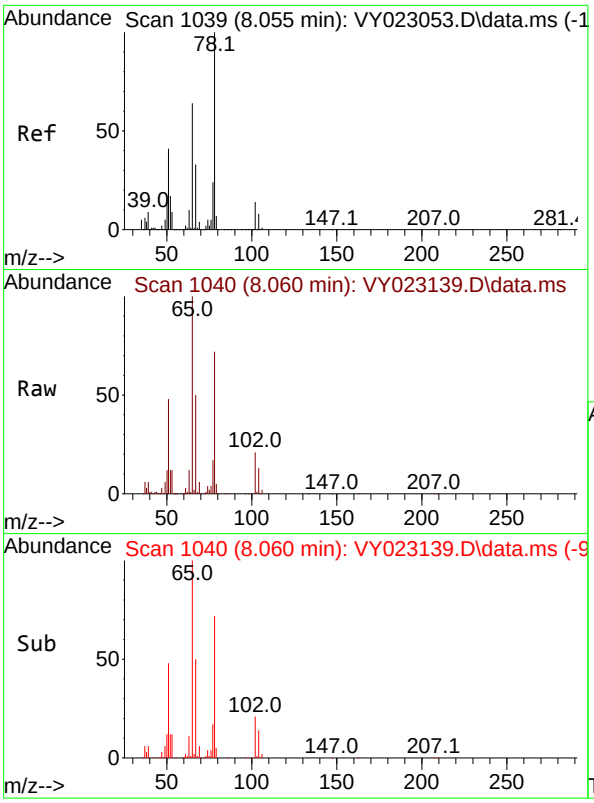


#32
1,1,1-Trichloroethane
Concen: 20.833 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 97 Resp: 185862

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.2	34.2	51.2



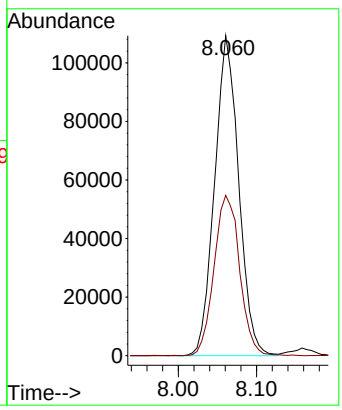


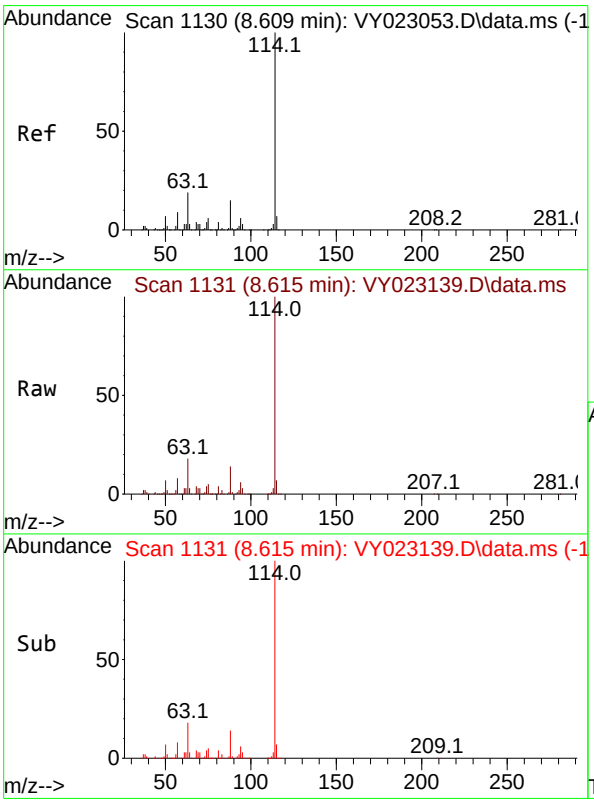
#33
1,2-Dichloroethane-d4
Concen: 47.365 ug/l
RT: 8.060 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 65 Resp: 233623

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8

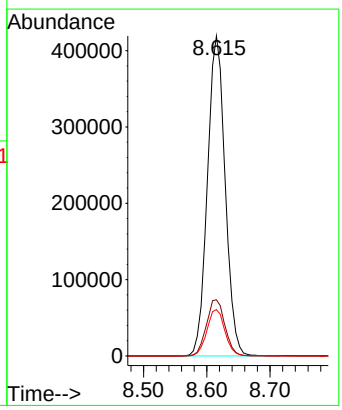


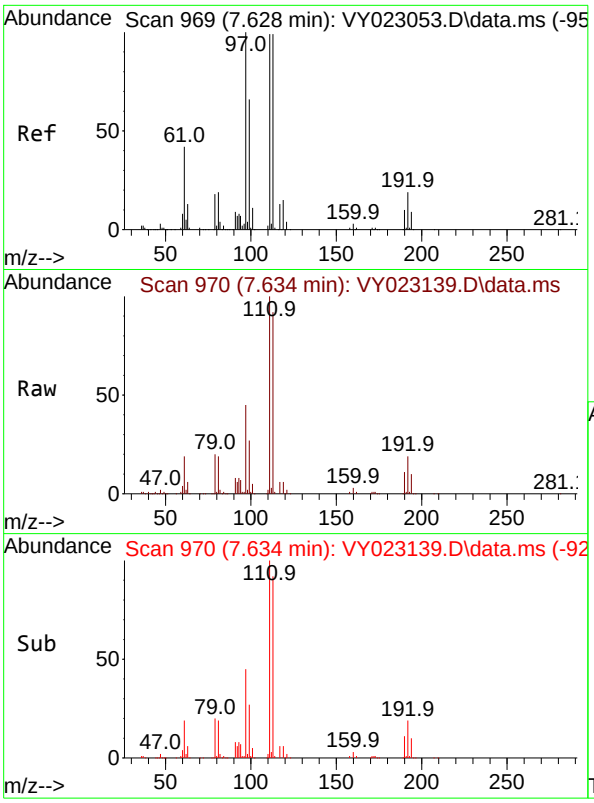


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:114 Resp: 816918

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	38.4
88	14.5	0.0	30.0



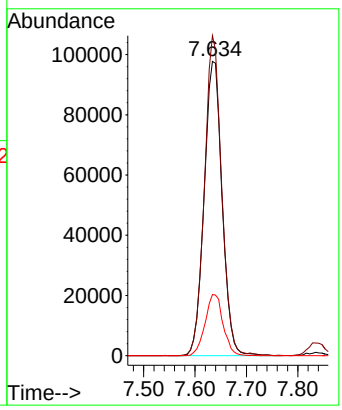


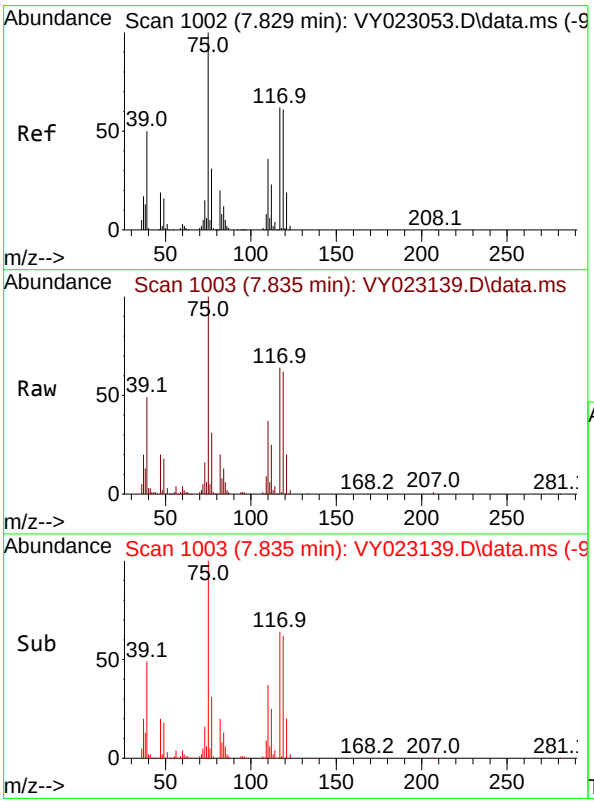
#35
Dibromofluoromethane
Concen: 48.567 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:113 Resp: 237406

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.1	121.7
192	20.8	16.2	24.4

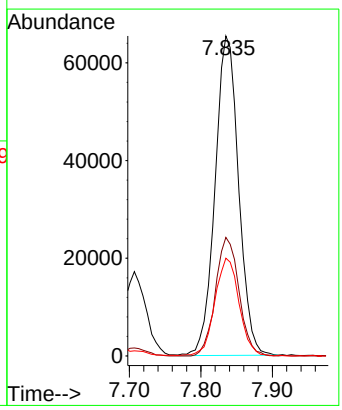


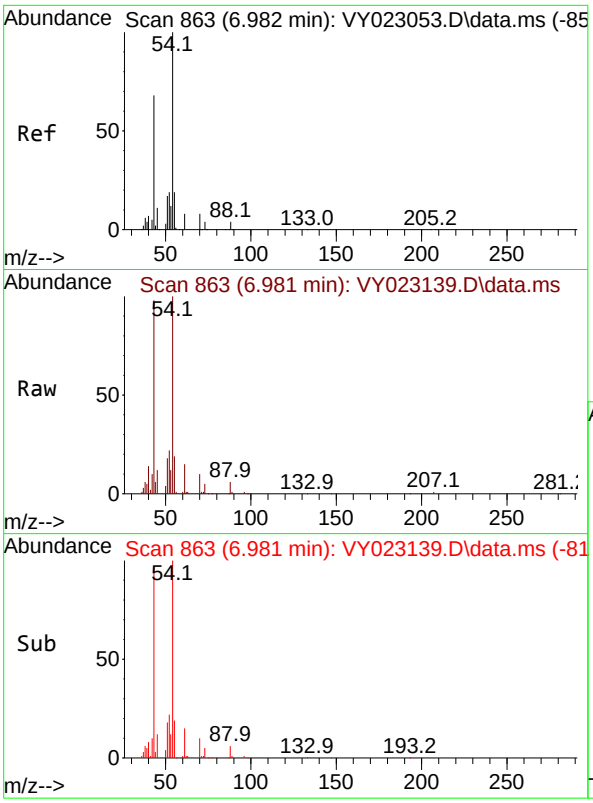


#36
1,1-Dichloropropene
Concen: 20.606 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 149696

Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.4
77	31.6	24.6	37.0



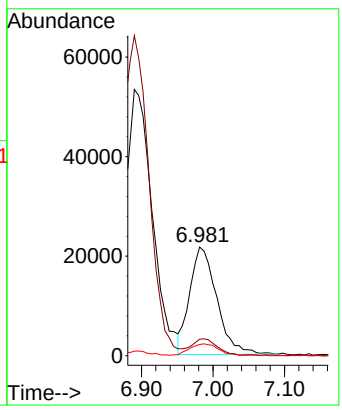


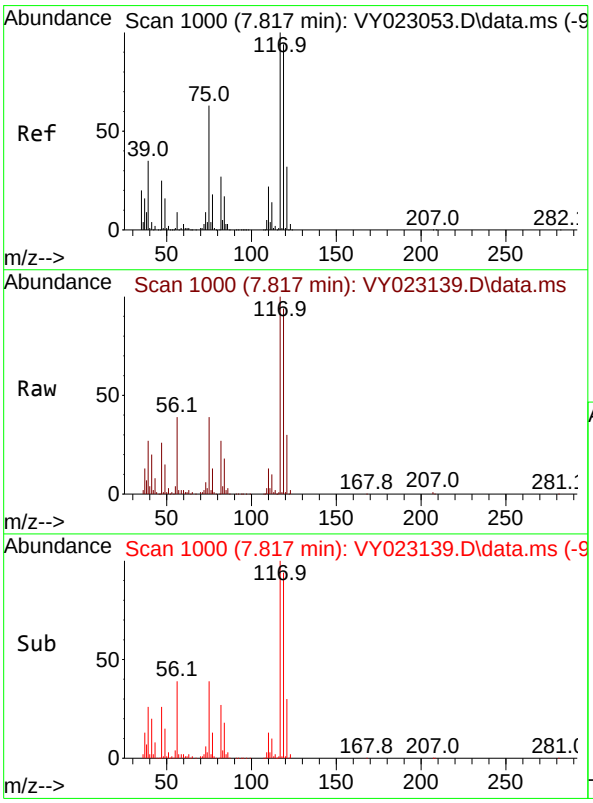
#37
Ethyl Acetate
Concen: 18.660 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 56943

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	12.3	8.8	13.2

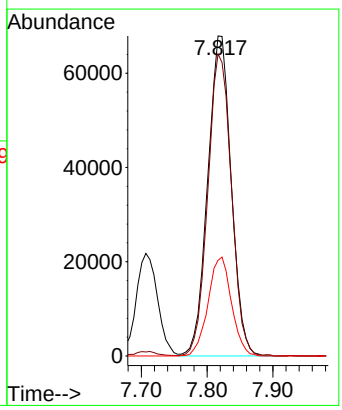


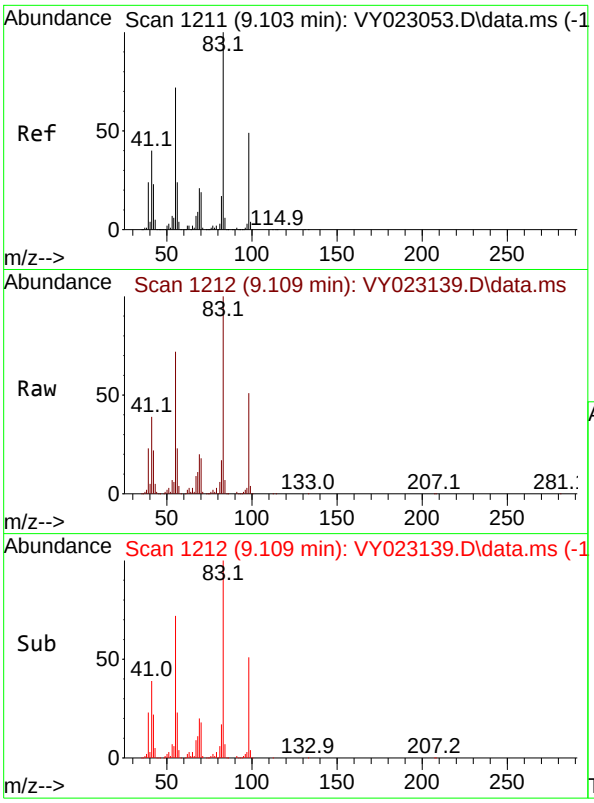


#38
Carbon Tetrachloride
Concen: 21.430 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:117 Resp: 169089

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.6	113.4
121	29.9	25.8	38.8



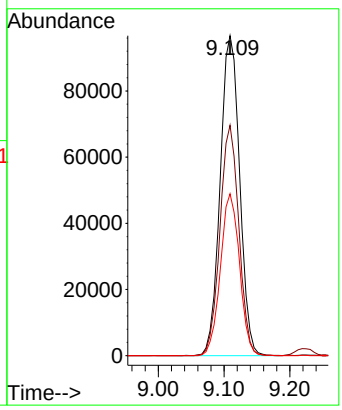


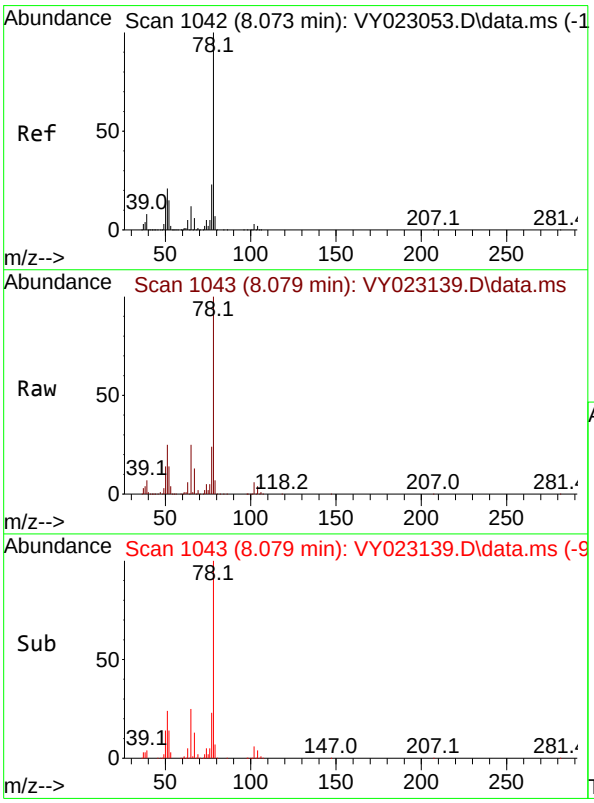
#39
Methylcyclohexane
Concen: 20.803 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 83 Resp: 199011

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.6	86.4
98	50.6	39.2	58.8

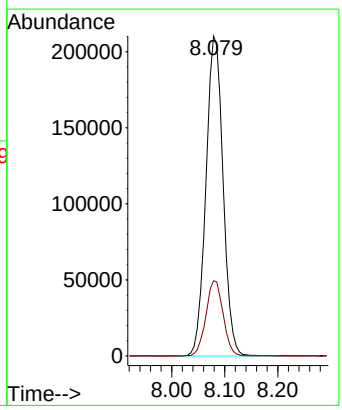


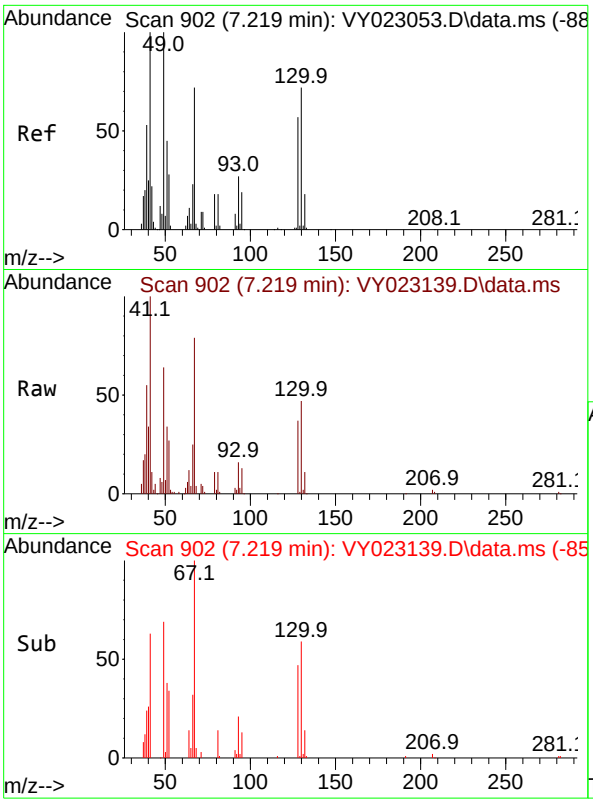


#40
Benzene
Concen: 21.055 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 78 Resp: 471421

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0



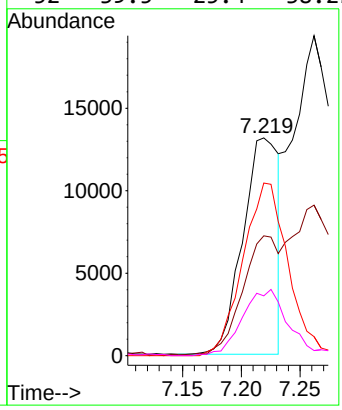


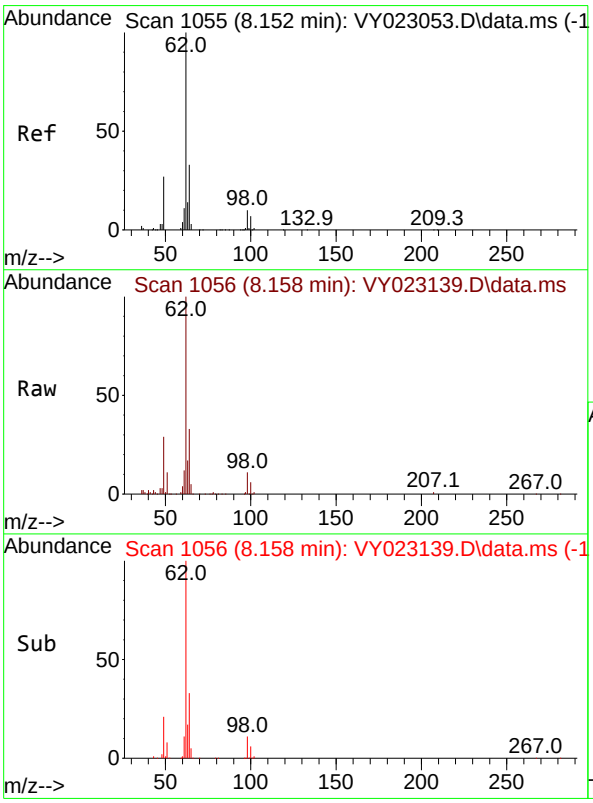
#41
Methacrylonitrile
Concen: 15.786 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 41 Resp: 27802

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.4	65.2
67	101.3	63.6	95.4#
52	39.5	25.4	38.2#

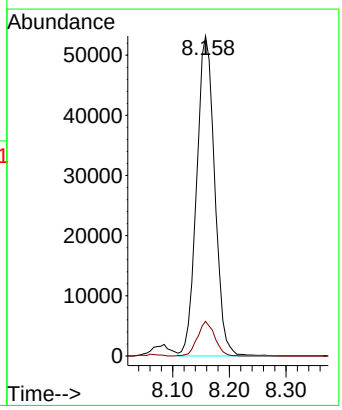


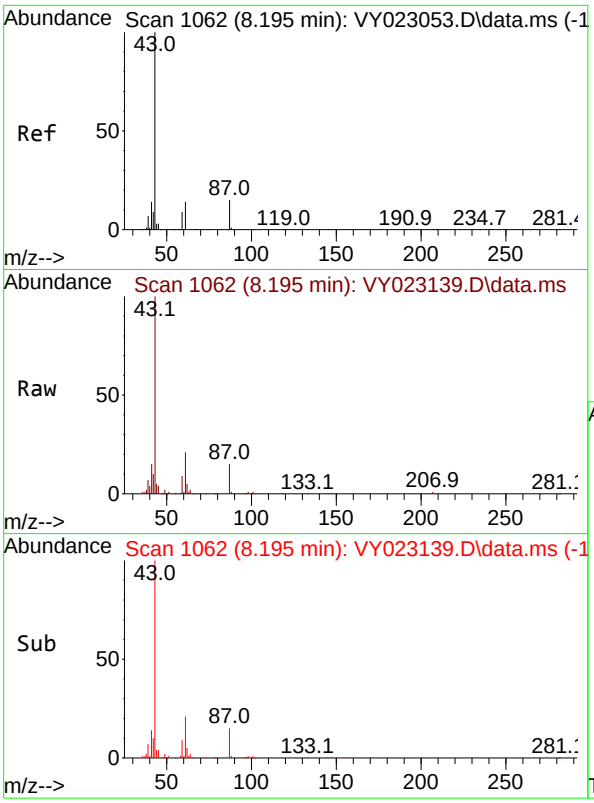


#42
1,2-Dichloroethane
Concen: 20.187 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 62 Resp: 117552

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



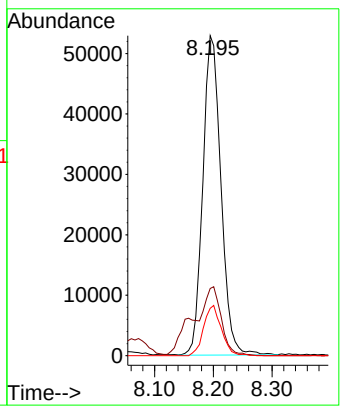


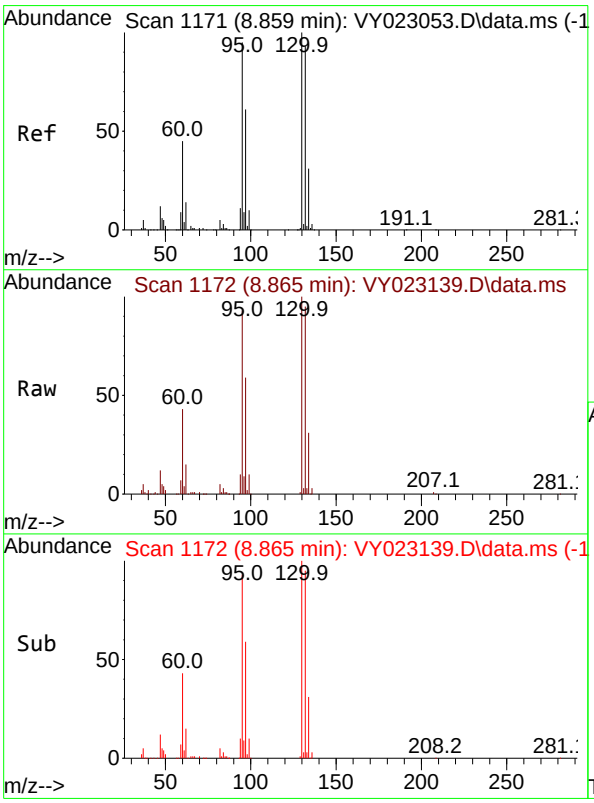
#43
Isopropyl Acetate
Concen: 18.431 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 113681

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	15.4	11.8	17.6

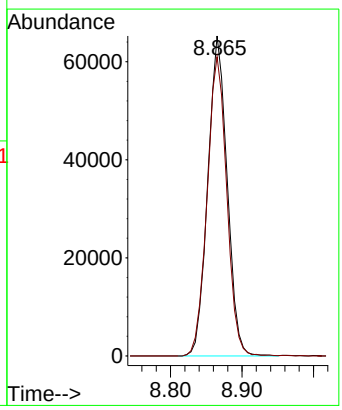


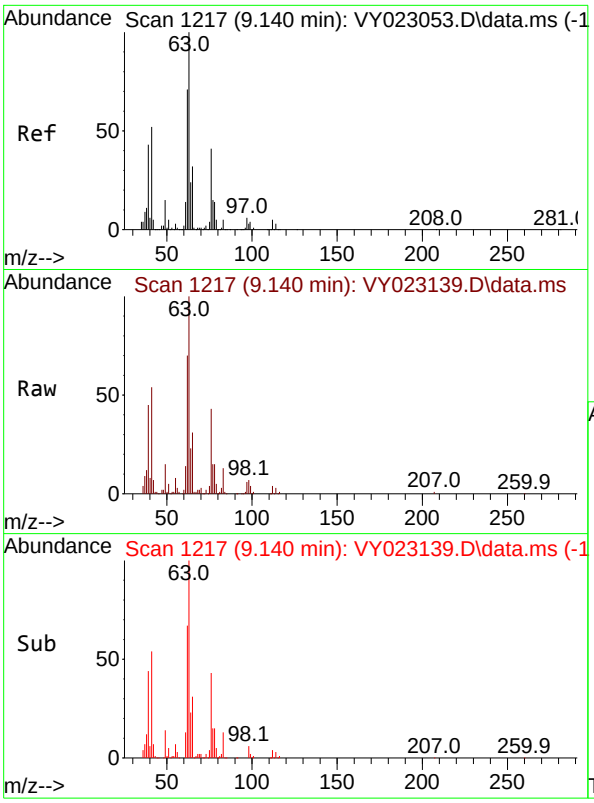


#44
Trichloroethene
Concen: 21.187 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:130 Resp: 122590

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	190.2



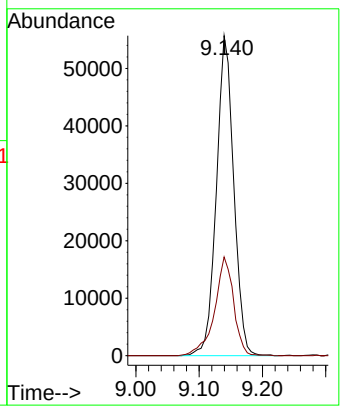


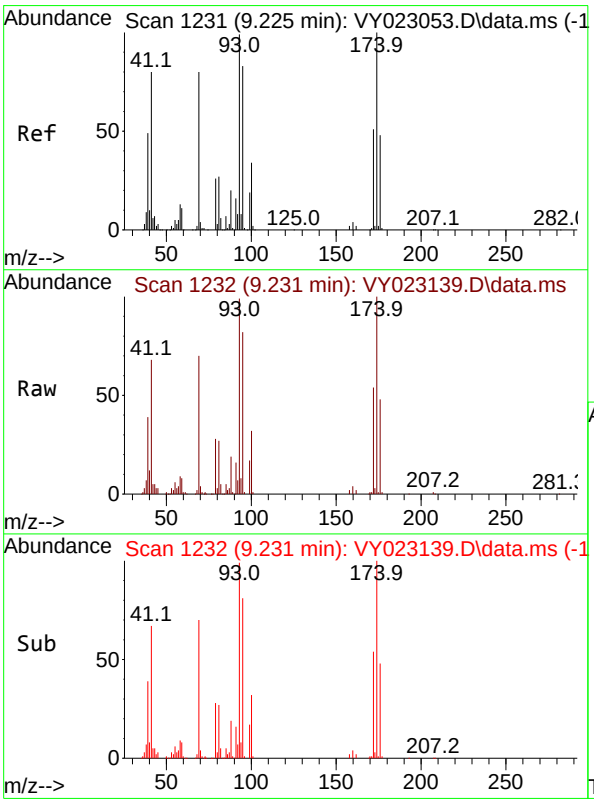
#45
1,2-Dichloropropane
Concen: 20.506 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 63 Resp: 105641

Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.3	37.9

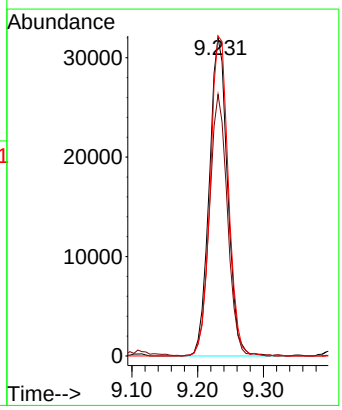


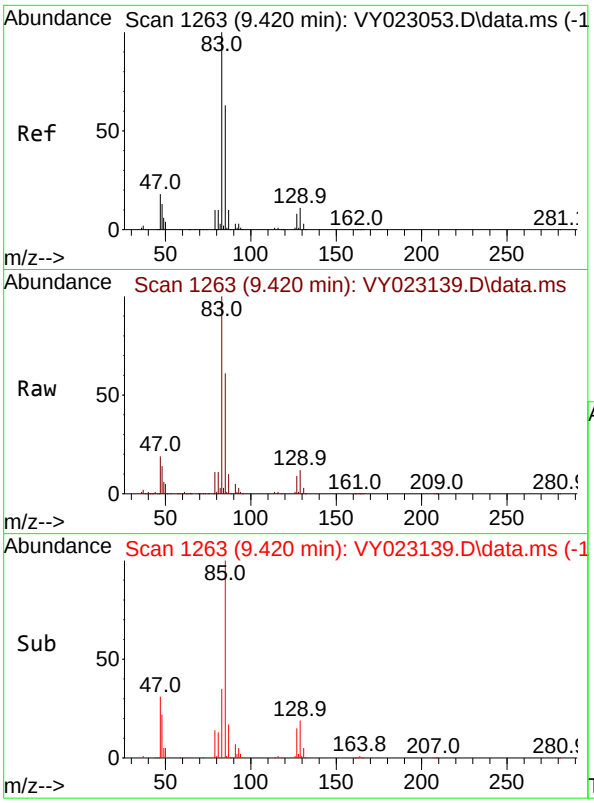


#46
Dibromomethane
Concen: 20.972 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 93 Resp: 62014

Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.5	99.7
174	99.4	81.8	122.8



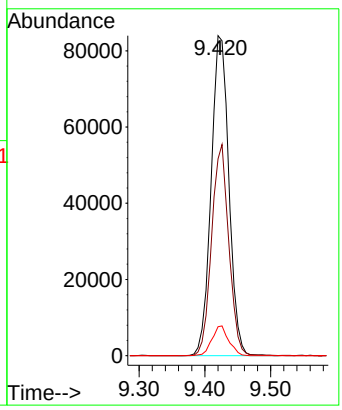


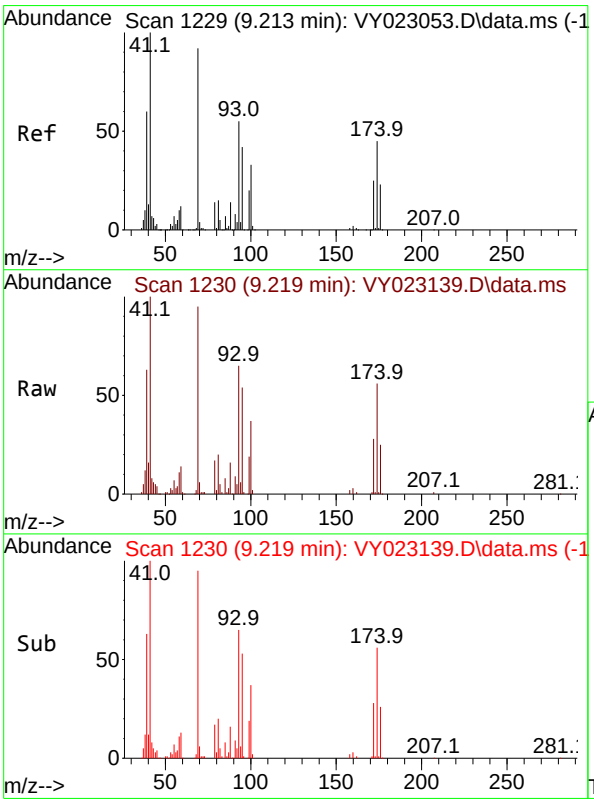
#47
Bromodichloromethane
Concen: 20.725 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 83 Resp: 157692

Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.2	75.4
127	9.1	6.6	10.0

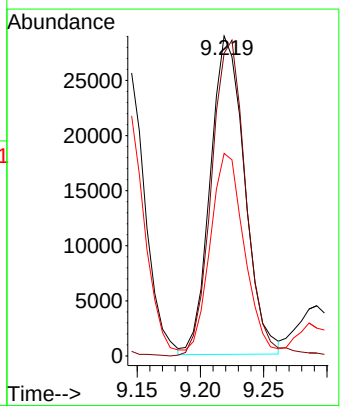


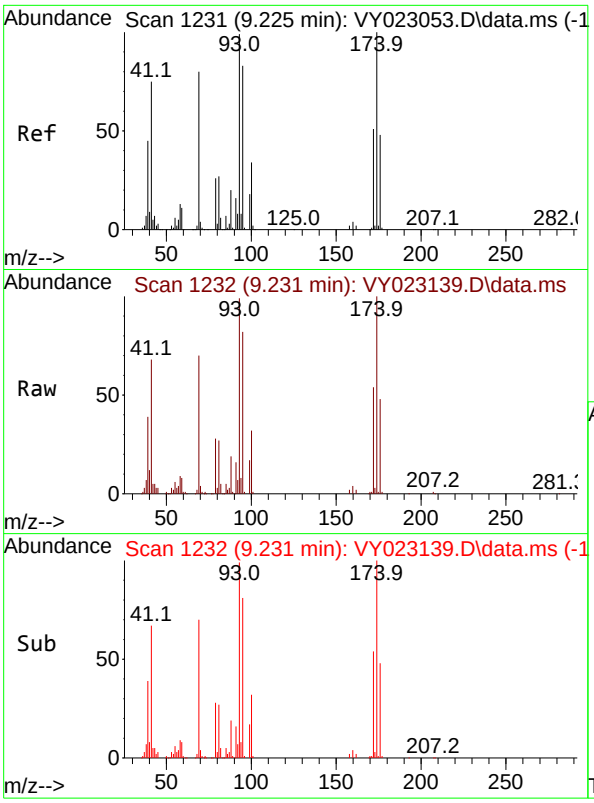


#48
Methyl methacrylate
Concen: 18.499 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 54599

Ion	Ratio	Lower	Upper
41	100		
69	99.3	73.2	109.8
39	62.8	47.0	70.4



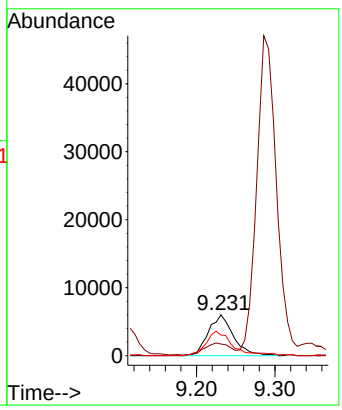


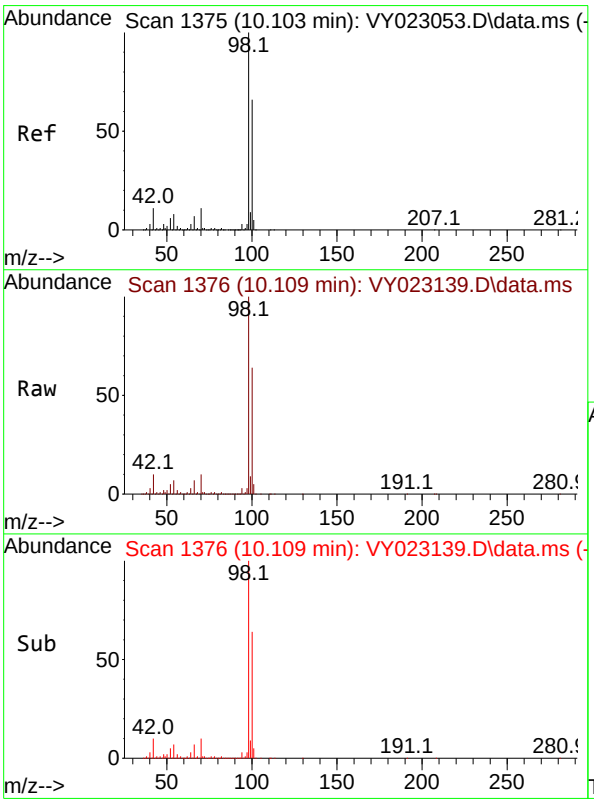
#49
1,4-Dioxane
Concen: 383.459 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 88 Resp: 13295

Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.3	36.5
58	65.0	55.4	83.0

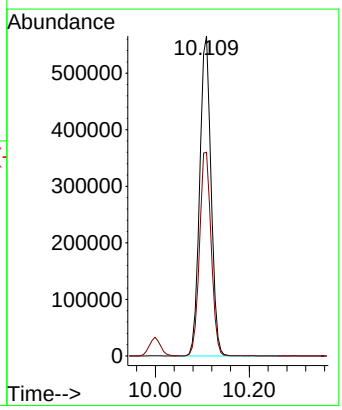


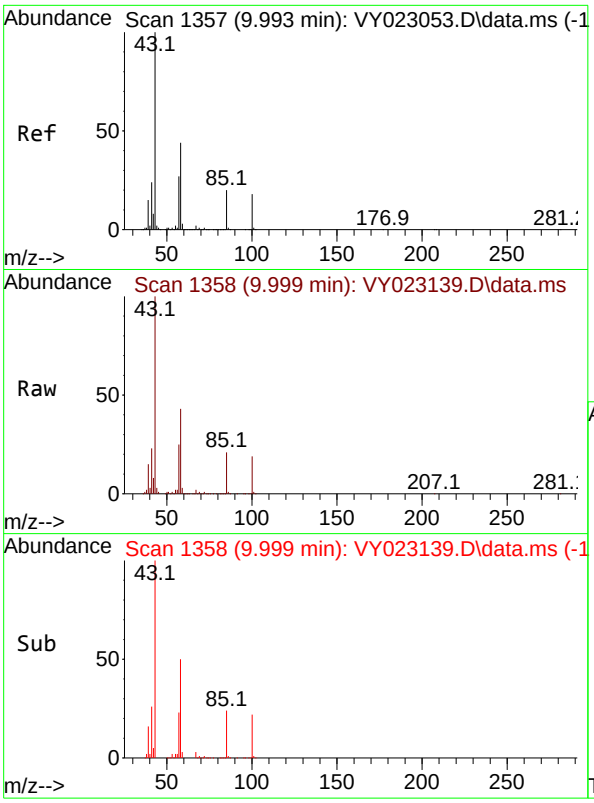


#50
Toluene-d8
Concen: 49.608 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 98 Resp: 947313

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5



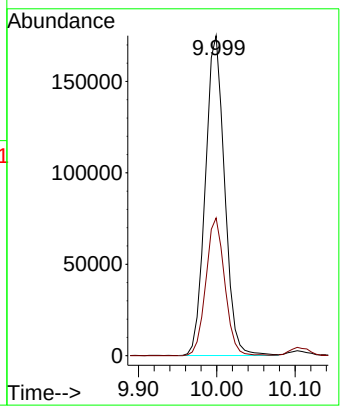


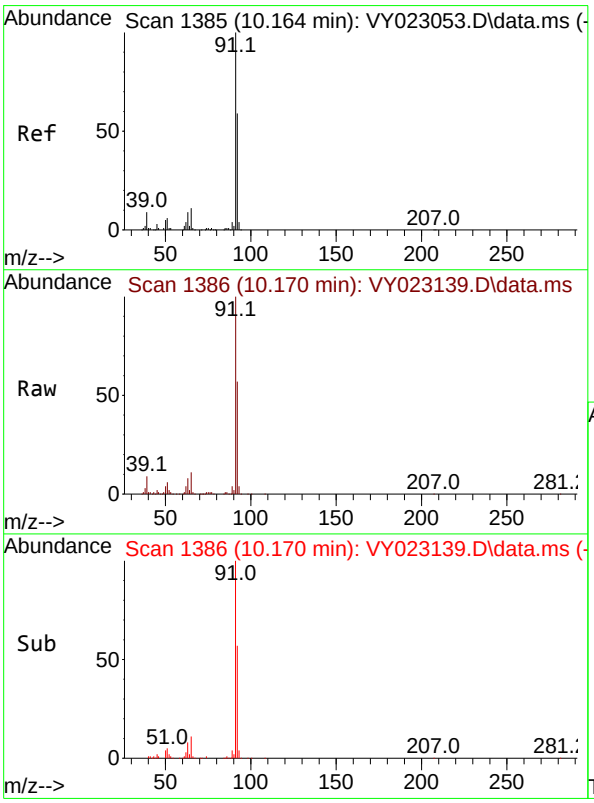
#51
4-Methyl-2-Pentanone
Concen: 93.721 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 298177

Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.5	50.3

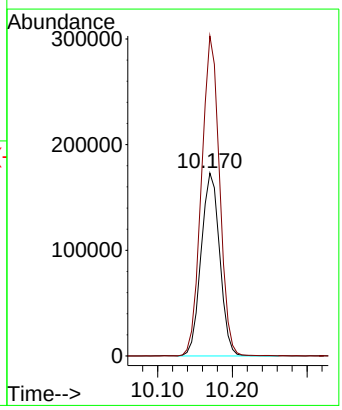


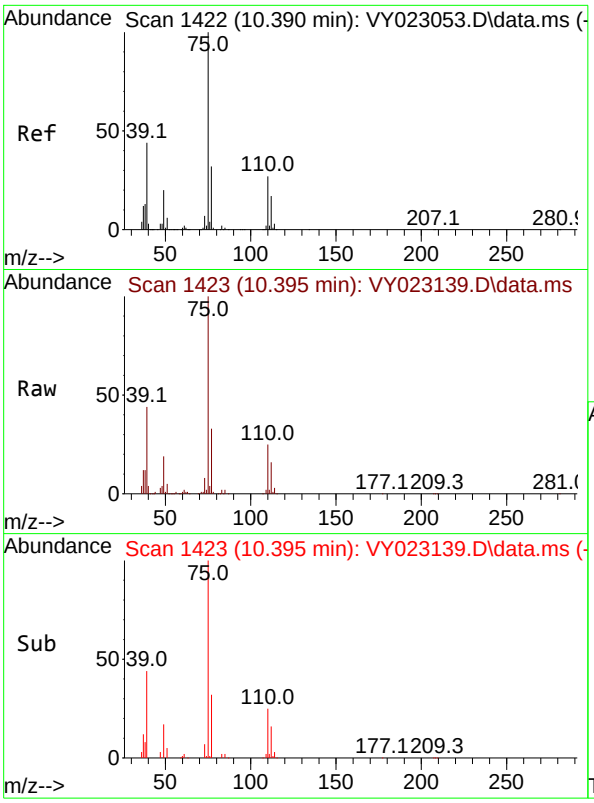


#52
Toluene
Concen: 21.028 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 92 Resp: 299030

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.4	204.6



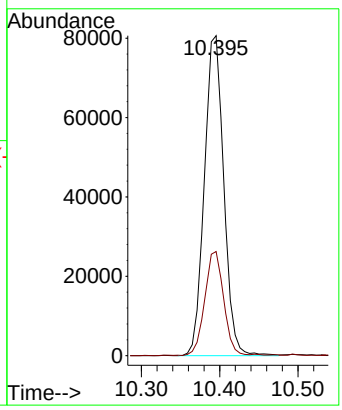


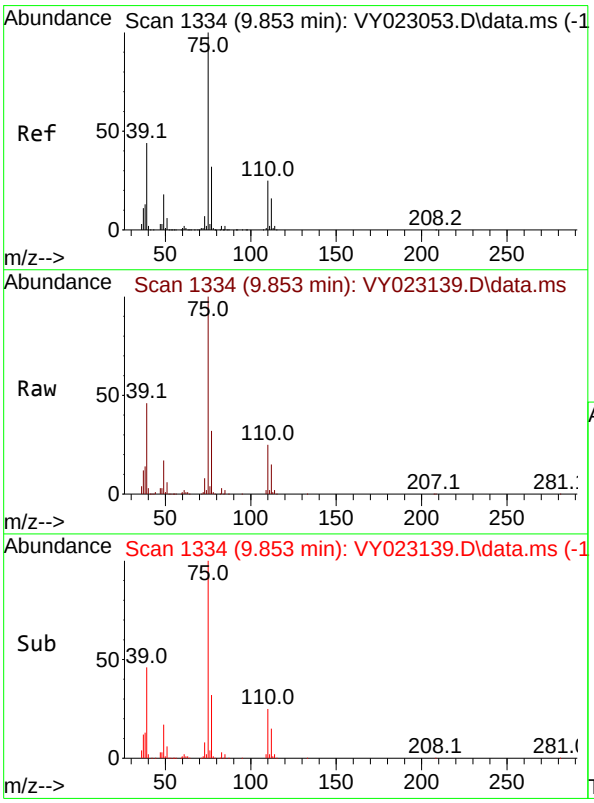
#53
t-1,3-Dichloropropene
Concen: 20.144 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 75 Resp: 138793

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5

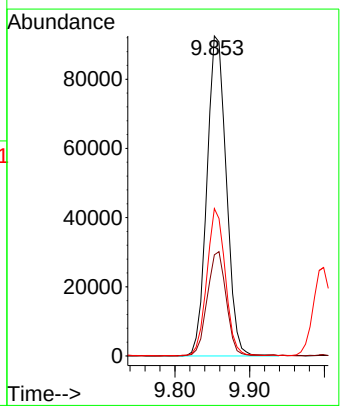


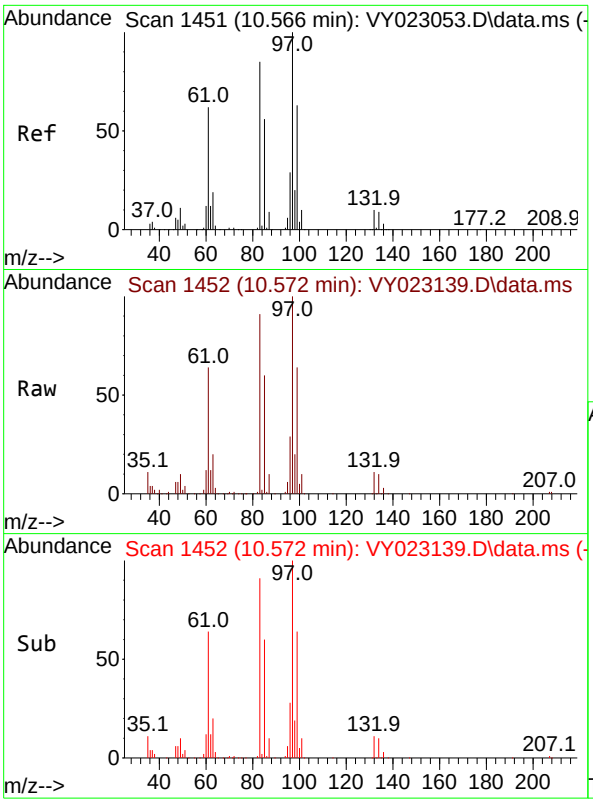


#54
cis-1,3-Dichloropropene
Concen: 20.453 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 166637

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	46.0	35.6	53.4



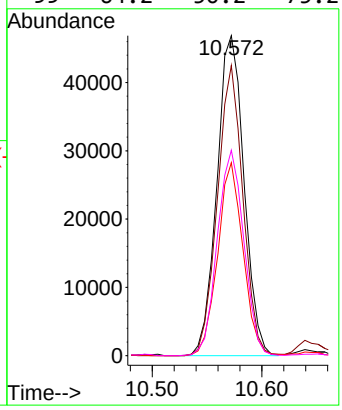


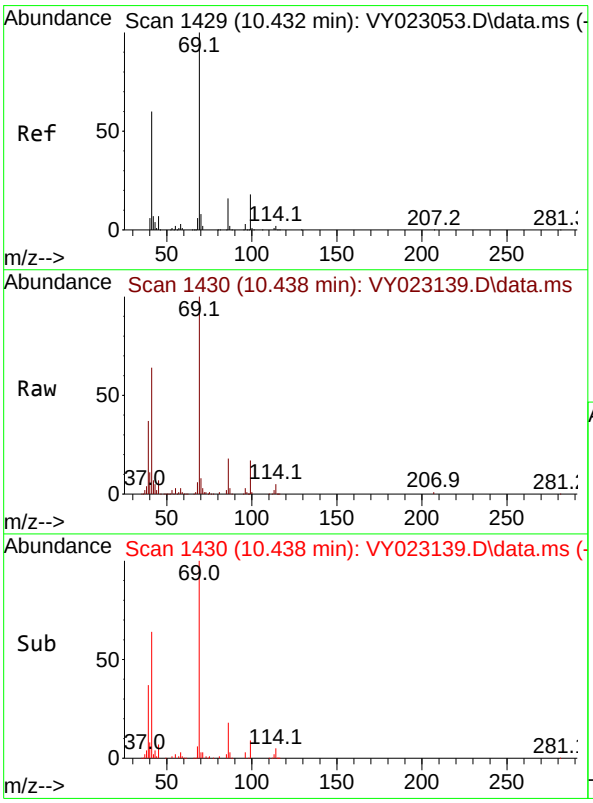
#55
1,1,2-Trichloroethane
Concen: 20.350 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 97 Resp: 80520

Ion	Ratio	Lower	Upper
97	100		
83	90.7	67.7	101.5
85	60.3	44.5	66.7
99	64.2	50.2	75.2

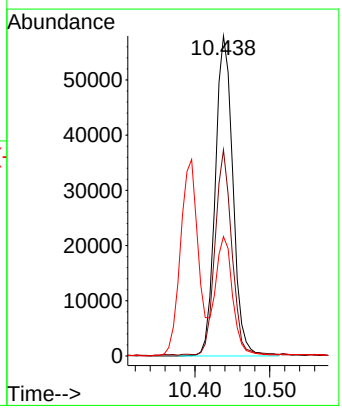


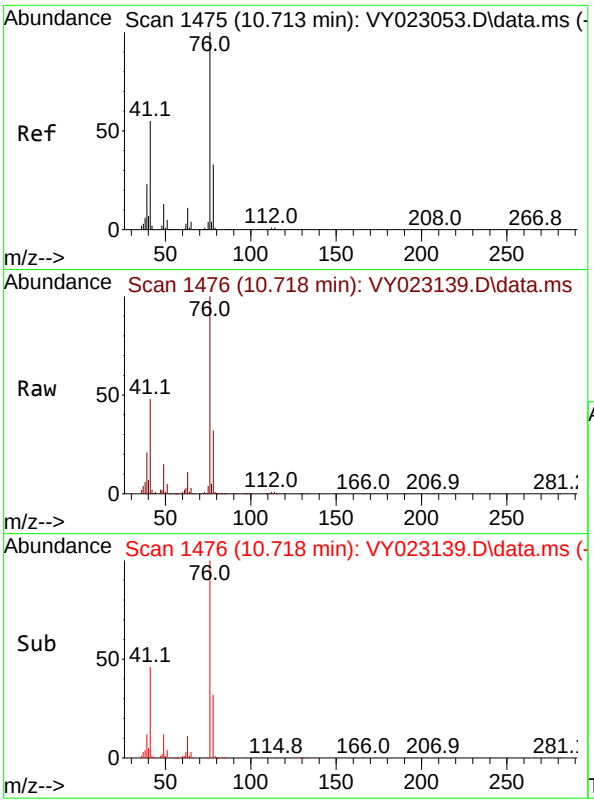


#56
Ethyl methacrylate
Concen: 18.741 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 69 Resp: 94888

Ion	Ratio	Lower	Upper
69	100		
41	61.1	48.6	72.8
39	34.5	27.0	40.4



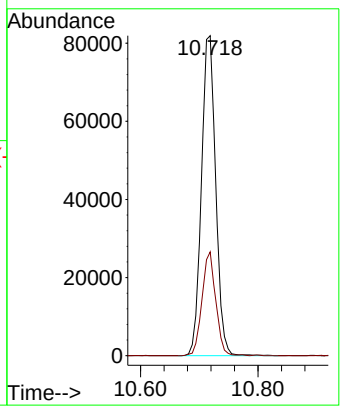


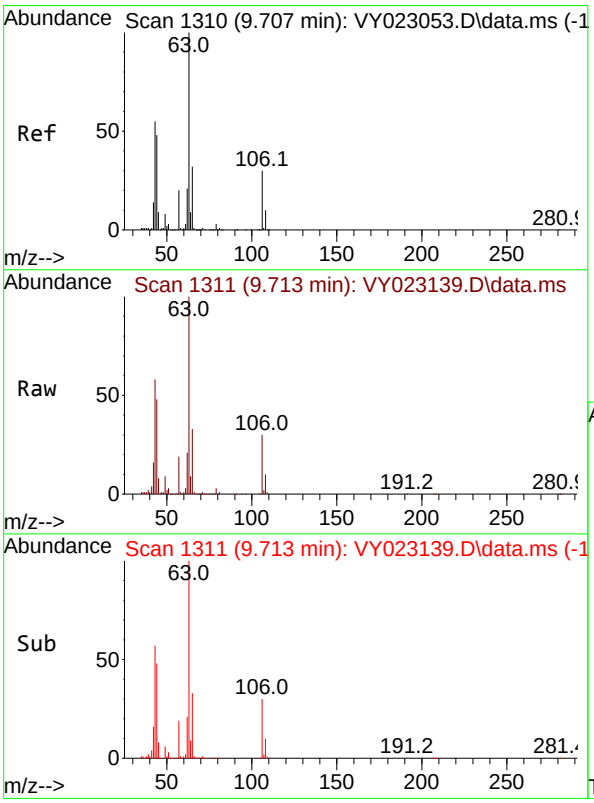
#57
1,3-Dichloropropane
Concen: 20.594 ug/l
RT: 10.718 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 76 Resp: 138195

Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.0	39.0

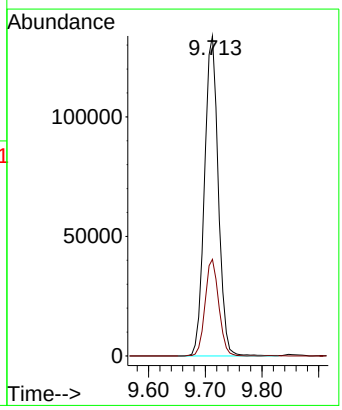


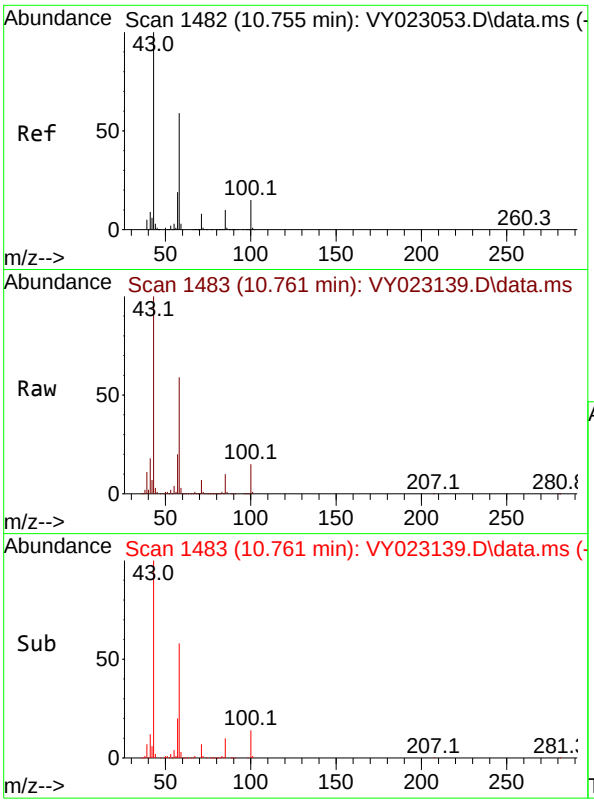


#58
2-Chloroethyl Vinyl ether
Concen: 94.672 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 63 Resp: 226098

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.2	34.8



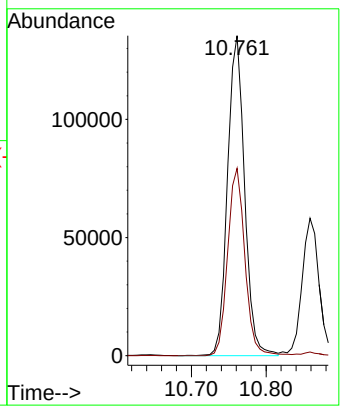


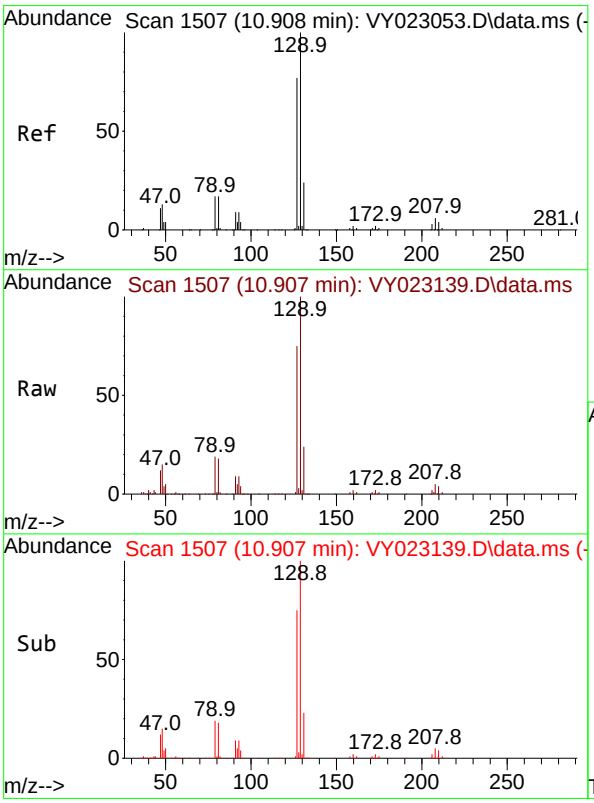
#59
2-Hexanone
Concen: 99.034 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 214547

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5

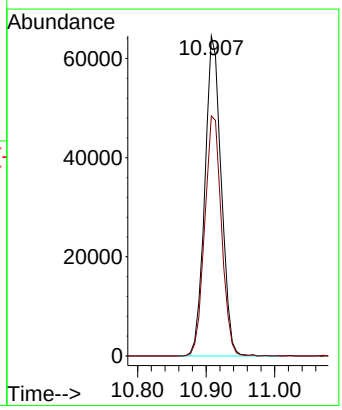


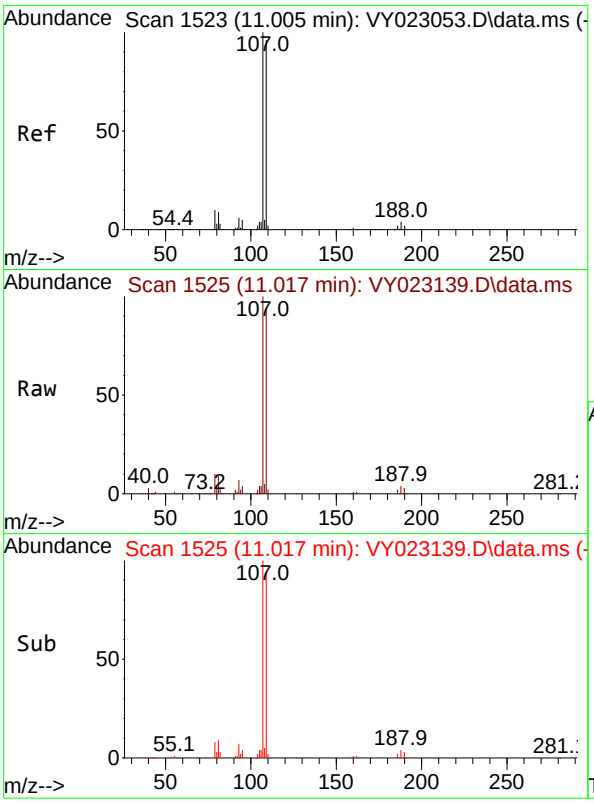


#60
Dibromochloromethane
Concen: 20.554 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:129 Resp: 107311

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



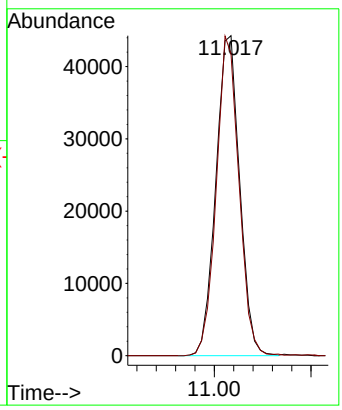


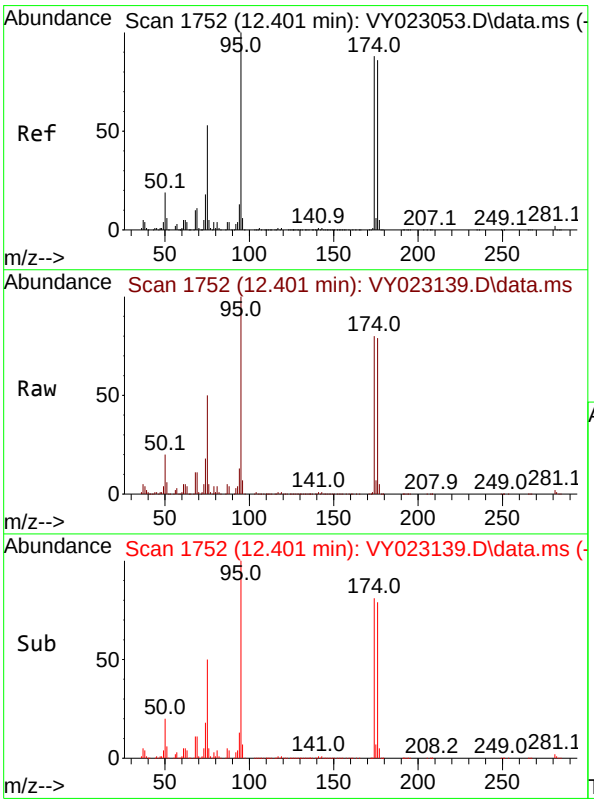
#61
1,2-Dibromoethane
Concen: 20.280 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:107 Resp: 75418

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

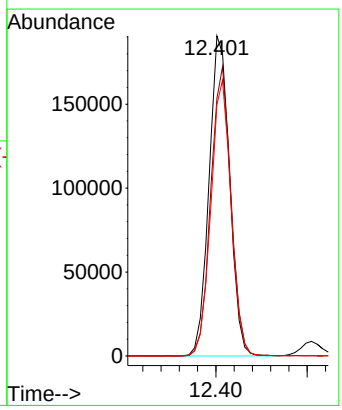


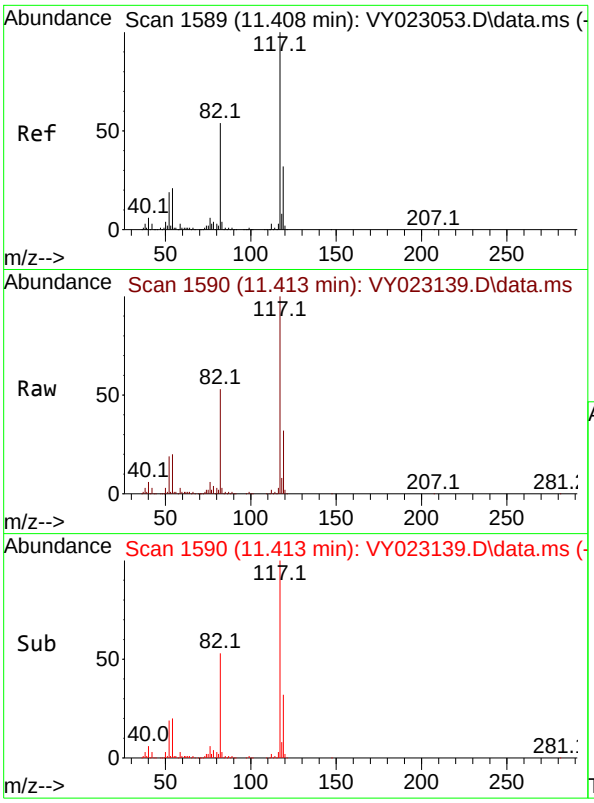


#62
4-Bromofluorobenzene
Concen: 48.544 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 95 Resp: 298119

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	171.6
176	85.0	0.0	167.6



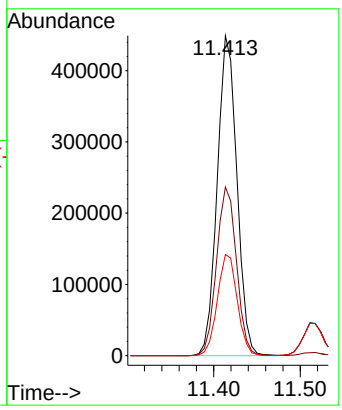


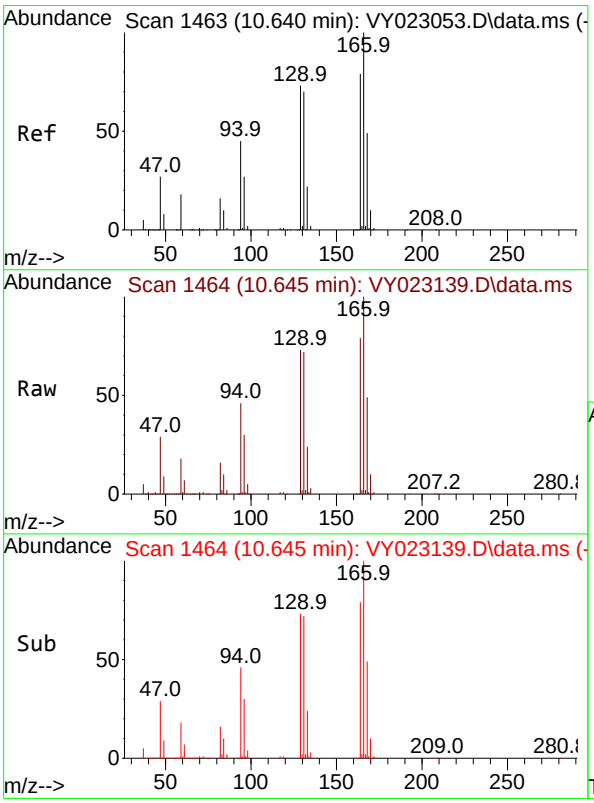
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:117 Resp: 707204

Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	31.6	25.6	38.4

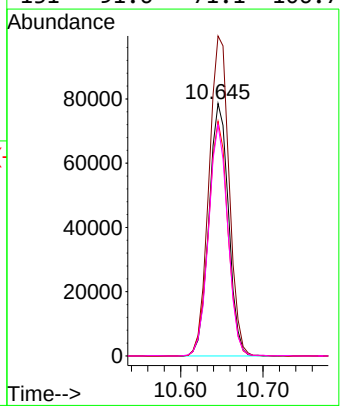


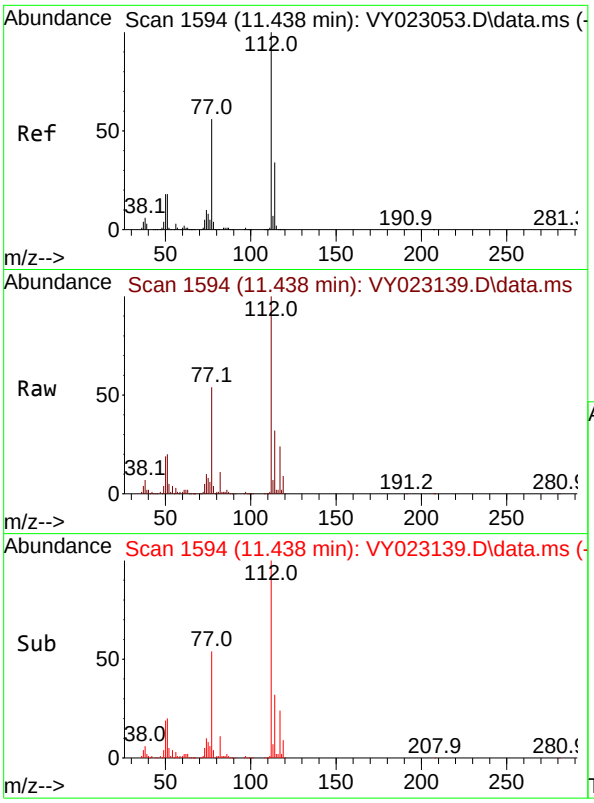


#64
Tetrachloroethene
Concen: 20.532 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:164 Resp: 129655

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.1	151.7
129	92.9	74.0	111.0
131	91.6	71.1	106.7



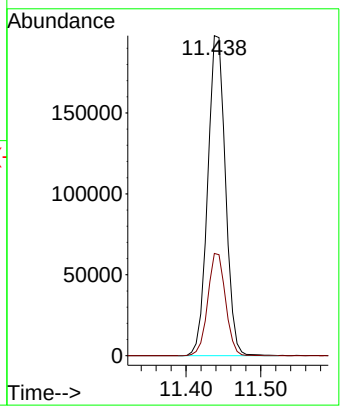


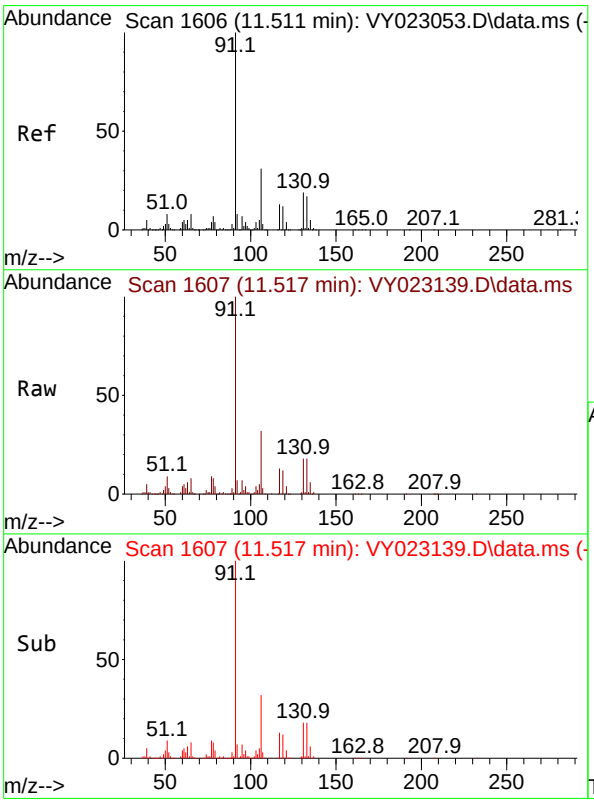
#65
Chlorobenzene
Concen: 21.346 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:112 Resp: 325629

Ion	Ratio	Lower	Upper
112	100		
114	31.9	27.0	40.4

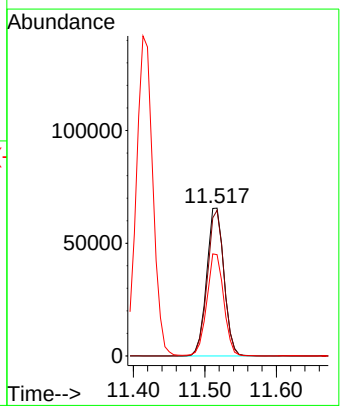


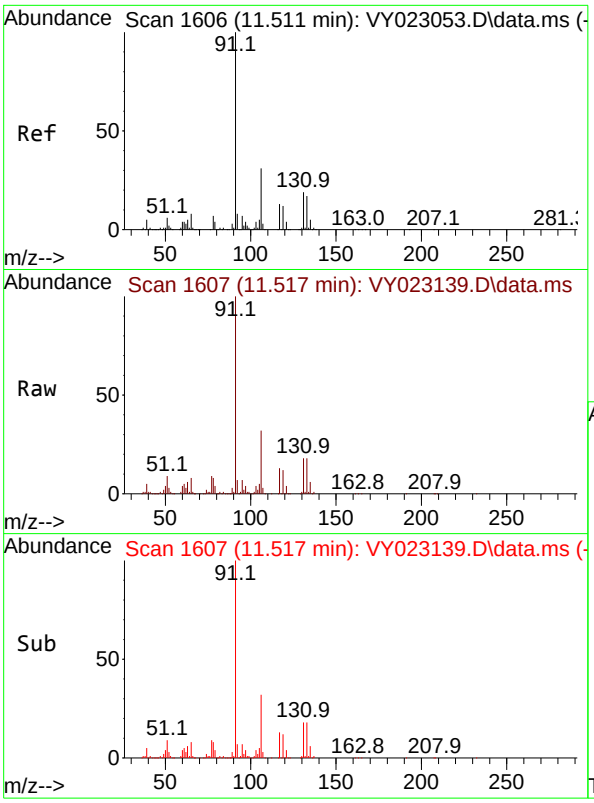


#66
1,1,1,2-Tetrachloroethane
Concen: 21.199 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:131 Resp: 109752

Ion	Ratio	Lower	Upper
131	100		
133	95.3	46.9	140.6
119	67.9	33.2	99.6



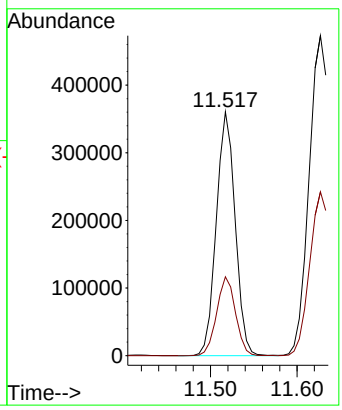


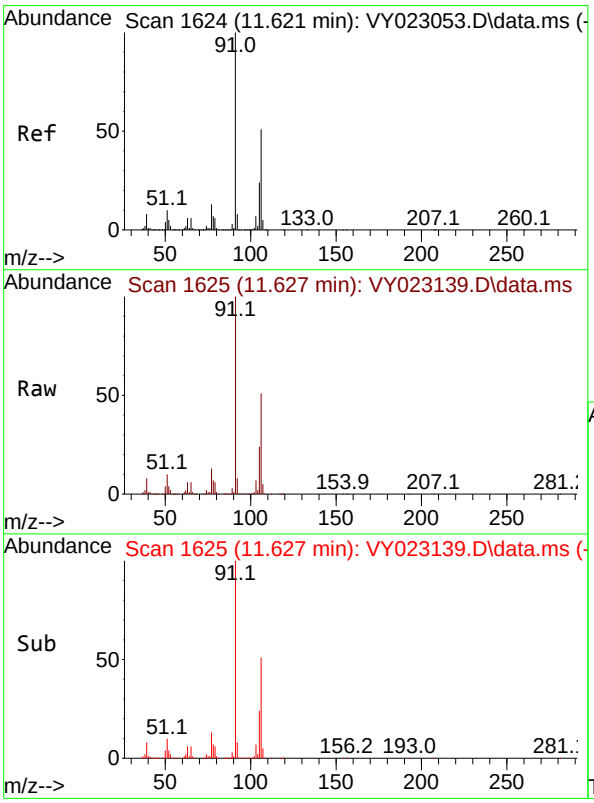
#67
Ethyl Benzene
Concen: 20.767 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 91 Resp: 545176

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.0	37.4

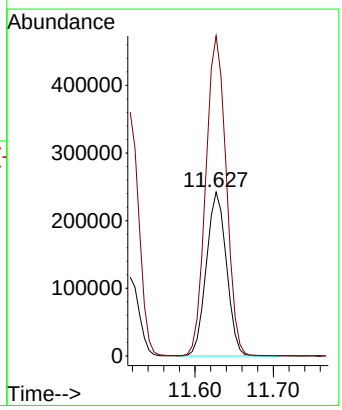


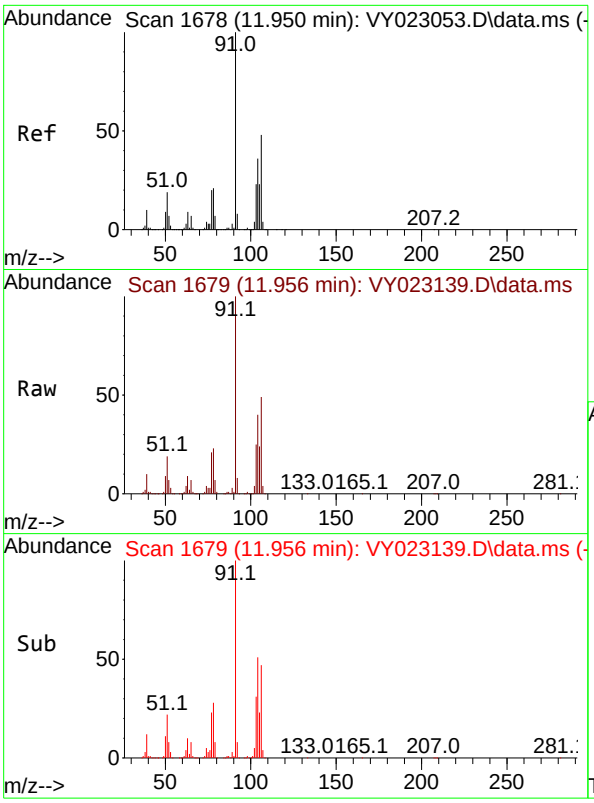


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:106 Resp: 430120

Ion	Ratio	Lower	Upper
106	100		
91	198.8	158.6	238.0



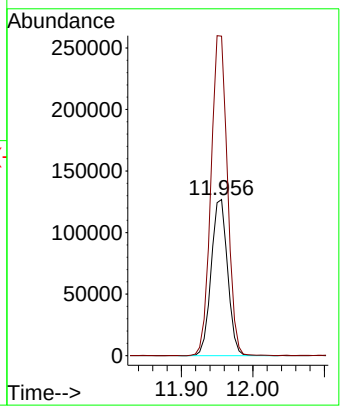


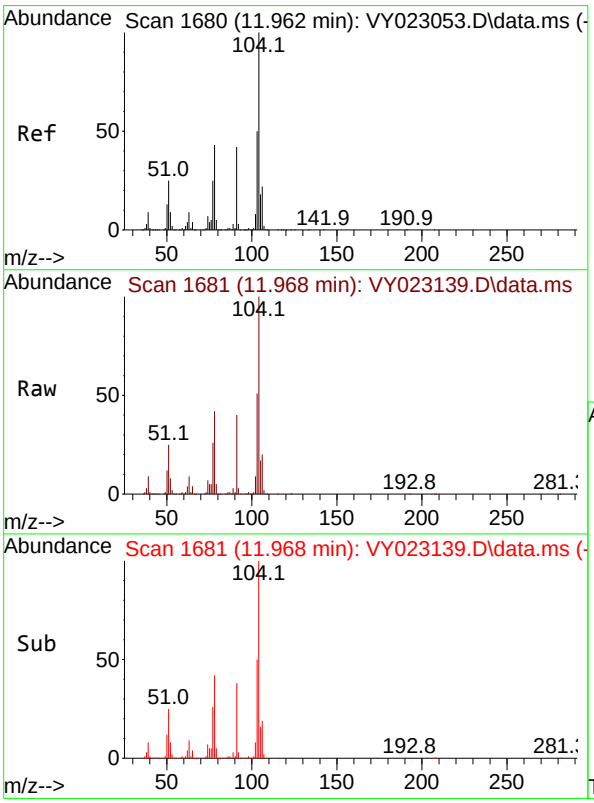
#69
o-Xylene
Concen: 21.020 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:106 Resp: 201847

Ion	Ratio	Lower	Upper
106	100		
91	206.0	103.2	309.4

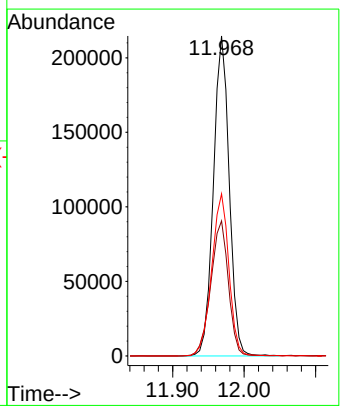


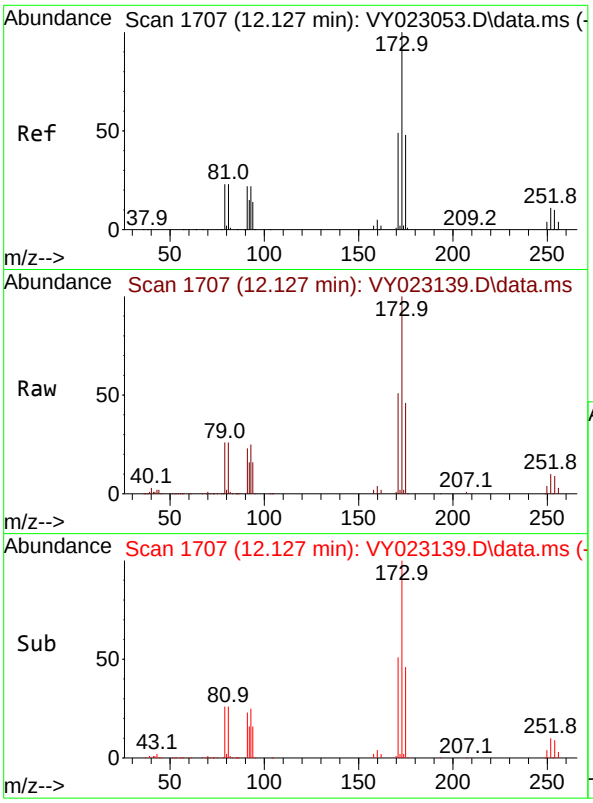


#70
Styrene
Concen: 21.028 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:104 Resp: 330216

Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.5	57.7
103	55.0	43.7	65.5



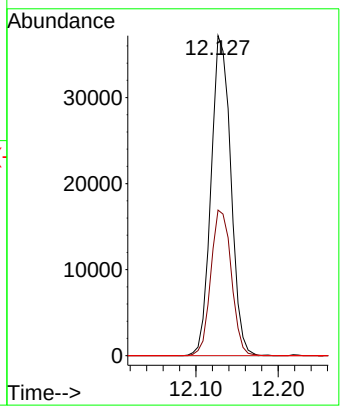


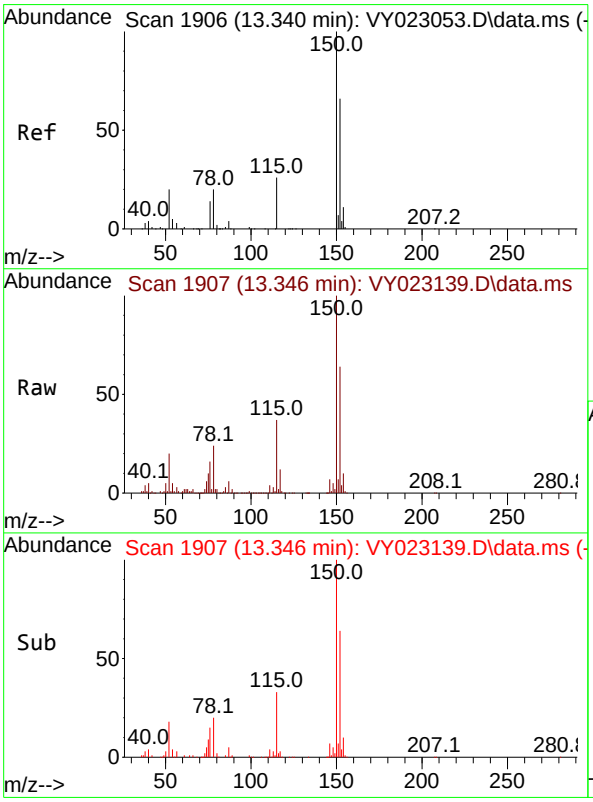
#71
Bromoform
Concen: 20.525 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:173 Resp: 62105

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.9	71.7
254	0.0	0.1	0.1#

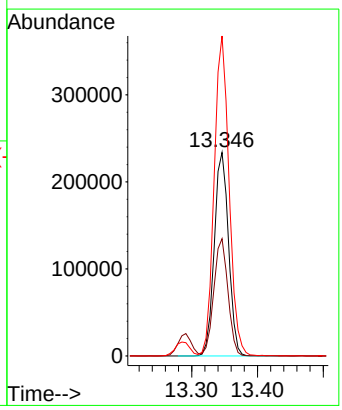


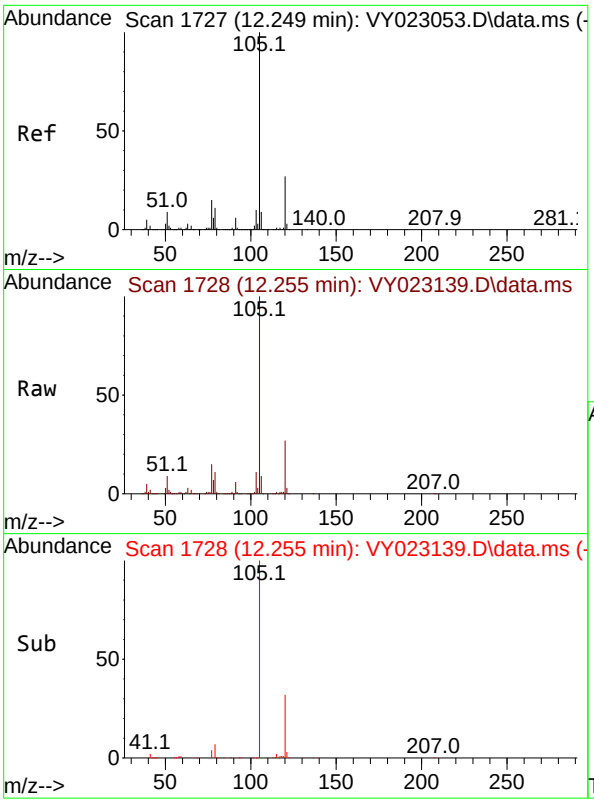


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:152 Resp: 352720

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.2	84.6
150	164.2	0.0	348.0



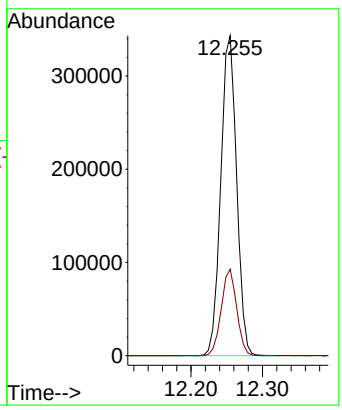


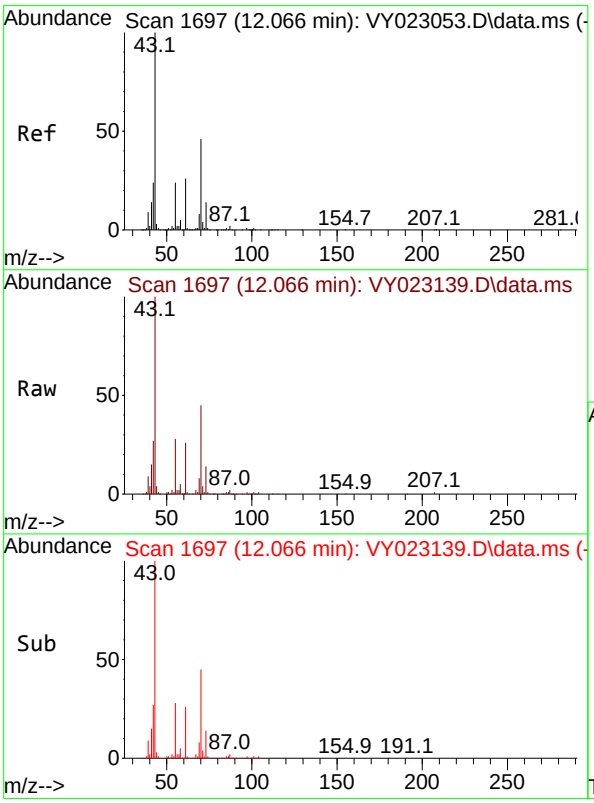
#73
Isopropylbenzene
Concen: 21.185 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:105 Resp: 527385

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.2

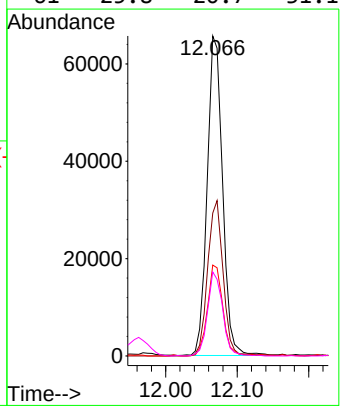


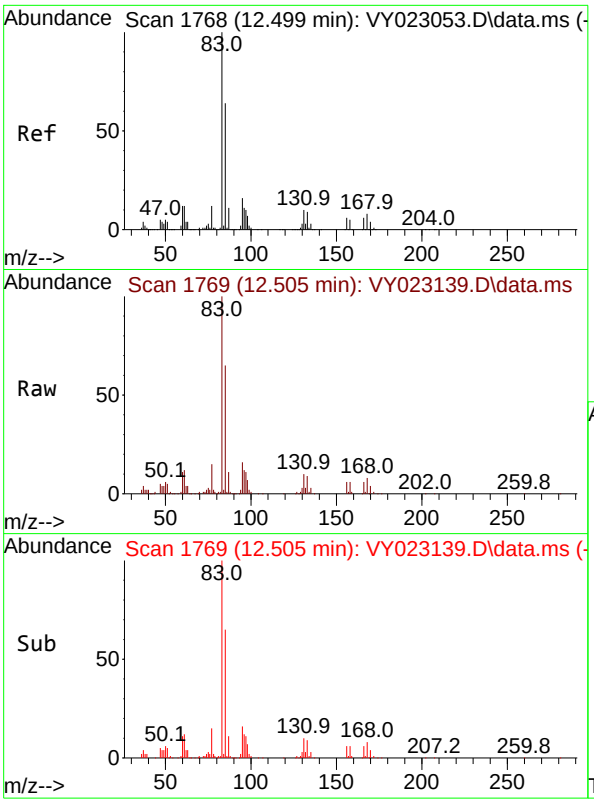


#74
N-amyl acetate
Concen: 18.632 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 98366

Ion	Ratio	Lower	Upper
43	100		
70	48.9	37.5	56.3
55	28.7	20.7	31.1
61	25.8	20.7	31.1



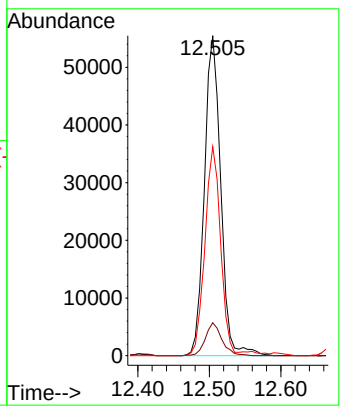


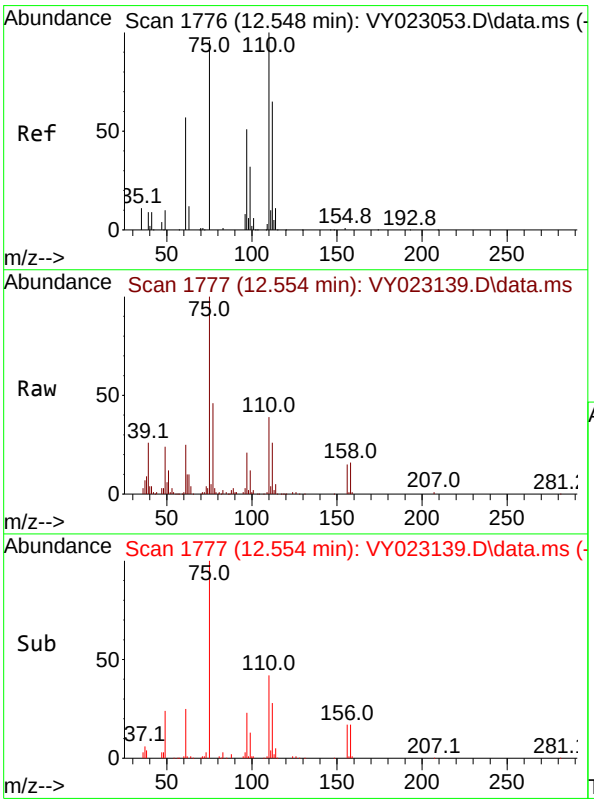
#75
1,1,2,2-Tetrachloroethane
Concen: 20.694 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 83 Resp: 87962

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.3
85	62.7	31.8	95.3

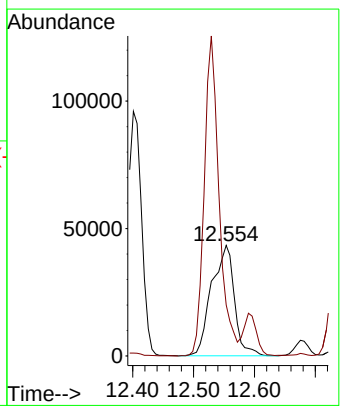


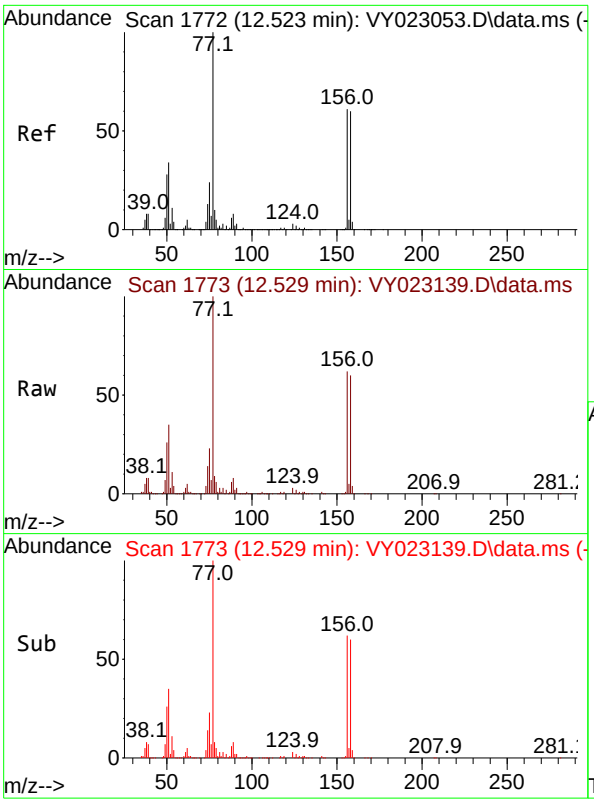


#76
1,2,3-Trichloropropane
Concen: 33.119 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 112742

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



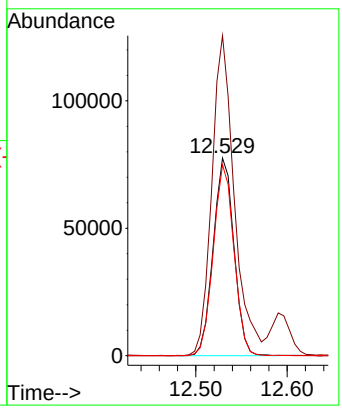


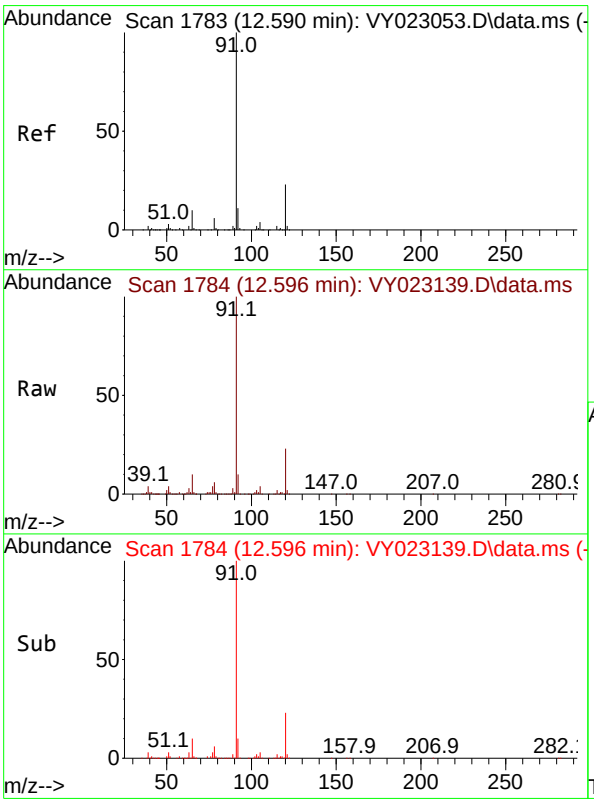
#77
Bromobenzene
Concen: 20.592 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:156 Resp: 122298

Ion	Ratio	Lower	Upper
156	100		
77	174.9	88.1	264.4
158	96.4	48.0	144.0

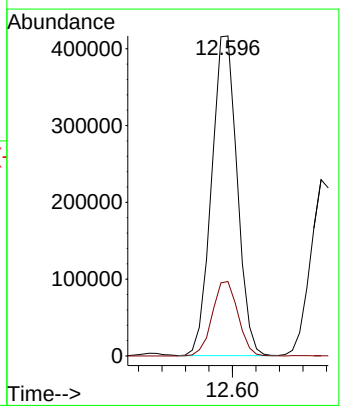


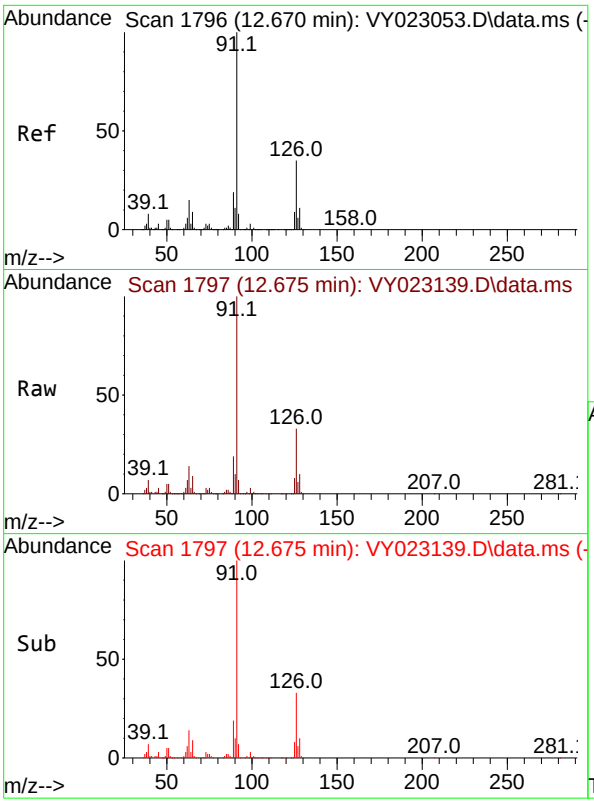


#78
n-propylbenzene
Concen: 21.255 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 629976

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5



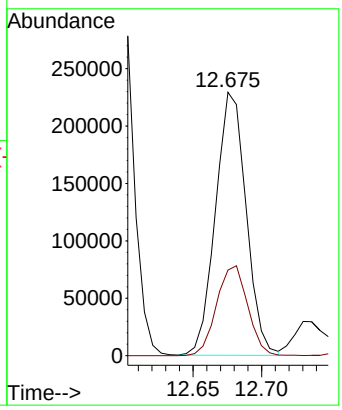


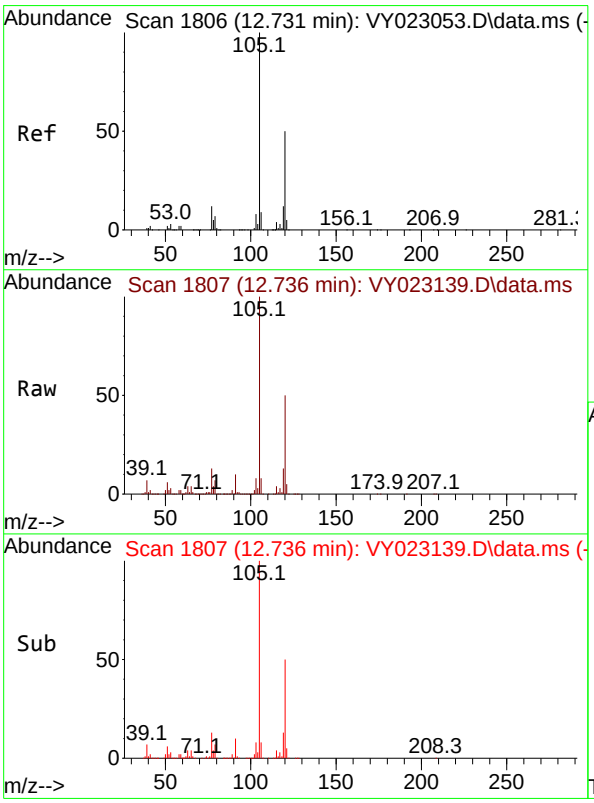
#79
2-Chlorotoluene
Concen: 20.990 ug/l
RT: 12.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 91 Resp: 356441

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3

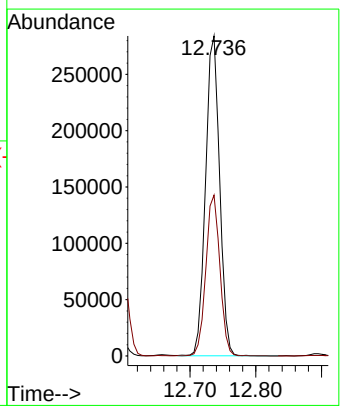


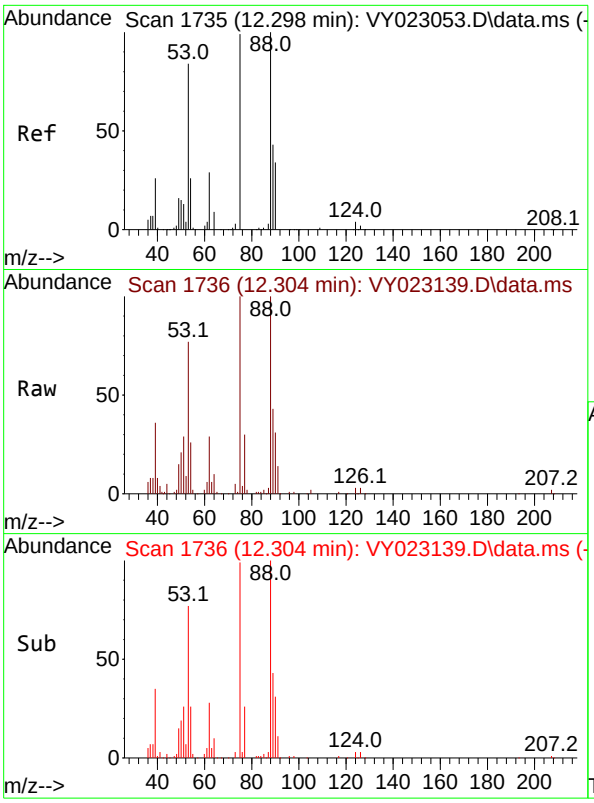


#80
1,3,5-Trimethylbenzene
Concen: 21.022 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 422945

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4



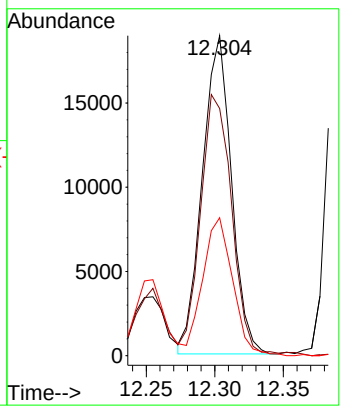


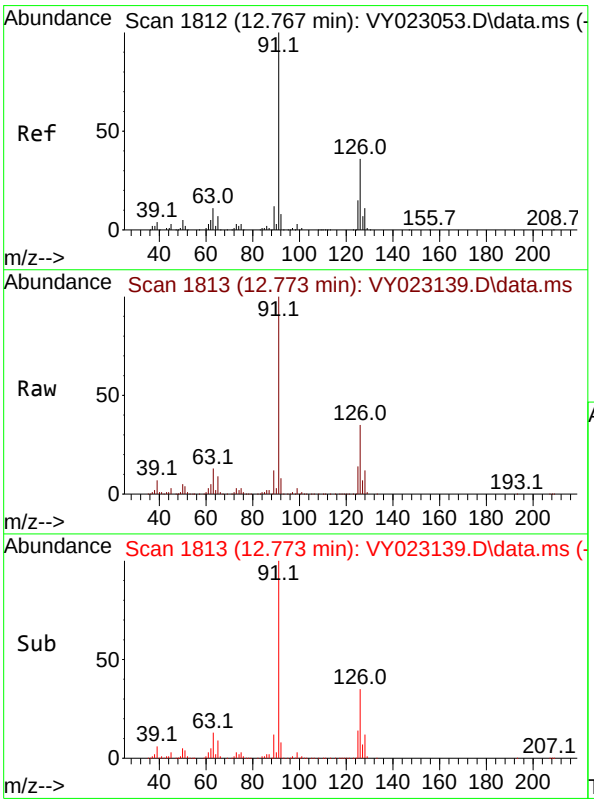
#81
trans-1,4-Dichloro-2-butene
Concen: 19.838 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 75 Resp: 27897

Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.8	106.2
89	44.3	38.1	57.1

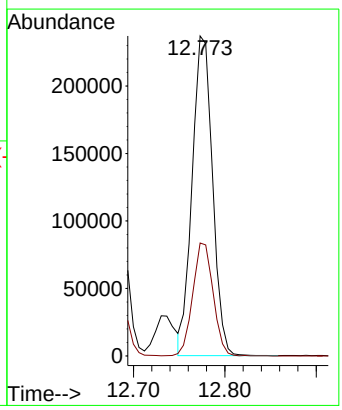


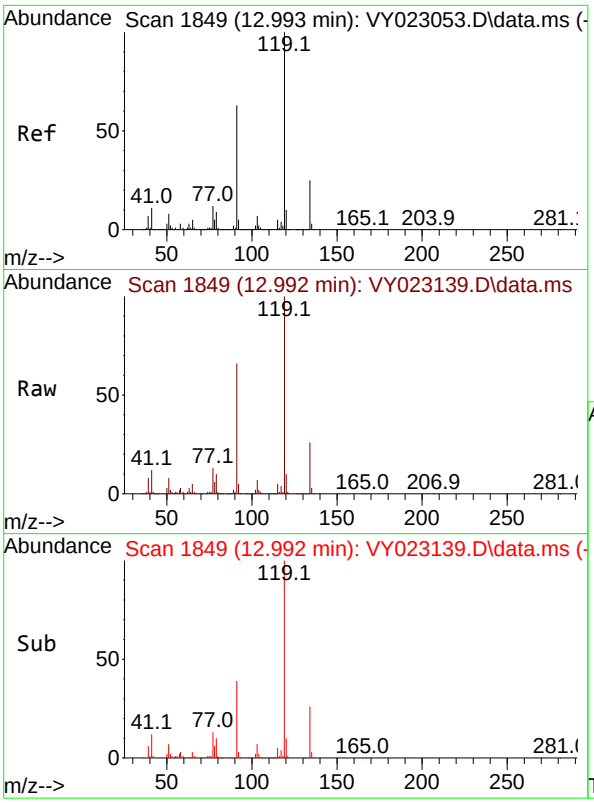


#82
4-Chlorotoluene
Concen: 20.803 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 366476

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0



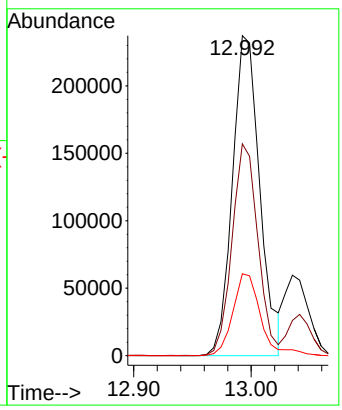


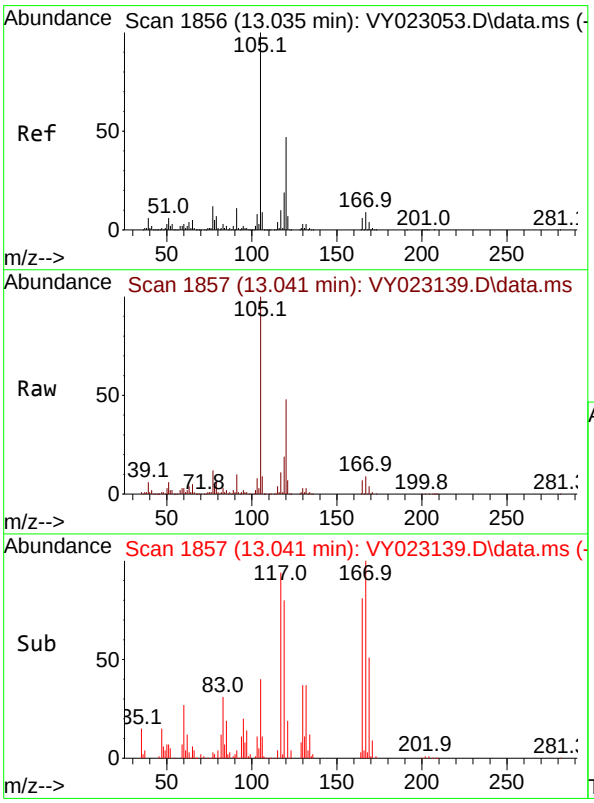
#83
tert-Butylbenzene
Concen: 21.122 ug/l
RT: 12.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:119 Resp: 383813

Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.6	94.8
134	26.1	12.9	38.7

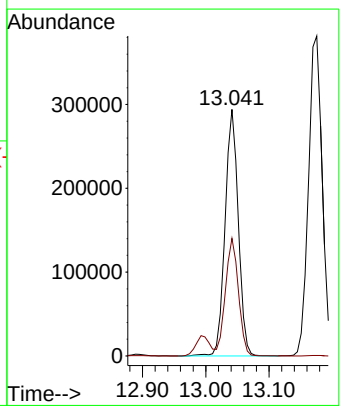


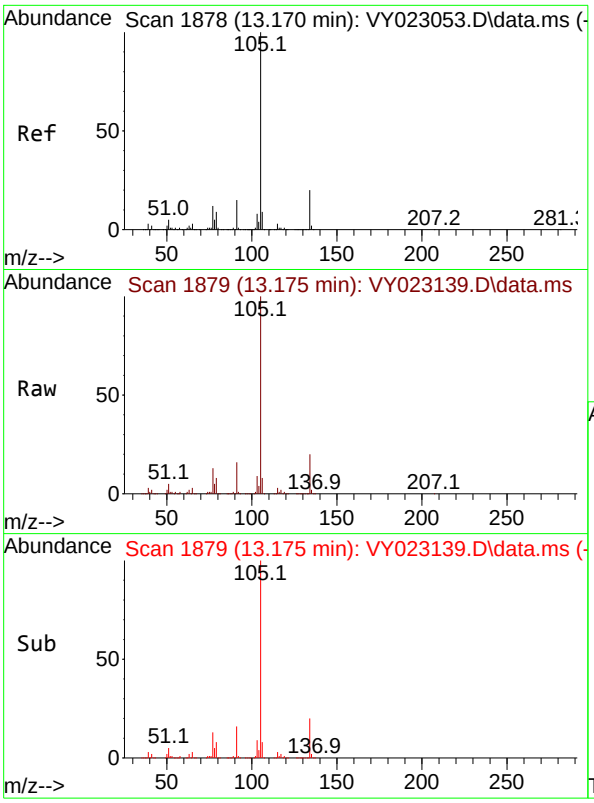


#84
1,2,4-Trimethylbenzene
Concen: 21.298 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 426567

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0



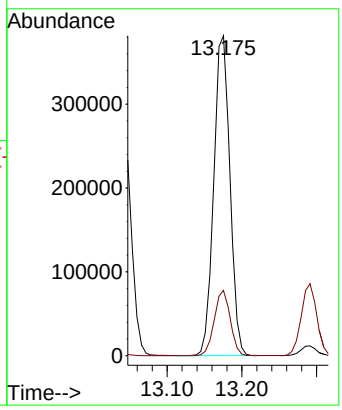


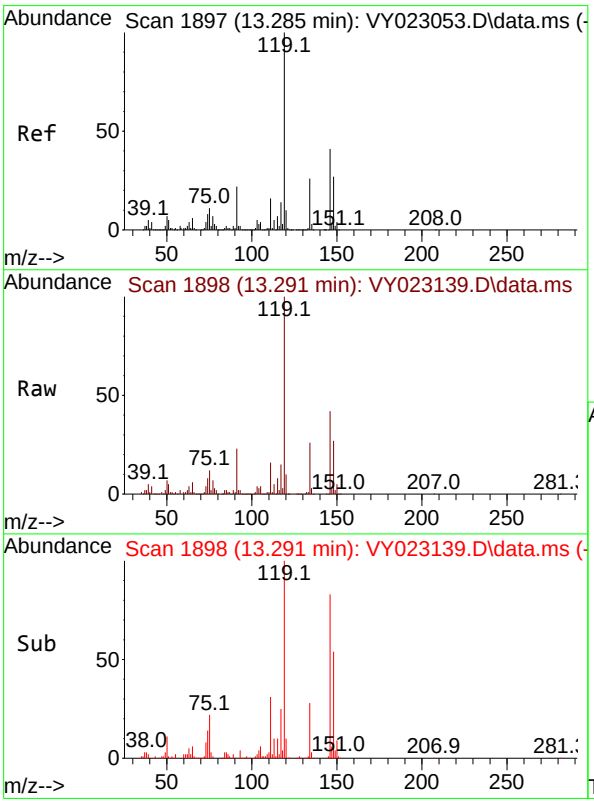
#85
sec-Butylbenzene
Concen: 21.463 ug/l
RT: 13.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:105 Resp: 572911

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4

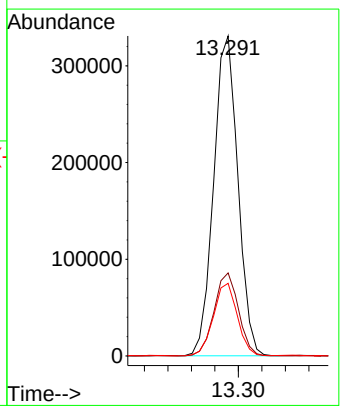


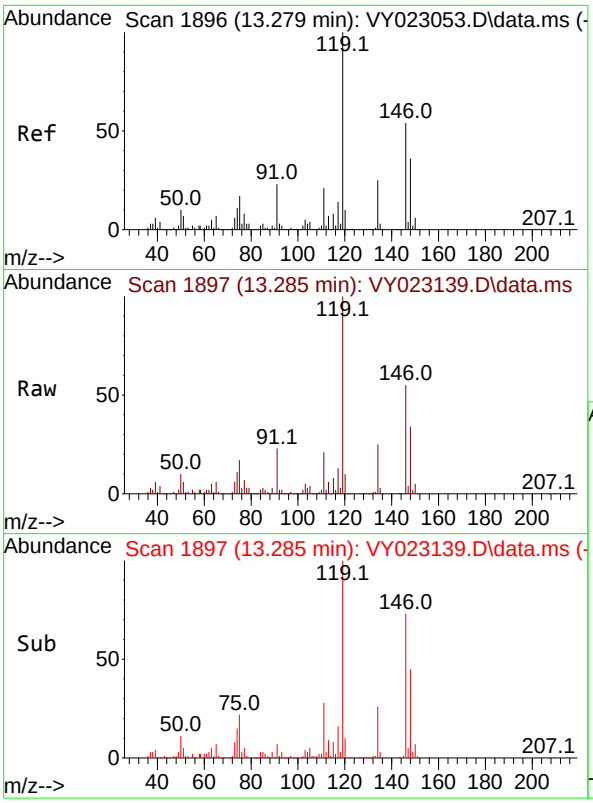


#86
p-Isopropyltoluene
Concen: 21.375 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:119 Resp: 473600

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	22.3	11.3	33.8



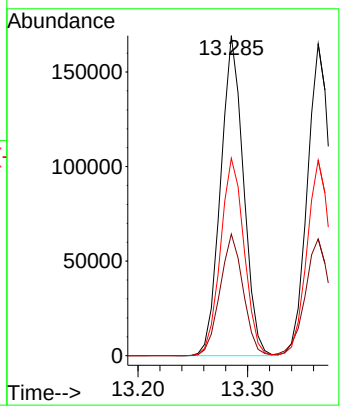


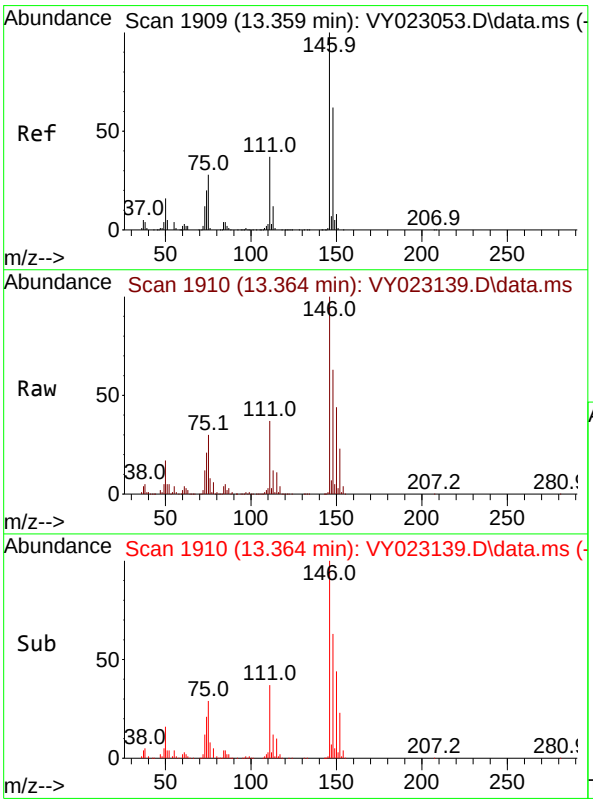
#87
1,3-Dichlorobenzene
Concen: 20.938 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:146 Resp: 245224

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.6	32.5	97.5

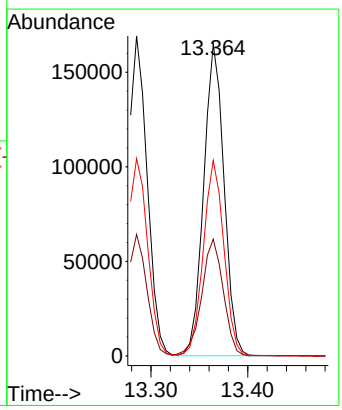


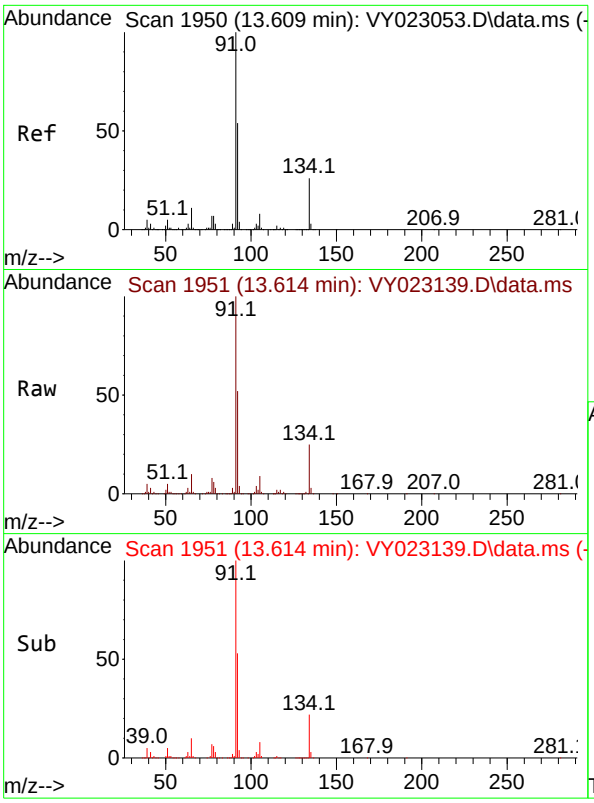


#88
1,4-Dichlorobenzene
Concen: 20.829 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:146 Resp: 241992

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.1
148	63.2	31.6	94.7



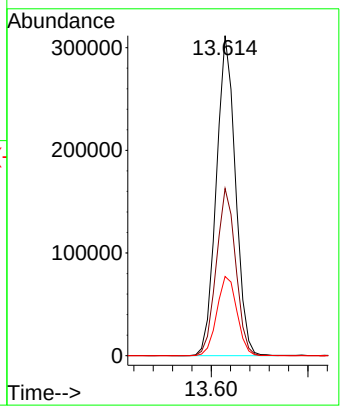


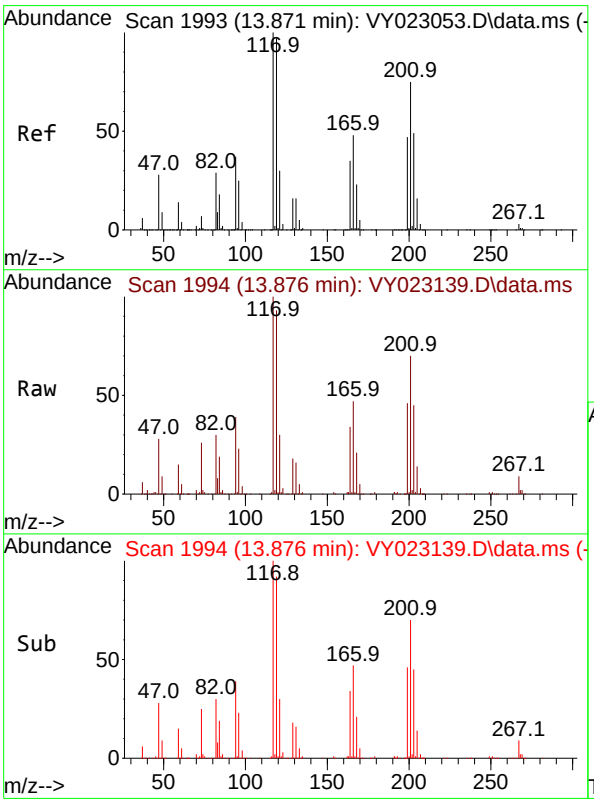
#89
n-Butylbenzene
Concen: 20.989 ug/l
RT: 13.614 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 91 Resp: 427124

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	26.0	13.2	39.5

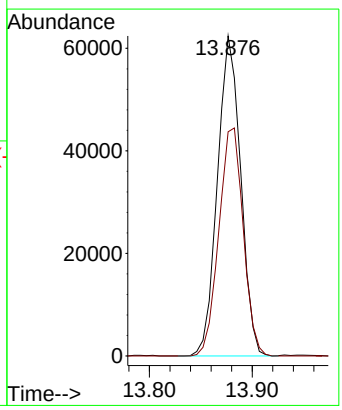


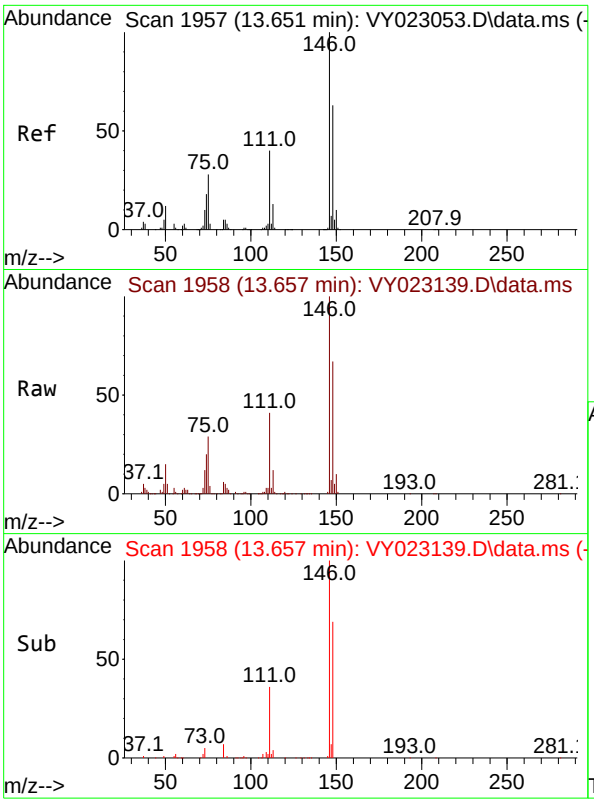


#90
Hexachloroethane
Concen: 21.595 ug/l
RT: 13.876 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:117 Resp: 97949

Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.4	115.1



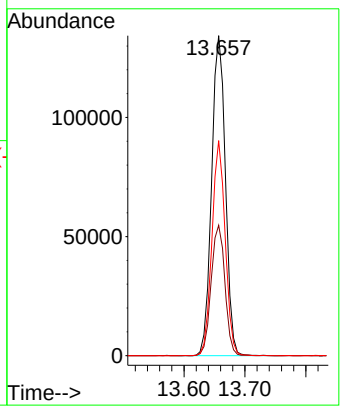


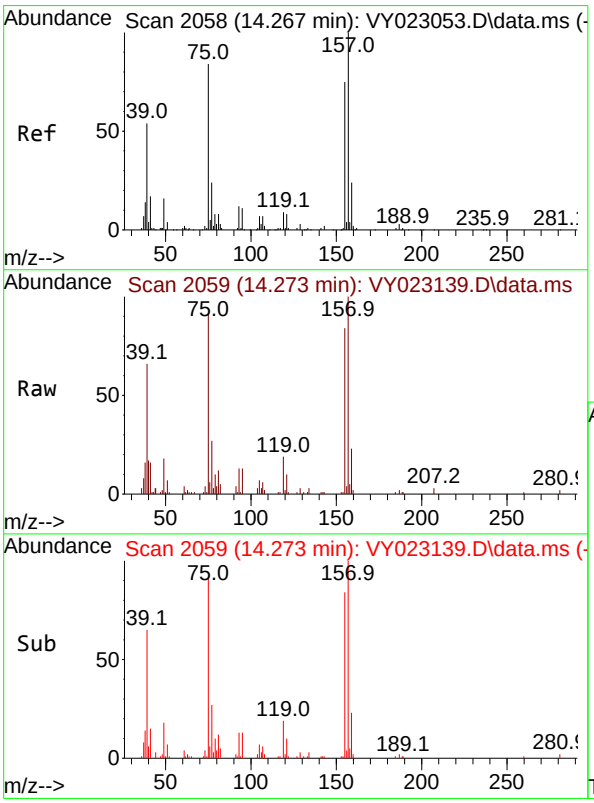
#91
1,2-Dichlorobenzene
Concen: 20.524 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:146 Resp: 210816

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	64.5	32.2	96.6

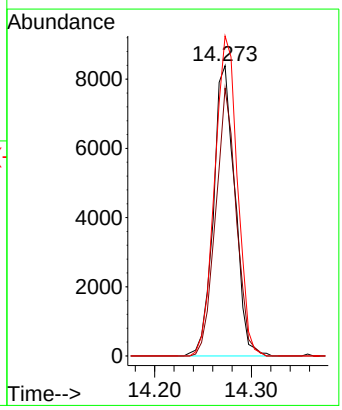


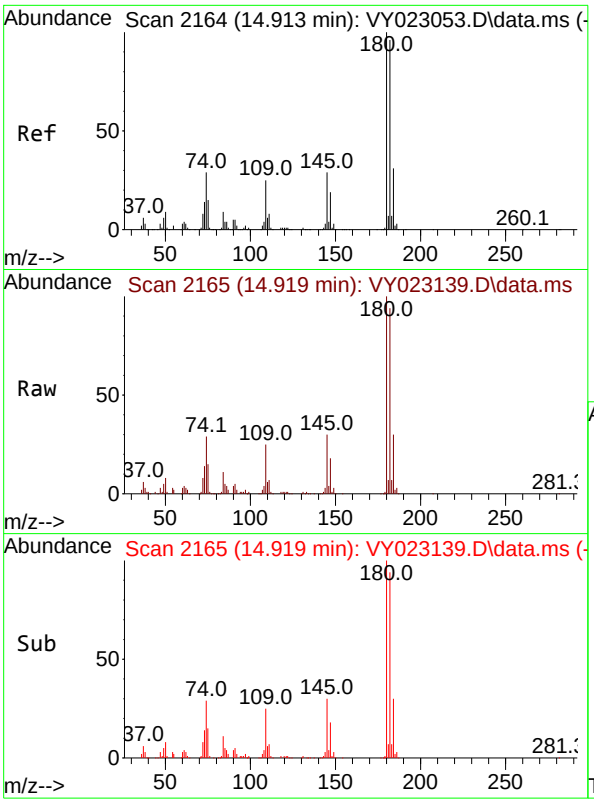


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.499 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 12905

Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.9	131.6
157	116.6	57.2	171.6



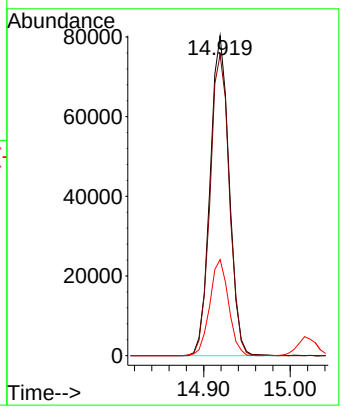


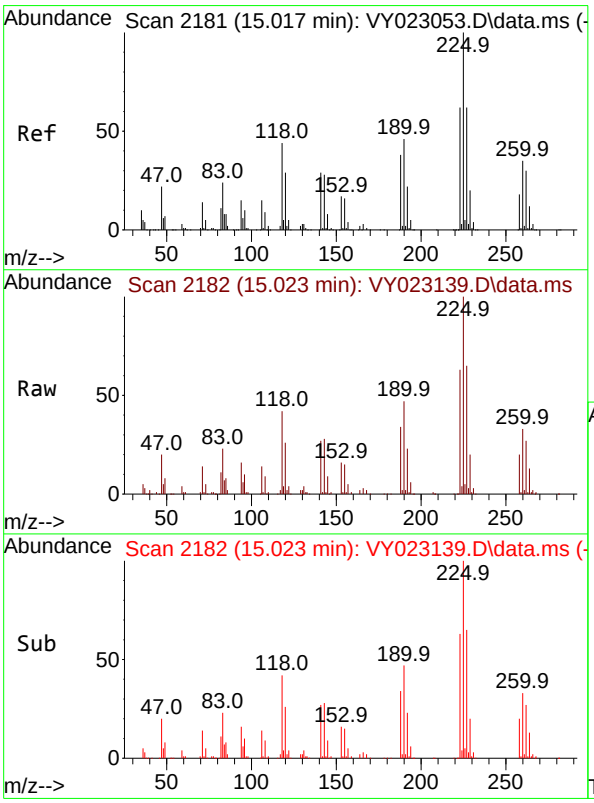
#93
1,2,4-Trichlorobenzene
Concen: 20.157 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:180 Resp: 122439

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.4
145	29.7	14.4	43.4

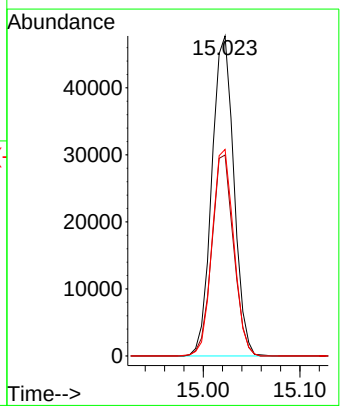


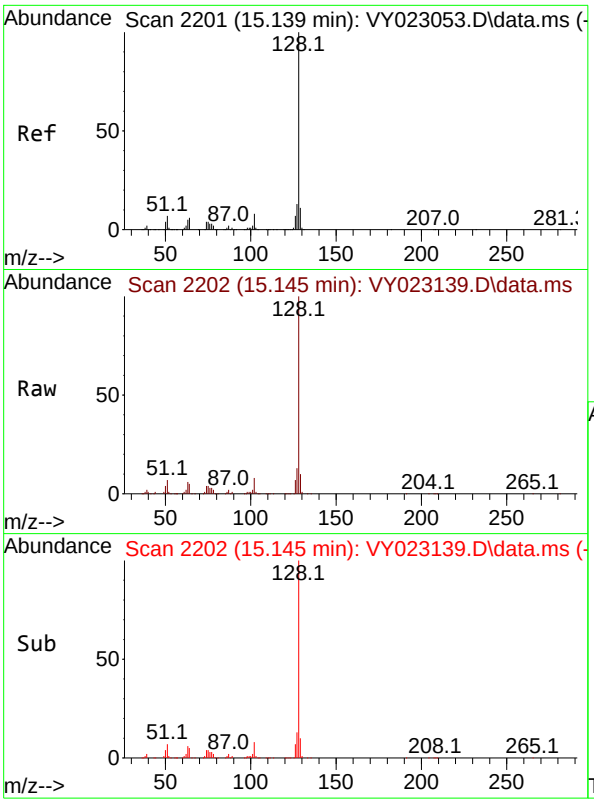


#94
Hexachlorobutadiene
Concen: 21.149 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:225 Resp: 75487

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.8
227	63.6	31.5	94.5



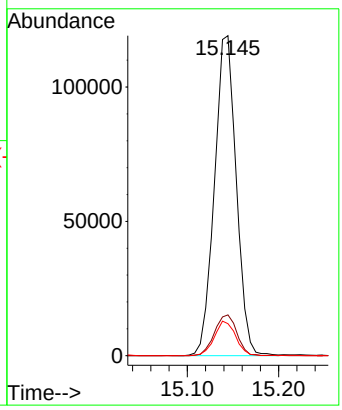


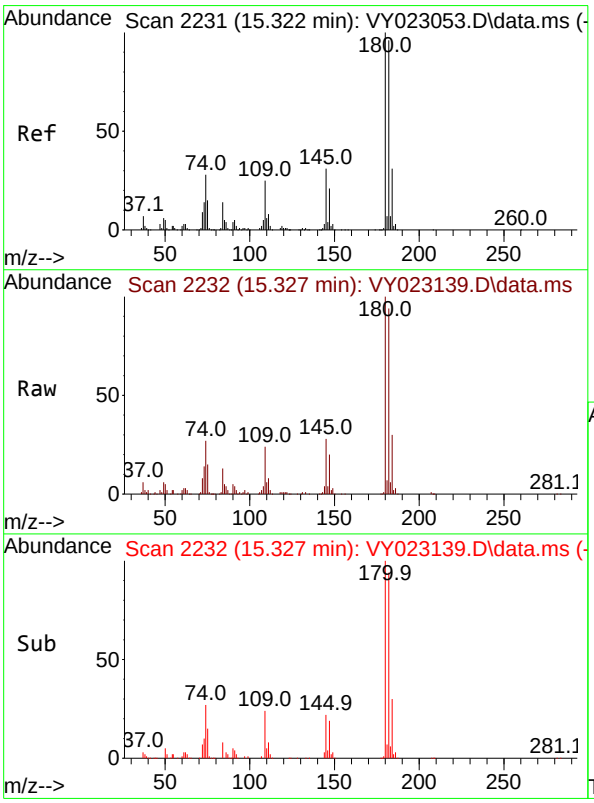
#95
Naphthalene
Concen: 19.124 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:128 Resp: 198080

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	9.0	13.4

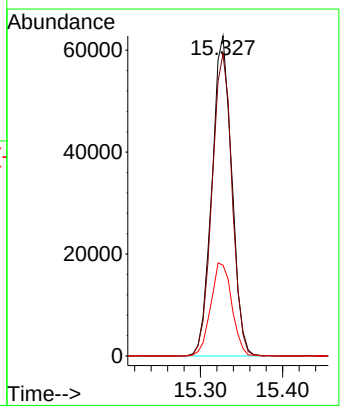




#96
1,2,3-Trichlorobenzene
Concen: 20.115 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:180 Resp: 105286

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	30.9	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	517578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	818799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	351390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227323	46.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.160%			
35) Dibromofluoromethane	7.634	113	233145	47.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.180%			
50) Toluene-d8	10.103	98	927285	48.447	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.401	95	288067	46.799	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	89236	21.122	ug/l	98
3) Chloromethane	2.068	50	132388	19.347	ug/l	99
4) Vinyl Chloride	2.202	62	171181	20.238	ug/l	99
5) Bromomethane	2.592	94	135998	21.529	ug/l	98
6) Chloroethane	2.732	64	114583	20.376	ug/l	98
7) Trichlorofluoromethane	3.056	101	211631	20.576	ug/l	98
8) Diethyl Ether	3.452	74	52093	19.144	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	106851	21.058	ug/l	98
10) Methyl Iodide	4.007	142	111681	20.397	ug/l	100
11) Tert butyl alcohol	4.860	59	30321	89.708	ug/l	98
12) 1,1-Dichloroethene	3.787	96	103385	20.728	ug/l	97
13) Acrolein	3.647	56	35966	72.659	ug/l	99
14) Allyl chloride	4.378	41	136871	18.650	ug/l	97
15) Acrylonitrile	5.061	53	102624	92.765	ug/l	99
16) Acetone	3.866	43	111533	104.365	ug/l	94
17) Carbon Disulfide	4.104	76	322174	19.811	ug/l	100
18) Methyl Acetate	4.385	43	55681	17.509	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	252503	19.537	ug/l	96
20) Methylene Chloride	4.610	84	117942	19.585	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	113075	20.174	ug/l	95
22) Diisopropyl ether	6.018	45	306183	19.199	ug/l	94
23) Vinyl Acetate	5.957	43	822478	93.270	ug/l	98
24) 1,1-Dichloroethane	5.915	63	195367	20.037	ug/l	98
25) 2-Butanone	6.896	43	142067	97.745	ug/l	97
26) 2,2-Dichloropropane	6.884	77	174925	20.792	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133374	20.583	ug/l	95
28) Bromochloromethane	7.244	49	75405	19.493	ug/l	96
29) Tetrahydrofuran	7.262	42	83508	92.691	ug/l	99
30) Chloroform	7.421	83	205577	20.444	ug/l	97
31) Cyclohexane	7.701	56	177913	19.364	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	183801	20.600	ug/l	99
36) 1,1-Dichloropropene	7.835	75	148907	20.451	ug/l	99
37) Ethyl Acetate	6.982	43	57496	18.798	ug/l	98
38) Carbon Tetrachloride	7.817	117	166508	21.055	ug/l	97
39) Methylcyclohexane	9.109	83	193301	20.160	ug/l	98
40) Benzene	8.079	78	458105	20.413	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	23353	13.230 ug/l #	66
42) 1,2-Dichloroethane	8.158	62	117549	20.140 ug/l	100
43) Isopropyl Acetate	8.195	43	110864	17.933 ug/l #	82
44) Trichloroethene	8.865	130	123853	21.356 ug/l	99
45) 1,2-Dichloropropane	9.140	63	104138	20.167 ug/l	98
46) Dibromomethane	9.231	93	60685	20.476 ug/l	100
47) Bromodichloromethane	9.426	83	154294	20.232 ug/l	100
48) Methyl methacrylate	9.219	41	53715	18.158 ug/l	96
49) 1,4-Dioxane	9.231	88	12643	363.816 ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	293540	92.052 ug/l	100
52) Toluene	10.170	92	297560	20.876 ug/l	100
53) t-1,3-Dichloropropene	10.390	75	137297	19.881 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	162867	19.944 ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	80753	20.362 ug/l	96
56) Ethyl methacrylate	10.438	69	96390	18.994 ug/l	97
57) 1,3-Dichloropropane	10.719	76	134934	20.062 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	226996	94.830 ug/l	97
59) 2-Hexanone	10.761	43	207790	95.694 ug/l	99
60) Dibromochloromethane	10.908	129	106952	20.438 ug/l	99
61) 1,2-Dibromoethane	11.018	107	74607	20.016 ug/l	99
64) Tetrachloroethene	10.646	164	150882	23.712 ug/l	99
65) Chlorobenzene	11.438	112	321766	20.934 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	107743	20.654 ug/l	98
67) Ethyl Benzene	11.517	91	536453	20.281 ug/l	98
68) m/p-Xylenes	11.627	106	426776	41.310 ug/l	99
69) o-Xylene	11.950	106	198012	20.464 ug/l	99
70) Styrene	11.969	104	328722	20.774 ug/l	99
71) Bromoform	12.127	173	59992	19.677 ug/l #	98
73) Isopropylbenzene	12.255	105	515167	20.772 ug/l	100
74) N-amyl acetate	12.066	43	95001	18.063 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	76121	17.976 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	113692	33.525 ug/l #	100
77) Bromobenzene	12.529	156	122602	20.721 ug/l	98
78) n-propylbenzene	12.590	91	624469	21.149 ug/l	100
79) 2-Chlorotoluene	12.676	91	347424	20.536 ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	419347	20.922 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	26461	18.888 ug/l	99
82) 4-Chlorotoluene	12.773	91	359924	20.508 ug/l	98
83) tert-Butylbenzene	12.993	119	378882	20.929 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	418193	20.959 ug/l	99
85) sec-Butylbenzene	13.170	105	557566	20.967 ug/l	100
86) p-Isopropyltoluene	13.292	119	464251	21.032 ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	242365	20.772 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	238568	20.612 ug/l	98
89) n-Butylbenzene	13.615	91	426296	21.027 ug/l	99
90) Hexachloroethane	13.877	117	96348	21.322 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	210993	20.619 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12876	19.529 ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	122842	20.300 ug/l	98
94) Hexachlorobutadiene	15.023	225	73904	20.784 ug/l	99
95) Naphthalene	15.139	128	200198	19.402 ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	104481	20.037 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

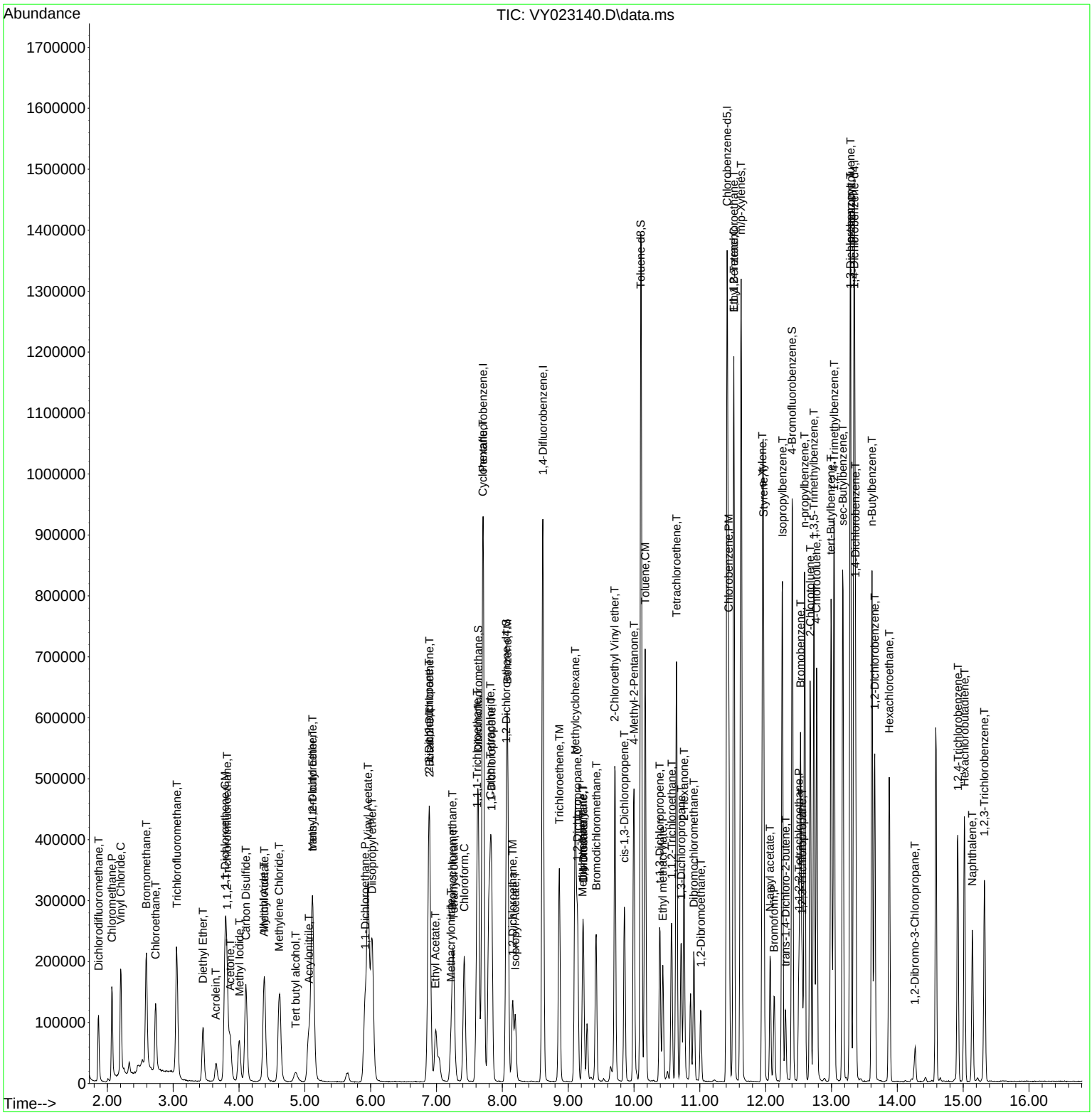
(#) = qualifier out of range (m) = manual integration (+) = signals summed

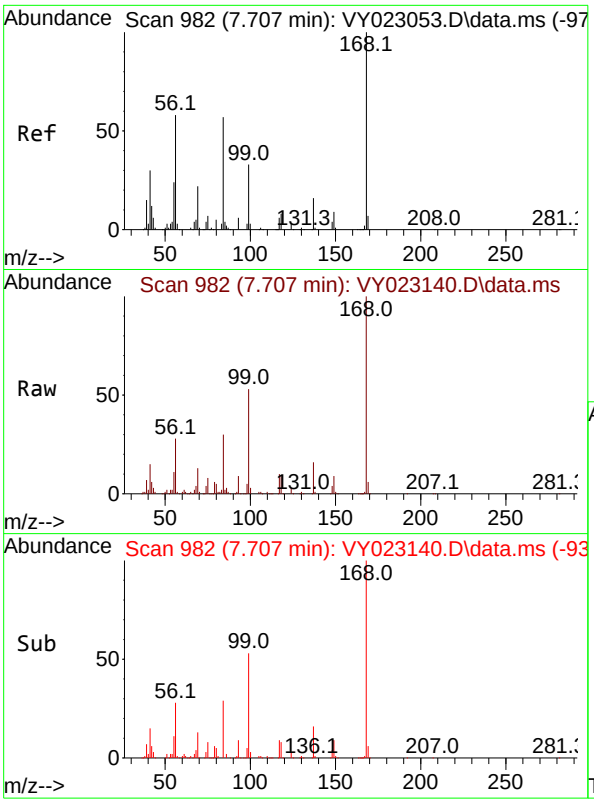
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023140.D
Acq On : 19 Aug 2025 10:42
Operator : SY/MD
Sample : VY0819SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Quant Time: Aug 20 01:25:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



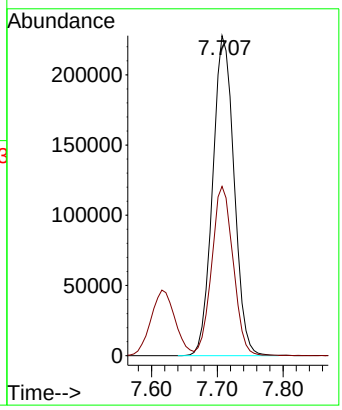


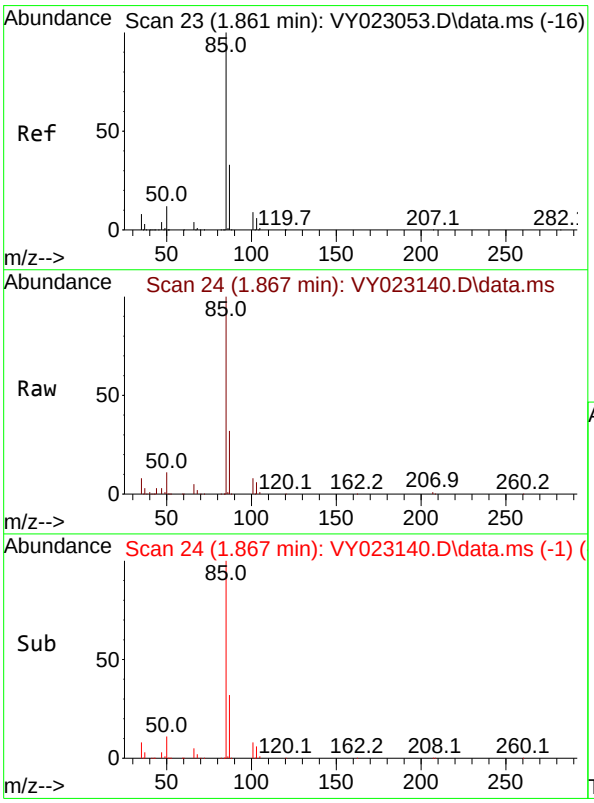
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:168 Resp: 517578

Ion	Ratio	Lower	Upper
168	100		
99	52.8	42.8	64.2

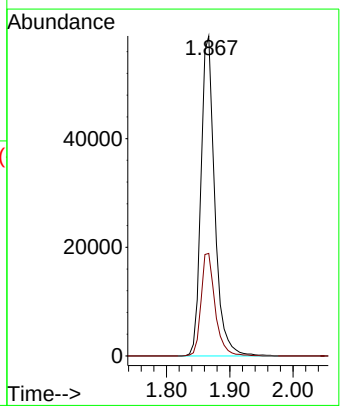


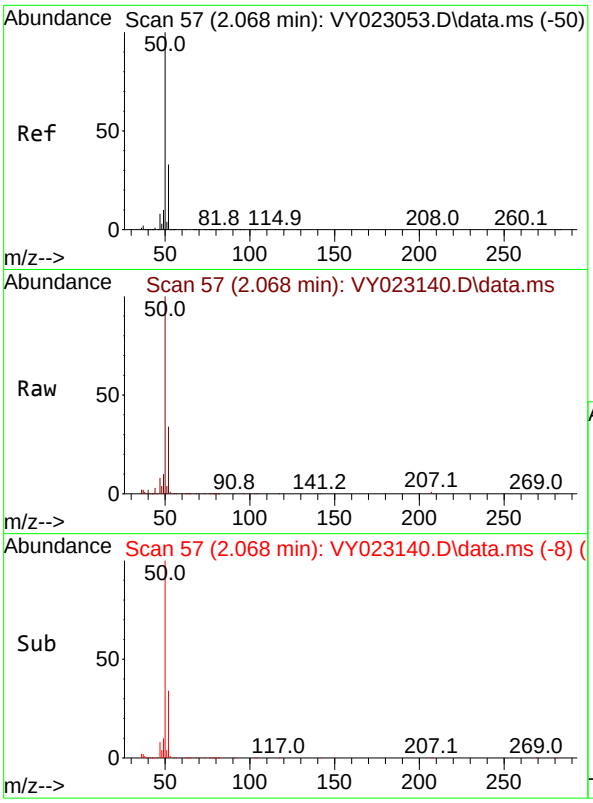


#2
Dichlorodifluoromethane
Concen: 21.122 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 85 Resp: 89236

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.6	49.8



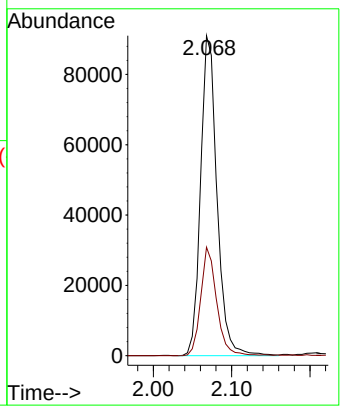


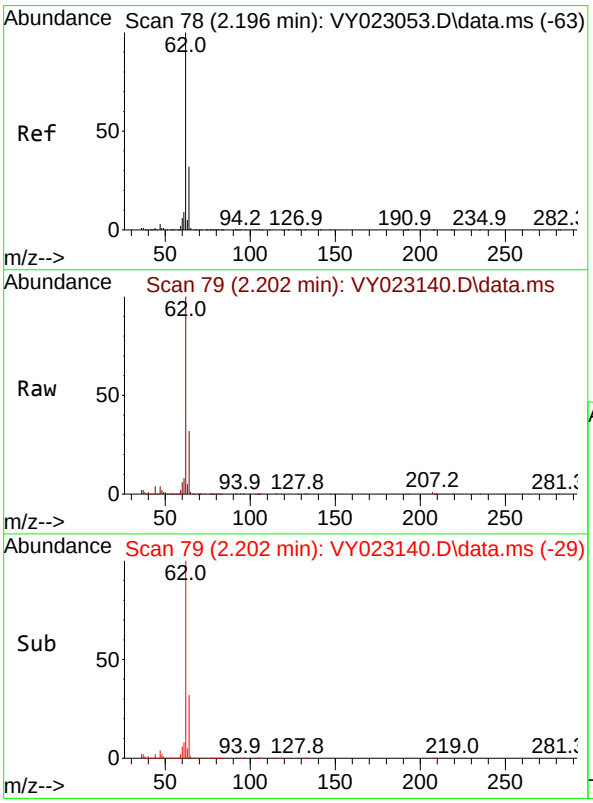
#3
Chloromethane
Concen: 19.347 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 50 Resp: 132388

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.7	40.1

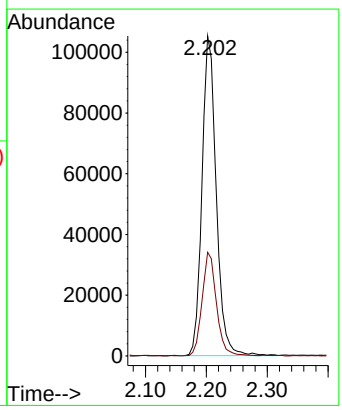


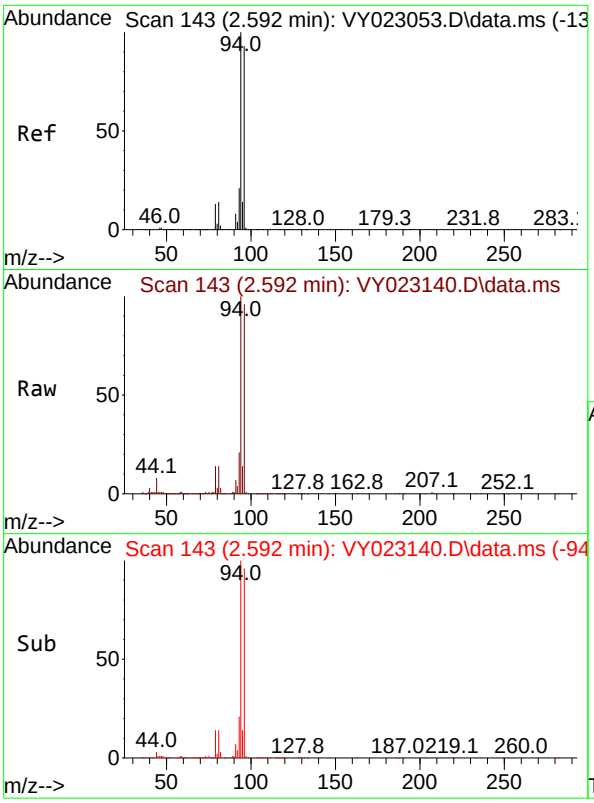


#4
Vinyl Chloride
Concen: 20.238 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 62 Resp: 171181

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.0



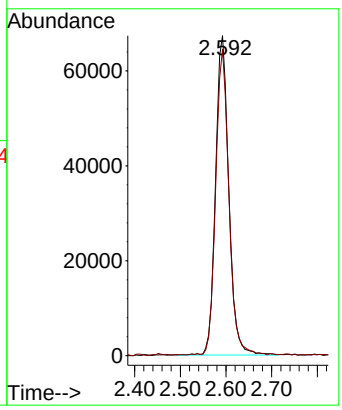


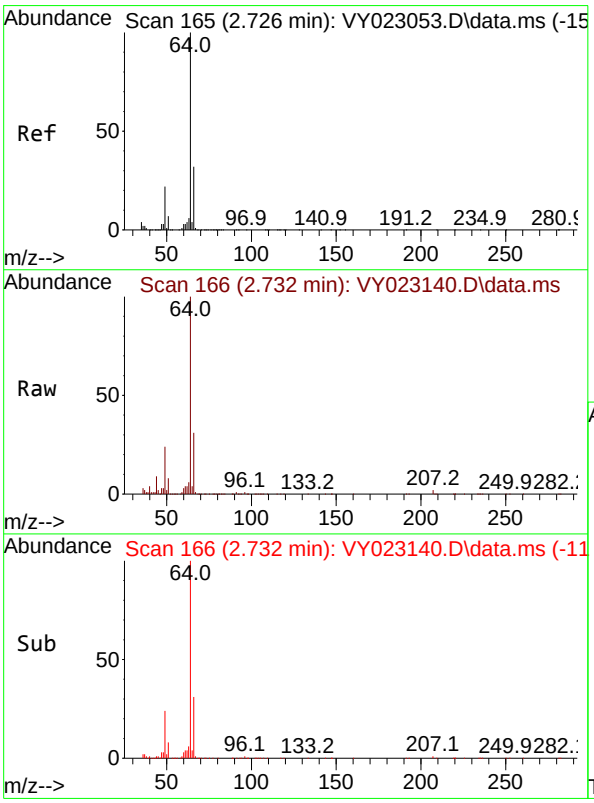
#5
Bromomethane
Concen: 21.529 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 94 Resp: 135998

Ion	Ratio	Lower	Upper
94	100		
96	95.6	74.6	112.0

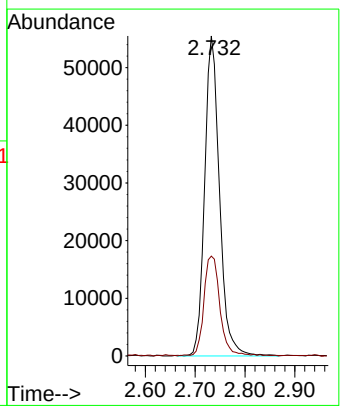


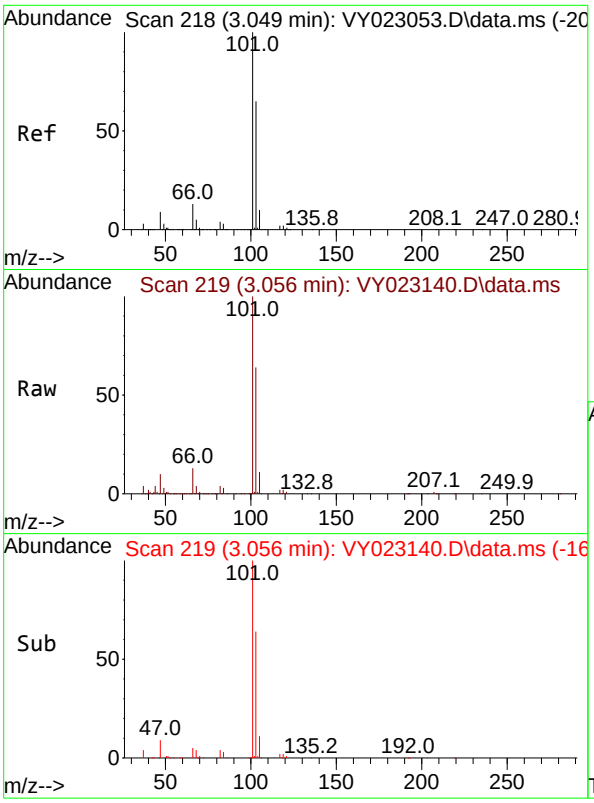


#6
Chloroethane
Concen: 20.376 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 64 Resp: 114583

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6



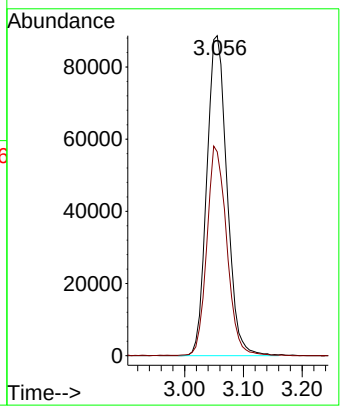


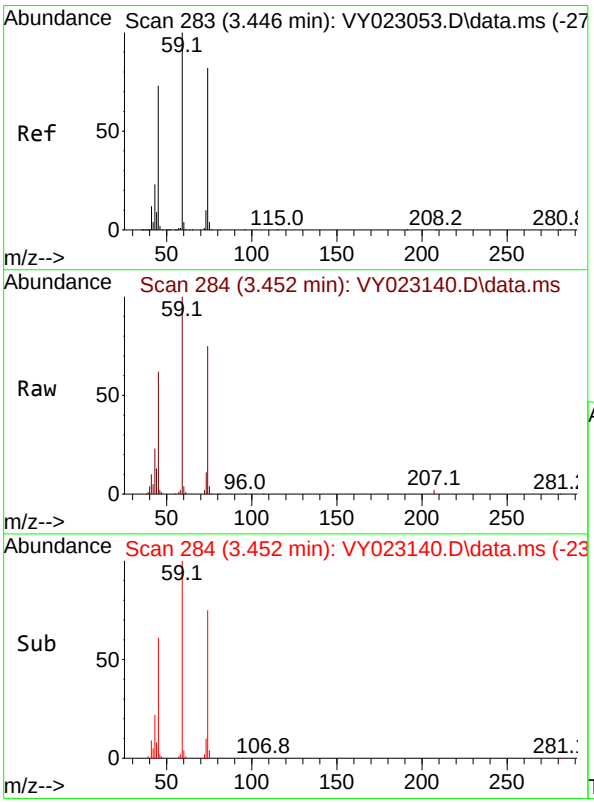
#7
Trichlorofluoromethane
Concen: 20.576 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:101 Resp: 211631

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.9	77.9

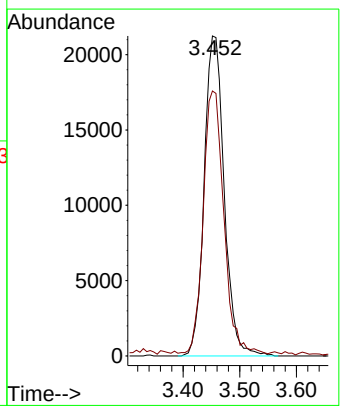


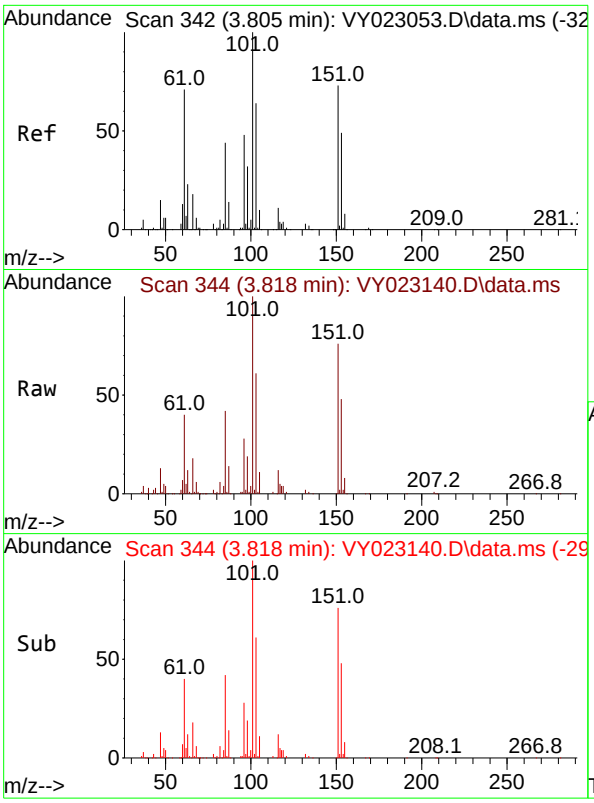


#8
Diethyl Ether
Concen: 19.144 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 74 Resp: 52093

Ion	Ratio	Lower	Upper
74	100		
45	84.0	44.4	133.2



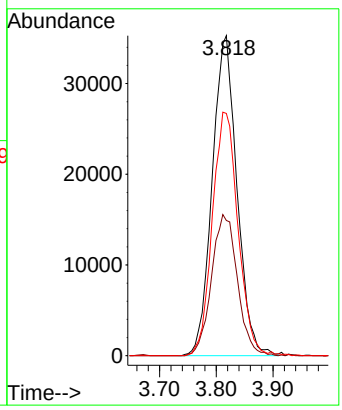


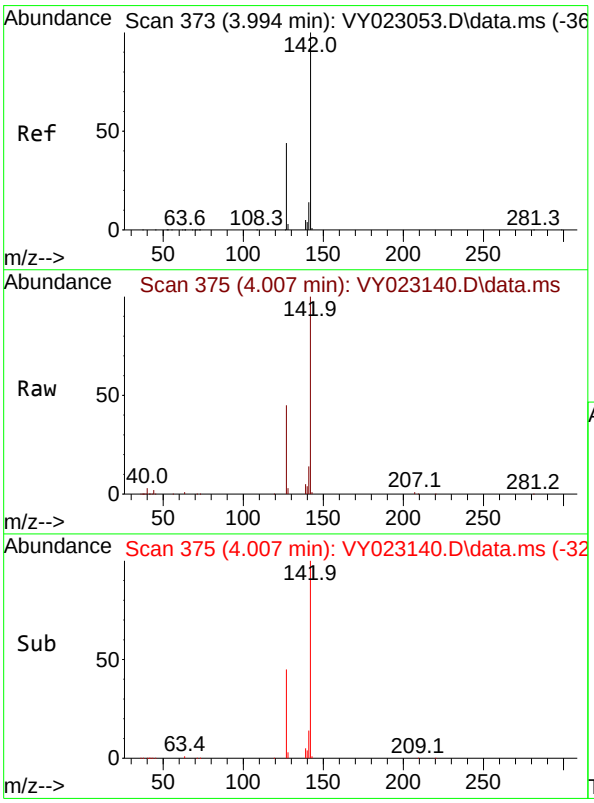
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.058 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:101 Resp: 106851

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.3	54.5
151	79.2	61.5	92.3

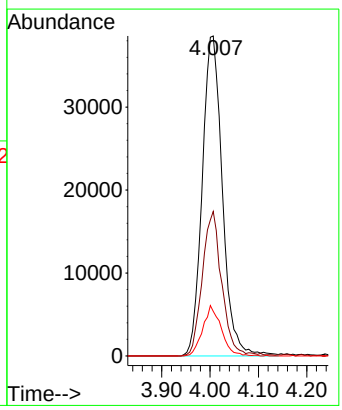


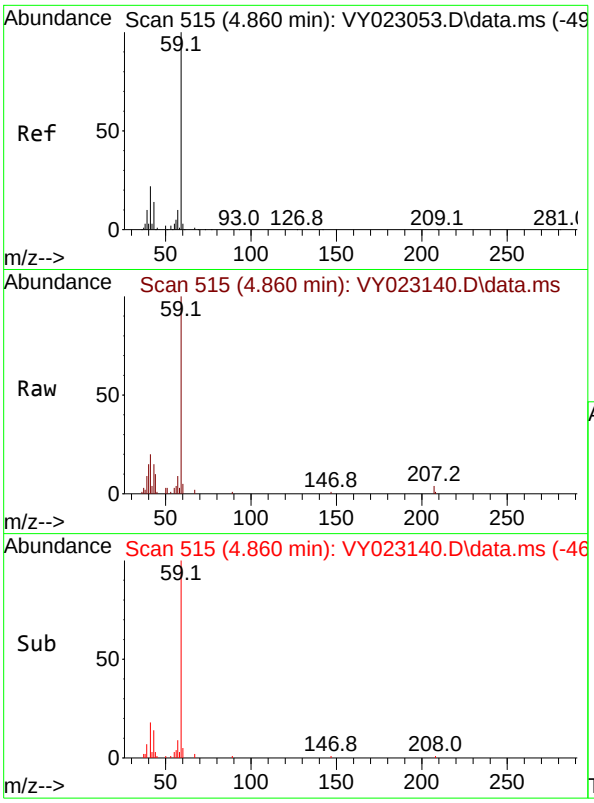


#10
Methyl Iodide
Concen: 20.397 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:142 Resp: 111681

Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.9	52.3
141	14.4	11.3	16.9



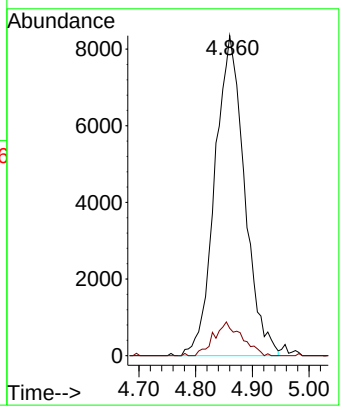


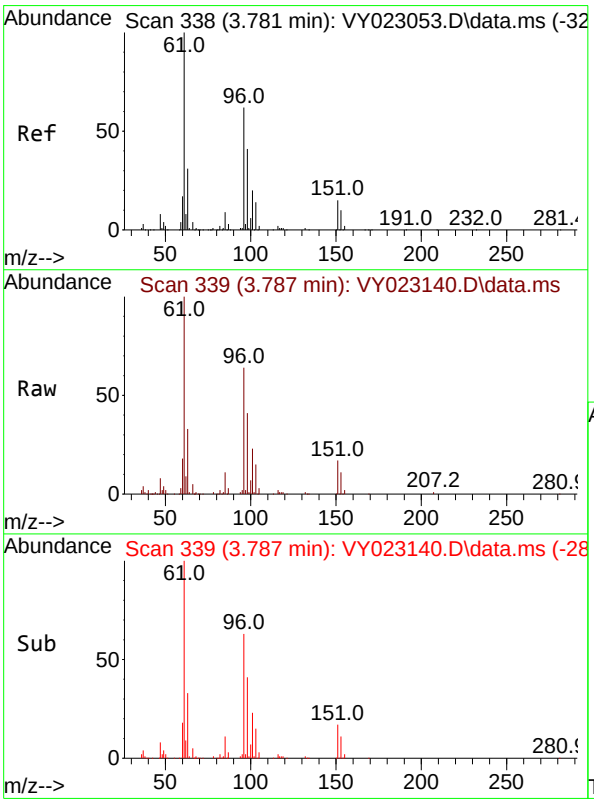
#11
Tert butyl alcohol
Concen: 89.708 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 59 Resp: 30321

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	13.0

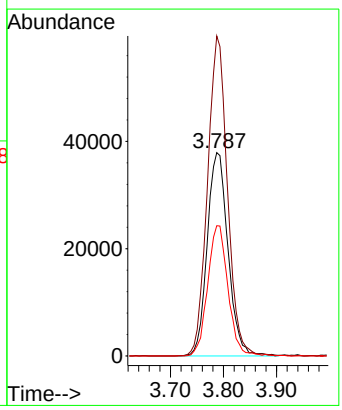


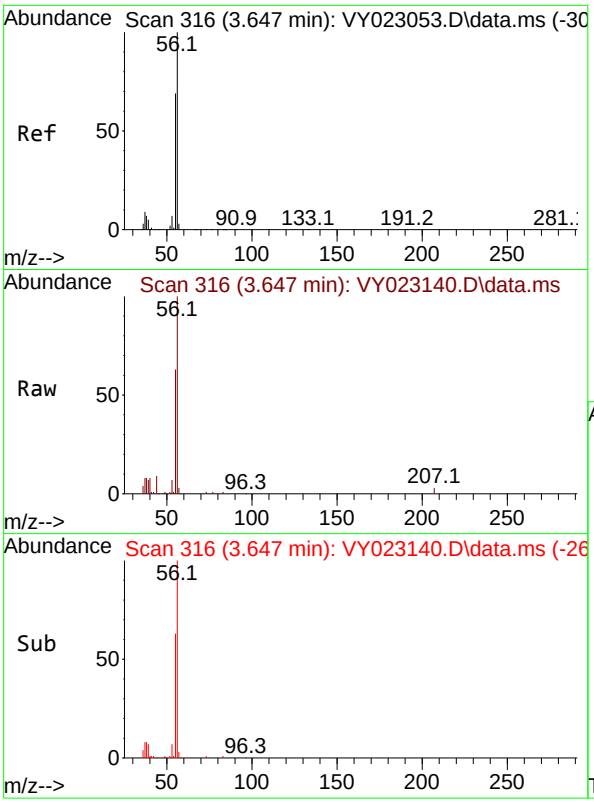


#12
1,1-Dichloroethene
Concen: 20.728 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 96 Resp: 103385

Ion	Ratio	Lower	Upper
96	100		
61	157.1	129.4	194.2
98	64.0	52.8	79.2



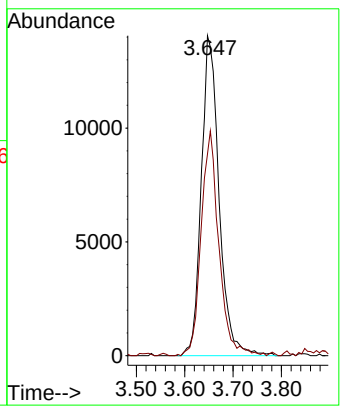


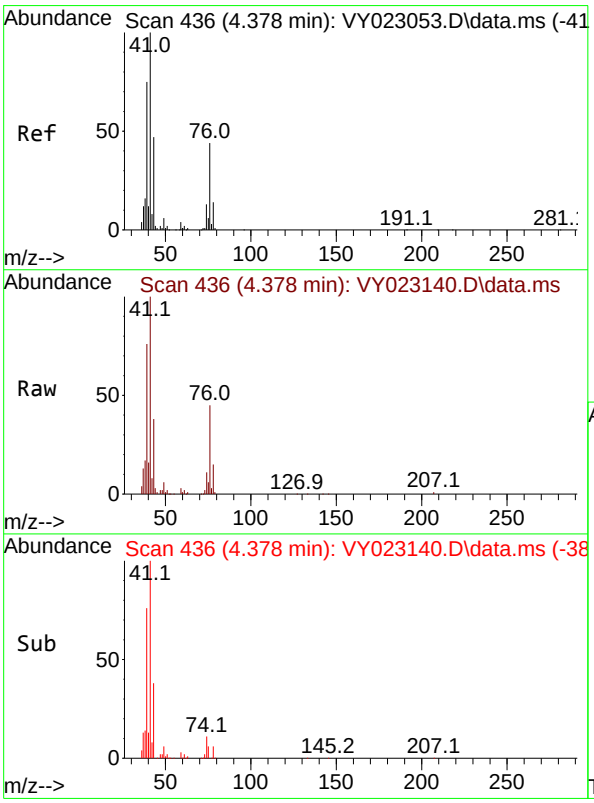
#13
Acrolein
Concen: 72.659 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 56 Resp: 35966

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.2	82.8

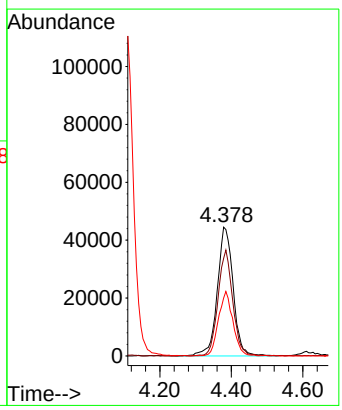


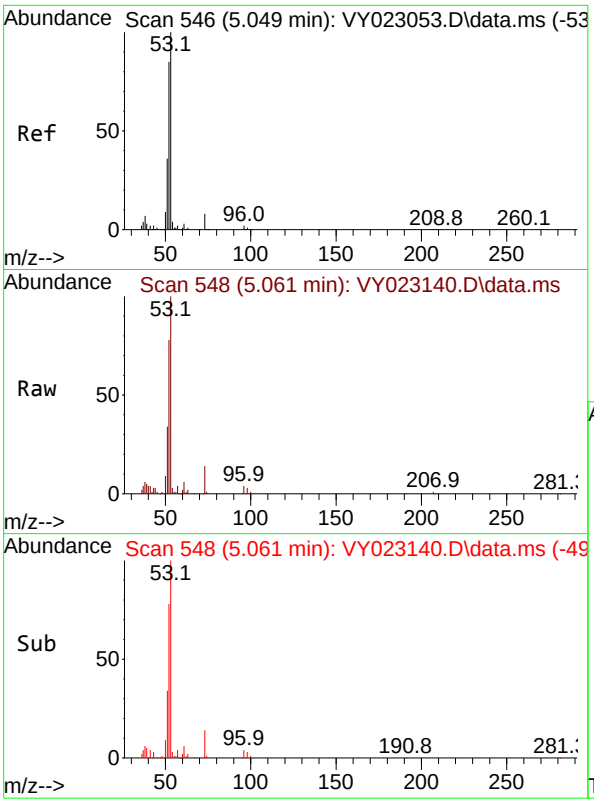


#14
Allyl chloride
Concen: 18.650 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 41 Resp: 136871

Ion	Ratio	Lower	Upper
41	100		
39	76.3	59.8	89.6
76	45.7	33.7	50.5



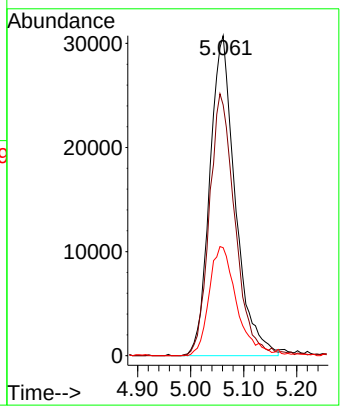


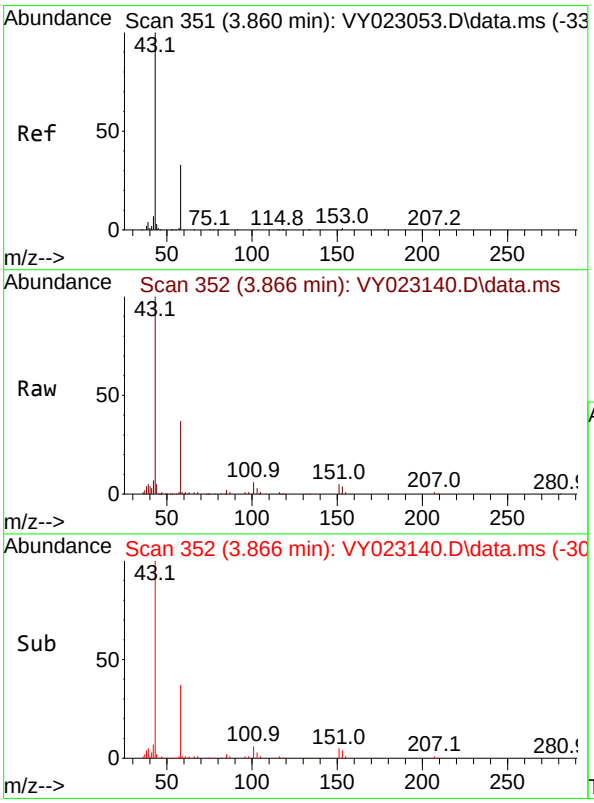
#15
Acrylonitrile
Concen: 92.765 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 53 Resp: 102624

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	36.8	29.5	44.3

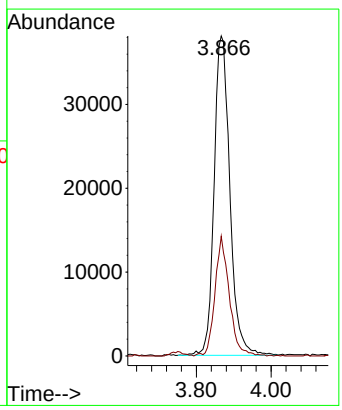


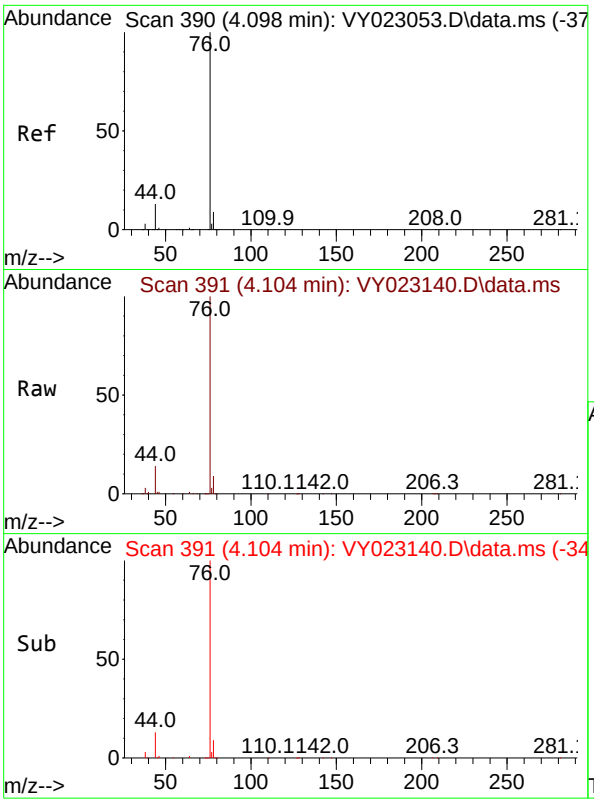


#16
Acetone
Concen: 104.365 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 111533

Ion	Ratio	Lower	Upper
43	100		
58	37.3	27.1	40.7



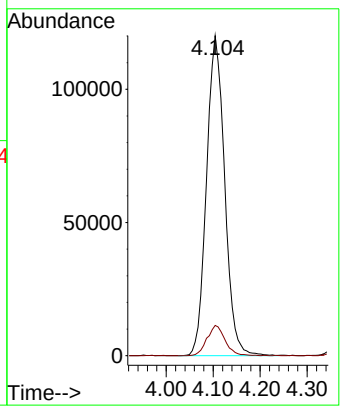


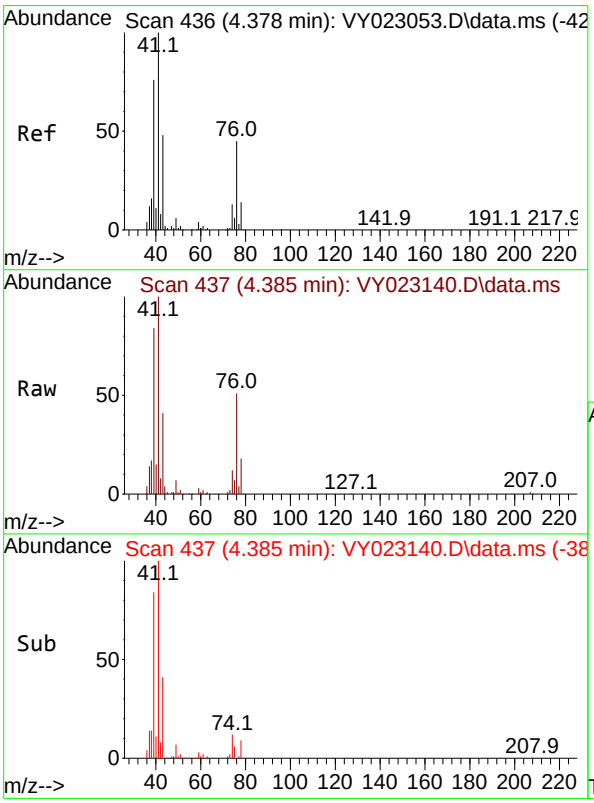
#17
Carbon Disulfide
Concen: 19.811 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 76 Resp: 322174

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

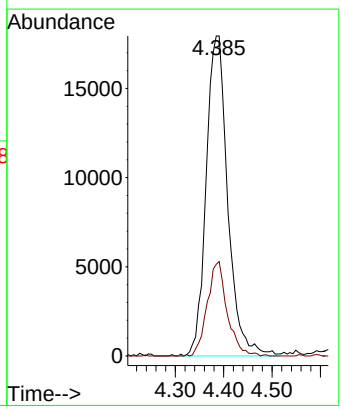


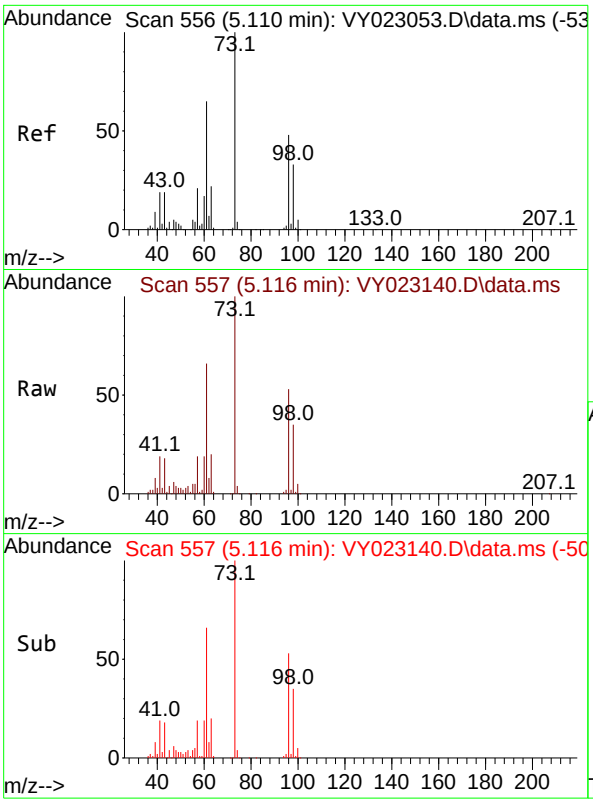


#18
Methyl Acetate
Concen: 17.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 55681

Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.2	31.8



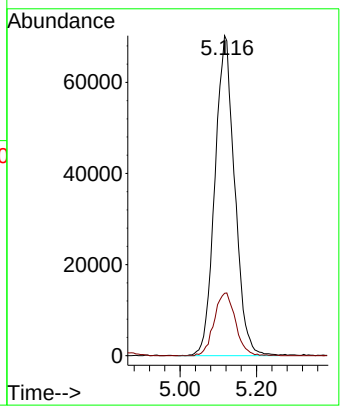


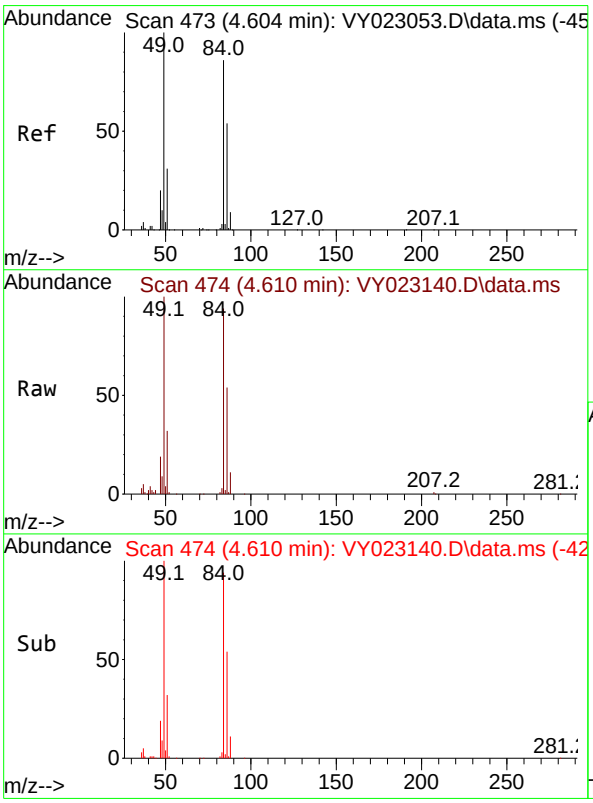
#19
Methyl tert-butyl Ether
Concen: 19.537 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 73 Resp: 252503

Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.1	25.7

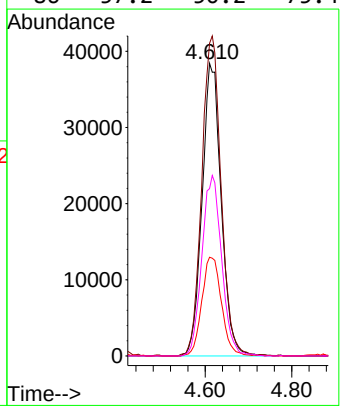


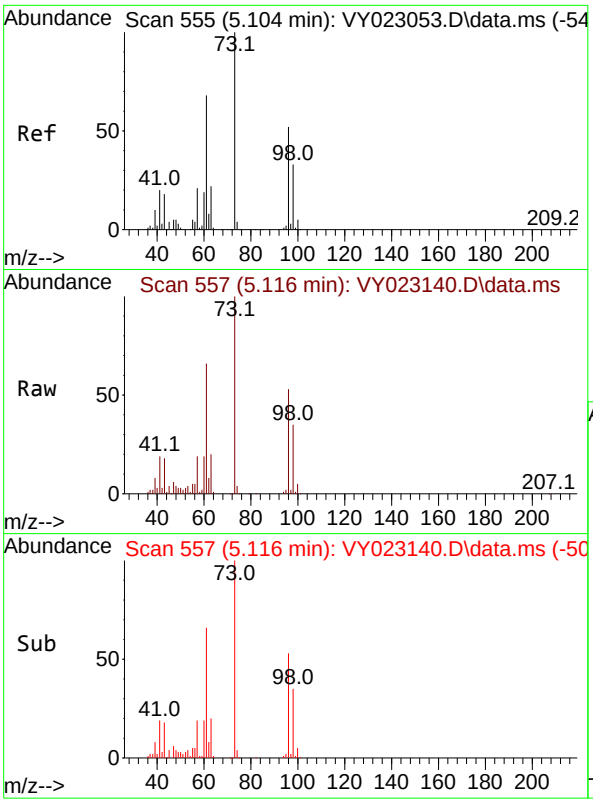


#20
Methylene Chloride
Concen: 19.585 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 84 Resp: 117942

Ion	Ratio	Lower	Upper
84	100		
49	106.8	93.0	139.6
51	33.7	29.0	43.4
86	57.2	50.2	75.4



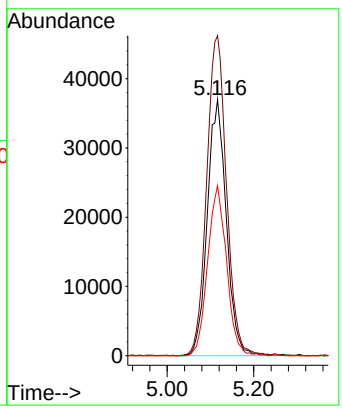


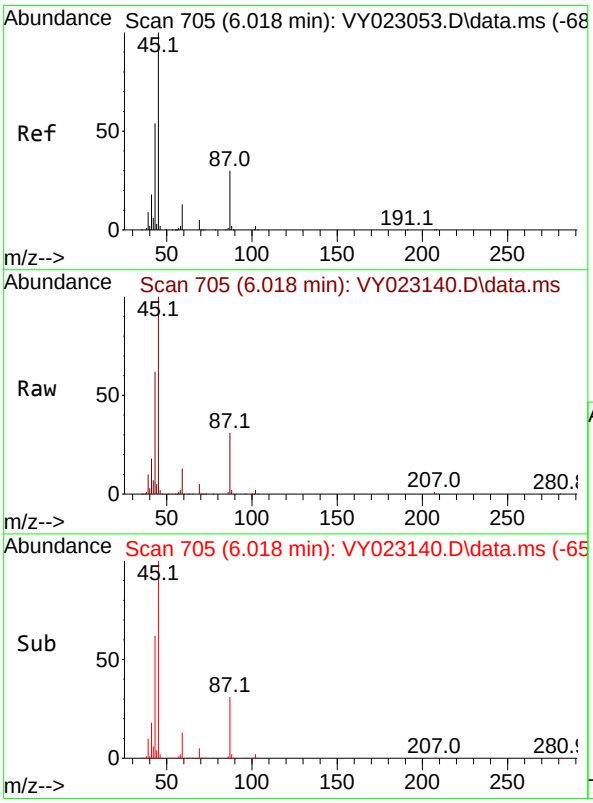
#21
trans-1,2-Dichloroethene
Concen: 20.174 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 96 Resp: 113075

Ion	Ratio	Lower	Upper
96	100		
61	124.9	104.8	157.2
98	66.4	50.1	75.1

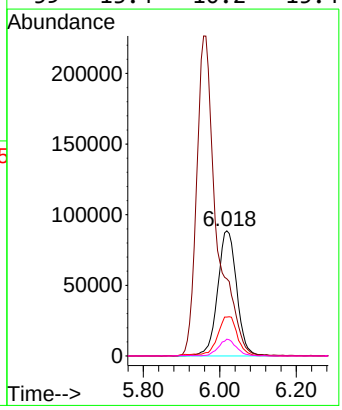


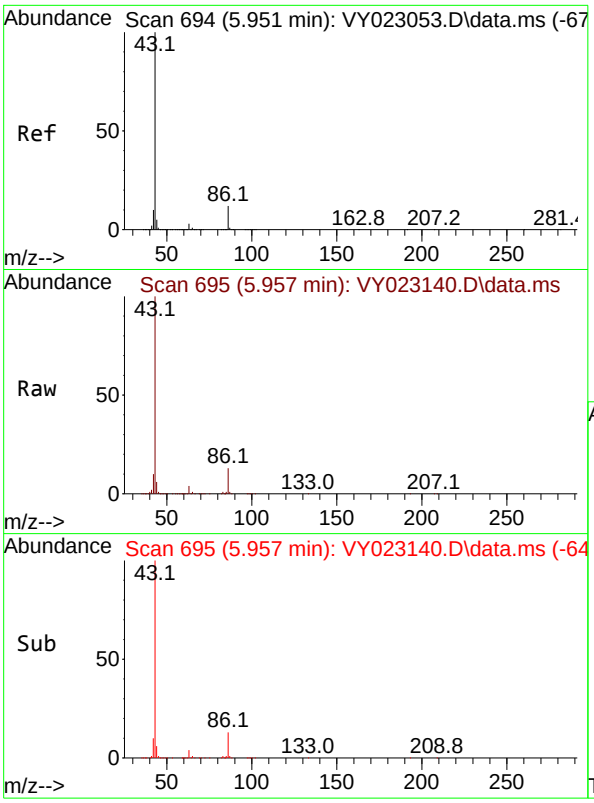


#22
Diisopropyl ether
Concen: 19.199 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 45 Resp: 306183

Ion	Ratio	Lower	Upper
45	100		
43	61.5	43.4	65.0
87	31.1	24.4	36.6
59	13.4	10.2	15.4



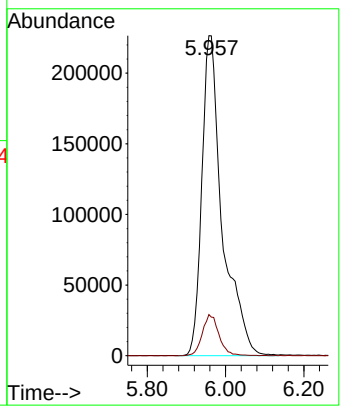


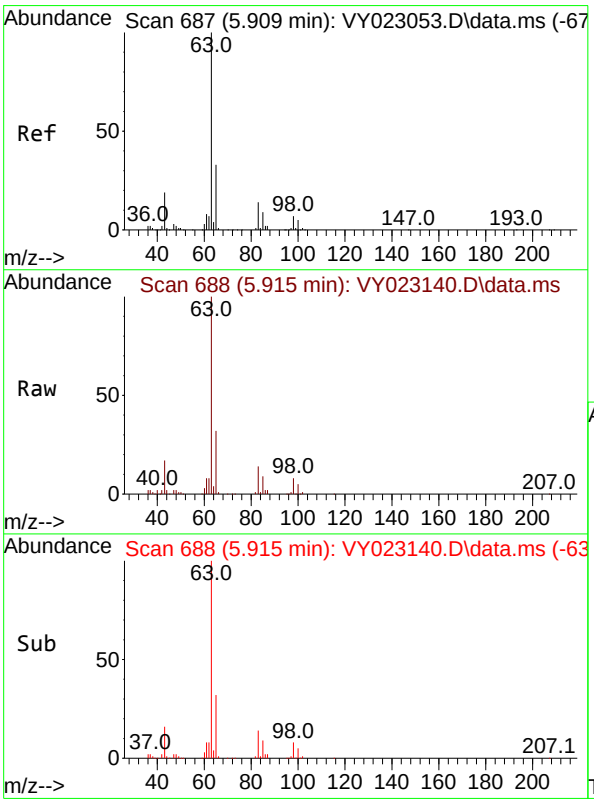
#23
Vinyl Acetate
Concen: 93.270 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 43 Resp: 822478

Ion	Ratio	Lower	Upper
43	100		
86	12.9	9.6	14.4

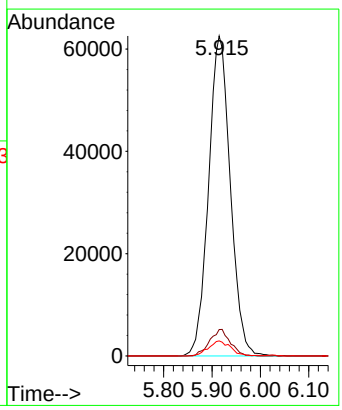


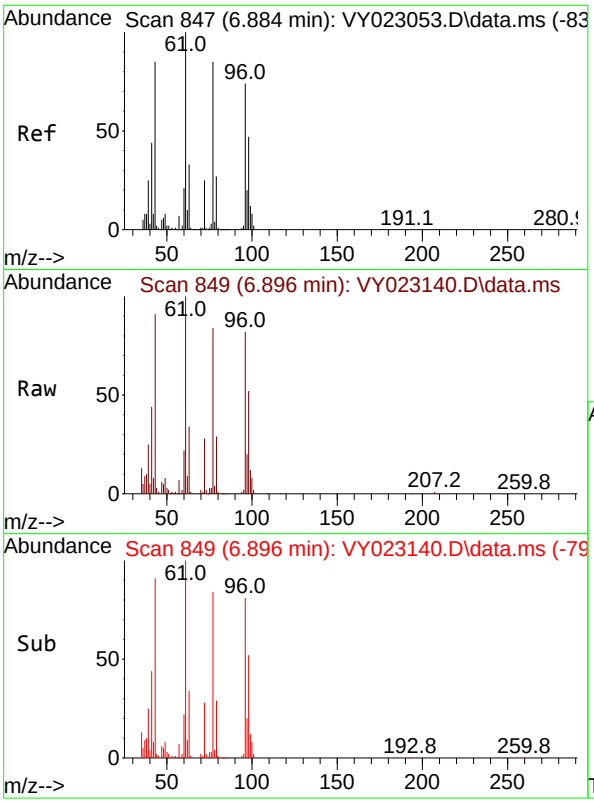


#24
1,1-Dichloroethane
Concen: 20.037 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 63 Resp: 195367

Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.5	10.6
100	4.7	2.4	7.1



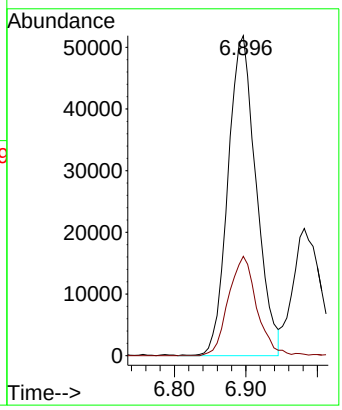


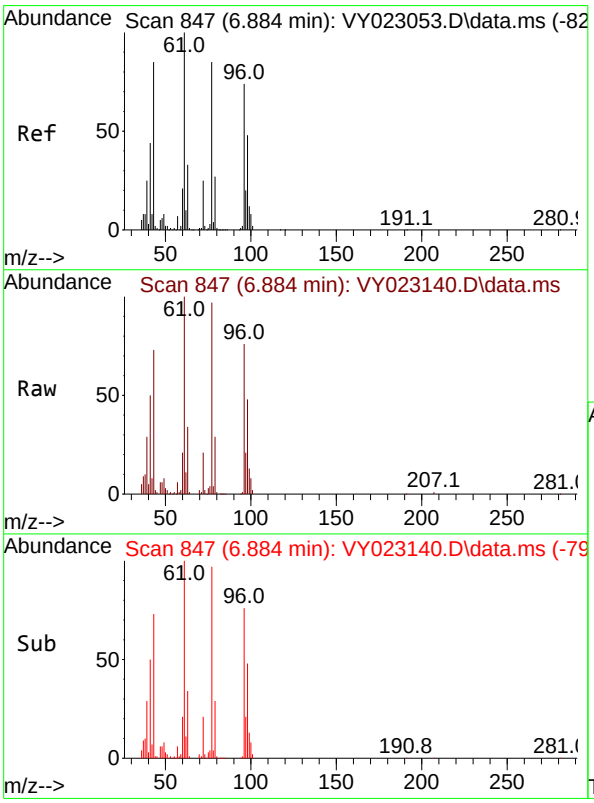
#25
2-Butanone
Concen: 97.745 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 43 Resp: 142067

Ion	Ratio	Lower	Upper
43	100		
72	31.1	23.5	35.3

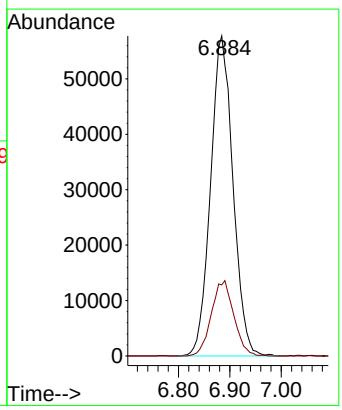


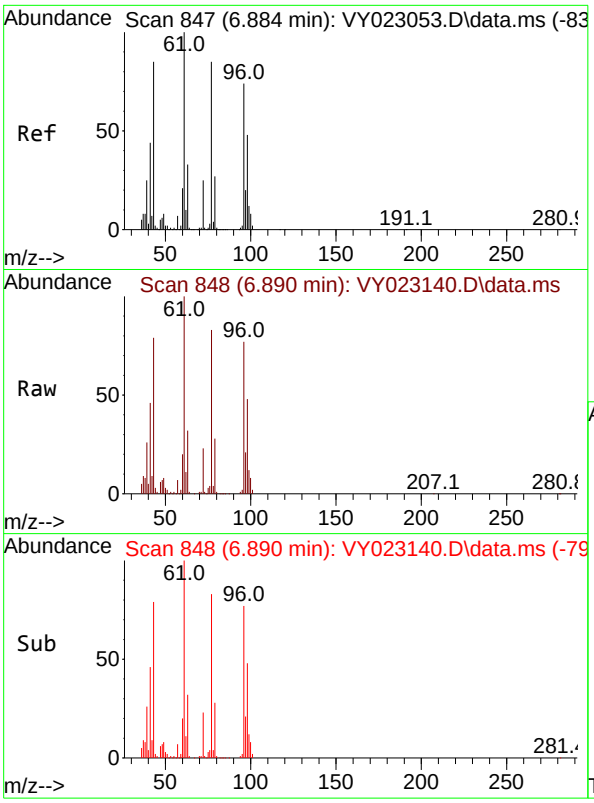


#26
2,2-Dichloropropane
Concen: 20.792 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 77 Resp: 174925

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.6	34.8



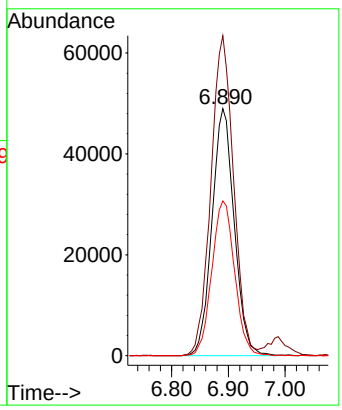


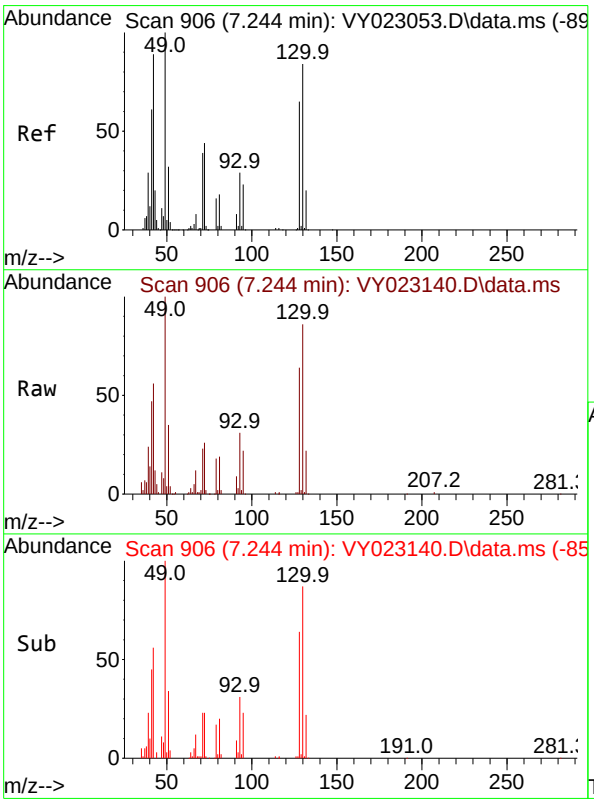
#27
cis-1,2-Dichloroethene
Concen: 20.583 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 96 Resp: 133374

Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	278.6
98	64.2	0.0	130.4

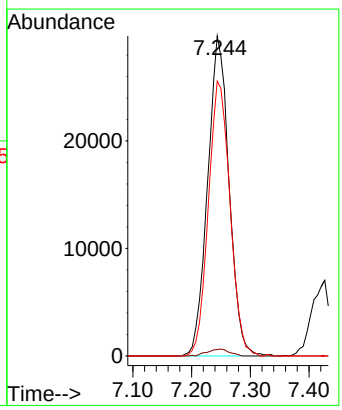


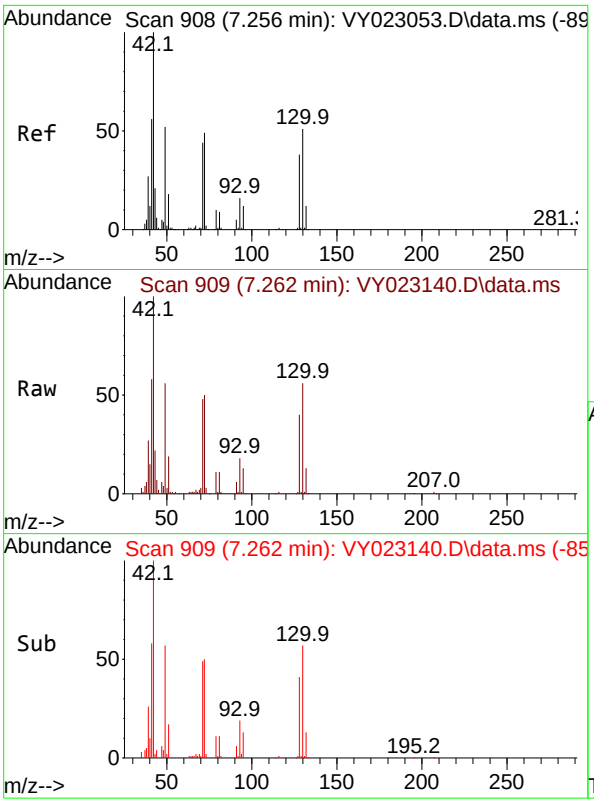


#28
Bromochloromethane
Concen: 19.493 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 49 Resp: 75405

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.7	66.4	99.6



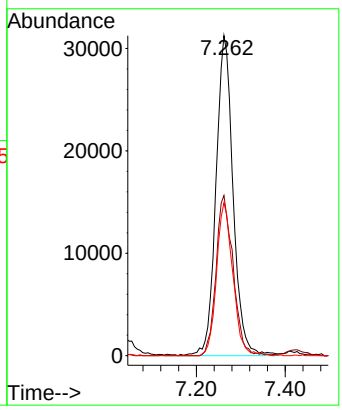


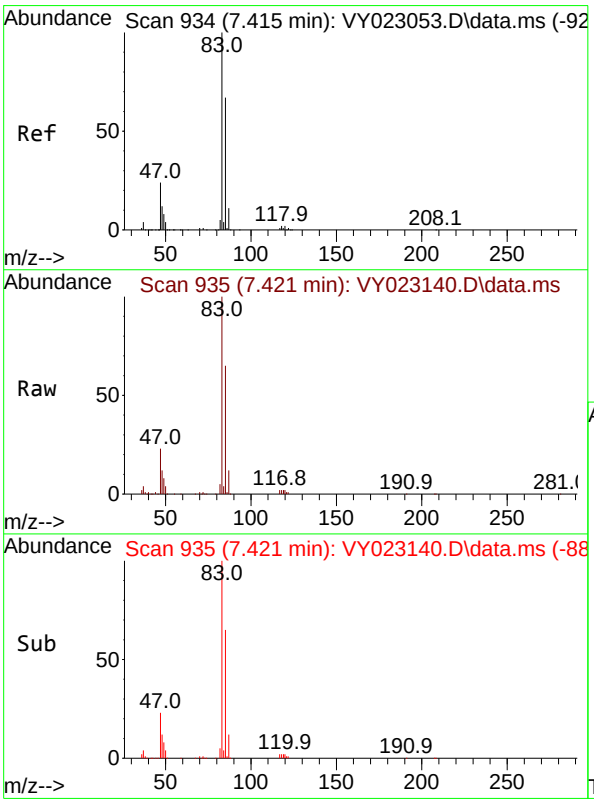
#29
Tetrahydrofuran
Concen: 92.691 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 42 Resp: 83508

Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.4	59.2
71	45.5	36.5	54.7

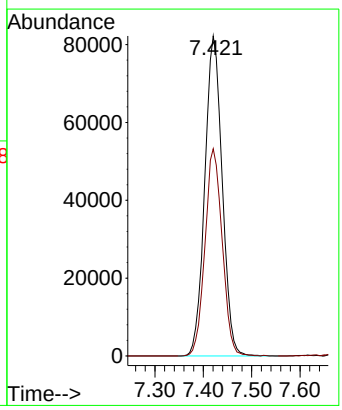


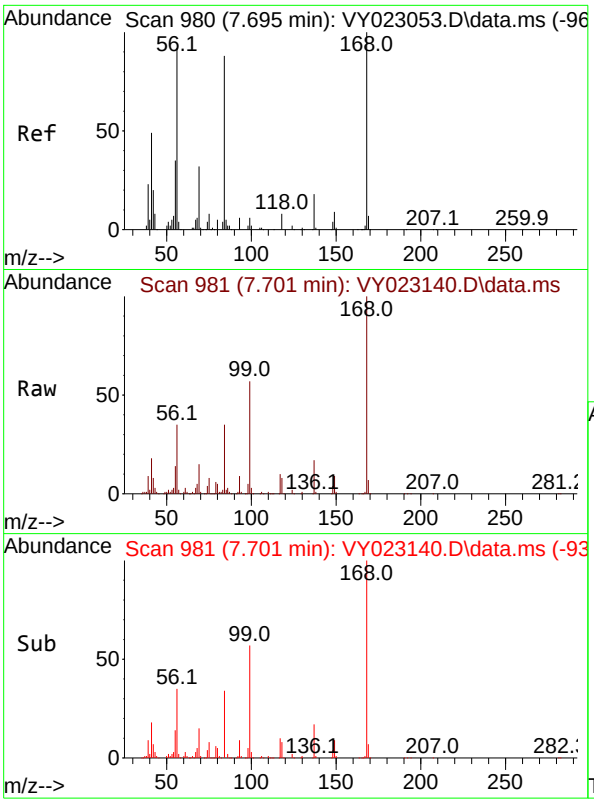


#30
Chloroform
Concen: 20.444 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 83 Resp: 205577

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8



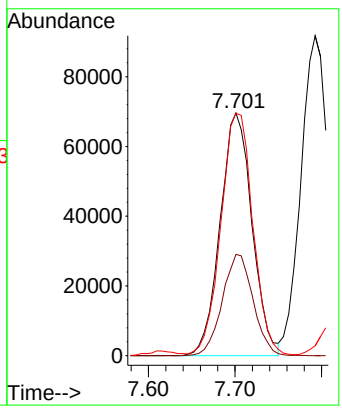


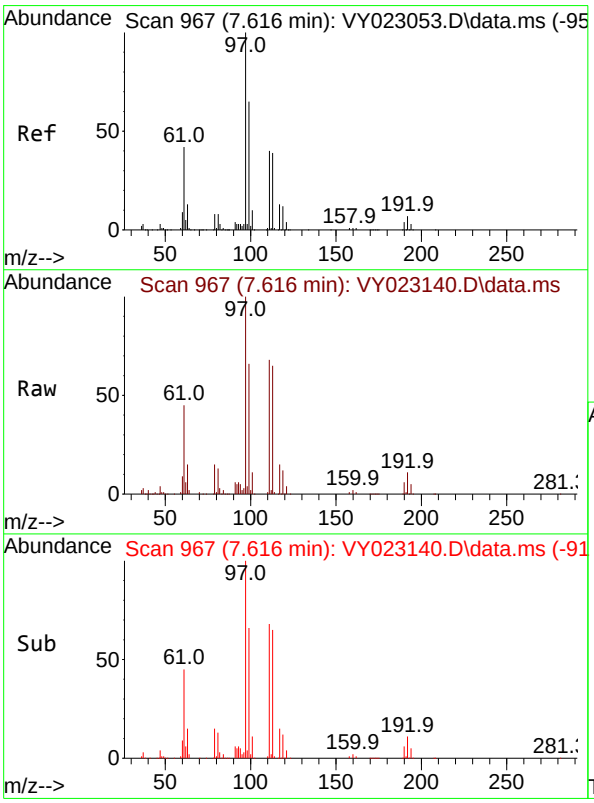
#31
Cyclohexane
Concen: 19.364 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 56 Resp: 177913

Ion	Ratio	Lower	Upper
56	100		
69	41.7	28.2	42.2
84	99.0	76.6	114.8

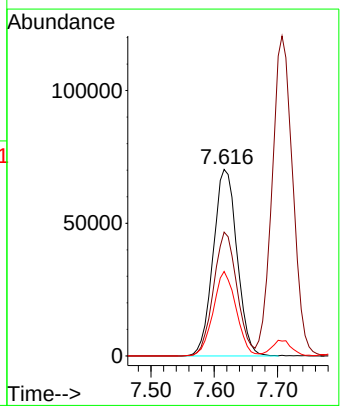


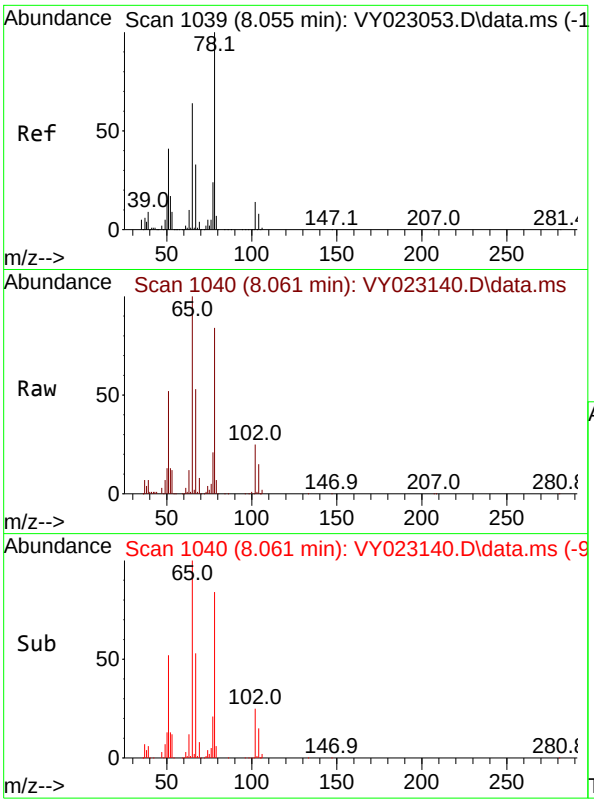


#32
1,1,1-Trichloroethane
Concen: 20.600 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 97 Resp: 183801

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.6	77.4
61	43.6	34.2	51.2



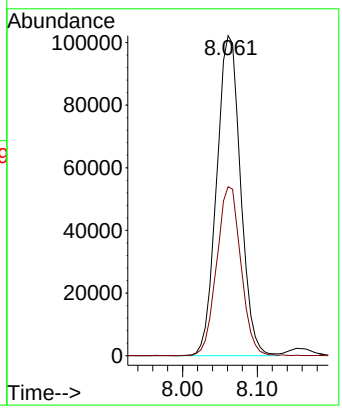


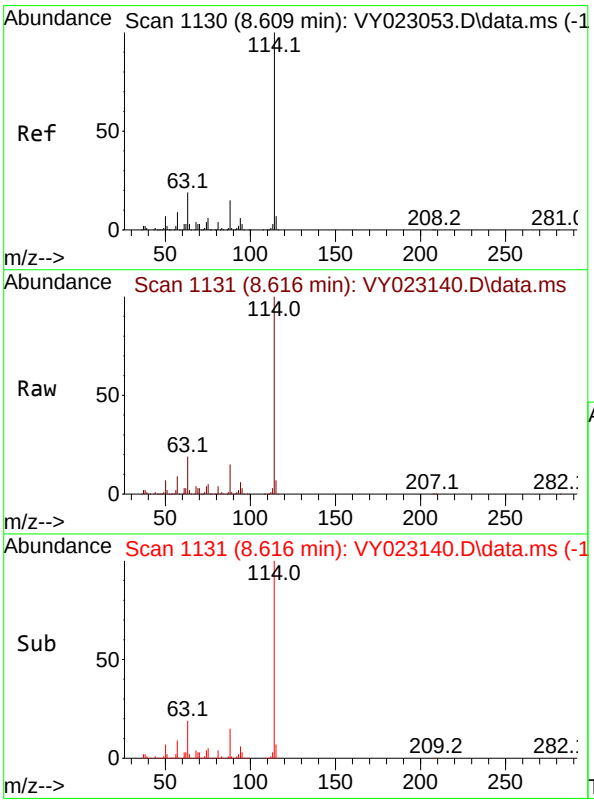
#33
1,2-Dichloroethane-d4
Concen: 46.083 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 65 Resp: 227323

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8

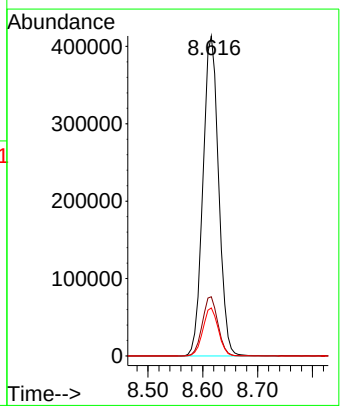


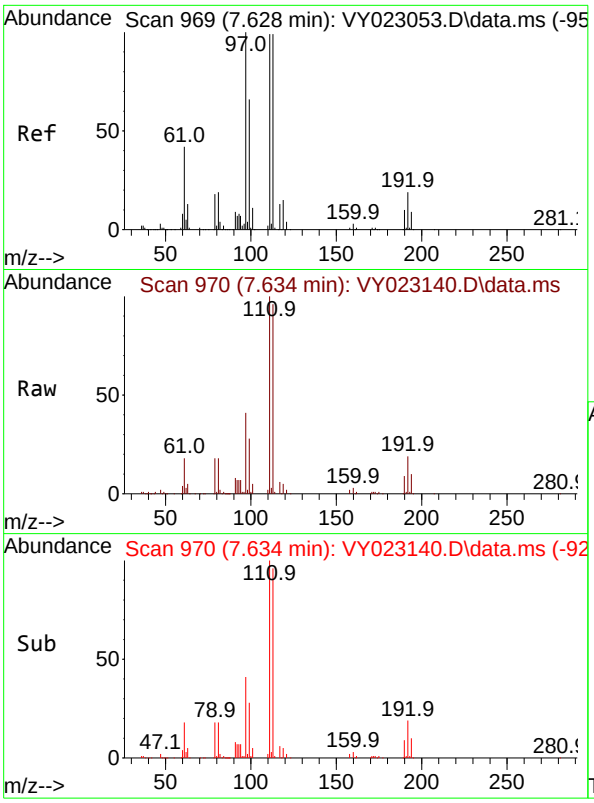


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:114 Resp: 818799

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	15.0	0.0	30.0



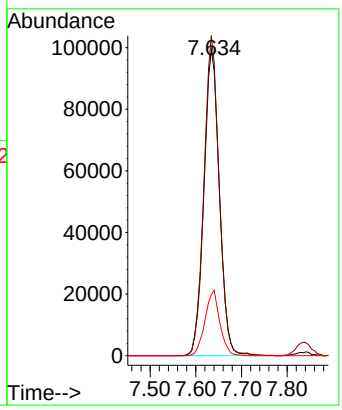


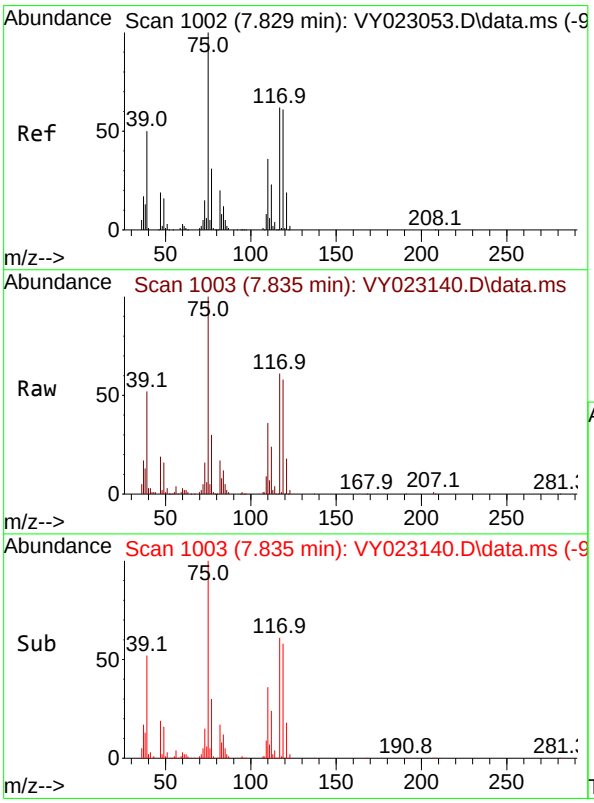
#35
Dibromofluoromethane
Concen: 47.586 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:113 Resp: 233145

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.1	121.7
192	20.5	16.2	24.4

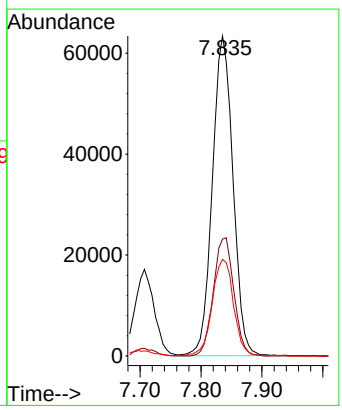


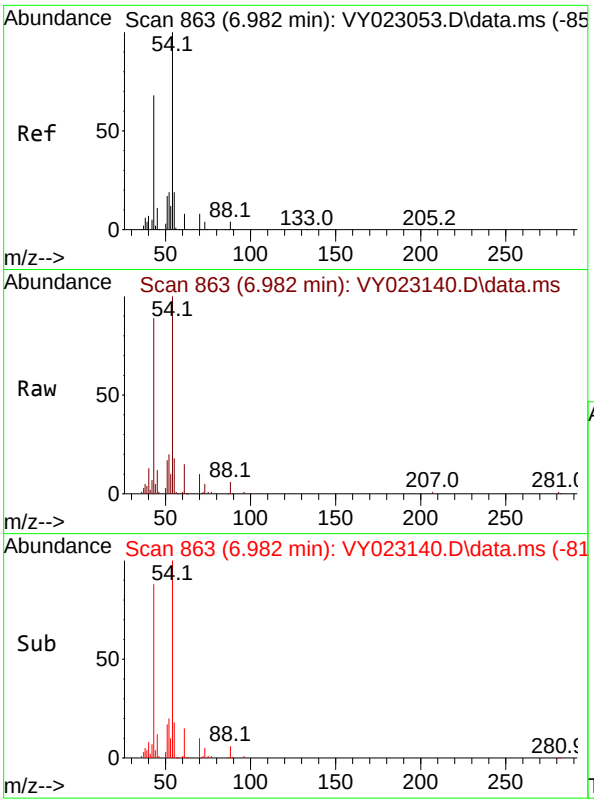


#36
1,1-Dichloropropene
Concen: 20.451 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 148907

Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.4
77	31.4	24.6	37.0



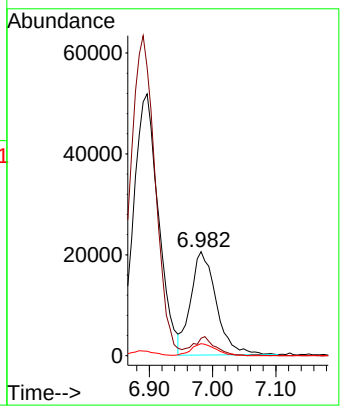


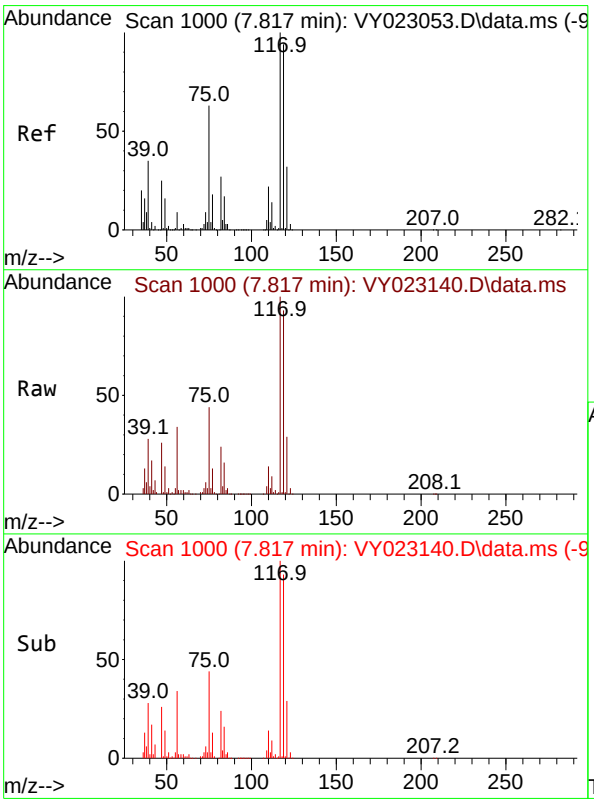
#37
Ethyl Acetate
Concen: 18.798 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 43 Resp: 57496

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.9	17.9
70	11.3	8.8	13.2

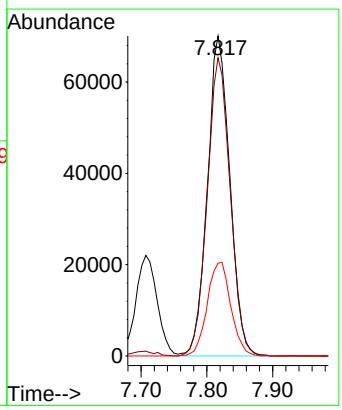


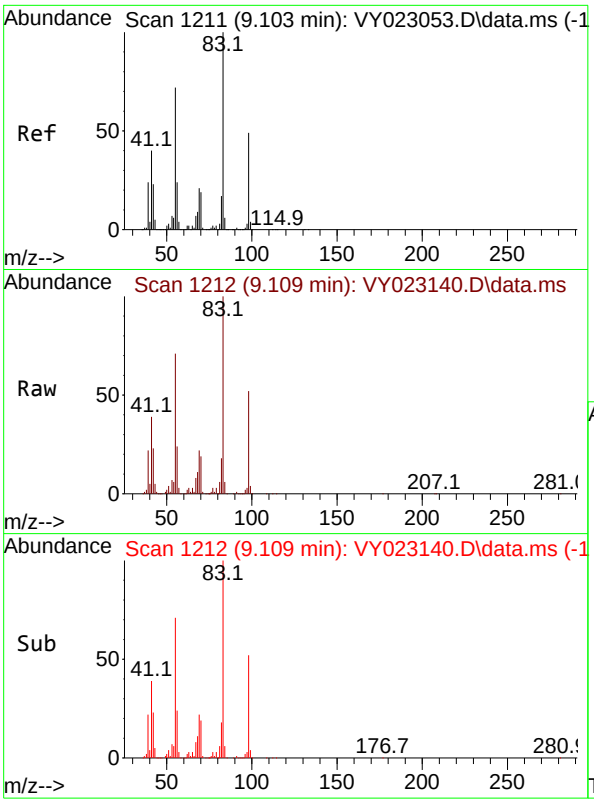


#38
Carbon Tetrachloride
Concen: 21.055 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:117 Resp: 166508

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.6	113.4
121	29.0	25.8	38.8



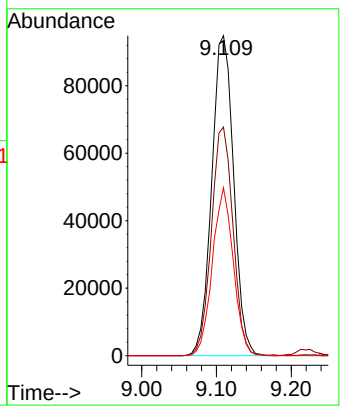


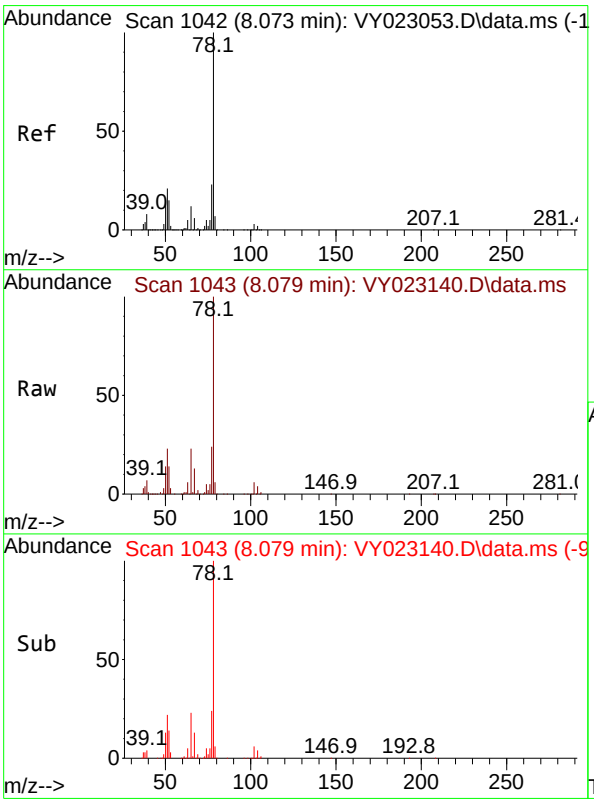
#39
Methylcyclohexane
Concen: 20.160 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 83 Resp: 193301

Ion	Ratio	Lower	Upper
83	100		
55	71.5	57.6	86.4
98	52.5	39.2	58.8

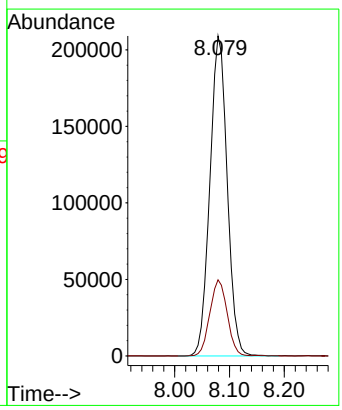


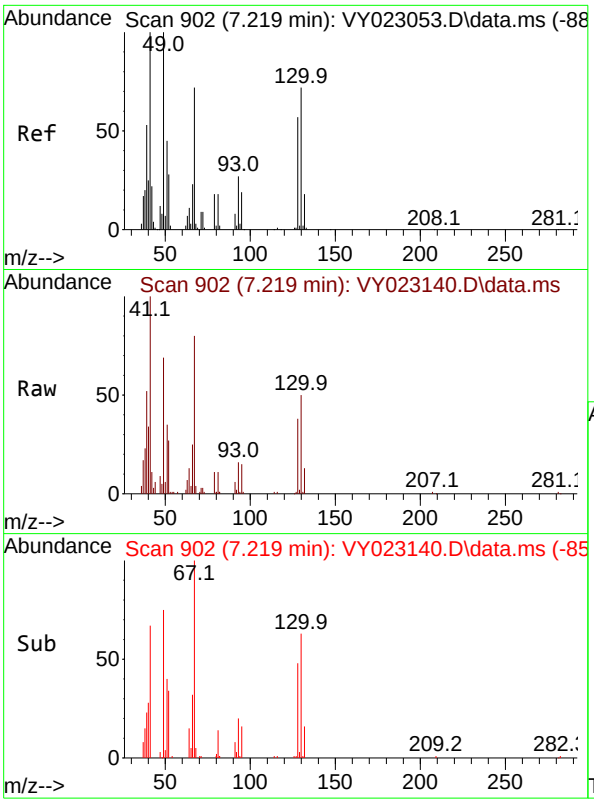


#40
Benzene
Concen: 20.413 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 78 Resp: 458105

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0



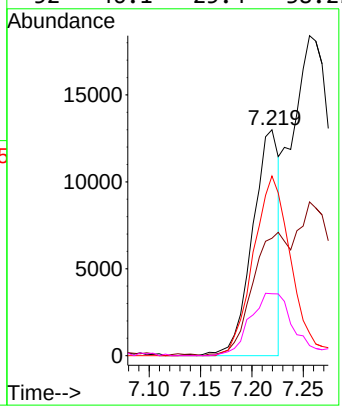


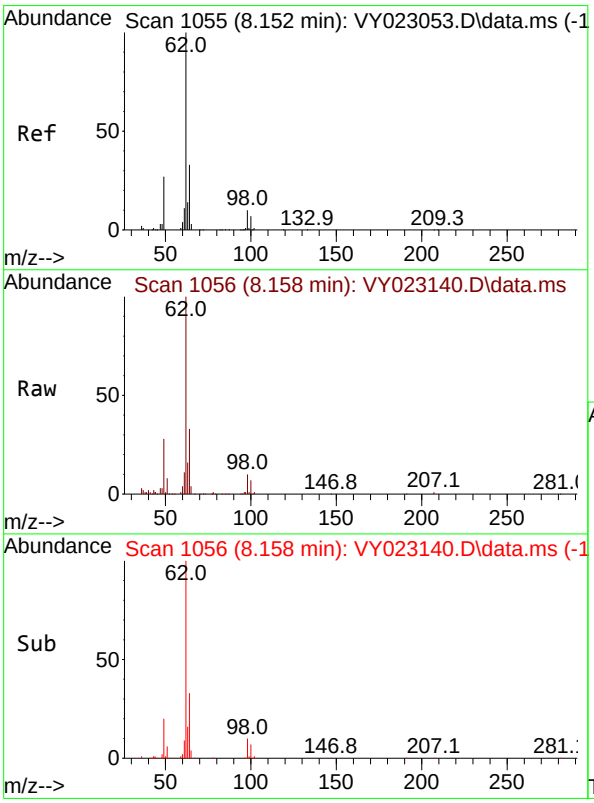
#41
Methacrylonitrile
Concen: 13.230 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 41 Resp: 23353

Ion	Ratio	Lower	Upper
41	100		
39	76.4	43.4	65.2#
67	114.1	63.6	95.4#
52	46.1	25.4	38.2#

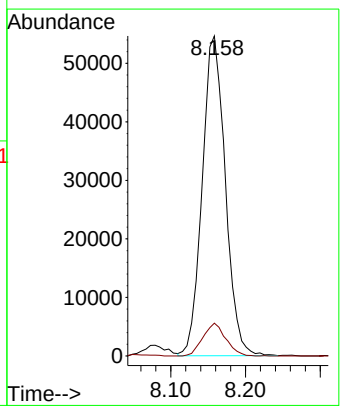


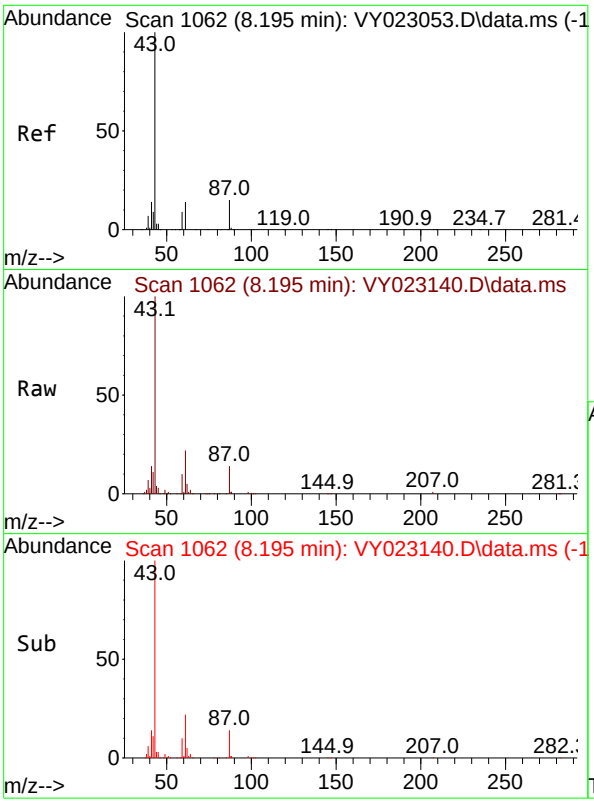


#42
1,2-Dichloroethane
Concen: 20.140 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 62 Resp: 117549

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



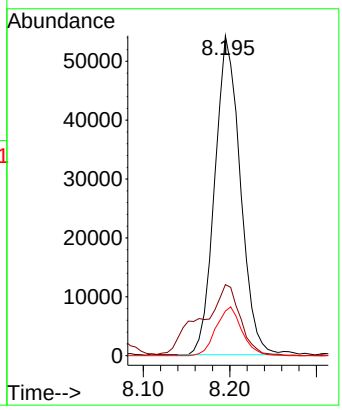


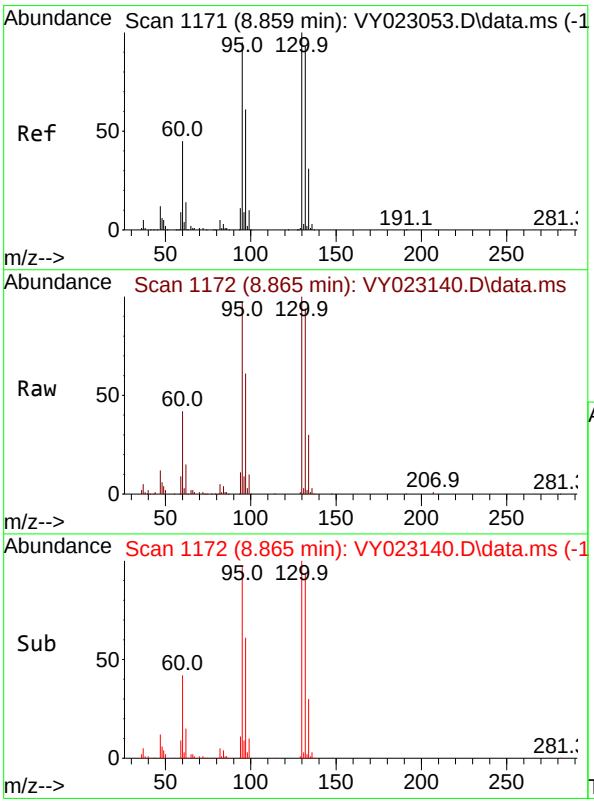
#43
Isopropyl Acetate
Concen: 17.933 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 43 Resp: 110864

Ion	Ratio	Lower	Upper
43	100		
61	34.4	16.4	24.6#
87	15.5	11.8	17.6

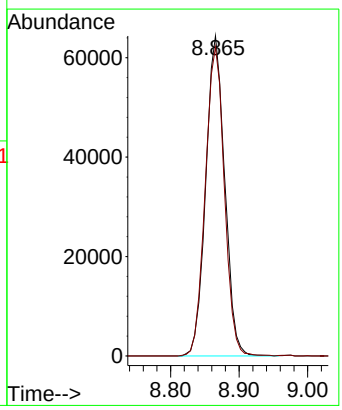


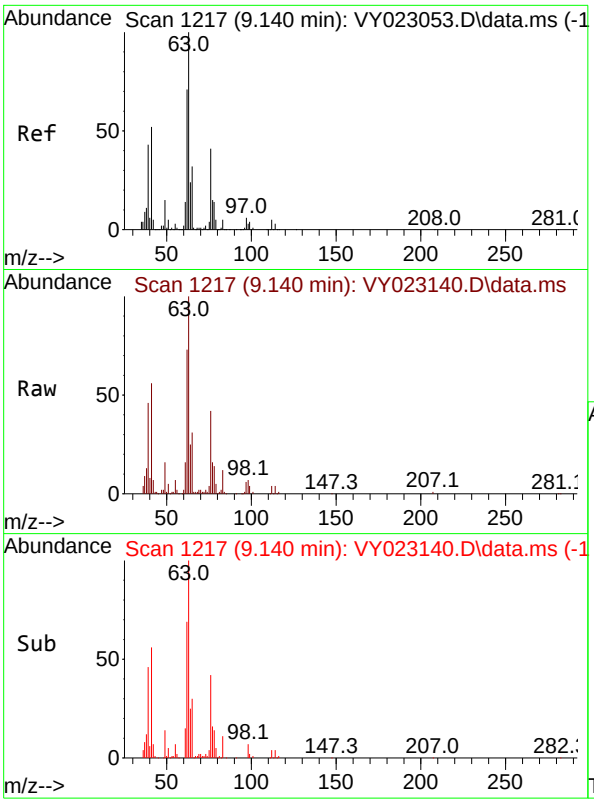


#44
Trichloroethene
Concen: 21.356 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:130 Resp: 123853

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	190.2



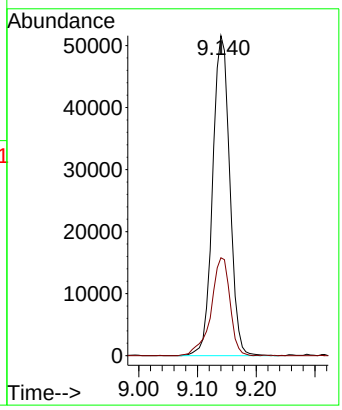


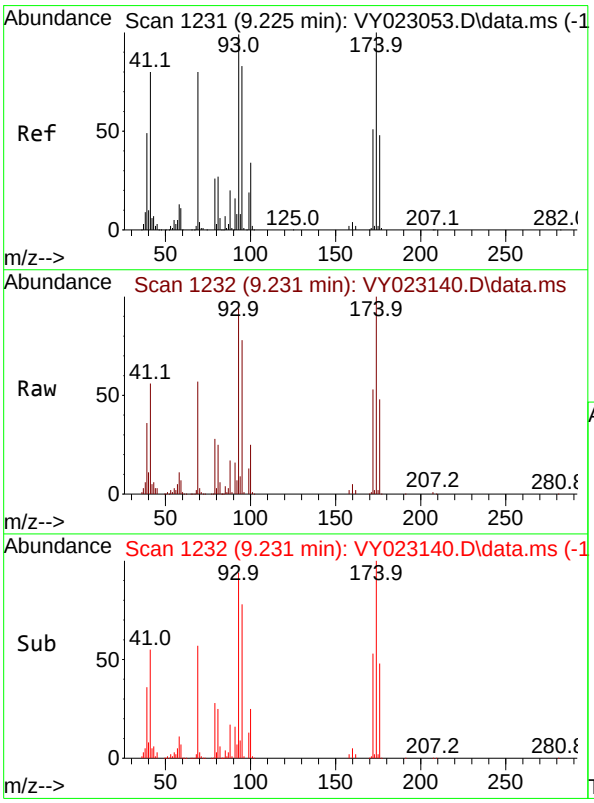
#45
1,2-Dichloropropane
Concen: 20.167 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 63 Resp: 104138

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.3	37.9

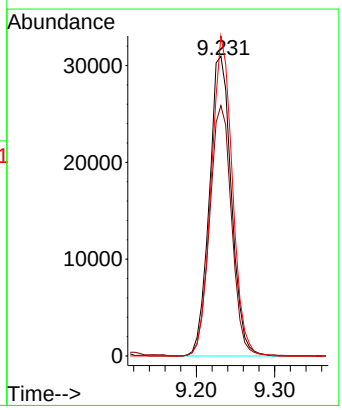


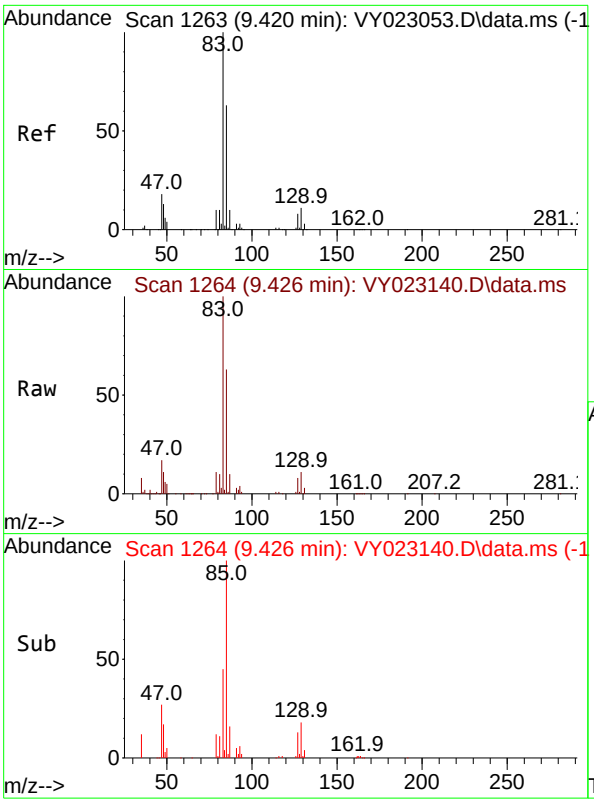


#46
Dibromomethane
Concen: 20.476 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 93 Resp: 60685

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.5	99.7
174	102.2	81.8	122.8



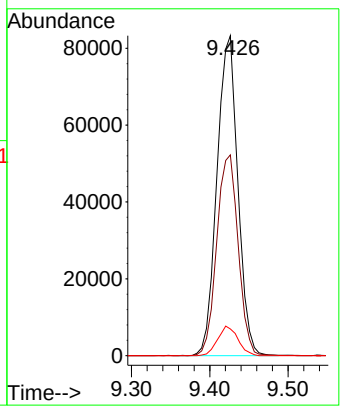


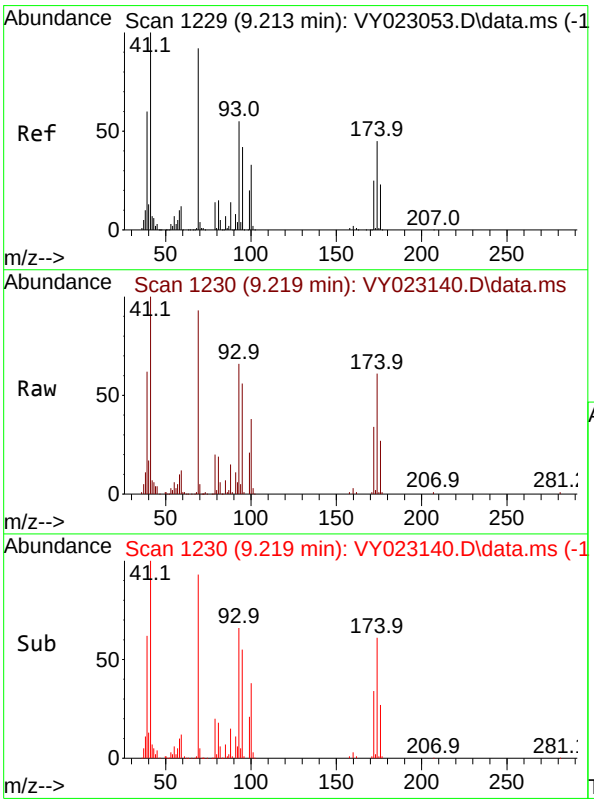
#47
Bromodichloromethane
Concen: 20.232 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 83 Resp: 154294

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.4
127	8.3	6.6	10.0

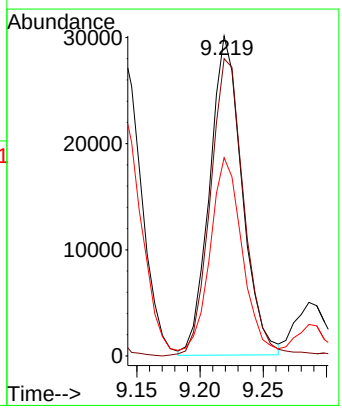


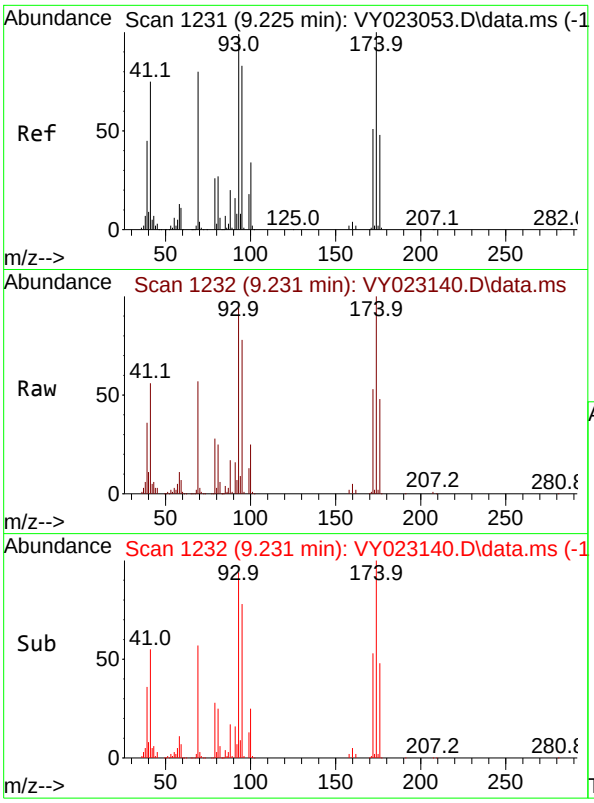


#48
Methyl methacrylate
Concen: 18.158 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 41 Resp: 53715

Ion	Ratio	Lower	Upper
41	100		
69	97.3	73.2	109.8
39	58.5	47.0	70.4



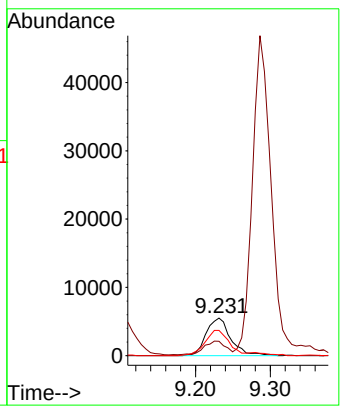


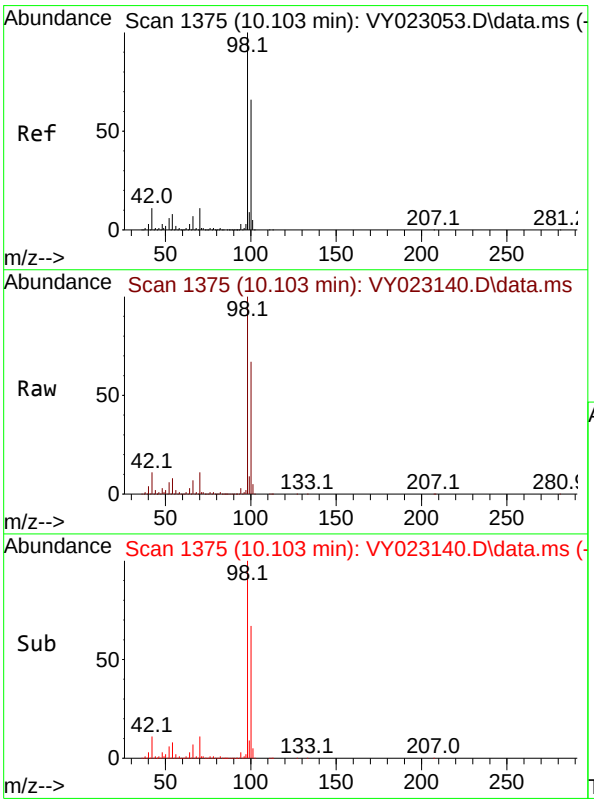
#49
1,4-Dioxane
Concen: 363.816 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 88 Resp: 12643

Ion	Ratio	Lower	Upper
88	100		
43	32.0	24.3	36.5
58	65.8	55.4	83.0

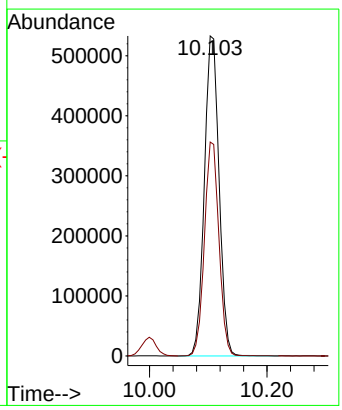


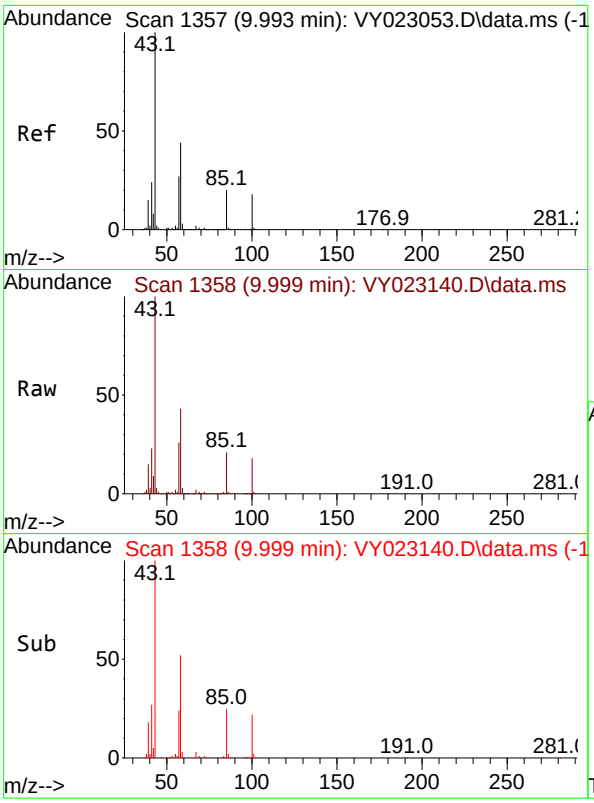


#50
Toluene-d8
Concen: 48.447 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 98 Resp: 927285

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5



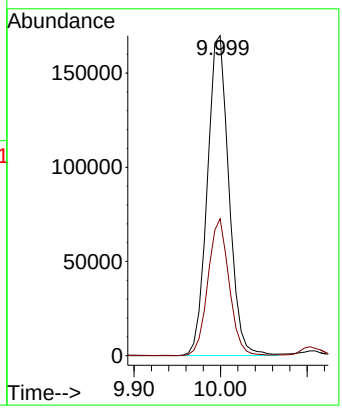


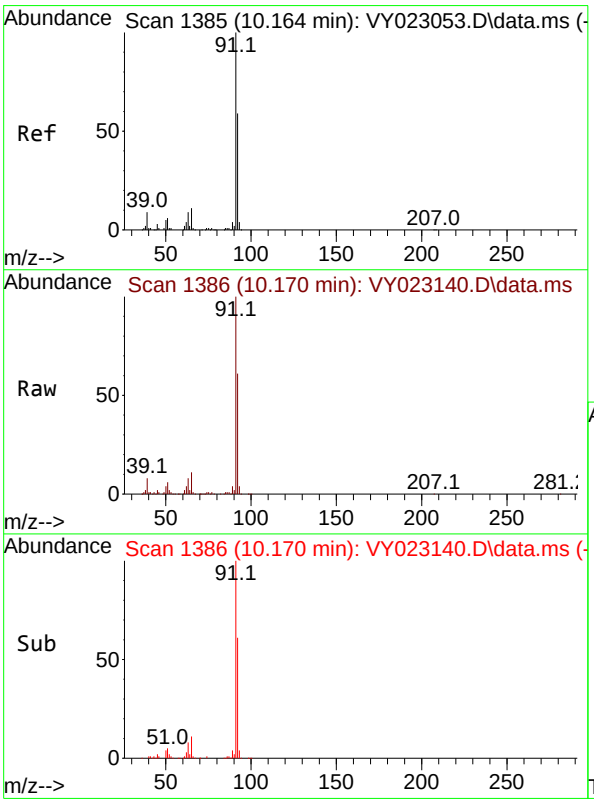
#51
4-Methyl-2-Pentanone
Concen: 92.052 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 43 Resp: 293540

Ion	Ratio	Lower	Upper
43	100		
58	42.1	33.5	50.3

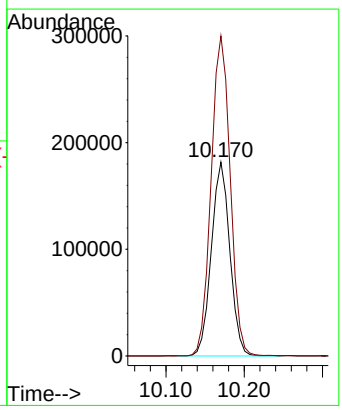


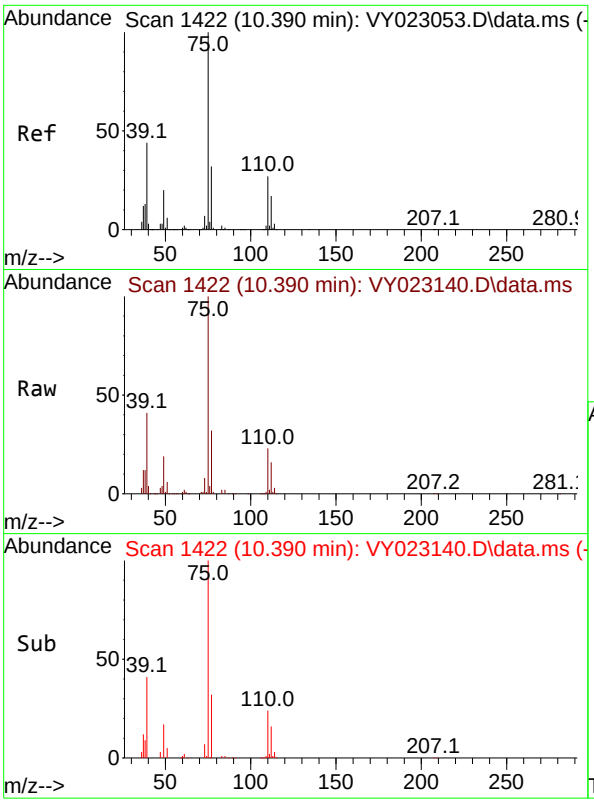


#52
Toluene
Concen: 20.876 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 92 Resp: 297560

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.4	204.6



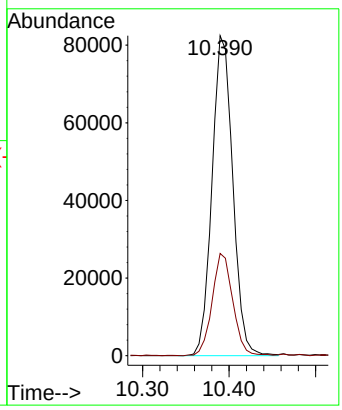


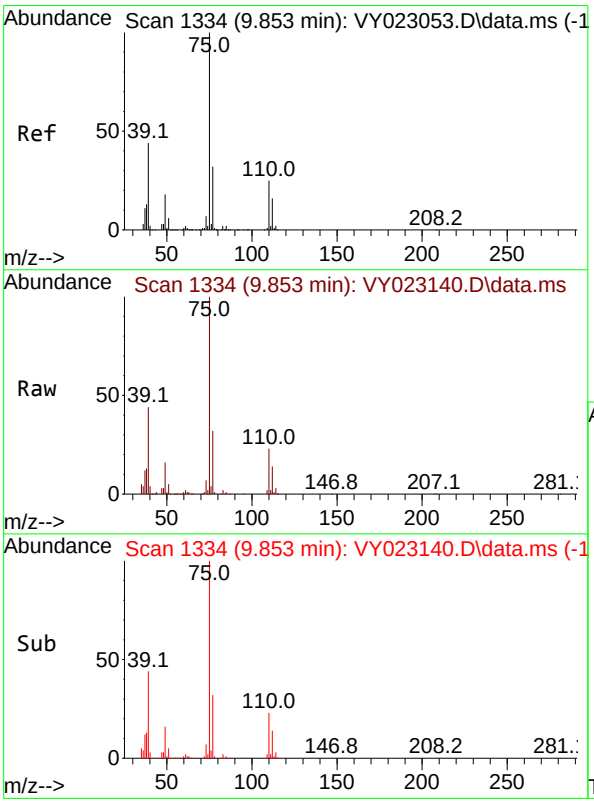
#53
t-1,3-Dichloropropene
Concen: 19.881 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 75 Resp: 137297

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5

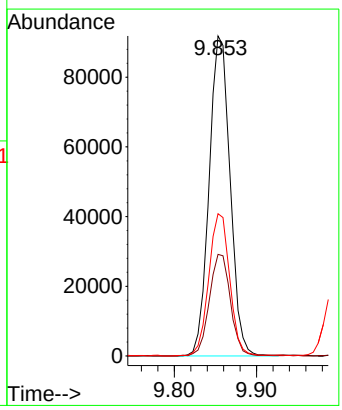


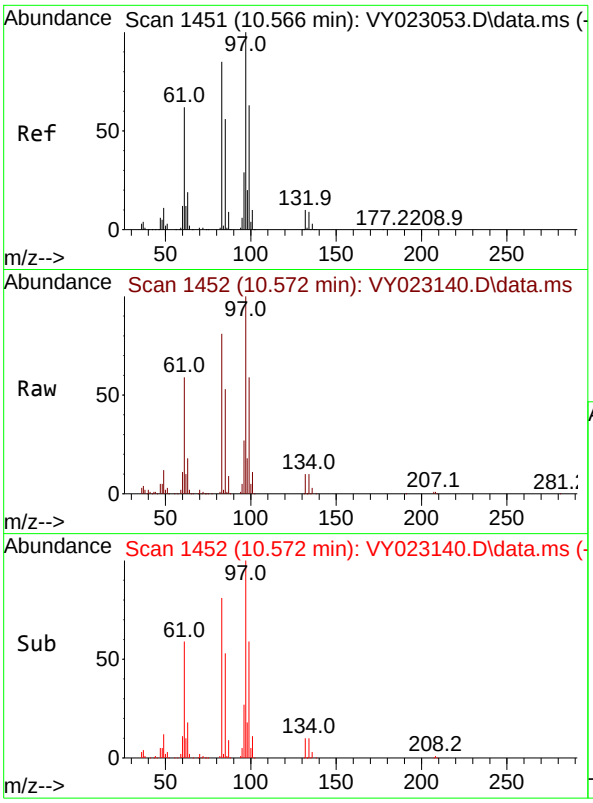


#54
cis-1,3-Dichloropropene
Concen: 19.944 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 162867

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	44.3	35.6	53.4



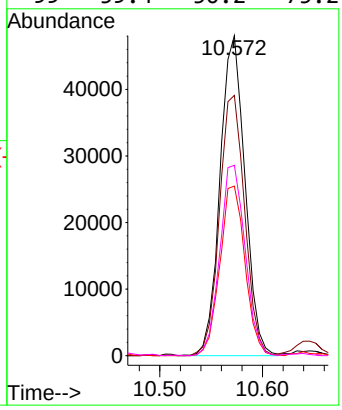


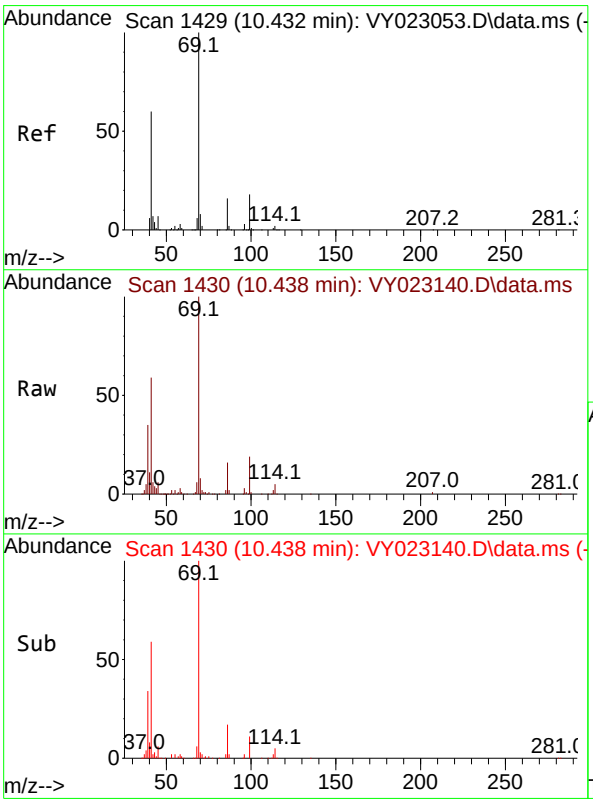
#55
1,1,2-Trichloroethane
Concen: 20.362 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 97 Resp: 80753

Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.7	101.5
85	53.0	44.5	66.7
99	59.4	50.2	75.2

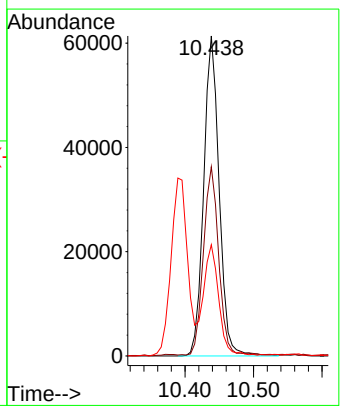


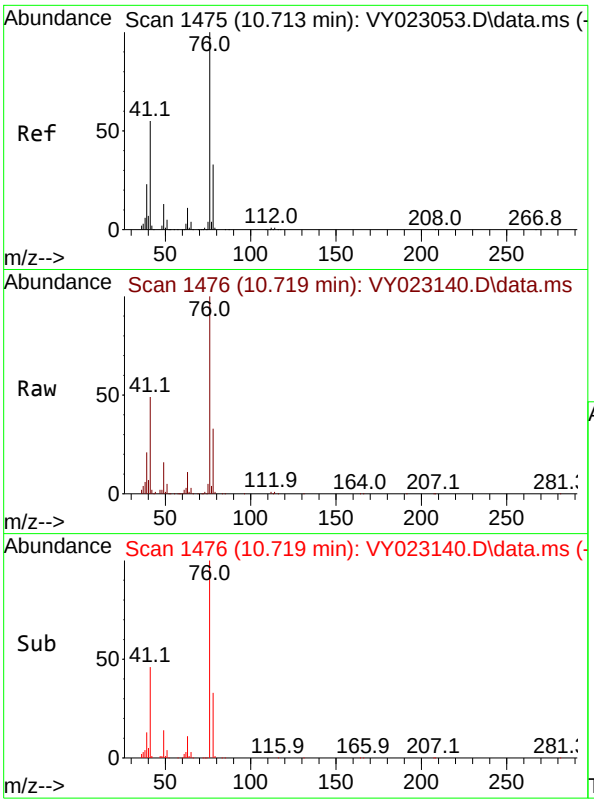


#56
Ethyl methacrylate
Concen: 18.994 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 69 Resp: 96390

Ion	Ratio	Lower	Upper
69	100		
41	57.5	48.6	72.8
39	34.4	27.0	40.4



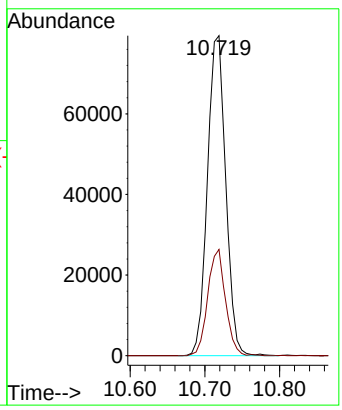


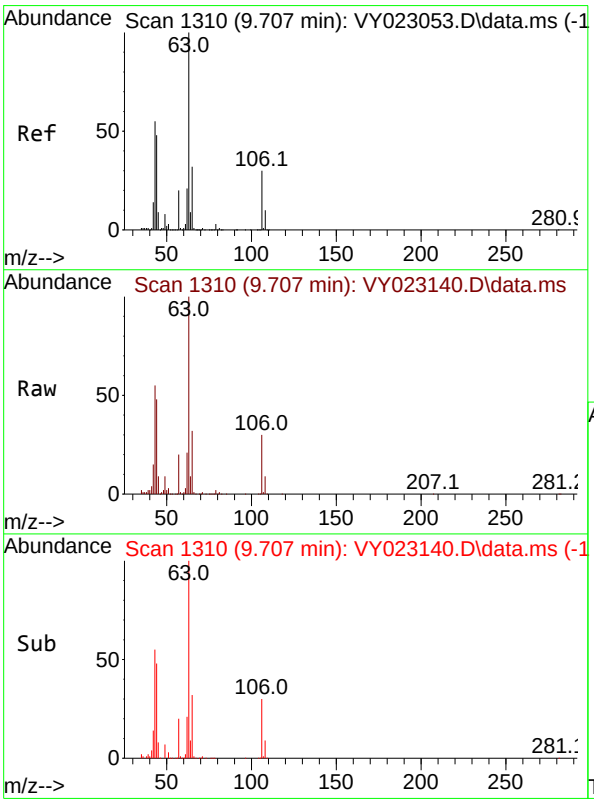
#57
1,3-Dichloropropane
Concen: 20.062 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 76 Resp: 134934

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

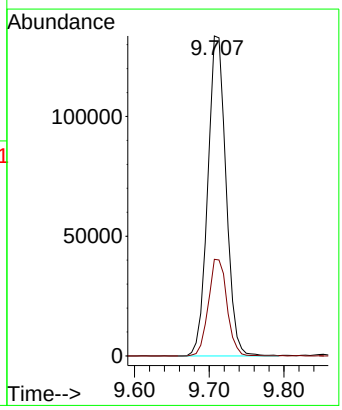


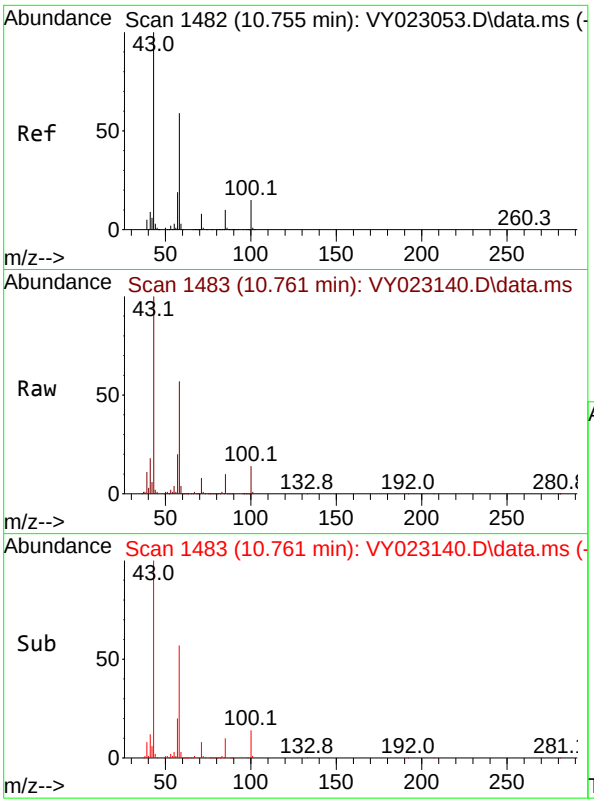


#58
2-Chloroethyl Vinyl ether
Concen: 94.830 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 63 Resp: 226996

Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.2	34.8



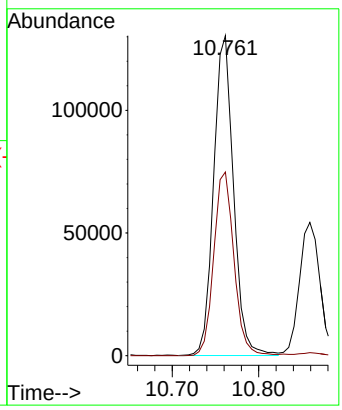


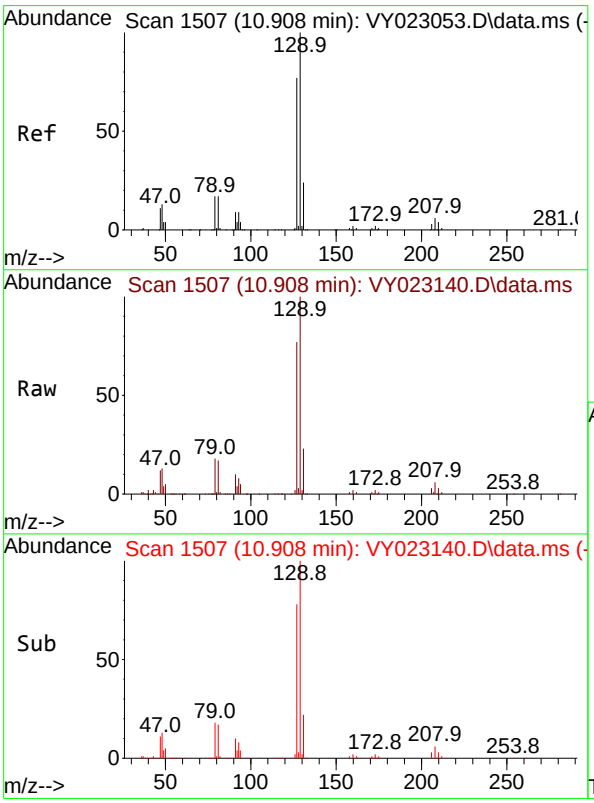
#59
2-Hexanone
Concen: 95.694 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 43 Resp: 207790

Ion	Ratio	Lower	Upper
43	100		
58	58.4	29.5	88.5

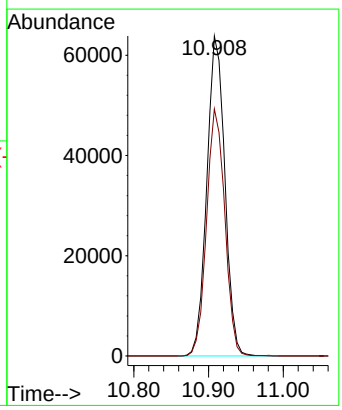


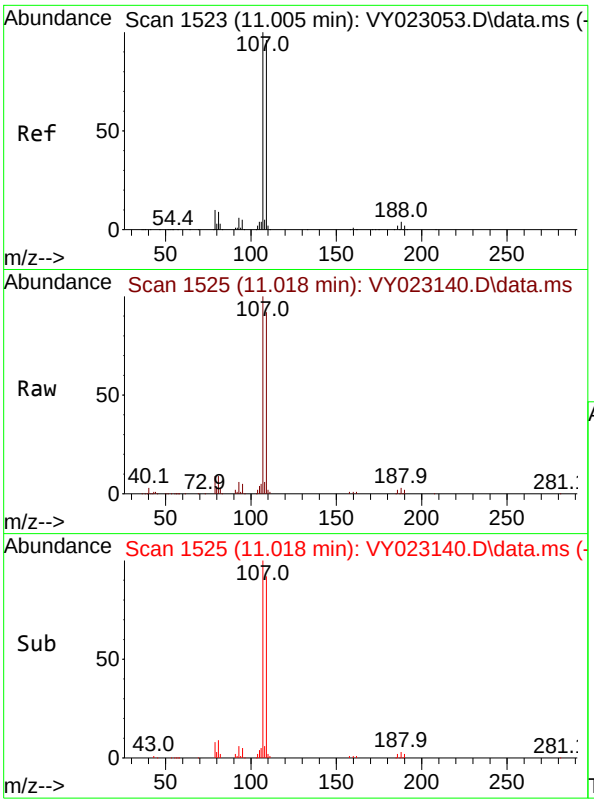


#60
Dibromochloromethane
Concen: 20.438 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:129 Resp: 106952

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



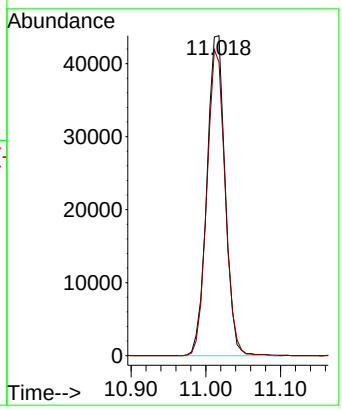


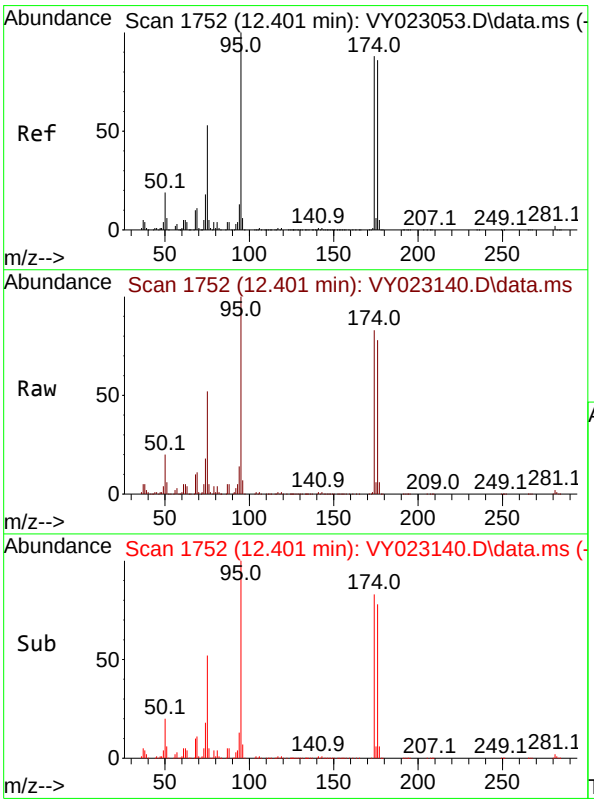
#61
1,2-Dibromoethane
Concen: 20.016 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:107 Resp: 74607

Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.6	113.4

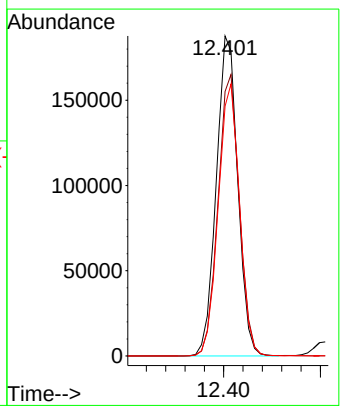


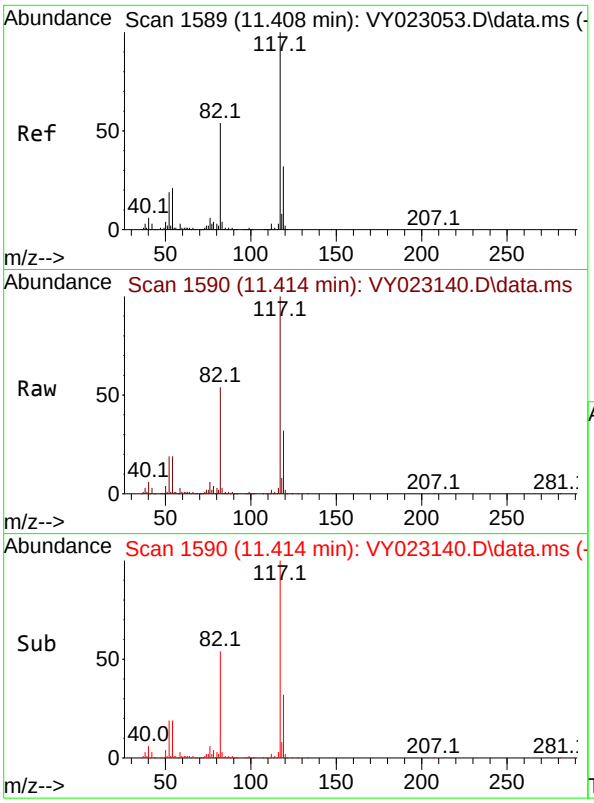


#62
4-Bromofluorobenzene
Concen: 46.799 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 95 Resp: 288067

Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	171.6
176	84.6	0.0	167.6



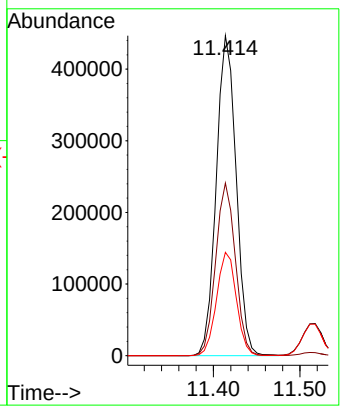


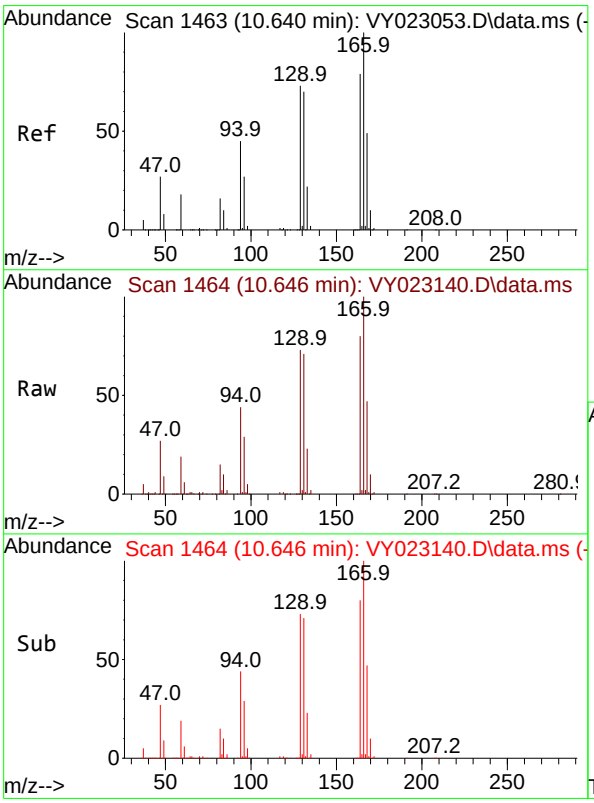
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:117 Resp: 712593

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	32.3	25.6	38.4

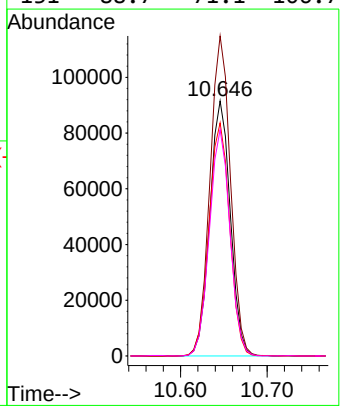


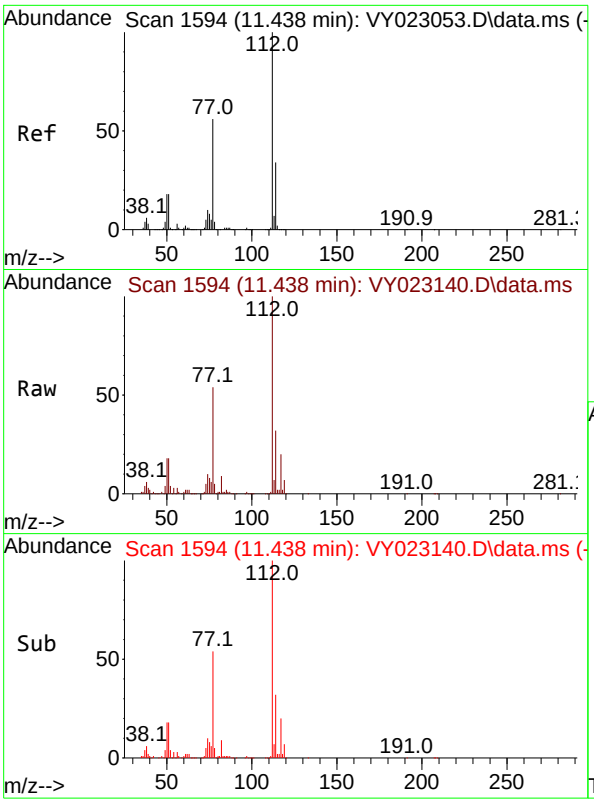


#64
Tetrachloroethene
Concen: 23.712 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:164 Resp: 150882

Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.1	151.7
129	91.4	74.0	111.0
131	88.7	71.1	106.7



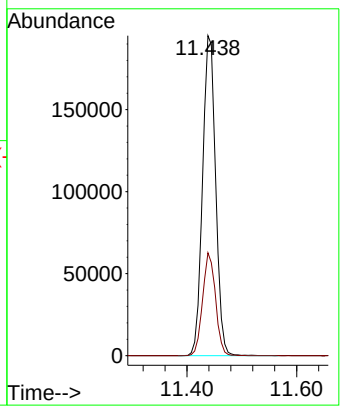


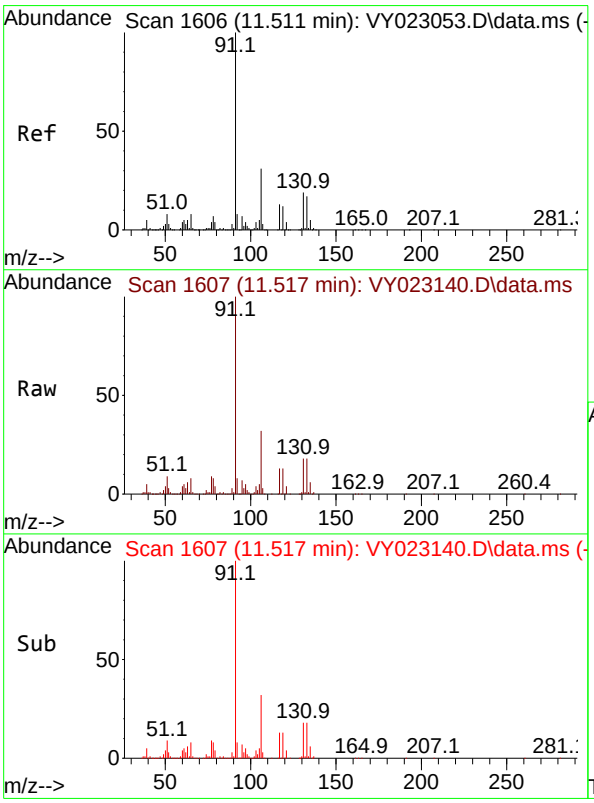
#65
Chlorobenzene
Concen: 20.934 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:112 Resp: 321766

Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.4

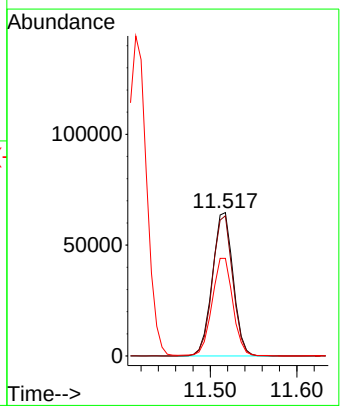


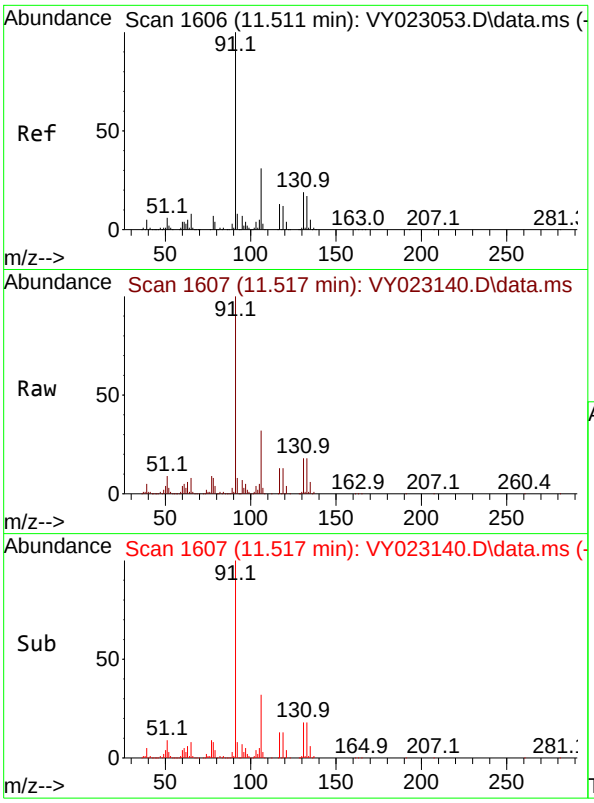


#66
1,1,1,2-Tetrachloroethane
Concen: 20.654 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:131 Resp: 107743

Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.9	140.6
119	68.4	33.2	99.6



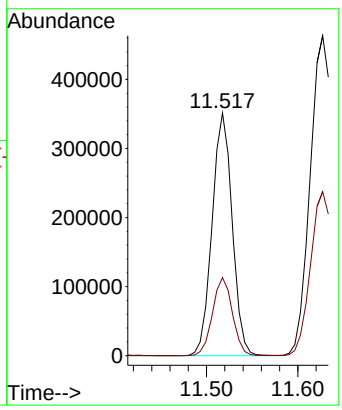


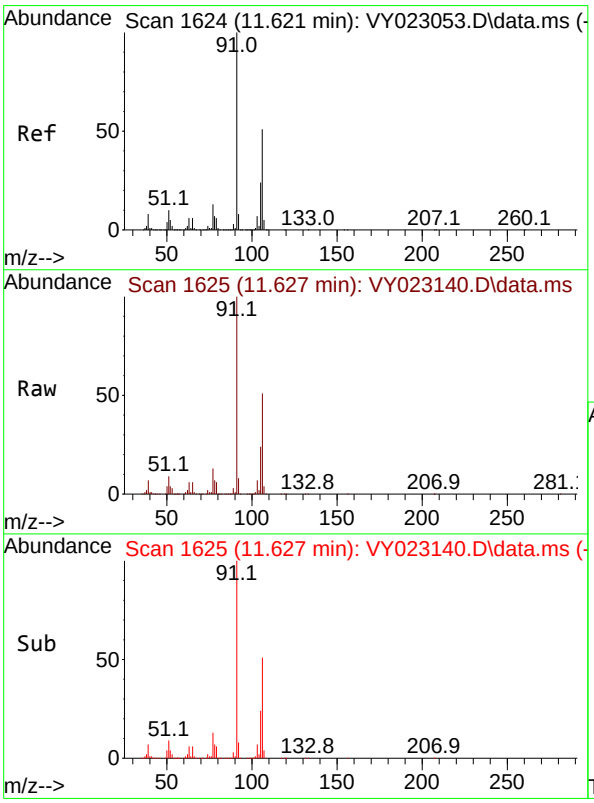
#67
Ethyl Benzene
Concen: 20.281 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 91 Resp: 536453

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.0	37.4

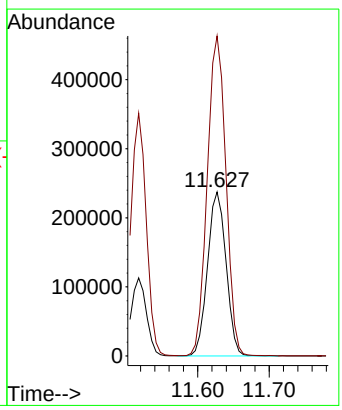


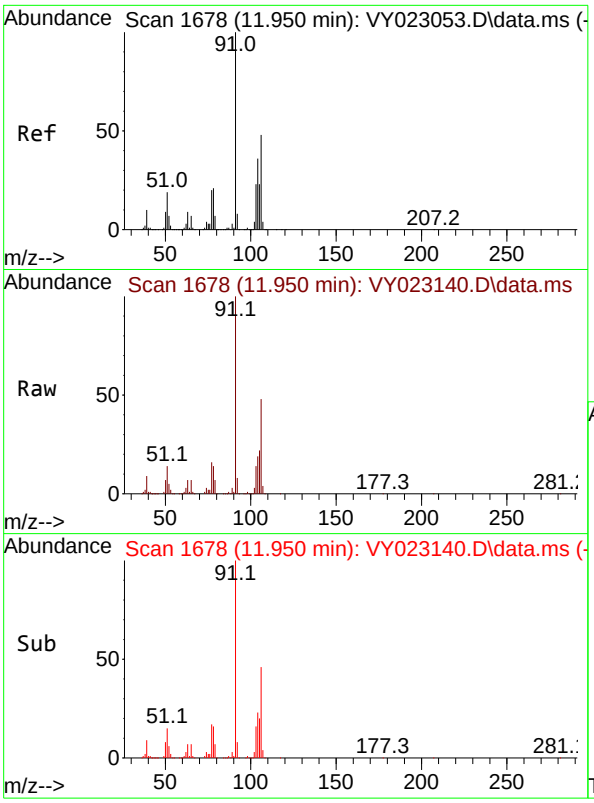


#68
m/p-Xylenes
Concen: 41.310 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:106 Resp: 426776

Ion	Ratio	Lower	Upper
106	100		
91	196.9	158.6	238.0



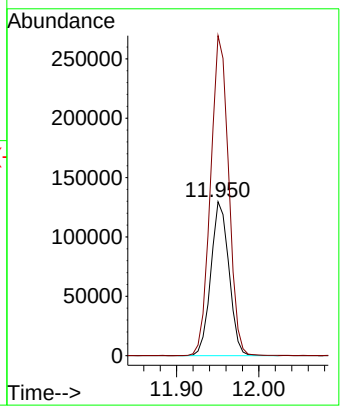


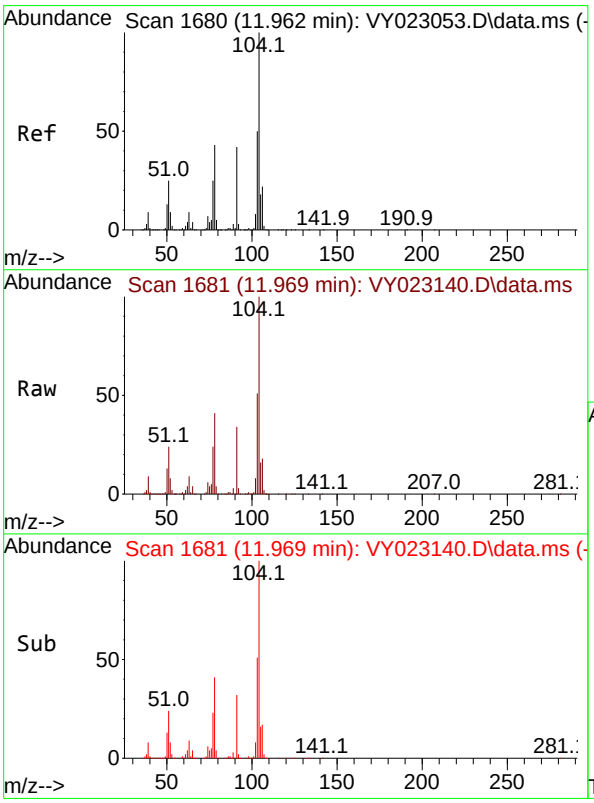
#69
o-Xylene
Concen: 20.464 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:106 Resp: 198012

Ion	Ratio	Lower	Upper
106	100		
91	207.8	103.2	309.4

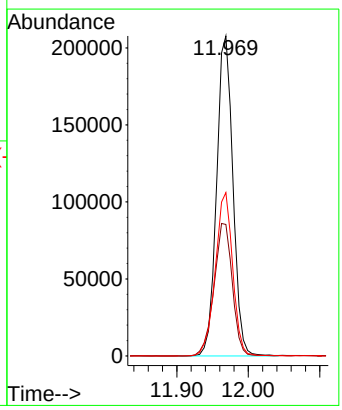


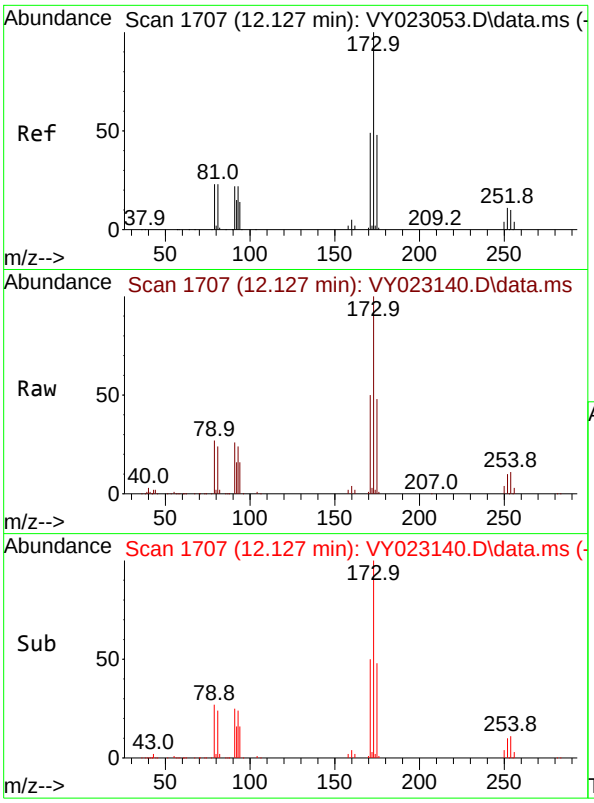


#70
Styrene
Concen: 20.774 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:104 Resp: 328722

Ion	Ratio	Lower	Upper
104	100		
78	46.6	38.5	57.7
103	54.6	43.7	65.5



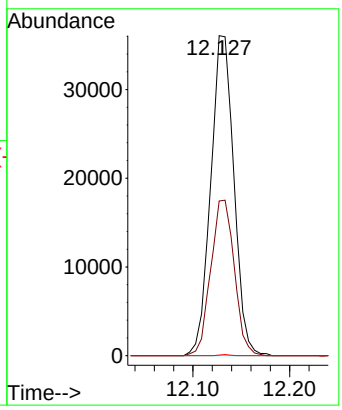


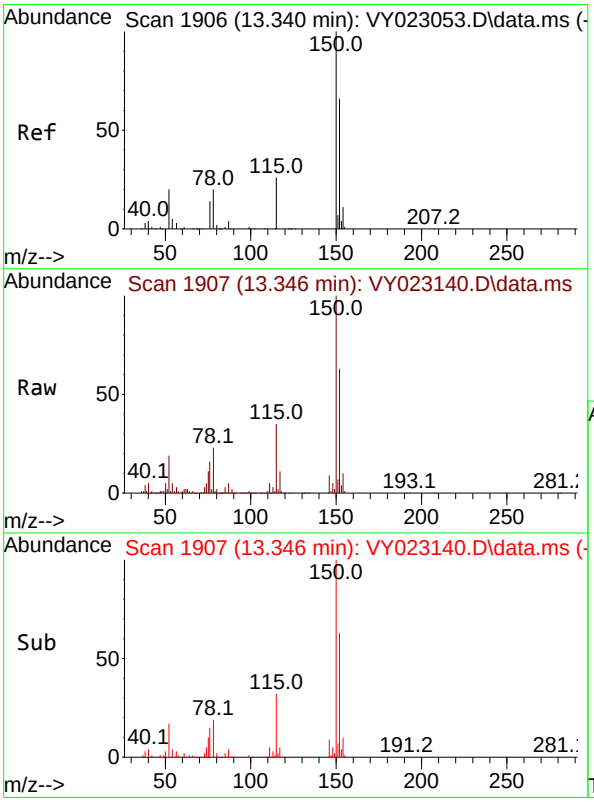
#71
Bromoform
Concen: 19.677 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:173 Resp: 59992

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.9	71.7
254	0.2	0.1	0.1#

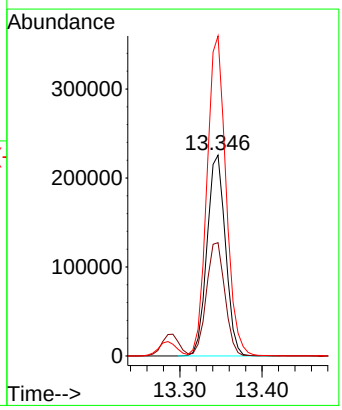


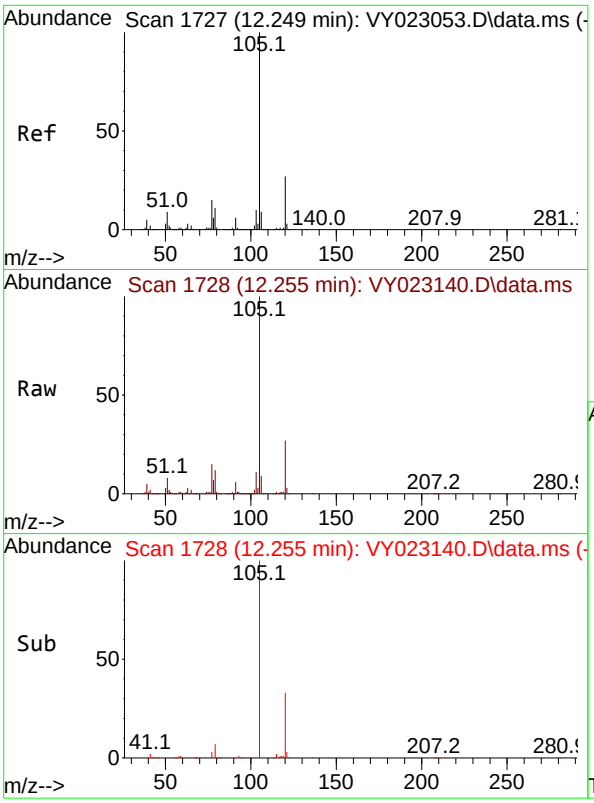


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:152 Resp: 351390

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.2	84.6
150	163.9	0.0	348.0



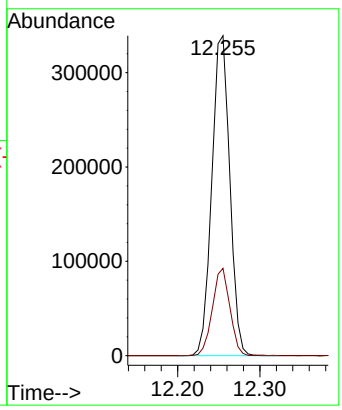


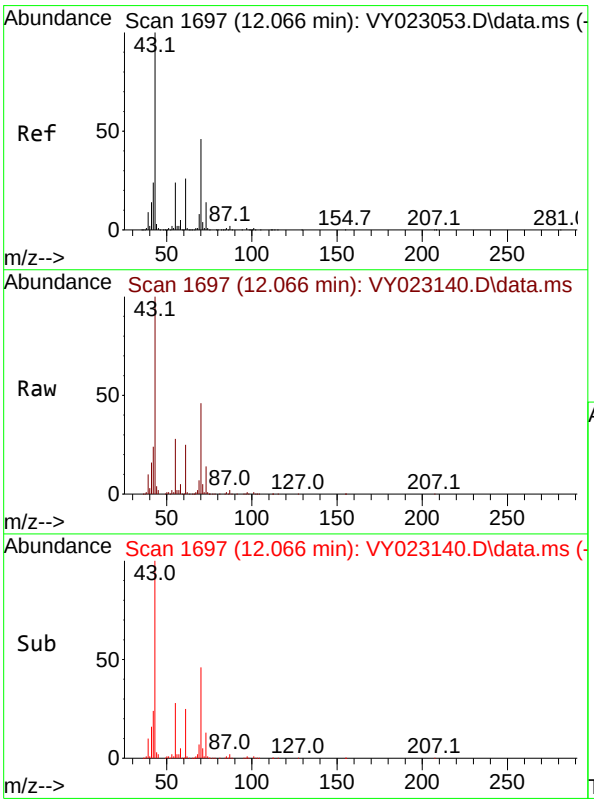
#73
Isopropylbenzene
Concen: 20.772 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:105 Resp: 515167

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

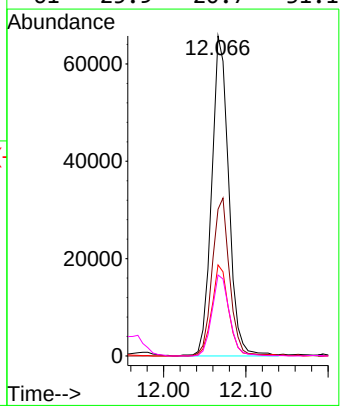


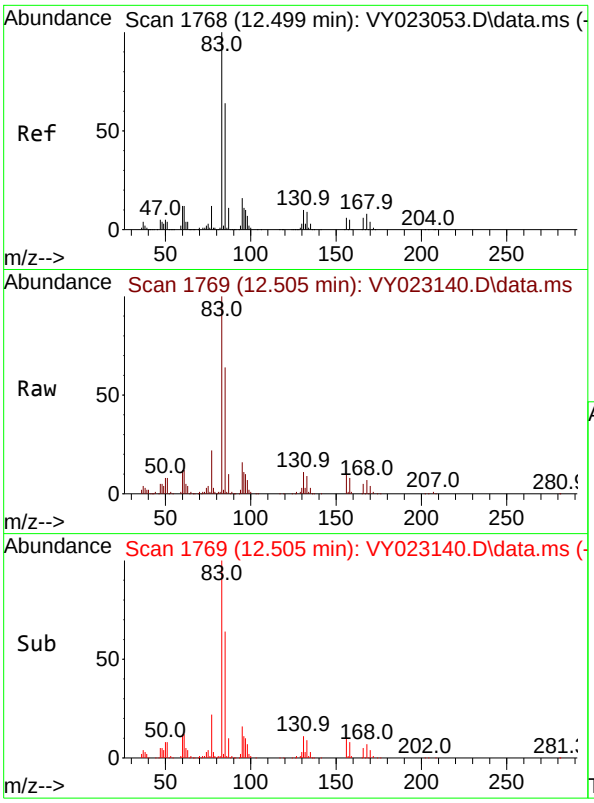


#74
N-amyl acetate
Concen: 18.063 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 43 Resp: 95001

Ion	Ratio	Lower	Upper
43	100		
70	50.2	37.5	56.3
55	28.5	20.7	31.1
61	25.9	20.7	31.1



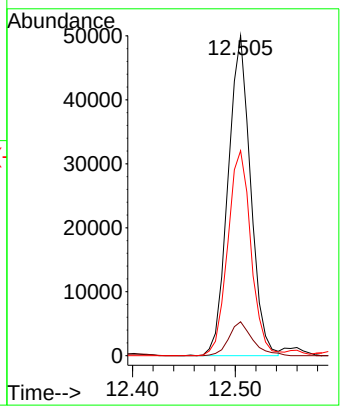


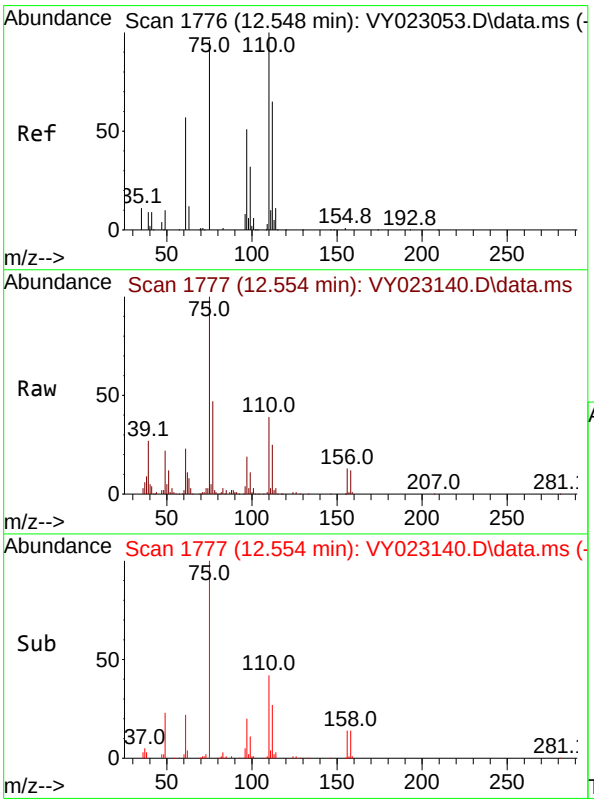
#75
1,1,2,2-Tetrachloroethane
Concen: 17.976 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 83 Resp: 76121

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	66.4	31.8	95.3

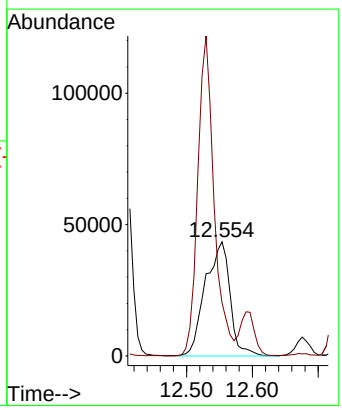


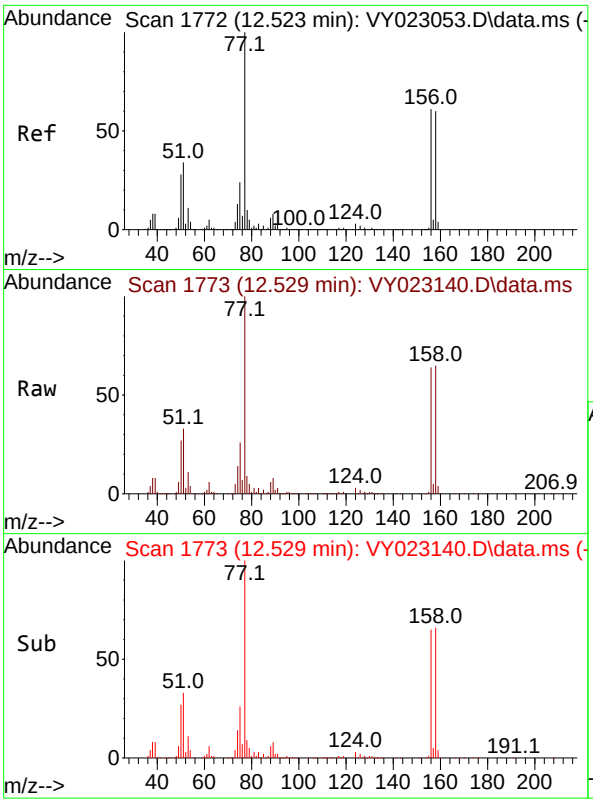


#76
1,2,3-Trichloropropane
Concen: 33.525 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 113692

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



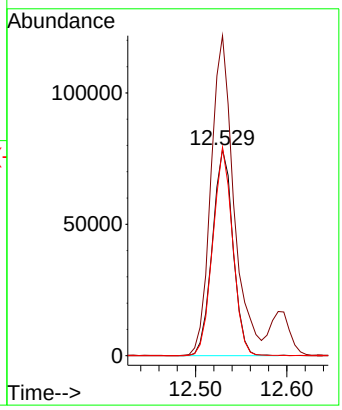


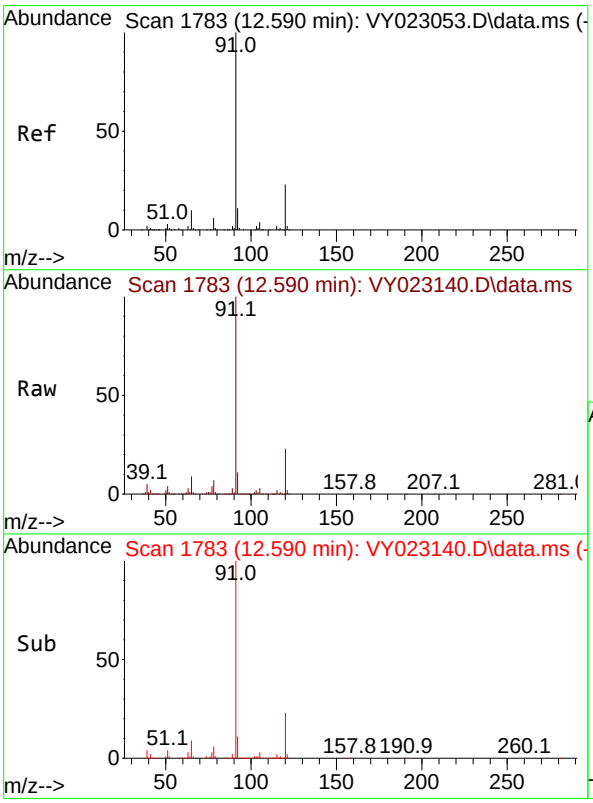
#77
Bromobenzene
Concen: 20.721 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:156 Resp: 122602

Ion	Ratio	Lower	Upper
156	100		
77	172.5	88.1	264.4
158	97.5	48.0	144.0

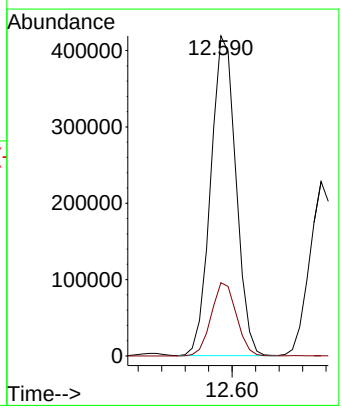


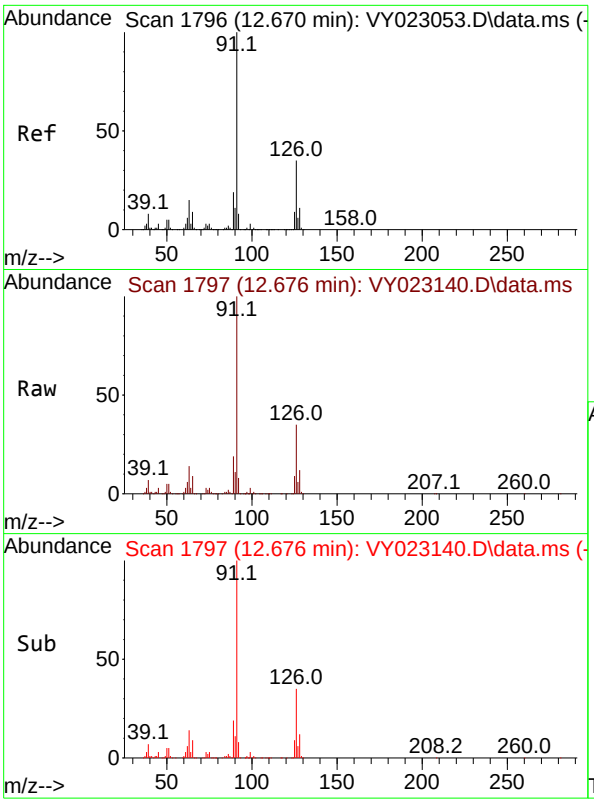


#78
n-propylbenzene
Concen: 21.149 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 624469

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



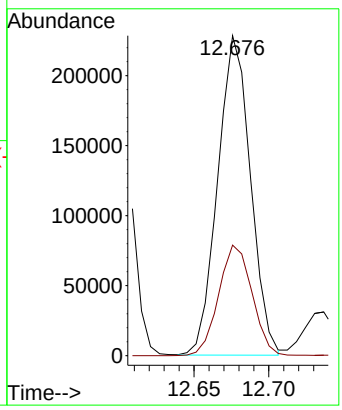


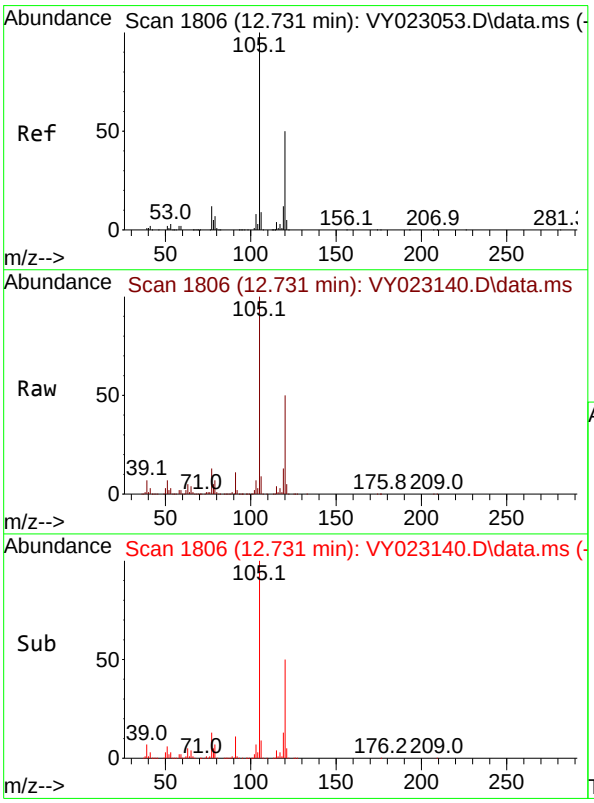
#79
2-Chlorotoluene
Concen: 20.536 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 91 Resp: 347424

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.4	52.3

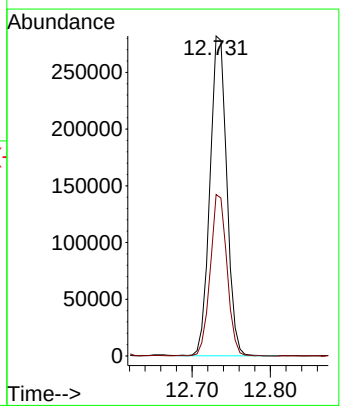


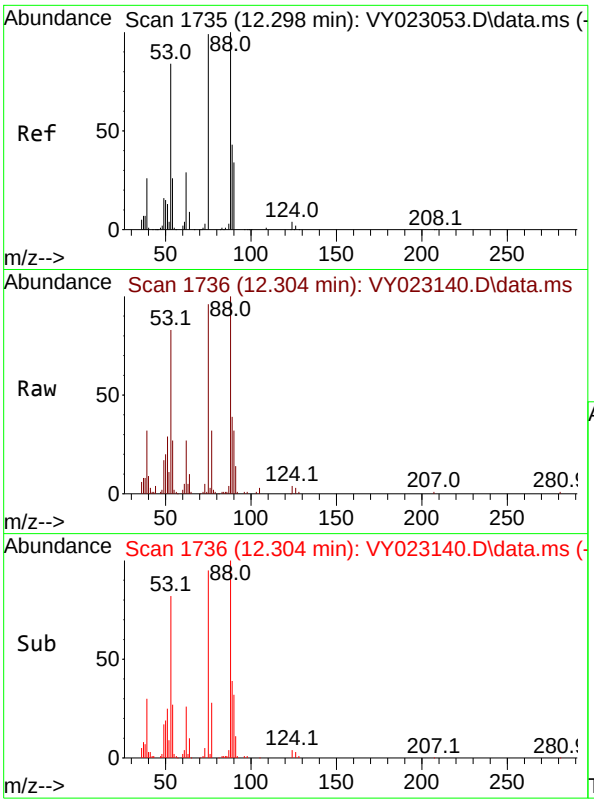


#80
1,3,5-Trimethylbenzene
Concen: 20.922 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:105 Resp: 419347

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.8	74.4



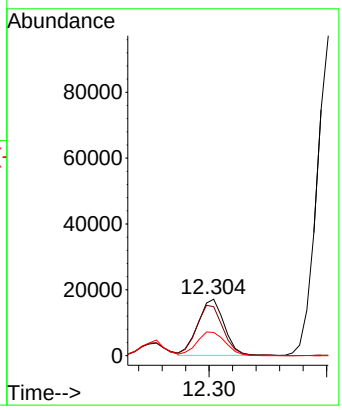


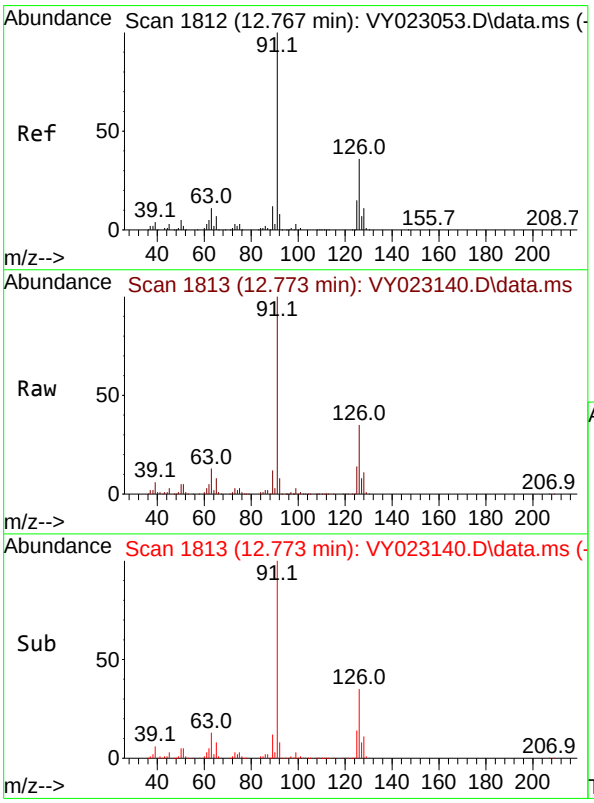
#81
trans-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 75 Resp: 26461

Ion	Ratio	Lower	Upper
75	100		
53	89.5	70.8	106.2
89	46.1	38.1	57.1

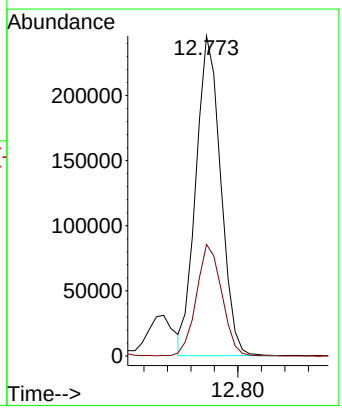


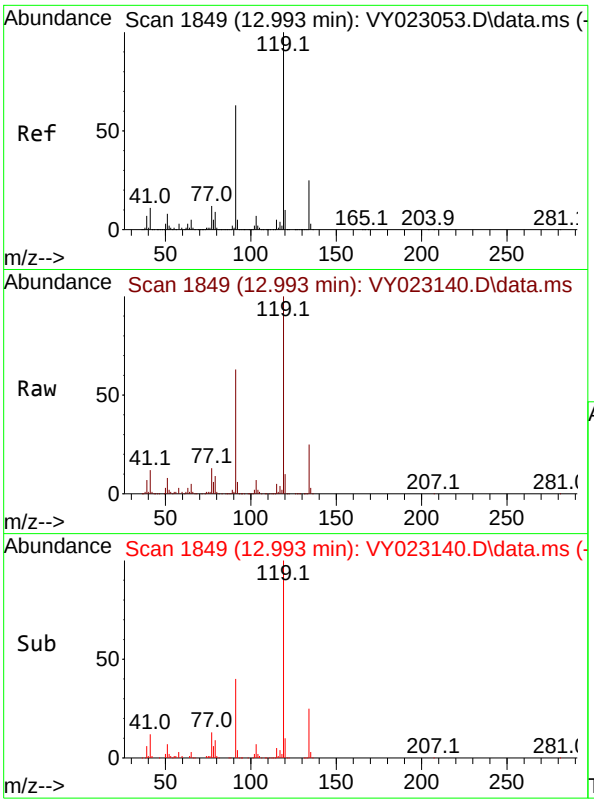


#82
4-Chlorotoluene
Concen: 20.508 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 91 Resp: 359924

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.3	52.0



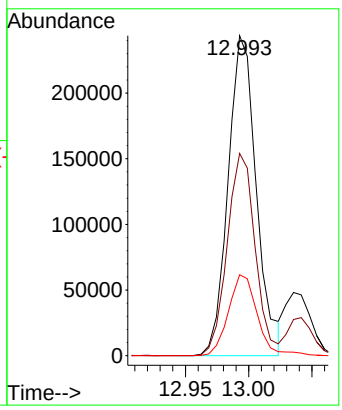


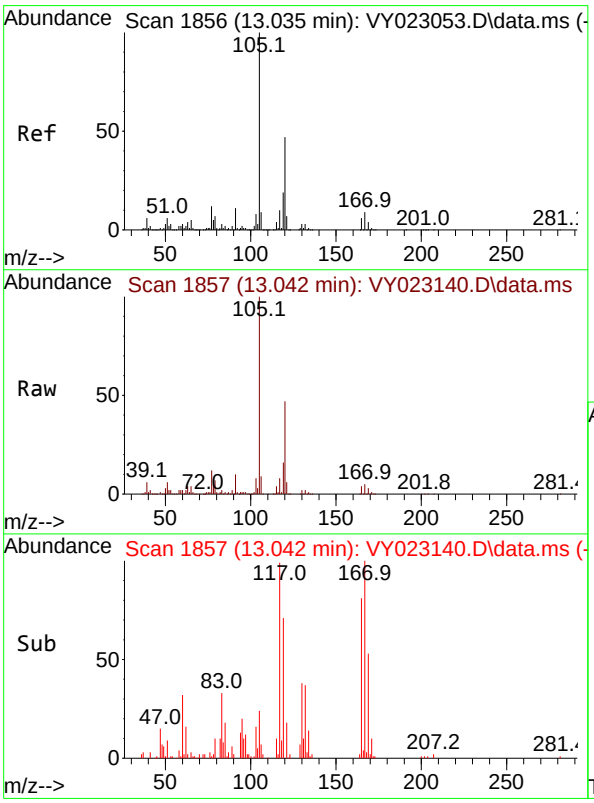
#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:119 Resp: 378882

Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.6	94.8
134	25.9	12.9	38.7

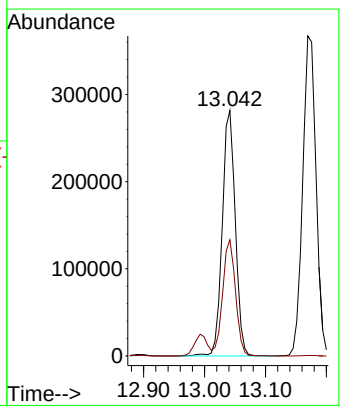


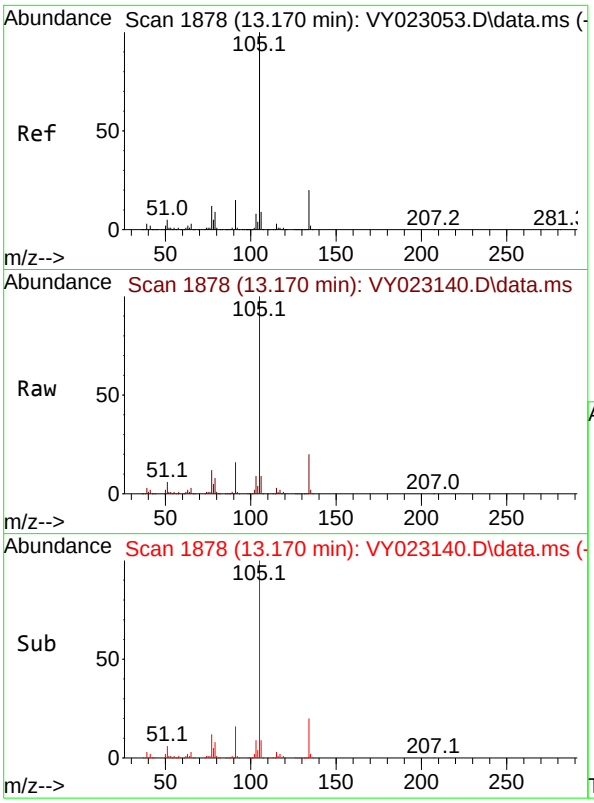


#84
1,2,4-Trimethylbenzene
Concen: 20.959 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:105 Resp: 418193

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0



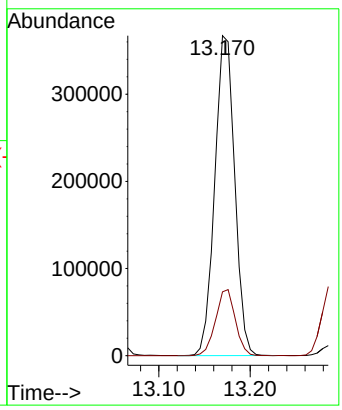


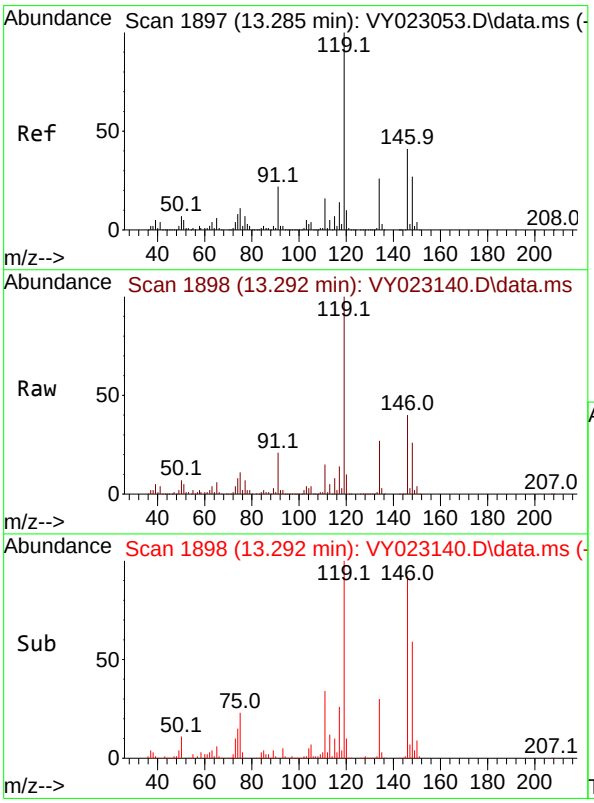
#85
sec-Butylbenzene
Concen: 20.967 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:105 Resp: 557566

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

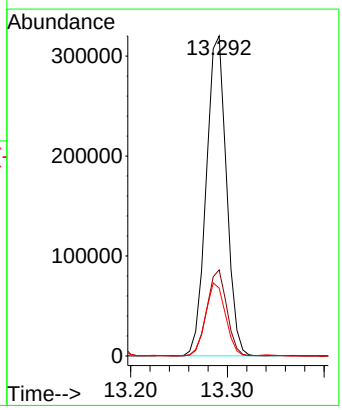


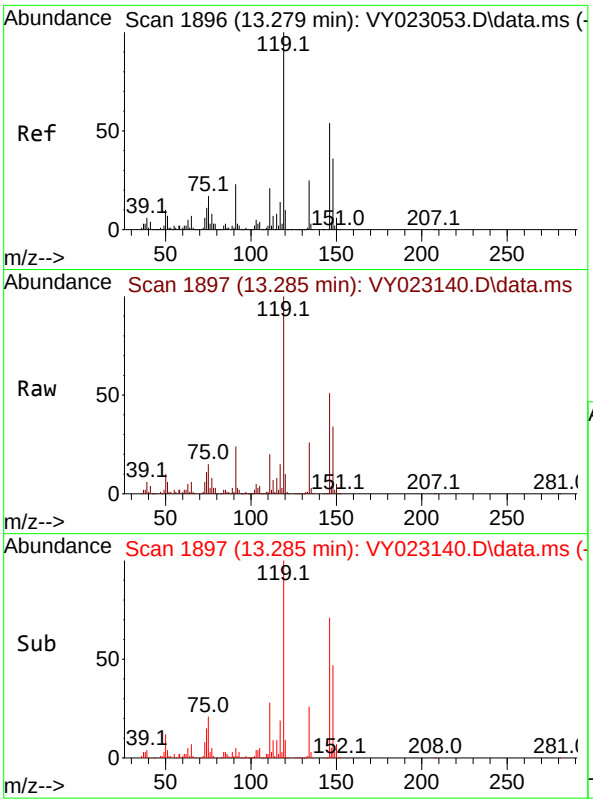


#86
p-Isopropyltoluene
Concen: 21.032 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:119 Resp: 464251

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	22.6	11.3	33.8



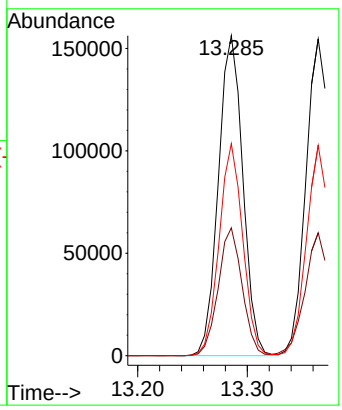


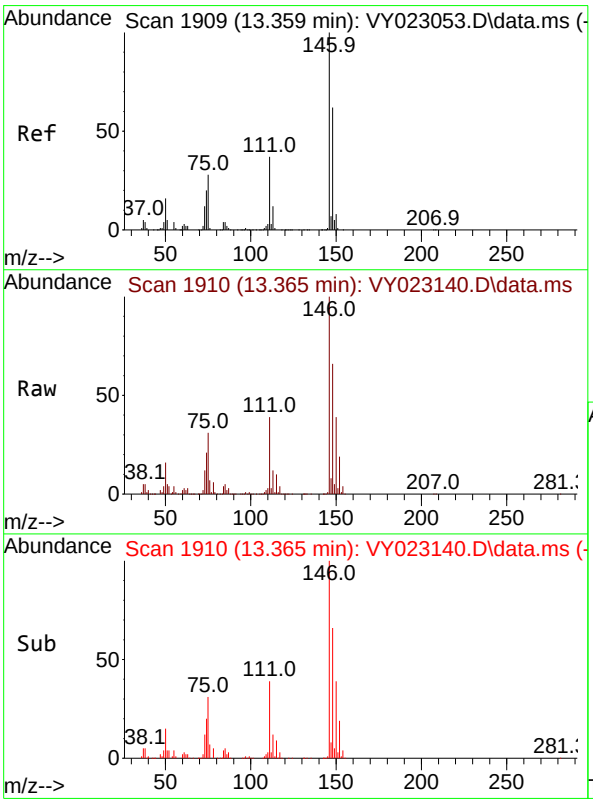
#87
1,3-Dichlorobenzene
Concen: 20.772 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:146 Resp: 242365

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.0	32.5	97.5

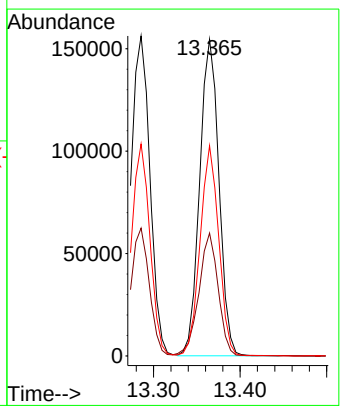


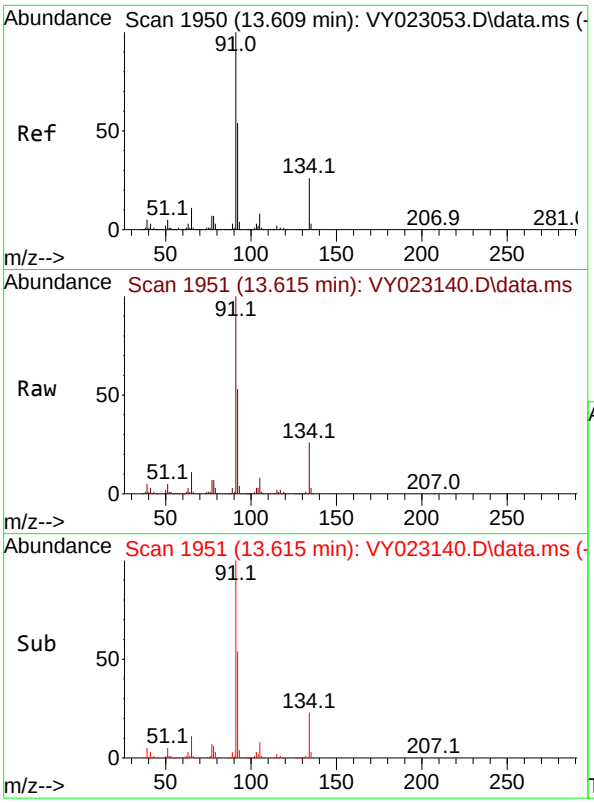


#88
1,4-Dichlorobenzene
Concen: 20.612 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:146 Resp: 238568

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.6	31.6	94.7



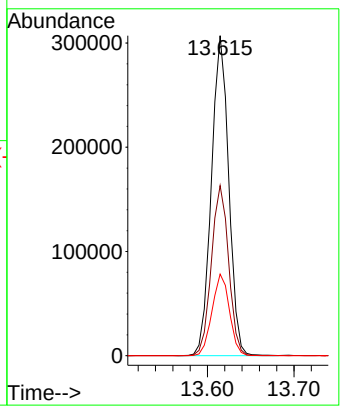


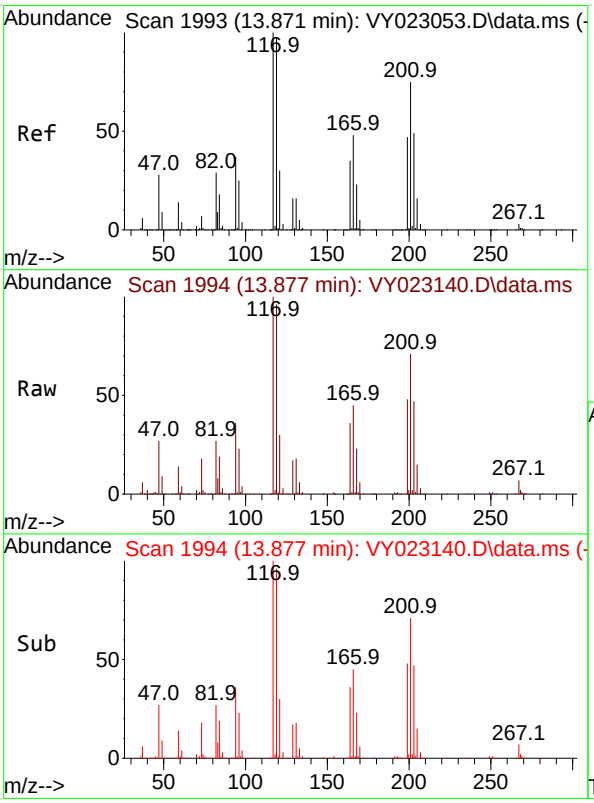
#89
n-Butylbenzene
Concen: 21.027 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion: 91 Resp: 426296

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	25.6	13.2	39.5

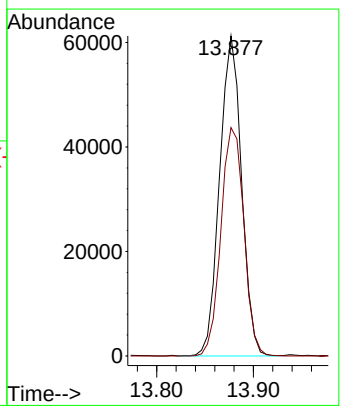


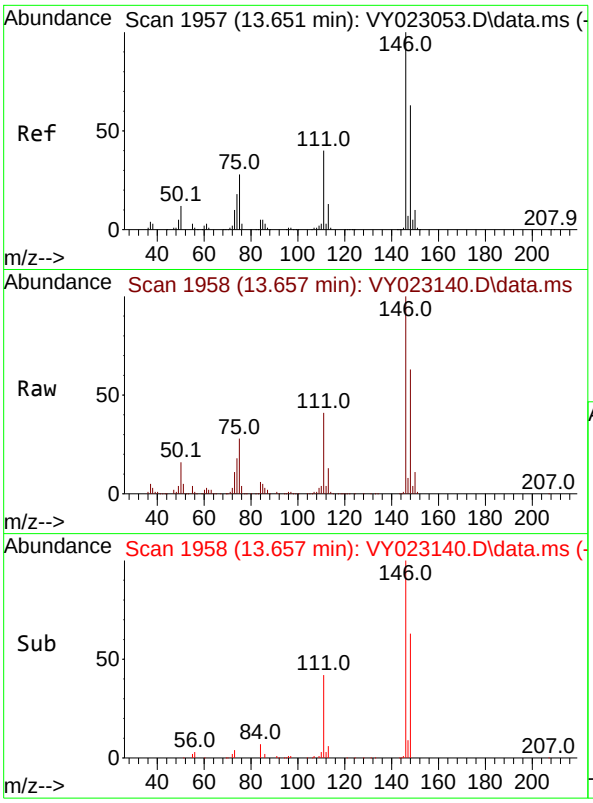


#90
Hexachloroethane
Concen: 21.322 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:117 Resp: 96348

Ion	Ratio	Lower	Upper
117	100		
201	74.5	38.4	115.1



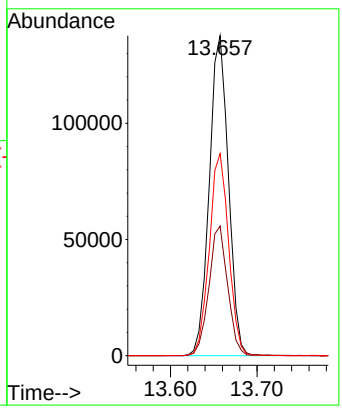


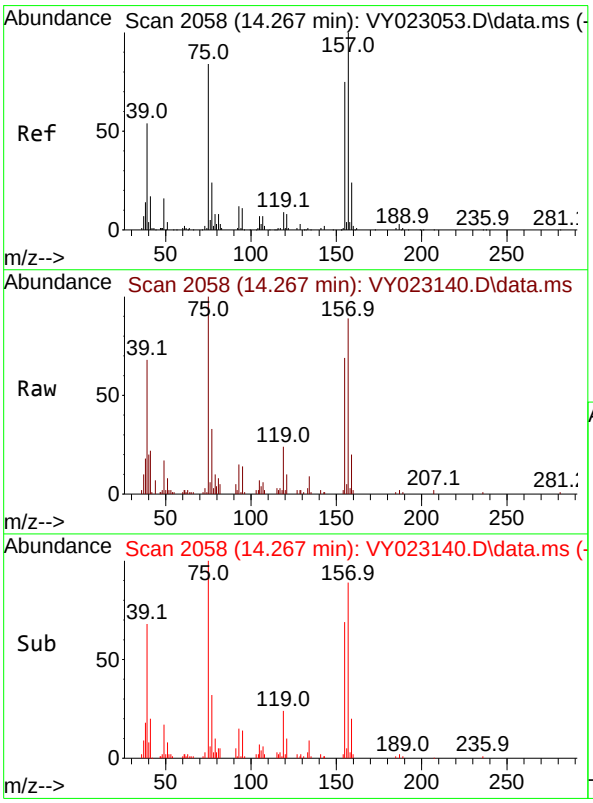
#91
1,2-Dichlorobenzene
Concen: 20.619 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:146 Resp: 210993

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.0	32.2	96.6

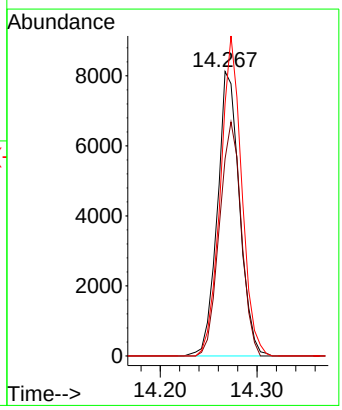


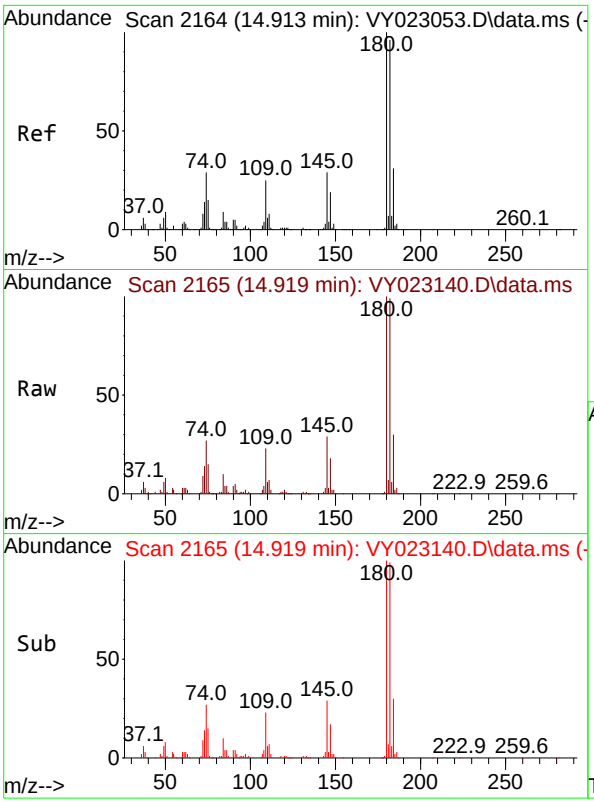


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.529 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion: 75 Resp: 12876

Ion	Ratio	Lower	Upper
75	100		
155	81.1	43.9	131.6
157	107.9	57.2	171.6



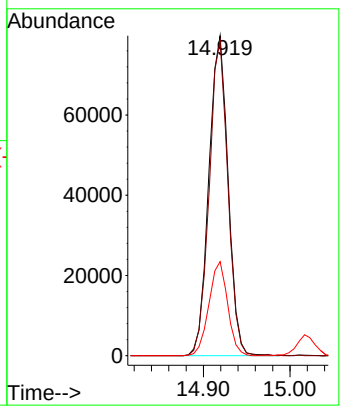


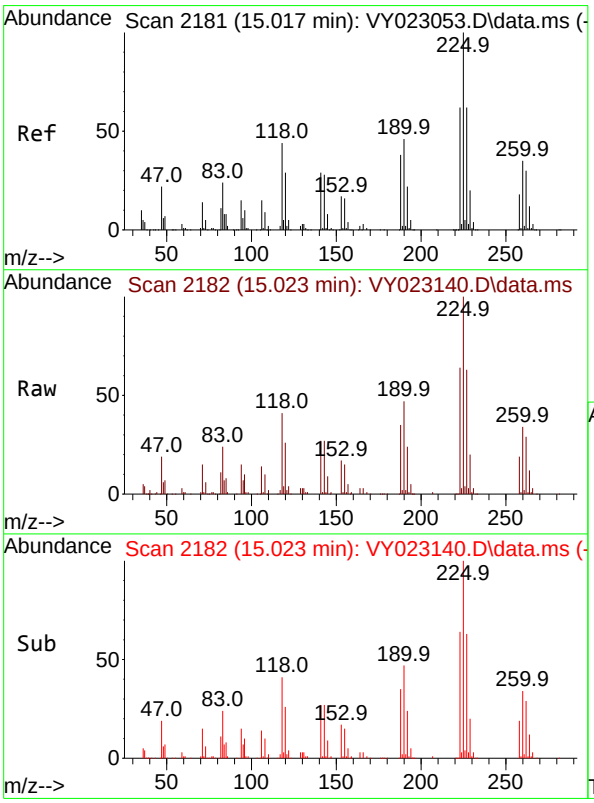
#93
1,2,4-Trichlorobenzene
Concen: 20.300 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:180 Resp: 122842

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.4
145	28.7	14.4	43.4

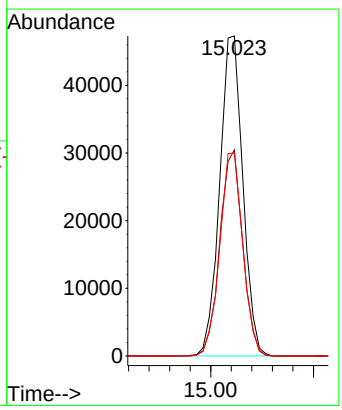


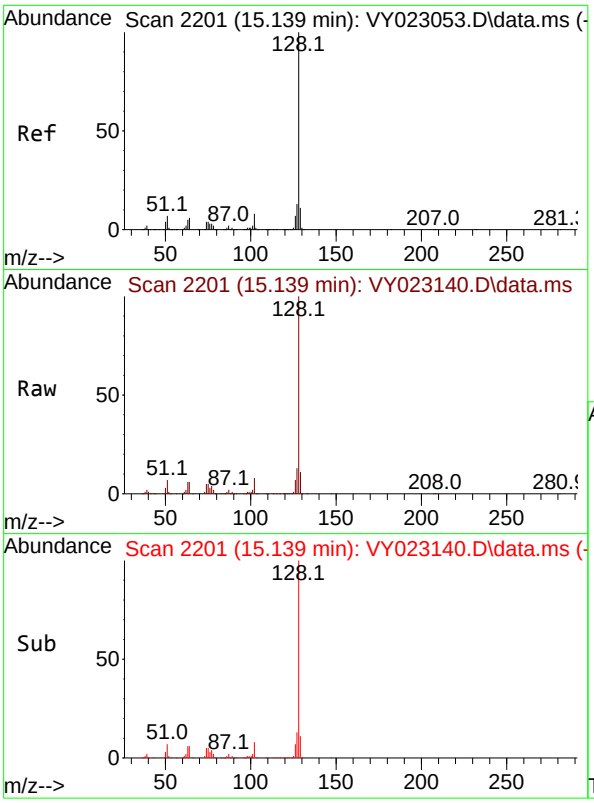


#94
Hexachlorobutadiene
Concen: 20.784 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:225 Resp: 73904

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	63.2	31.5	94.5



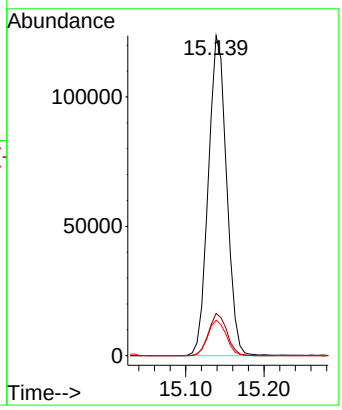


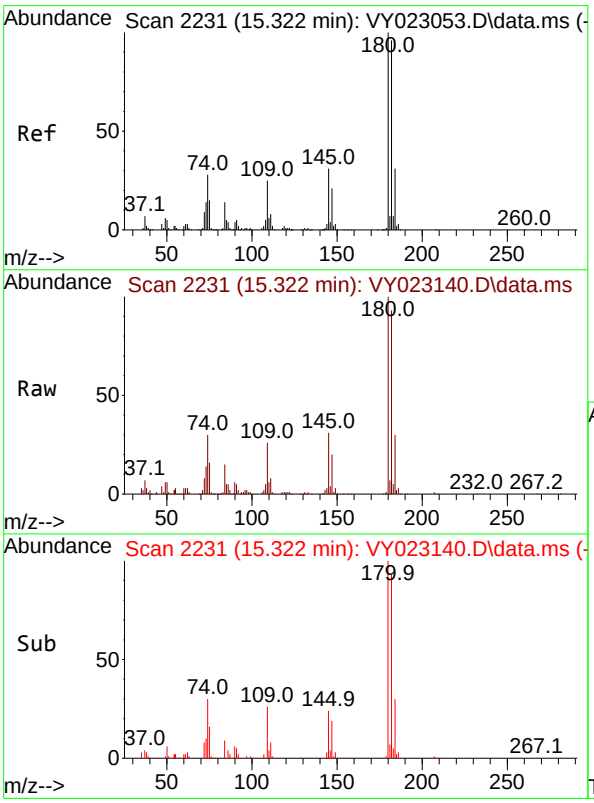
#95
Naphthalene
Concen: 19.402 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBSD01

Tgt Ion:128 Resp: 200198

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	9.0	13.4

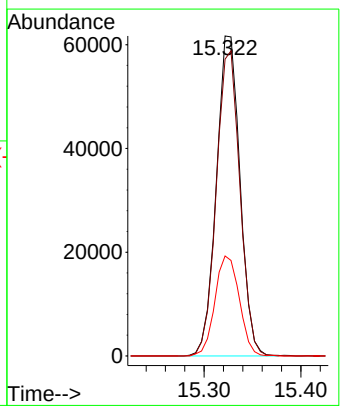




#96
1,2,3-Trichlorobenzene
Concen: 20.037 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023140.D
Acq: 19 Aug 2025 10:42

Tgt Ion:180 Resp: 104481

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	32.2	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	453917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	726912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	647238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	333557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213375	49.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.640%			
35) Dibromofluoromethane	7.634	113	217058	49.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.800%			
50) Toluene-d8	10.103	98	864097	50.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.401	95	274917	50.308	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	145094	39.160	ug/l	98
3) Chloromethane	2.068	50	276875	46.137	ug/l	97
4) Vinyl Chloride	2.202	62	354948	47.848	ug/l	100
5) Bromomethane	2.592	94	278901	50.342	ug/l	100
6) Chloroethane	2.732	64	250831	50.860	ug/l	100
7) Trichlorofluoromethane	3.049	101	405455	44.950	ug/l	99
8) Diethyl Ether	3.452	74	111202	46.597	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	200633	45.085	ug/l	99
10) Methyl Iodide	4.001	142	263764	54.928	ug/l	98
11) Tert butyl alcohol	4.860	59	62641	211.323	ug/l	100
12) 1,1-Dichloroethene	3.787	96	206109	47.120	ug/l	97
13) Acrolein	3.647	56	48005	110.581	ug/l	97
14) Allyl chloride	4.378	41	288345	44.800	ug/l	97
15) Acrylonitrile	5.049	53	228651	235.673	ug/l	98
16) Acetone	3.866	43	175331	187.073	ug/l	97
17) Carbon Disulfide	4.104	76	657020	46.066	ug/l	100
18) Methyl Acetate	4.385	43	140261	50.290	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	538168	47.480	ug/l	99
20) Methylene Chloride	4.610	84	244646	50.247	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	246365	50.119	ug/l	99
22) Diisopropyl ether	6.018	45	670200	47.919	ug/l	99
23) Vinyl Acetate	5.957	43	1726827	223.289	ug/l	98
24) 1,1-Dichloroethane	5.915	63	423462	49.522	ug/l	99
25) 2-Butanone	6.896	43	268264	210.456	ug/l	97
26) 2,2-Dichloropropane	6.884	77	330025	44.729	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	286353	50.390	ug/l	97
28) Bromochloromethane	7.244	49	168646	49.712	ug/l	96
29) Tetrahydrofuran	7.256	42	176959	223.965	ug/l	96
30) Chloroform	7.421	83	447102	50.699	ug/l	98
31) Cyclohexane	7.701	56	338813	42.047	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	386894	49.443	ug/l	100
36) 1,1-Dichloropropene	7.835	75	308640	47.746	ug/l	99
37) Ethyl Acetate	6.982	43	120682	44.444	ug/l	99
38) Carbon Tetrachloride	7.817	117	341297	48.612	ug/l	99
39) Methylcyclohexane	9.109	83	387997	45.580	ug/l	95
40) Benzene	8.079	78	999546	50.170	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	65626	41.877	ug/l		87
42) 1,2-Dichloroethane	8.158	62	253049	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	245293	44.694	ug/l		97
44) Trichloroethene	8.865	130	266609	51.782	ug/l		100
45) 1,2-Dichloropropane	9.140	63	228425	49.829	ug/l		99
46) Dibromomethane	9.231	93	131481	49.971	ug/l		99
47) Bromodichloromethane	9.420	83	343279	50.703	ug/l		99
48) Methyl methacrylate	9.219	41	118237	45.021	ug/l		95
49) 1,4-Dioxane	9.225	88	29199	946.444	ug/l		90
51) 4-Methyl-2-Pentanone	9.993	43	656710	231.971	ug/l		98
52) Toluene	10.170	92	647611	51.179	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	296104	48.297	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	353426	48.751	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	176672	50.180	ug/l		98
56) Ethyl methacrylate	10.438	69	217938	48.375	ug/l		98
57) 1,3-Dichloropropane	10.713	76	292293	48.952	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	551100	259.330	ug/l		98
59) 2-Hexanone	10.755	43	435049	225.681	ug/l		100
60) Dibromochloromethane	10.908	129	238623	51.365	ug/l		100
61) 1,2-Dibromoethane	11.011	107	164095	49.588	ug/l		99
64) Tetrachloroethene	10.646	164	323963	56.055	ug/l		98
65) Chlorobenzene	11.438	112	704107	50.434	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.511	131	243596	51.411	ug/l		100
67) Ethyl Benzene	11.517	91	1222605	50.888	ug/l		98
68) m/p-Xylenes	11.627	106	966978	103.051	ug/l		98
69) o-Xylene	11.950	106	455236	51.799	ug/l		99
70) Styrene	11.969	104	763639	53.132	ug/l		98
71) Bromoform	12.127	173	135638	48.980	ug/l	#	99
73) Isopropylbenzene	12.249	105	1161331	49.330	ug/l		99
74) N-amyl acetate	12.066	43	217737	43.613	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	172951	43.025	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	248637	77.236	ug/l	#	100
77) Bromobenzene	12.529	156	273466	48.690	ug/l		98
78) n-propylbenzene	12.590	91	1387452	49.502	ug/l		99
79) 2-Chlorotoluene	12.676	91	784149	48.829	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	954748	50.180	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	57362	43.134	ug/l		99
82) 4-Chlorotoluene	12.773	91	816232	48.995	ug/l		99
83) tert-Butylbenzene	12.993	119	857857	49.921	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	956661	50.510	ug/l		99
85) sec-Butylbenzene	13.170	105	1249164	49.485	ug/l		100
86) p-Isopropyltoluene	13.285	119	1065308	50.842	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	549837	49.644	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	534086	48.611	ug/l		99
89) n-Butylbenzene	13.615	91	957330	49.746	ug/l		99
90) Hexachloroethane	13.877	117	214503	50.008	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	477680	49.177	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28063	44.839	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	261664	45.553	ug/l		98
94) Hexachlorobutadiene	15.017	225	153359	45.434	ug/l		98
95) Naphthalene	15.139	128	452211	46.168	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	224276	45.311	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

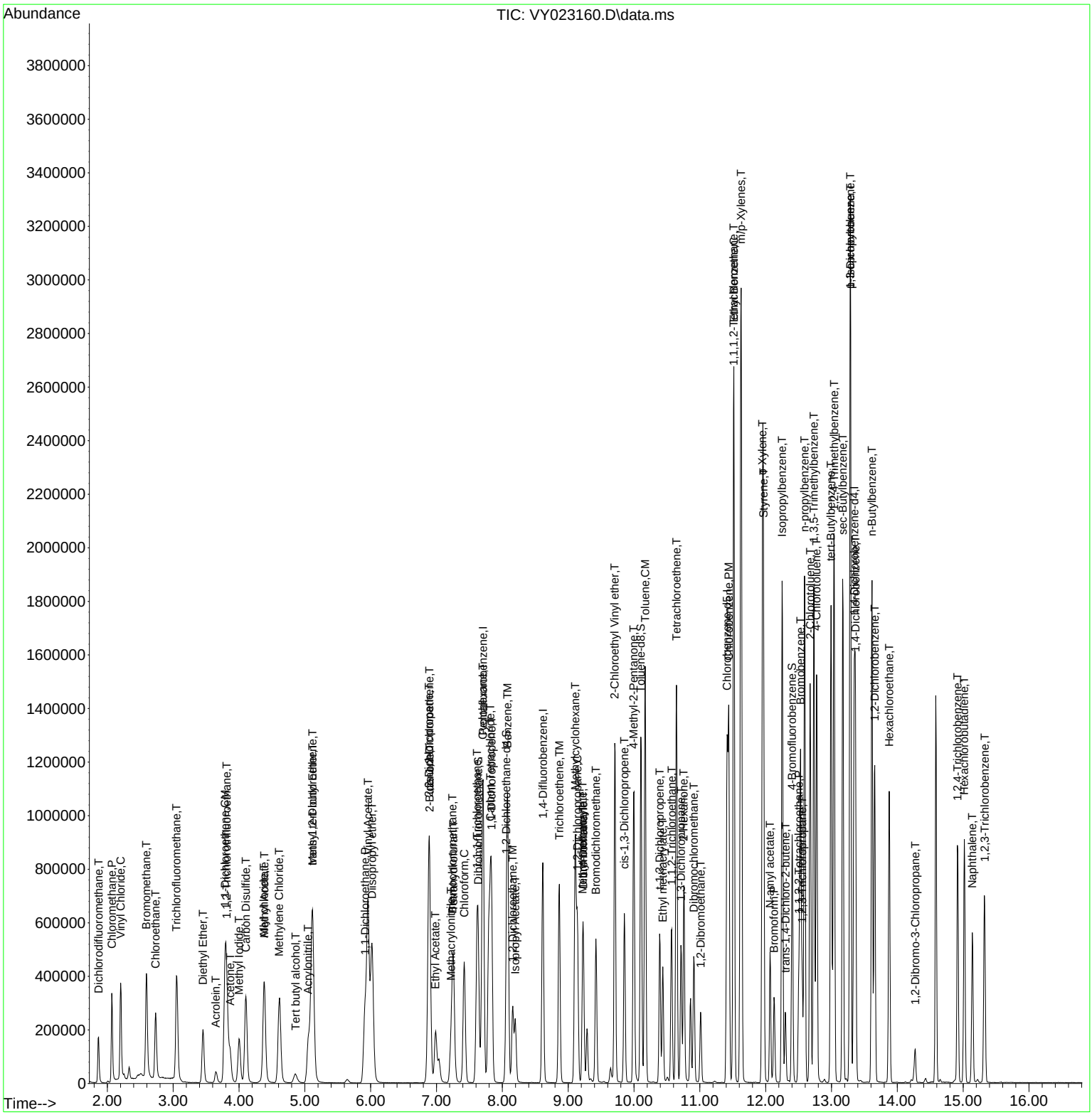
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

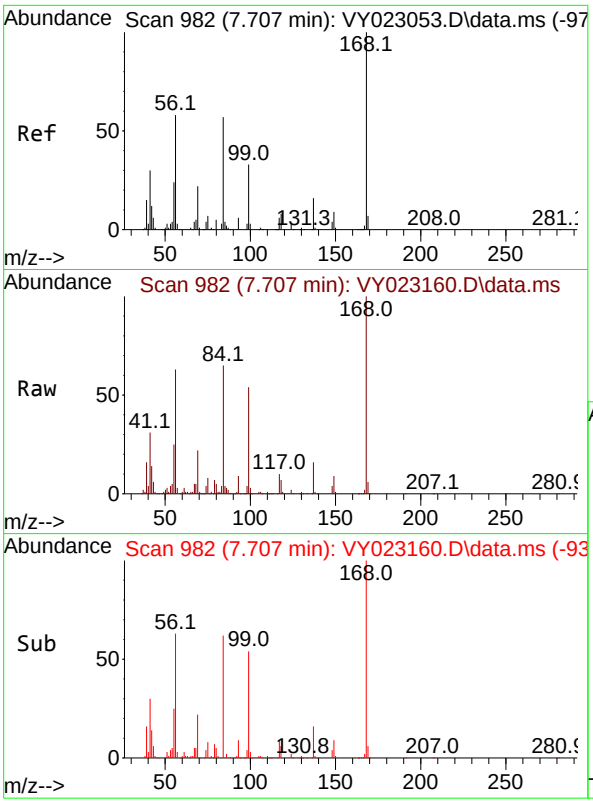
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



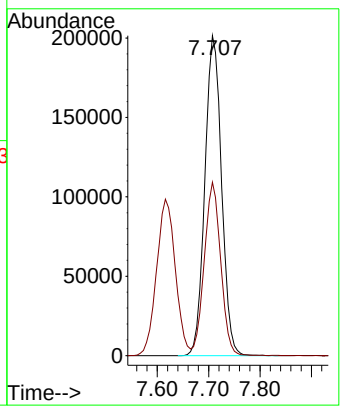


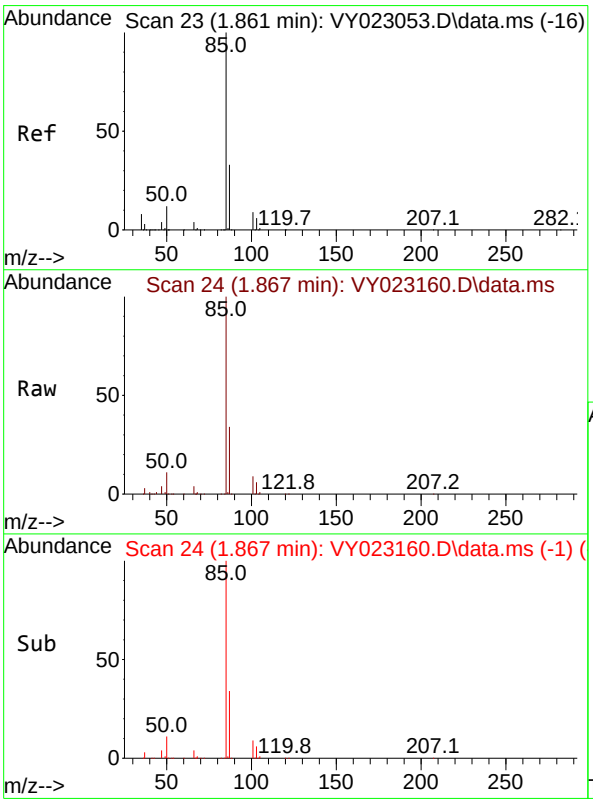
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 453917

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2

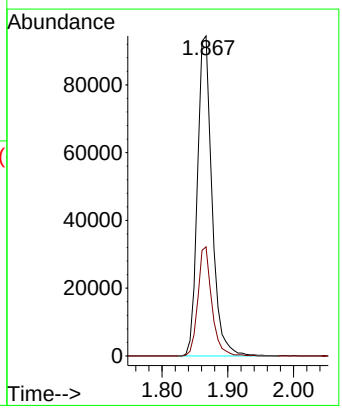


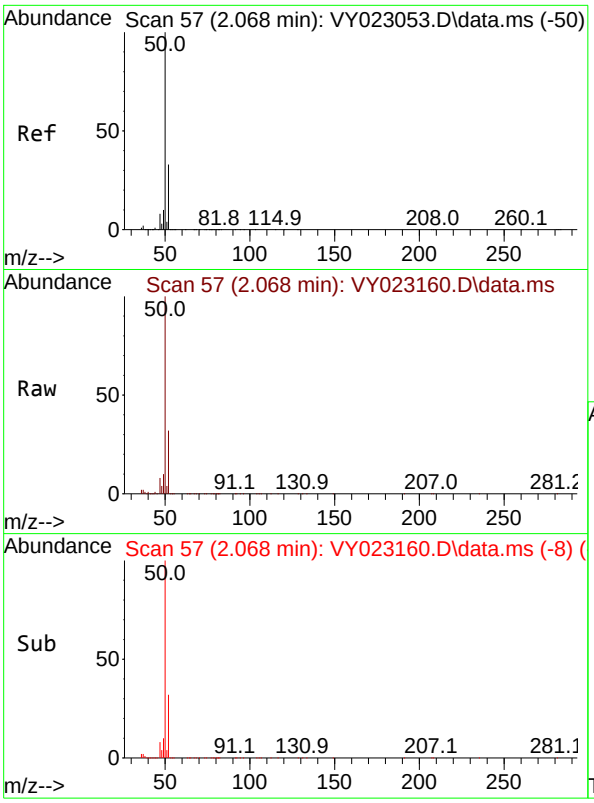


#2
Dichlorodifluoromethane
Concen: 39.160 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 85 Resp: 145094

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.6	49.8



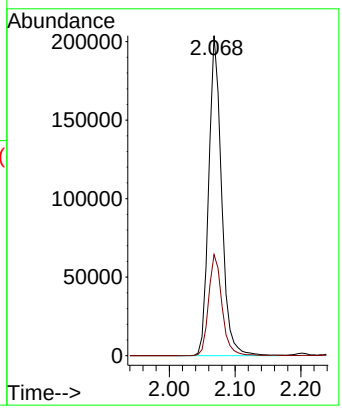


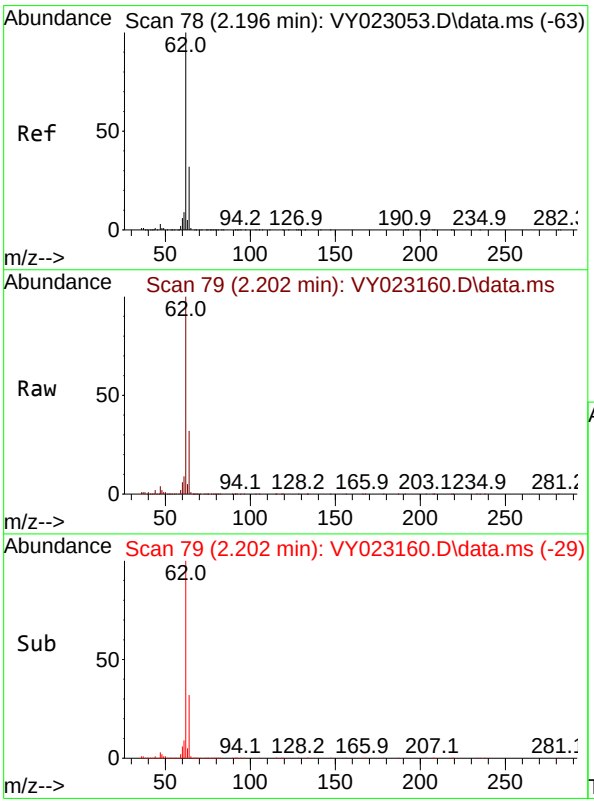
#3
Chloromethane
Concen: 46.137 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 276875

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.7	40.1

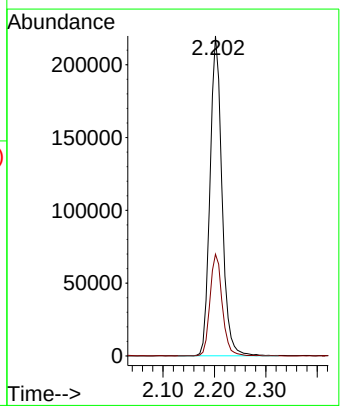


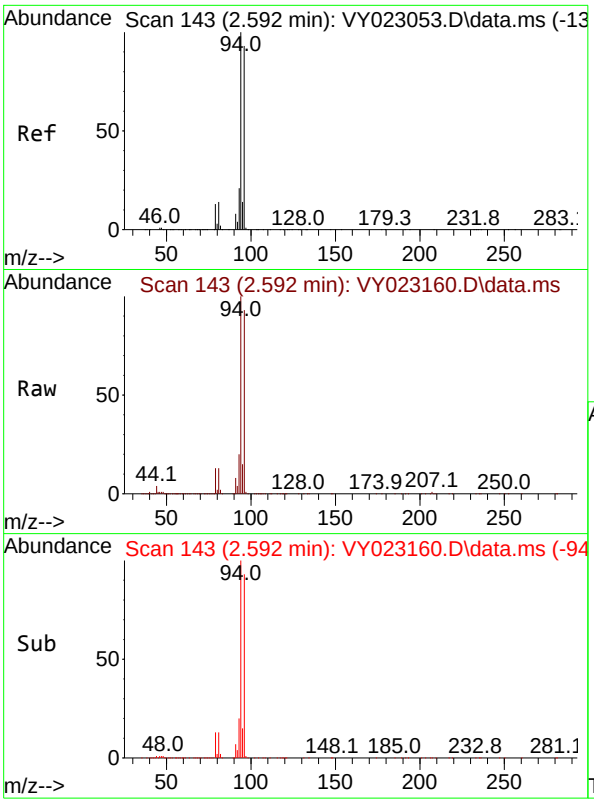


#4
Vinyl Chloride
Concen: 47.848 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 354948

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0



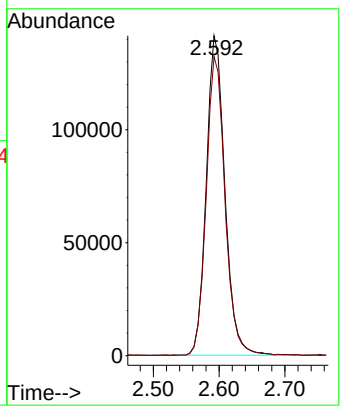


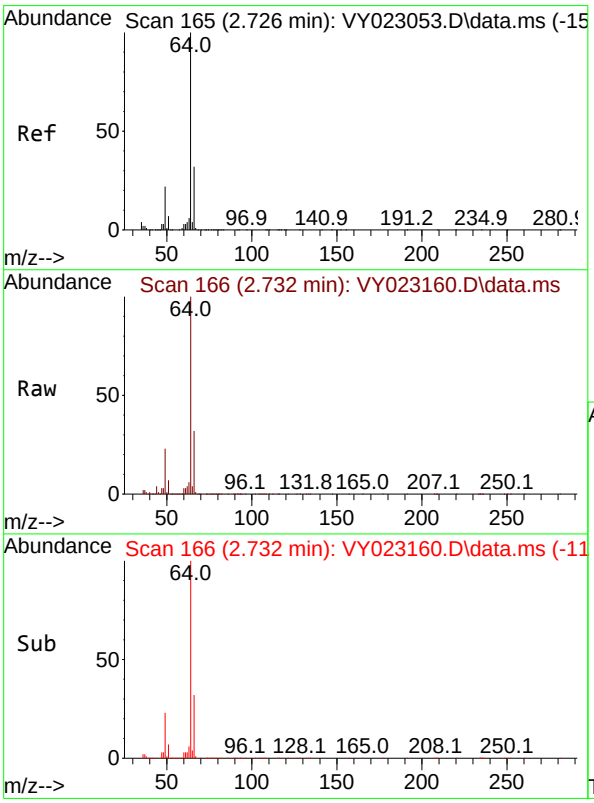
#5
Bromomethane
Concen: 50.342 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 278901

Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.6	112.0

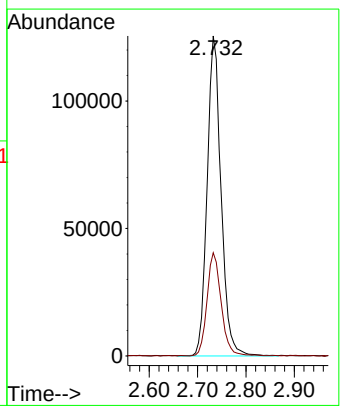


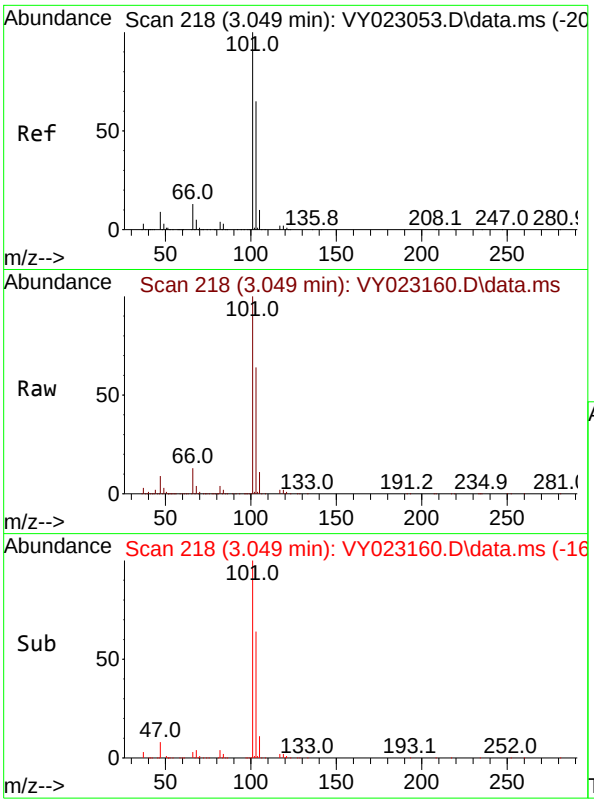


#6
Chloroethane
Concen: 50.860 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 64 Resp: 250831

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.8	38.6



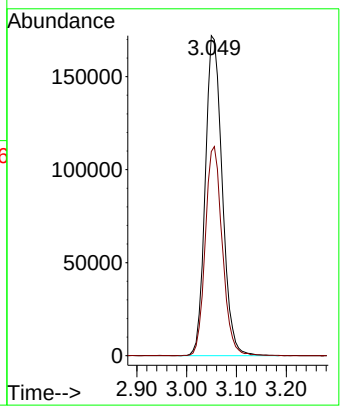


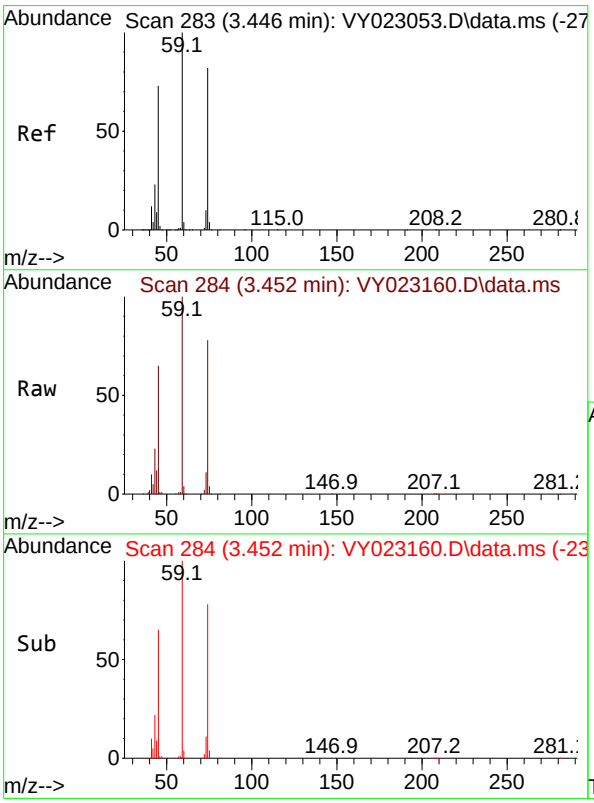
#7
Trichlorofluoromethane
Concen: 44.950 ug/l
RT: 3.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 405455

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.9	77.9

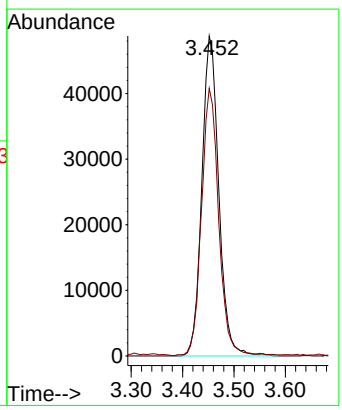


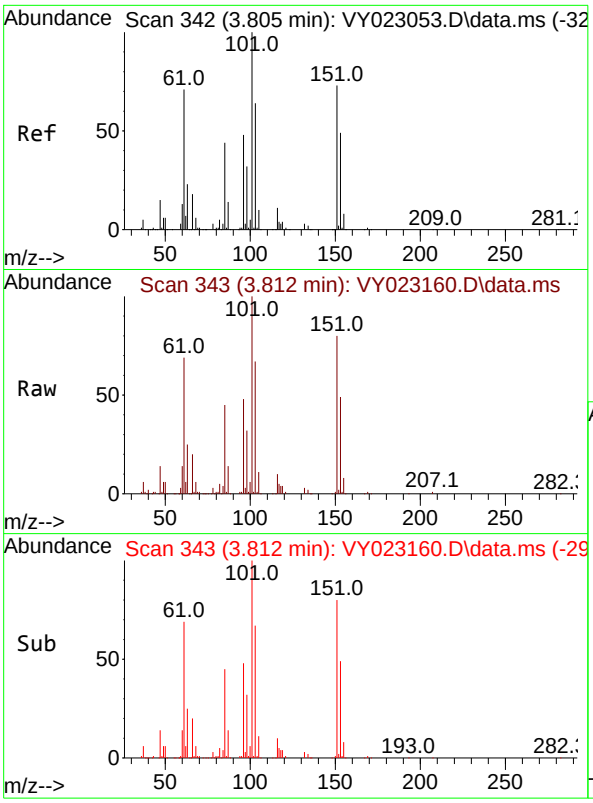


#8
Diethyl Ether
Concen: 46.597 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 74 Resp: 111202

Ion	Ratio	Lower	Upper
74	100		
45	84.5	44.4	133.2



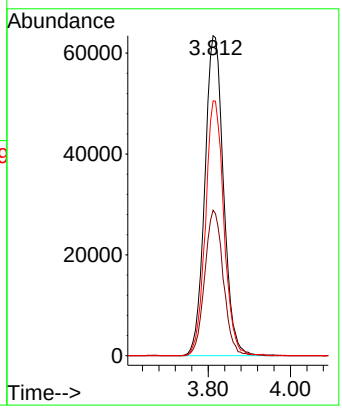


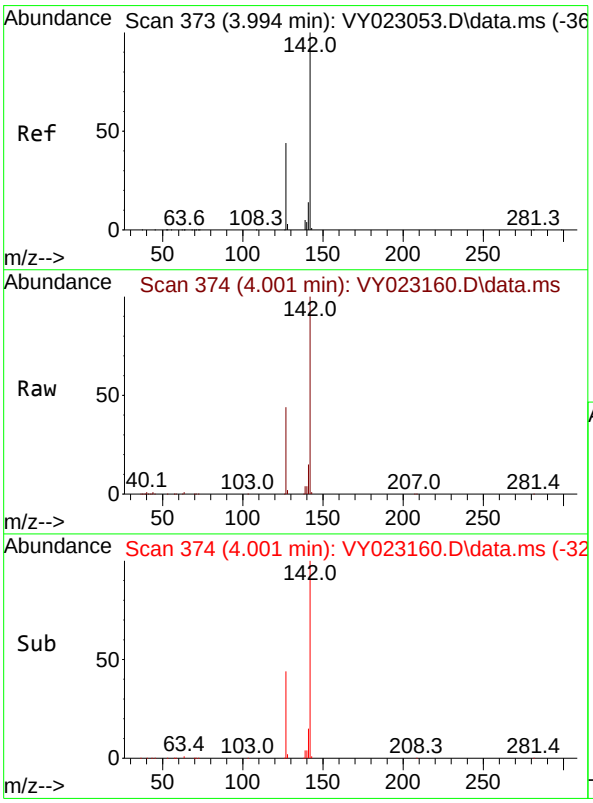
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.085 ug/l
RT: 3.812 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 200633

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.3	54.5
151	78.1	61.5	92.3

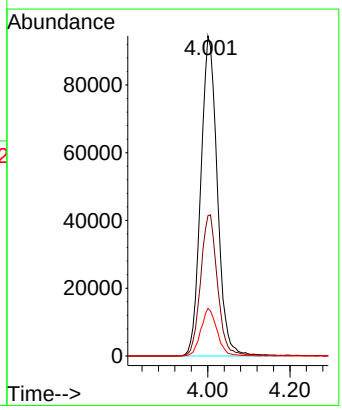


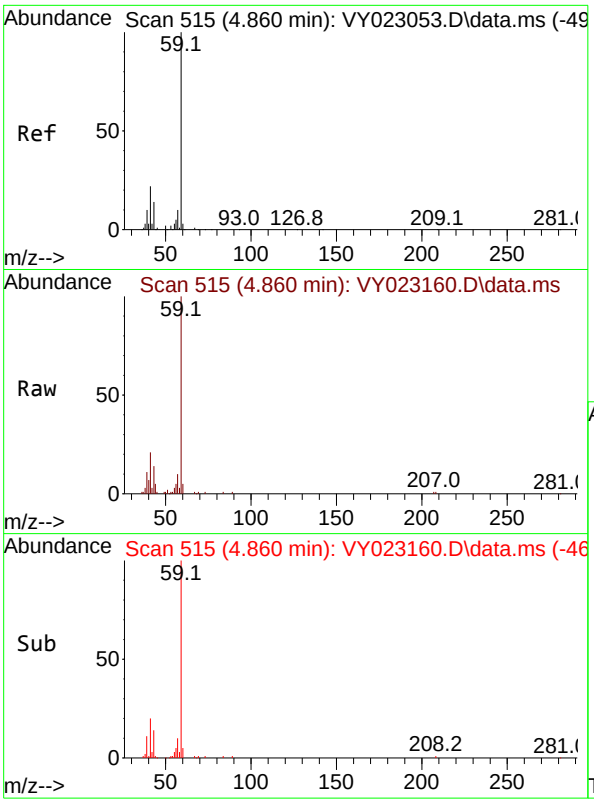


#10
Methyl Iodide
Concen: 54.928 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:142 Resp: 263764

Ion	Ratio	Lower	Upper
142	100		
127	45.1	34.9	52.3
141	14.6	11.3	16.9



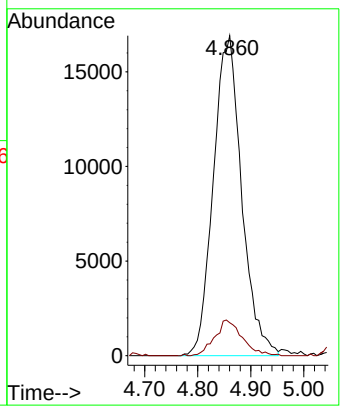


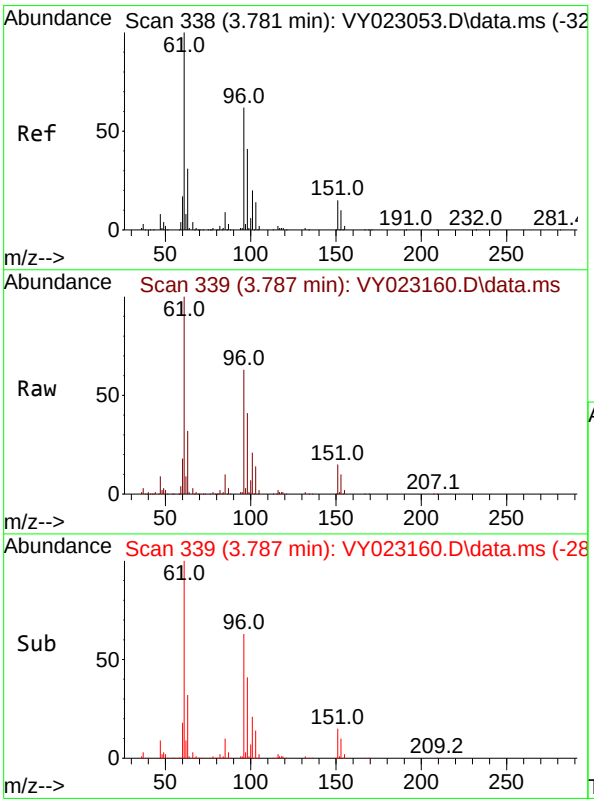
#11
Tert butyl alcohol
Concen: 211.323 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 62641

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

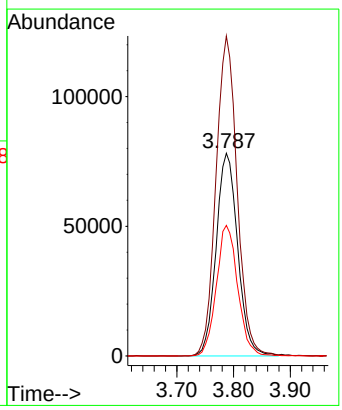


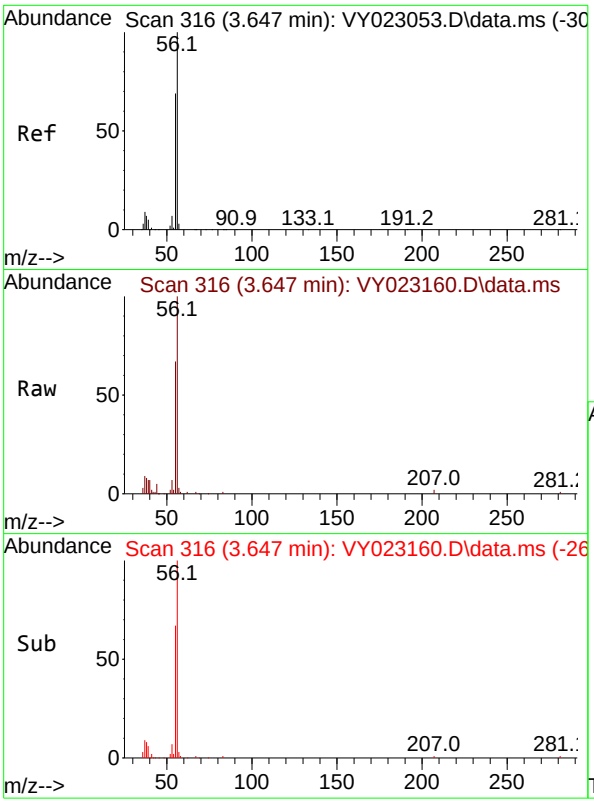


#12
1,1-Dichloroethene
Concen: 47.120 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 96 Resp: 206109

Ion	Ratio	Lower	Upper
96	100		
61	157.9	129.4	194.2
98	64.4	52.8	79.2



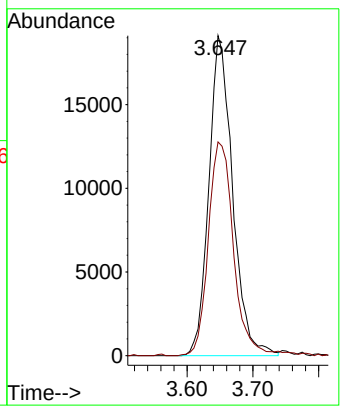


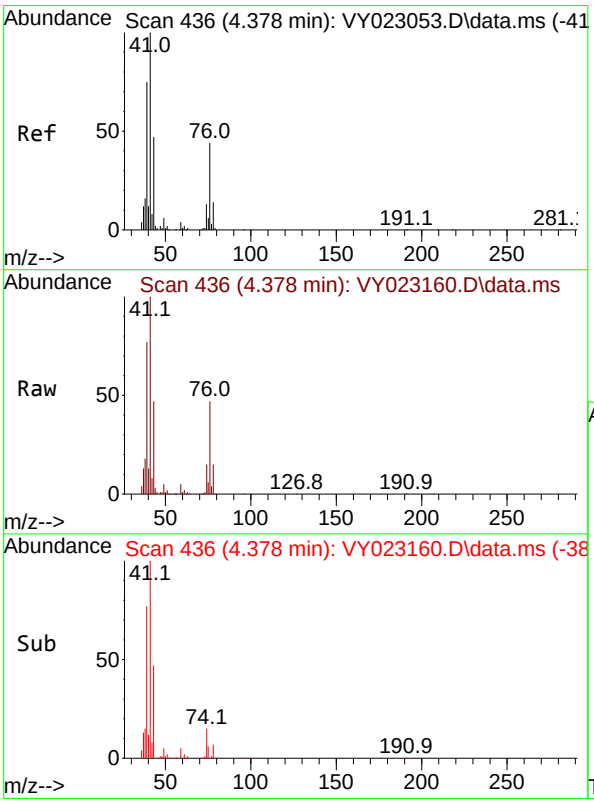
#13
Acrolein
Concen: 110.581 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 48005

Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.2	82.8

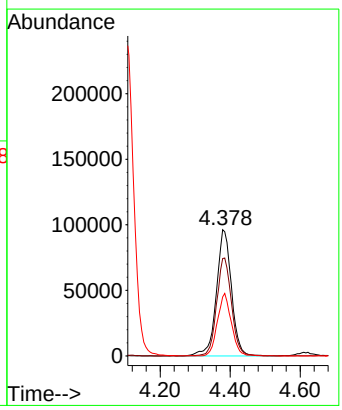


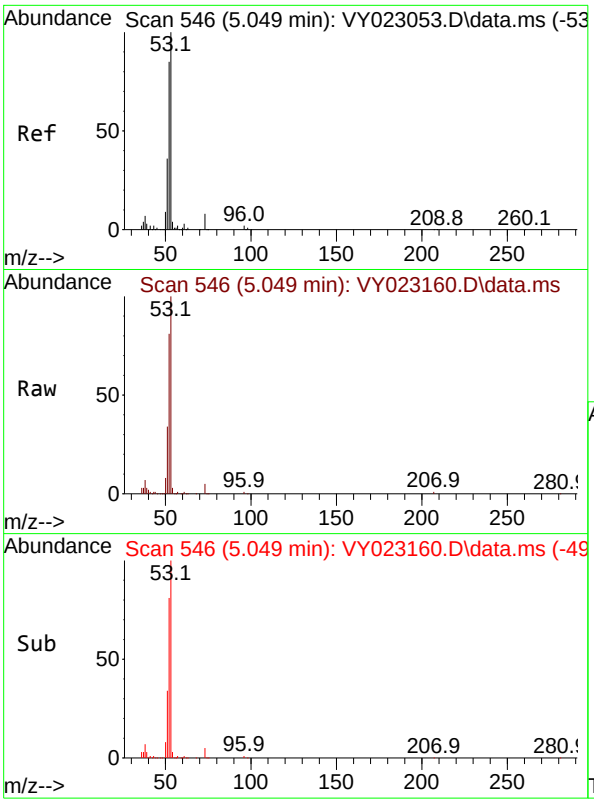


#14
Allyl chloride
Concen: 44.800 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 288345

Ion	Ratio	Lower	Upper
41	100		
39	76.3	59.8	89.6
76	45.6	33.7	50.5



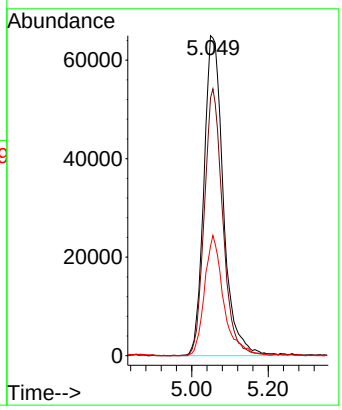


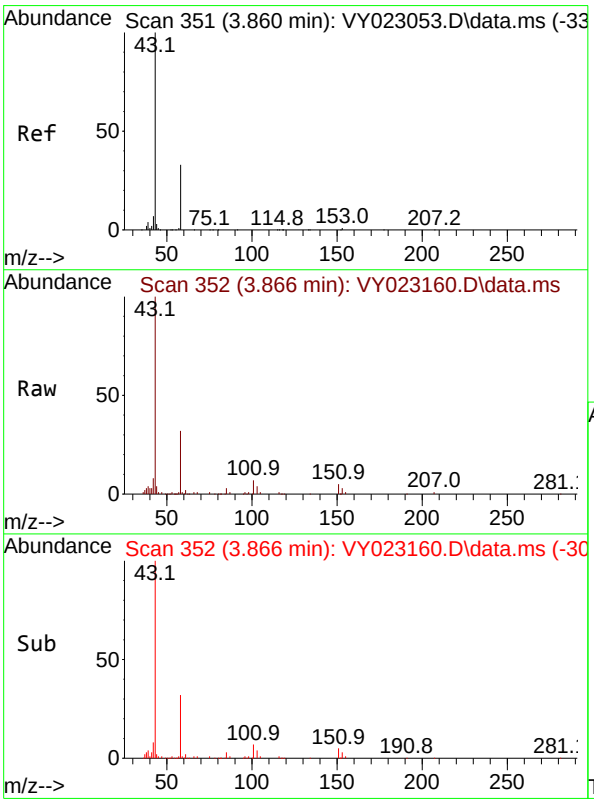
#15
Acrylonitrile
Concen: 235.673 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 228651

Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.3	97.9
51	37.0	29.5	44.3

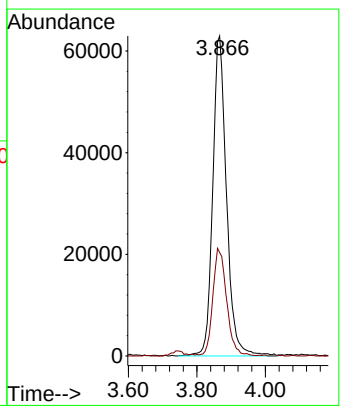


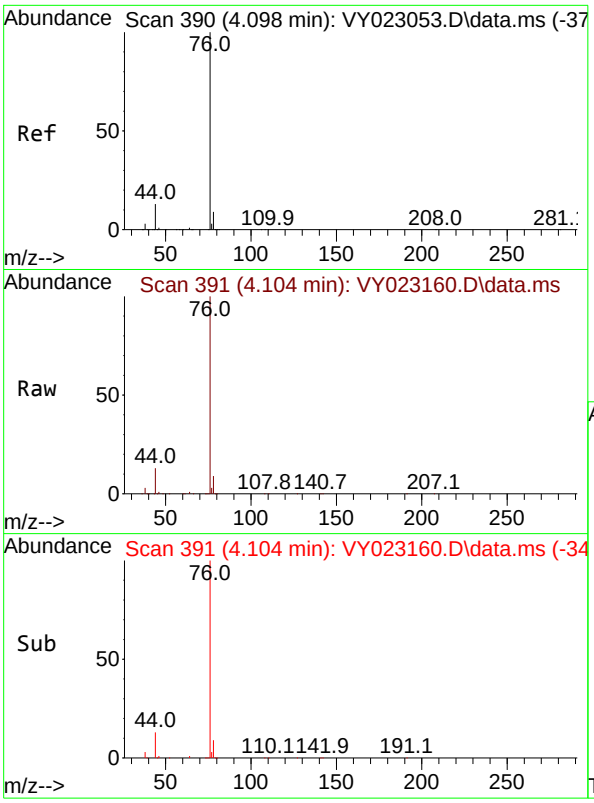


#16
Acetone
Concen: 187.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 175331

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.1	40.7



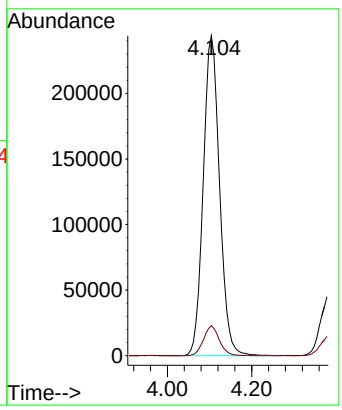


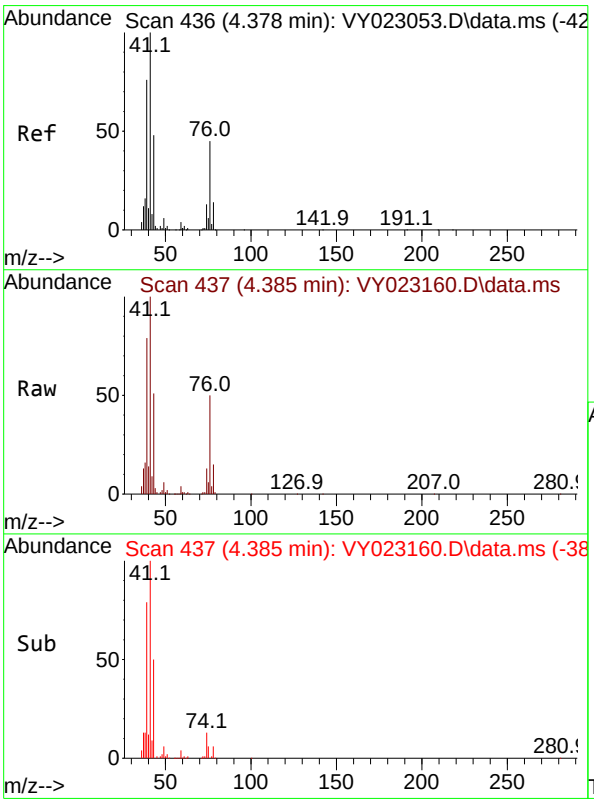
#17
Carbon Disulfide
Concen: 46.066 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 657020

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

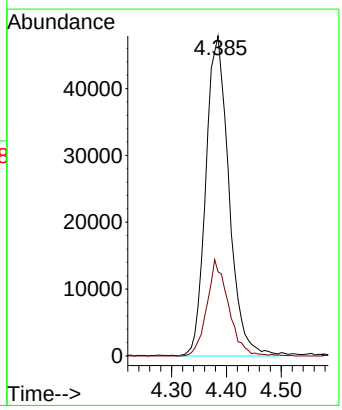


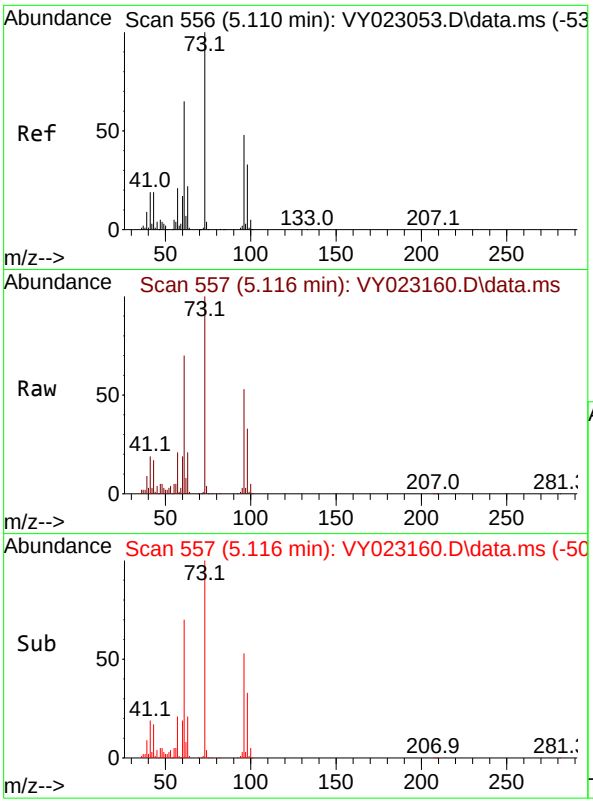


#18
Methyl Acetate
Concen: 50.290 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 140261

Ion	Ratio	Lower	Upper
43	100		
74	28.1	21.2	31.8



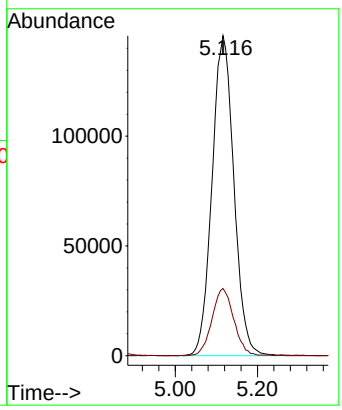


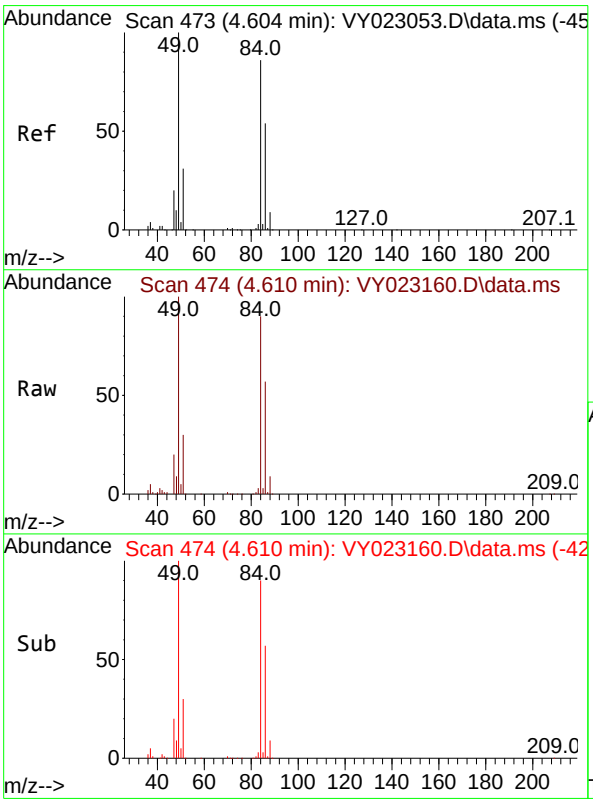
#19
Methyl tert-butyl Ether
Concen: 47.480 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 538168

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.1	25.7

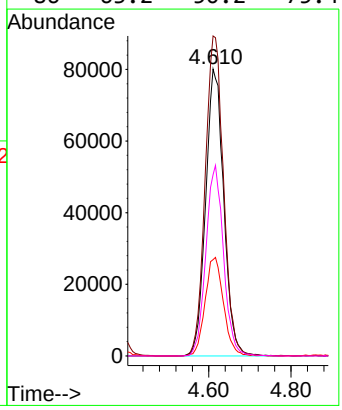


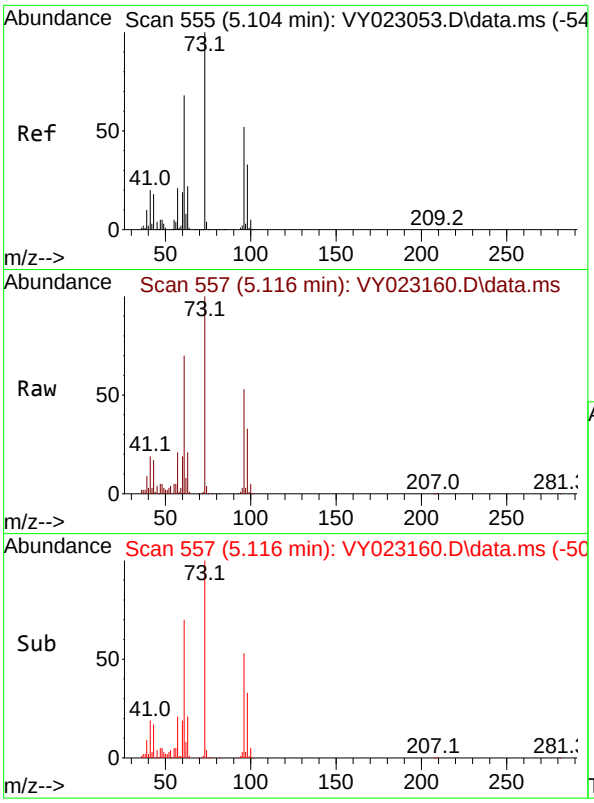


#20
Methylene Chloride
Concen: 50.247 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 84 Resp: 244646

Ion	Ratio	Lower	Upper
84	100		
49	111.5	93.0	139.6
51	33.6	29.0	43.4
86	63.2	50.2	75.4



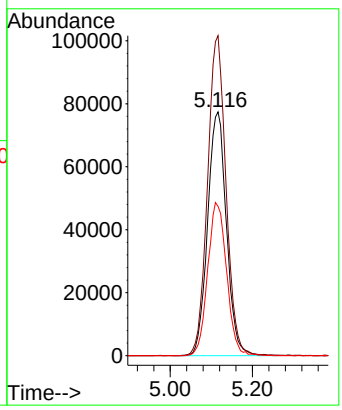


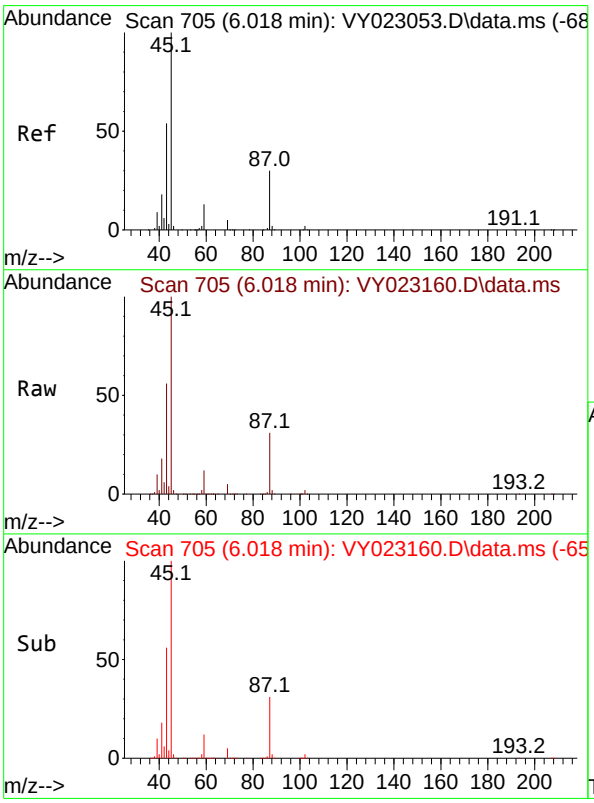
#21
trans-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 246365

Ion	Ratio	Lower	Upper
96	100		
61	131.2	104.8	157.2
98	61.2	50.1	75.1

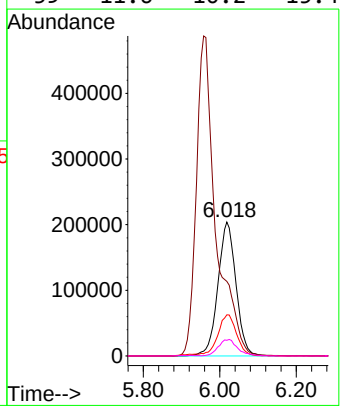


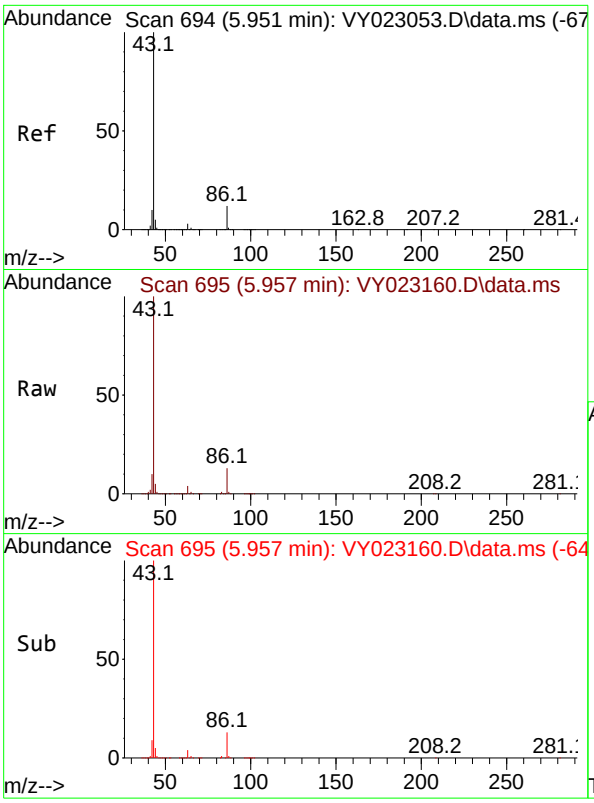


#22
Diisopropyl ether
Concen: 47.919 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 45 Resp: 670200

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.4	65.0
87	30.7	24.4	36.6
59	11.6	10.2	15.4



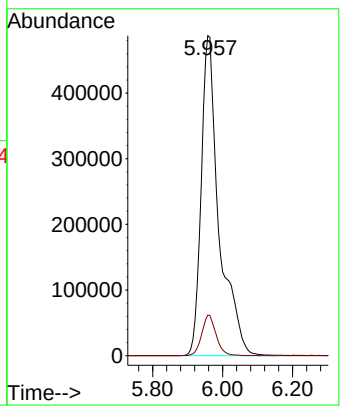


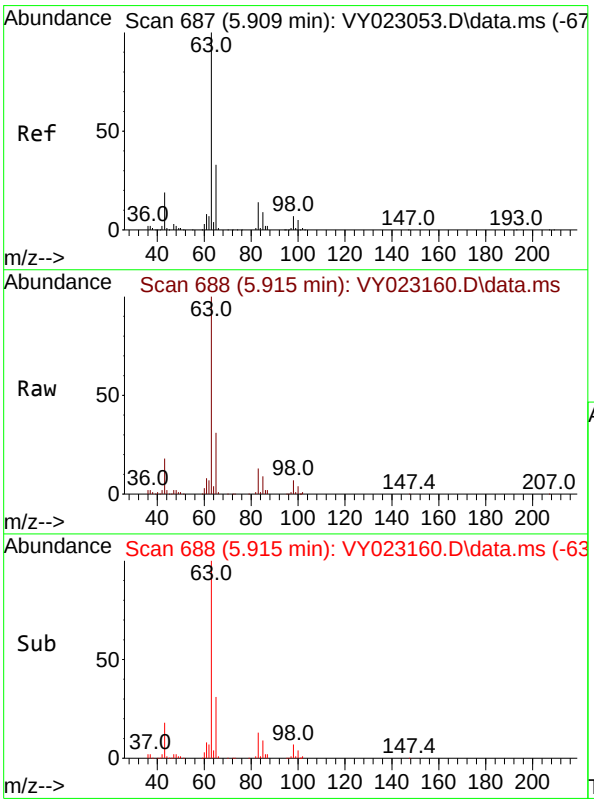
#23
Vinyl Acetate
Concen: 223.289 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1726827

Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.6	14.4

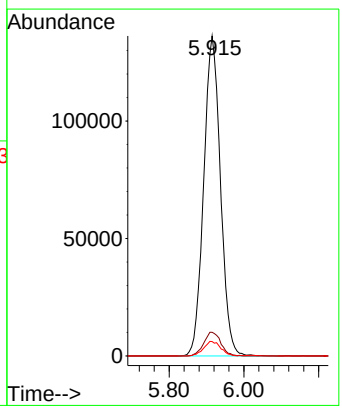


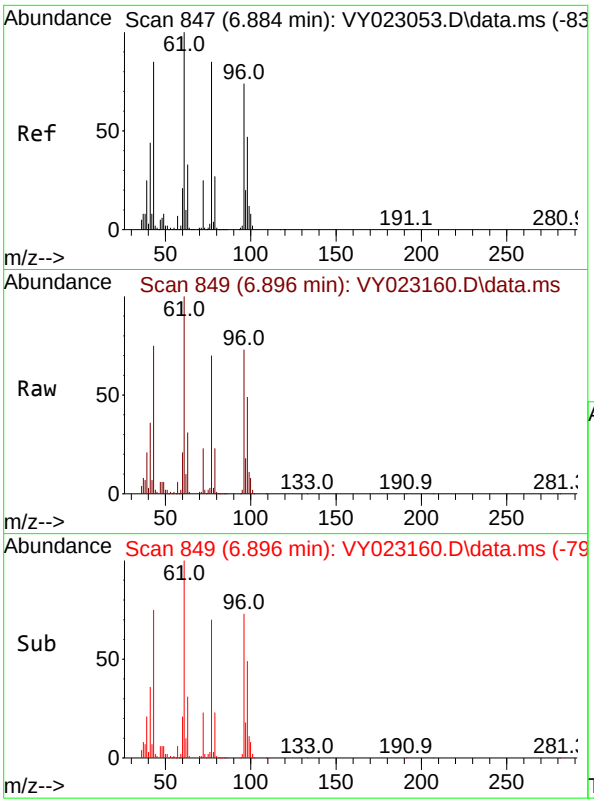


#24
1,1-Dichloroethane
Concen: 49.522 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 423462

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.5	2.4	7.1



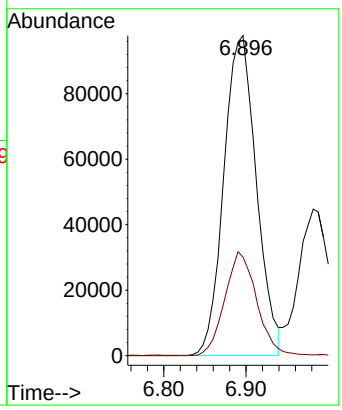


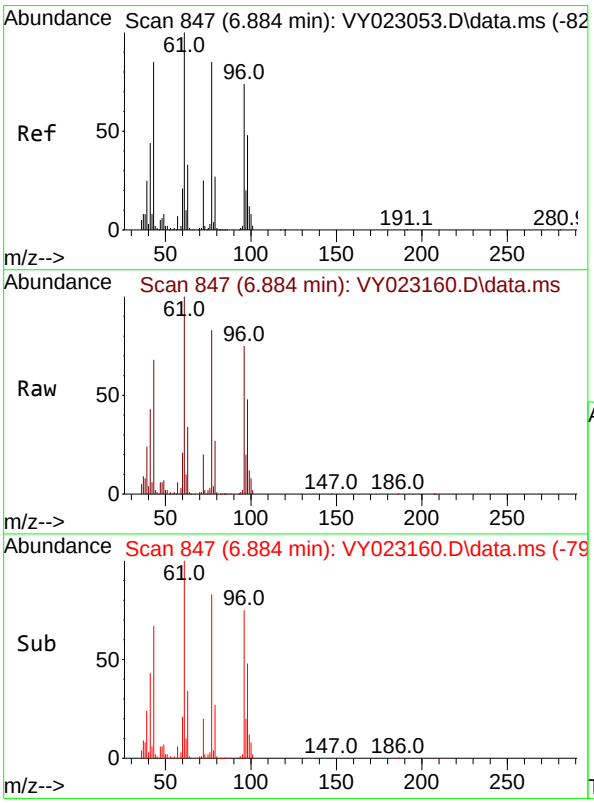
#25
2-Butanone
Concen: 210.456 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 268264

Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.5	35.3

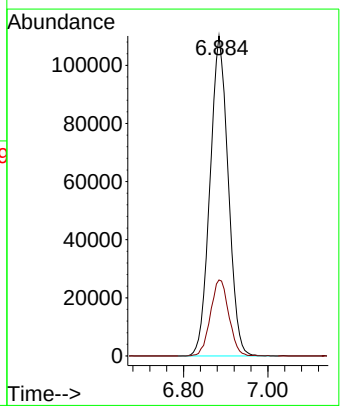


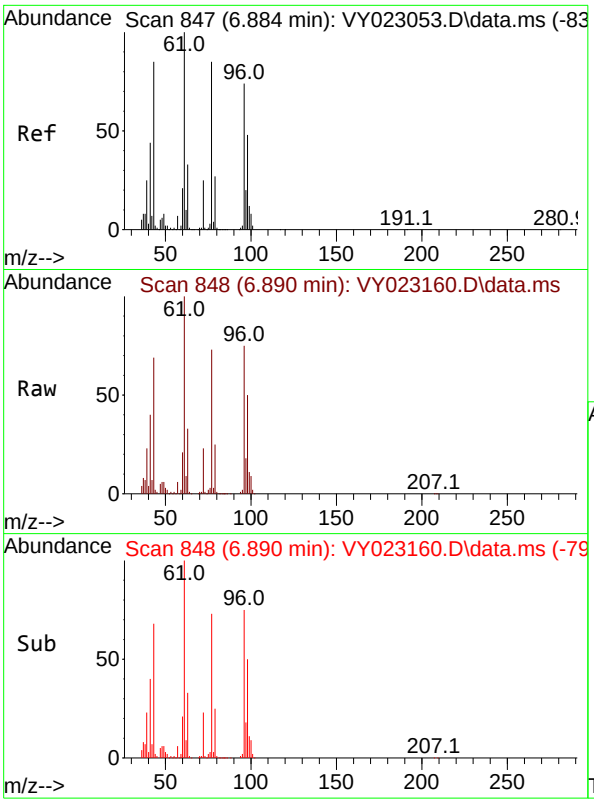


#26
2,2-Dichloropropane
Concen: 44.729 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 77 Resp: 330025

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.8



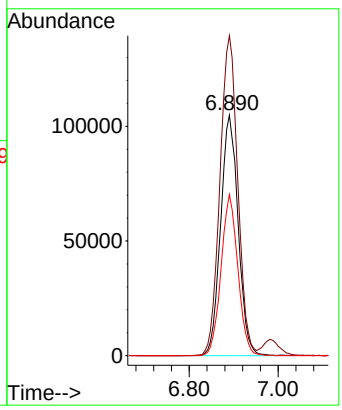


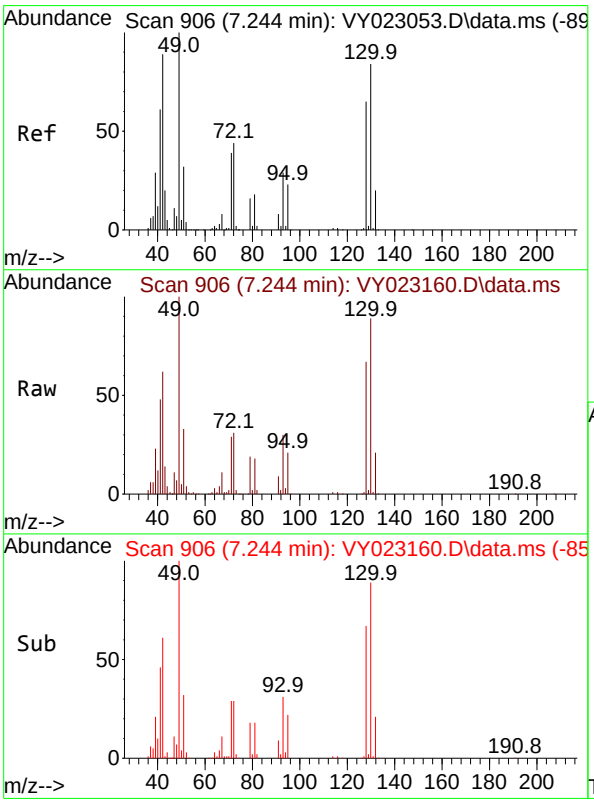
#27
cis-1,2-Dichloroethene
Concen: 50.390 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 286353

Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	278.6
98	64.2	0.0	130.4

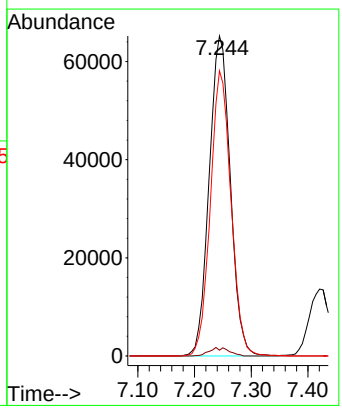


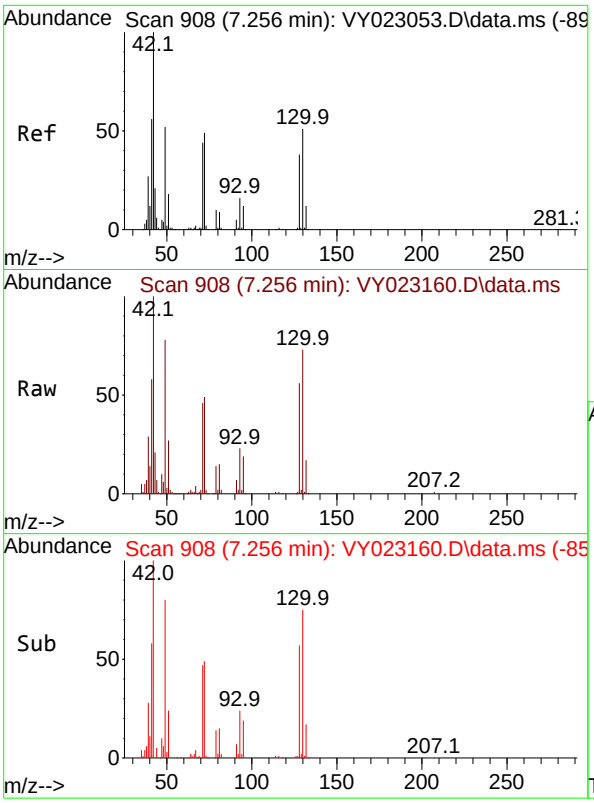


#28
Bromochloromethane
Concen: 49.712 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 49 Resp: 168646

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	87.0	66.4	99.6



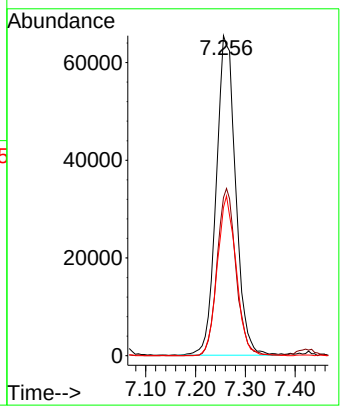


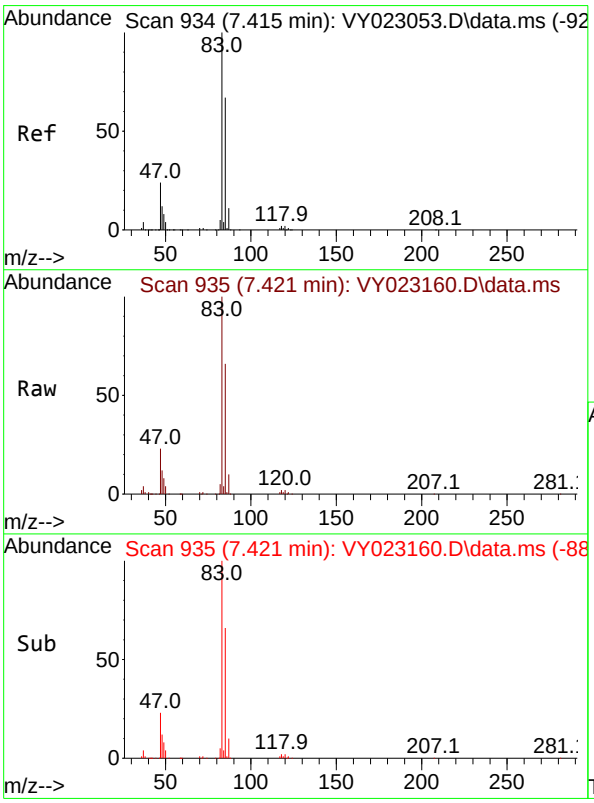
#29
Tetrahydrofuran
Concen: 223.965 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 176959

Ion	Ratio	Lower	Upper
42	100		
72	51.0	39.4	59.2
71	48.7	36.5	54.7

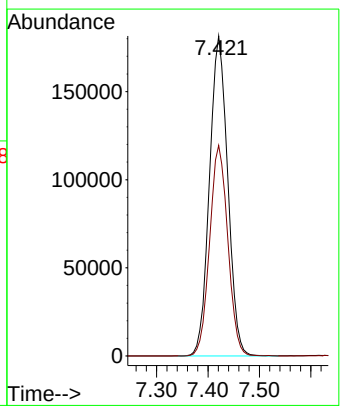


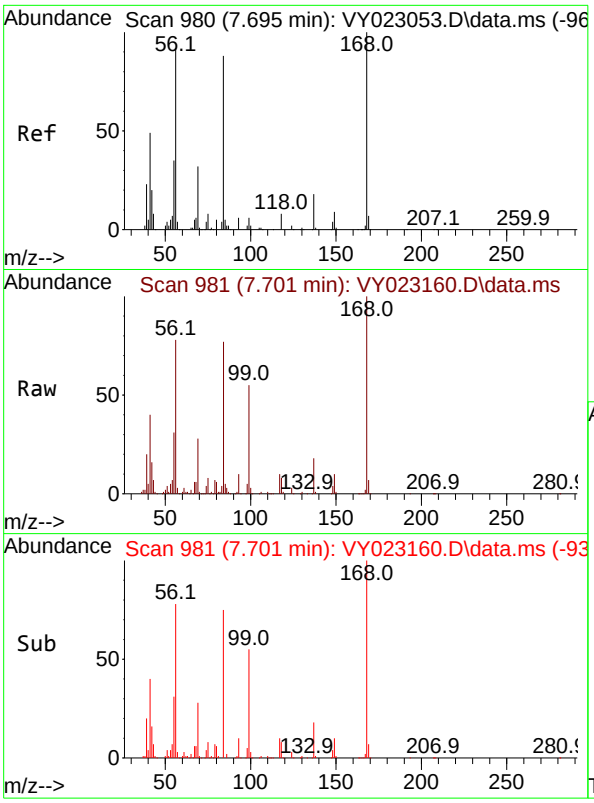


#30
Chloroform
Concen: 50.699 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 83 Resp: 447102

Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8



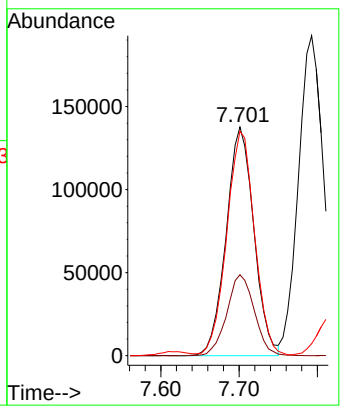


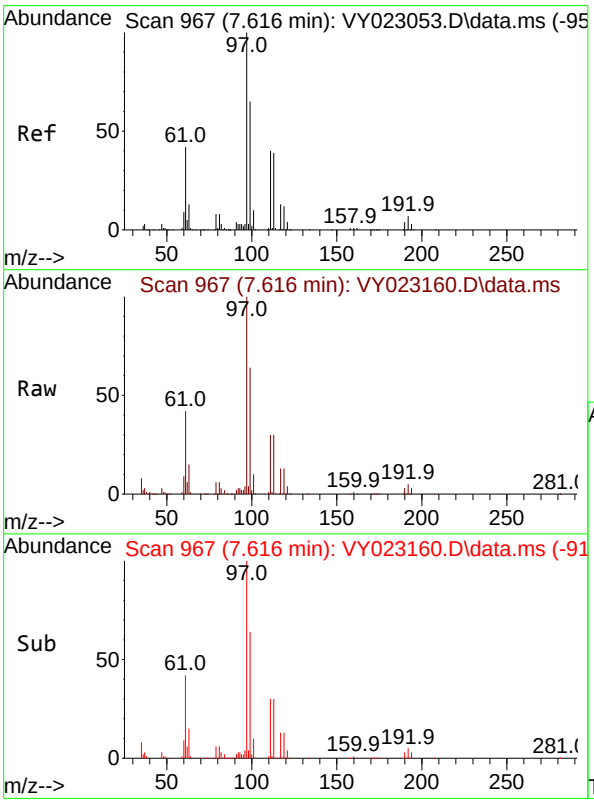
#31
Cyclohexane
Concen: 42.047 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 338813

Ion	Ratio	Lower	Upper
56	100		
69	35.4	28.2	42.2
84	96.4	76.6	114.8

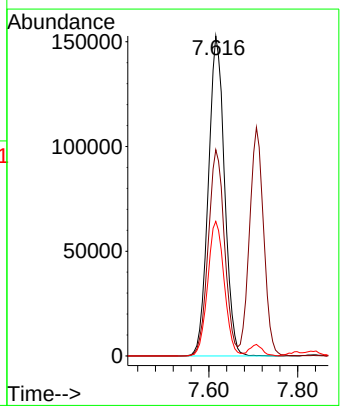


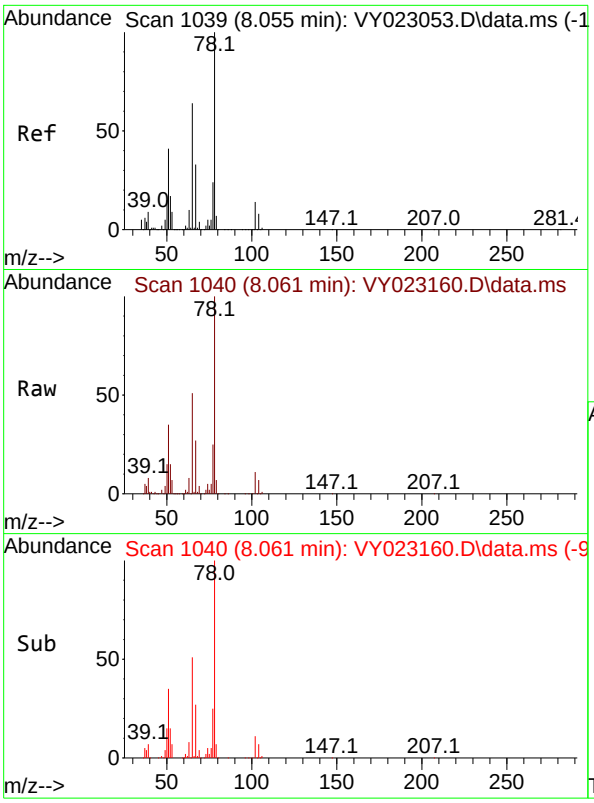


#32
1,1,1-Trichloroethane
Concen: 49.443 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 97 Resp: 386894

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	42.9	34.2	51.2



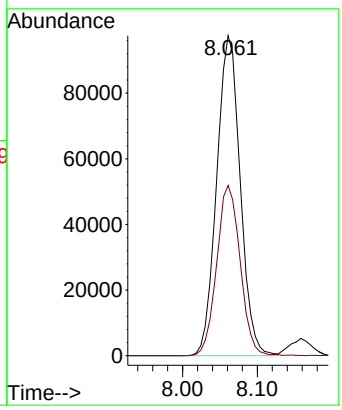


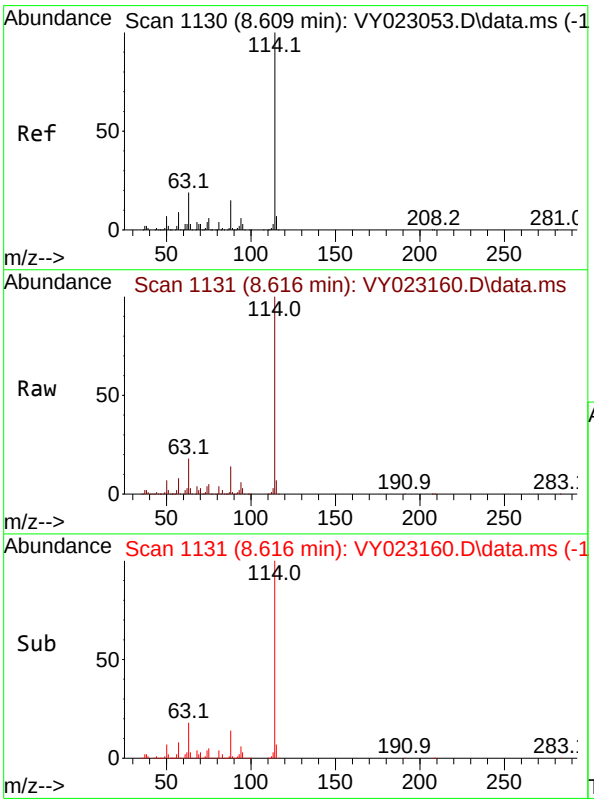
#33
1,2-Dichloroethane-d4
Concen: 49.322 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 213375

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8

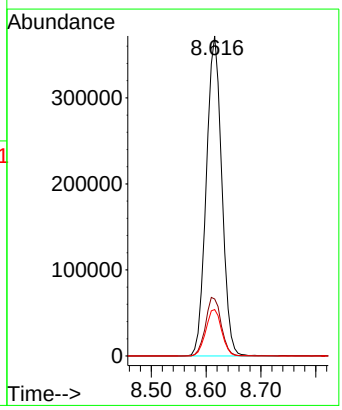


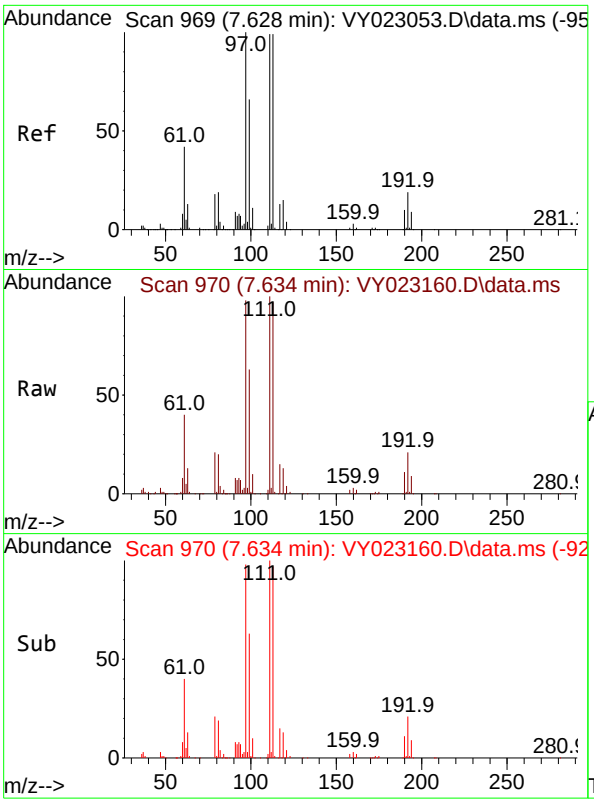


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:114 Resp: 726912

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.4
88	14.5	0.0	30.0



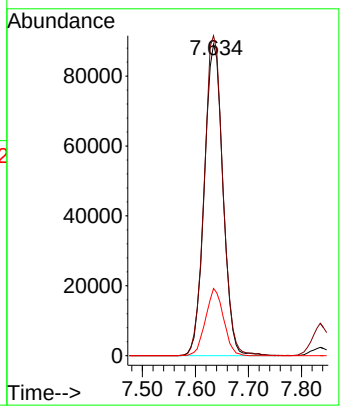


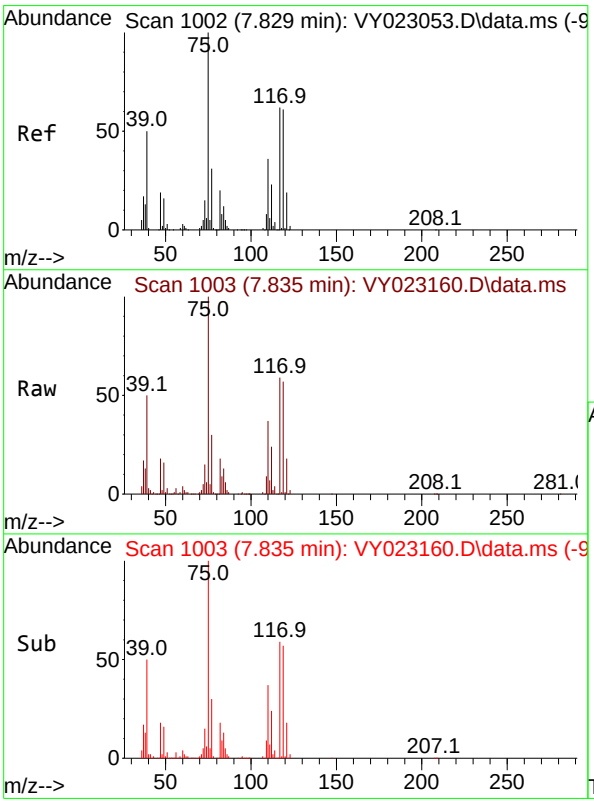
#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 217058

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	20.9	16.2	24.4

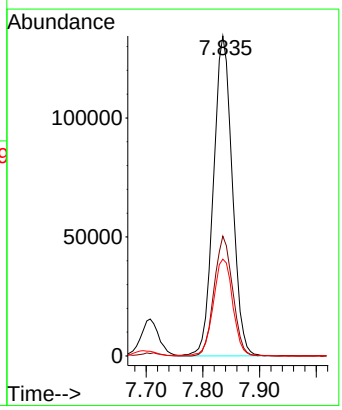


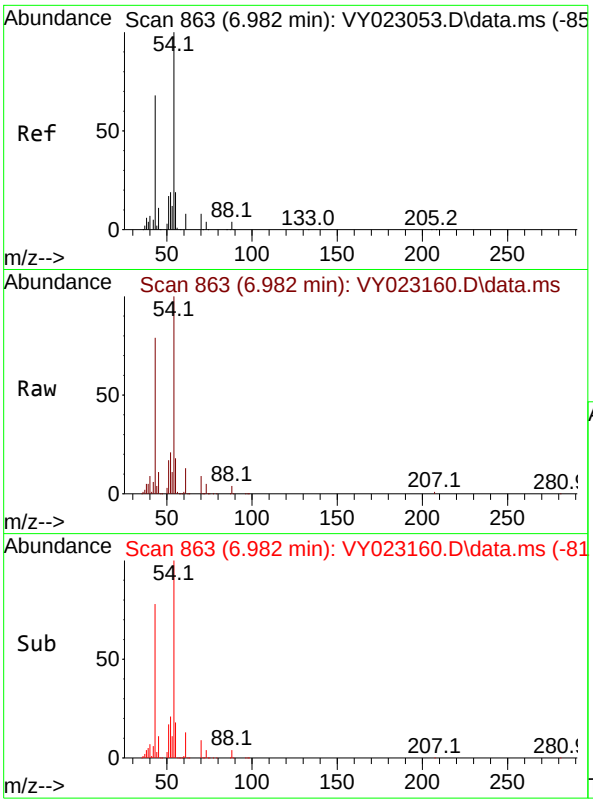


#36
1,1-Dichloropropene
Concen: 47.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 308640

Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.4
77	31.4	24.6	37.0



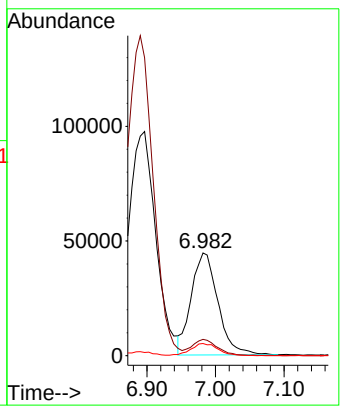


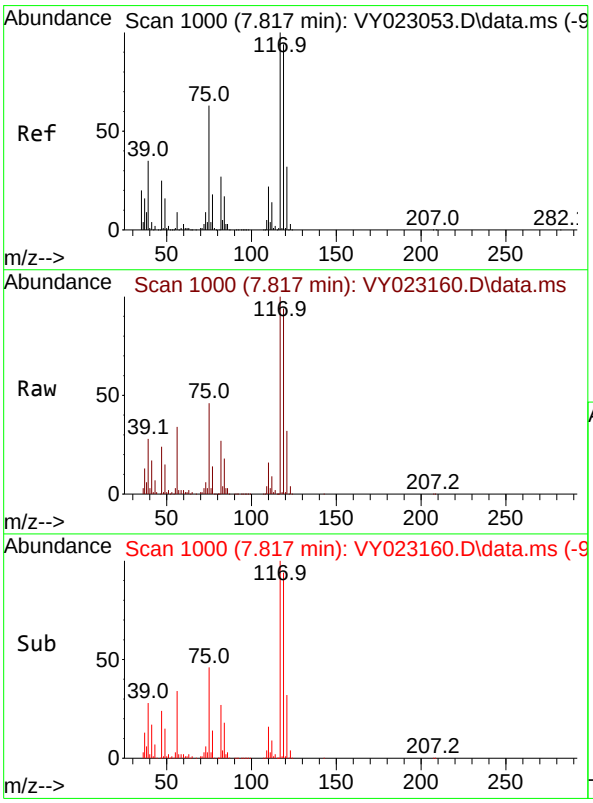
#37
Ethyl Acetate
Concen: 44.444 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 120682

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	12.3	8.8	13.2

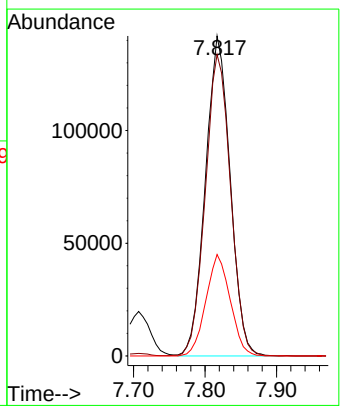


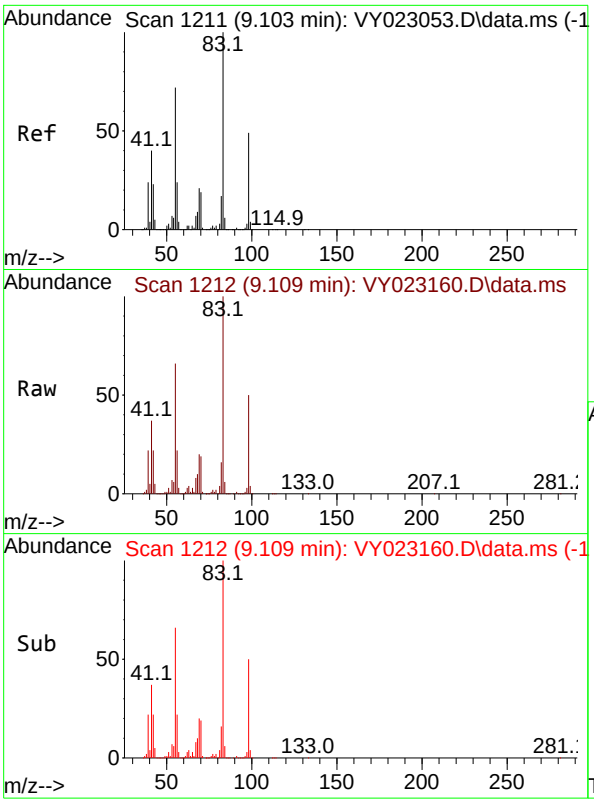


#38
Carbon Tetrachloride
Concen: 48.612 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:117 Resp: 341297

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.6	113.4
121	31.7	25.8	38.8



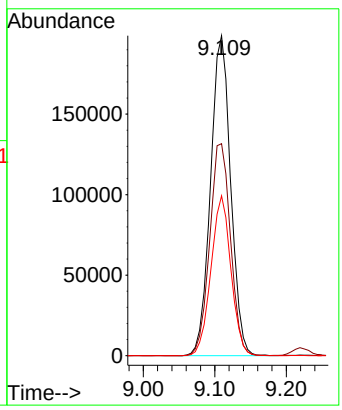


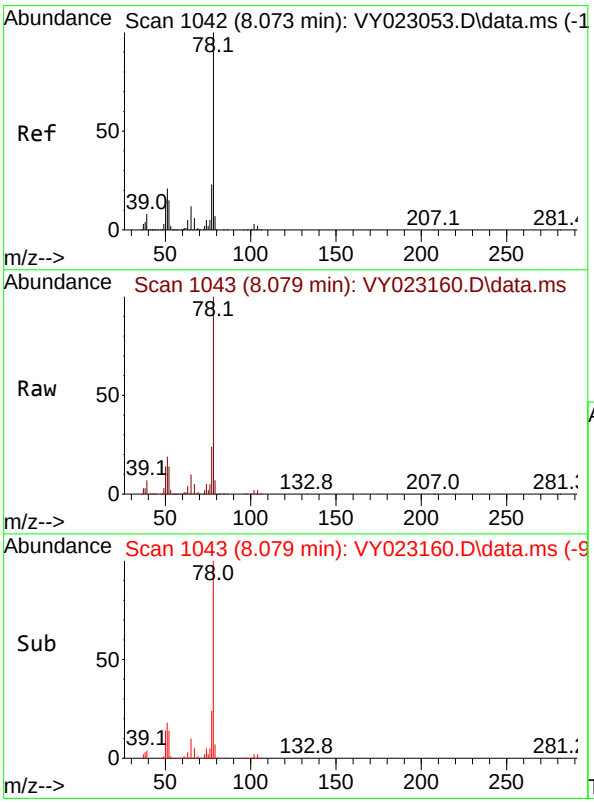
#39
Methylcyclohexane
Concen: 45.580 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 387997

Ion	Ratio	Lower	Upper
83	100		
55	66.2	57.6	86.4
98	49.9	39.2	58.8

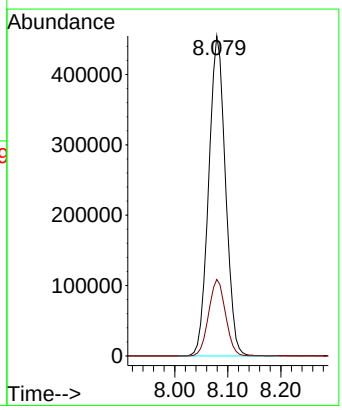


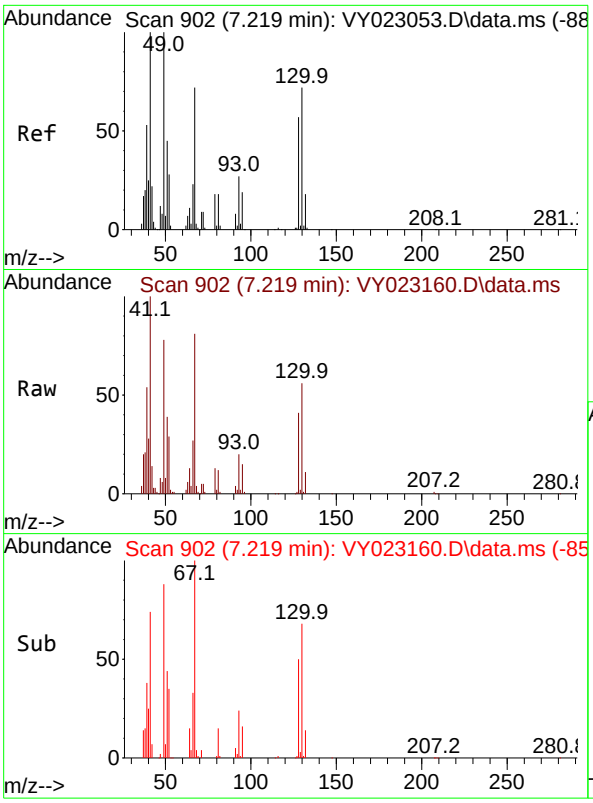


#40
Benzene
Concen: 50.170 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 78 Resp: 999546

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0



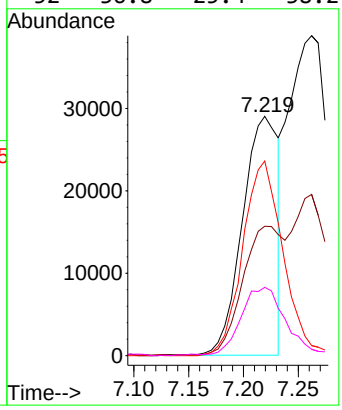


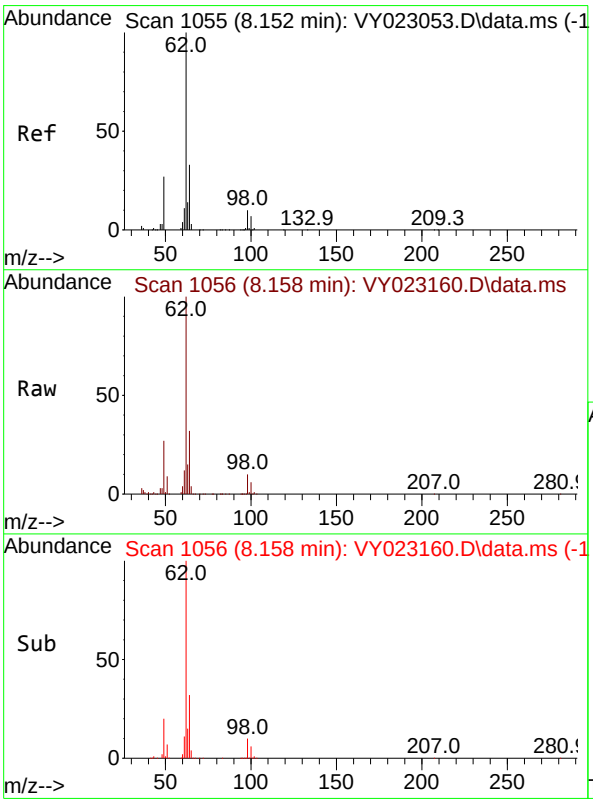
#41
Methacrylonitrile
Concen: 41.877 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 65626

Ion	Ratio	Lower	Upper
41	100		
39	62.3	43.4	65.2
67	92.6	63.6	95.4
52	36.8	25.4	38.2

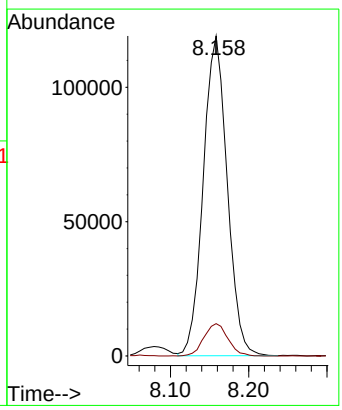


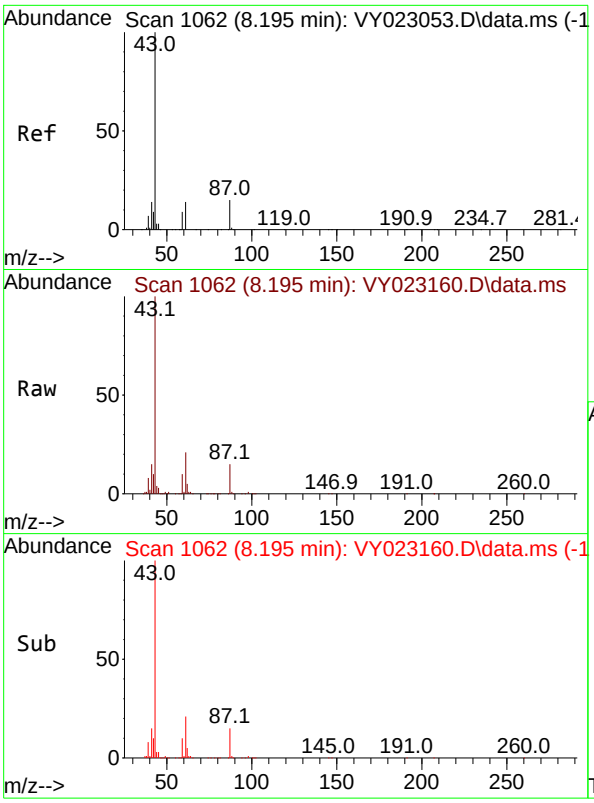


#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 253049

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



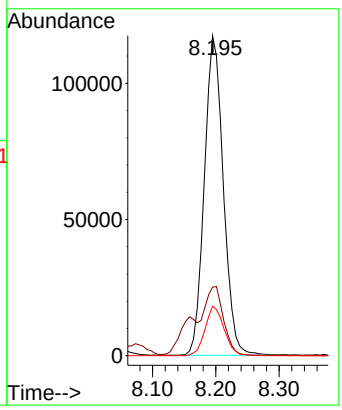


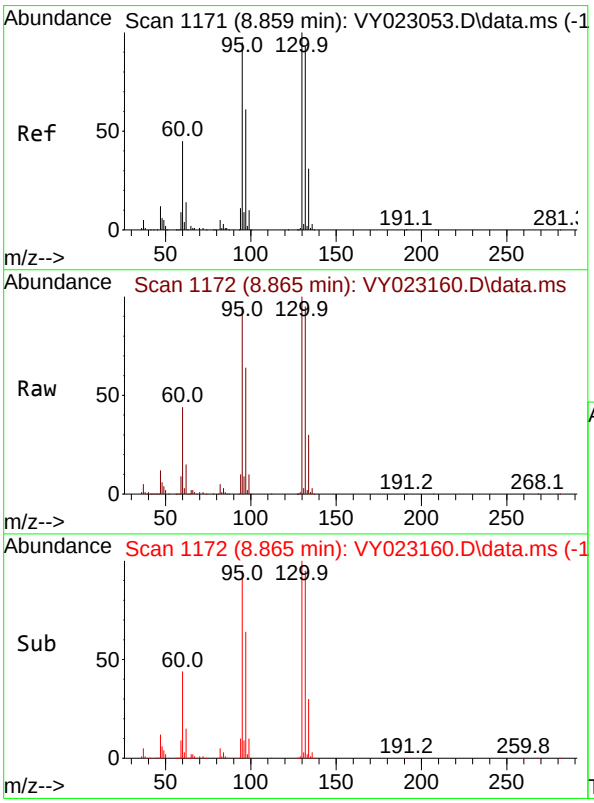
#43
Isopropyl Acetate
Concen: 44.694 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 245293

Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	15.5	11.8	17.6

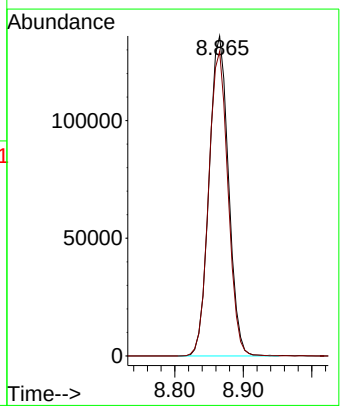


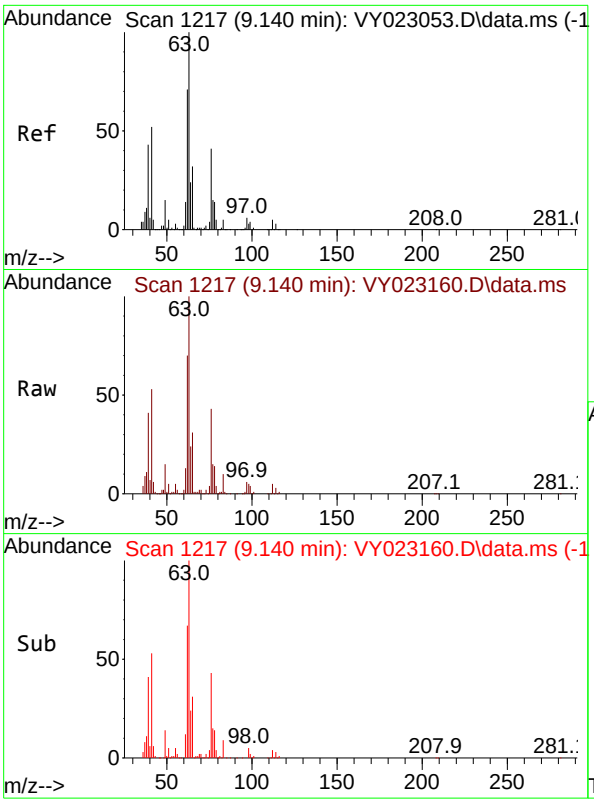


#44
Trichloroethene
Concen: 51.782 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:130 Resp: 266609

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.2



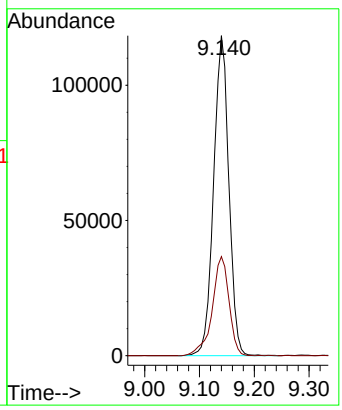


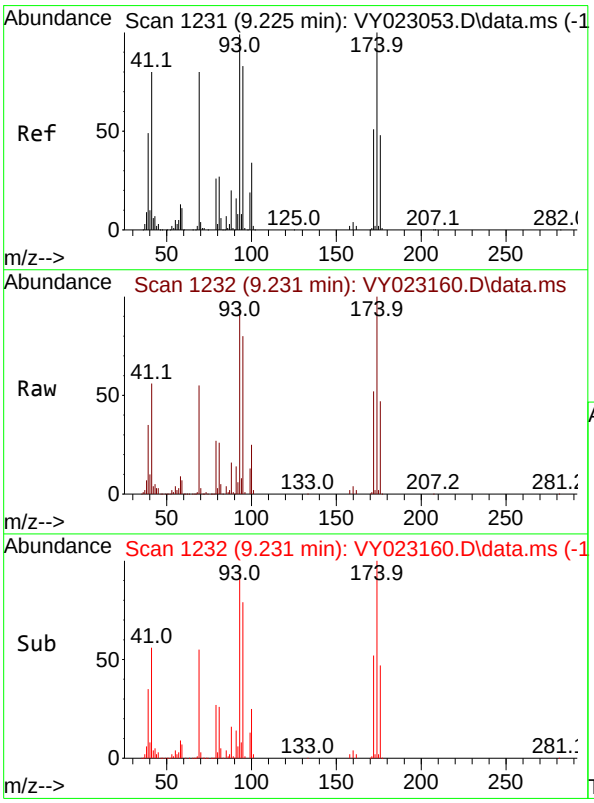
#45
1,2-Dichloropropane
Concen: 49.829 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 228425

Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.3	37.9

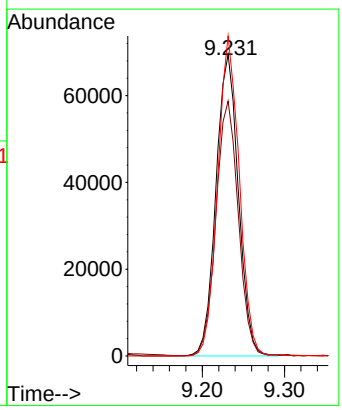


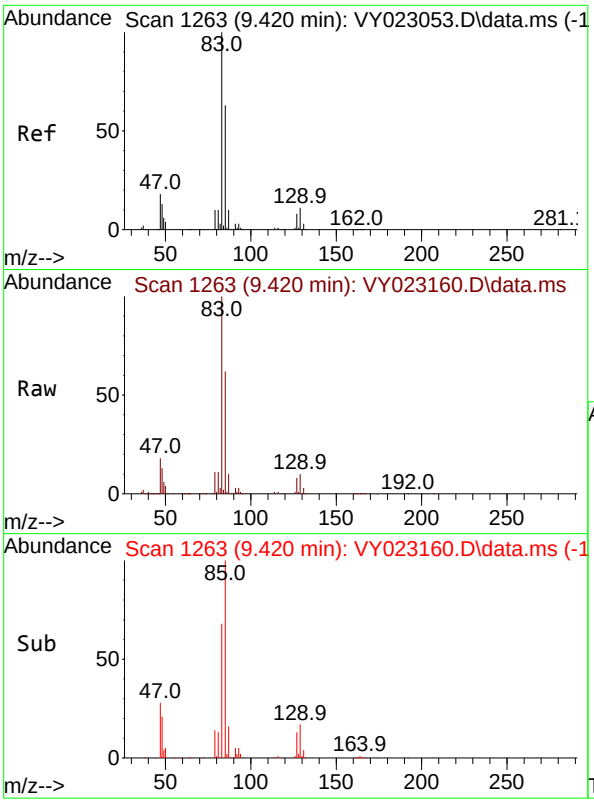


#46
Dibromomethane
Concen: 49.971 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 93 Resp: 131481

Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.5	99.7
174	102.7	81.8	122.8



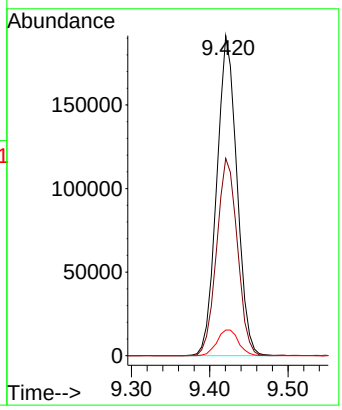


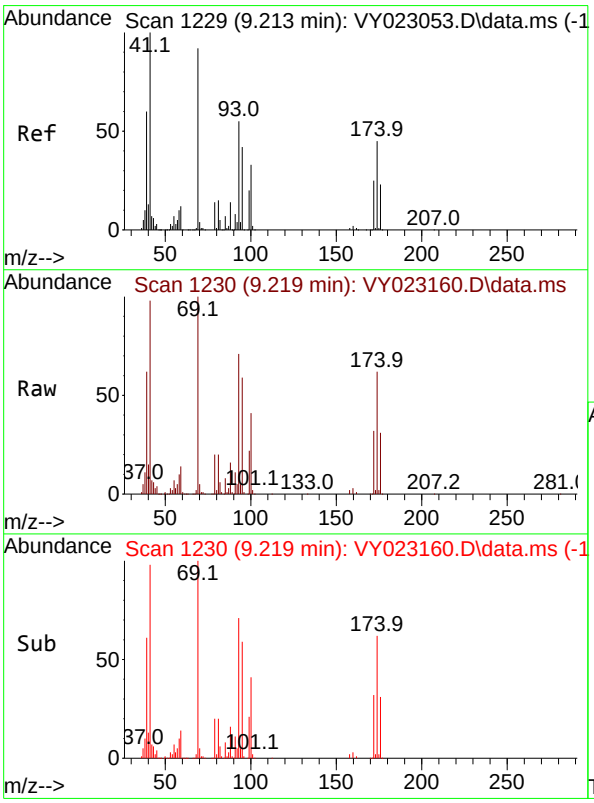
#47
Bromodichloromethane
Concen: 50.703 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 343279

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4
127	8.0	6.6	10.0

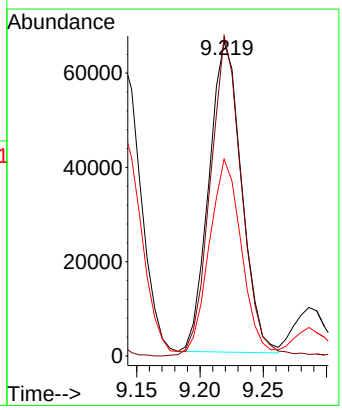


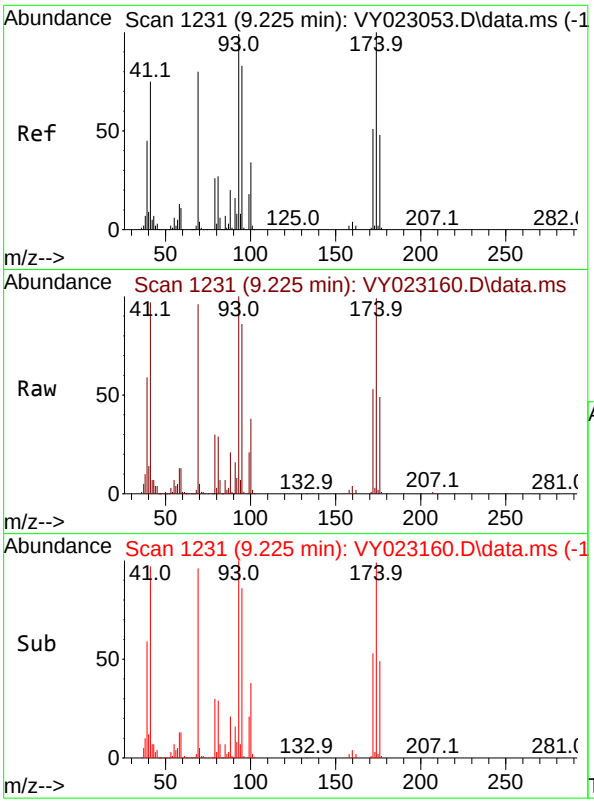


#48
Methyl methacrylate
Concen: 45.021 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 118237

Ion	Ratio	Lower	Upper
41	100		
69	99.0	73.2	109.8
39	59.8	47.0	70.4



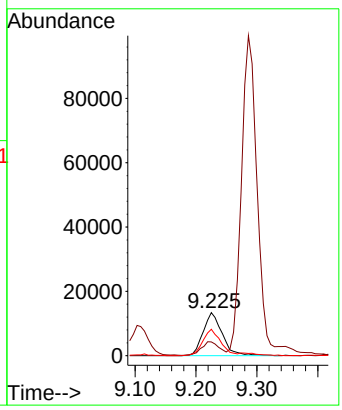


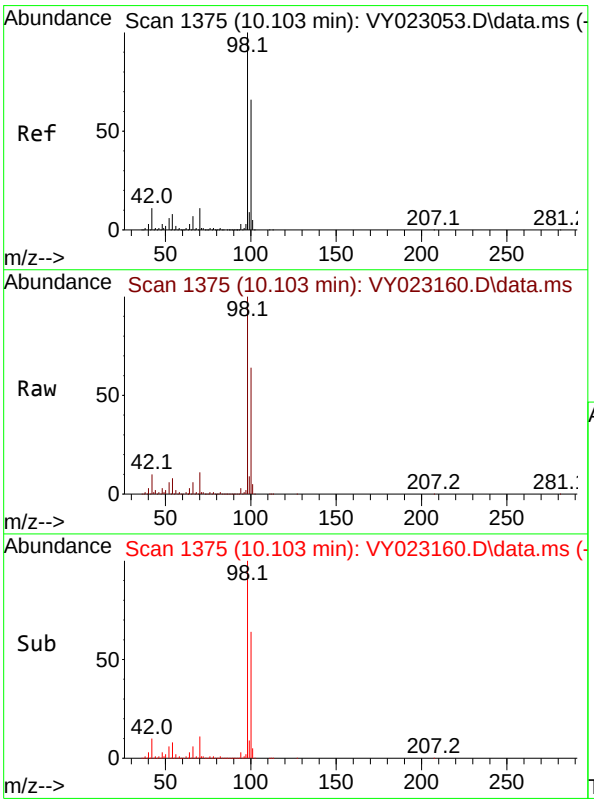
#49
1,4-Dioxane
Concen: 946.444 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 29199

Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.3	36.5
58	57.5	55.4	83.0

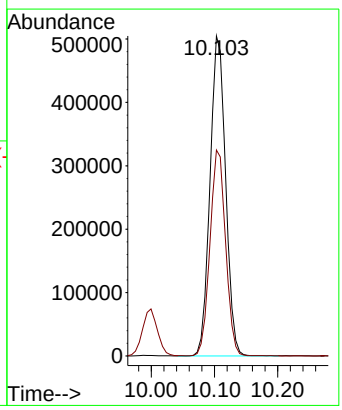


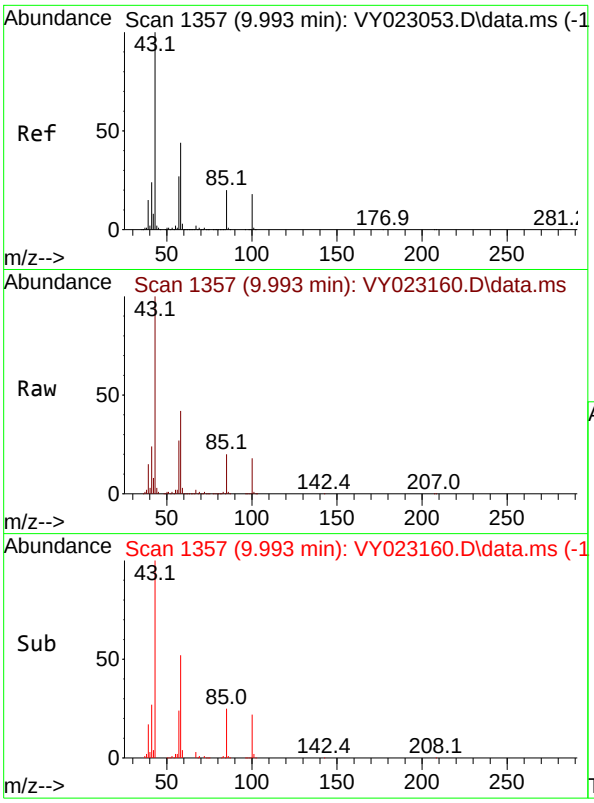


#50
Toluene-d8
Concen: 50.853 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 98 Resp: 864097

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.3	78.5



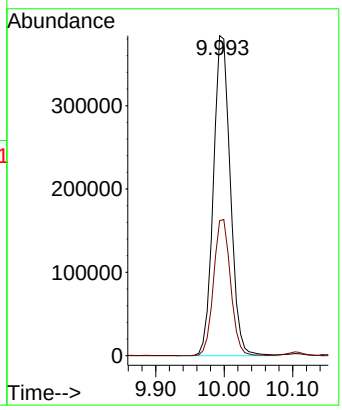


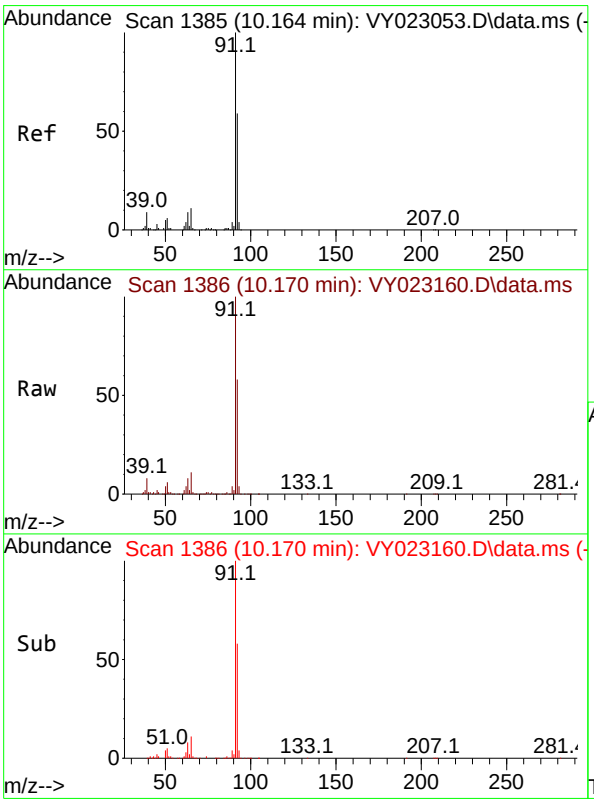
#51
4-Methyl-2-Pentanone
Concen: 231.971 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 656710

Ion	Ratio	Lower	Upper
43	100		
58	42.9	33.5	50.3

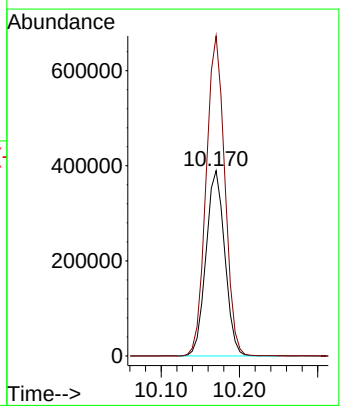


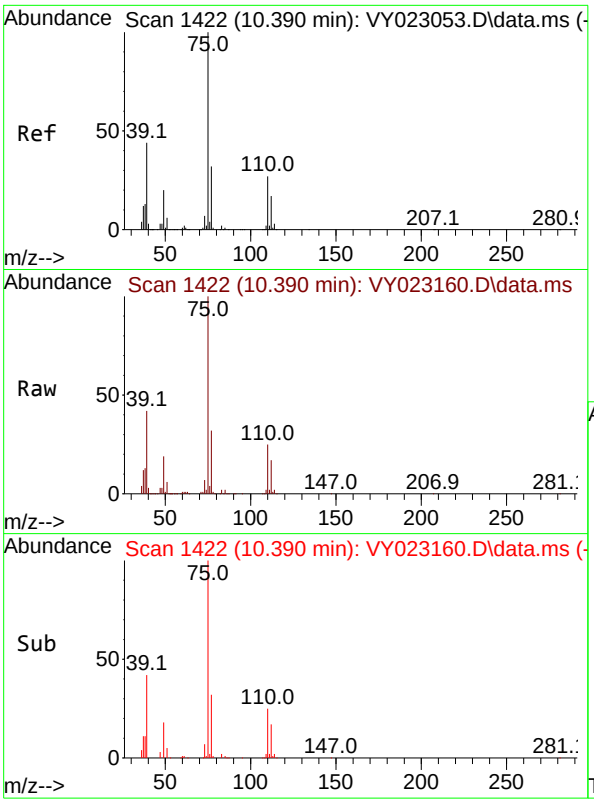


#52
Toluene
Concen: 51.179 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 92 Resp: 647611

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.4	204.6



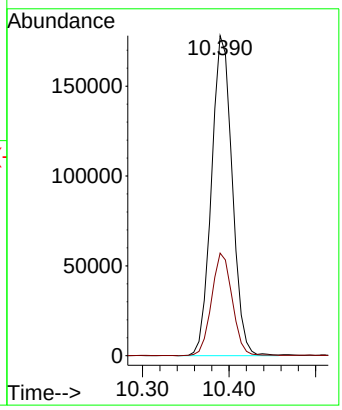


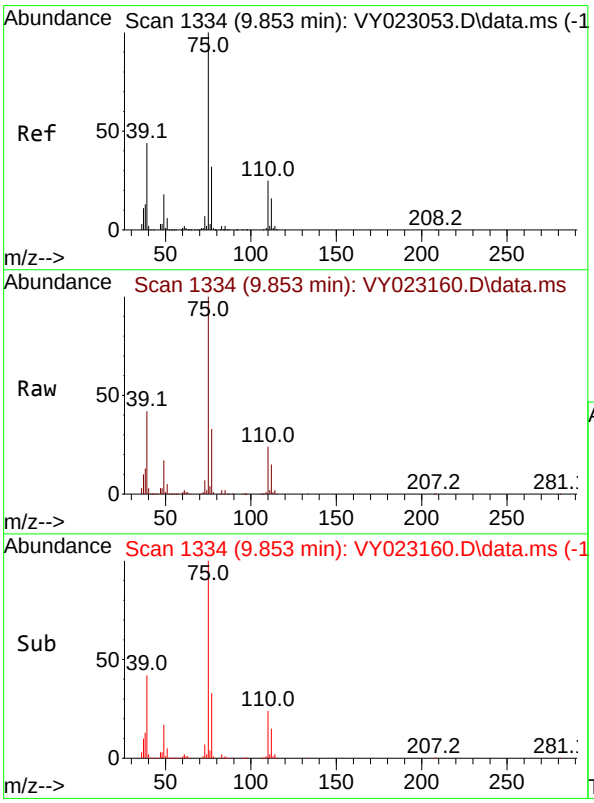
#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 296104

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5

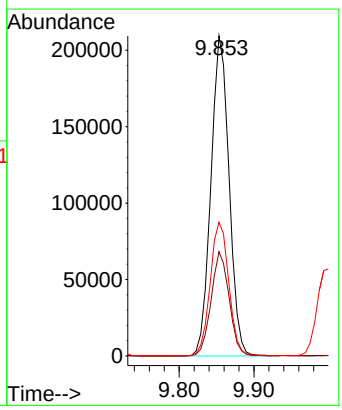


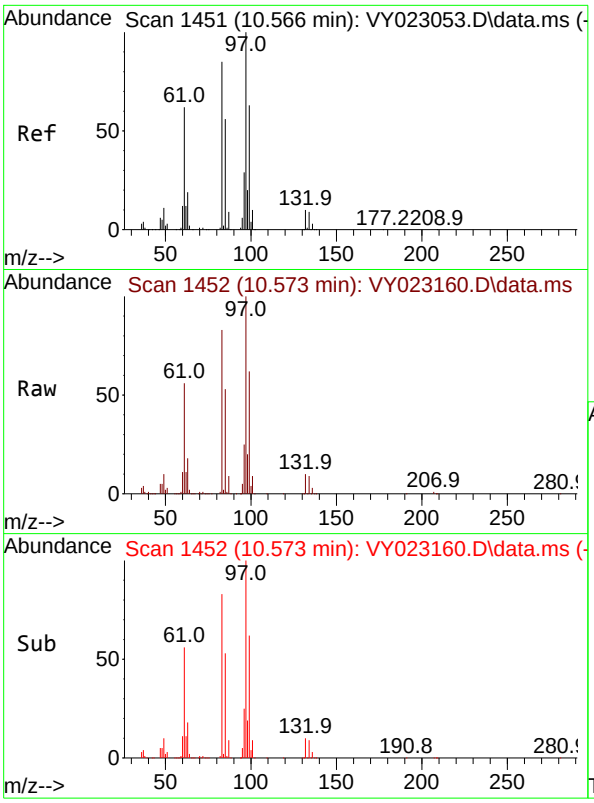


#54
cis-1,3-Dichloropropene
Concen: 48.751 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 353426

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0
39	41.7	35.6	53.4



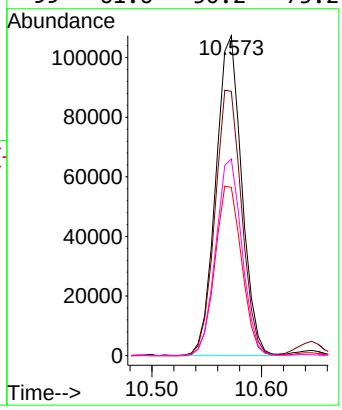


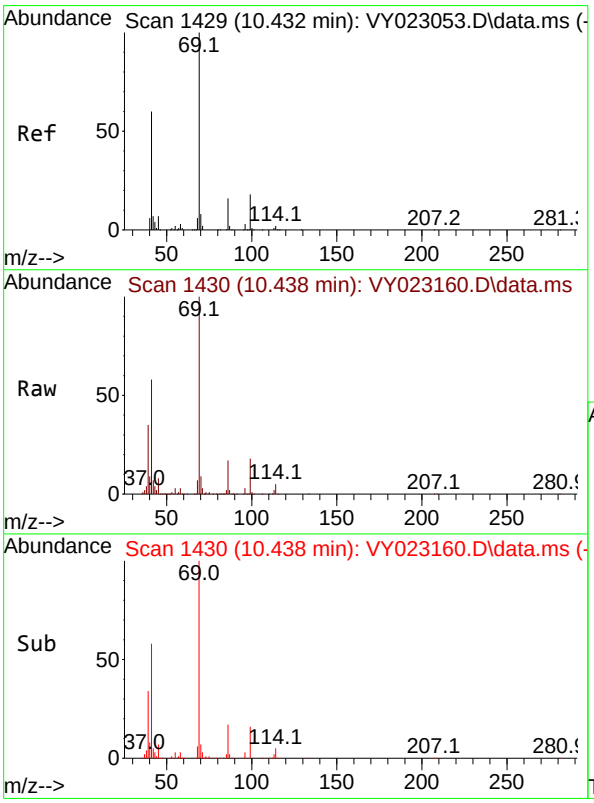
#55
1,1,2-Trichloroethane
Concen: 50.180 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 176672

Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.7	101.5
85	52.7	44.5	66.7
99	61.6	50.2	75.2

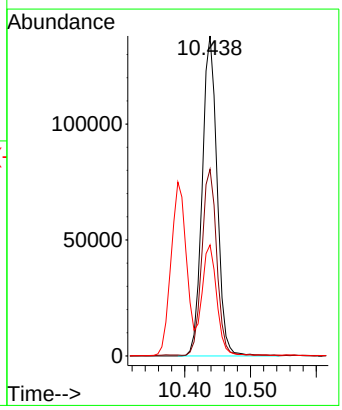


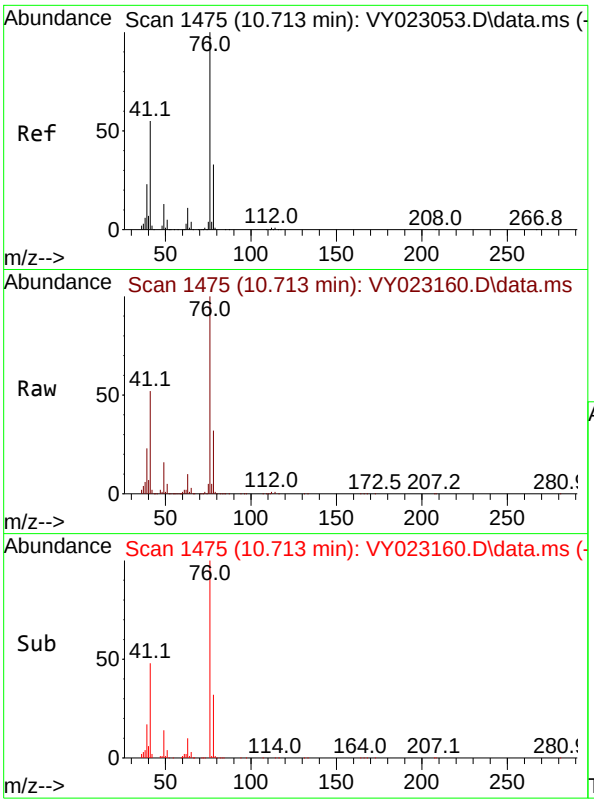


#56
Ethyl methacrylate
Concen: 48.375 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 69 Resp: 217938

Ion	Ratio	Lower	Upper
69	100		
41	58.3	48.6	72.8
39	34.0	27.0	40.4



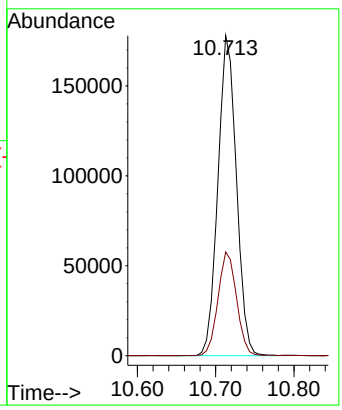


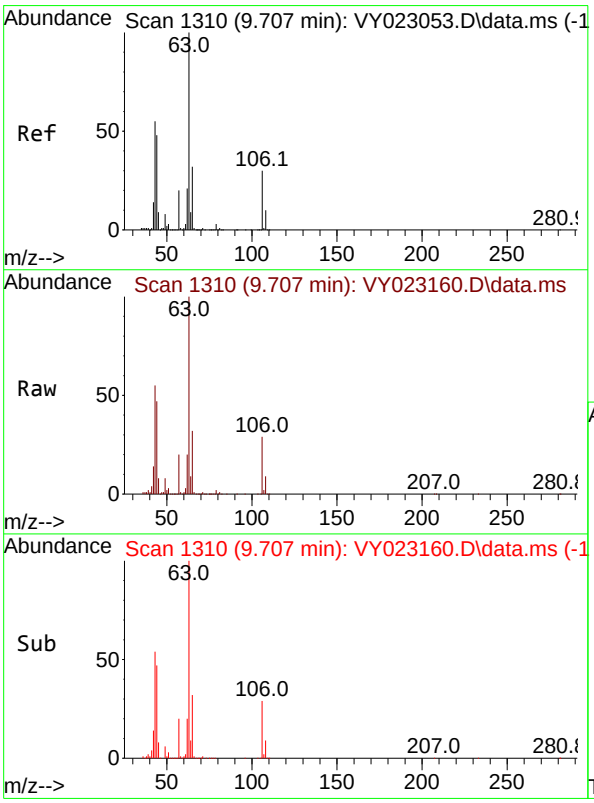
#57
1,3-Dichloropropane
Concen: 48.952 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 292293

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

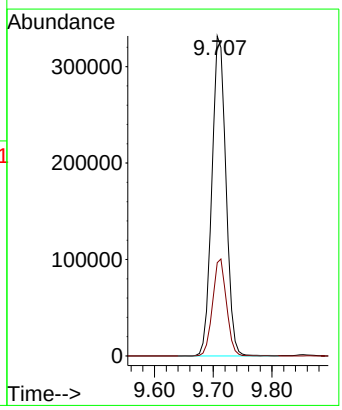


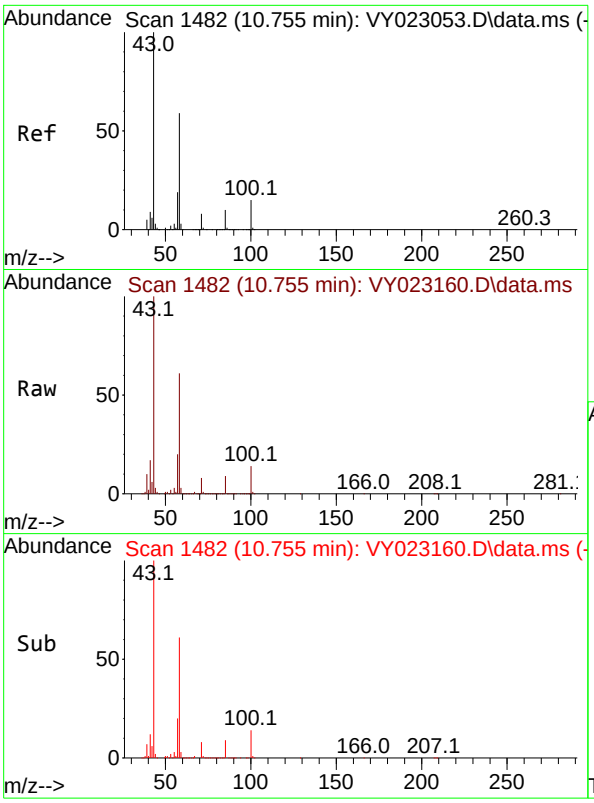


#58
2-Chloroethyl Vinyl ether
Concen: 259.330 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 551100

Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.2	34.8



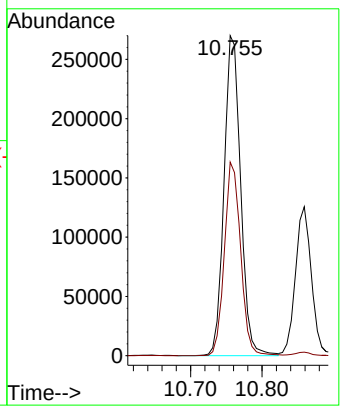


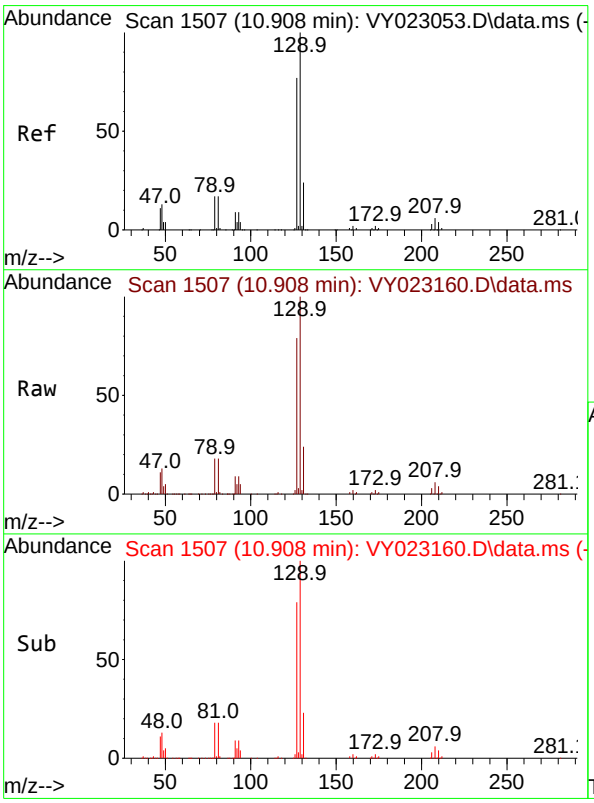
#59
2-Hexanone
Concen: 225.681 ug/l
RT: 10.755 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 435049

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5

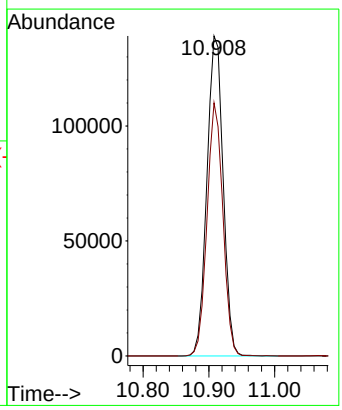


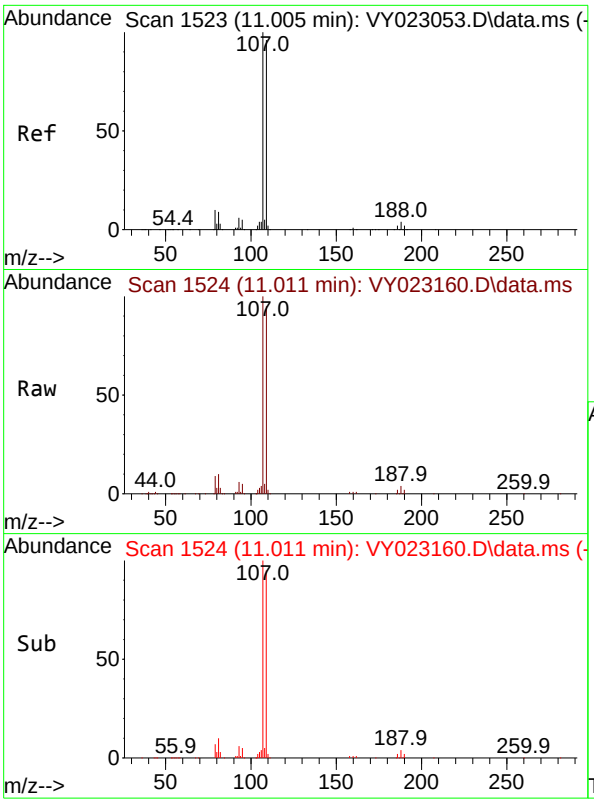


#60
Dibromochloromethane
Concen: 51.365 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:129 Resp: 238623

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5



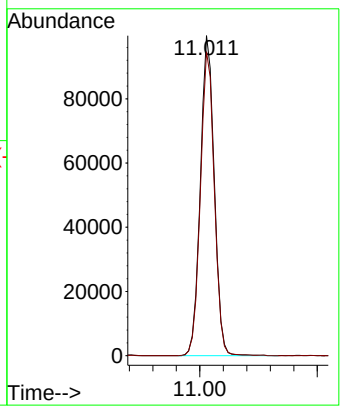


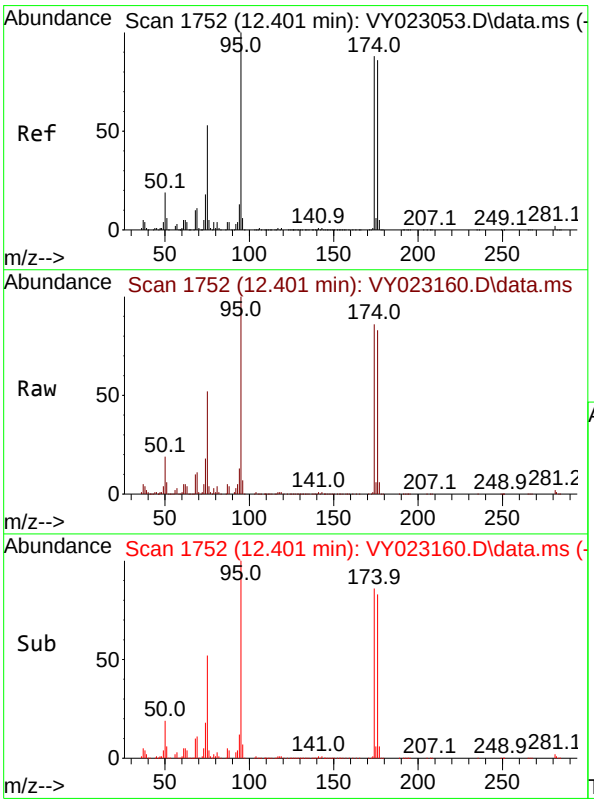
#61
1,2-Dibromoethane
Concen: 49.588 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 164095

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

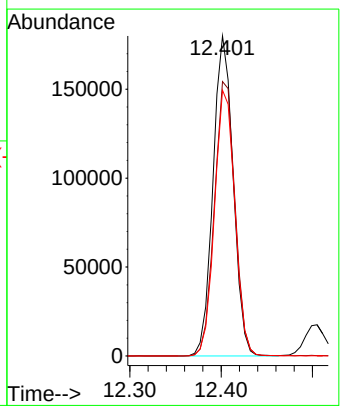


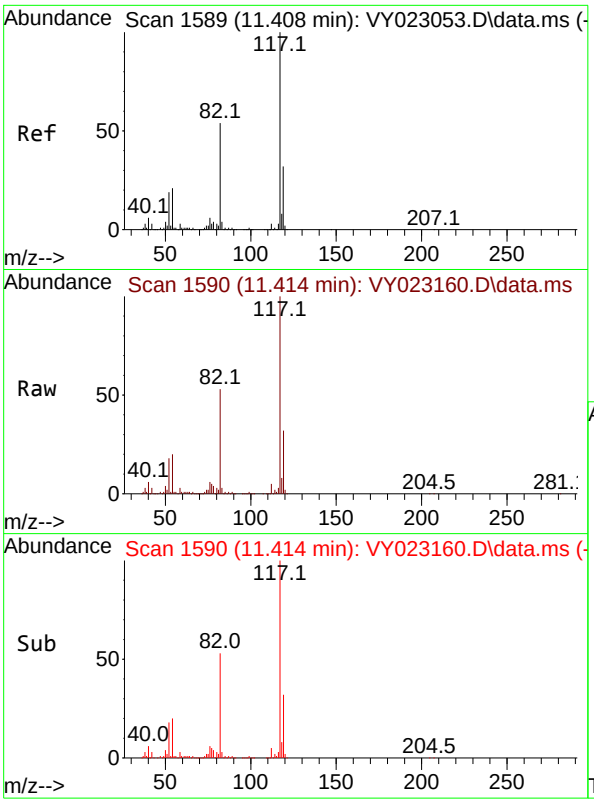


#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 95 Resp: 274917

Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	171.6
176	84.1	0.0	167.6



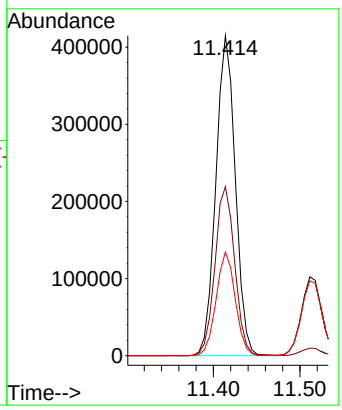


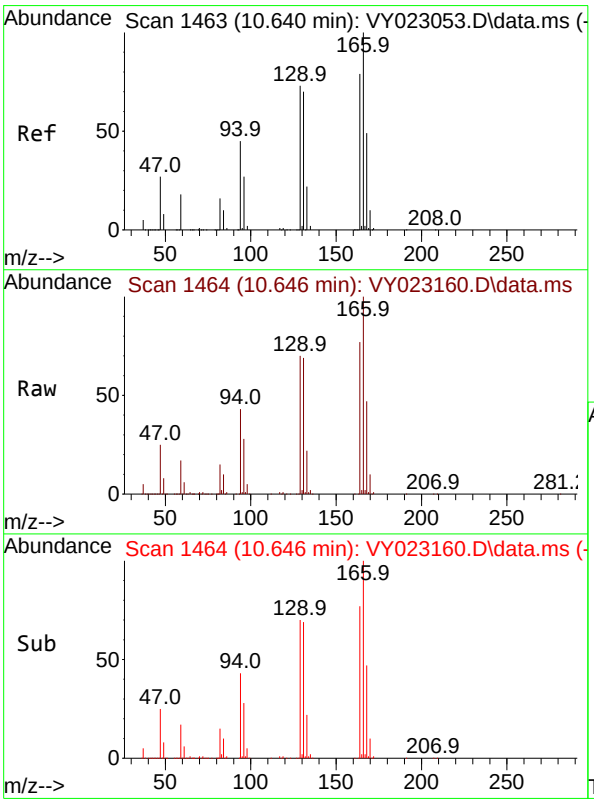
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 647238

Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.4	65.0
119	32.4	25.6	38.4

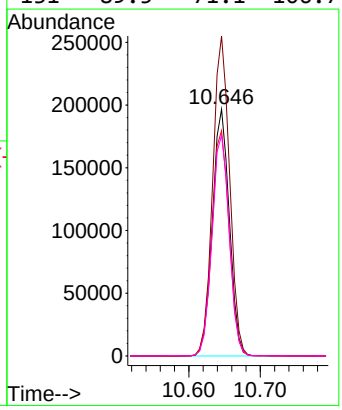


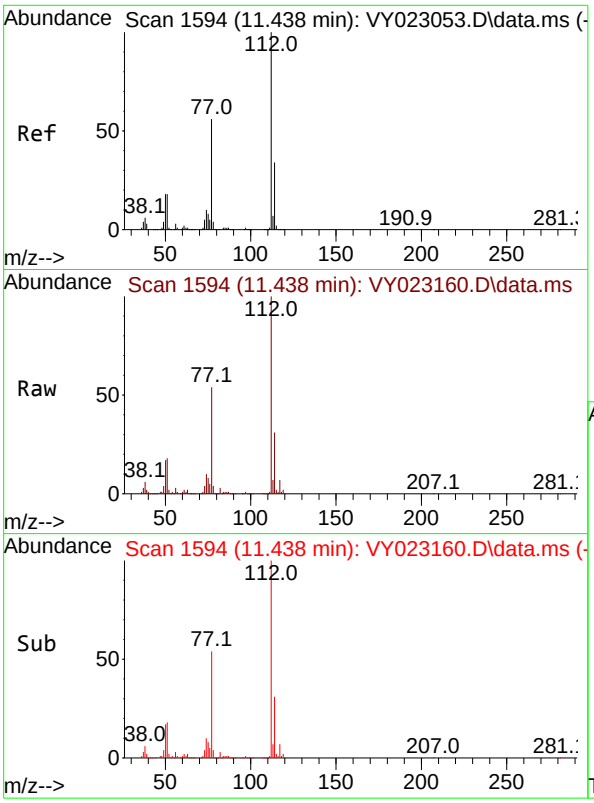


#64
Tetrachloroethene
Concen: 56.055 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:164 Resp: 323963

Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.1	151.7
129	91.3	74.0	111.0
131	89.5	71.1	106.7



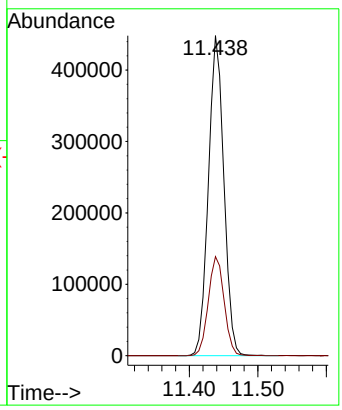


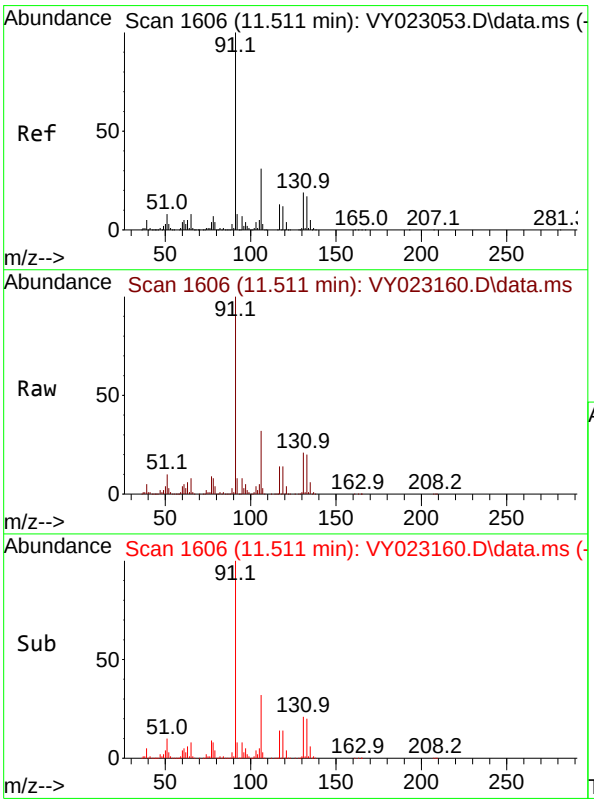
#65
Chlorobenzene
Concen: 50.434 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 704107

Ion	Ratio	Lower	Upper
112	100		
114	31.0	27.0	40.4

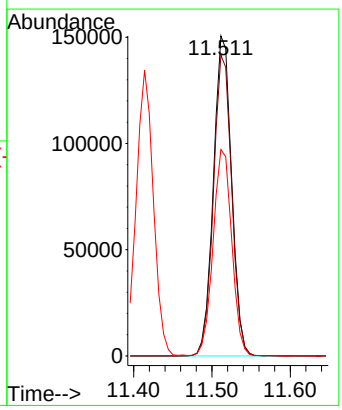


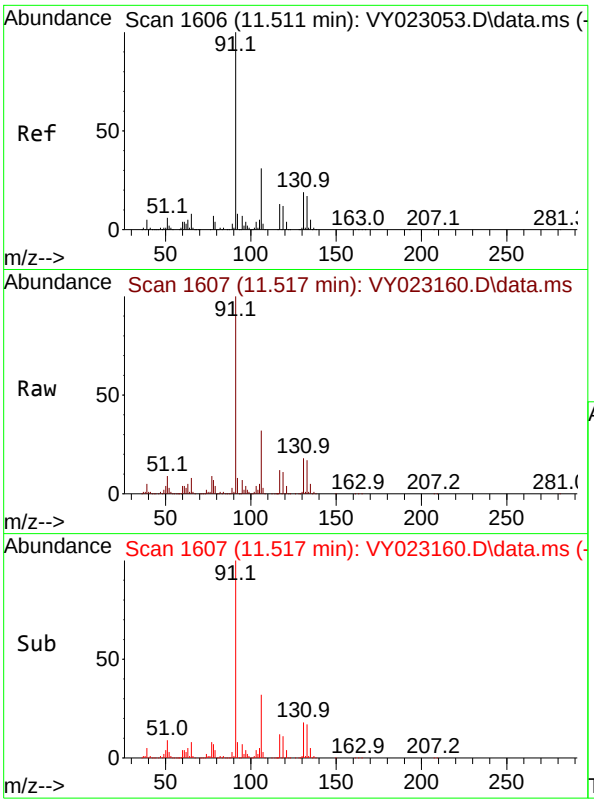


#66
1,1,1,2-Tetrachloroethane
Concen: 51.411 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:131 Resp: 243596

Ion	Ratio	Lower	Upper
131	100		
133	94.2	46.9	140.6
119	66.4	33.2	99.6



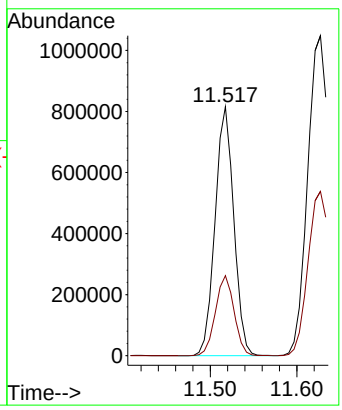


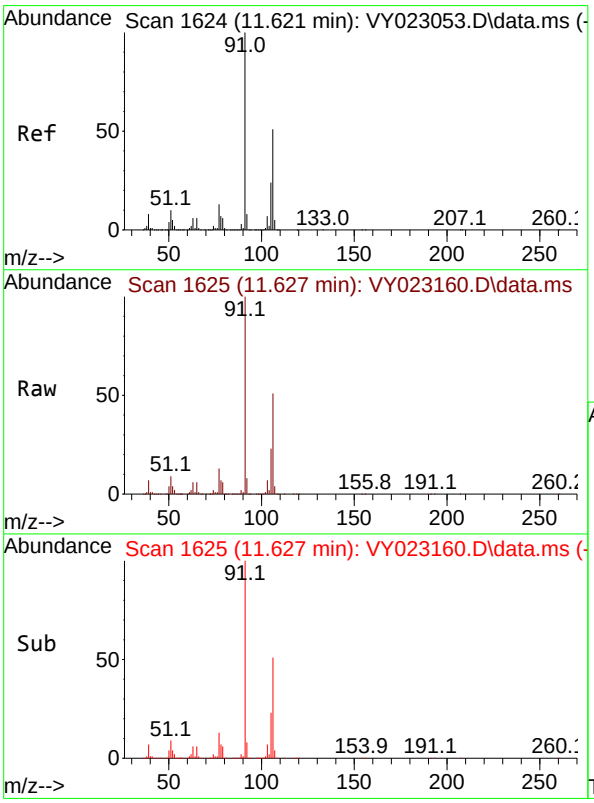
#67
Ethyl Benzene
Concen: 50.888 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1222605

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.0	37.4

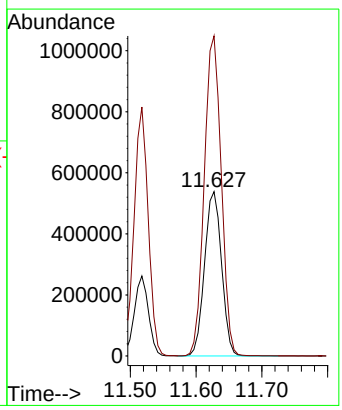


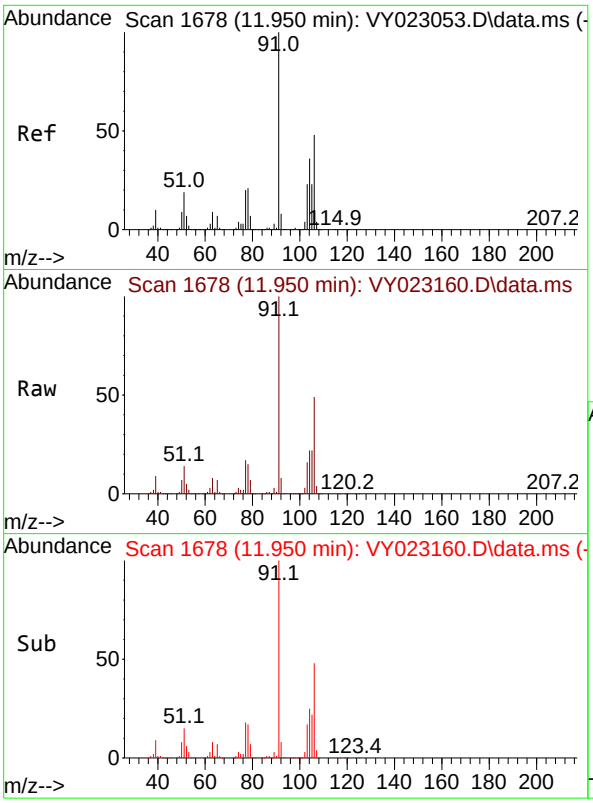


#68
m/p-Xylenes
Concen: 103.051 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:106 Resp: 966978

Ion	Ratio	Lower	Upper
106	100		
91	194.8	158.6	238.0



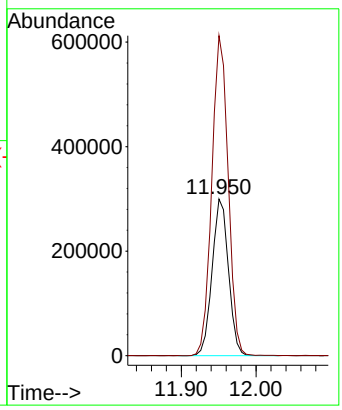


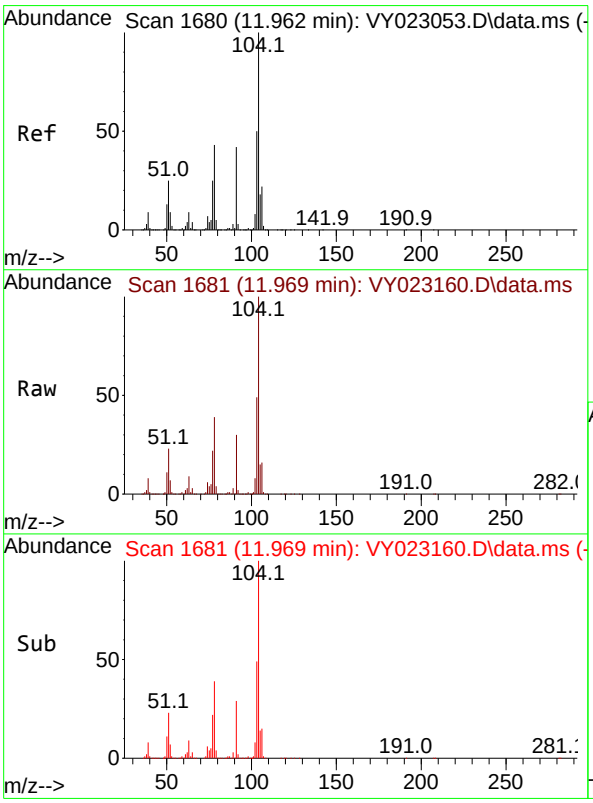
#69
o-Xylene
Concen: 51.799 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 455236

Ion	Ratio	Lower	Upper
106	100		
91	204.7	103.2	309.4

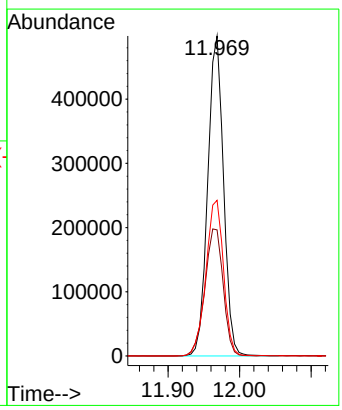


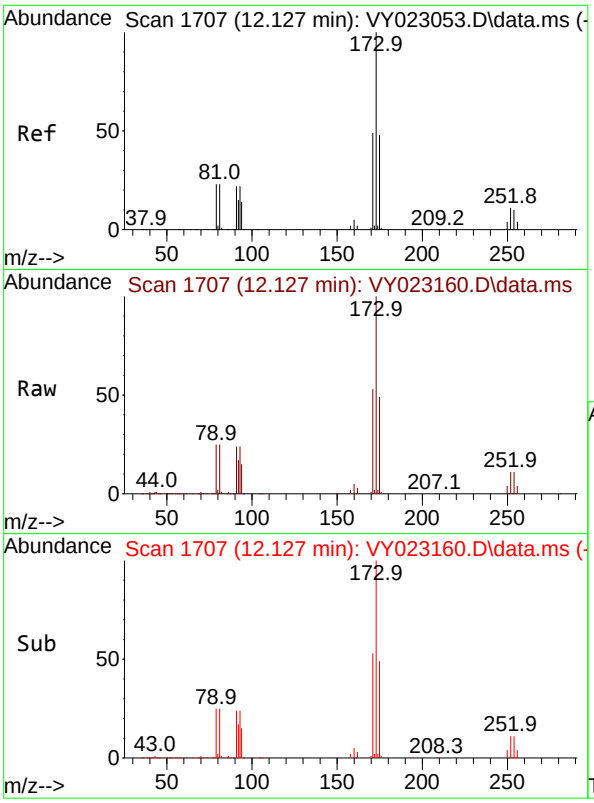


#70
Styrene
Concen: 53.132 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:104 Resp: 763639

Ion	Ratio	Lower	Upper
104	100		
78	46.1	38.5	57.7
103	54.4	43.7	65.5



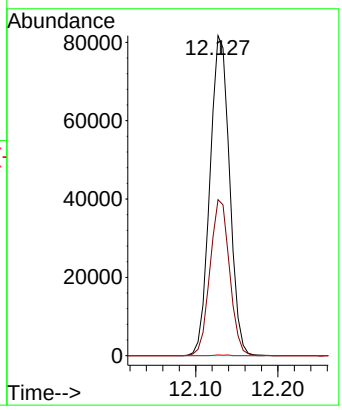


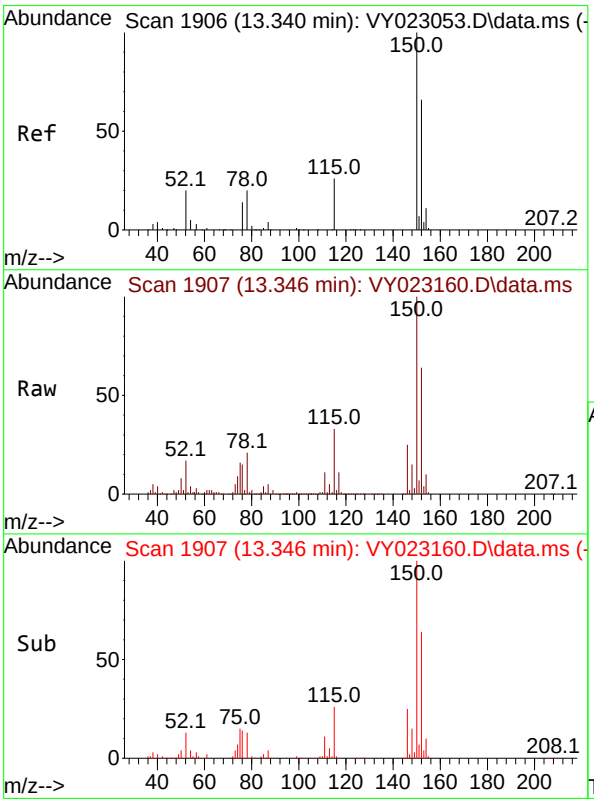
#71
Bromoform
Concen: 48.980 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 135638

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.2	0.1	0.1#

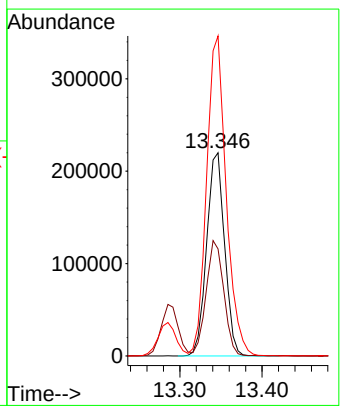


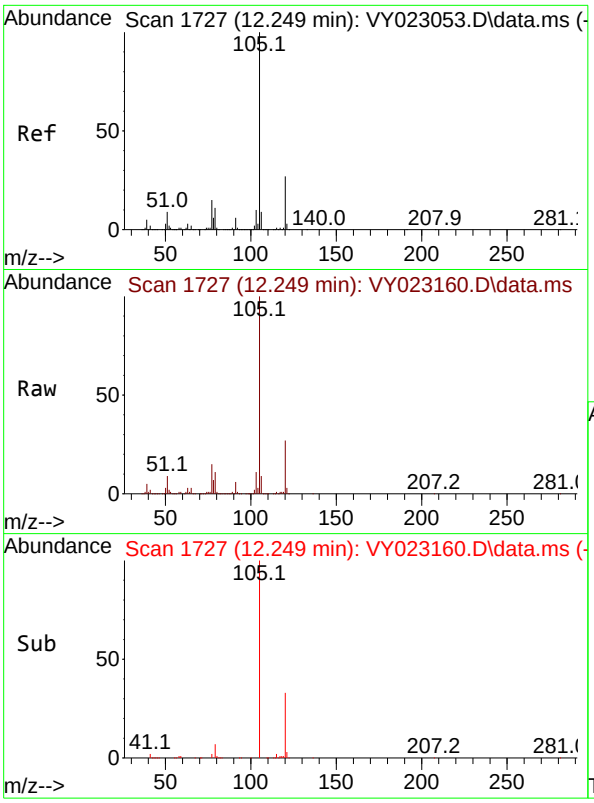


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:152 Resp: 333557

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	171.6	0.0	348.0



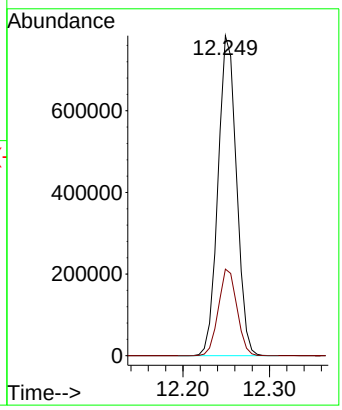


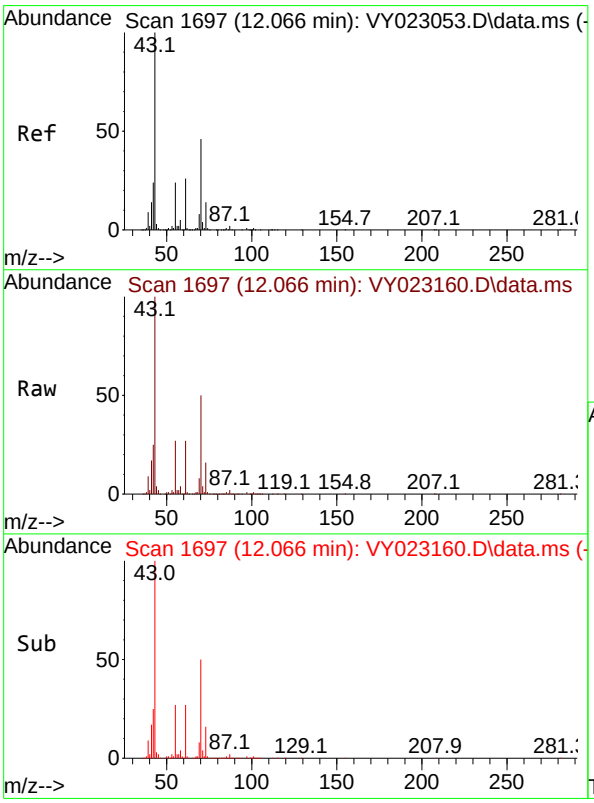
#73
Isopropylbenzene
Concen: 49.330 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1161331

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2

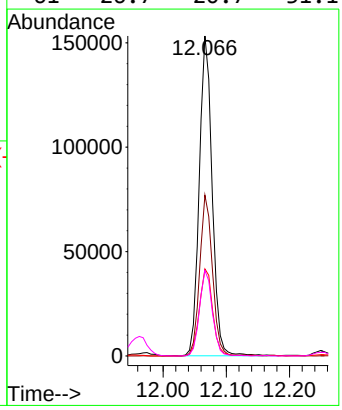


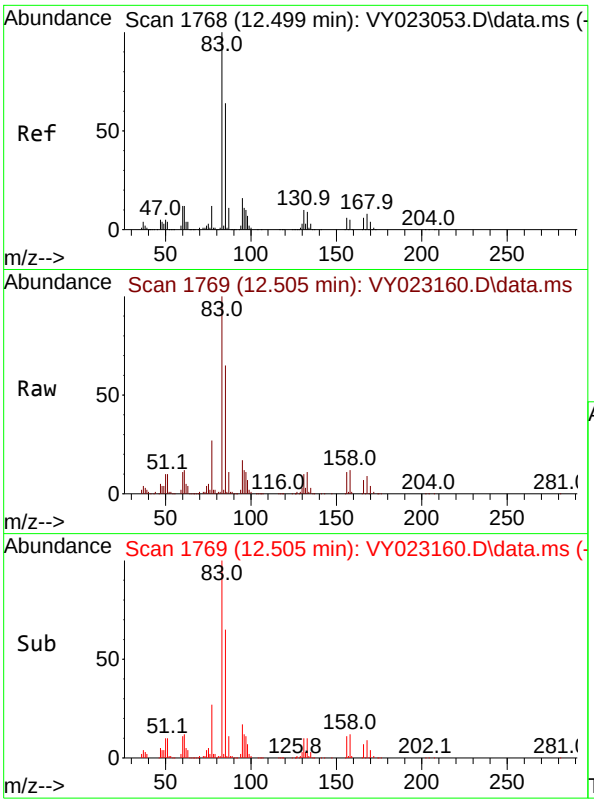


#74
N-amyl acetate
Concen: 43.613 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 217737

Ion	Ratio	Lower	Upper
43	100		
70	49.5	37.5	56.3
55	28.2	20.7	31.1
61	26.7	20.7	31.1



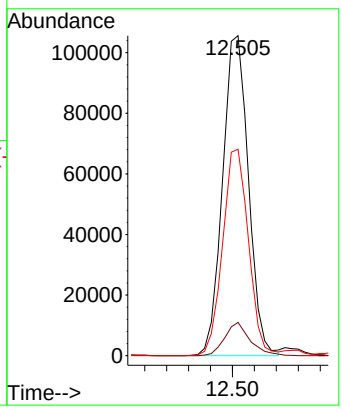


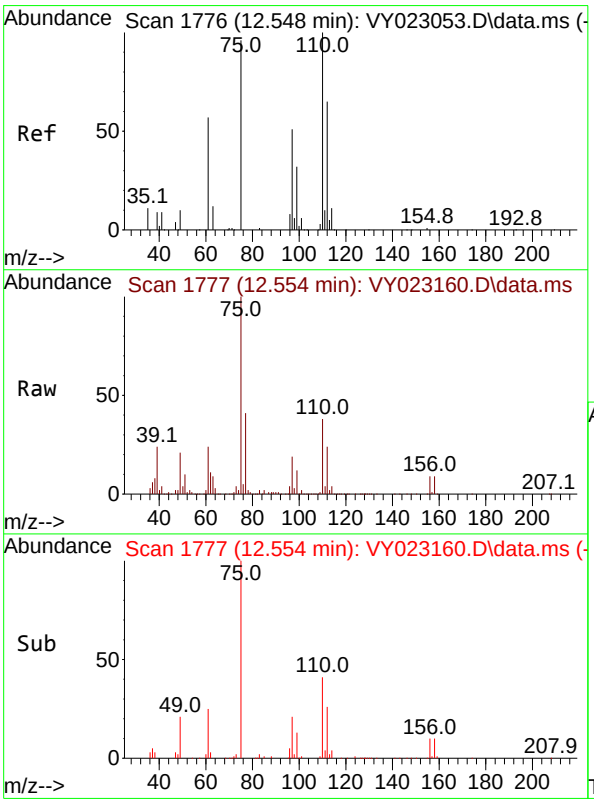
#75
1,1,2,2-Tetrachloroethane
Concen: 43.025 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 172951

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.4	31.8	95.3

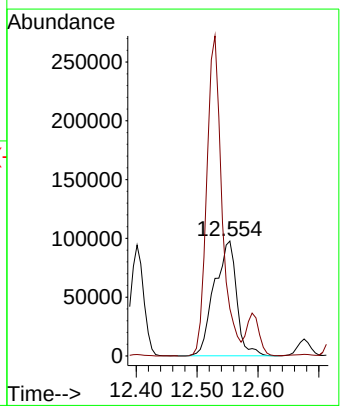


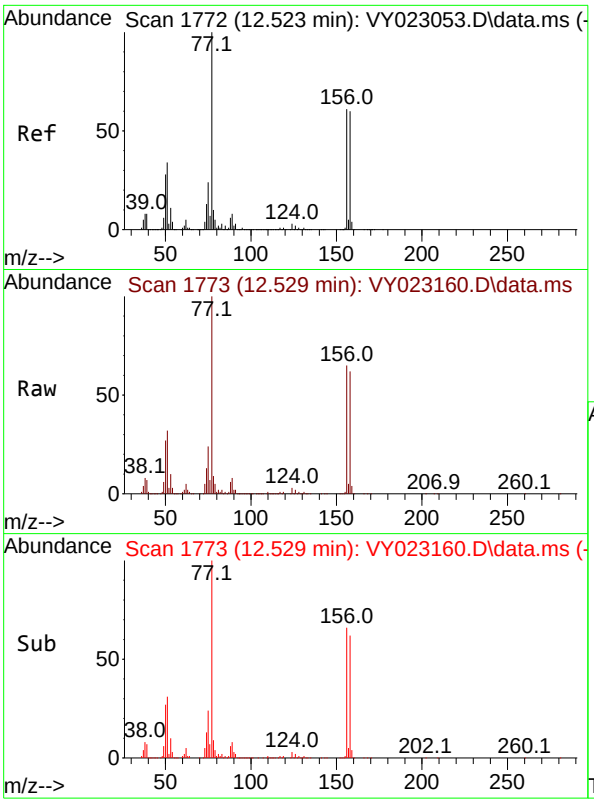


#76
1,2,3-Trichloropropane
Concen: 77.236 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 248637

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



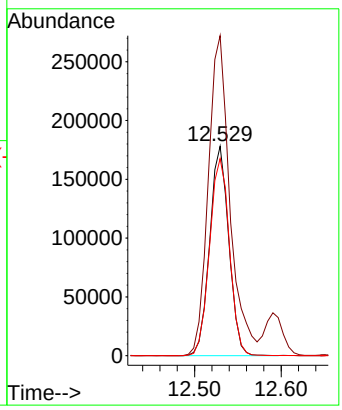


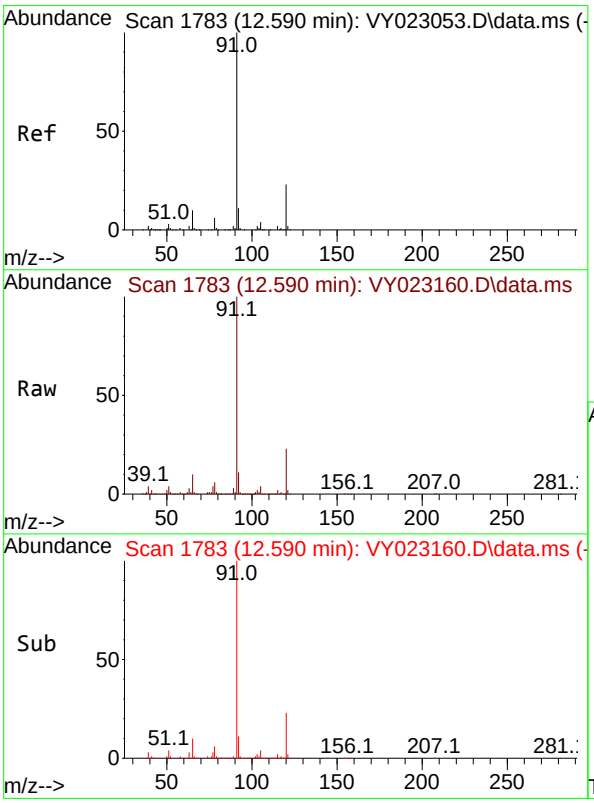
#77
Bromobenzene
Concen: 48.690 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 273466

Ion	Ratio	Lower	Upper
156	100		
77	172.9	88.1	264.4
158	97.9	48.0	144.0

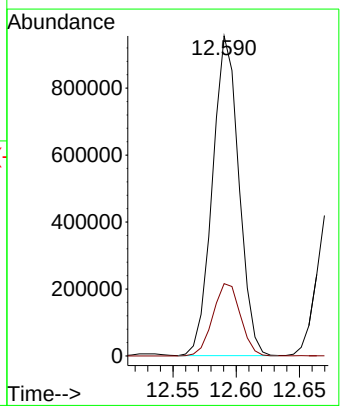


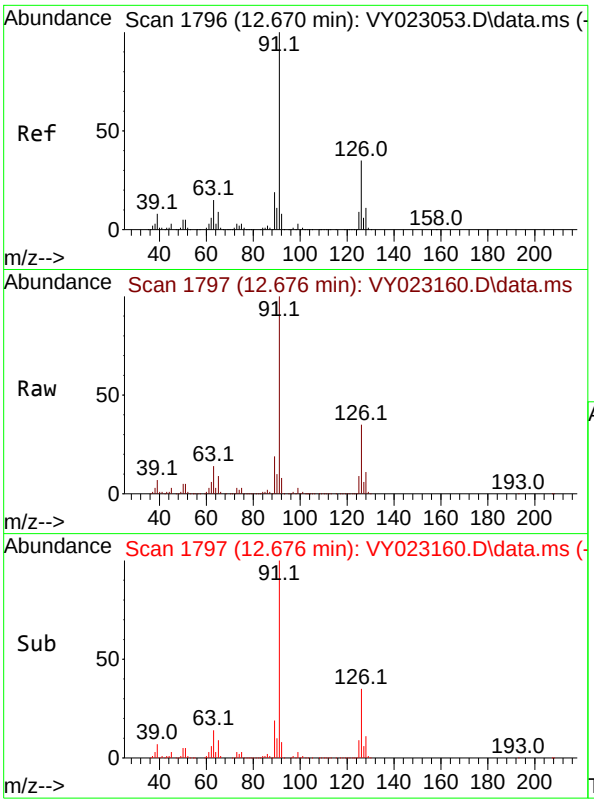


#78
n-propylbenzene
Concen: 49.502 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 1387452

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5



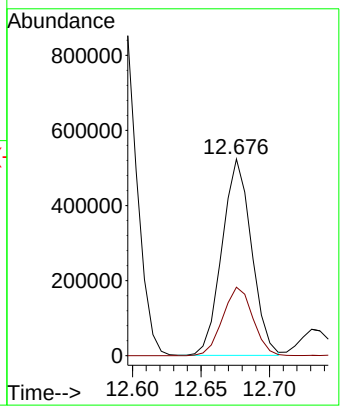


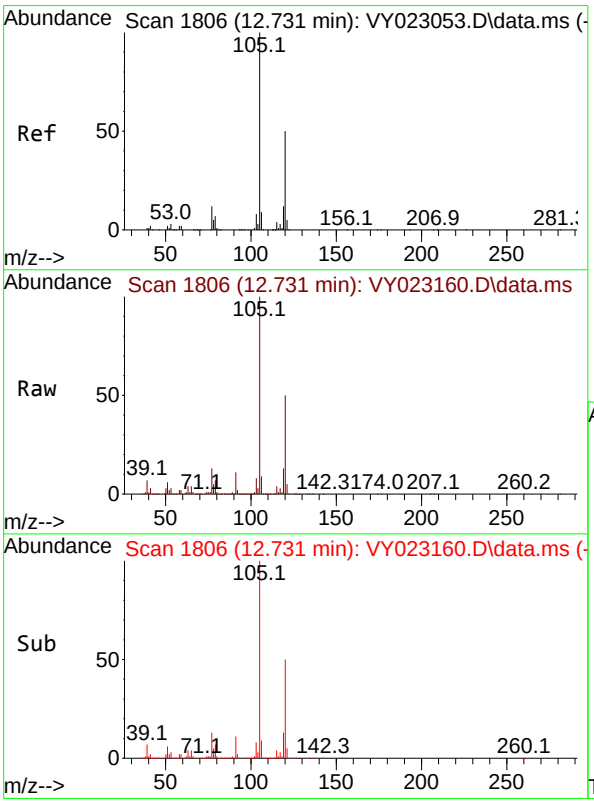
#79
2-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 784149

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.4	52.3

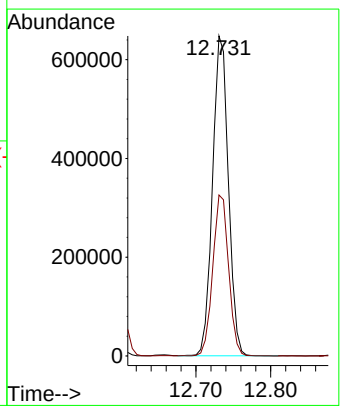


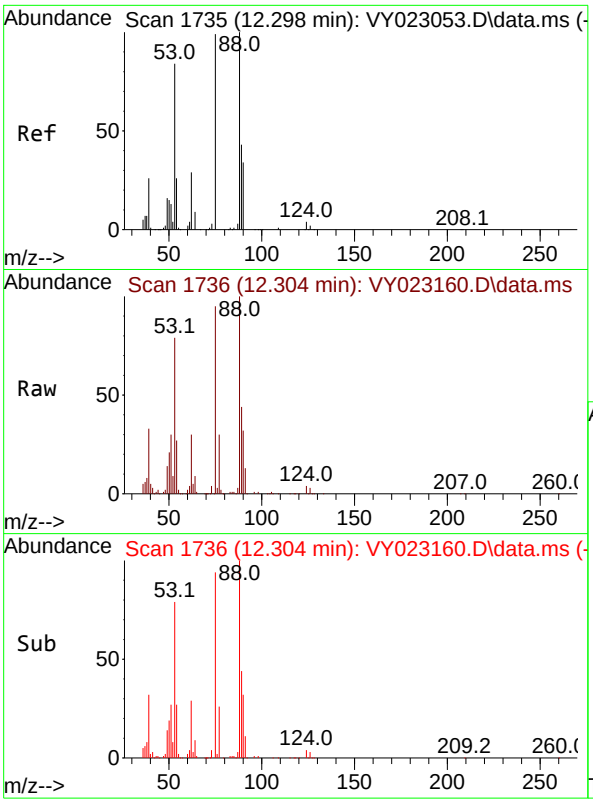


#80
1,3,5-Trimethylbenzene
Concen: 50.180 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 954748

Ion	Ratio	Lower	Upper
105	100		
120	50.5	24.8	74.4



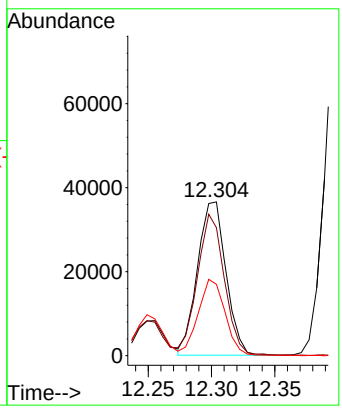


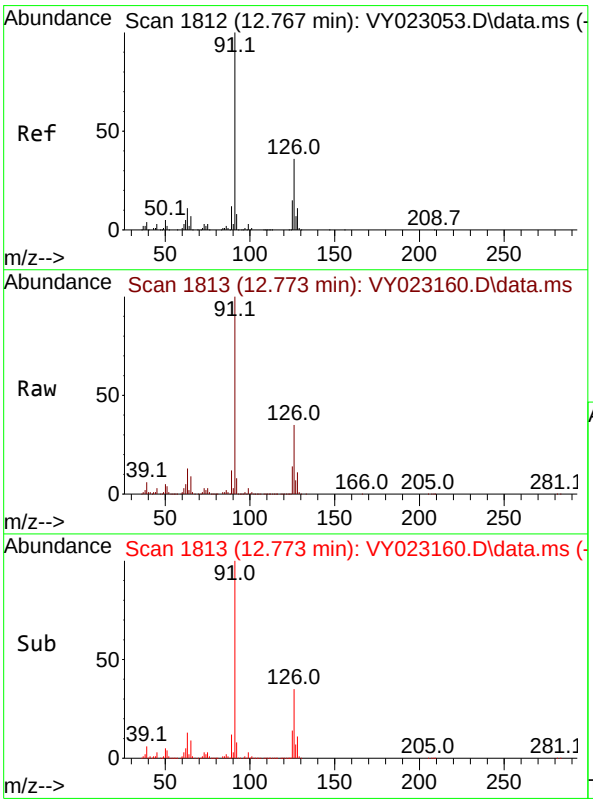
#81
trans-1,4-Dichloro-2-butene
Concen: 43.134 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 57362

Ion	Ratio	Lower	Upper
75	100		
53	87.5	70.8	106.2
89	47.4	38.1	57.1

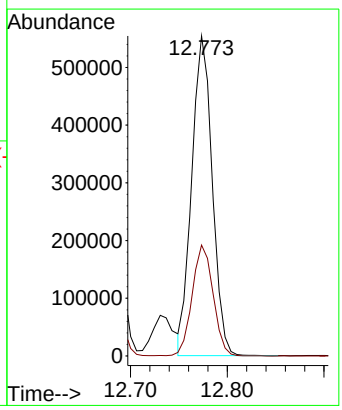


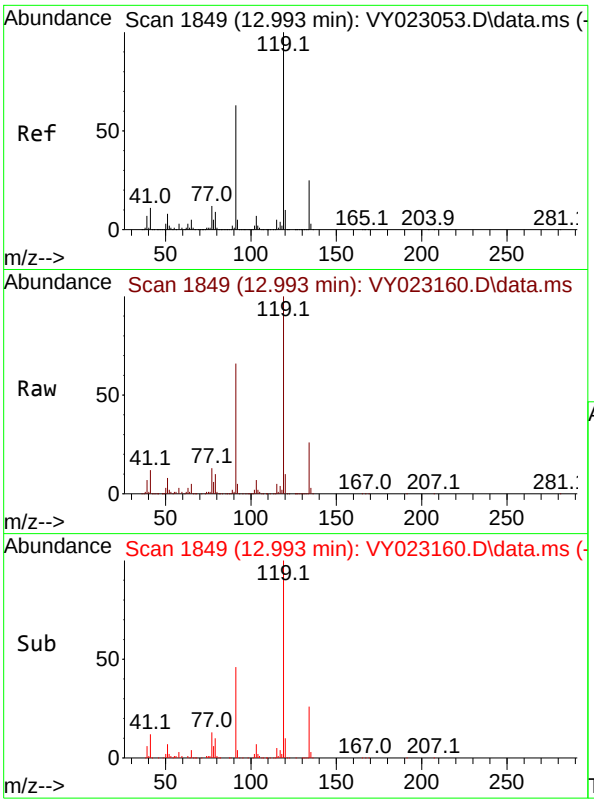


#82
4-Chlorotoluene
Concen: 48.995 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 816232

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	52.0



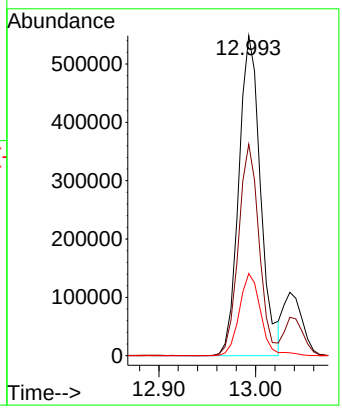


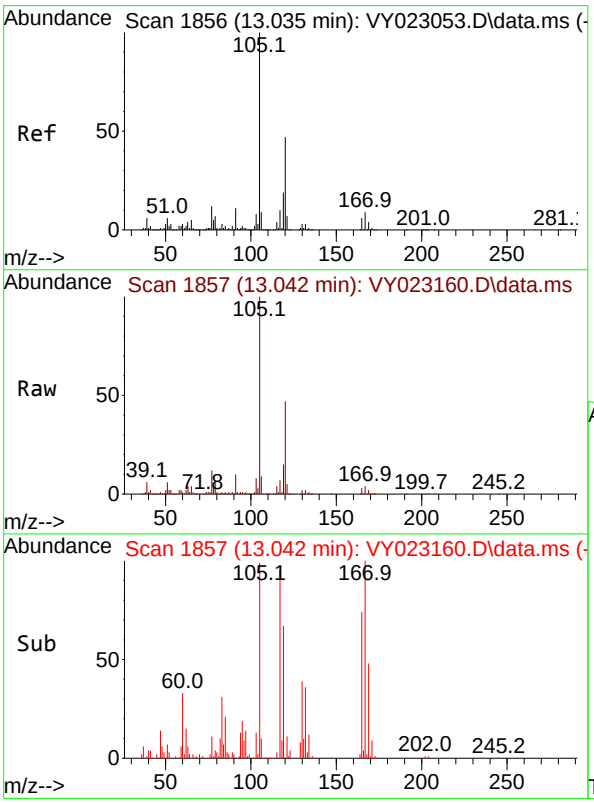
#83
tert-Butylbenzene
Concen: 49.921 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 857857

Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.6	94.8
134	25.4	12.9	38.7

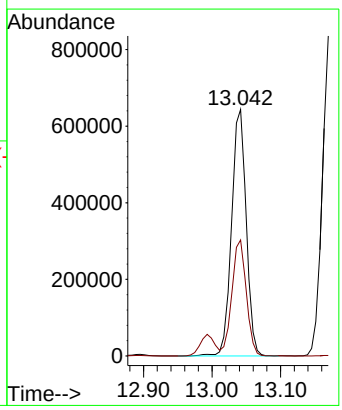


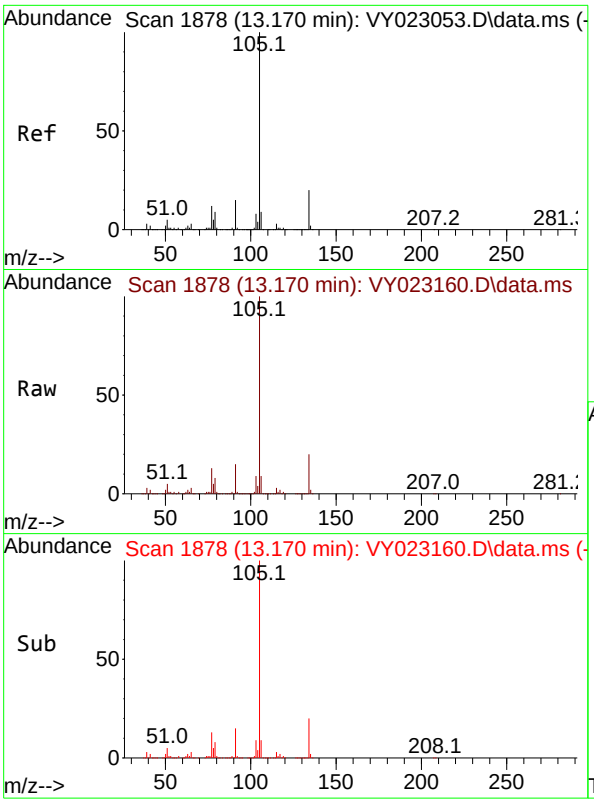


#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 956661

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0



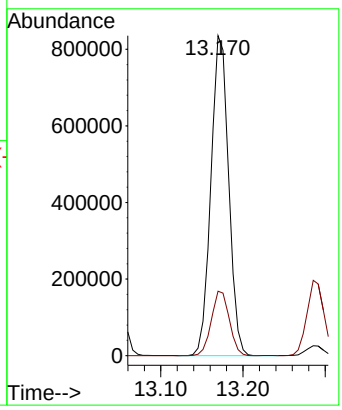


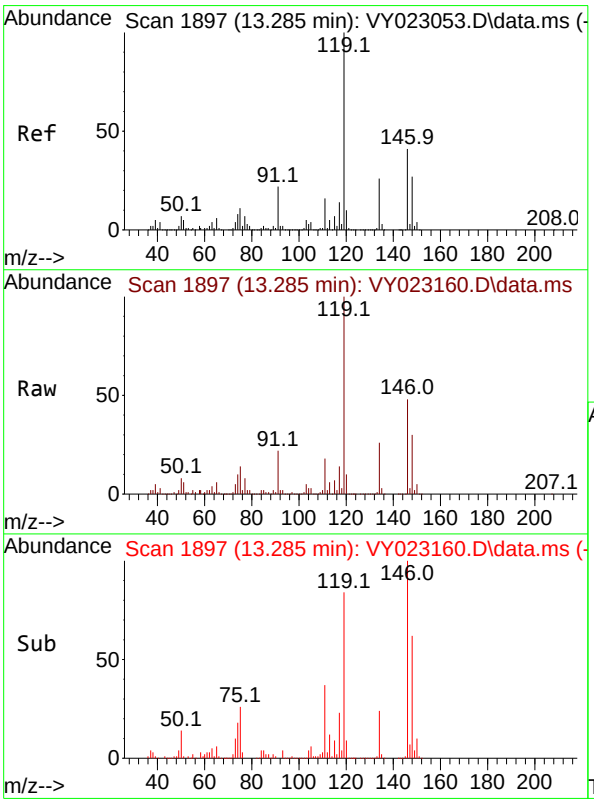
#85
sec-Butylbenzene
Concen: 49.485 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1249164

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.2	30.4

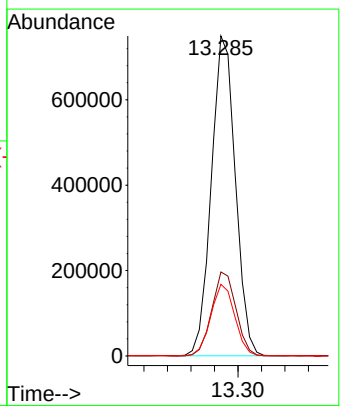


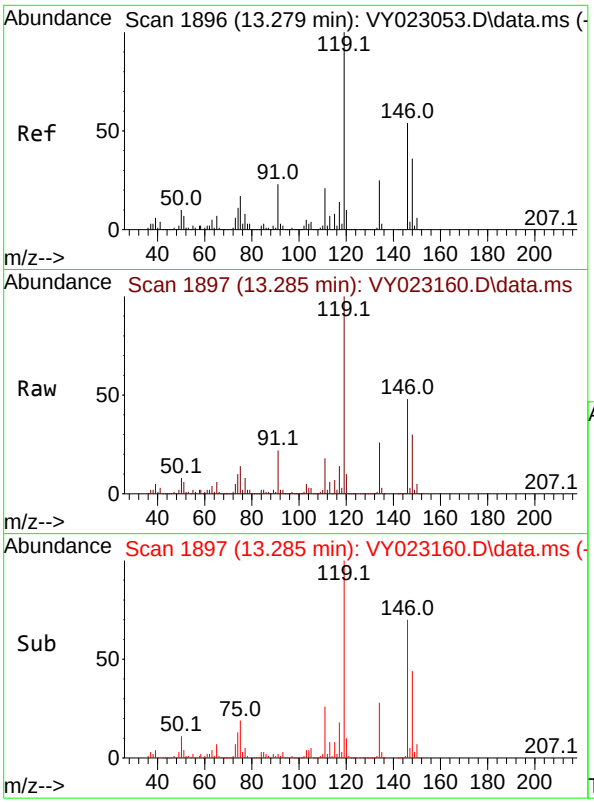


#86
p-Isopropyltoluene
Concen: 50.842 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:119 Resp: 1065308

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	22.3	11.3	33.8



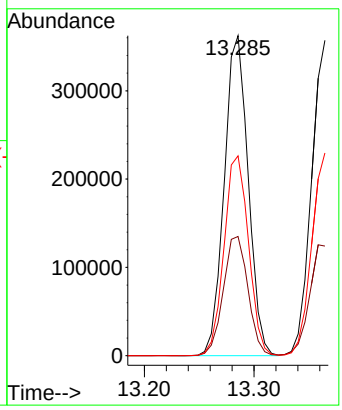


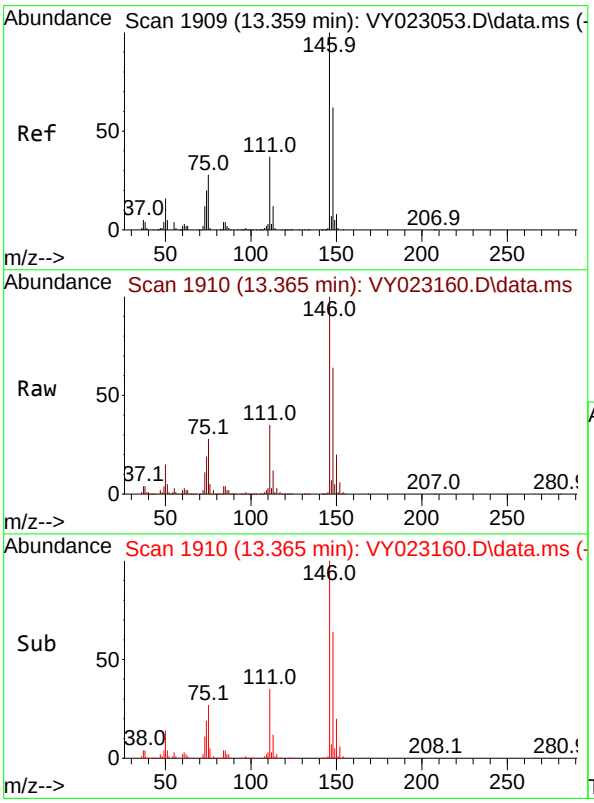
#87
1,3-Dichlorobenzene
Concen: 49.644 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 549837

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	63.8	32.5	97.5

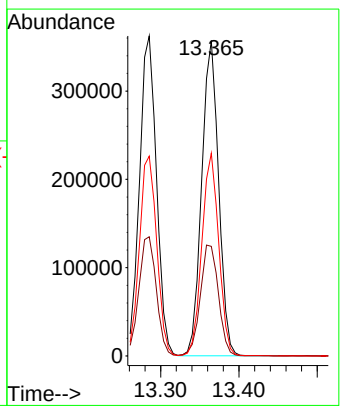


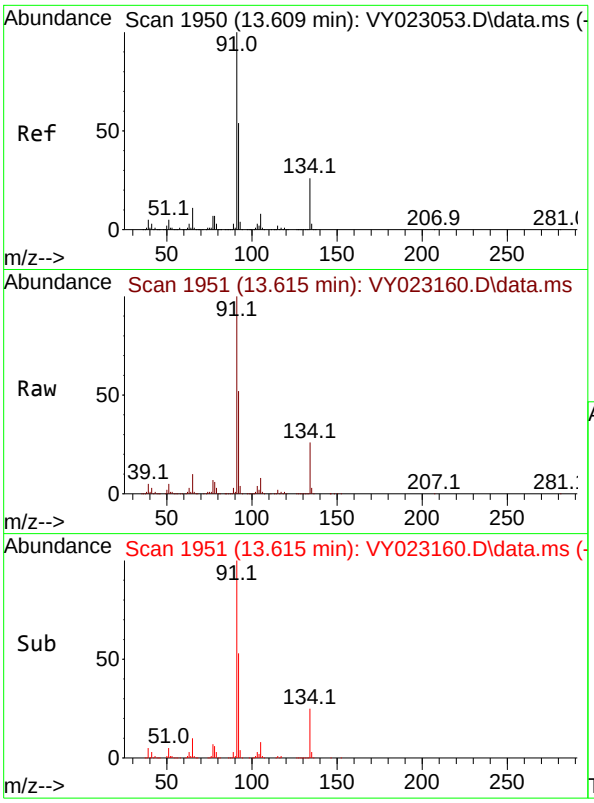


#88
1,4-Dichlorobenzene
Concen: 48.611 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:146 Resp: 534086

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.3	31.6	94.7



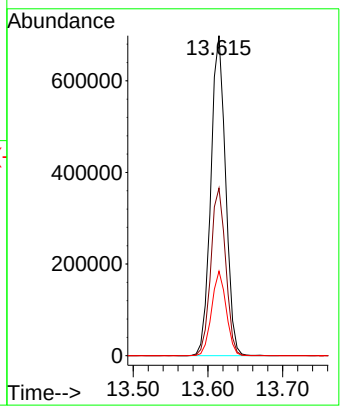


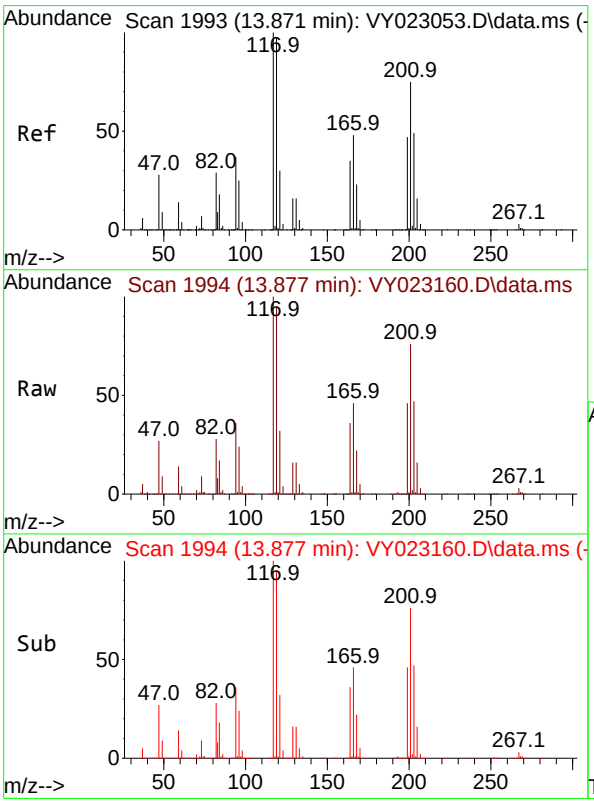
#89
n-Butylbenzene
Concen: 49.746 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 957330

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	26.1	13.2	39.5

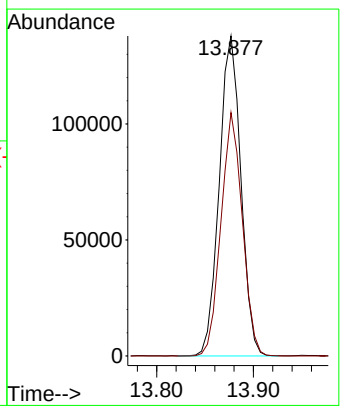


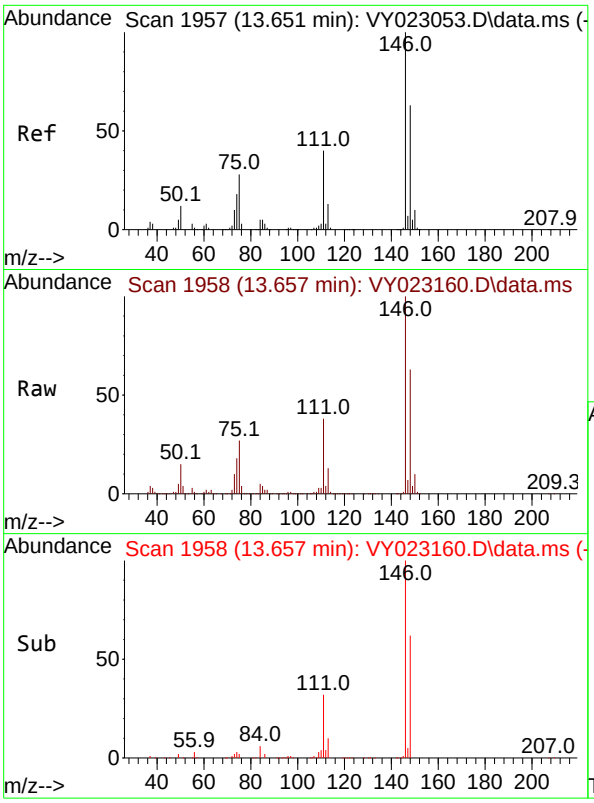


#90
Hexachloroethane
Concen: 50.008 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:117 Resp: 214503

Ion	Ratio	Lower	Upper
117	100		
201	75.0	38.4	115.1



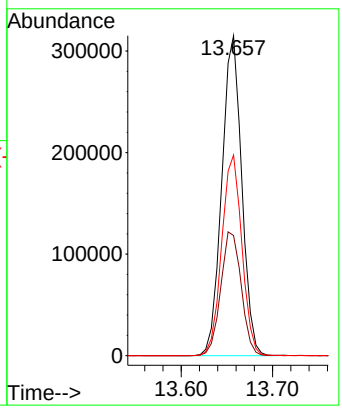


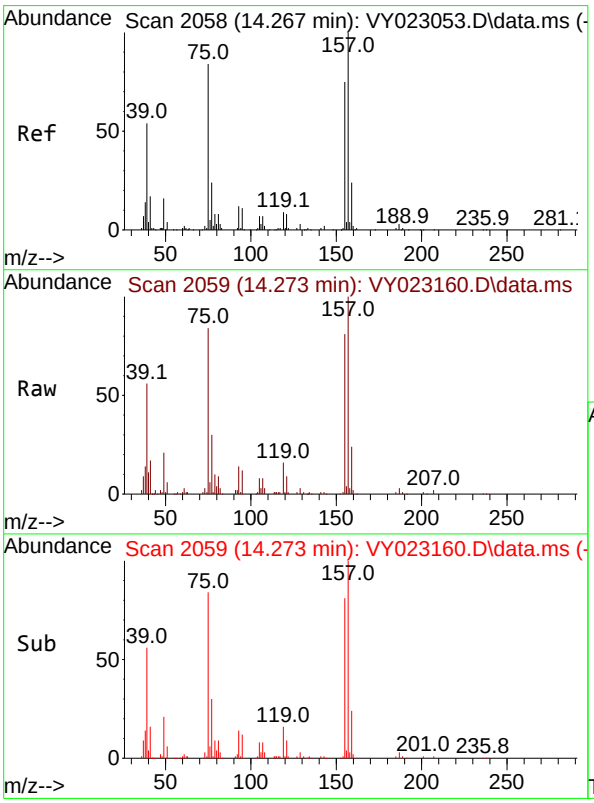
#91
1,2-Dichlorobenzene
Concen: 49.177 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 477680

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.5	32.2	96.6

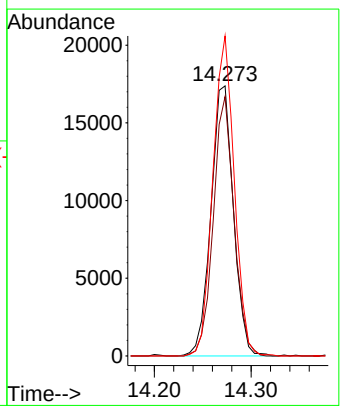


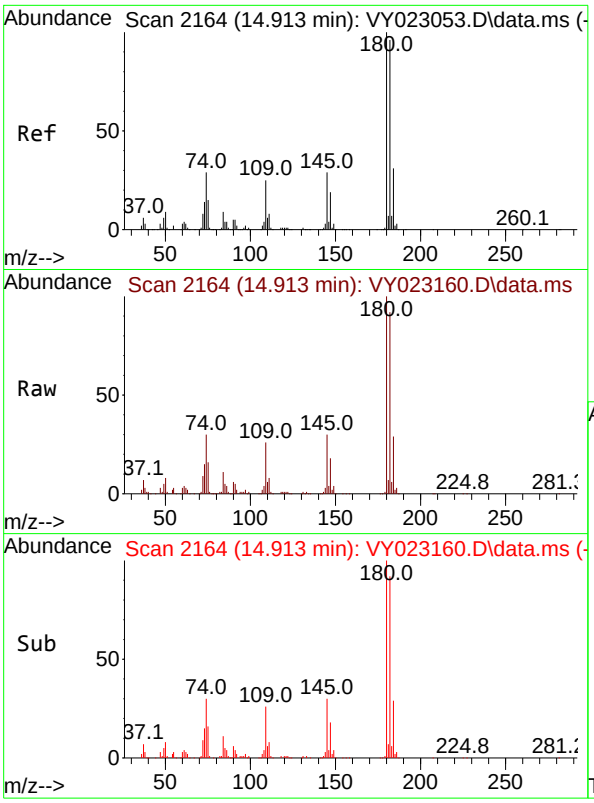


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 28063

Ion	Ratio	Lower	Upper
75	100		
155	88.7	43.9	131.6
157	112.5	57.2	171.6



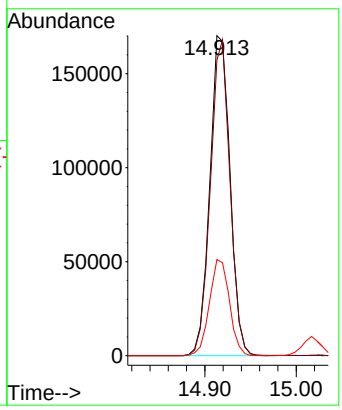


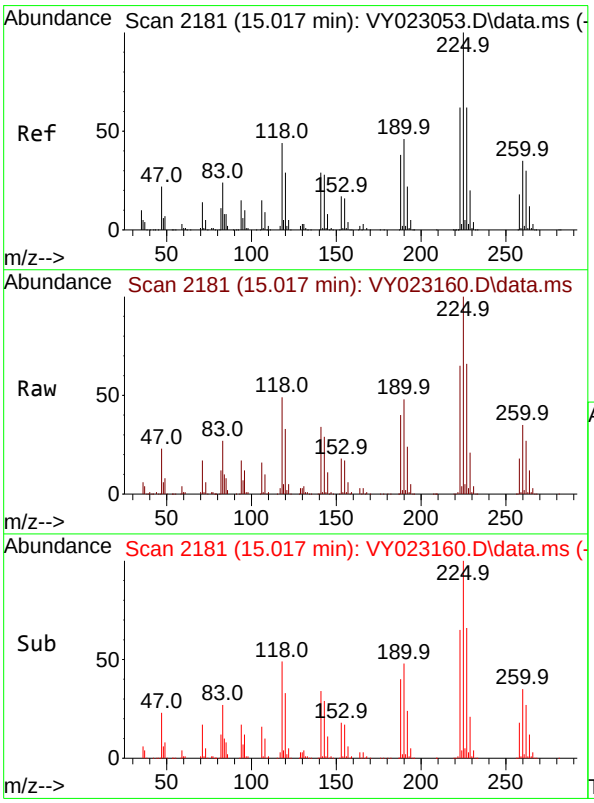
#93
1,2,4-Trichlorobenzene
Concen: 45.553 ug/l
RT: 14.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 261664

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.8	140.4
145	29.7	14.4	43.4

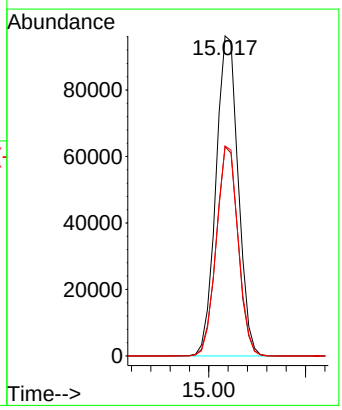


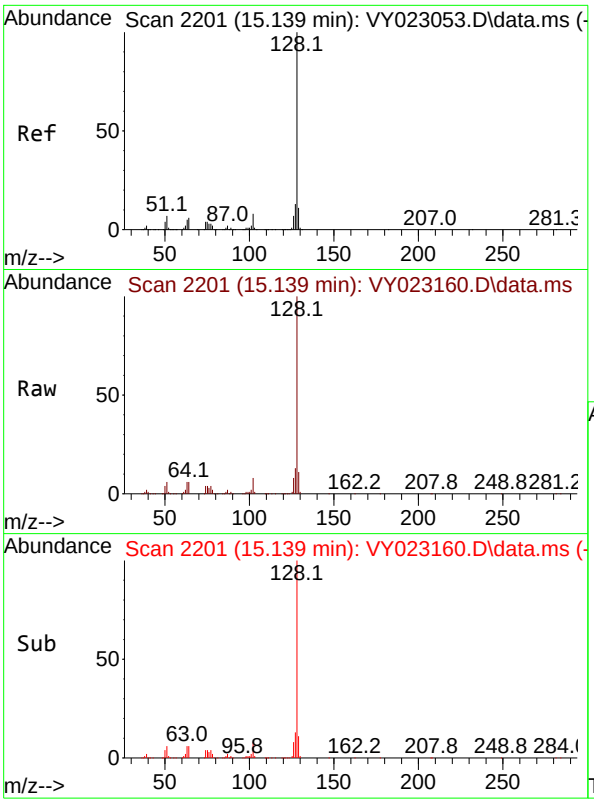


#94
Hexachlorobutadiene
Concen: 45.434 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:225 Resp: 153359

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.3	93.8
227	64.6	31.5	94.5



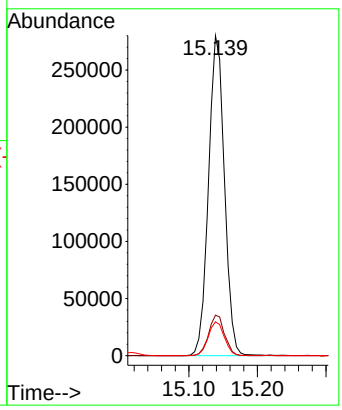


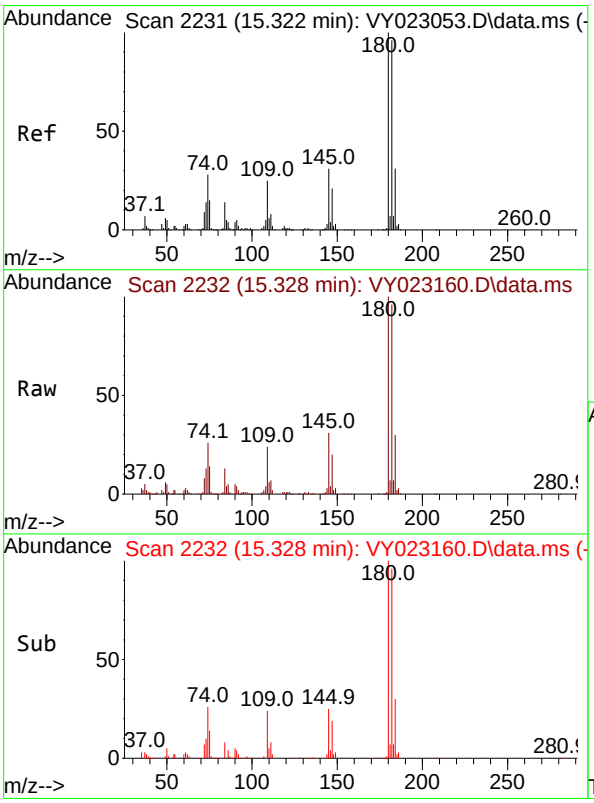
#95
Naphthalene
Concen: 46.168 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 452211

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	9.0	13.4

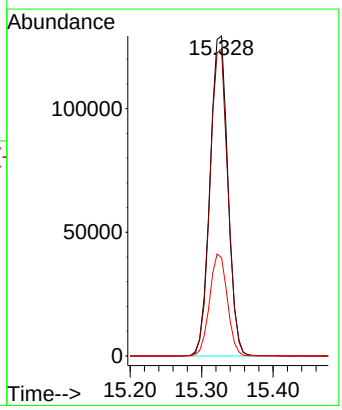




#96
1,2,3-Trichlorobenzene
Concen: 45.311 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:180 Resp: 224276

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	31.5	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	459555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	730484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	640306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	323804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208166	47.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.060%			
35) Dibromofluoromethane	7.634	113	217247	49.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.400%			
50) Toluene-d8	10.103	98	848402	49.685	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.402	95	261400	47.601	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	79053	21.074	ug/l	98
3) Chloromethane	2.074	50	130929	21.550	ug/l	100
4) Vinyl Chloride	2.208	62	164087	21.848	ug/l	99
5) Bromomethane	2.592	94	138095	24.621	ug/l	98
6) Chloroethane	2.733	64	110112	22.053	ug/l	98
7) Trichlorofluoromethane	3.056	101	190344	20.843	ug/l	99
8) Diethyl Ether	3.458	74	45992	19.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	94641	21.006	ug/l	100
10) Methyl Iodide	4.007	142	93165	19.163	ug/l	97
11) Tert butyl alcohol	4.854	59	25336	84.424	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	91227	20.600	ug/l	91
13) Acrolein	3.653	56	30908	70.324	ug/l	96
14) Allyl chloride	4.385	41	123764	18.993	ug/l	99
15) Acrylonitrile	5.068	53	92487	94.158	ug/l	99
16) Acetone	3.867	43	108385	114.225	ug/l	97
17) Carbon Disulfide	4.104	76	291923	20.217	ug/l	97
18) Methyl Acetate	4.385	43	52896	18.733	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	213430	18.599	ug/l	98
20) Methylene Chloride	4.610	84	105212	19.691	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	101756	20.447	ug/l	99
22) Diisopropyl ether	6.019	45	274076	19.356	ug/l	93
23) Vinyl Acetate	5.964	43	713664	91.149	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176815	20.424	ug/l	98
25) 2-Butanone	6.896	43	128976	99.942	ug/l	99
26) 2,2-Dichloropropane	6.878	77	152419	20.404	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	117267	20.382	ug/l	97
28) Bromochloromethane	7.244	49	68297	19.885	ug/l	98
29) Tetrahydrofuran	7.262	42	70670	88.345	ug/l	99
30) Chloroform	7.421	83	187434	20.993	ug/l	97
31) Cyclohexane	7.701	56	154414	18.928	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	163289	20.612	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131556	20.252	ug/l	99
37) Ethyl Acetate	6.982	43	50678	18.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	146099	20.707	ug/l	97
39) Methylcyclohexane	9.109	83	161897	18.926	ug/l	99
40) Benzene	8.079	78	413672	20.662	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	28288	17.963	ug/l		96
42) 1,2-Dichloroethane	8.158	62	102487	19.682	ug/l		99
43) Isopropyl Acetate	8.195	43	95562	17.327	ug/l		98
44) Trichloroethene	8.866	130	109999	21.260	ug/l		98
45) 1,2-Dichloropropane	9.140	63	93662	20.332	ug/l		97
46) Dibromomethane	9.231	93	53516	20.240	ug/l		99
47) Bromodichloromethane	9.420	83	139120	20.448	ug/l		96
48) Methyl methacrylate	9.219	41	46693	17.692	ug/l		98
49) 1,4-Dioxane	9.225	88	11384	367.192	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	254313	89.392	ug/l		100
52) Toluene	10.170	92	260797	20.509	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	119277	19.360	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	143792	19.737	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72658	20.536	ug/l		99
56) Ethyl methacrylate	10.439	69	78424	17.322	ug/l		99
57) 1,3-Dichloropropane	10.719	76	118529	19.754	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	197822	92.633	ug/l		99
59) 2-Hexanone	10.762	43	181841	93.868	ug/l		99
60) Dibromochloromethane	10.908	129	94101	20.157	ug/l		98
61) 1,2-Dibromoethane	11.012	107	66546	20.011	ug/l		99
64) Tetrachloroethene	10.646	164	128497	22.474	ug/l		98
65) Chlorobenzene	11.438	112	281033	20.348	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.512	131	95804	20.438	ug/l		97
67) Ethyl Benzene	11.518	91	468705	19.720	ug/l		98
68) m/p-Xylenes	11.627	106	374257	40.317	ug/l		97
69) o-Xylene	11.950	106	169335	19.476	ug/l		97
70) Styrene	11.969	104	286037	20.117	ug/l		98
71) Bromoform	12.133	173	53523	19.537	ug/l	#	98
73) Isopropylbenzene	12.255	105	442733	19.372	ug/l		100
74) N-amyl acetate	12.066	43	78737	16.246	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	68865	17.648	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	97193	31.101	ug/l	#	100
77) Bromobenzene	12.530	156	105703	19.387	ug/l		98
78) n-propylbenzene	12.591	91	535326	19.675	ug/l		99
79) 2-Chlorotoluene	12.676	91	309392	19.846	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	363677	19.690	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22178	17.179	ug/l		95
82) 4-Chlorotoluene	12.773	91	317186	19.613	ug/l		99
83) tert-Butylbenzene	12.993	119	325943	19.539	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	364461	19.822	ug/l		100
85) sec-Butylbenzene	13.170	105	484397	19.767	ug/l		100
86) p-Isopropyltoluene	13.292	119	402765	19.801	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	218878	20.357	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	213060	19.976	ug/l		98
89) n-Butylbenzene	13.615	91	360095	19.275	ug/l		99
90) Hexachloroethane	13.877	117	83702	20.102	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	185391	19.661	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10613	17.468	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	101300	18.167	ug/l		97
94) Hexachlorobutadiene	15.023	225	64526	19.692	ug/l		100
95) Naphthalene	15.145	128	151141	15.895	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	88110	18.337	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

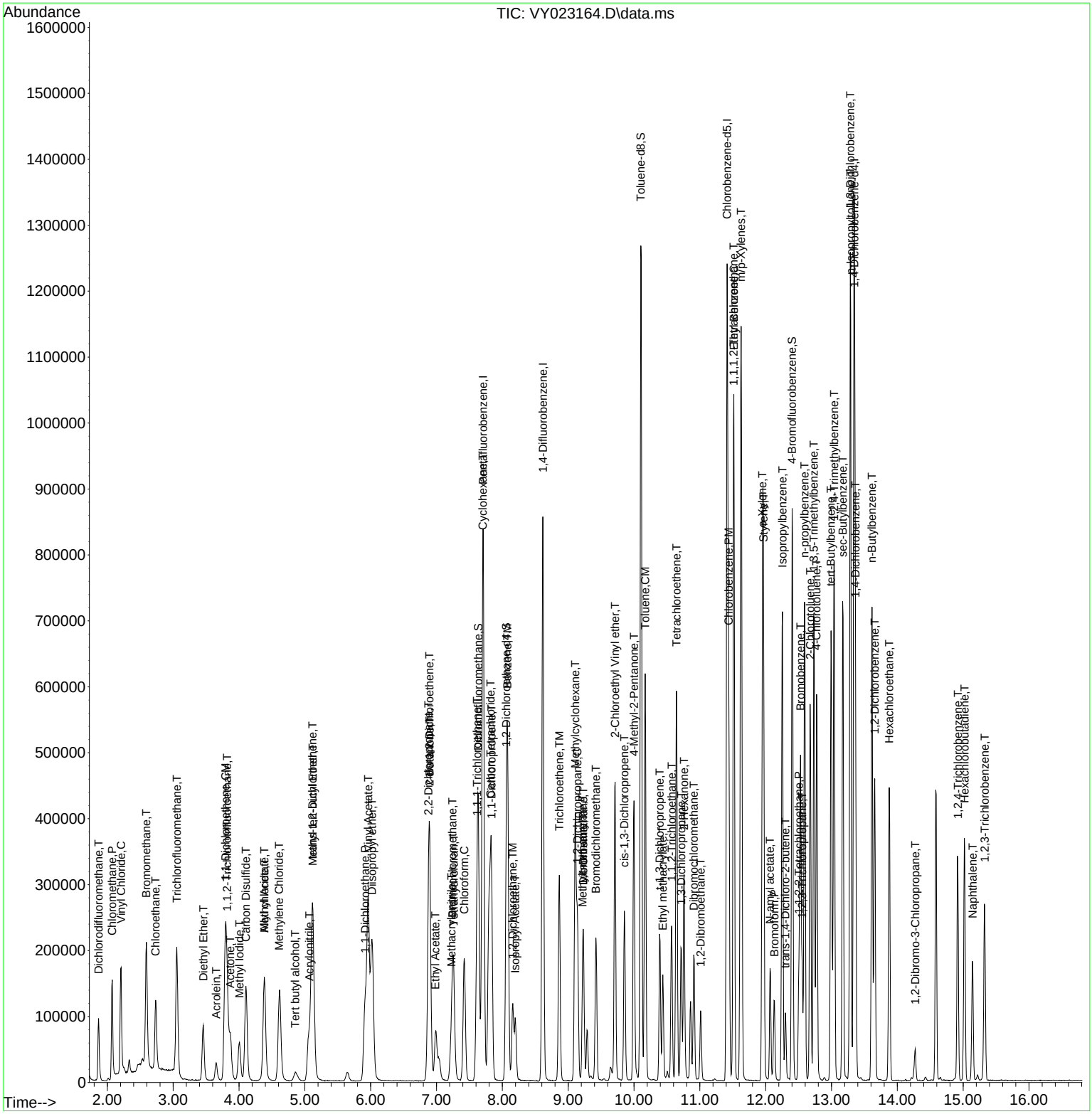
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

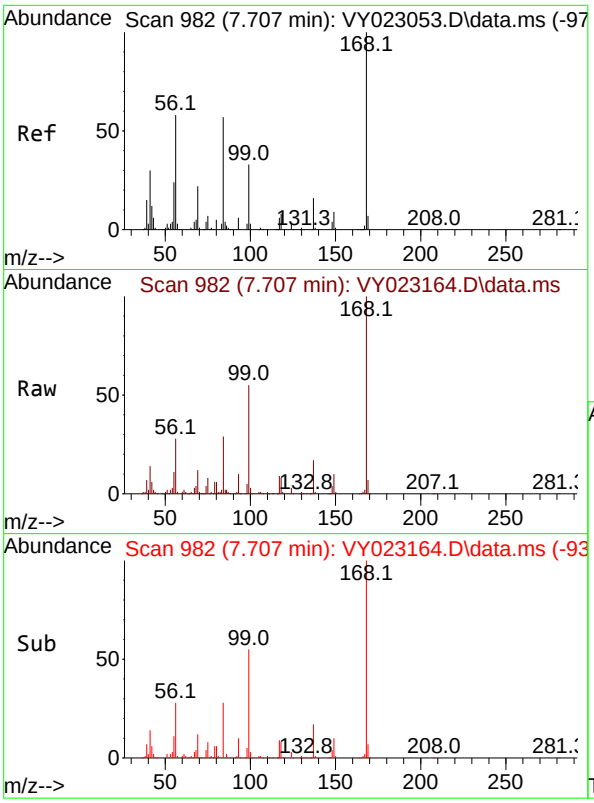
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Quant Time: Aug 21 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



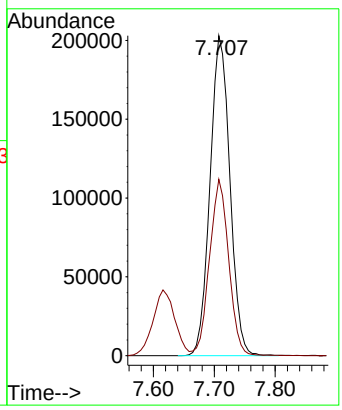


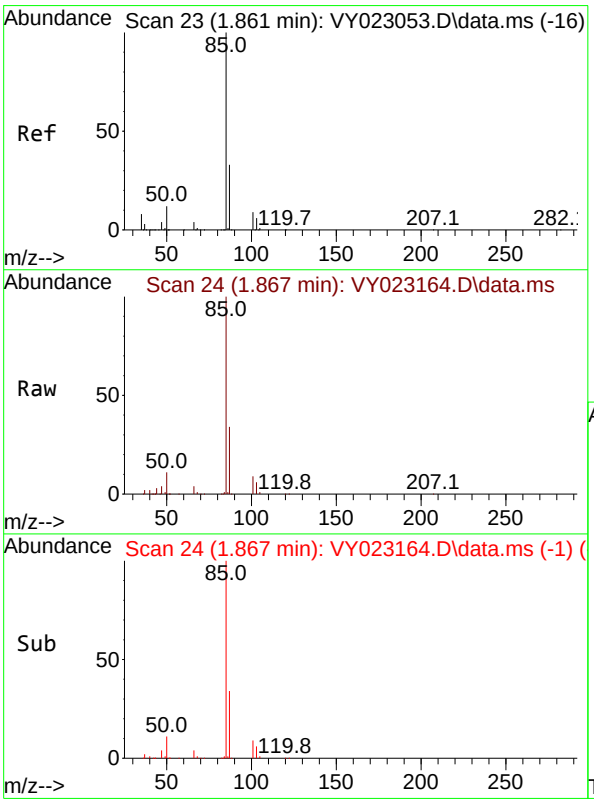
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:168 Resp: 459555

Ion	Ratio	Lower	Upper
168	100		
99	55.0	42.8	64.2

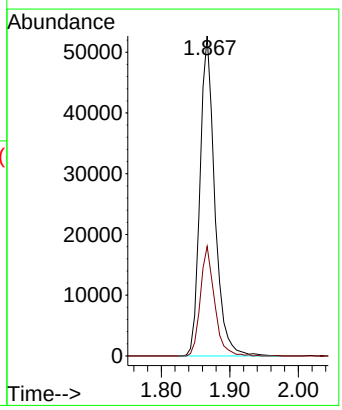


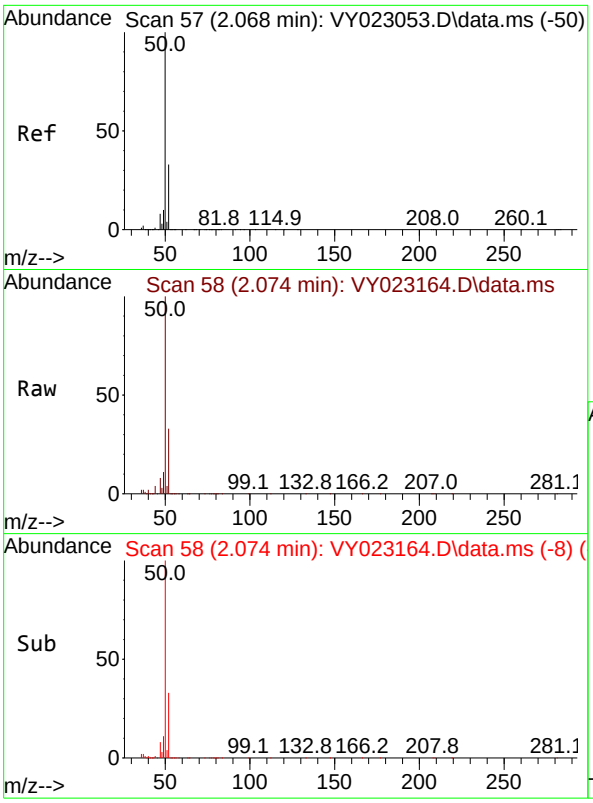


#2
Dichlorodifluoromethane
Concen: 21.074 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 85 Resp: 79053

Ion	Ratio	Lower	Upper
85	100		
87	34.3	16.6	49.8



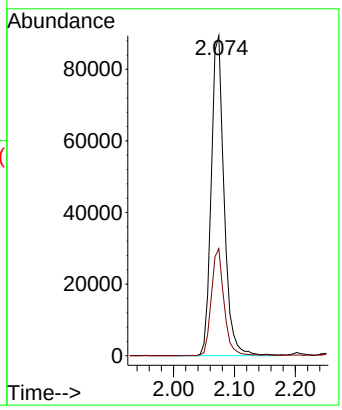


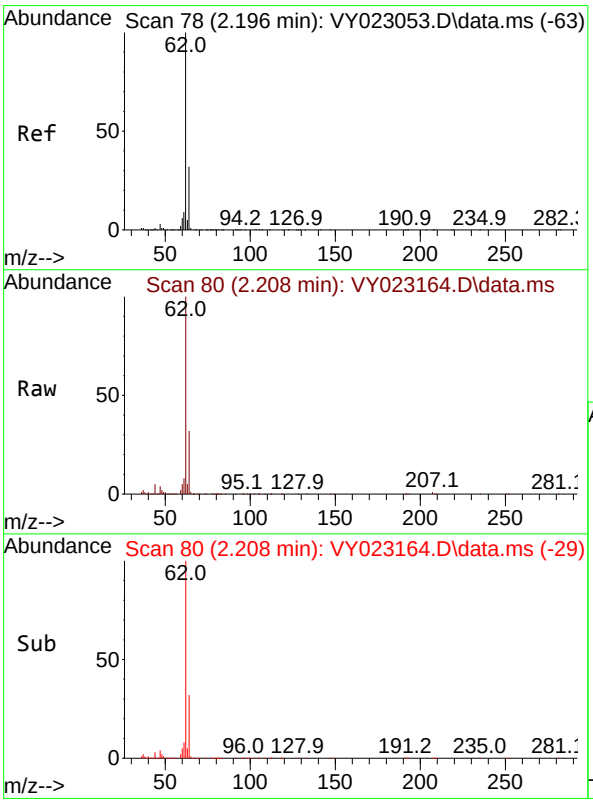
#3
Chloromethane
Concen: 21.550 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 50 Resp: 130929

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.7	40.1

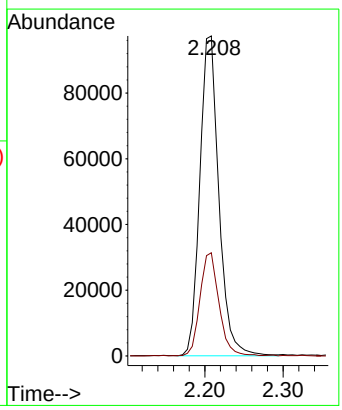


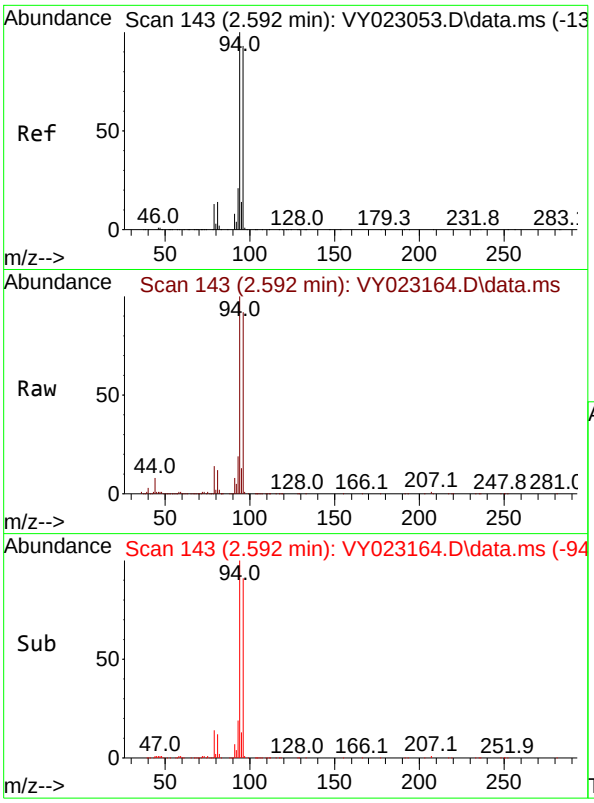


#4
Vinyl Chloride
Concen: 21.848 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 62 Resp: 164087

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0



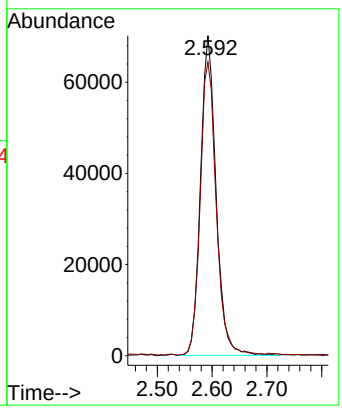


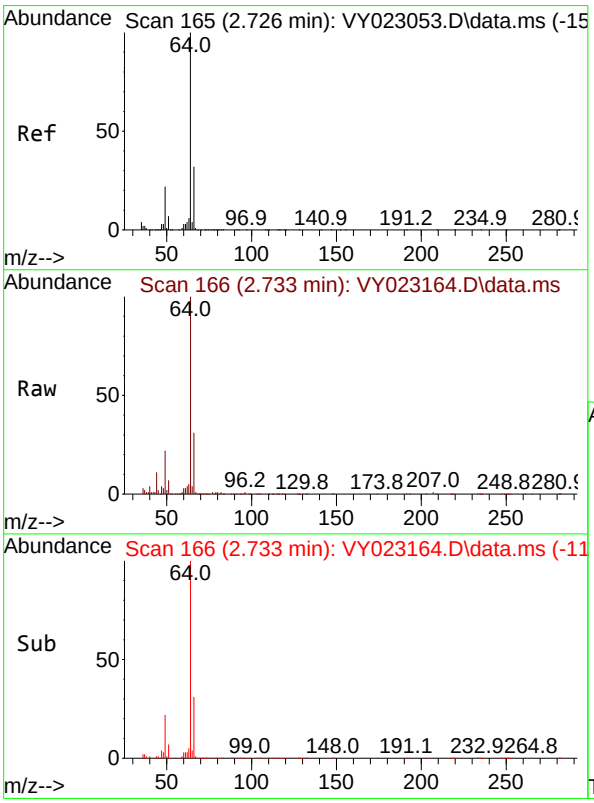
#5
Bromomethane
Concen: 24.621 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 94 Resp: 138095

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.6	112.0

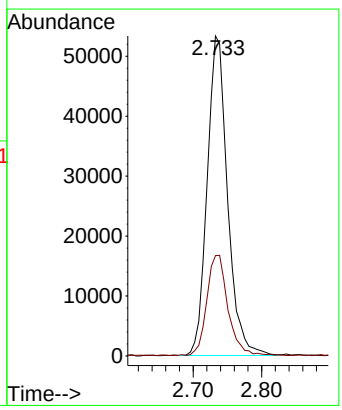


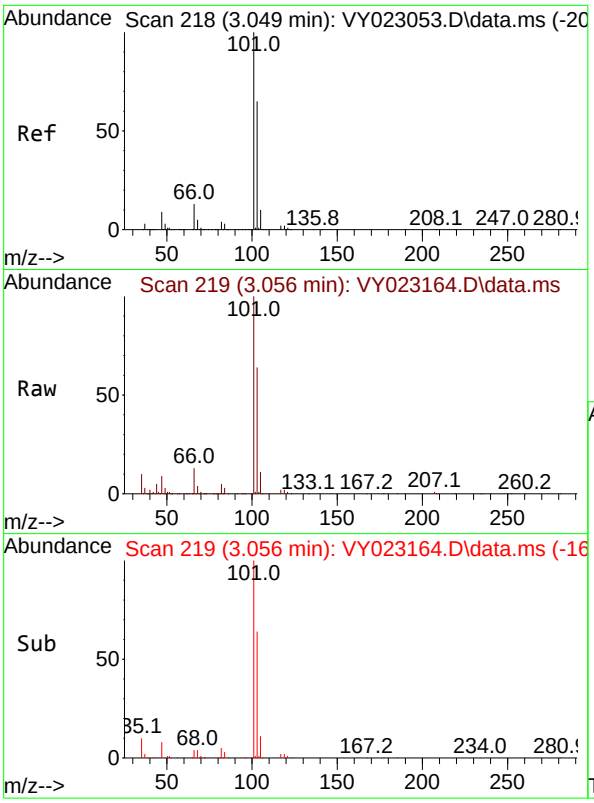


#6
Chloroethane
Concen: 22.053 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 64 Resp: 110112

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.8	38.6



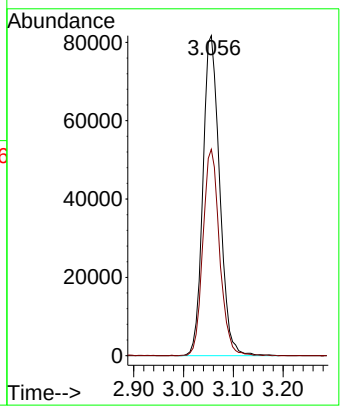


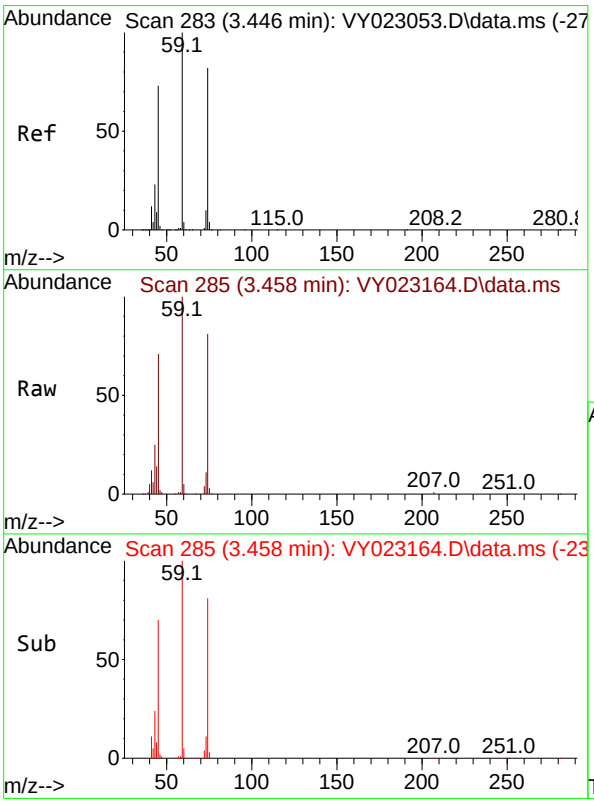
#7
Trichlorofluoromethane
Concen: 20.843 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:101 Resp: 190344

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

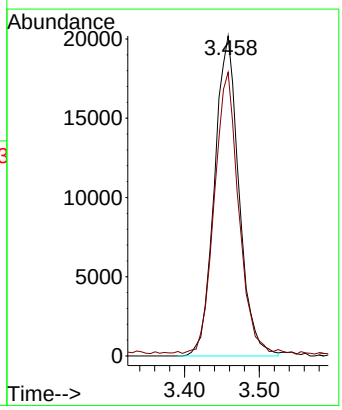


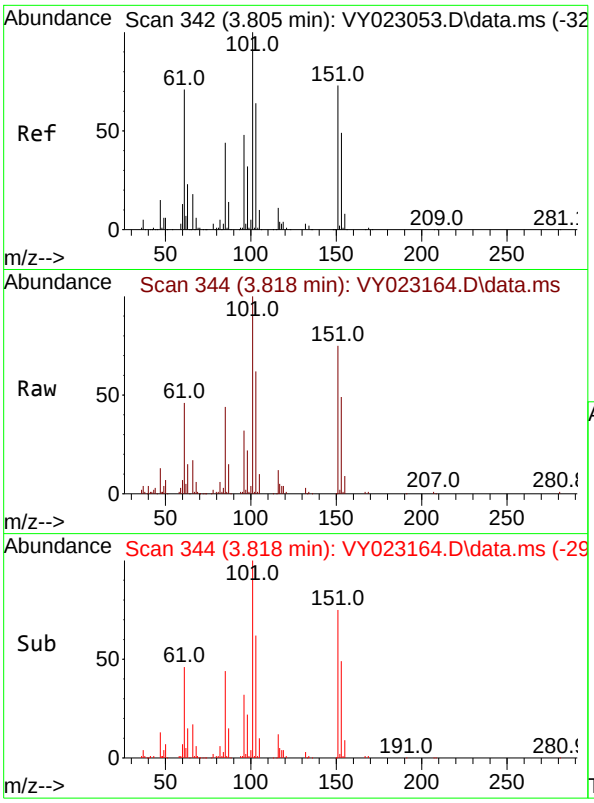


#8
Diethyl Ether
Concen: 19.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 74 Resp: 45992

Ion	Ratio	Lower	Upper
74	100		
45	86.8	44.4	133.2



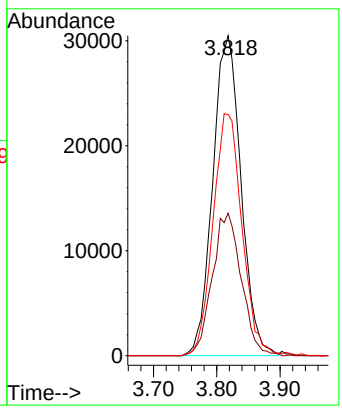


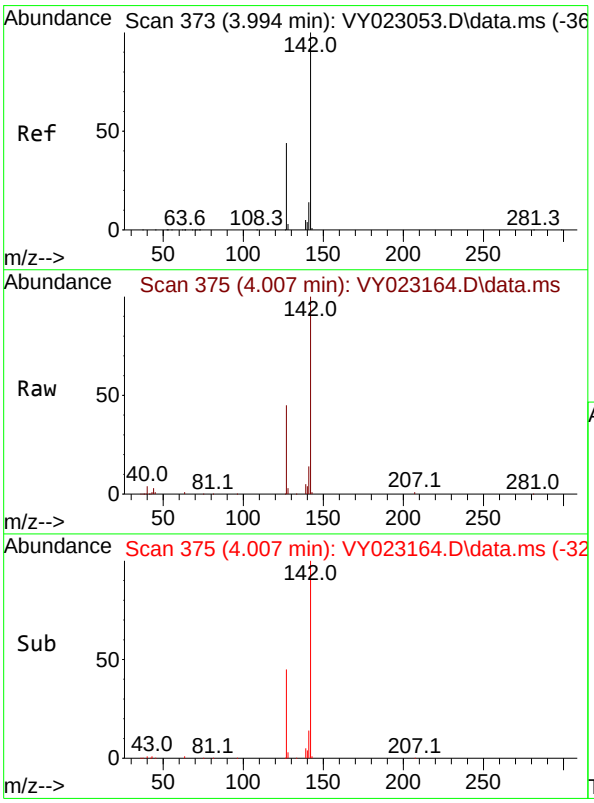
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.006 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:101 Resp: 94641

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	77.3	61.5	92.3

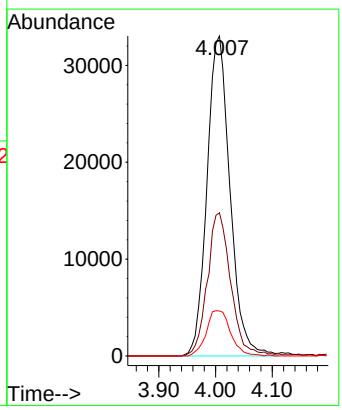


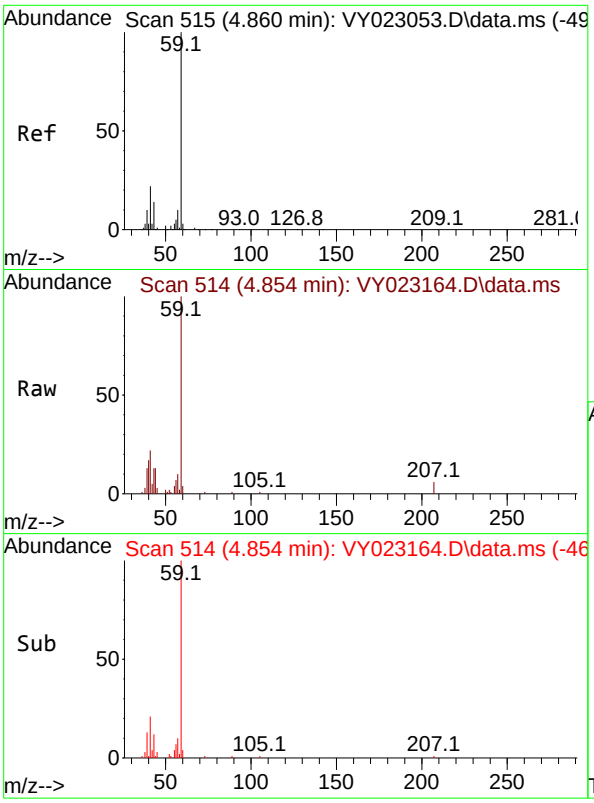


#10
Methyl Iodide
Concen: 19.163 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:142 Resp: 93165

Ion	Ratio	Lower	Upper
142	100		
127	45.6	34.9	52.3
141	14.9	11.3	16.9



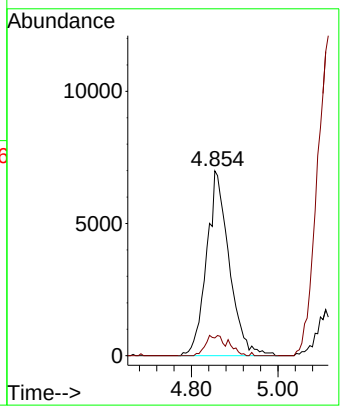


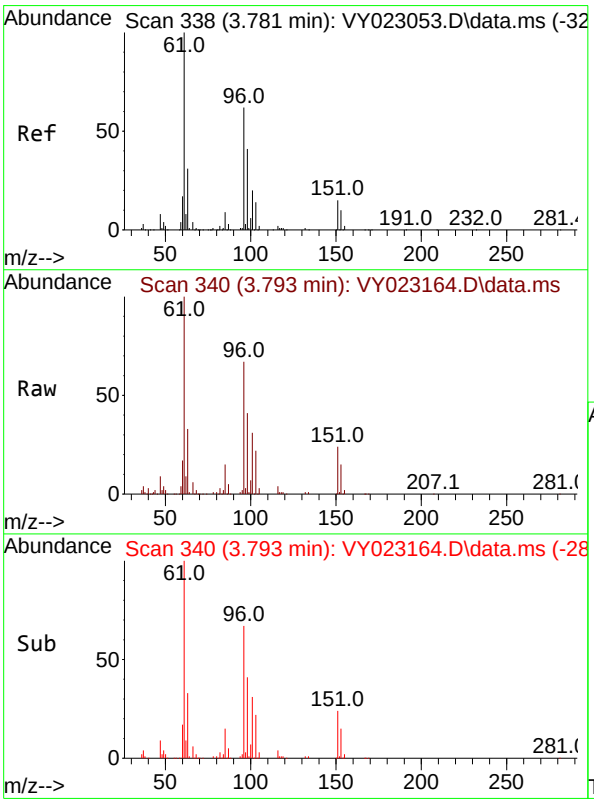
#11
Tert butyl alcohol
Concen: 84.424 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 59 Resp: 25336

Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.6	13.0#

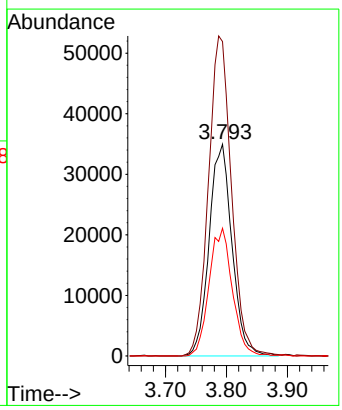


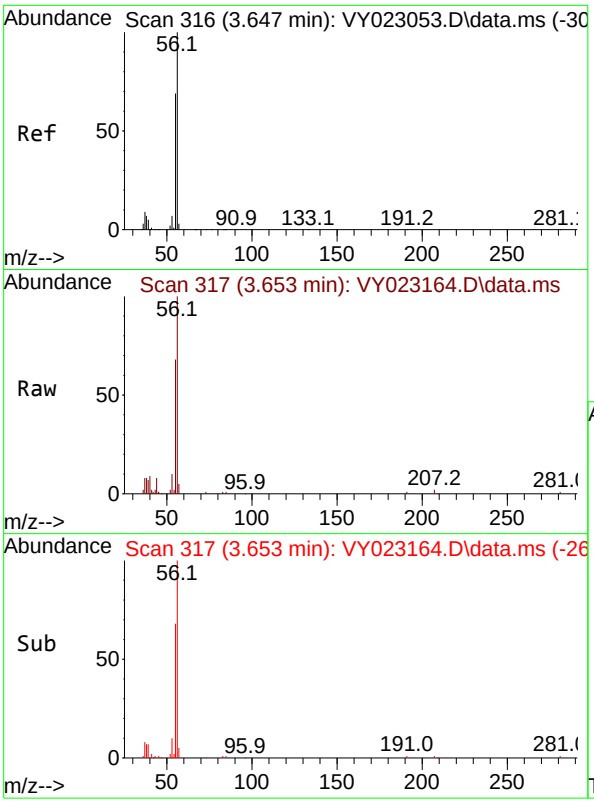


#12
1,1-Dichloroethene
Concen: 20.600 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 96 Resp: 91227

Ion	Ratio	Lower	Upper
96	100		
61	148.5	129.4	194.2
98	60.3	52.8	79.2



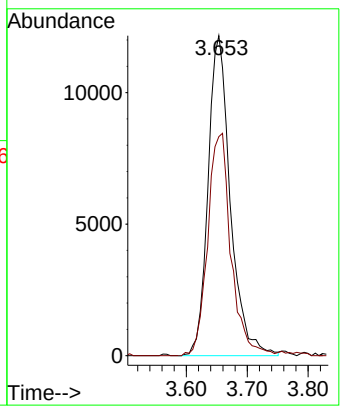


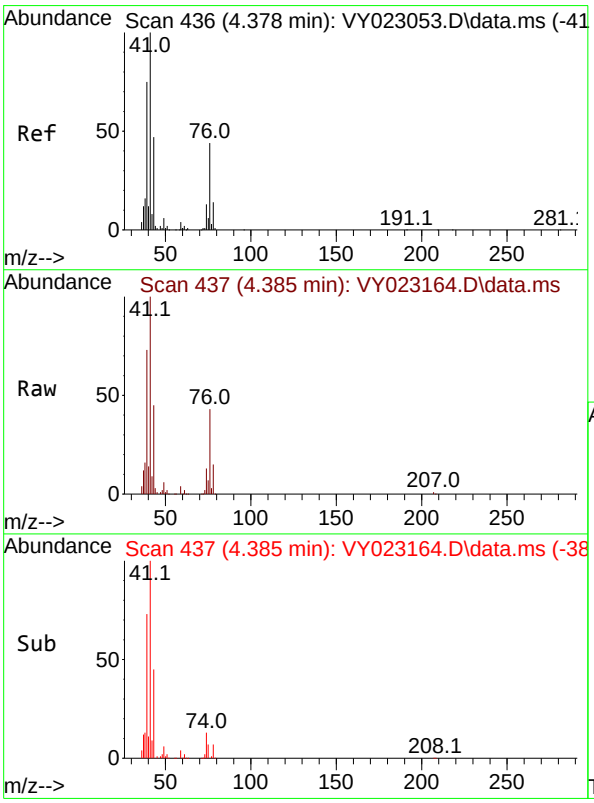
#13
Acrolein
Concen: 70.324 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 56 Resp: 30908

Ion	Ratio	Lower	Upper
56	100		
55	72.4	55.2	82.8

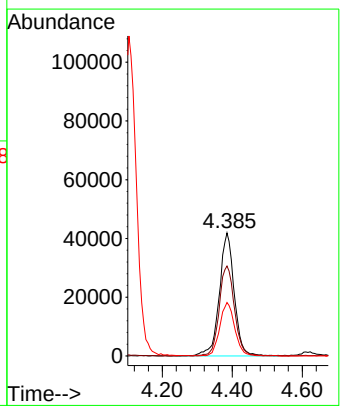


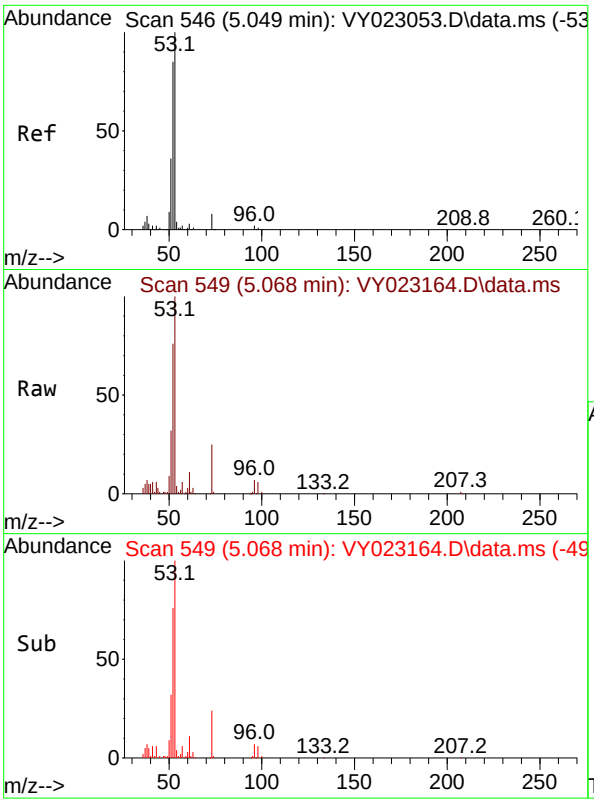


#14
Allyl chloride
Concen: 18.993 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 41 Resp: 123764

Ion	Ratio	Lower	Upper
41	100		
39	75.1	59.8	89.6
76	43.6	33.7	50.5



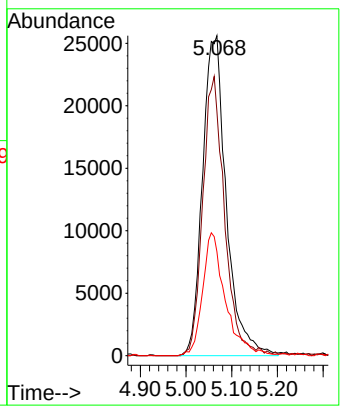


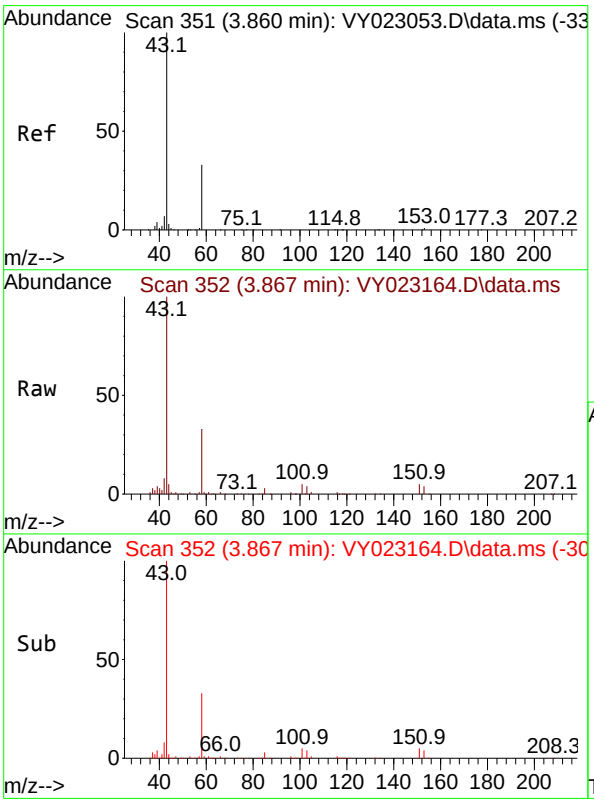
#15
Acrylonitrile
Concen: 94.158 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.018 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 53 Resp: 92487

Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.3	97.9
51	36.8	29.5	44.3

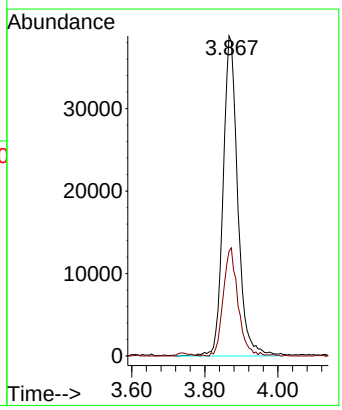


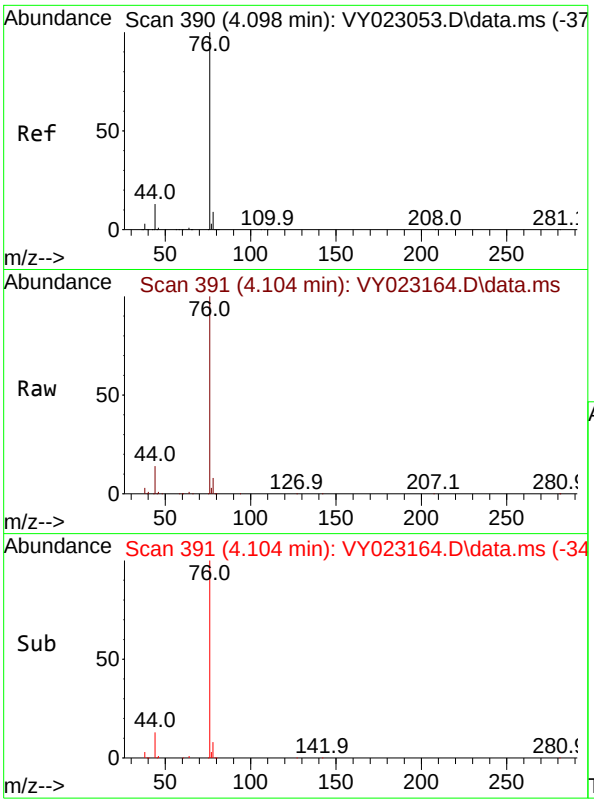


#16
Acetone
Concen: 114.225 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 108385

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.1	40.7



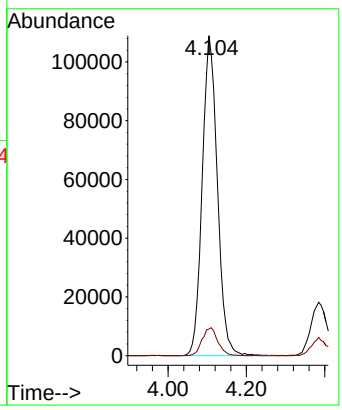


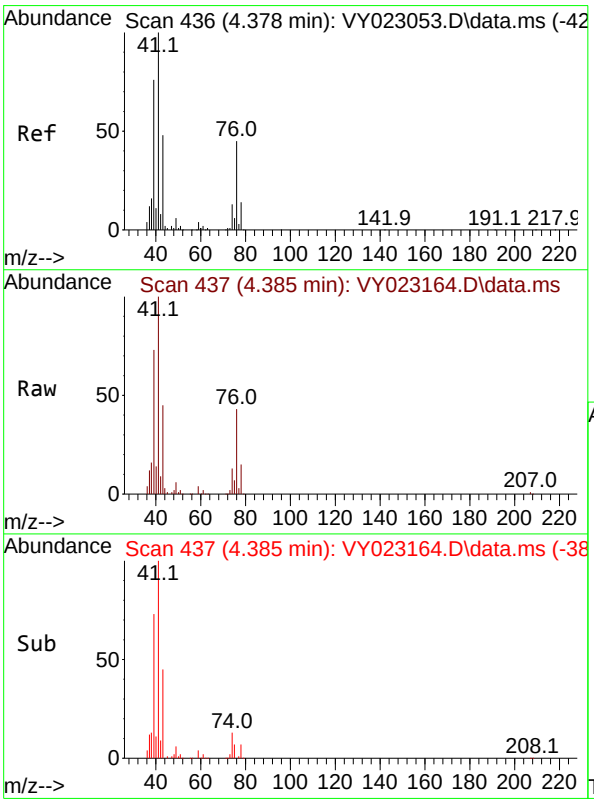
#17
Carbon Disulfide
Concen: 20.217 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 76 Resp: 291923

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.2

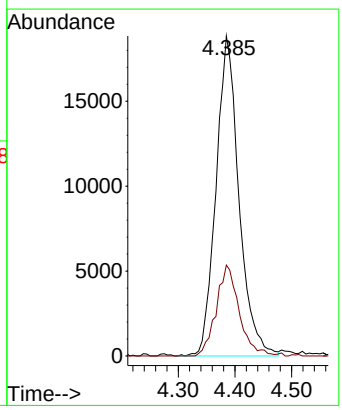


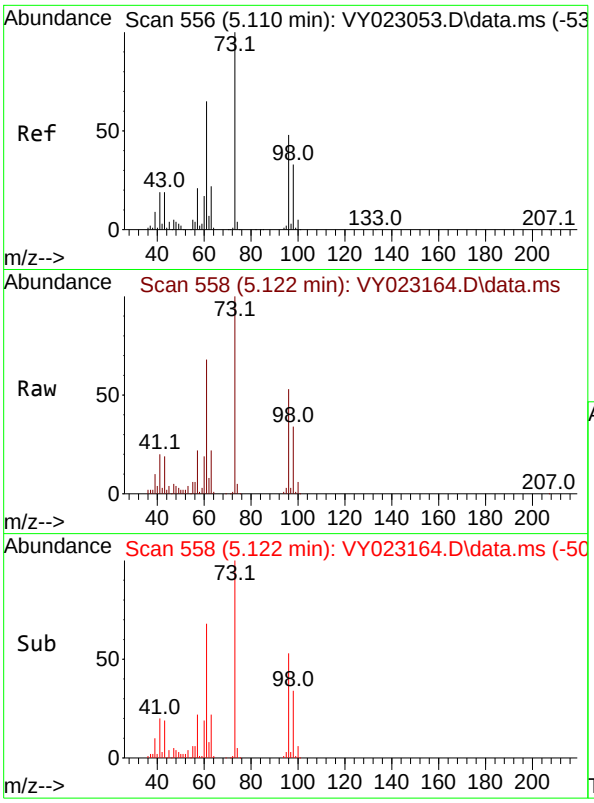


#18
Methyl Acetate
Concen: 18.733 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 52896

Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.2	31.8



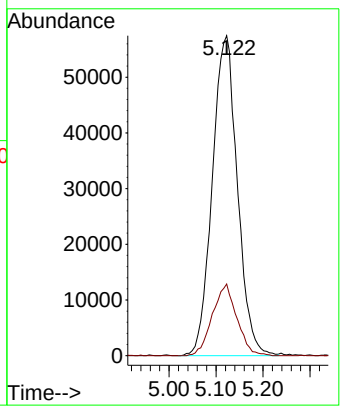


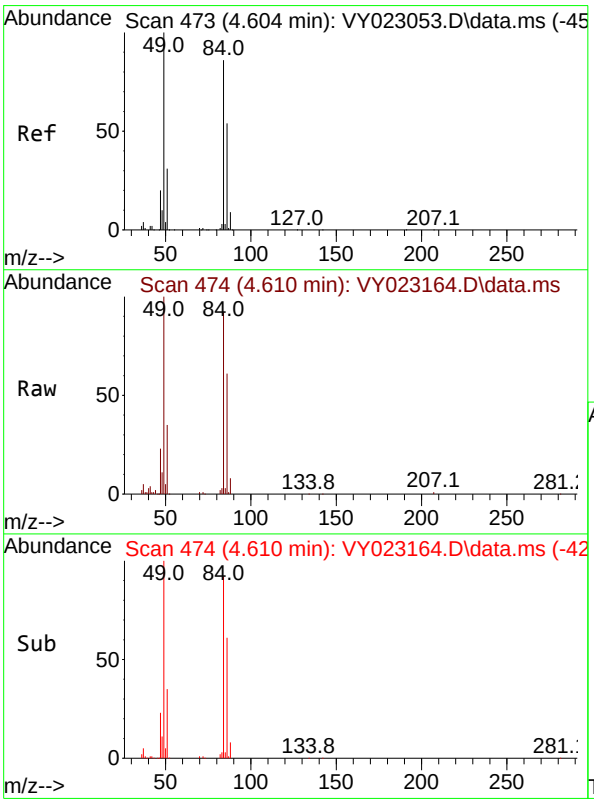
#19
Methyl tert-butyl Ether
Concen: 18.599 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 73 Resp: 213430

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

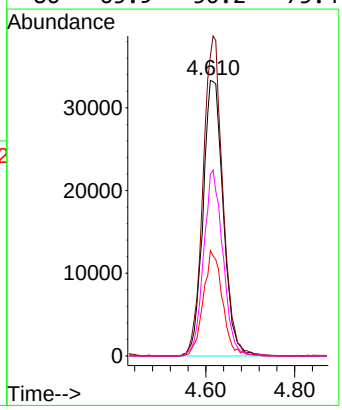


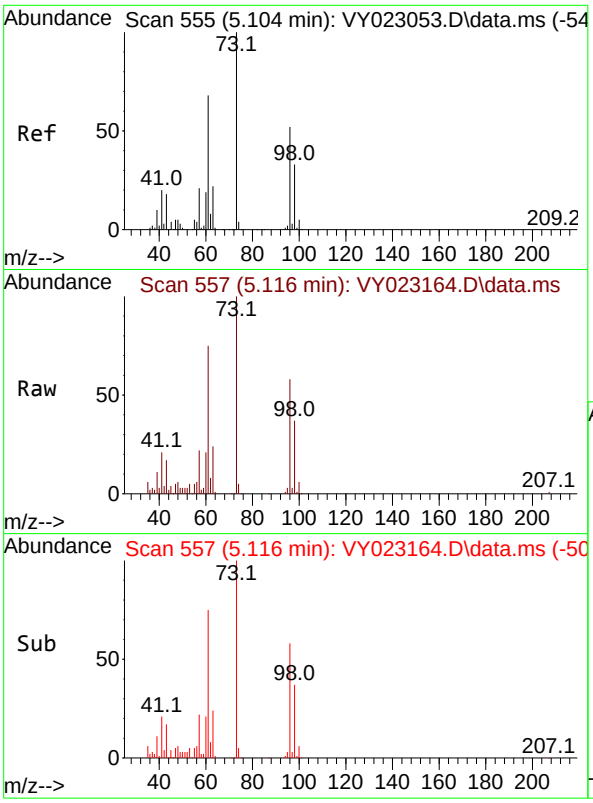


#20
Methylene Chloride
Concen: 19.691 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 84 Resp: 105212

Ion	Ratio	Lower	Upper
84	100		
49	108.7	93.0	139.6
51	38.2	29.0	43.4
86	65.9	50.2	75.4



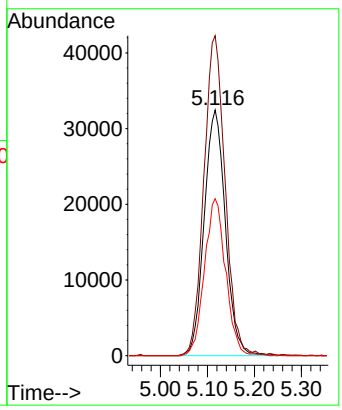


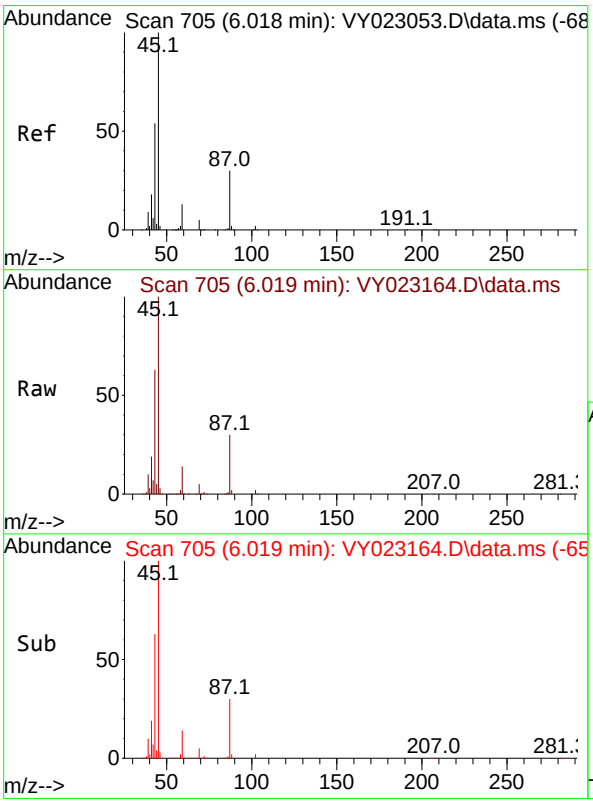
#21
trans-1,2-Dichloroethene
Concen: 20.447 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 96 Resp: 101756

Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.8	157.2
98	63.9	50.1	75.1

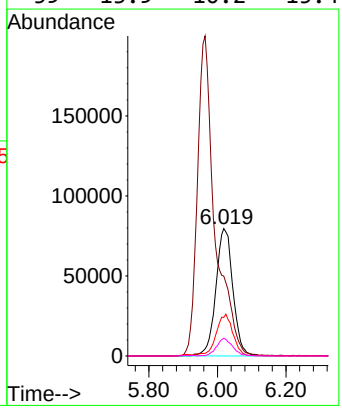


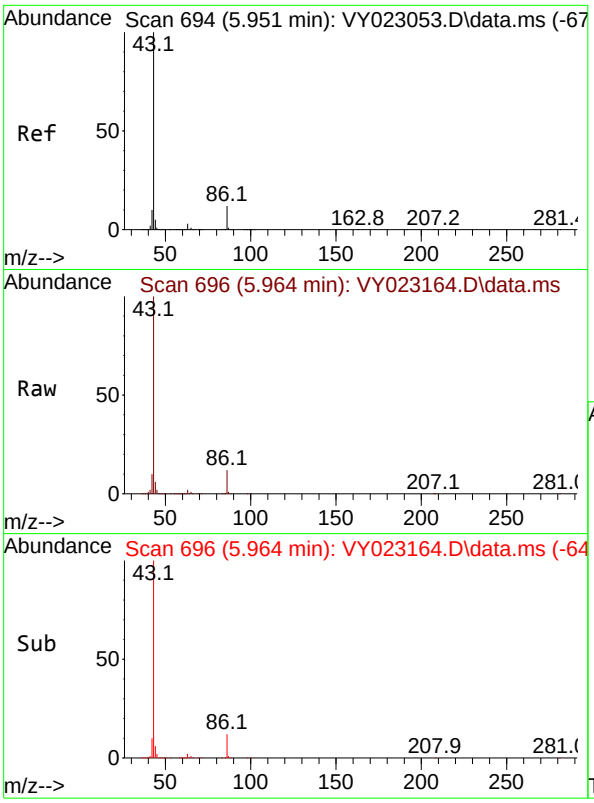


#22
Diisopropyl ether
Concen: 19.356 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 45 Resp: 274076

Ion	Ratio	Lower	Upper
45	100		
43	62.6	43.4	65.0
87	30.3	24.4	36.6
59	13.9	10.2	15.4



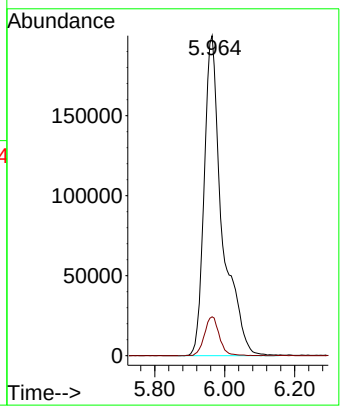


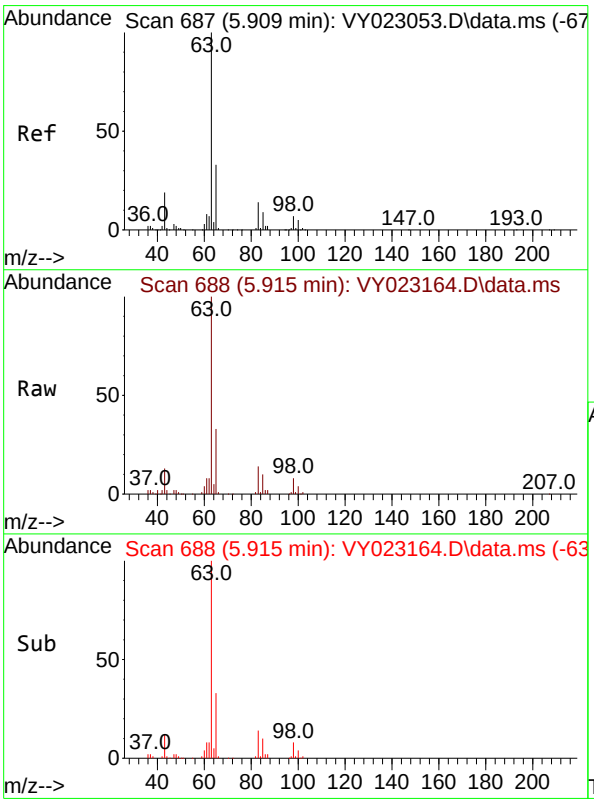
#23
Vinyl Acetate
Concen: 91.149 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 43 Resp: 713664

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.6	14.4

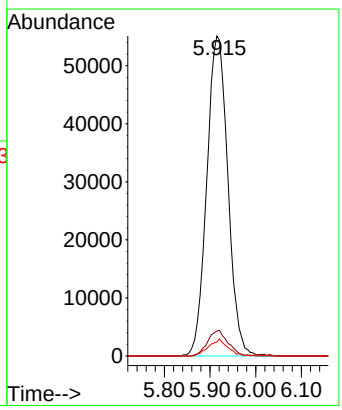


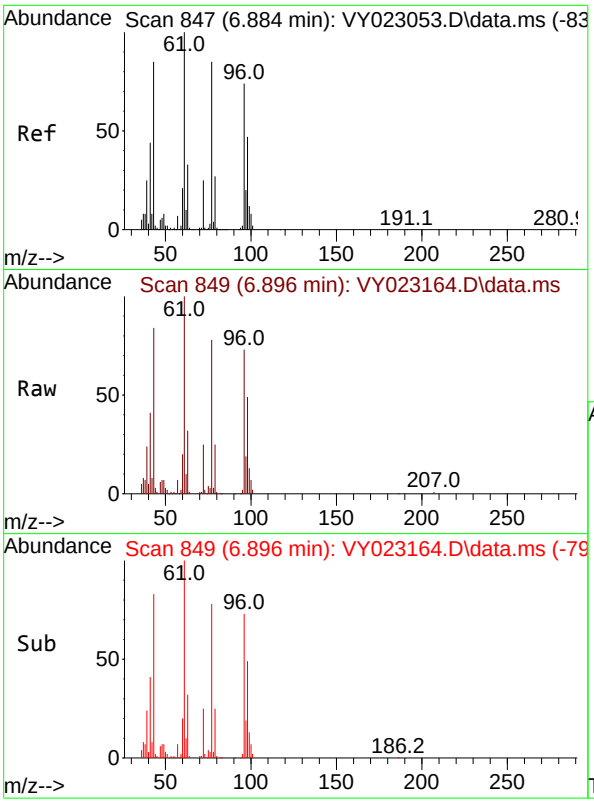


#24
1,1-Dichloroethane
Concen: 20.424 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 63 Resp: 176815

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.5	10.6
100	4.4	2.4	7.1



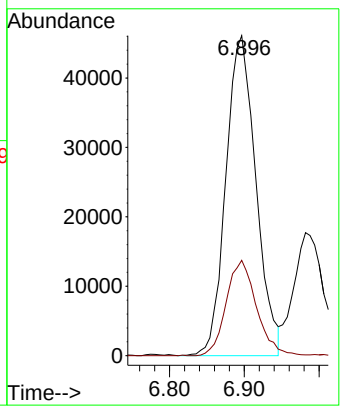


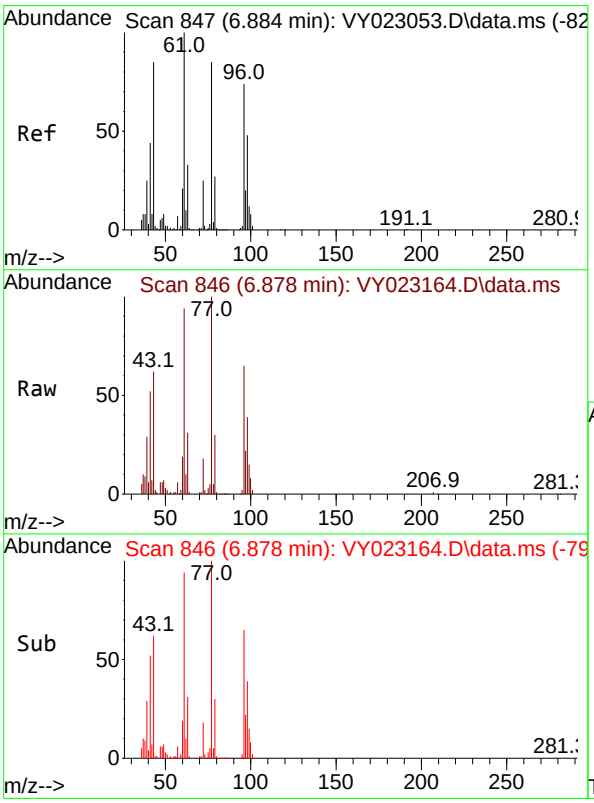
#25
2-Butanone
Concen: 99.942 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 43 Resp: 128976

Ion	Ratio	Lower	Upper
43	100		
72	29.8	23.5	35.3

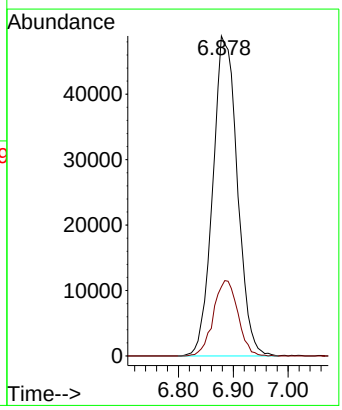


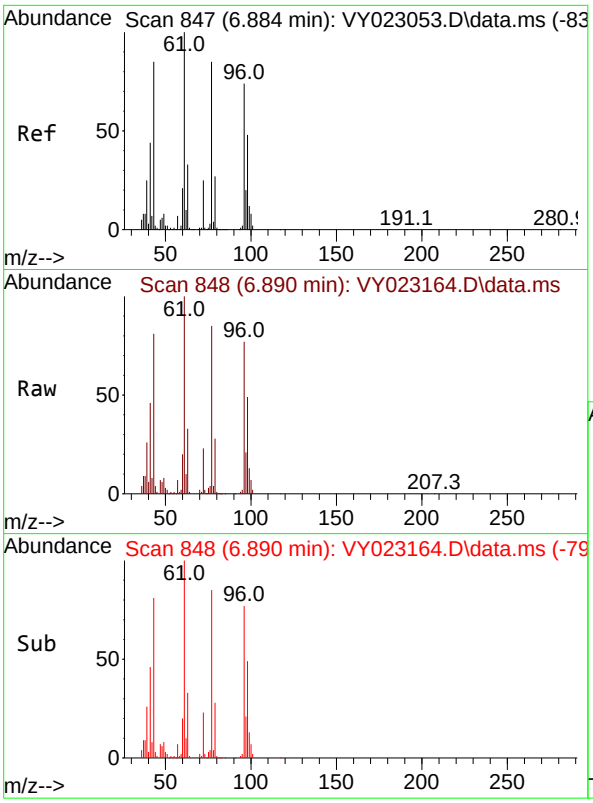


#26
2,2-Dichloropropane
Concen: 20.404 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 77 Resp: 152419

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.6	34.8



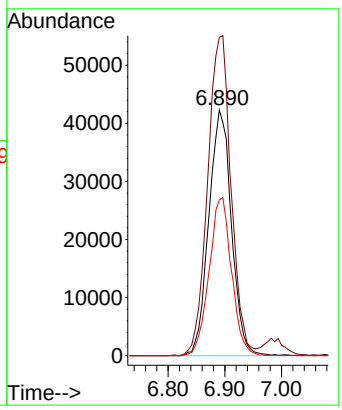


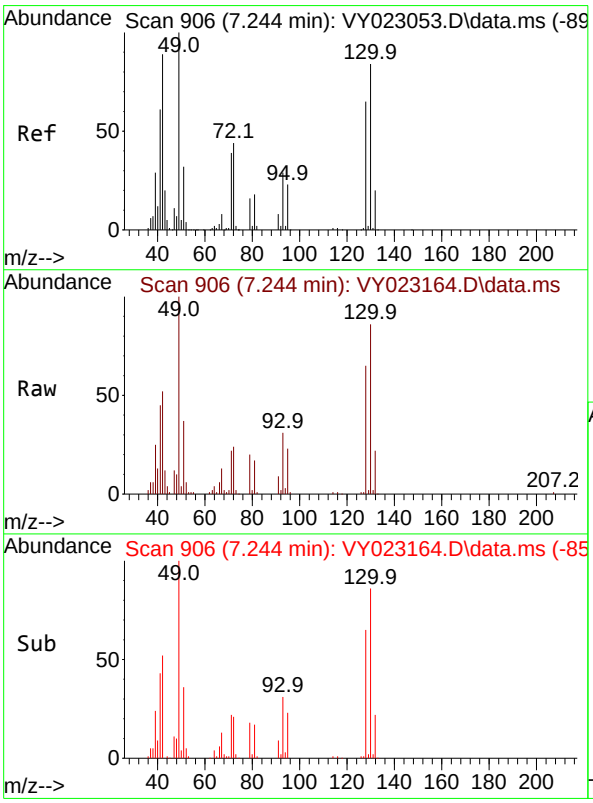
#27
cis-1,2-Dichloroethene
Concen: 20.382 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 96 Resp: 117267

Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	278.6
98	63.7	0.0	130.4

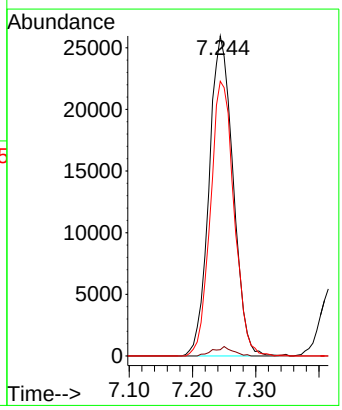


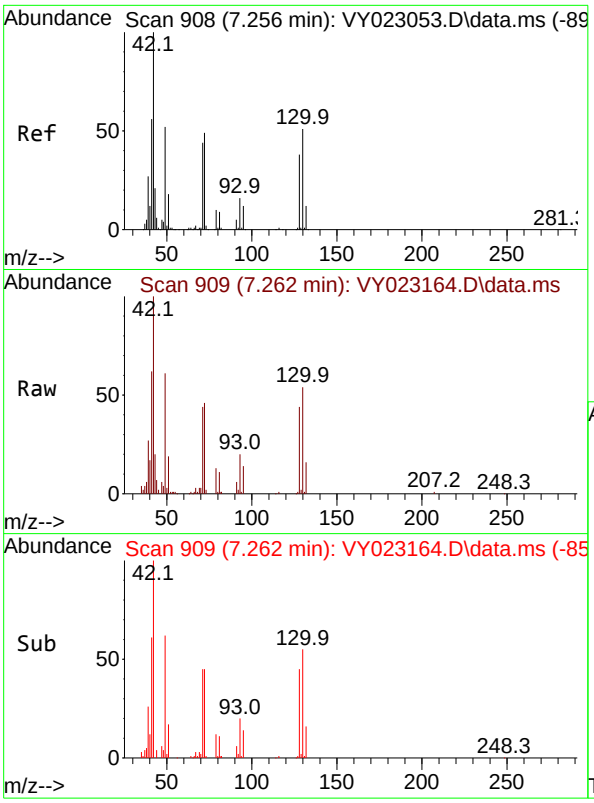


#28
Bromochloromethane
Concen: 19.885 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 49 Resp: 68297

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	84.5	66.4	99.6



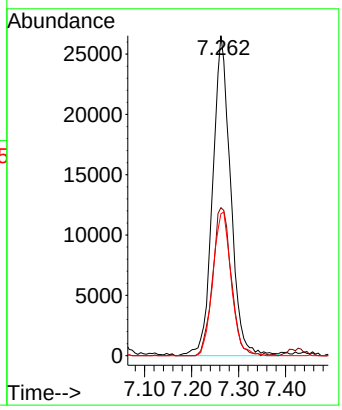


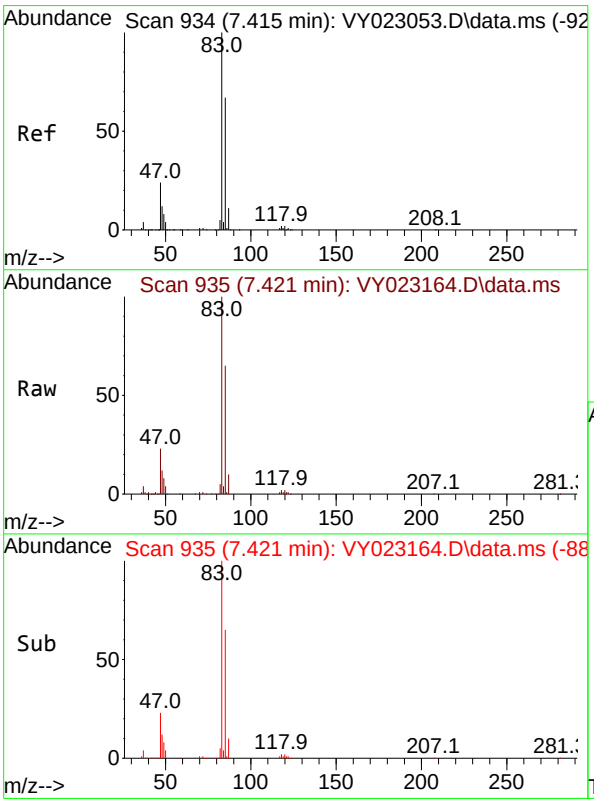
#29
Tetrahydrofuran
Concen: 88.345 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 42 Resp: 70670

Ion	Ratio	Lower	Upper
42	100		
72	47.7	39.4	59.2
71	45.7	36.5	54.7

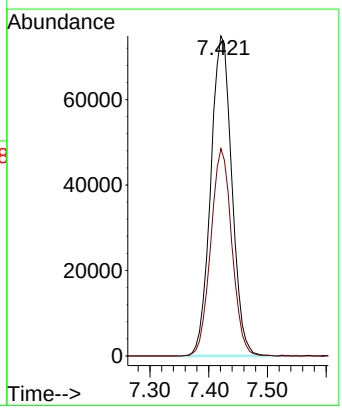


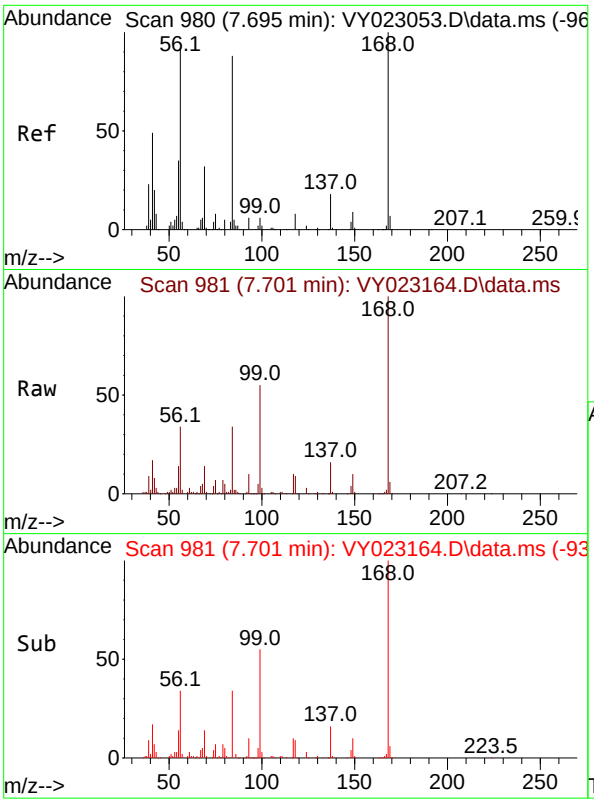


#30
Chloroform
Concen: 20.993 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 83 Resp: 187434

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8



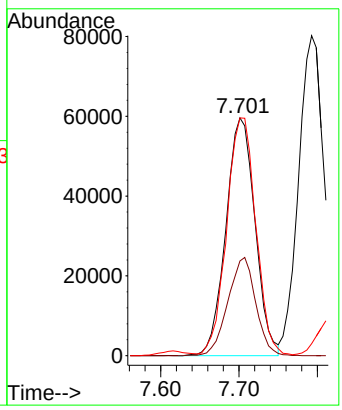


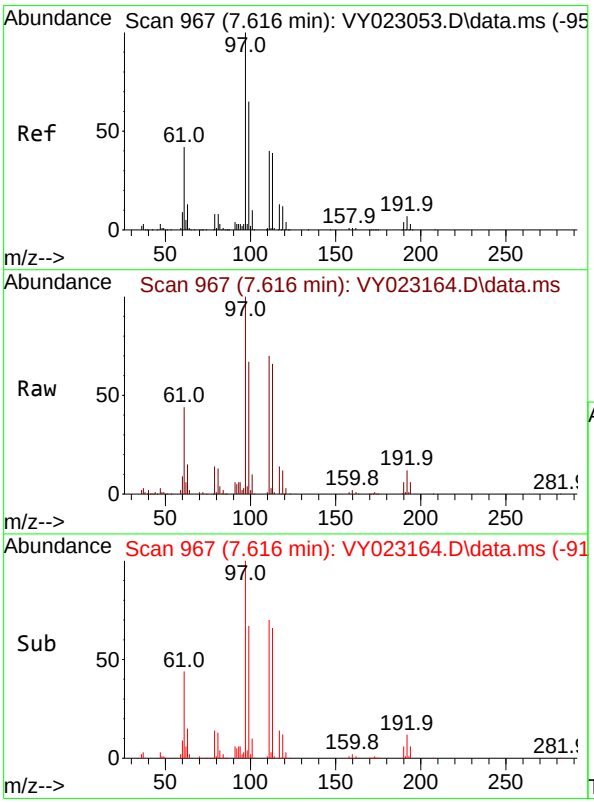
#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 56 Resp: 154414

Ion	Ratio	Lower	Upper
56	100		
69	39.9	28.2	42.2
84	98.3	76.6	114.8

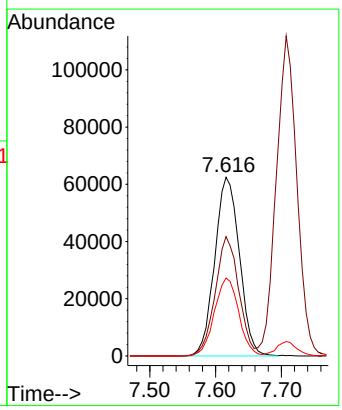


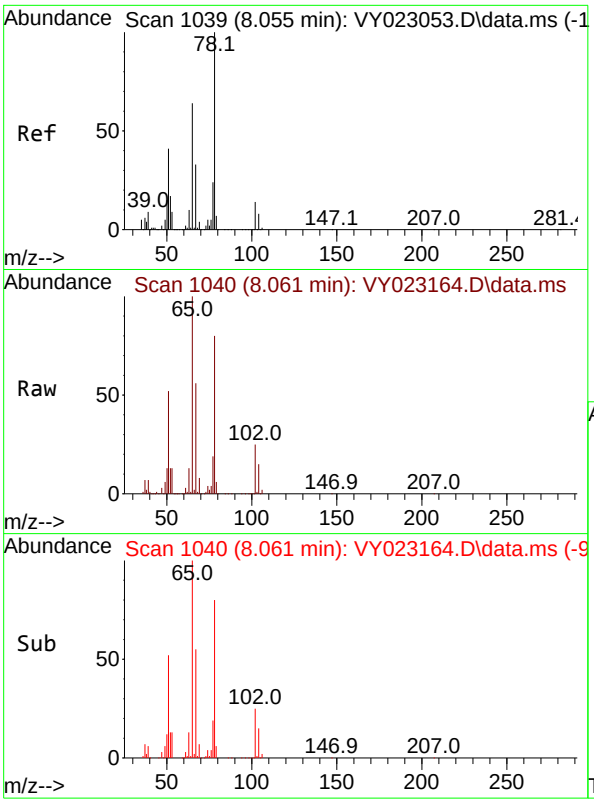


#32
1,1,1-Trichloroethane
Concen: 20.612 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 97 Resp: 163289

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.6	77.4
61	43.0	34.2	51.2



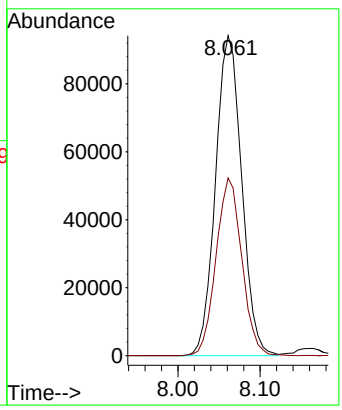


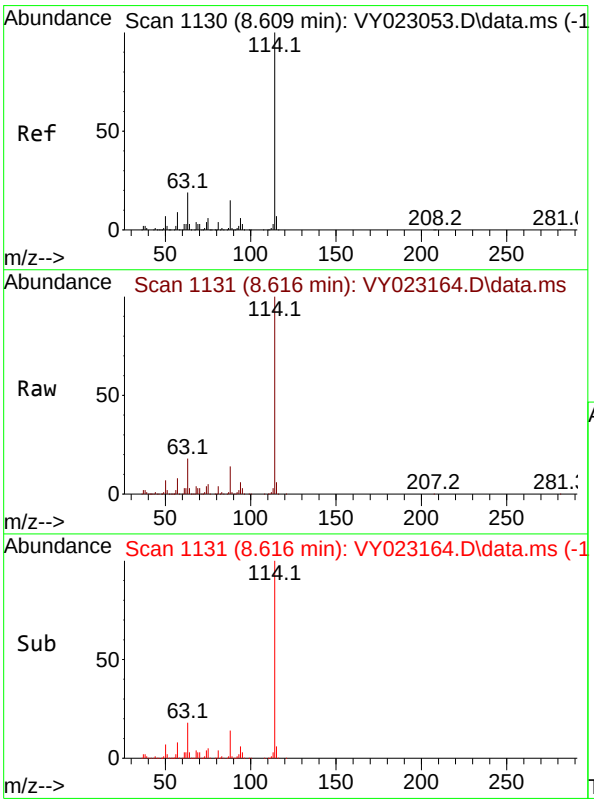
#33
1,2-Dichloroethane-d4
Concen: 47.528 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 65 Resp: 208166

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	106.8

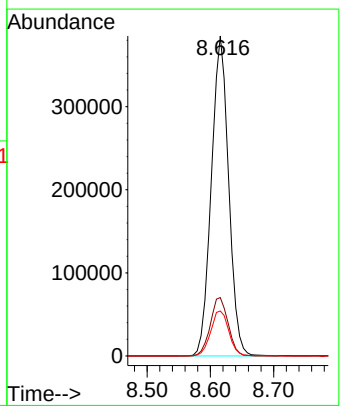


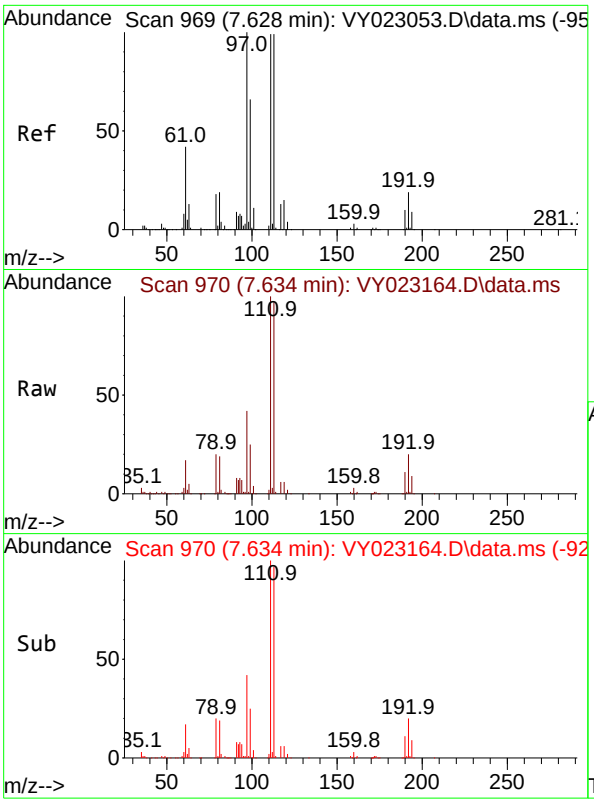


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:114 Resp: 730484

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	14.0	0.0	30.0



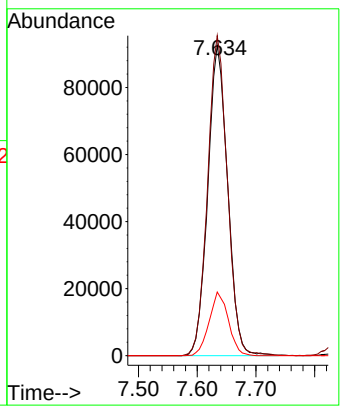


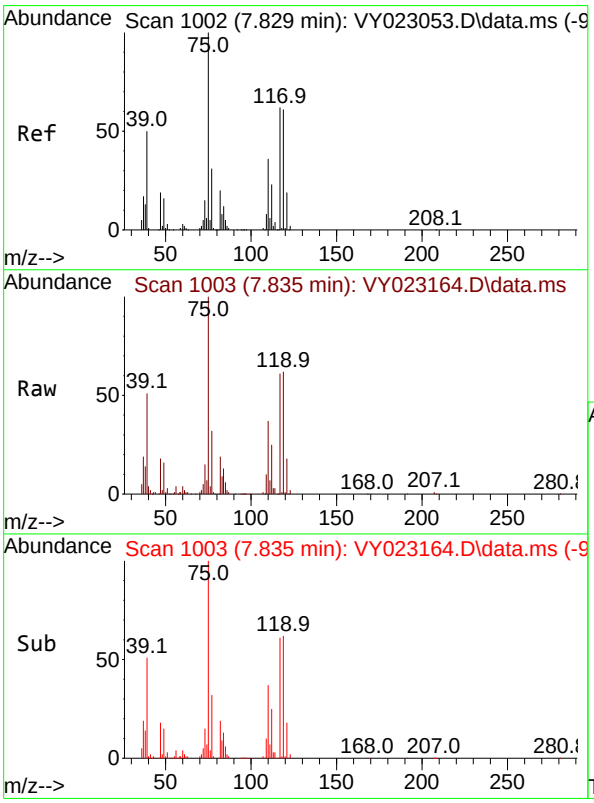
#35
Dibromofluoromethane
Concen: 49.702 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:113 Resp: 217247

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	19.8	16.2	24.4

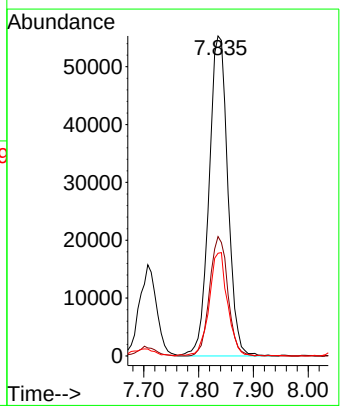


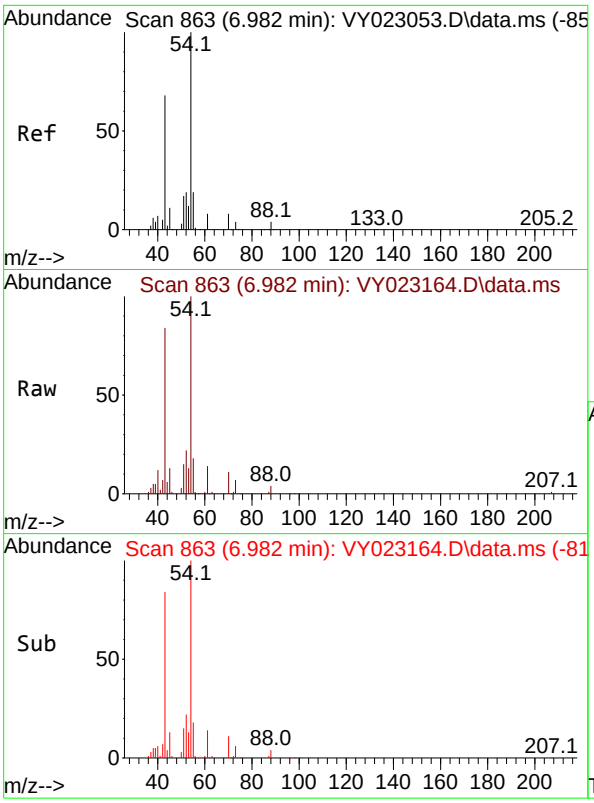


#36
1,1-Dichloropropene
Concen: 20.252 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 131556

Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.4
77	31.7	24.6	37.0



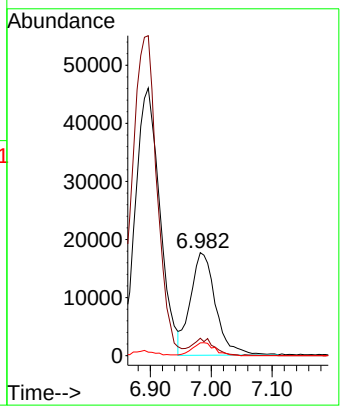


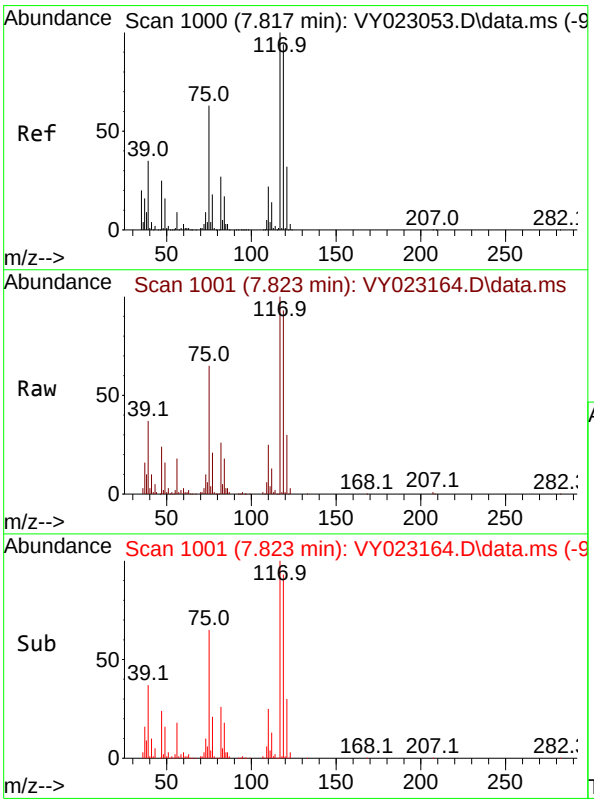
#37
Ethyl Acetate
Concen: 18.572 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 43 Resp: 50678

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.4	8.8	13.2

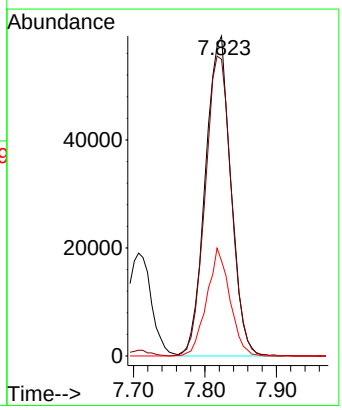


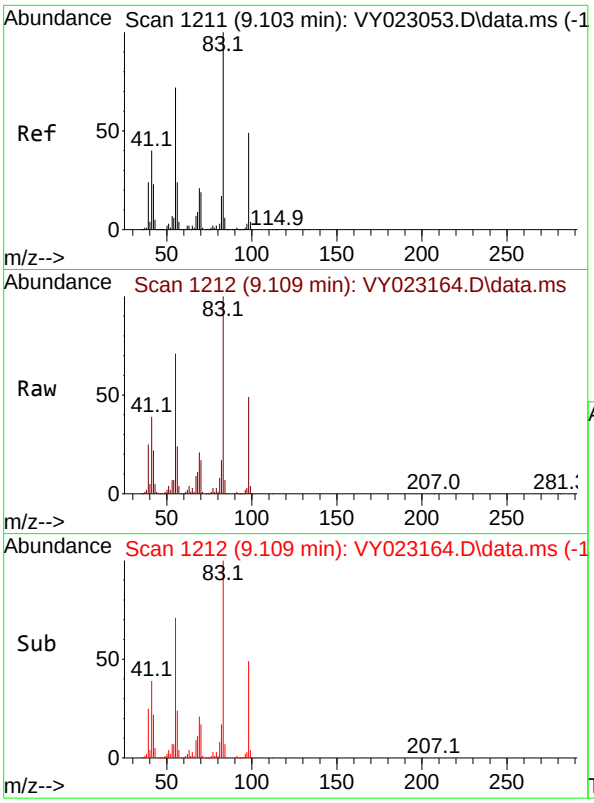


#38
Carbon Tetrachloride
Concen: 20.707 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:117 Resp: 146099

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.6	113.4
121	29.6	25.8	38.8



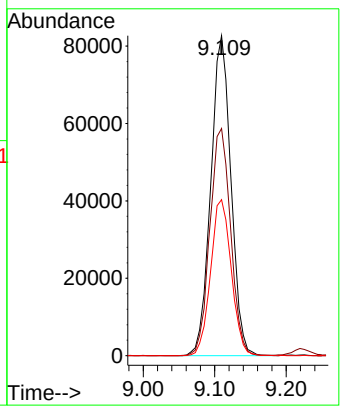


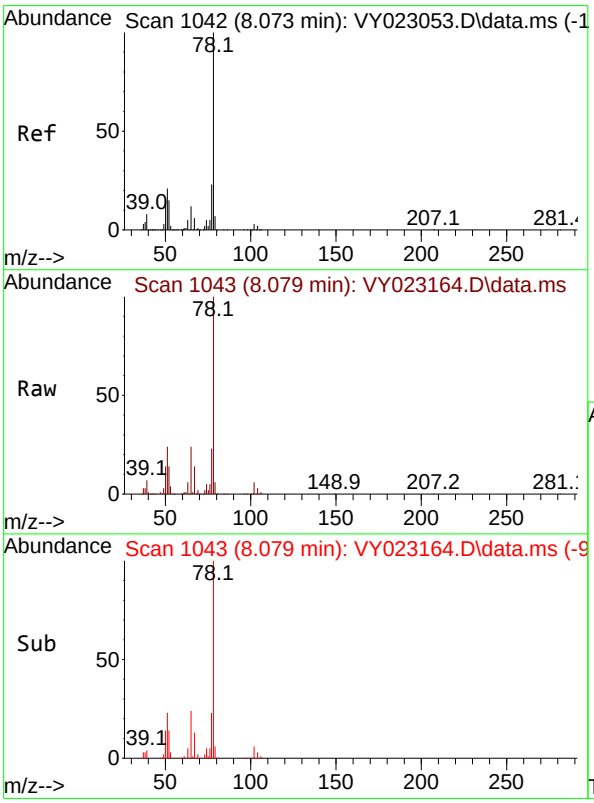
#39
Methylcyclohexane
Concen: 18.926 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 83 Resp: 161897

Ion	Ratio	Lower	Upper
83	100		
55	71.0	57.6	86.4
98	48.8	39.2	58.8

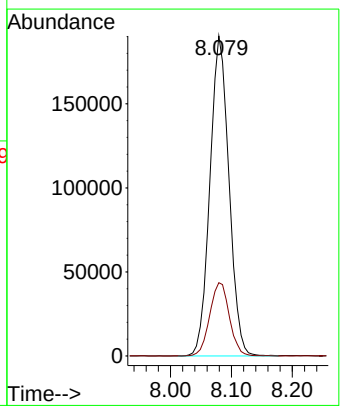


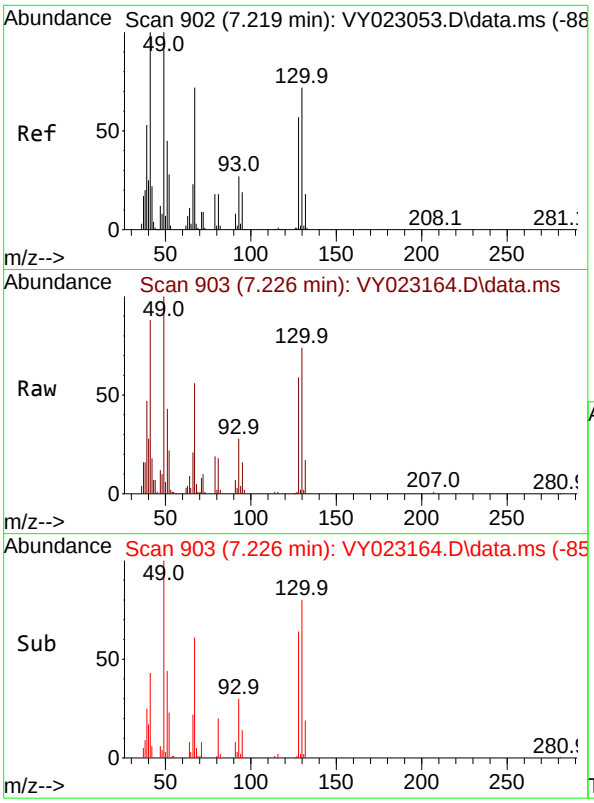


#40
Benzene
Concen: 20.662 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 78 Resp: 413672

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0



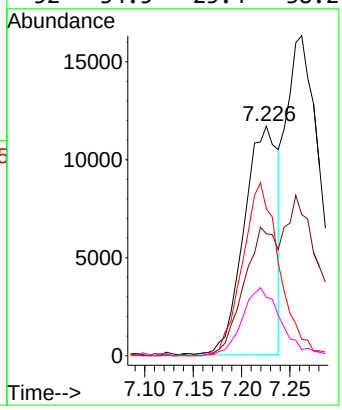


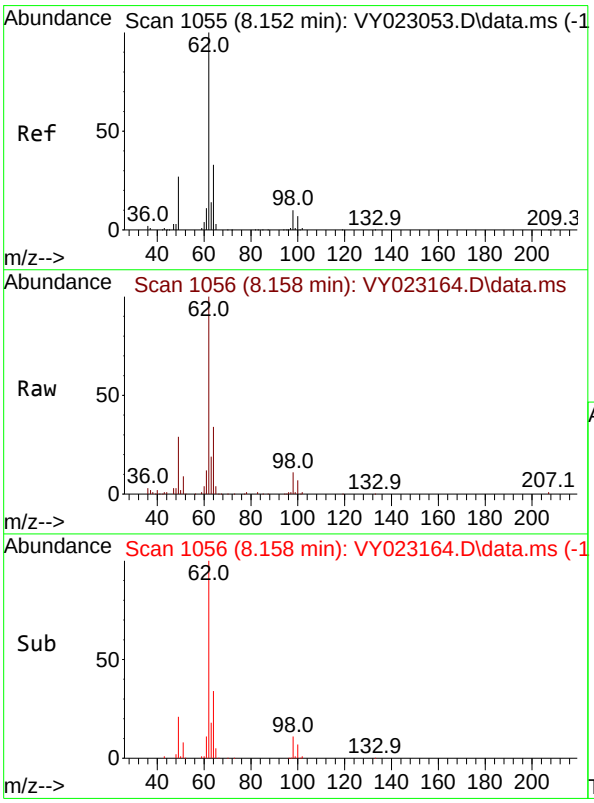
#41
Methacrylonitrile
Concen: 17.963 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 41 Resp: 28288

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.4	65.2
67	83.7	63.6	95.4
52	34.5	25.4	38.2

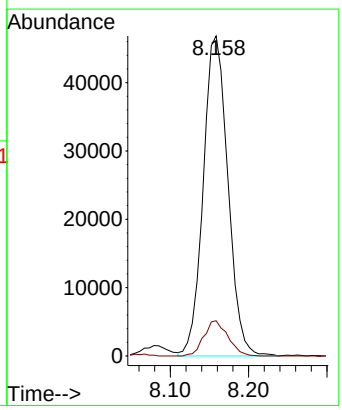


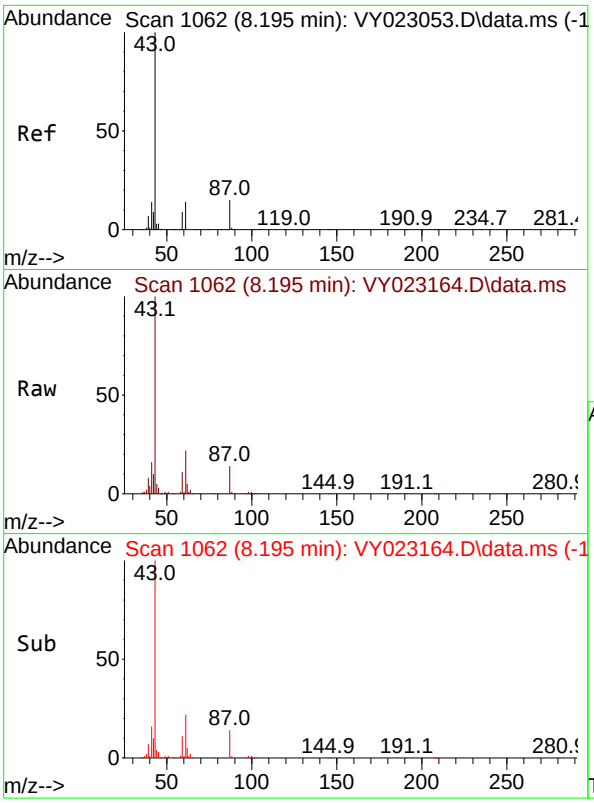


#42
1,2-Dichloroethane
Concen: 19.682 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 62 Resp: 102487

Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6



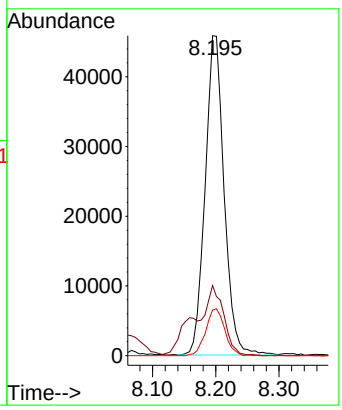


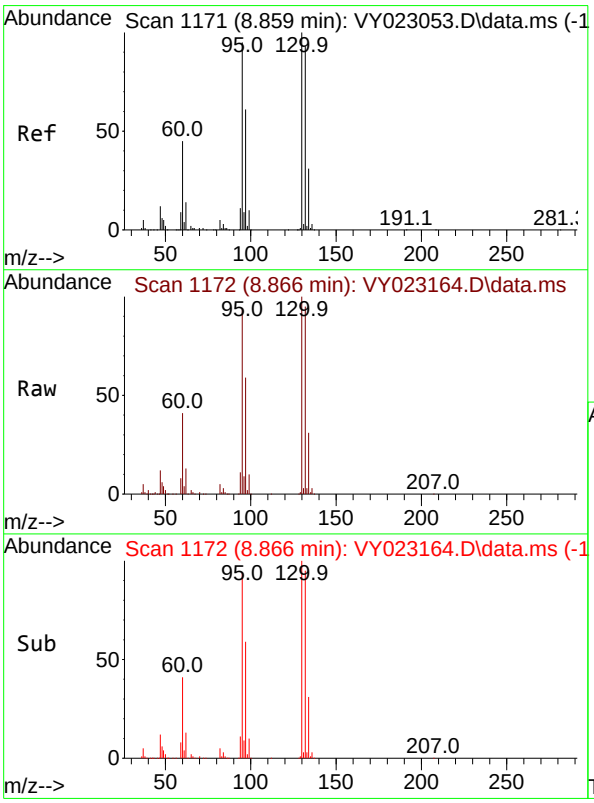
#43
Isopropyl Acetate
Concen: 17.327 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 43 Resp: 95562

Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	14.8	11.8	17.6

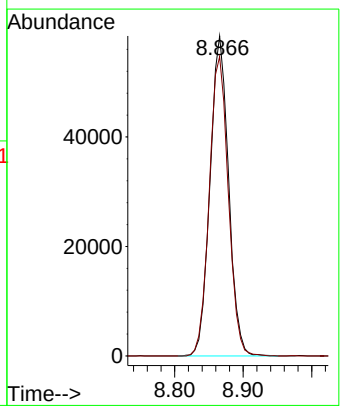


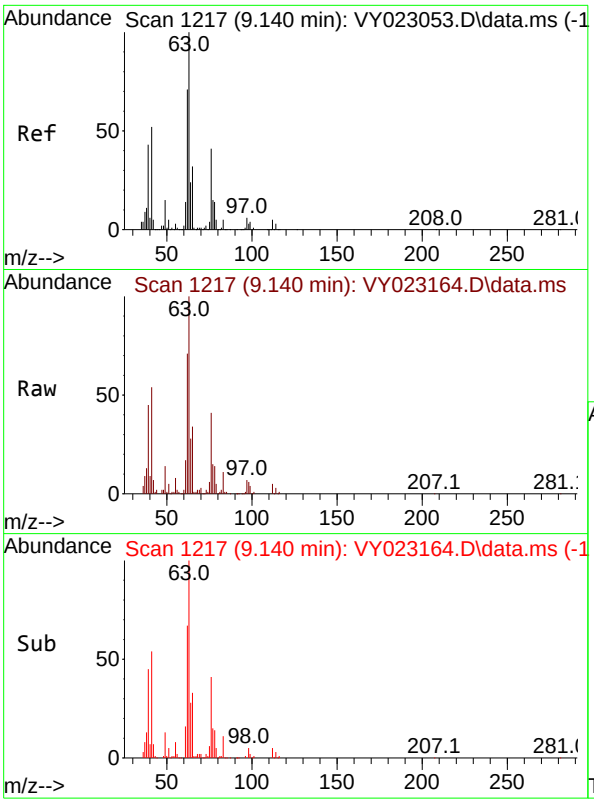


#44
Trichloroethene
Concen: 21.260 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:130 Resp: 109999

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	190.2



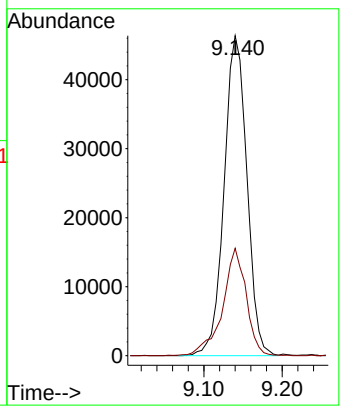


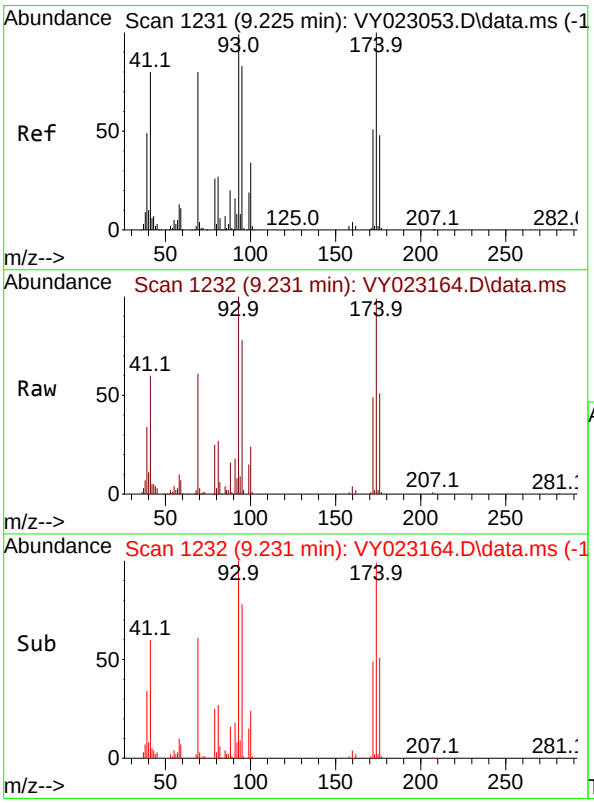
#45
1,2-Dichloropropane
Concen: 20.332 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 63 Resp: 93662

Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.3	37.9

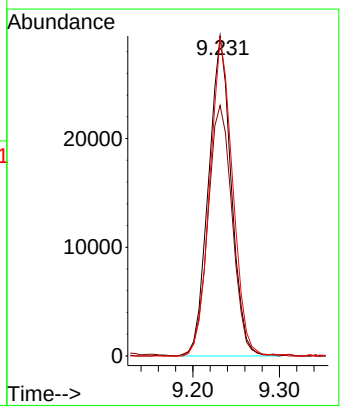


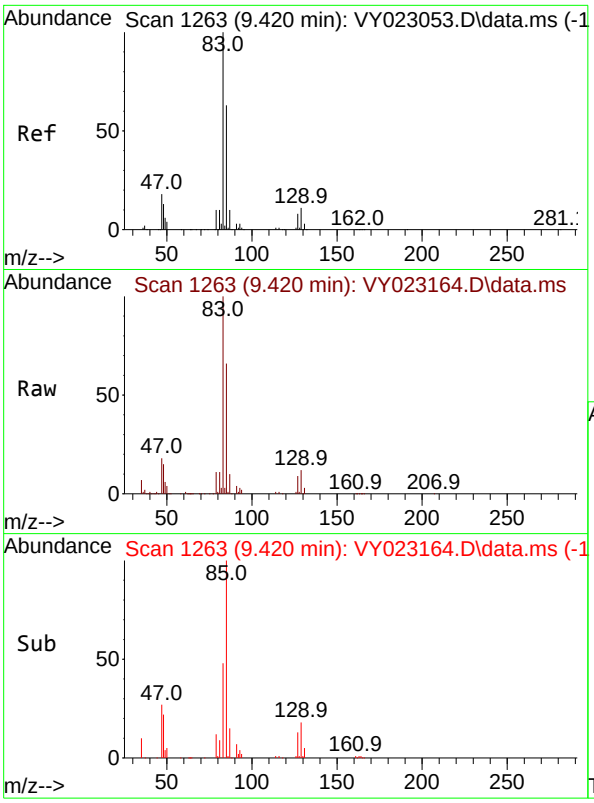


#46
Dibromomethane
Concen: 20.240 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 93 Resp: 53516

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.5	99.7
174	100.3	81.8	122.8



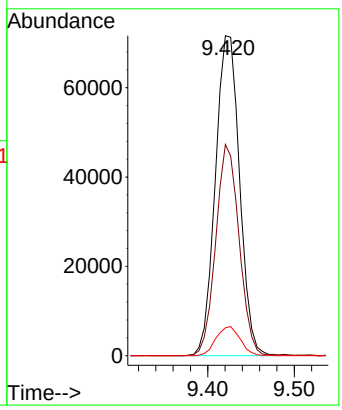


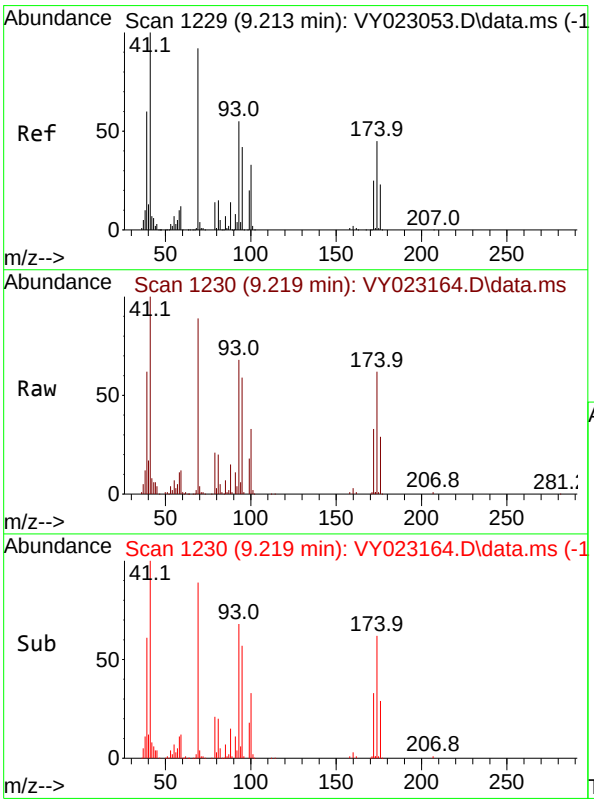
#47
Bromodichloromethane
Concen: 20.448 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 83 Resp: 139120

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.2	75.4
127	8.7	6.6	10.0

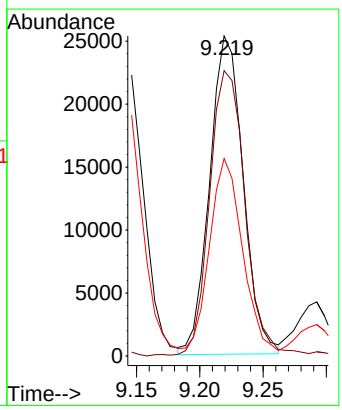


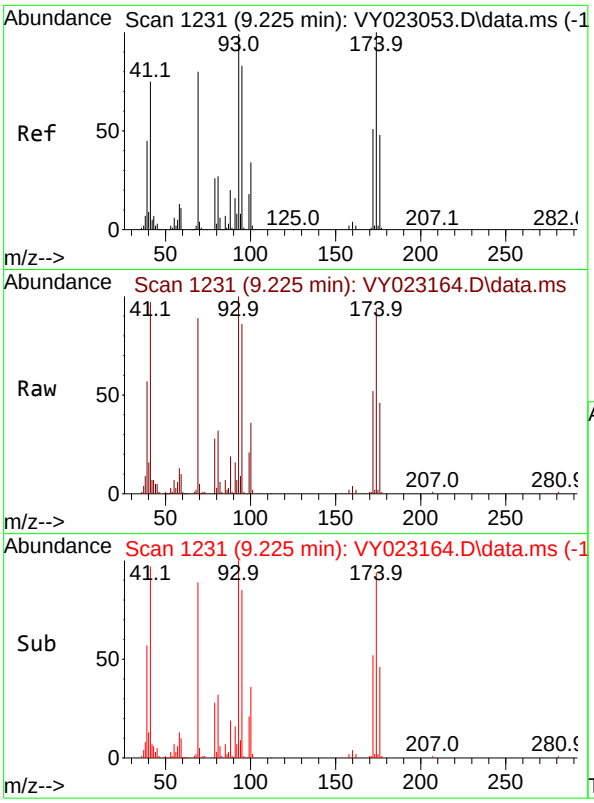


#48
Methyl methacrylate
Concen: 17.692 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 41 Resp: 46693

Ion	Ratio	Lower	Upper
41	100		
69	94.8	73.2	109.8
39	58.1	47.0	70.4



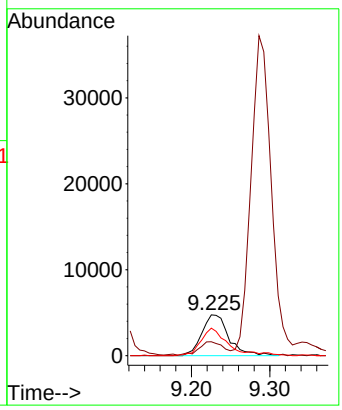


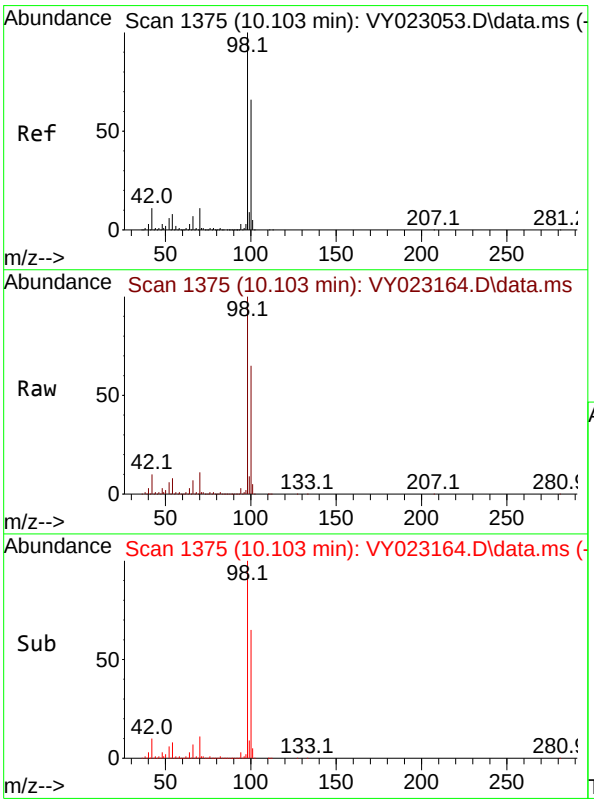
#49
1,4-Dioxane
Concen: 367.192 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 88 Resp: 11384

Ion	Ratio	Lower	Upper
88	100		
43	28.7	24.3	36.5
58	68.0	55.4	83.0

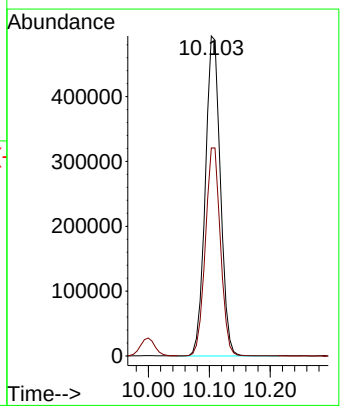


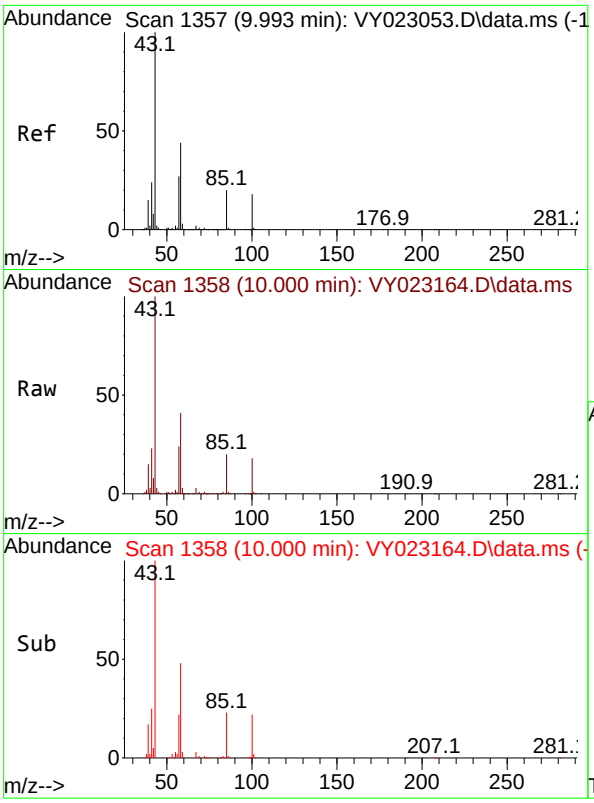


#50
Toluene-d8
Concen: 49.685 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 98 Resp: 848402

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5



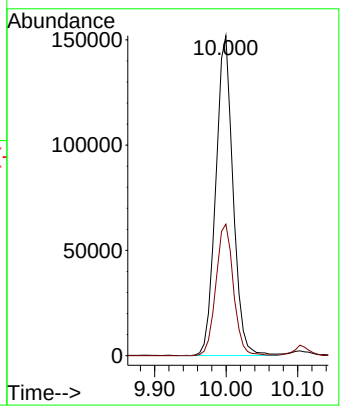


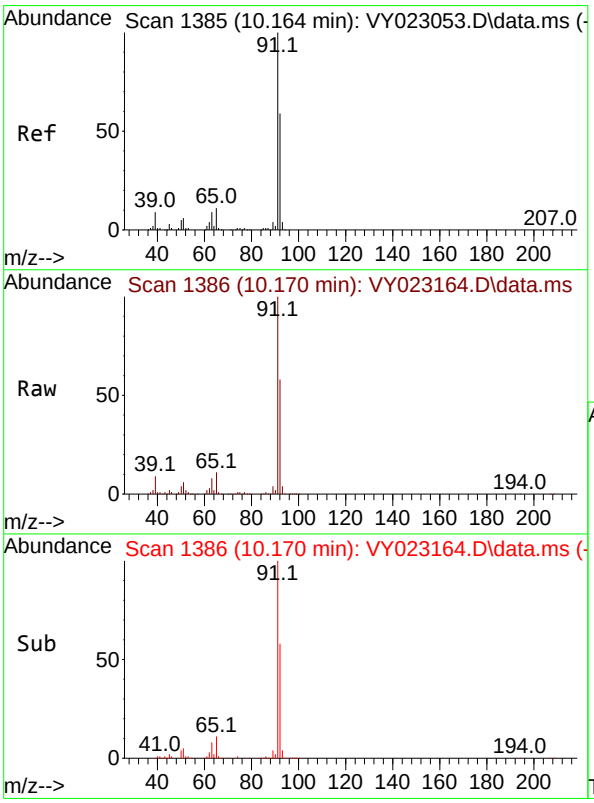
#51
4-Methyl-2-Pentanone
Concen: 89.392 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 43 Resp: 254313

Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.5	50.3

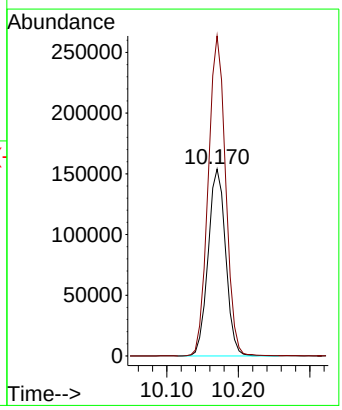


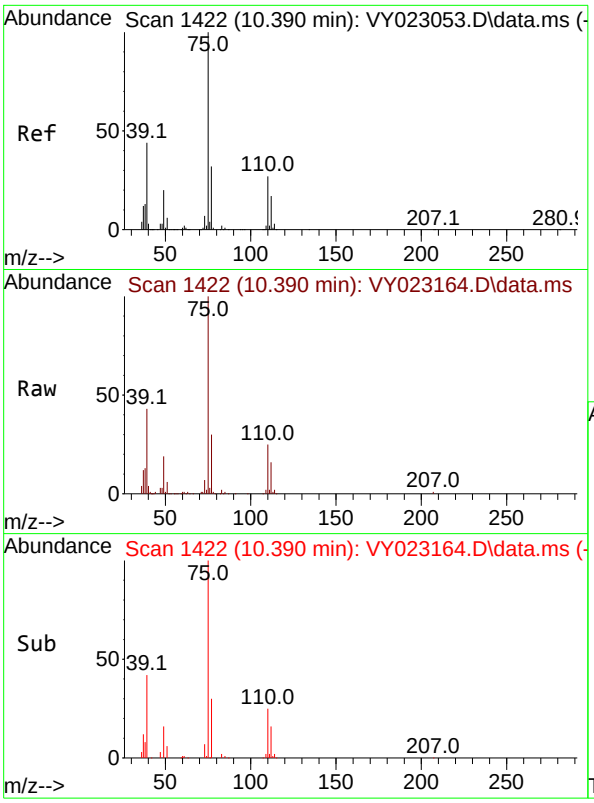


#52
Toluene
Concen: 20.509 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 92 Resp: 260797

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.4	204.6



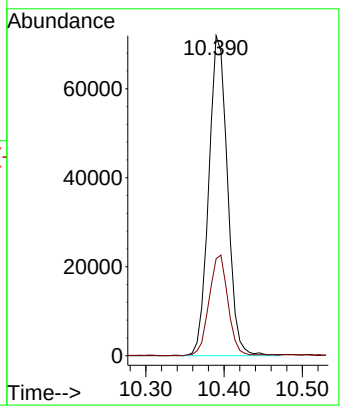


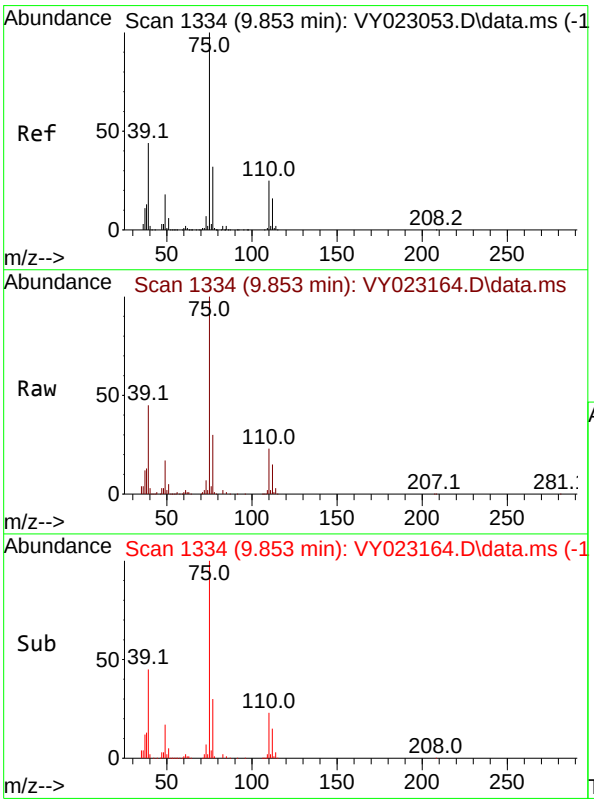
#53
t-1,3-Dichloropropene
Concen: 19.360 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 75 Resp: 119277

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.7	38.5

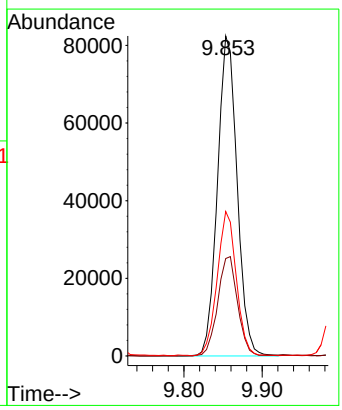


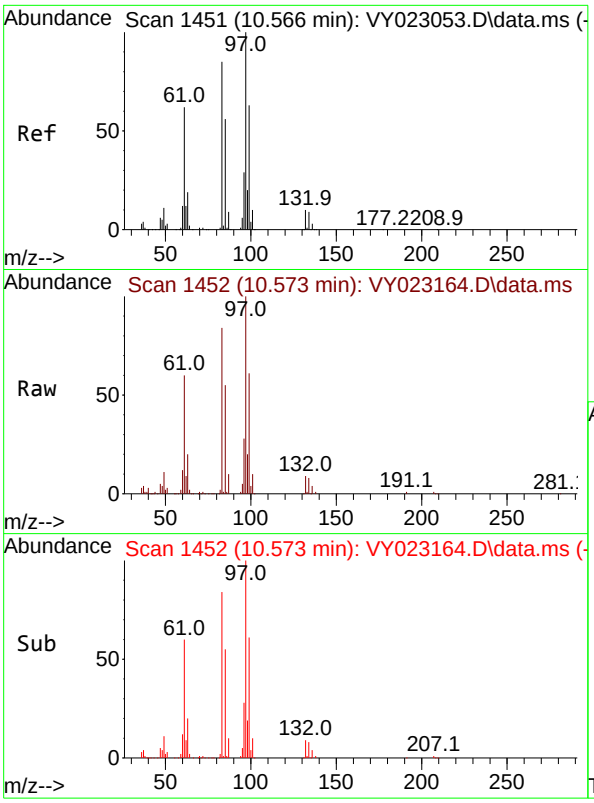


#54
cis-1,3-Dichloropropene
Concen: 19.737 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 143792

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0
39	45.0	35.6	53.4



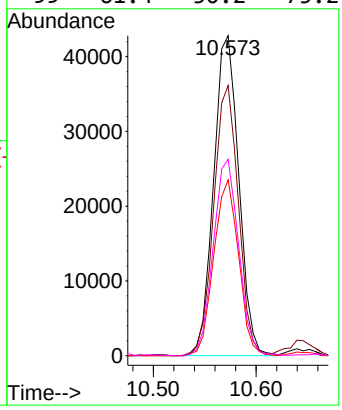


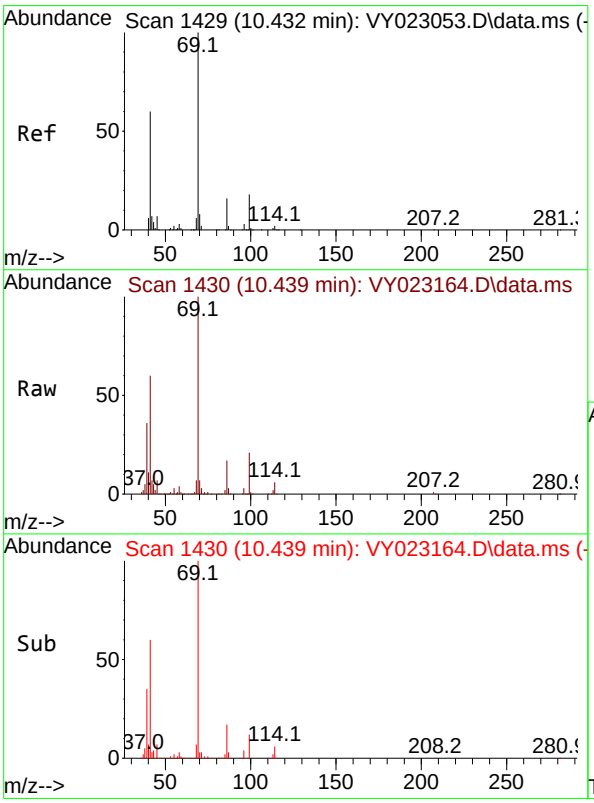
#55
1,1,2-Trichloroethane
Concen: 20.536 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 97 Resp: 72658

Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.7	101.5
85	55.0	44.5	66.7
99	61.4	50.2	75.2

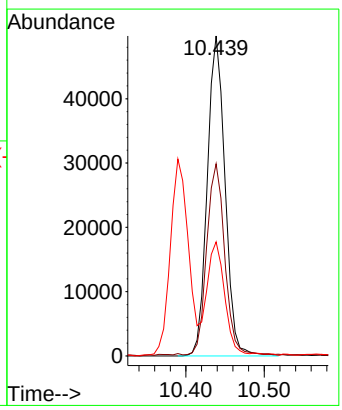


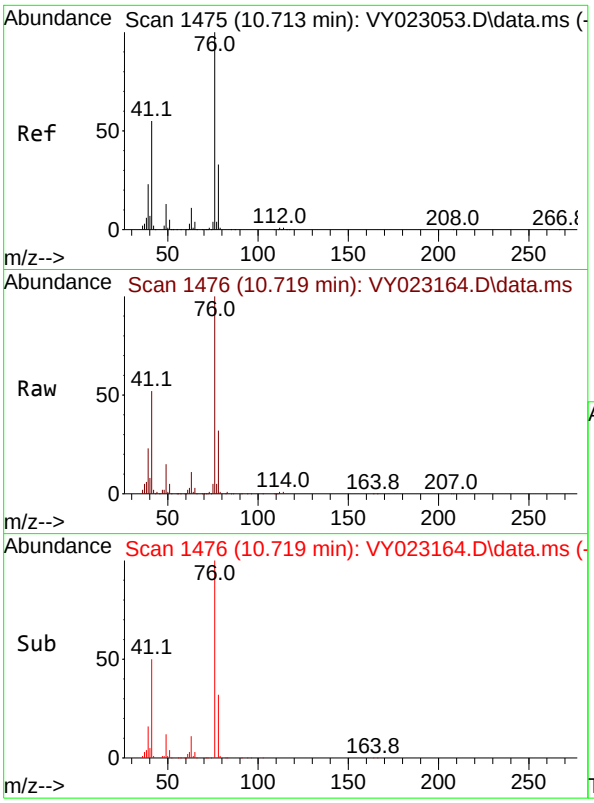


#56
Ethyl methacrylate
Concen: 17.322 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 69 Resp: 78424

Ion	Ratio	Lower	Upper
69	100		
41	60.3	48.6	72.8
39	35.1	27.0	40.4



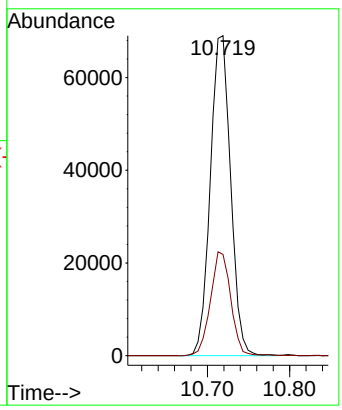


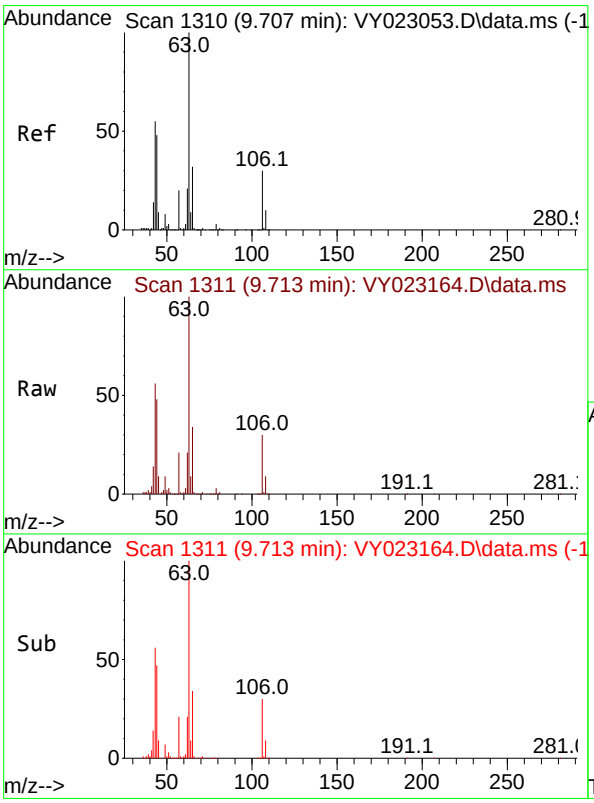
#57
1,3-Dichloropropane
Concen: 19.754 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 76 Resp: 118529

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

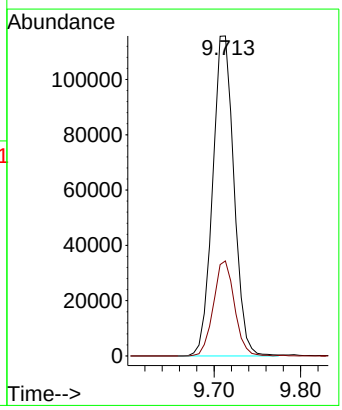


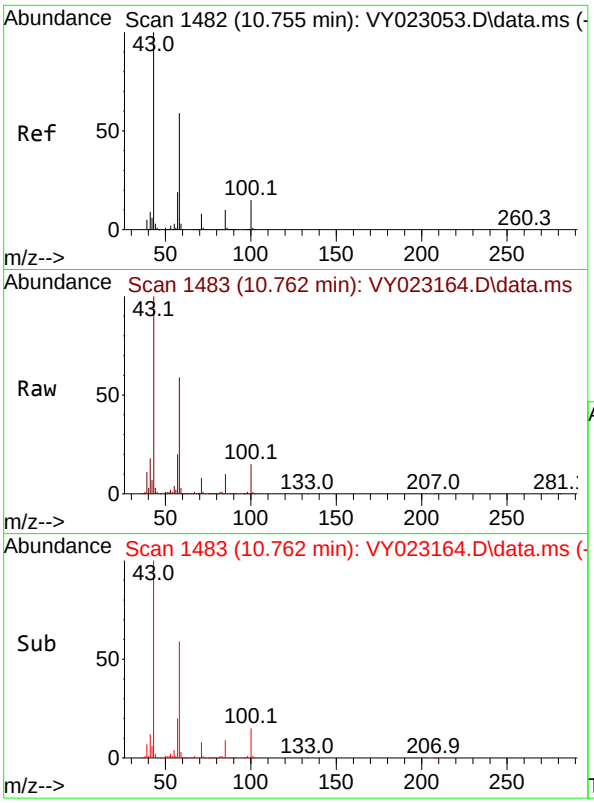


#58
2-Chloroethyl Vinyl ether
Concen: 92.633 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 63 Resp: 197822

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.2	34.8



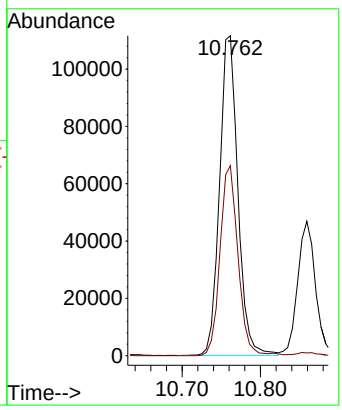


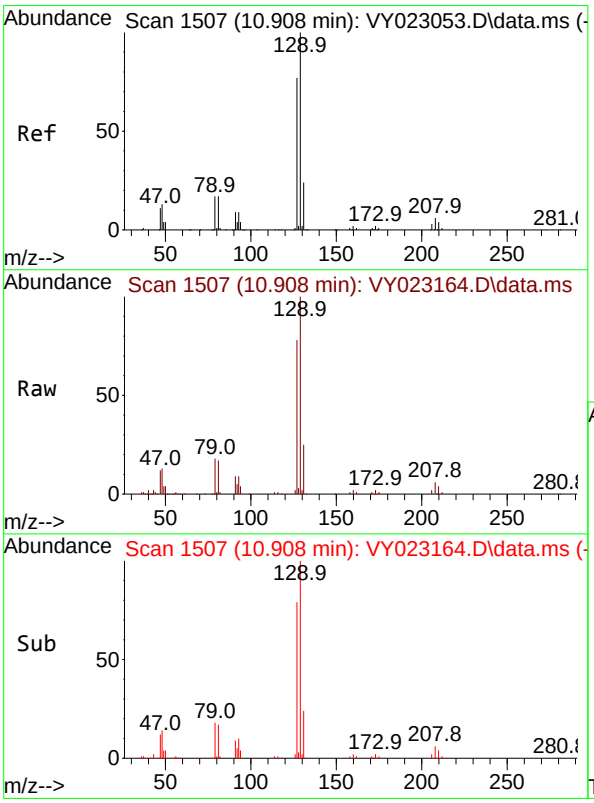
#59
2-Hexanone
Concen: 93.868 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 43 Resp: 181841

Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.5	88.5

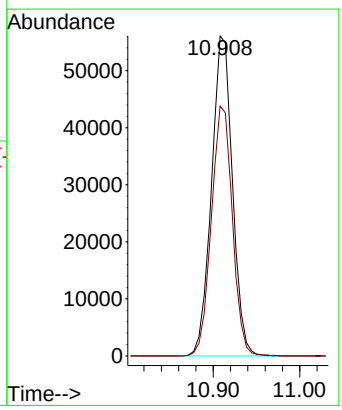


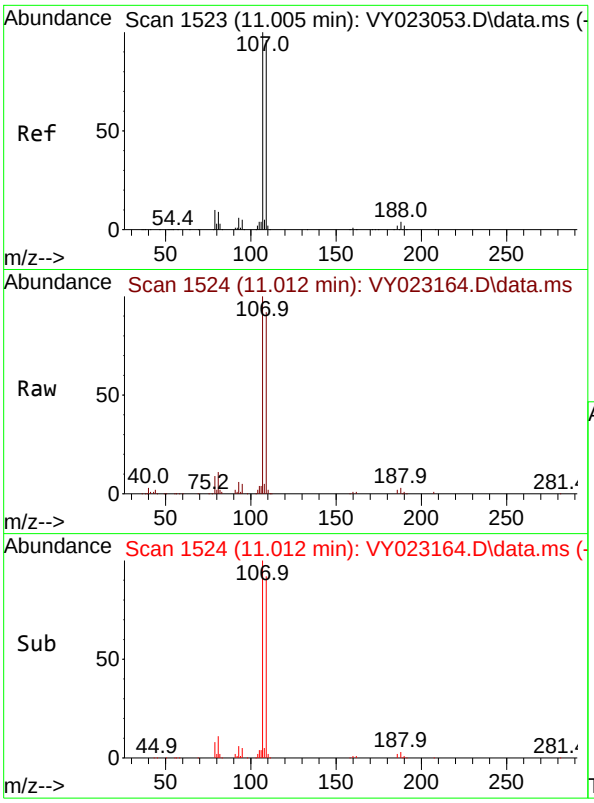


#60
Dibromochloromethane
Concen: 20.157 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:129 Resp: 94101

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5



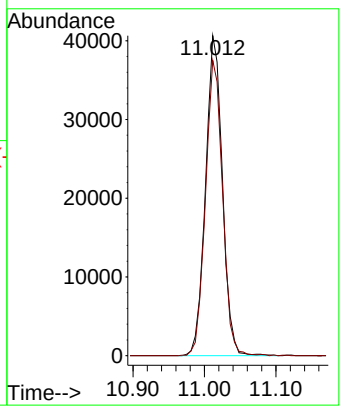


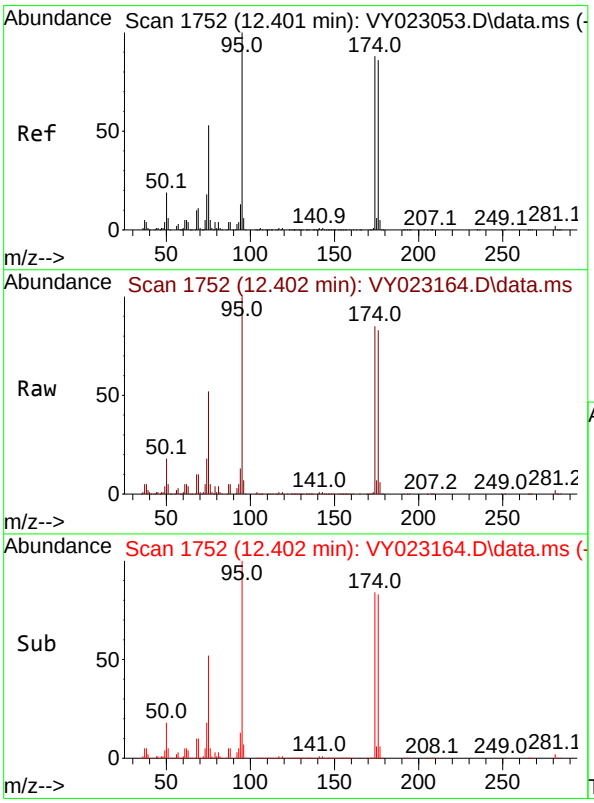
#61
1,2-Dibromoethane
Concen: 20.011 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:107 Resp: 66546

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4

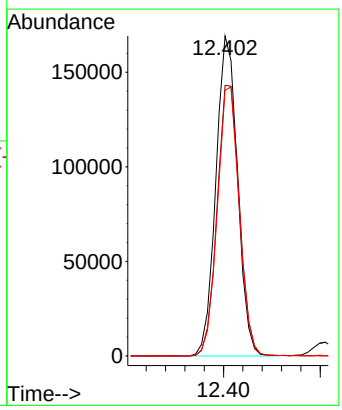


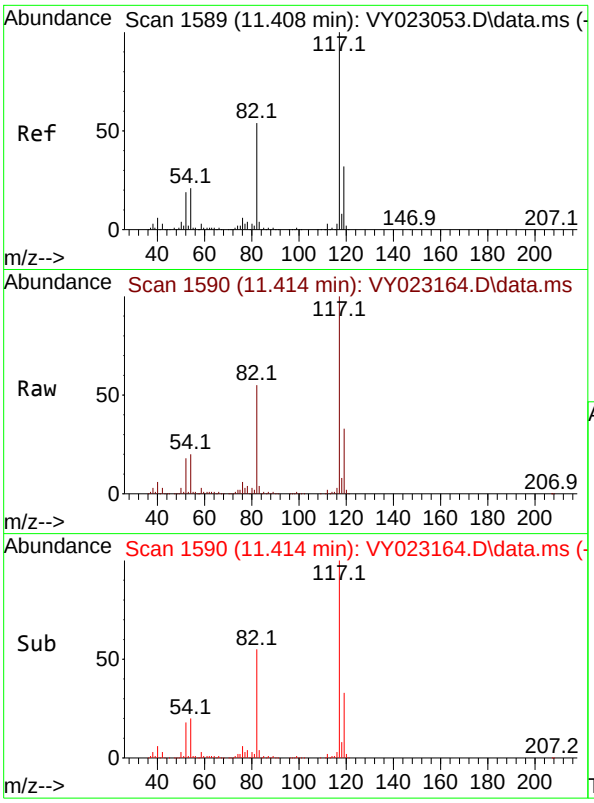


#62
4-Bromofluorobenzene
Concen: 47.601 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 95 Resp: 261400

Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	171.6
176	85.4	0.0	167.6



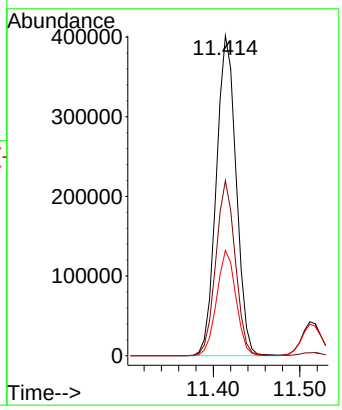


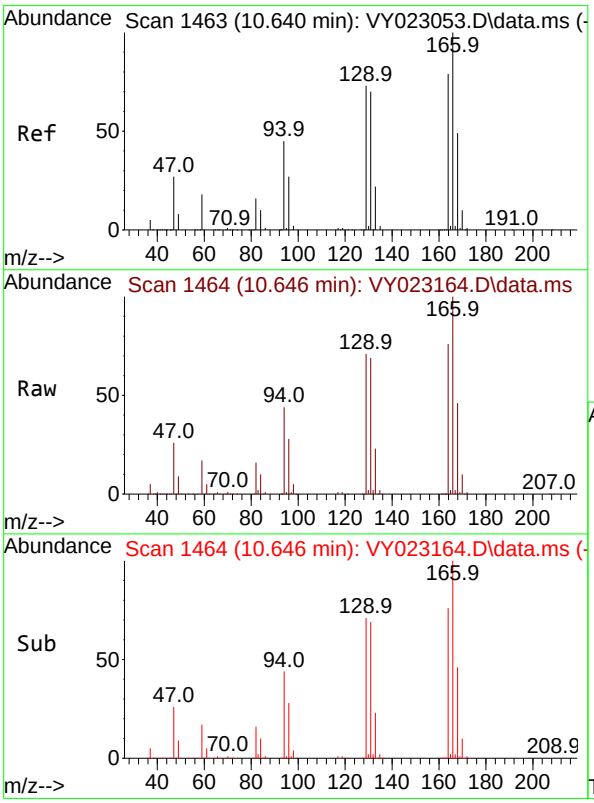
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:117 Resp: 640306

Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.4	65.0
119	32.9	25.6	38.4

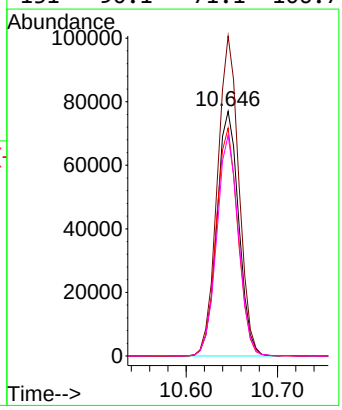


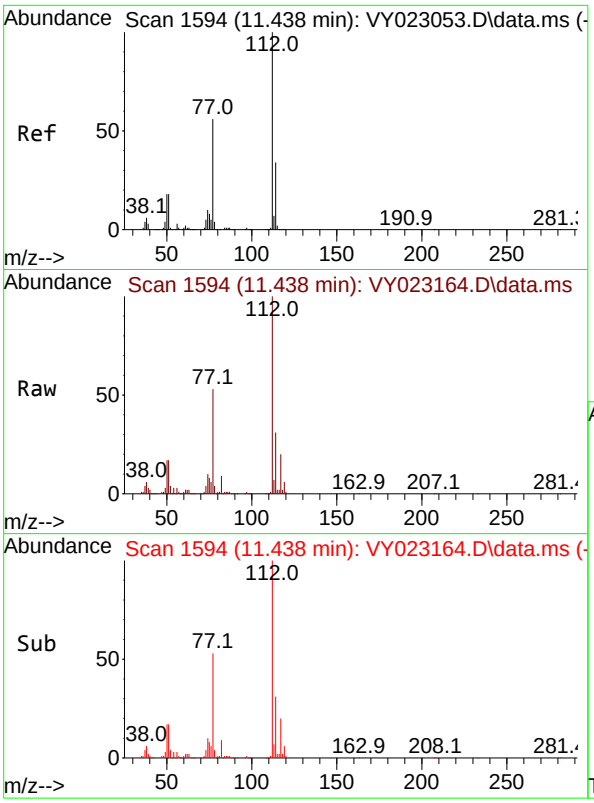


#64
Tetrachloroethene
Concen: 22.474 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:164 Resp: 128497

Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.1	151.7
129	93.2	74.0	111.0
131	90.1	71.1	106.7



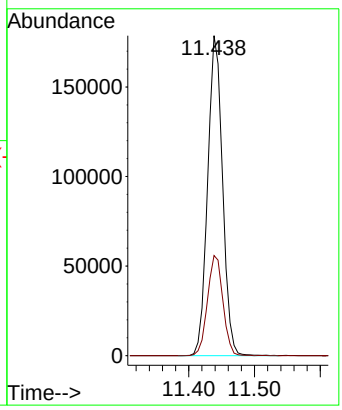


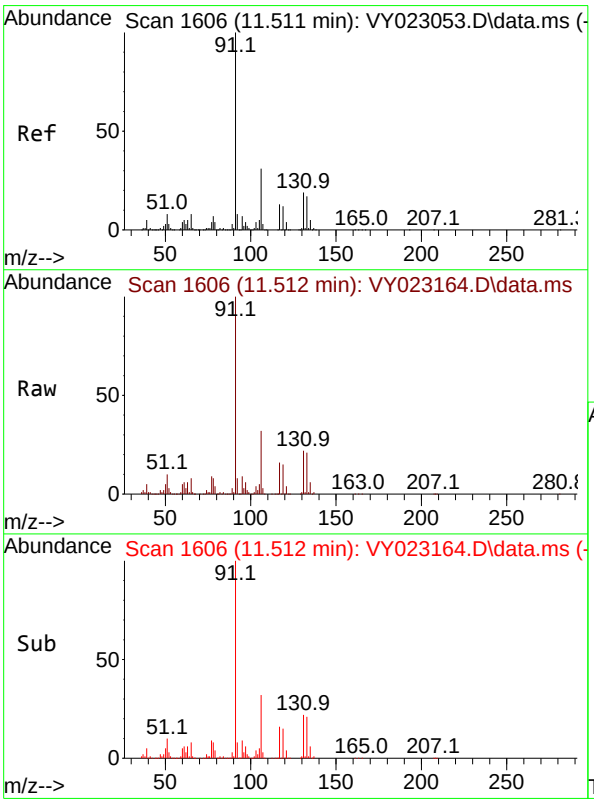
#65
Chlorobenzene
Concen: 20.348 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:112 Resp: 281033

Ion	Ratio	Lower	Upper
112	100		
114	31.3	27.0	40.4

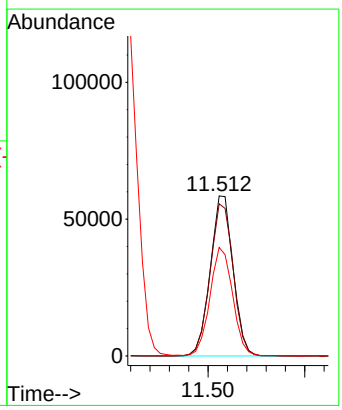


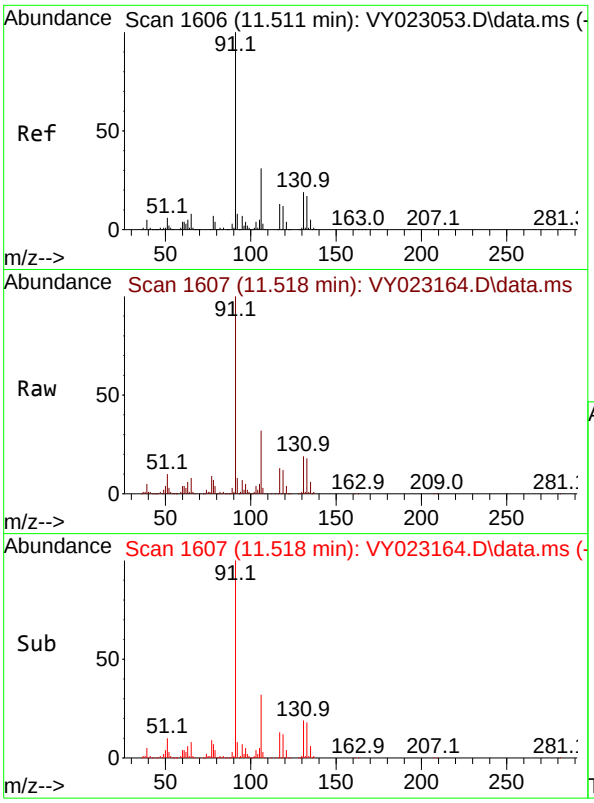


#66
1,1,1,2-Tetrachloroethane
Concen: 20.438 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:131 Resp: 95804

Ion	Ratio	Lower	Upper
131	100		
133	96.7	46.9	140.6
119	67.8	33.2	99.6



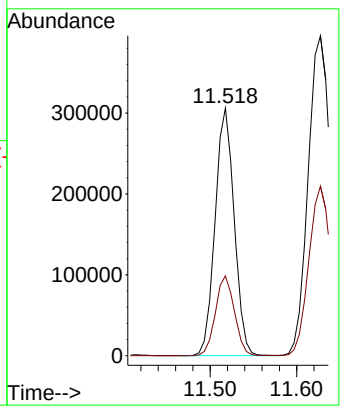


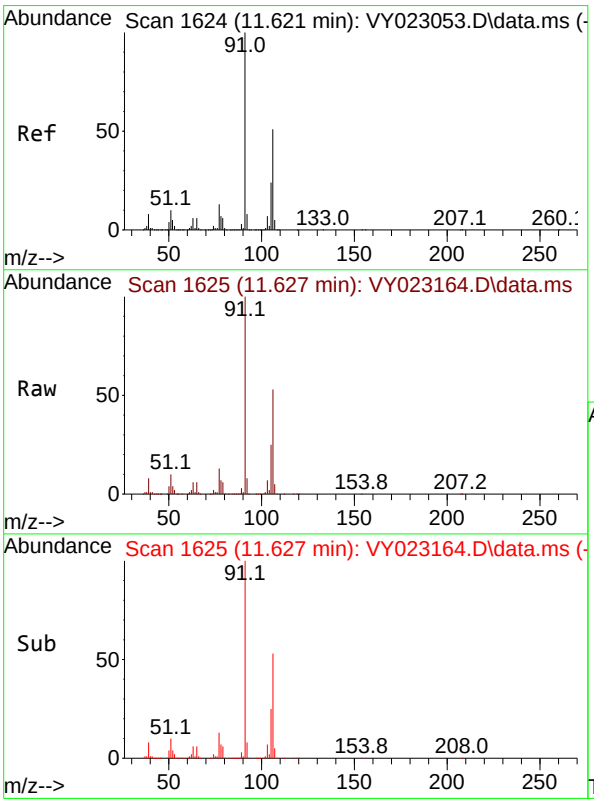
#67
Ethyl Benzene
Concen: 19.720 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 91 Resp: 468705

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.0	37.4

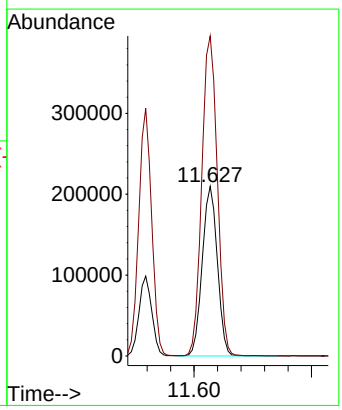


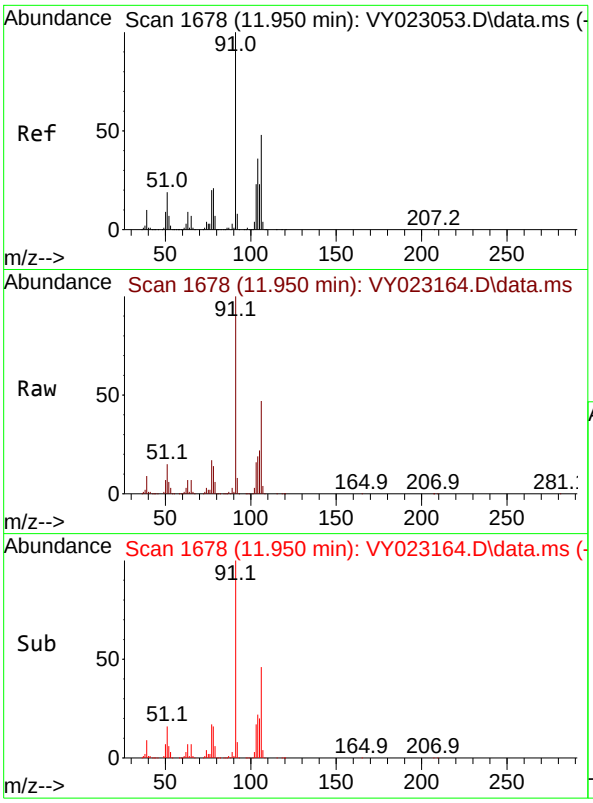


#68
m/p-Xylenes
Concen: 40.317 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:106 Resp: 374257

Ion	Ratio	Lower	Upper
106	100		
91	193.4	158.6	238.0



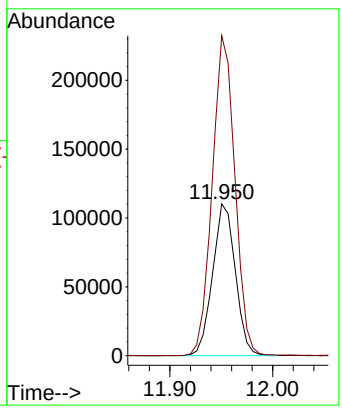


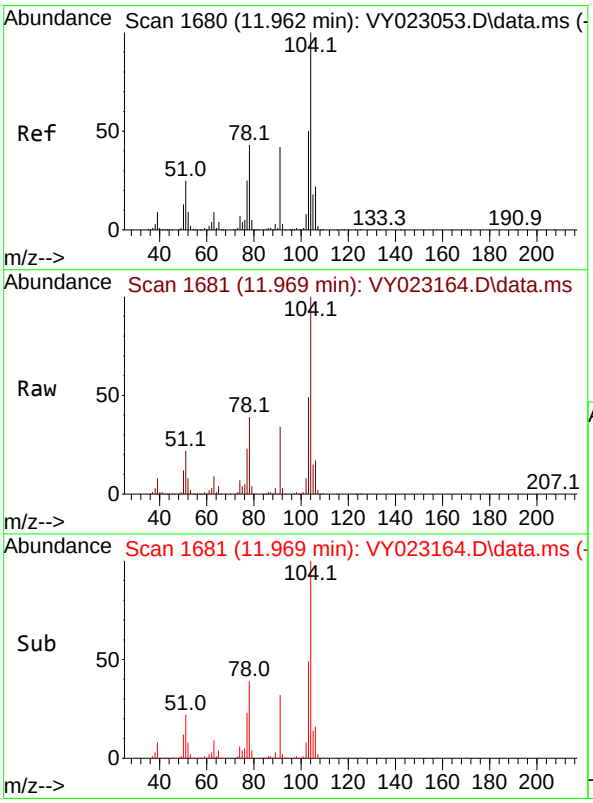
#69
o-Xylene
Concen: 19.476 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:106 Resp: 169335

Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.2	309.4

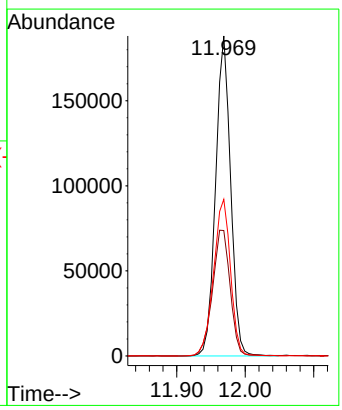


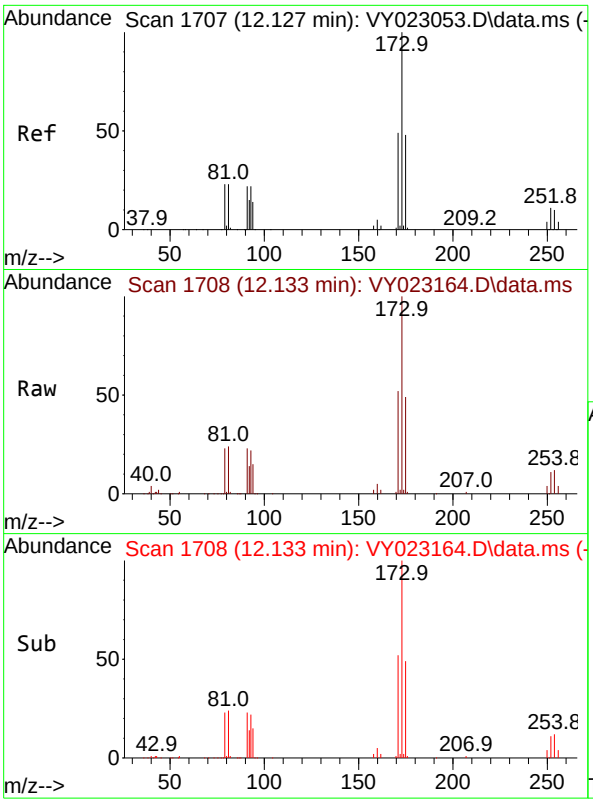


#70
Styrene
Concen: 20.117 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:104 Resp: 286037

Ion	Ratio	Lower	Upper
104	100		
78	46.3	38.5	57.7
103	55.3	43.7	65.5



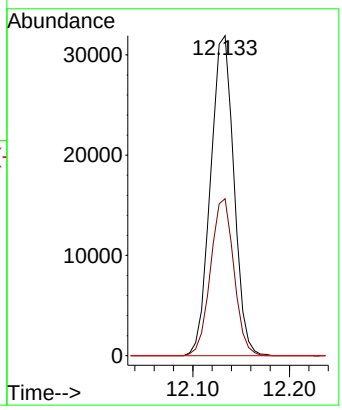


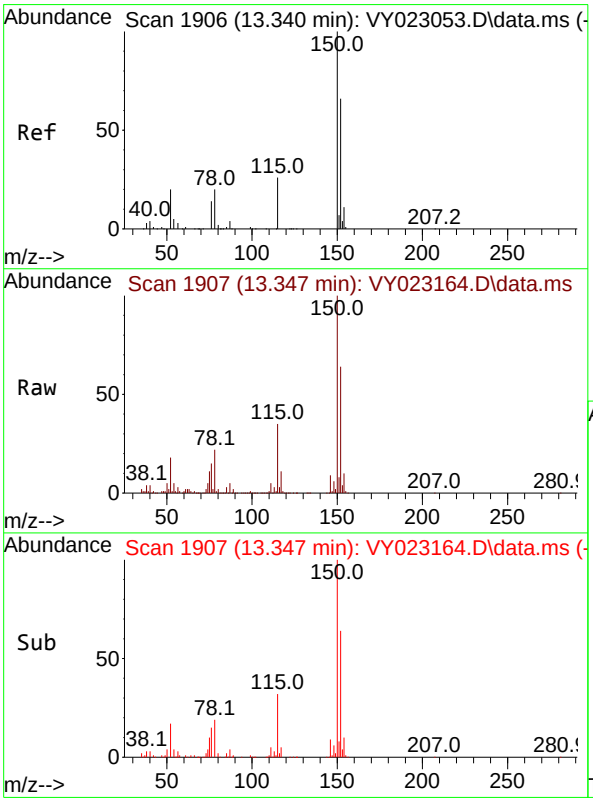
#71
Bromoform
Concen: 19.537 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:173 Resp: 53523

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.7
254	0.0	0.1	0.1#

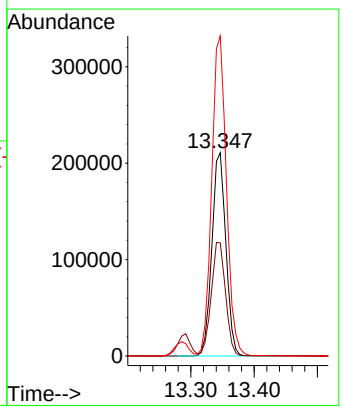


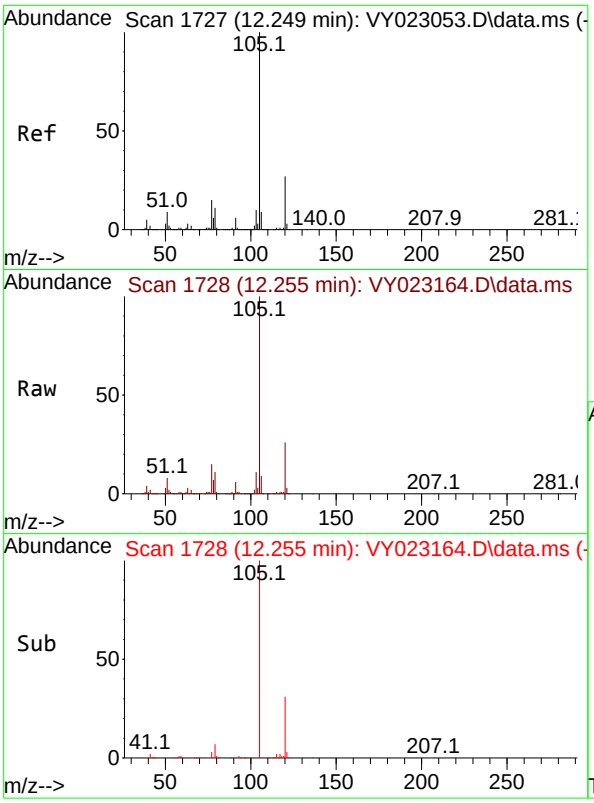


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:152 Resp: 323804

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.2	84.6
150	165.0	0.0	348.0



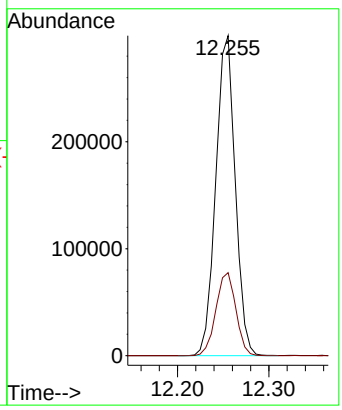


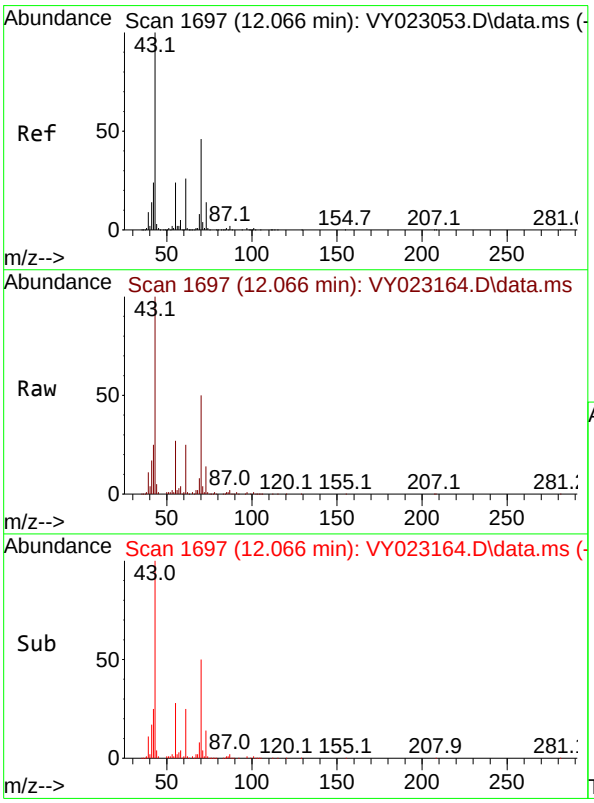
#73
Isopropylbenzene
Concen: 19.372 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:105 Resp: 442733

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

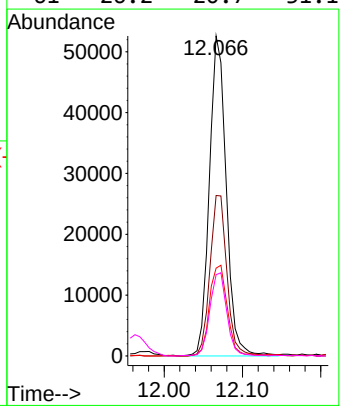


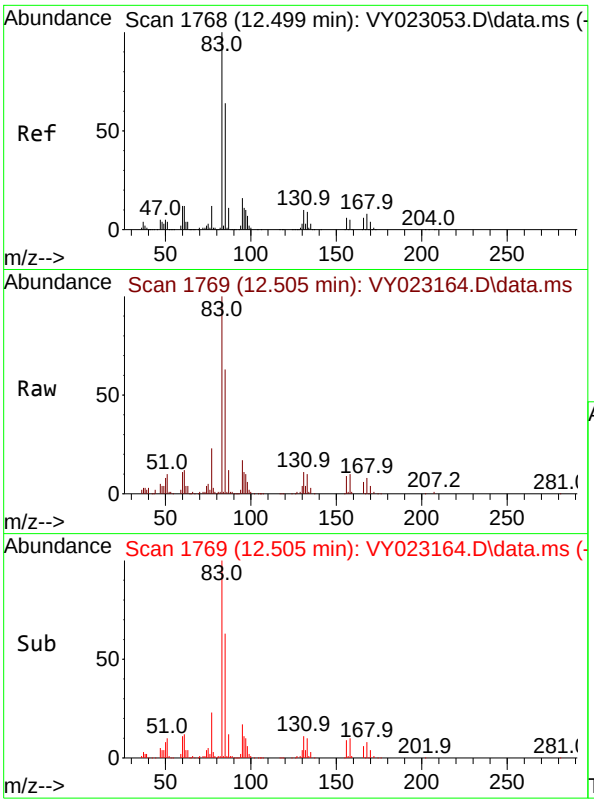


#74
N-amyl acetate
Concen: 16.246 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 78737

Ion	Ratio	Lower	Upper
43	100		
70	50.3	37.5	56.3
55	29.9	20.7	31.1
61	26.2	20.7	31.1



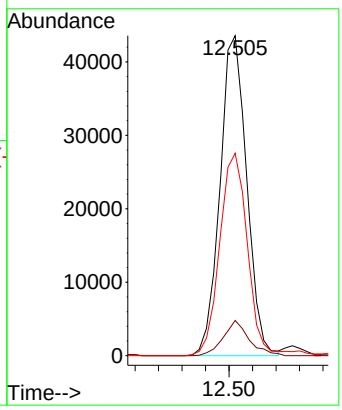


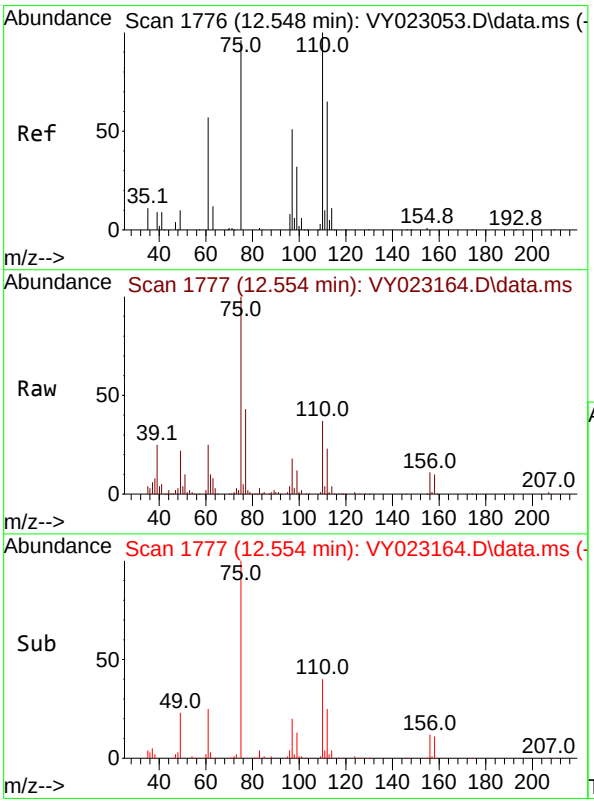
#75
1,1,2,2-Tetrachloroethane
Concen: 17.648 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 83 Resp: 68865

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	66.2	31.8	95.3

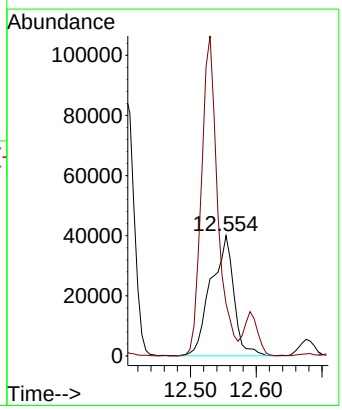


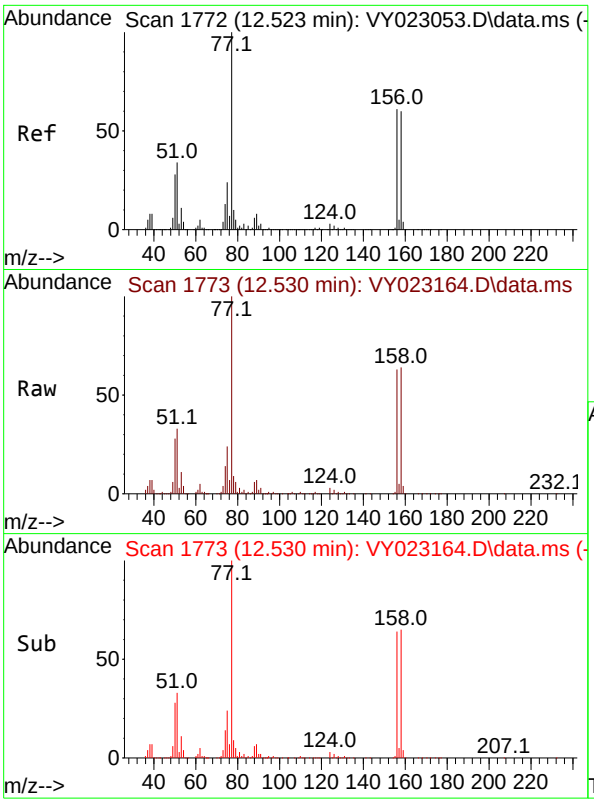


#76
1,2,3-Trichloropropane
Concen: 31.101 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 97193

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



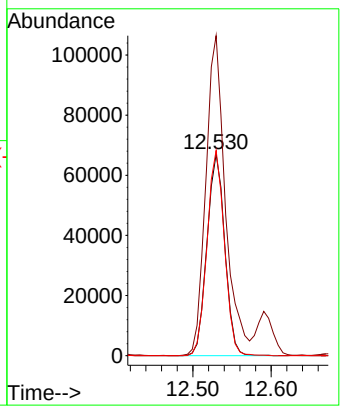


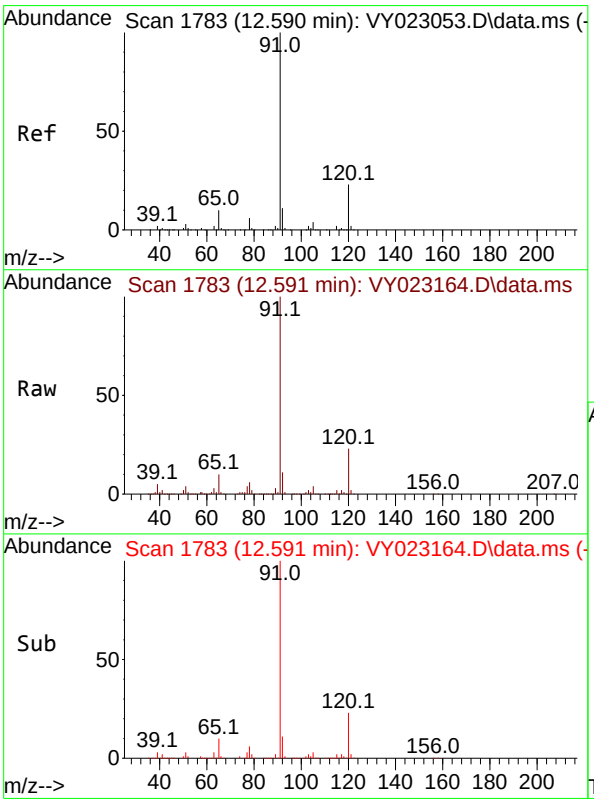
#77
Bromobenzene
Concen: 19.387 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:156 Resp: 105703

Ion	Ratio	Lower	Upper
156	100		
77	174.8	88.1	264.4
158	99.8	48.0	144.0

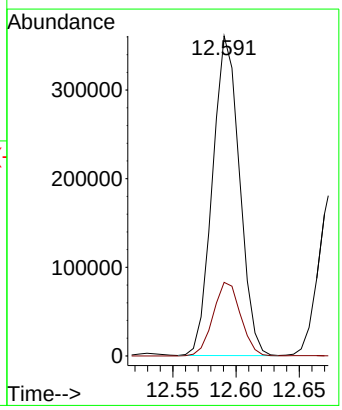


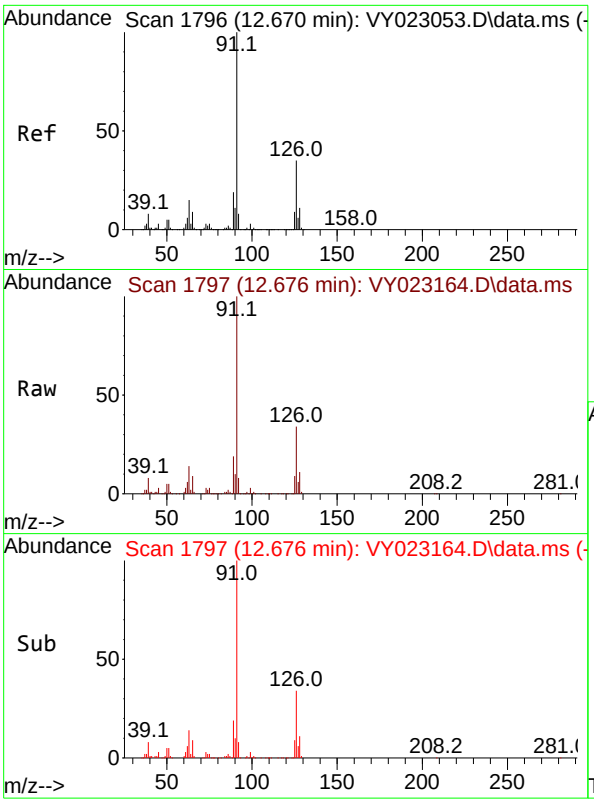


#78
n-propylbenzene
Concen: 19.675 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 535326

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5



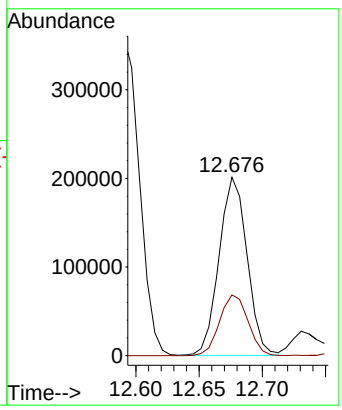


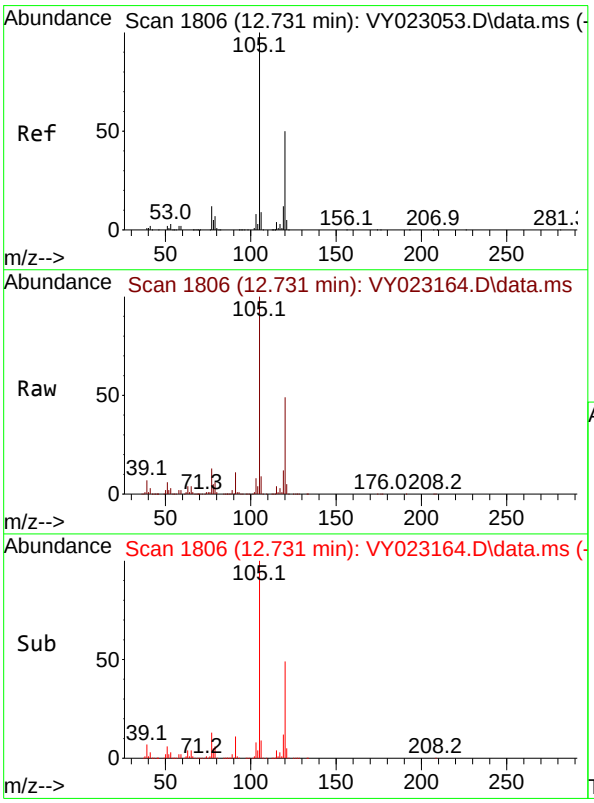
#79
2-Chlorotoluene
Concen: 19.846 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 91 Resp: 309392

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3

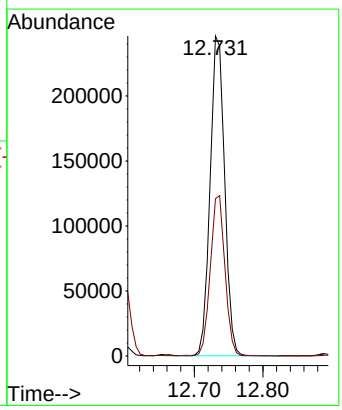


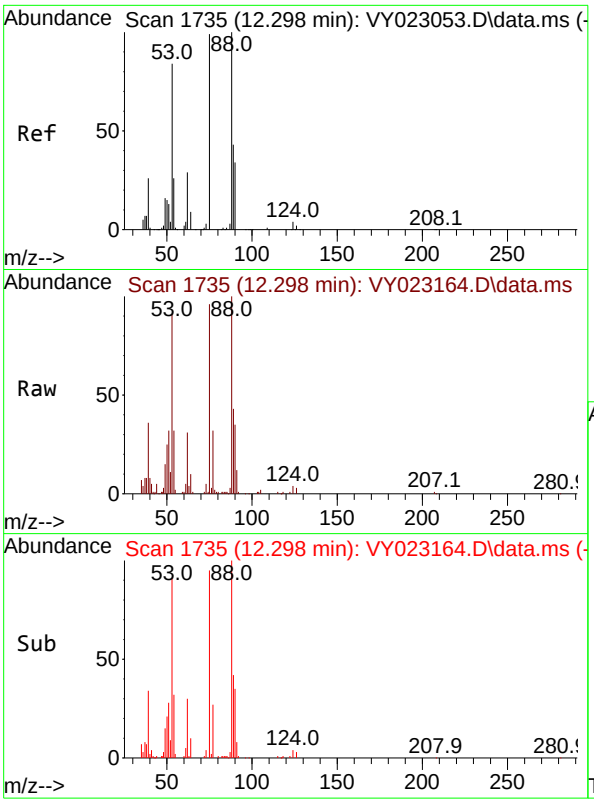


#80
1,3,5-Trimethylbenzene
Concen: 19.690 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 363677

Ion	Ratio	Lower	Upper
105	100		
120	50.5	24.8	74.4



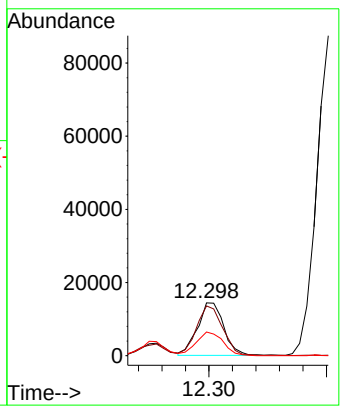


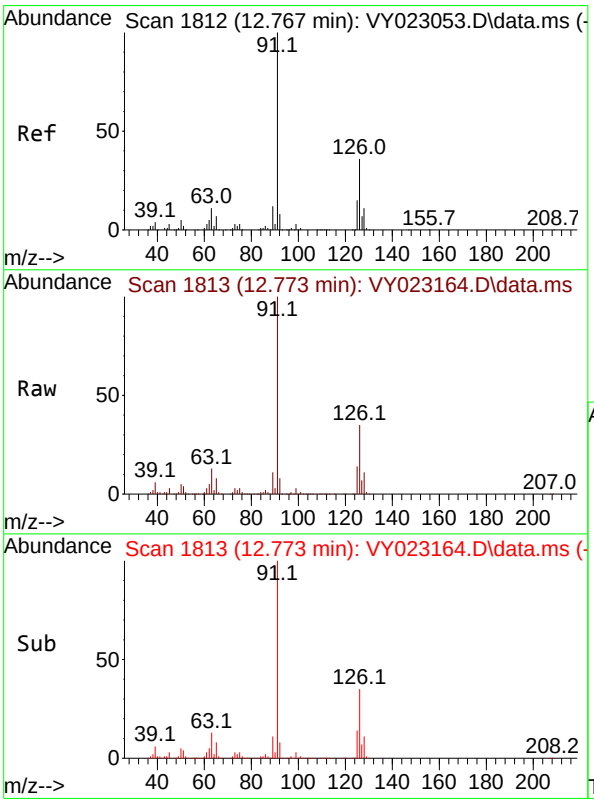
#81
trans-1,4-Dichloro-2-butene
Concen: 17.179 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 75 Resp: 22178

Ion	Ratio	Lower	Upper
75	100		
53	95.4	70.8	106.2
89	46.4	38.1	57.1

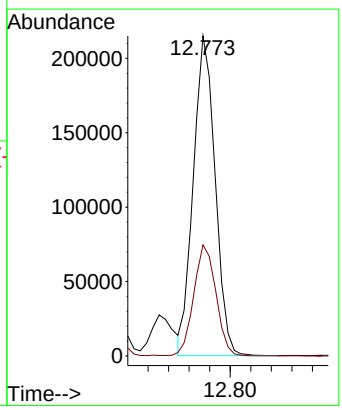


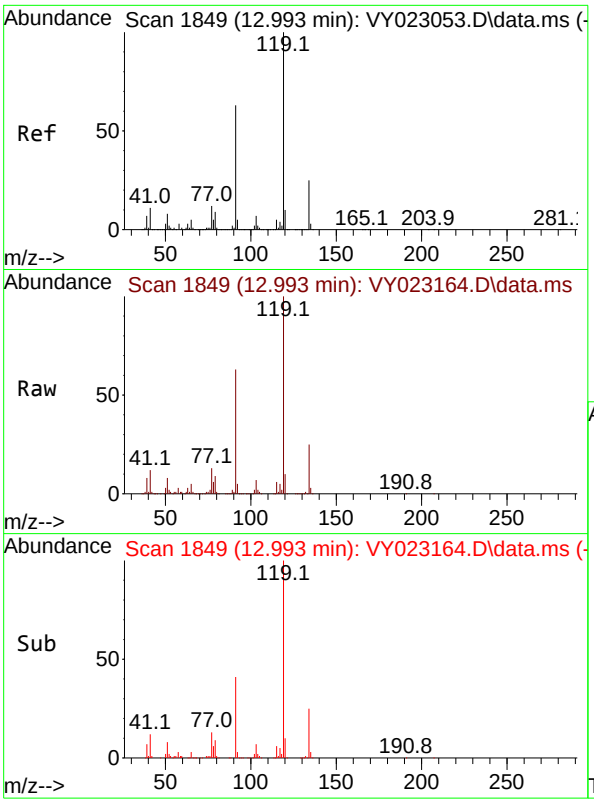


#82
4-Chlorotoluene
Concen: 19.613 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 317186

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0



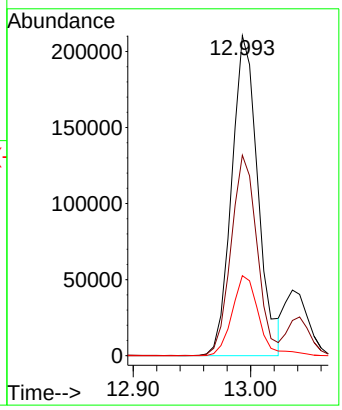


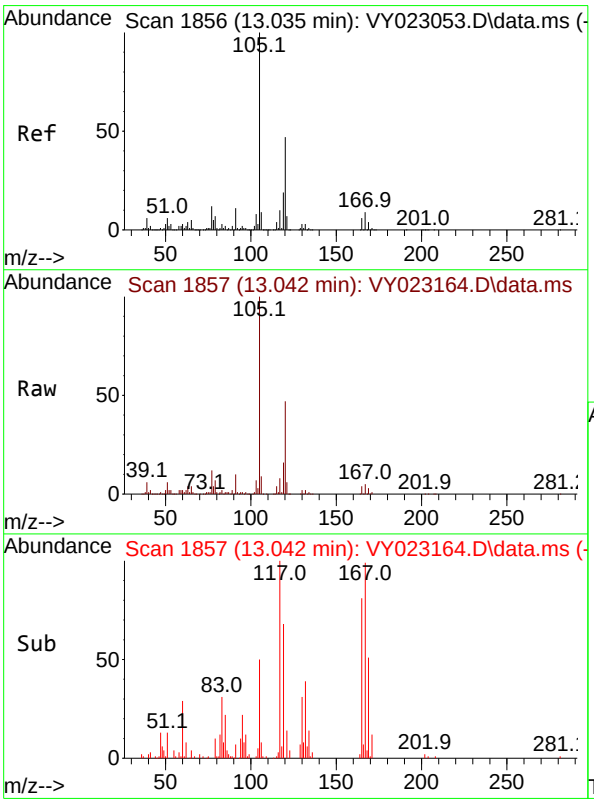
#83
tert-Butylbenzene
Concen: 19.539 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:119 Resp: 325943

Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	94.8
134	25.4	12.9	38.7

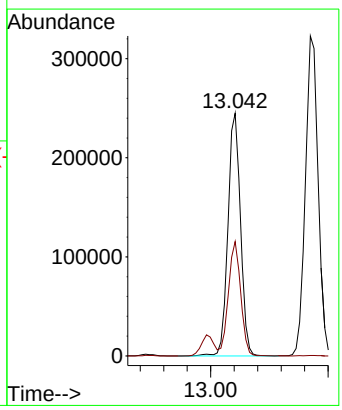


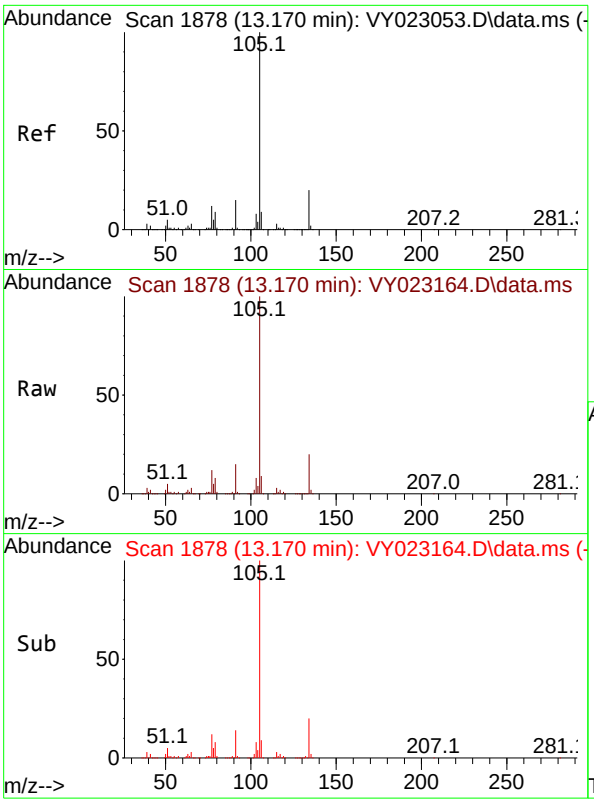


#84
1,2,4-Trimethylbenzene
Concen: 19.822 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 364461

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0



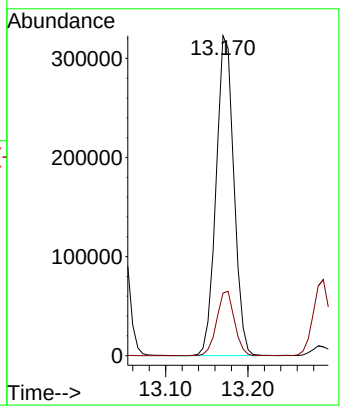


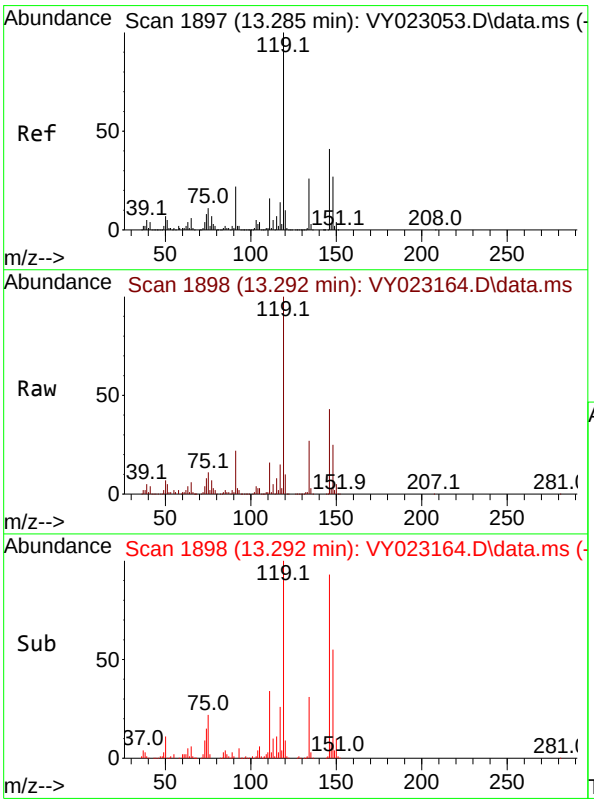
#85
sec-Butylbenzene
Concen: 19.767 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:105 Resp: 484397

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4

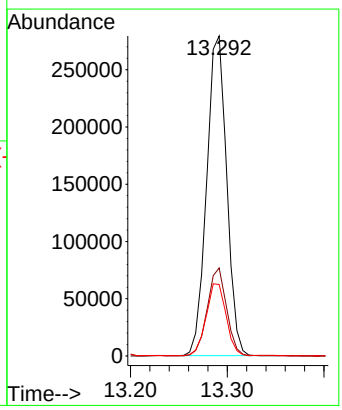


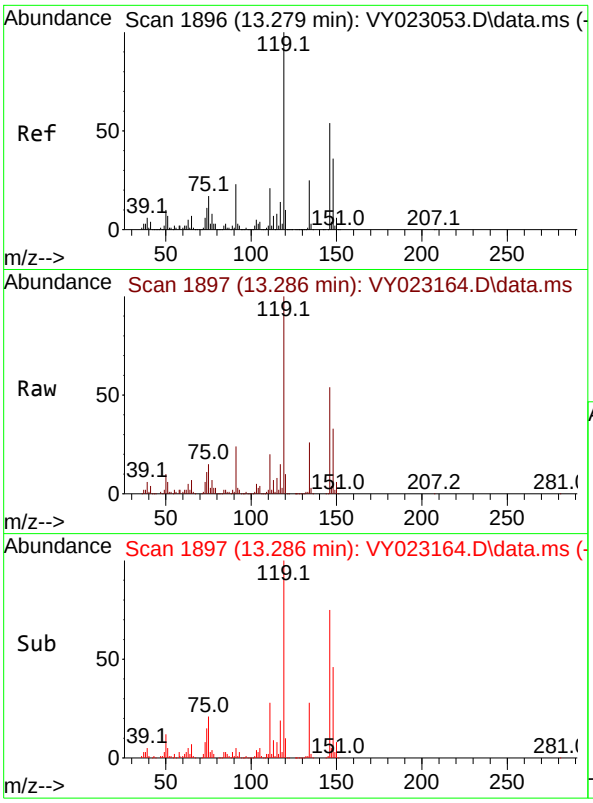


#86
p-Isopropyltoluene
Concen: 19.801 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:119 Resp: 402765

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.6
91	22.5	11.3	33.8



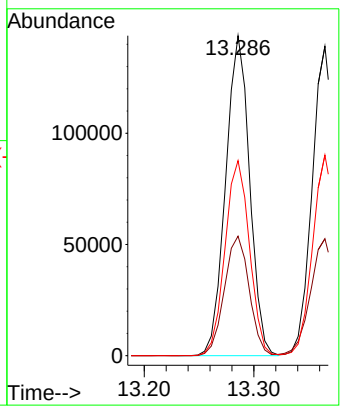


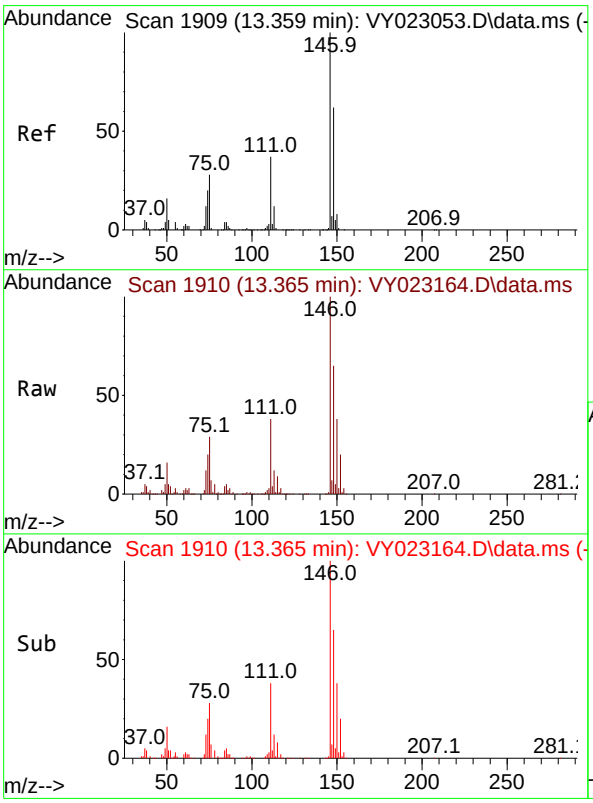
#87
1,3-Dichlorobenzene
Concen: 20.357 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:146 Resp: 218878

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	62.2	32.5	97.5

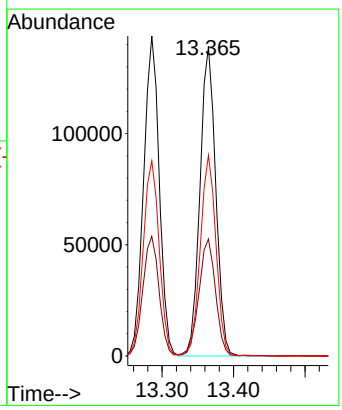


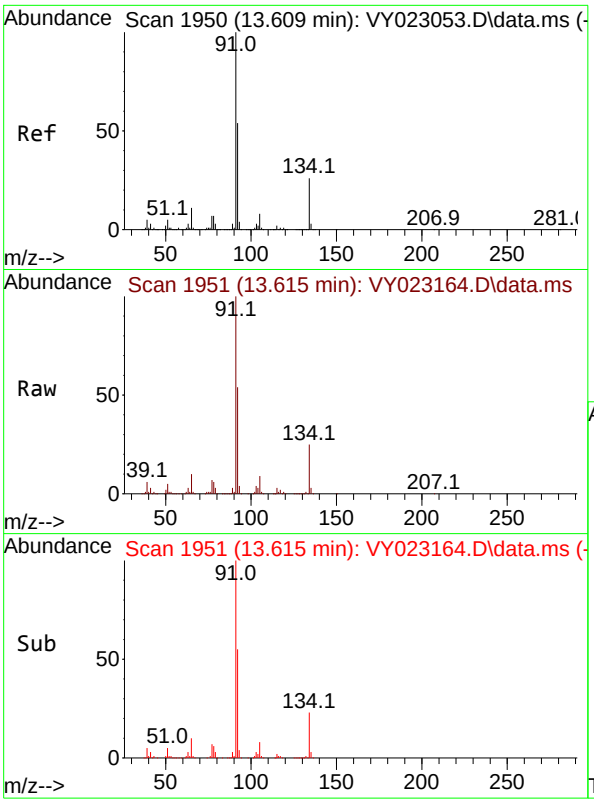


#88
1,4-Dichlorobenzene
Concen: 19.976 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:146 Resp: 213060

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.1
148	64.5	31.6	94.7



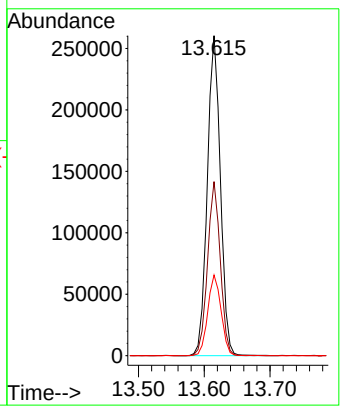


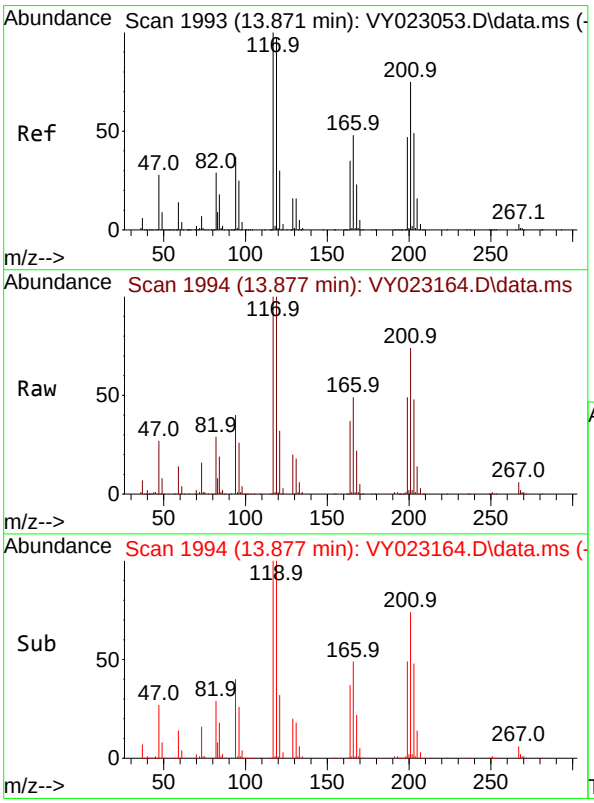
#89
n-Butylbenzene
Concen: 19.275 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion: 91 Resp: 360095

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	25.7	13.2	39.5

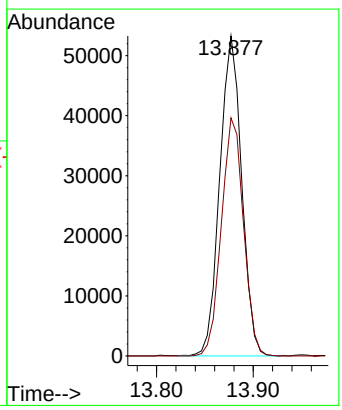


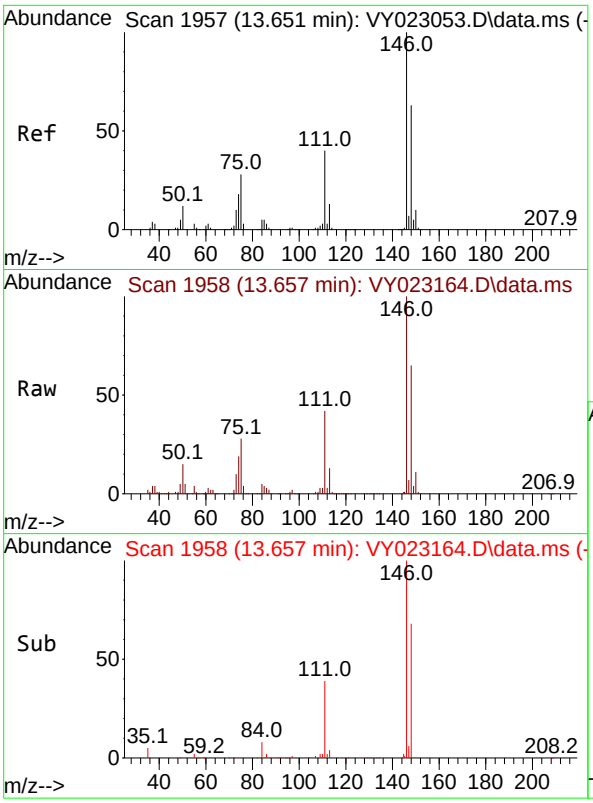


#90
Hexachloroethane
Concen: 20.102 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:117 Resp: 83702

Ion	Ratio	Lower	Upper
117	100		
201	75.1	38.4	115.1



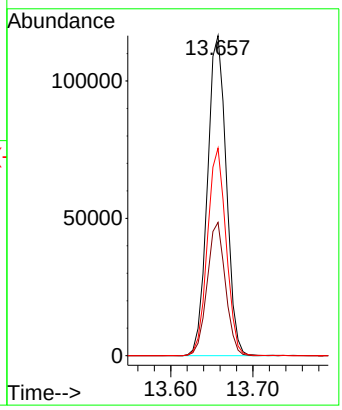


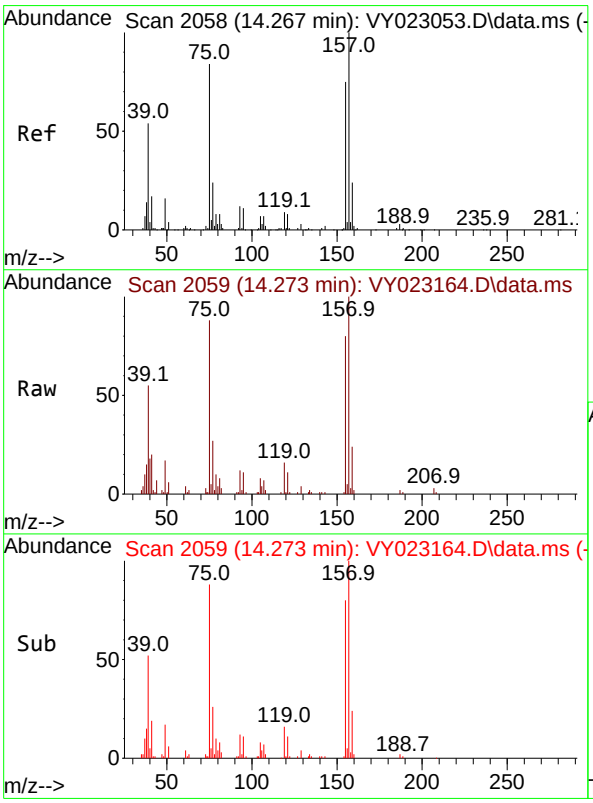
#91
1,2-Dichlorobenzene
Concen: 19.661 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:146 Resp: 185391

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	64.3	32.2	96.6

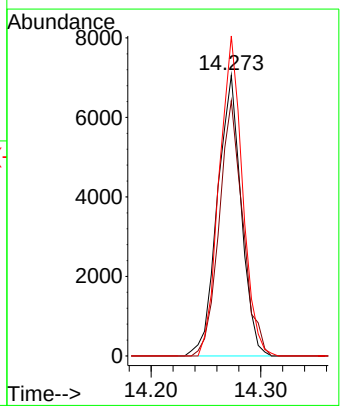


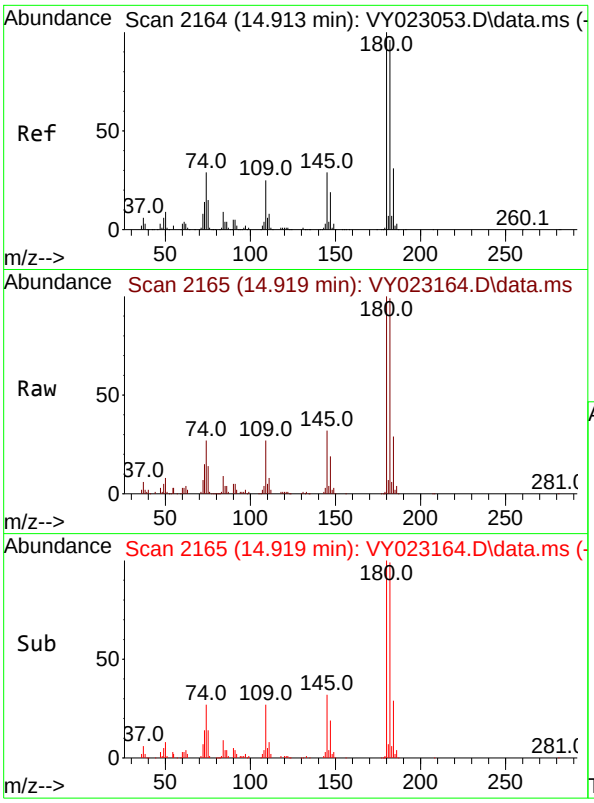


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.468 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 10613

Ion	Ratio	Lower	Upper
75	100		
155	90.5	43.9	131.6
157	111.3	57.2	171.6



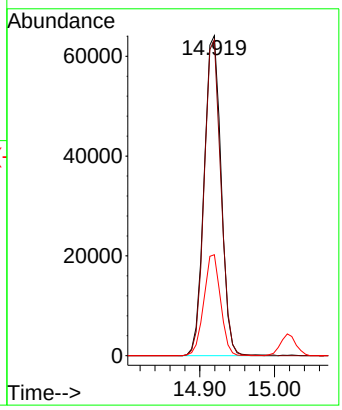


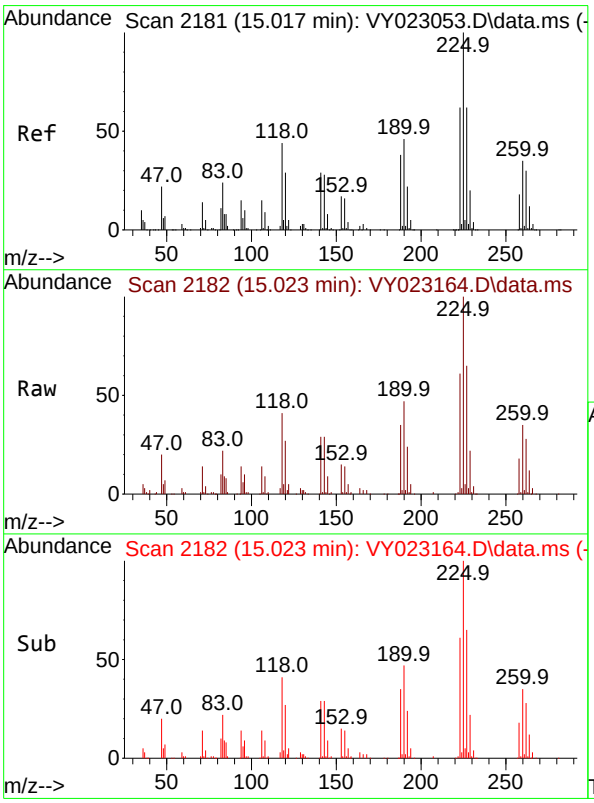
#93
1,2,4-Trichlorobenzene
Concen: 18.167 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:180 Resp: 101300

Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.8	140.4
145	31.1	14.4	43.4

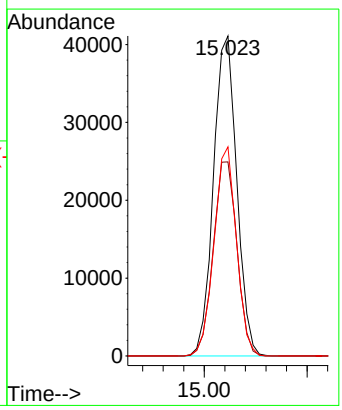


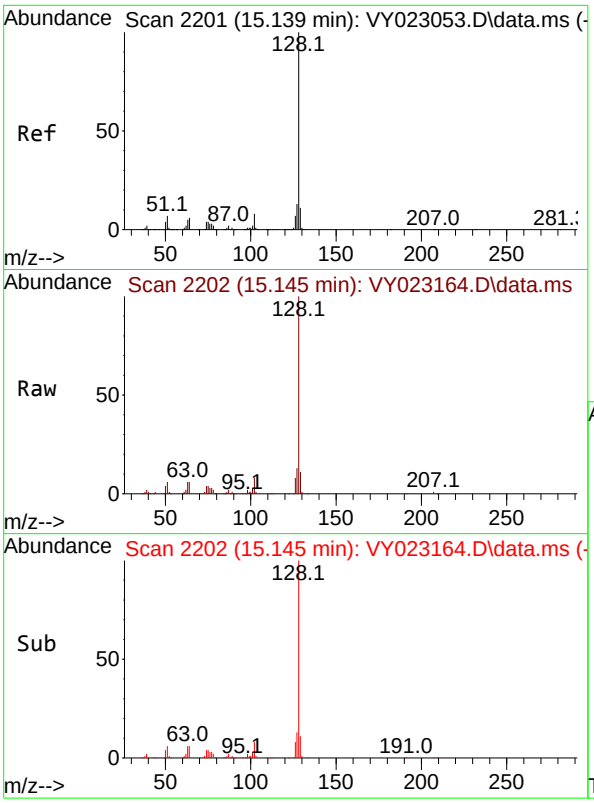


#94
Hexachlorobutadiene
Concen: 19.692 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:225 Resp: 64526

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.8
227	62.9	31.5	94.5



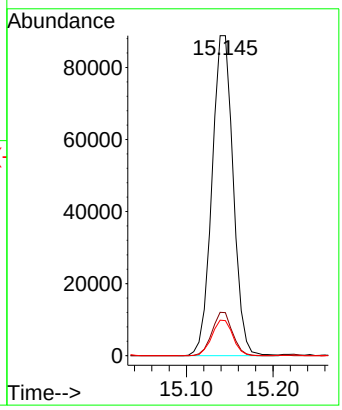


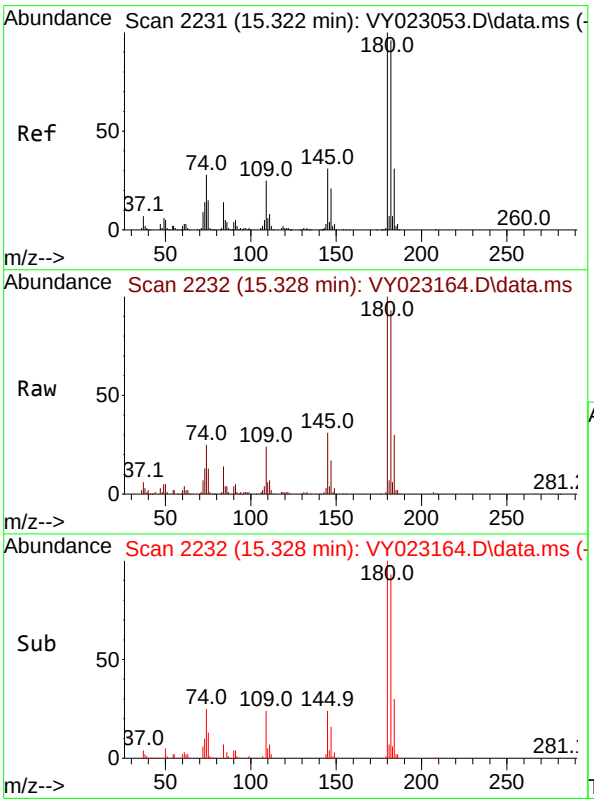
#95
Naphthalene
Concen: 15.895 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Tgt Ion:128 Resp: 151141

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	9.0	13.4

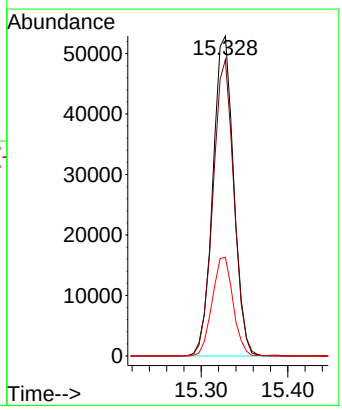




#96
1,2,3-Trichlorobenzene
Concen: 18.337 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:180 Resp: 88110

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.7
145	31.0	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	431711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	681100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	612955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	314994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201806	49.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.100%			
35) Dibromofluoromethane	7.634	113	205442	50.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.103	98	803956	50.496	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.000%			
62) 4-Bromofluorobenzene	12.401	95	254520	49.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	140877	39.978	ug/l	97
3) Chloromethane	2.068	50	261276	45.777	ug/l	100
4) Vinyl Chloride	2.202	62	338048	47.914	ug/l	98
5) Bromomethane	2.592	94	264319	50.164	ug/l	99
6) Chloroethane	2.732	64	236880	50.501	ug/l	98
7) Trichlorofluoromethane	3.049	101	393907	45.916	ug/l	99
8) Diethyl Ether	3.452	74	103960	45.804	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	197614	46.691	ug/l	99
10) Methyl Iodide	4.001	142	225990	49.483	ug/l	99
11) Tert butyl alcohol	4.854	59	62649	222.221	ug/l	100
12) 1,1-Dichloroethene	3.787	96	193943	46.619	ug/l	94
13) Acrolein	3.647	56	44701	108.267	ug/l	99
14) Allyl chloride	4.378	41	270128	44.128	ug/l	98
15) Acrylonitrile	5.055	53	223687	242.415	ug/l	100
16) Acetone	3.866	43	177721	199.376	ug/l	99
17) Carbon Disulfide	4.104	76	607851	44.811	ug/l	99
18) Methyl Acetate	4.385	43	130298	49.121	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	510091	47.317	ug/l	99
20) Methylene Chloride	4.616	84	223113	48.063	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	223660	47.840	ug/l	96
22) Diisopropyl ether	6.018	45	627852	47.200	ug/l	97
23) Vinyl Acetate	5.957	43	1719391	233.764	ug/l	99
24) 1,1-Dichloroethane	5.909	63	388982	47.830	ug/l	99
25) 2-Butanone	6.890	43	272663	224.910	ug/l	97
26) 2,2-Dichloropropane	6.884	77	311074	44.329	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	262081	48.491	ug/l	97
28) Bromochloromethane	7.244	49	163067	50.540	ug/l	97
29) Tetrahydrofuran	7.262	42	179182	238.443	ug/l	98
30) Chloroform	7.421	83	414476	49.417	ug/l	94
31) Cyclohexane	7.701	56	324389	42.328	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	361459	48.569	ug/l	99
36) 1,1-Dichloropropene	7.835	75	288831	47.687	ug/l	98
37) Ethyl Acetate	6.982	43	123240	48.438	ug/l	99
38) Carbon Tetrachloride	7.817	117	317448	48.256	ug/l	99
39) Methylcyclohexane	9.109	83	370443	46.445	ug/l	98
40) Benzene	8.079	78	922826	49.434	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	62713	42.710 ug/l #	91
42) 1,2-Dichloroethane	8.158	62	237320	48.880 ug/l	99
43) Isopropyl Acetate	8.195	43	243485	47.349 ug/l	97
44) Trichloroethene	8.866	130	243042	50.380 ug/l	97
45) 1,2-Dichloropropane	9.140	63	213263	49.651 ug/l	98
46) Dibromomethane	9.231	93	125873	51.057 ug/l	100
47) Bromodichloromethane	9.420	83	319939	50.434 ug/l	98
48) Methyl methacrylate	9.219	41	117938	47.928 ug/l	95
49) 1,4-Dioxane	9.231	88	29639	1025.325 ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	660107	248.855 ug/l	99
52) Toluene	10.170	92	591391	49.880 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	277440	48.297 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	332155	48.898 ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	167667	50.825 ug/l	96
56) Ethyl methacrylate	10.438	69	214252	50.756 ug/l	98
57) 1,3-Dichloropropane	10.719	76	280045	50.056 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	553935	278.196 ug/l	99
59) 2-Hexanone	10.762	43	434814	240.731 ug/l	99
60) Dibromochloromethane	10.908	129	221938	50.987 ug/l	100
61) 1,2-Dibromoethane	11.011	107	156537	50.486 ug/l	98
64) Tetrachloroethene	10.646	164	294304	53.771 ug/l	97
65) Chlorobenzene	11.438	112	649300	49.109 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	224242	49.973 ug/l	98
67) Ethyl Benzene	11.517	91	1114480	48.982 ug/l	98
68) m/p-Xylenes	11.627	106	886344	99.741 ug/l	97
69) o-Xylene	11.950	106	416104	49.995 ug/l	100
70) Styrene	11.969	104	710534	52.202 ug/l	97
71) Bromoform	12.127	173	133042	50.729 ug/l #	99
73) Isopropylbenzene	12.249	105	1062843	47.807 ug/l	100
74) N-amyl acetate	12.066	43	214847	45.570 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	171339	45.136 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	236703	77.862 ug/l #	100
77) Bromobenzene	12.529	156	255129	48.103 ug/l	97
78) n-propylbenzene	12.590	91	1275610	48.193 ug/l	99
79) 2-Chlorotoluene	12.676	91	723999	47.740 ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	862323	47.993 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	55521	44.210 ug/l	98
82) 4-Chlorotoluene	12.773	91	748821	47.598 ug/l	98
83) tert-Butylbenzene	12.993	119	780594	48.102 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	869337	48.604 ug/l	99
85) sec-Butylbenzene	13.170	105	1147774	48.148 ug/l	100
86) p-Isopropyltoluene	13.285	119	965816	48.810 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	508936	48.659 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	497592	47.958 ug/l	100
89) n-Butylbenzene	13.615	91	869741	47.858 ug/l	99
90) Hexachloroethane	13.877	117	197634	48.791 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	445962	48.617 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27394	46.349 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	242796	44.759 ug/l	98
94) Hexachlorobutadiene	15.017	225	143992	45.173 ug/l	99
95) Naphthalene	15.139	128	429158	46.397 ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	213464	45.668 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

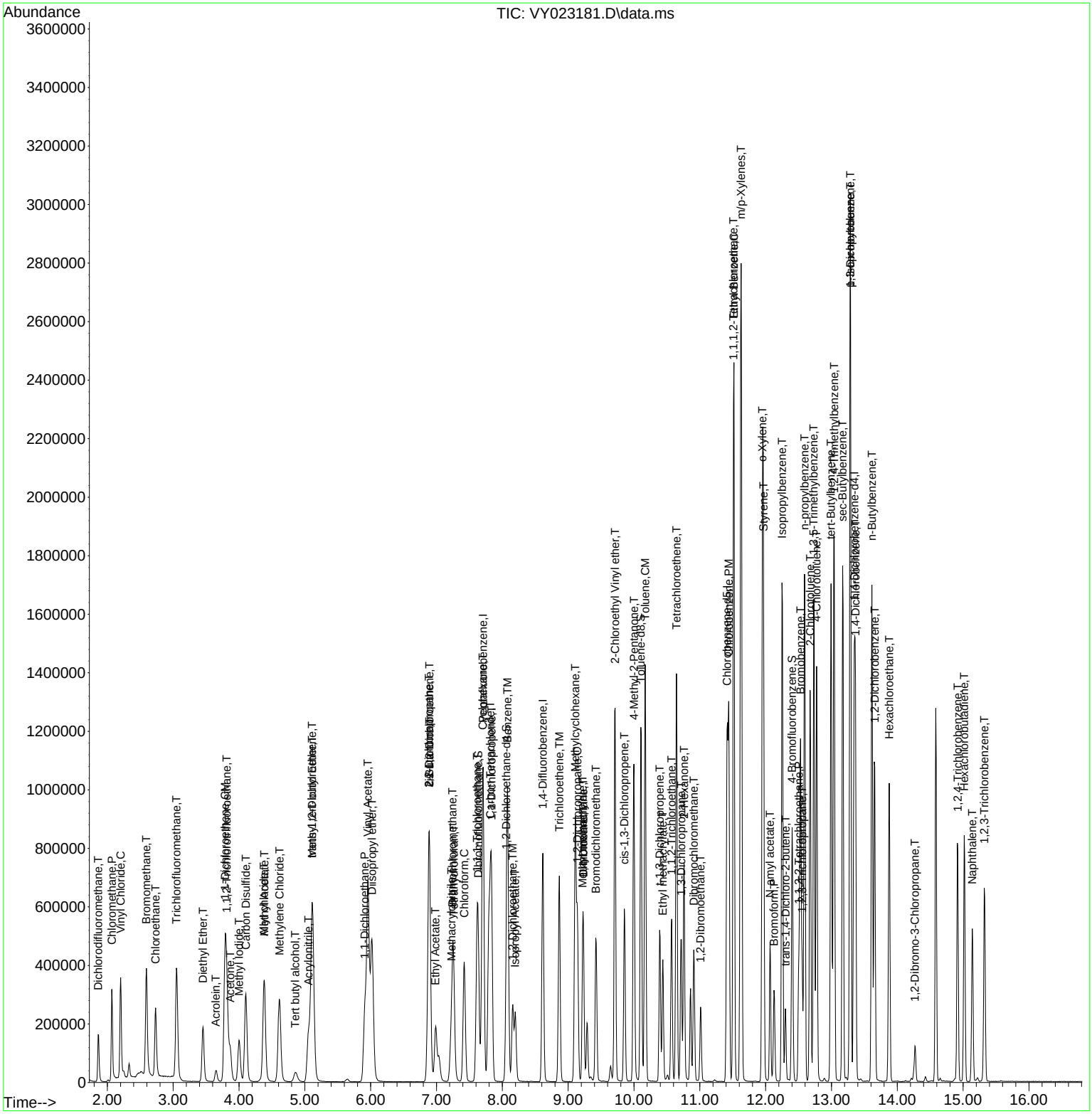
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

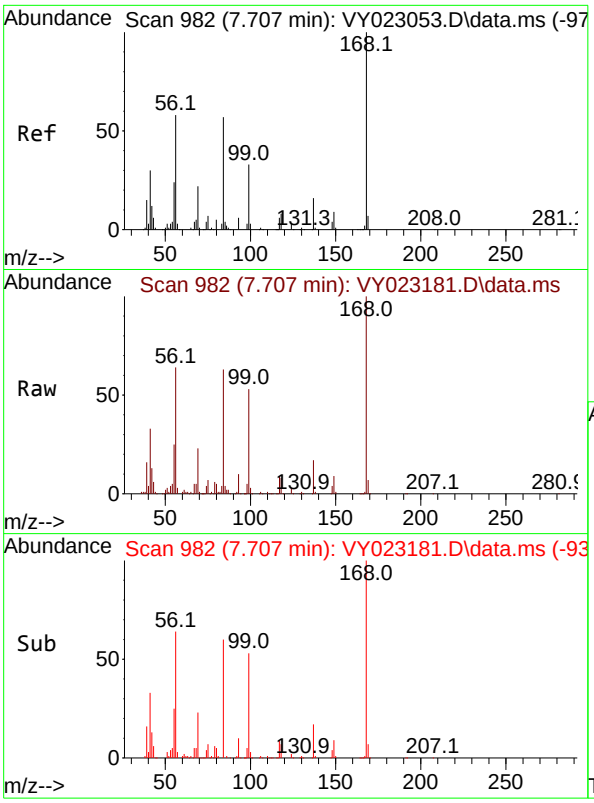
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023181.D
Acq On : 20 Aug 2025 17:41
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 21 01:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



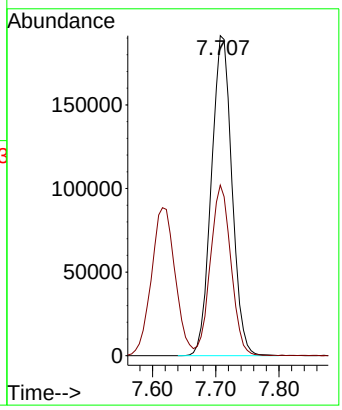


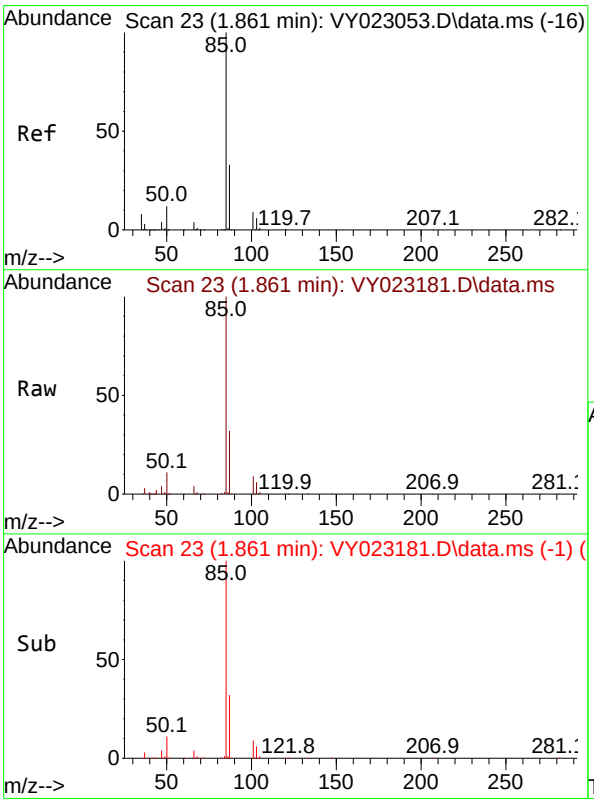
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 431711

Ion	Ratio	Lower	Upper
168	100		
99	53.2	42.8	64.2

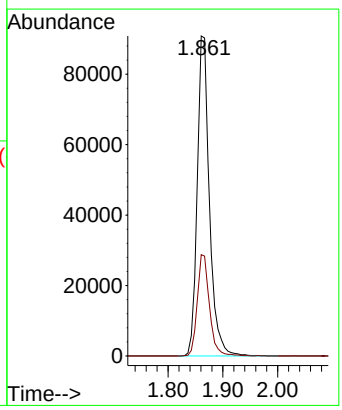


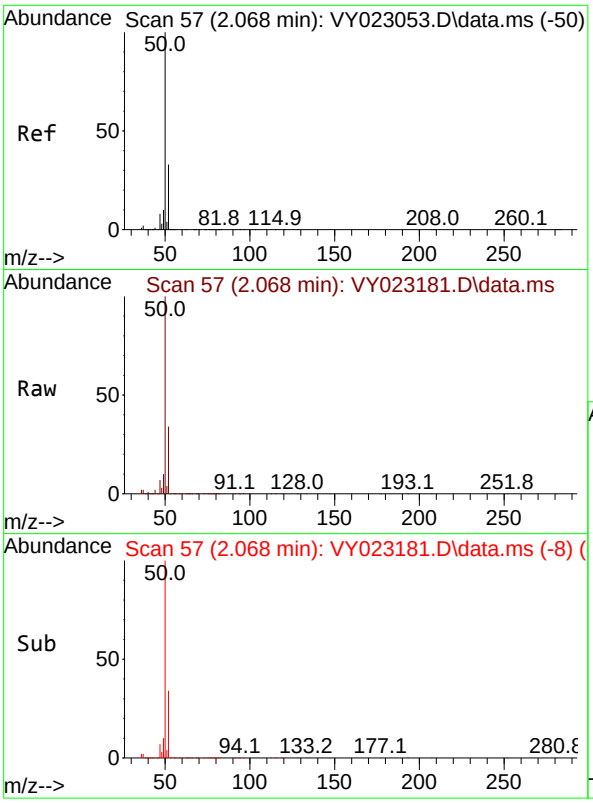


#2
Dichlorodifluoromethane
Concen: 39.978 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 85 Resp: 140877

Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.6	49.8



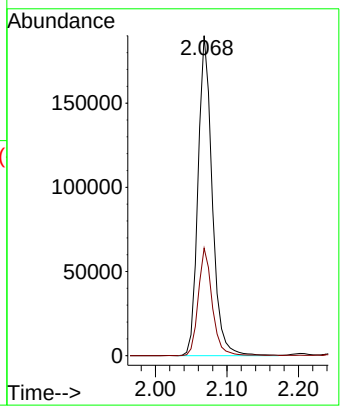


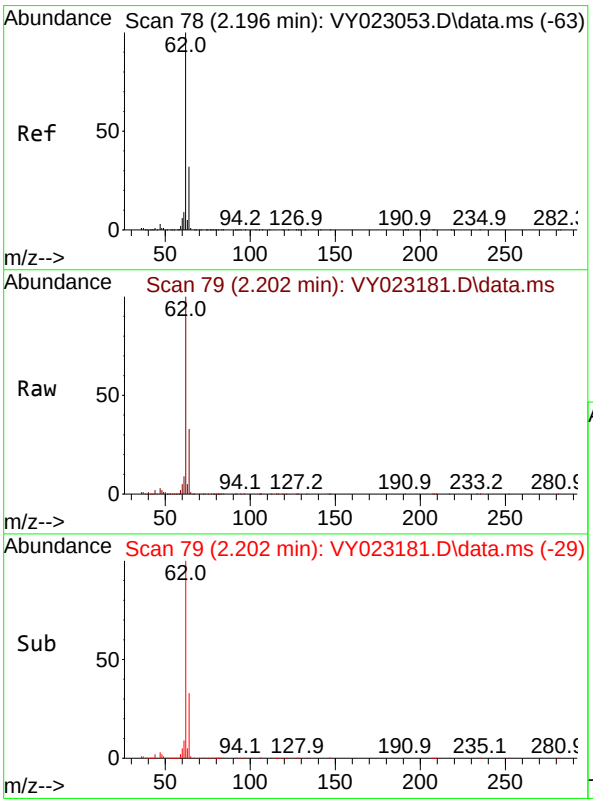
#3
Chloromethane
Concen: 45.777 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 261276

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.7	40.1

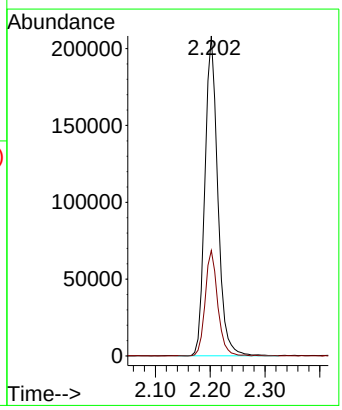


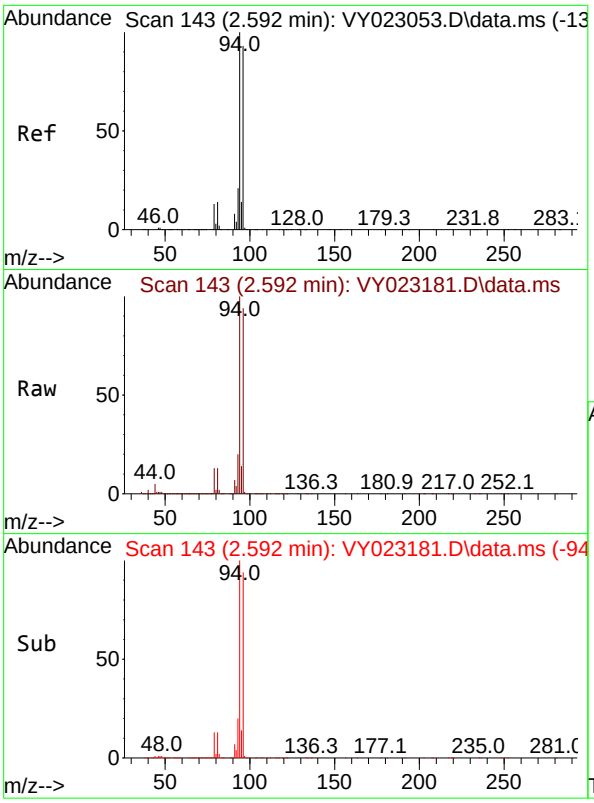


#4
Vinyl Chloride
Concen: 47.914 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 62 Resp: 338048

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.4	38.0



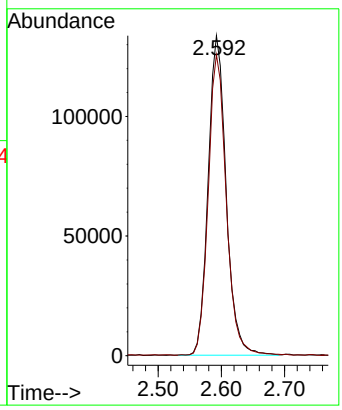


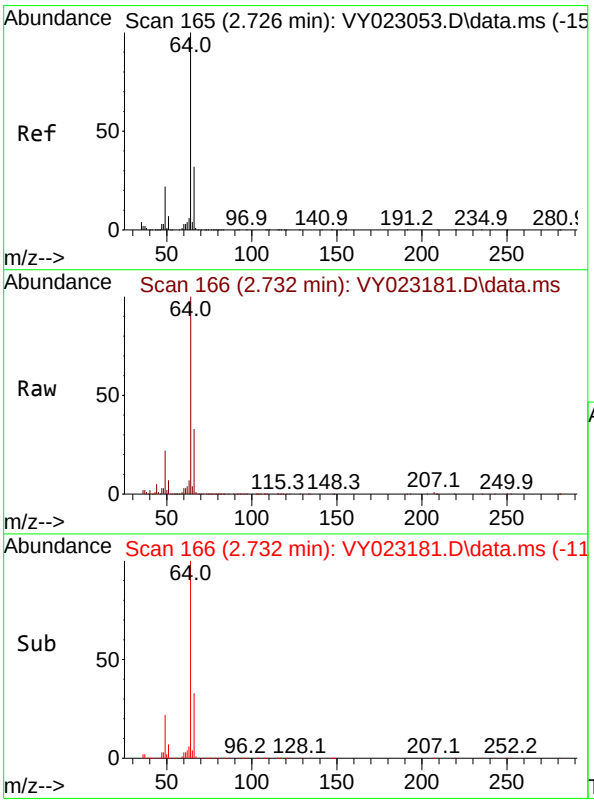
#5
Bromomethane
Concen: 50.164 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 264319

Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.6	112.0

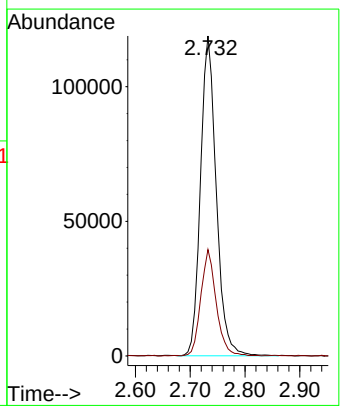


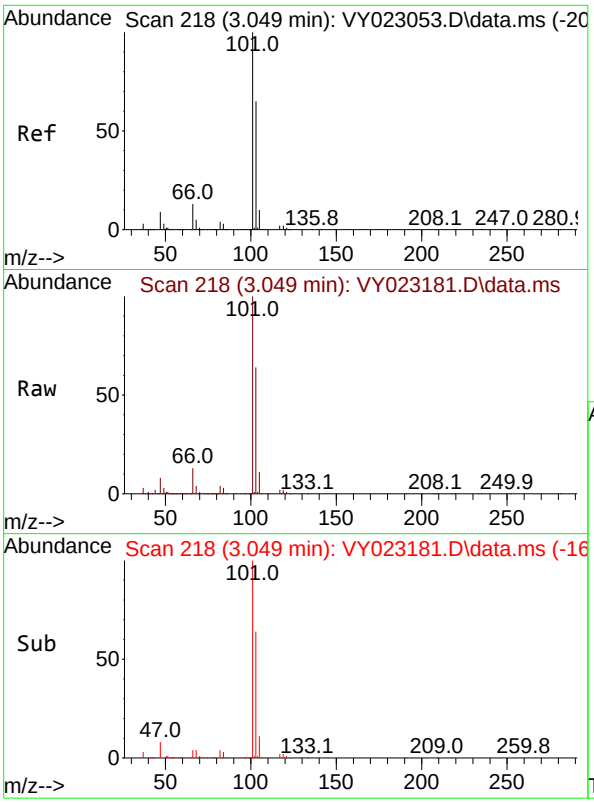


#6
Chloroethane
Concen: 50.501 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 64 Resp: 236880

Ion	Ratio	Lower	Upper
64	100		
66	33.1	25.8	38.6



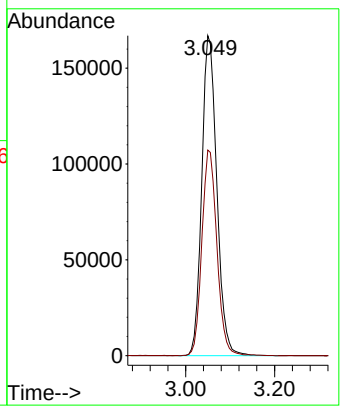


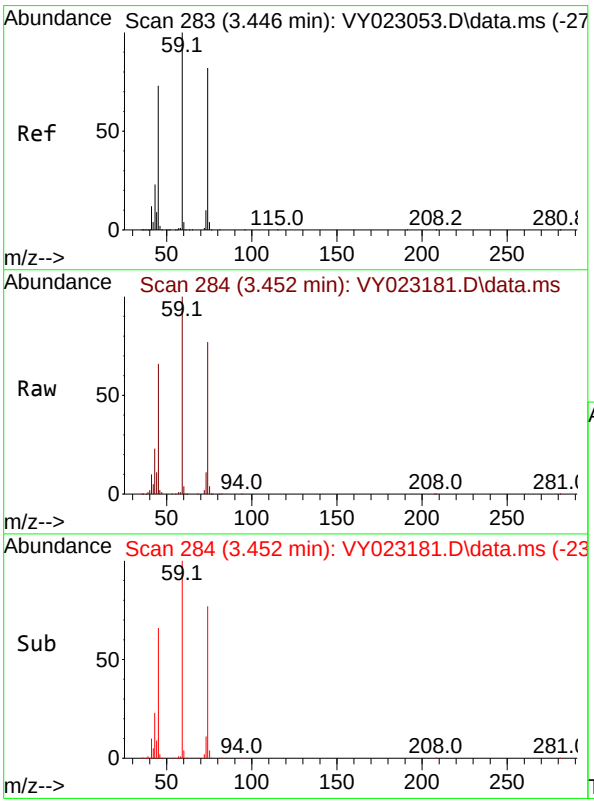
#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 393907

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.9	77.9

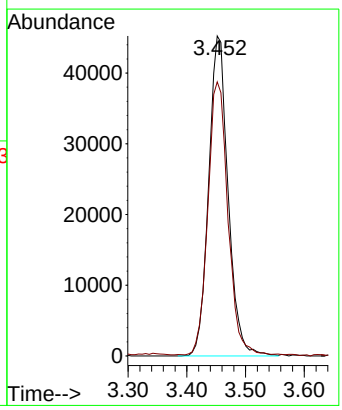


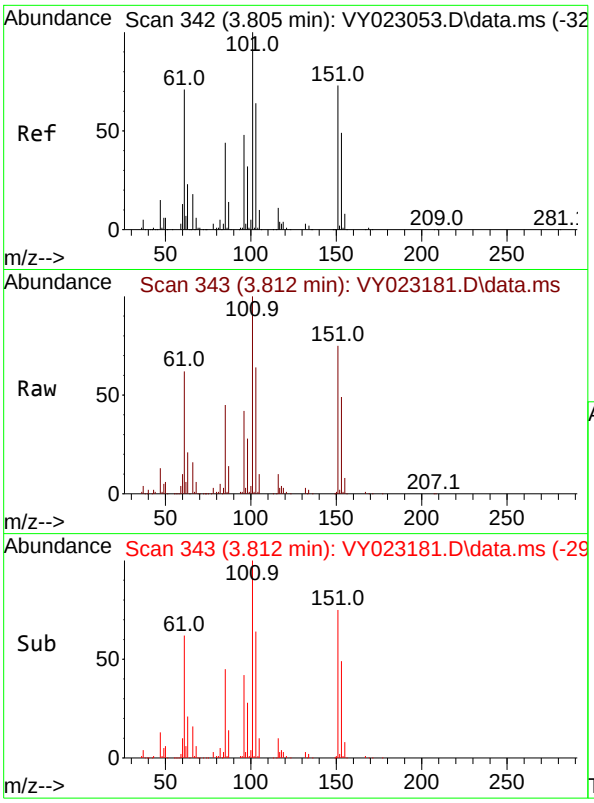


#8
Diethyl Ether
Concen: 45.804 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 74 Resp: 103960

Ion	Ratio	Lower	Upper
74	100		
45	88.0	44.4	133.2



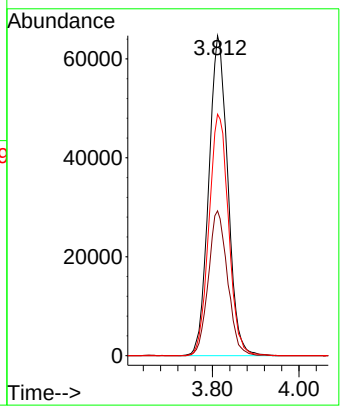


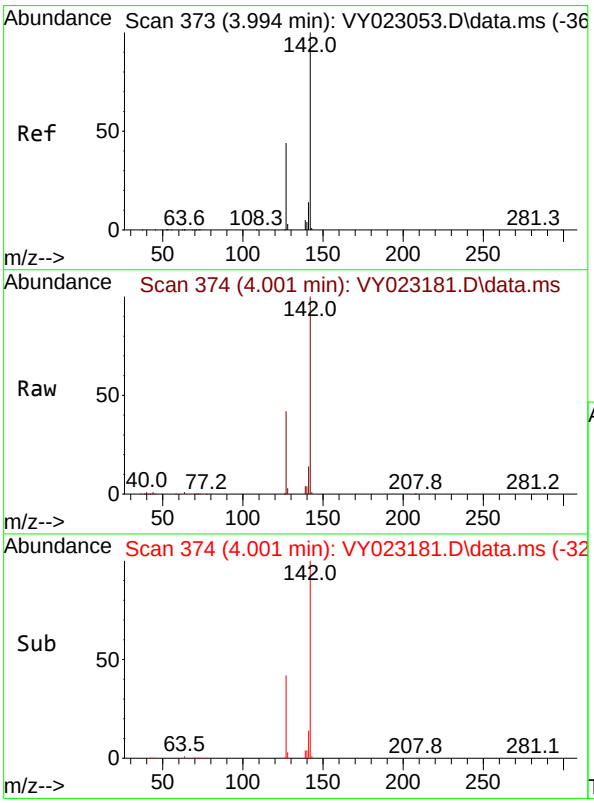
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.691 ug/l
RT: 3.812 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 197614

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	77.6	61.5	92.3

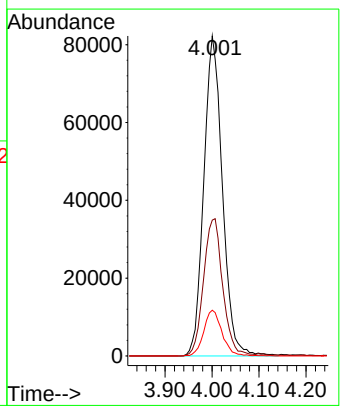


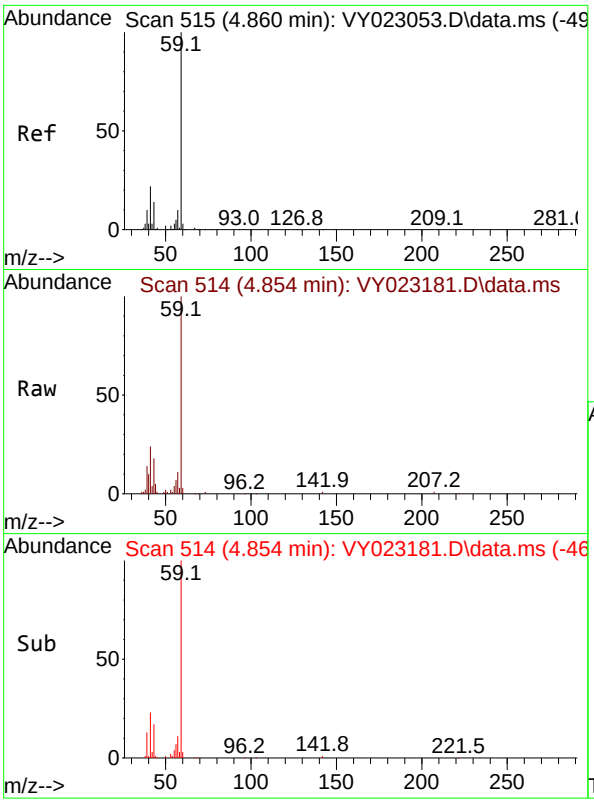


#10
Methyl Iodide
Concen: 49.483 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:142 Resp: 225990

Ion	Ratio	Lower	Upper
142	100		
127	44.2	34.9	52.3
141	14.1	11.3	16.9



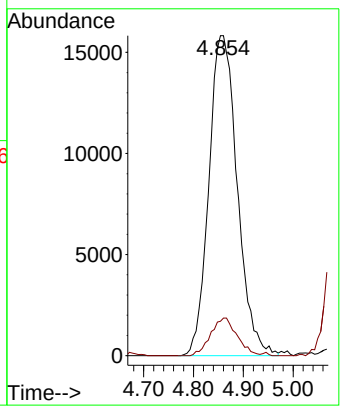


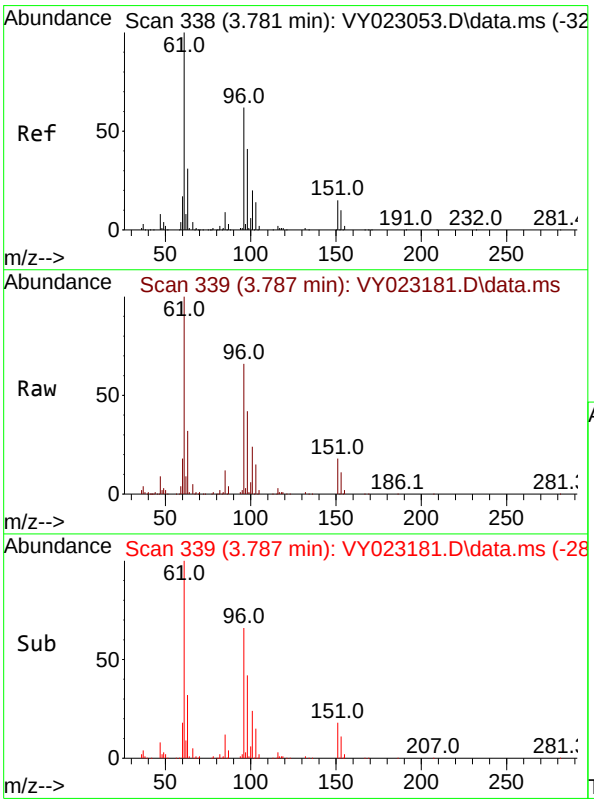
#11
Tert butyl alcohol
Concen: 222.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 62649

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	13.0

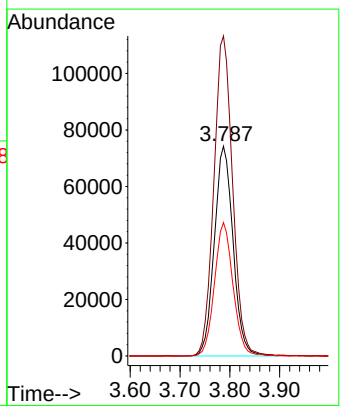


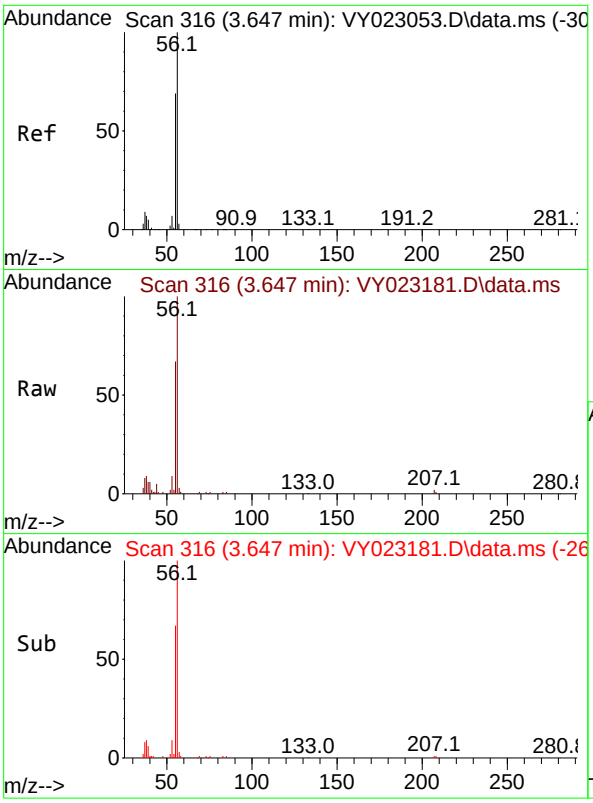


#12
1,1-Dichloroethene
Concen: 46.619 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 96 Resp: 193943

Ion	Ratio	Lower	Upper
96	100		
61	152.6	129.4	194.2
98	63.7	52.8	79.2



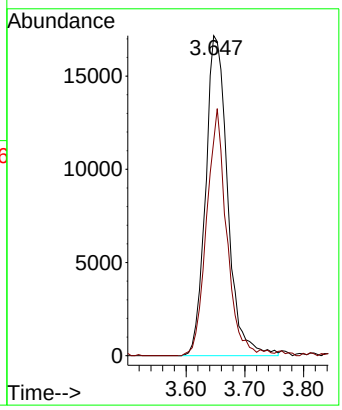


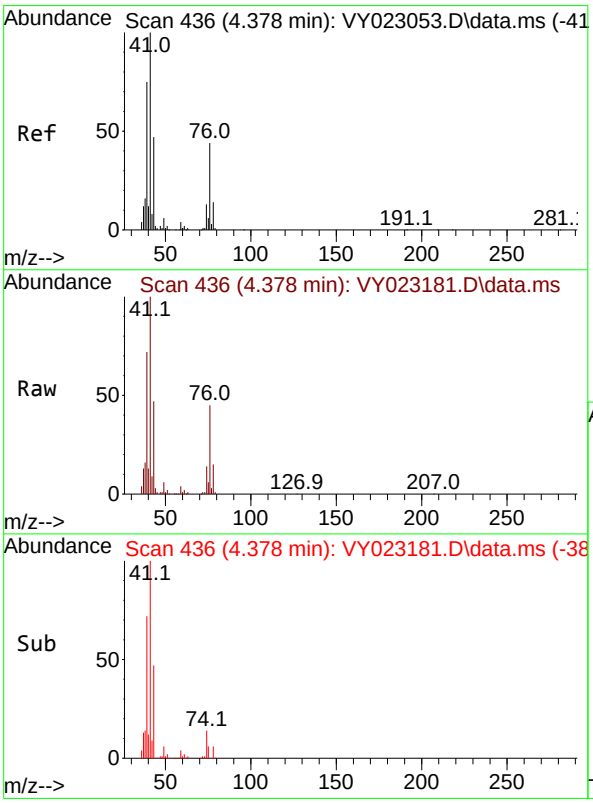
#13
Acrolein
Concen: 108.267 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 44701

Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.2	82.8

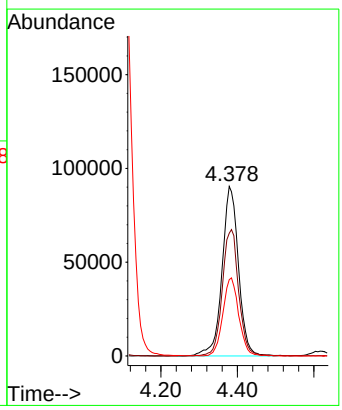


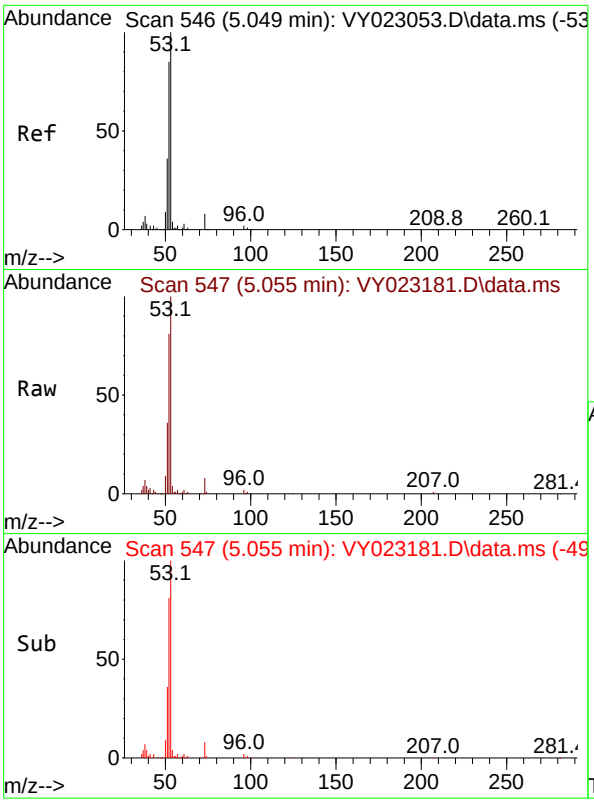


#14
Allyl chloride
Concen: 44.128 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 270128

Ion	Ratio	Lower	Upper
41	100		
39	74.1	59.8	89.6
76	44.6	33.7	50.5



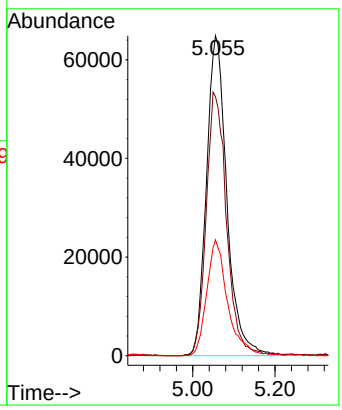


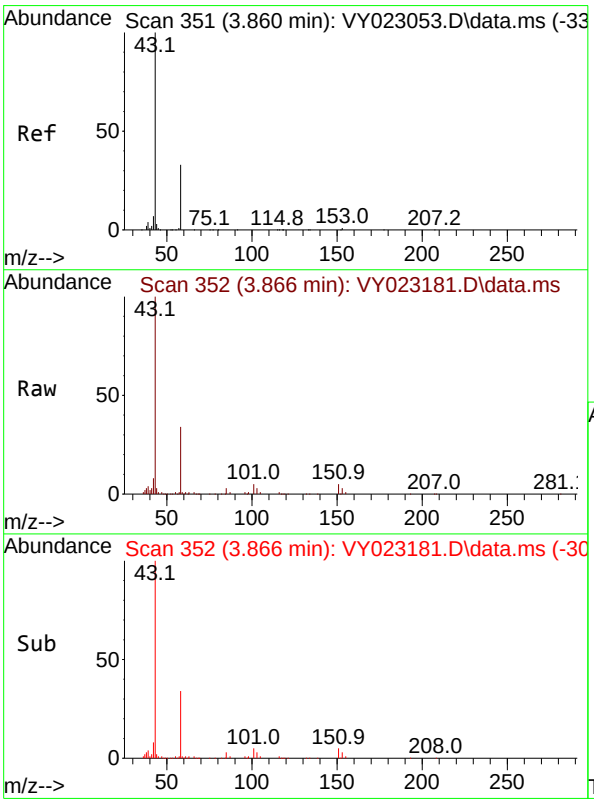
#15
Acrylonitrile
Concen: 242.415 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 223687

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	37.1	29.5	44.3

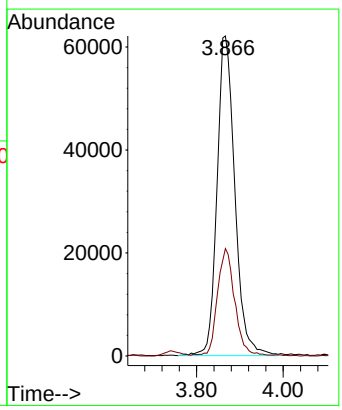


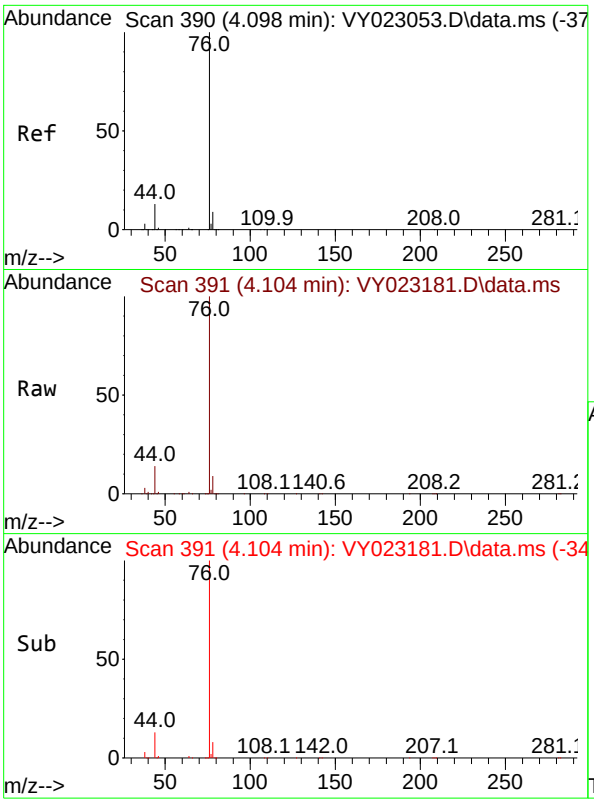


#16
Acetone
Concen: 199.376 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 177721

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.1	40.7



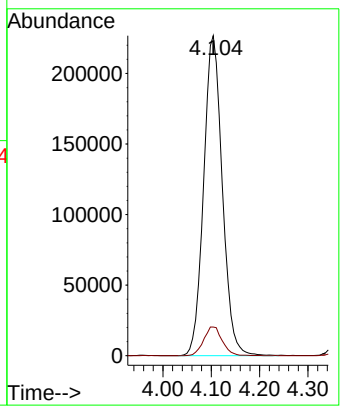


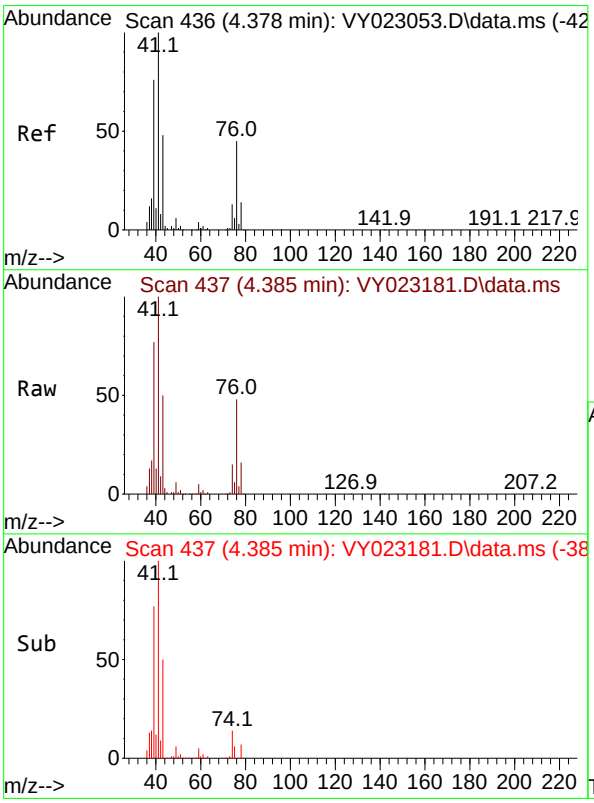
#17
Carbon Disulfide
Concen: 44.811 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 607851

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

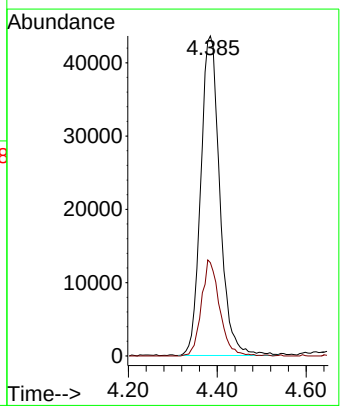


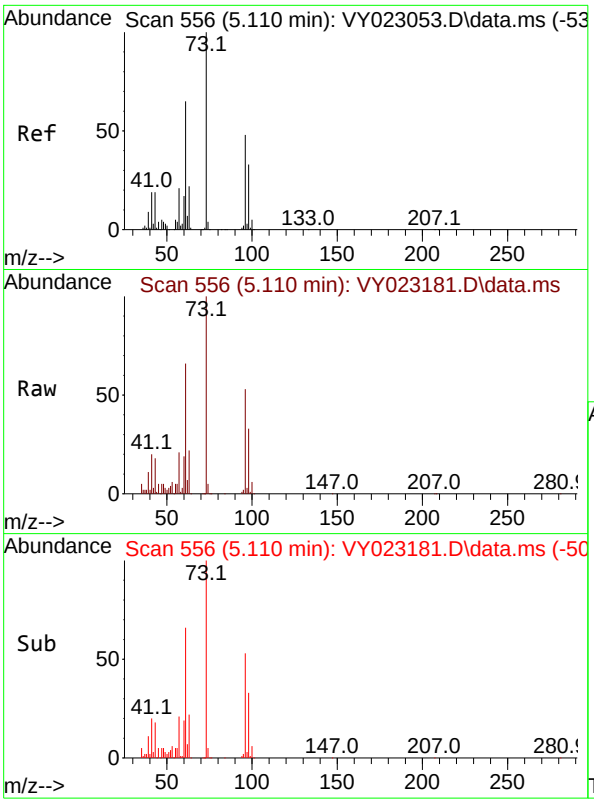


#18
Methyl Acetate
Concen: 49.121 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 130298

Ion	Ratio	Lower	Upper
43	100		
74	28.6	21.2	31.8



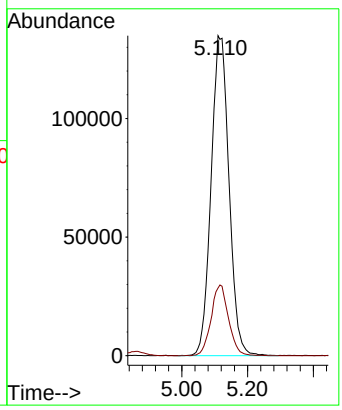


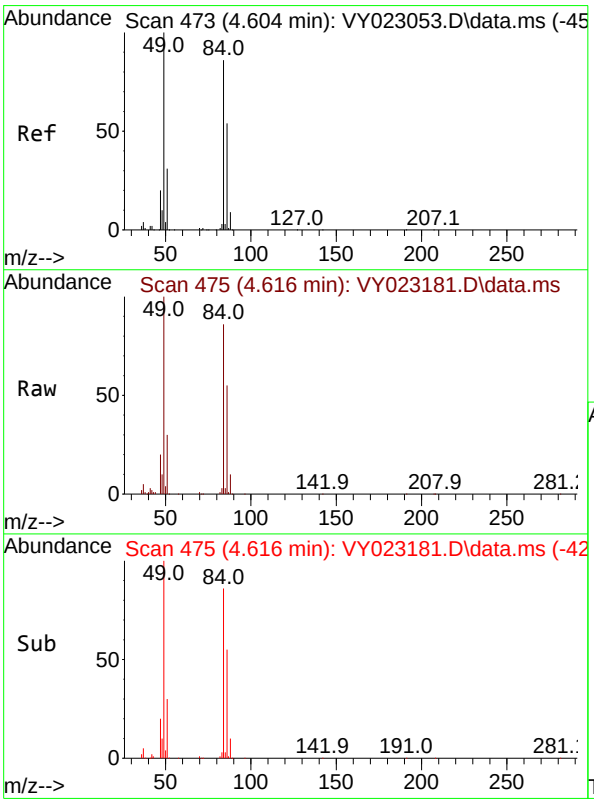
#19
Methyl tert-butyl Ether
Concen: 47.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 510091

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.1	25.7

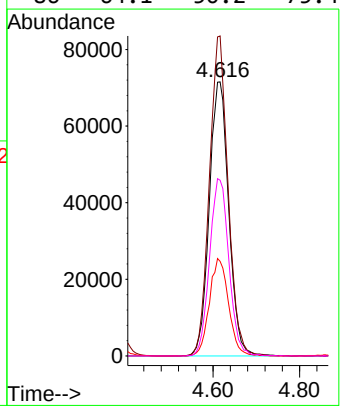


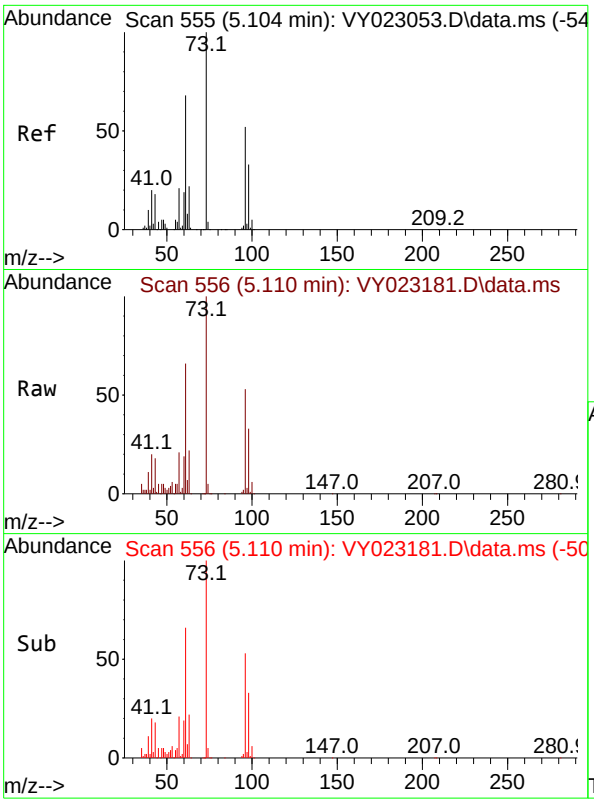


#20
Methylene Chloride
Concen: 48.063 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 84 Resp: 223113

Ion	Ratio	Lower	Upper
84	100		
49	116.8	93.0	139.6
51	34.5	29.0	43.4
86	64.1	50.2	75.4



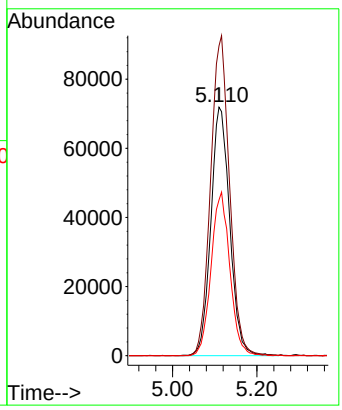


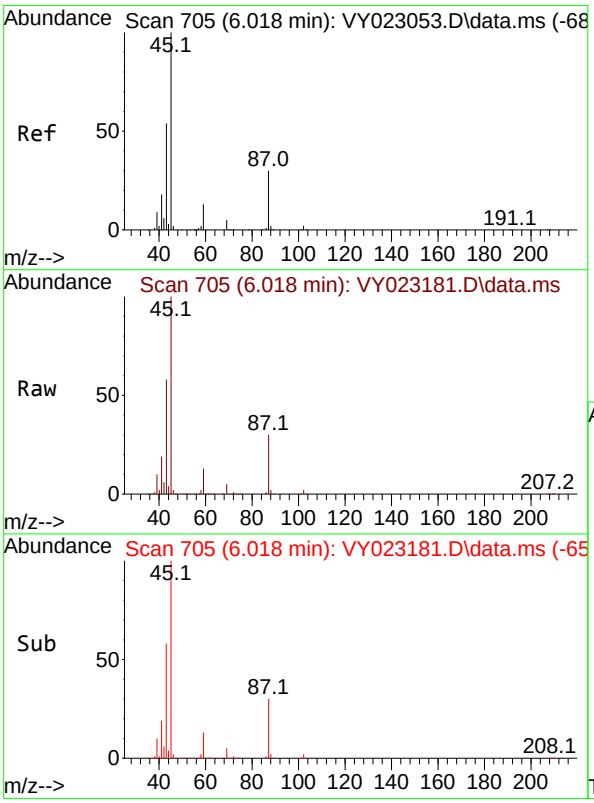
#21
trans-1,2-Dichloroethene
Concen: 47.840 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 223660

Ion	Ratio	Lower	Upper
96	100		
61	124.6	104.8	157.2
98	62.6	50.1	75.1

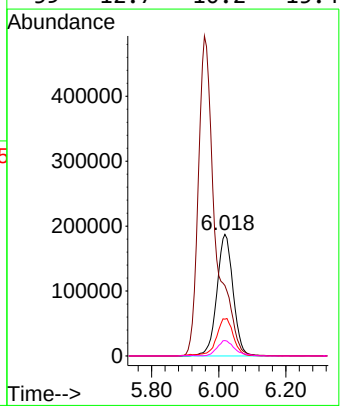


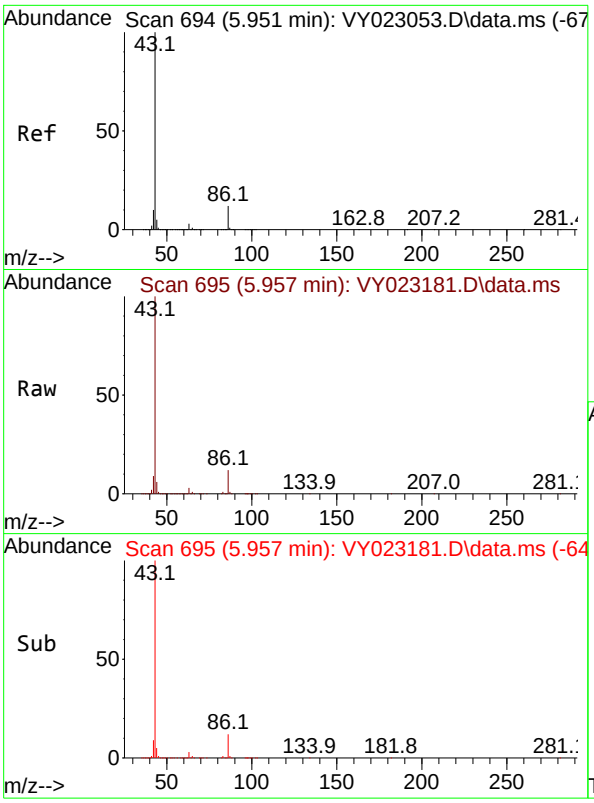


#22
Diisopropyl ether
Concen: 47.200 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 45 Resp: 627852

Ion	Ratio	Lower	Upper
45	100		
43	57.9	43.4	65.0
87	30.3	24.4	36.6
59	12.7	10.2	15.4



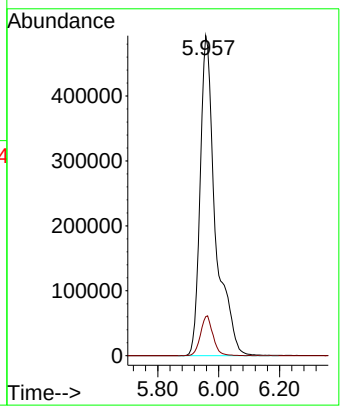


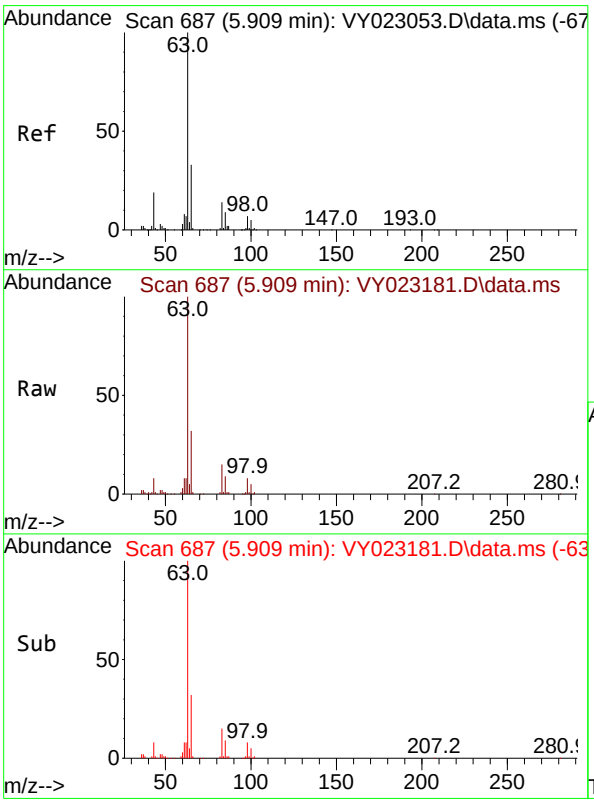
#23
Vinyl Acetate
Concen: 233.764 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1719391

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.6	14.4

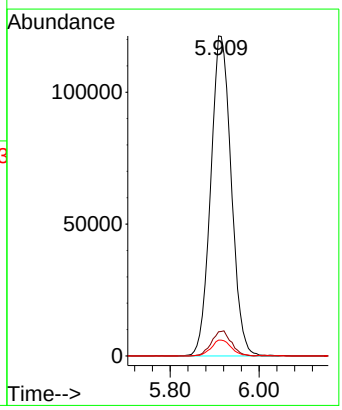


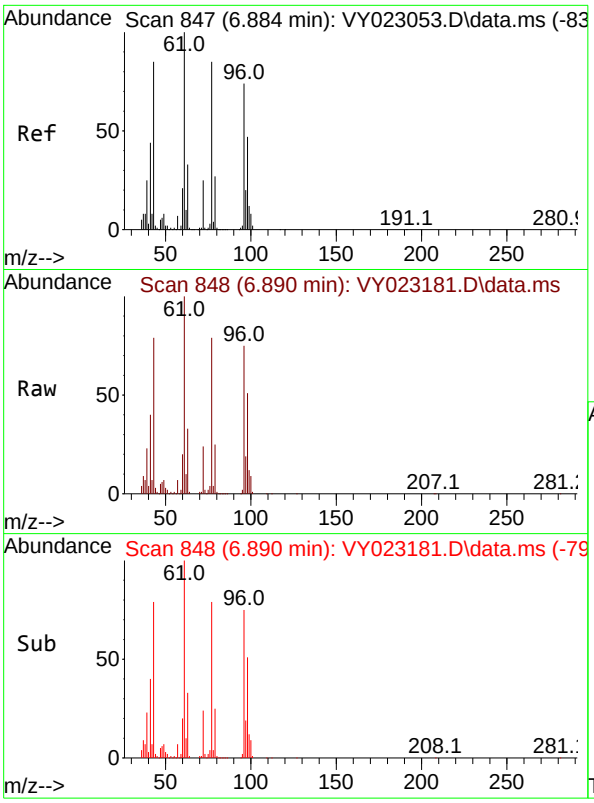


#24
1,1-Dichloroethane
Concen: 47.830 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 388982

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.9	2.4	7.1



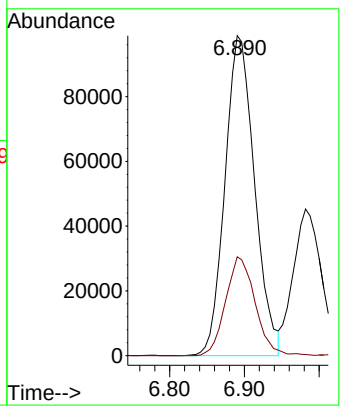


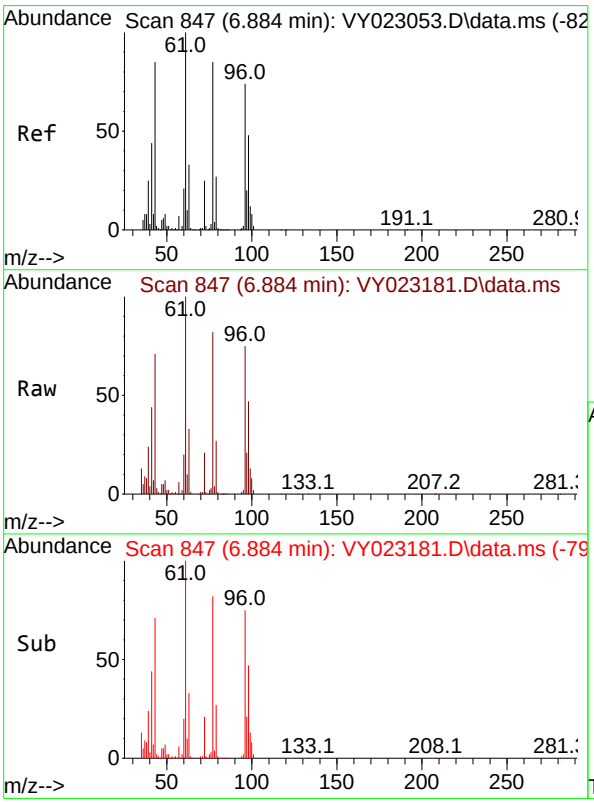
#25
2-Butanone
Concen: 224.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 272663

Ion	Ratio	Lower	Upper
43	100		
72	30.9	23.5	35.3

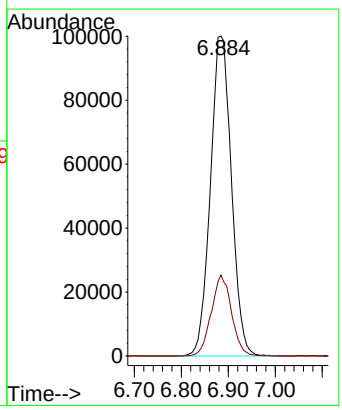


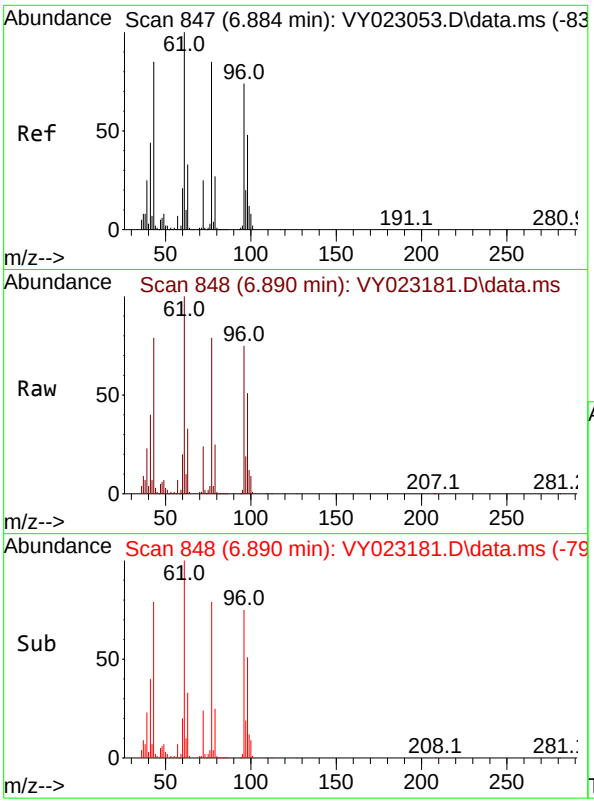


#26
2,2-Dichloropropane
Concen: 44.329 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 77 Resp: 311074

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.6	34.8



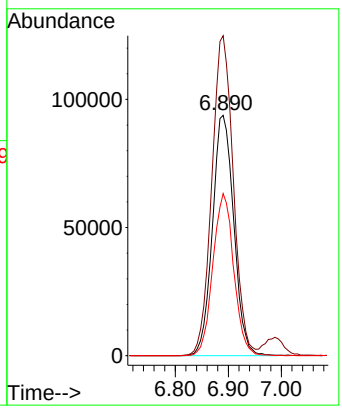


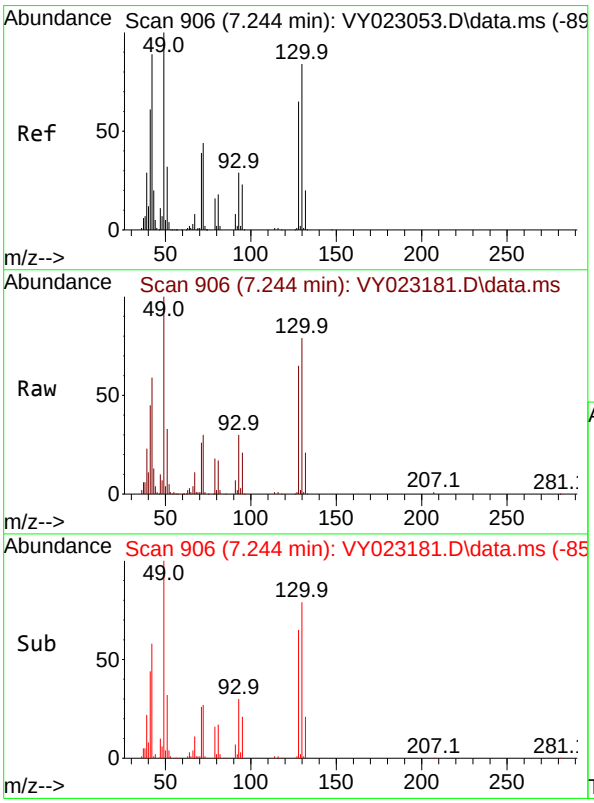
#27
cis-1,2-Dichloroethene
Concen: 48.491 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 262081

Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	278.6
98	66.1	0.0	130.4

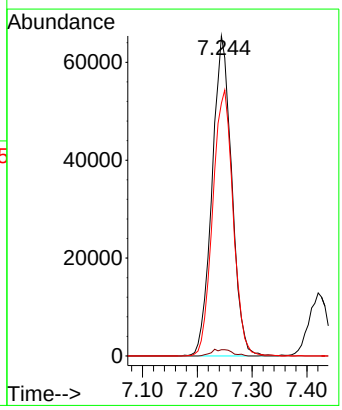


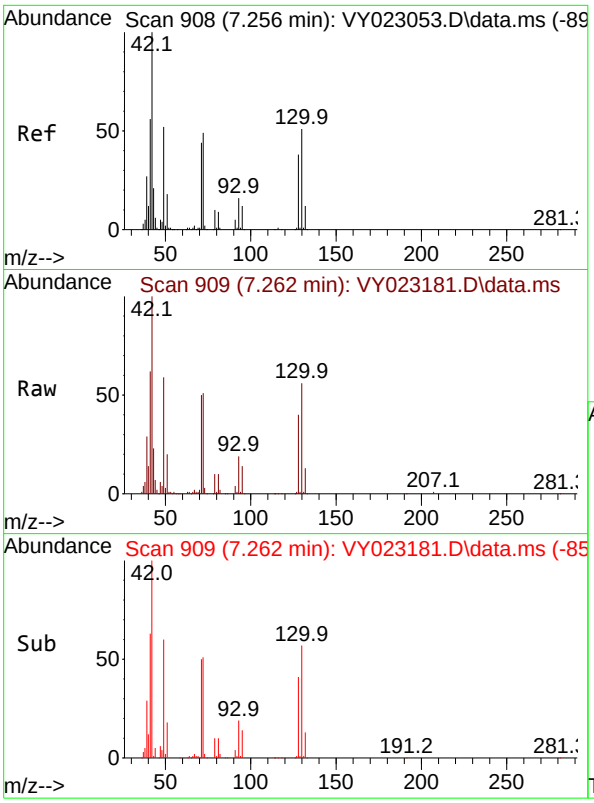


#28
Bromochloromethane
Concen: 50.540 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 49 Resp: 163067

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.8	66.4	99.6



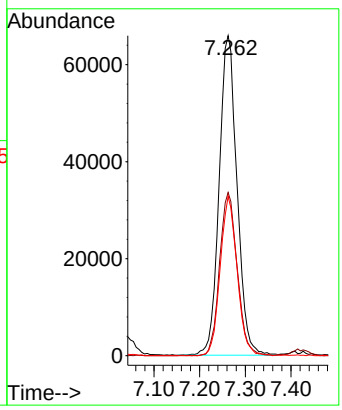


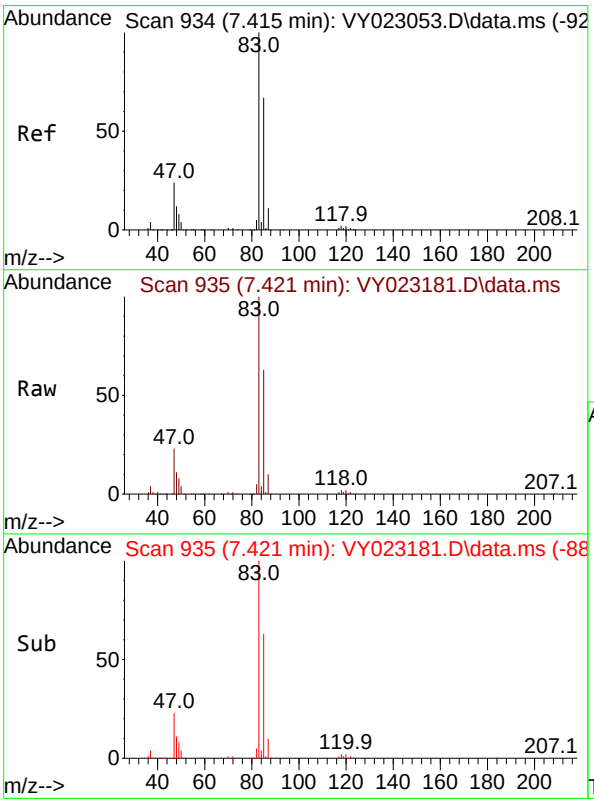
#29
Tetrahydrofuran
Concen: 238.443 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 179182

Ion	Ratio	Lower	Upper
42	100		
72	50.4	39.4	59.2
71	47.1	36.5	54.7

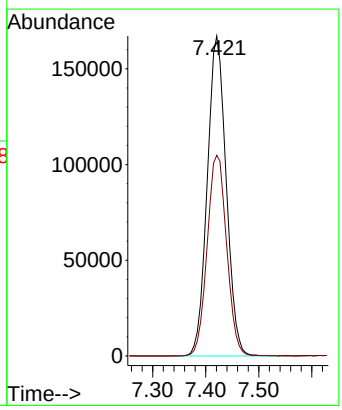


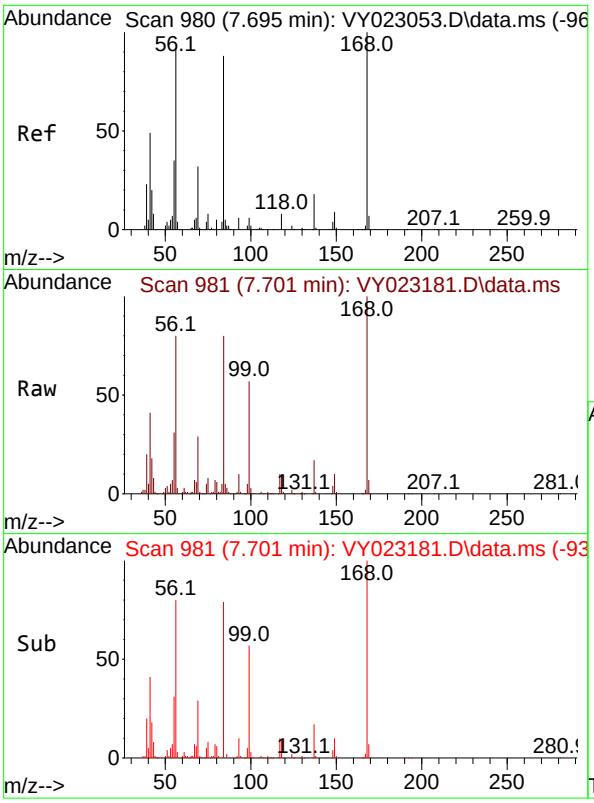


#30
Chloroform
Concen: 49.417 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 83 Resp: 414476

Ion	Ratio	Lower	Upper
83	100		
85	62.7	53.8	80.8



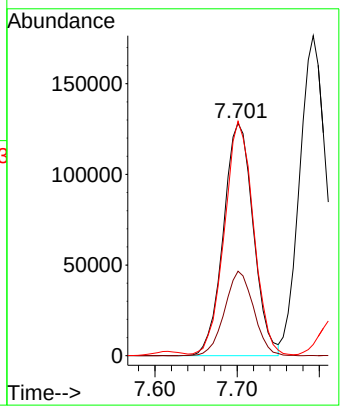


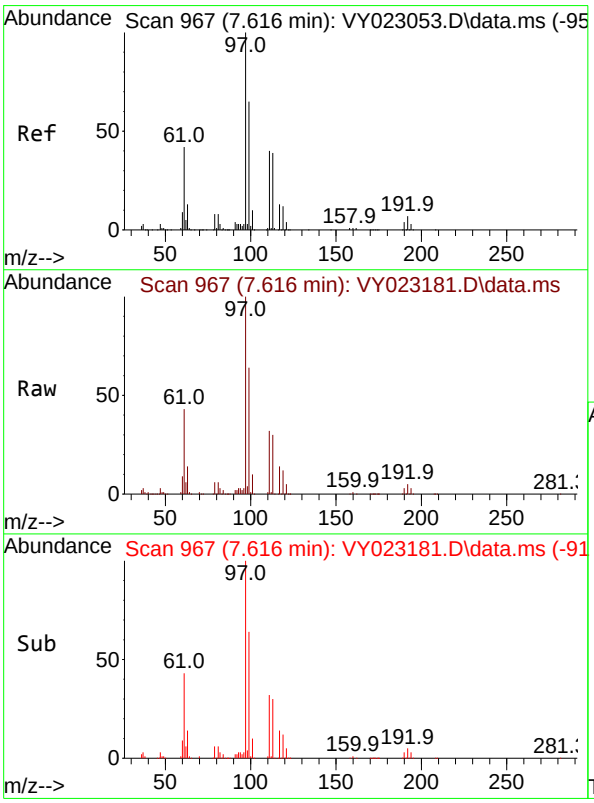
#31
Cyclohexane
Concen: 42.328 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 324389

Ion	Ratio	Lower	Upper
56	100		
69	36.4	28.2	42.2
84	99.4	76.6	114.8

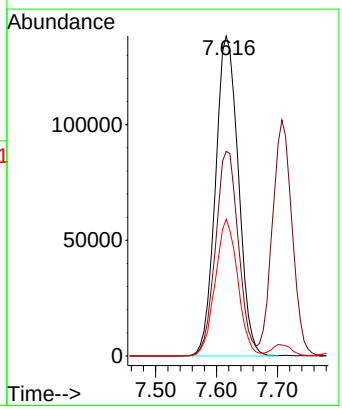


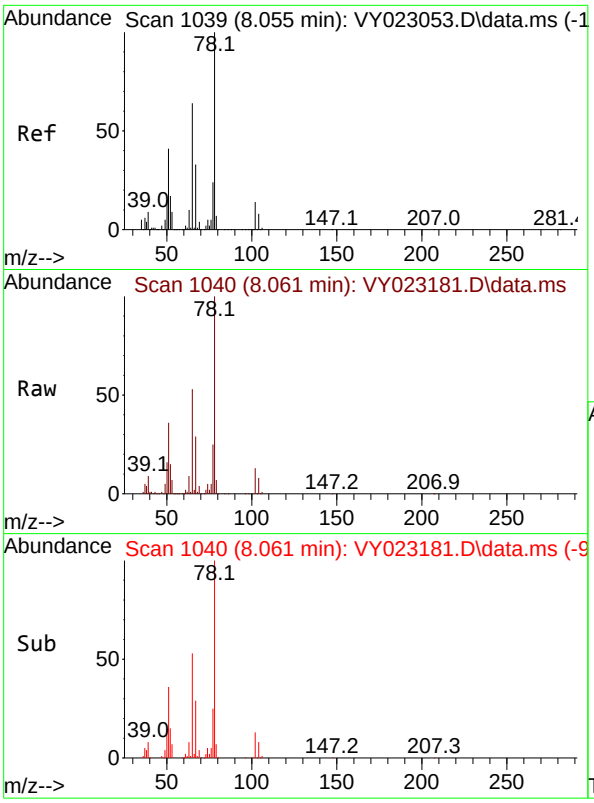


#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 97 Resp: 361459

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	42.1	34.2	51.2



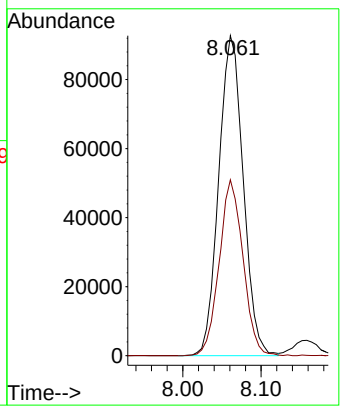


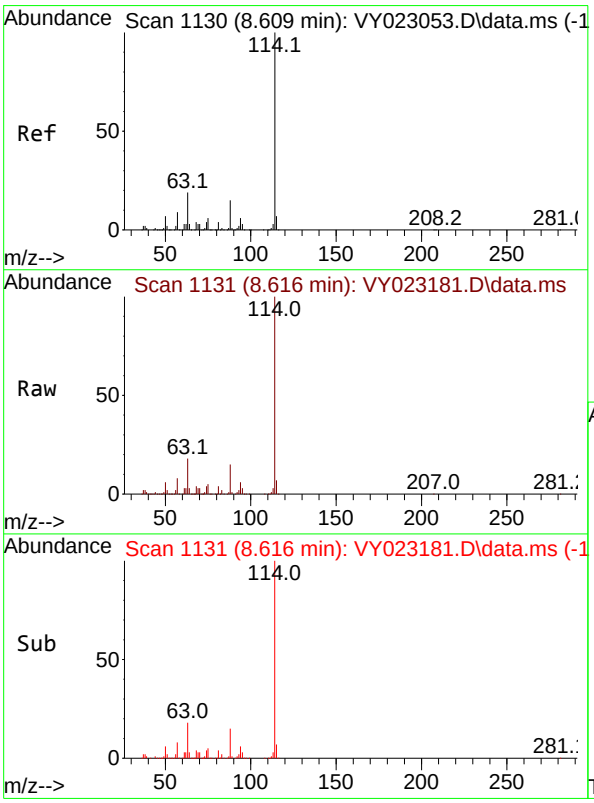
#33
1,2-Dichloroethane-d4
Concen: 49.047 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 201806

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

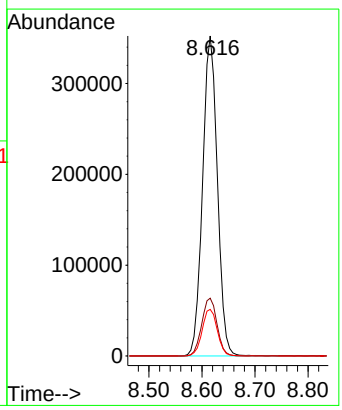


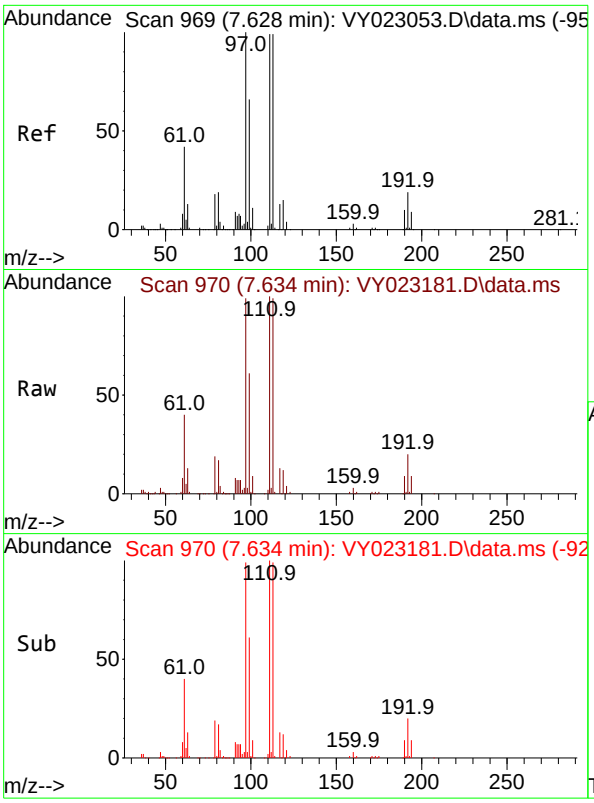


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:114 Resp: 681100

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	14.6	0.0	30.0



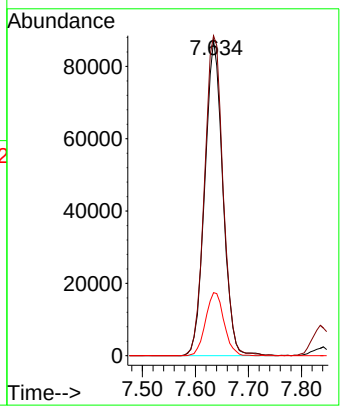


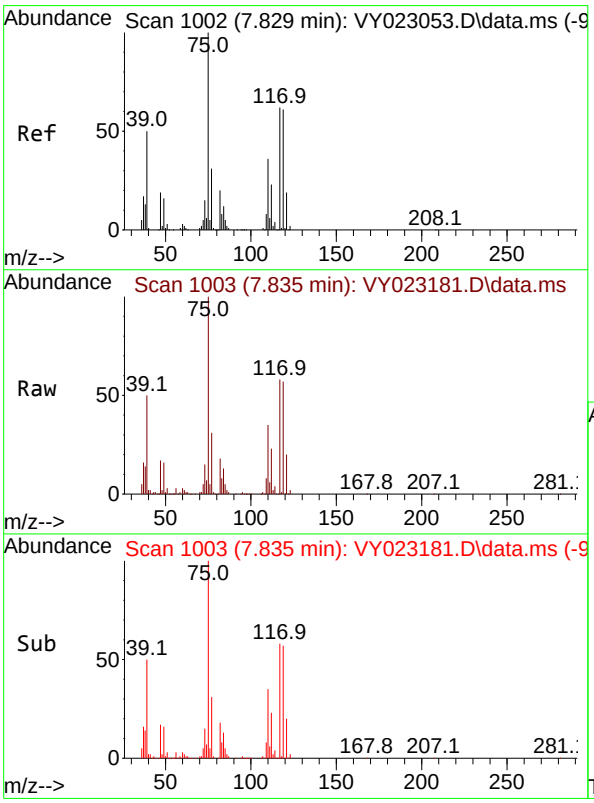
#35
Dibromofluoromethane
Concen: 50.409 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 205442

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.1	121.7
192	20.5	16.2	24.4

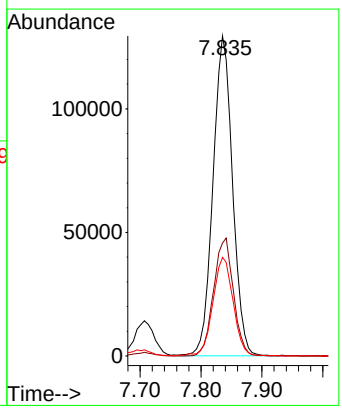


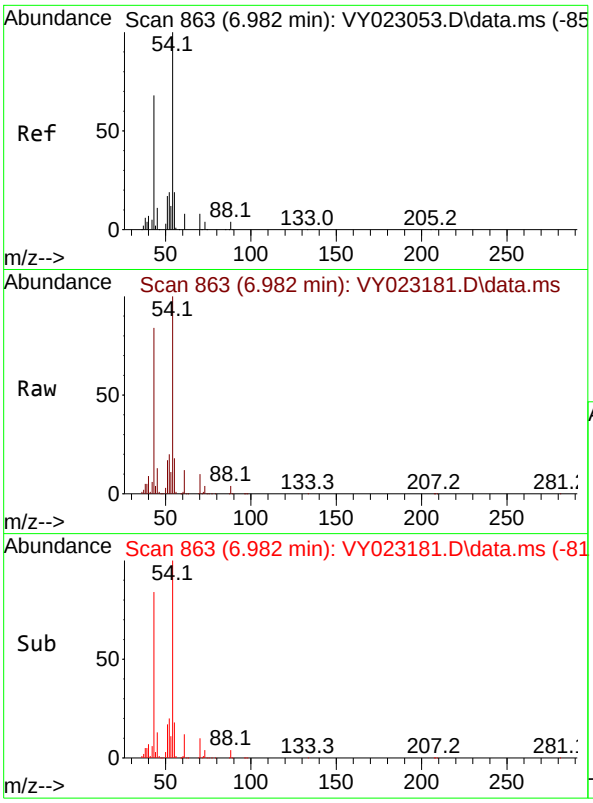


#36
1,1-Dichloropropene
Concen: 47.687 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 288831

Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.1	54.4
77	31.8	24.6	37.0



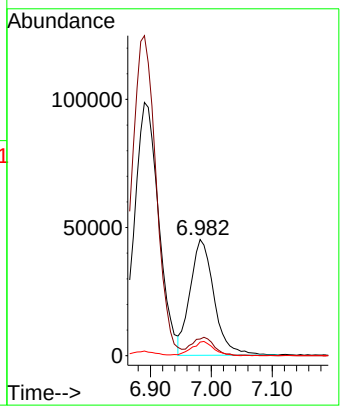


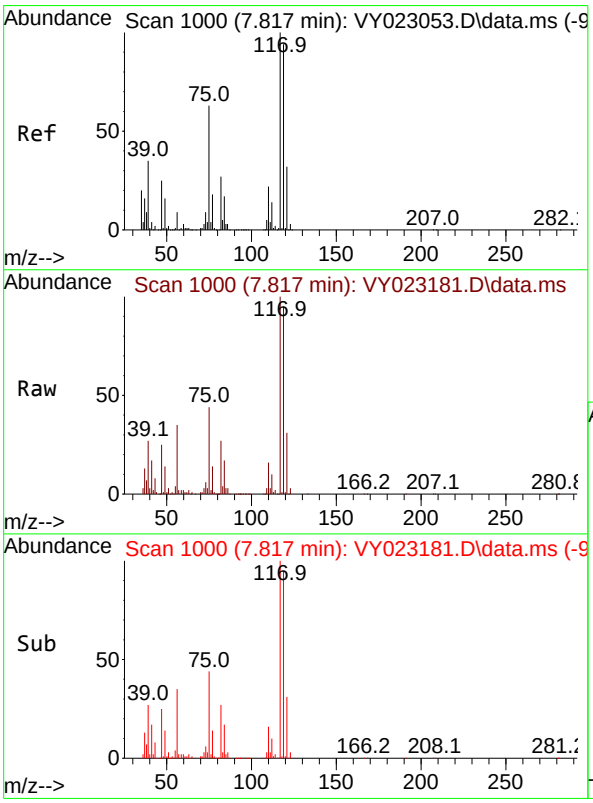
#37
Ethyl Acetate
Concen: 48.438 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 123240

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.4	8.8	13.2

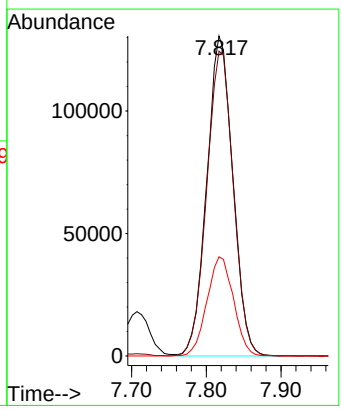


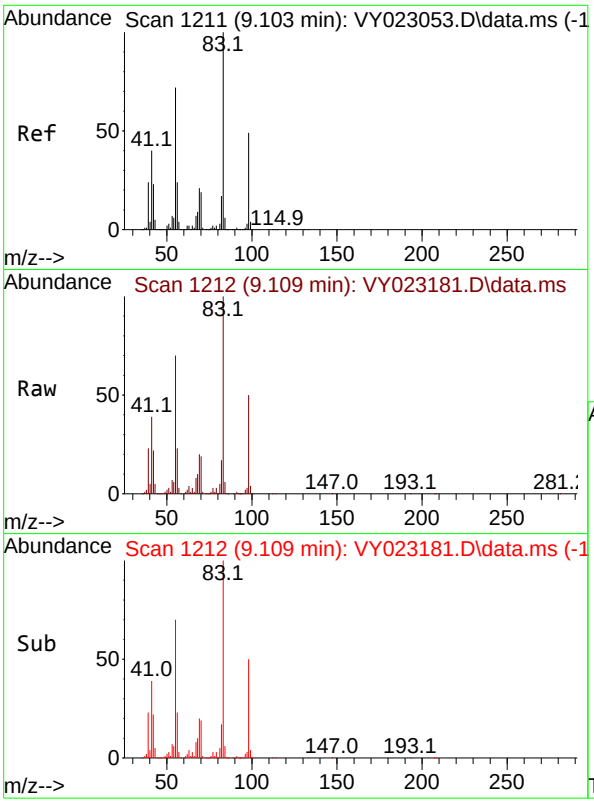


#38
Carbon Tetrachloride
Concen: 48.256 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:117 Resp: 317448

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	31.0	25.8	38.8



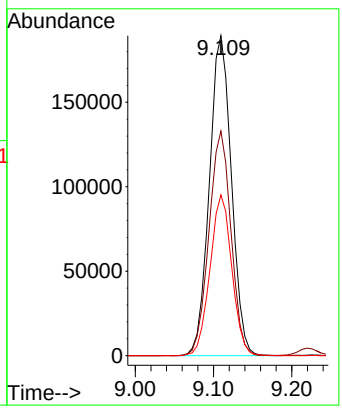


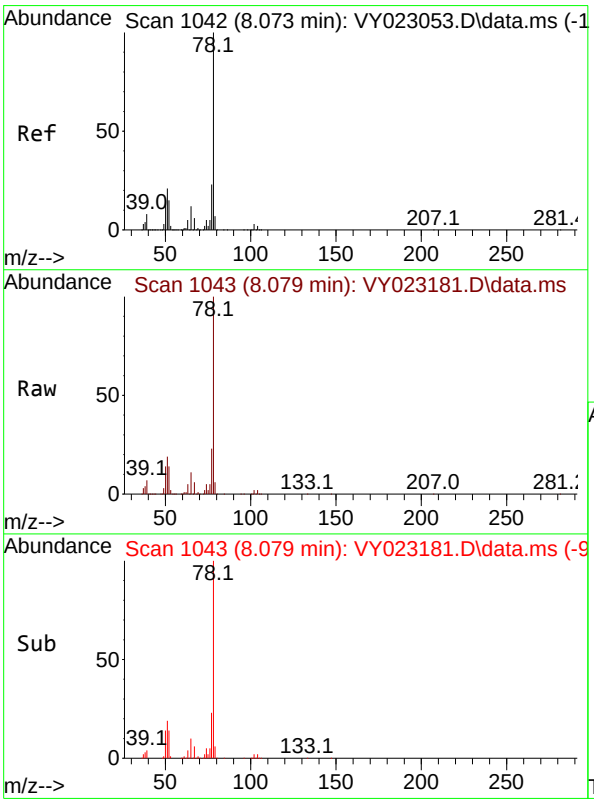
#39
Methylcyclohexane
Concen: 46.445 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 370443

Ion	Ratio	Lower	Upper
83	100		
55	70.2	57.6	86.4
98	50.3	39.2	58.8

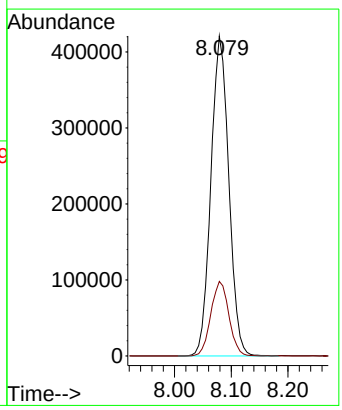


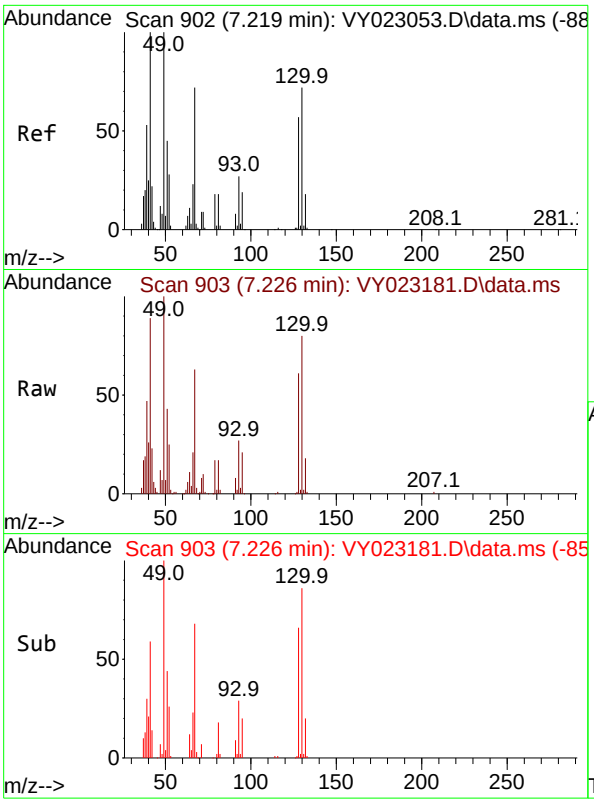


#40
Benzene
Concen: 49.434 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 78 Resp: 922826

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0



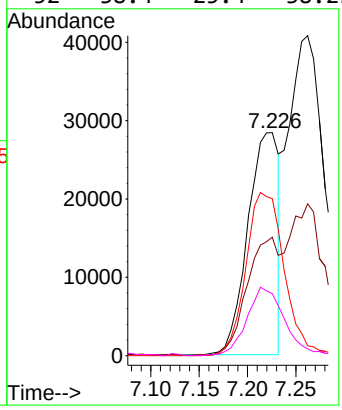


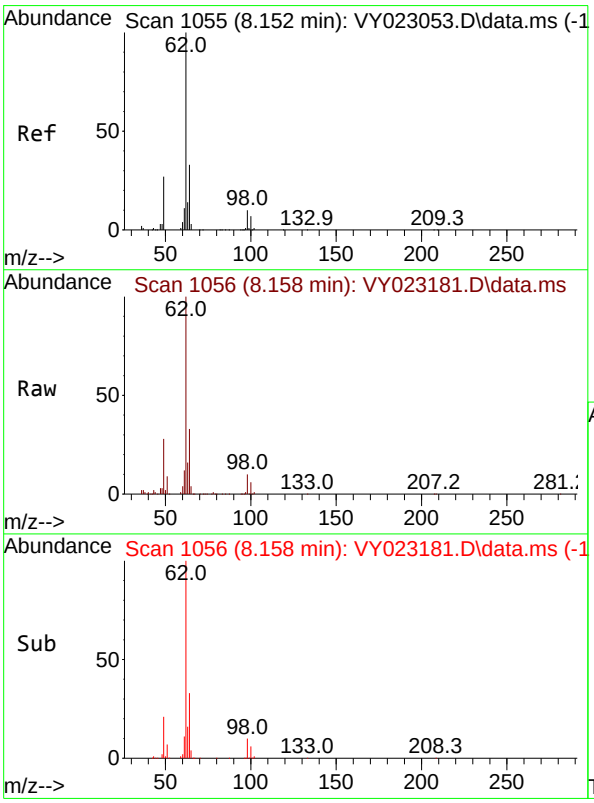
#41
Methacrylonitrile
Concen: 42.710 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 62713

Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.4	65.2
67	91.7	63.6	95.4
52	38.4	25.4	38.2#

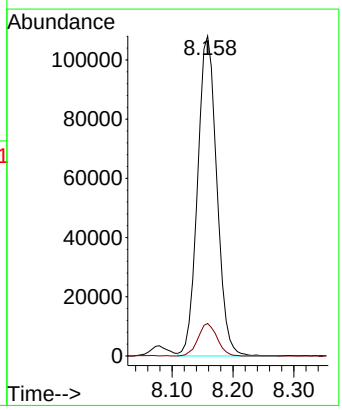


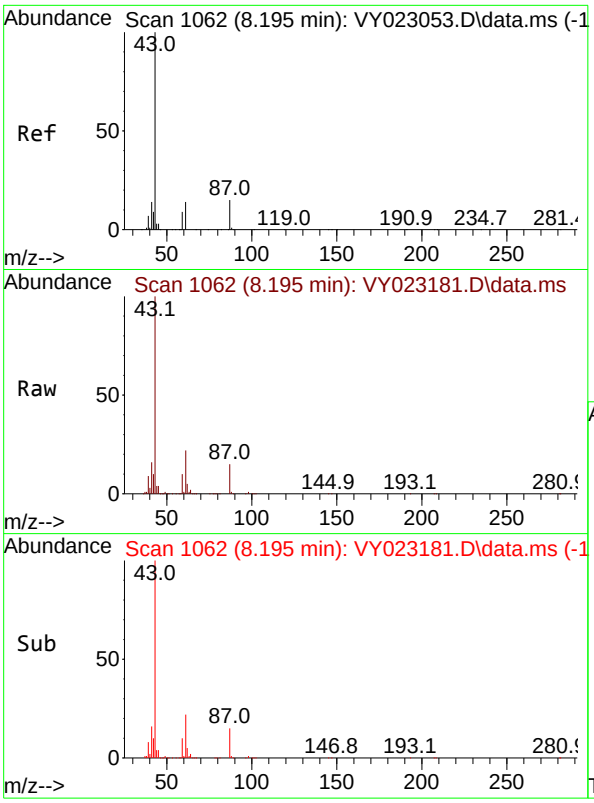


#42
1,2-Dichloroethane
Concen: 48.880 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 62 Resp: 237320

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



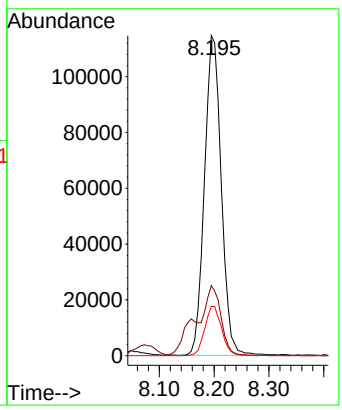


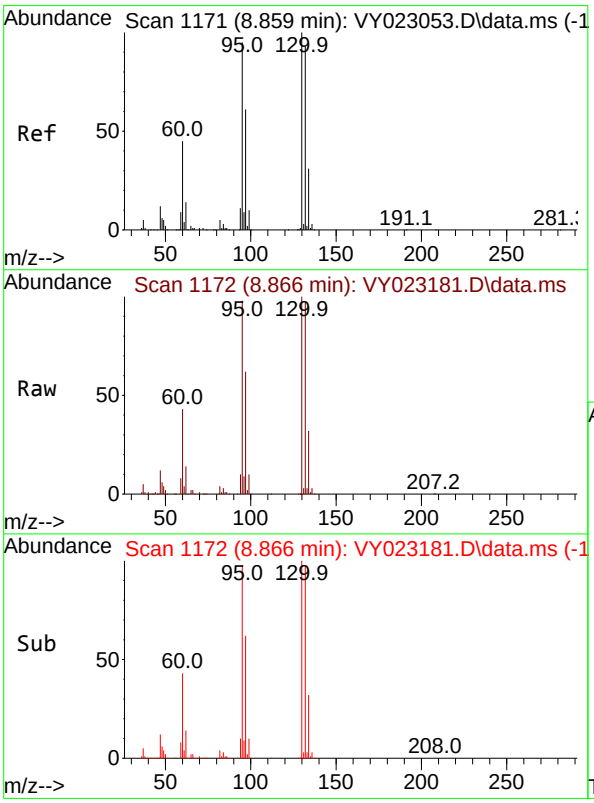
#43
Isopropyl Acetate
Concen: 47.349 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 243485

Ion	Ratio	Lower	Upper
43	100		
61	21.9	16.4	24.6
87	15.6	11.8	17.6

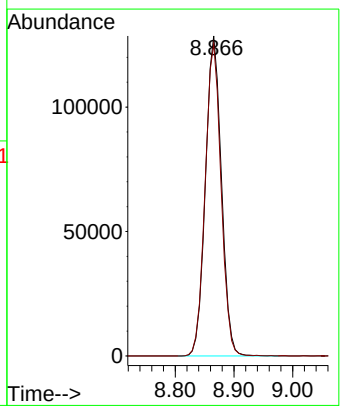


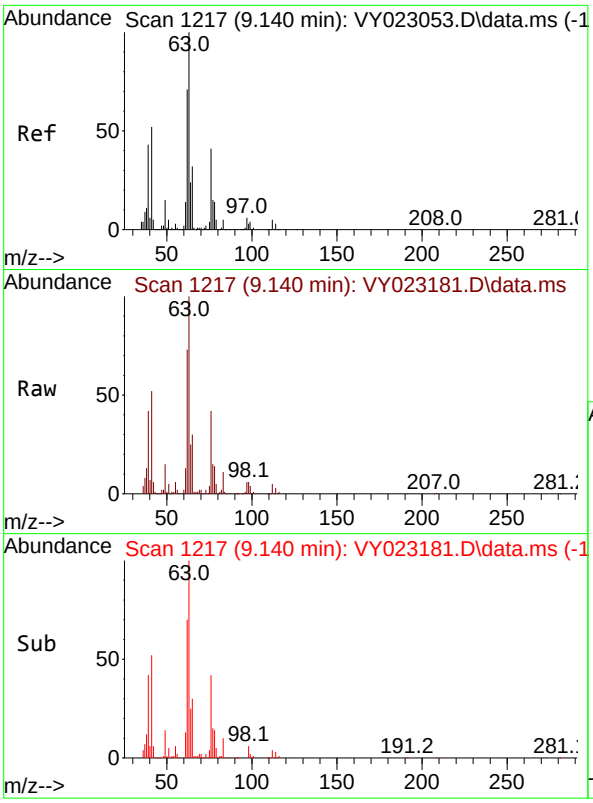


#44
Trichloroethene
Concen: 50.380 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:130 Resp: 243042

Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	190.2



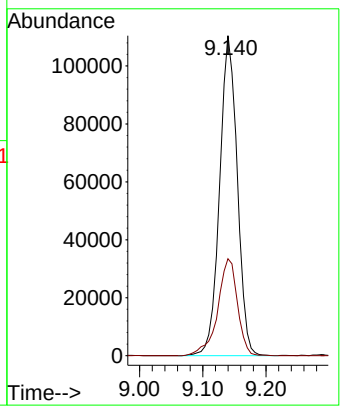


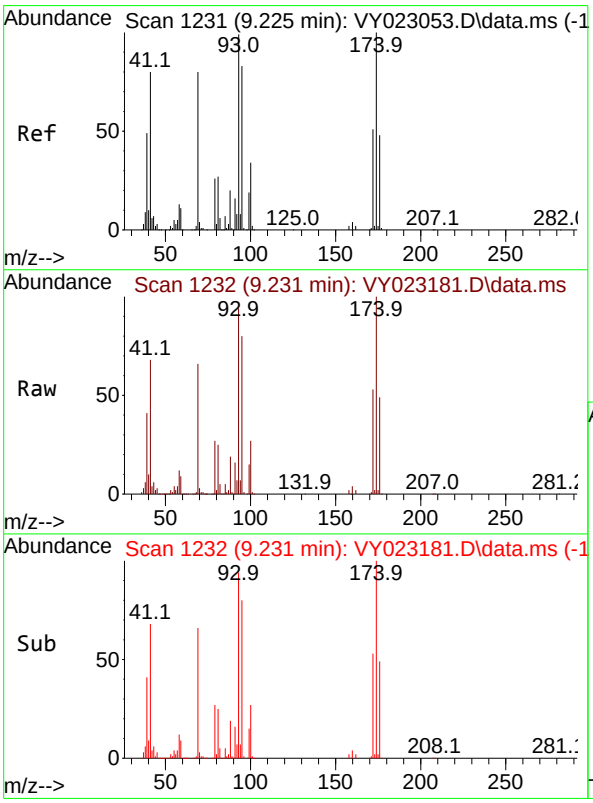
#45
1,2-Dichloropropane
Concen: 49.651 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 213263

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.3	37.9

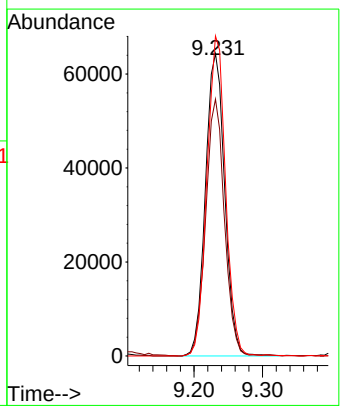


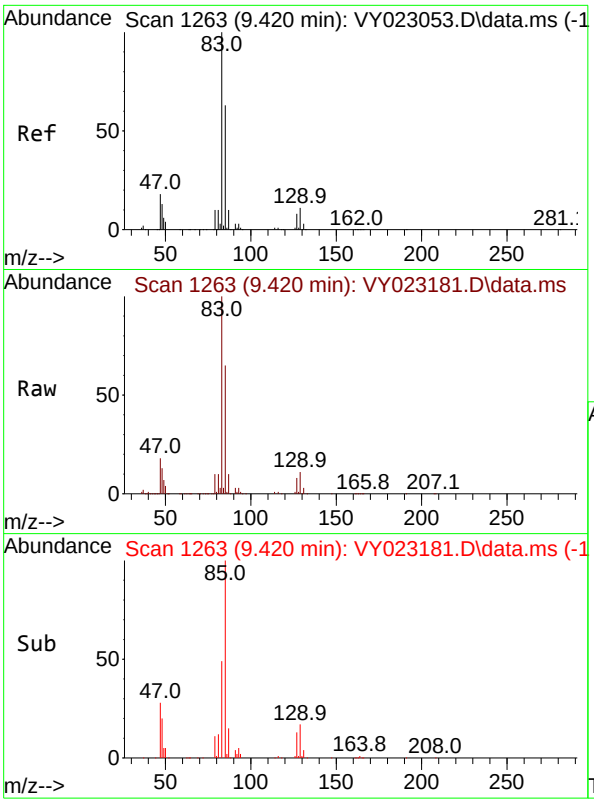


#46
Dibromomethane
Concen: 51.057 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 93 Resp: 125873

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.5	99.7
174	102.2	81.8	122.8



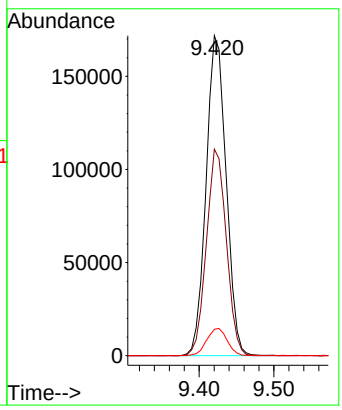


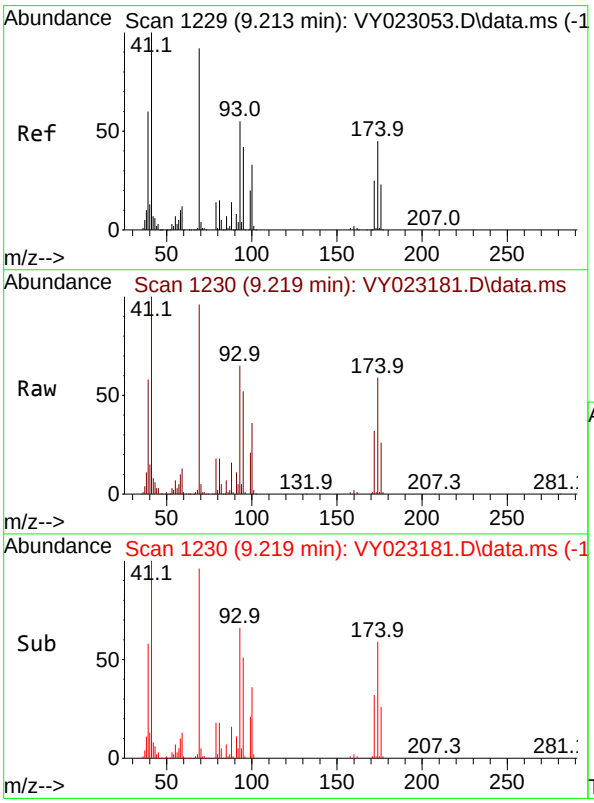
#47
Bromodichloromethane
Concen: 50.434 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 319939

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4
127	8.2	6.6	10.0

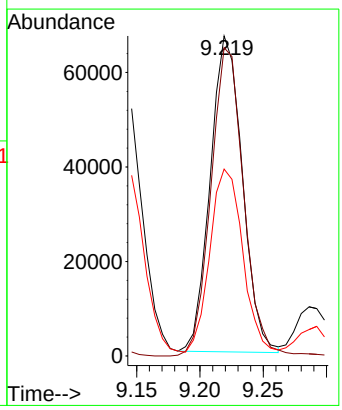


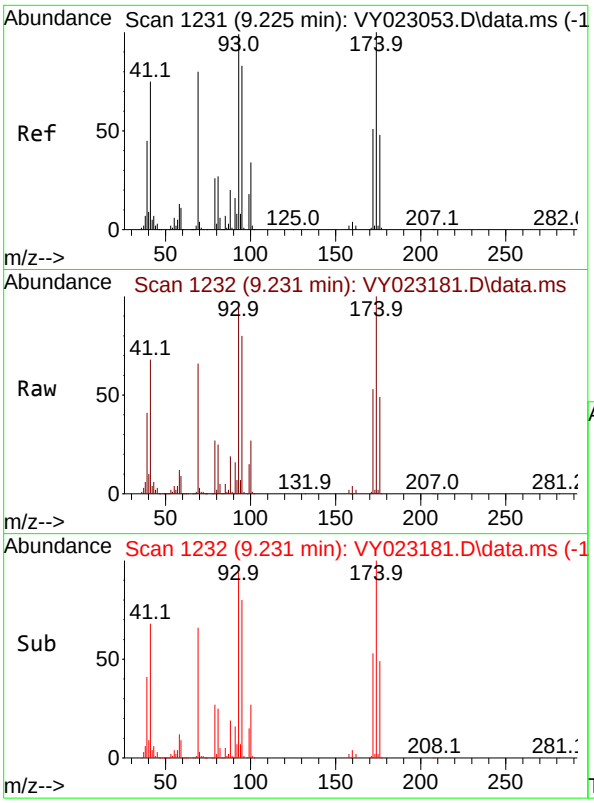


#48
Methyl methacrylate
Concen: 47.928 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 117938

Ion	Ratio	Lower	Upper
41	100		
69	99.5	73.2	109.8
39	59.2	47.0	70.4



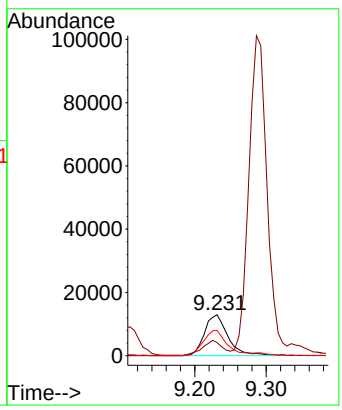


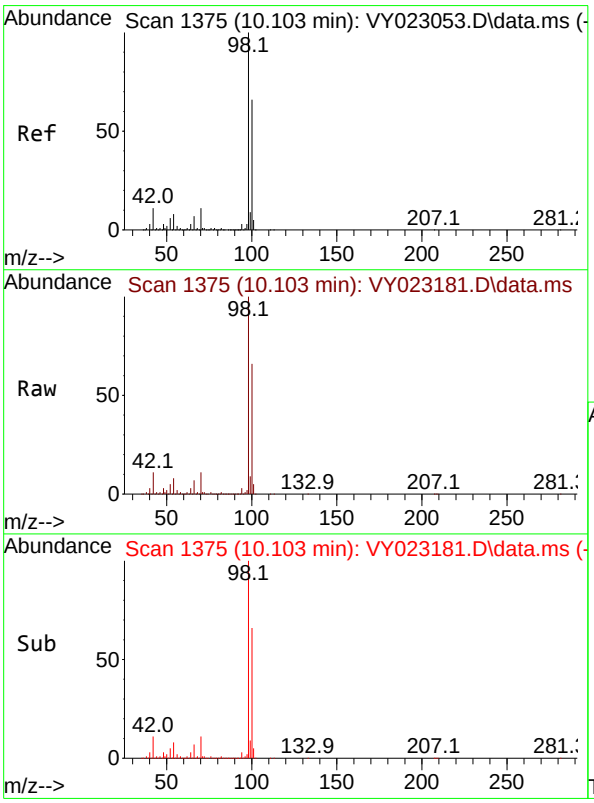
#49
1,4-Dioxane
Concen: 1025.325 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 29639

Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.3	36.5
58	66.8	55.4	83.0

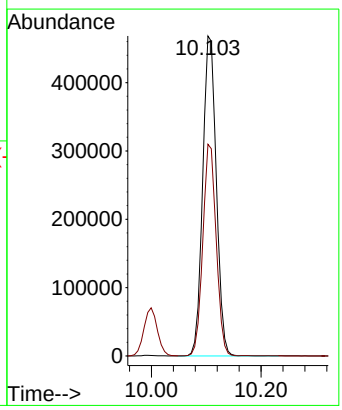


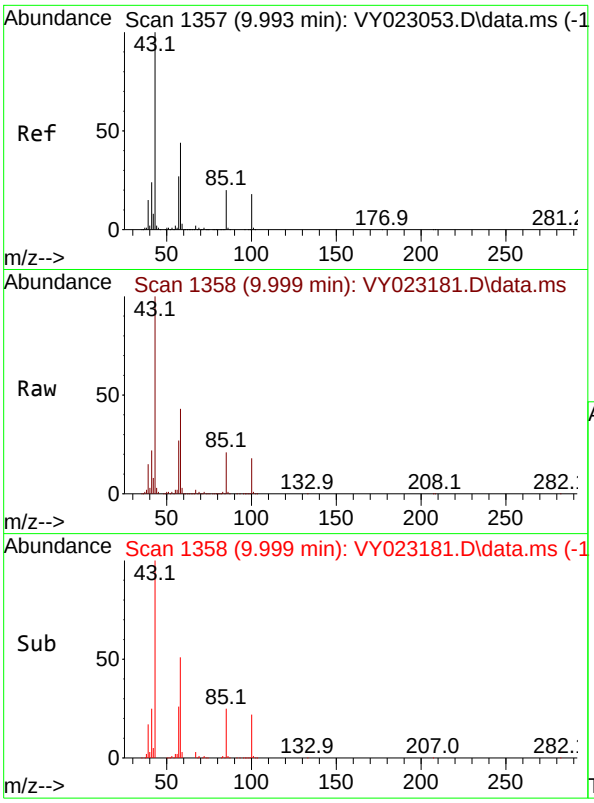


#50
Toluene-d8
Concen: 50.496 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 98 Resp: 803956

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5



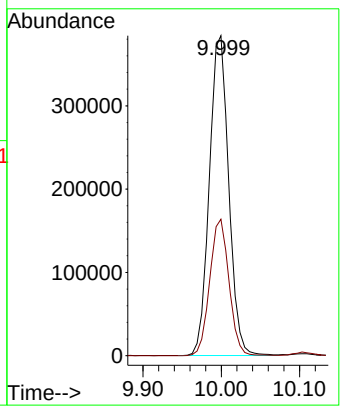


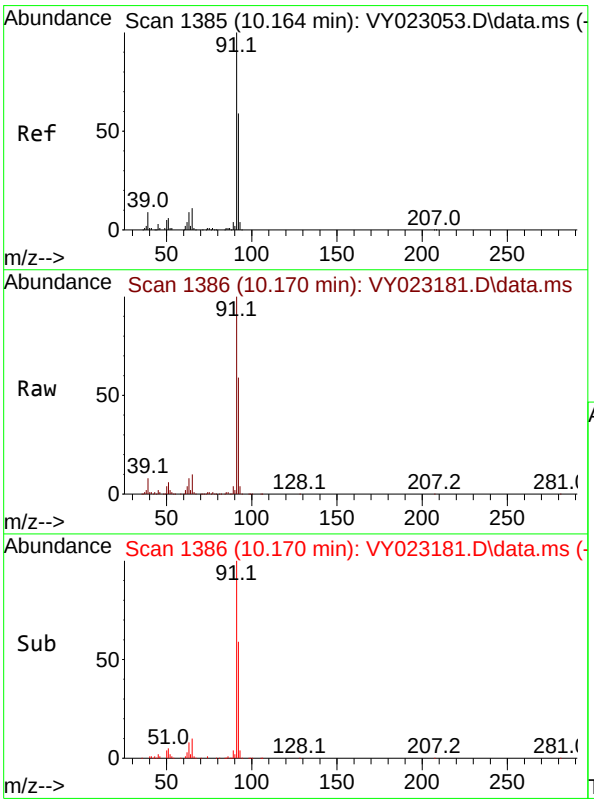
#51
4-Methyl-2-Pentanone
Concen: 248.855 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 660107

Ion	Ratio	Lower	Upper
43	100		
58	42.4	33.5	50.3

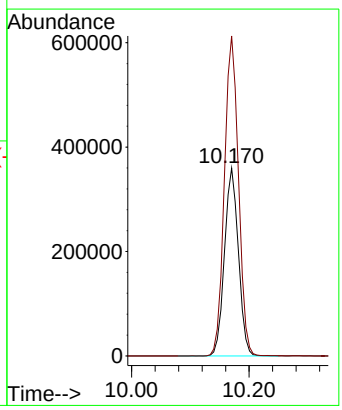


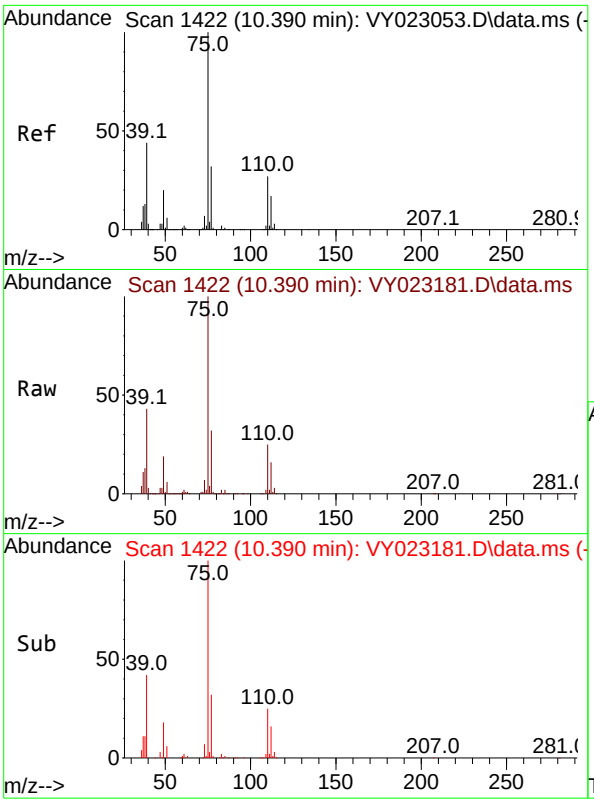


#52
Toluene
Concen: 49.880 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 92 Resp: 591391

Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.4	204.6



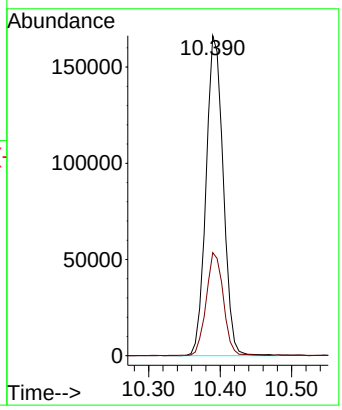


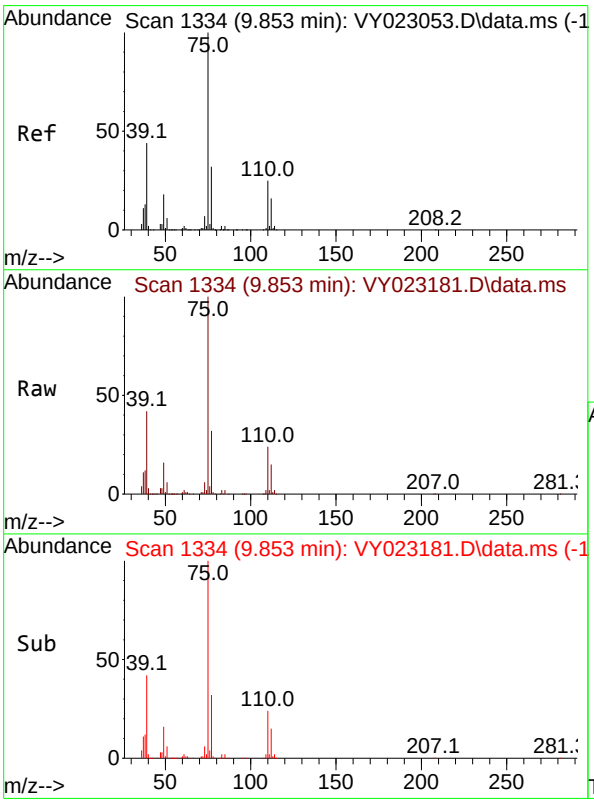
#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 277440

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

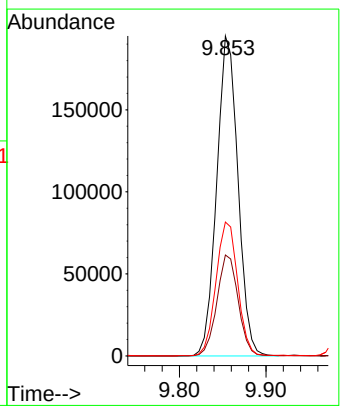


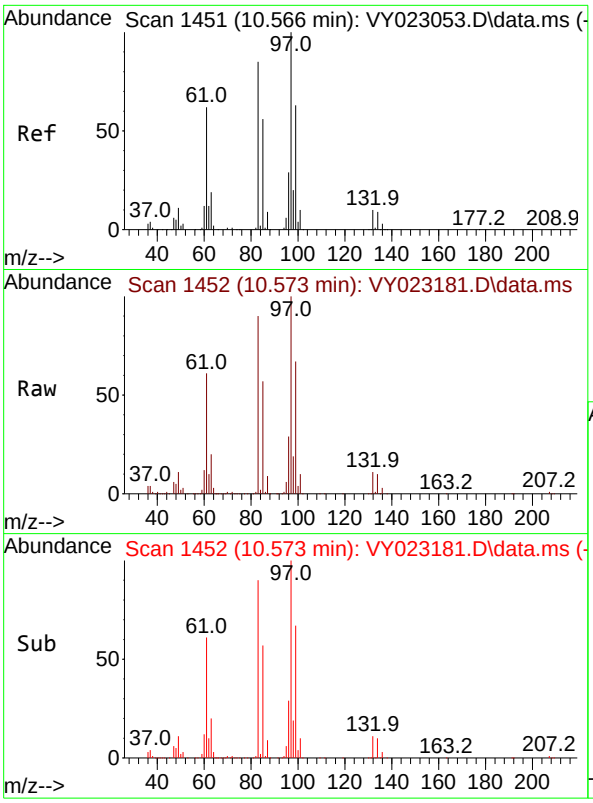


#54
cis-1,3-Dichloropropene
Concen: 48.898 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 332155

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	41.8	35.6	53.4



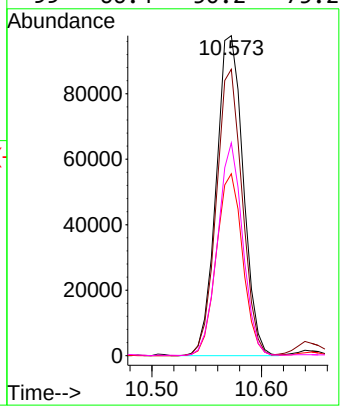


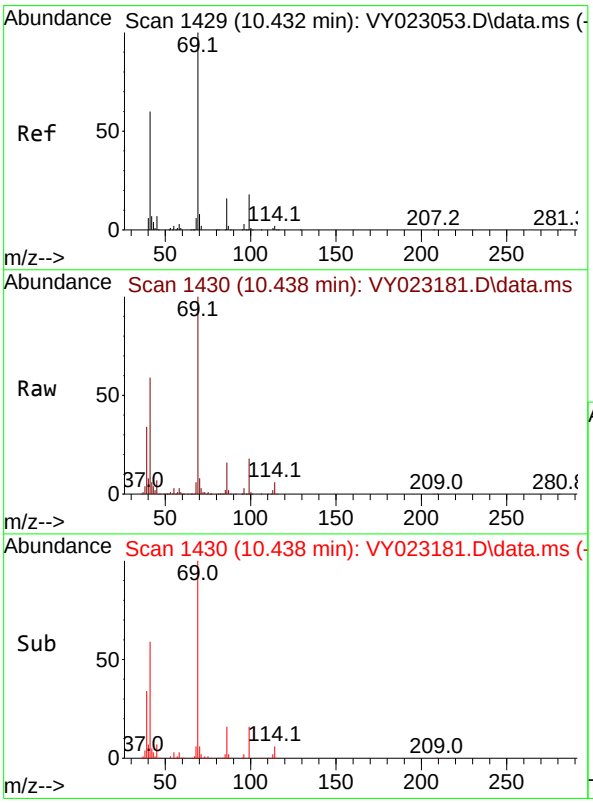
#55
1,1,2-Trichloroethane
Concen: 50.825 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 167667

Ion	Ratio	Lower	Upper
97	100		
83	89.5	67.7	101.5
85	56.8	44.5	66.7
99	66.4	50.2	75.2

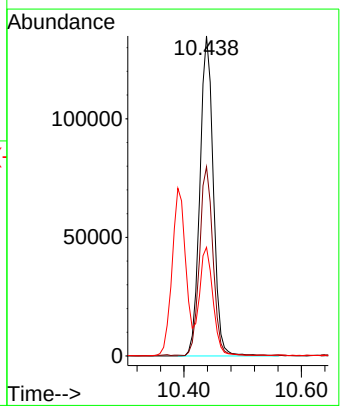


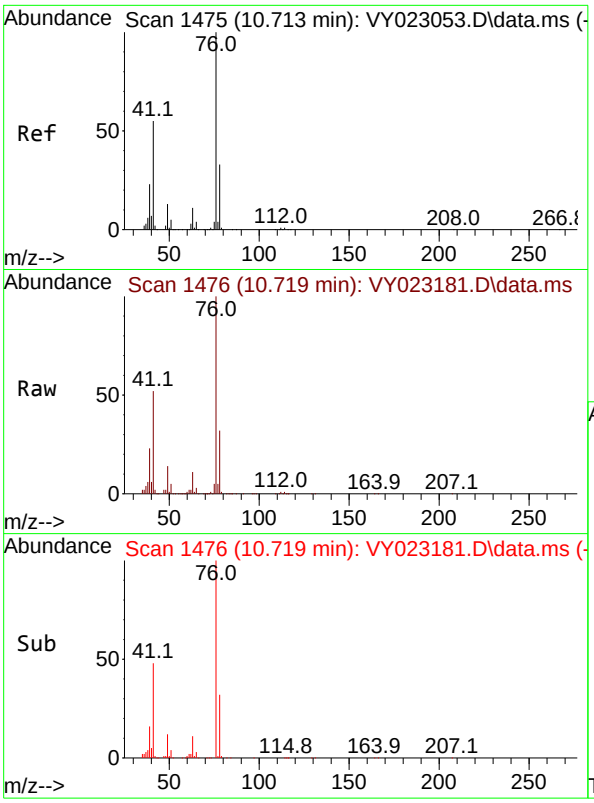


#56
Ethyl methacrylate
Concen: 50.756 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 69 Resp: 214252

Ion	Ratio	Lower	Upper
69	100		
41	58.6	48.6	72.8
39	34.1	27.0	40.4



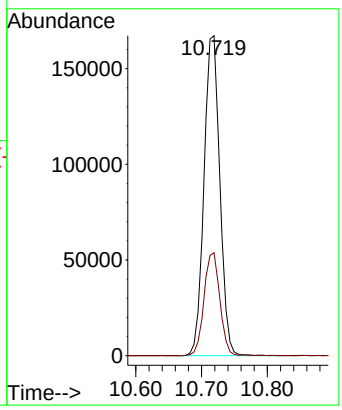


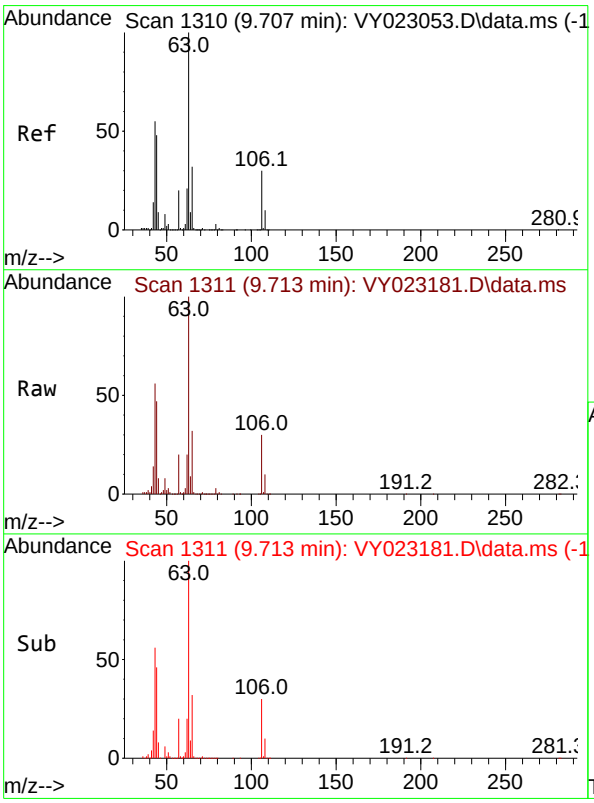
#57
1,3-Dichloropropane
Concen: 50.056 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 280045

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

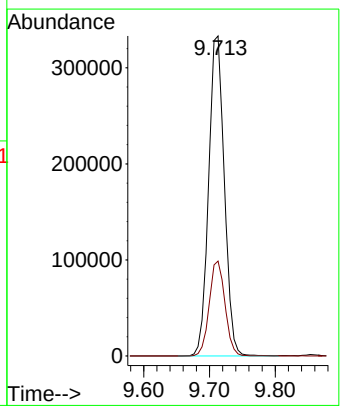


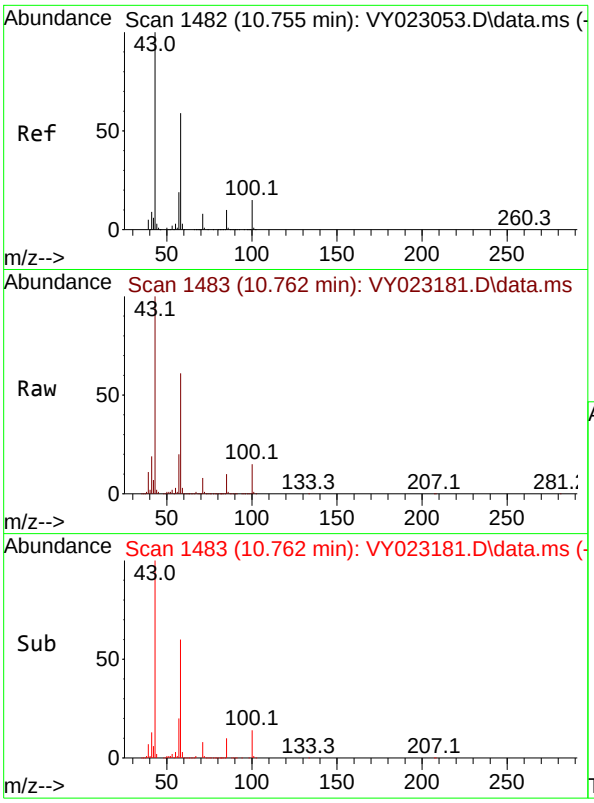


#58
2-Chloroethyl Vinyl ether
Concen: 278.196 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 553935

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.2	34.8



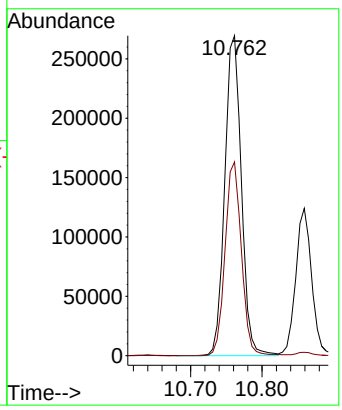


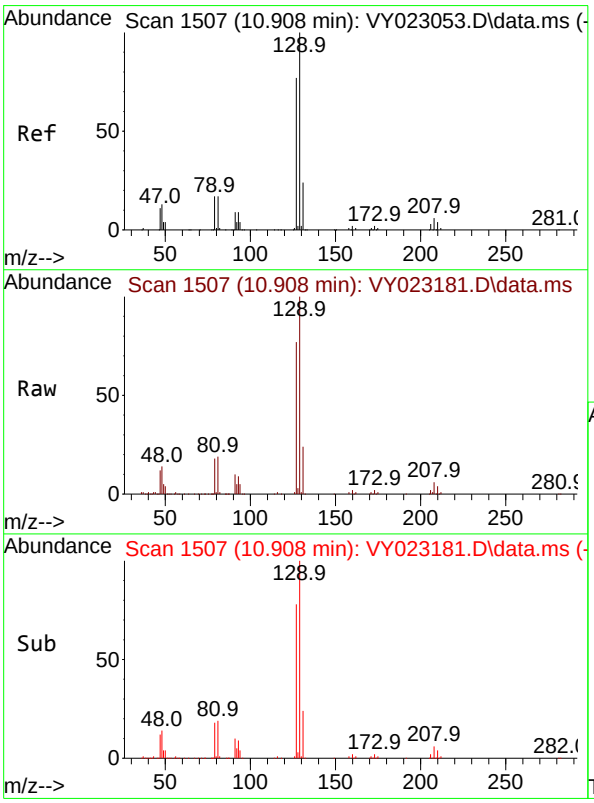
#59
2-Hexanone
Concen: 240.731 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 434814

Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.5	88.5

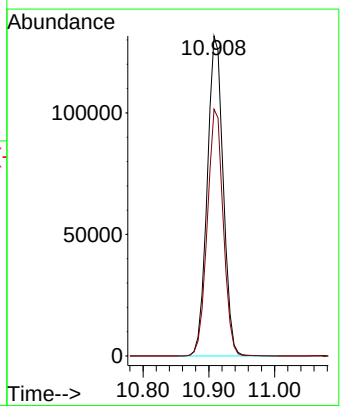


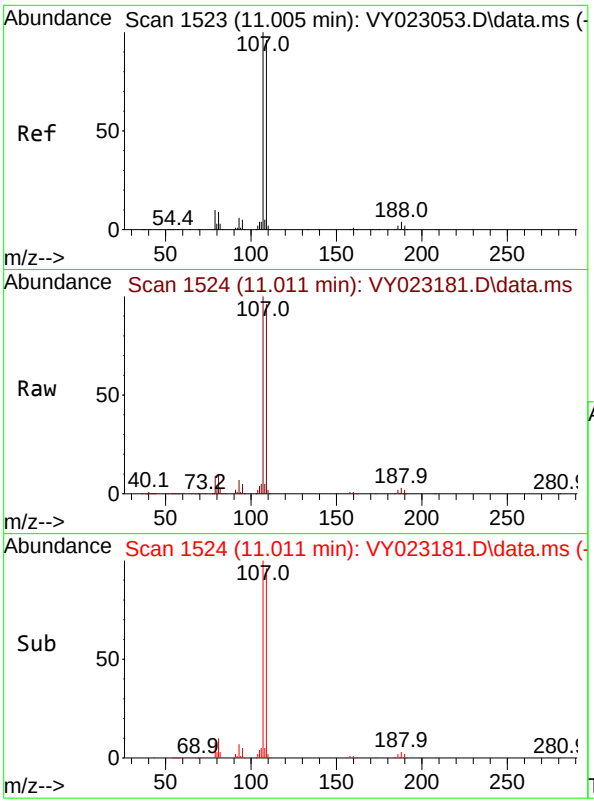


#60
Dibromochloromethane
Concen: 50.987 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:129 Resp: 221938

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



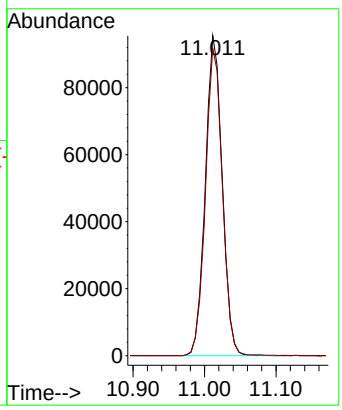


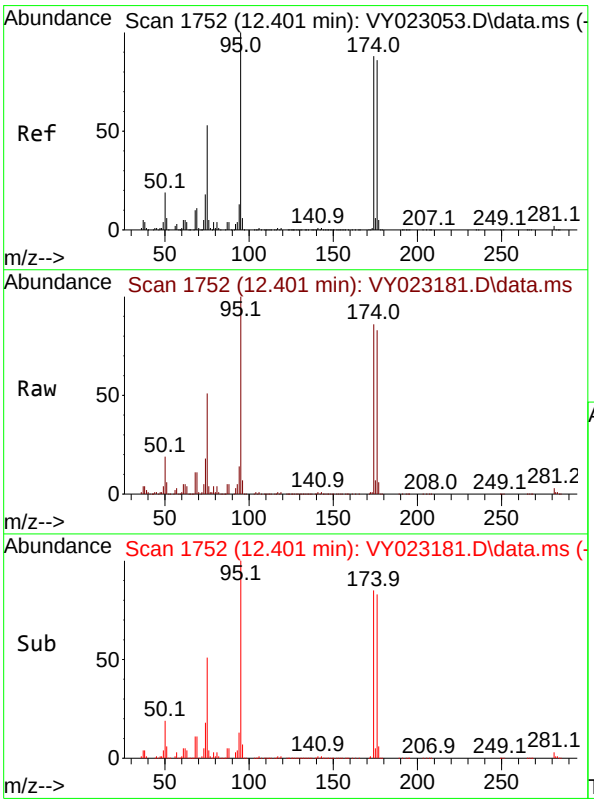
#61
1,2-Dibromoethane
Concen: 50.486 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 156537

Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.6	113.4

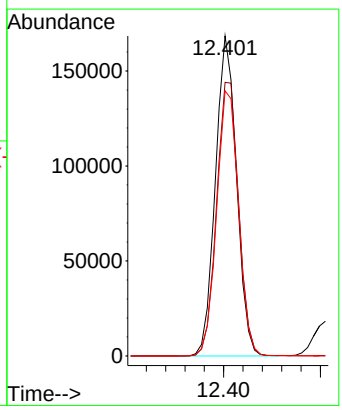


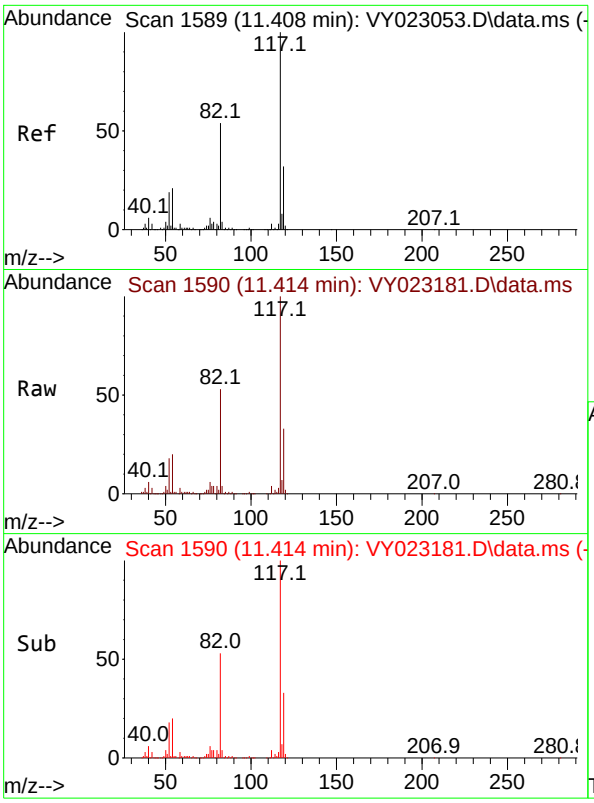


#62
4-Bromofluorobenzene
Concen: 49.709 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 95 Resp: 254520

Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	171.6
176	86.1	0.0	167.6



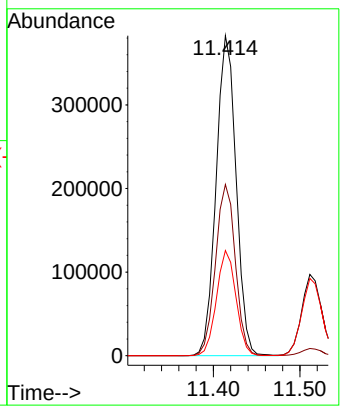


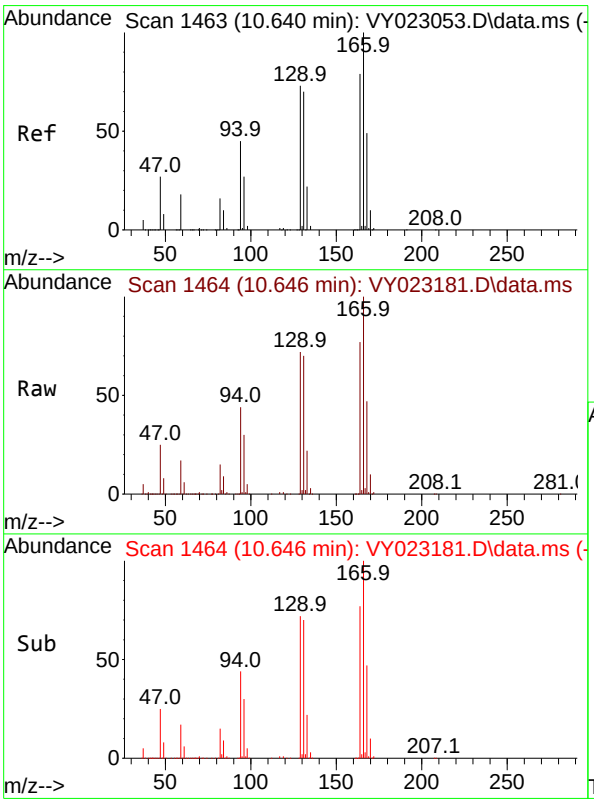
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 612955

Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.4	65.0
119	32.9	25.6	38.4

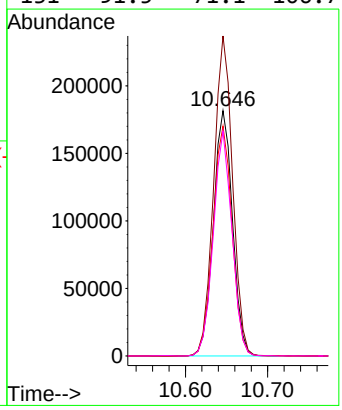


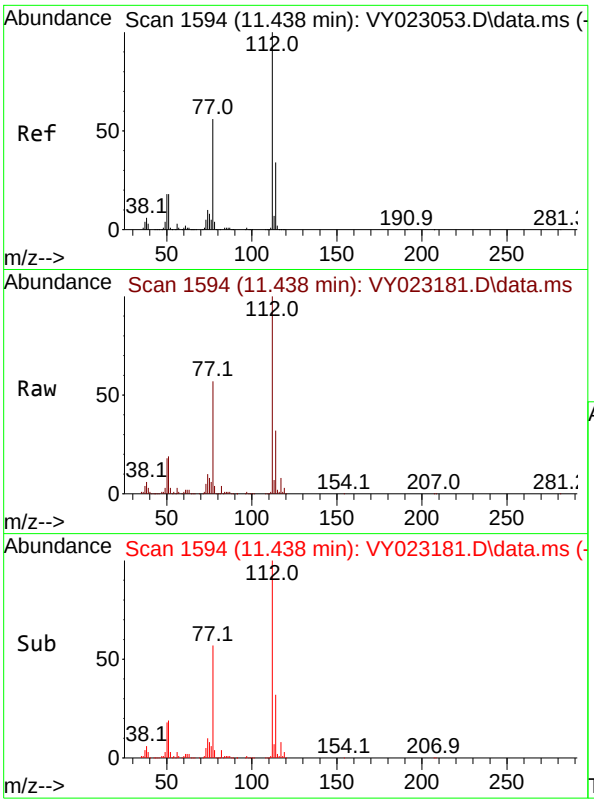


#64
Tetrachloroethene
Concen: 53.771 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:164 Resp: 294304

Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.1	151.7
129	93.6	74.0	111.0
131	91.5	71.1	106.7



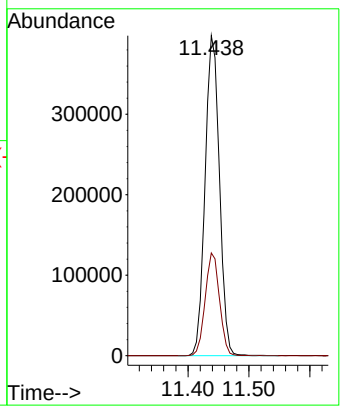


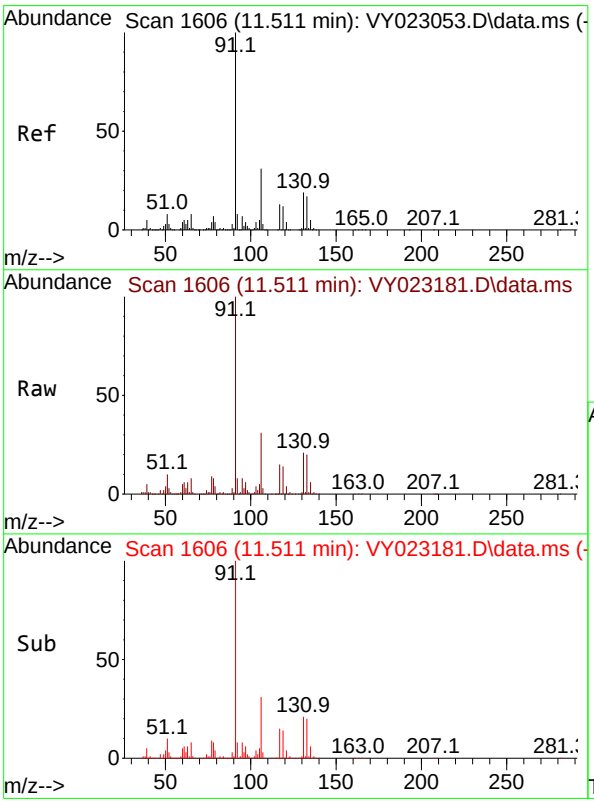
#65
Chlorobenzene
Concen: 49.109 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 649300

Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.4

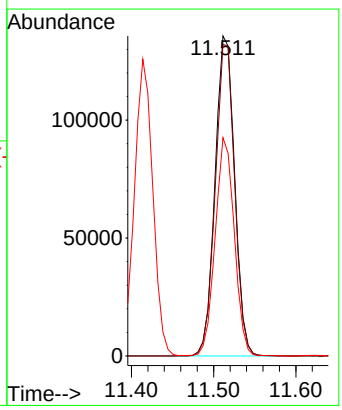


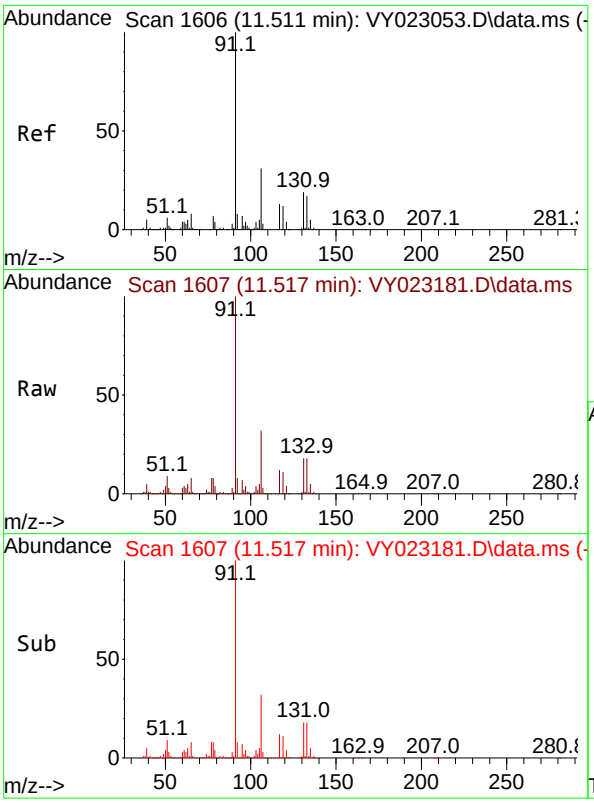


#66
1,1,1,2-Tetrachloroethane
Concen: 49.973 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:131 Resp: 224242

Ion	Ratio	Lower	Upper
131	100		
133	96.4	46.9	140.6
119	66.7	33.2	99.6



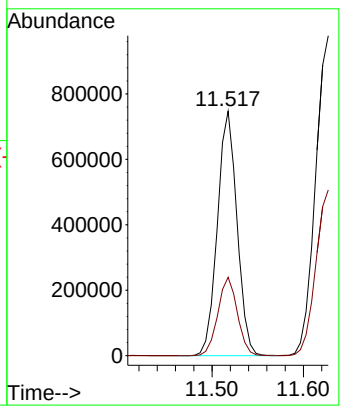


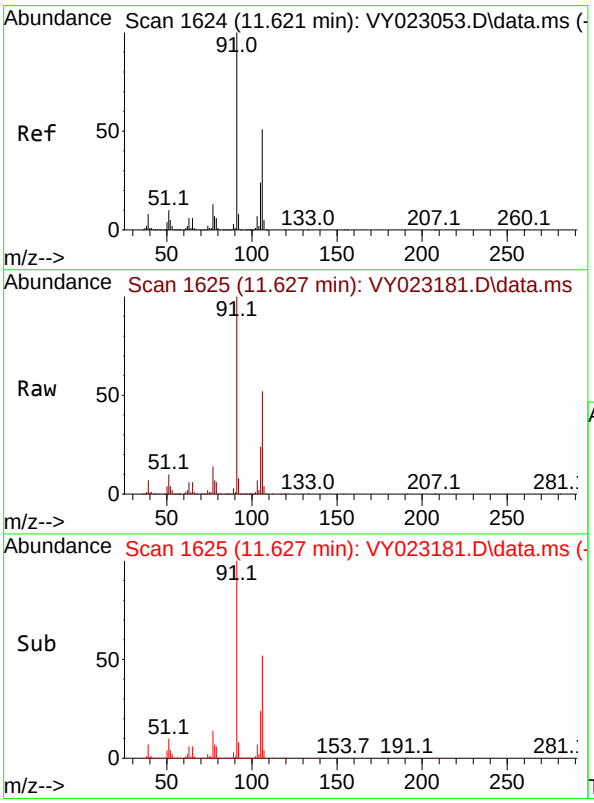
#67
Ethyl Benzene
Concen: 48.982 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1114480

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.0	37.4

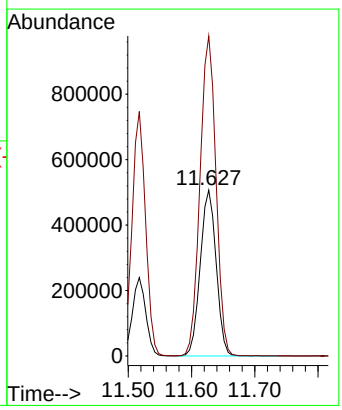


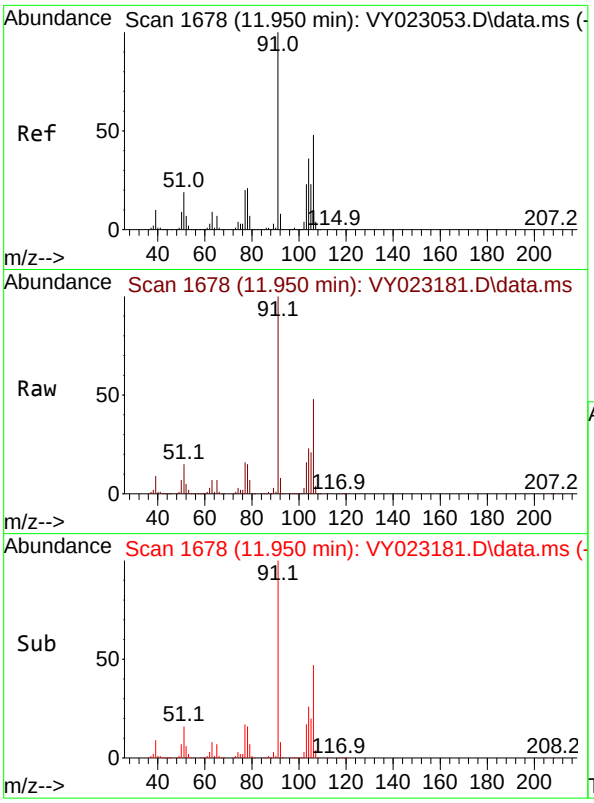


#68
m/p-Xylenes
Concen: 99.741 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:106 Resp: 886344

Ion	Ratio	Lower	Upper
106	100		
91	193.7	158.6	238.0



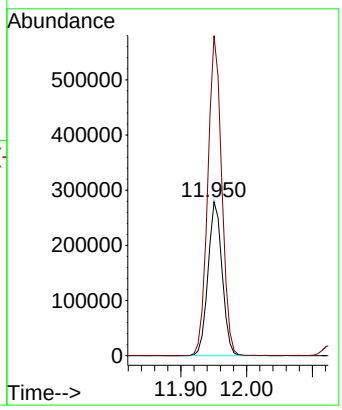


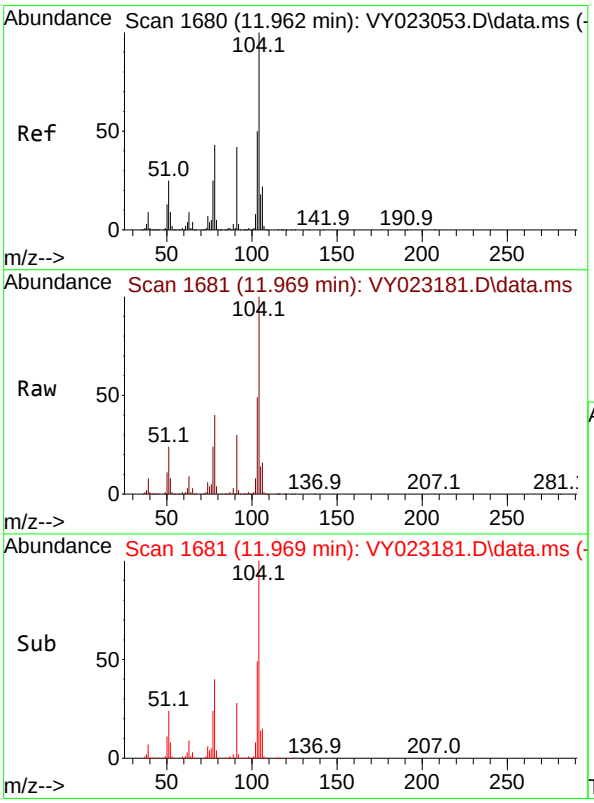
#69
o-Xylene
Concen: 49.995 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 416104

Ion	Ratio	Lower	Upper
106	100		
91	206.0	103.2	309.4

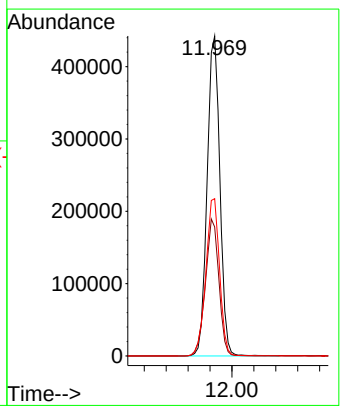


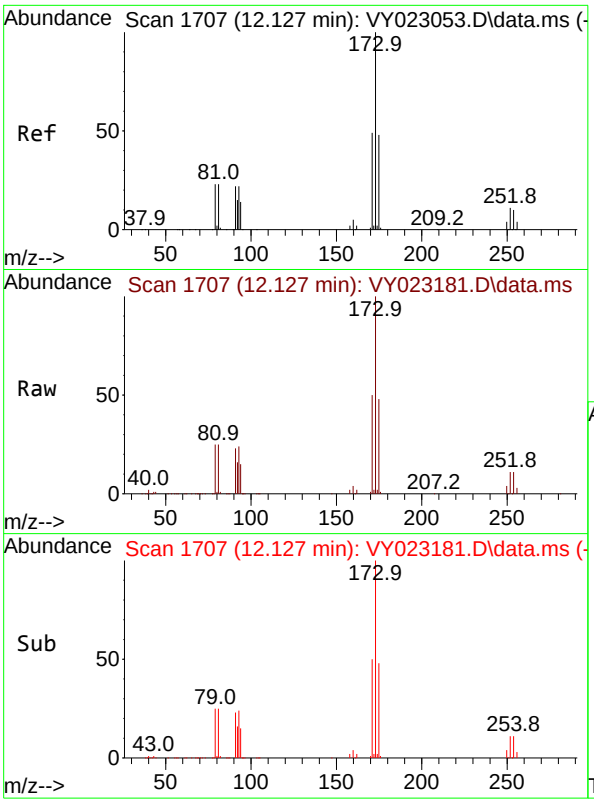


#70
Styrene
Concen: 52.202 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:104 Resp: 710534

Ion	Ratio	Lower	Upper
104	100		
78	45.3	38.5	57.7
103	52.9	43.7	65.5



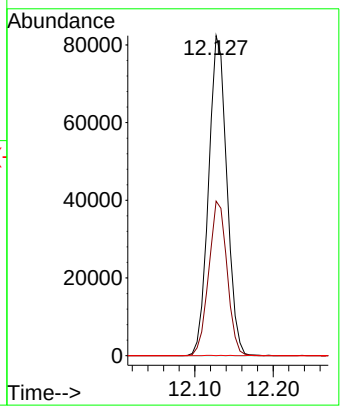


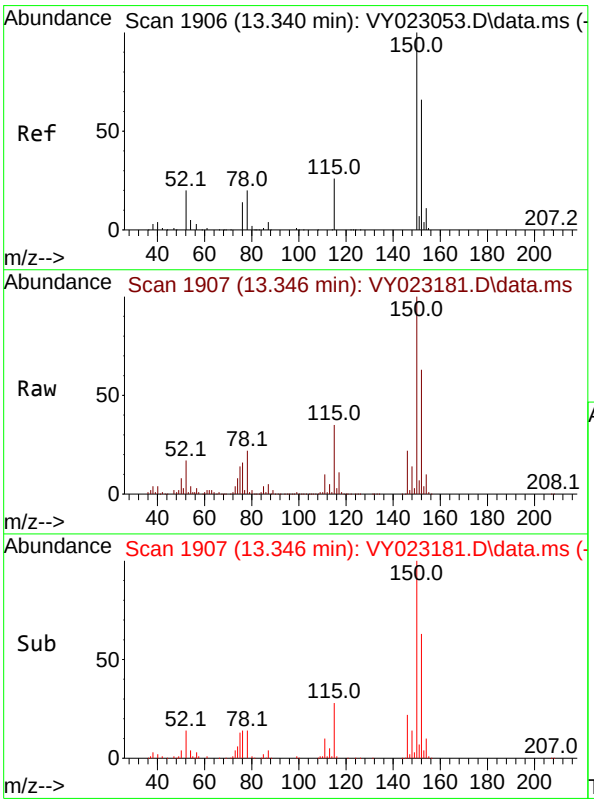
#71
Bromoform
Concen: 50.729 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 133042

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.0	0.1	0.1#

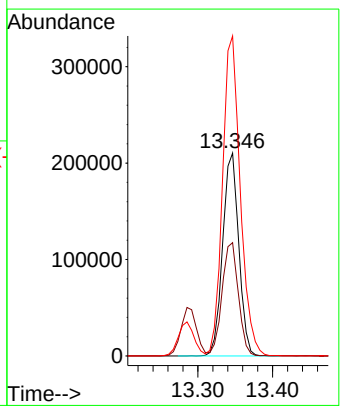


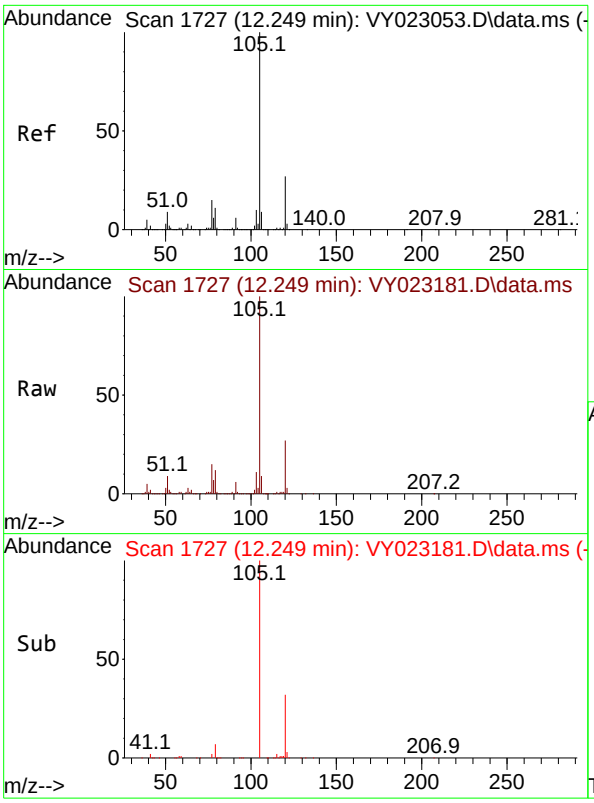


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:152 Resp: 314994

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.2	84.6
150	173.8	0.0	348.0



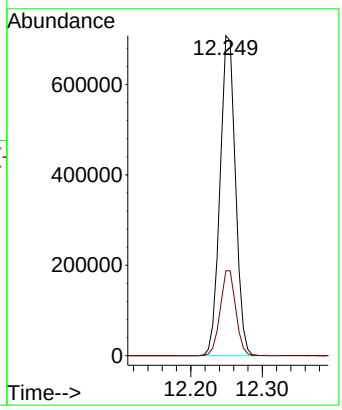


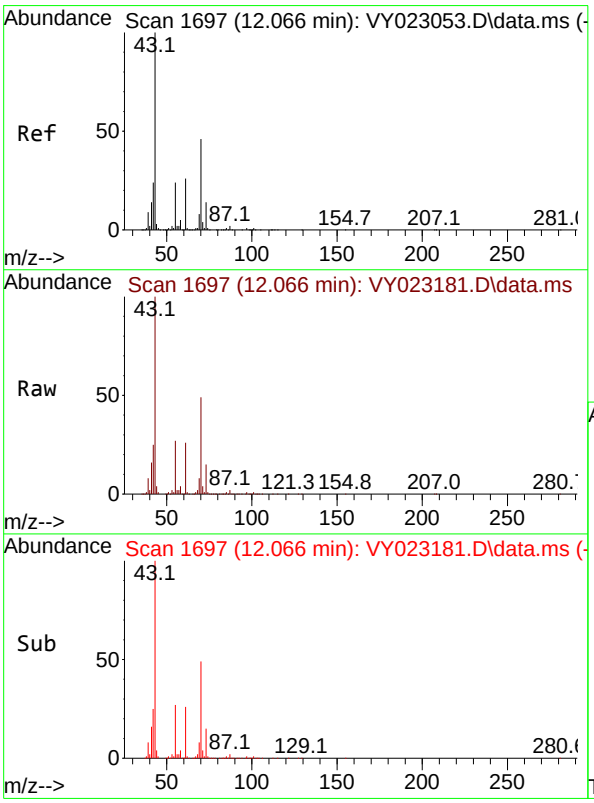
#73
Isopropylbenzene
Concen: 47.807 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1062843

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

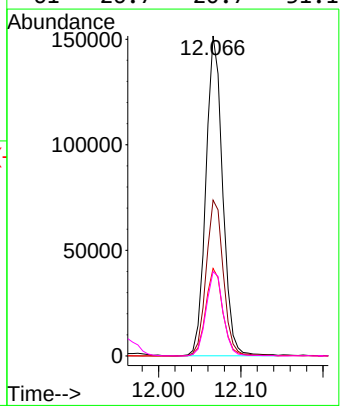


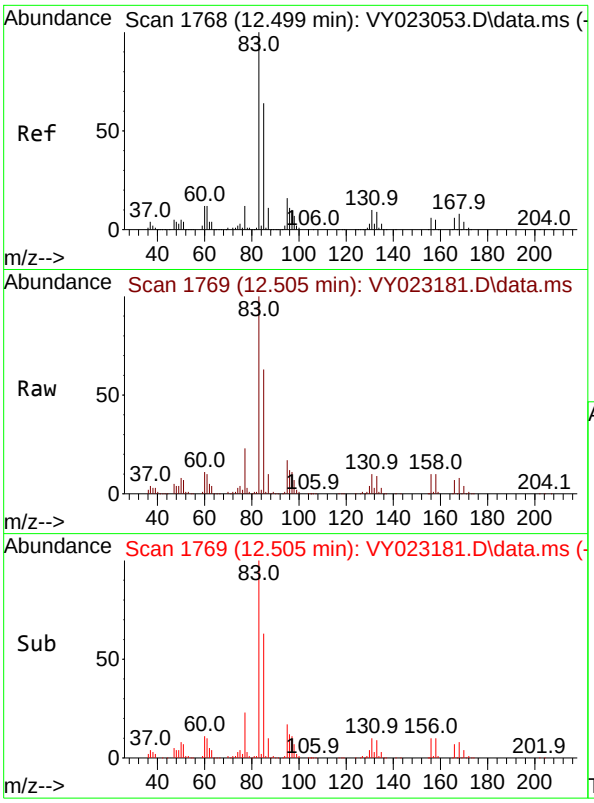


#74
N-amyl acetate
Concen: 45.570 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 214847

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.5	56.3
55	28.0	20.7	31.1
61	26.7	20.7	31.1



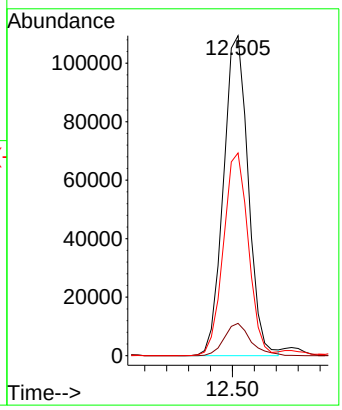


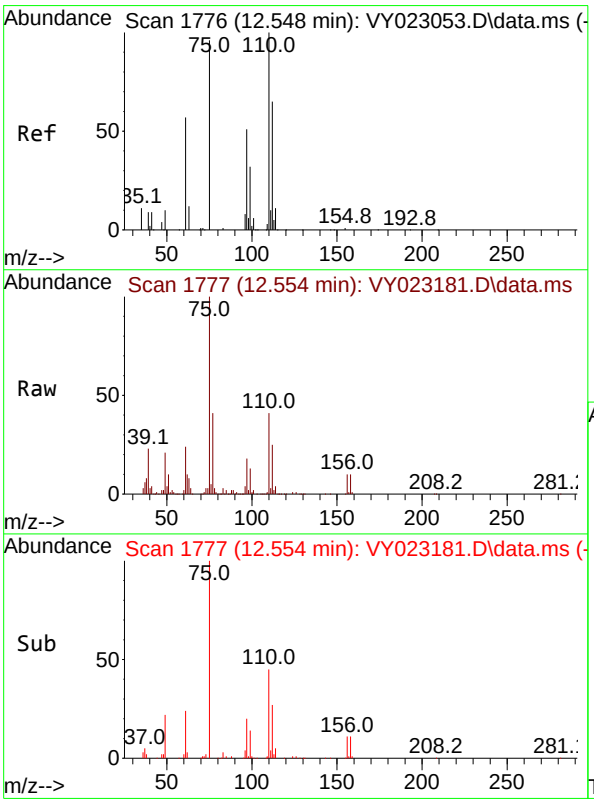
#75
1,1,2,2-Tetrachloroethane
Concen: 45.136 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 171339

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	64.1	31.8	95.3

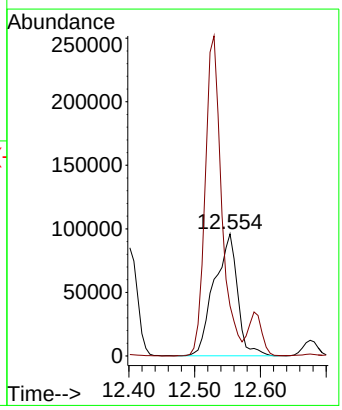


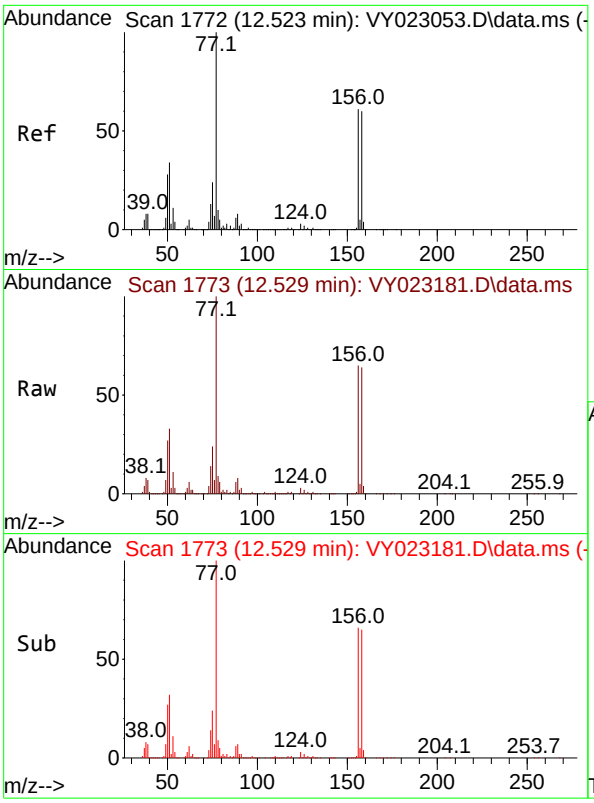


#76
1,2,3-Trichloropropane
Concen: 77.862 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 236703

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



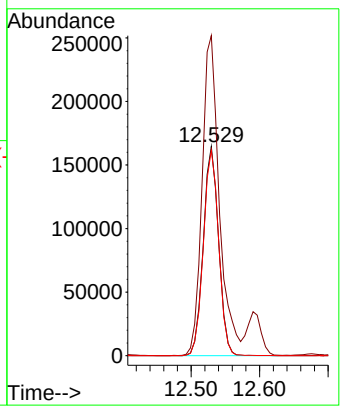


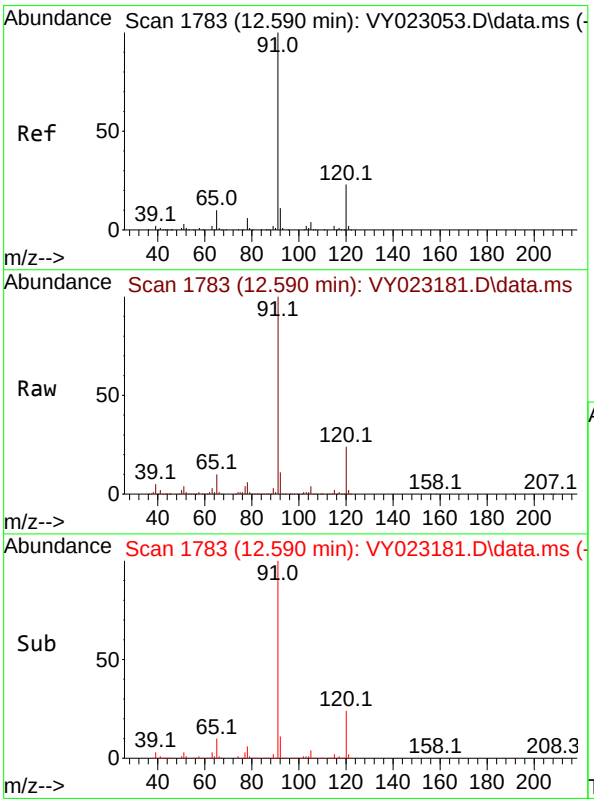
#77
Bromobenzene
Concen: 48.103 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 255129

Ion	Ratio	Lower	Upper
156	100		
77	172.8	88.1	264.4
158	98.6	48.0	144.0

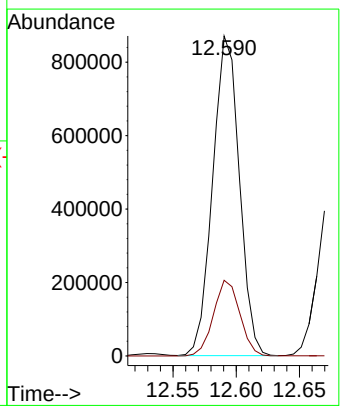


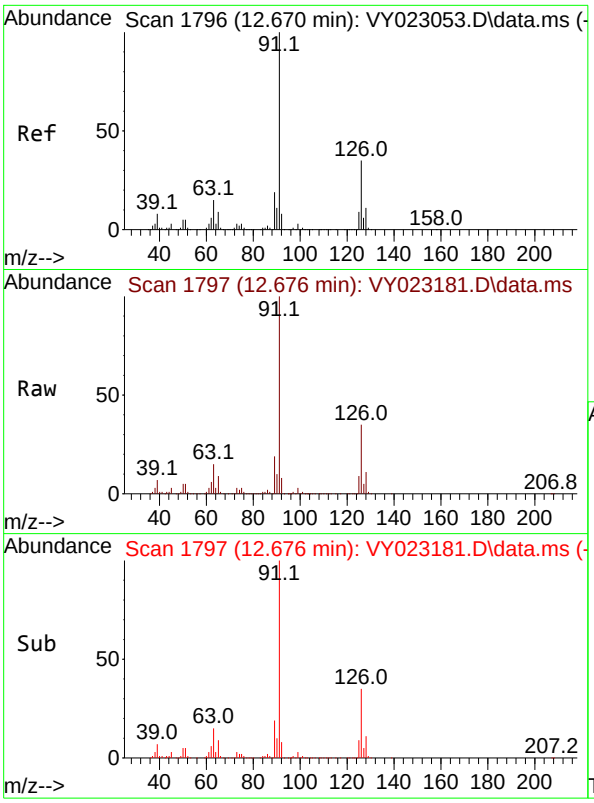


#78
n-propylbenzene
Concen: 48.193 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 1275610

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5



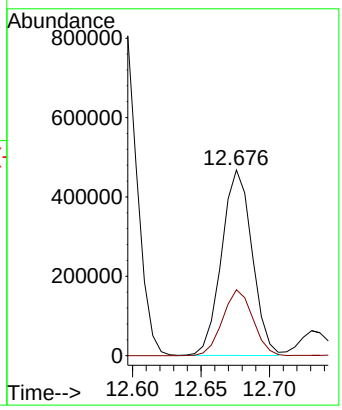


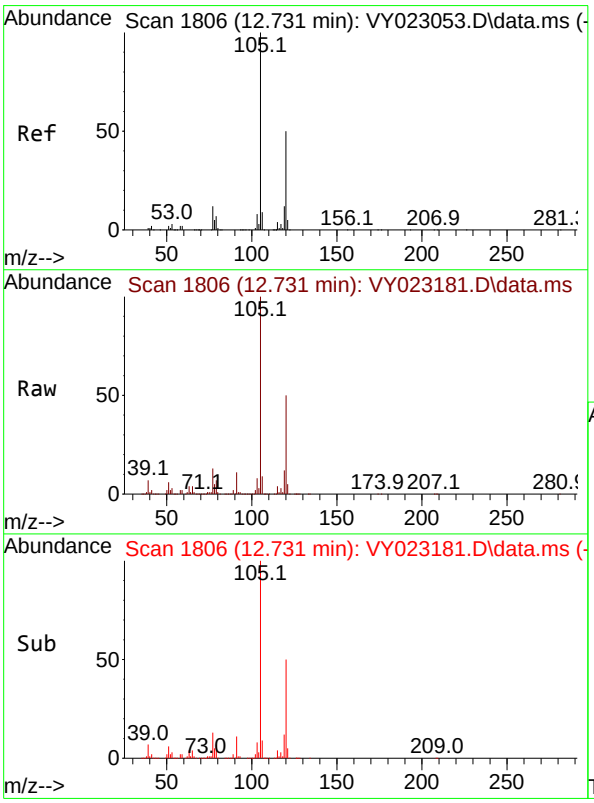
#79
2-Chlorotoluene
Concen: 47.740 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 723999

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3

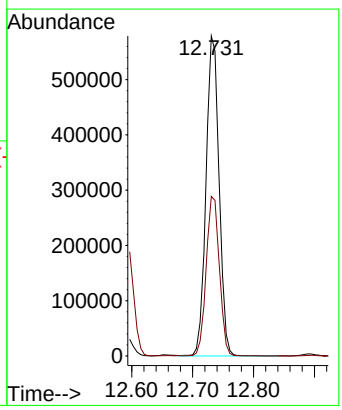


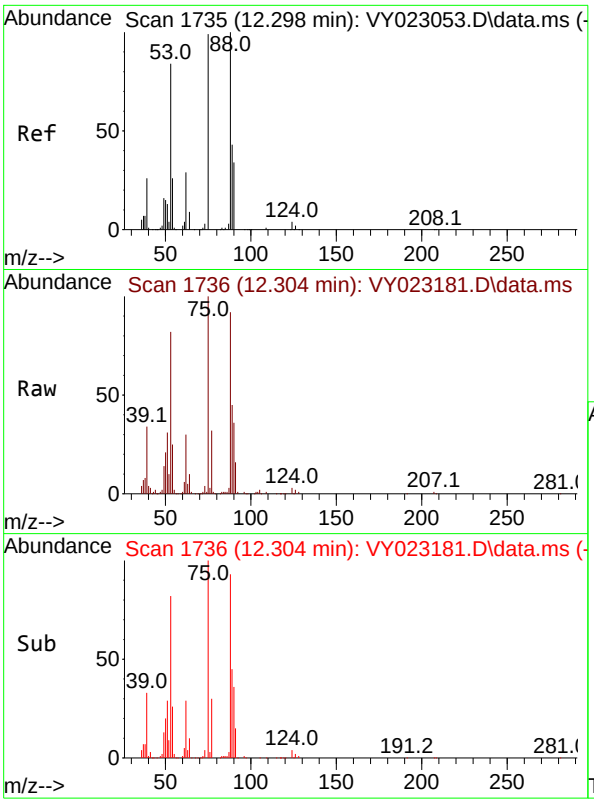


#80
1,3,5-Trimethylbenzene
Concen: 47.993 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:105 Resp: 862323

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.8	74.4



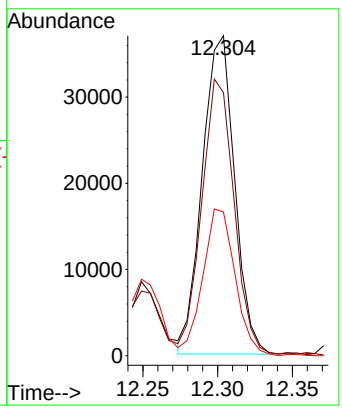


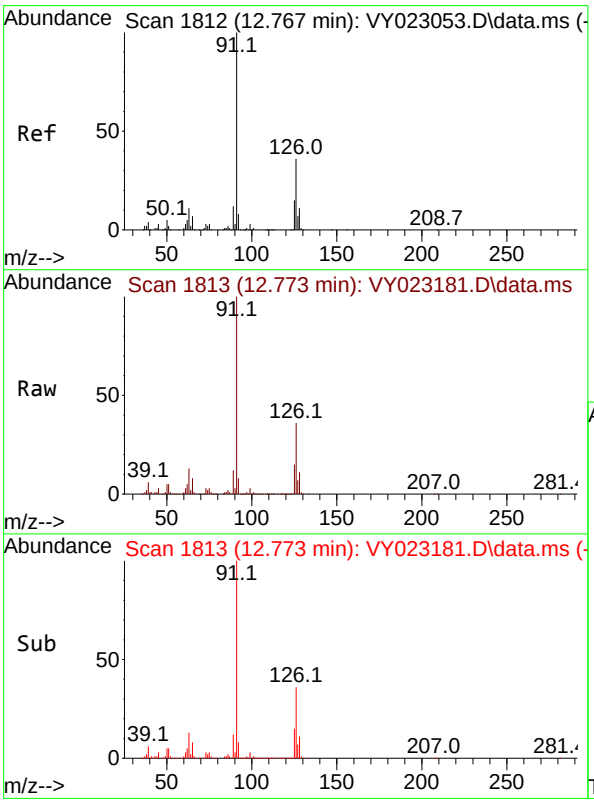
#81
trans-1,4-Dichloro-2-butene
Concen: 44.210 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 55521

Ion	Ratio	Lower	Upper
75	100		
53	86.2	70.8	106.2
89	46.1	38.1	57.1

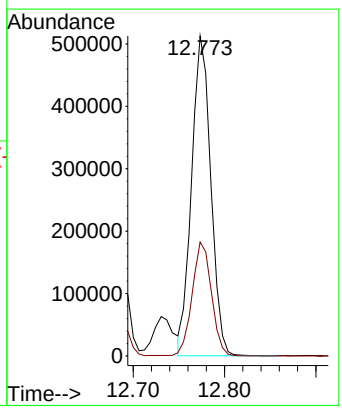


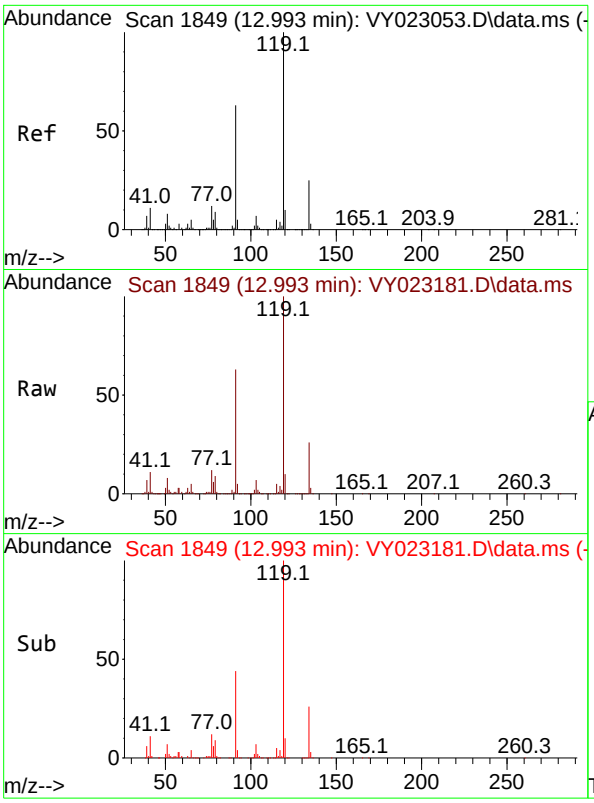


#82
4-Chlorotoluene
Concen: 47.598 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 748821

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.3	52.0



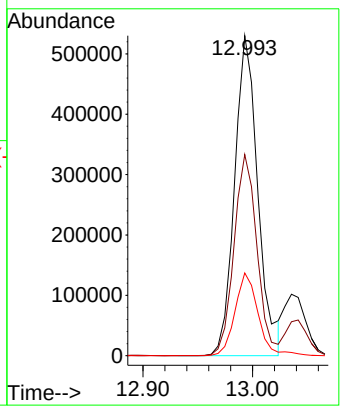


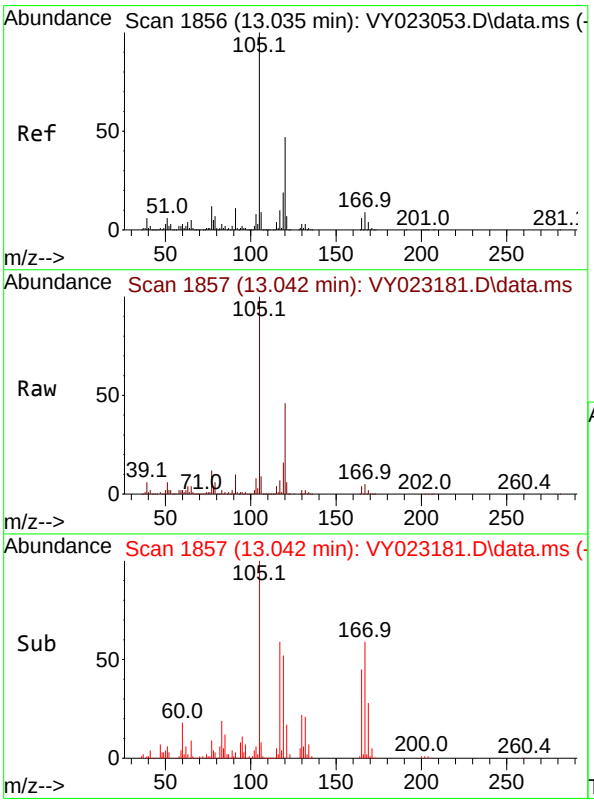
#83
tert-Butylbenzene
Concen: 48.102 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 780594

Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	94.8
134	25.7	12.9	38.7

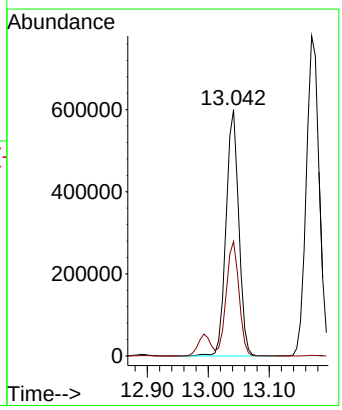


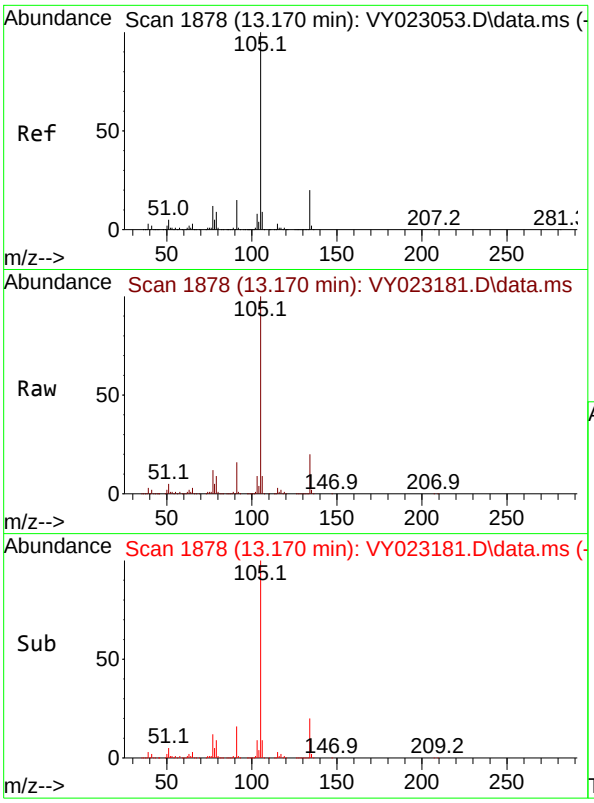


#84
1,2,4-Trimethylbenzene
Concen: 48.604 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:105 Resp: 869337

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0



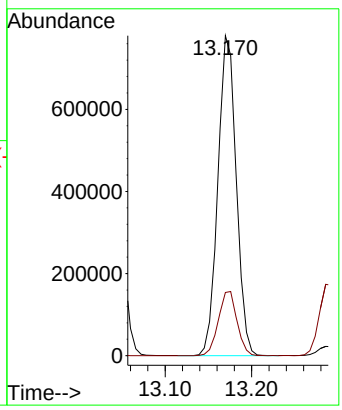


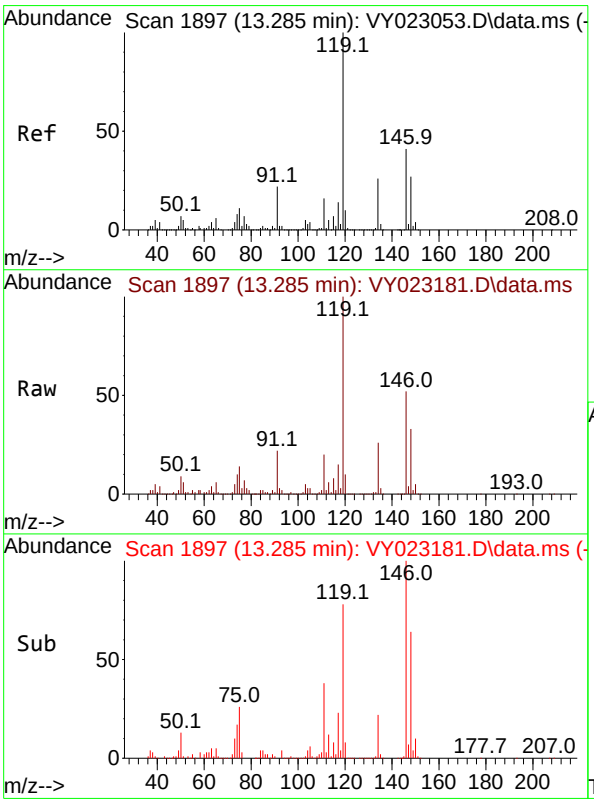
#85
sec-Butylbenzene
Concen: 48.148 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1147774

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

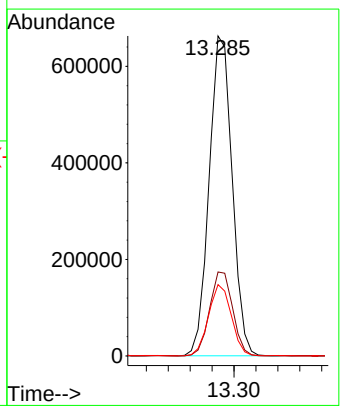


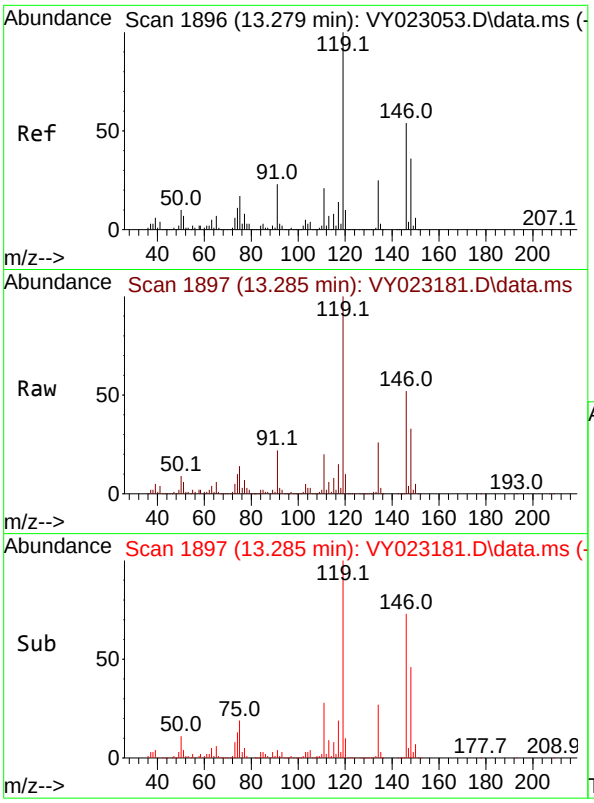


#86
p-Isopropyltoluene
Concen: 48.810 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:119 Resp: 965816

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	22.0	11.3	33.8



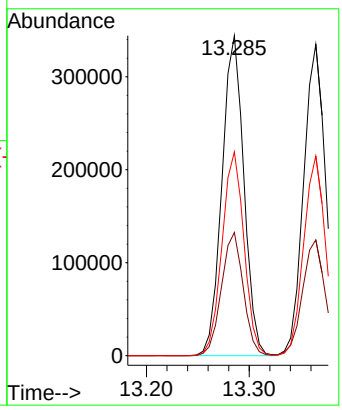


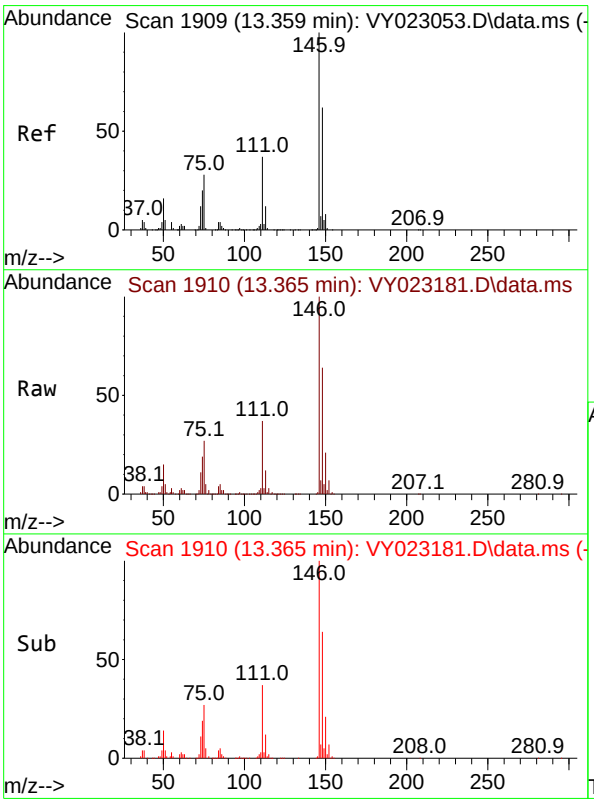
#87
1,3-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 508936

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.9	32.5	97.5

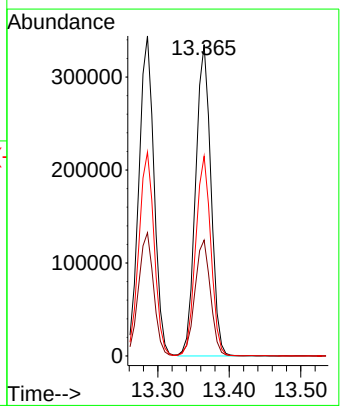


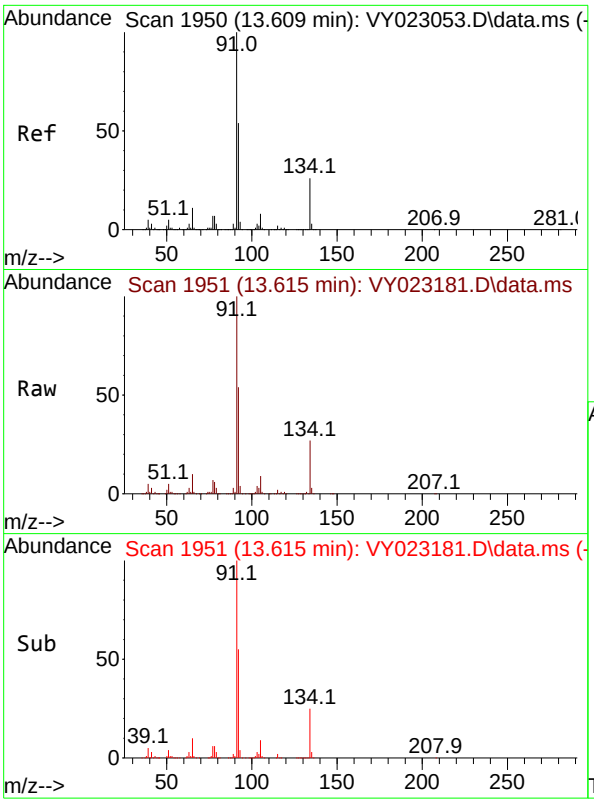


#88
1,4-Dichlorobenzene
Concen: 47.958 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:146 Resp: 497592

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.5	31.6	94.7



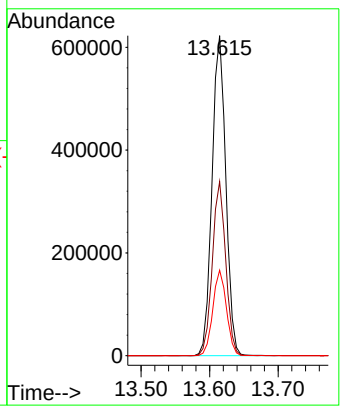


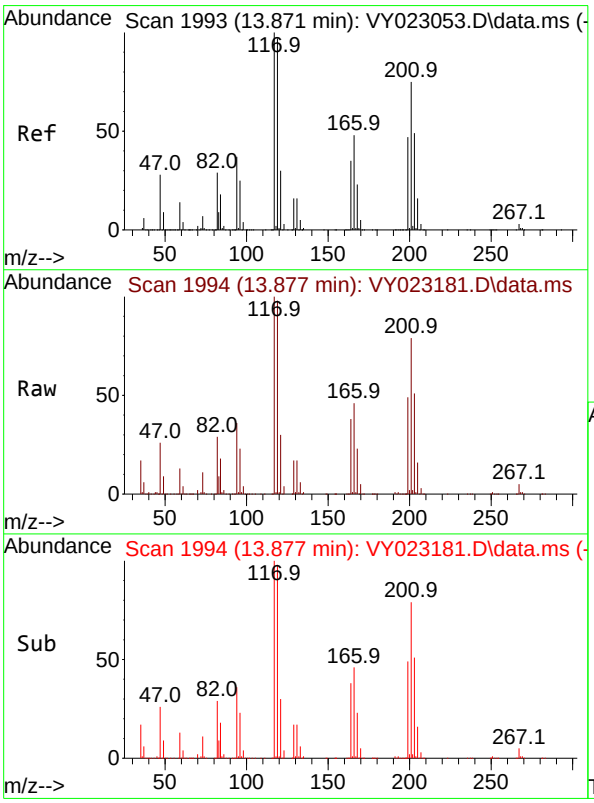
#89
n-Butylbenzene
Concen: 47.858 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 869741

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.7
134	26.5	13.2	39.5

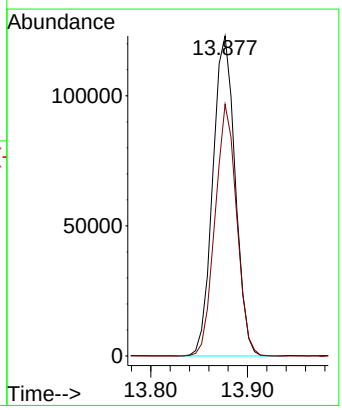


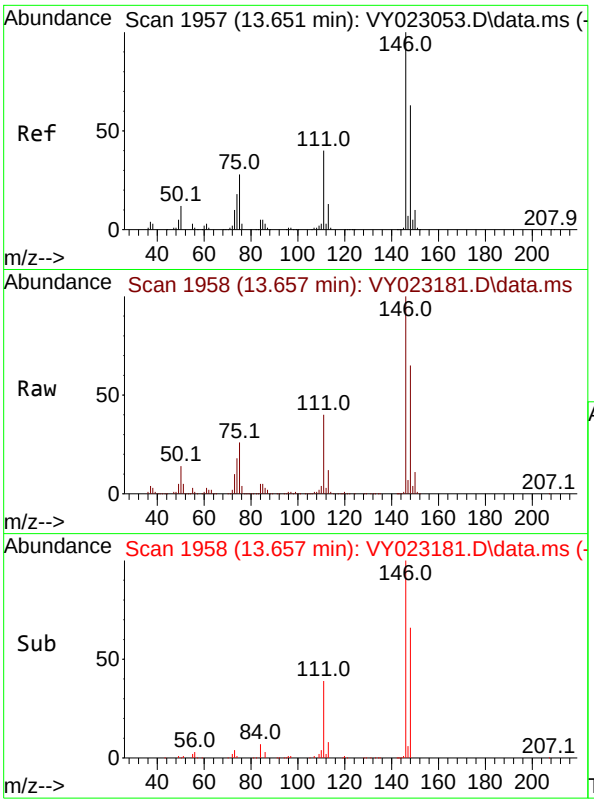


#90
Hexachloroethane
Concen: 48.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:117 Resp: 197634

Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.4	115.1



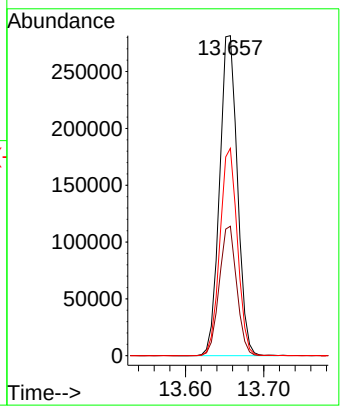


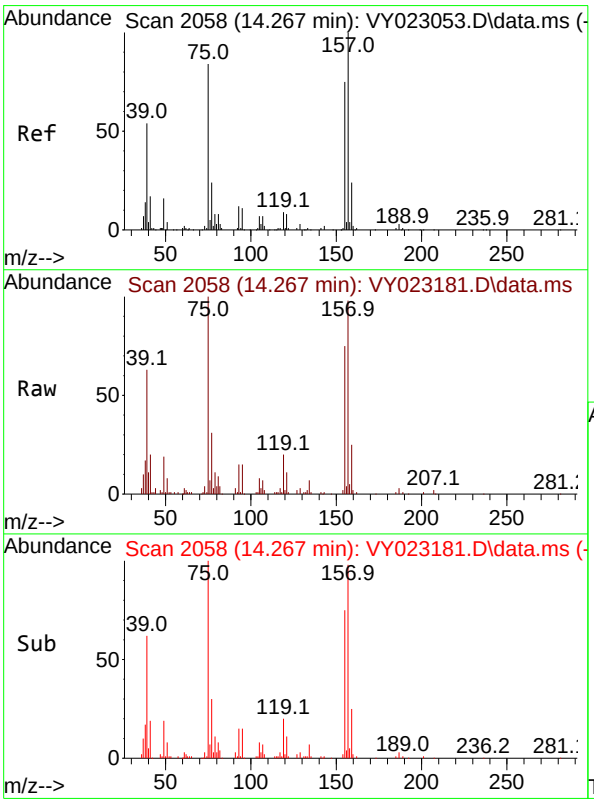
#91
1,2-Dichlorobenzene
Concen: 48.617 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 445962

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	63.8	32.2	96.6

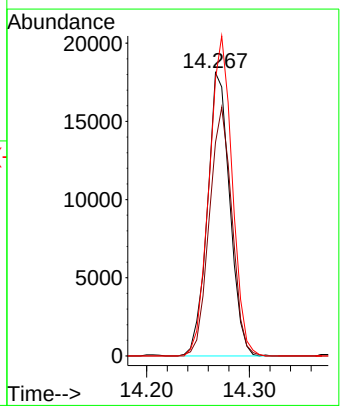


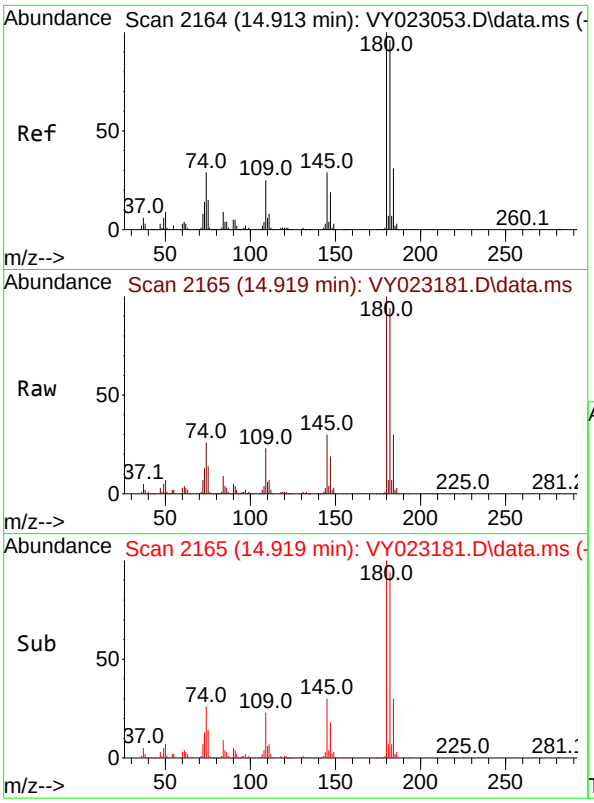


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.349 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 27394

Ion	Ratio	Lower	Upper
75	100		
155	88.4	43.9	131.6
157	116.2	57.2	171.6



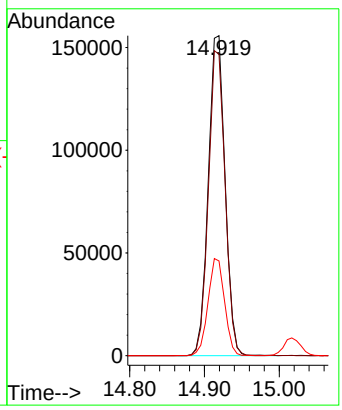


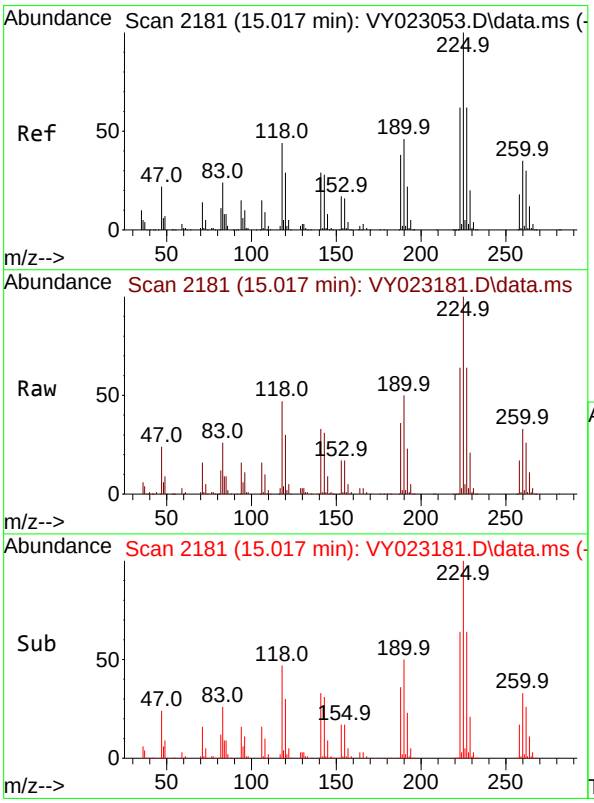
#93
1,2,4-Trichlorobenzene
Concen: 44.759 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 242796

Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.4
145	30.0	14.4	43.4

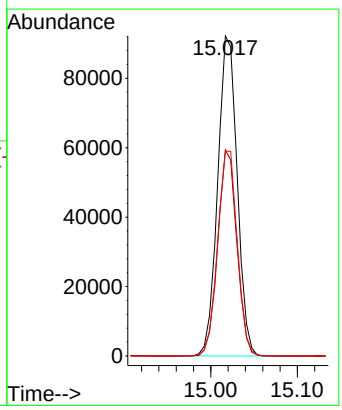


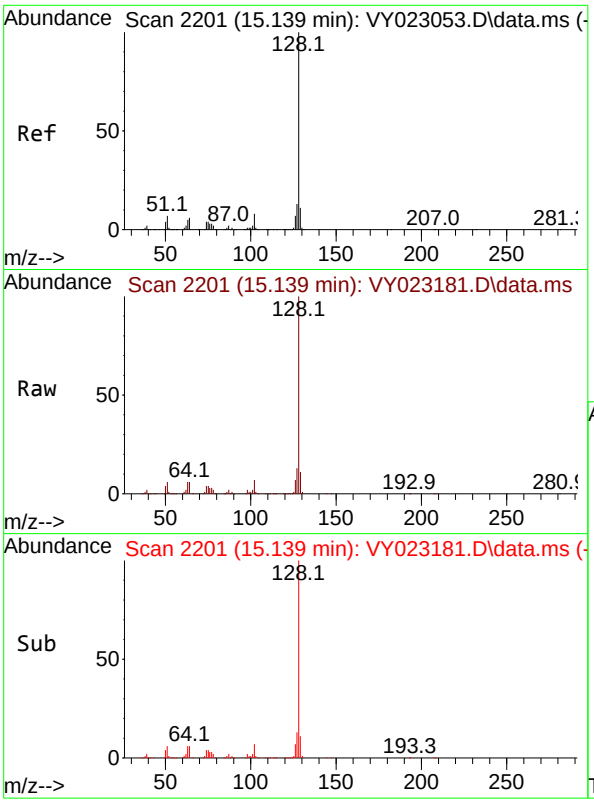


#94
Hexachlorobutadiene
Concen: 45.173 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:225 Resp: 143992

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	64.8	31.5	94.5



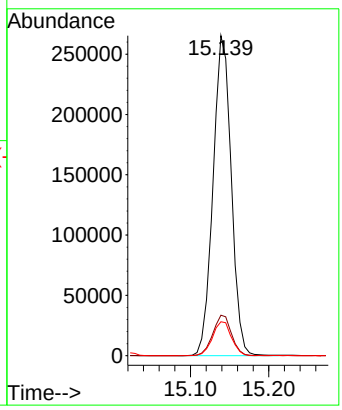


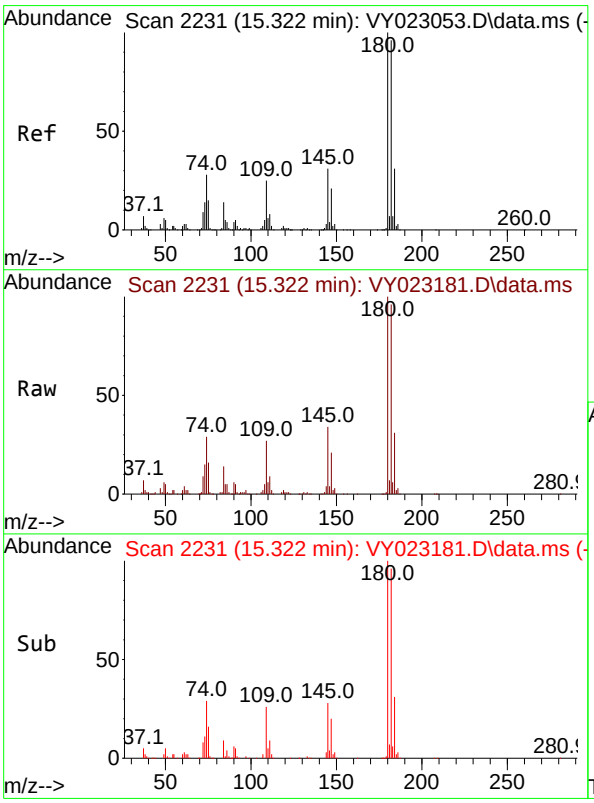
#95
Naphthalene
Concen: 46.397 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 429158

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	9.0	13.4





#96
1,2,3-Trichlorobenzene
Concen: 45.668 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:180 Resp: 213464

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	31.1	15.9	47.7