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 : Q2259

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2259

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2259-01	OU4-PCS-TC-36-060525
Q2259-02	OU4-PCS-TC-36-060525
Q2259-03	OU4-PCS-TC-37-060525
Q2259-04	OU4-PCS-TC-37-060525
Q2259-05	OU4-TS-29-060525
Q2259-06	OU4-TS-30-060525

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 : **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 10:35 am, Jun 23, 2025

Date: 6/20/2025

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 # Q2259
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 06/06/2025.

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

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

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

The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-36-060525 [1,2-Dichloroethane-d4 - 55%, Dibromofluoromethane - 63%].
Initially sample OU4-PCS-TC-36-060525 analyzed in sequence vy061025 where End CCAL was not analyzed, as a corrective action sample reanalyzed but surrogate failing therefore second run reported in hardcopy and first run provided in Miscellaneous section.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

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

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E. Additional Comments:
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.

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.

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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 10:37 am, Jun 23, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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: Q2259 MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-36-060525 [1,2-Dichloroethane-d4 - 55%, Dibromofluoromethane - 63%]. Initially sample OU4-PCS-TC-36-060525 analyzed in sequence vy061025 where End CCAL was not analyzed as a corrective action sample reanalyzed but surrogate failing therefore second run reported in hardcopy and first run provided in Miscellaneous section.			✓
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:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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

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

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.

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

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:16 am, Jun 23, 2025

Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2259

	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:** 06/20/2025

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LAB CHRONICLE

OrderID:	Q2259	**OrderDate:**	6/6/2025 10:57:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	**OU4-PCS-TC-36-060525**	**SOIL**			**06/05/25**			**06/06/25**
			VOCMS Group3	8260D			06/11/25	
Q2259-03	**OU4-PCS-TC-37-060525**	**SOIL**			**06/05/25**			**06/06/25**
			VOCMS Group3	8260D			06/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2259

Client: Nobis Group

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

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2259-01	OU4-PCS-TC-36-060525	1,2-Dichloroethane-d4	50	27.4	55	*	71	136
		Dibromofluoromethane	50	31.3	63	*	78	119
		Toluene-d8	50	49.0	98		85	116
		4-Bromofluorobenzene	50	46.0	92		79	119
Q2259-03	OU4-PCS-TC-37-060525	1,2-Dichloroethane-d4	50	47.5	95		71	136
		Dibromofluoromethane	50	49.7	99		78	119
		Toluene-d8	50	49.5	99		85	116
		4-Bromofluorobenzene	50	39.6	79		79	119
VY0611SBL01	VY0611SBL01	1,2-Dichloroethane-d4	50	48.4	97		71	136
		Dibromofluoromethane	50	50.6	101		78	119
		Toluene-d8	50	50.0	100		85	116
		4-Bromofluorobenzene	50	39.6	79		79	119
VY0611SBS01	VY0611SBS01	1,2-Dichloroethane-d4	50	52.1	104		71	136
		Dibromofluoromethane	50	53.3	107		78	119
		Toluene-d8	50	53.9	108		85	116
		4-Bromofluorobenzene	50	51.1	102		79	119
VY0611SBSD01	VY0611SBSD01	1,2-Dichloroethane-d4	50	50.5	101		71	136
		Dibromofluoromethane	50	51.6	103		78	119
		Toluene-d8	50	52.0	104		85	116
		4-Bromofluorobenzene	50	48.8	98		79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0611SBS01	Dichlorodifluoromethane	20	22.0	ug/Kg	110			29	149	
	Chloromethane	20	19.1	ug/Kg	96			50	136	
	Vinyl chloride	20	22.8	ug/Kg	114			56	135	
	Bromomethane	20	22.7	ug/Kg	114			53	143	
	Chloroethane	20	24.3	ug/Kg	121			59	139	
	Tetrahydrofuran	100	93.0	ug/Kg	93			61	135	
	Trichlorofluoromethane	20	24.2	ug/Kg	121			62	140	
	1,1,2-Trichlorotrifluoroethane	20	22.1	ug/Kg	111			66	136	
	1,1-Dichloroethene	20	21.5	ug/Kg	108			70	131	
	Acrylonitrile	100	97.7	ug/Kg	98			65	134	
	Acetone	100	140	ug/Kg	140			36	164	
	Carbon disulfide	20	20.4	ug/Kg	102			63	132	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			73	125	
	Methylene Chloride	20	22.6	ug/Kg	113			70	128	
	trans-1,2-Dichloroethene	20	21.6	ug/Kg	108			74	125	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			76	125	
	2-Butanone	100	120	ug/Kg	120			51	148	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			70	135	
	2,2-Dichloropropane	20	22.0	ug/Kg	110			67	133	
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108			77	123	
	Chloroform	20	22.3	ug/Kg	112			78	123	
	1,1,1-Trichloroethane	20	22.2	ug/Kg	111			73	130	
	1,1-Dichloropropene	20	21.5	ug/Kg	108			76	125	
	Benzene	20	21.2	ug/Kg	106			77	121	
	1,2-Dichloroethane	20	21.1	ug/Kg	106			73	128	
	Trichloroethene	20	22.4	ug/Kg	112			77	123	
	1,2-Dichloropropane	20	21.6	ug/Kg	108			76	123	
	Dibromomethane	20	21.1	ug/Kg	106			78	125	
	Bromodichloromethane	20	21.3	ug/Kg	106			75	127	
	4-Methyl-2-Pentanone	100	93.4	ug/Kg	93			65	135	
	Toluene	20	21.1	ug/Kg	106			77	121	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			71	130	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			78	121	
	1,3-Dichloropropane	20	20.7	ug/Kg	104			77	121	
	2-Hexanone	100	100	ug/Kg	100			53	145	
	Dibromochloromethane	20	20.3	ug/Kg	102			74	126	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			78	122	
	Tetrachloroethene	20	24.8	ug/Kg	124			73	128	
	Chlorobenzene	20	21.6	ug/Kg	108			79	120	
	1,1,1,2-Tetrachloroethane	20	21.0	ug/Kg	105			78	125	
	Ethyl Benzene	20	20.7	ug/Kg	104			76	122	
	m/p-Xylenes	40	42.1	ug/Kg	105			77	124	
	o-Xylene	20	20.9	ug/Kg	104			77	123	
	Styrene	20	20.2	ug/Kg	101			76	124	
	Bromoform	20	19.2	ug/Kg	96			67	132	
	Isopropylbenzene	20	20.1	ug/Kg	101			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.: Q2259

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0611SBS01	1,2,3-Trichloropropane	20	17.5	ug/Kg	88			73	125	
	Bromobenzene	20	20.6	ug/Kg	103			78	121	
	N-propylbenzene	20	20.4	ug/Kg	102			73	125	
	2-Chlorotoluene	20	20.0	ug/Kg	100			75	122	
	1,3,5-Trimethylbenzene	20	20.5	ug/Kg	103			73	124	
	4-Chlorotoluene	20	20.2	ug/Kg	101			72	124	
	tert-Butylbenzene	20	20.5	ug/Kg	103			73	125	
	1,2,4-Trimethylbenzene	20	20.2	ug/Kg	101			75	123	
	Sec-butylbenzene	20	20.6	ug/Kg	103			73	126	
	p-Isopropyltoluene	20	20.2	ug/Kg	101			73	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			77	121	
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102			75	120	
	n-Butylbenzene	20	20.7	ug/Kg	104			70	128	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			78	121	
	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			61	132	
	1,2,4-Trichlorobenzene	20	21.1	ug/Kg	106			67	129	
	Hexachlorobutadiene	20	22.8	ug/Kg	114			61	135	
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105			66	130	
	trans-1,4-Dichloro-2-butene	20	17.8	ug/Kg	89			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022655.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0611SBSD01	Dichlorodifluoromethane	20	22.0	ug/Kg	110	0		29	149	20
	Chloromethane	20	18.7	ug/Kg	94	2		50	136	20
	Vinyl chloride	20	23.3	ug/Kg	117	3		56	135	20
	Bromomethane	20	22.5	ug/Kg	113	1		53	143	20
	Chloroethane	20	24.0	ug/Kg	120	1		59	139	20
	Tetrahydrofuran	100	100	ug/Kg	100	7		61	135	20
	Trichlorofluoromethane	20	25.0	ug/Kg	125	3		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	22.3	ug/Kg	112	1		66	136	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	4		70	131	20
	Acrylonitrile	100	100	ug/Kg	100	2		65	134	20
	Acetone	100	150	ug/Kg	150	7		36	164	20
	Carbon disulfide	20	20.3	ug/Kg	102	0		63	132	20
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	4		73	125	20
	Methylene Chloride	20	23.0	ug/Kg	115	2		70	128	20
	trans-1,2-Dichloroethene	20	21.8	ug/Kg	109	1		74	125	20
	1,1-Dichloroethane	20	21.6	ug/Kg	108	1		76	125	20
	2-Butanone	100	120	ug/Kg	120	0		51	148	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	1		70	135	20
	2,2-Dichloropropane	20	20.9	ug/Kg	104	6		67	133	20
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	0		77	123	20
	Chloroform	20	22.4	ug/Kg	112	0		78	123	20
	1,1,1-Trichloroethane	20	22.1	ug/Kg	111	0		73	130	20
	1,1-Dichloropropene	20	21.2	ug/Kg	106	2		76	125	20
	Benzene	20	21.9	ug/Kg	110	4		77	121	20
	1,2-Dichloroethane	20	21.7	ug/Kg	109	3		73	128	20
	Trichloroethene	20	21.8	ug/Kg	109	3		77	123	20
	1,2-Dichloropropane	20	21.7	ug/Kg	109	1		76	123	20
	Dibromomethane	20	21.2	ug/Kg	106	0		78	125	20
	Bromodichloromethane	20	22.1	ug/Kg	111	5		75	127	20
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98	5		65	135	20
	Toluene	20	21.5	ug/Kg	108	2		77	121	20
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103	2		71	130	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	1		74	126	20
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109	5		78	121	20
	1,3-Dichloropropane	20	21.4	ug/Kg	107	3		77	121	20
	2-Hexanone	100	110	ug/Kg	110	10		53	145	20
	Dibromochloromethane	20	21.4	ug/Kg	107	5		74	126	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	4		78	122	20
	Tetrachloroethene	20	24.6	ug/Kg	123	1		73	128	20
	Chlorobenzene	20	21.9	ug/Kg	110	2		79	120	20
	1,1,1,2-Tetrachloroethane	20	21.1	ug/Kg	106	1		78	125	20
	Ethyl Benzene	20	20.7	ug/Kg	104	0		76	122	20
	m/p-Xylenes	40	41.8	ug/Kg	104	1		77	124	20
	o-Xylene	20	20.7	ug/Kg	104	0		77	123	20
	Styrene	20	20.8	ug/Kg	104	3		76	124	20
	Bromoform	20	20.3	ug/Kg	102	6		67	132	20
	Isopropylbenzene	20	20.9	ug/Kg	104	3		68	134	20
	1,1,2,2-Tetrachloroethane	20	19.5	ug/Kg	98	11		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022655.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0611SBSD01	1,2,3-Trichloropropane	20	17.5	ug/Kg	88	0		73	125	20
	Bromobenzene	20	20.9	ug/Kg	104	1		78	121	20
	N-propylbenzene	20	21.0	ug/Kg	105	3		73	125	20
	2-Chlorotoluene	20	20.6	ug/Kg	103	3		75	122	20
	1,3,5-Trimethylbenzene	20	20.8	ug/Kg	104	1		73	124	20
	4-Chlorotoluene	20	20.4	ug/Kg	102	1		72	124	20
	tert-Butylbenzene	20	20.7	ug/Kg	104	1		73	125	20
	1,2,4-Trimethylbenzene	20	20.6	ug/Kg	103	2		75	123	20
	Sec-butylbenzene	20	21.1	ug/Kg	106	3		73	126	20
	p-Isopropyltoluene	20	20.8	ug/Kg	104	3		73	127	20
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106	4		77	121	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	7		75	120	20
	n-Butylbenzene	20	21.0	ug/Kg	105	1		70	128	20
	1,2-Dichlorobenzene	20	21.4	ug/Kg	107	5		78	121	20
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	8		61	132	20
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	3		67	129	20
	Hexachlorobutadiene	20	22.4	ug/Kg	112	2		61	135	20
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	2		66	130	20
	trans-1,4-Dichloro-2-butene	20	18.2	ug/Kg	91	2		62	136	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0611SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: VY022653.D Lab Sample ID: VY0611SBL01

Date Analyzed: 06/11/2025 Time Analyzed: 10:30

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
VY0611SBS01	VY0611SBS01	VY022654.D	06/11/2025
VY0611SBSD01	VY0611SBSD01	VY022655.D	06/11/2025
OU4-PCS-TC-37-060525	Q2259-03	VY022656.D	06/11/2025
OU4-PCS-TC-36-060525	Q2259-01	VY022657.D	06/11/2025

COMMENTS:

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

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: VY022651.D BFB Injection Date: 06/11/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:22

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	59.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.7 (7.8) 1
176	95.0 - 101.0% of mass 174	83 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022652.D	06/11/2025	09:59
VY0611SBL01	VY0611SBL01	VY022653.D	06/11/2025	10:30
VY0611SBS01	VY0611SBS01	VY022654.D	06/11/2025	11:01
VY0611SBSD01	VY0611SBSD01	VY022655.D	06/11/2025	11:23
OU4-PCS-TC-37-060525	Q2259-03	VY022656.D	06/11/2025	12:01
OU4-PCS-TC-36-060525	Q2259-01	VY022657.D	06/11/2025	12:24
VSTDCCC050EC	VSTDCCC050	VY022664.D	06/11/2025	15:07

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: VY022652.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:59

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	157578	7.71	265316	8.62	226799	11.41
UPPER LIMIT	315156	8.207	530632	9.116	453598	11.914
LOWER LIMIT	78789	7.207	132658	8.116	113400	10.914
EPA SAMPLE NO.						
OU4-PCS-TC-36-060525	166804	7.69	220732	8.60	214709	11.42
OU4-PCS-TC-37-060525	170907	7.71	317360	8.62	249999	11.41
VY0611SBL01	167932	7.71	308222	8.62	245642	11.41
VY0611SBS01	154377	7.71	263261	8.62	218934	11.41
VY0611SBSD01	154293	7.71	261377	8.62	216375	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: VY022652.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:59

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

	IS4 AREA #	RT #				
12 HOUR STD	106876	13.346				
UPPER LIMIT	213752	13.846				
LOWER LIMIT	53438	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-36-060525	66012	13.35				
OU4-PCS-TC-37-060525	86500	13.35				
VY0611SBL01	84338	13.35				
VY0611SBS01	105447	13.35				
VY0611SBSD01	102308	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
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Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.3
Sample Wt/Vol:	4.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022657.D	1		06/11/25 12:24	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0045	U	0.0013	0.0045	0.0056	mg/Kg
74-87-3	Chloromethane	0.0028	U	0.0013	0.0028	0.0056	mg/Kg
75-01-4	Vinyl Chloride	0.0028	U	0.00089	0.0028	0.0056	mg/Kg
74-83-9	Bromomethane	0.0045	U	0.0012	0.0045	0.0056	mg/Kg
75-00-3	Chloroethane	0.0028	U	0.0014	0.0028	0.0056	mg/Kg
109-99-9	Tetrahydrofuran	0.014	U	0.0053	0.014	0.028	mg/Kg
75-69-4	Trichlorofluoromethane	0.0045	U	0.0014	0.0045	0.0056	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0028	U	0.0012	0.0028	0.0056	mg/Kg
75-35-4	1,1-Dichloroethene	0.0028	U	0.0011	0.0028	0.0056	mg/Kg
107-13-1	Acrylonitrile	0.014	U	0.0056	0.014	0.028	mg/Kg
67-64-1	Acetone	0.023	U	0.0053	0.023	0.028	mg/Kg
75-15-0	Carbon Disulfide	0.0045	U	0.0012	0.0045	0.0056	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0028	U	0.00082	0.0028	0.0056	mg/Kg
75-09-2	Methylene Chloride	0.0090	U	0.0040	0.0090	0.011	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0028	U	0.00097	0.0028	0.0056	mg/Kg
75-34-3	1,1-Dichloroethane	0.0028	U	0.00090	0.0028	0.0056	mg/Kg
78-93-3	2-Butanone	0.023	U	0.0074	0.023	0.028	mg/Kg
56-23-5	Carbon Tetrachloride	0.0028	U	0.0011	0.0028	0.0056	mg/Kg
594-20-7	2,2-Dichloropropane	0.0045	U	0.0014	0.0045	0.0056	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0028	U	0.00085	0.0028	0.0056	mg/Kg
67-66-3	Chloroform	0.0045	U	0.00095	0.0045	0.0056	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0028	U	0.0010	0.0028	0.0056	mg/Kg
563-58-6	1,1-Dichloropropene	0.0028	U	0.00098	0.0028	0.0056	mg/Kg
71-43-2	Benzene	0.0028	U	0.00089	0.0028	0.0056	mg/Kg
107-06-2	1,2-Dichloroethane	0.0028	U	0.00089	0.0028	0.0056	mg/Kg
79-01-6	Trichloroethene	0.0028	U	0.00091	0.0028	0.0056	mg/Kg
78-87-5	1,2-Dichloropropane	0.0028	U	0.0010	0.0028	0.0056	mg/Kg
74-95-3	Dibromomethane	0.0028	U	0.0010	0.0028	0.0056	mg/Kg
75-27-4	Bromodichloromethane	0.0028	U	0.00088	0.0028	0.0056	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.014	U	0.0040	0.014	0.028	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.3
Sample Wt/Vol:	4.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022657.D	1		06/11/25 12:24	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0028	U	0.00088	0.0028	0.0056	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0028	U	0.00073	0.0028	0.0056	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0028	U	0.00070	0.0028	0.0056	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0028	U	0.0010	0.0028	0.0056	mg/Kg
142-28-9	1,3-Dichloropropane	0.0028	U	0.00077	0.0028	0.0056	mg/Kg
591-78-6	2-Hexanone	0.014	U	0.0042	0.014	0.028	mg/Kg
124-48-1	Dibromochloromethane	0.0028	U	0.00098	0.0028	0.0056	mg/Kg
106-93-4	1,2-Dibromoethane	0.0028	U	0.00099	0.0028	0.0056	mg/Kg
127-18-4	Tetrachloroethene	0.0028	U	0.0012	0.0028	0.0056	mg/Kg
108-90-7	Chlorobenzene	0.0028	U	0.0010	0.0028	0.0056	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0028	U	0.00087	0.0028	0.0056	mg/Kg
100-41-4	Ethyl Benzene	0.0028	U	0.00076	0.0028	0.0056	mg/Kg
179601-23-1	m/p-Xylenes	0.0056	U	0.0014	0.0056	0.011	mg/Kg
1330-20-7	Total Xylenes	0.0084	U	0.0023	0.0084	0.017	mg/Kg
95-47-6	o-Xylene	0.0028	U	0.00093	0.0028	0.0056	mg/Kg
100-42-5	Styrene	0.0028	U	0.00080	0.0028	0.0056	mg/Kg
75-25-2	Bromoform	0.0028	U	0.00097	0.0028	0.0056	mg/Kg
98-82-8	Isopropylbenzene	0.0028	U	0.00088	0.0028	0.0056	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0028	U	0.0014	0.0028	0.0056	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0045	U	0.0014	0.0045	0.0056	mg/Kg
108-86-1	Bromobenzene	0.0028	U	0.0014	0.0028	0.0056	mg/Kg
103-65-1	n-propylbenzene	0.0028	U	0.00082	0.0028	0.0056	mg/Kg
95-49-8	2-Chlorotoluene	0.0028	U	0.00077	0.0028	0.0056	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0028	U	0.00093	0.0028	0.0056	mg/Kg
106-43-4	4-Chlorotoluene	0.0028	U	0.0014	0.0028	0.0056	mg/Kg
98-06-6	tert-Butylbenzene	0.0028	U	0.00076	0.0028	0.0056	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0028	U	0.00072	0.0028	0.0056	mg/Kg
135-98-8	sec-Butylbenzene	0.0028	U	0.00074	0.0028	0.0056	mg/Kg
99-87-6	p-Isopropyltoluene	0.0028	U	0.00070	0.0028	0.0056	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0028	U	0.0019	0.0028	0.0056	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0028	U	0.0018	0.0028	0.0056	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.3
Sample Wt/Vol:	4.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022657.D	1		06/11/25 12:24	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0028	U	0.0016	0.0028	0.0056	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0028	U	0.0016	0.0028	0.0056	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0045	U	0.0021	0.0045	0.0056	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0045	U	0.0034	0.0045	0.0056	mg/Kg
87-68-3	Hexachlorobutadiene	0.0028	U	0.0021	0.0028	0.0056	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0045	U	0.0036	0.0045	0.0056	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0028	U	0.0012	0.0028	0.0056	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	27.4	*	71 - 136		55%	SPK: 50
1868-53-7	Dibromofluoromethane	31.3	*	78 - 119		63%	SPK: 50
2037-26-5	Toluene-d8	49.0		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		79 - 119		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	7.689				
540-36-3	1,4-Difluorobenzene	221000	8.603				
3114-55-4	Chlorobenzene-d5	215000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	66000	13.352				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022657.D
Acq On : 11 Jun 2025 12:24
Operator : SY/MD
Sample : Q2259-01
Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Time: Jun 12 05:05:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.689	168	166804	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.603	114	220732	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	214709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	51105	27.393	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 54.780%			
35) Dibromofluoromethane	7.622	113	41279	31.331	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 62.660%			
50) Toluene-d8	10.103	98	261007	49.029	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.414	95	72925	45.976	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.960%			

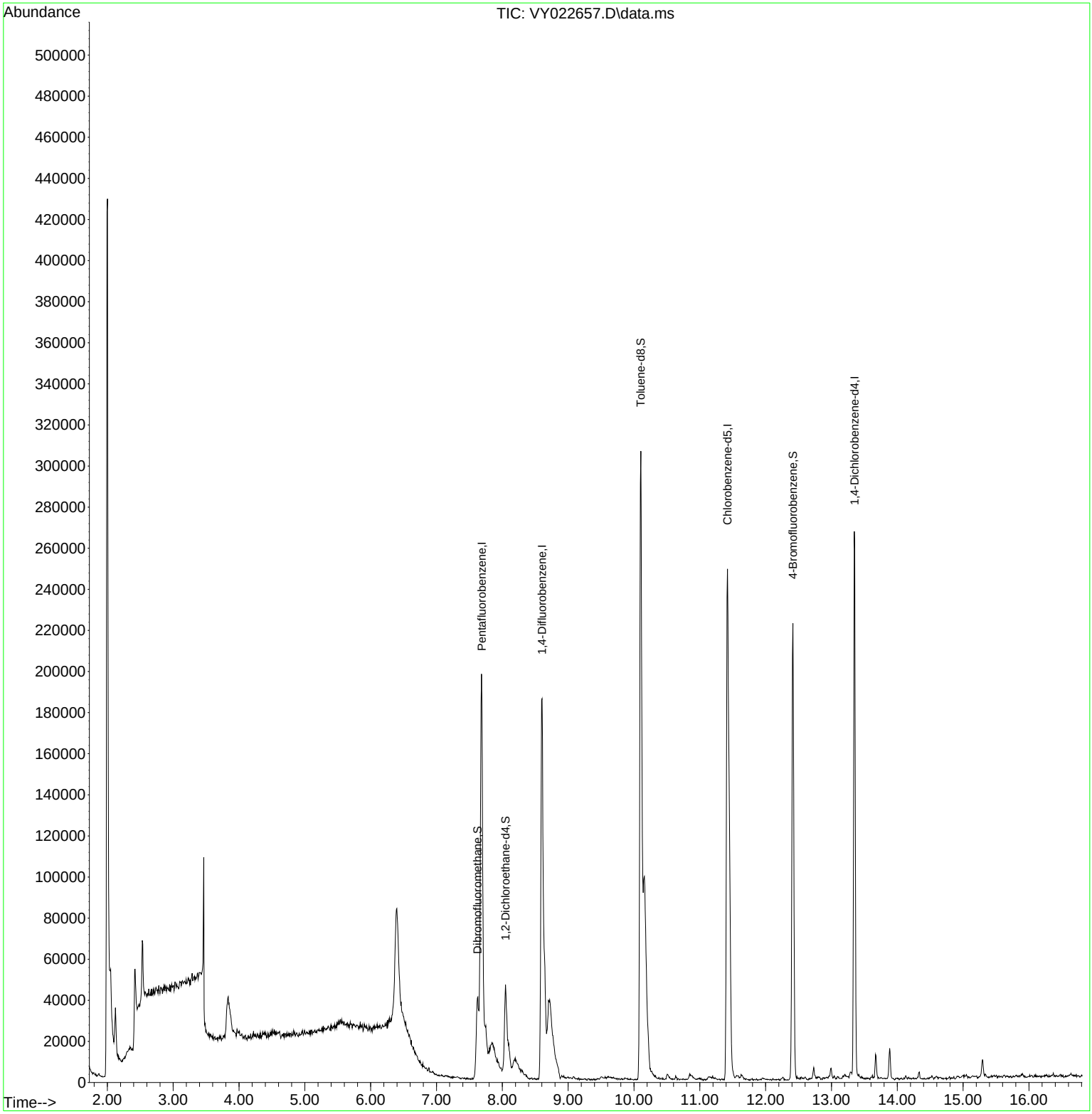
Target Compounds Qvalue

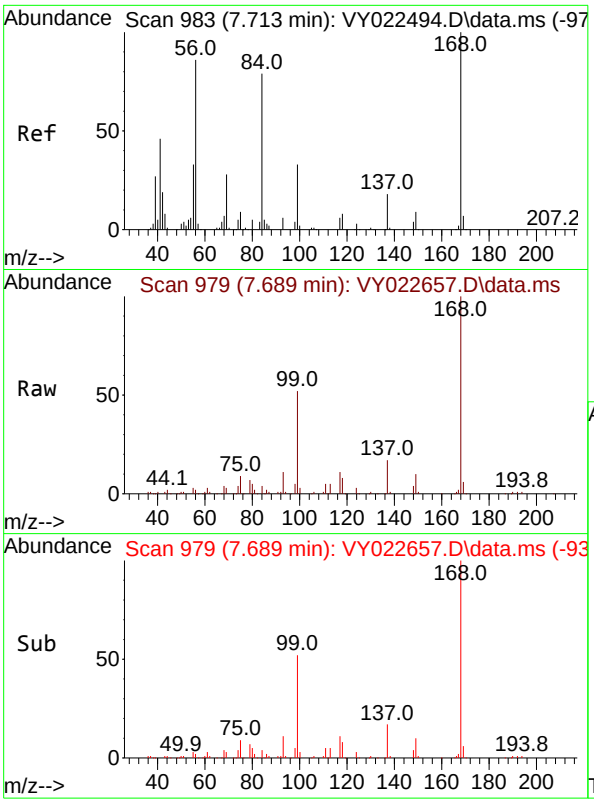
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022657.D
Acq On : 11 Jun 2025 12:24
Operator : SY/MD
Sample : Q2259-01
Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Time: Jun 12 05:05:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



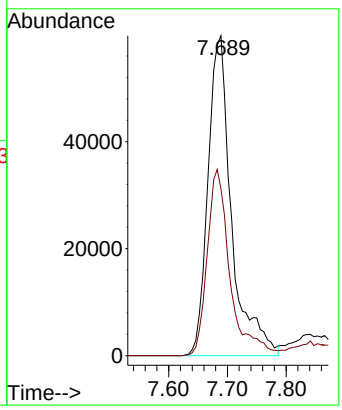


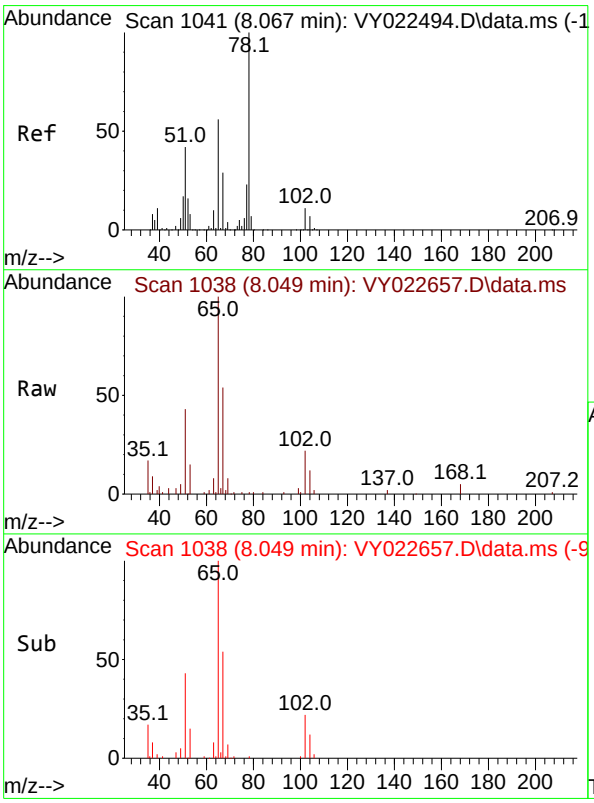
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.689 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:168 Resp: 166804

Ion	Ratio	Lower	Upper
168	100		
99	52.1	44.3	66.5

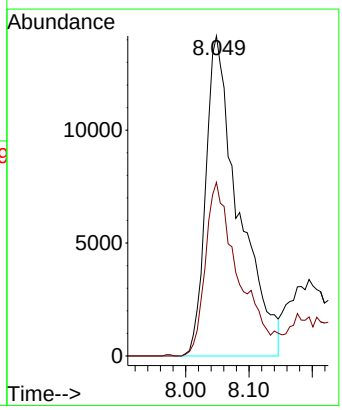


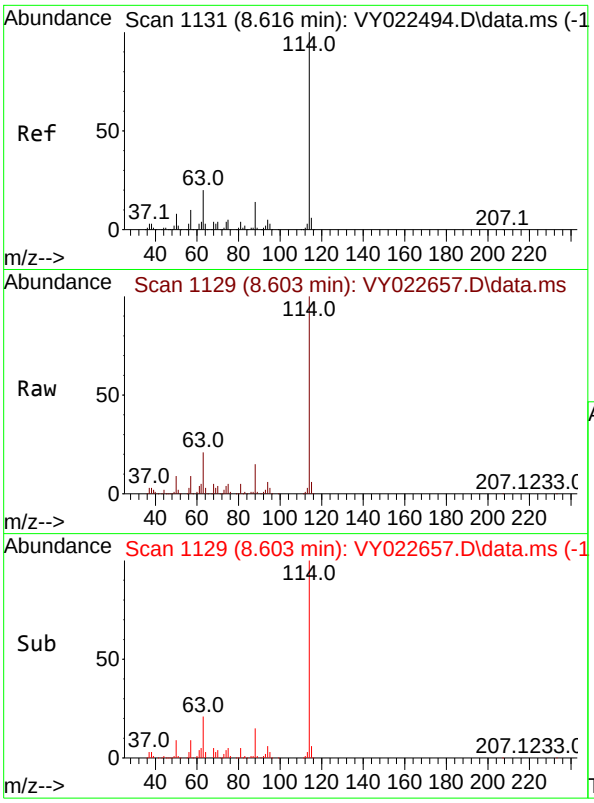


#33
1,2-Dichloroethane-d4
Concen: 27.393 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.019 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 65 Resp: 51105

Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	103.4



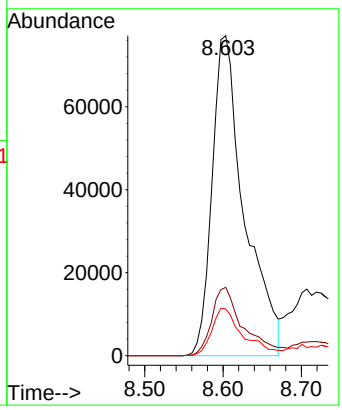


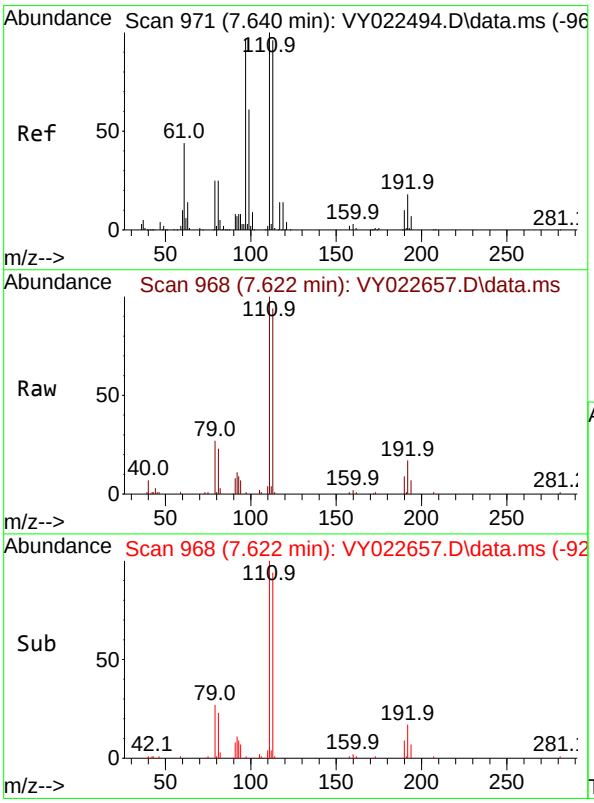
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:114 Resp: 220732

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.8
88	14.6	0.0	27.8

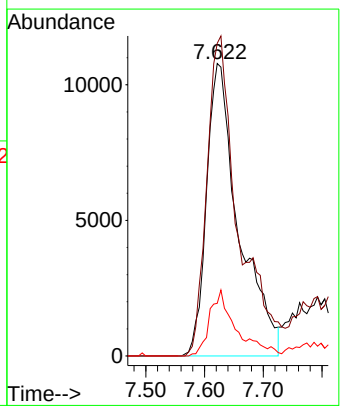


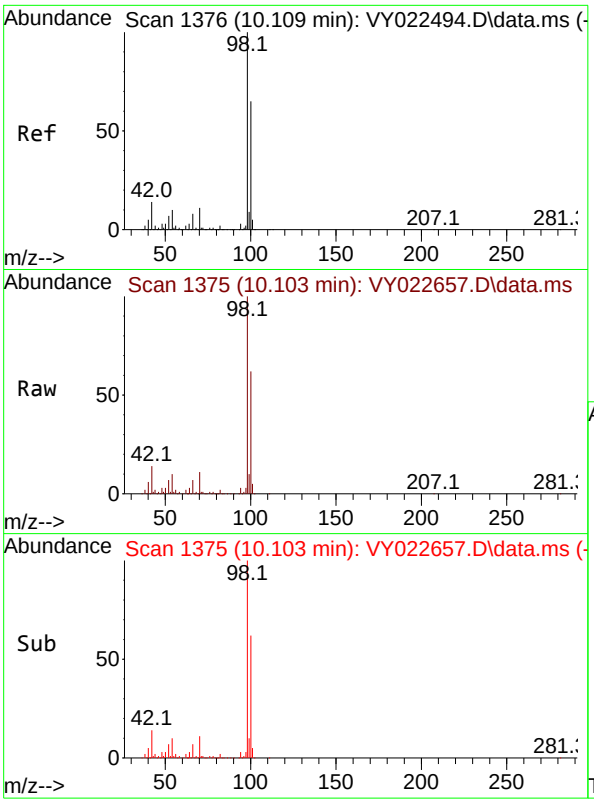


#35
Dibromofluoromethane
Concen: 31.331 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.019 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion:113 Resp: 41279

Ion	Ratio	Lower	Upper
113	100		
111	87.5	81.1	121.7
192	15.3	14.2	21.2



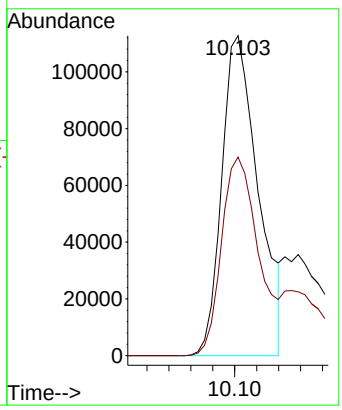


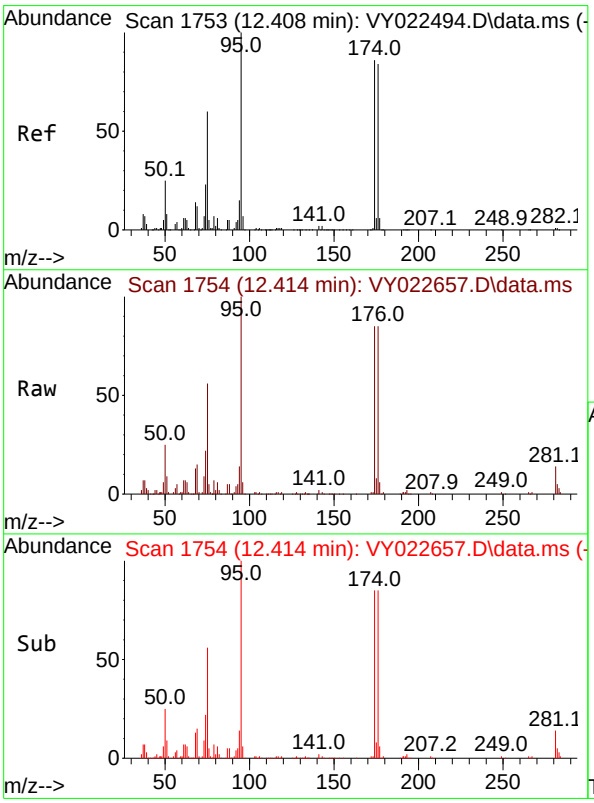
#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion: 98 Resp: 261007

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.4	77.0

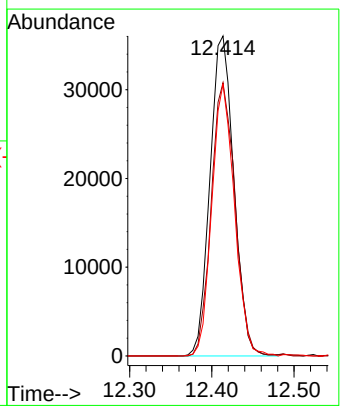


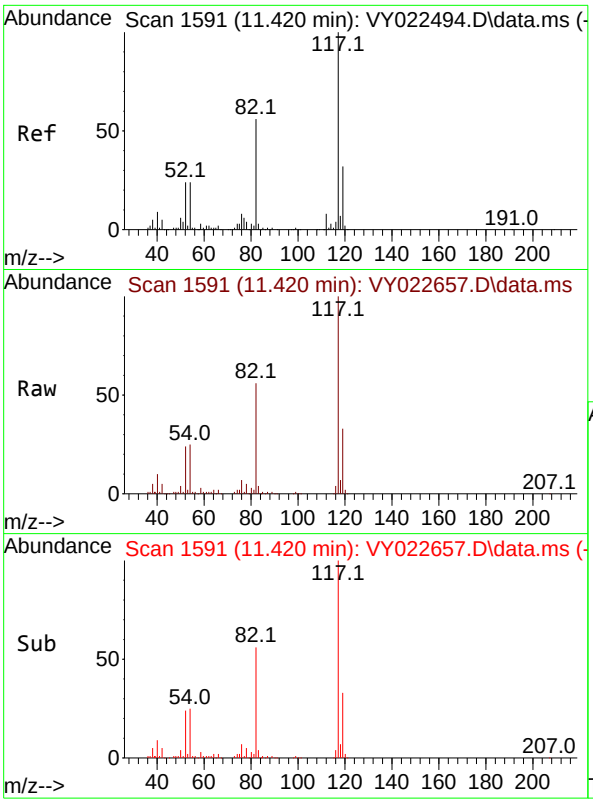


#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 95 Resp: 72925

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	170.0
176	80.5	0.0	166.2



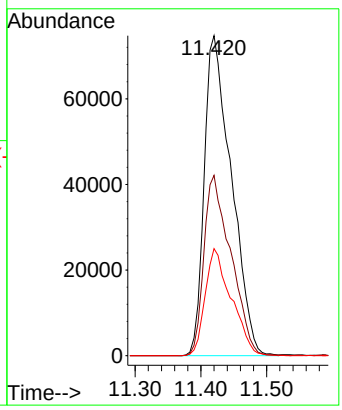


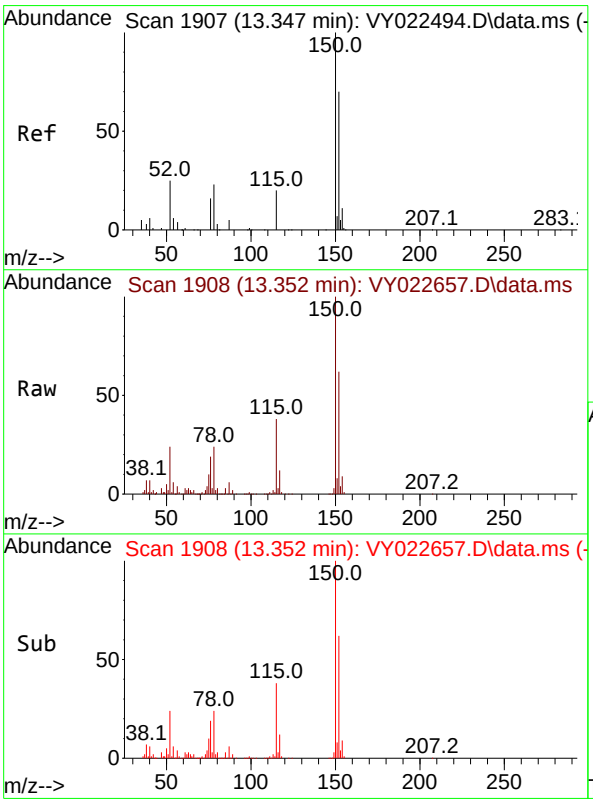
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:117 Resp: 214709

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	33.5	25.4	38.0

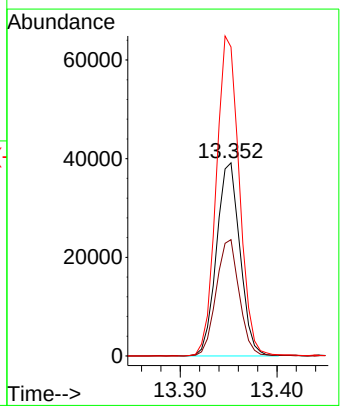




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion:152 Resp: 66012

Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.9	86.7
150	162.5	0.0	349.6



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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.3
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022656.D	1		06/11/25 12:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0043	U	0.0012	0.0043	0.0054	mg/Kg
74-87-3	Chloromethane	0.0027	U	0.0012	0.0027	0.0054	mg/Kg
75-01-4	Vinyl Chloride	0.0027	U	0.00085	0.0027	0.0054	mg/Kg
74-83-9	Bromomethane	0.0043	U	0.0012	0.0043	0.0054	mg/Kg
75-00-3	Chloroethane	0.0027	U	0.0014	0.0027	0.0054	mg/Kg
109-99-9	Tetrahydrofuran	0.014	U	0.0051	0.014	0.027	mg/Kg
75-69-4	Trichlorofluoromethane	0.0043	U	0.0013	0.0043	0.0054	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0027	U	0.0011	0.0027	0.0054	mg/Kg
75-35-4	1,1-Dichloroethene	0.0027	U	0.0011	0.0027	0.0054	mg/Kg
107-13-1	Acrylonitrile	0.014	U	0.0054	0.014	0.027	mg/Kg
67-64-1	Acetone	0.022	U	0.0051	0.022	0.027	mg/Kg
75-15-0	Carbon Disulfide	0.0043	U	0.0011	0.0043	0.0054	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0027	U	0.00079	0.0027	0.0054	mg/Kg
75-09-2	Methylene Chloride	0.0087	U	0.0038	0.0087	0.011	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0027	U	0.00093	0.0027	0.0054	mg/Kg
75-34-3	1,1-Dichloroethane	0.0027	U	0.00087	0.0027	0.0054	mg/Kg
78-93-3	2-Butanone	0.022	U	0.0071	0.022	0.027	mg/Kg
56-23-5	Carbon Tetrachloride	0.0027	U	0.0010	0.0027	0.0054	mg/Kg
594-20-7	2,2-Dichloropropane	0.0043	U	0.0014	0.0043	0.0054	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0027	U	0.00081	0.0027	0.0054	mg/Kg
67-66-3	Chloroform	0.0043	U	0.00091	0.0043	0.0054	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0027	U	0.0010	0.0027	0.0054	mg/Kg
563-58-6	1,1-Dichloropropene	0.0027	U	0.00094	0.0027	0.0054	mg/Kg
71-43-2	Benzene	0.0027	U	0.00085	0.0027	0.0054	mg/Kg
107-06-2	1,2-Dichloroethane	0.0027	U	0.00085	0.0027	0.0054	mg/Kg
79-01-6	Trichloroethene	0.0027	U	0.00088	0.0027	0.0054	mg/Kg
78-87-5	1,2-Dichloropropane	0.0027	U	0.00098	0.0027	0.0054	mg/Kg
74-95-3	Dibromomethane	0.0027	U	0.00096	0.0027	0.0054	mg/Kg
75-27-4	Bromodichloromethane	0.0027	U	0.00084	0.0027	0.0054	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.014	U	0.0039	0.014	0.027	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.3
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022656.D	1		06/11/25 12:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0027	U	0.00084	0.0027	0.0054	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0027	U	0.00070	0.0027	0.0054	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0027	U	0.00067	0.0027	0.0054	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0027	U	0.0010	0.0027	0.0054	mg/Kg
142-28-9	1,3-Dichloropropane	0.0027	U	0.00074	0.0027	0.0054	mg/Kg
591-78-6	2-Hexanone	0.014	U	0.0040	0.014	0.027	mg/Kg
124-48-1	Dibromochloromethane	0.0027	U	0.00094	0.0027	0.0054	mg/Kg
106-93-4	1,2-Dibromoethane	0.0027	U	0.00095	0.0027	0.0054	mg/Kg
127-18-4	Tetrachloroethene	0.0027	U	0.0011	0.0027	0.0054	mg/Kg
108-90-7	Chlorobenzene	0.0027	U	0.00098	0.0027	0.0054	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0027	U	0.00083	0.0027	0.0054	mg/Kg
100-41-4	Ethyl Benzene	0.0027	U	0.00072	0.0027	0.0054	mg/Kg
179601-23-1	m/p-Xylenes	0.0054	U	0.0013	0.0054	0.011	mg/Kg
1330-20-7	Total Xylenes	0.0081	U	0.0022	0.0081	0.016	mg/Kg
95-47-6	o-Xylene	0.0027	U	0.00089	0.0027	0.0054	mg/Kg
100-42-5	Styrene	0.0027	U	0.00077	0.0027	0.0054	mg/Kg
75-25-2	Bromoform	0.0027	U	0.00093	0.0027	0.0054	mg/Kg
98-82-8	Isopropylbenzene	0.0027	U	0.00084	0.0027	0.0054	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0027	U	0.0013	0.0027	0.0054	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0043	U	0.0013	0.0043	0.0054	mg/Kg
108-86-1	Bromobenzene	0.0027	U	0.0013	0.0027	0.0054	mg/Kg
103-65-1	n-propylbenzene	0.0027	U	0.00079	0.0027	0.0054	mg/Kg
95-49-8	2-Chlorotoluene	0.0027	U	0.00074	0.0027	0.0054	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0027	U	0.00089	0.0027	0.0054	mg/Kg
106-43-4	4-Chlorotoluene	0.0027	U	0.0013	0.0027	0.0054	mg/Kg
98-06-6	tert-Butylbenzene	0.0027	U	0.00072	0.0027	0.0054	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0027	U	0.00069	0.0027	0.0054	mg/Kg
135-98-8	sec-Butylbenzene	0.0027	U	0.00071	0.0027	0.0054	mg/Kg
99-87-6	p-Isopropyltoluene	0.0027	U	0.00067	0.0027	0.0054	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0027	U	0.0019	0.0027	0.0054	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0027	U	0.0017	0.0027	0.0054	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.3
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022656.D	1		06/11/25 12:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0027	U	0.0016	0.0027	0.0054	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0027	U	0.0016	0.0027	0.0054	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0043	U	0.0020	0.0043	0.0054	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0043	U	0.0032	0.0043	0.0054	mg/Kg
87-68-3	Hexachlorobutadiene	0.0027	U	0.0021	0.0027	0.0054	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0043	U	0.0034	0.0043	0.0054	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0027	U	0.0011	0.0027	0.0054	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	49.5		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	7.707				
540-36-3	1,4-Difluorobenzene	317000	8.616				
3114-55-4	Chlorobenzene-d5	250000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	86500	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\VY061125\
Data File : VY022656.D
Acq On : 11 Jun 2025 12:01
Operator : SY/MD
Sample : Q2259-03
Misc : 4.90g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Time: Jun 12 05:05:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

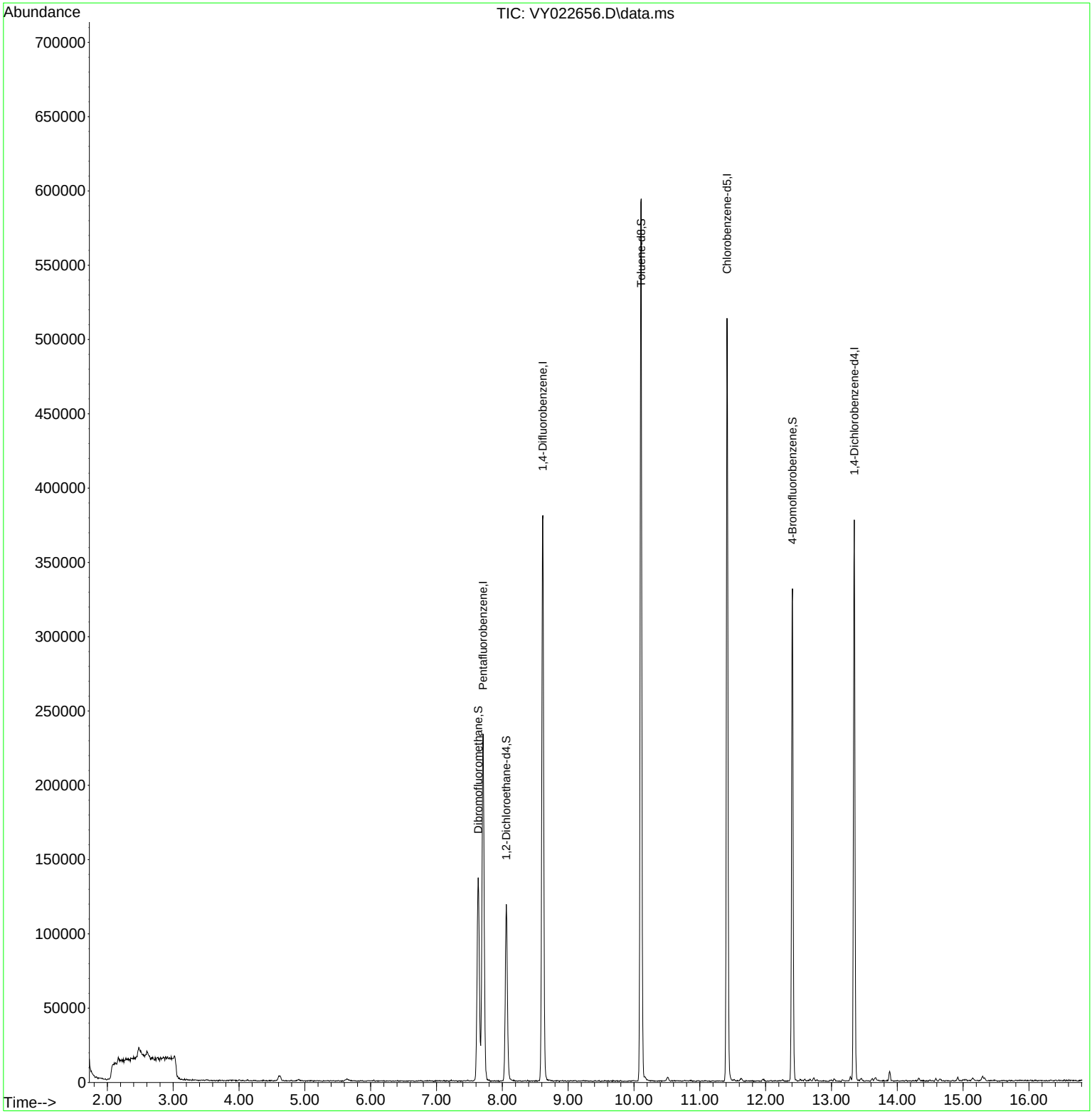
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	170907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	249999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	86500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90784	47.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.980%		
35) Dibromofluoromethane	7.634	113	94225	49.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.480%		
50) Toluene-d8	10.109	98	379249	49.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.100%		
62) 4-Bromofluorobenzene	12.408	95	90236	39.568	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.140%		
Target Compounds						Qvalue

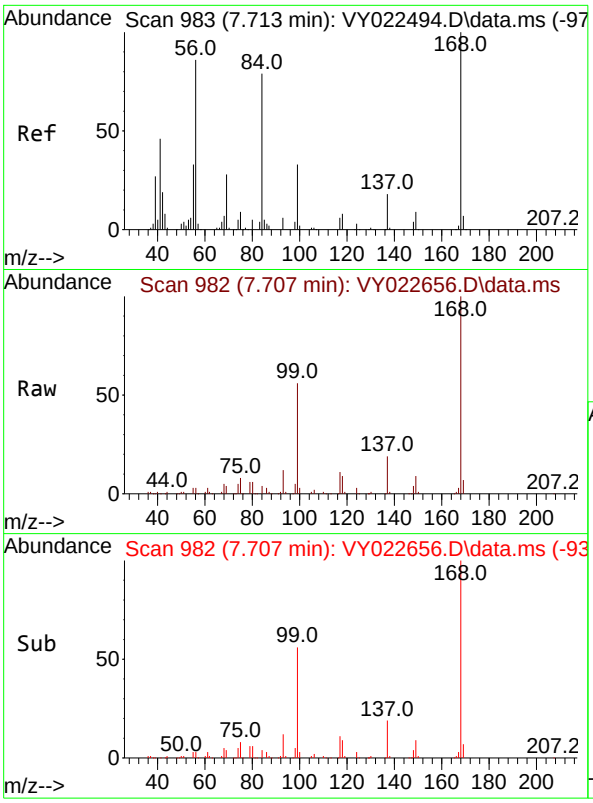
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022656.D
Acq On : 11 Jun 2025 12:01
Operator : SY/MD
Sample : Q2259-03
Misc : 4.90g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Time: Jun 12 05:05:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



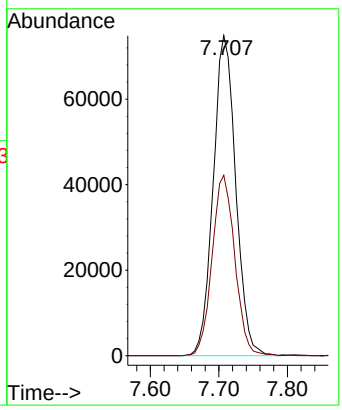


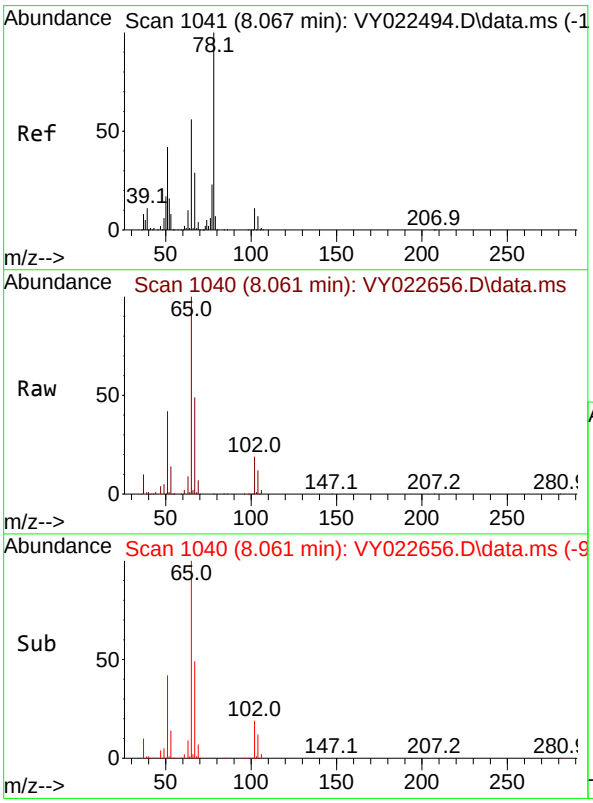
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:168 Resp: 170907

Ion	Ratio	Lower	Upper
168	100		
99	56.4	44.3	66.5

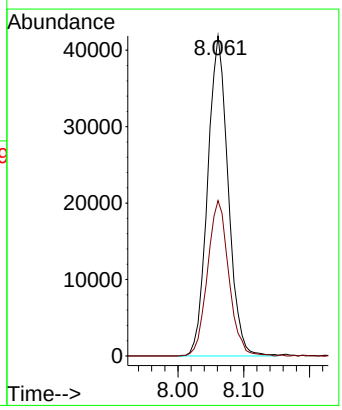


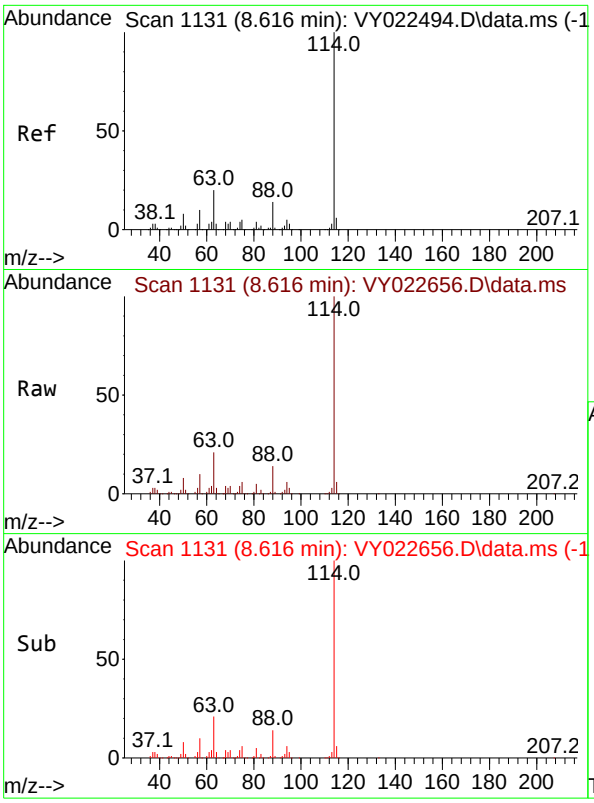


#33
1,2-Dichloroethane-d4
Concen: 47.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion: 65 Resp: 90784

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.4



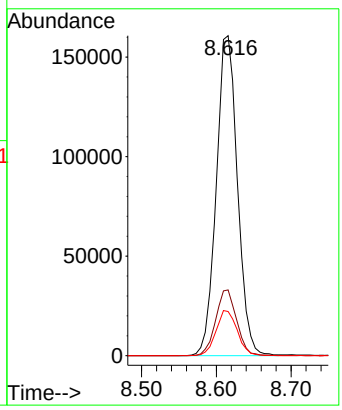


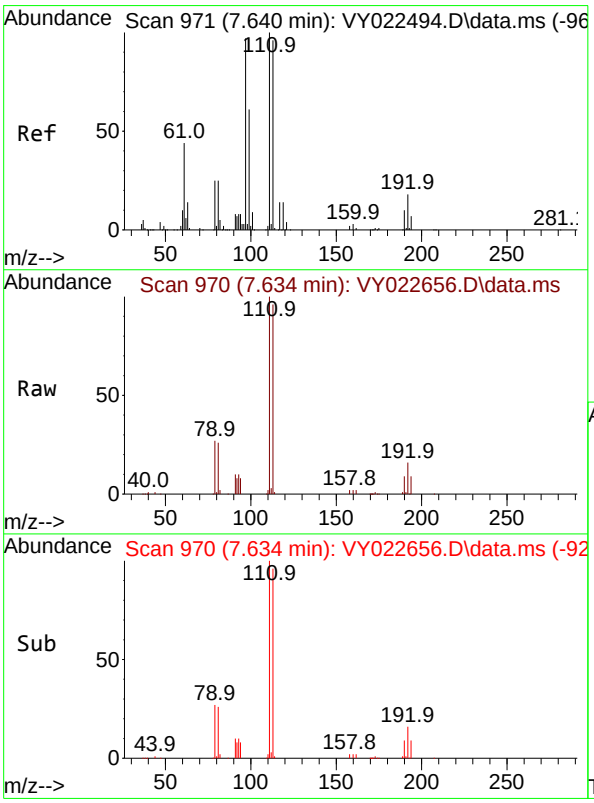
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:114 Resp: 317360

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	13.8	0.0	27.8

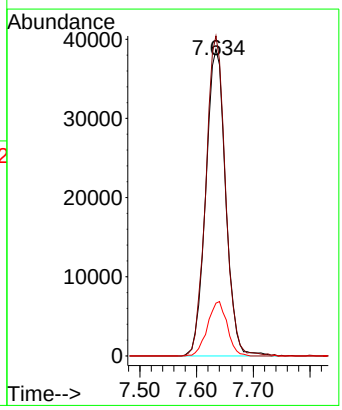


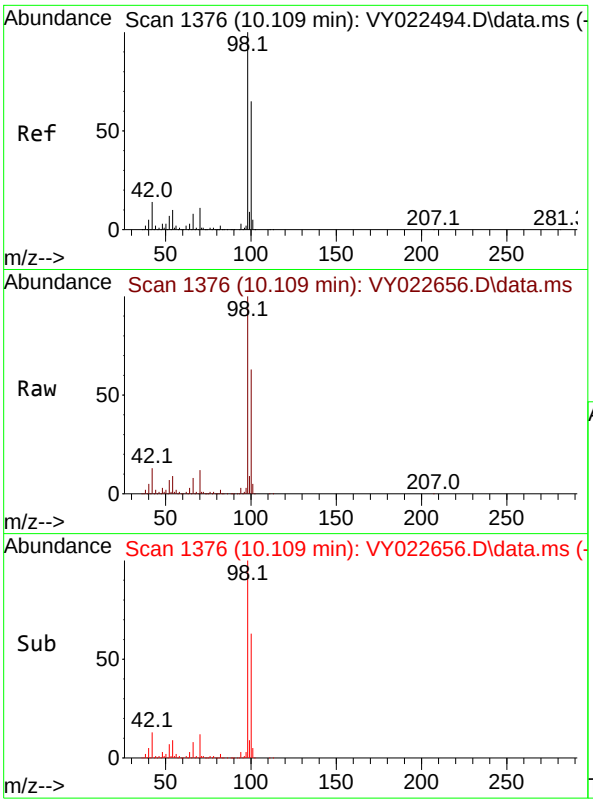


#35
Dibromofluoromethane
Concen: 49.742 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion:113 Resp: 94225

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	17.6	14.2	21.2



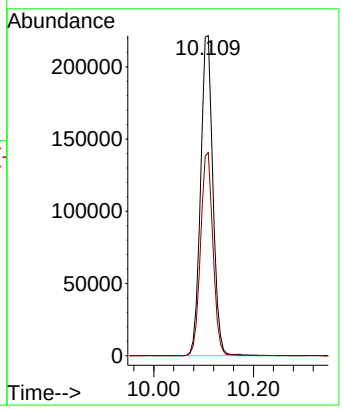


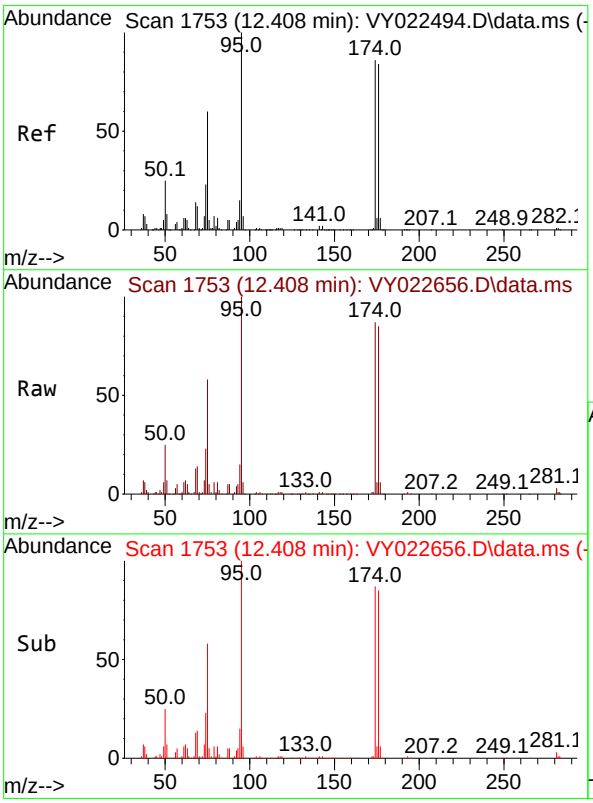
#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion: 98 Resp: 379249

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

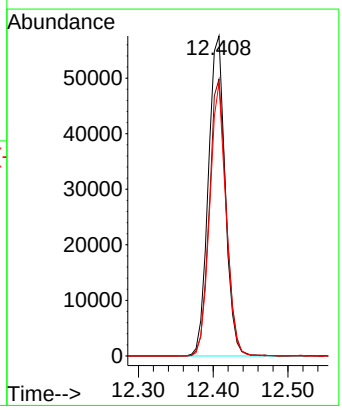


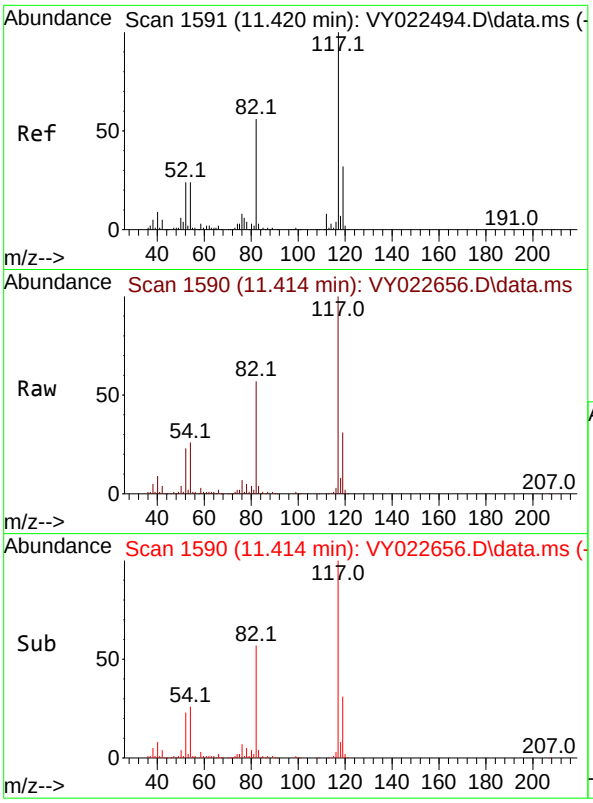


#62
4-Bromofluorobenzene
Concen: 39.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion: 95 Resp: 90236

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	170.0
176	82.6	0.0	166.2



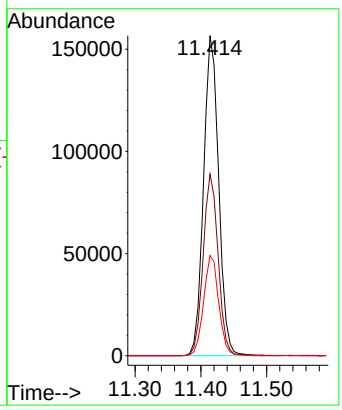


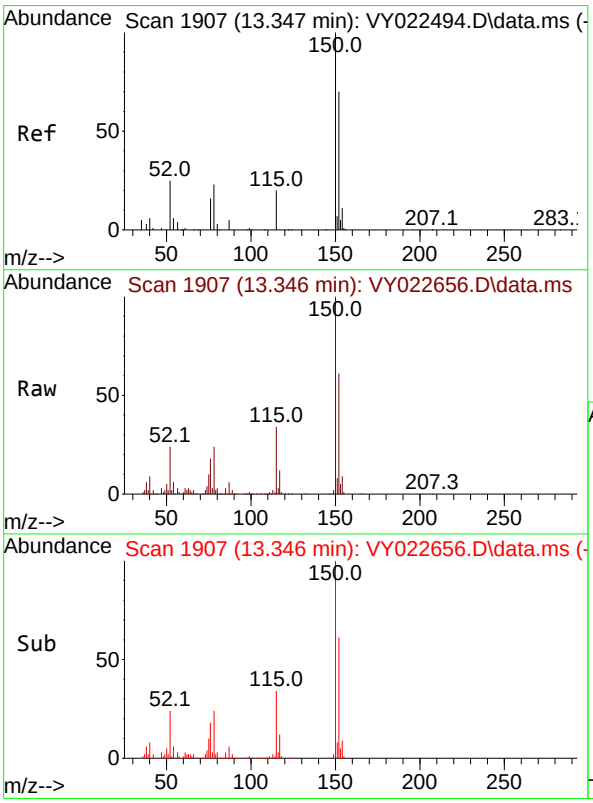
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:117 Resp: 249999

Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.6	66.8
119	31.3	25.4	38.0

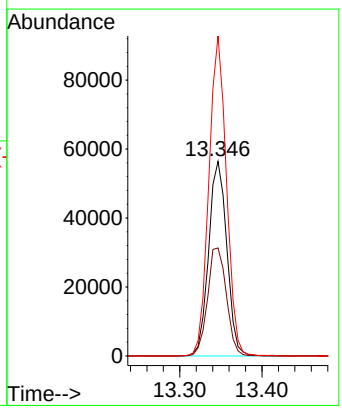




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion:152 Resp: 86500

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	158.9	0.0	349.6



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.6
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.9
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
2,2-Dichloropropane	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.8
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
1,1-Dichloropropene	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.3
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.5
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
1,3-Dichloropropane	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.6
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
1,1,1,2-Tetrachloroethane	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,2,3-Trichloropropane	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.6
Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.6
n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.4
2-Chlorotoluene	2.378	2.742	2.654	2.676	2.666	2.828	2.657	5.7
1,3,5-Trimethylbenzene	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.8
4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.2
tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.4
1,2,4-Trimethylbenzene	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.9
sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.9
p-Isopropyltoluene	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3

* 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.

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.7
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
Hexachlorobutadiene	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.5
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6
trans-1,4-Dichloro-2-butene	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.6

* 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 : 82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022491.D 10 =VY022492.D 20 =VY022493.D 50 =VY022494.D 100 =VY022495.D 150 =VY022496.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13.03
3)	P	Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.28
4)	C	Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.82#
5)	T	Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.82
6)	T	Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.84
7)	T	Trichlorofluor...	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.47
8)	T	Diethyl Ether	0.258	0.335	0.315	0.291	0.279	0.283	0.293	9.35
9)	T	1,1,2-Trichlor...	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.08
10)	T	Methyl Iodide	0.456	0.606	0.609	0.644	0.632	0.616	0.594	11.60
11)	T	Tert butyl alc...	0.034	0.046	0.045	0.039	0.038	0.038	0.040	11.73
12)	CM	1,1-Dichloroet...	0.469	0.577	0.549	0.518	0.510	0.523	0.524	6.96#
13)	T	Acrolein	0.056	0.046	0.053	0.048	0.050	0.046	0.050	8.21
14)	T	Allyl chloride	0.751	0.911	0.850	0.806	0.804	0.817	0.823	6.51
15)	T	Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.94
16)	T	Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.55
17)	T	Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.17
18)	T	Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.94
19)	T	Methyl tert-bu...	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.39
20)	T	Methylene Chlo...	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.74
21)	T	trans-1,2-Dich...	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.39
22)	T	Diisopropyl ether	1.616	1.984	1.933	1.818	1.800	1.842	1.832	6.96
23)	T	Vinyl Acetate	0.910	1.143	1.145	1.083	1.099	1.126	1.084	8.20
24)	P	1,1-Dichloroet...	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7.00
25)	T	2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.62
26)	T	2,2-Dichloropr...	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.84
27)	T	cis-1,2-Dichlo...	0.592	0.731	0.706	0.682	0.668	0.691	0.678	6.98
28)	T	Bromochloromet...	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.86
29)	T	Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.60
30)	C	Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.93#
31)	T	Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.22
32)	T	1,1,1-Trichlor...	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.36
33)	S	1,2-Dichloroet...	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.10
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.22
36)	T	1,1-Dichloropr...	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.30
37)	T	Ethyl Acetate	0.181	0.217	0.231	0.229	0.221	0.216	0.216	8.41
38)	T	Carbon Tetrach...	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.49
39)	T	Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.85
40)	TM	Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.67
41)	T	Methacrylonitrile	0.119	0.123	0.132	0.125	0.135	0.124	0.126	4.74
42)	TM	1,2-Dichloroet...	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.39
43)	T	Isopropyl Acetate	0.377	0.497	0.499	0.478	0.475	0.474	0.467	9.72
44)	TM	Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.73
45)	C	1,2-Dichloropr...	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.61#
46)	T	Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.46
47)	T	Bromodichlorom...	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.71
48)	T	Methyl methacr...	0.183	0.220	0.234	0.222	0.226	0.229	0.219	8.29
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.002	0.002	9.33
50)	S	Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.25
51)	T	4-Methyl-2-Pen...	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.13
52)	CM	Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.76#
53)	T	t-1,3-Dichloro...	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.20
54)	T	cis-1,3-Dichlo...	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.67
55)	T	1,1,2-Trichlor...	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.73
56)	T	Ethyl methacry...	0.257	0.357	0.370	0.363	0.373	0.383	0.351	13.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M

57)	T	1,3-Dichloropr...	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.57
58)	T	2-Chloroethyl ...	0.137	0.143	0.160	0.159	0.174	0.181	0.159	10.80
59)	T	2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.34
60)	T	Dibromochlorom...	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.61
61)	T	1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.87
62)	S	4-Bromofluorob...	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.62
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.66
65)	PM	Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.54
66)	T	1,1,1,2-Tetrac...	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.51
67)	C	Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.90#
68)	T	m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.94
69)	T	o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11.05
70)	T	Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.93
71)	P	Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.26
74)	T	N-amyl acetate	0.754	1.078	1.081	1.072	1.103	1.127	1.036	13.49
75)	P	1,1,2,2-Tetrac...	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.25
76)	T	1,2,3-Trichlor...	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.62
77)	T	Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.63
78)	T	n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.40
79)	T	2-Chlorotoluene	2.378	2.742	2.653	2.676	2.666	2.828	2.657	5.71
80)	T	1,3,5-Trimethy...	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.77
81)	T	trans-1,4-Dich...	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.60
82)	T	4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.23
83)	T	tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.41
84)	T	1,2,4-Trimethy...	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.89
85)	T	sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.89
86)	T	p-Isopropyltol...	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10.04
87)	T	1,3-Dichlorobe...	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.29
88)	T	1,4-Dichlorobe...	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.34
89)	T	n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.72
90)	T	Hexachloroethane	0.632	0.745	0.712	0.716	0.709	0.751	0.711	6.01
91)	T	1,2-Dichlorobe...	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.35
92)	T	1,2-Dibromo-3-...	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.72
93)	T	1,2,4-Trichlor...	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.20
94)	T	Hexachlorobuta...	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.46
95)	T	Naphthalene	1.187	1.604	1.614	1.620	1.663	1.670	1.560	11.84
96)	T	1,2,3-Trichlor...	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.33

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#			
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#			
50) Toluene-d8	10.109	98	37729	4.482	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#			
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l		99
3) Chloromethane	2.068	50	26535	5.119	ug/l		98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l		98
5) Bromomethane	2.598	94	27457	4.784	ug/l		98
6) Chloroethane	2.739	64	19566	4.710	ug/l		95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l		92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l		92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l		97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l	#	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l	#	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l		97
13) Acrolein	3.671	56	5656	29.646	ug/l		95
14) Allyl chloride	4.391	41	15096	4.693	ug/l		98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l		97
16) Acetone	3.885	43	13023	30.108	ug/l	#	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l		99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l		96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l		97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l		89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l		86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l		95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l		98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l		97
25) 2-Butanone	6.909	43	14423	22.605	ug/l		95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l		99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l		98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l		100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l		95
30) Chloroform	7.427	83	19302	4.620	ug/l		87
31) Cyclohexane	7.707	56	23482	5.519	ug/l	#	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l		98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l		99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l		
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l		95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l		95
40) Benzene	8.085	78	42926	4.326	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l	#	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l		99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l		95
44) Trichloroethene	8.872	130	10404	4.292	ug/l		79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l		100
46) Dibromomethane	9.244	93	5596	4.223	ug/l		95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l		96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l		91
49) 1,4-Dioxane	9.231	88	1356m	85.767	ug/l		
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l		98
52) Toluene	10.170	92	25893	4.150	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l		91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l		98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l		94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l		97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l		94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l		94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l		100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l		95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l		94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l		96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l		99
69) o-Xylene	11.956	106	16866	4.075	ug/l		95
70) Styrene	11.975	104	26313	3.840	ug/l		99
71) Bromoform	12.133	173	4649	4.159	ug/l	#	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l		100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432	ug/l		
77) Bromobenzene	12.536	156	9241	4.234	ug/l		95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l		98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l		96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l		99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l		100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l		99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l		91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l		100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l		95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l		98
95) Naphthalene	15.145	128	15167	3.859	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

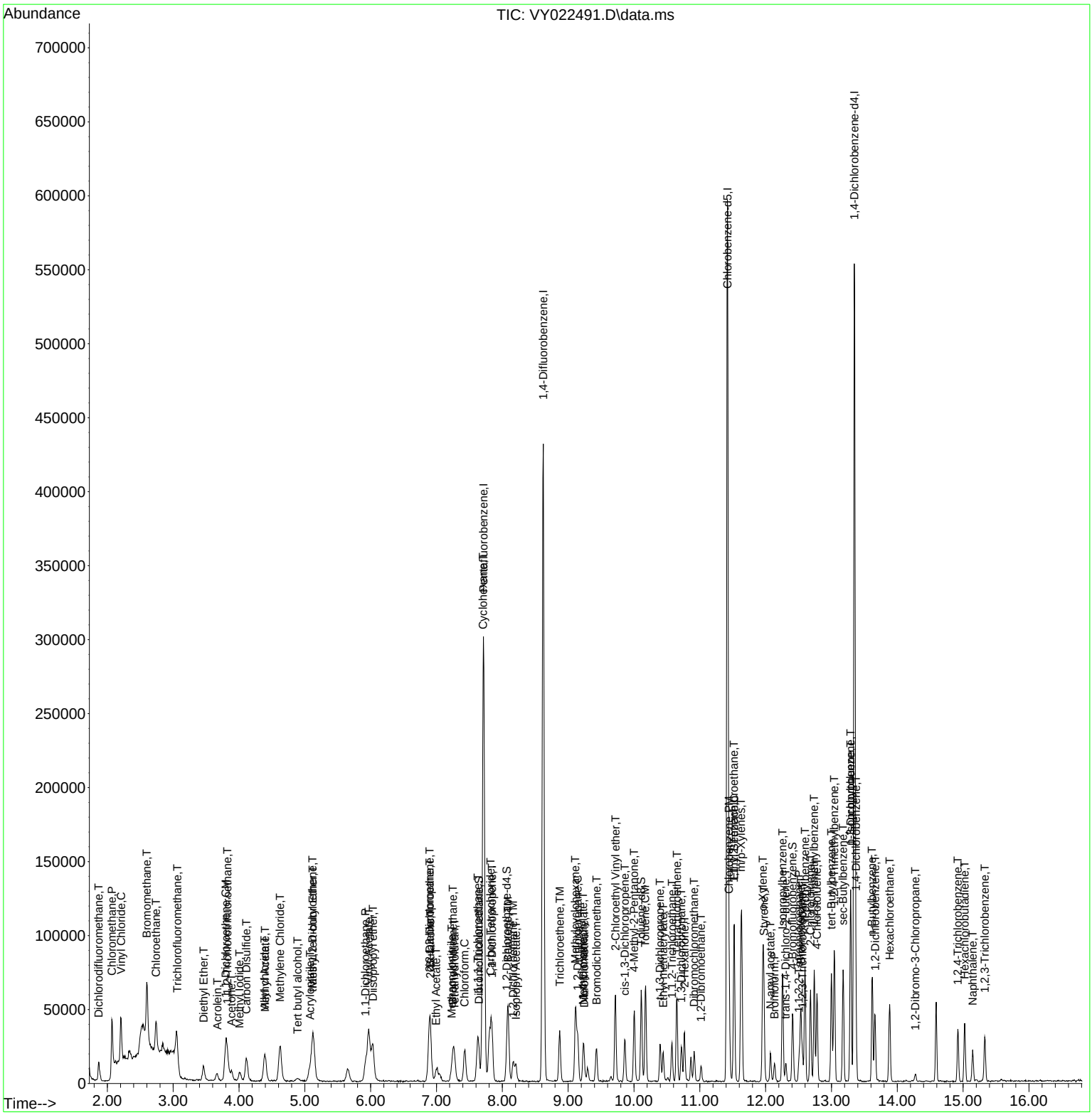
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

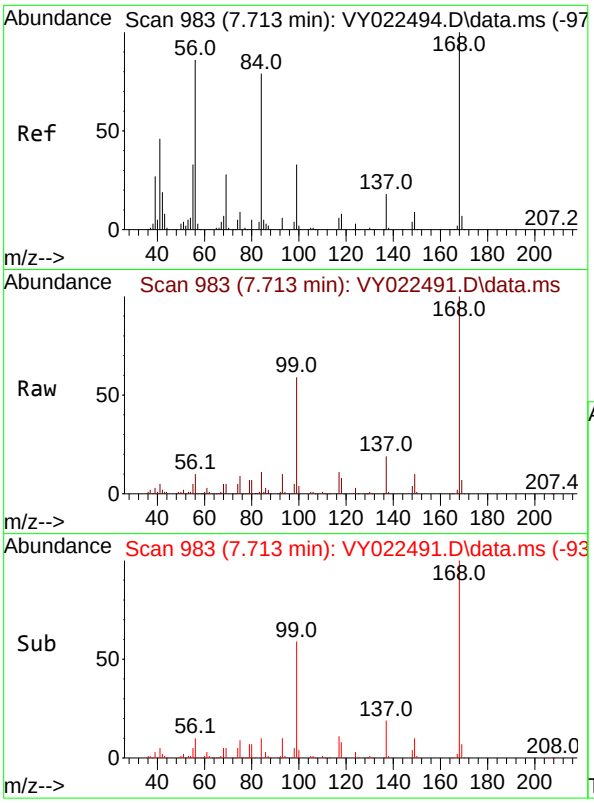
Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

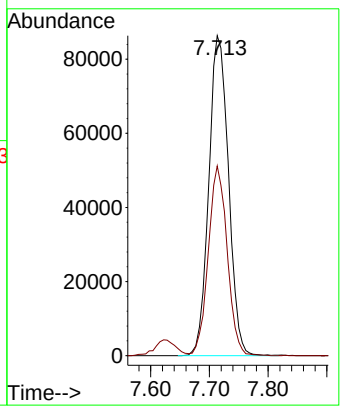




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:168 Resp: 20108

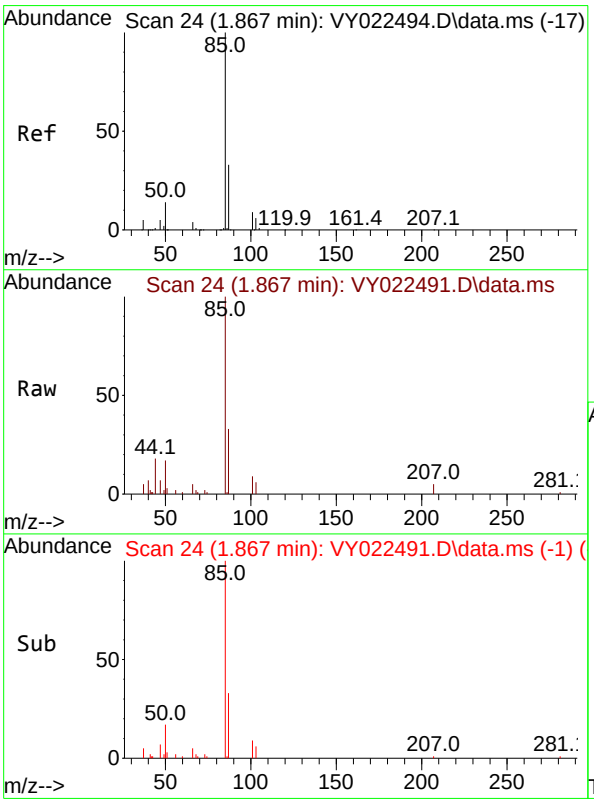
Ion	Ratio	Lower	Upper
168	100		
99	59.3	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

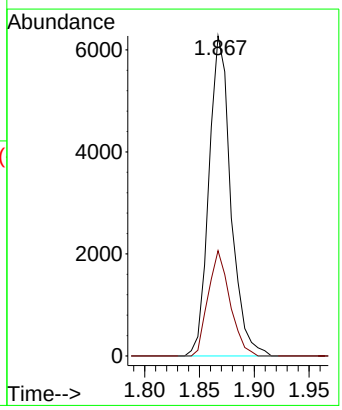
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

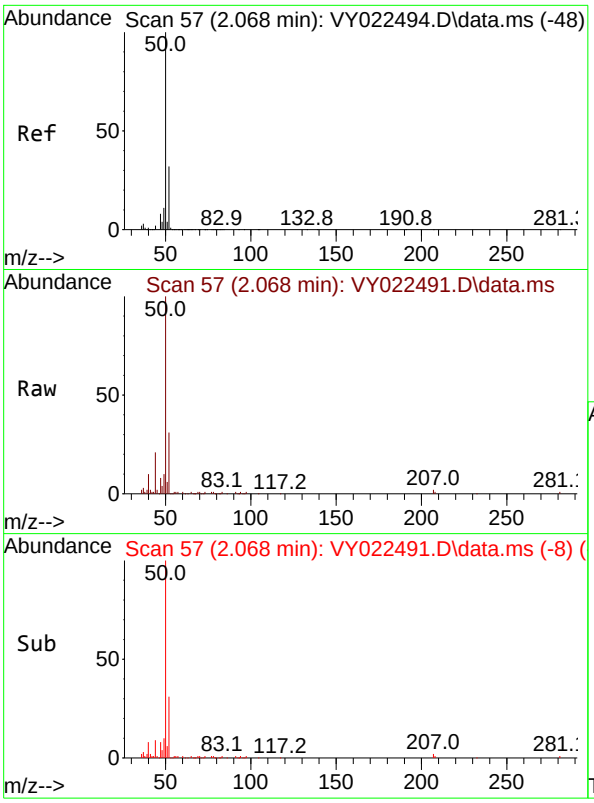


#2
Dichlorodifluoromethane
Concen: 4.961 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 85 Resp: 8717

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.0

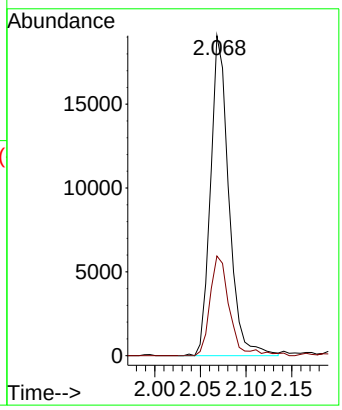




#3
Chloromethane
Concen: 5.119 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 50 Resp: 2653

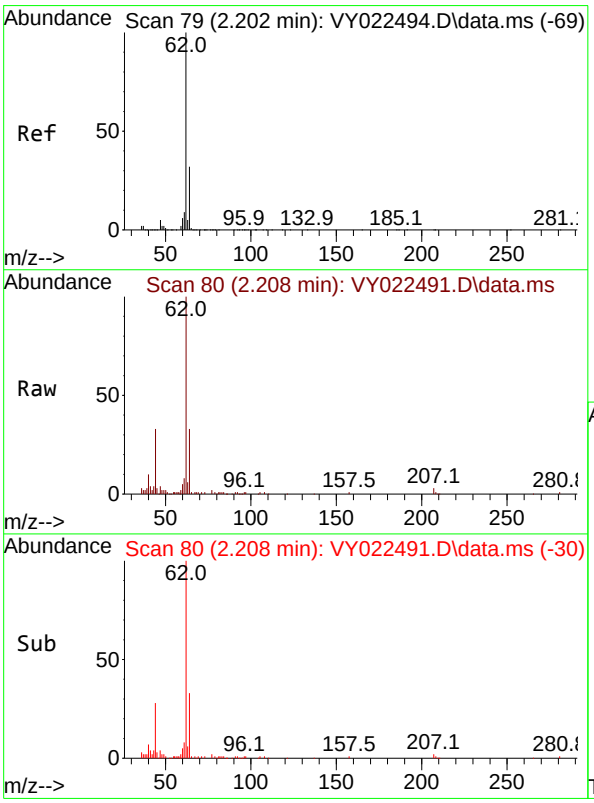
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

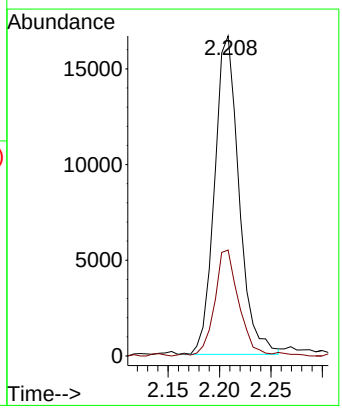
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

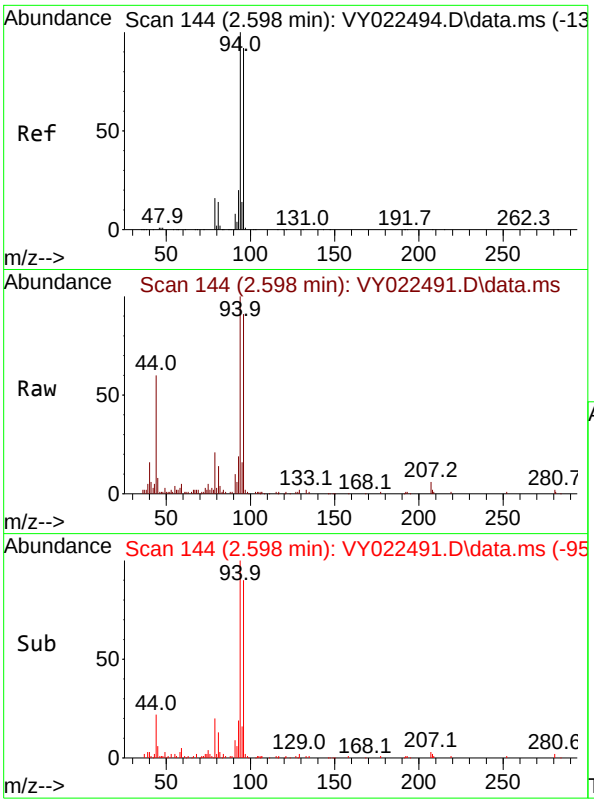


#4
Vinyl Chloride
Concen: 4.544 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 27572

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.3	37.9





#5
Bromomethane
Concen: 4.784 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

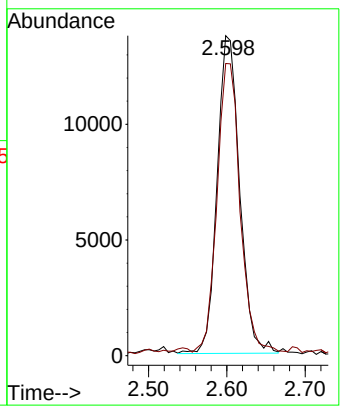
Tgt Ion: 94 Resp: 2745

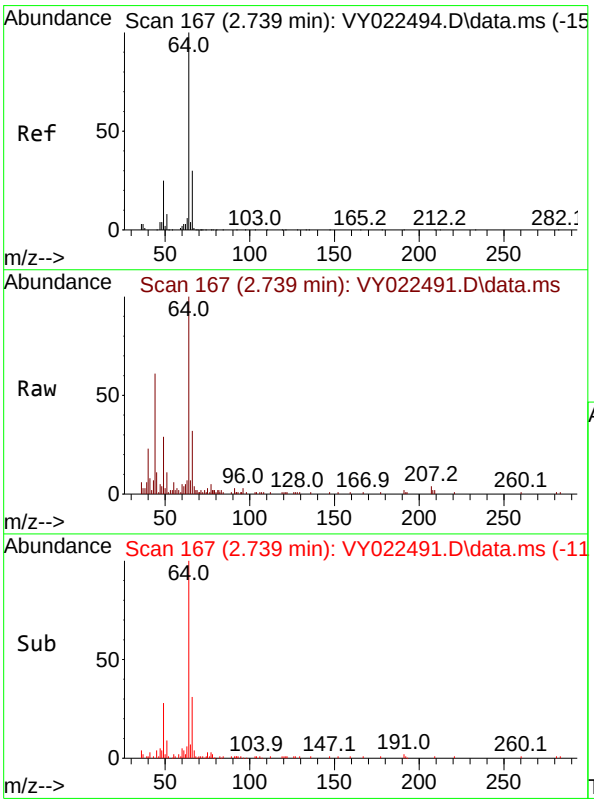
Ion	Ratio	Lower	Upper
94	100		
96	90.5	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

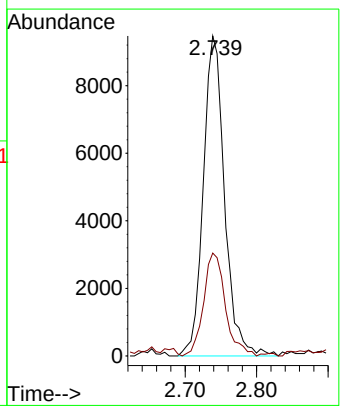


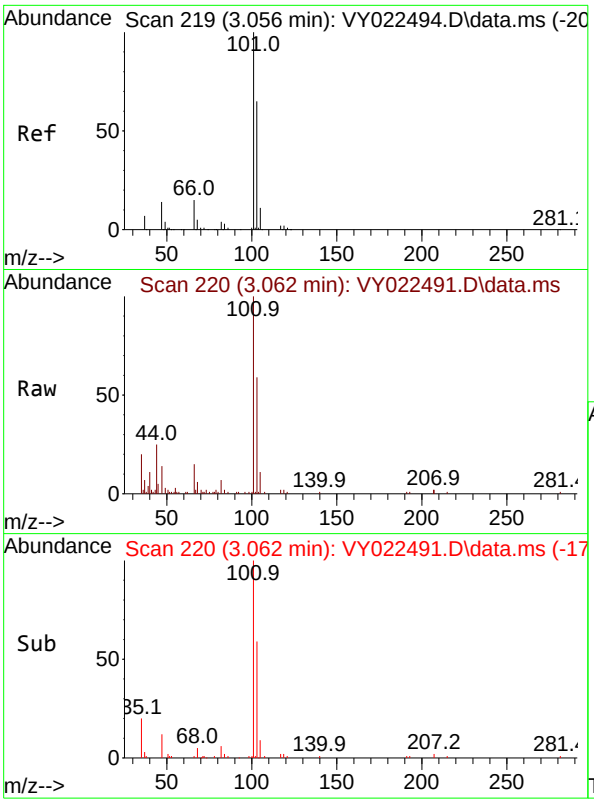


#6
Chloroethane
Concen: 4.710 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 64 Resp: 19566

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6

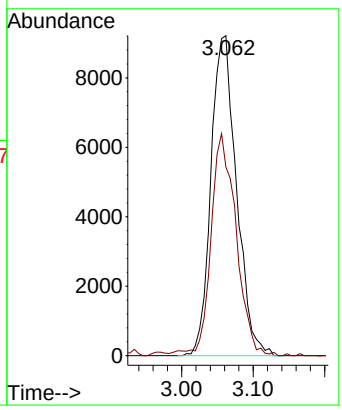




#7
Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:101 Resp: 2282

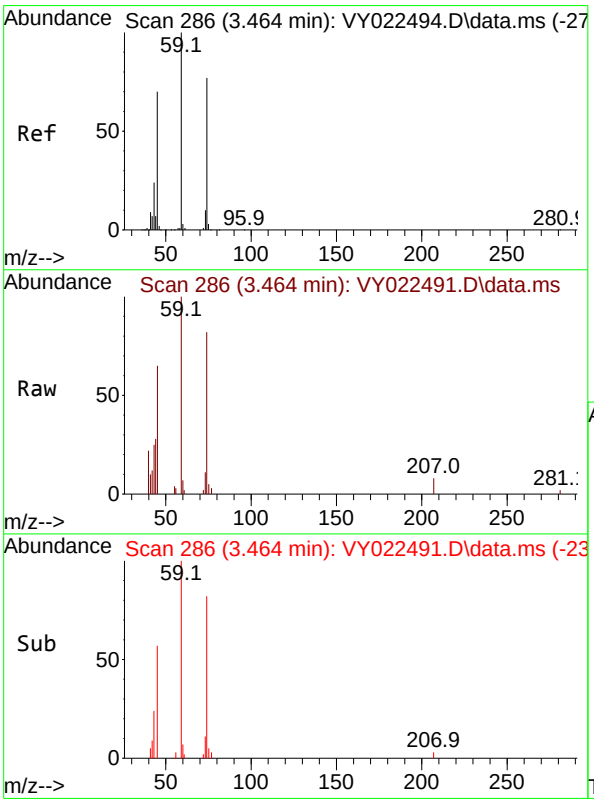
Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

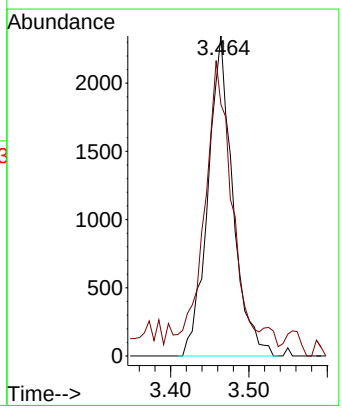
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

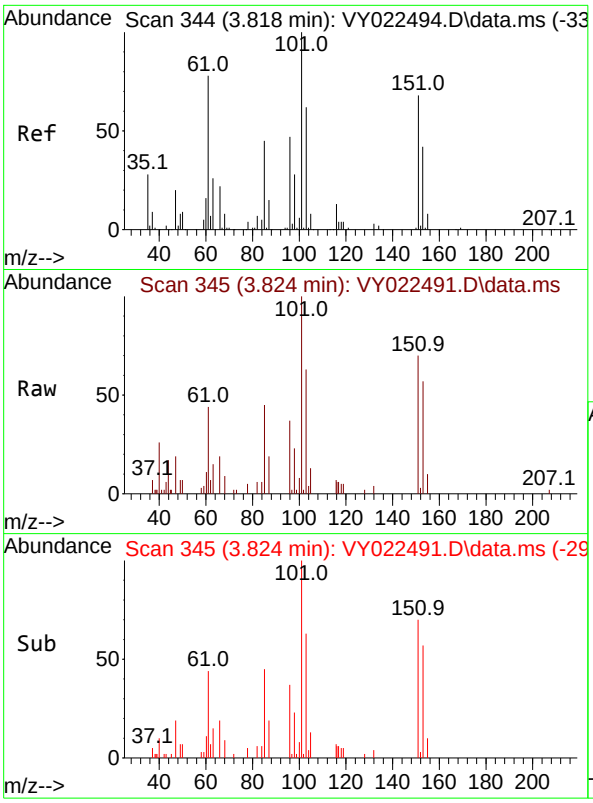


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 74 Resp: 5184

Ion	Ratio	Lower	Upper
74	100		
45	98.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.744 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

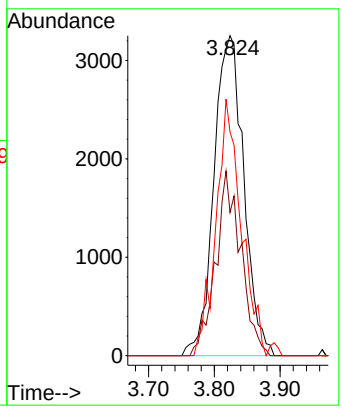
Tgt Ion:101 Resp: 1025

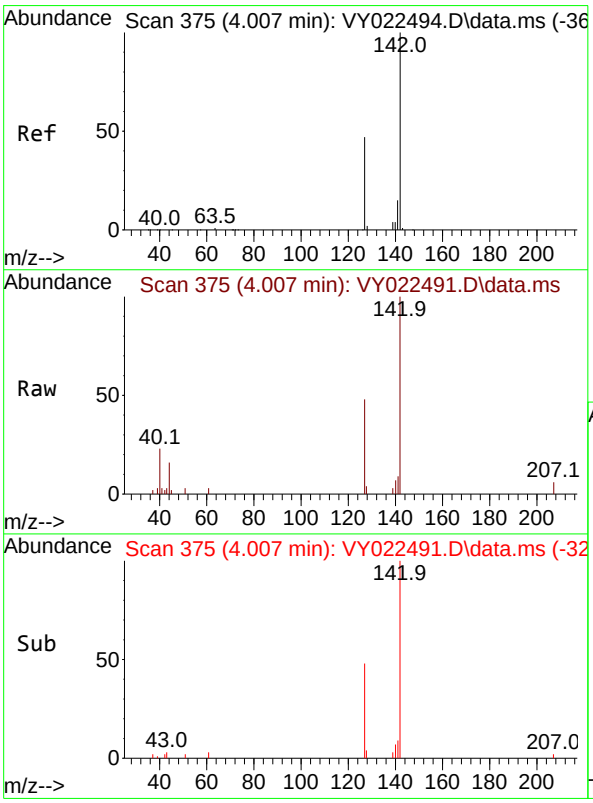
Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.3	58.9
151	67.9	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

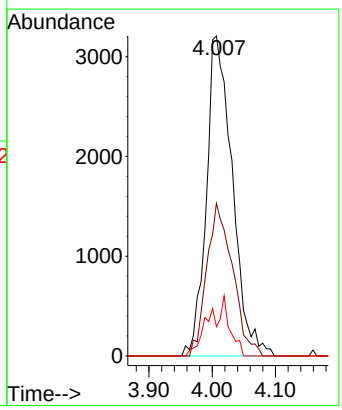


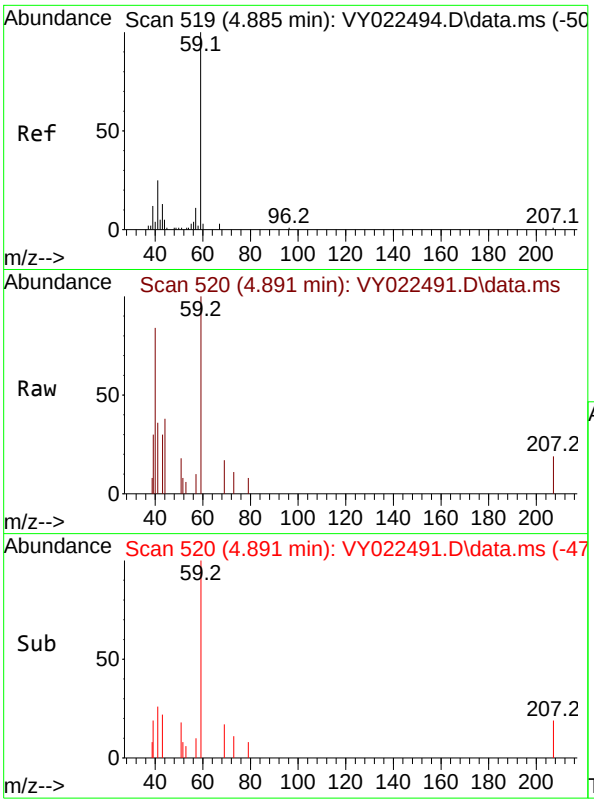


#10
Methyl Iodide
Concen: 3.956 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:142 Resp: 9174

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	7.8	11.4	17.2#

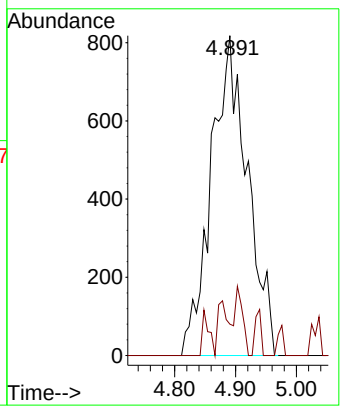




#11
Tert butyl alcohol
Concen: 21.587 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 59 Resp: 337

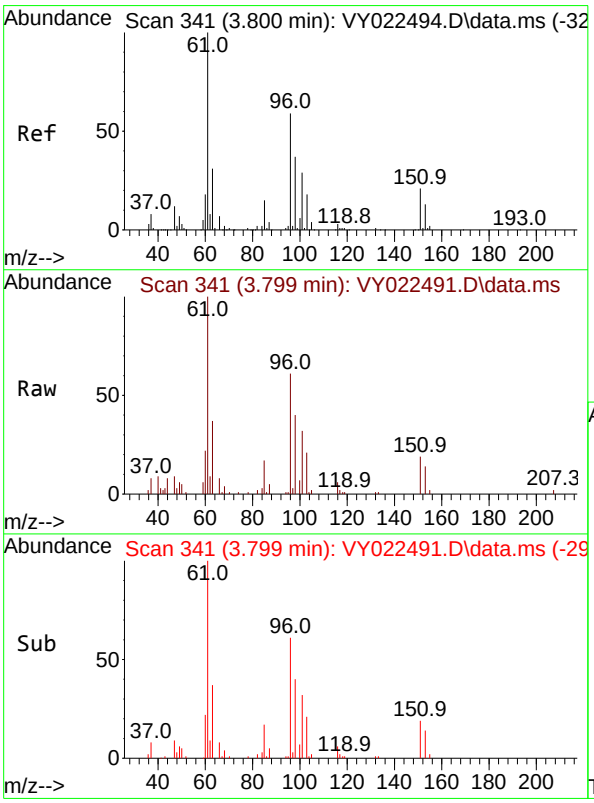
Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

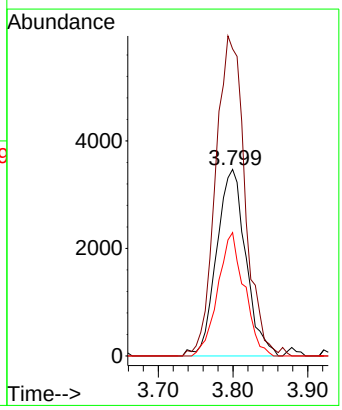
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

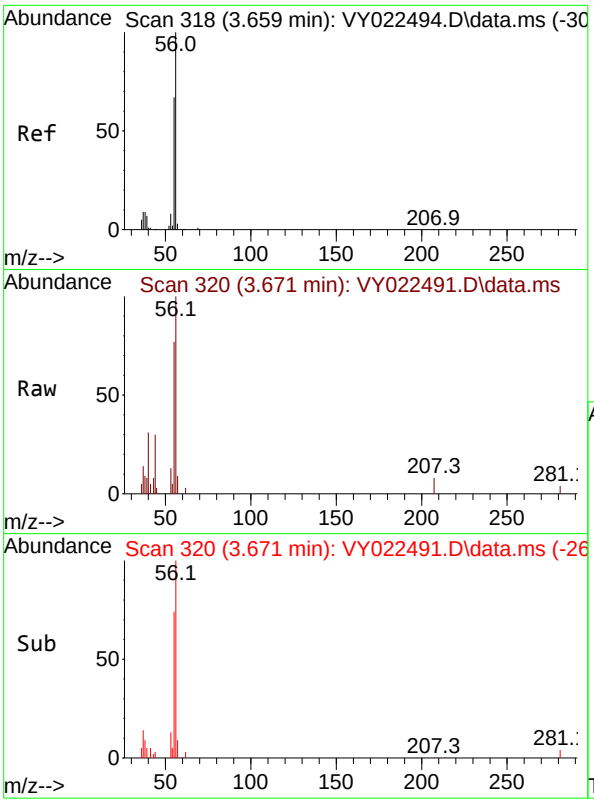


#12
1,1-Dichloroethene
Concen: 4.573 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 9440

Ion	Ratio	Lower	Upper
96	100		
61	164.6	134.6	201.8
98	66.2	50.2	75.4

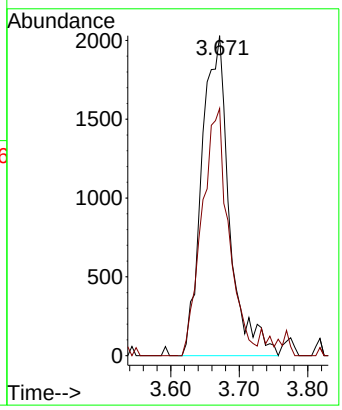




#13
Acrolein
Concen: 29.646 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 56 Resp: 565

Ion	Ratio	Lower	Upper
56	100		
55	75.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
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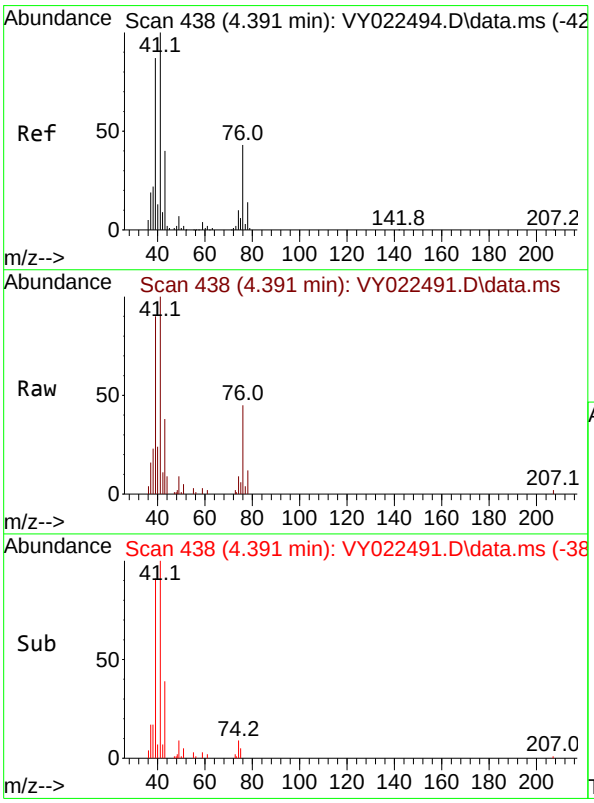
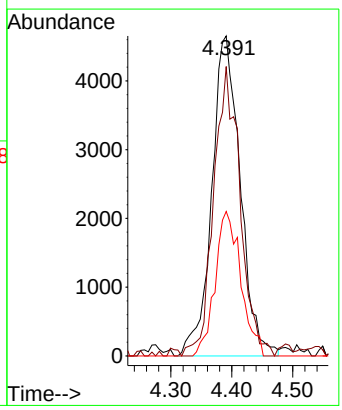
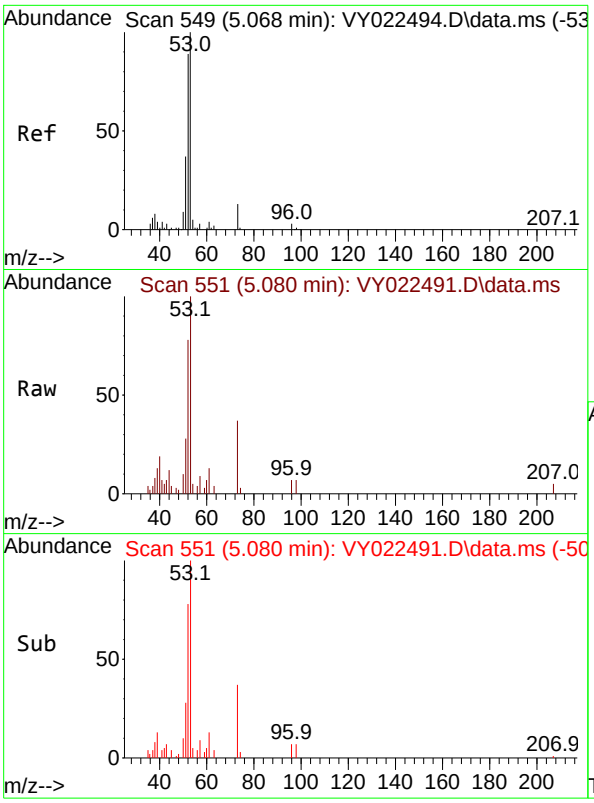


#14
Allyl chloride
Concen: 4.693 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 15096

Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.1	103.7
76	40.8	33.5	50.3

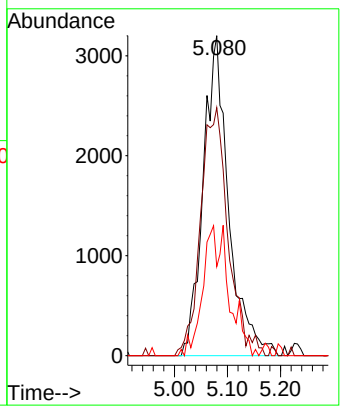




#15
Acrylonitrile
Concen: 22.026 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 53 Resp: 1066

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.7	98.5
51	41.4	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
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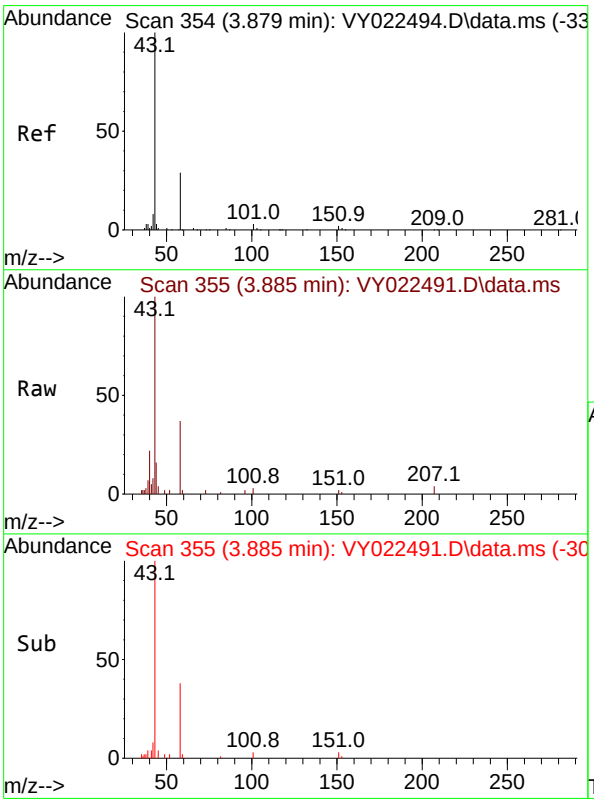
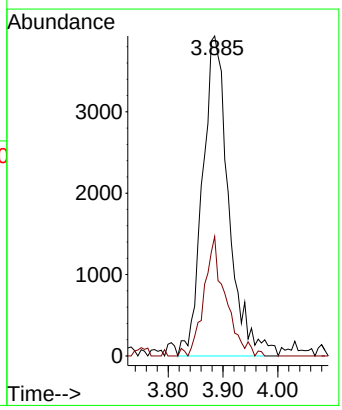
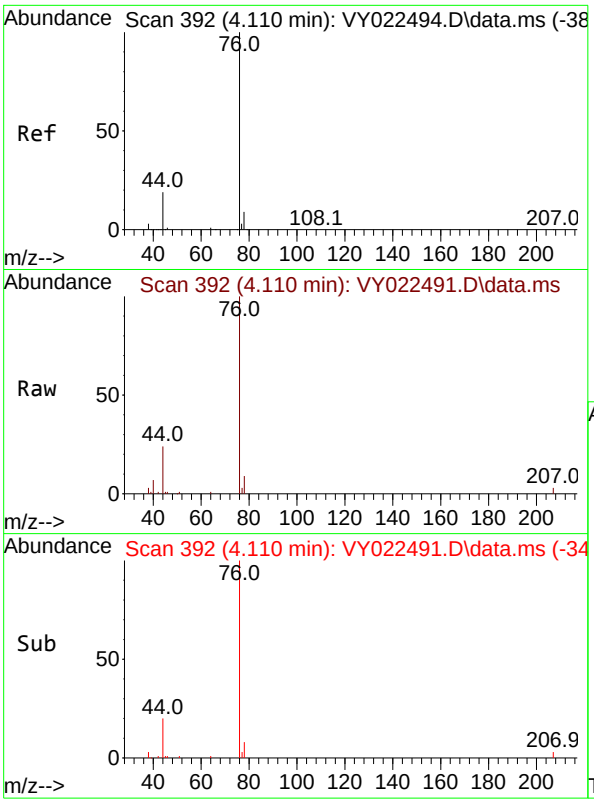


#16
Acetone
Concen: 30.108 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 13023

Ion	Ratio	Lower	Upper
43	100		
58	37.3	24.0	36.0#





#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 76 Resp: 3022

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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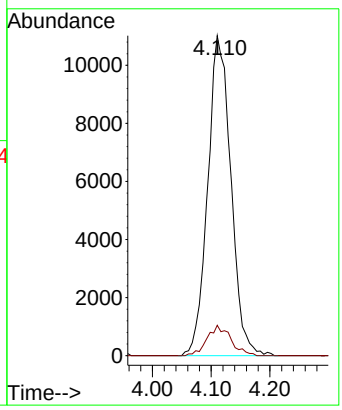
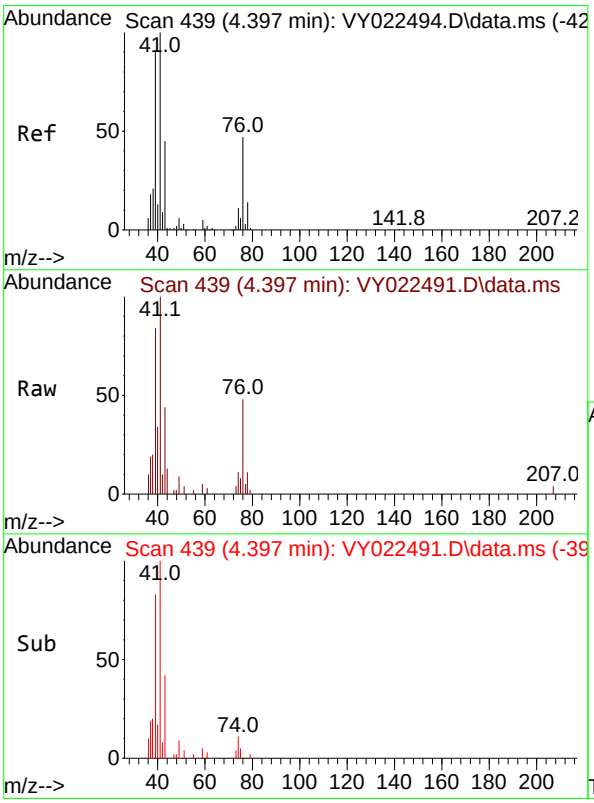
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

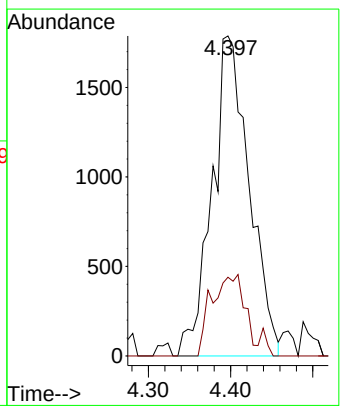


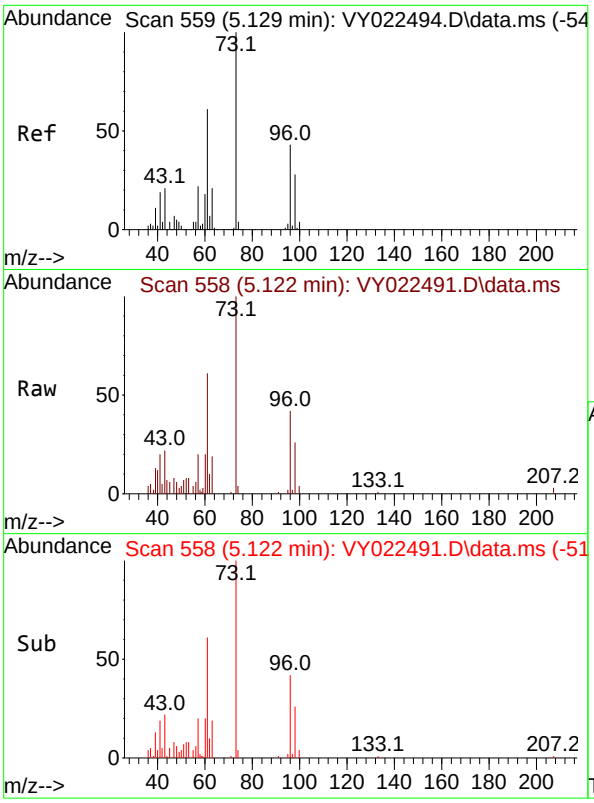


#18
Methyl Acetate
Concen: 4.327 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 5630

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.6

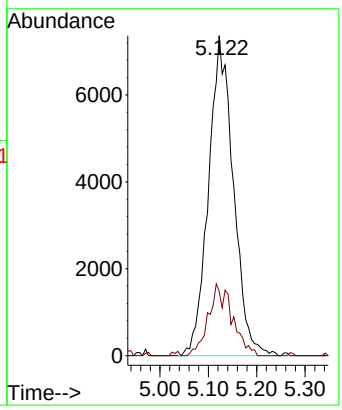




#19
Methyl tert-butyl Ether
Concen: 4.562 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 73 Resp: 2627

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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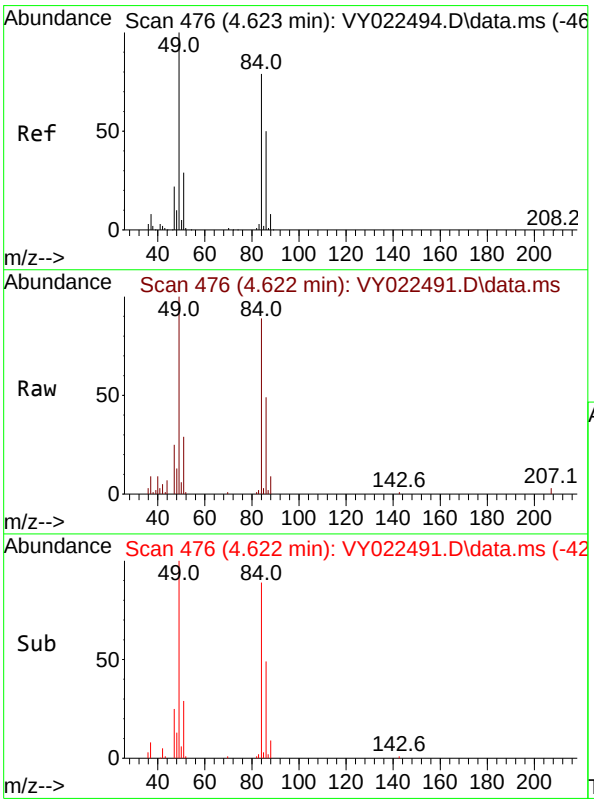
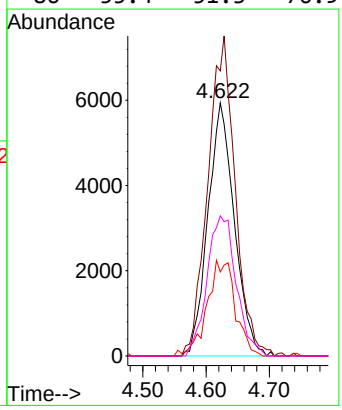
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

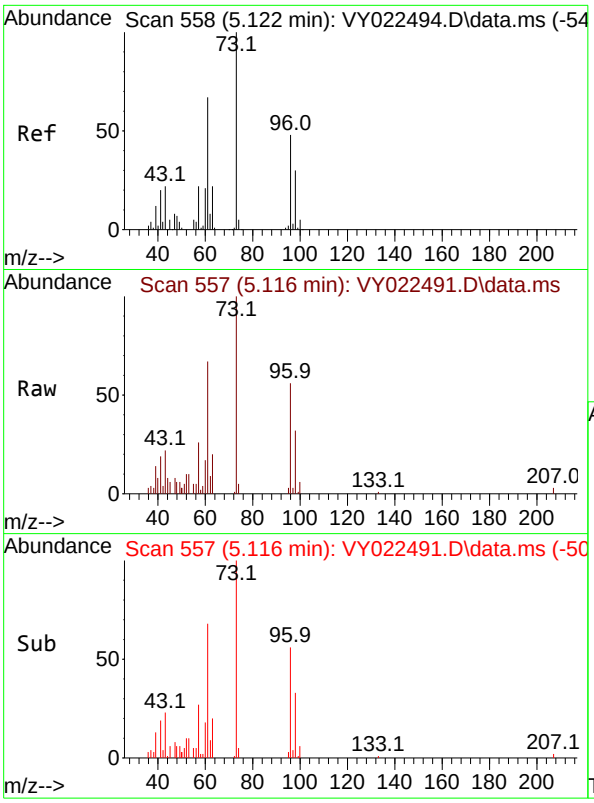


#20
Methylene Chloride
Concen: 7.168 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 84 Resp: 17312

Ion	Ratio	Lower	Upper
84	100		
49	112.6	101.9	152.9
51	33.2	29.8	44.8
86	55.4	51.3	76.9

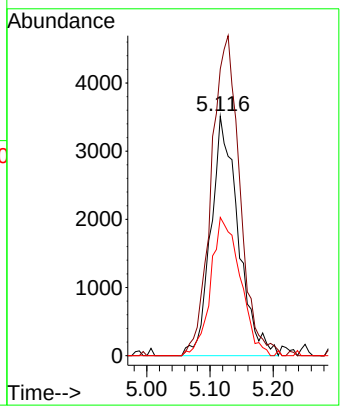




#21
trans-1,2-Dichloroethene
Concen: 4.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 1048

Ion	Ratio	Lower	Upper
96	100		
61	119.8	112.6	169.0
98	57.7	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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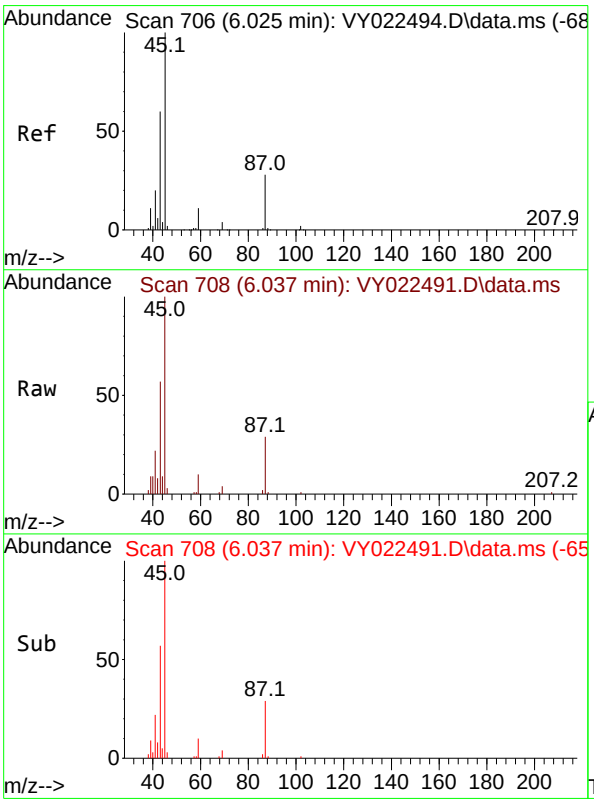
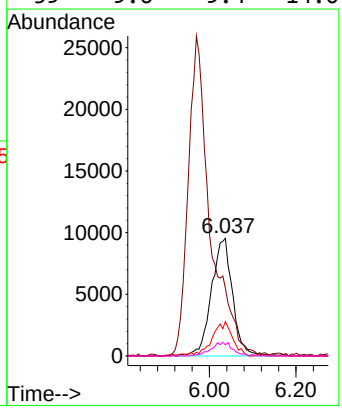
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

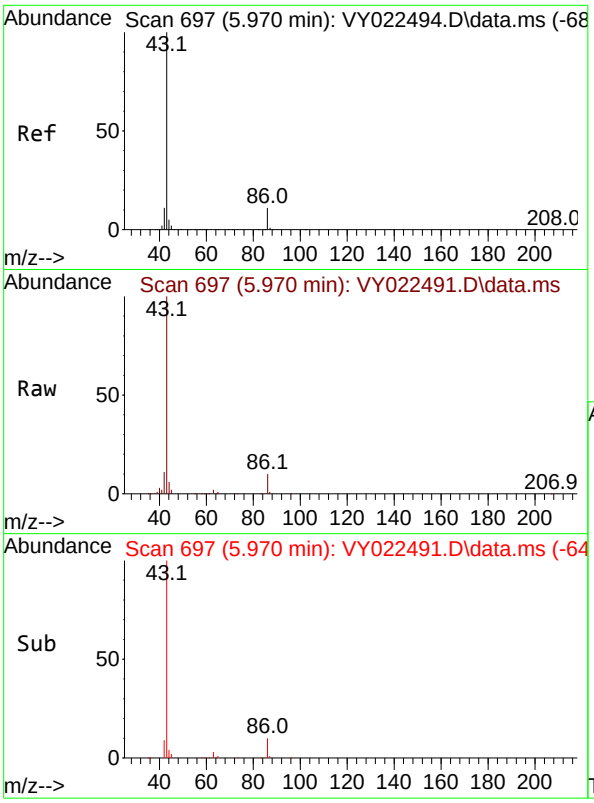


#22
Diisopropyl ether
Concen: 4.544 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 45 Resp: 32497

Ion	Ratio	Lower	Upper
45	100		
43	55.1	48.3	72.5
87	29.3	23.0	34.6
59	9.6	9.4	14.0





#23
Vinyl Acetate
Concen: 21.559 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9147

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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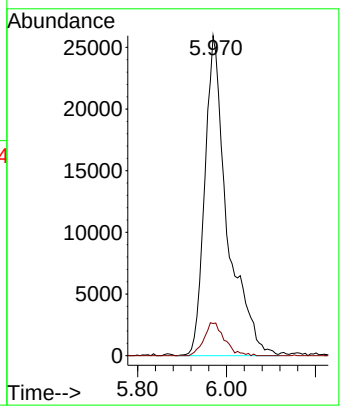
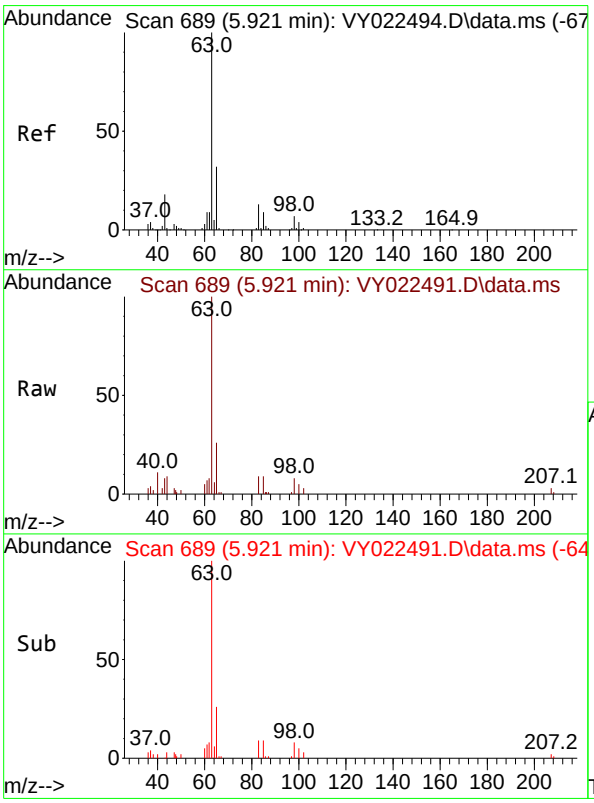
Supervised By :Mahesh Dadoda 06/03/2025

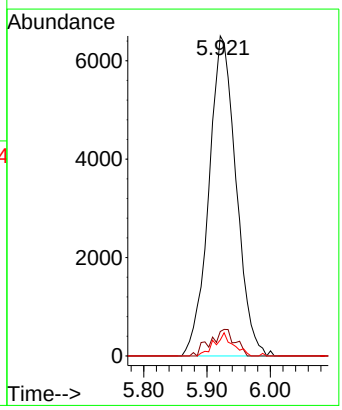


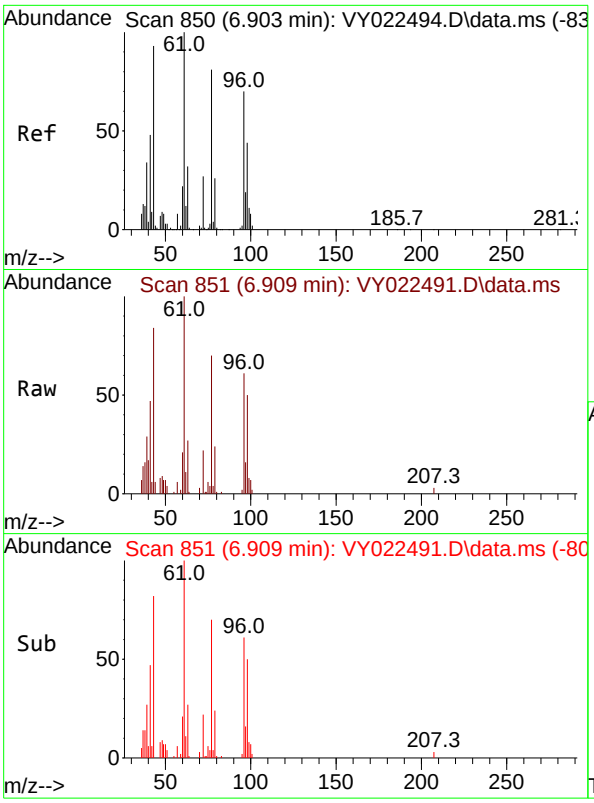


#24
1,1-Dichloroethane
Concen: 4.603 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 19460

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 22.605 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 1442

Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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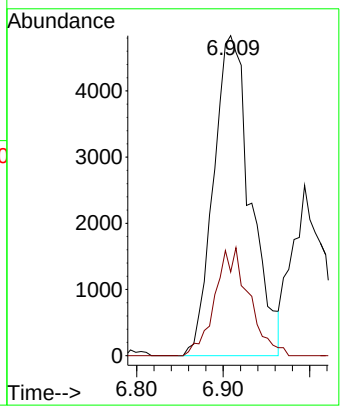
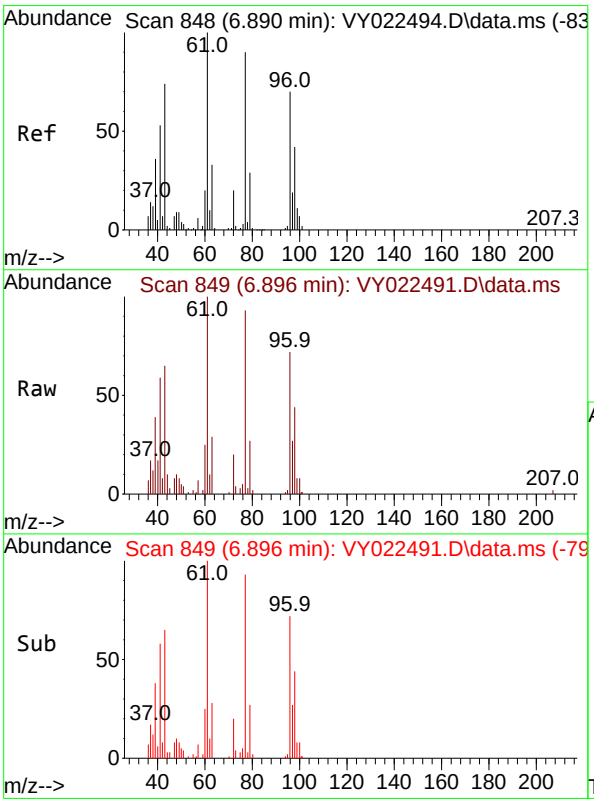
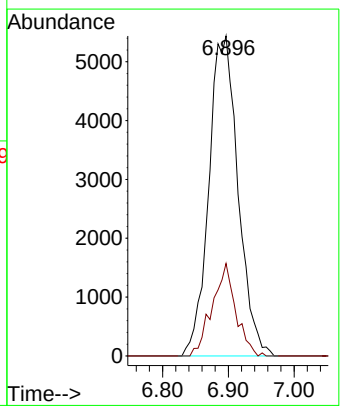


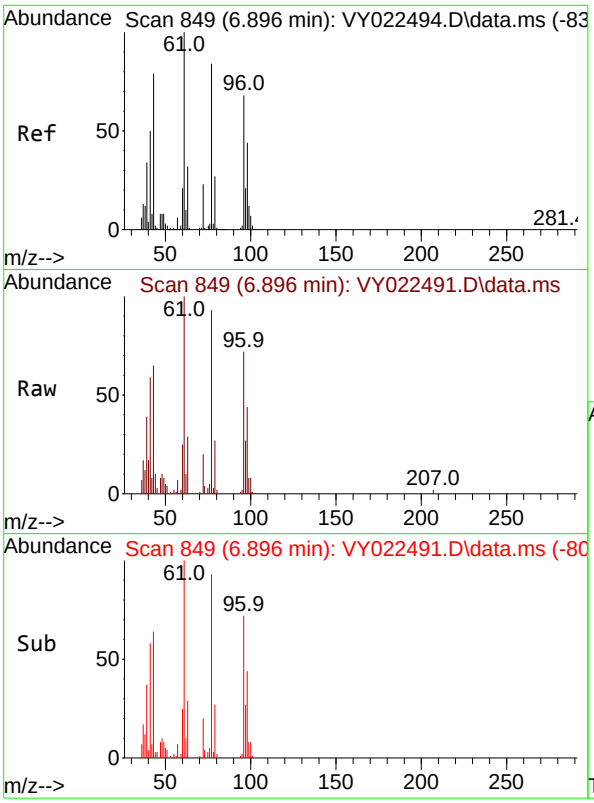


#26
2,2-Dichloropropane
Concen: 4.471 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 77 Resp: 16805

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.4	34.2

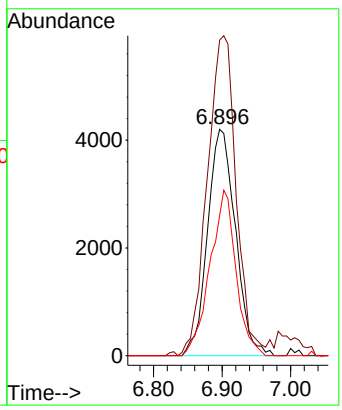




#27
cis-1,2-Dichloroethene
Concen: 4.467 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 1190

Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	290.0
98	67.8	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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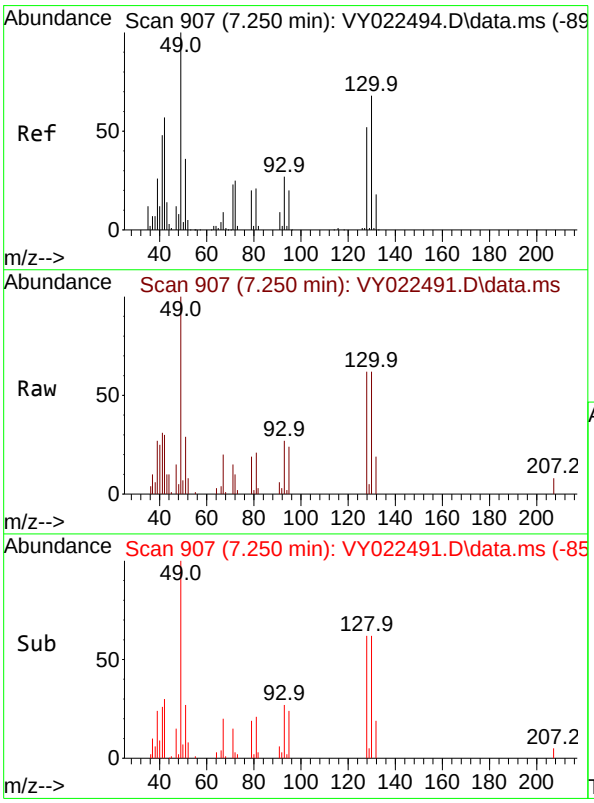
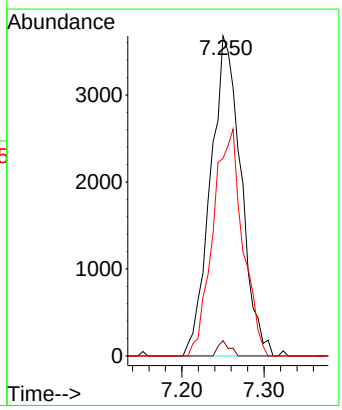
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

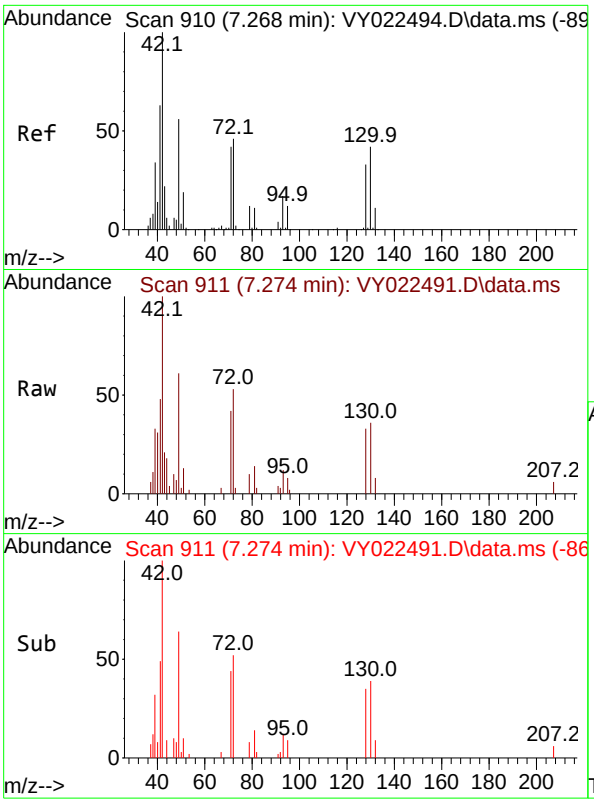


#28
Bromochloromethane
Concen: 5.175 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 49 Resp: 9453

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.5	55.7	83.5

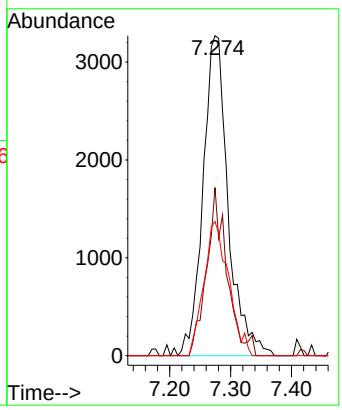




#29
Tetrahydrofuran
Concen: 22.781 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 42 Resp: 937

Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.2
71	41.5	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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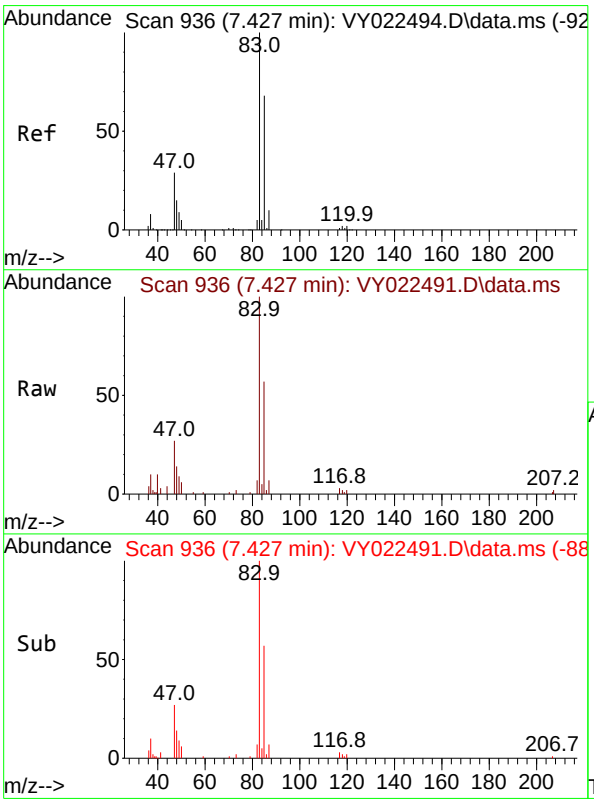
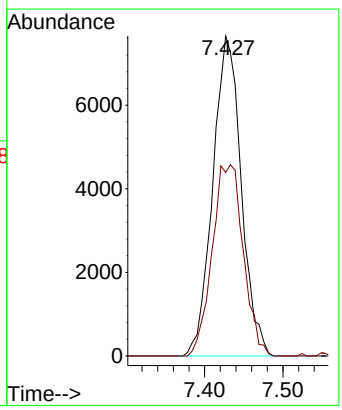
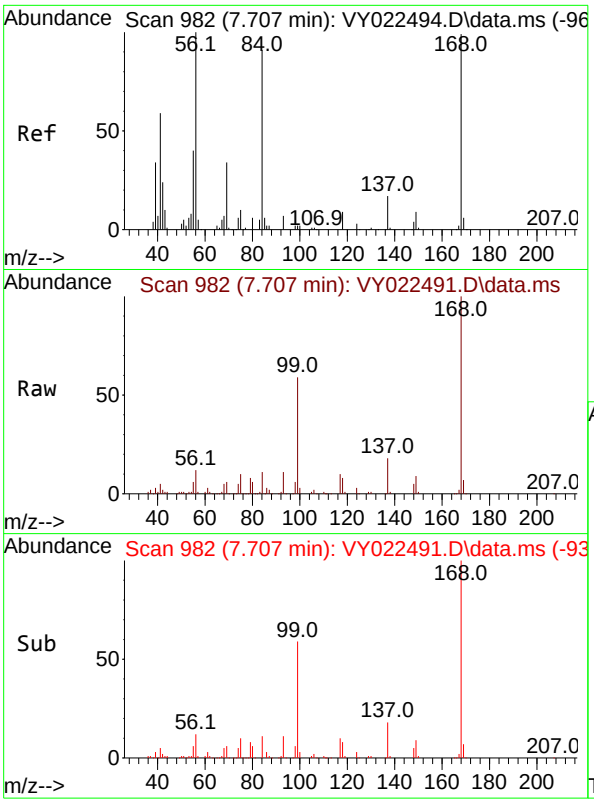


#30
Chloroform
Concen: 4.620 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 19302

Ion	Ratio	Lower	Upper
83	100		
85	57.4	54.2	81.4





#31
Cyclohexane
Concen: 5.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 56 Resp: 2348

Ion	Ratio	Lower	Upper
56	100		
69	51.3	27.0	40.6
84	88.1	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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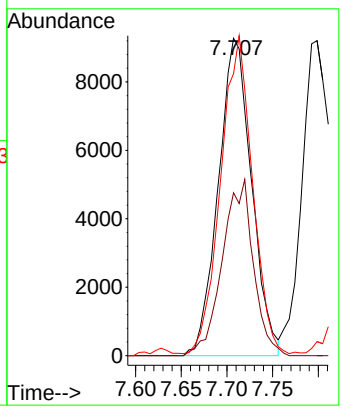
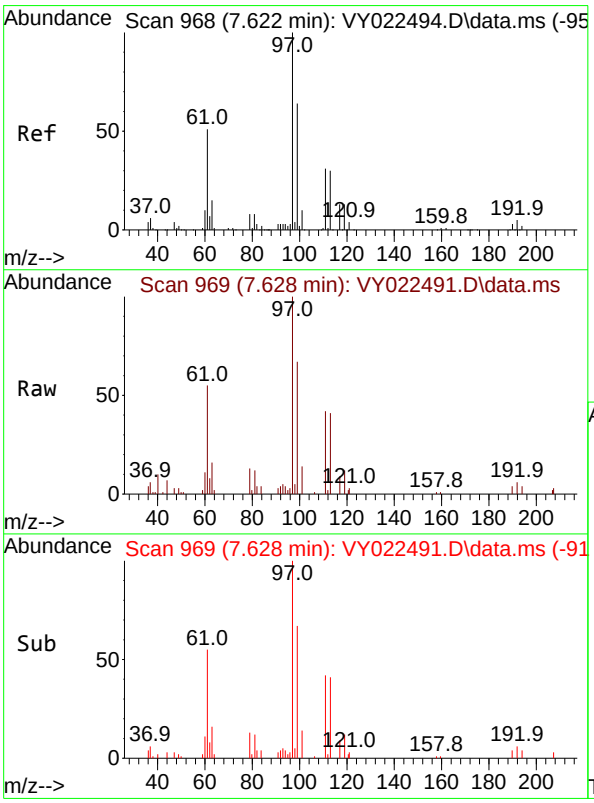
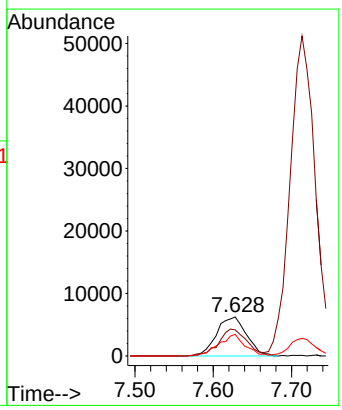


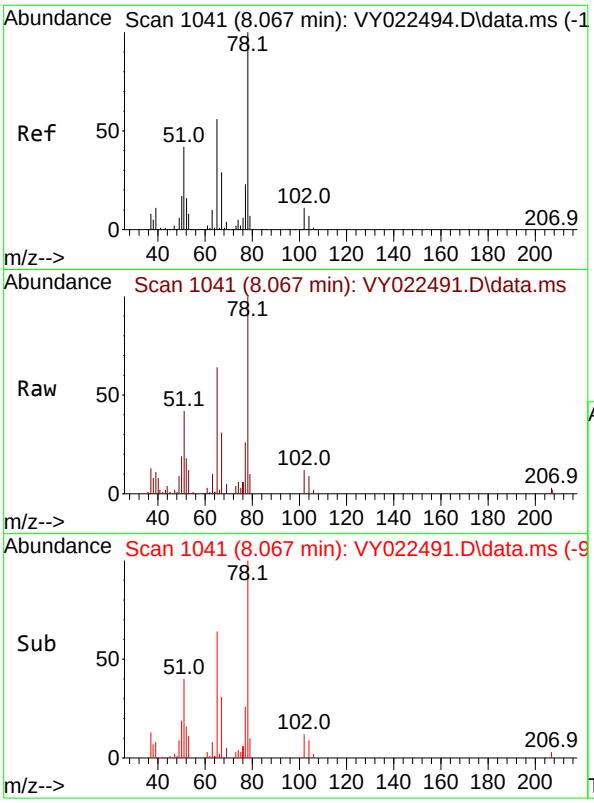


#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 16476

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	48.9	38.5	57.7

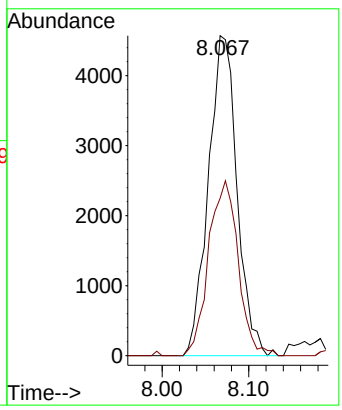




#33
1,2-Dichloroethane-d4
Concen: 4.802 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 65 Resp: 1050

Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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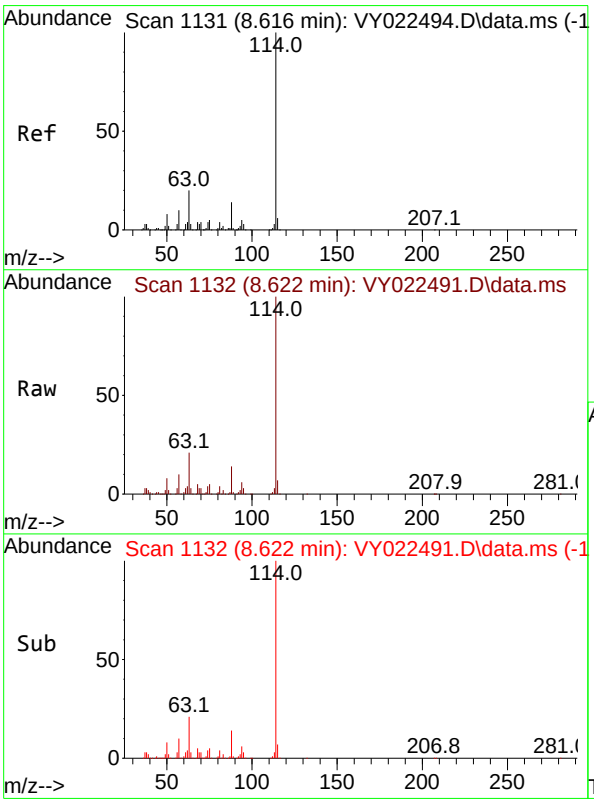
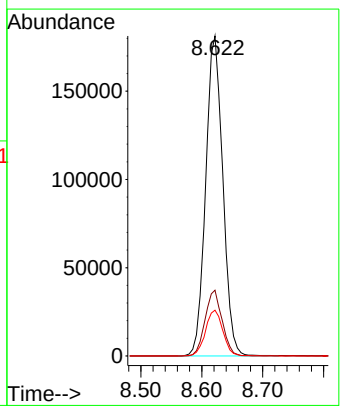
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

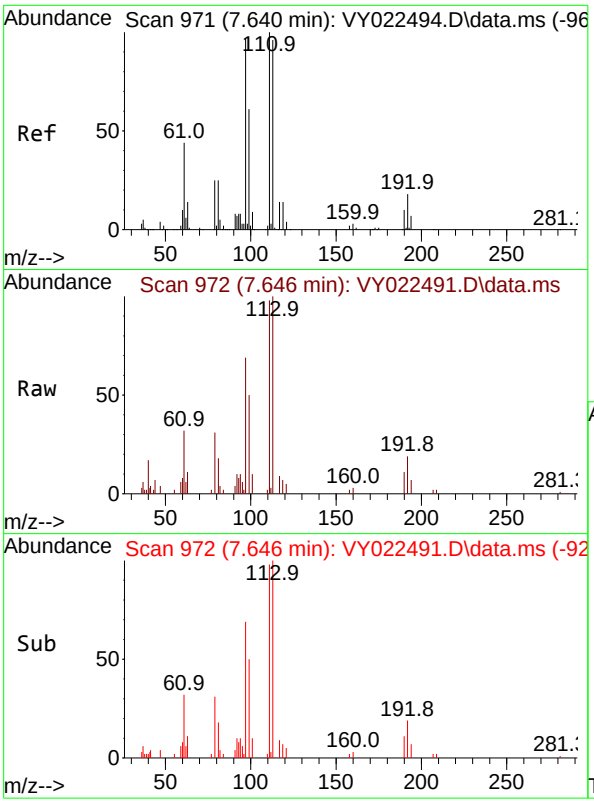


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:114 Resp: 353755

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.3	0.0	27.8





#35
Dibromofluoromethane
Concen: 4.477 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:113 Resp: 932

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.8	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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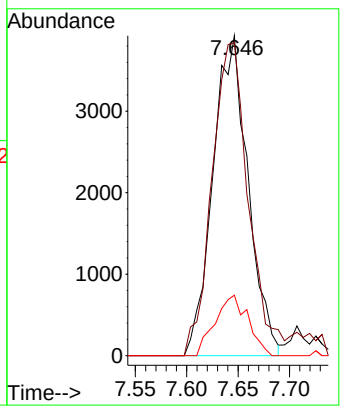
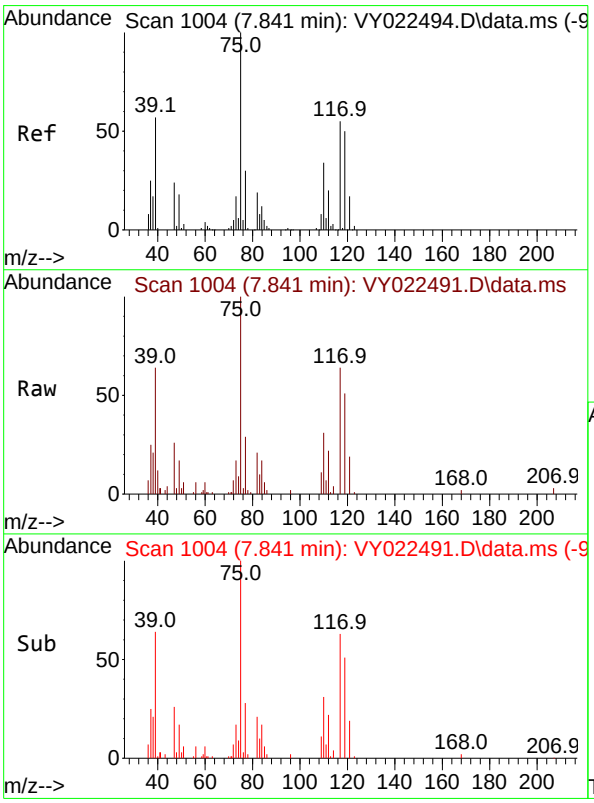
Supervised By :Mahesh Dadoda 06/03/2025

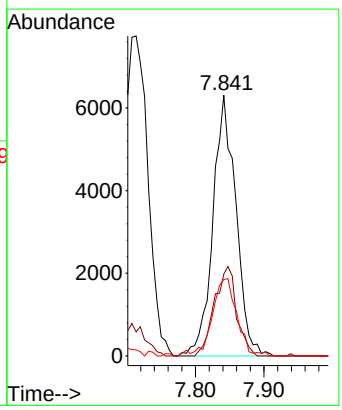


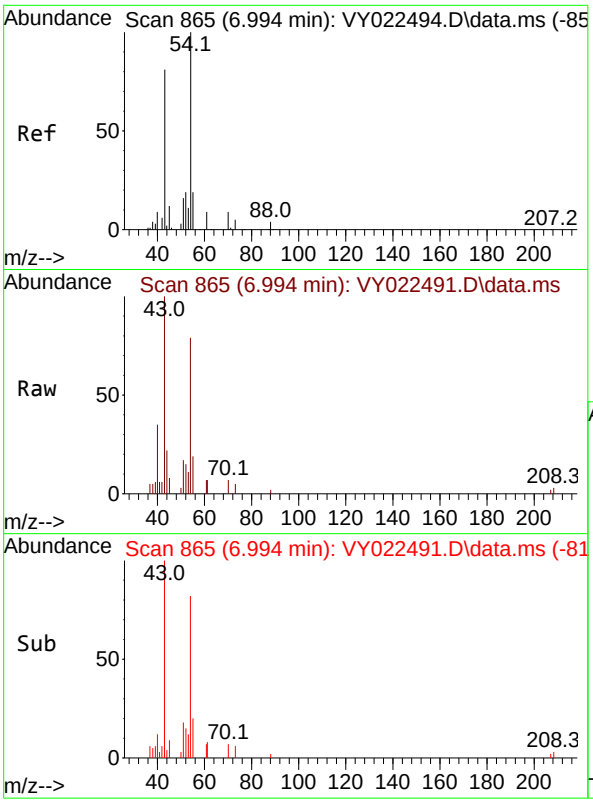


#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14700

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	32.0	24.8	37.2

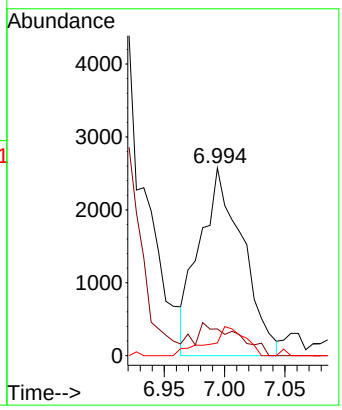




#37
Ethyl Acetate
Concen: 4.326 ug/l m
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 640

Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.5	17.3#
70	12.8	7.2	10.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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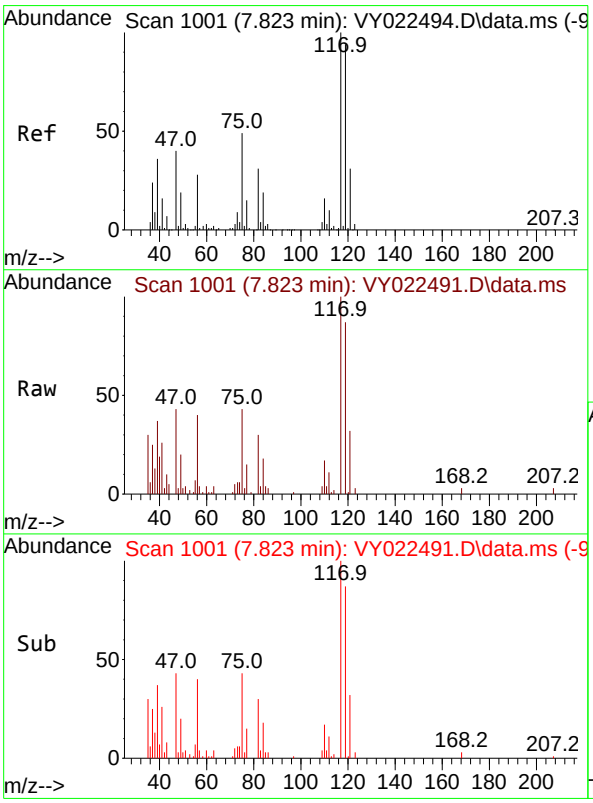
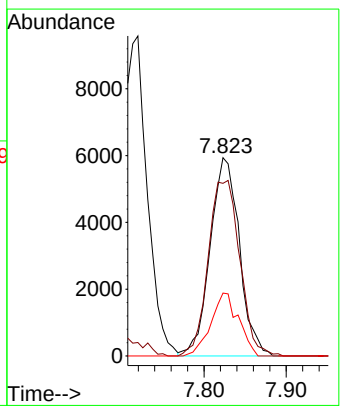
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

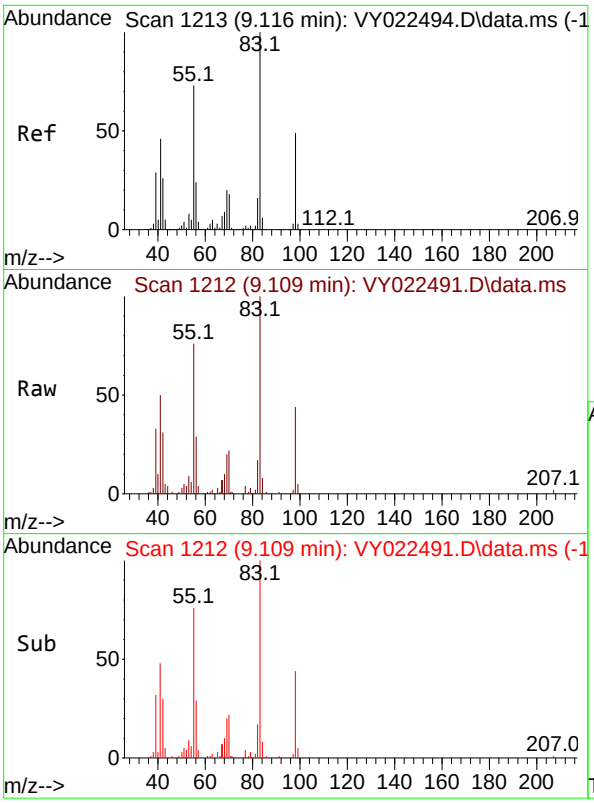


#38
Carbon Tetrachloride
Concen: 4.233 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 14691

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.0	112.6
121	31.7	25.0	37.4

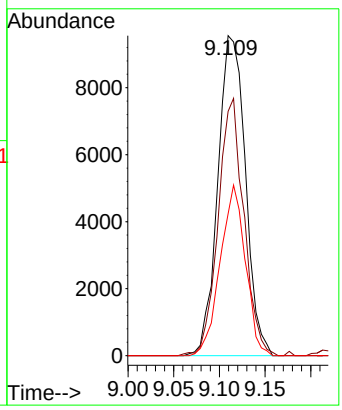




#39
Methylcyclohexane
Concen: 4.415 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 2007

Ion	Ratio	Lower	Upper
83	100		
55	76.4	58.1	87.1
98	44.4	39.0	58.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/03/2025
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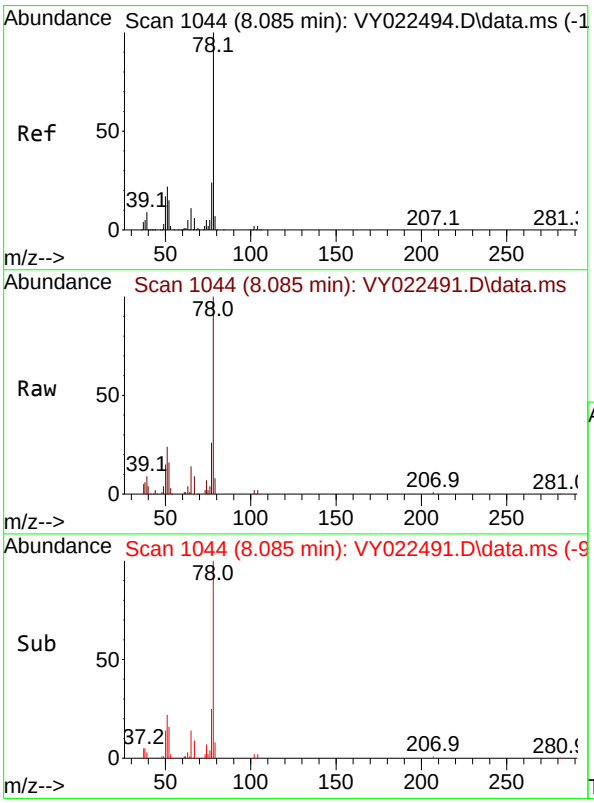
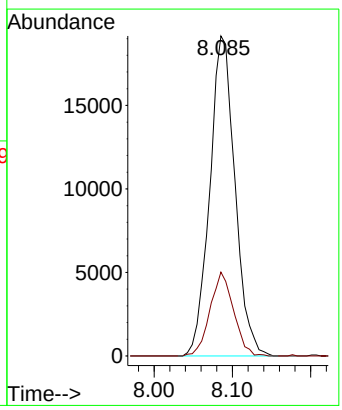
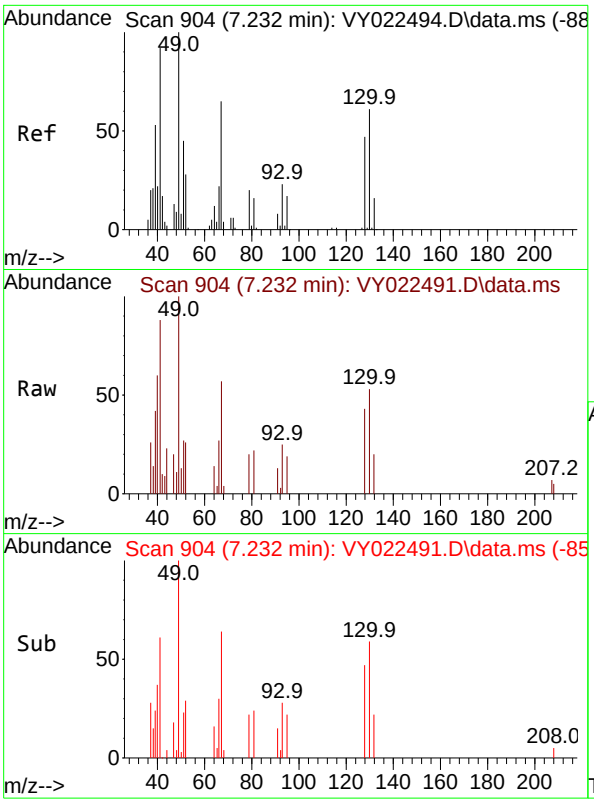


#40
Benzene
Concen: 4.326 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 78 Resp: 42926

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9

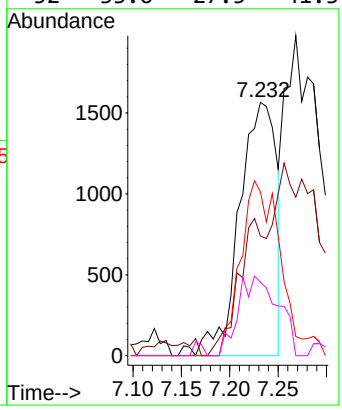




#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 419

Ion	Ratio	Lower	Upper
41	100		
39	40.1	46.6	69.8
67	74.0	63.3	94.9
52	33.6	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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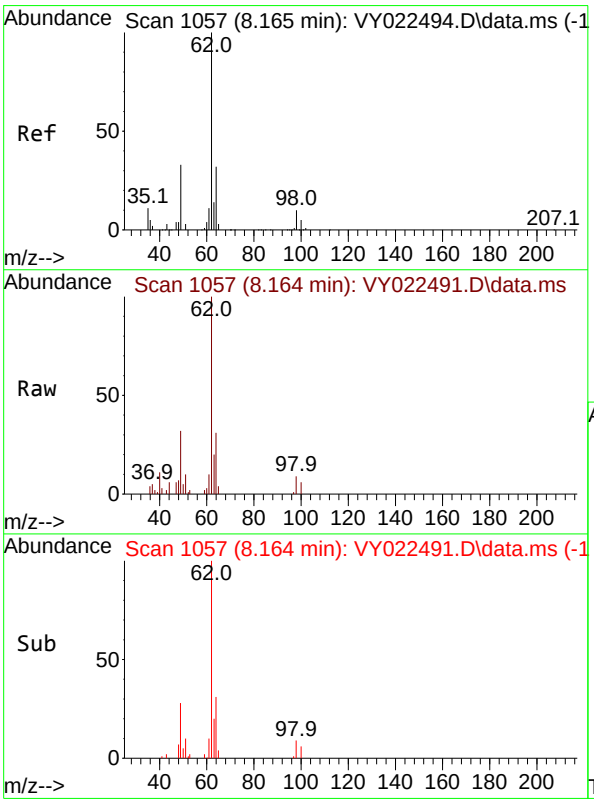
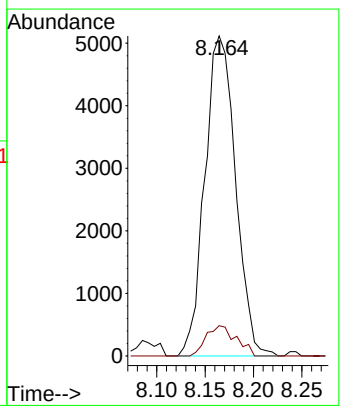
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

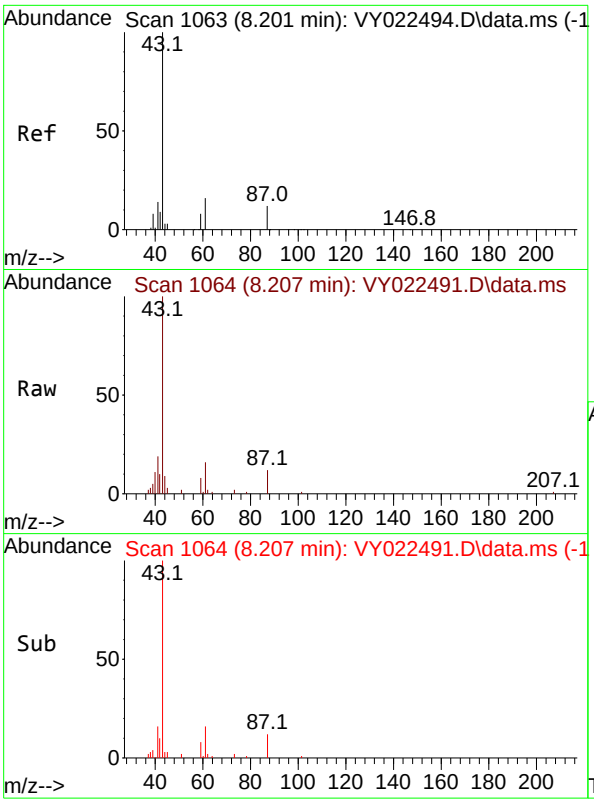


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 11332

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2





#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 1333

Ion	Ratio	Lower	Upper
43	100		
61	16.2	15.6	23.4
87	13.6	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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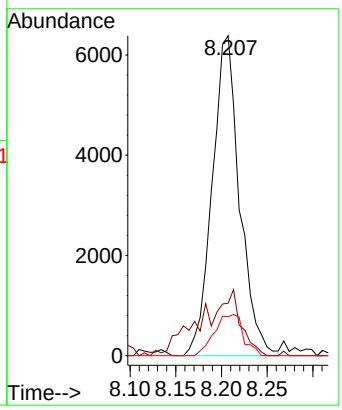
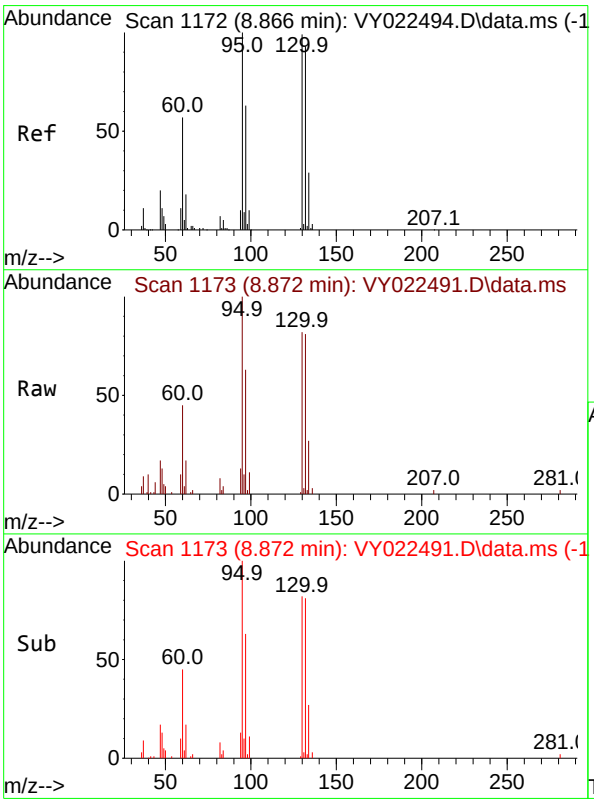
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

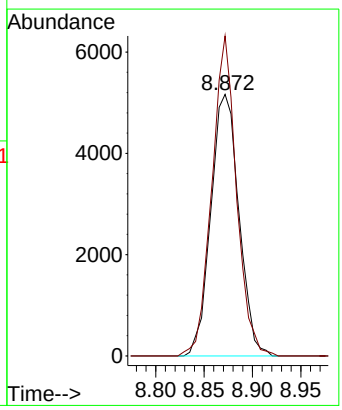


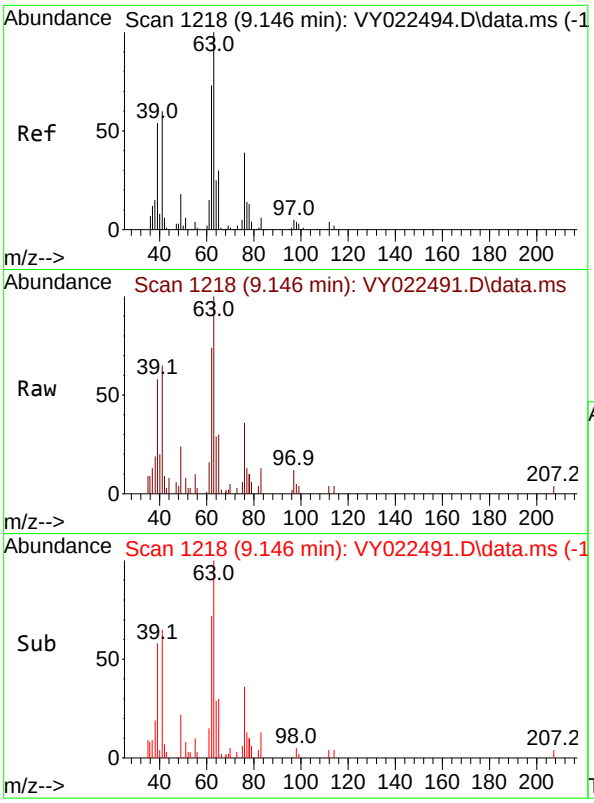


#44
Trichloroethene
Concen: 4.292 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:130 Resp: 10404

Ion	Ratio	Lower	Upper
130	100		
95	122.3	0.0	203.0

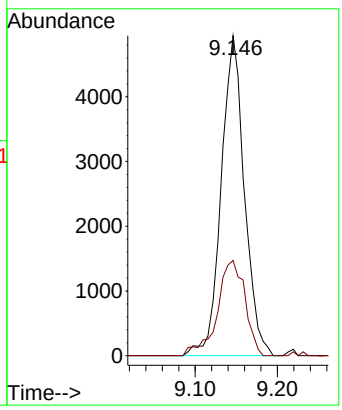




#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 967

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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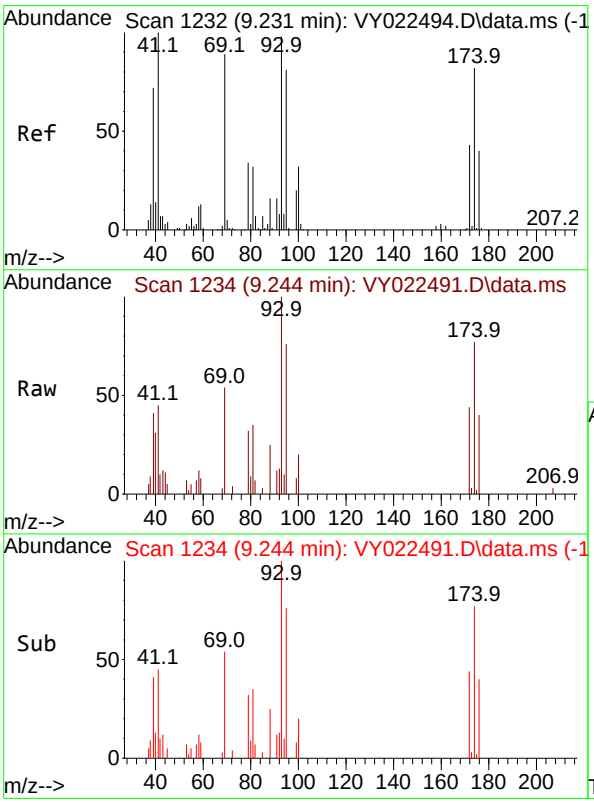
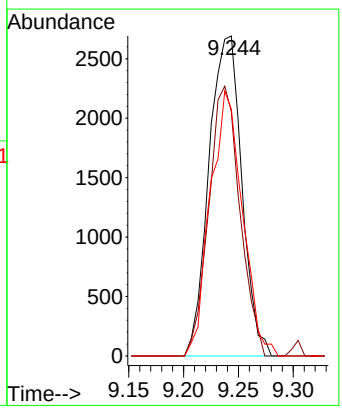
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

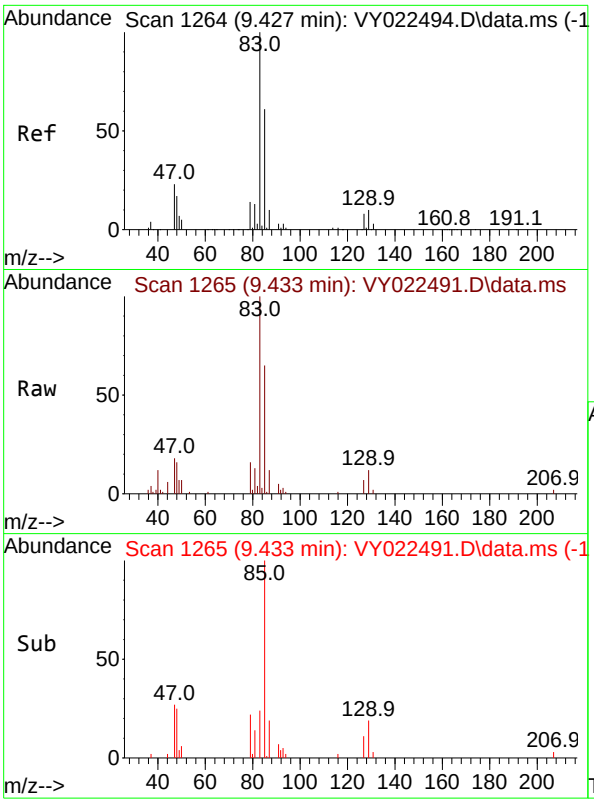


#46
Dibromomethane
Concen: 4.223 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 93 Resp: 5596

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.6	98.4
174	81.3	70.4	105.6

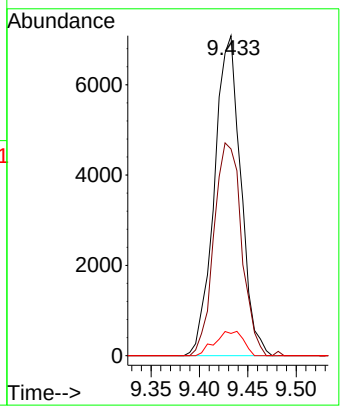




#47
Bromodichloromethane
Concen: 3.999 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 1344

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	7.0	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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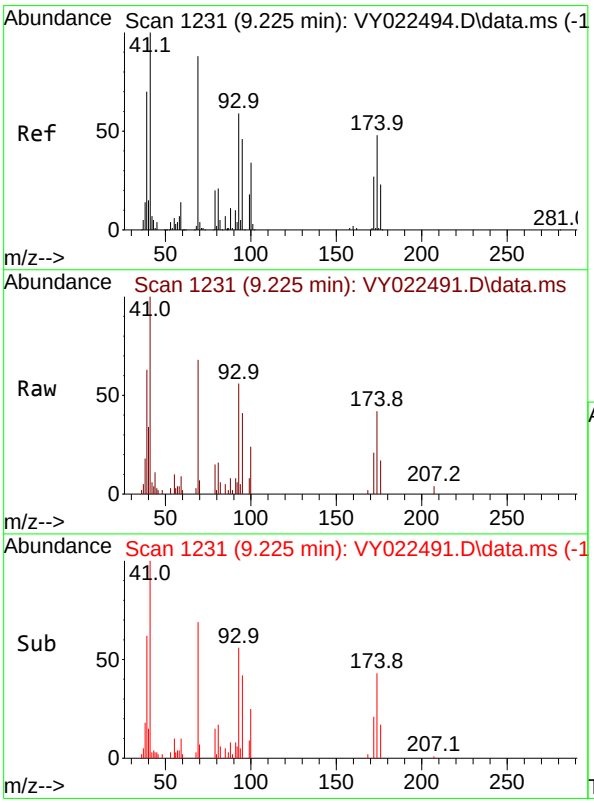
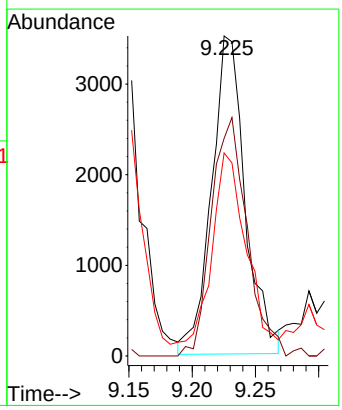
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

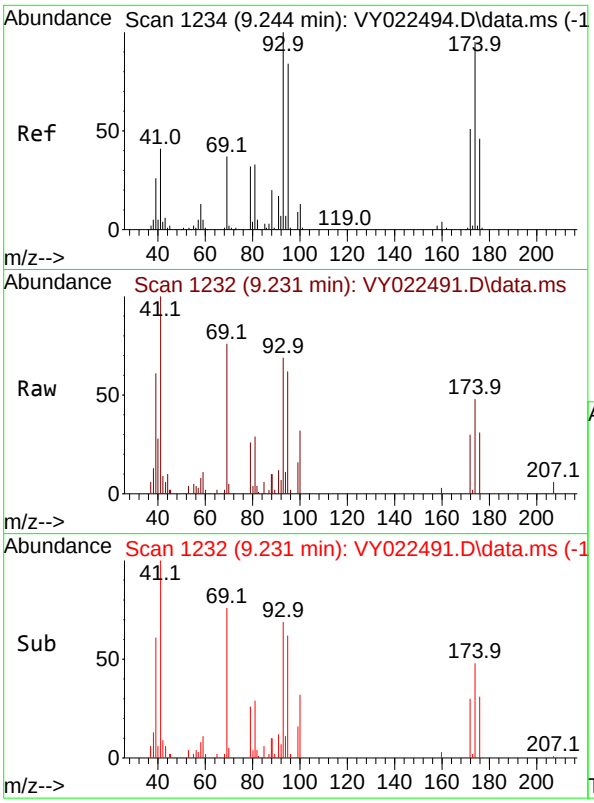


#48
Methyl methacrylate
Concen: 4.374 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 6483

Ion	Ratio	Lower	Upper
41	100		
69	80.0	67.8	101.8
39	57.3	55.0	82.4

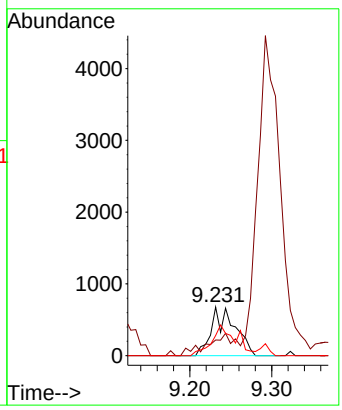




#49
1,4-Dioxane
Concen: 85.767 ug/l m
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 88 Resp: 135

Ion	Ratio	Lower	Upper
88	100		
43	53.1	25.4	38.2
58	65.5	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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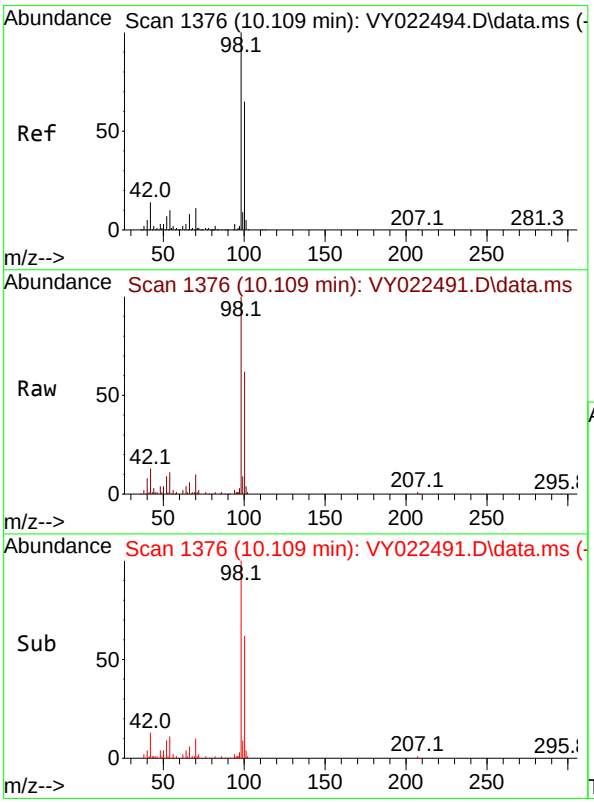
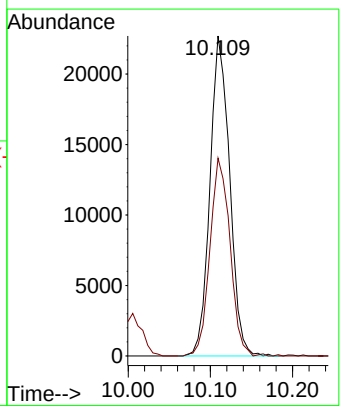
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

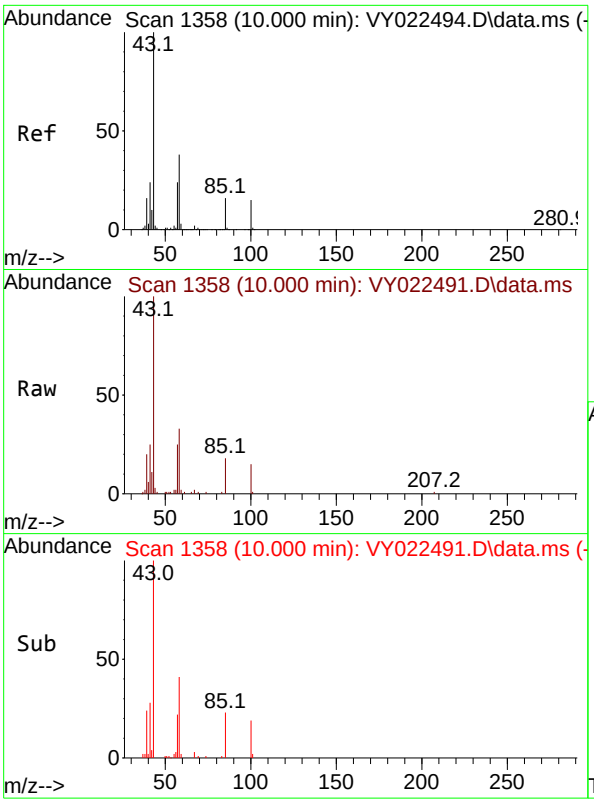


#50
Toluene-d8
Concen: 4.482 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 98 Resp: 37729

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0

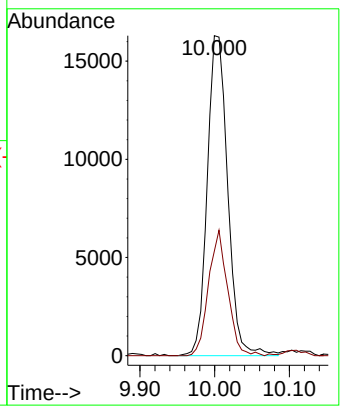




#51
4-Methyl-2-Pentanone
Concen: 19.273 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 3096

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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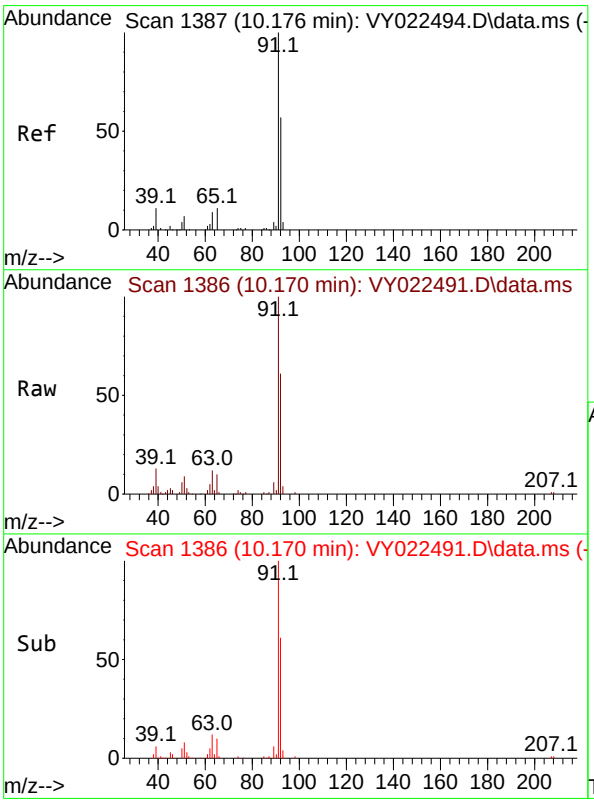
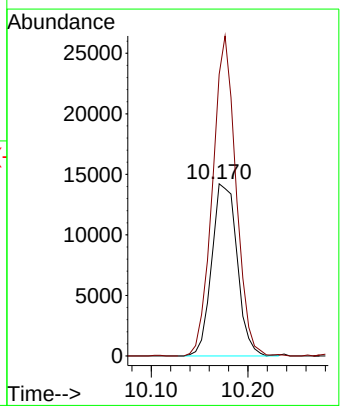
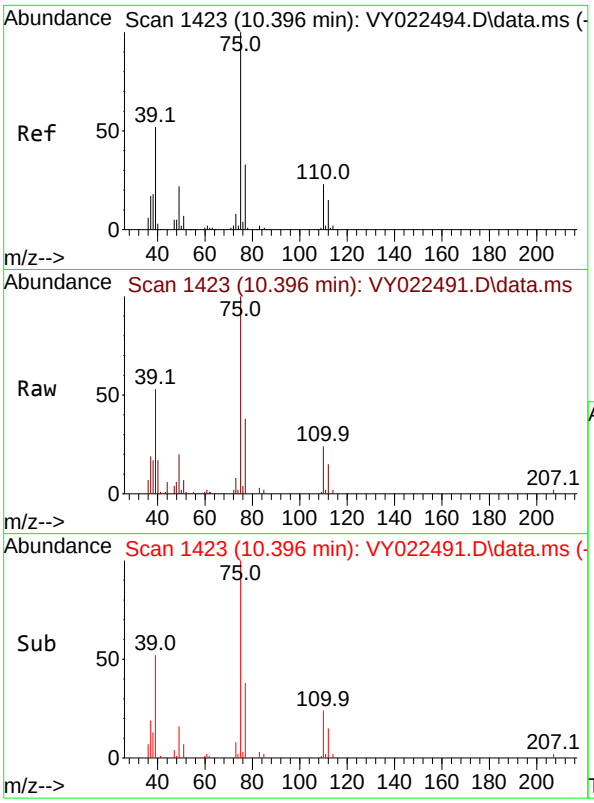


#52
Toluene
Concen: 4.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 92 Resp: 25893

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.0	208.4

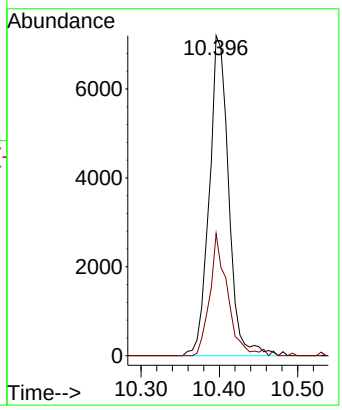




#53
t-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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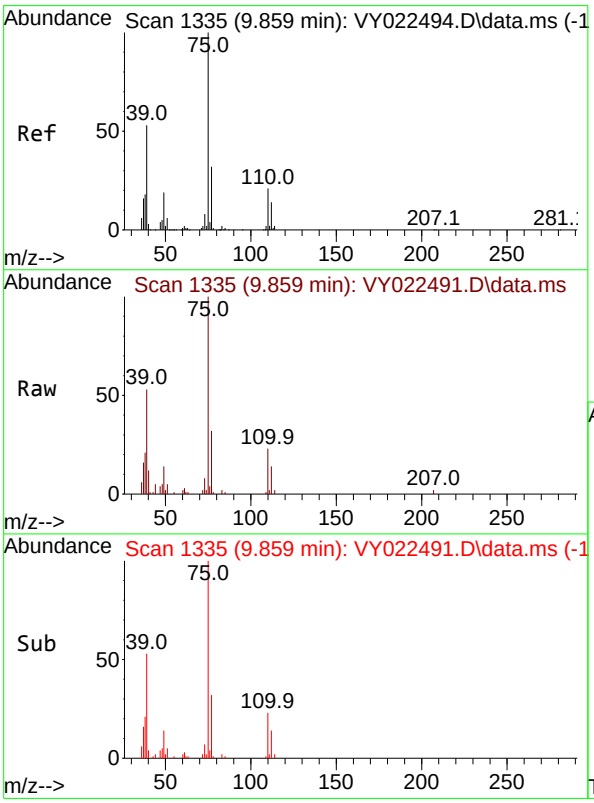
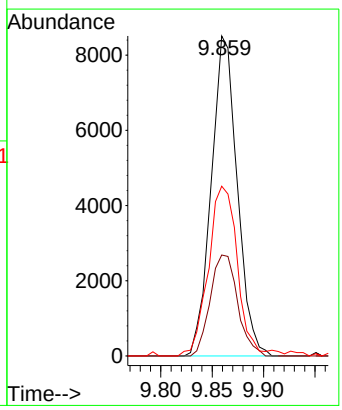
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

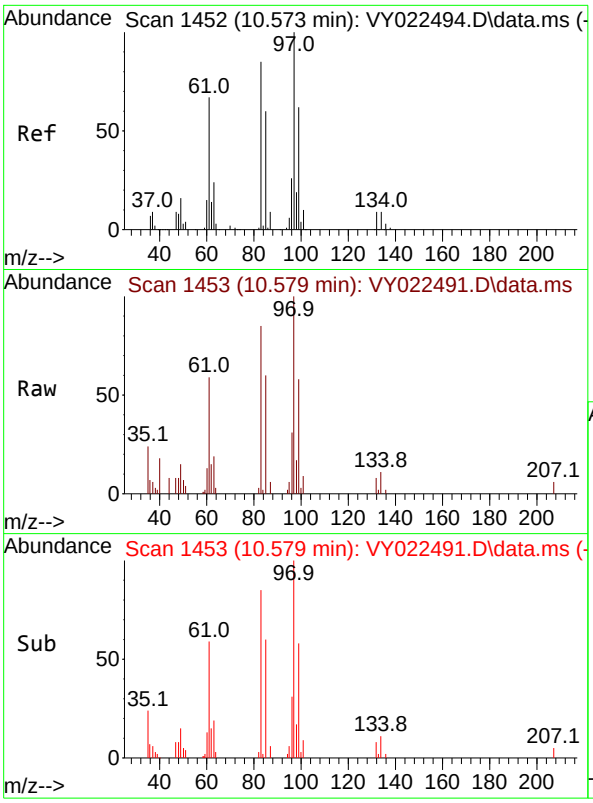


#54
cis-1,3-Dichloropropene
Concen: 4.103 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14966

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	53.0	42.7	64.1

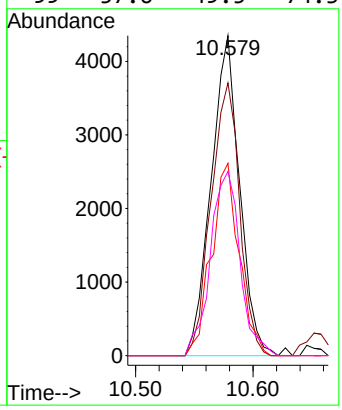




#55
1,1,2-Trichloroethane
Concen: 4.385 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 731

Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	60.1	48.2	72.2
99	57.6	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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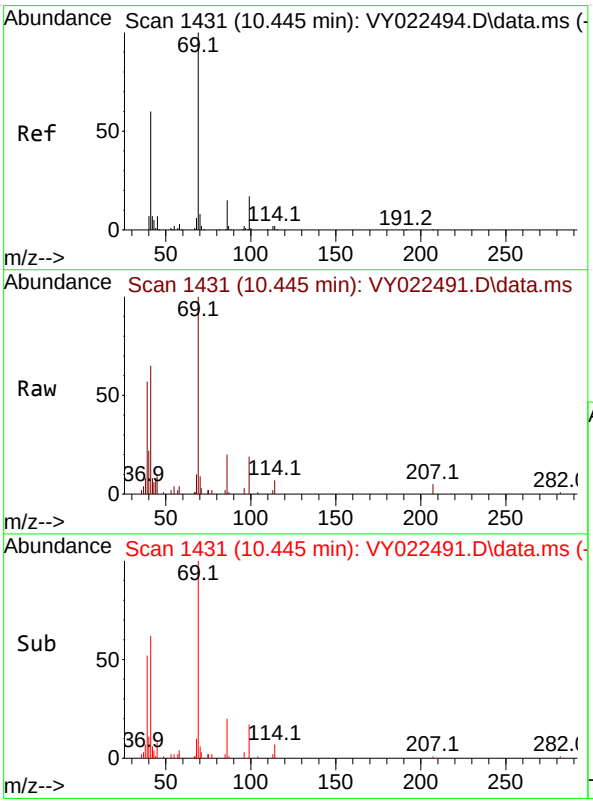
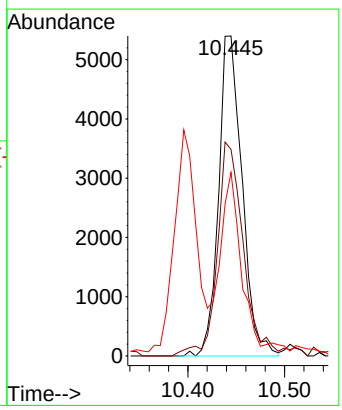
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

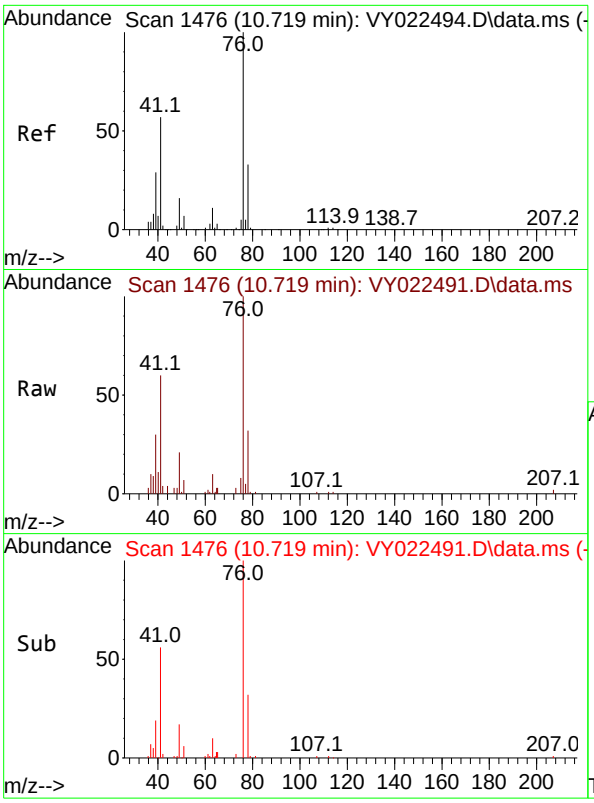


#56
Ethyl methacrylate
Concen: 3.751 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 69 Resp: 9092

Ion	Ratio	Lower	Upper
69	100		
41	73.4	52.2	78.2
39	46.3	36.7	55.1

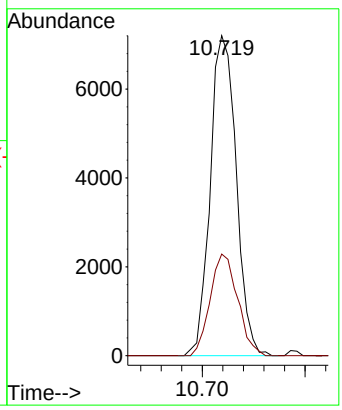




#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 76 Resp: 1264

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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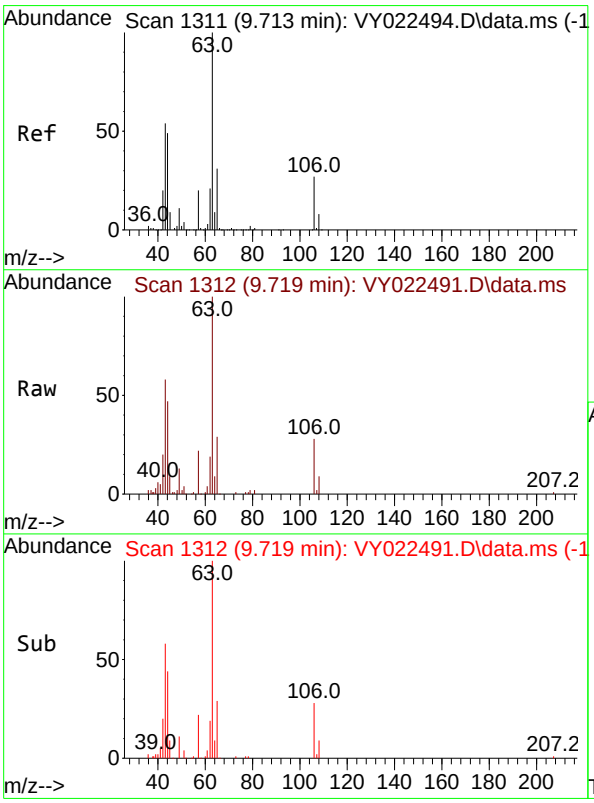
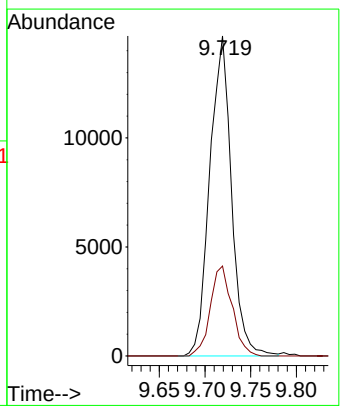
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

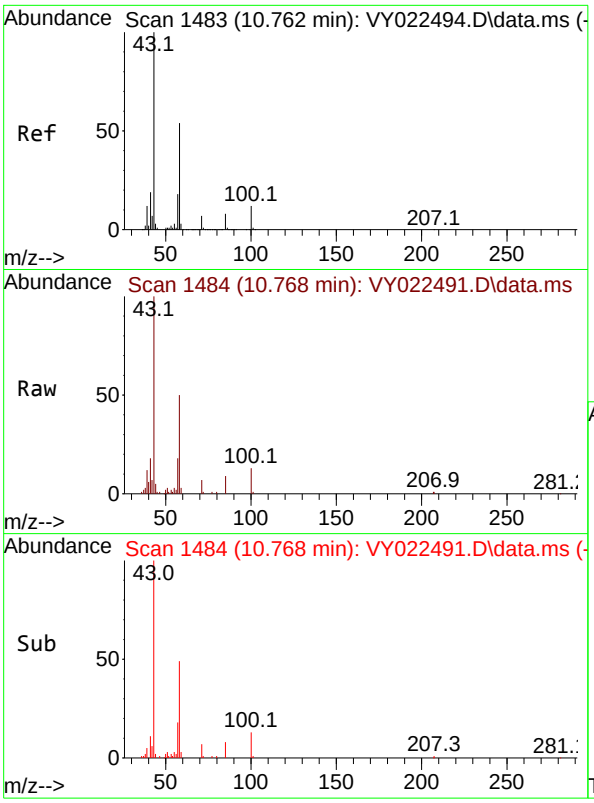


#58
2-Chloroethyl Vinyl ether
Concen: 22.409 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 24214

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.6	32.4





#59
2-Hexanone
Concen: 19.832 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 2124

Ion	Ratio	Lower	Upper
43	100		
58	50.4	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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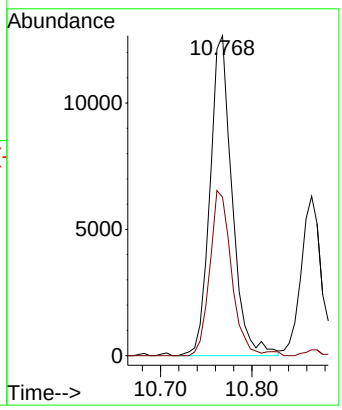
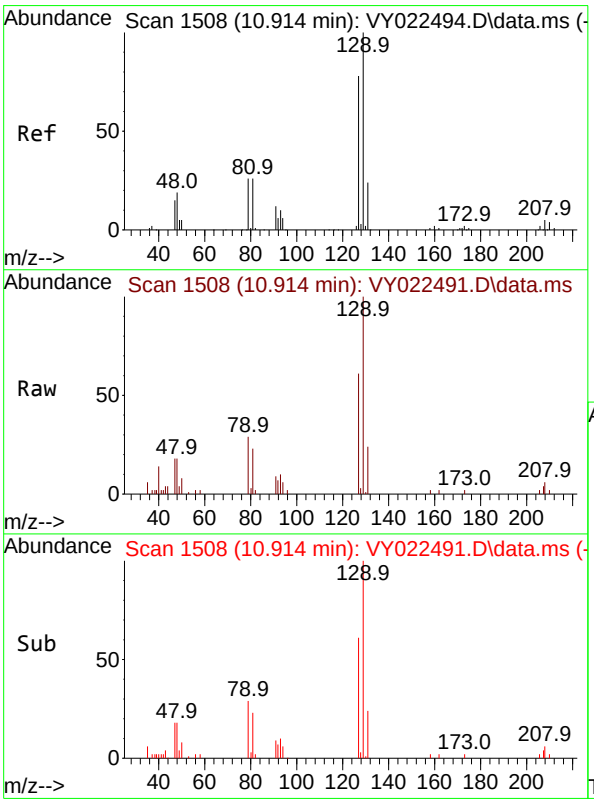
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

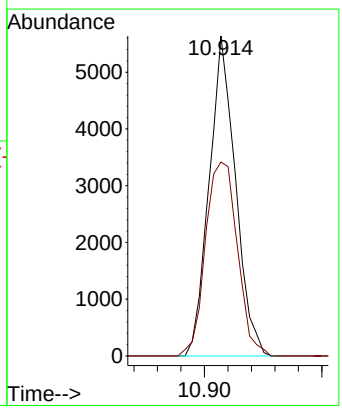


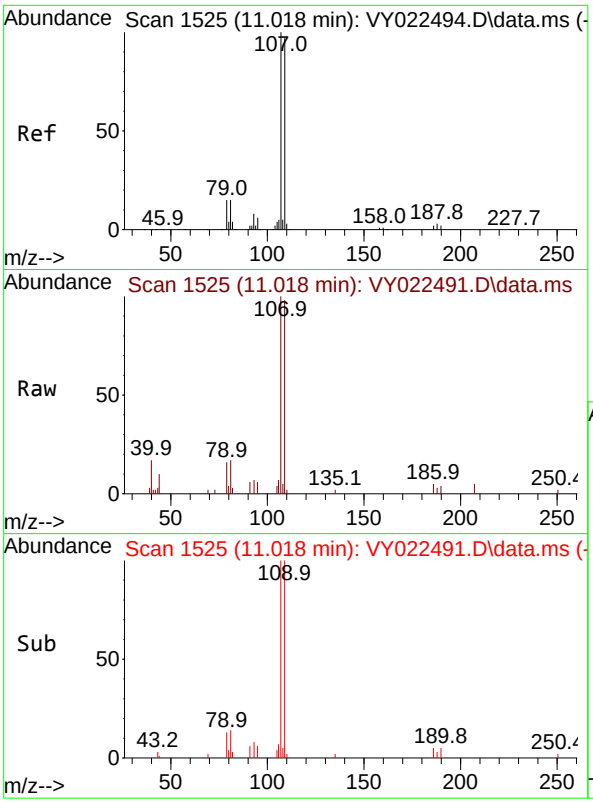


#60
Dibromochloromethane
Concen: 4.152 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:129 Resp: 8781

Ion	Ratio	Lower	Upper
129	100		
127	73.3	39.1	117.2

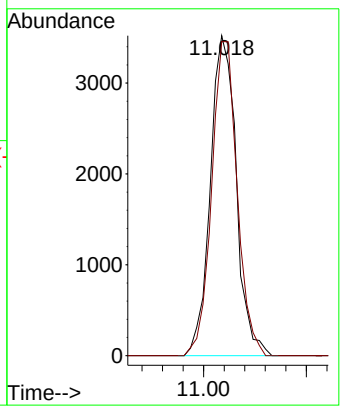




#61
1,2-Dibromoethane
Concen: 3.991 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:107 Resp: 614

Ion	Ratio	Lower	Upper
107	100		
109	96.8	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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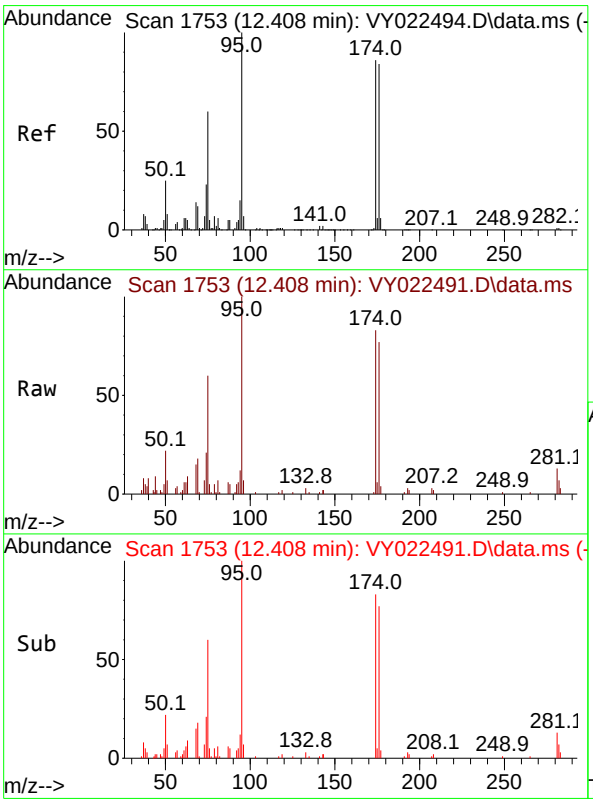
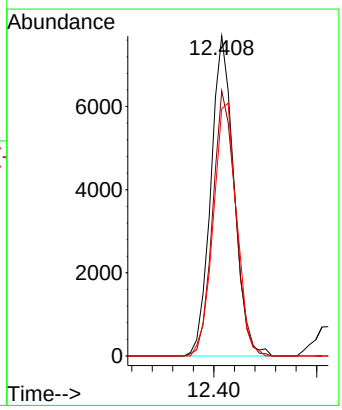
Supervised By :Mahesh Dadoda 06/03/2025

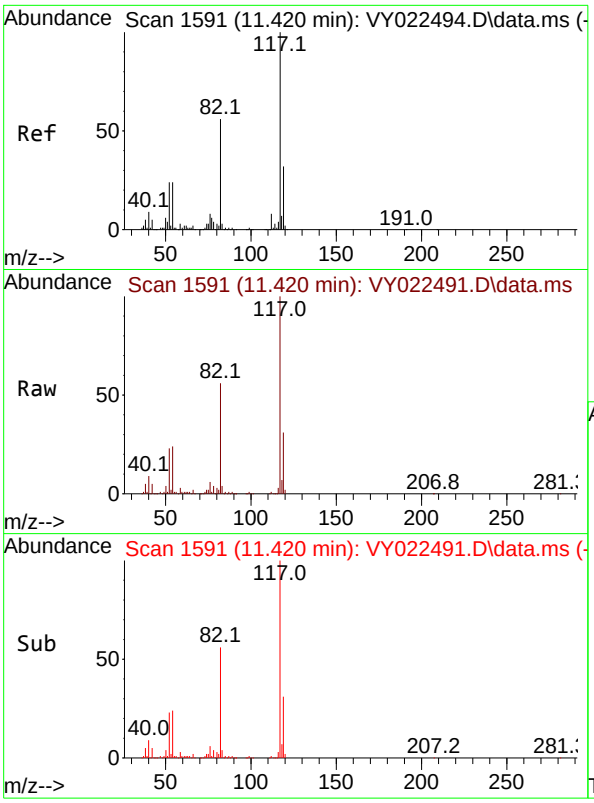


#62
4-Bromofluorobenzene
Concen: 4.697 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 95 Resp: 11988

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.0
176	80.2	0.0	166.2

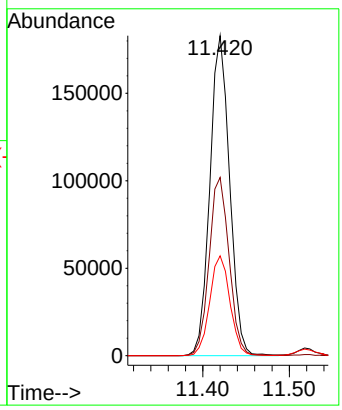




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 28939

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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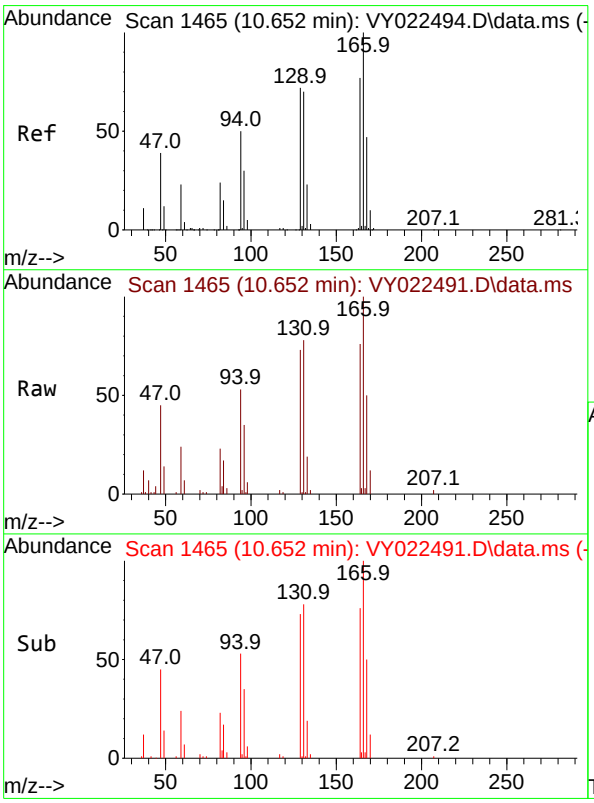
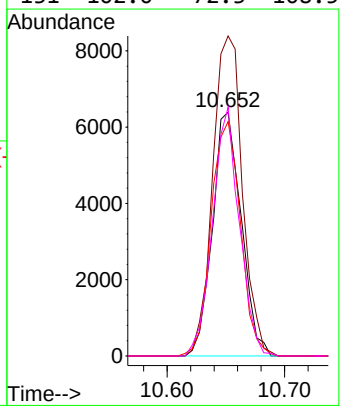
Supervised By :Mahesh Dadoda 06/03/2025

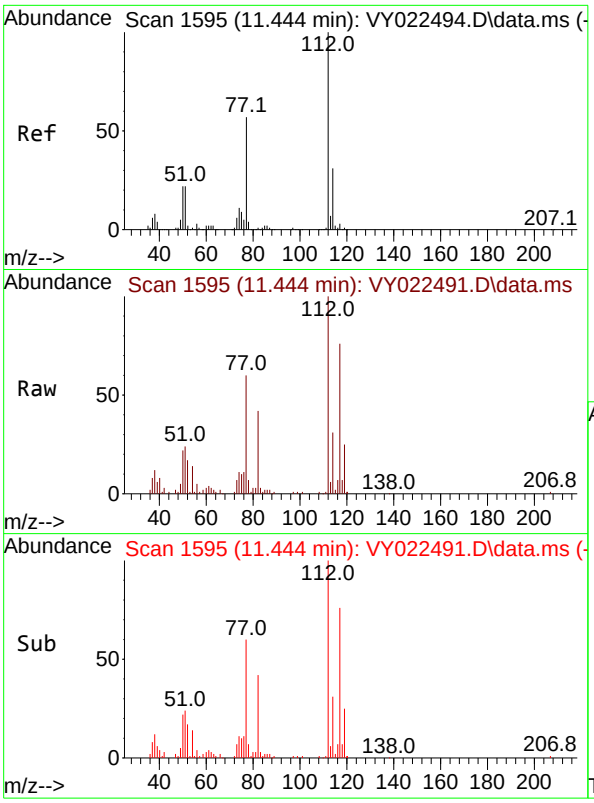


#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:164 Resp: 10863

Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.0	156.0
129	96.1	74.5	111.7
131	102.0	72.3	108.5

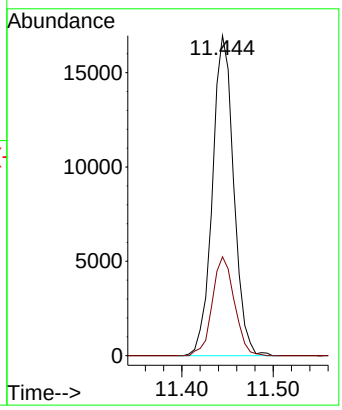




#65
Chlorobenzene
Concen: 4.377 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:112 Resp: 2746

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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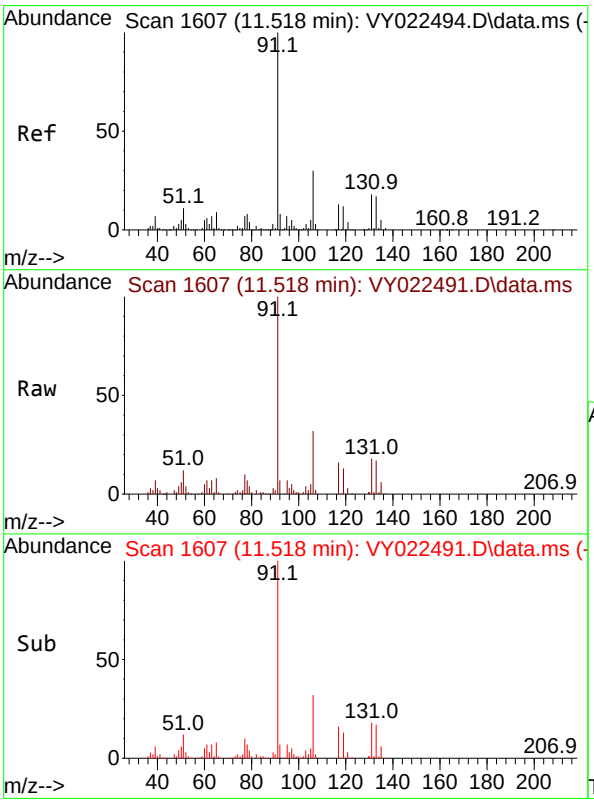
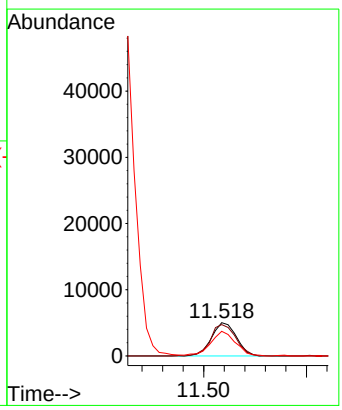
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

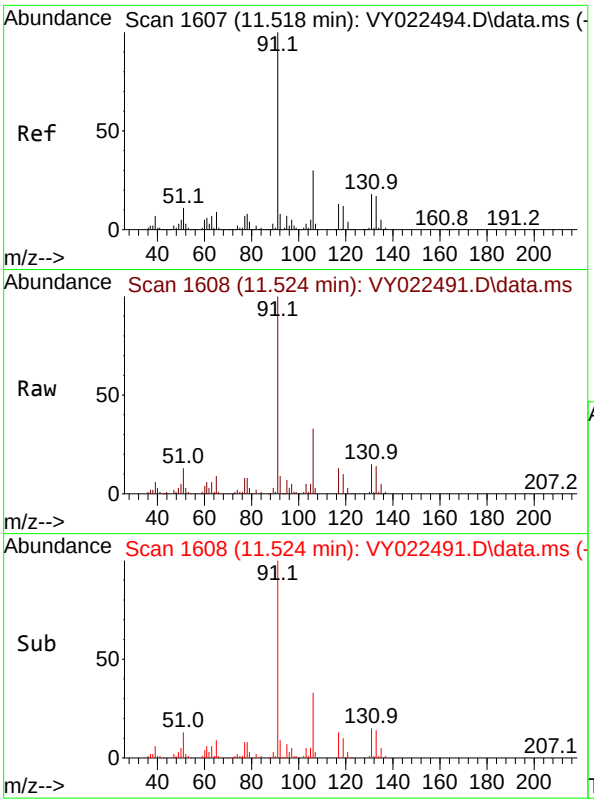


#66
1,1,1,2-Tetrachloroethane
Concen: 3.959 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:131 Resp: 8422

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.8
119	74.3	33.1	99.3

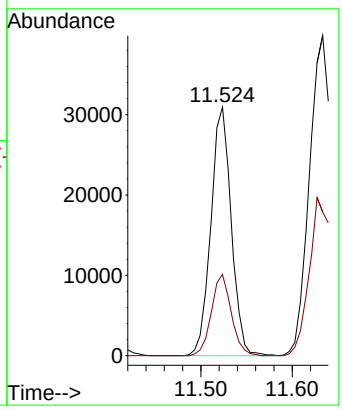




#67
Ethyl Benzene
Concen: 4.098 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 4788

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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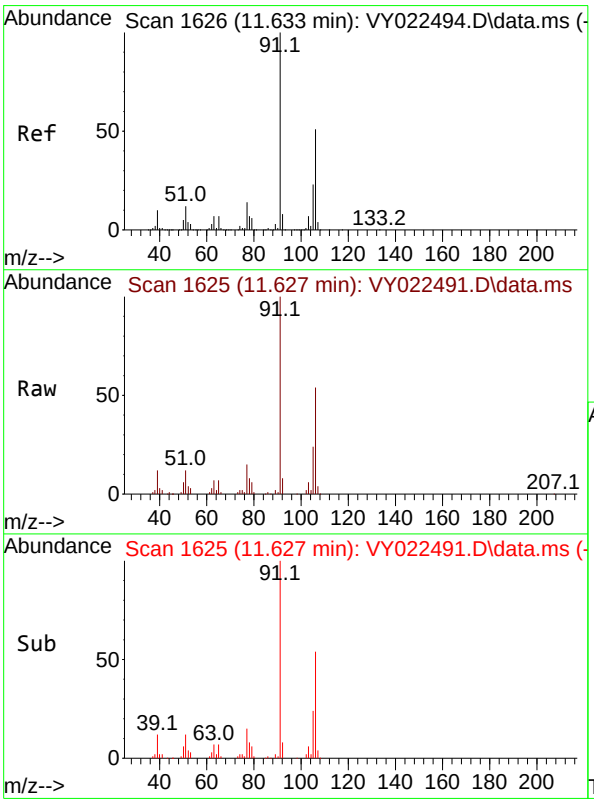
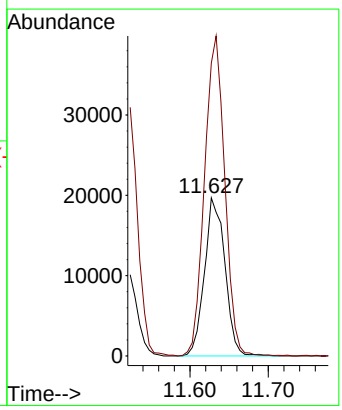
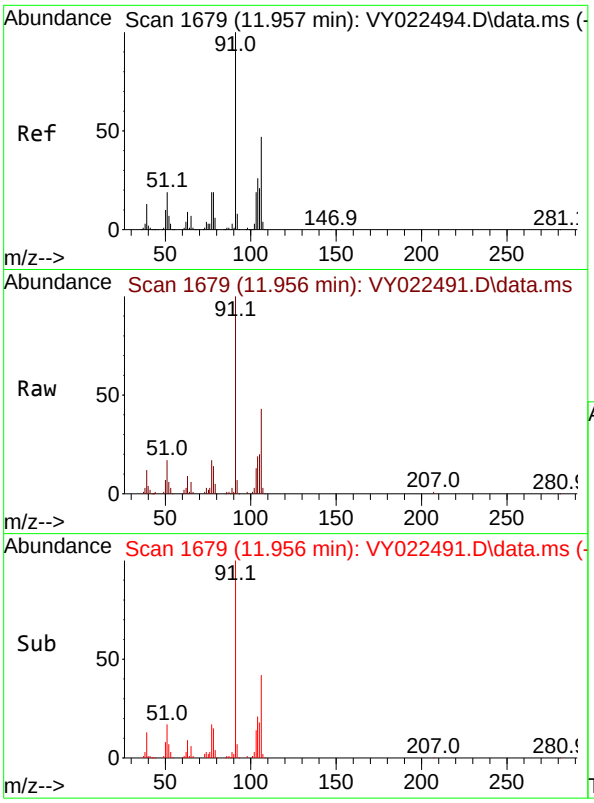


#68
m/p-Xylenes
Concen: 8.060 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 35645

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0





#69
o-Xylene
Concen: 4.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 1686

Ion	Ratio	Lower	Upper
106	100		
91	219.4	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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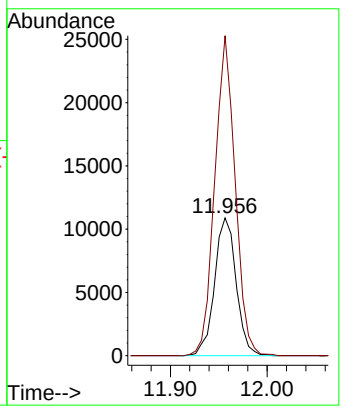
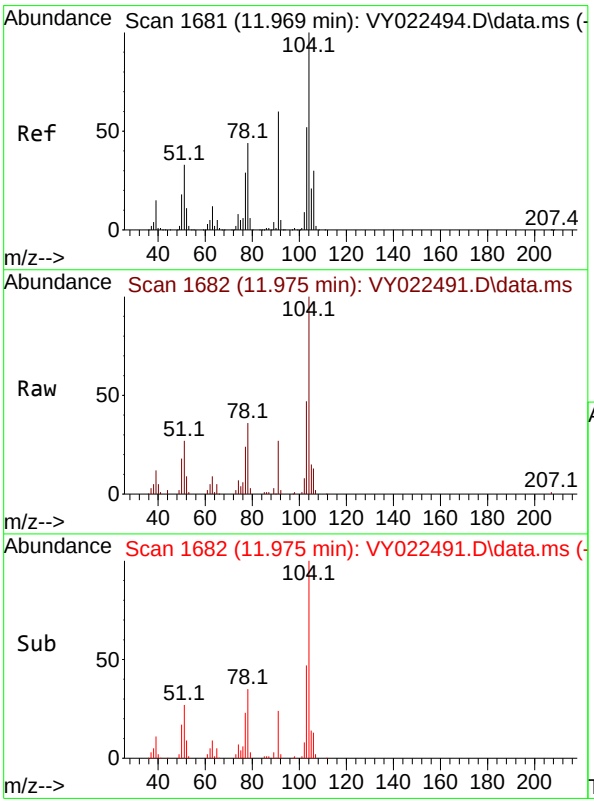
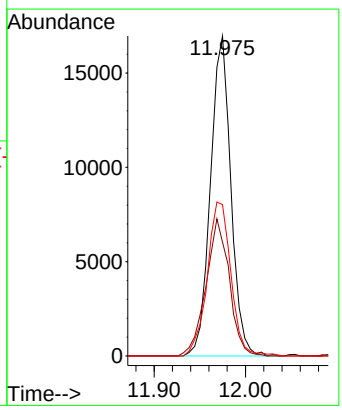


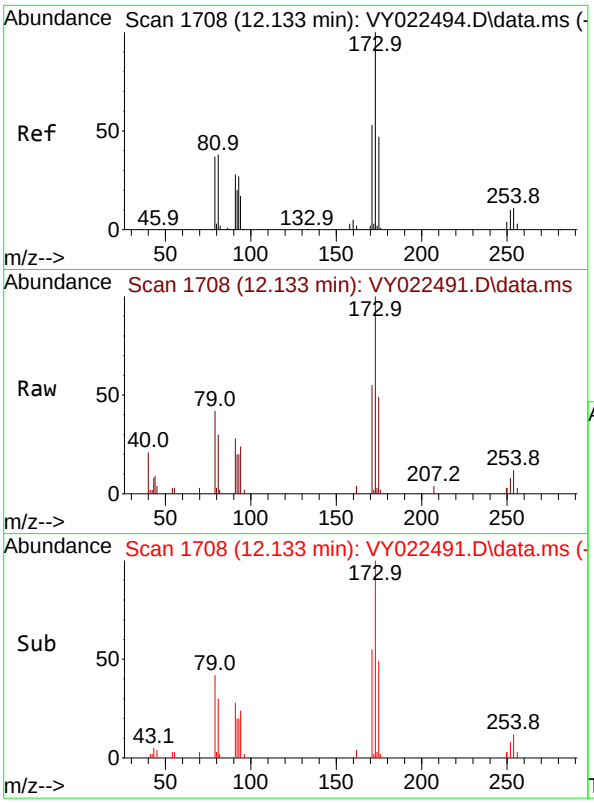


#70
Styrene
Concen: 3.840 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:104 Resp: 26313

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	55.8	44.1	66.1

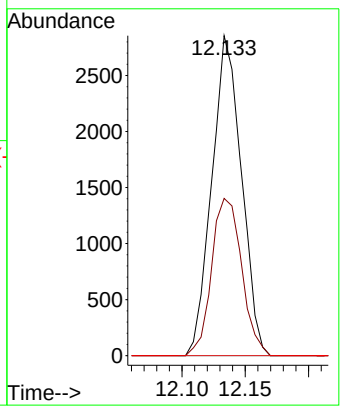




#71
Bromoform
Concen: 4.159 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:173 Resp: 464

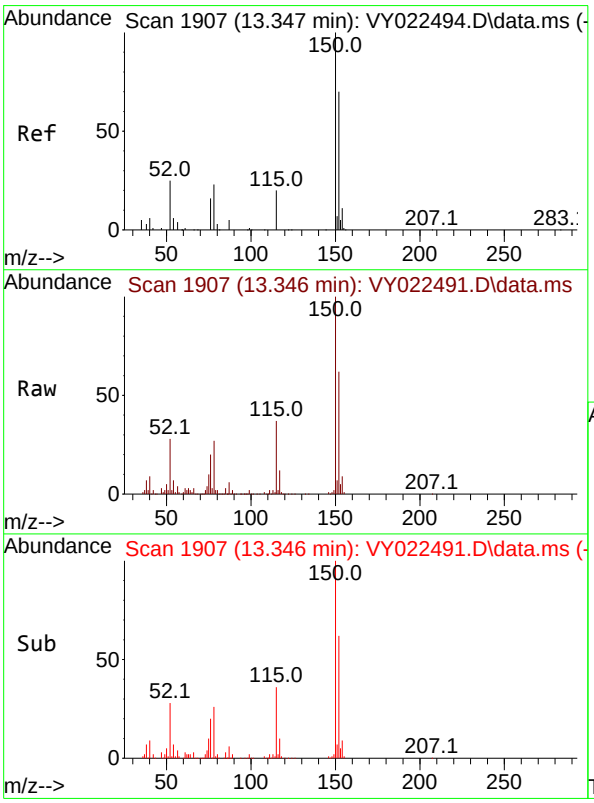
Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

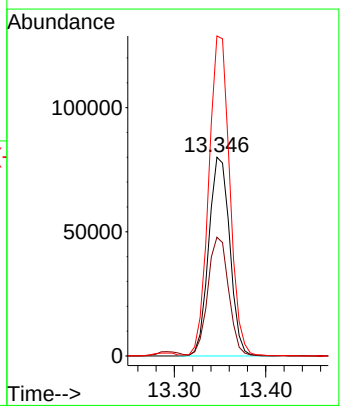
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

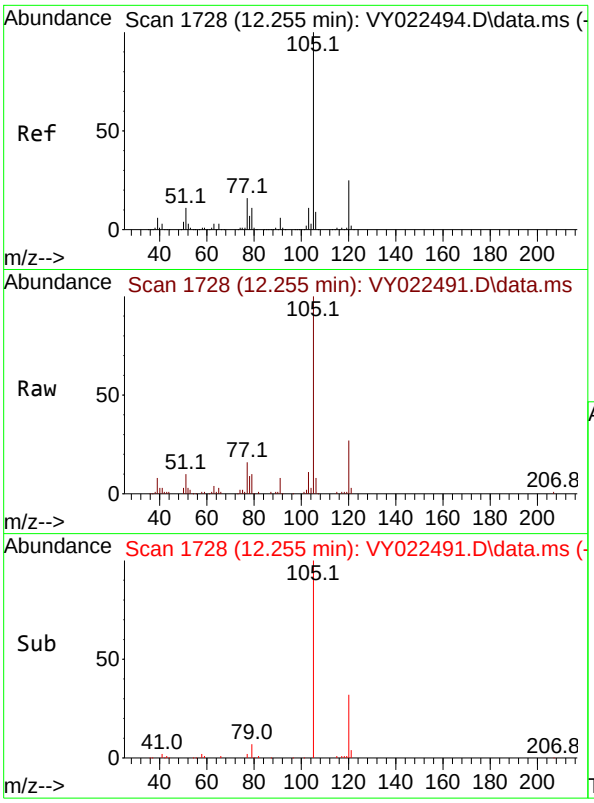


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:152 Resp: 127807

Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.9	86.7
150	160.5	0.0	349.6

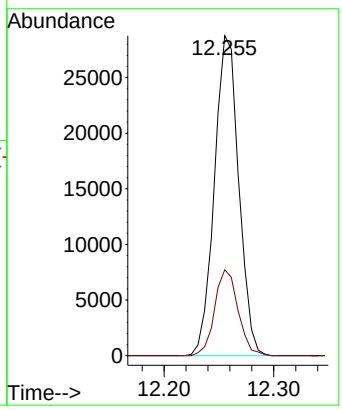




#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 4435

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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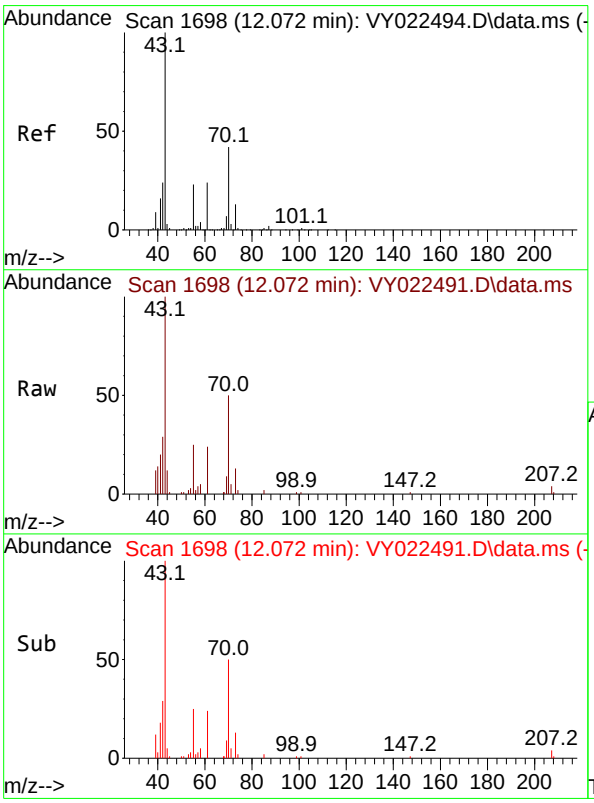
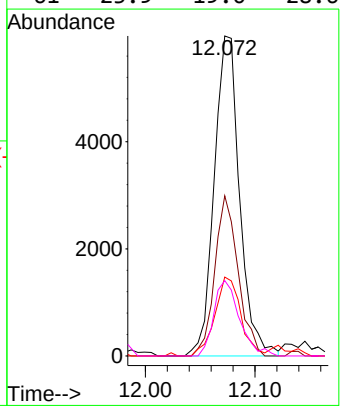
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

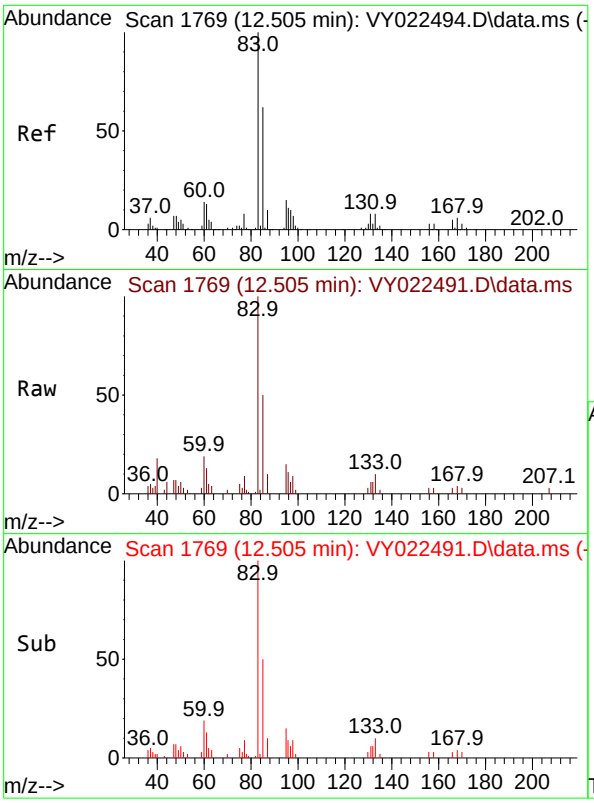


#74
N-amyl acetate
Concen: 3.699 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9632

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.2	51.2
55	25.1	18.2	27.4
61	23.9	19.0	28.6

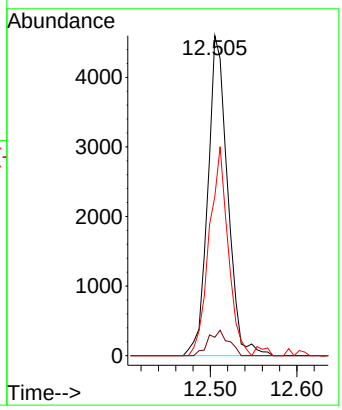




#75
1,1,2,2-Tetrachloroethane
Concen: 4.359 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 728

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.9	14.7
85	62.4	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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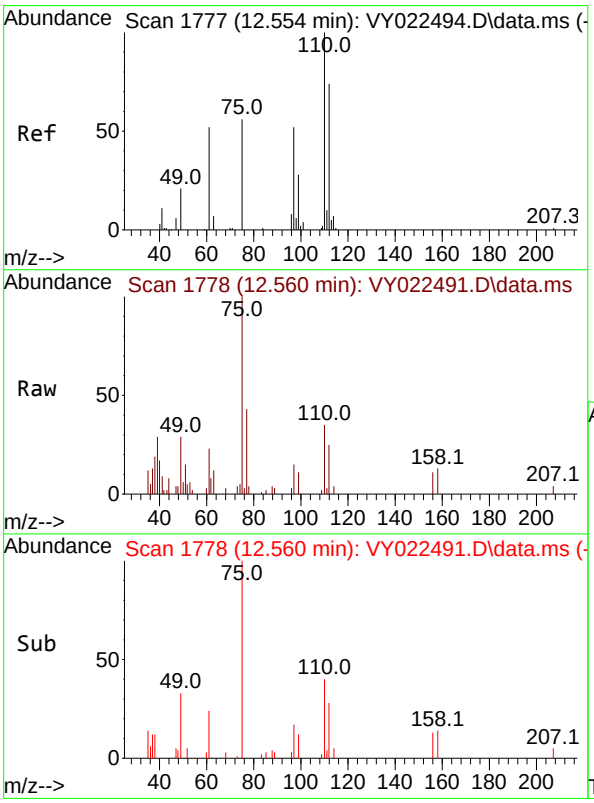
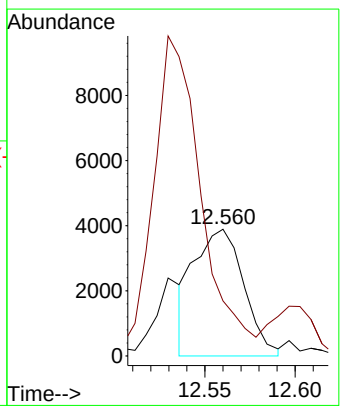
Supervised By :Mahesh Dadoda 06/03/2025

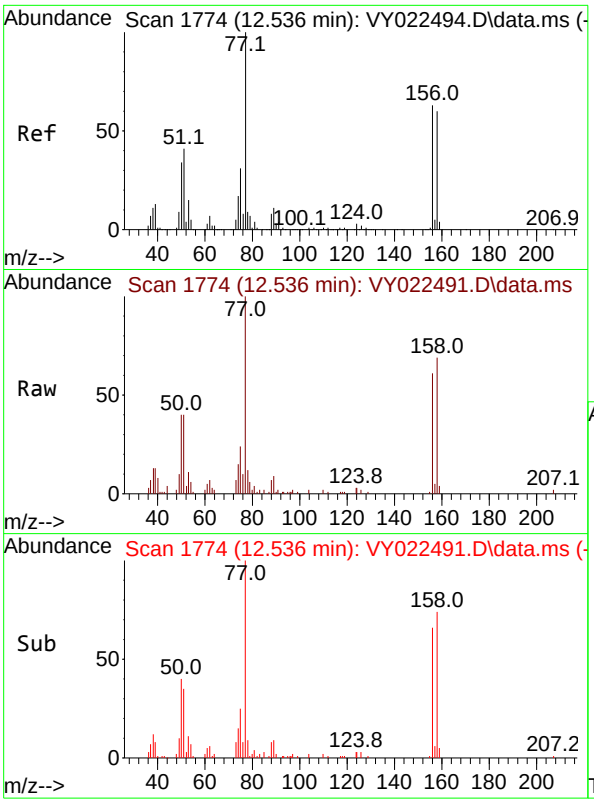


#76
1,2,3-Trichloropropane
Concen: 4.432 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 7478

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

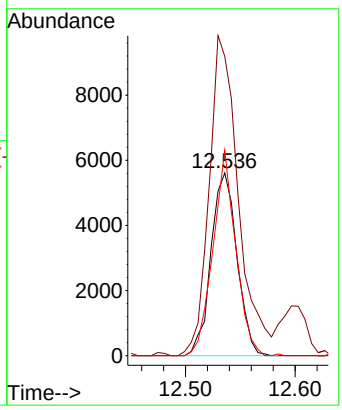




#77
Bromobenzene
Concen: 4.234 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:156 Resp: 924

Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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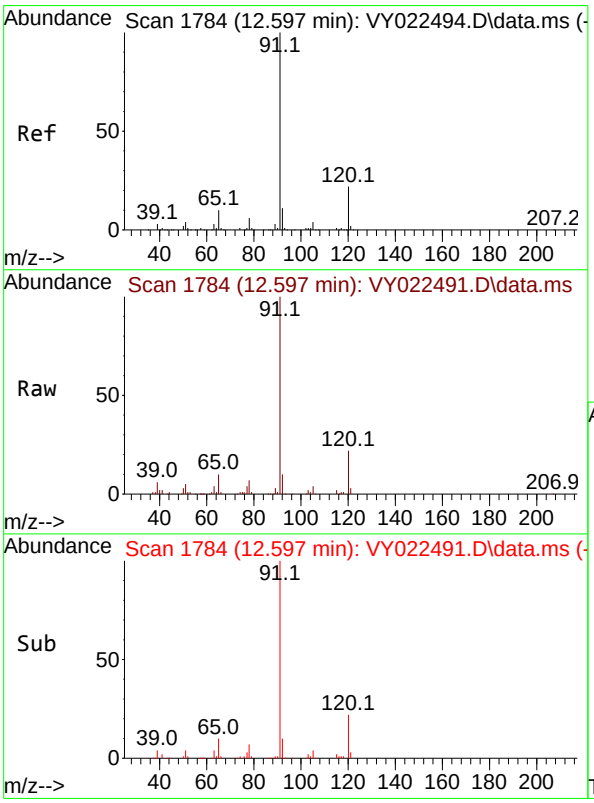
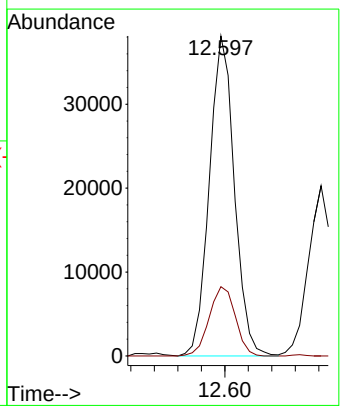
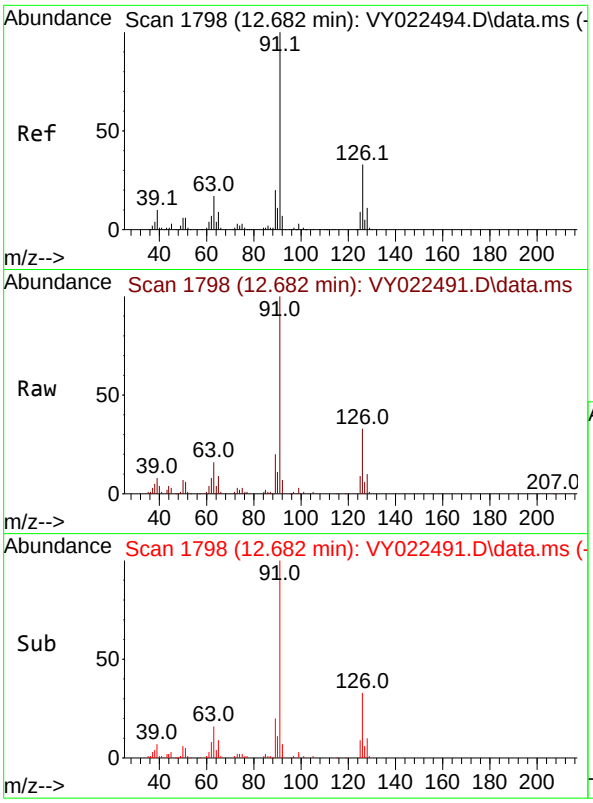


#78
n-propylbenzene
Concen: 4.511 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 56543

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

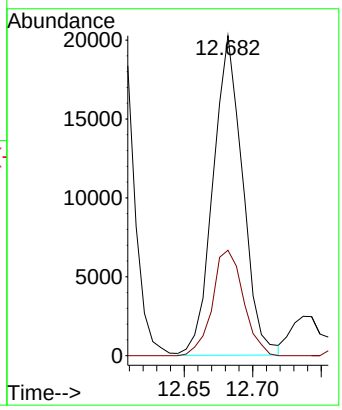




#79
2-Chlorotoluene
Concen: 4.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 3038

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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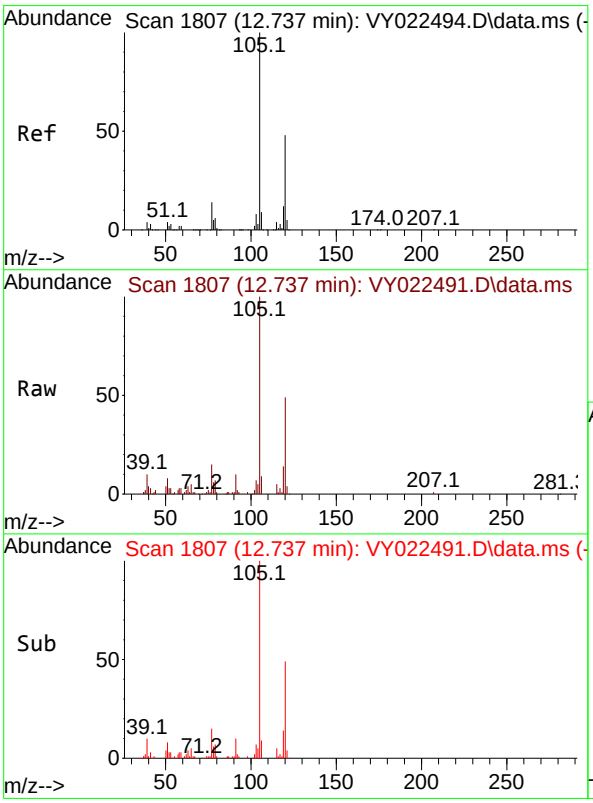
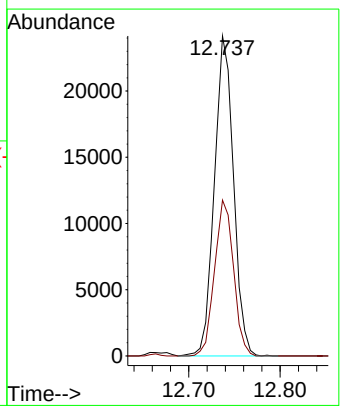
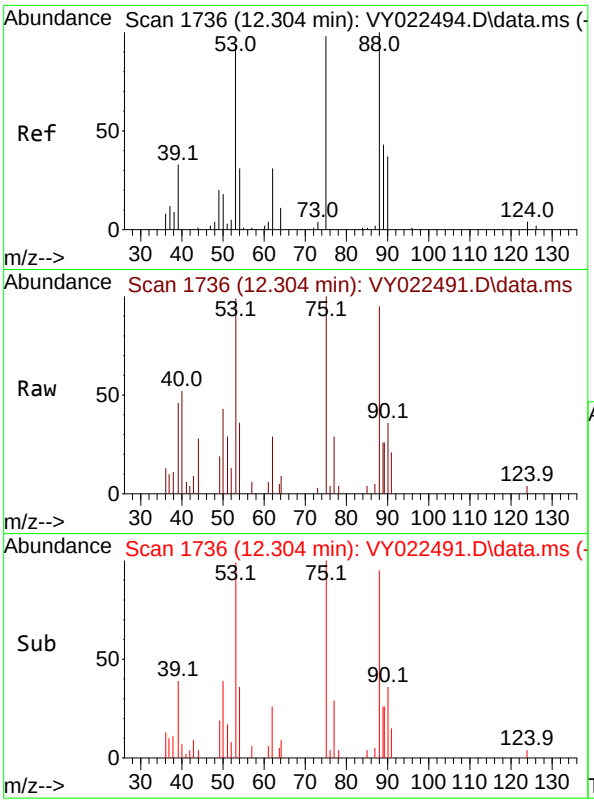


#80
1,3,5-Trimethylbenzene
Concen: 4.362 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 35122

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4

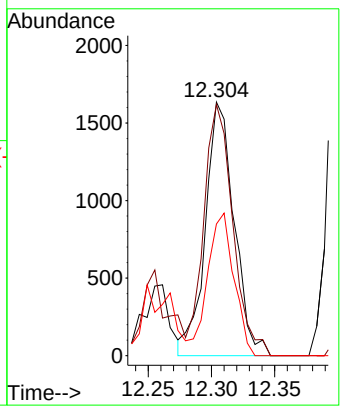




#81
trans-1,4-Dichloro-2-butene
Concen: 4.411 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 259

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.5	117.7
89	51.7	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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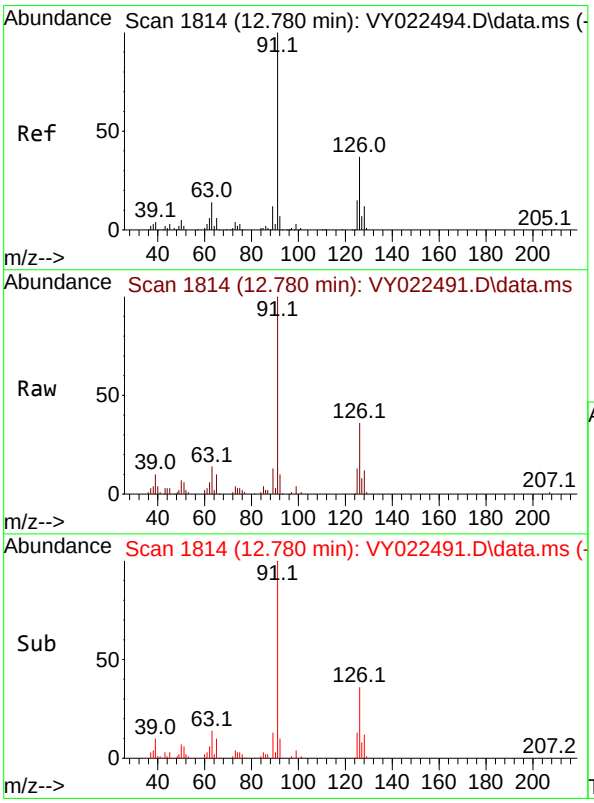
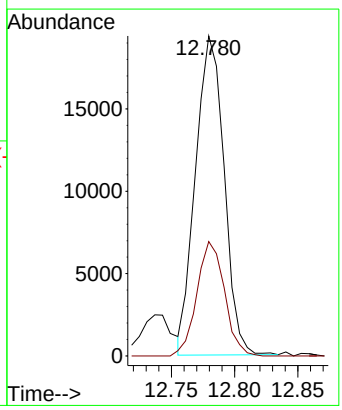
Supervised By :Mahesh Dadoda 06/03/2025

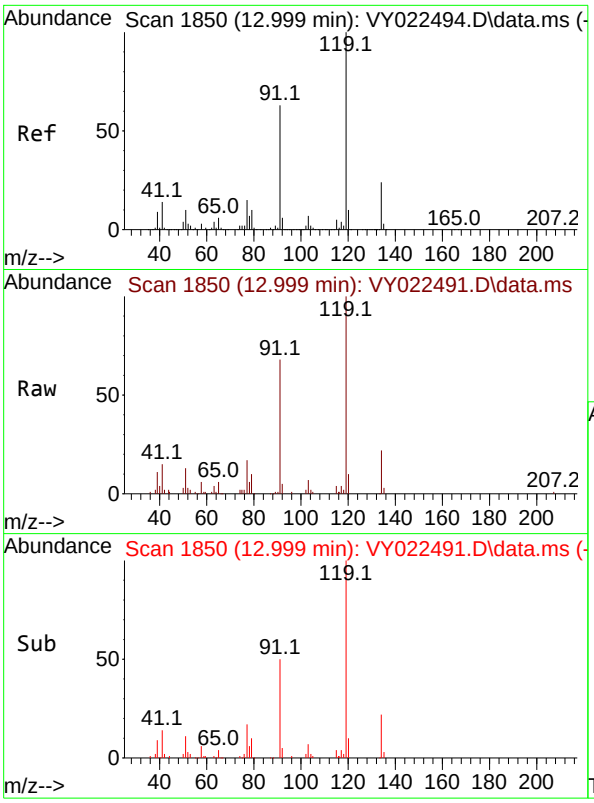


#82
4-Chlorotoluene
Concen: 4.447 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 30501

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9

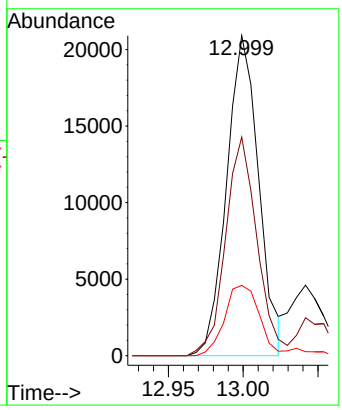




#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 3123

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.1	96.3
134	23.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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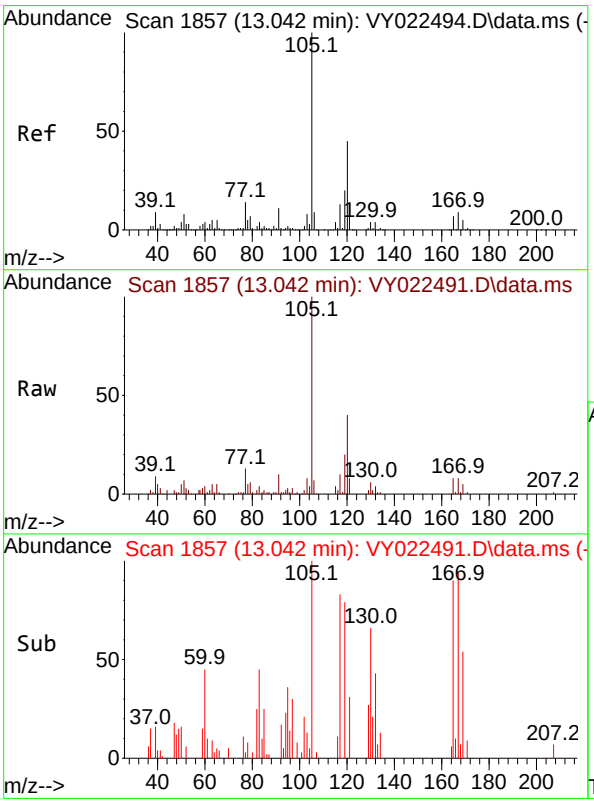
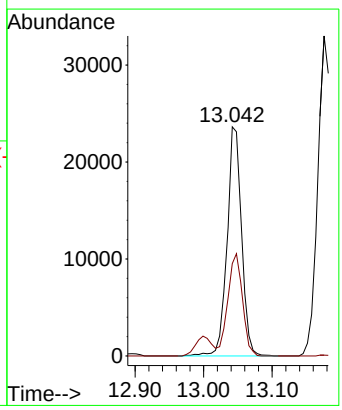
Supervised By :Mahesh Dadoda 06/03/2025

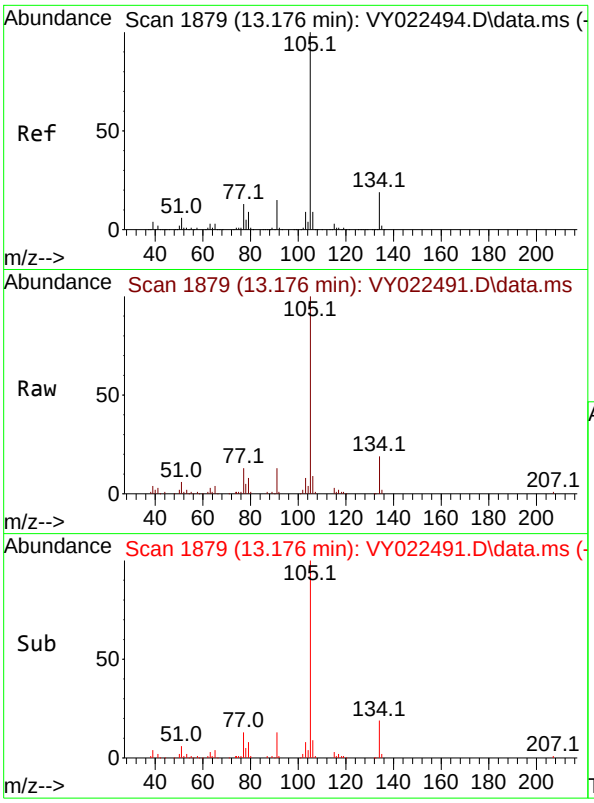


#84
1,2,4-Trimethylbenzene
Concen: 4.314 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 34752

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1

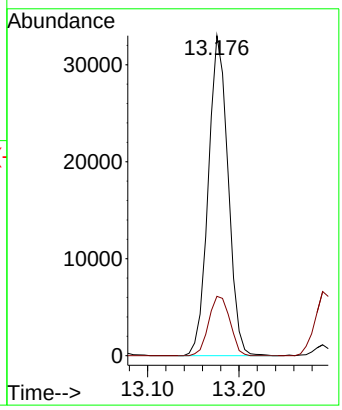




#85
sec-Butylbenzene
Concen: 4.449 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 4954

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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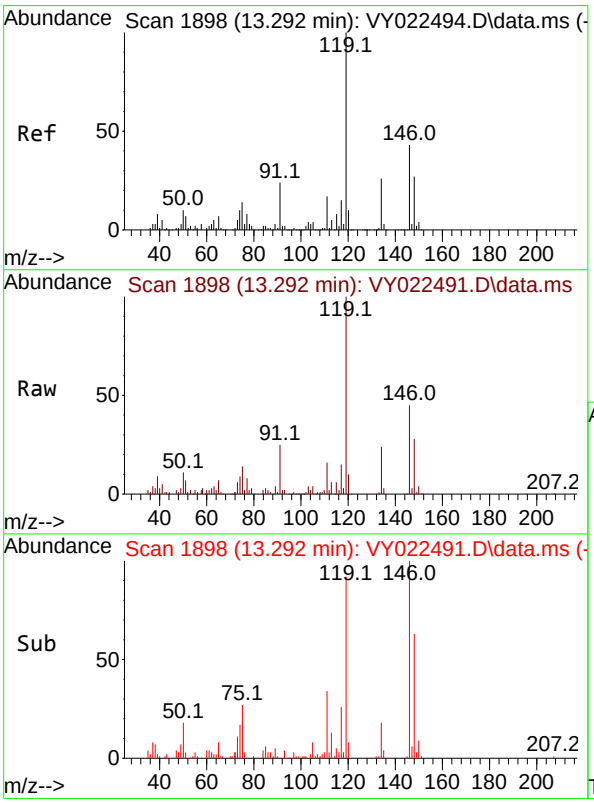
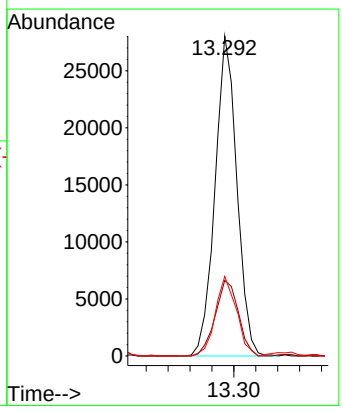
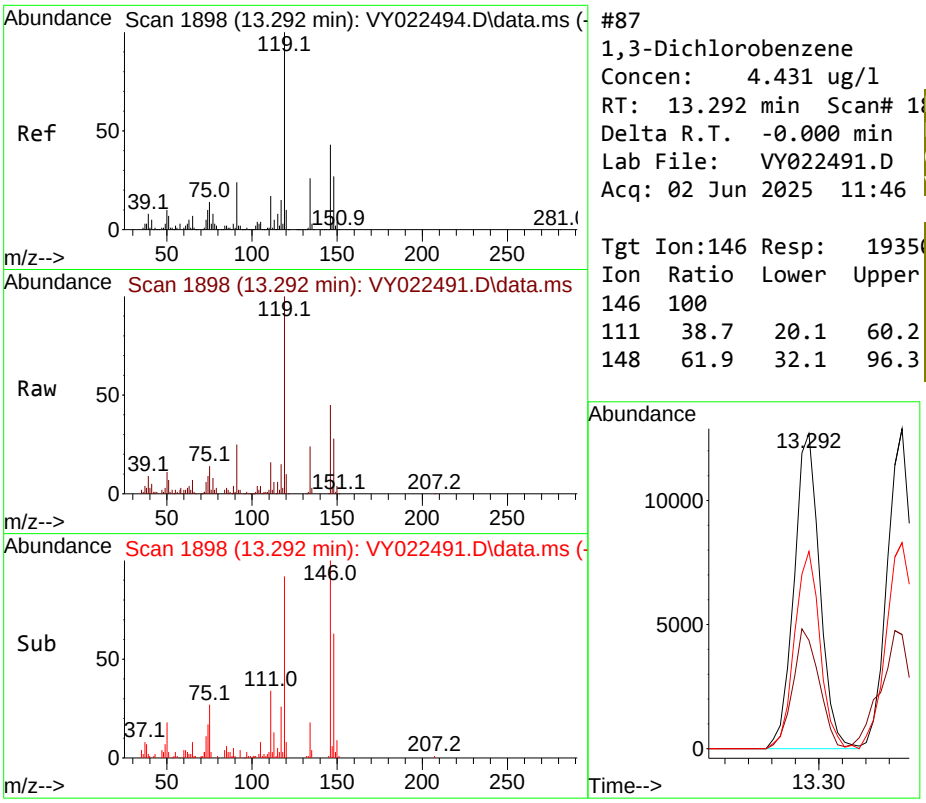


#86
p-Isopropyltoluene
Concen: 4.240 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 38822

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.1
91	24.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 4.431 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 1935

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	61.9	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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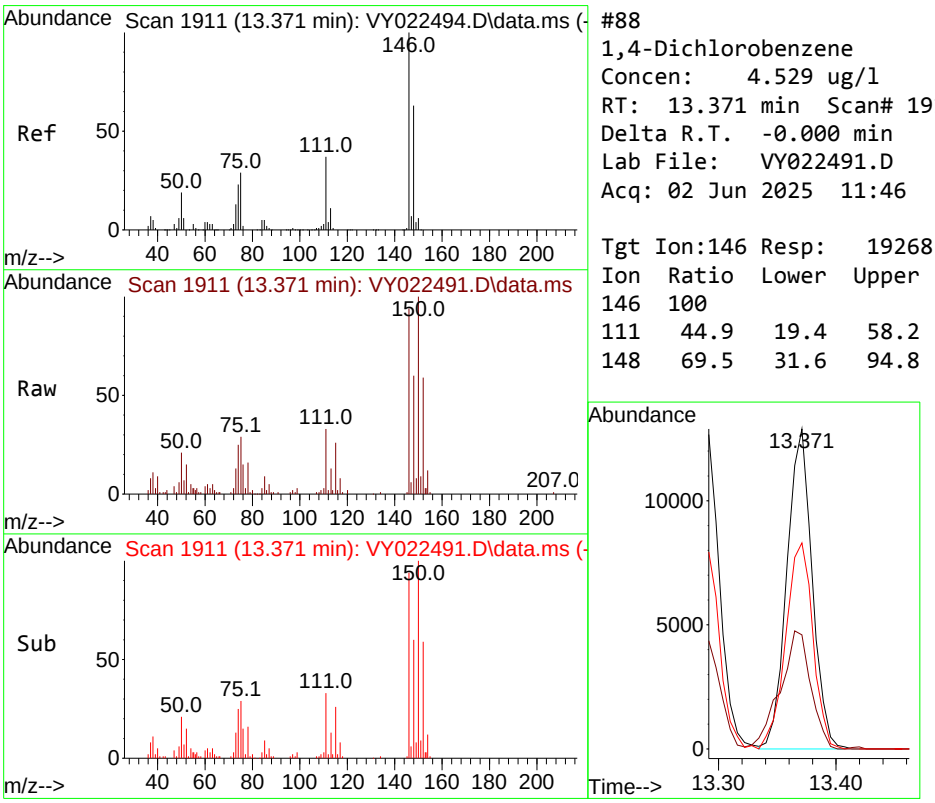
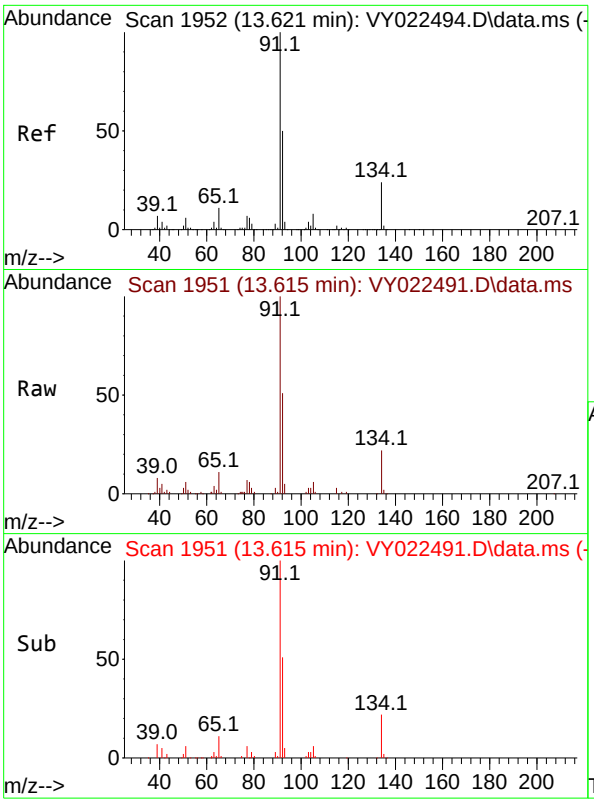
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#88
1,4-Dichlorobenzene
Concen: 4.529 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 19268

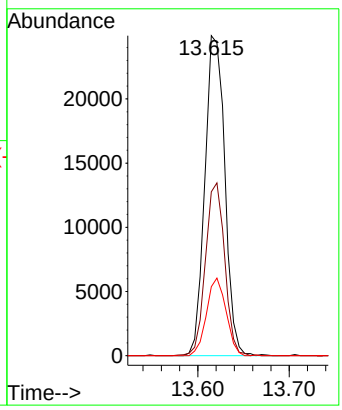
Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.4	58.2
148	69.5	31.6	94.8



#89
n-Butylbenzene
Concen: 4.333 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 3777

Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	23.8	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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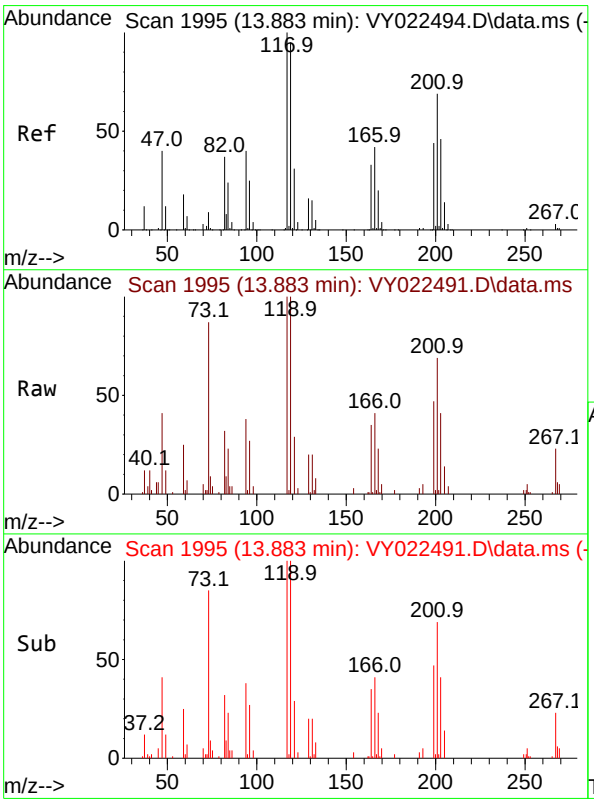
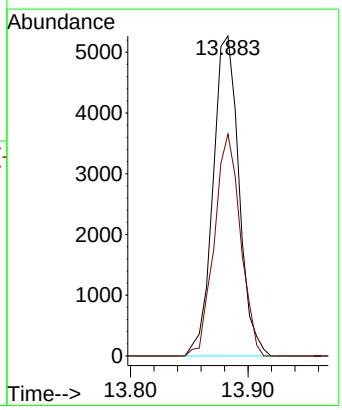
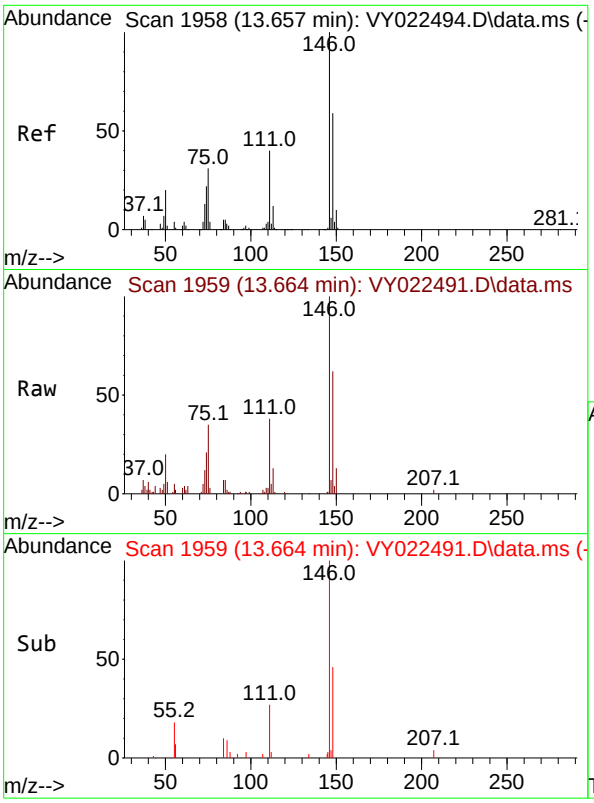


#90
Hexachloroethane
Concen: 4.506 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 8072

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.0	102.0

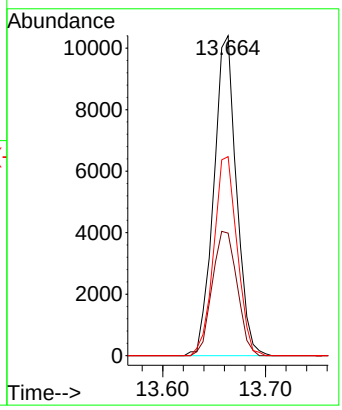




#91
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 1592

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.6
148	64.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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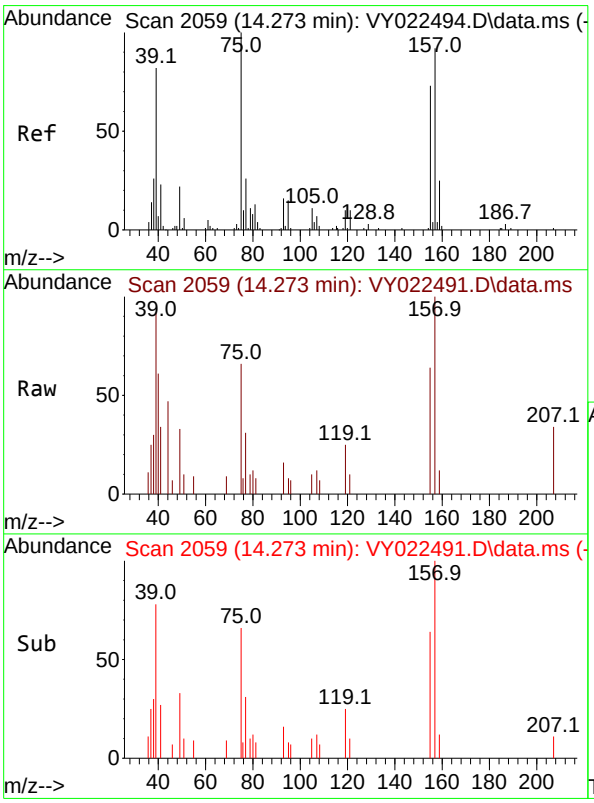
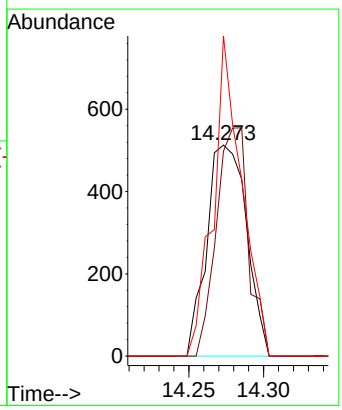
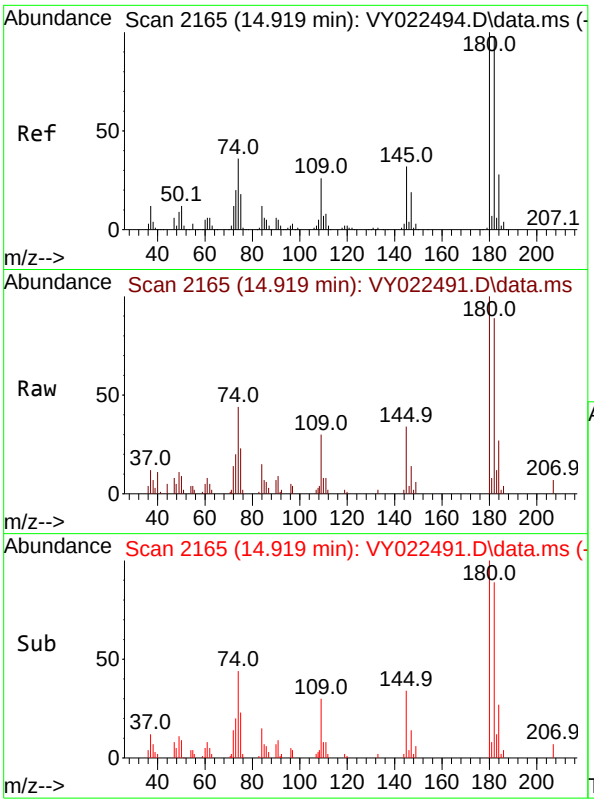


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 949

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	109.5	54.0	162.0

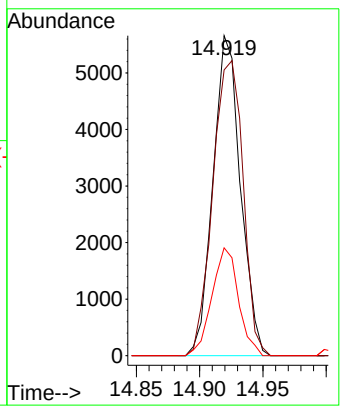




#93
1,2,4-Trichlorobenzene
Concen: 4.159 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 852

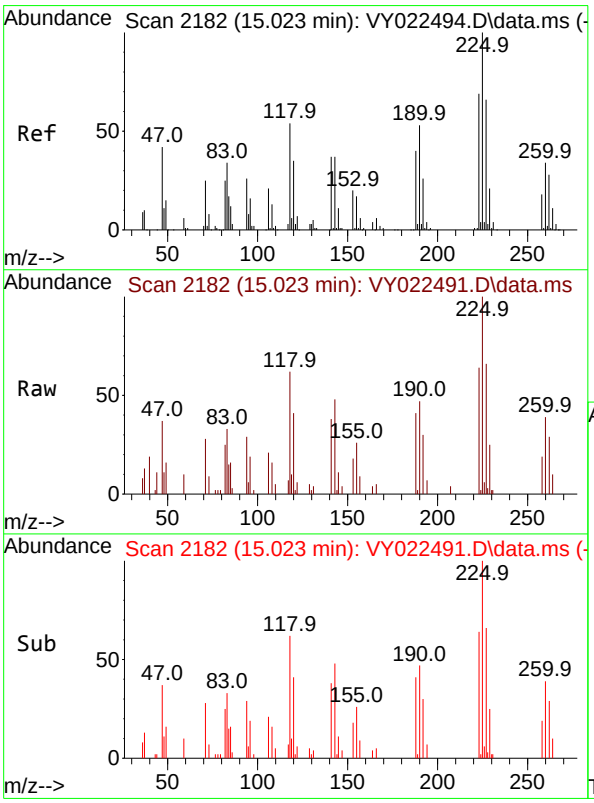
Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.4	145.3
145	32.6	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

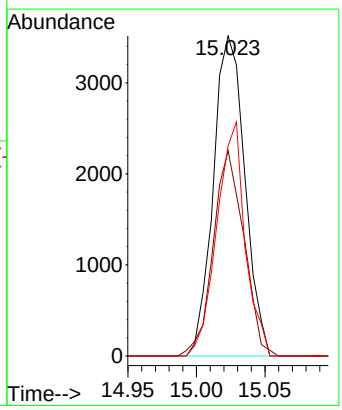
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

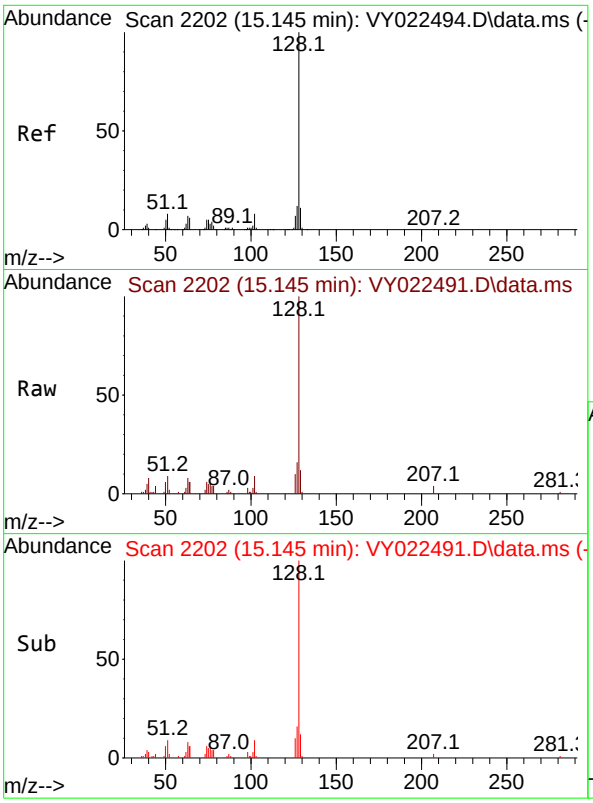


#94
Hexachlorobutadiene
Concen: 5.024 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:225 Resp: 5627

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.5	97.4
227	65.6	32.3	96.9

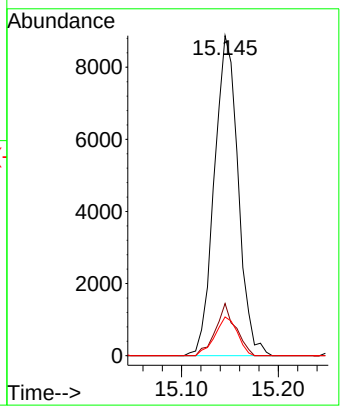




#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:128 Resp: 1516

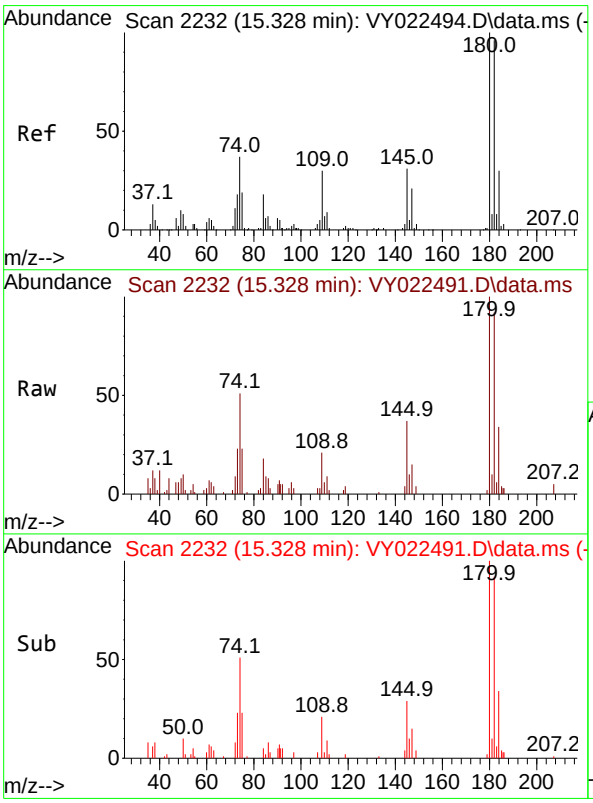
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

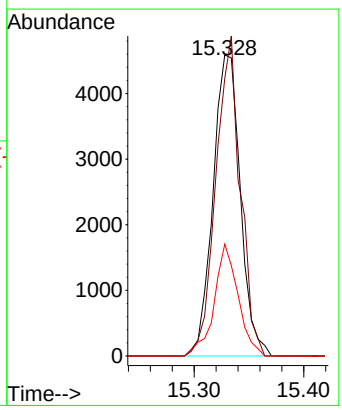
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.563 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 7952

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	32.5	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l		
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l		
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l		
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

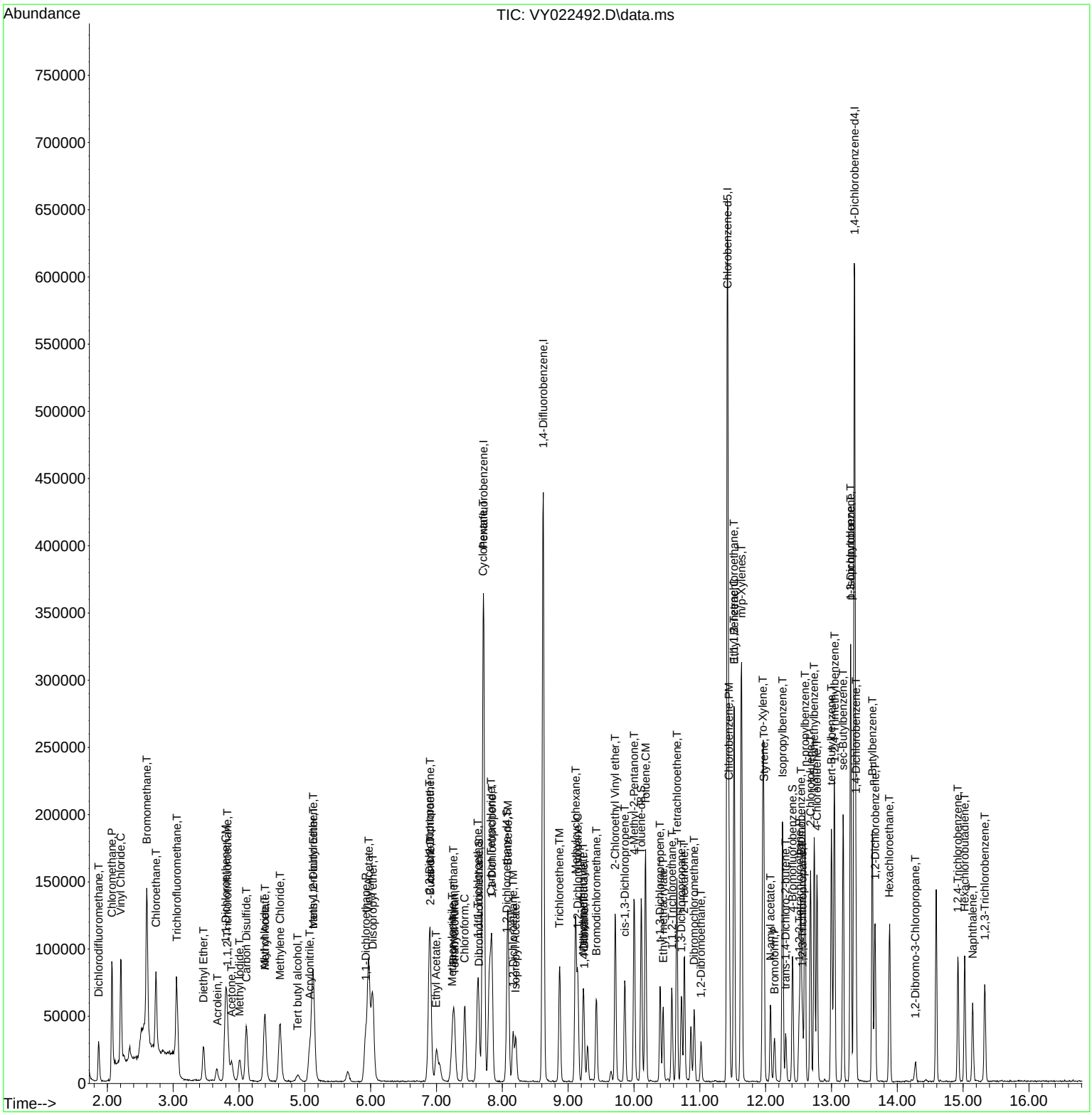
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

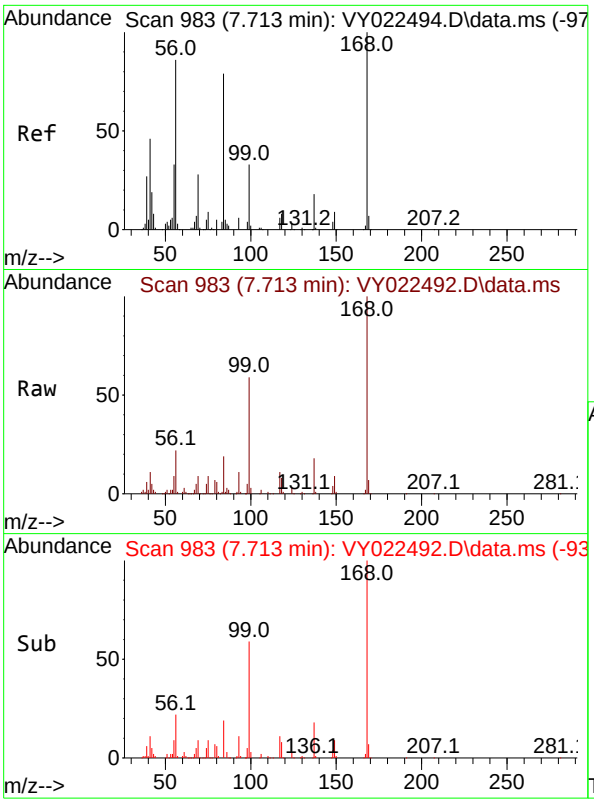
Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

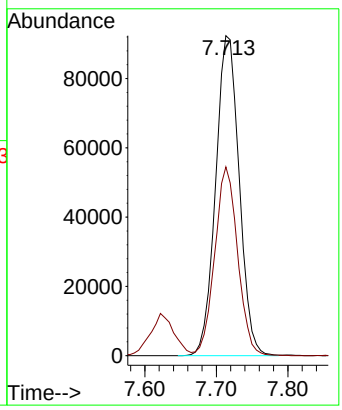
Tgt Ion:168 Resp: 21123

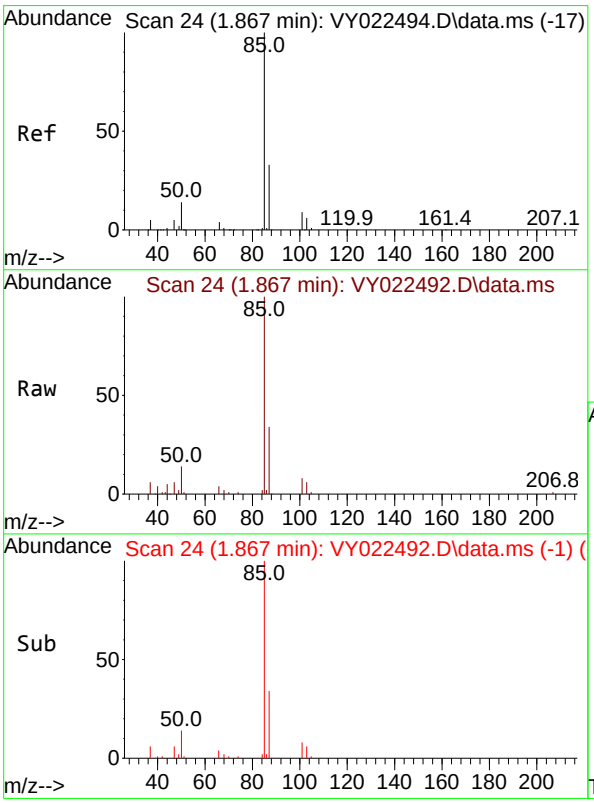
Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.3	66.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

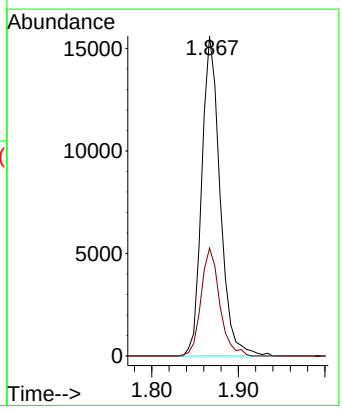


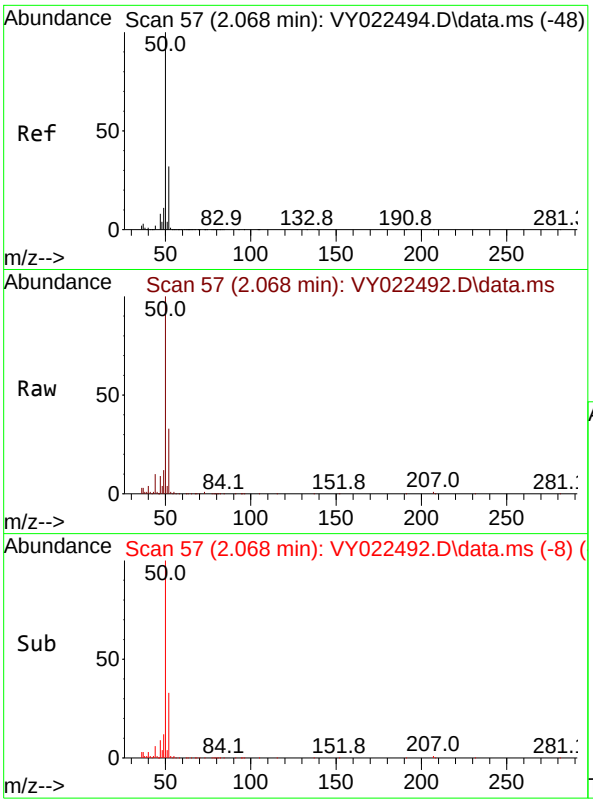


#2
Dichlorodifluoromethane
Concen: 12.412 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 85 Resp: 22911

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0





#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

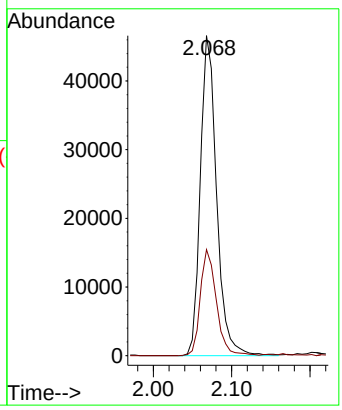
Tgt Ion: 50 Resp: 6719

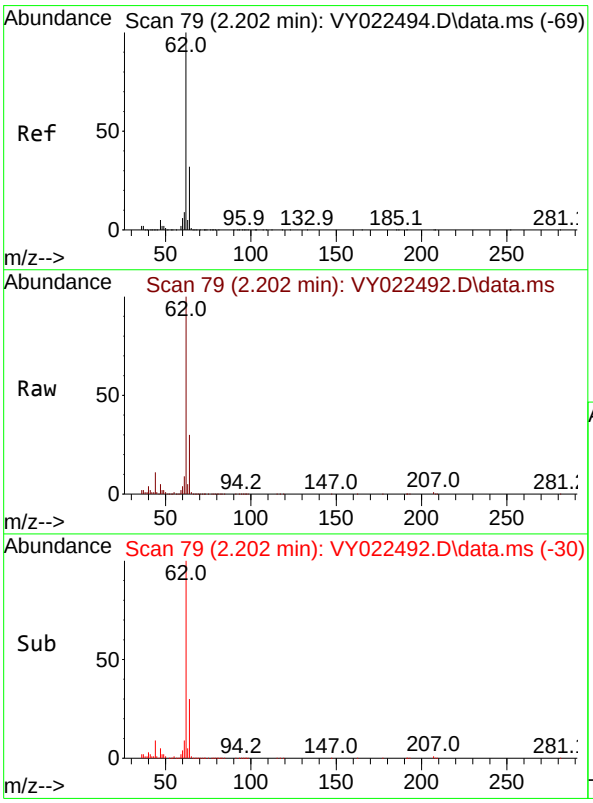
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

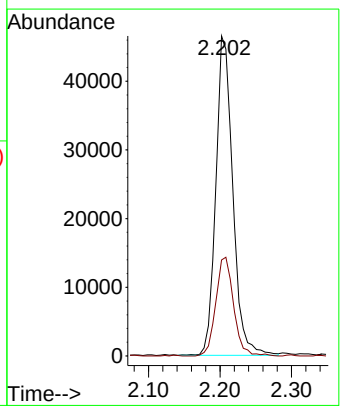


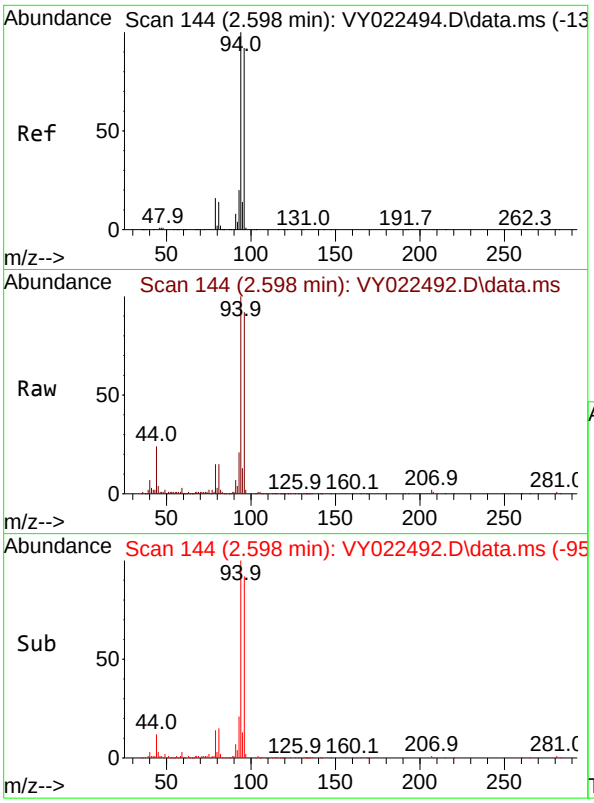


#4
Vinyl Chloride
Concen: 12.027 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 76656

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9

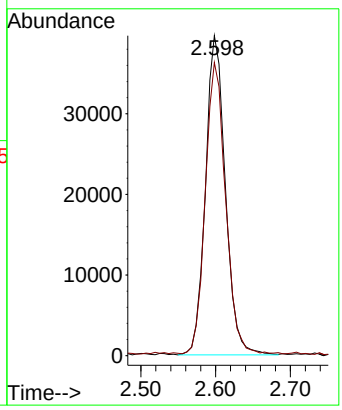




#5
Bromomethane
Concen: 12.157 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 94 Resp: 7328

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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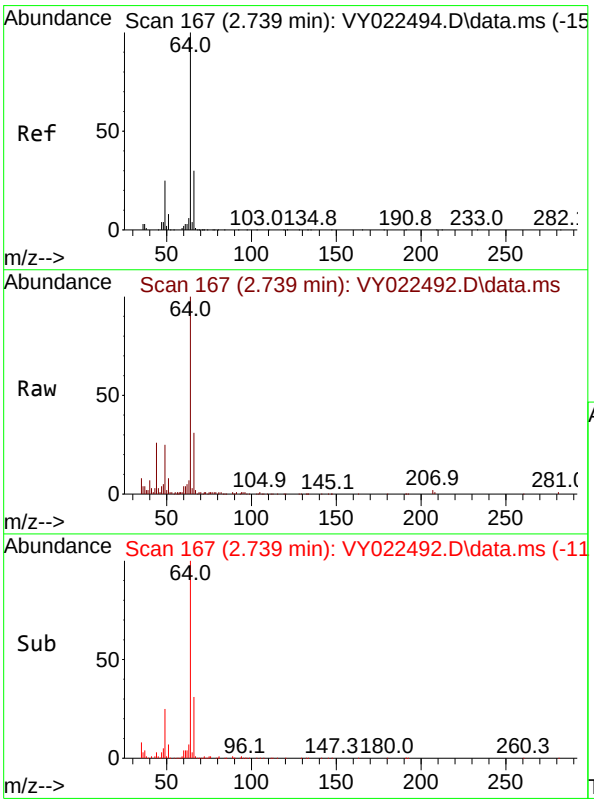
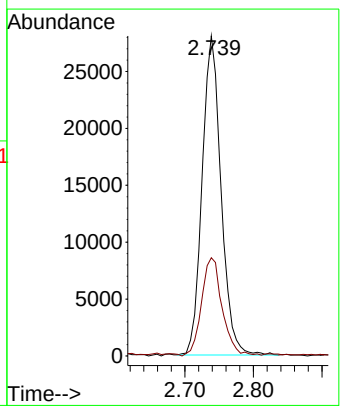
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

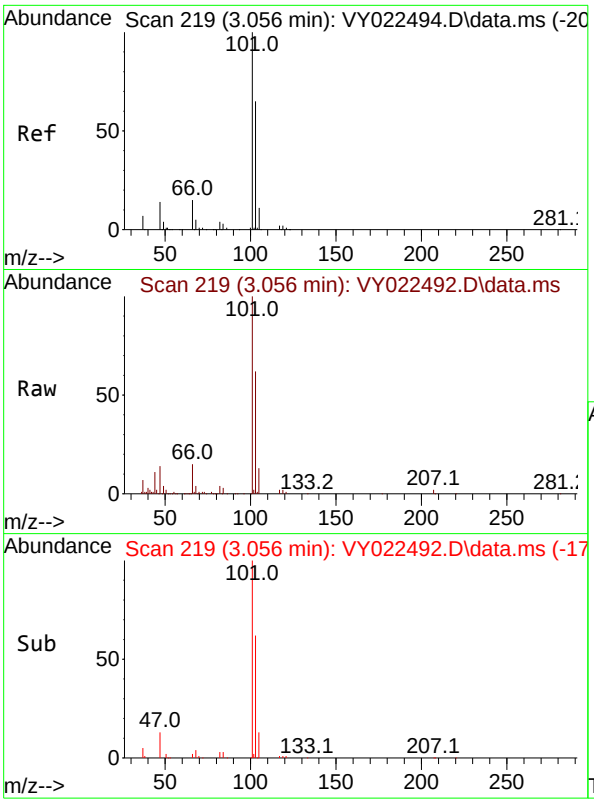


#6
Chloroethane
Concen: 12.374 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 64 Resp: 53992

Ion	Ratio	Lower	Upper
64	100		
66	30.3	23.8	35.6

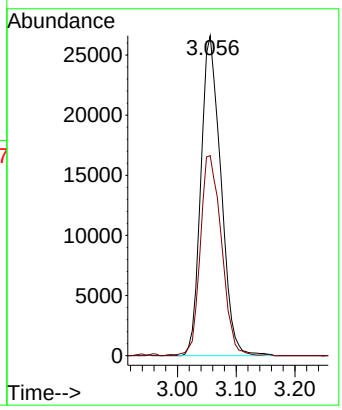




#7
Trichlorofluoromethane
Concen: 11.642 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:101 Resp: 6304

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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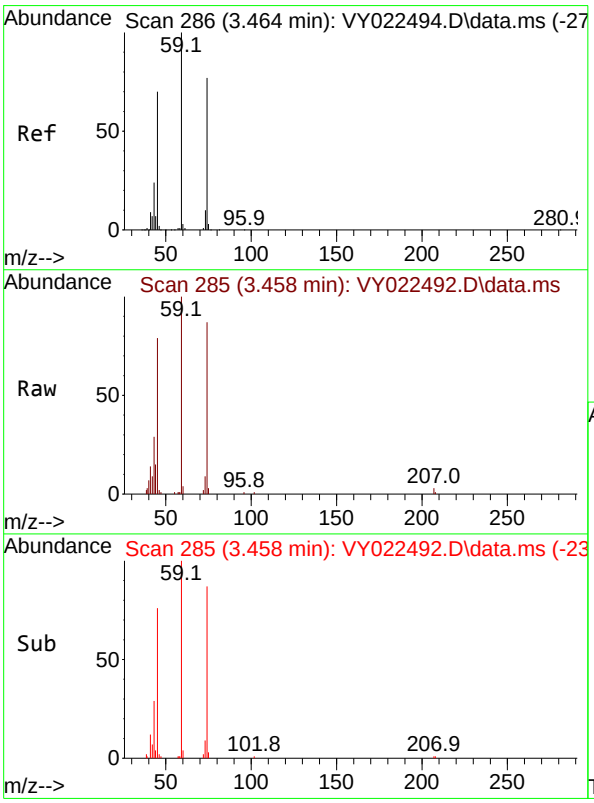
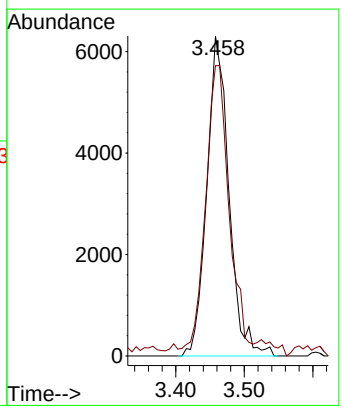
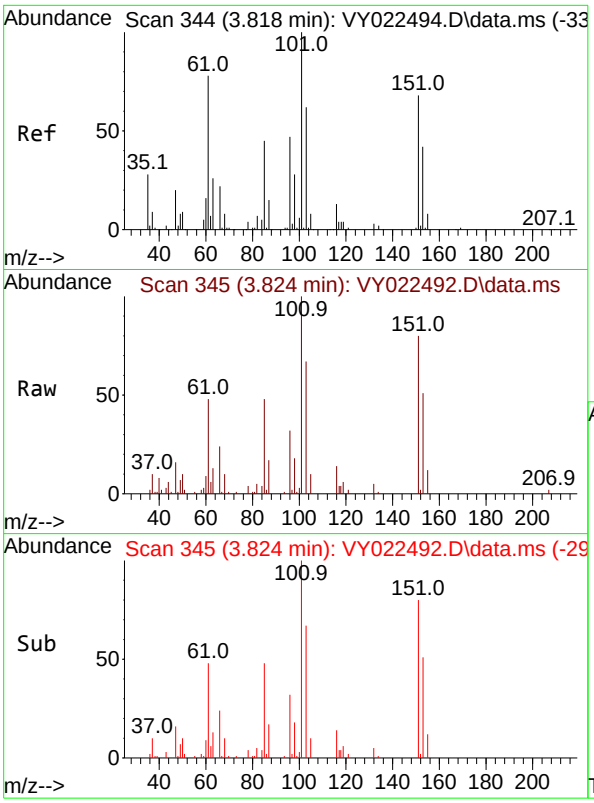


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 74 Resp: 14144

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:101 Resp: 2599

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
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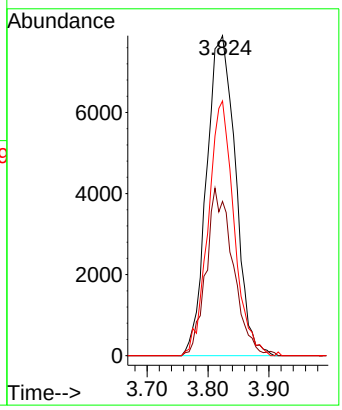
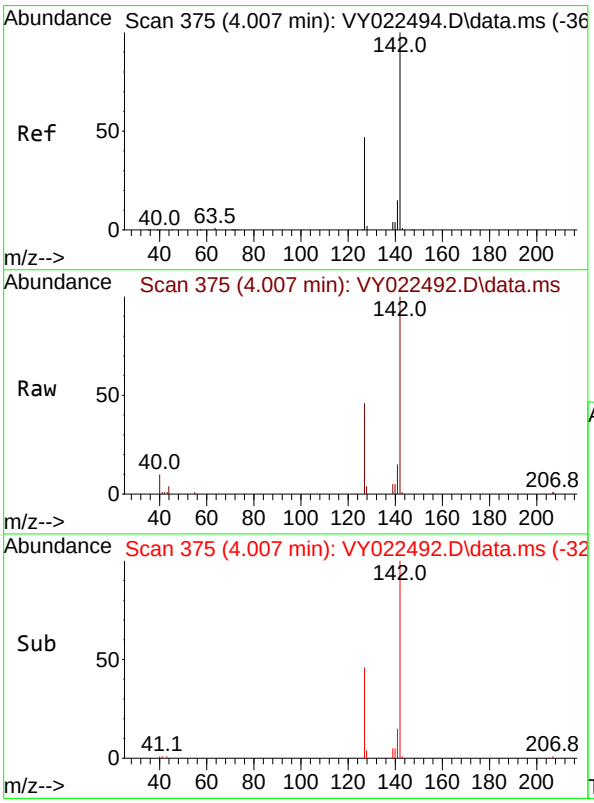
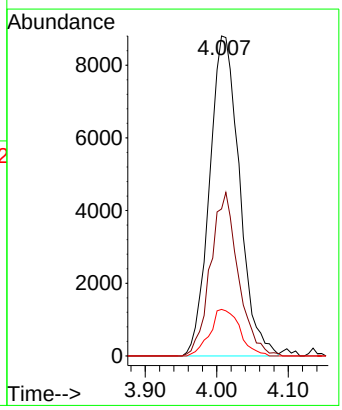


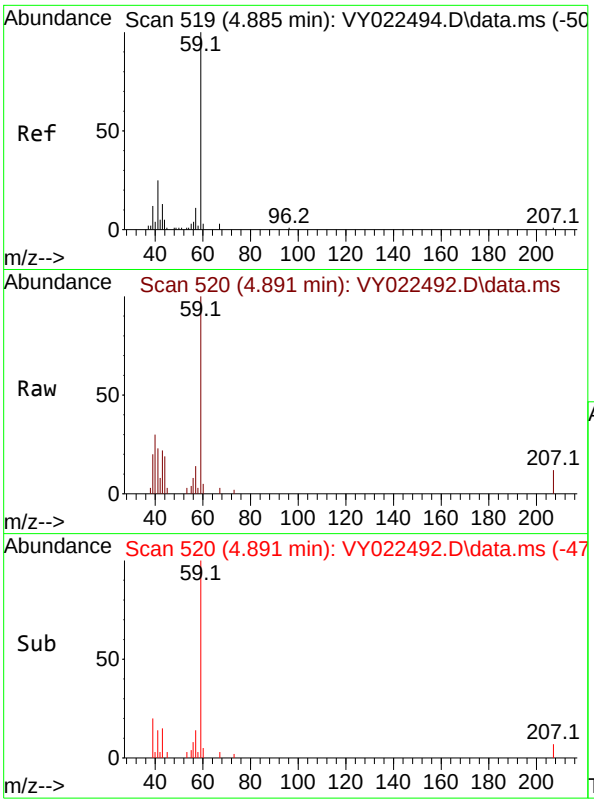


#10
Methyl Iodide
Concen: 10.505 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:142 Resp: 25590

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.6	11.4	17.2

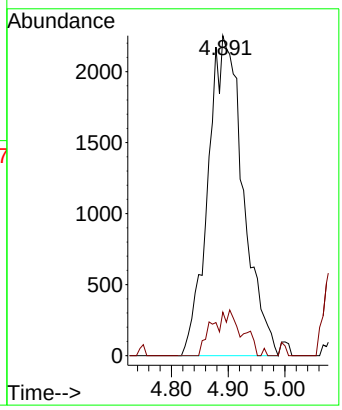




#11
Tert butyl alcohol
Concen: 59.275 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 59 Resp: 973

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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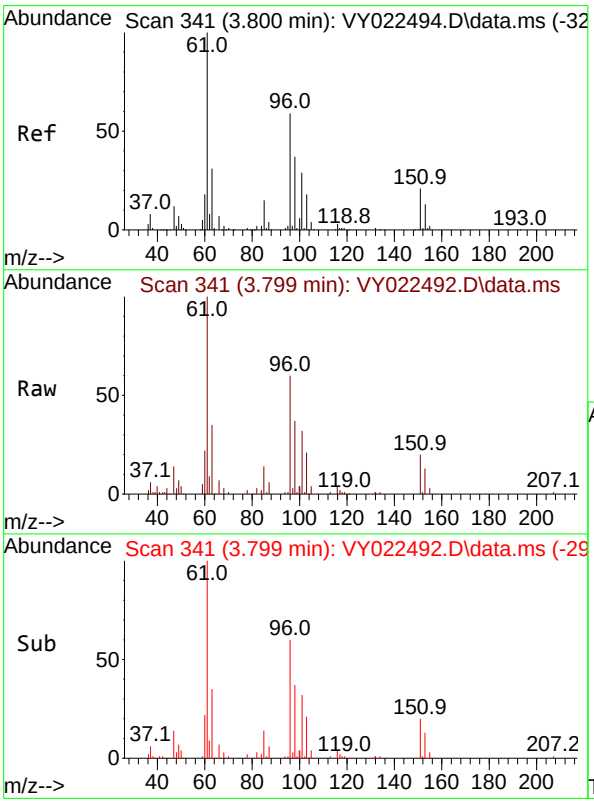
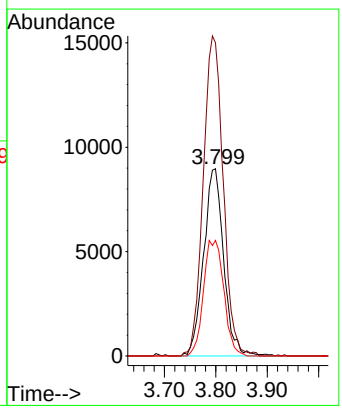
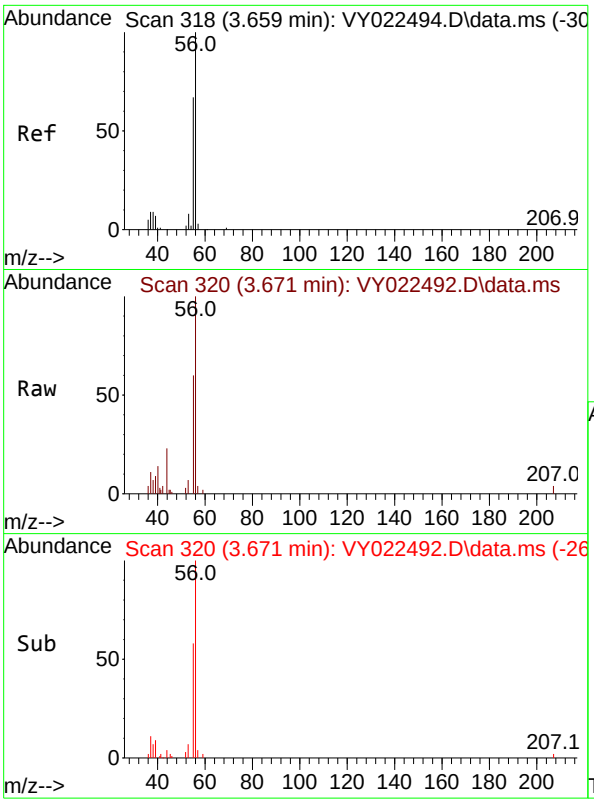


#12
1,1-Dichloroethene
Concen: 11.240 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 24370

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	61.7	50.2	75.4

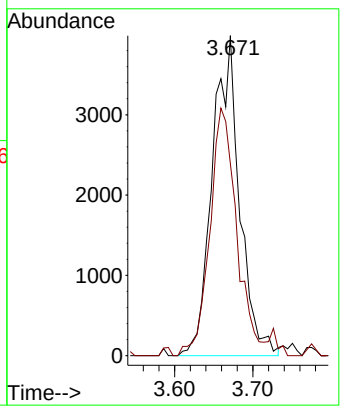




#13
Acrolein
Concen: 48.151 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 56 Resp: 965

Ion	Ratio	Lower	Upper
56	100		
55	76.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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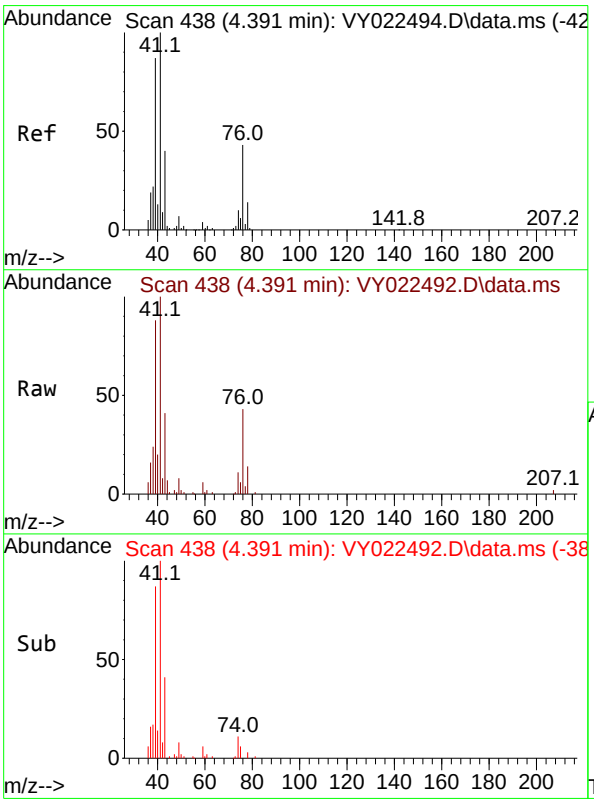
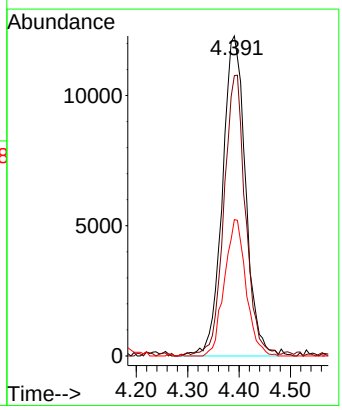
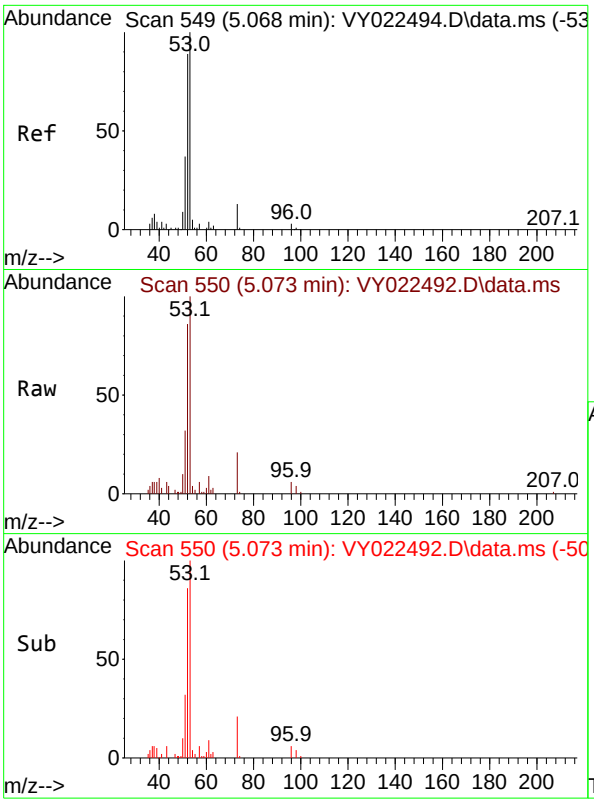


#14
Allyl chloride
Concen: 11.389 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 38482

Ion	Ratio	Lower	Upper
41	100		
39	80.5	69.1	103.7
76	39.7	33.5	50.3

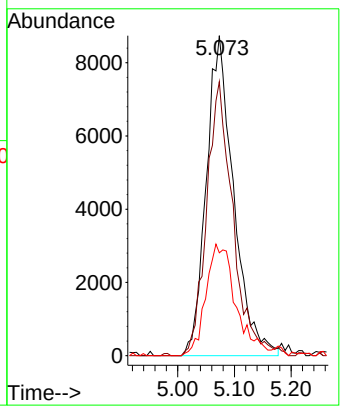




#15
Acrylonitrile
Concen: 57.299 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 53 Resp: 2915

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	38.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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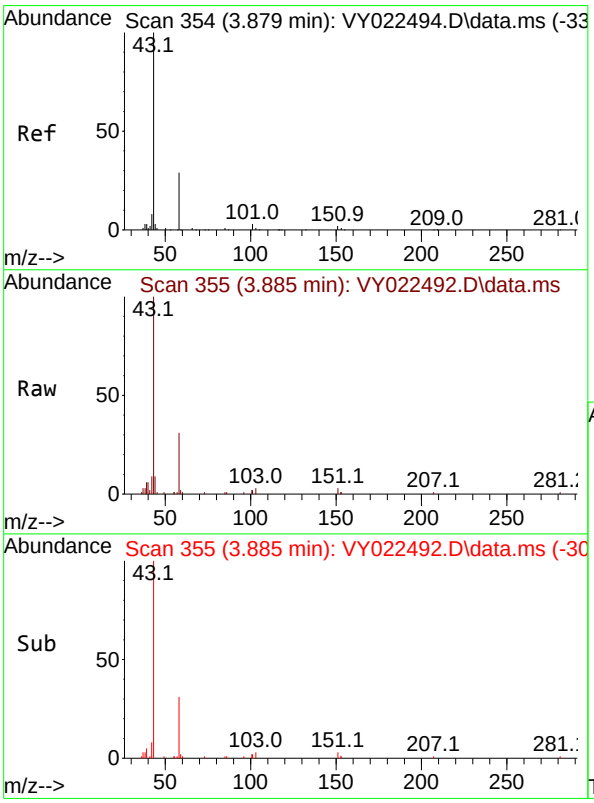
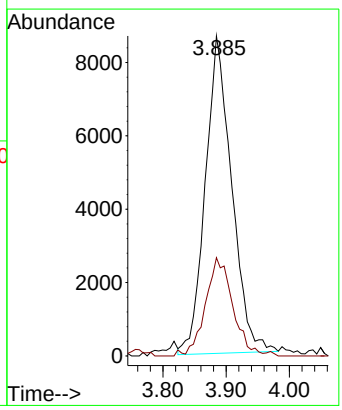
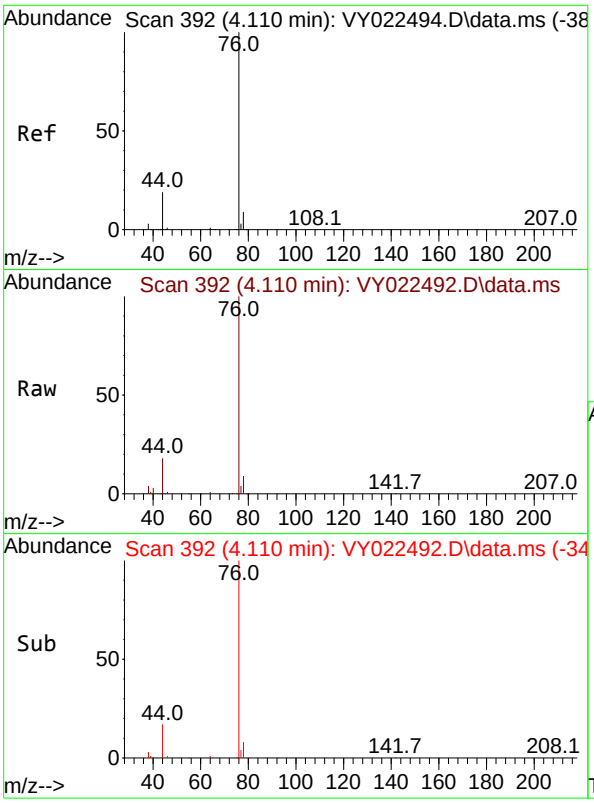


#16
Acetone
Concen: 55.166 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 25066

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0





#17
Carbon Disulfide
Concen: 11.413 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 76 Resp: 7900

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
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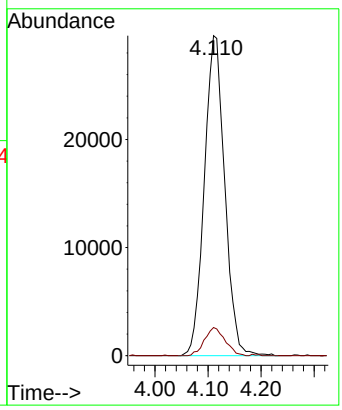
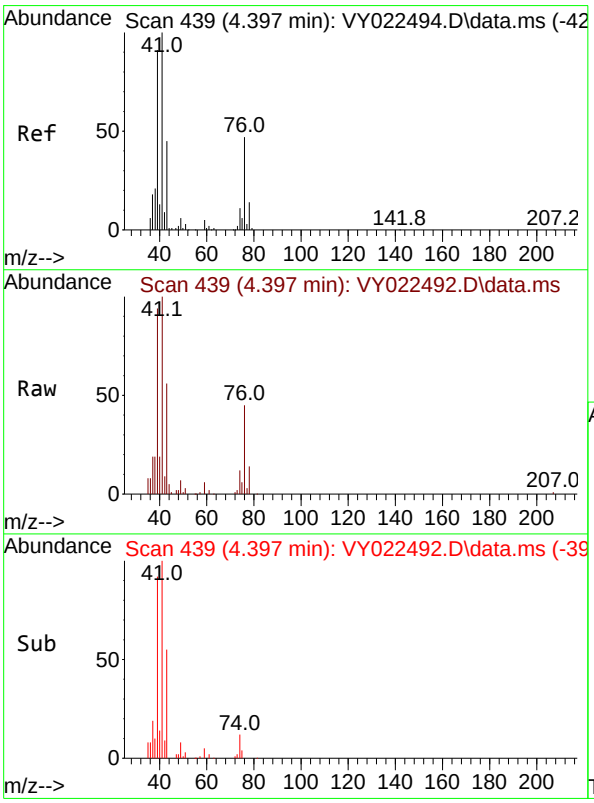
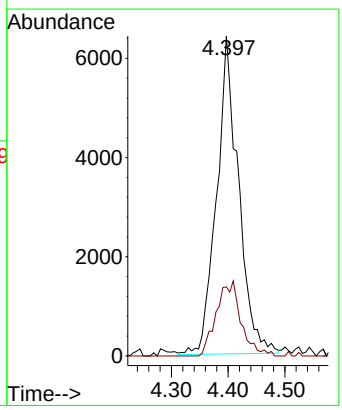


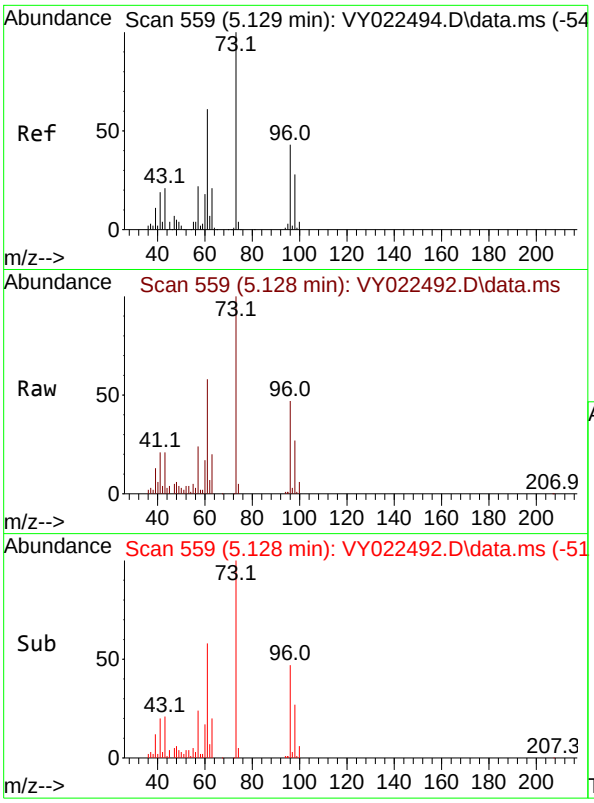


#18
Methyl Acetate
Concen: 12.603 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 17228

Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.8	29.6

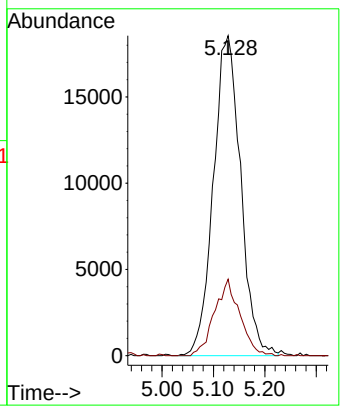




#19
Methyl tert-butyl Ether
Concen: 11.296 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 73 Resp: 6833

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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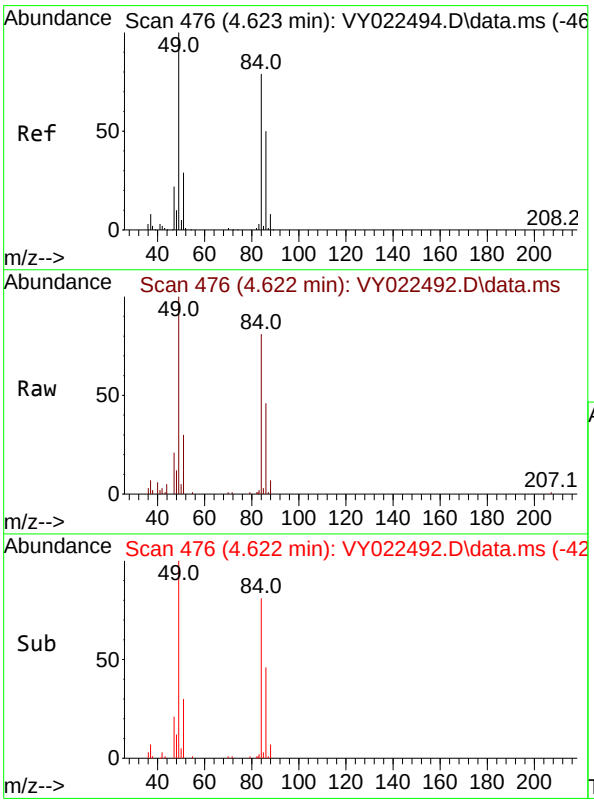
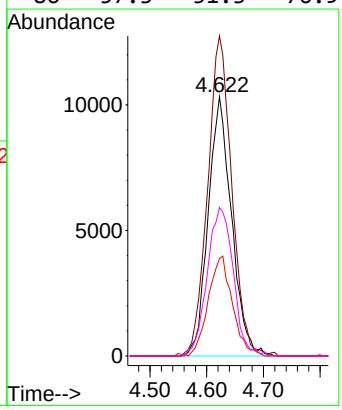
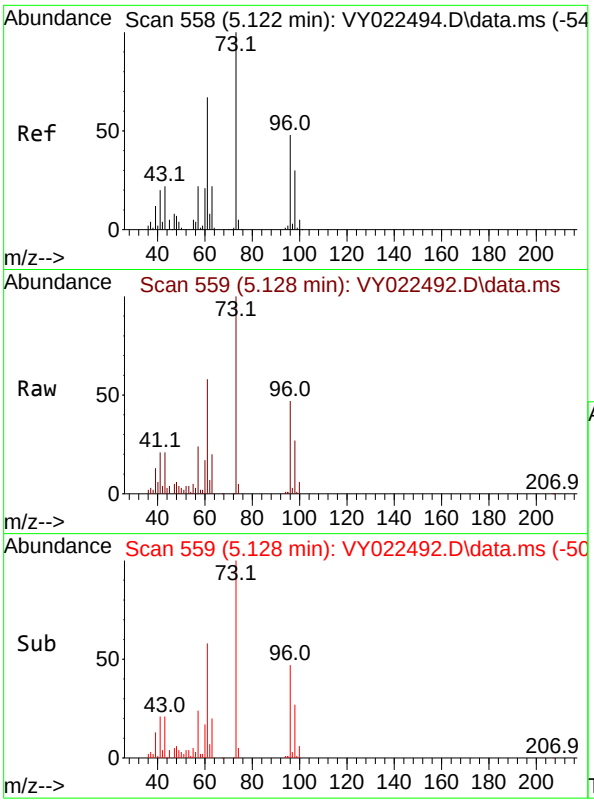


#20
Methylene Chloride
Concen: 11.655 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 84 Resp: 29569

Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.9	152.9
51	37.5	29.8	44.8
86	57.3	51.3	76.9

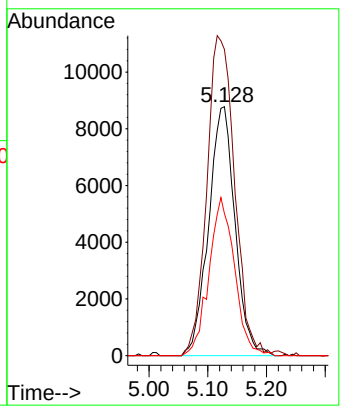




#21
trans-1,2-Dichloroethene
Concen: 11.350 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 2749

Ion	Ratio	Lower	Upper
96	100		
61	123.0	112.6	169.0
98	57.1	50.6	75.8



Instrument :
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ClientSampleId :
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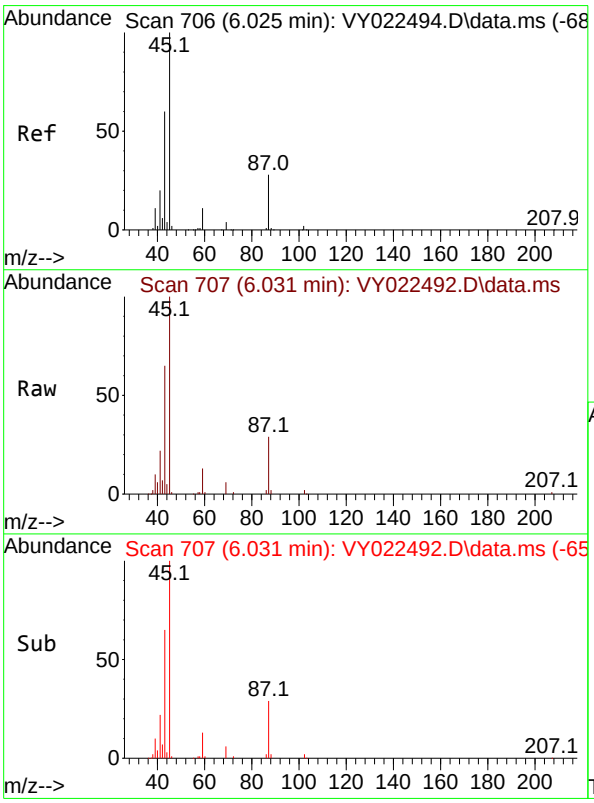
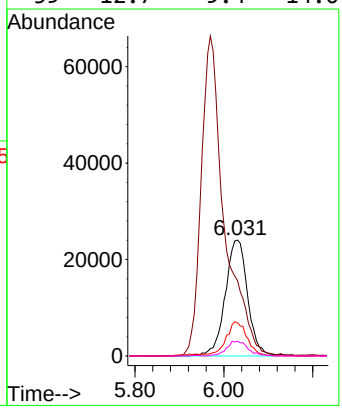
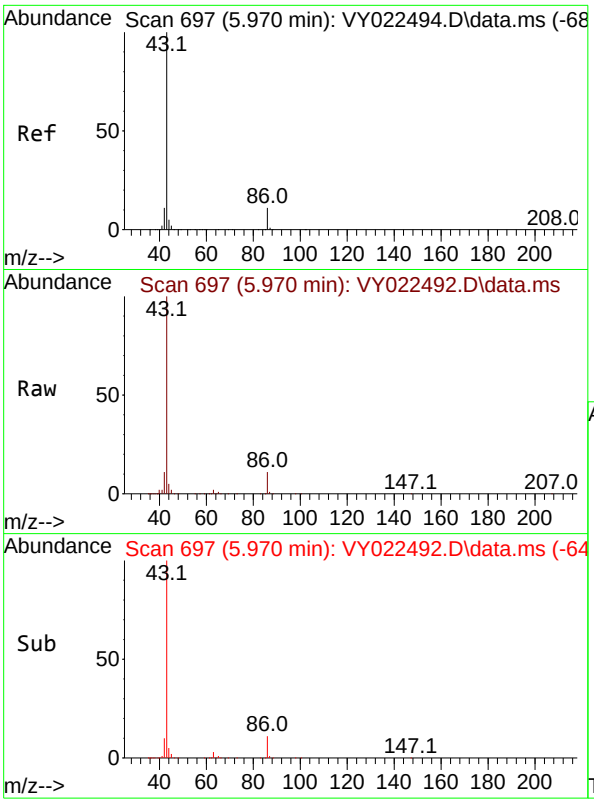


#22
Diisopropyl ether
Concen: 11.156 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 45 Resp: 83814

Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.3	72.5
87	28.5	23.0	34.6
59	12.7	9.4	14.0

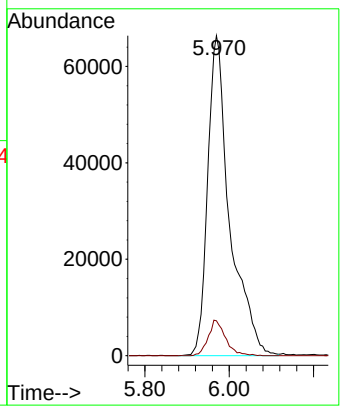




#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 24136

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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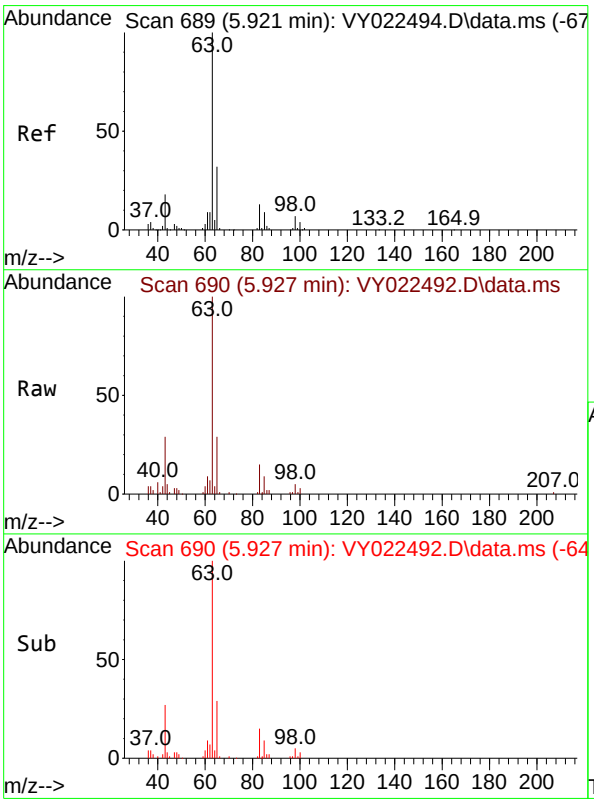
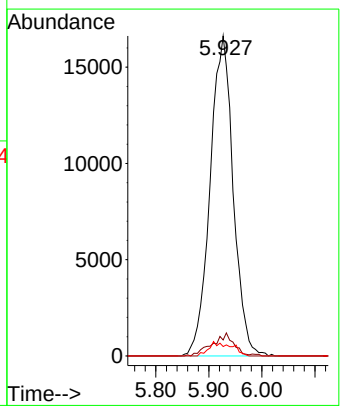
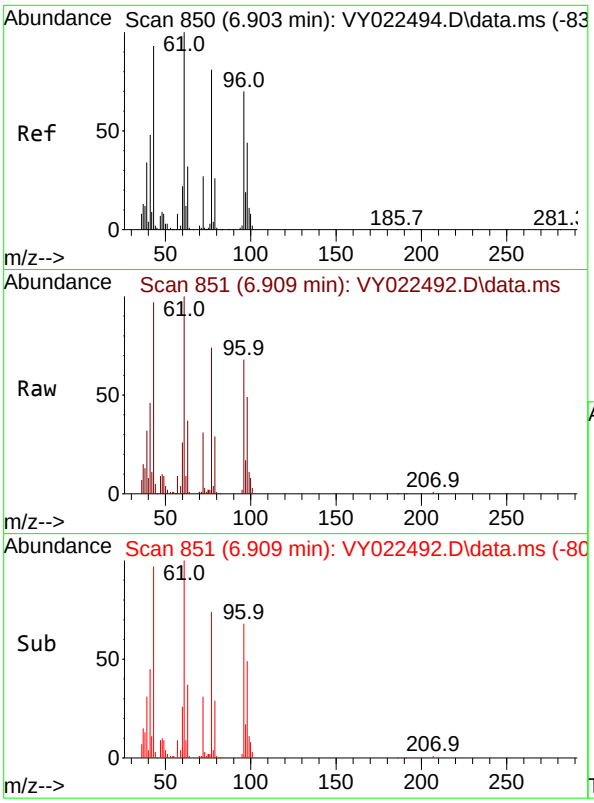


#24
1,1-Dichloroethane
Concen: 11.346 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 50391

Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.4	10.1
100	3.0	2.1	6.3





#25
2-Butanone
Concen: 54.840 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 3675

Ion	Ratio	Lower	Upper
43	100		
72	31.4	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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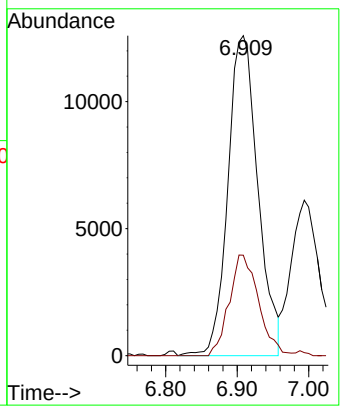
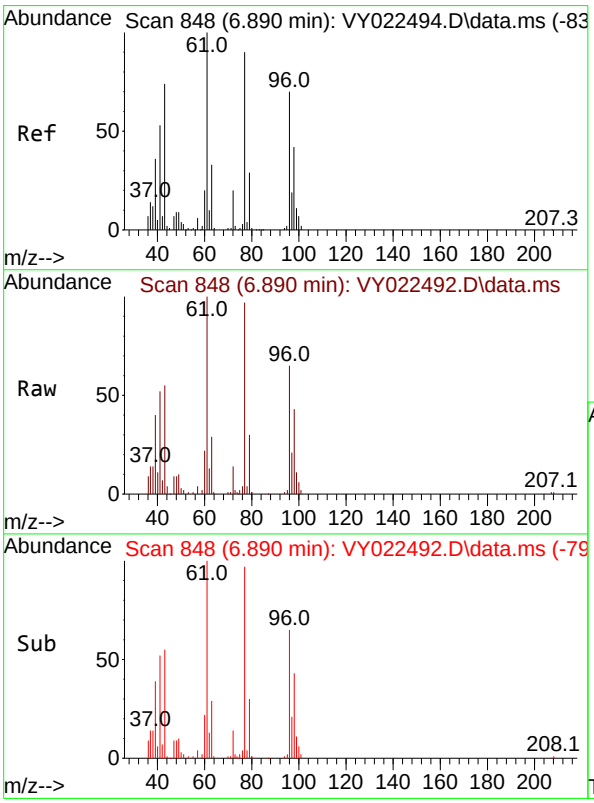
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

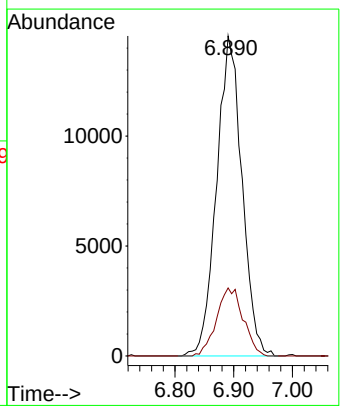


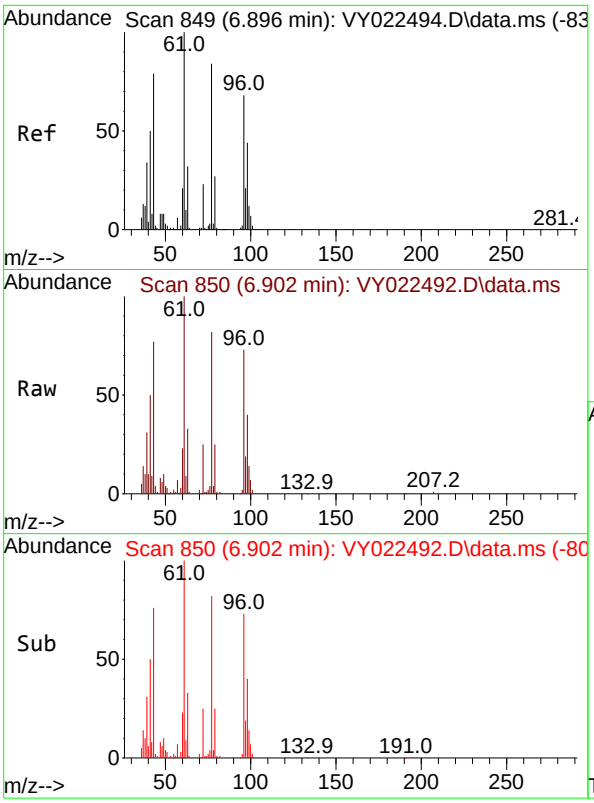


#26
2,2-Dichloropropane
Concen: 11.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 77 Resp: 43605

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2

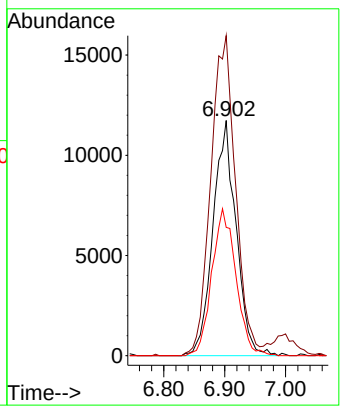




#27
cis-1,2-Dichloroethene
Concen: 11.028 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 3087

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.0
98	65.3	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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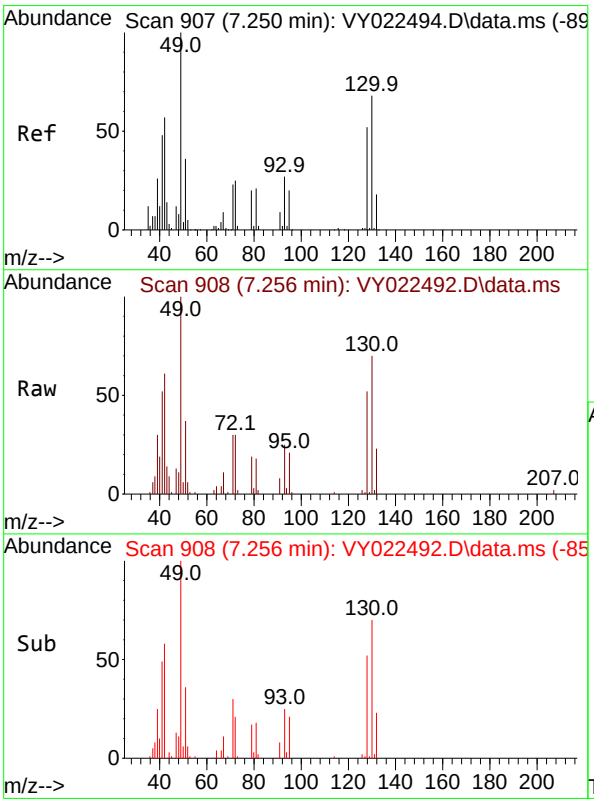
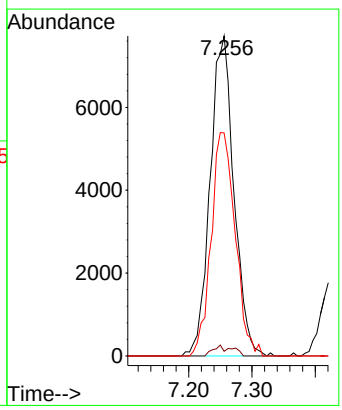
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

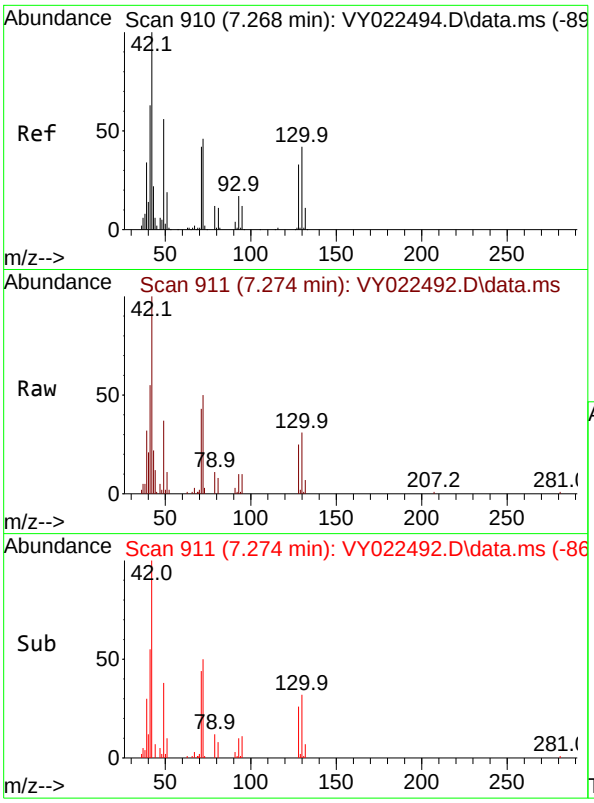


#28
Bromochloromethane
Concen: 10.491 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 49 Resp: 20132

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	70.8	55.7	83.5

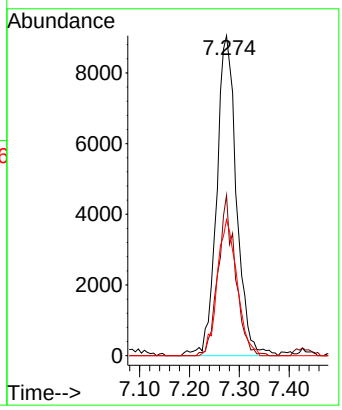




#29
Tetrahydrofuran
Concen: 57.822 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 42 Resp: 2500

Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.4	56.2
71	42.5	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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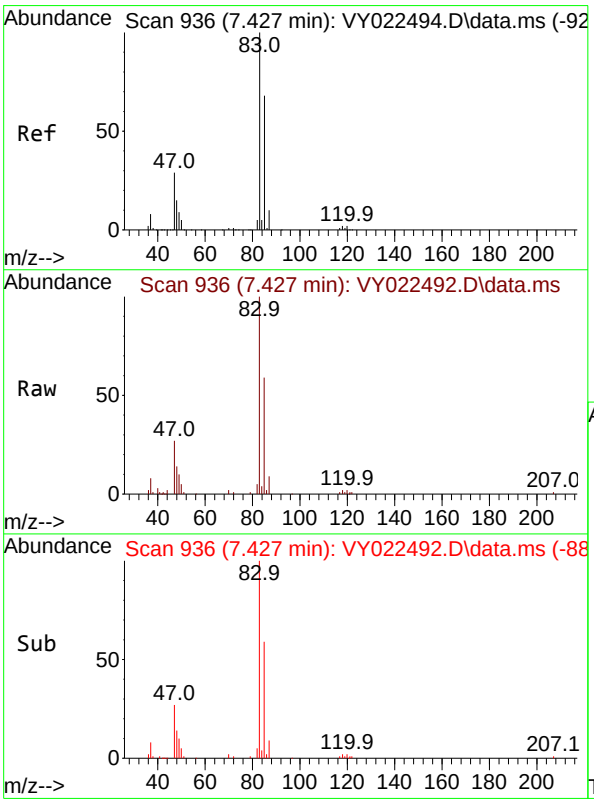
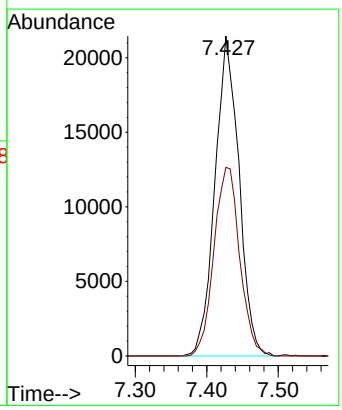
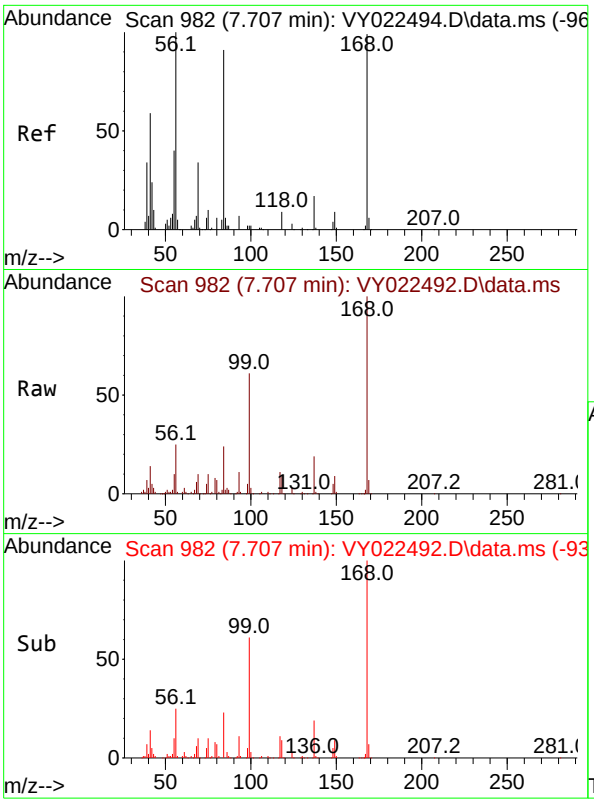


#30
Chloroform
Concen: 11.391 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 49990

Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4





#31
Cyclohexane
Concen: 11.422 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 56 Resp: 5105

Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.0	40.6
84	92.7	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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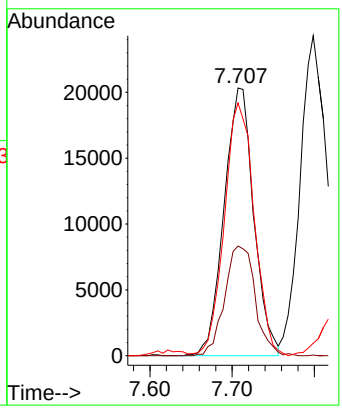
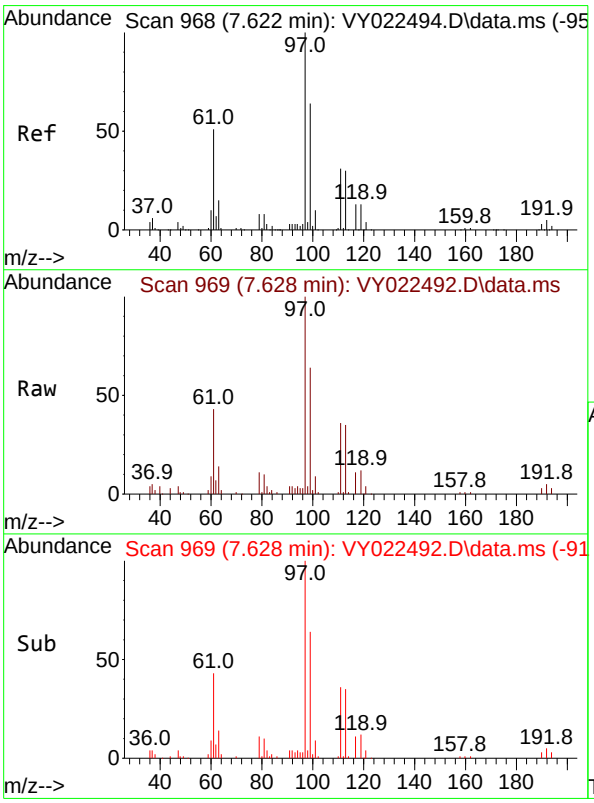
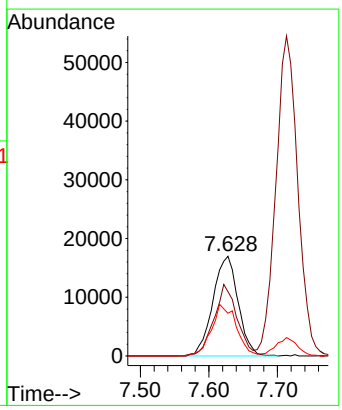


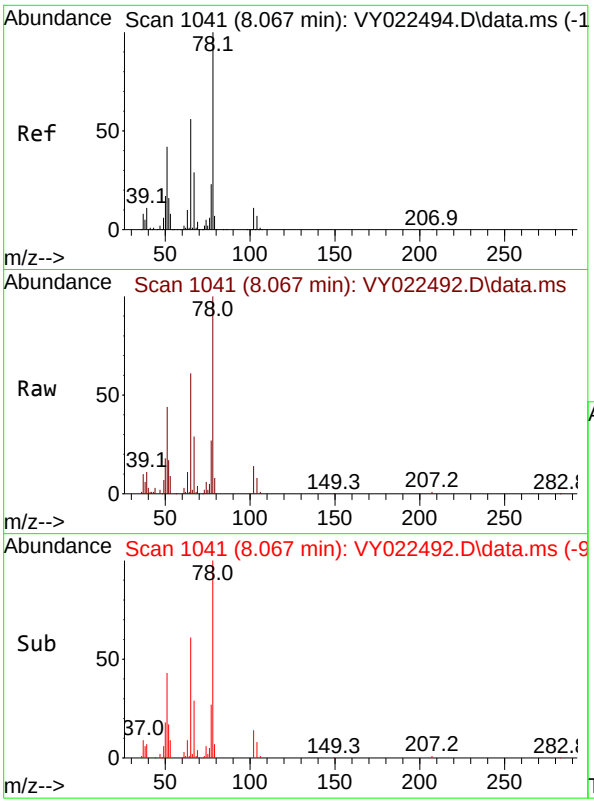


#32
1,1,1-Trichloroethane
Concen: 11.080 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 43454

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	50.6	38.5	57.7

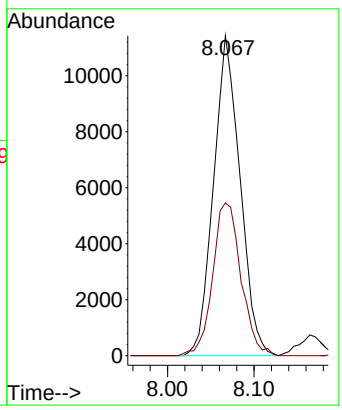




#33
1,2-Dichloroethane-d4
Concen: 10.549 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 65 Resp: 2424

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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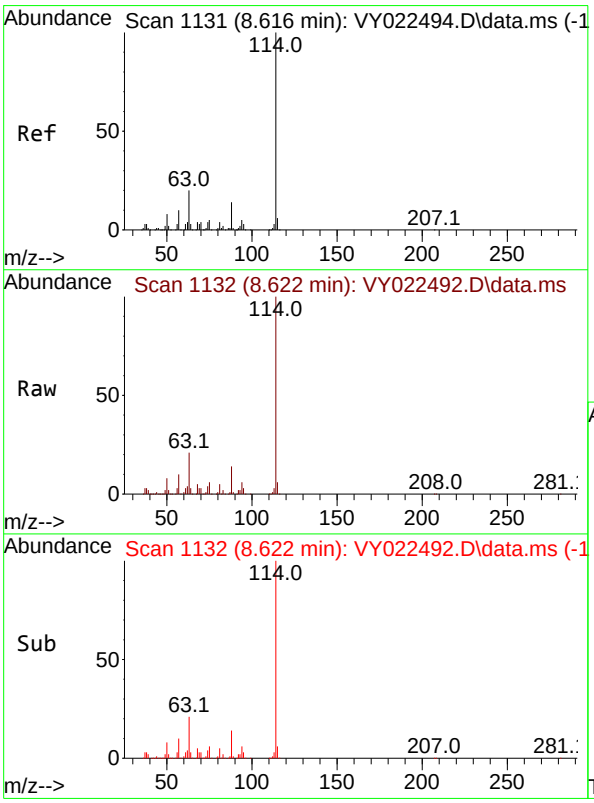
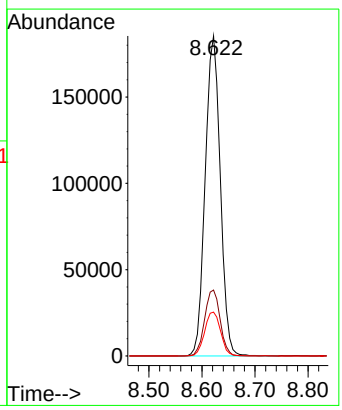
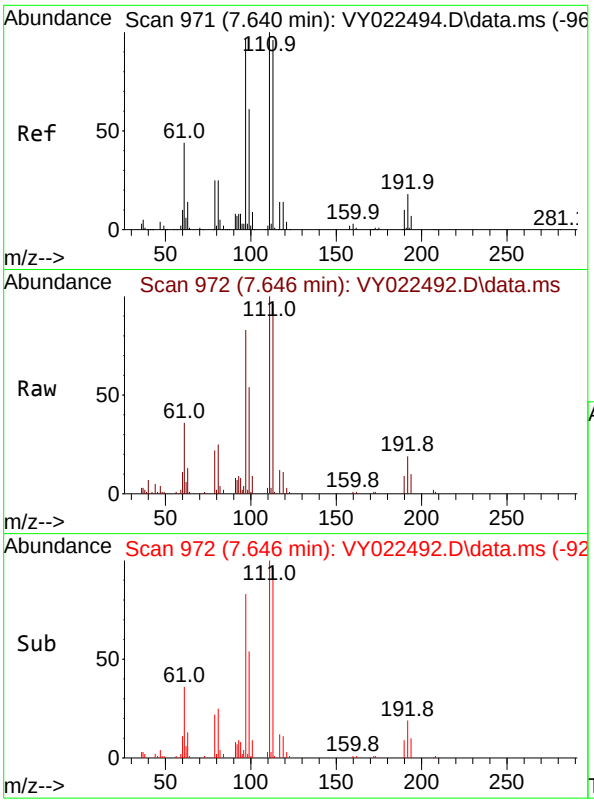


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:114 Resp: 366386

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	13.7	0.0	27.8

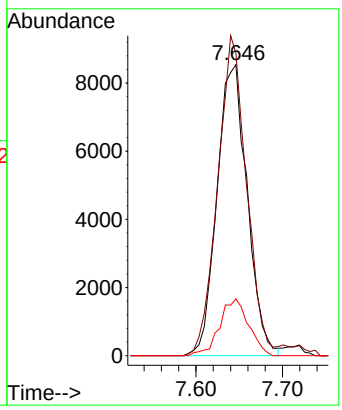




#35
Dibromofluoromethane
Concen: 9.617 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:113 Resp: 2074

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.1	121.7
192	18.7	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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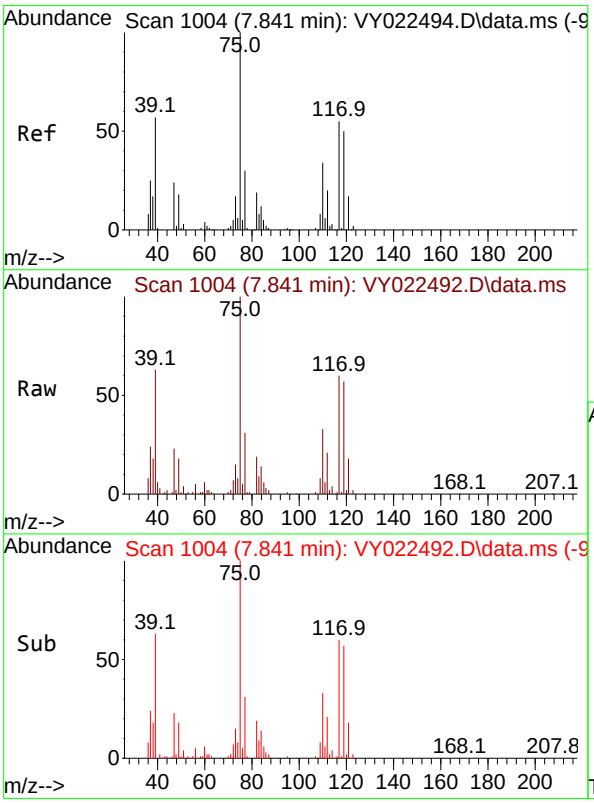
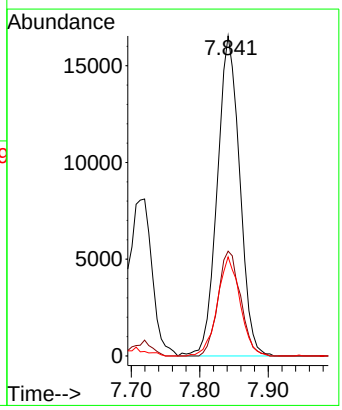
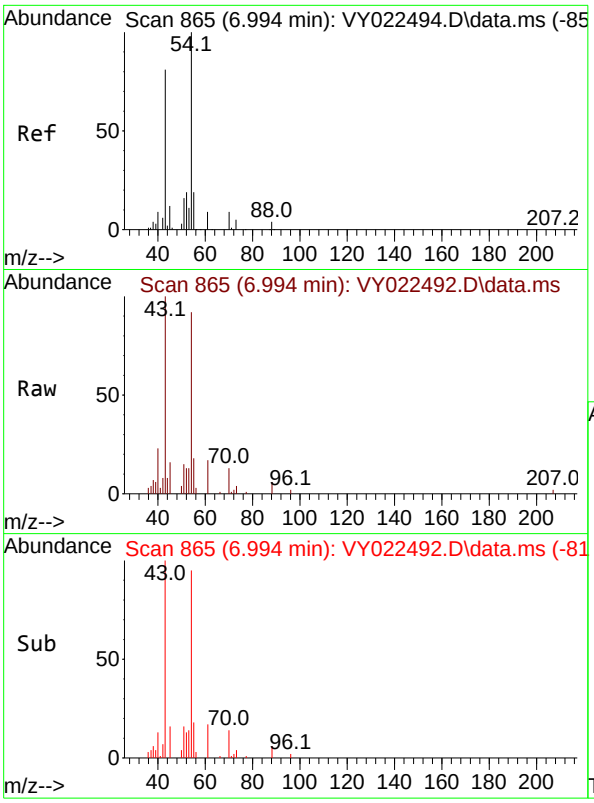


#36
1,1-Dichloropropene
Concen: 10.765 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 37532

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.5	24.8	37.2





#37
Ethyl Acetate
Concen: 10.371 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 1591

Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.5	17.3
70	9.8	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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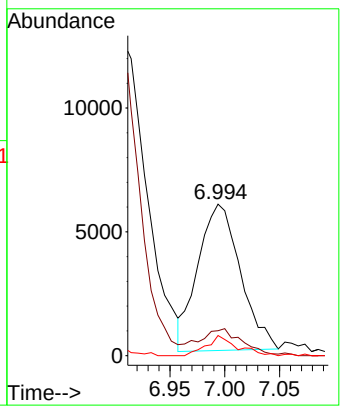
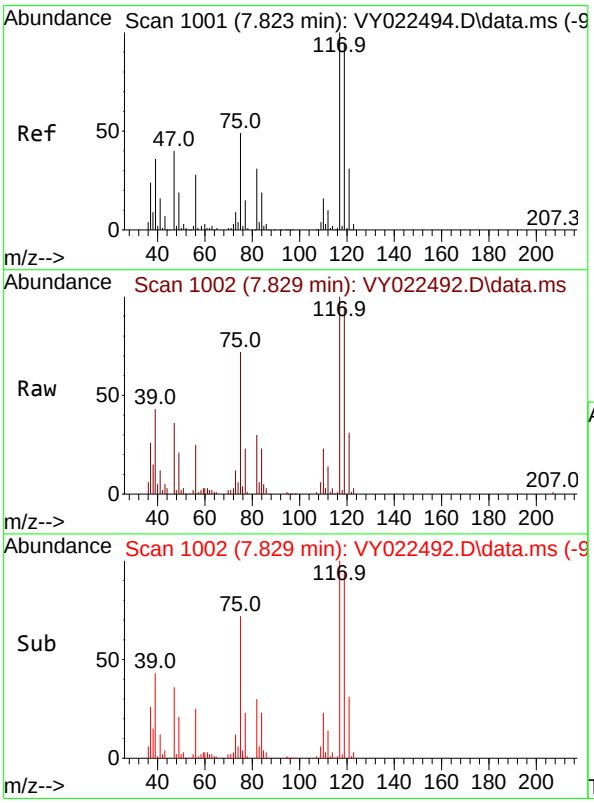
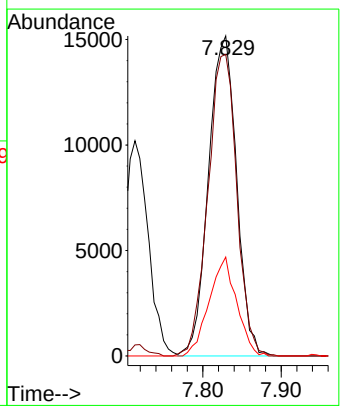


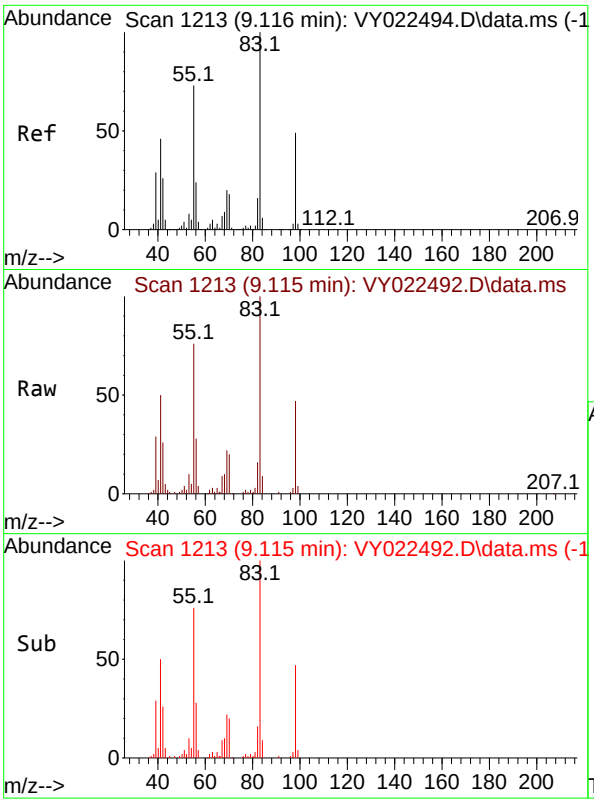


#38
Carbon Tetrachloride
Concen: 10.515 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 37794

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	30.9	25.0	37.4





#39
Methylcyclohexane
Concen: 10.491 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 4941

Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.1	87.1
98	47.5	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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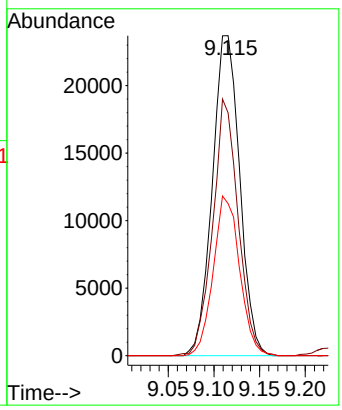
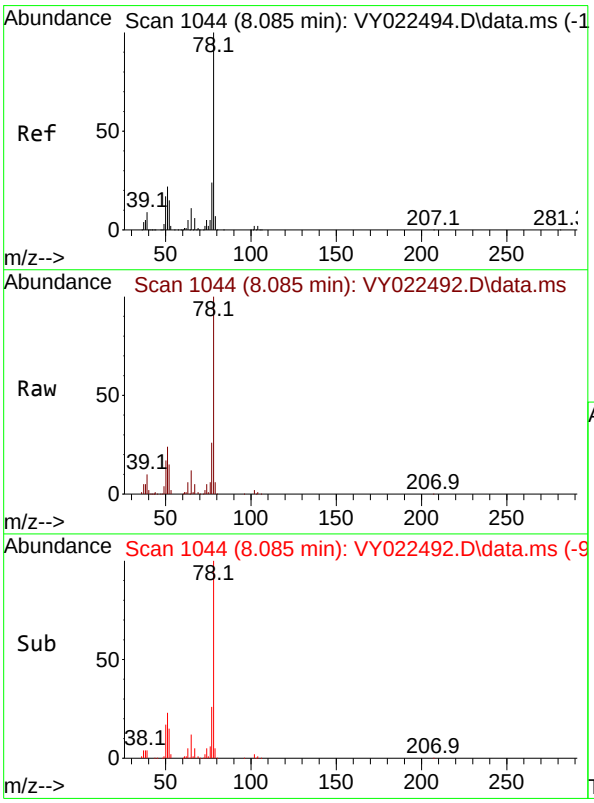
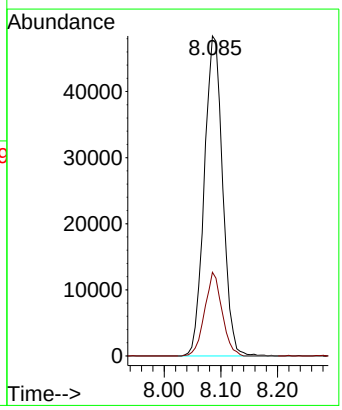


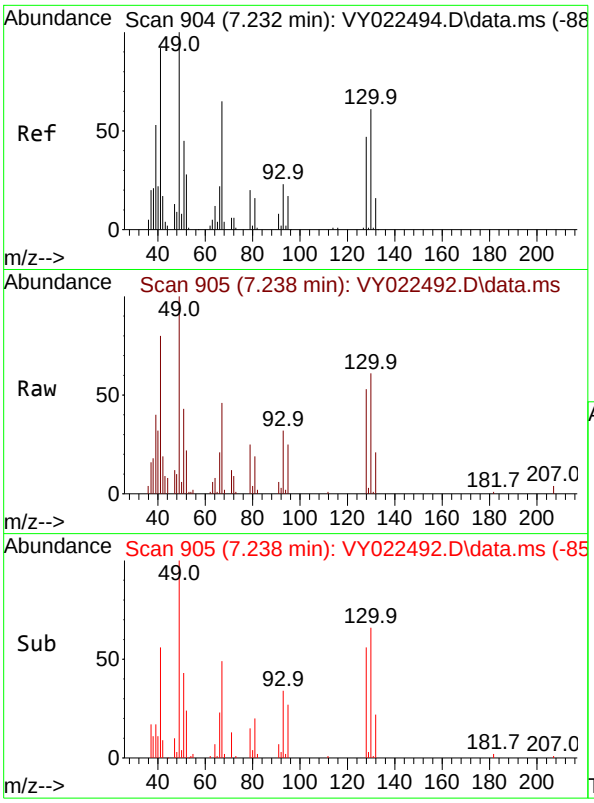


#40
Benzene
Concen: 10.600 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 78 Resp: 108934

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9

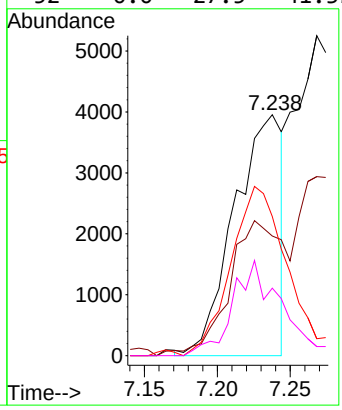




#41
Methacrylonitrile
Concen: 9.151 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 904

Ion	Ratio	Lower	Upper
41	100		
39	83.2	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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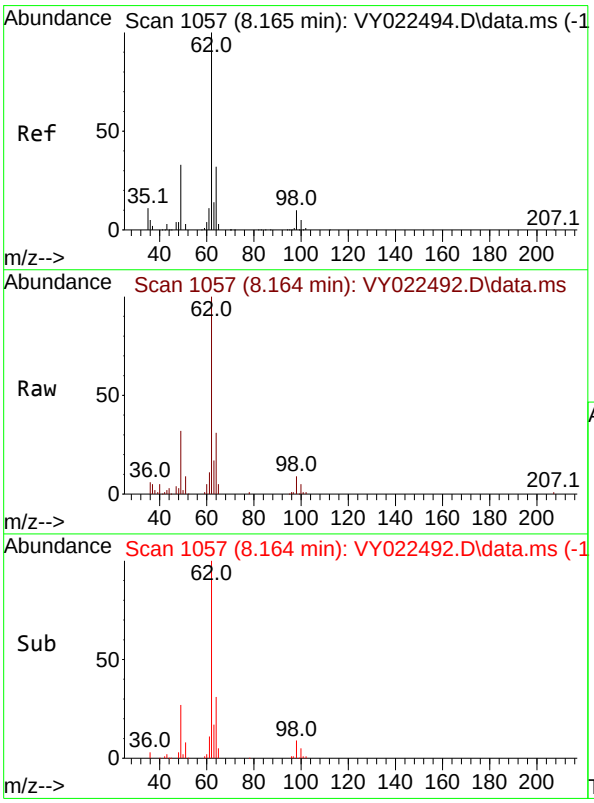
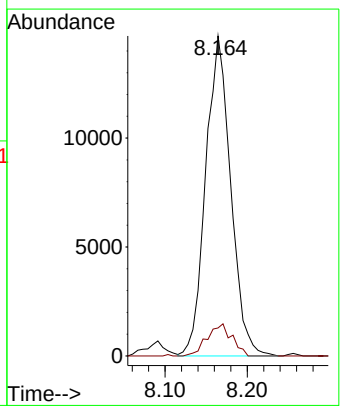
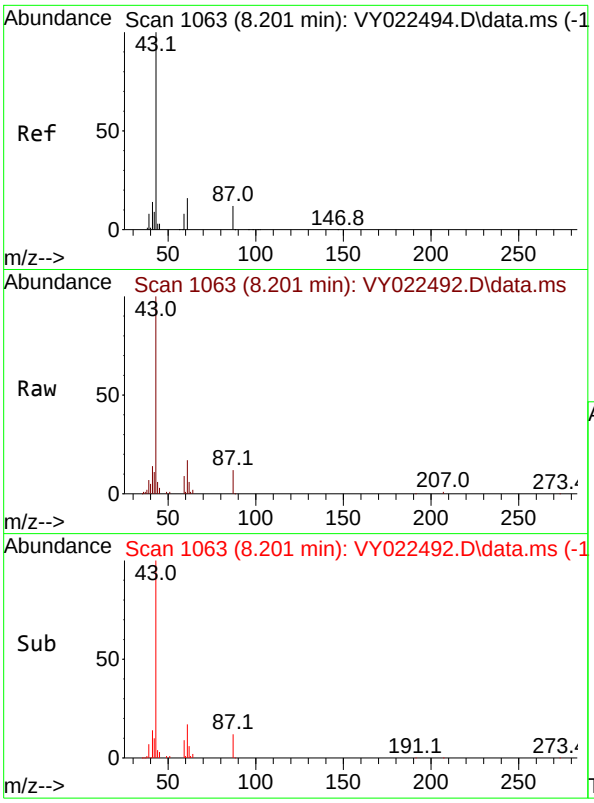


#42
1,2-Dichloroethane
Concen: 11.125 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 31102

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2

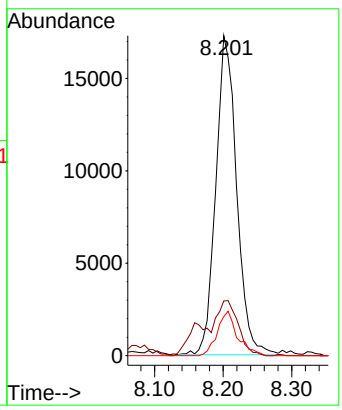




#43
Isopropyl Acetate
Concen: 10.859 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 3641

Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.6	23.4
87	13.4	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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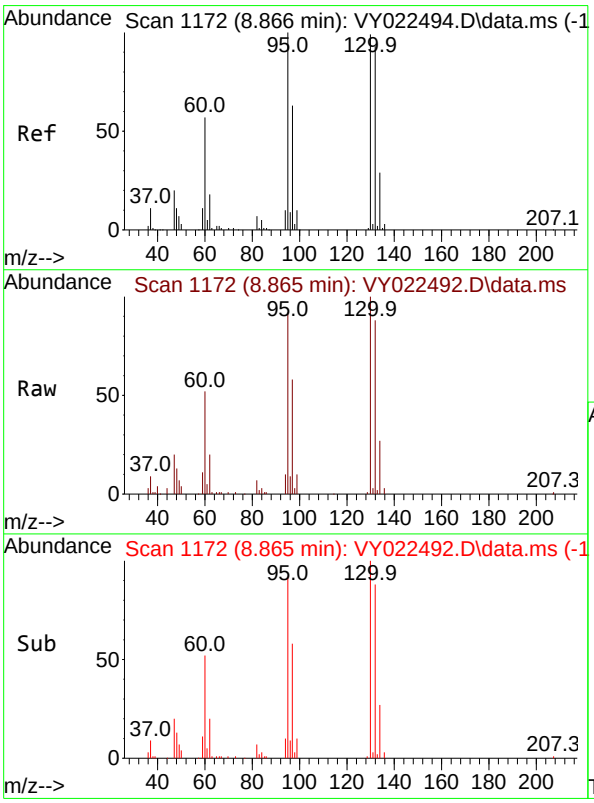
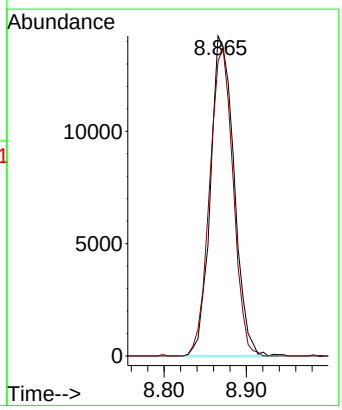
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

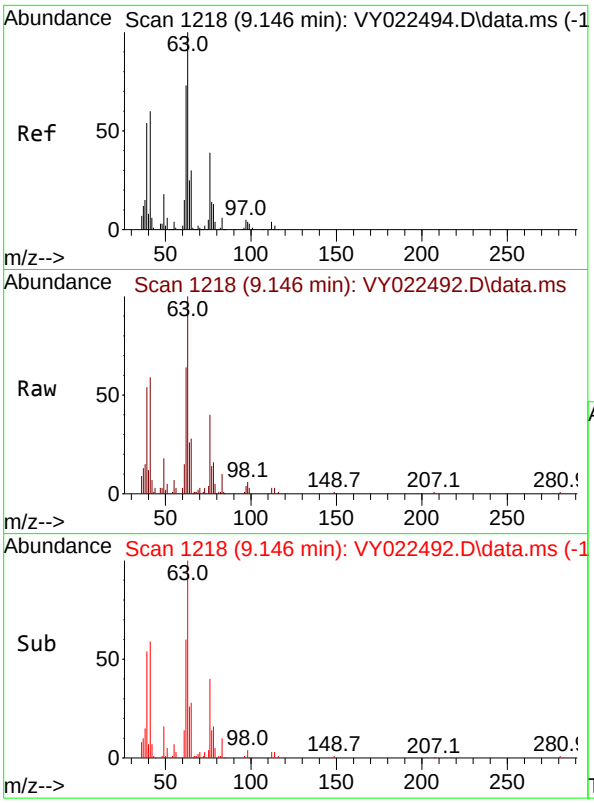


#44
Trichloroethene
Concen: 11.325 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:130 Resp: 28431

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	203.0

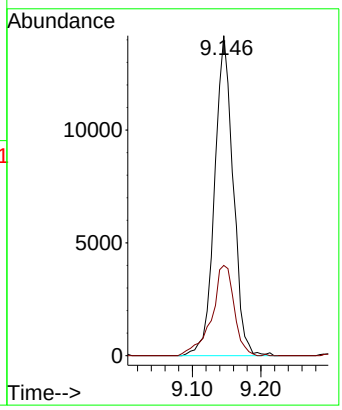




#45
1,2-Dichloropropane
Concen: 10.884 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 2666

Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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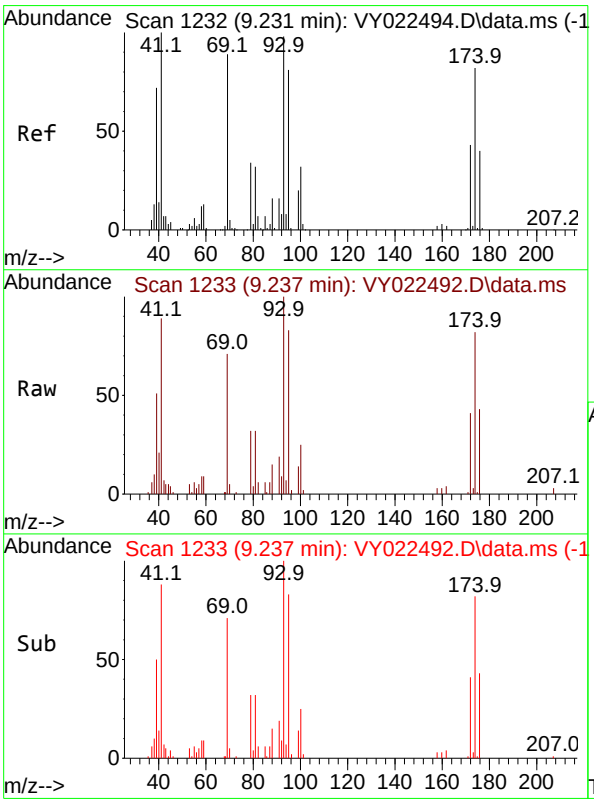
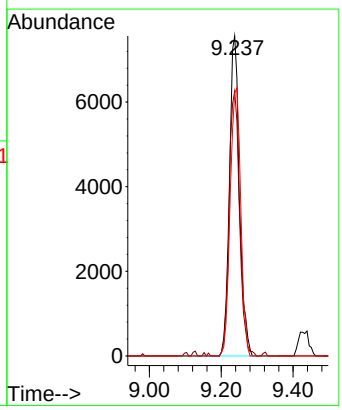
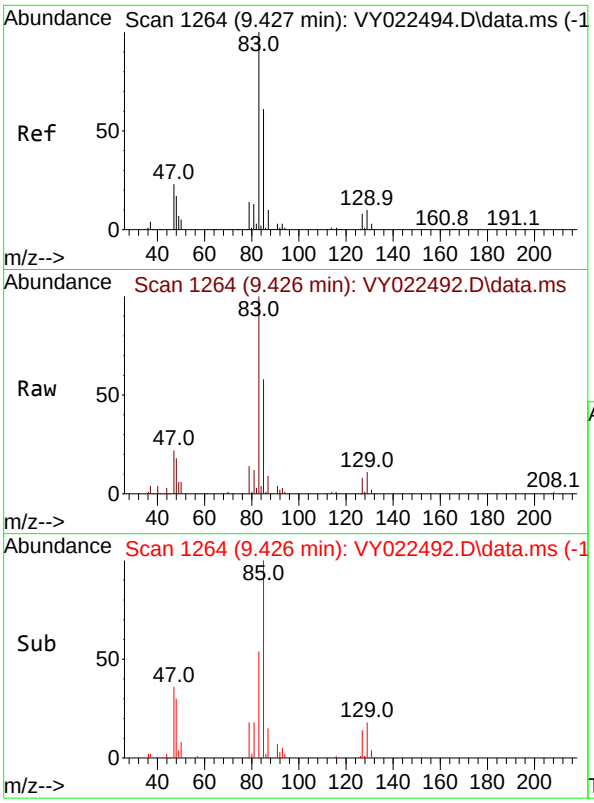


#46
Dibromomethane
Concen: 10.637 ug/l m
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 93 Resp: 14601

Ion	Ratio	Lower	Upper
93	100		
95	0.0	65.6	98.4#
174	0.0	70.4	105.6#

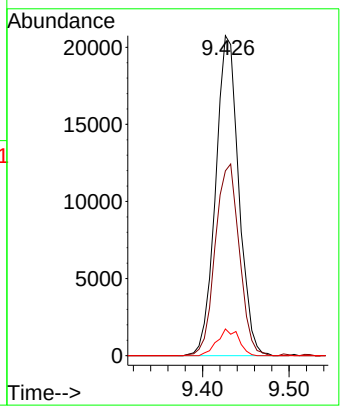




#47
Bromodichloromethane
Concen: 11.048 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 3847

Ion	Ratio	Lower	Upper
83	100		
85	57.8	49.1	73.7
127	8.4	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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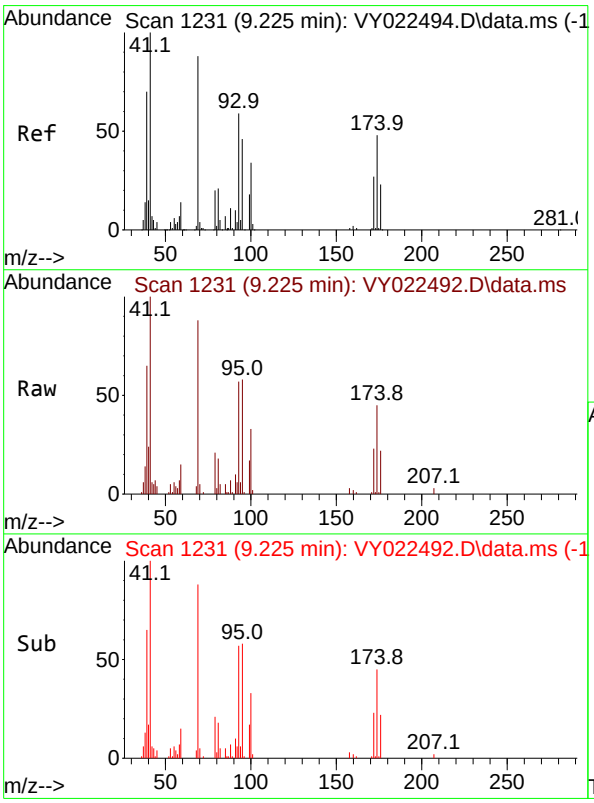
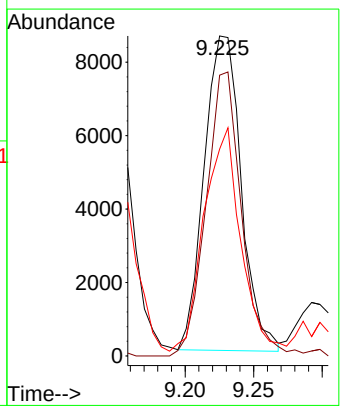
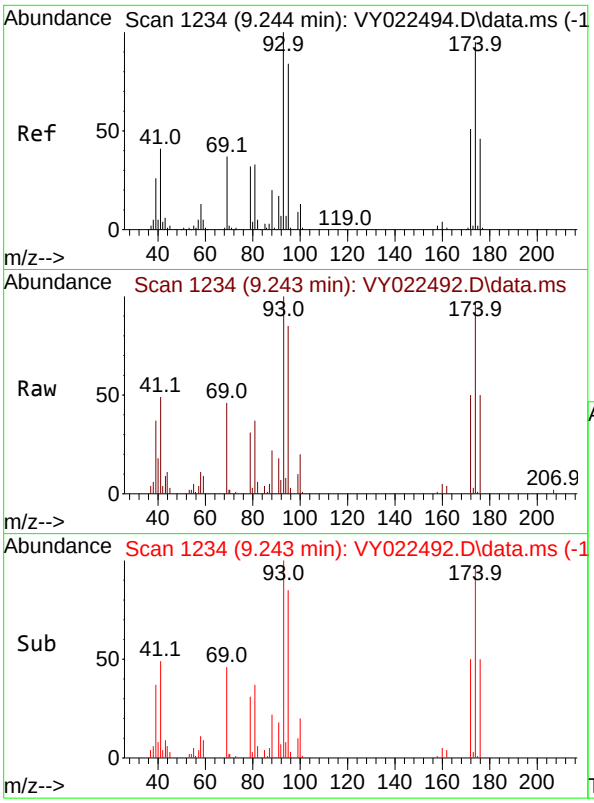


#48
Methyl methacrylate
Concen: 10.501 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 16122

Ion	Ratio	Lower	Upper
41	100		
69	86.6	67.8	101.8
39	70.2	55.0	82.4

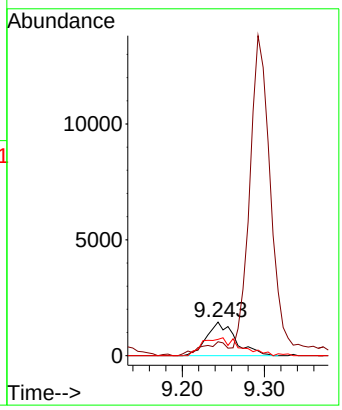




#49
1,4-Dioxane
Concen: 215.881 ug/l
RT: 9.243 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 88 Resp: 353

Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.4	38.2
58	69.8	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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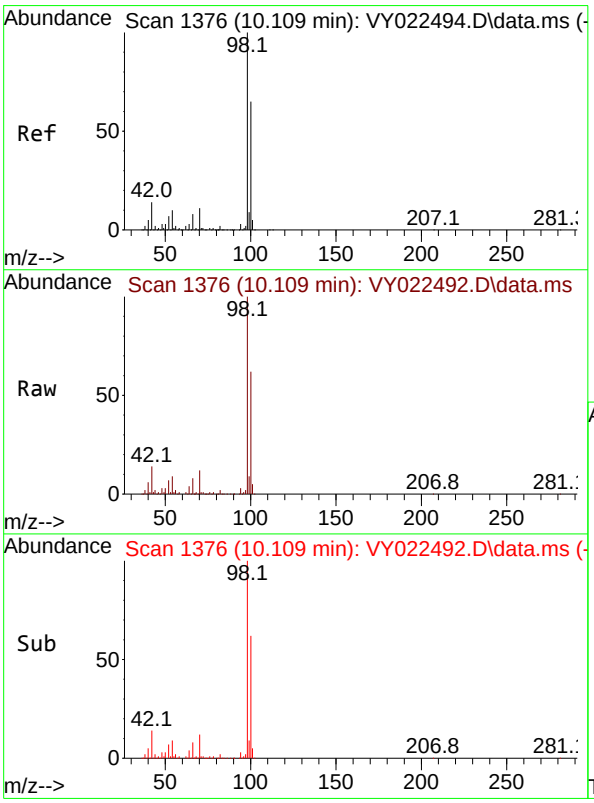
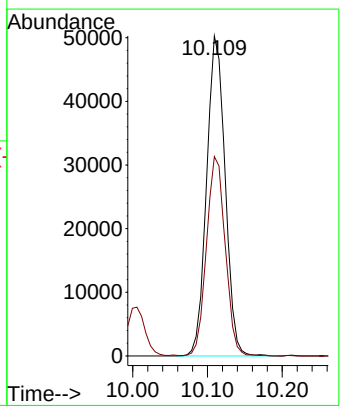
Supervised By :Mahesh Dadoda 06/03/2025

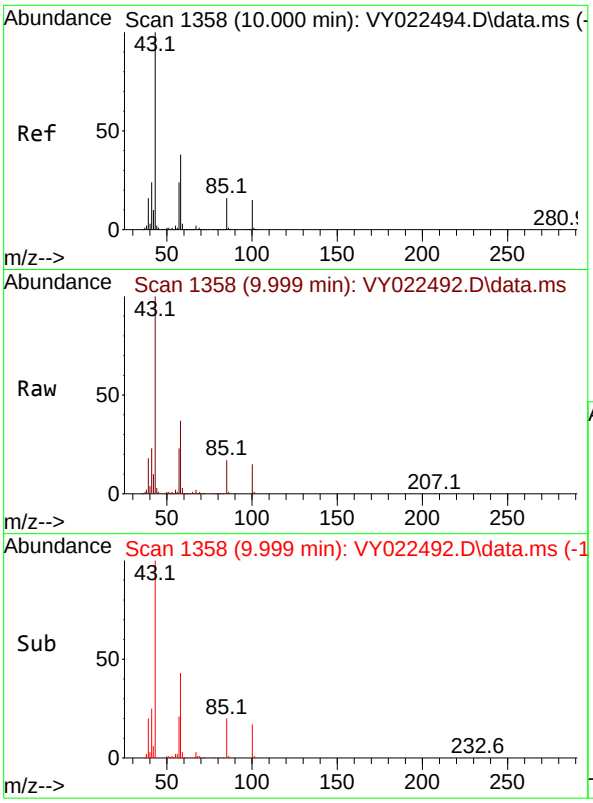


#50
Toluene-d8
Concen: 9.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 98 Resp: 86561

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.0

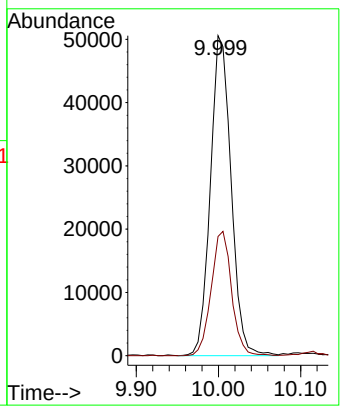




#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 8863

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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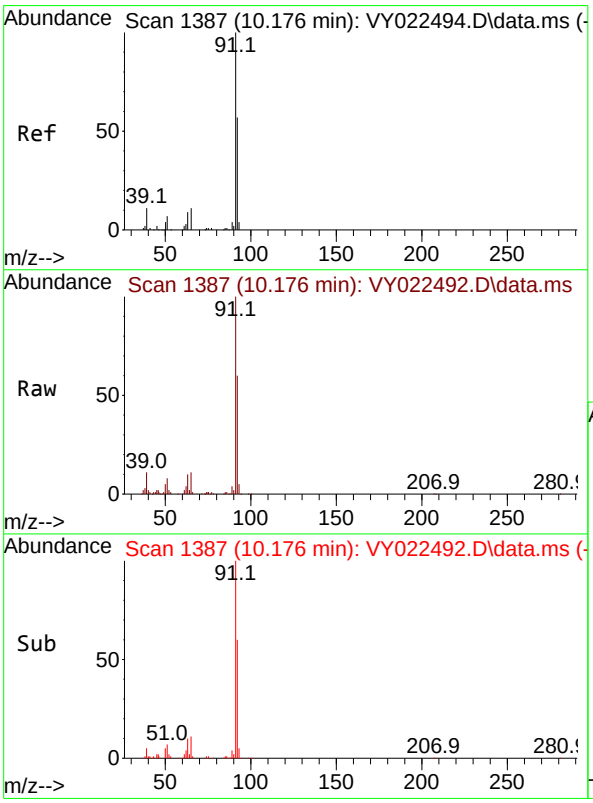
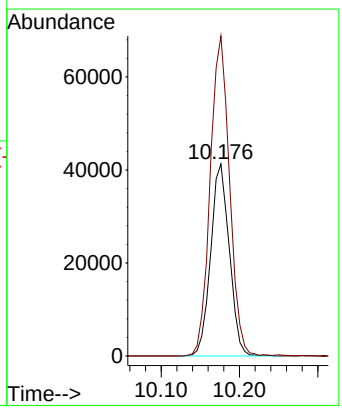
Supervised By :Mahesh Dadoda 06/03/2025

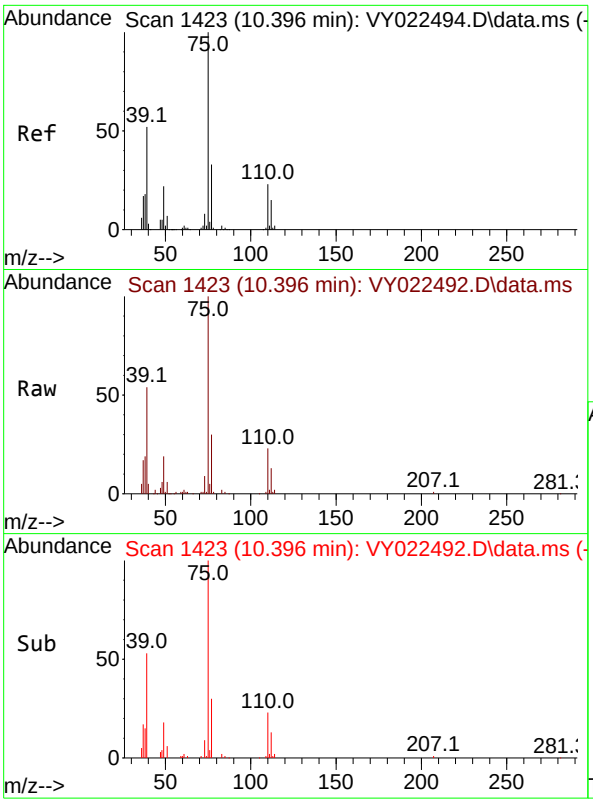


#52
Toluene
Concen: 10.565 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 92 Resp: 68265

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4

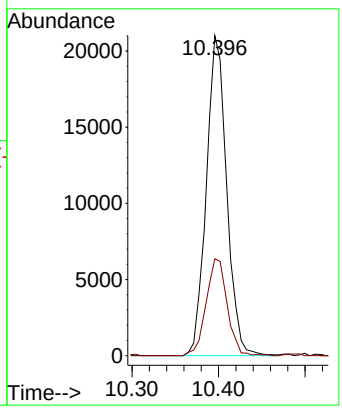




#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 3430

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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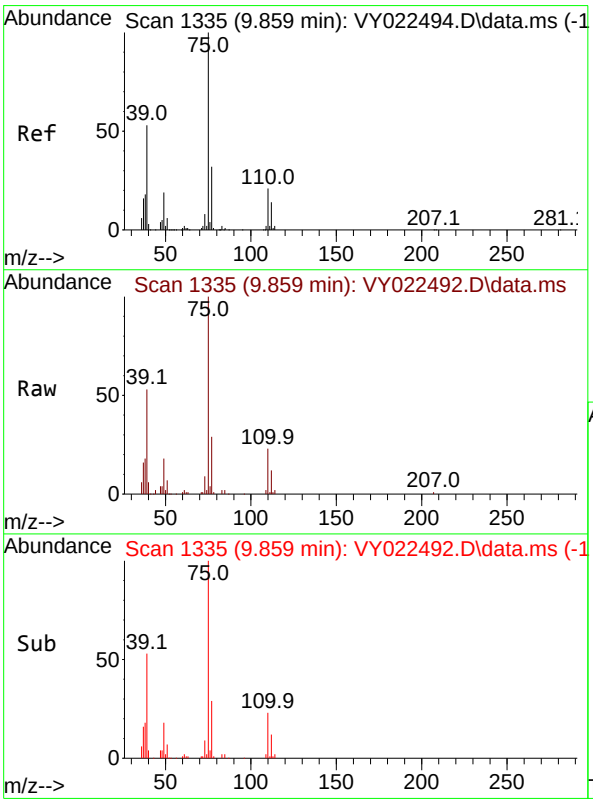
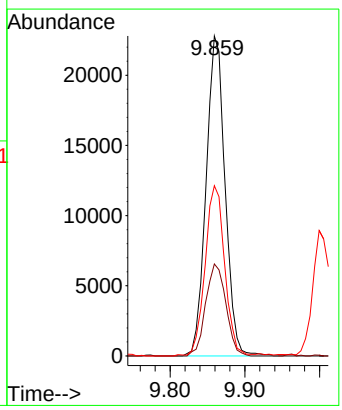
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

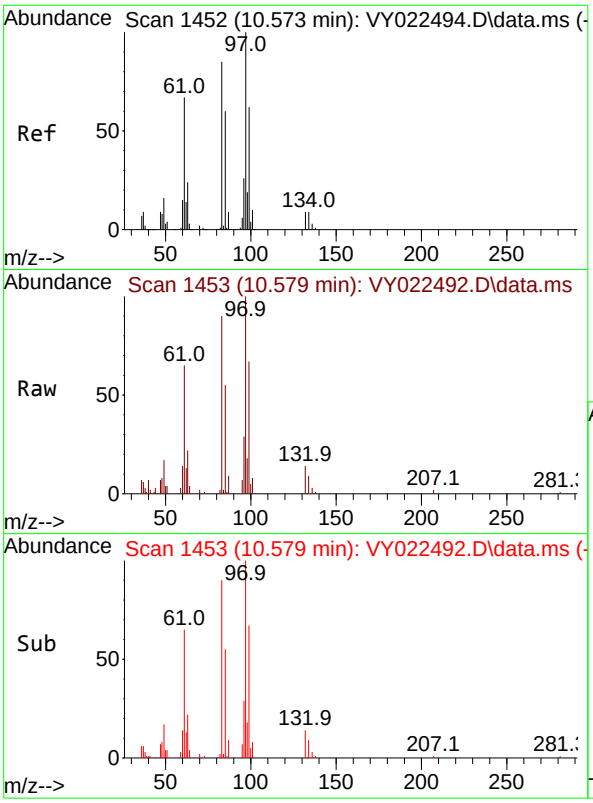


#54
cis-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 40229

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.3	37.9
39	52.8	42.7	64.1

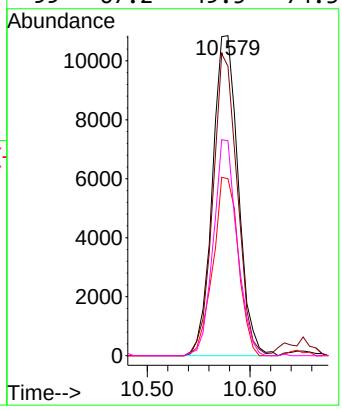




#55
1,1,2-Trichloroethane
Concen: 10.904 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 1884

Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	55.3	48.2	72.2
99	67.2	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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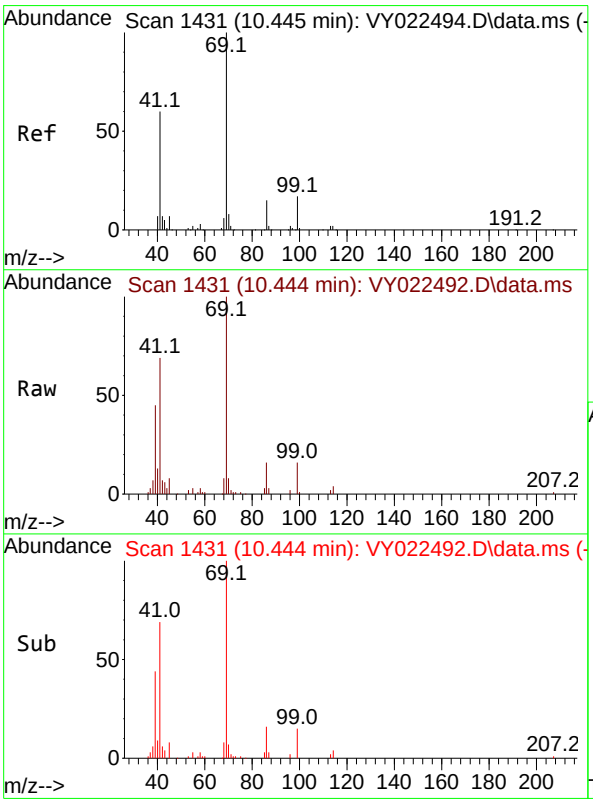
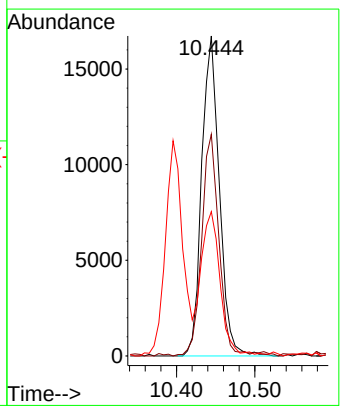
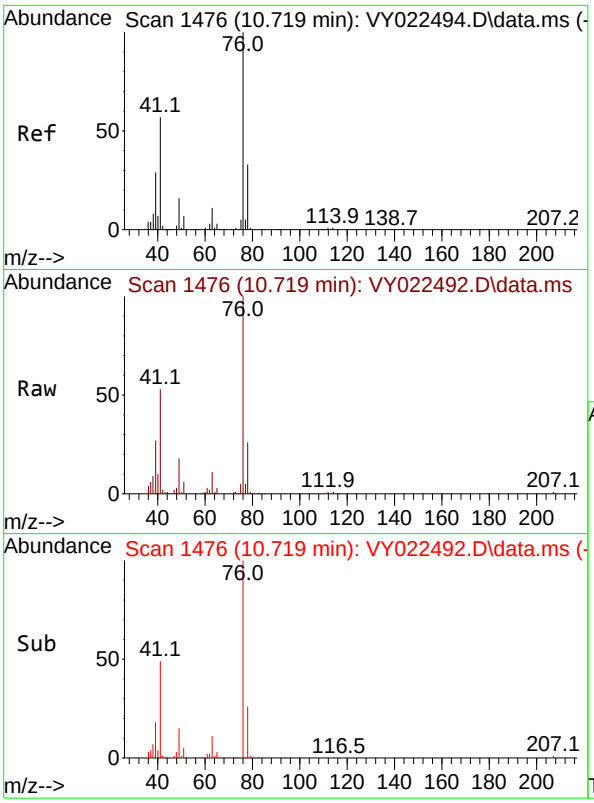


#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 69 Resp: 26171

Ion	Ratio	Lower	Upper
69	100		
41	67.3	52.2	78.2
39	47.9	36.7	55.1

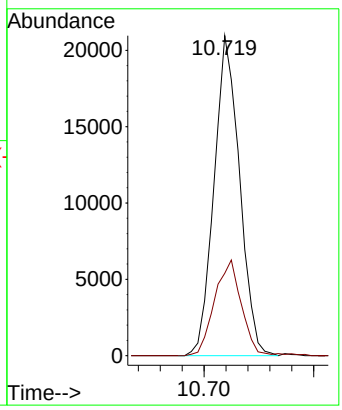




#57
1,3-Dichloropropane
Concen: 10.991 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 76 Resp: 3383(

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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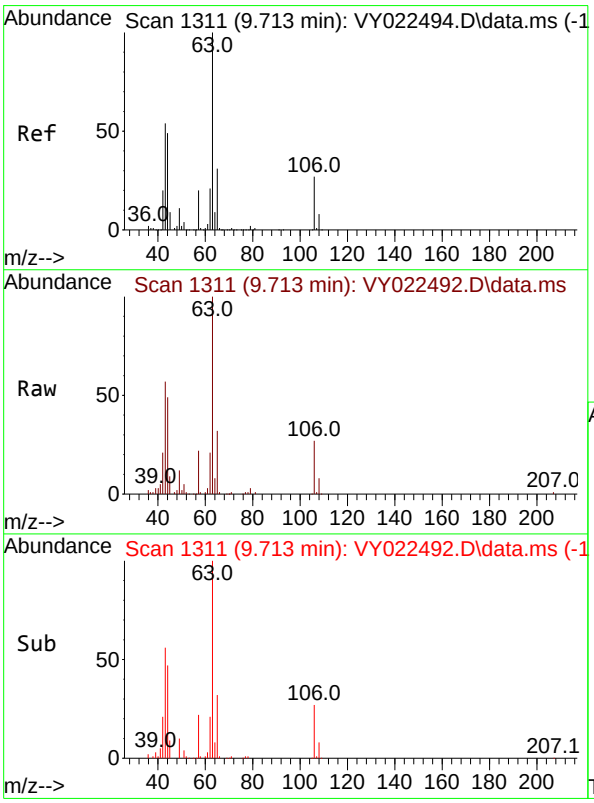
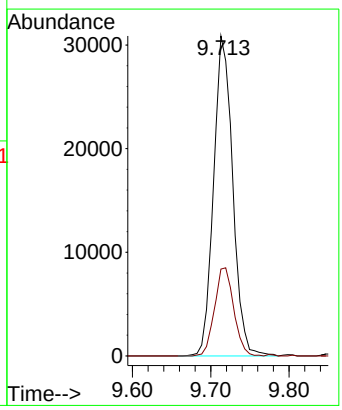
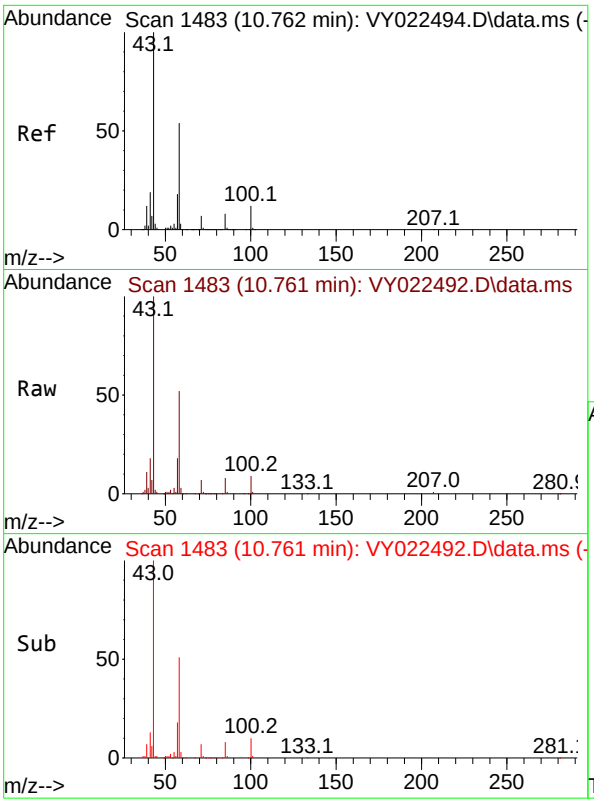


#58
2-Chloroethyl Vinyl ether
Concen: 46.819 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 52396

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4

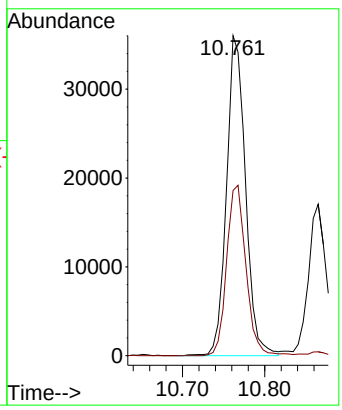




#59
2-Hexanone
Concen: 52.045 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 5773

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Semsettin Yesilyurt 06/03/2025
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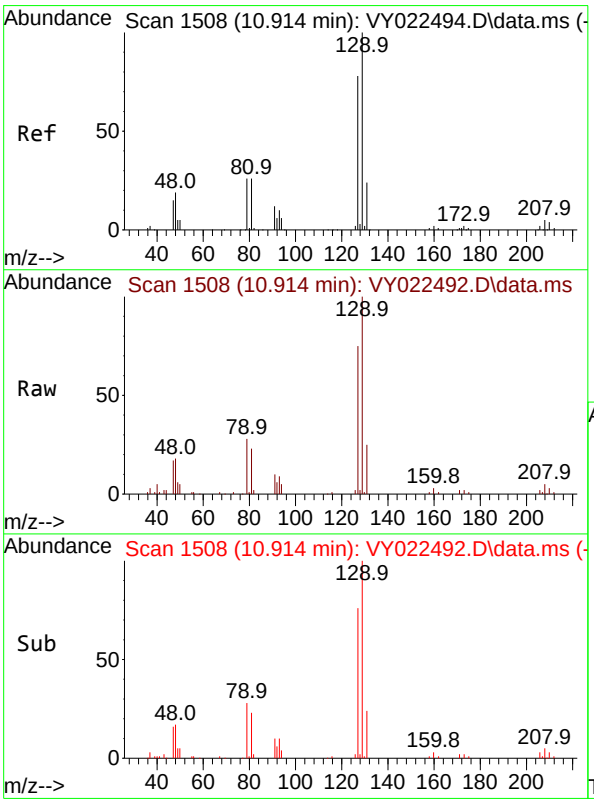
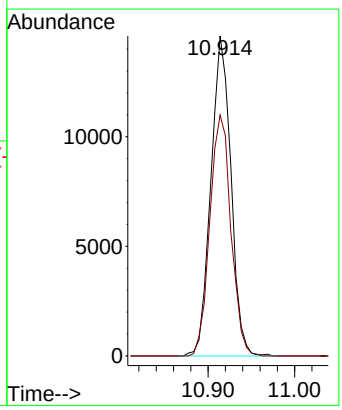
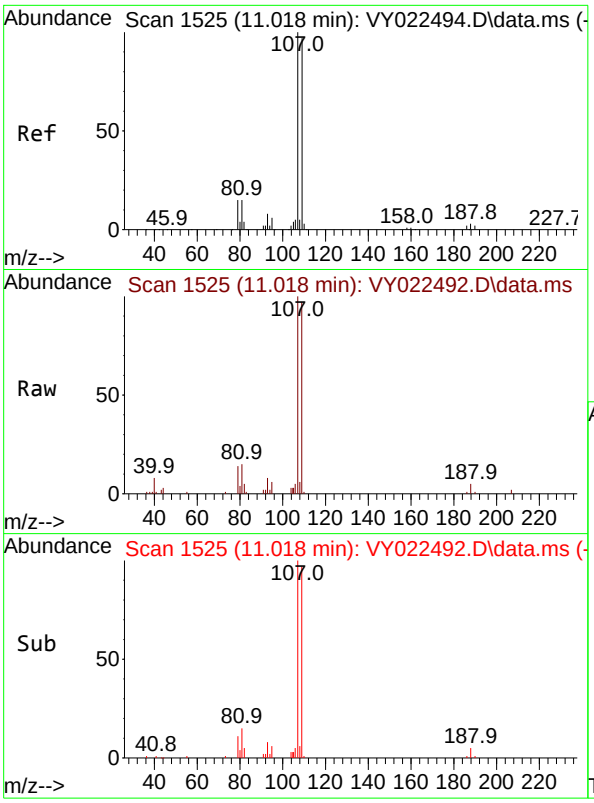


#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:129 Resp: 23423

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.1	117.2





#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:107 Resp: 1730

Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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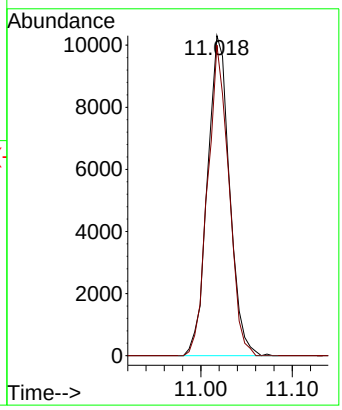
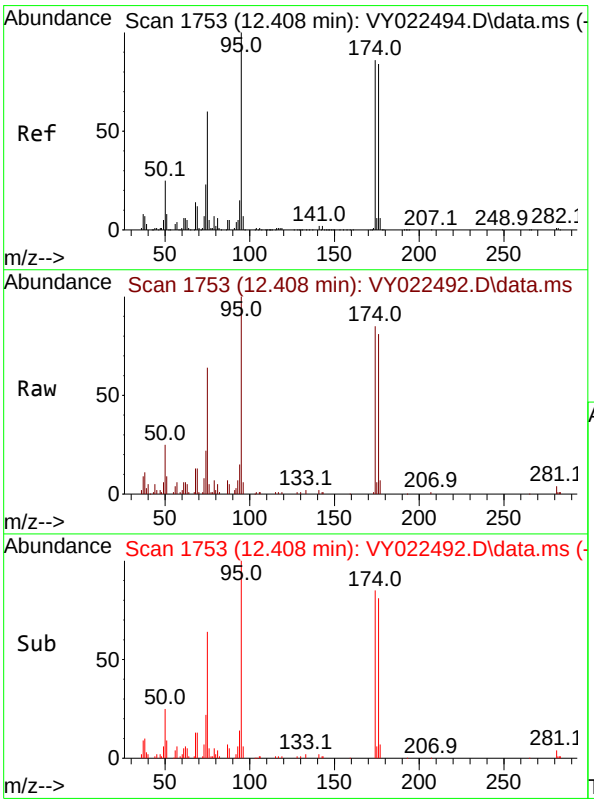
Supervised By :Mahesh Dadoda 06/03/2025

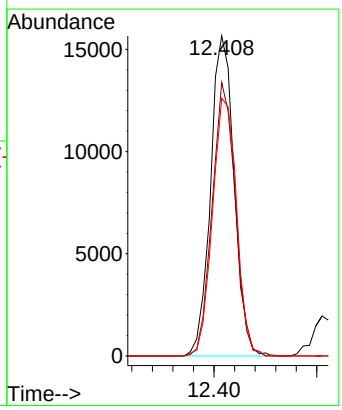


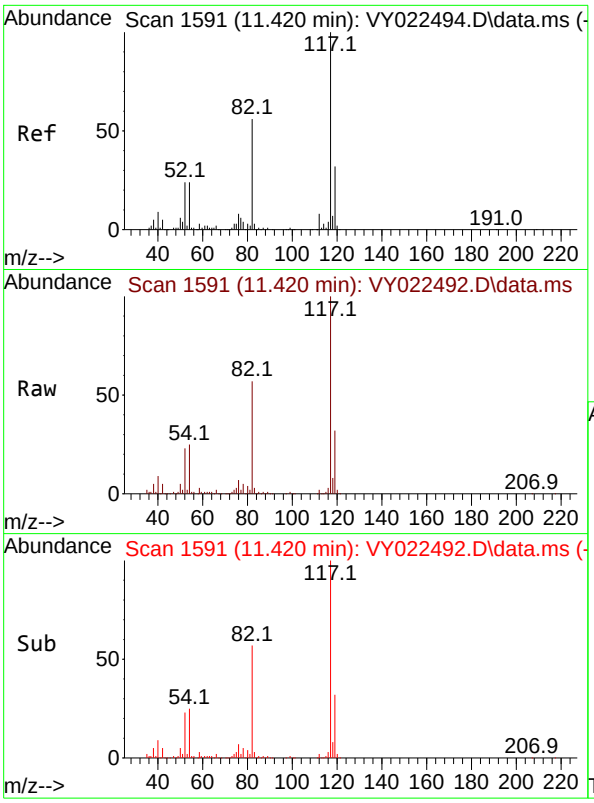


#62
4-Bromofluorobenzene
Concen: 9.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 95 Resp: 24870

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.0
176	82.2	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 30282

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	31.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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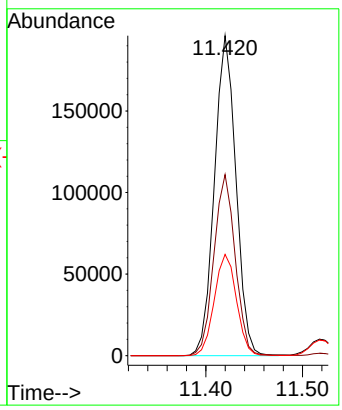
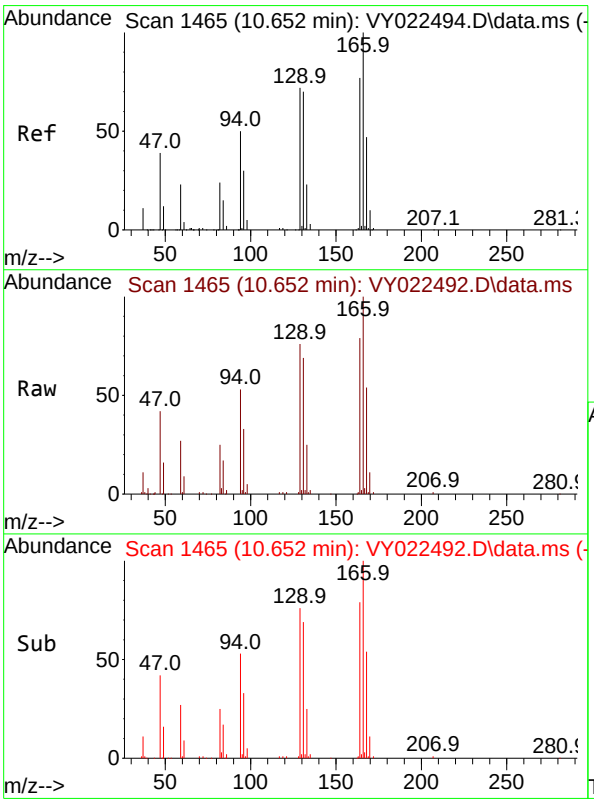
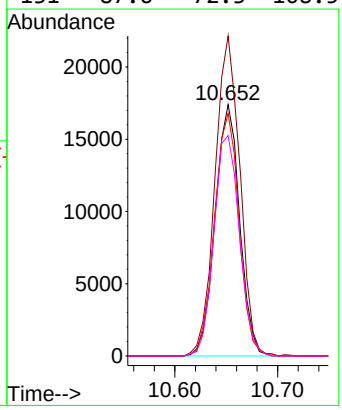


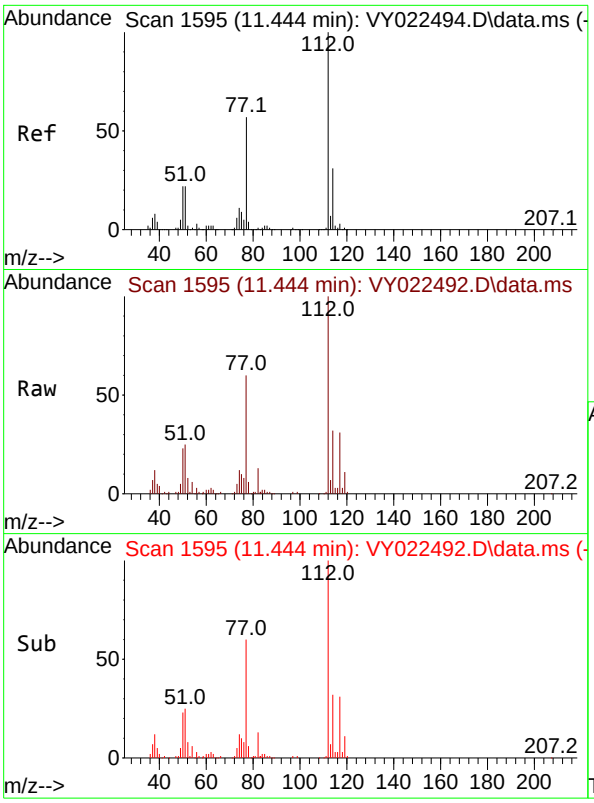


#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:164 Resp: 28680

Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.0	156.0
129	96.5	74.5	111.7
131	87.6	72.3	108.5

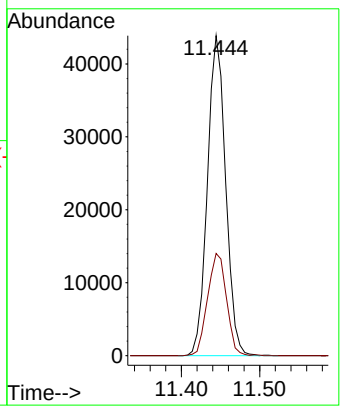




#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:112 Resp: 7084

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



Instrument :
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ClientSampleId :
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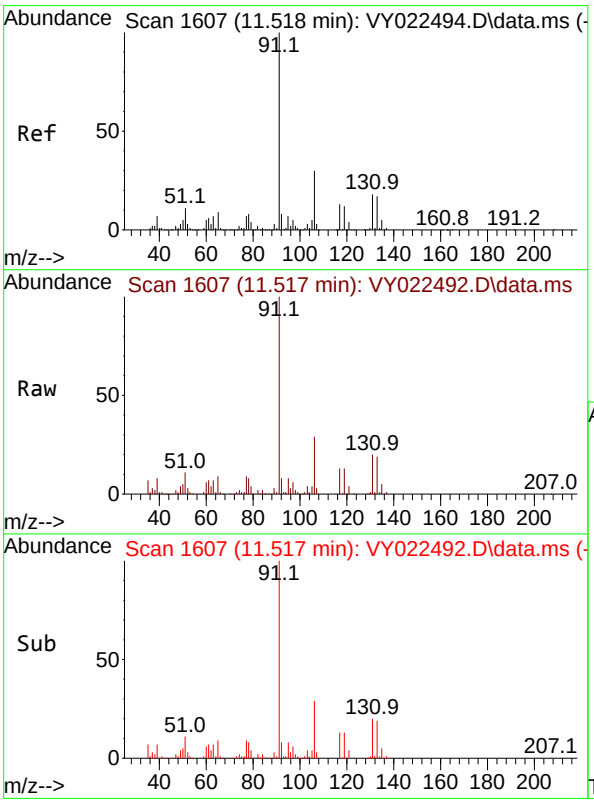
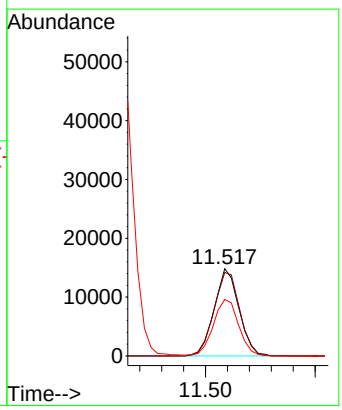
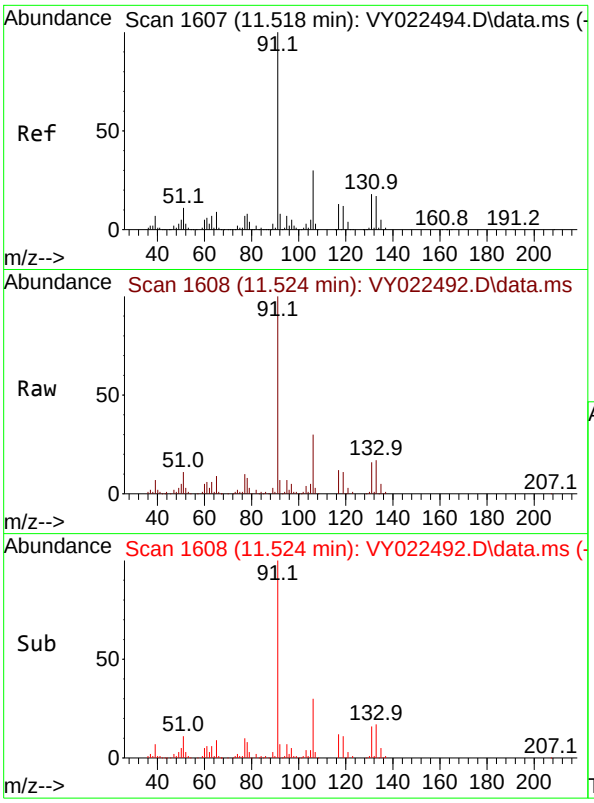


#66
1,1,1,2-Tetrachloroethane
Concen: 10.427 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:131 Resp: 23209

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.3	141.8
119	66.5	33.1	99.3

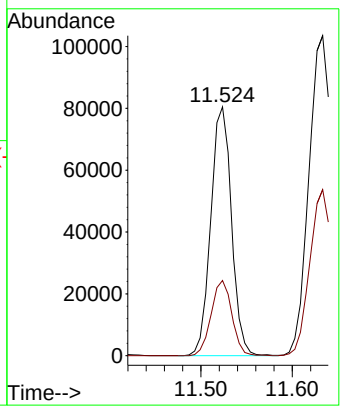




#67
Ethyl Benzene
Concen: 10.350 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 12655

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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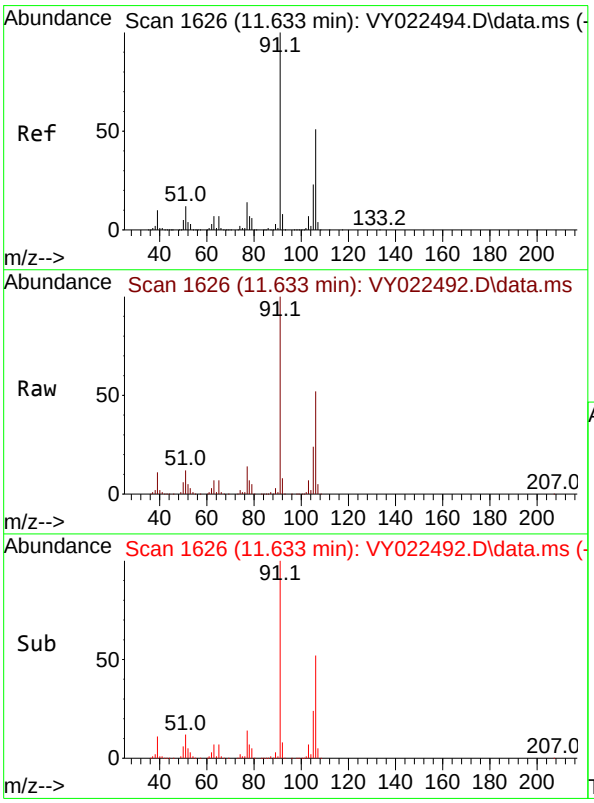
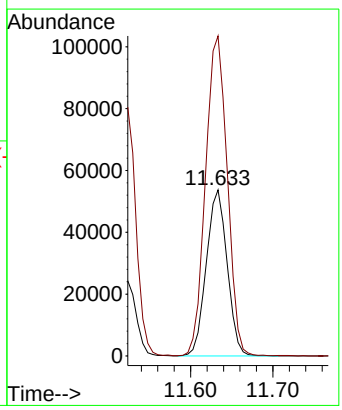
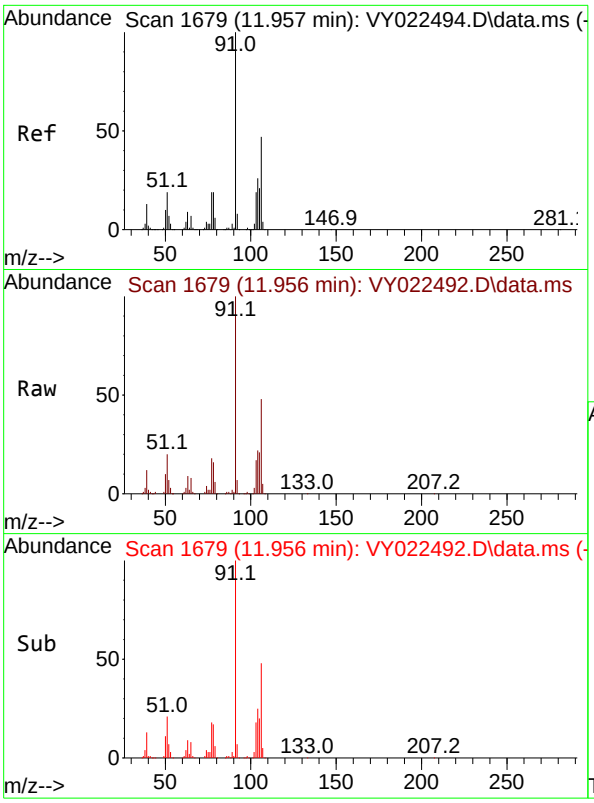


#68
m/p-Xylenes
Concen: 20.427 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 94535

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0





#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 4537

Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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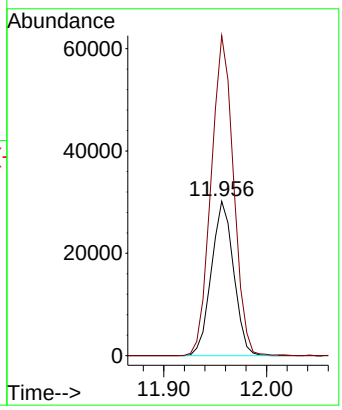
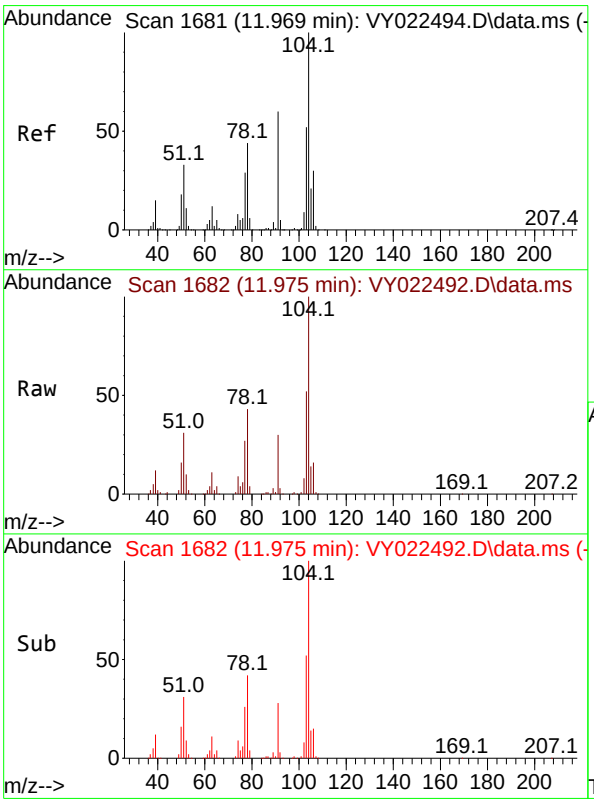
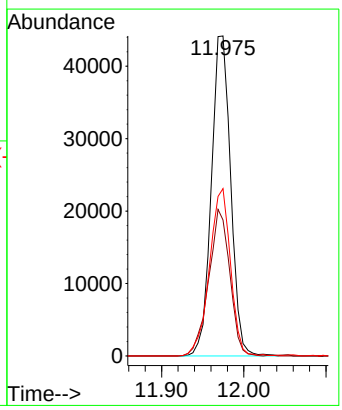


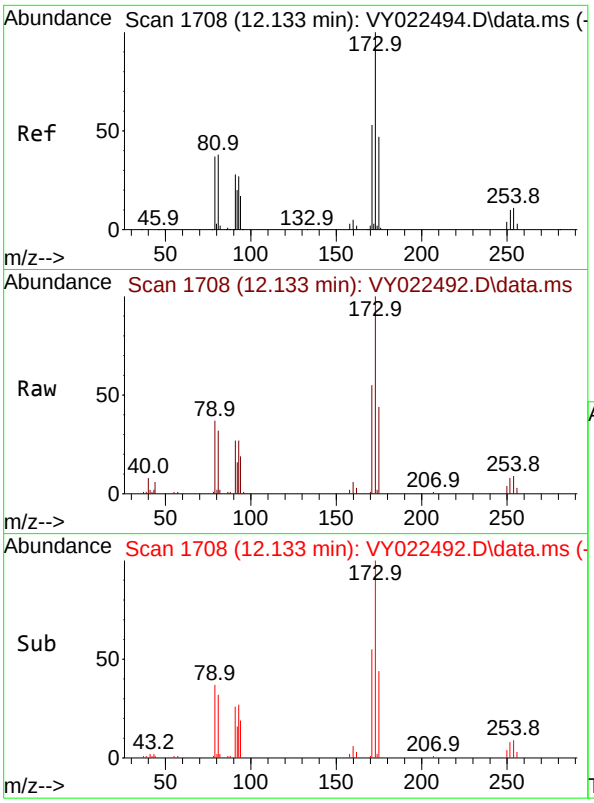


#70
Styrene
Concen: 10.092 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:104 Resp: 72373

Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.5	59.3
103	56.9	44.1	66.1

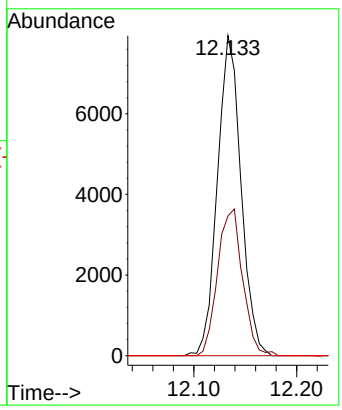




#71
Bromoform
Concen: 10.804 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:173 Resp: 1263

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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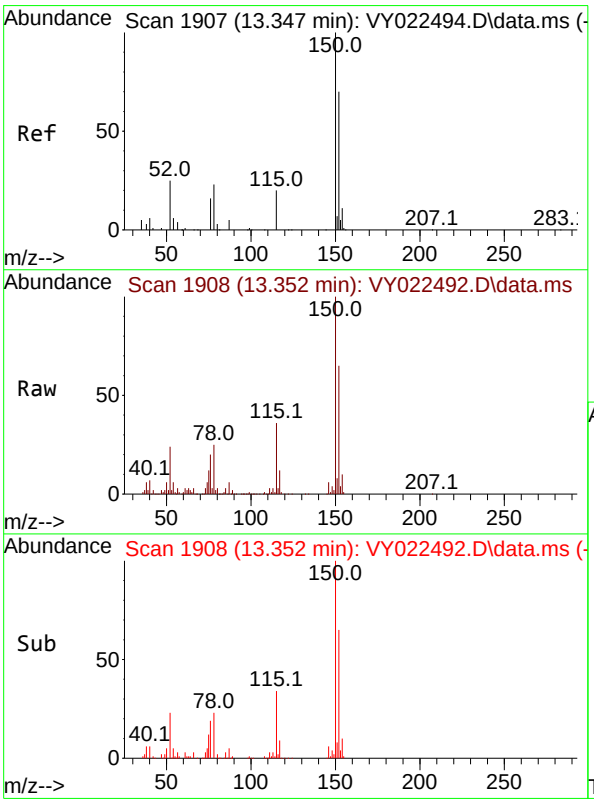
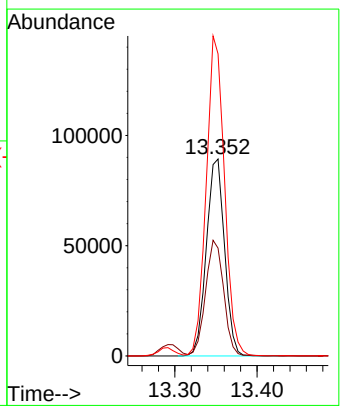
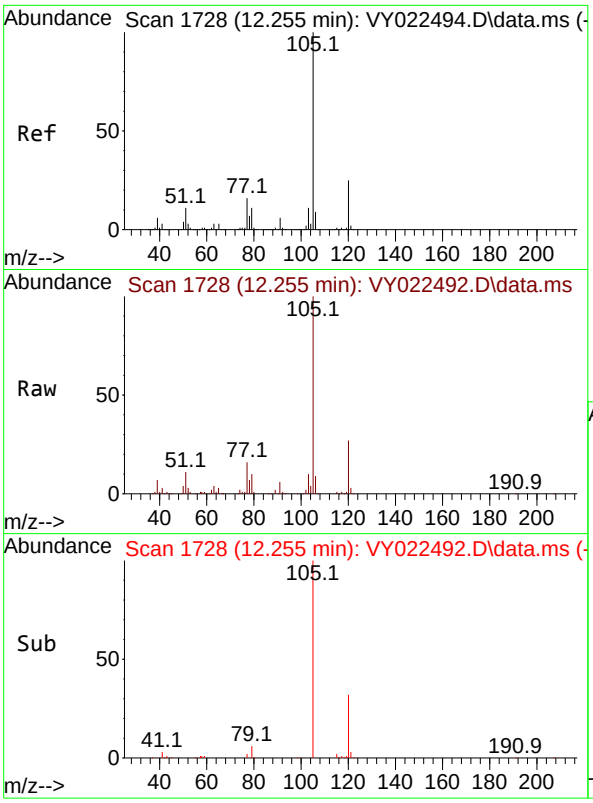


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:152 Resp: 137338

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	162.7	0.0	349.6

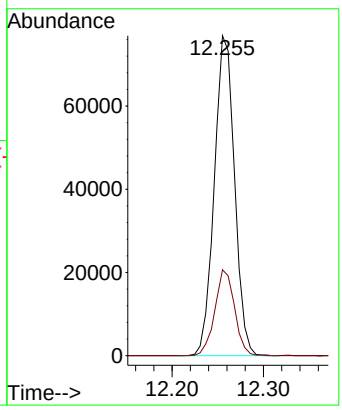




#73
Isopropylbenzene
Concen: 10.695 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 11834

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



Instrument :
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ClientSampleId :
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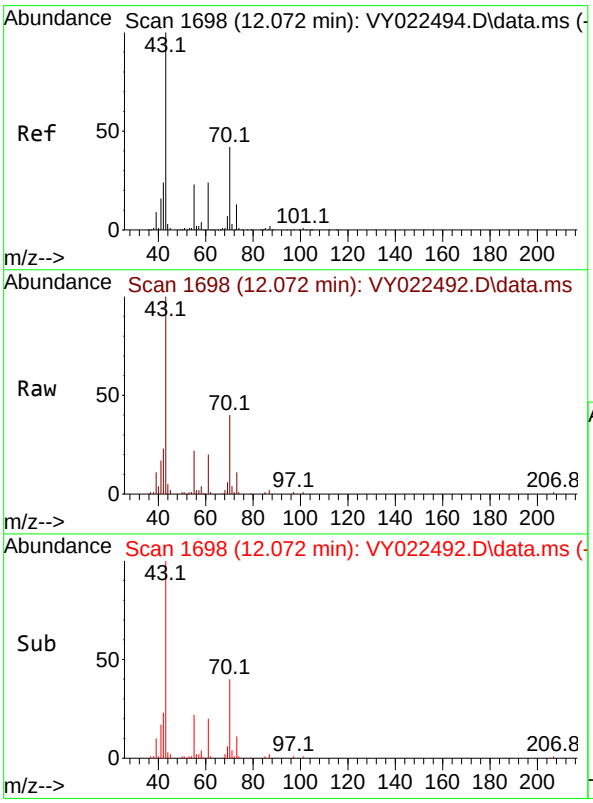
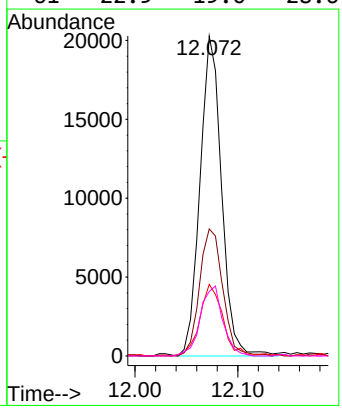
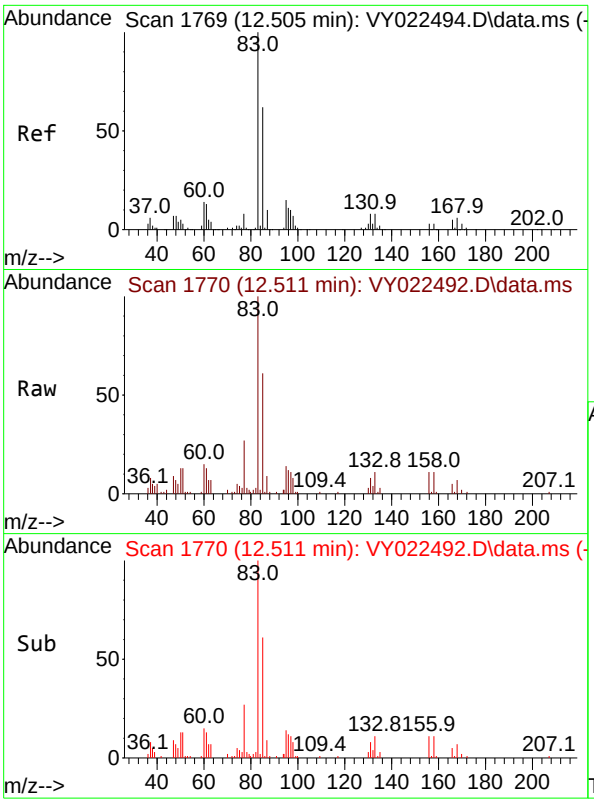


#74
N-amyl acetate
Concen: 10.581 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 29609

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	23.8	18.2	27.4
61	22.9	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 11.276 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 2026

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	62.2	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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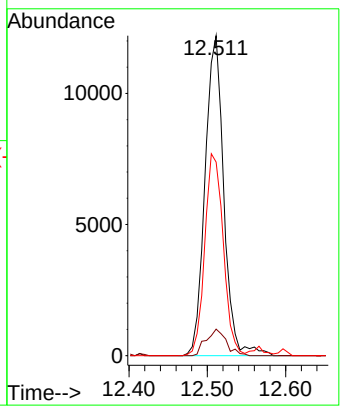
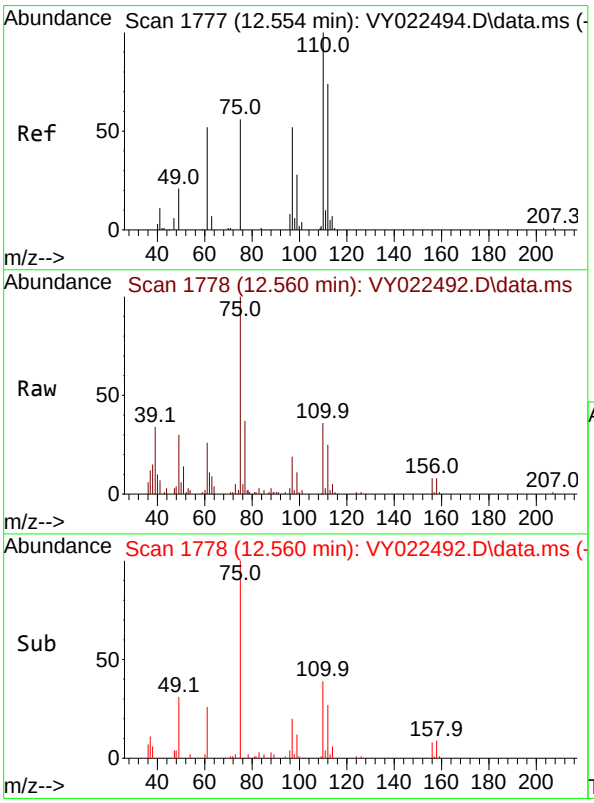
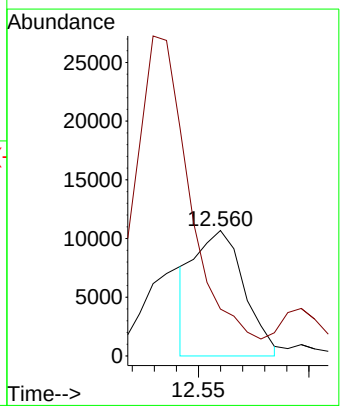


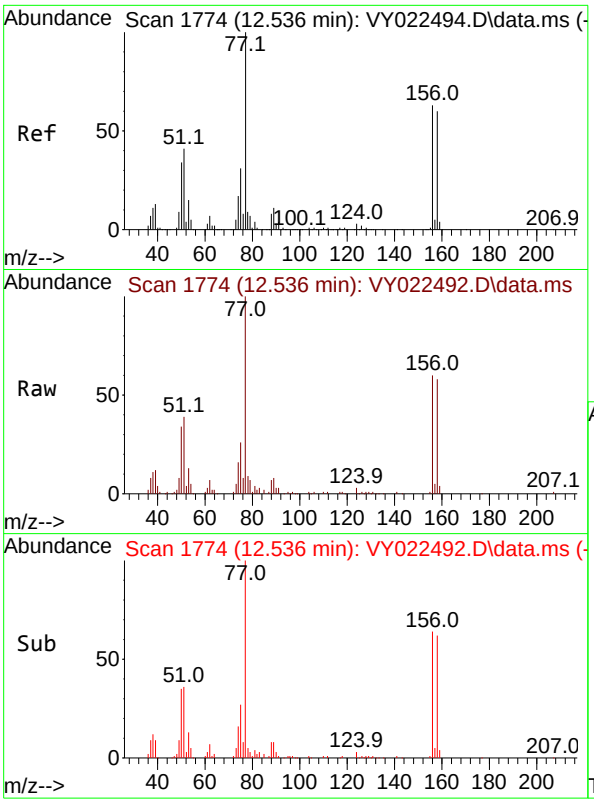


#76
1,2,3-Trichloropropane
Concen: 9.239 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 16751

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

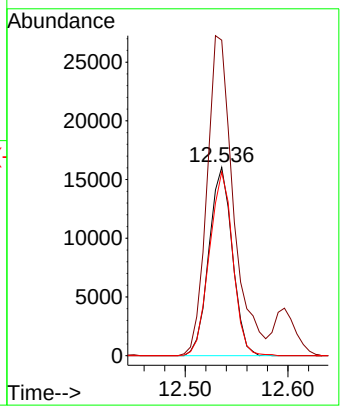




#77
Bromobenzene
Concen: 10.827 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:156 Resp: 2539

Ion	Ratio	Lower	Upper
156	100		
77	191.7	94.0	282.1
158	97.6	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
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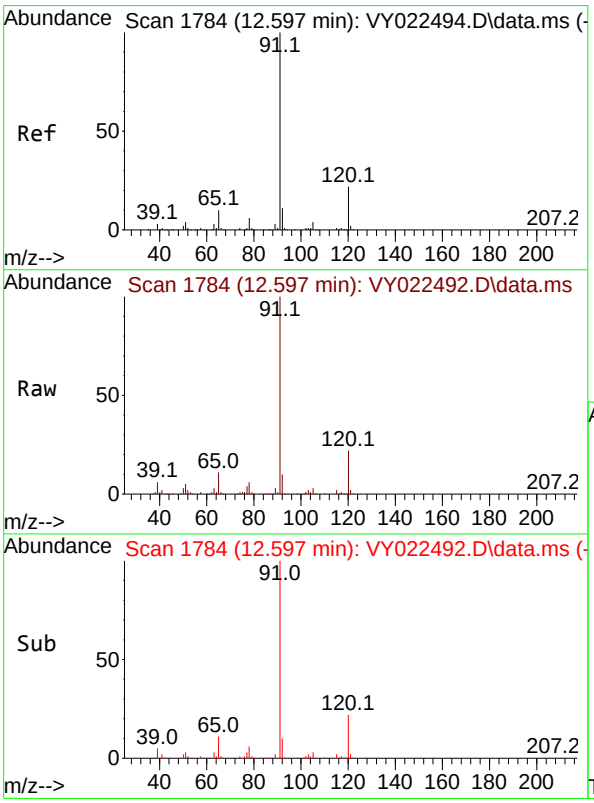
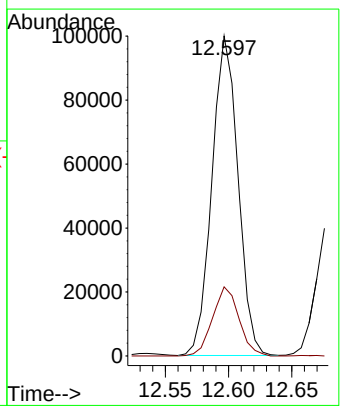
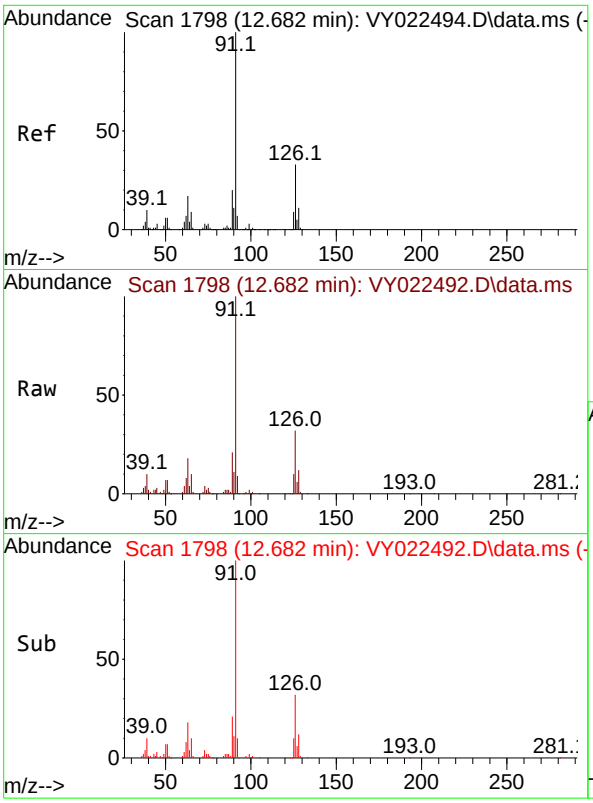


#78
n-propylbenzene
Concen: 10.648 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 143414

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

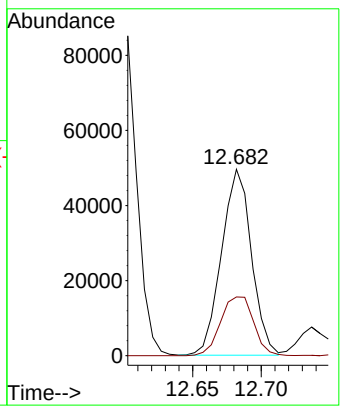




#79
2-Chlorotoluene
Concen: 10.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 7532

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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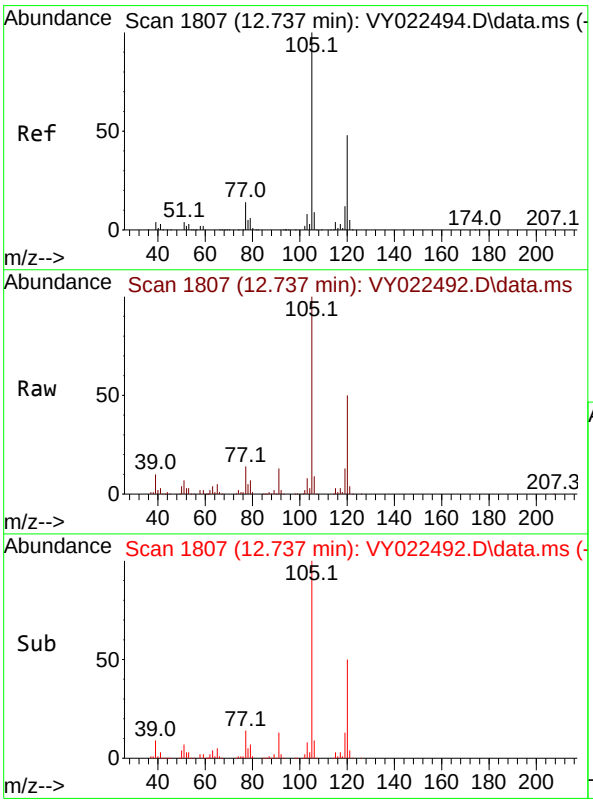
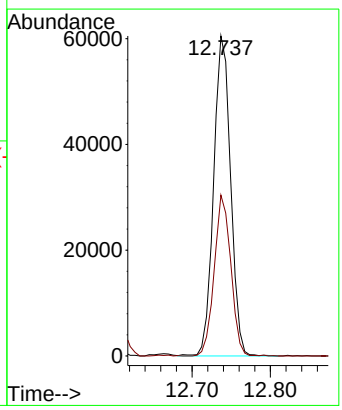
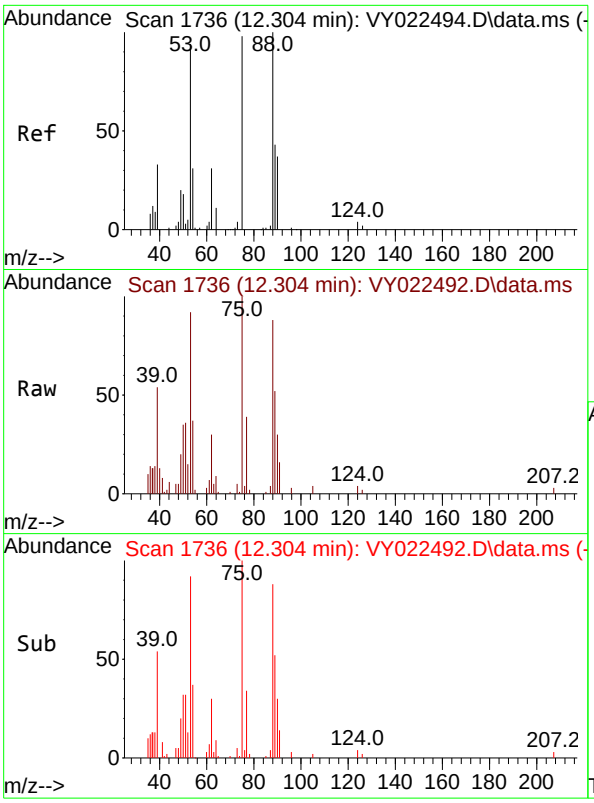


#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 91121

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

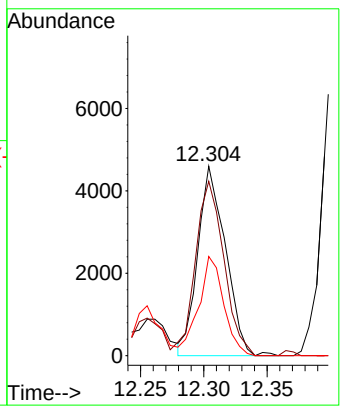
Tgt Ion: 75 Resp: 700

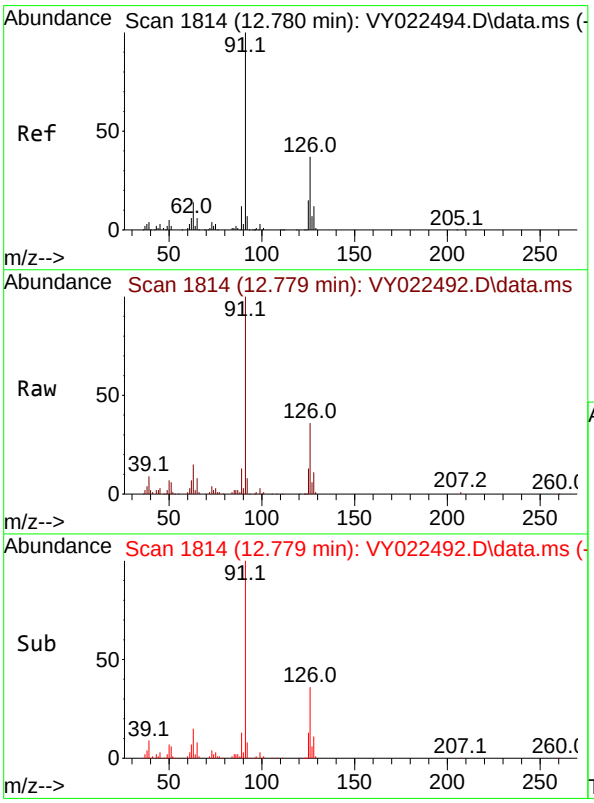
Ion	Ratio	Lower	Upper
75	100		
53	94.7	78.5	117.7
89	47.6	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

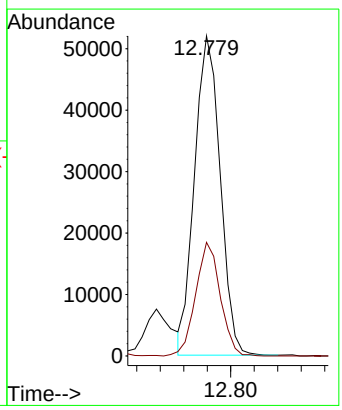


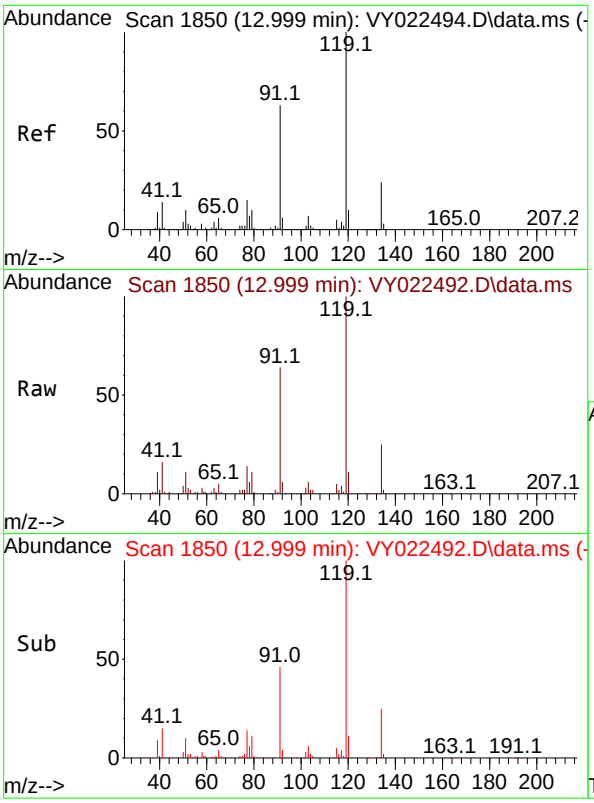


#82
4-Chlorotoluene
Concen: 10.676 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 78689

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

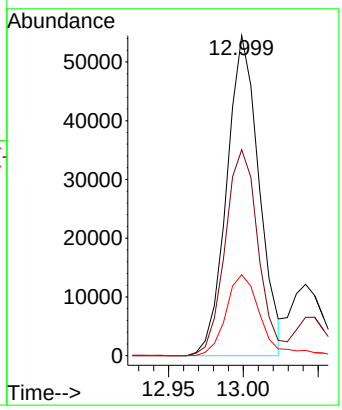




#83
tert-Butylbenzene
Concen: 10.367 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 8182

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.1	96.3
134	27.2	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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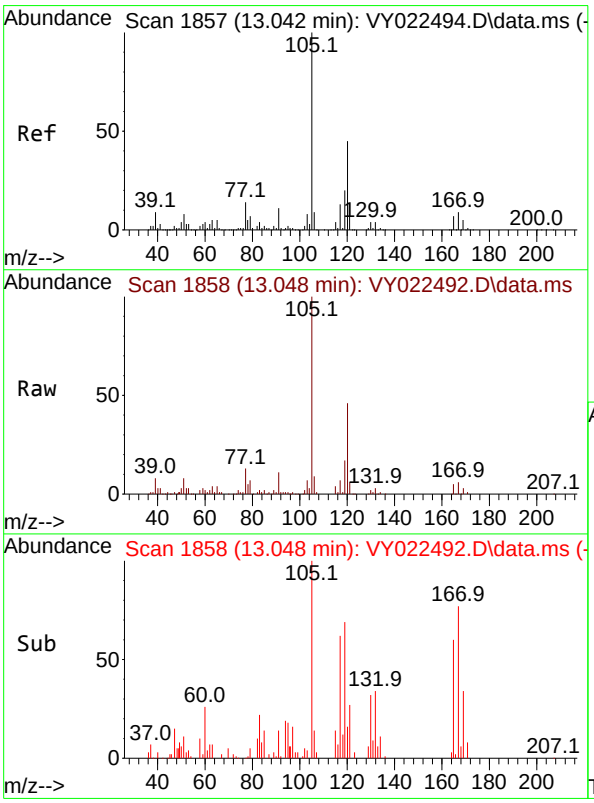
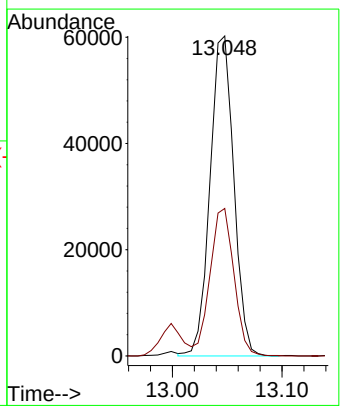
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

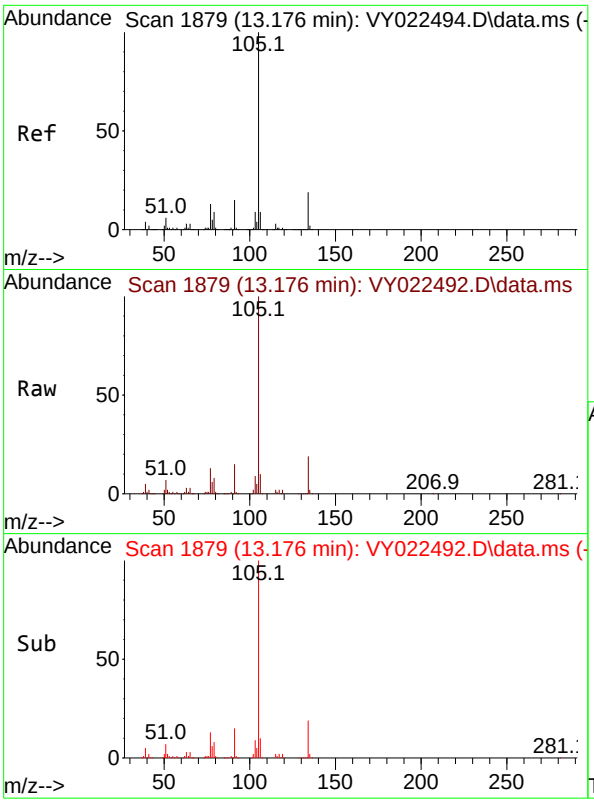


#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 90848

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1





#85
sec-Butylbenzene
Concen: 10.678 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 12777

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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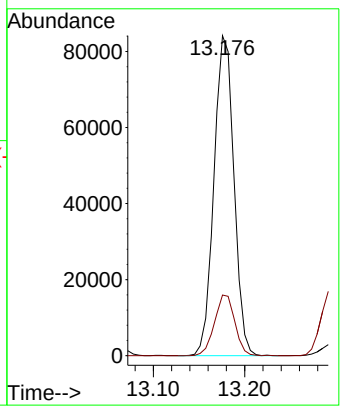
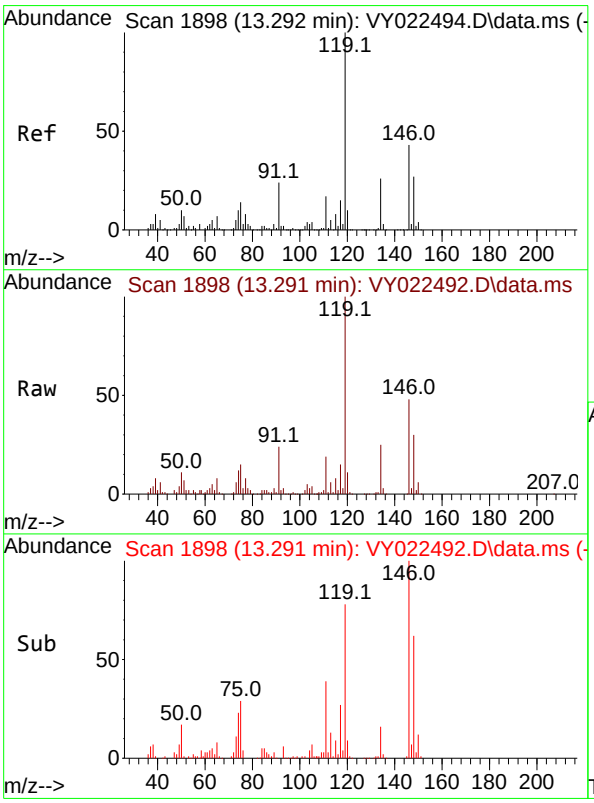
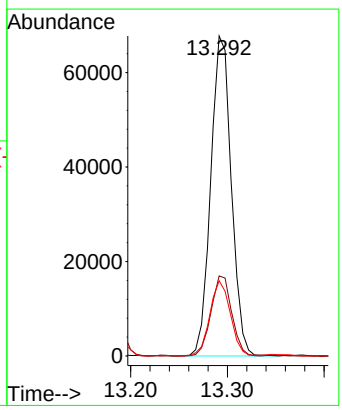


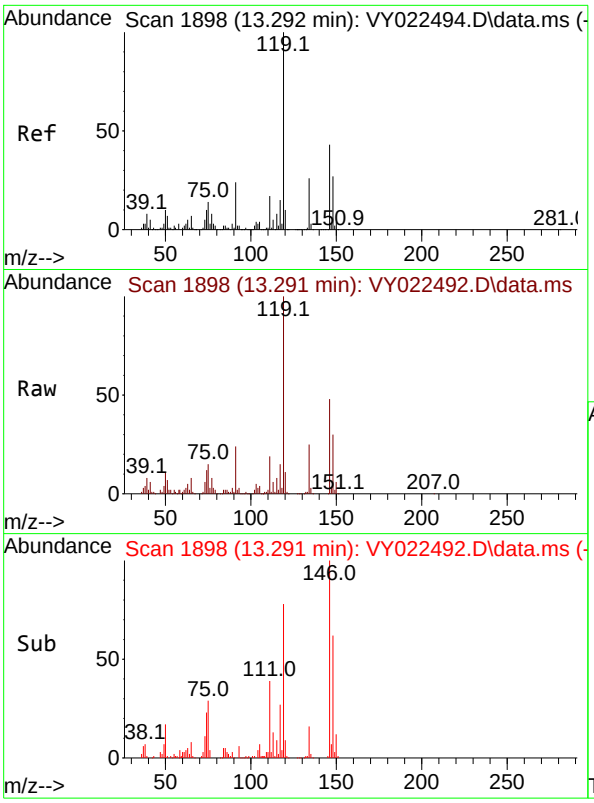


#86
p-Isopropyltoluene
Concen: 10.158 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 99940

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.1	39.1
91	23.5	11.6	34.8

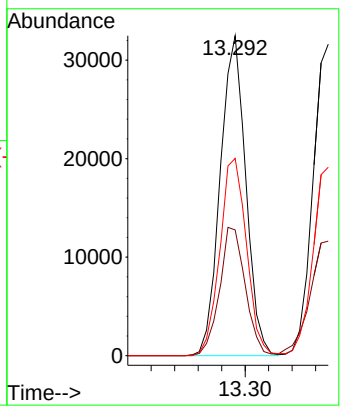




#87
1,3-Dichlorobenzene
Concen: 10.437 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 4897

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.6	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/03/2025
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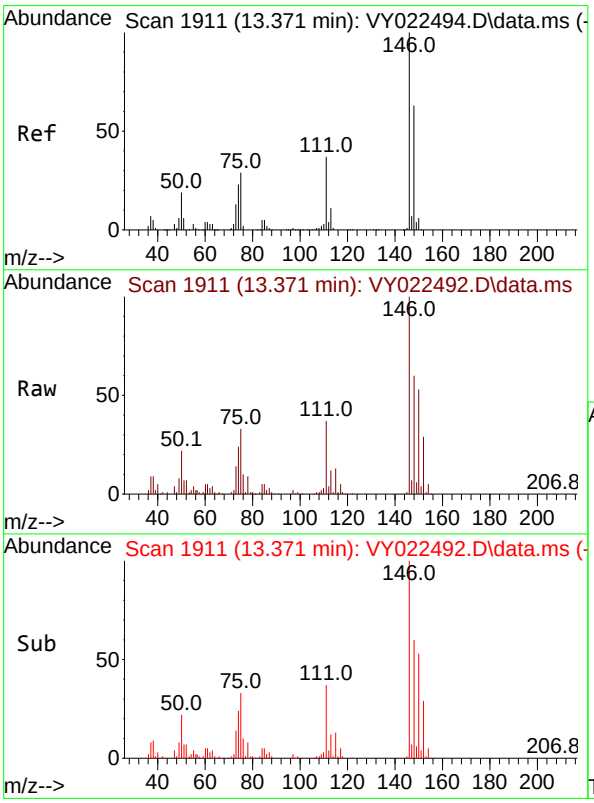
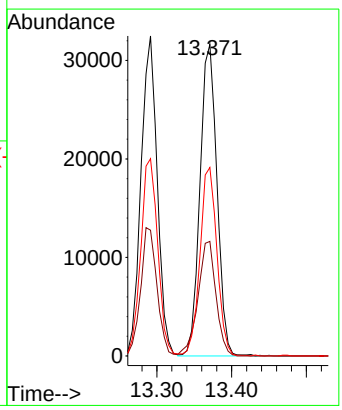
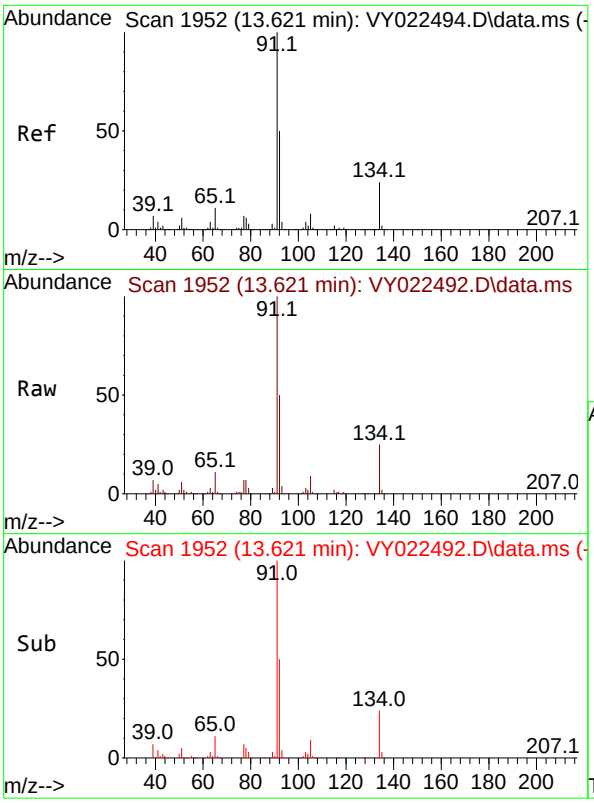


#88
1,4-Dichlorobenzene
Concen: 10.900 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 49834

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	60.6	31.6	94.8

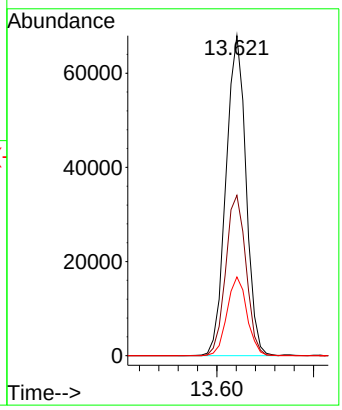




#89
n-Butylbenzene
Concen: 10.413 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 9754

Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.8
134	24.6	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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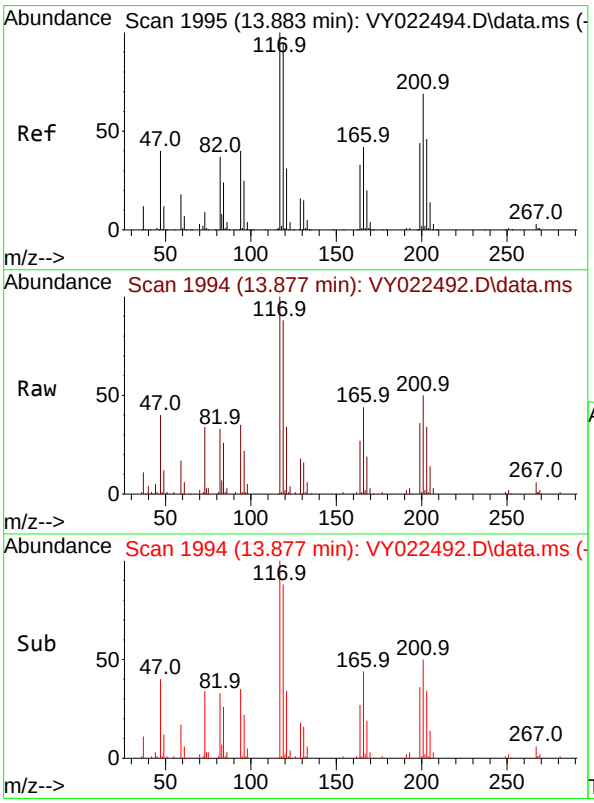
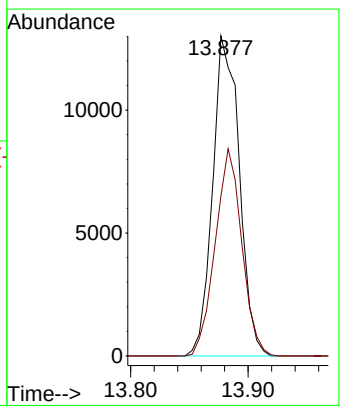
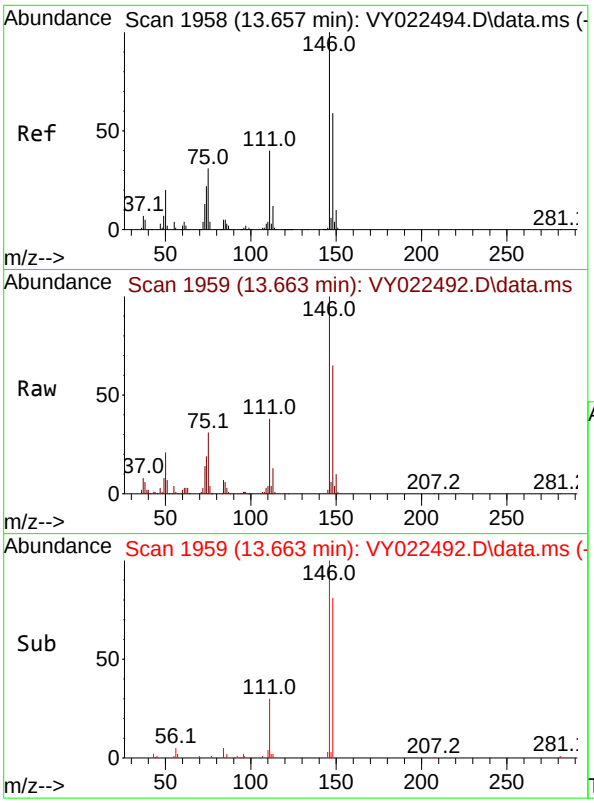


#90
Hexachloroethane
Concen: 10.631 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 20466

Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0

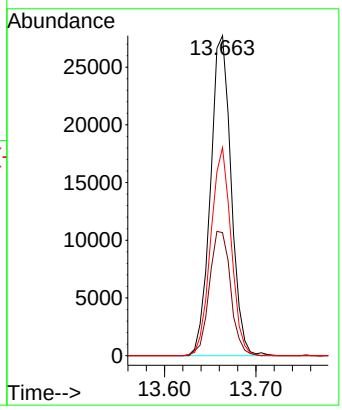




#91
1,2-Dichlorobenzene
Concen: 10.781 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 4346

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	64.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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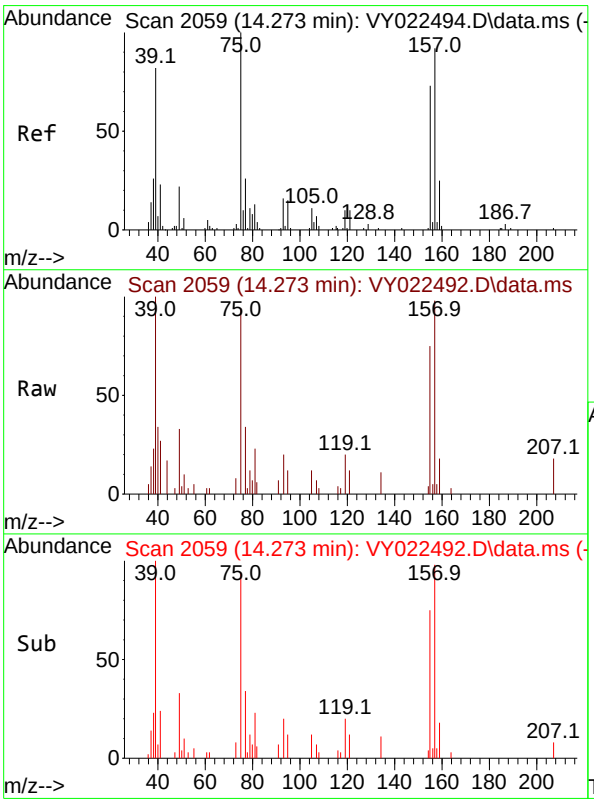
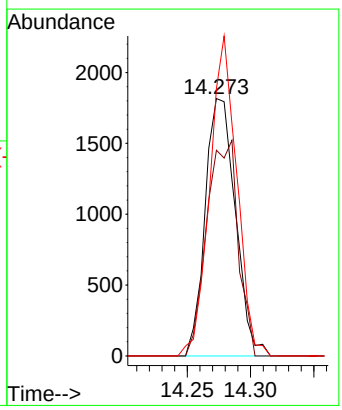
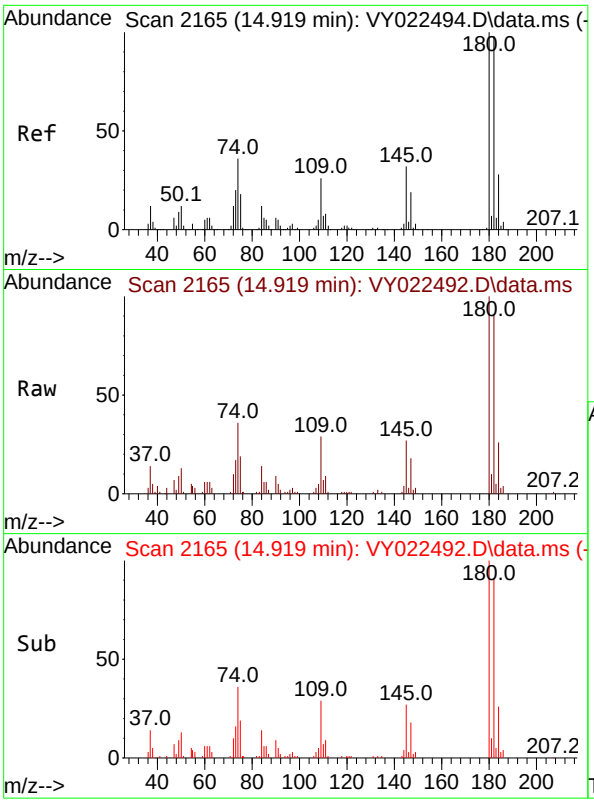


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.095 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 3014

Ion	Ratio	Lower	Upper
75	100		
155	86.2	39.9	119.6
157	111.3	54.0	162.0

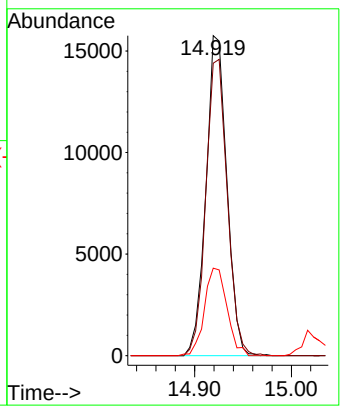




#93
1,2,4-Trichlorobenzene
Concen: 10.760 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 2371

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.3
145	29.5	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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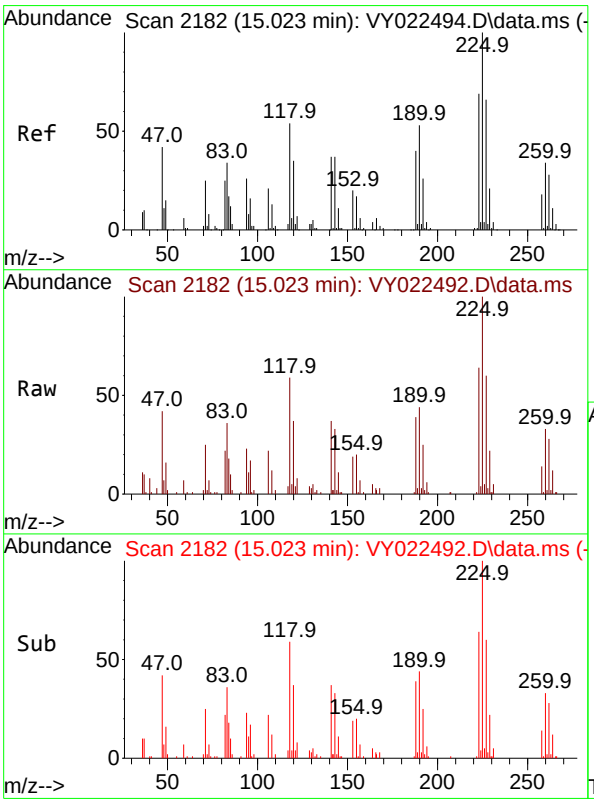
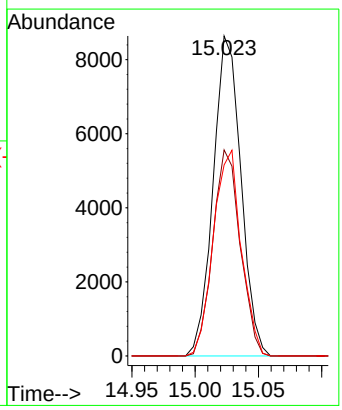
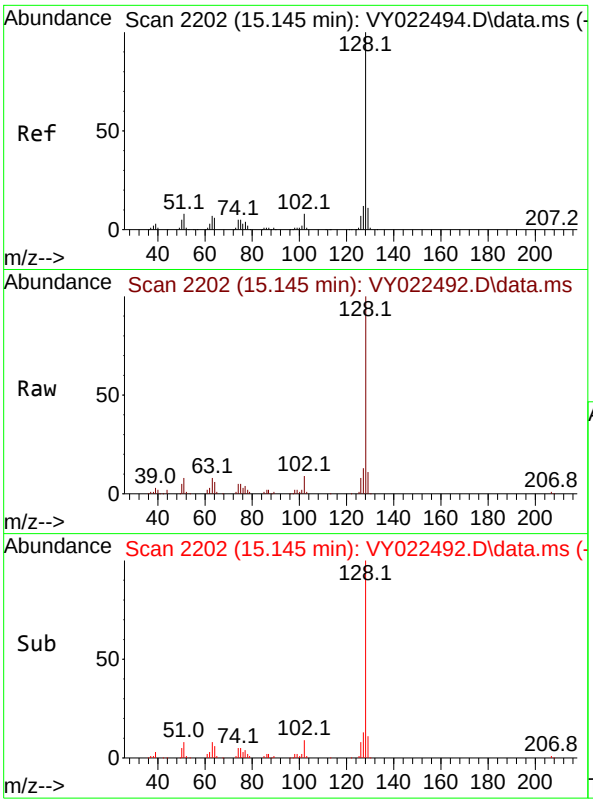


#94
Hexachlorobutadiene
Concen: 10.951 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:225 Resp: 13179

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.5	97.4
227	64.7	32.3	96.9

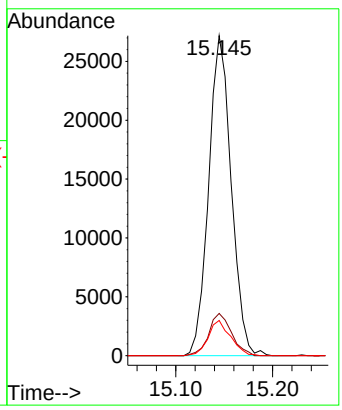




#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:128 Resp: 4406

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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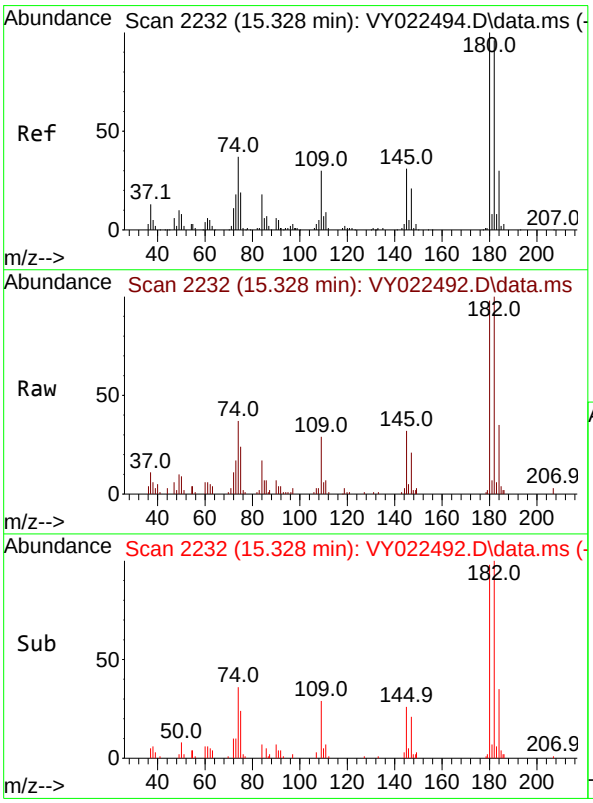
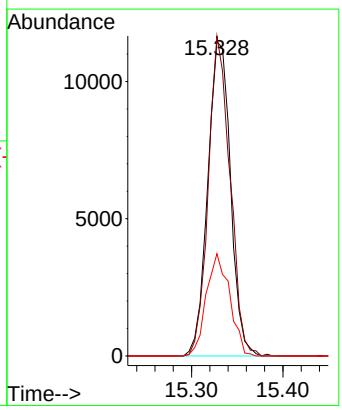


#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 19814

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.1	141.3
145	33.5	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l		
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

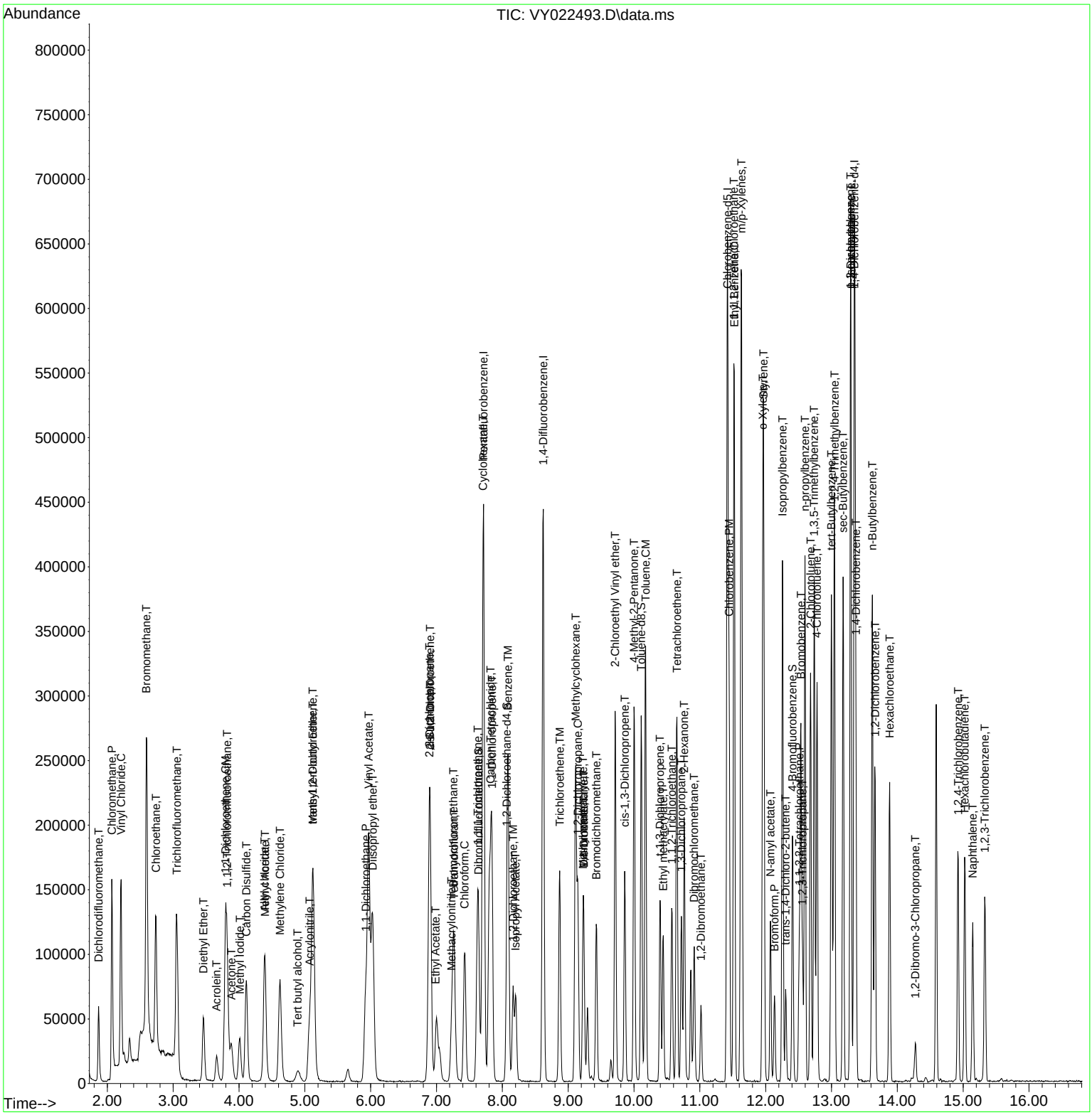
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

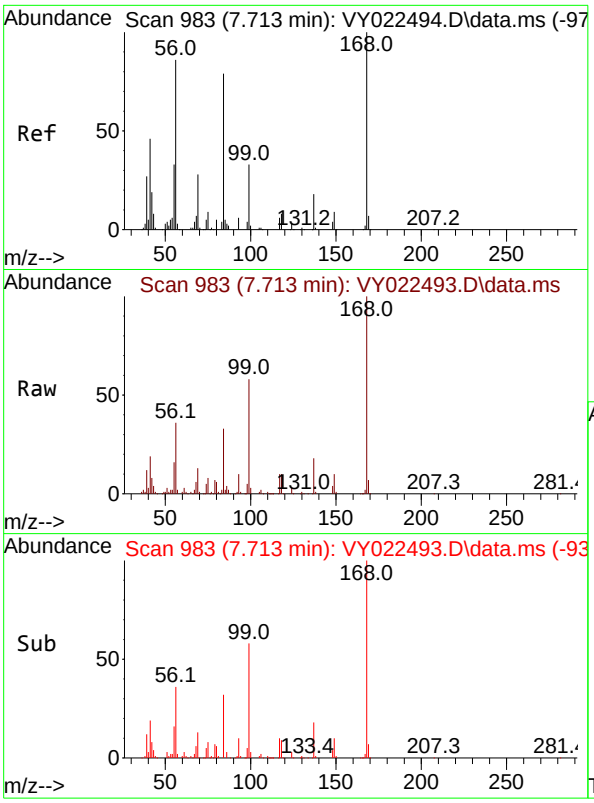
Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

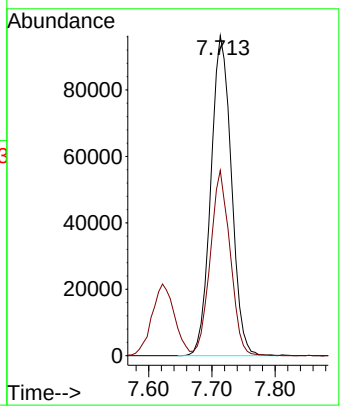




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:168 Resp: 21735

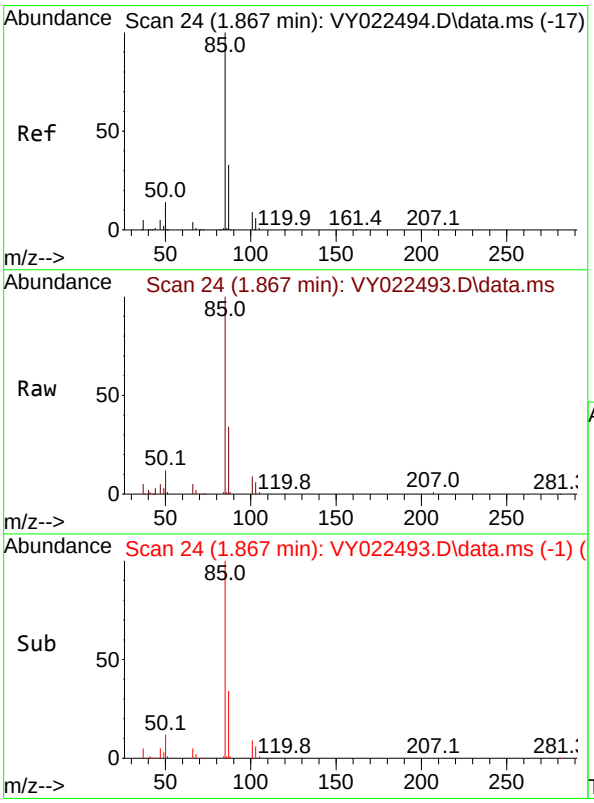
Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

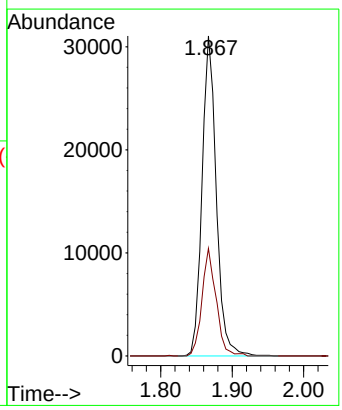
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

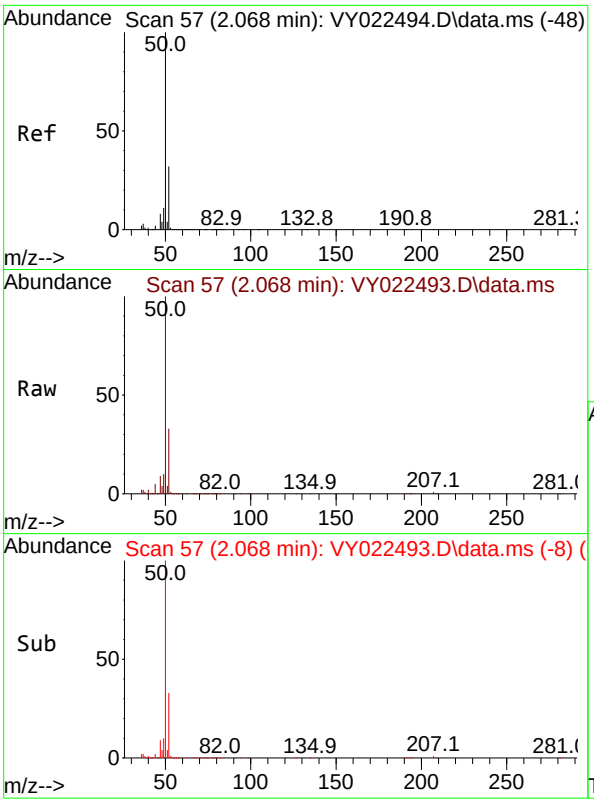


#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 85 Resp: 43056

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.7	50.0

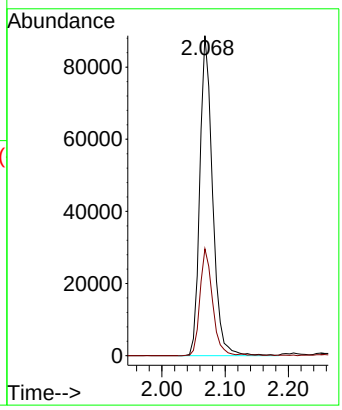




#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 50 Resp: 12444

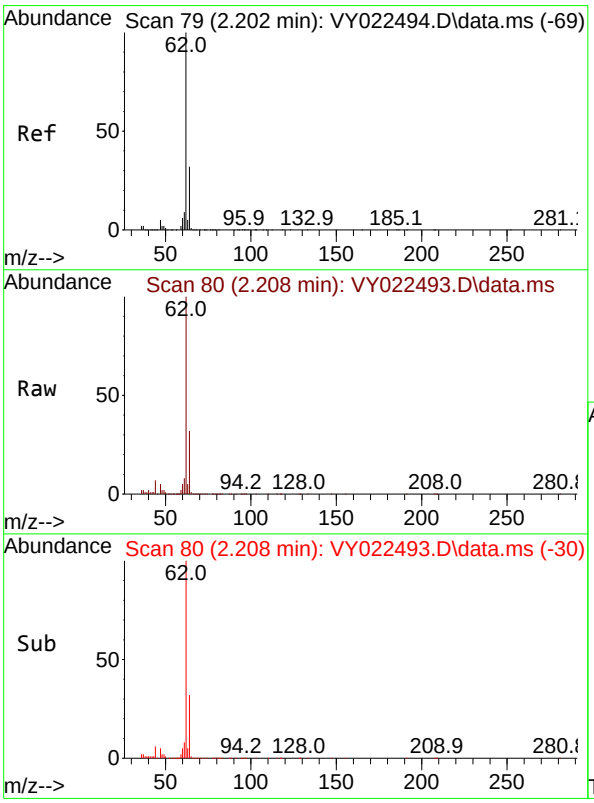
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

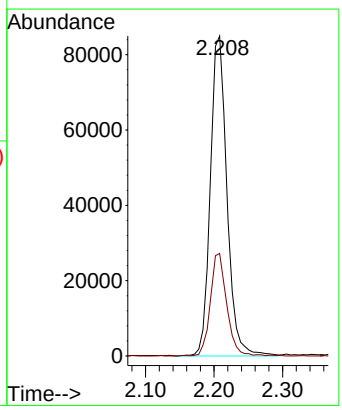
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

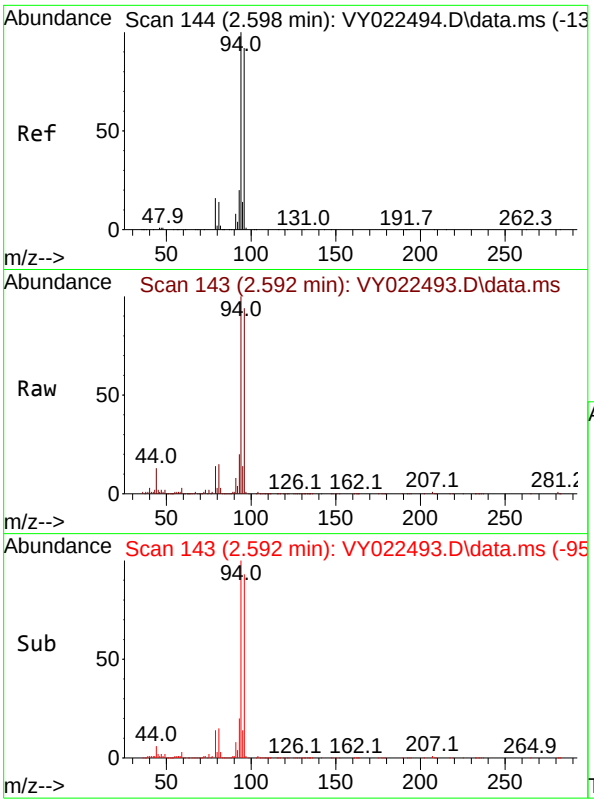


#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9

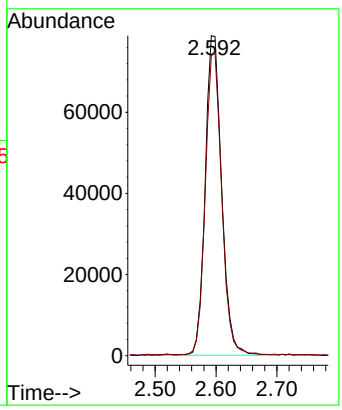




#5
Bromomethane
Concen: 23.891 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 94 Resp: 14820

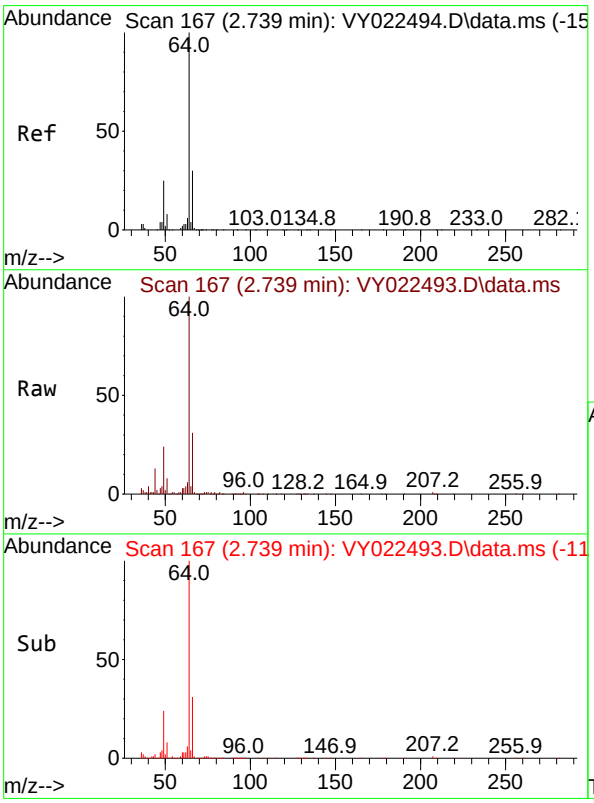
Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

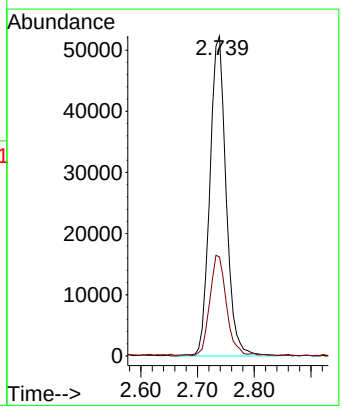
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

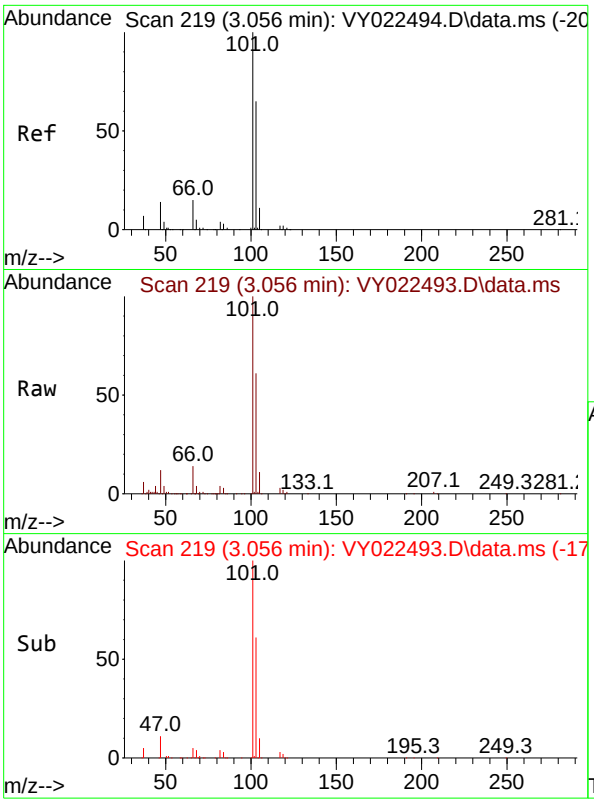


#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 64 Resp: 104116

Ion	Ratio	Lower	Upper
64	100		
66	30.8	23.8	35.6

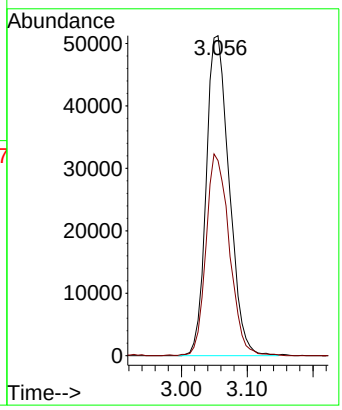




#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:101 Resp: 12437

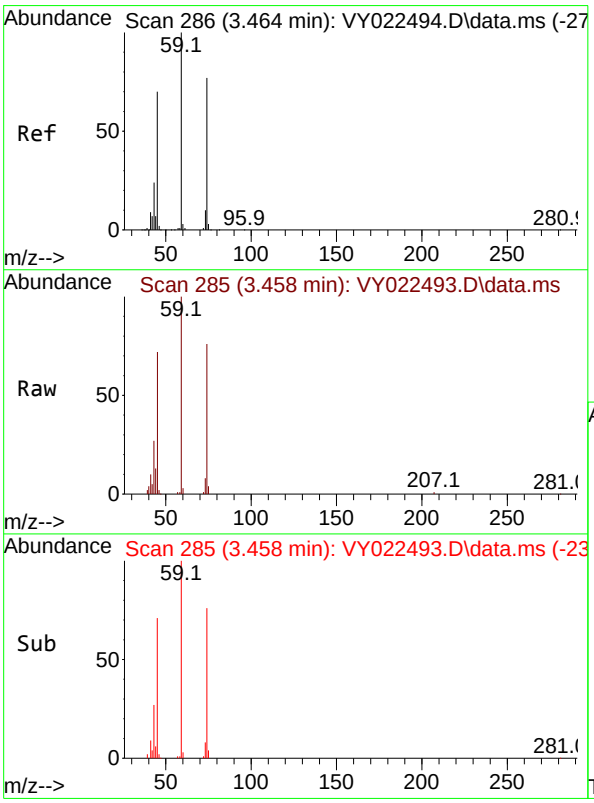
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

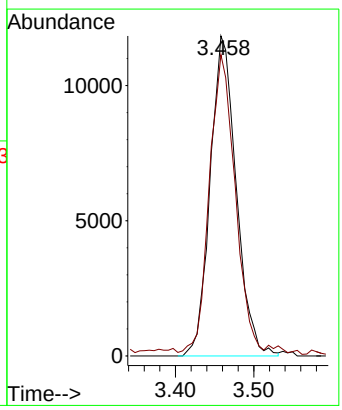
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

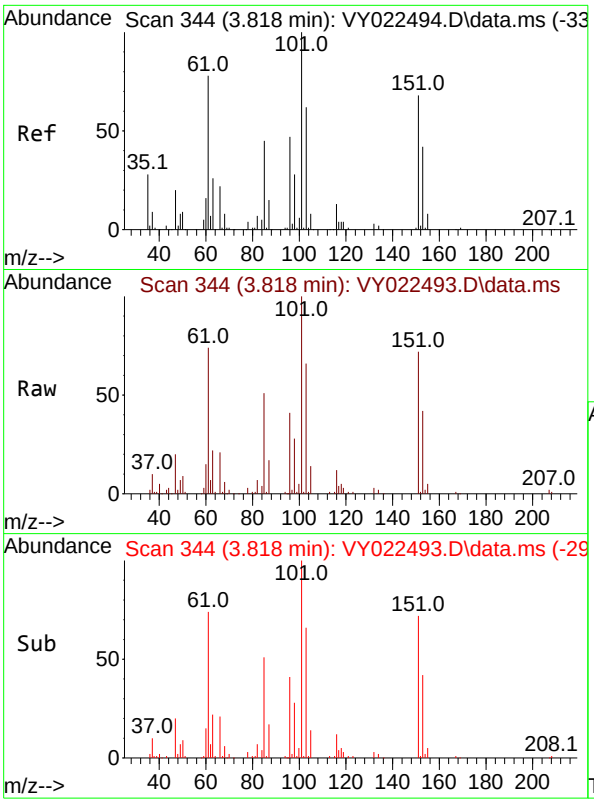


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 74 Resp: 27359

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6

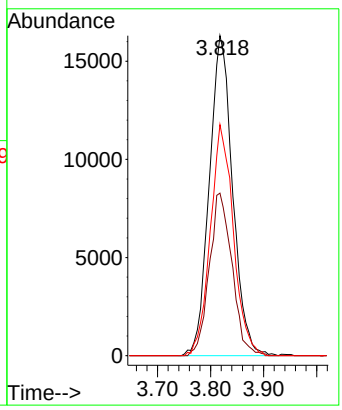




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:101 Resp: 4974

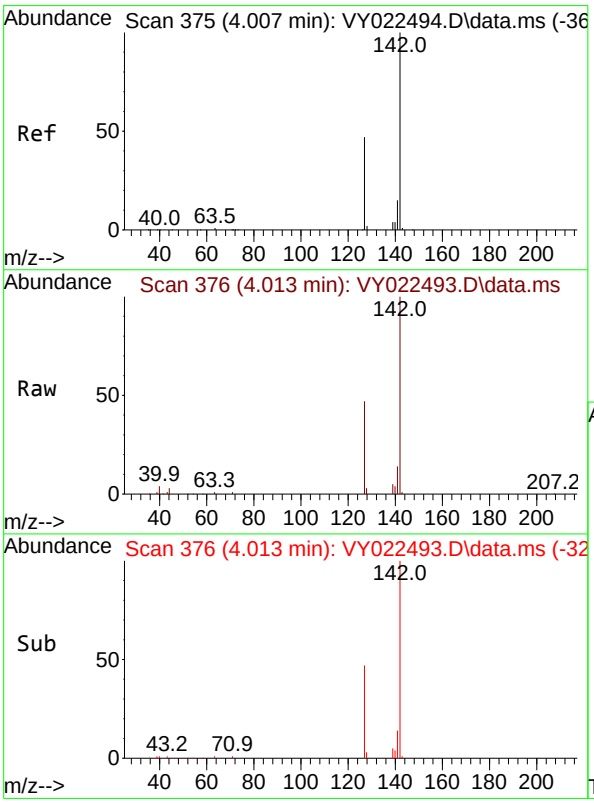
Ion	Ratio	Lower	Upper
101	100		
85	49.4	39.3	58.9
151	71.4	57.8	86.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

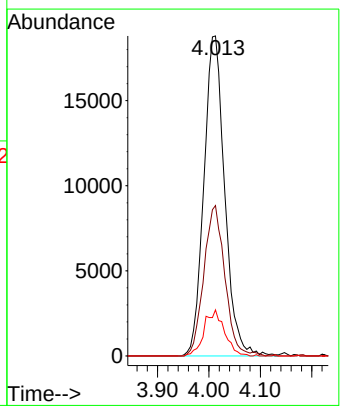
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

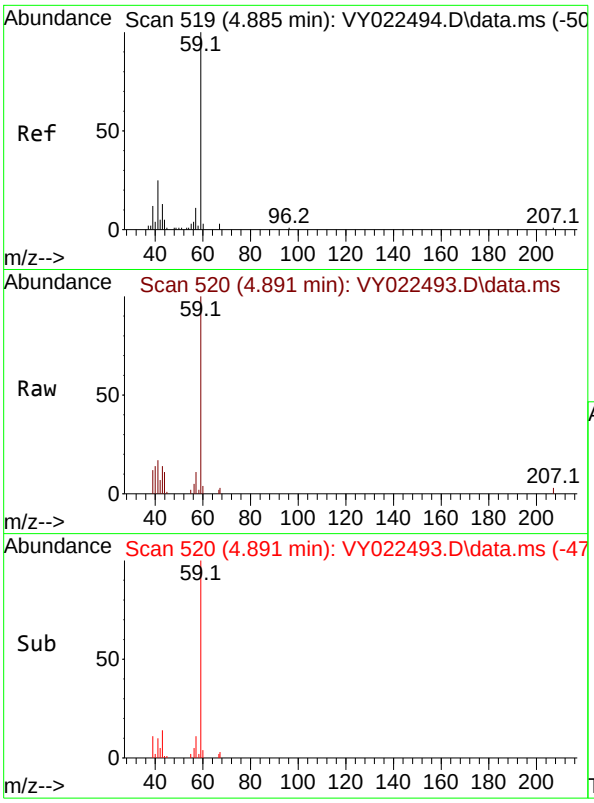


#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.1	55.7
141	14.1	11.4	17.2

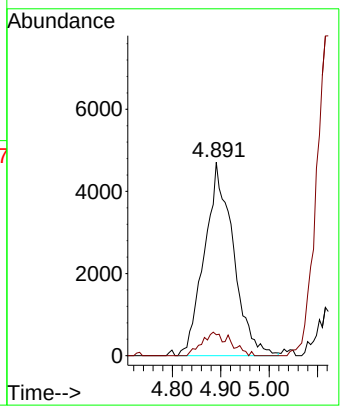




#11
Tert butyl alcohol
Concen: 115.163 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 59 Resp: 1945

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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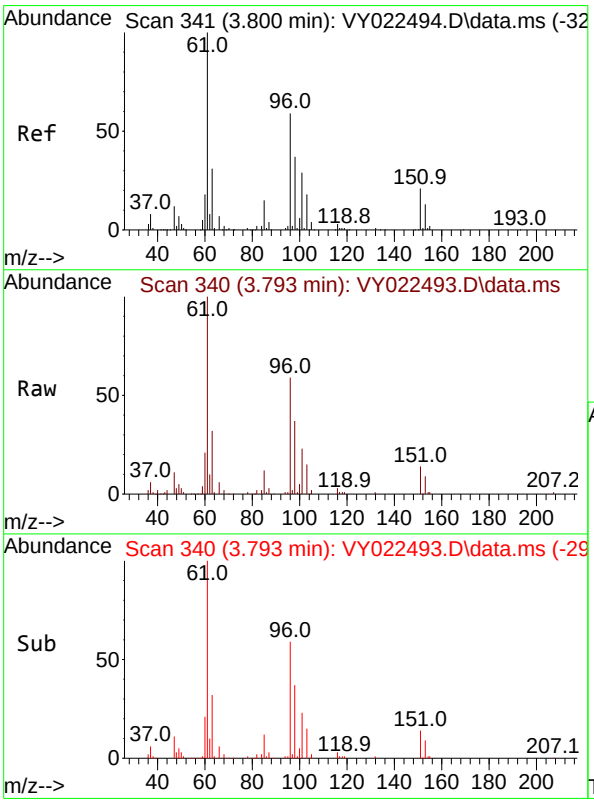
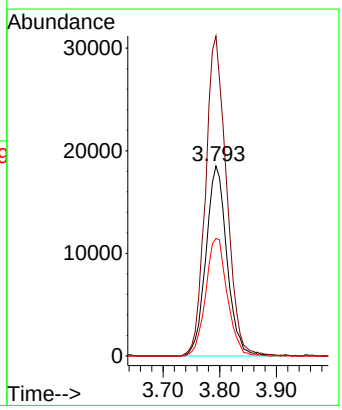
Supervised By :Mahesh Dadoda 06/03/2025

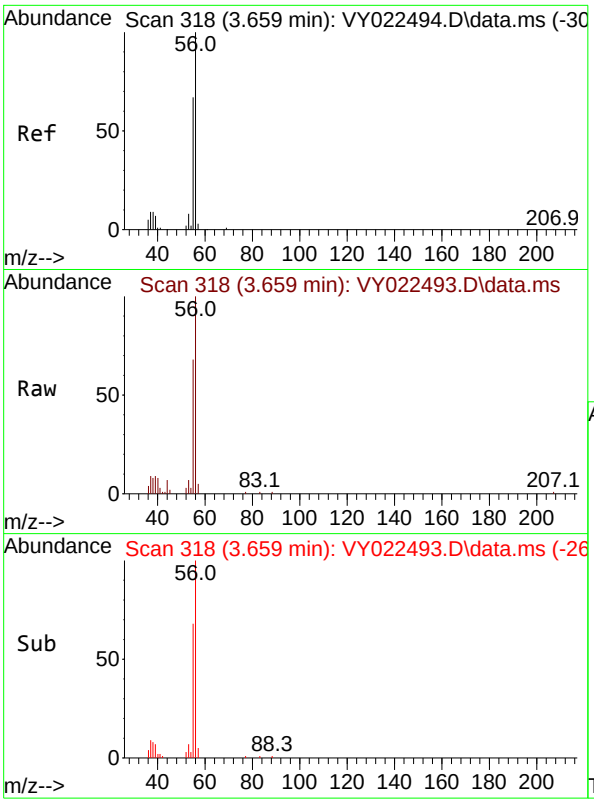


#12
1,1-Dichloroethene
Concen: 21.411 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 47770

Ion	Ratio	Lower	Upper
96	100		
61	168.5	134.6	201.8
98	61.9	50.2	75.4

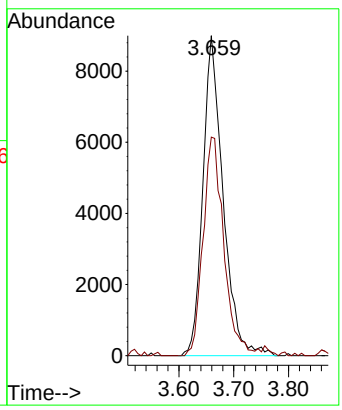




#13
Acrolein
Concen: 111.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 56 Resp: 2297

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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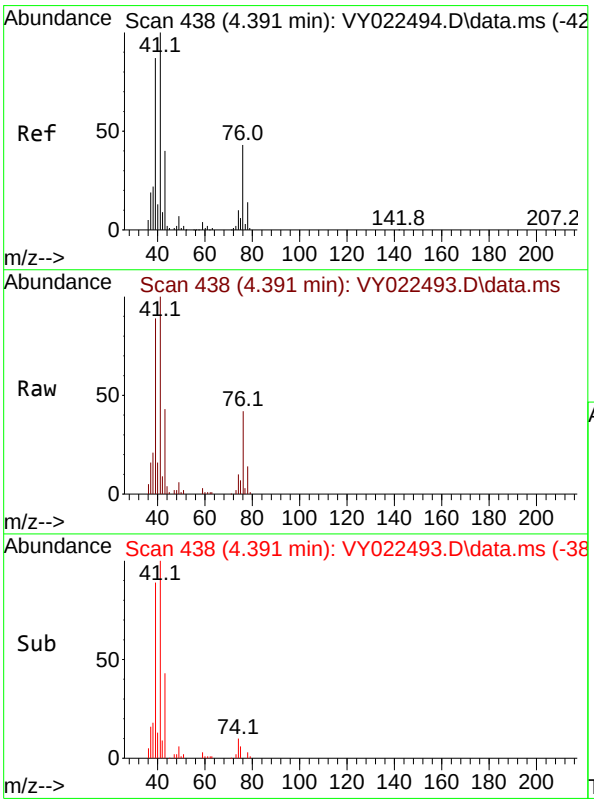
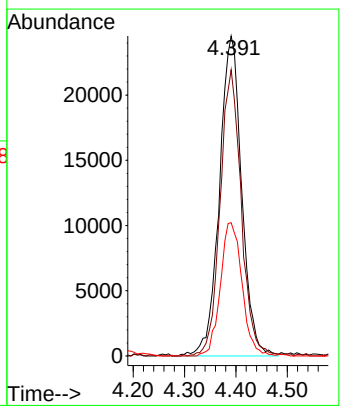
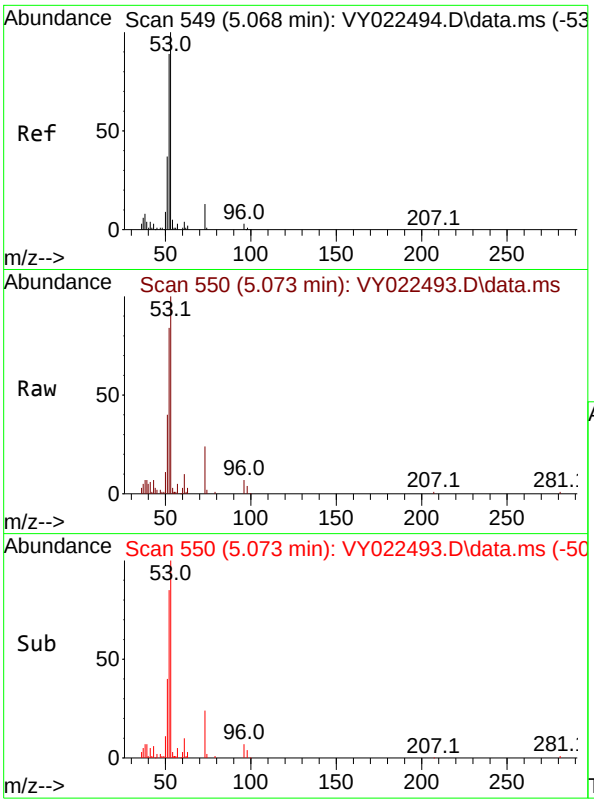


#14
Allyl chloride
Concen: 21.263 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 73926

Ion	Ratio	Lower	Upper
41	100		
39	84.7	69.1	103.7
76	40.5	33.5	50.3

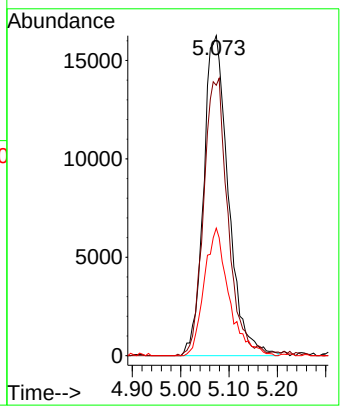




#15
Acrylonitrile
Concen: 110.420 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 53 Resp: 5780

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.7	98.5
51	39.8	30.1	45.1



Instrument :
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ClientSampleId :
VSTDICC020

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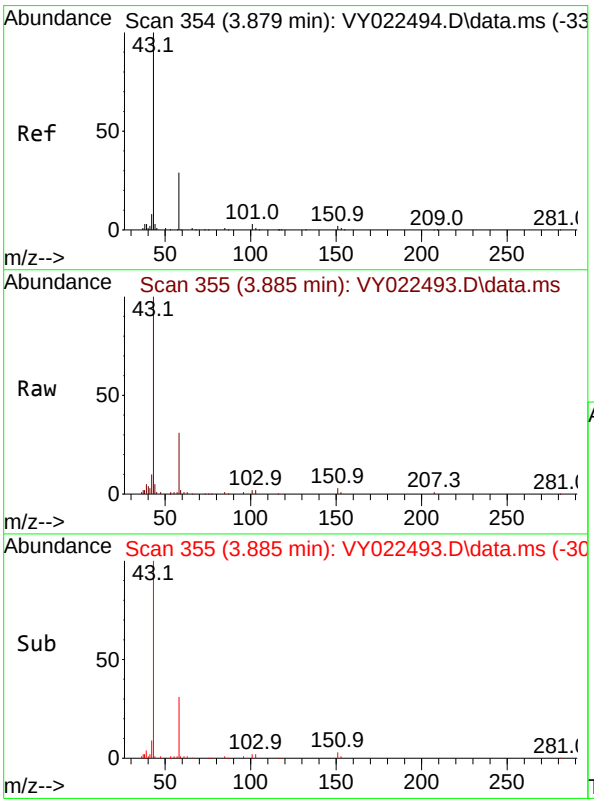
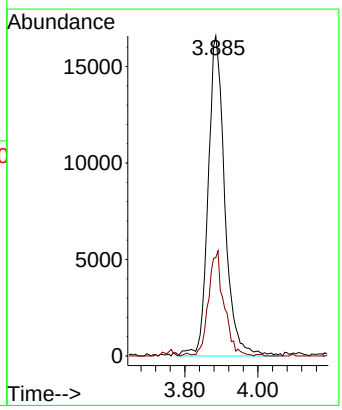
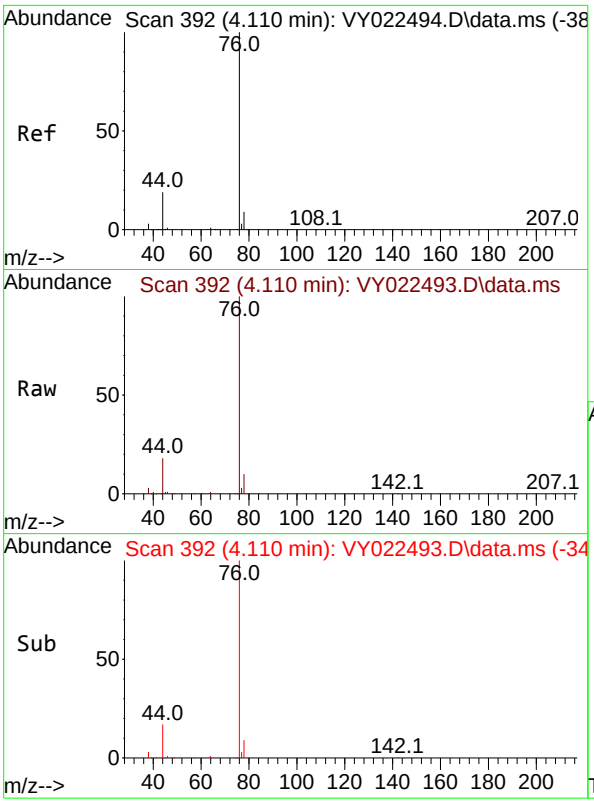


#16
Acetone
Concen: 111.925 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 52330

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0

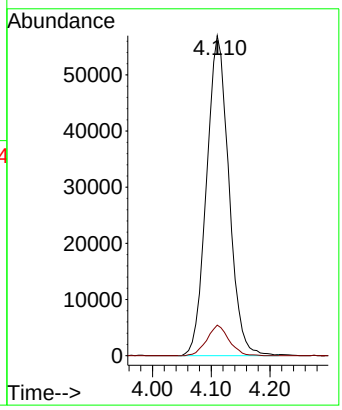




#17
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 76 Resp: 15051

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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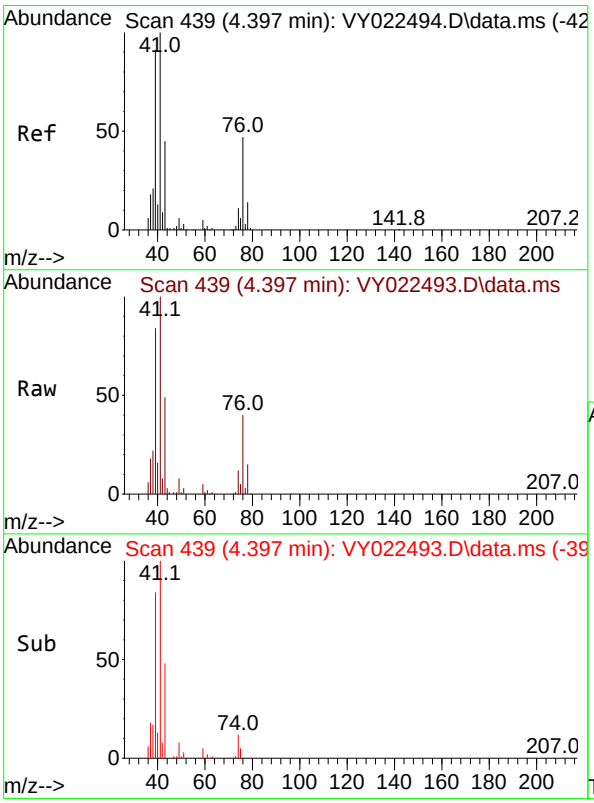
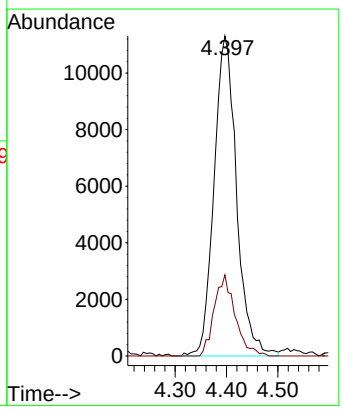
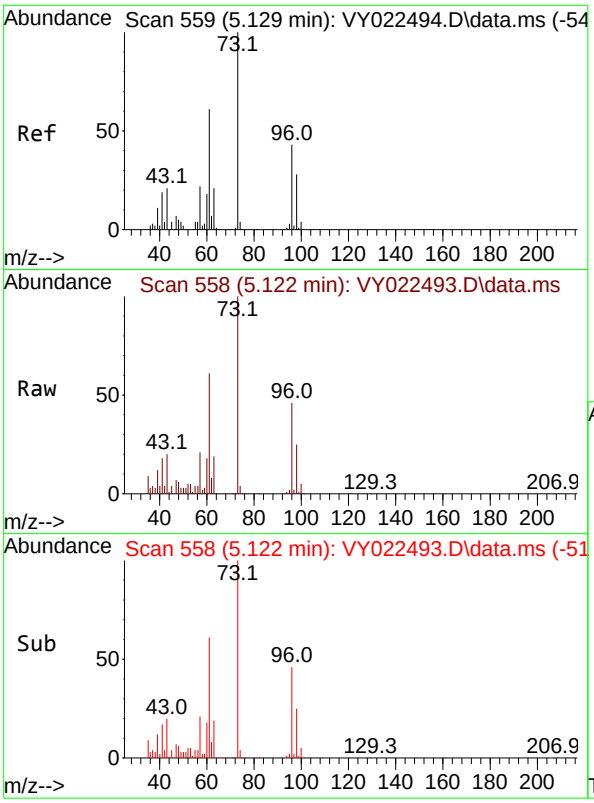


#18
Methyl Acetate
Concen: 24.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 34419

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6

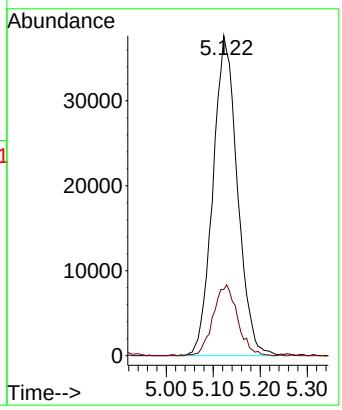




#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 73 Resp: 13654

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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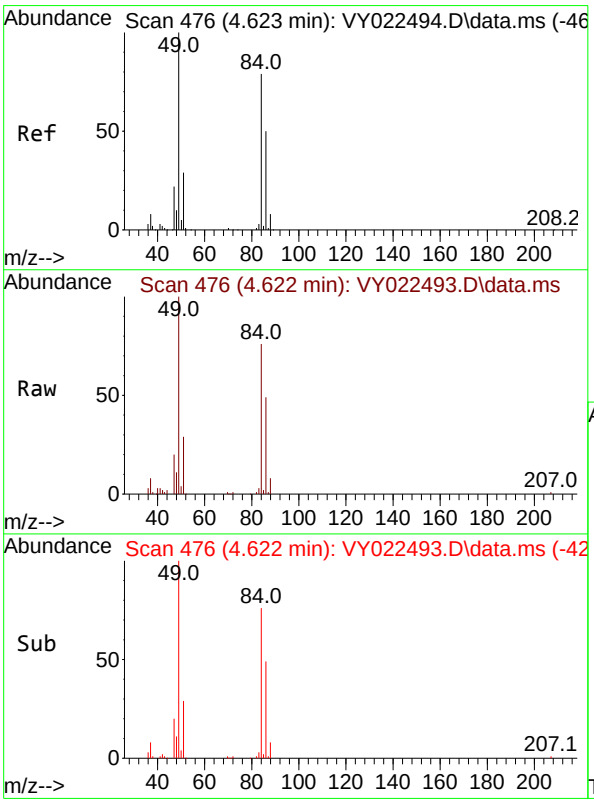
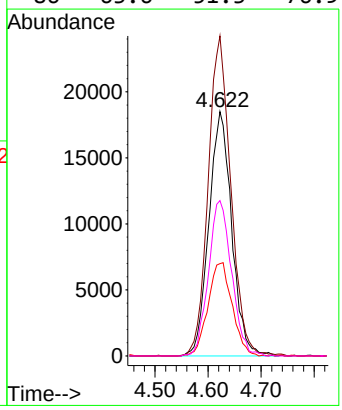
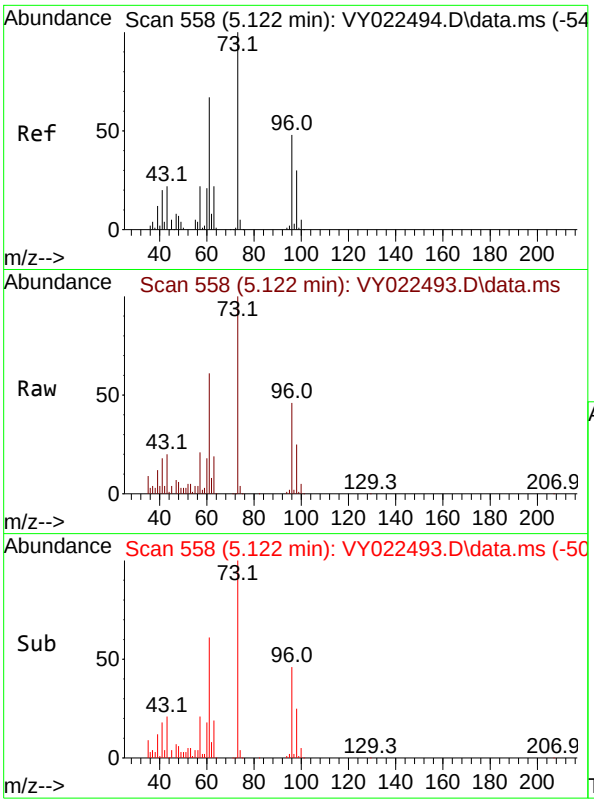


#20
Methylene Chloride
Concen: 21.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.9	152.9
51	37.8	29.8	44.8
86	63.6	51.3	76.9

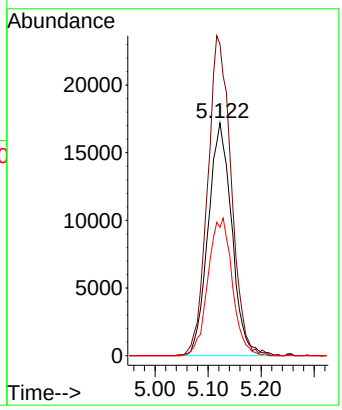




#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 5319

Ion	Ratio	Lower	Upper
96	100		
61	133.3	112.6	169.0
98	55.1	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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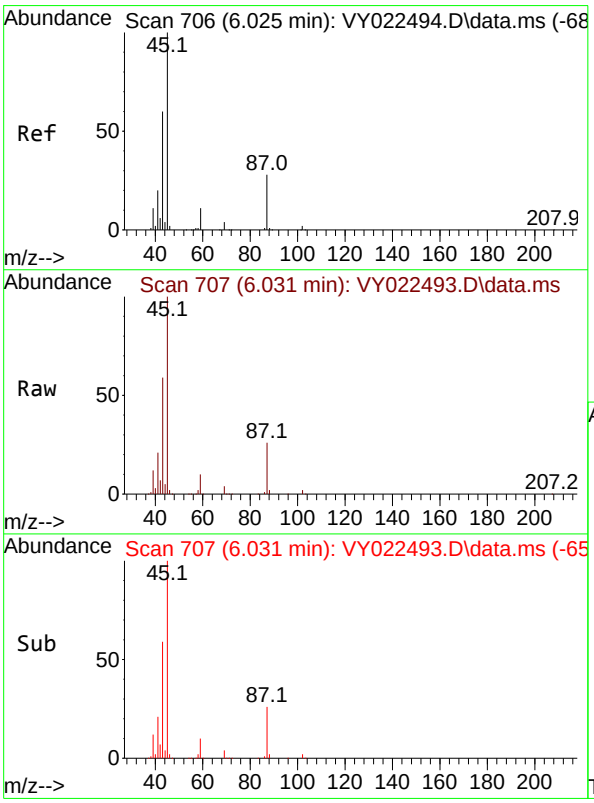
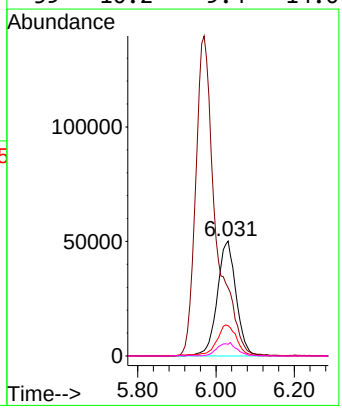
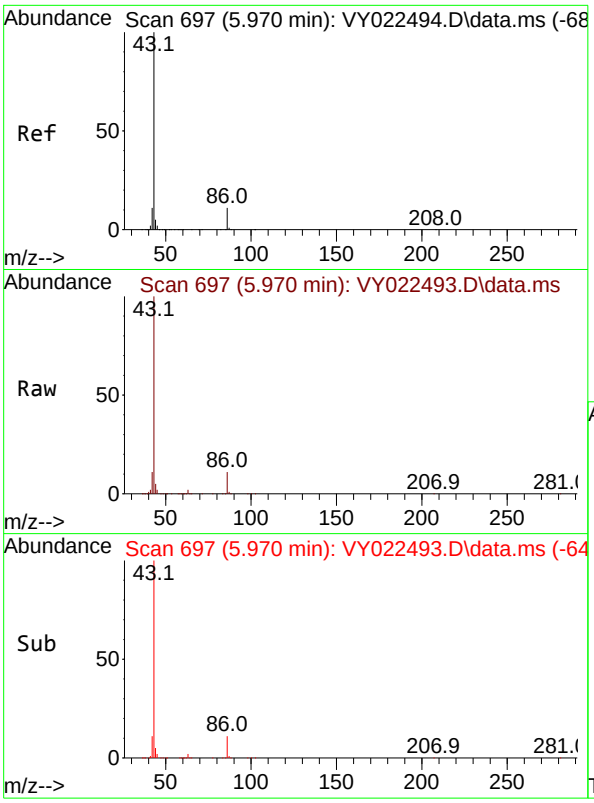


#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064

Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.3	72.5
87	26.3	23.0	34.6
59	10.2	9.4	14.0





#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 49793

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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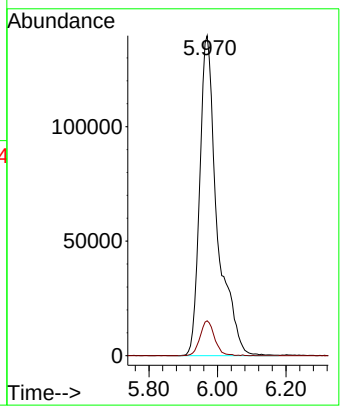
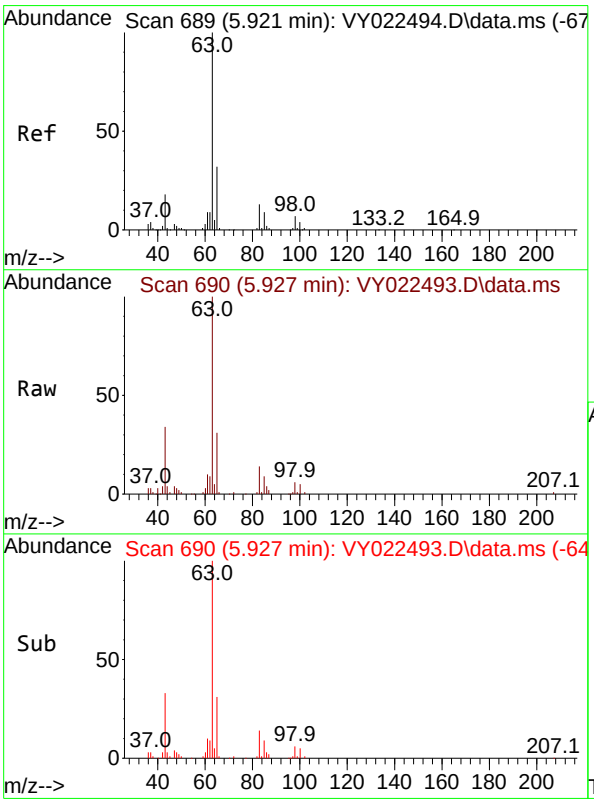
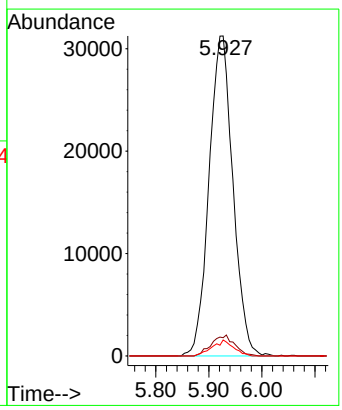


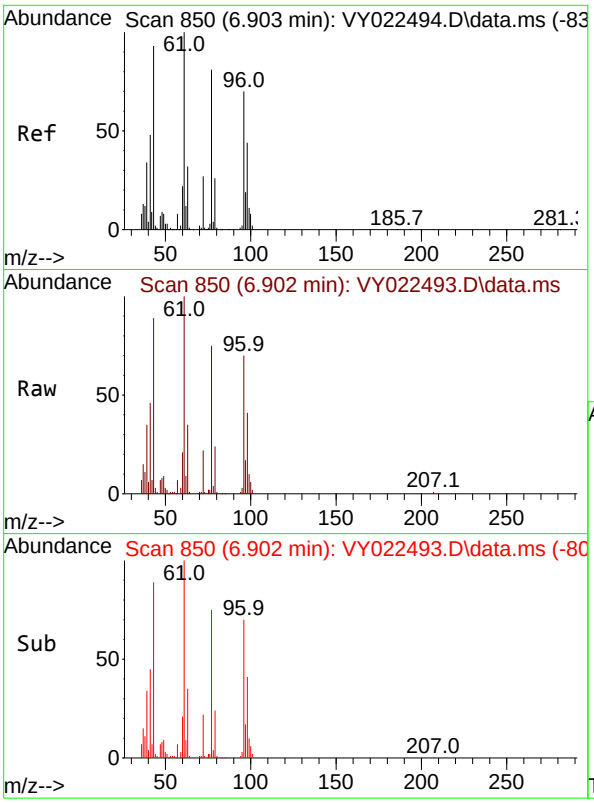


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 112.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 7732

Ion	Ratio	Lower	Upper
43	100		
72	24.9	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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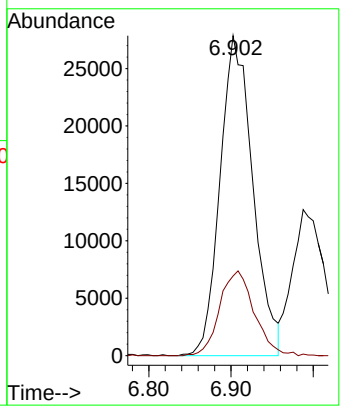
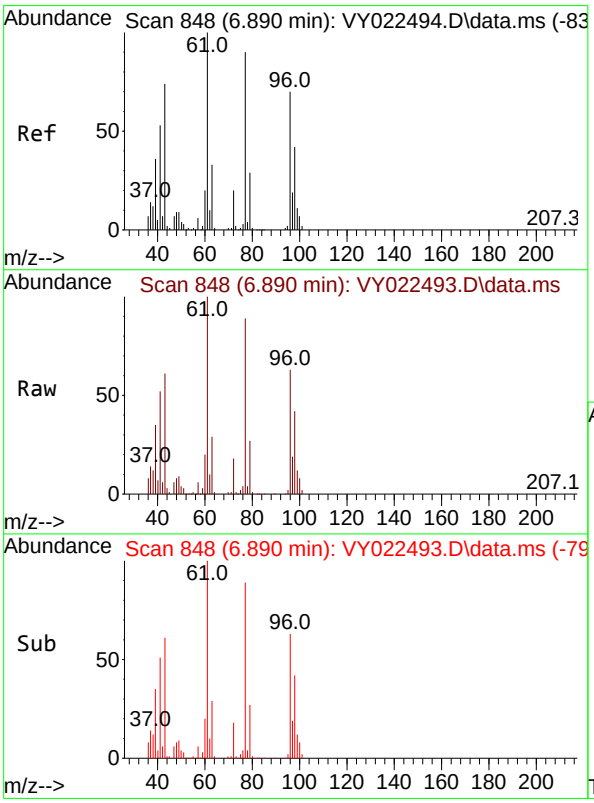
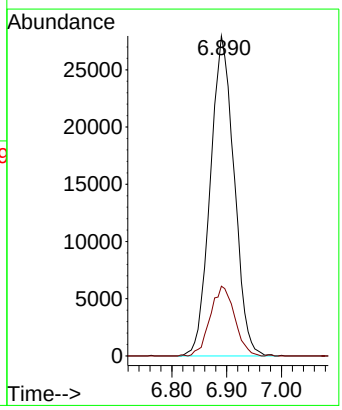


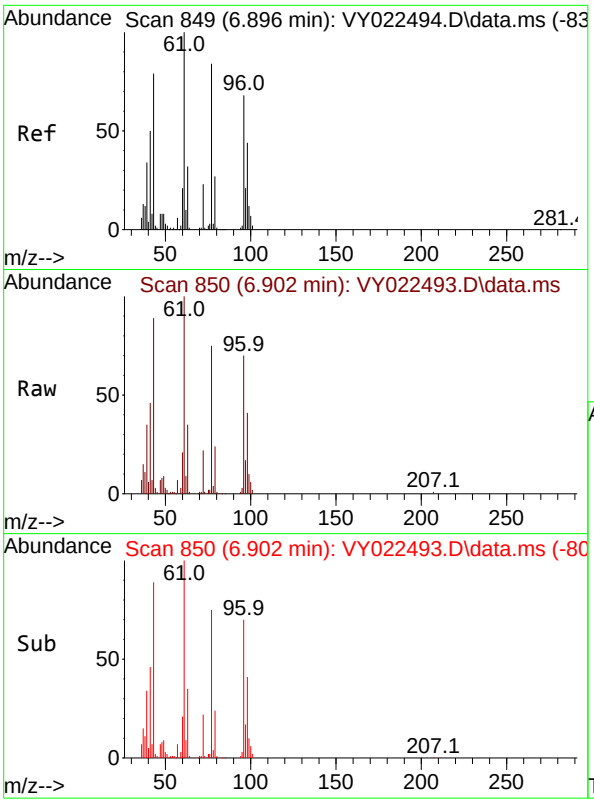


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 77 Resp: 84543

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2

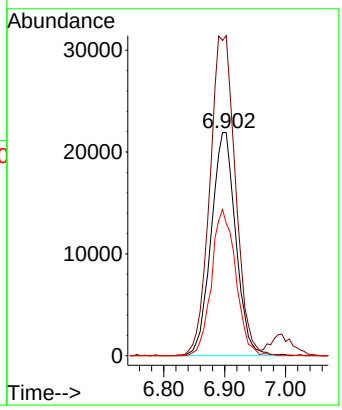




#27
cis-1,2-Dichloroethene
Concen: 21.300 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 6136

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.0
98	64.4	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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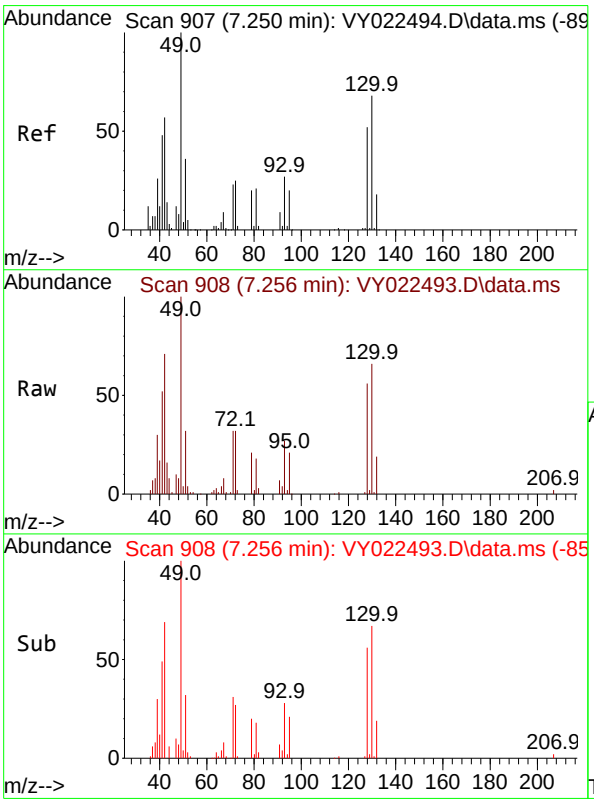
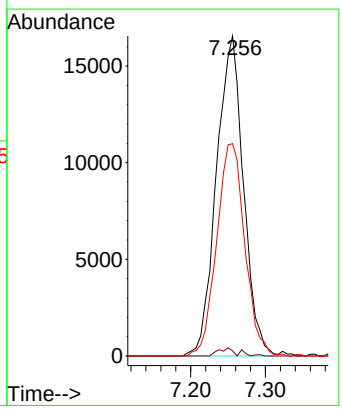
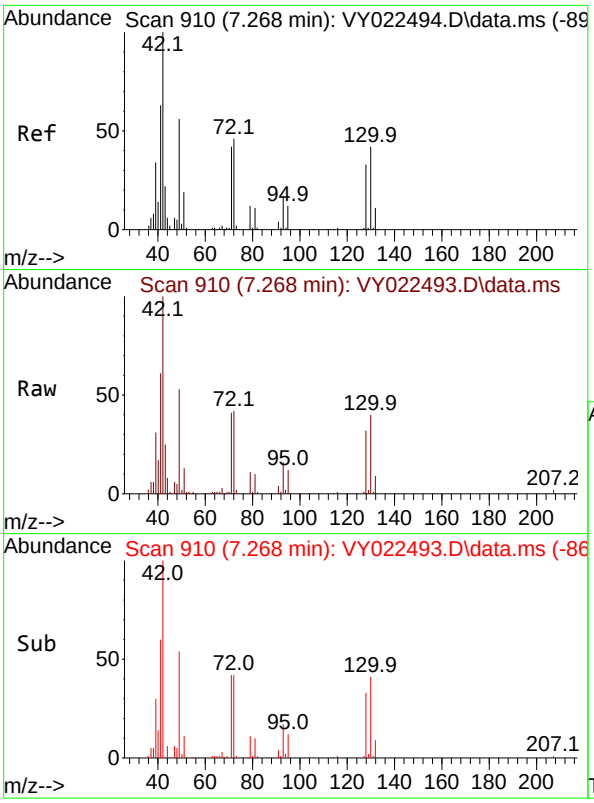


#28
Bromochloromethane
Concen: 21.085 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 49 Resp: 41634

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	69.0	55.7	83.5

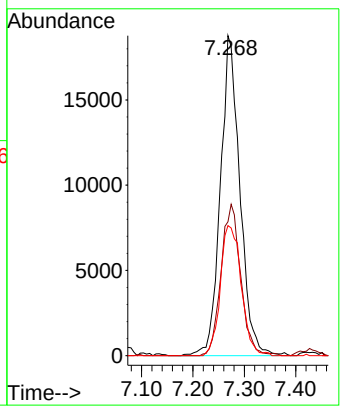




#29
Tetrahydrofuran
Concen: 111.296 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 42 Resp: 4951

Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.6	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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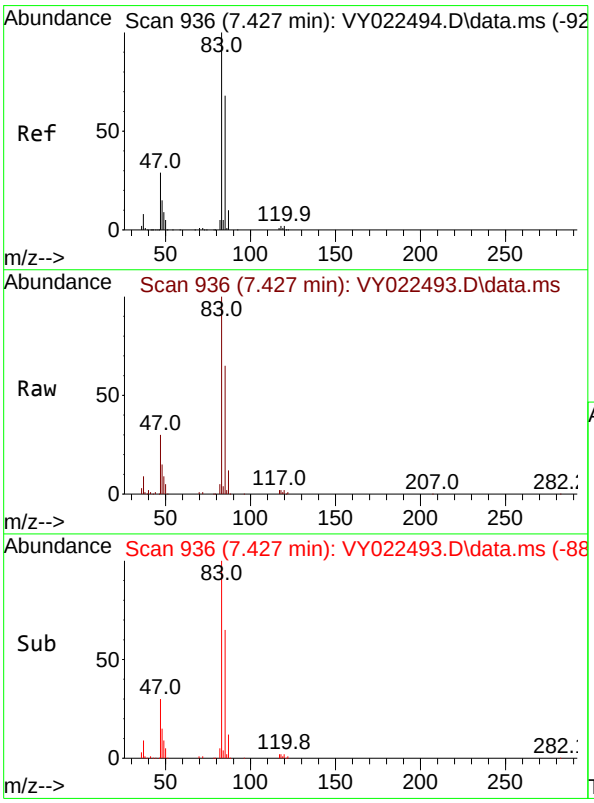
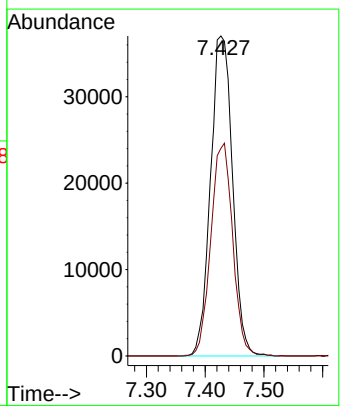
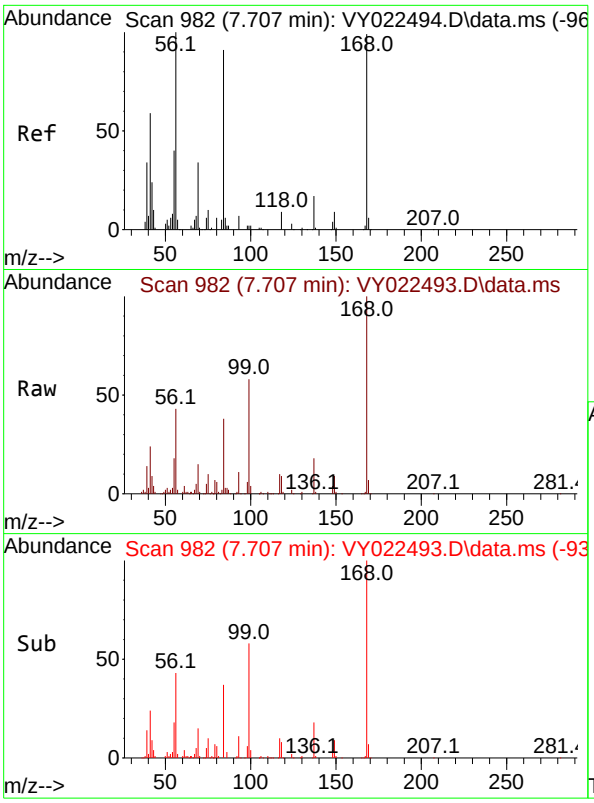


#30
Chloroform
Concen: 21.350 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 96414

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4





#31
Cyclohexane
Concen: 20.762 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 56 Resp: 9548

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	87.0	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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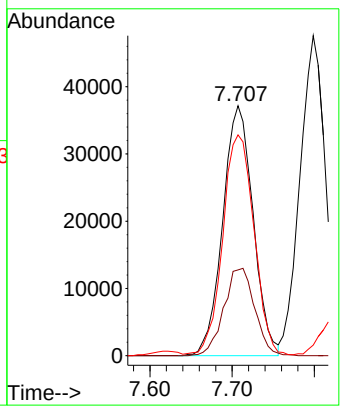
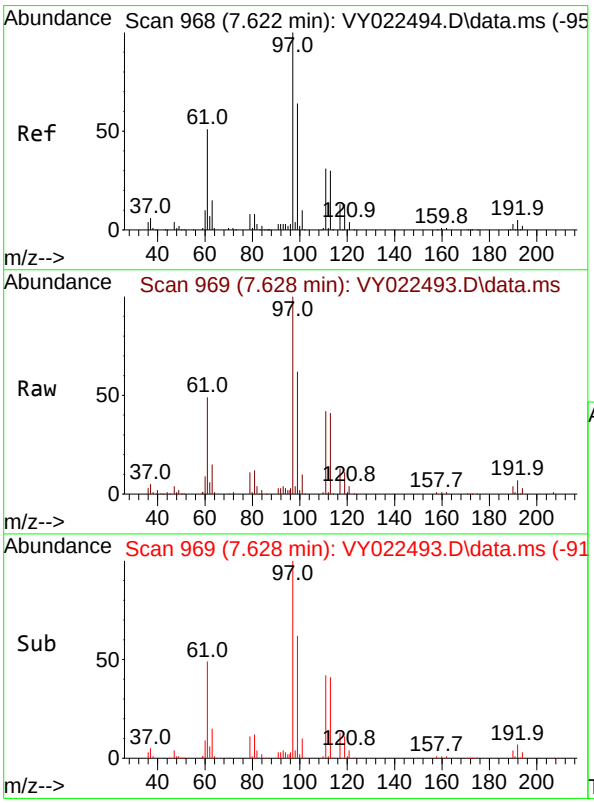
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

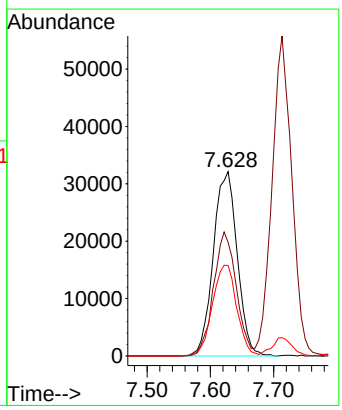


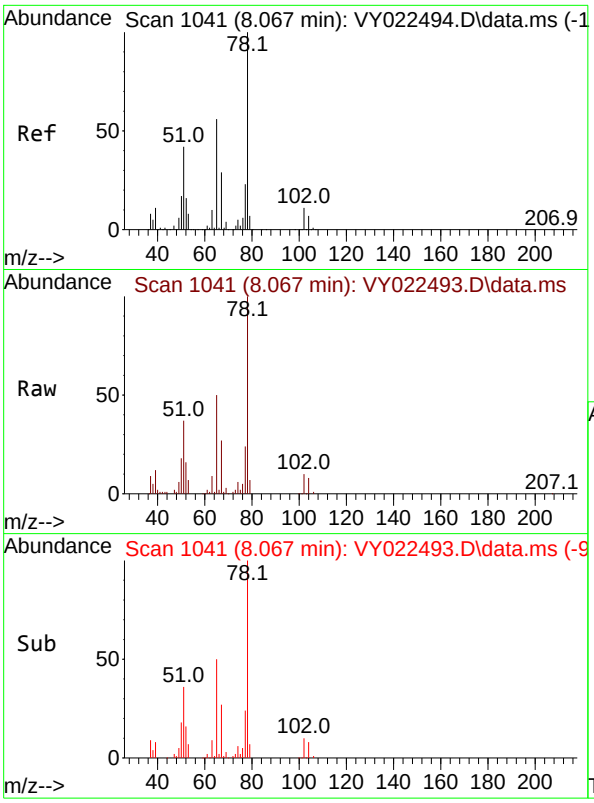


#32
1,1,1-Trichloroethane
Concen: 20.905 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 84365

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	49.7	38.5	57.7

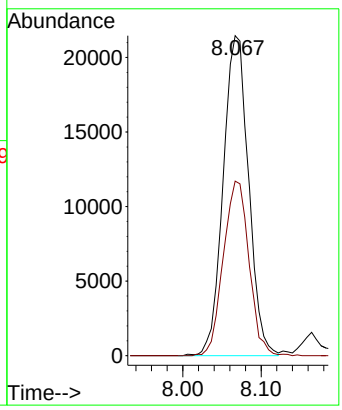




#33
1,2-Dichloroethane-d4
Concen: 20.457 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 65 Resp: 4838

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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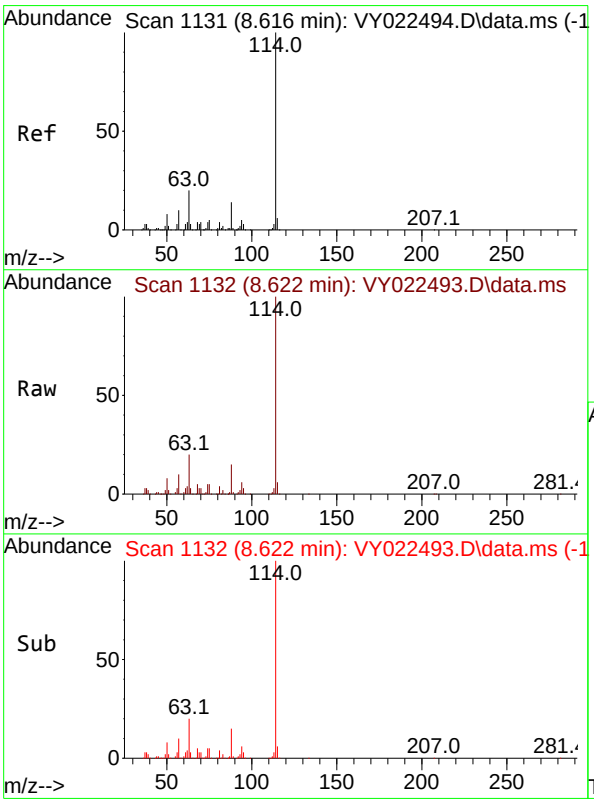
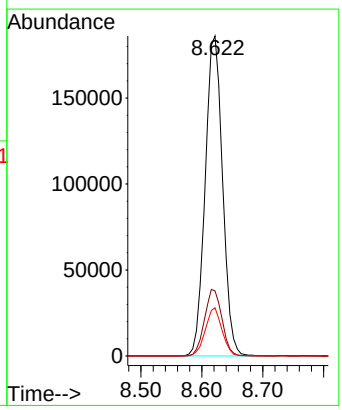
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

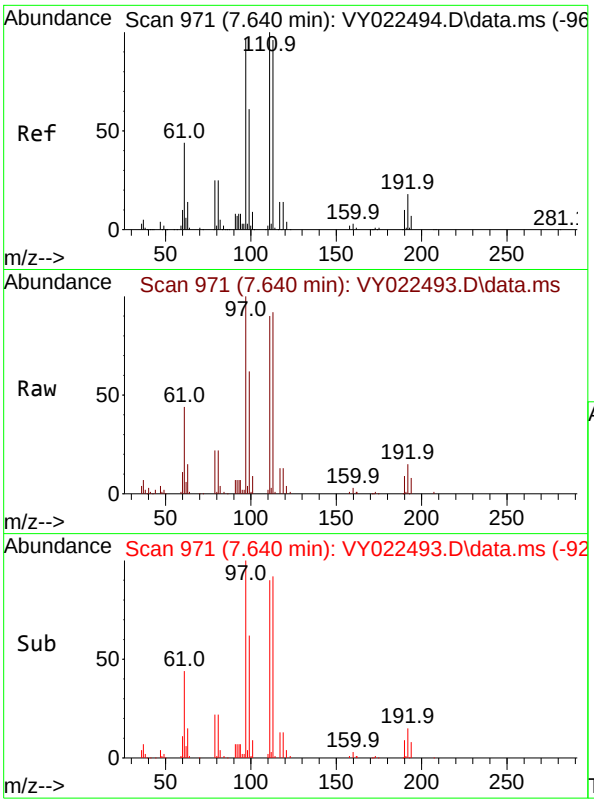


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:114 Resp: 369398

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	27.8

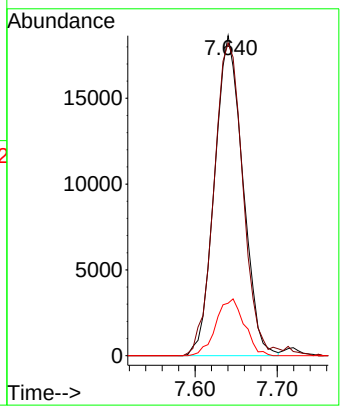




#35
Dibromofluoromethane
Concen: 20.456 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:113 Resp: 4448

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	17.8	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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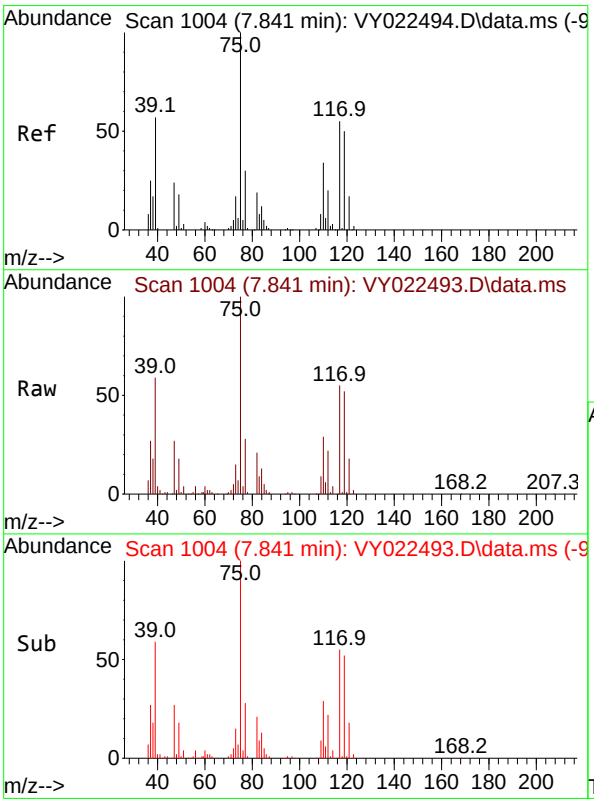
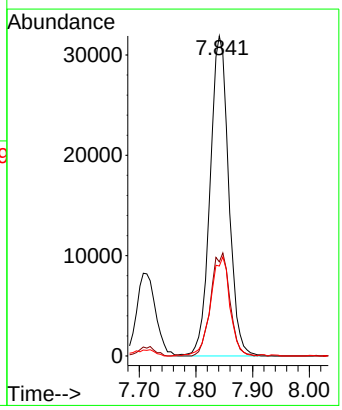
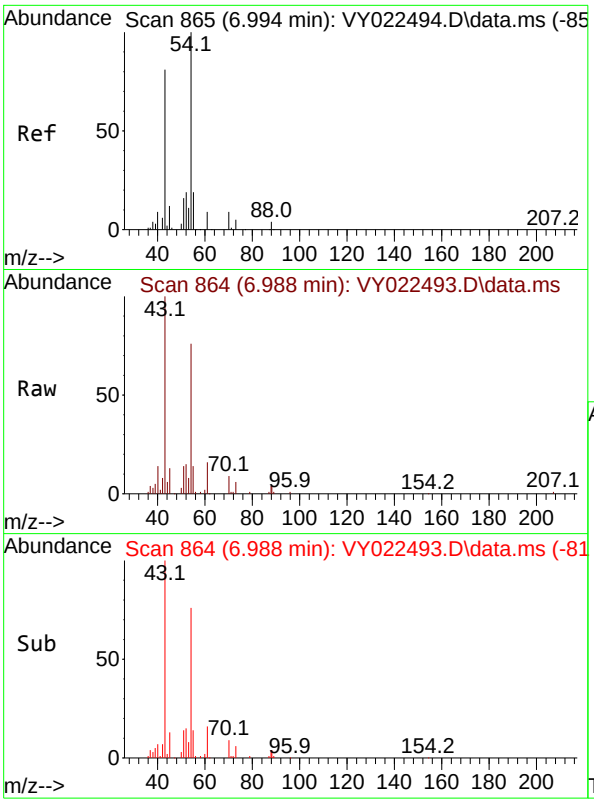


#36
1,1-Dichloropropene
Concen: 20.670 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 72658

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	32.2	24.8	37.2

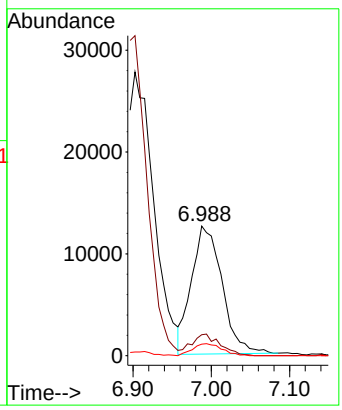




#37
Ethyl Acetate
Concen: 22.110 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 3420

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	8.9	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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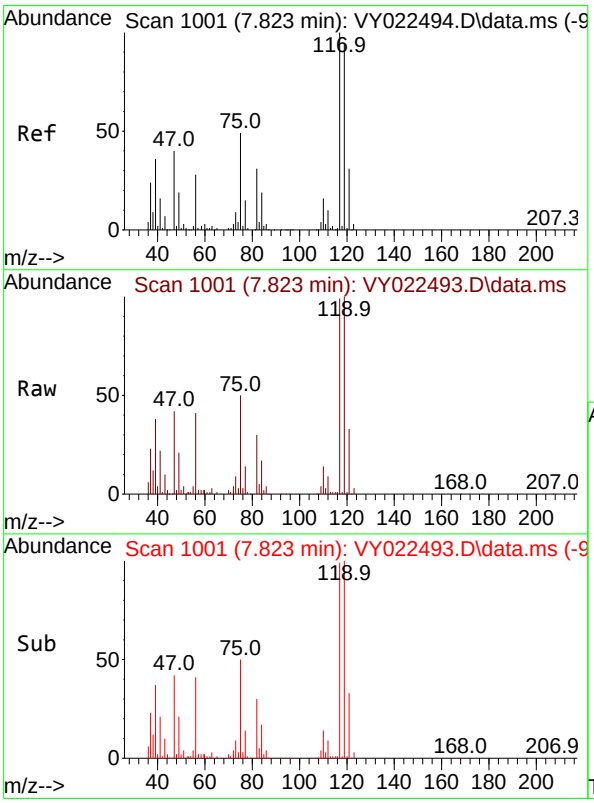
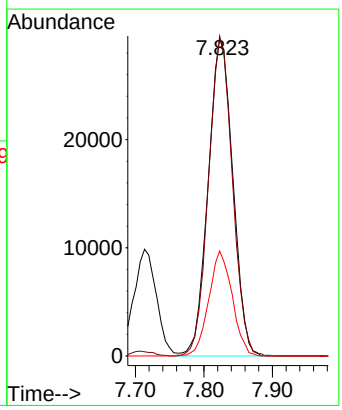
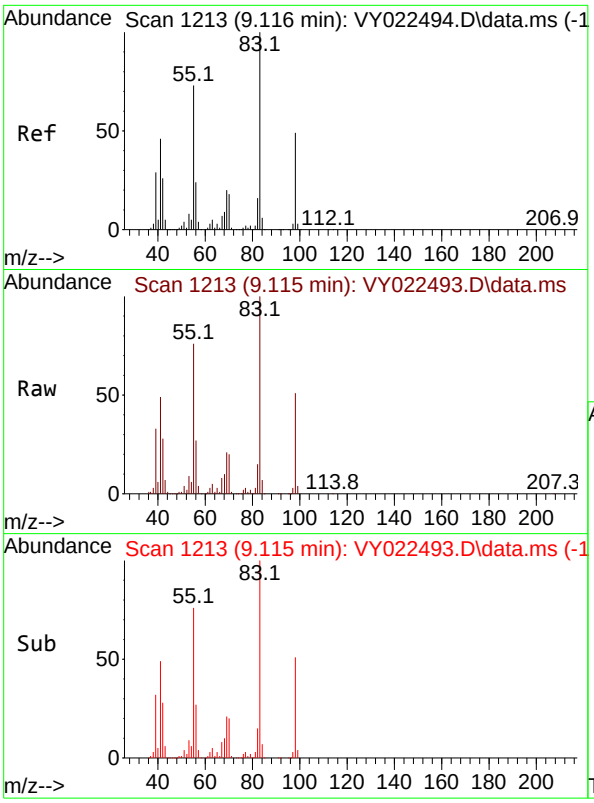


#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 73370

Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
121	33.2	25.0	37.4

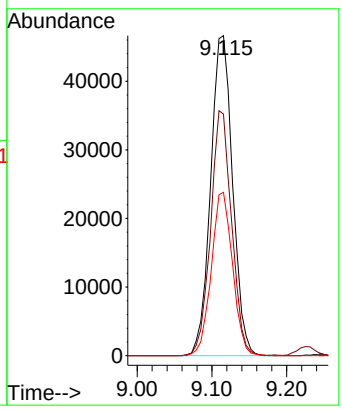




#39
Methylcyclohexane
Concen: 20.065 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 9528

Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.1	87.1
98	51.1	39.0	58.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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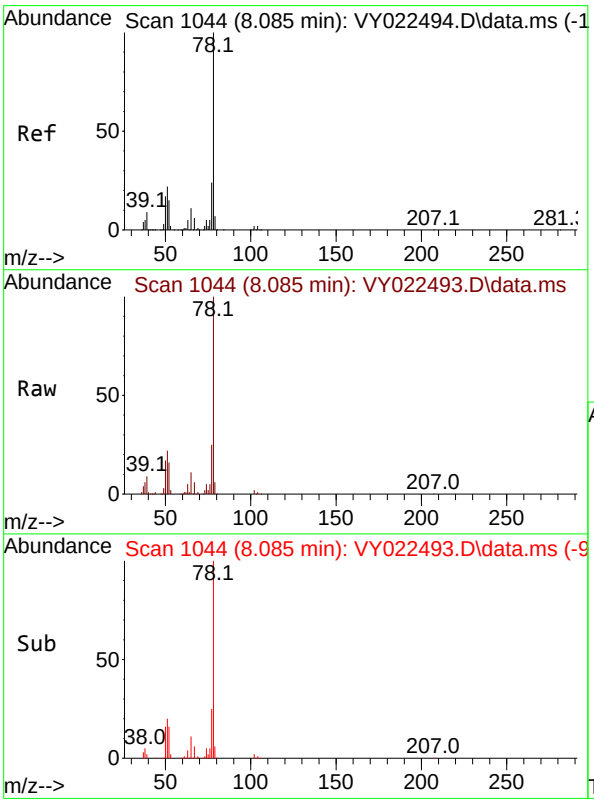
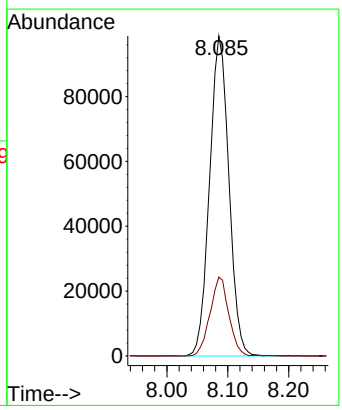
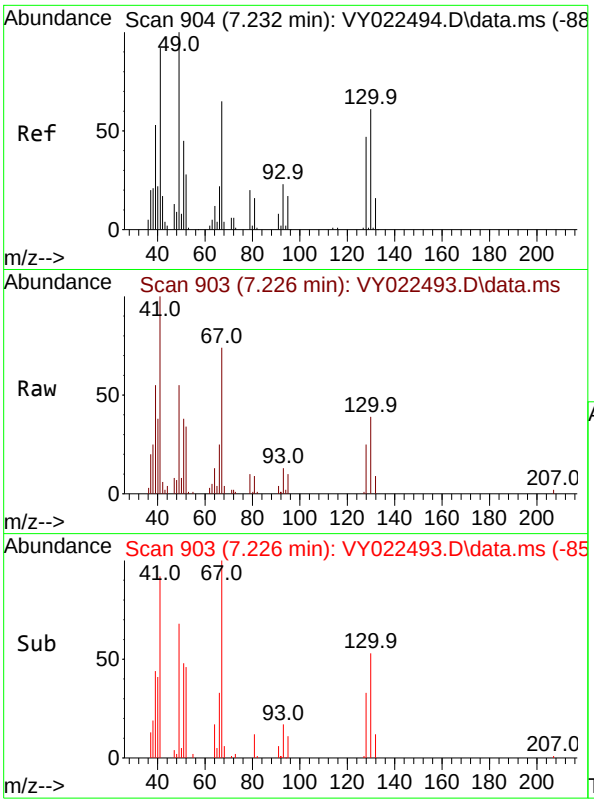


#40
Benzene
Concen: 21.000 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 78 Resp: 217595

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9

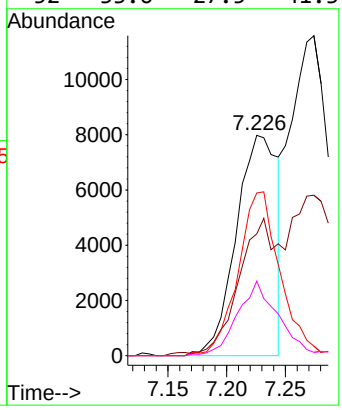




#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 1947

Ion	Ratio	Lower	Upper
41	100		
39	64.4	46.6	69.8
67	76.2	63.3	94.9
52	33.6	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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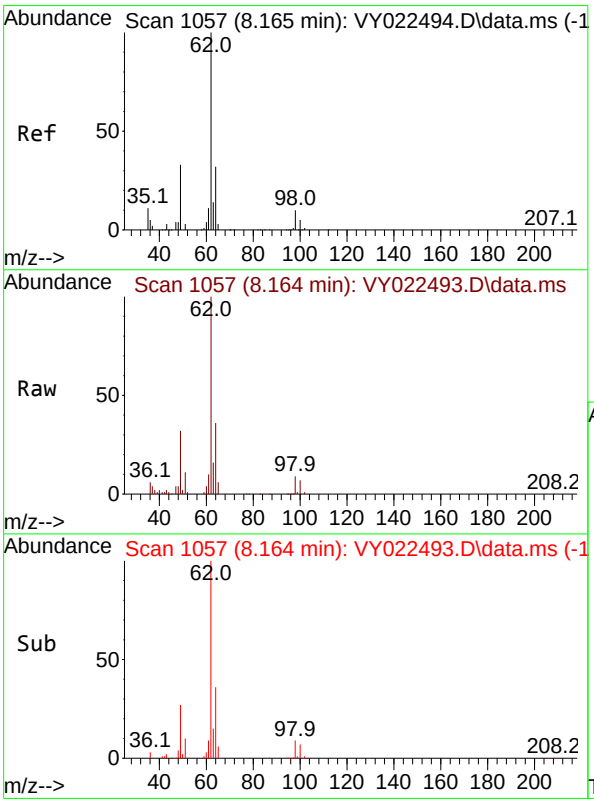
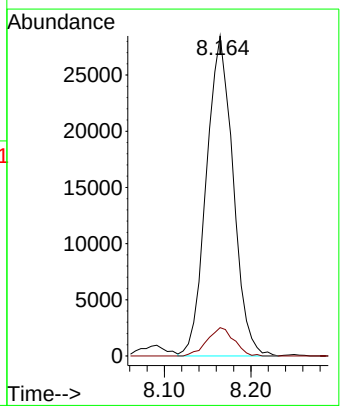
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

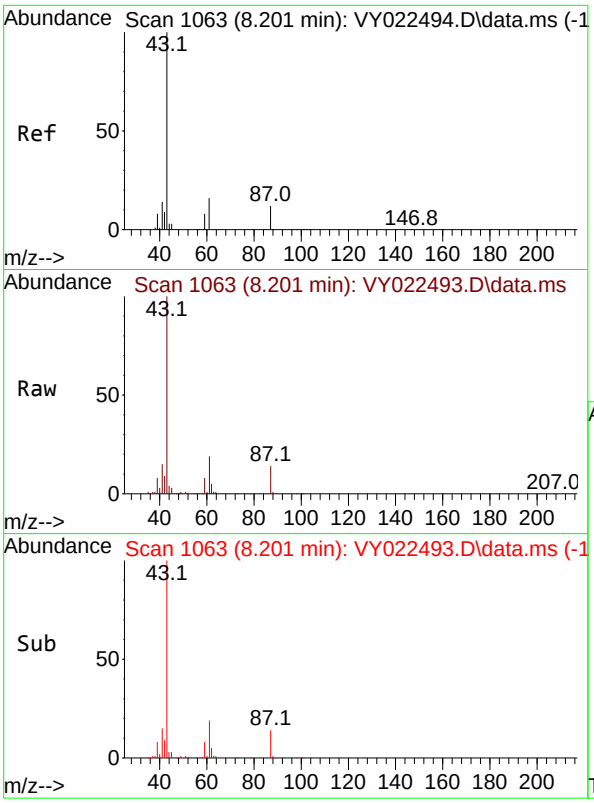


#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 61097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2

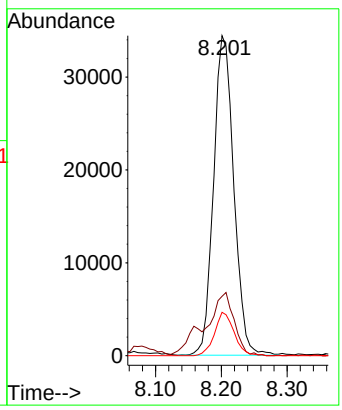




#43
Isopropyl Acetate
Concen: 21.814 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 7374

Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.6	23.4
87	13.1	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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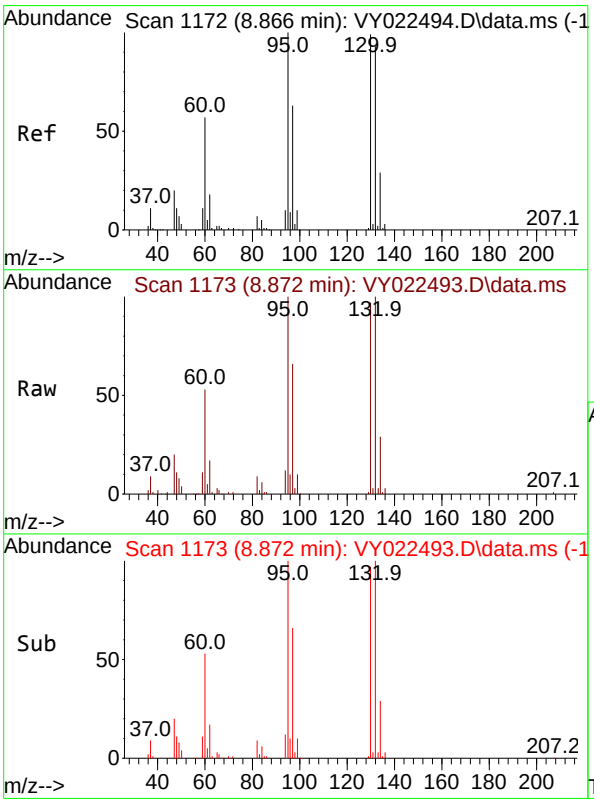
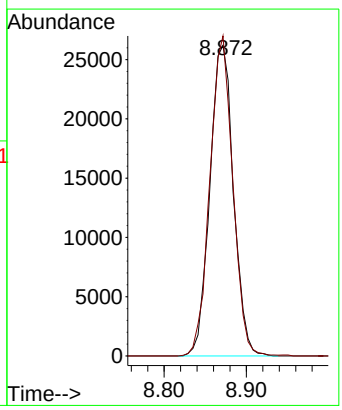
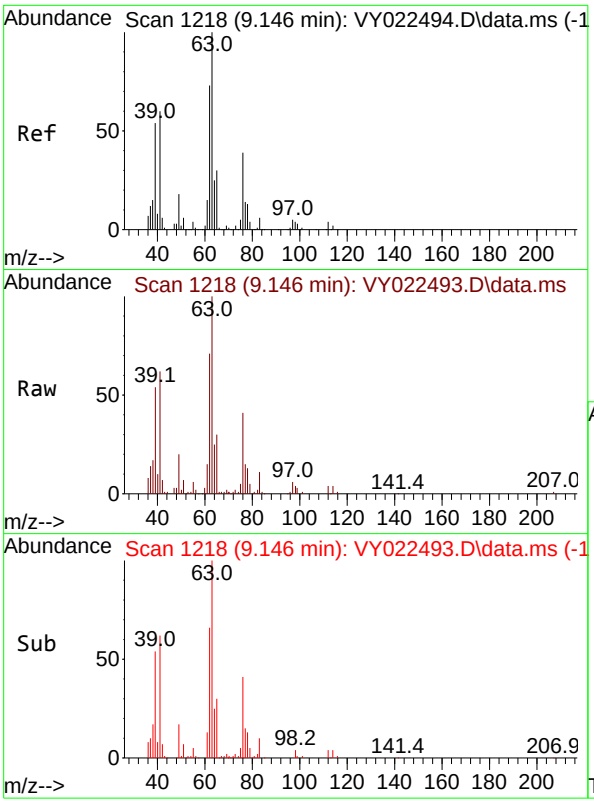


#44
Trichloroethene
Concen: 20.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:130 Resp: 52175

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.0

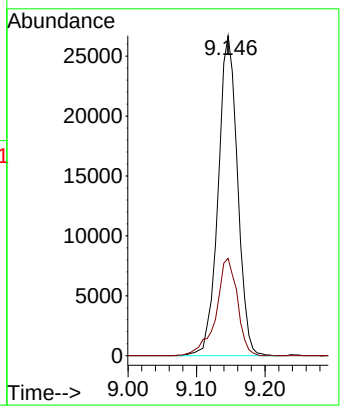




#45
1,2-Dichloropropane
Concen: 21.204 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 5237

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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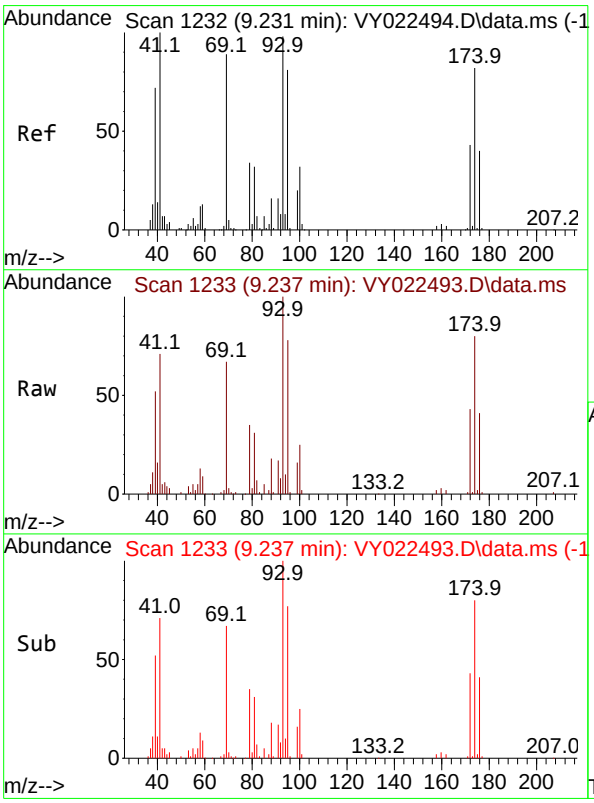
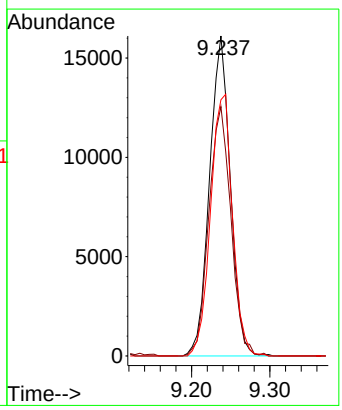
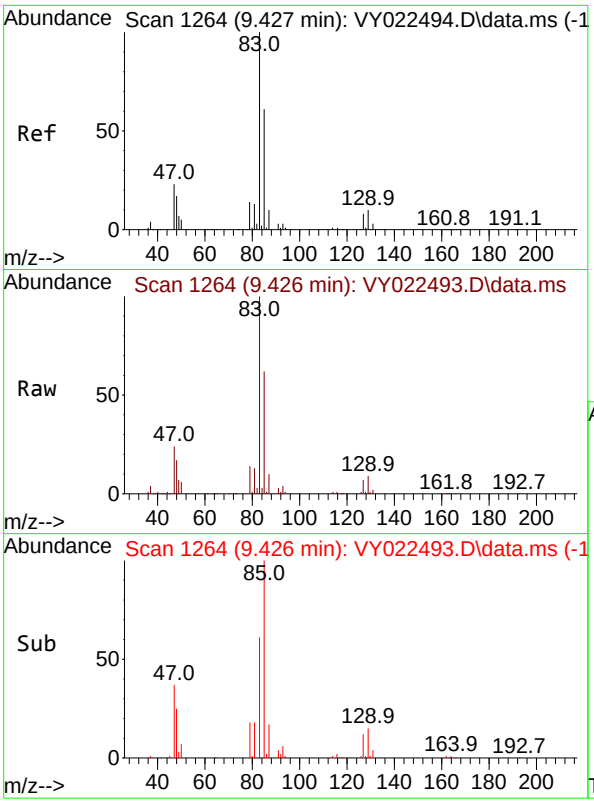


#46
Dibromomethane
Concen: 21.491 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 93 Resp: 29741

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.6	98.4
174	86.2	70.4	105.6

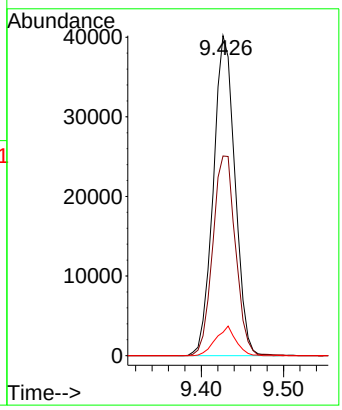




#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 7371

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.1	73.7
127	7.3	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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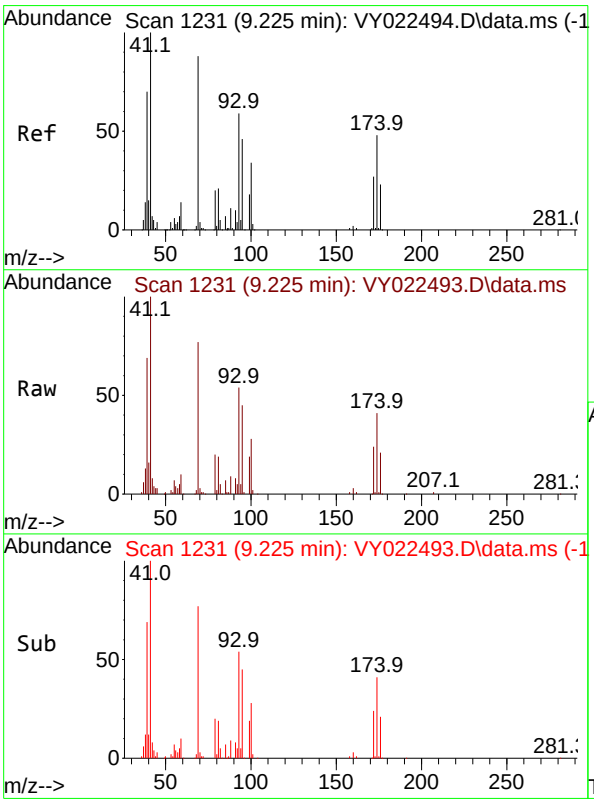
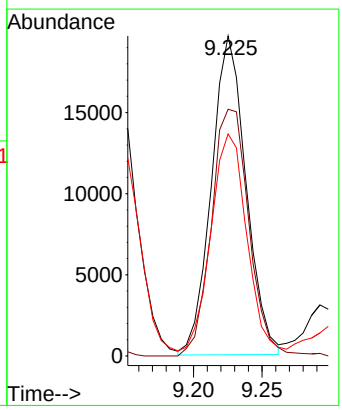
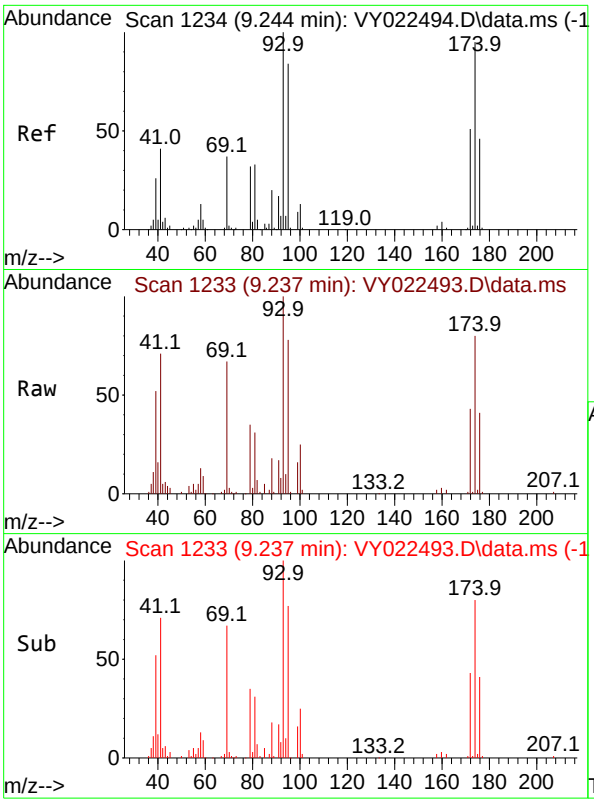


#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508

Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.8	101.8
39	69.9	55.0	82.4

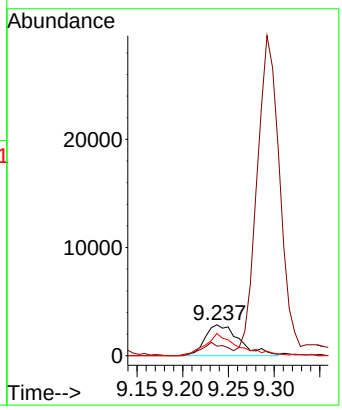




#49
1,4-Dioxane
Concen: 450.895 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 88 Resp: 744

Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.4	38.2
58	67.3	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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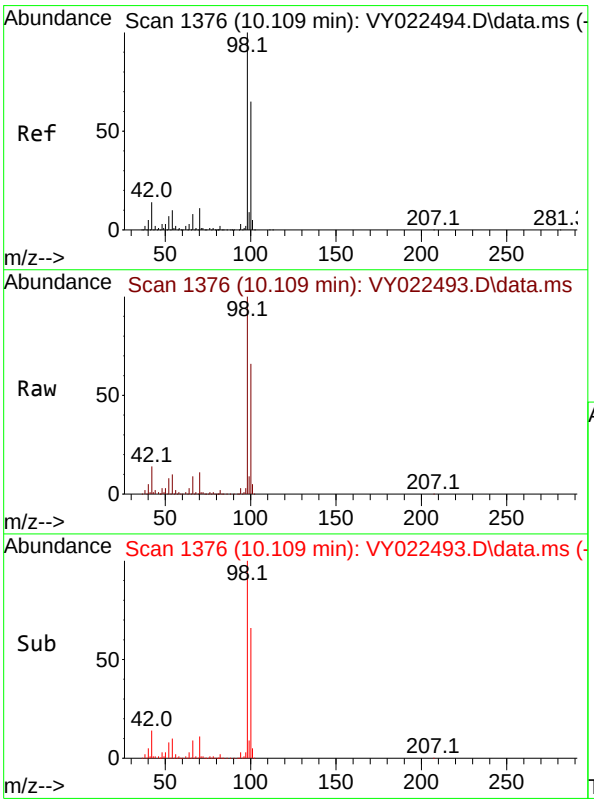
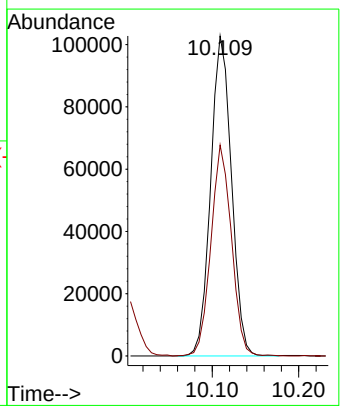
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

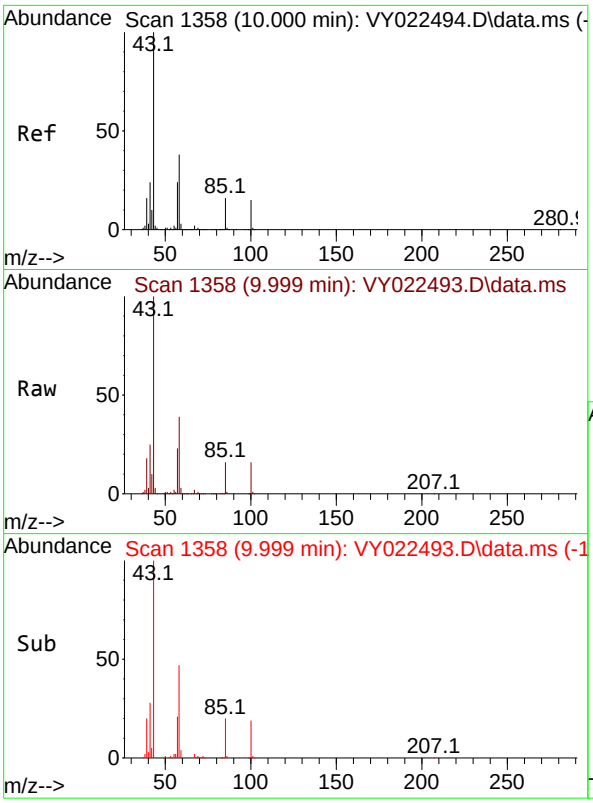


#50
Toluene-d8
Concen: 19.474 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 98 Resp: 171165

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0

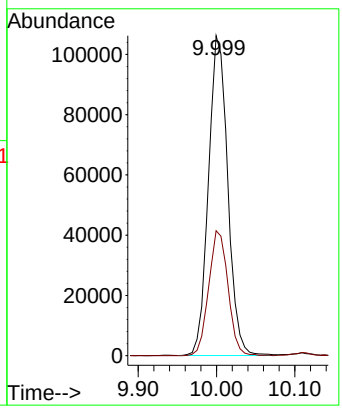




#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 18146

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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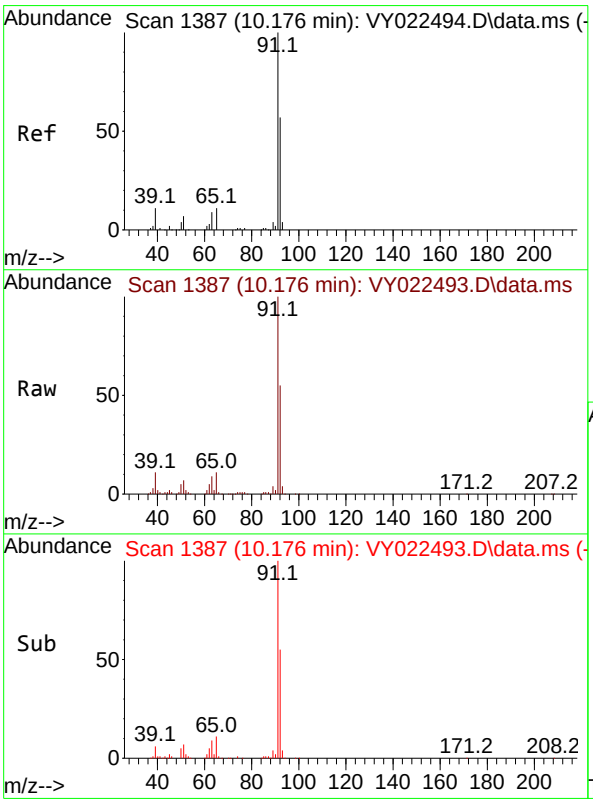
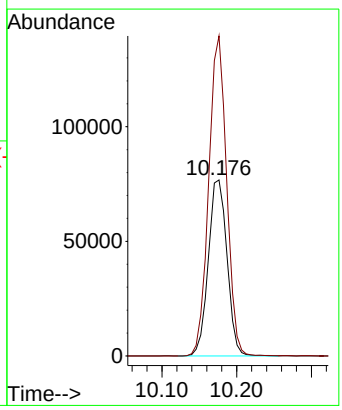
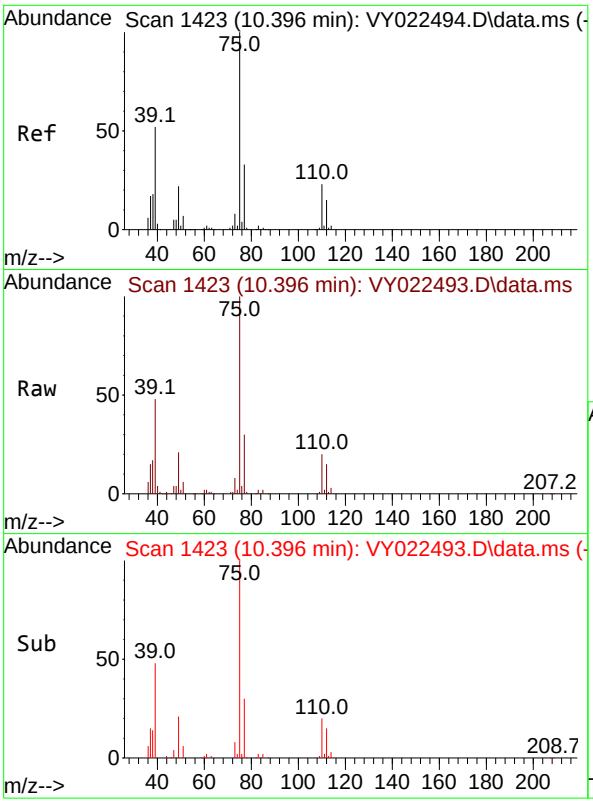


#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.0	208.4

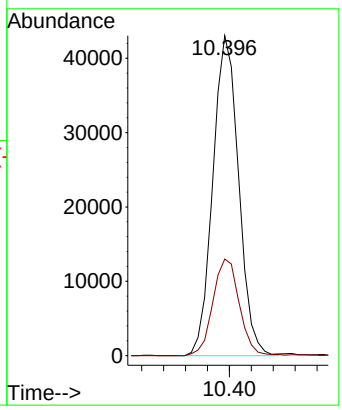




#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 7035

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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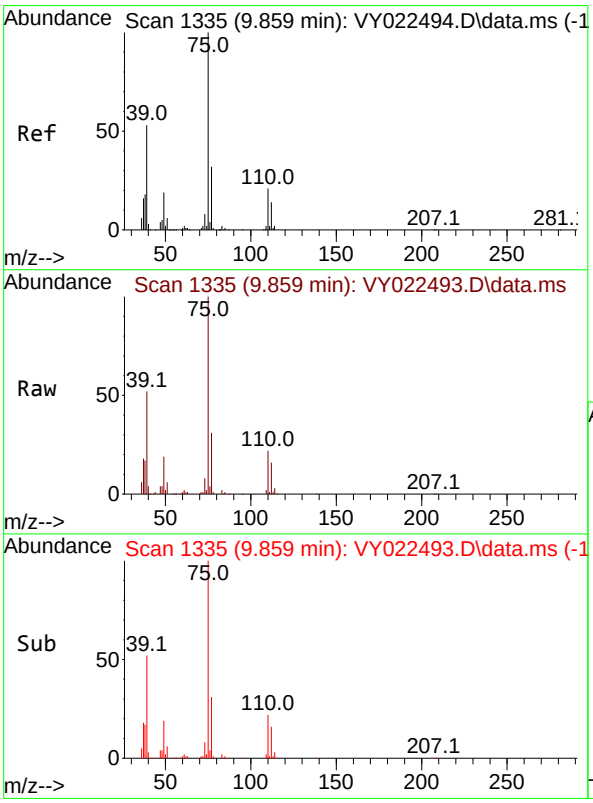
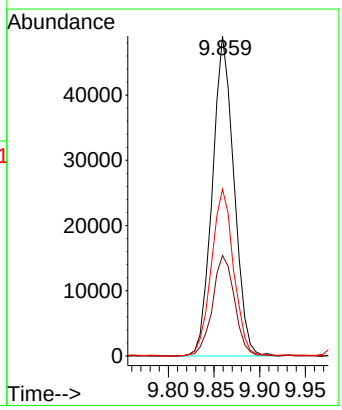
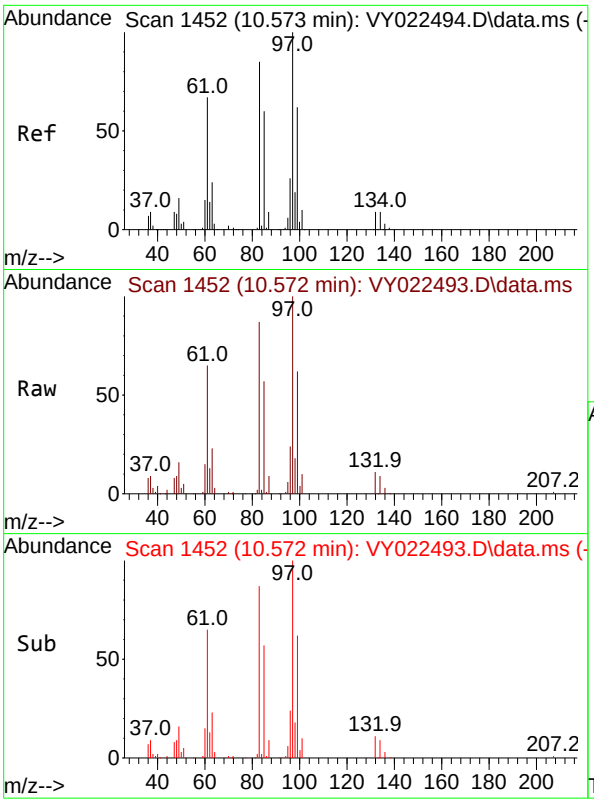


#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 80524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	52.1	42.7	64.1

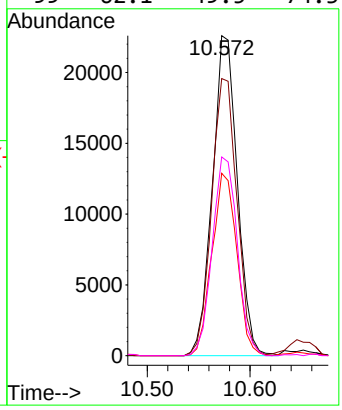




#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 3807

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	57.0	48.2	72.2
99	62.1	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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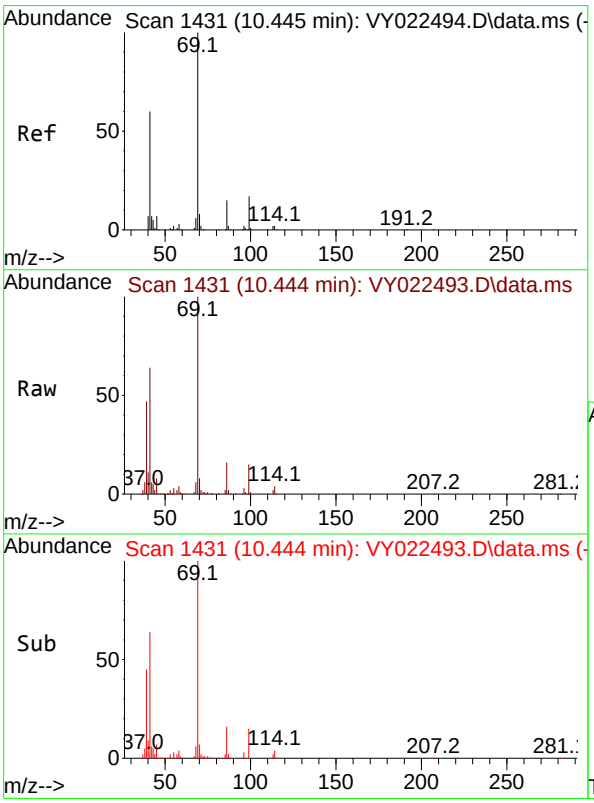
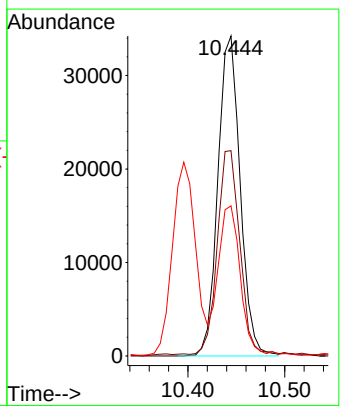
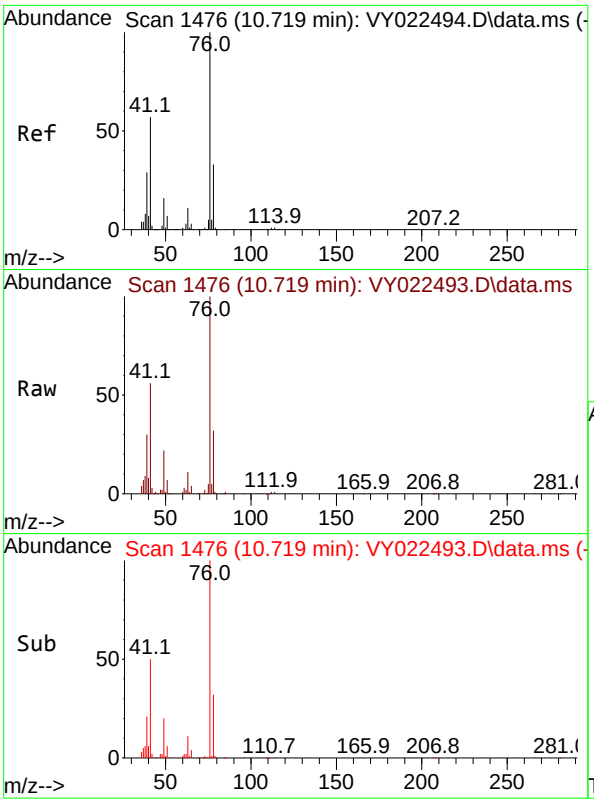


#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 69 Resp: 54734

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.2	78.2
39	46.8	36.7	55.1

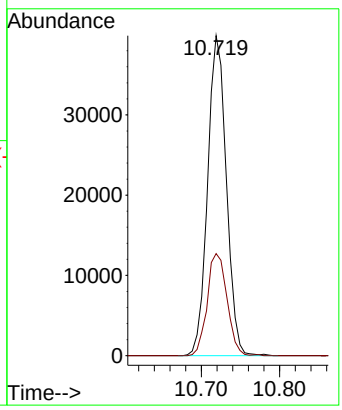




#57
1,3-Dichloropropane
Concen: 21.317 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 76 Resp: 6616

Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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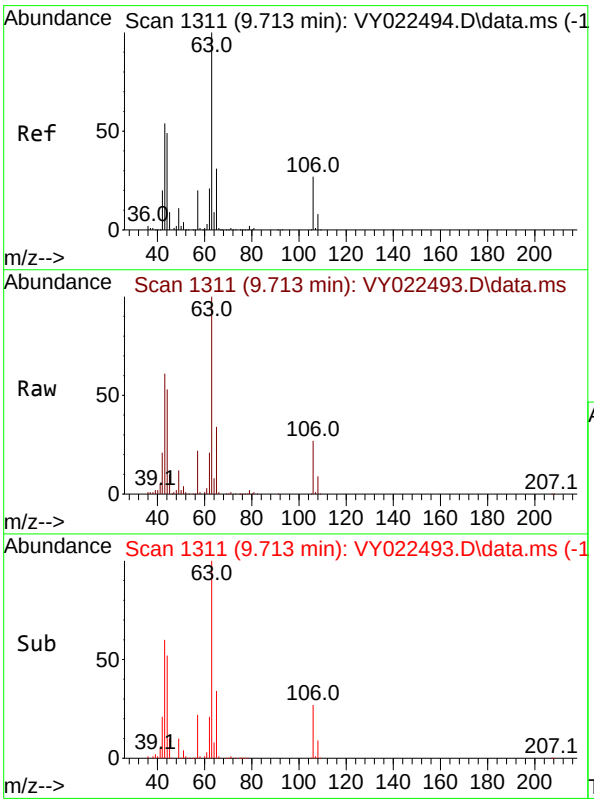
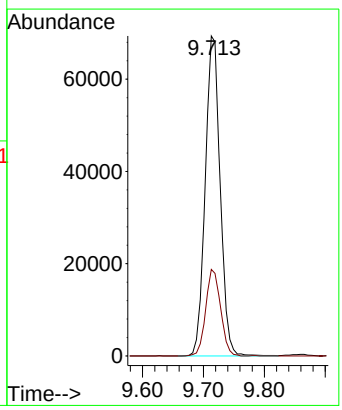
Supervised By :Mahesh Dadoda 06/03/2025

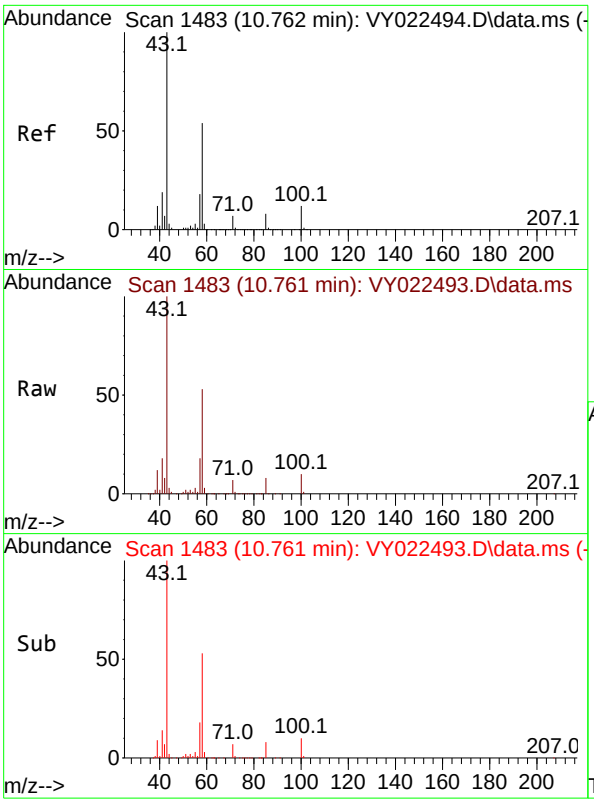


#58
2-Chloroethyl Vinyl ether
Concen: 104.797 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 118244

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4

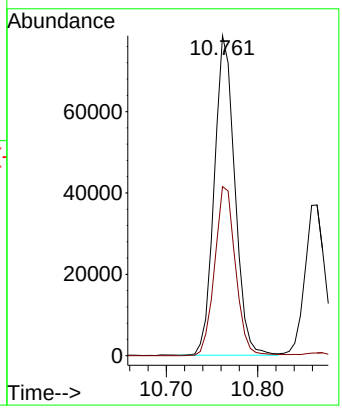




#59
2-Hexanone
Concen: 109.805 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 12281

Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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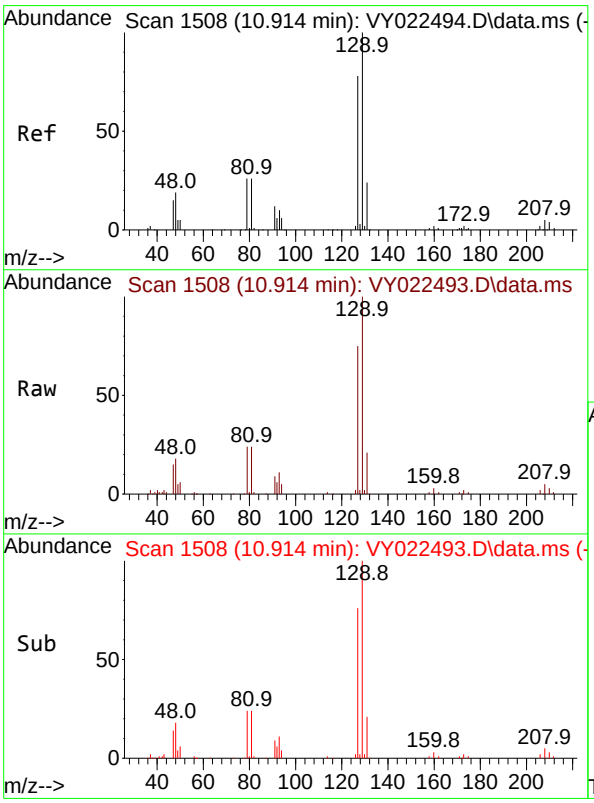
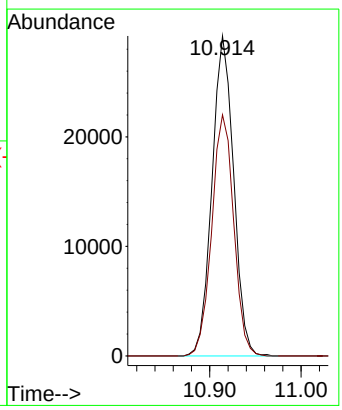
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

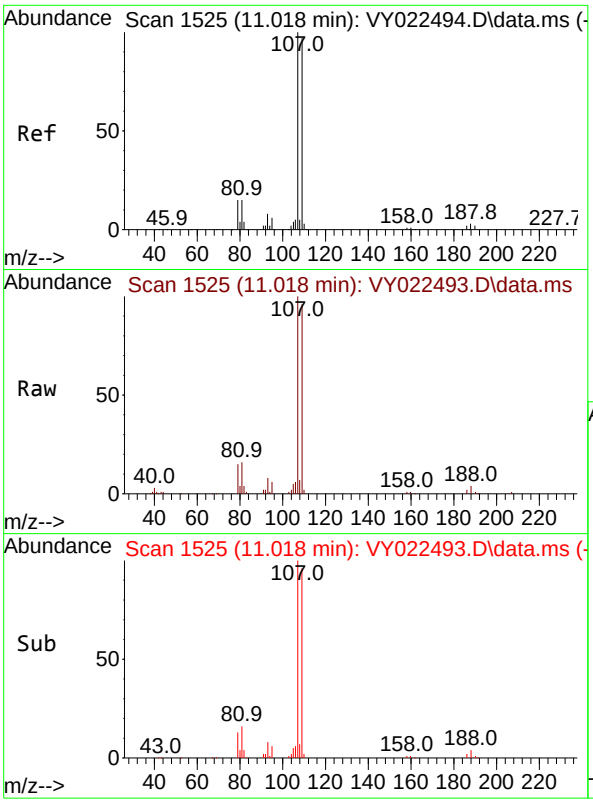


#60
Dibromochloromethane
Concen: 21.715 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:129 Resp: 47952

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2

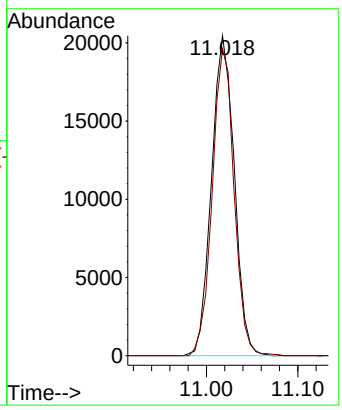




#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:107 Resp: 3532

Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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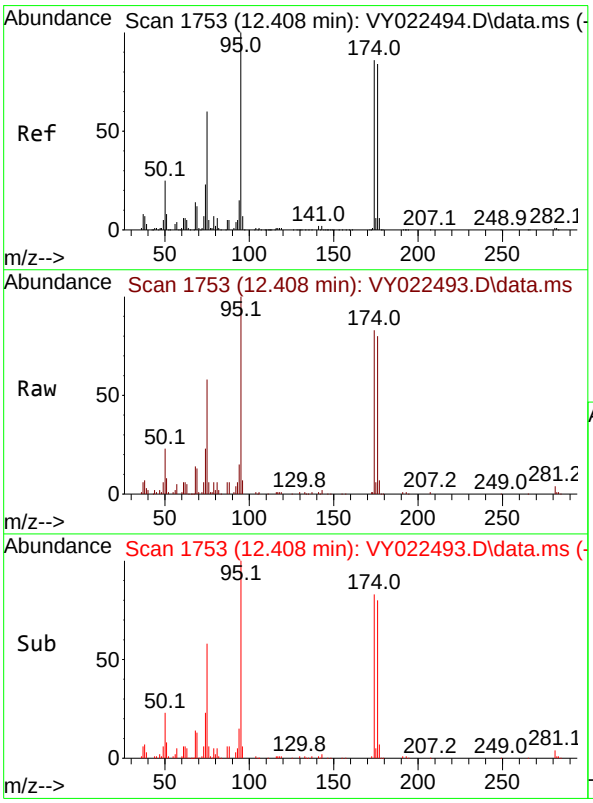
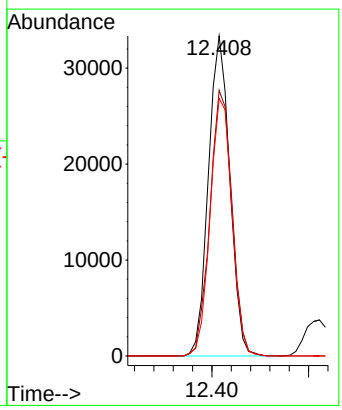
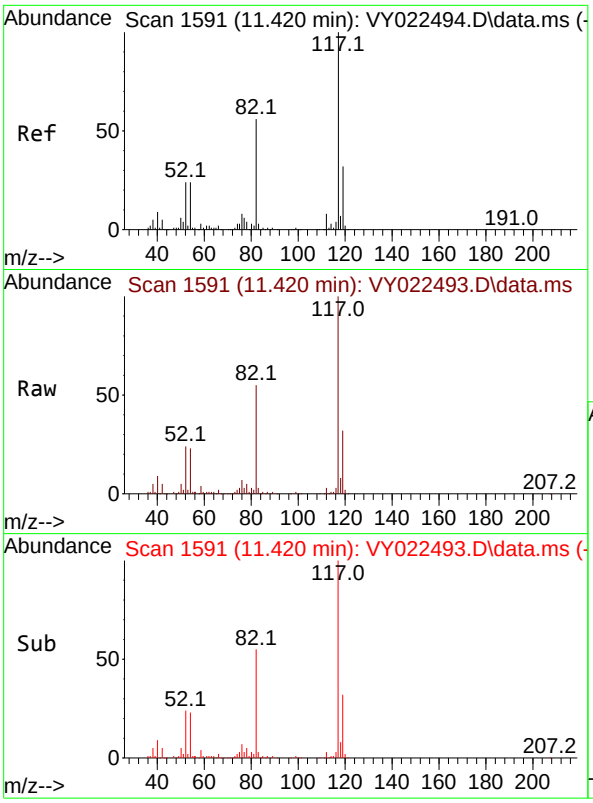


#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 95 Resp: 51231

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	170.0
176	82.3	0.0	166.2

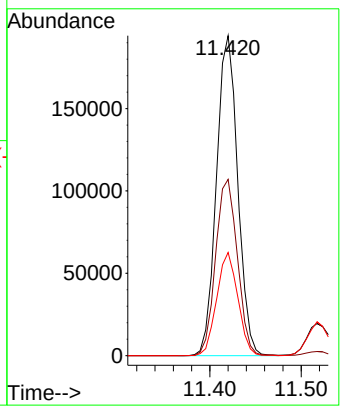




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 31427

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	32.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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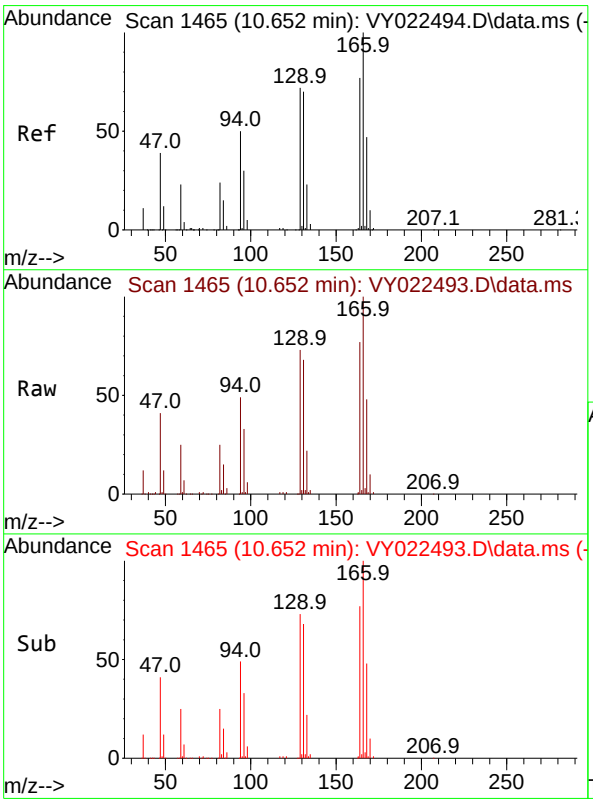
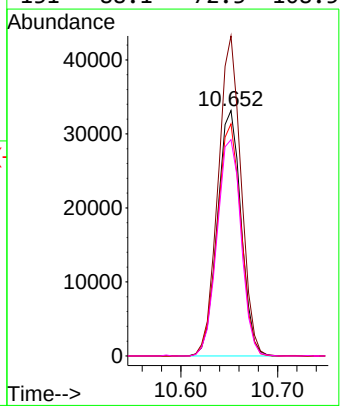
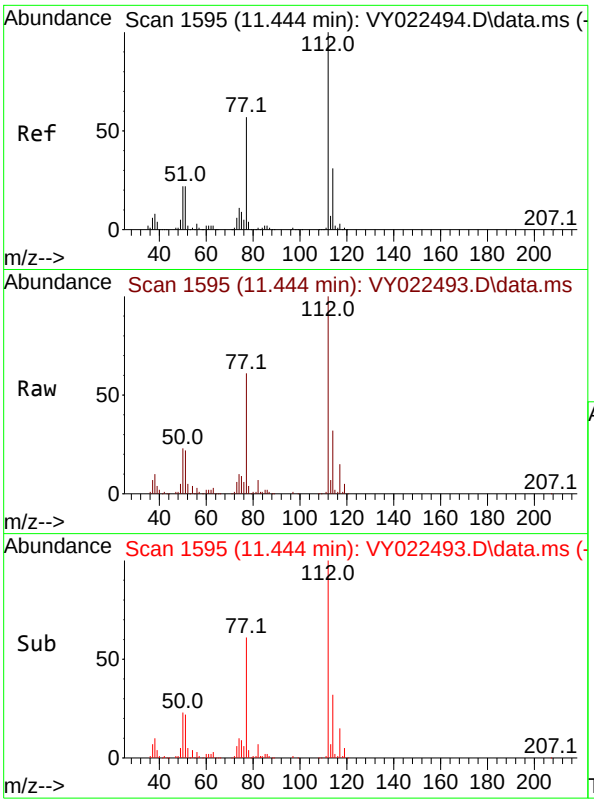


#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:164 Resp: 56256

Ion	Ratio	Lower	Upper
164	100		
166	130.3	104.0	156.0
129	94.6	74.5	111.7
131	88.1	72.3	108.5

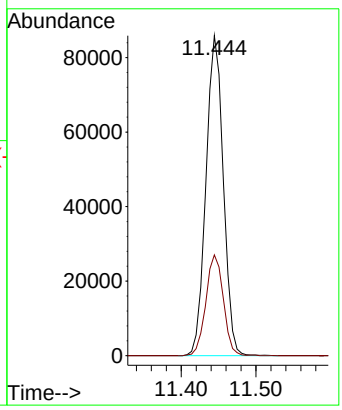




#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:112 Resp: 13858

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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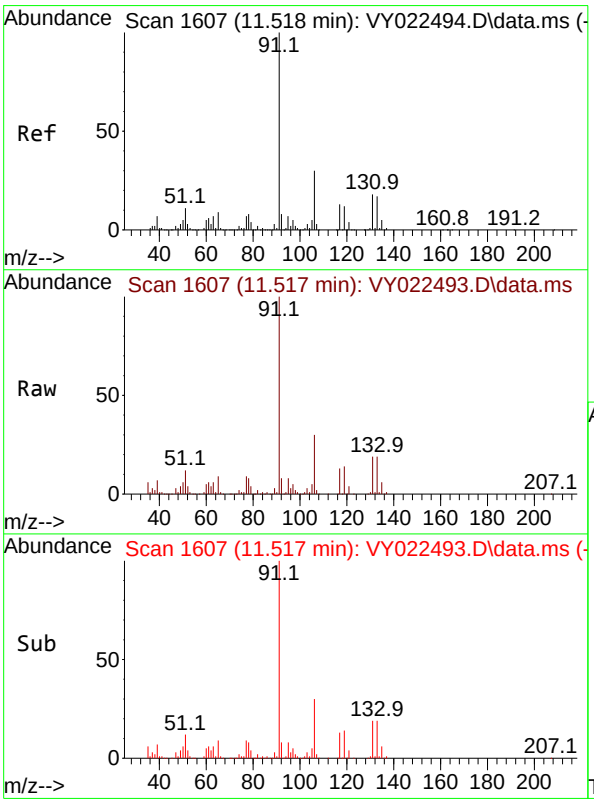
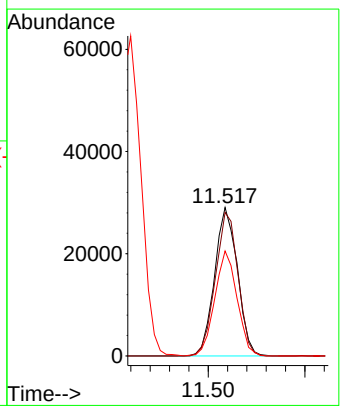
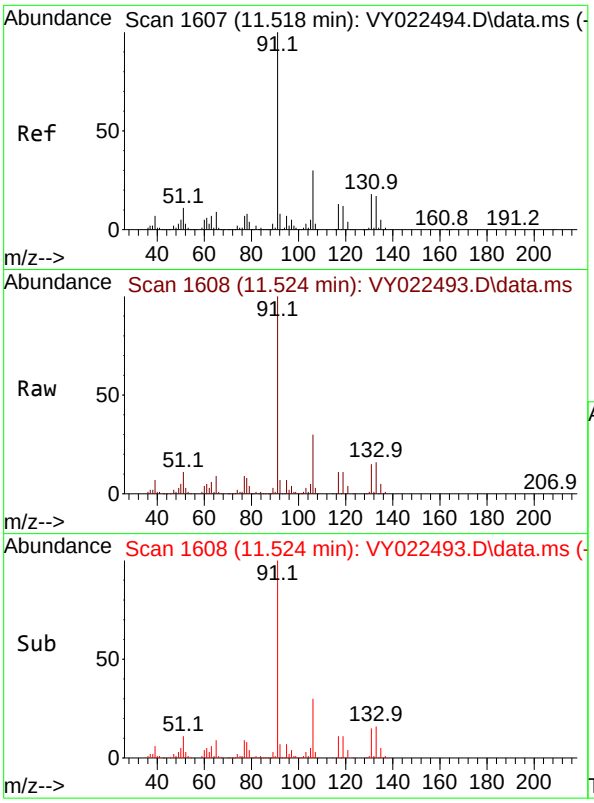


#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.8
119	68.9	33.1	99.3

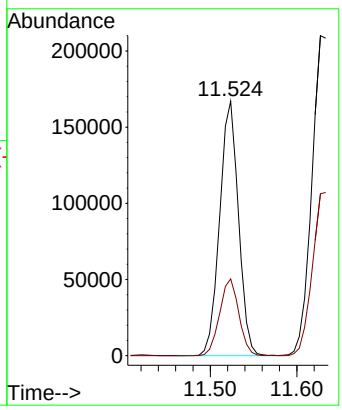




#67
Ethyl Benzene
Concen: 19.871 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 25218

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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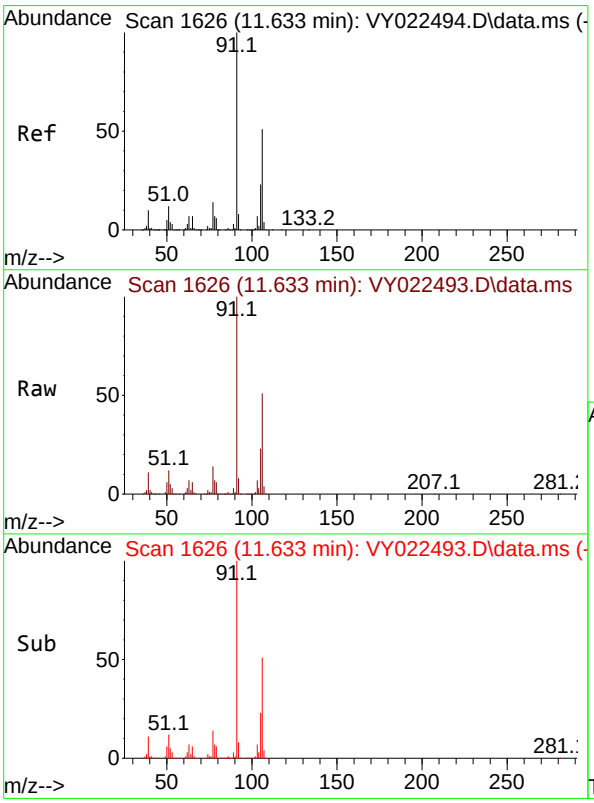
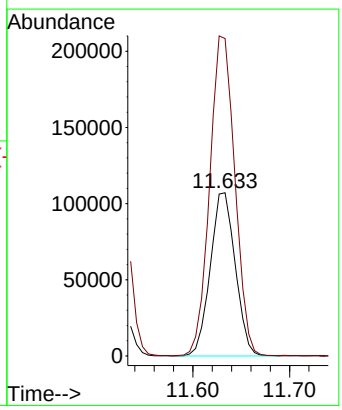
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

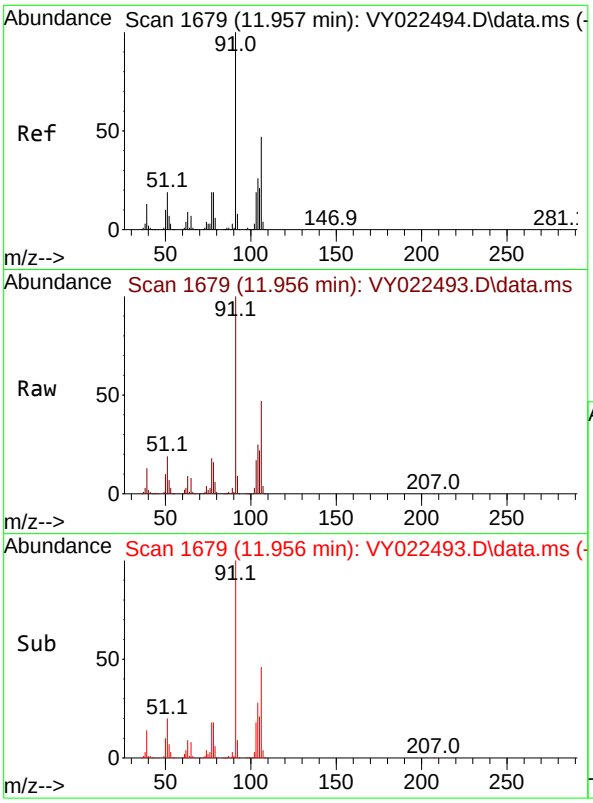


#68
m/p-Xylenes
Concen: 40.053 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 192372

Ion	Ratio	Lower	Upper
106	100		
91	197.2	159.4	239.0

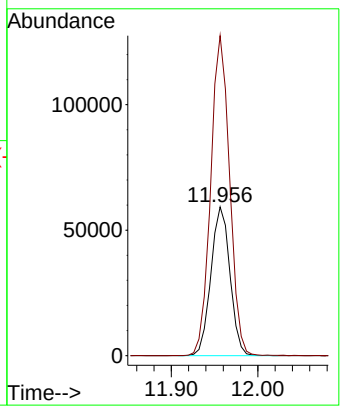




#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 9059

Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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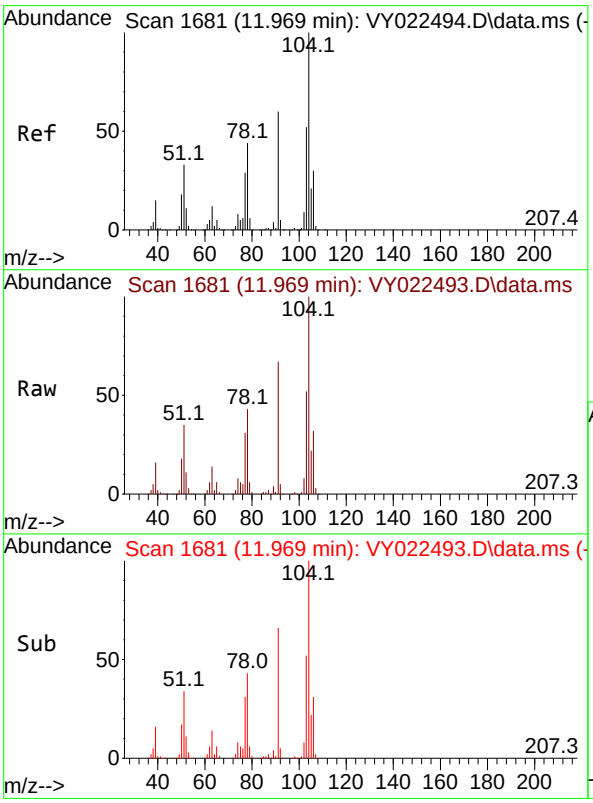
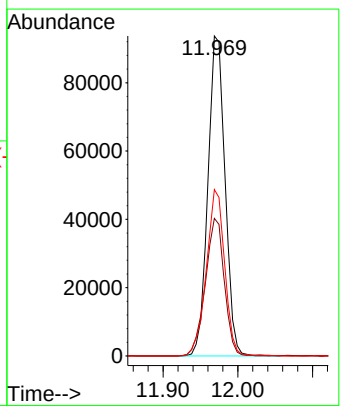
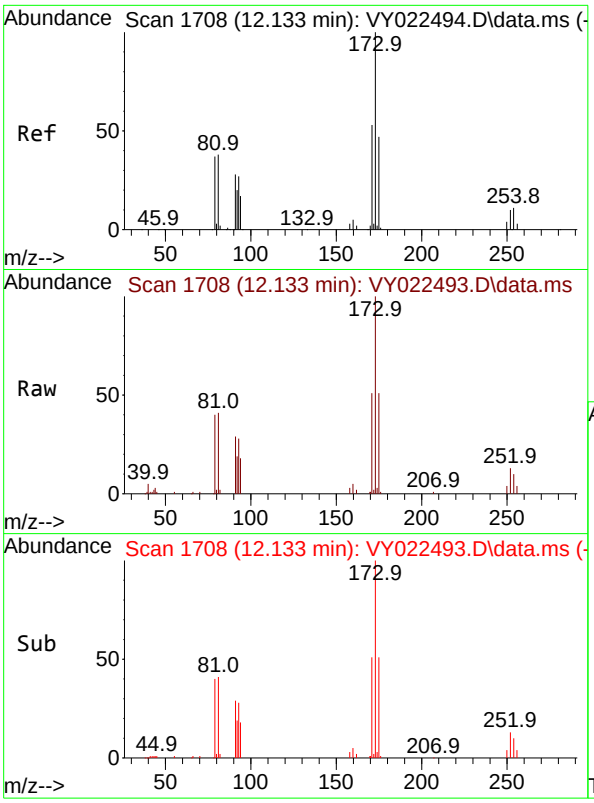


#70
Styrene
Concen: 20.086 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:104 Resp: 149486

Ion	Ratio	Lower	Upper
104	100		
78	47.5	39.5	59.3
103	55.4	44.1	66.1

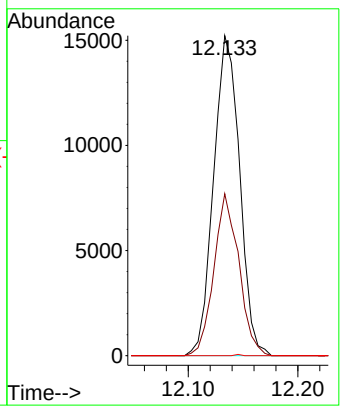




#71
Bromoform
Concen: 20.668 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:173 Resp: 2508

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.1	0.0	0.0



Instrument :
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ClientSampleId :
VSTDICC020

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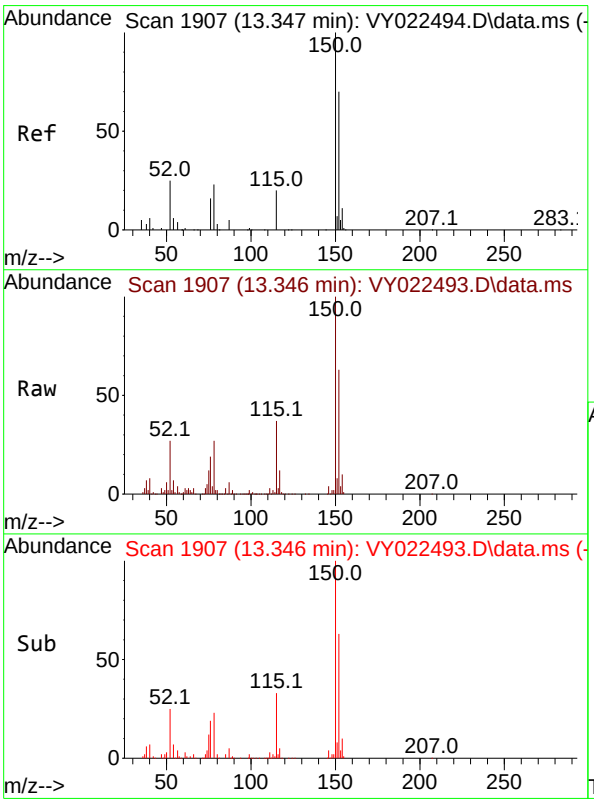
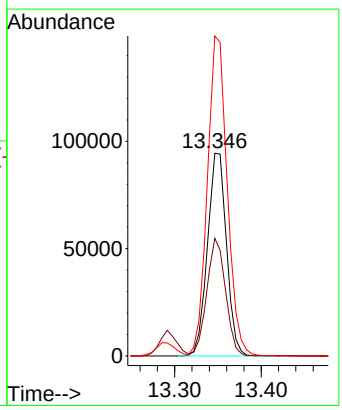
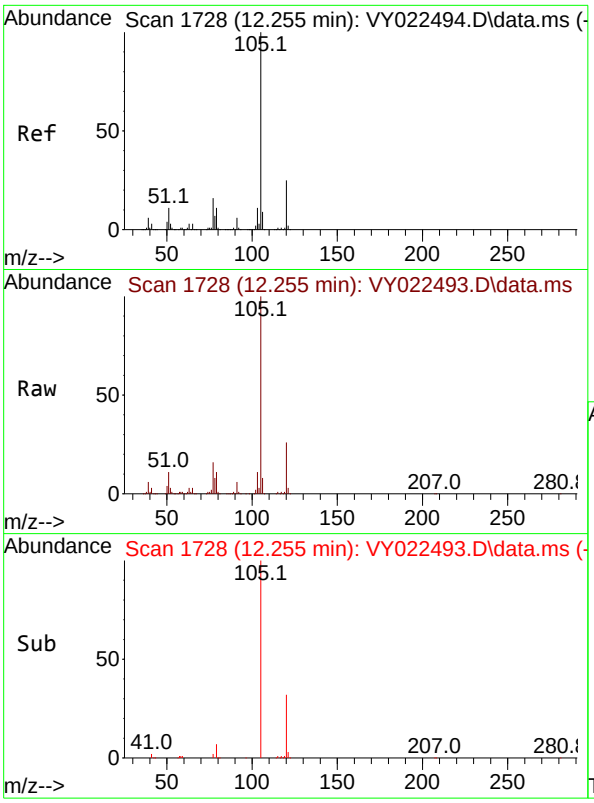


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:152 Resp: 144385

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	164.8	0.0	349.6

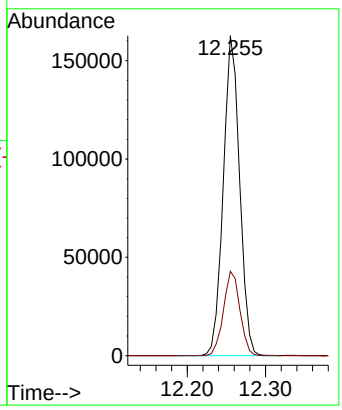




#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 23618

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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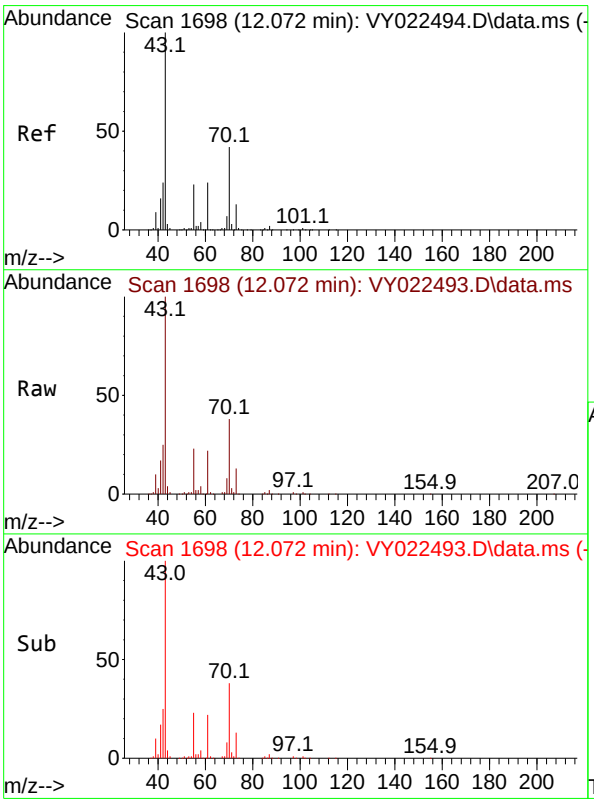
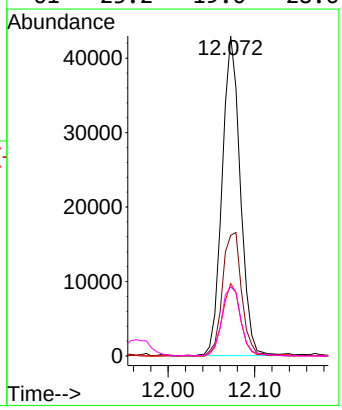
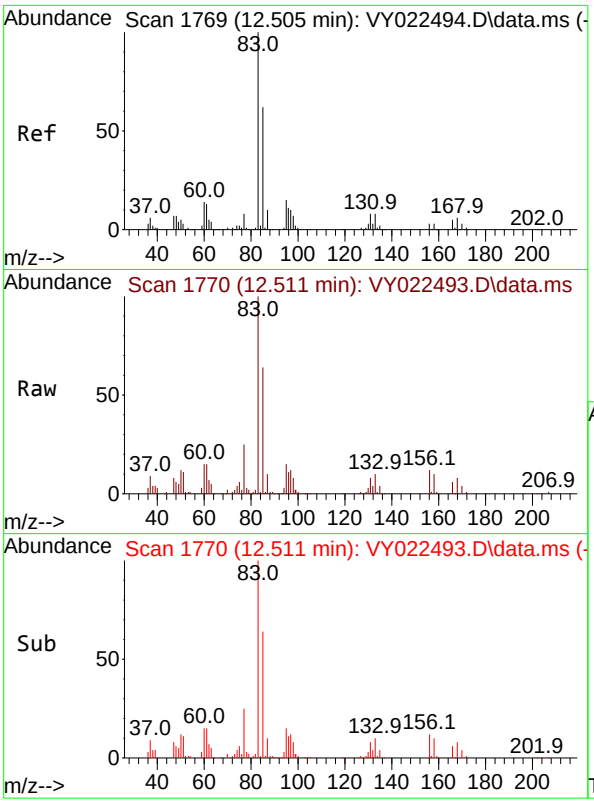


#74
N-amyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 62437

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	22.6	18.2	27.4
61	23.2	19.0	28.6

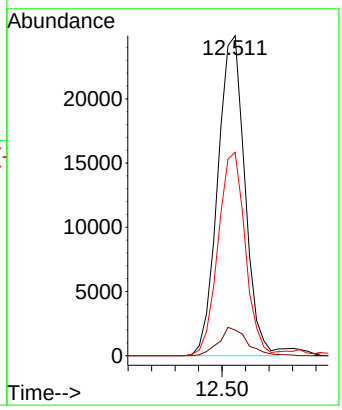




#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 3998

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.8	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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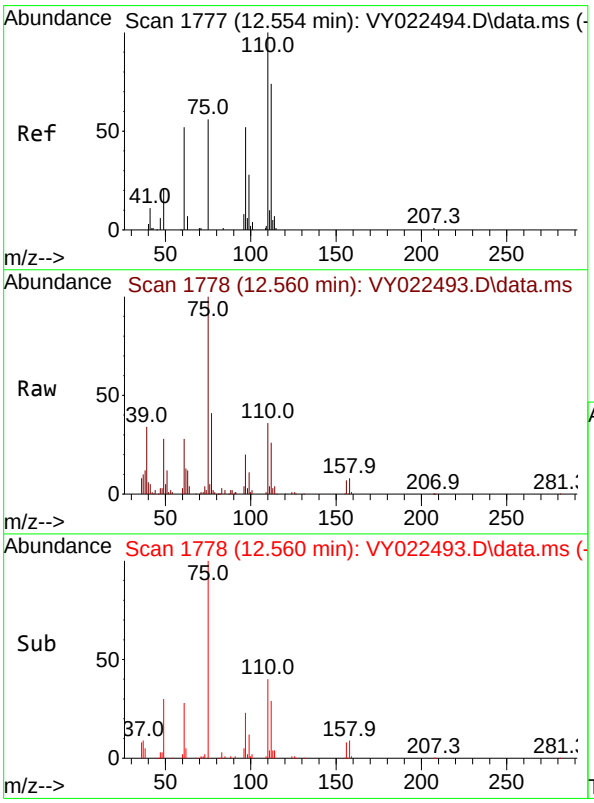
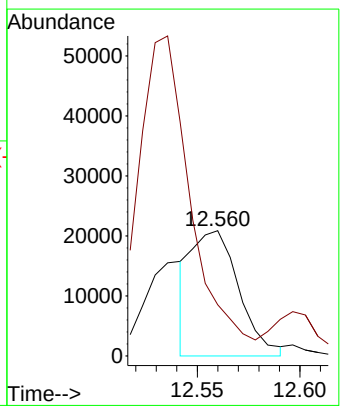
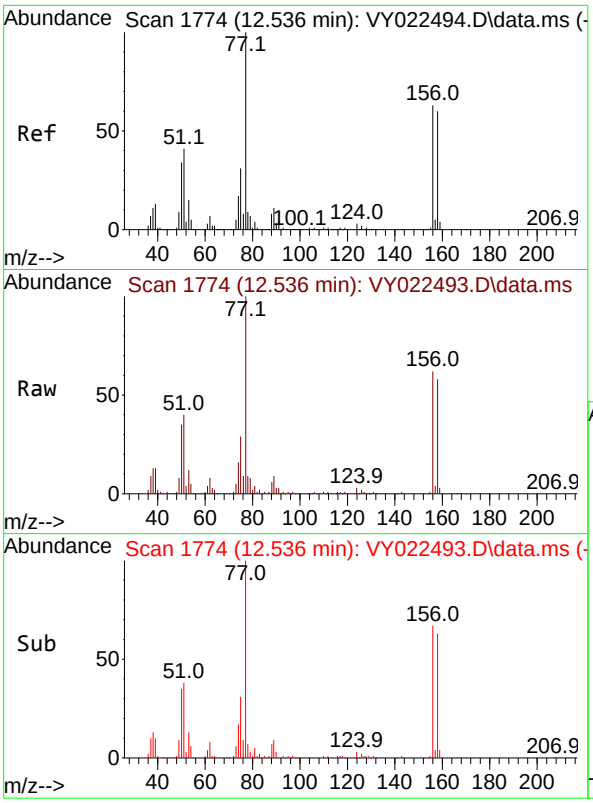


#76
1,2,3-Trichloropropane
Concen: 17.622 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 33589

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

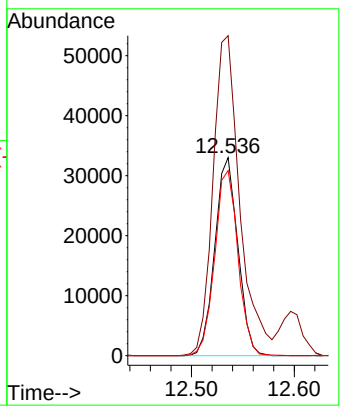




#77
Bromobenzene
Concen: 20.853 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:156 Resp: 5141

Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.0	282.1
158	94.2	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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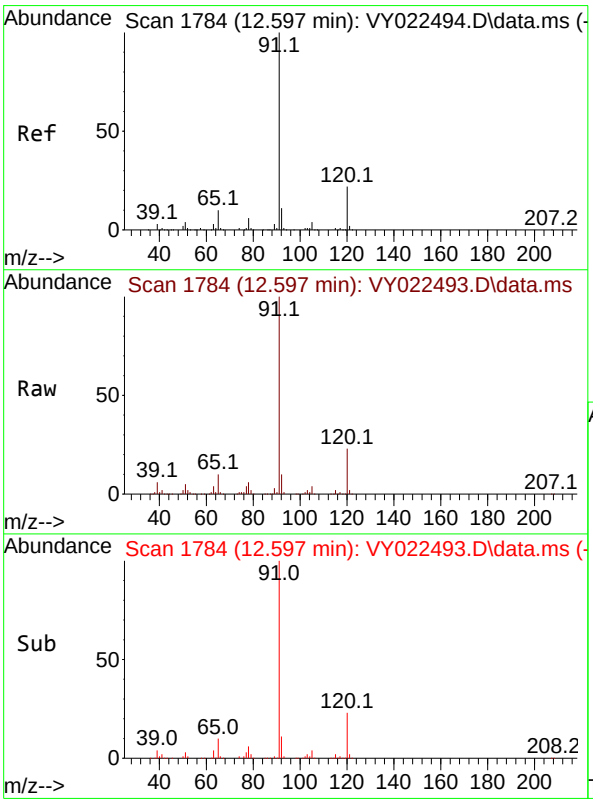
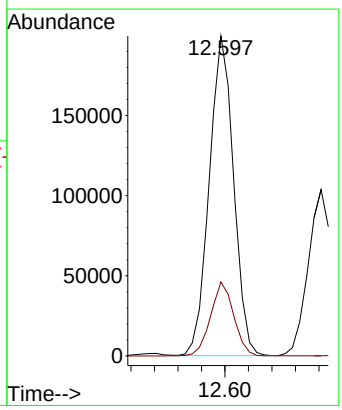
Supervised By :Mahesh Dadoda 06/03/2025

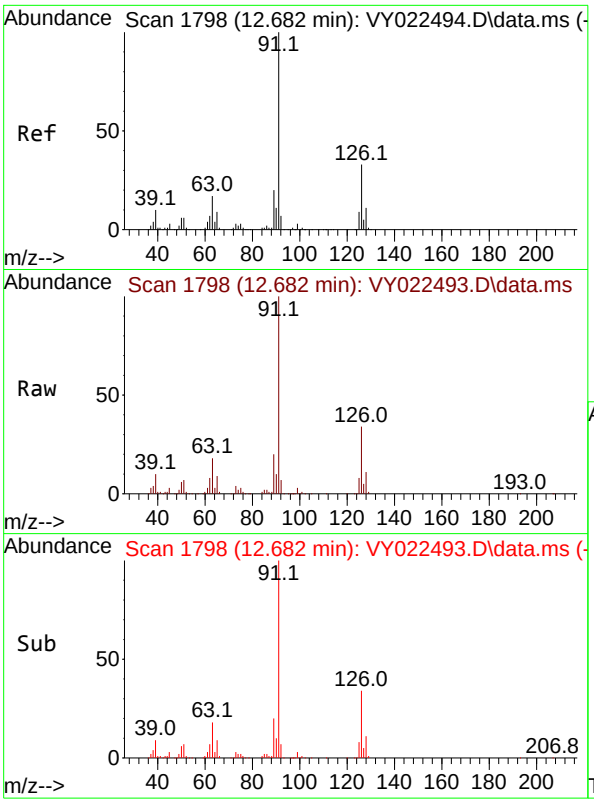


#78
n-propylbenzene
Concen: 20.239 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 286589

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

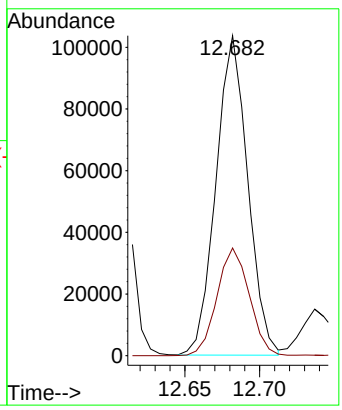




#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 15325

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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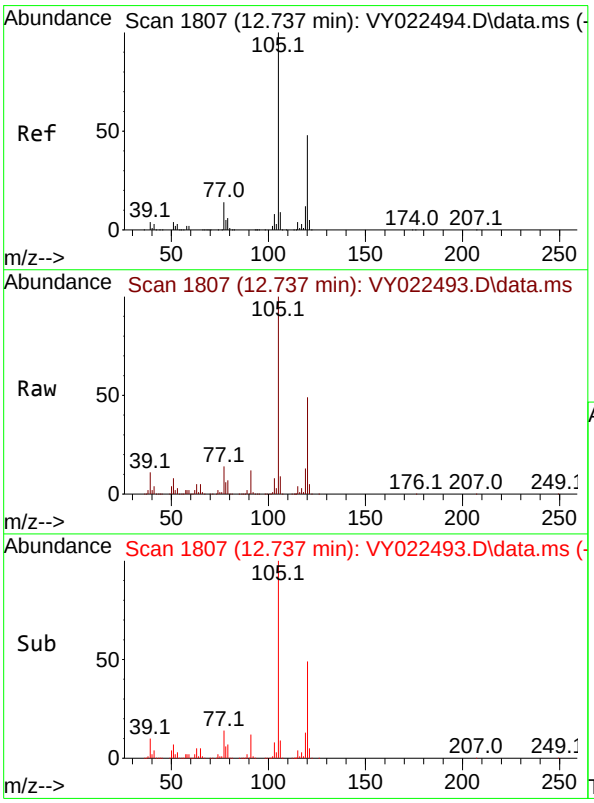
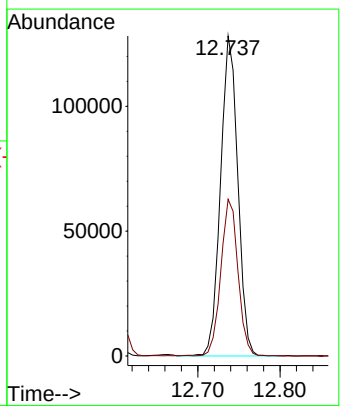
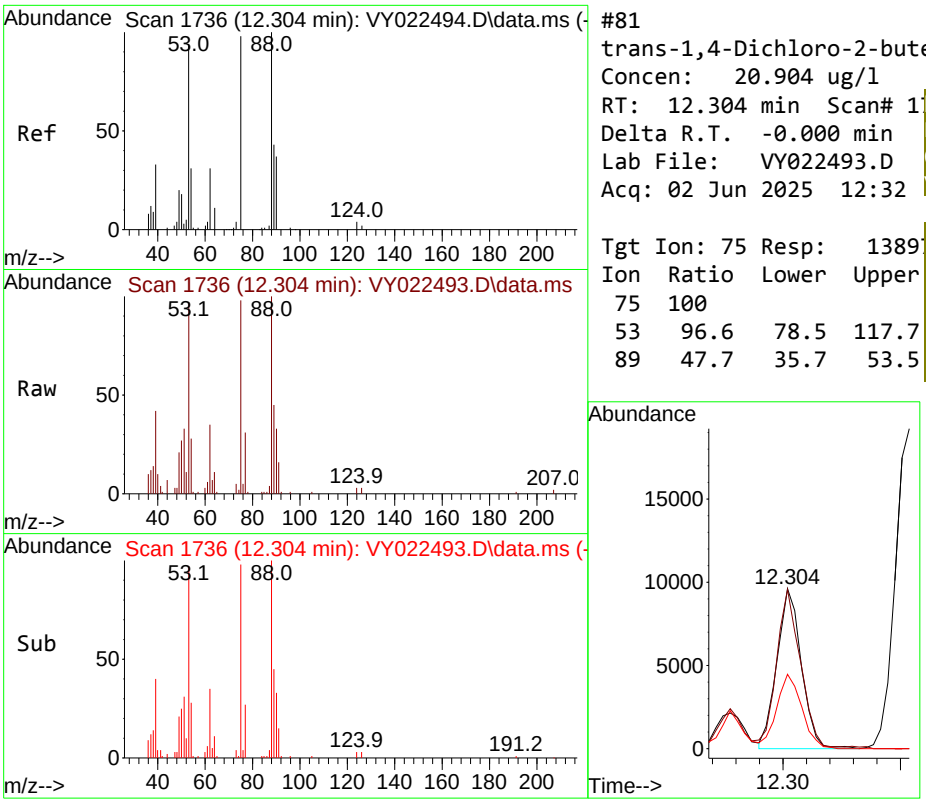


#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 187101

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 1389

Ion	Ratio	Lower	Upper
75	100		
53	96.6	78.5	117.7
89	47.7	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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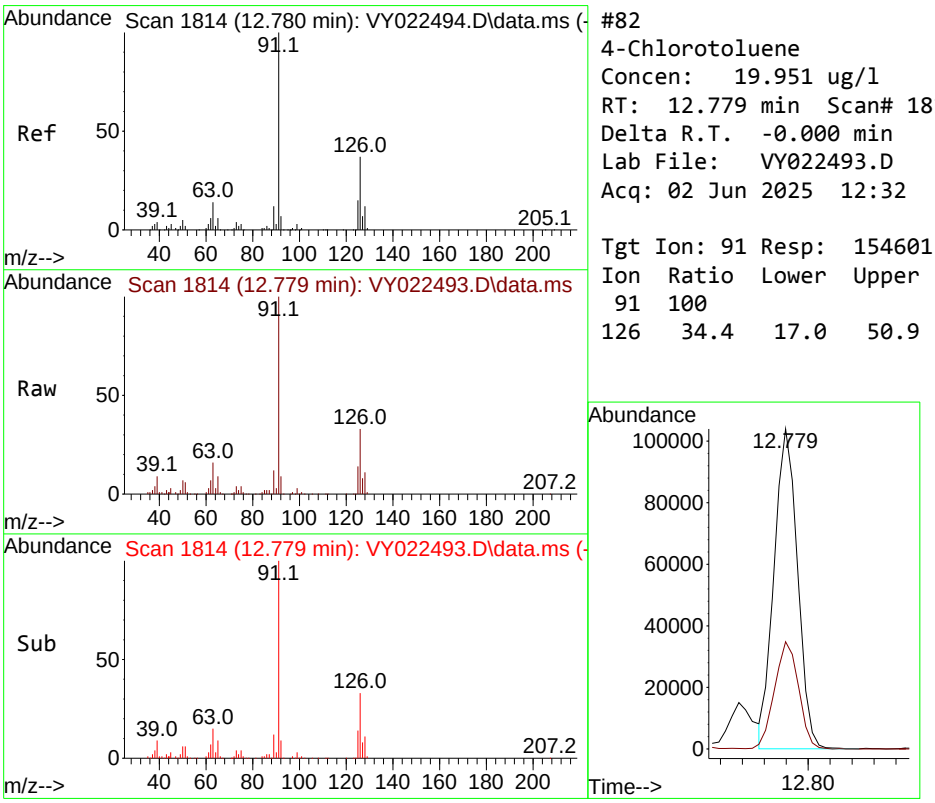
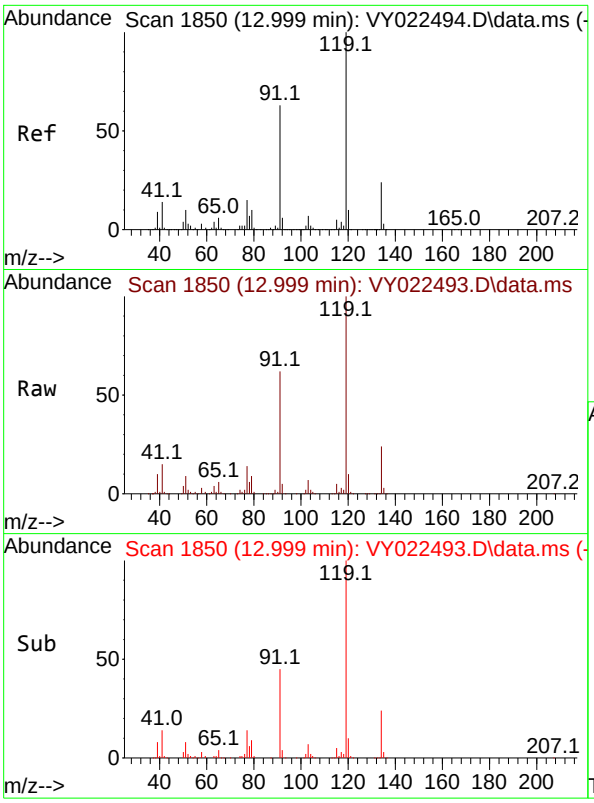


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601

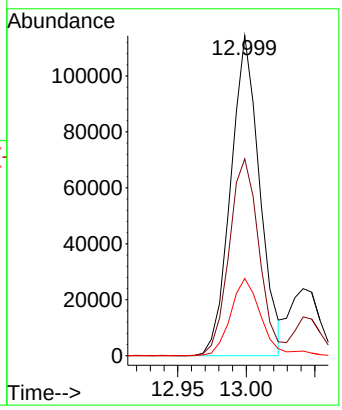
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9



#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 16751

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	25.7	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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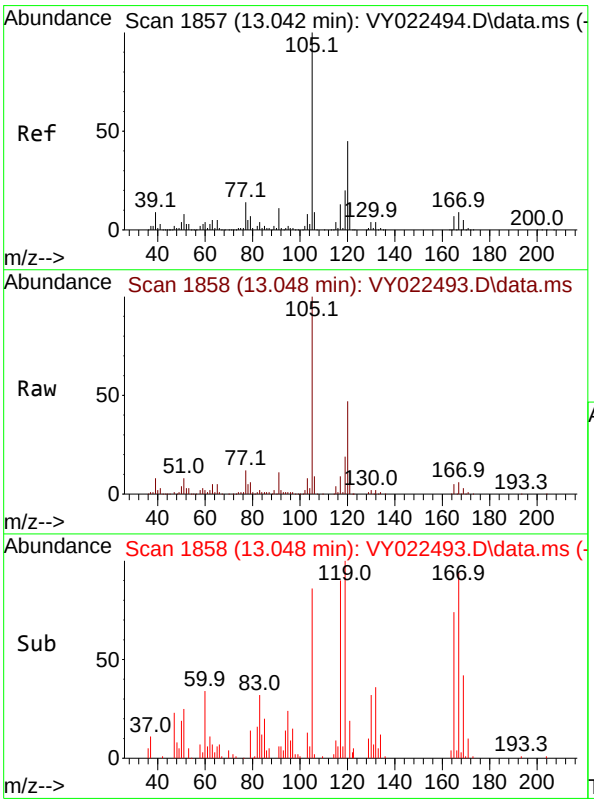
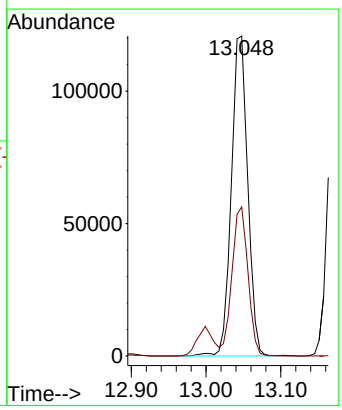
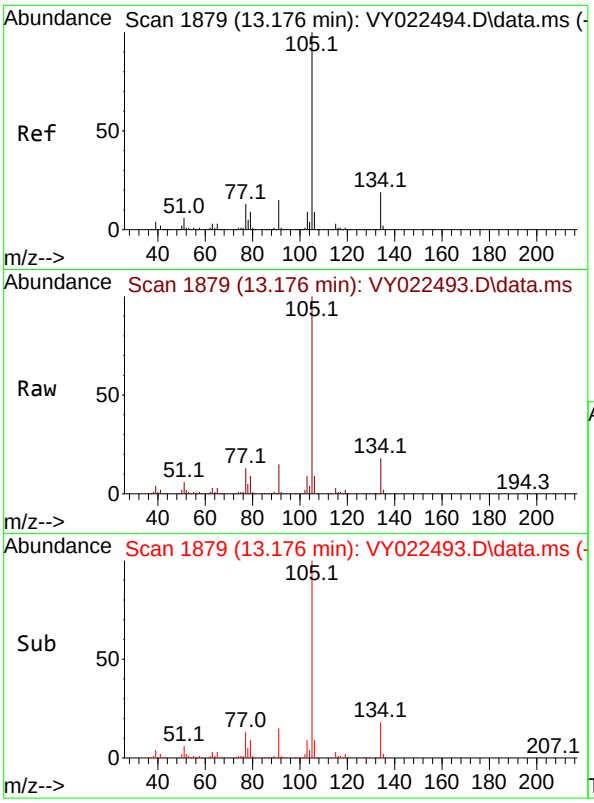


#84
1,2,4-Trimethylbenzene
Concen: 20.241 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 184202

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1

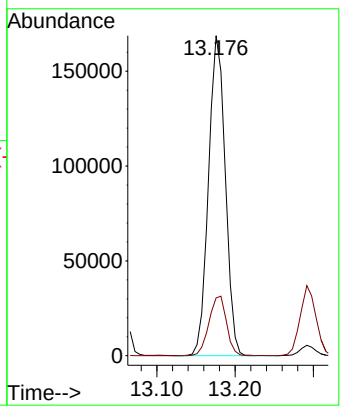




#85
sec-Butylbenzene
Concen: 19.979 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 25135

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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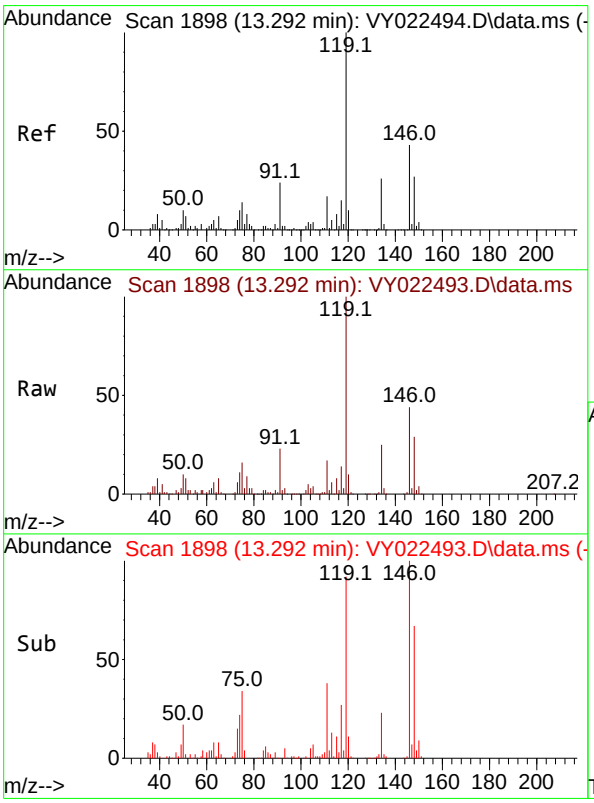
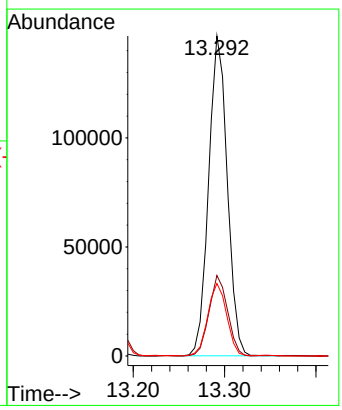
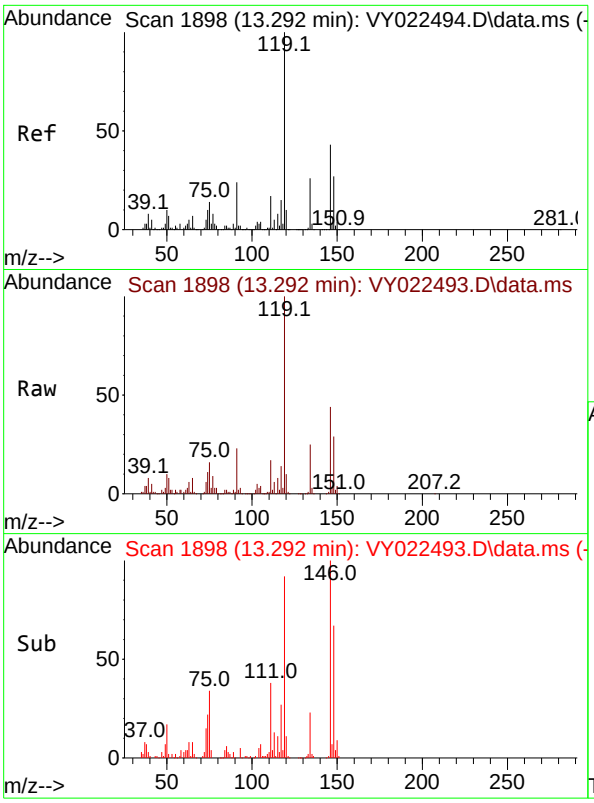


#86
p-Isopropyltoluene
Concen: 20.054 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 207417

Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.1	39.1
91	22.8	11.6	34.8

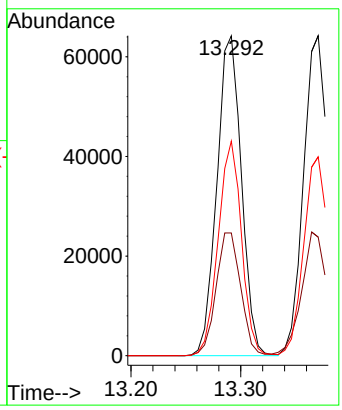




#87
1,3-Dichlorobenzene
Concen: 20.252 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 9990

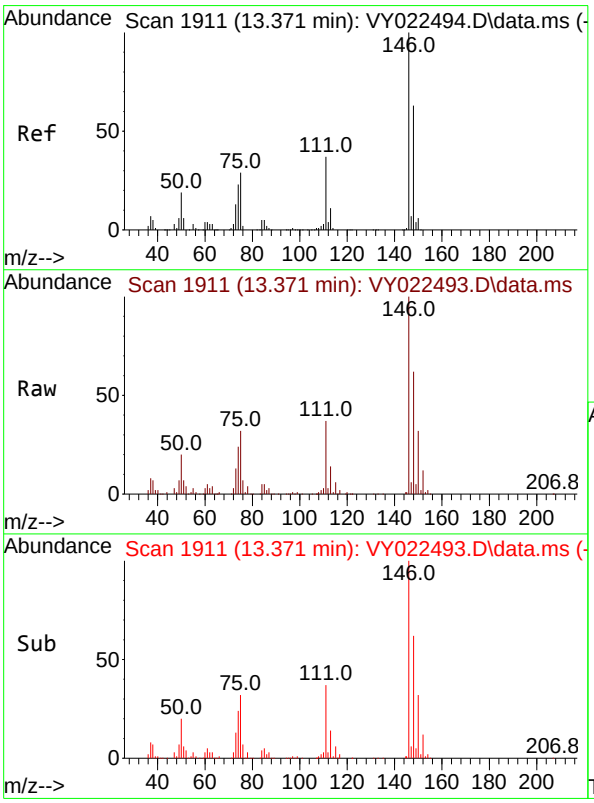
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

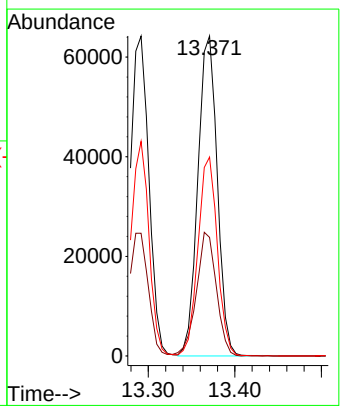
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

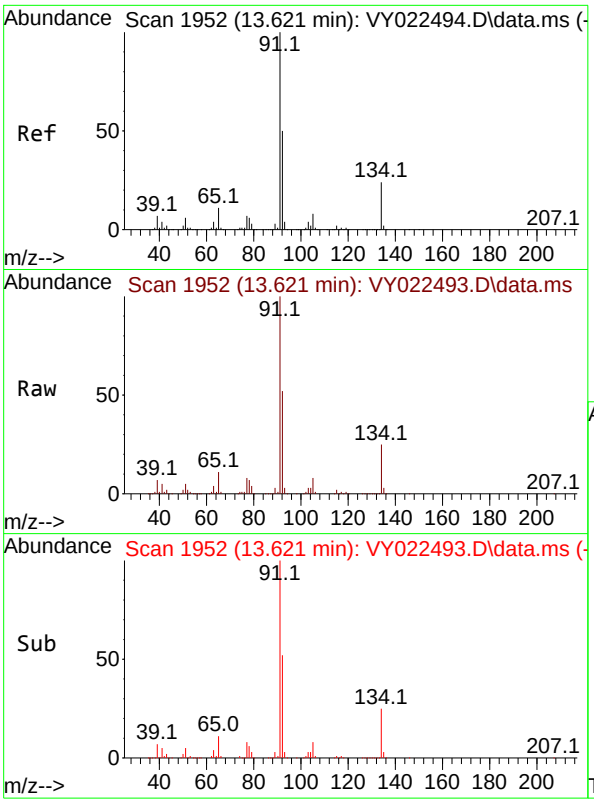


#88
1,4-Dichlorobenzene
Concen: 20.823 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 100082

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	62.1	31.6	94.8

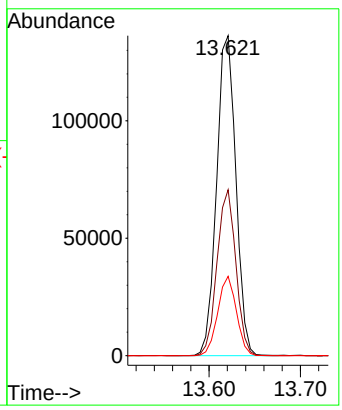




#89
n-Butylbenzene
Concen: 20.287 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 19978

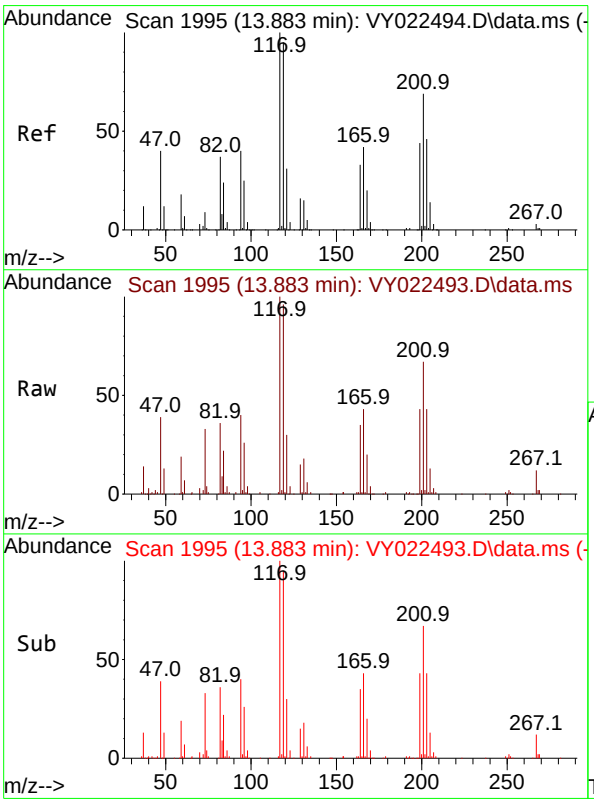
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

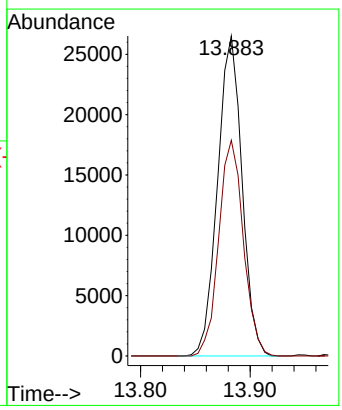
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

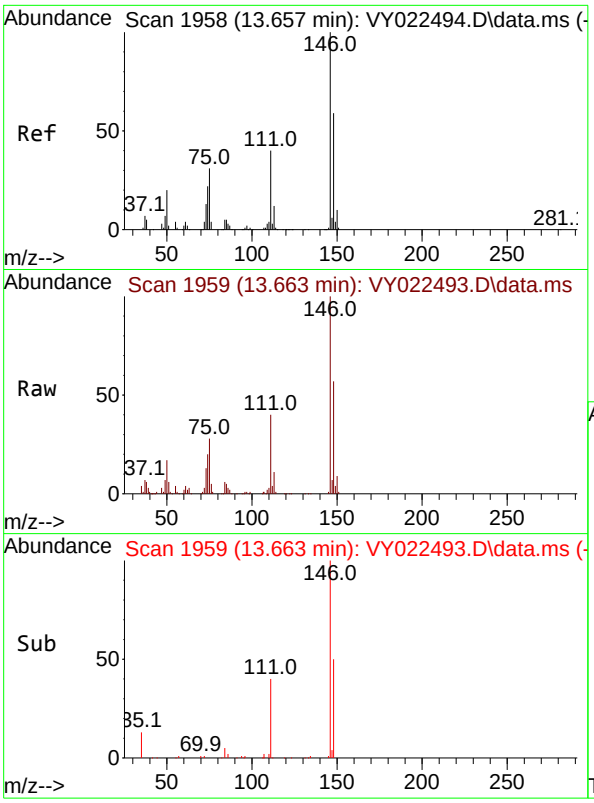


#90
Hexachloroethane
Concen: 20.316 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 41119

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0

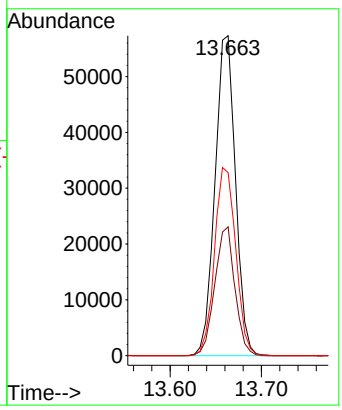




#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 8935

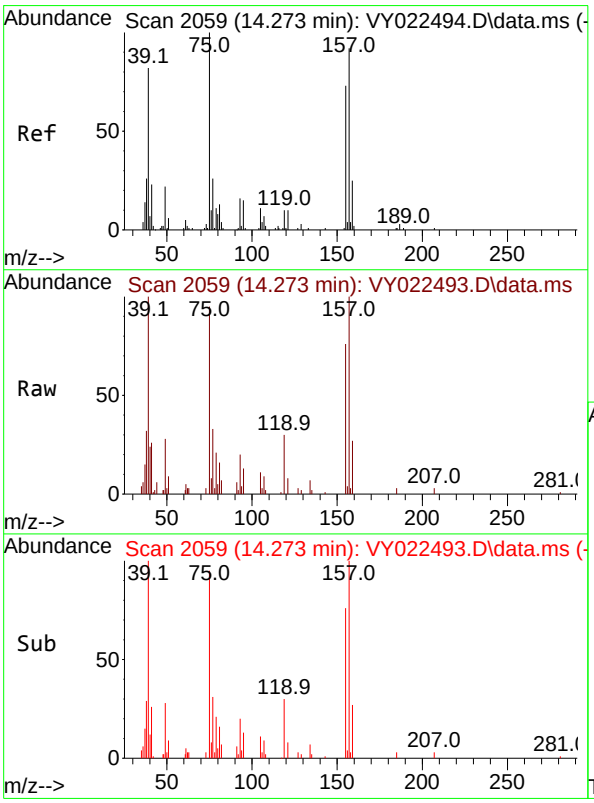
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	60.9	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

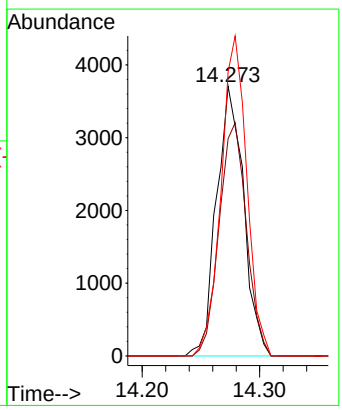
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

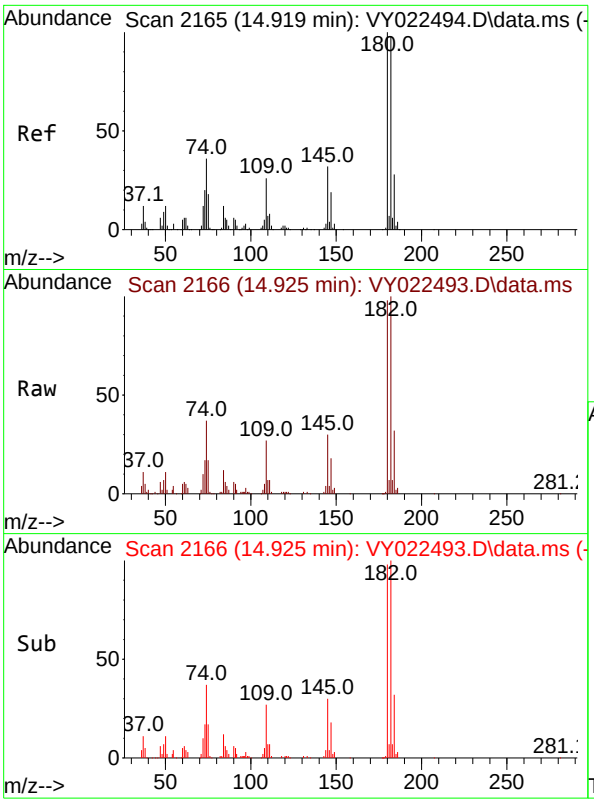


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	112.6	54.0	162.0

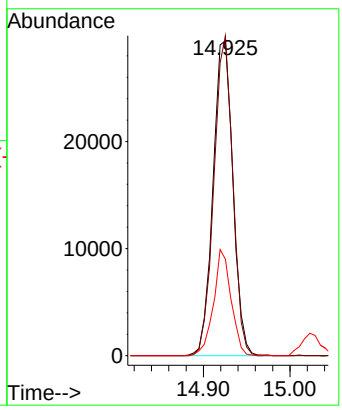




#93
1,2,4-Trichlorobenzene
Concen: 20.254 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 4691

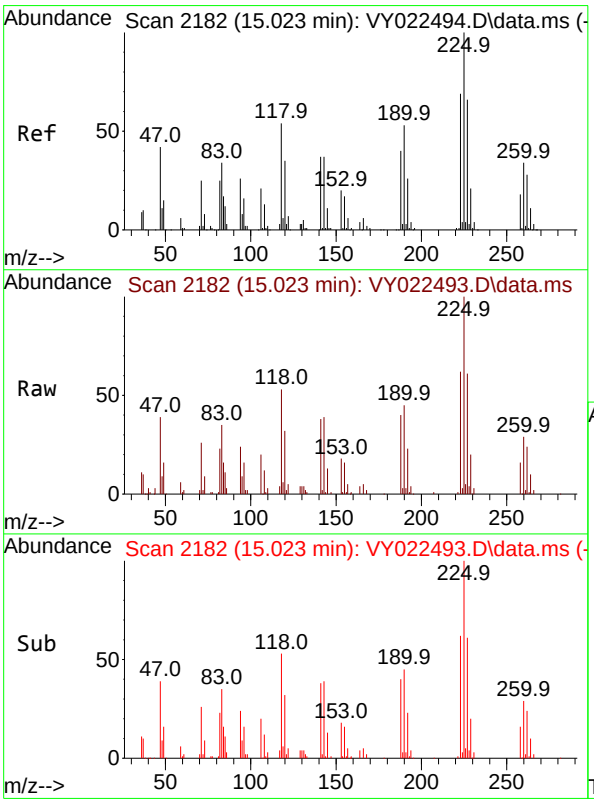
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	29.8	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

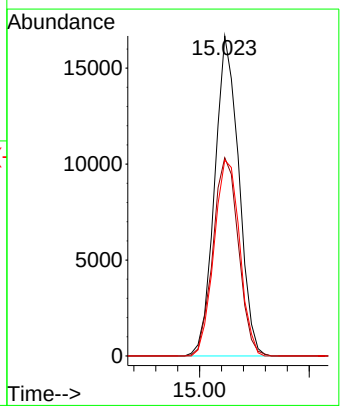
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

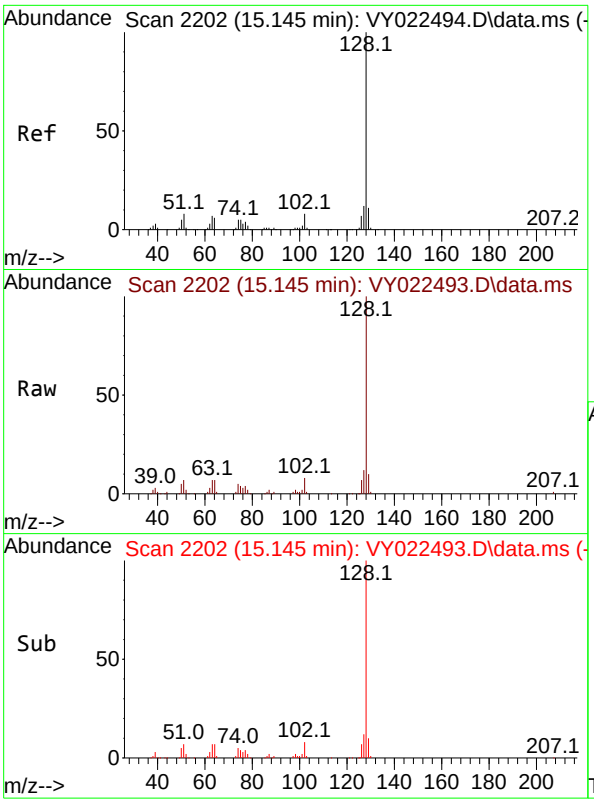


#94
Hexachlorobutadiene
Concen: 20.124 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:225 Resp: 25462

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.5	97.4
227	65.0	32.3	96.9

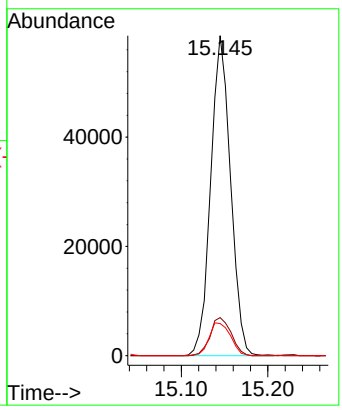




#95
Naphthalene
Concen: 20.994 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:128 Resp: 9320

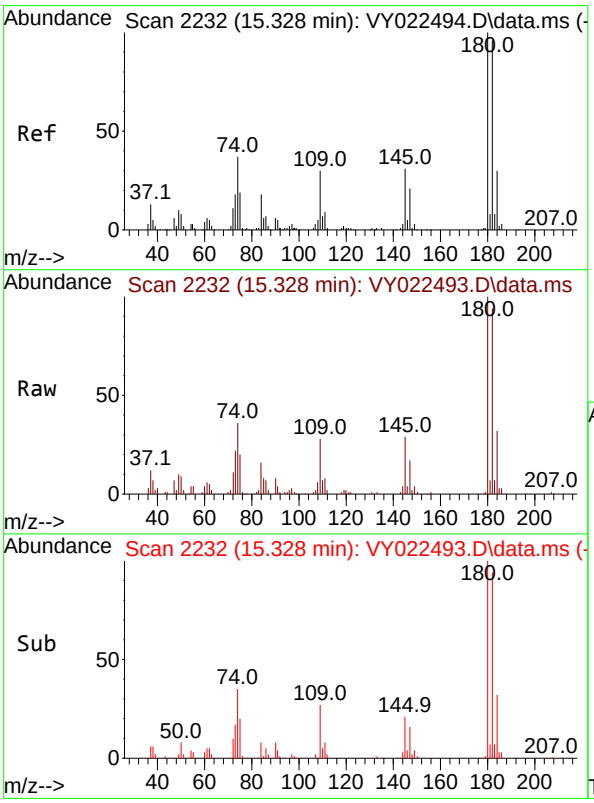
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

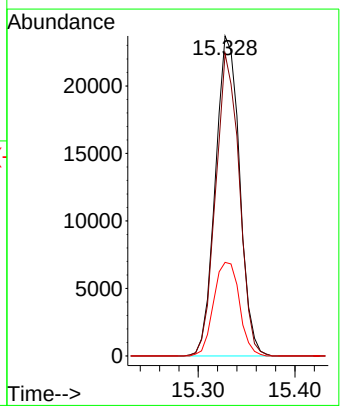
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.892 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	31.1	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l		
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
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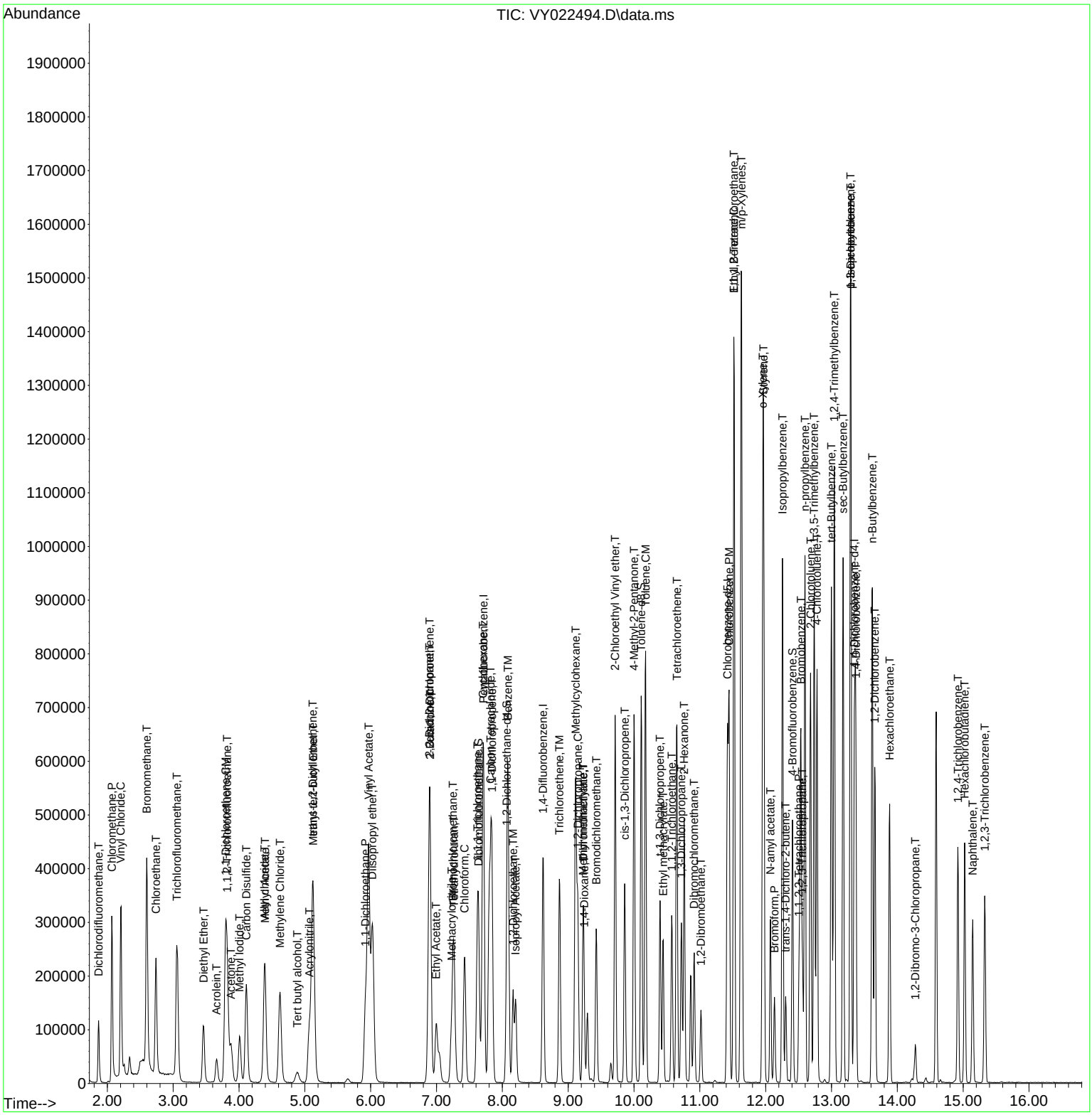
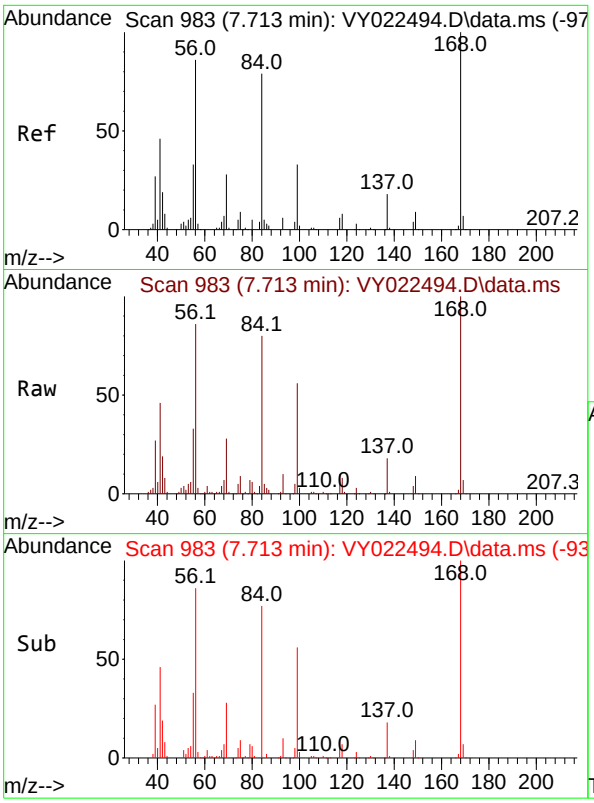
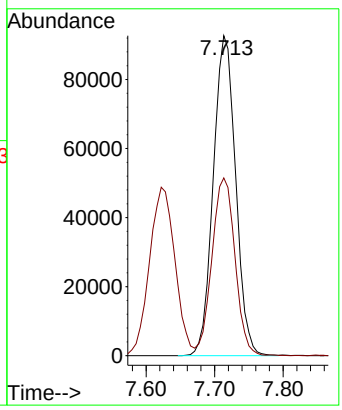




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:168 Resp: 20996

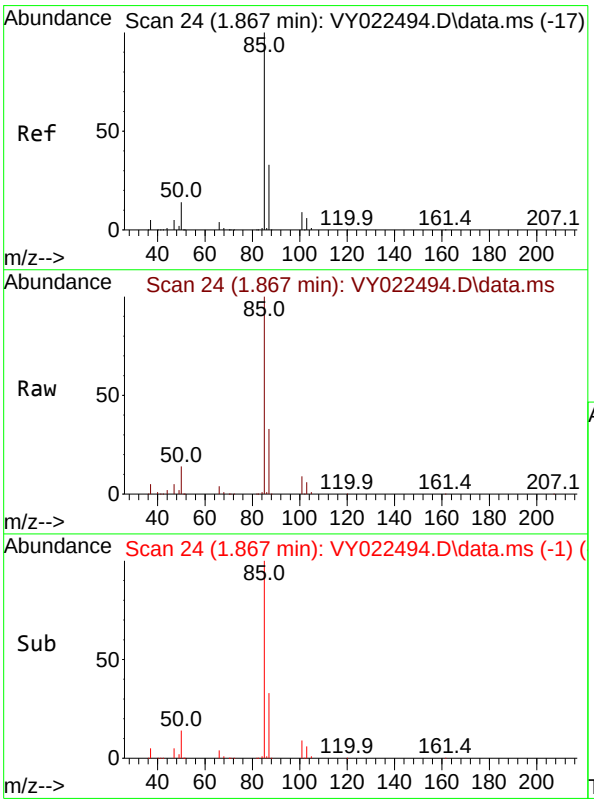
Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

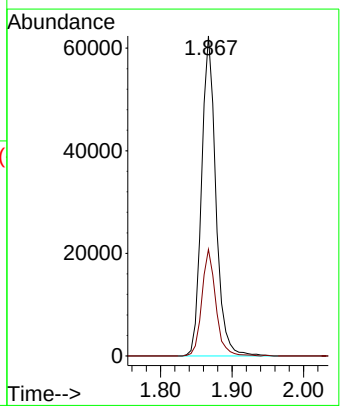
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

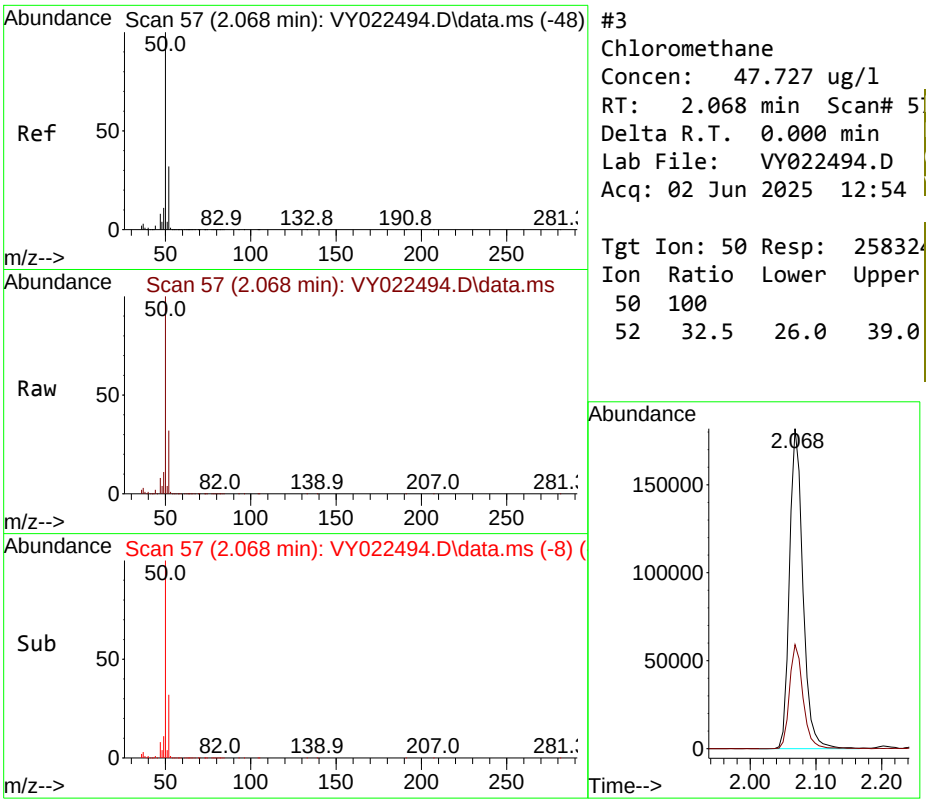


#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 85 Resp: 86654

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.7	50.0





#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

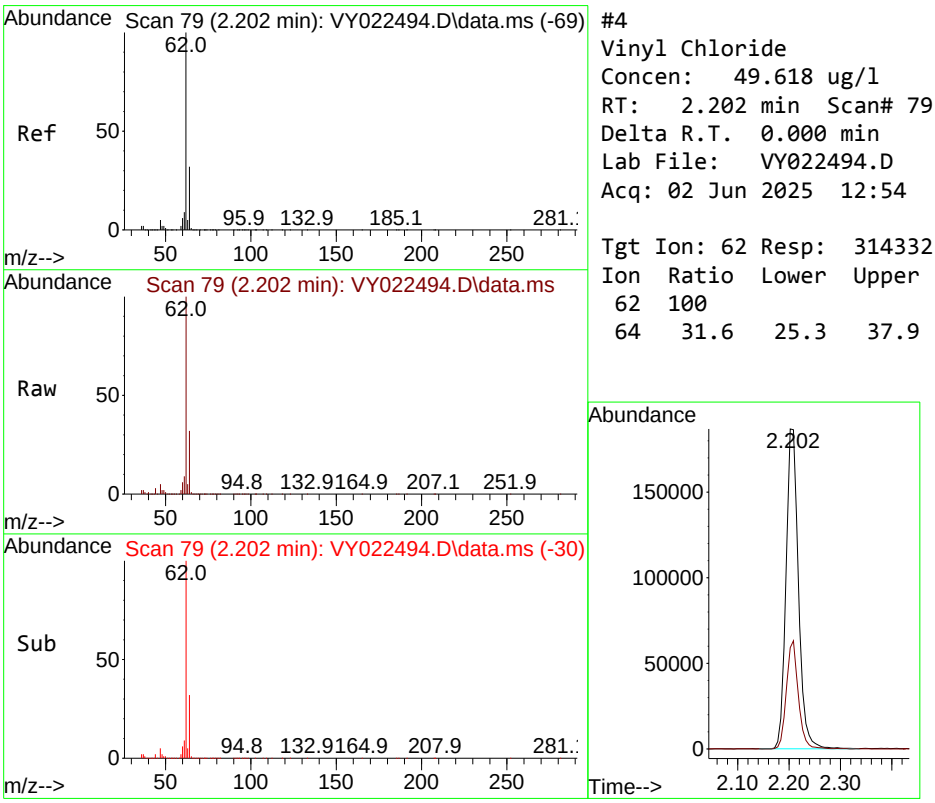
Tgt Ion: 50 Resp: 25832

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

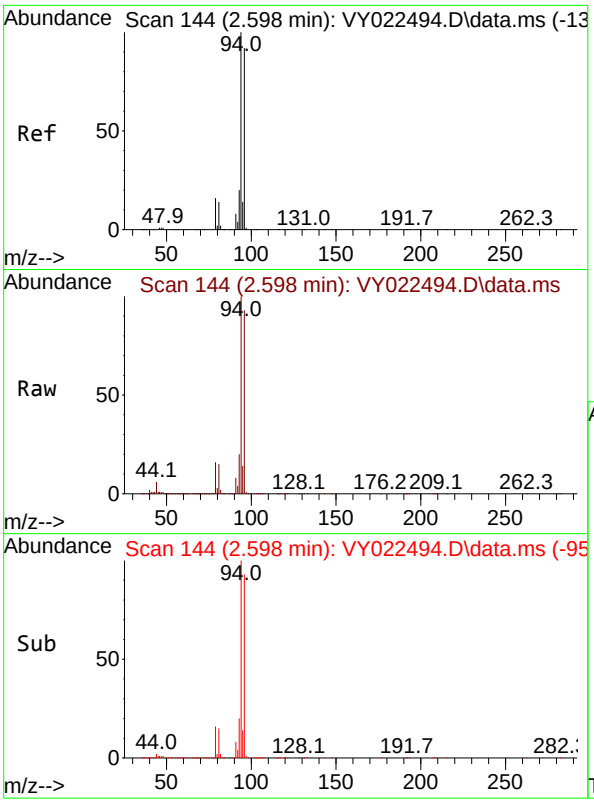
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 314332

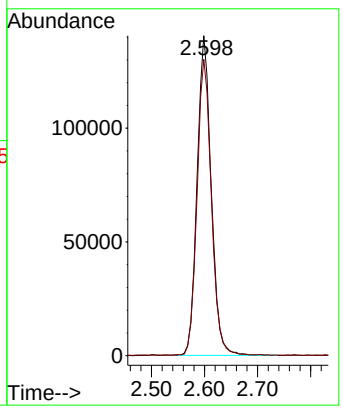
Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9



#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 94 Resp: 26044

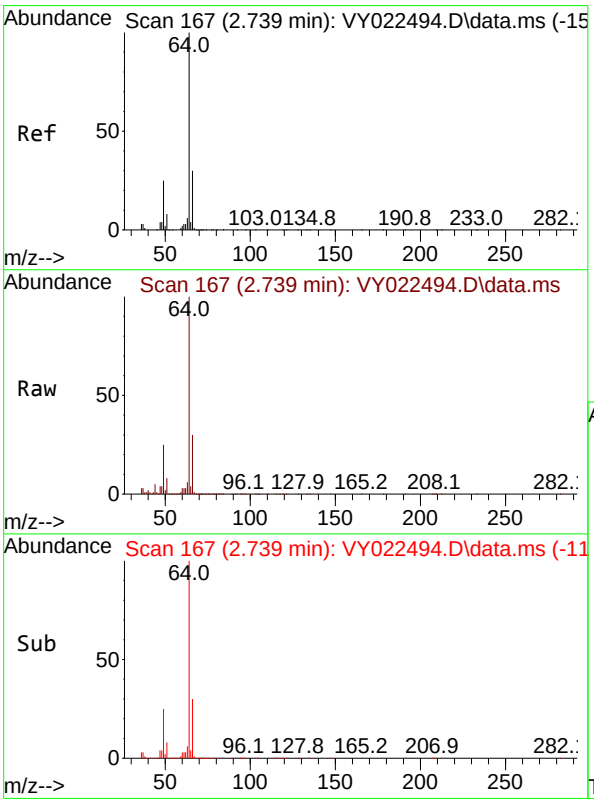
Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

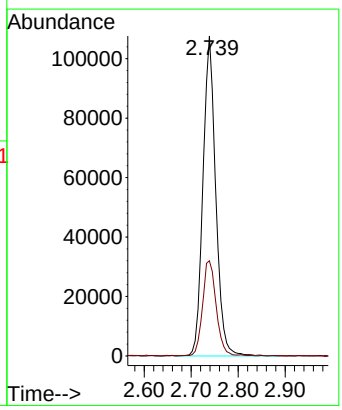
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

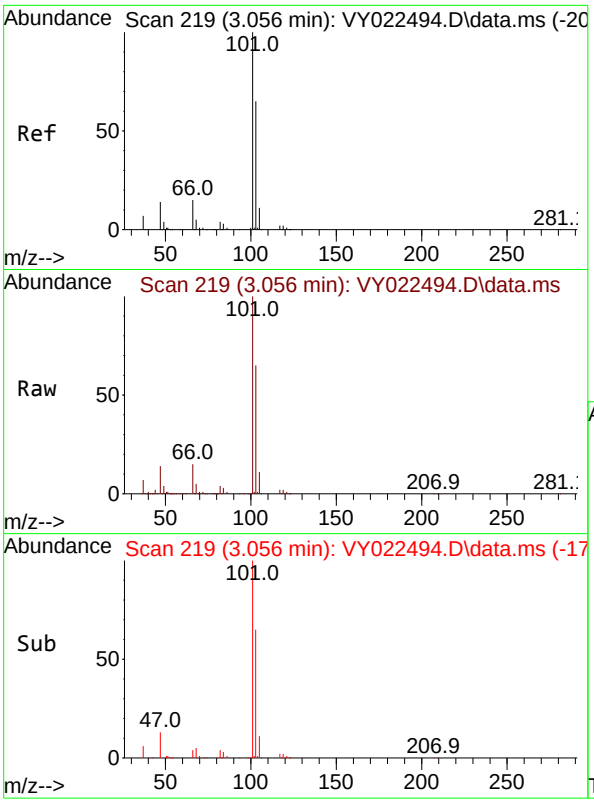


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 64 Resp: 202595

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.8	35.6

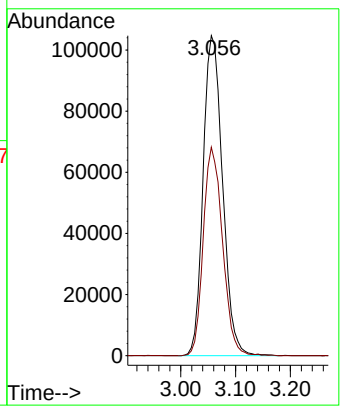




#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:101 Resp: 25700

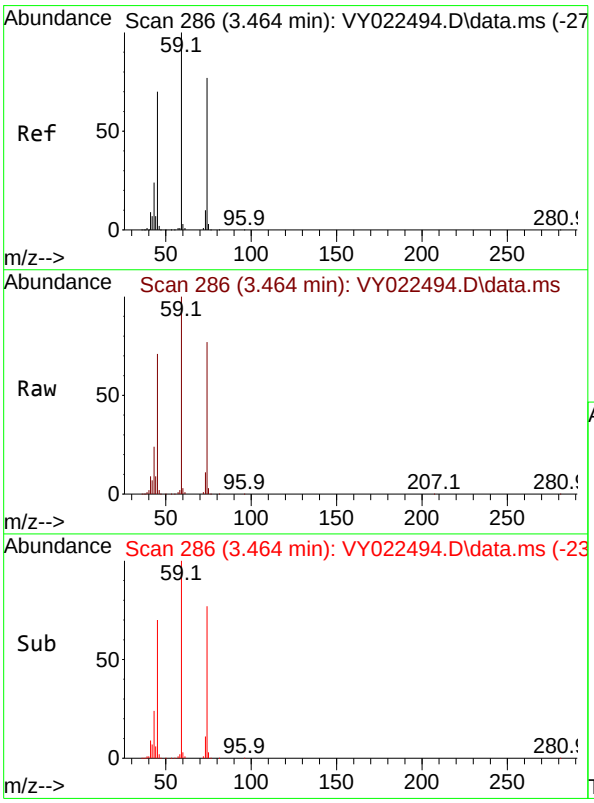
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

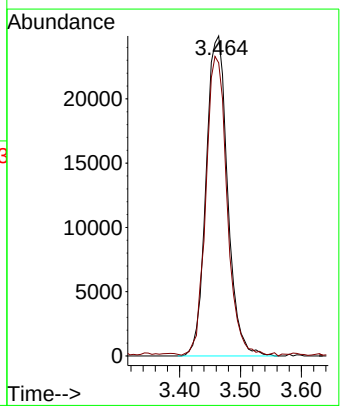
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

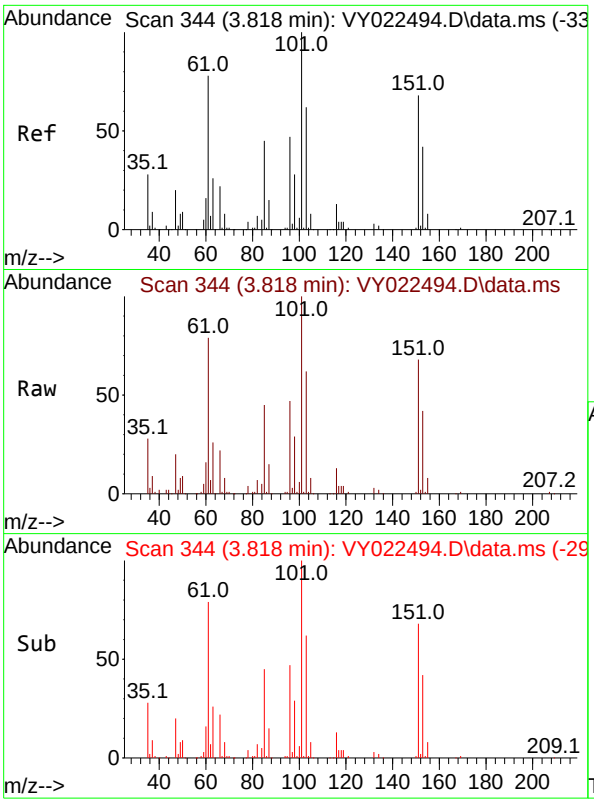


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 74 Resp: 61045

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

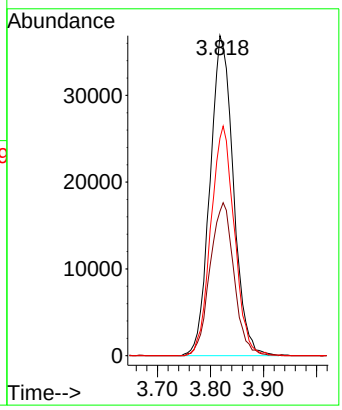
Tgt Ion:101 Resp: 11291

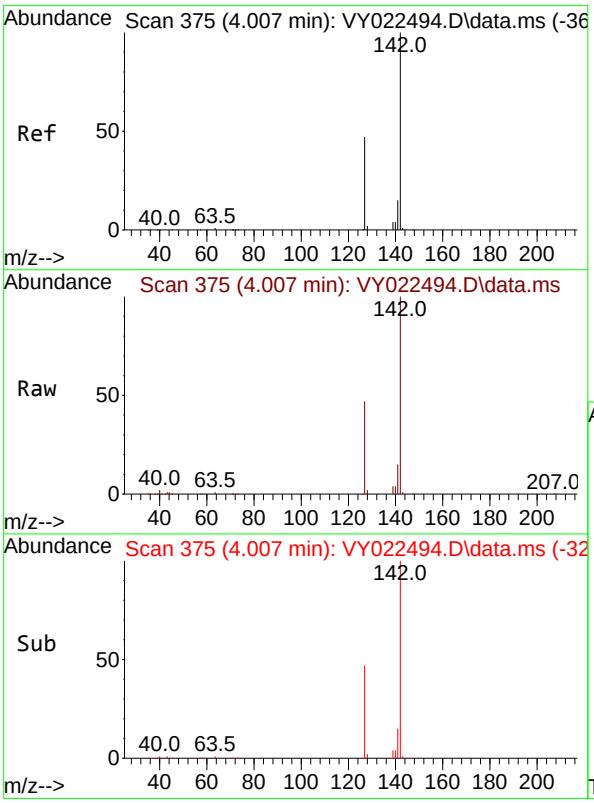
Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	72.3	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

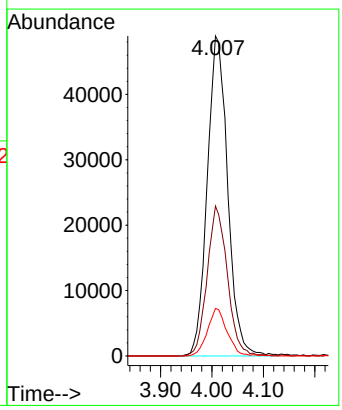


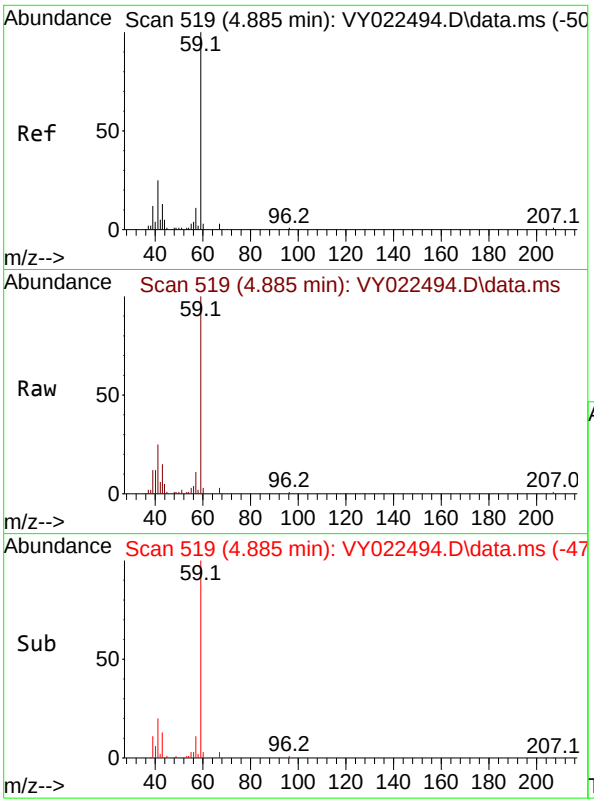


#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237

Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.1	55.7
141	14.3	11.4	17.2

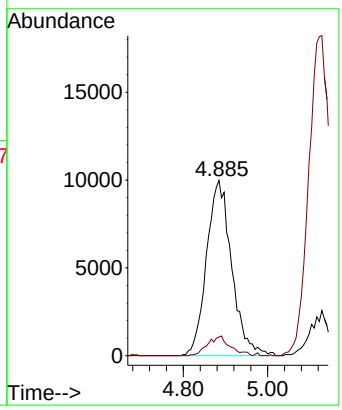




#11
Tert butyl alcohol
Concen: 253.096 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 59 Resp: 4130

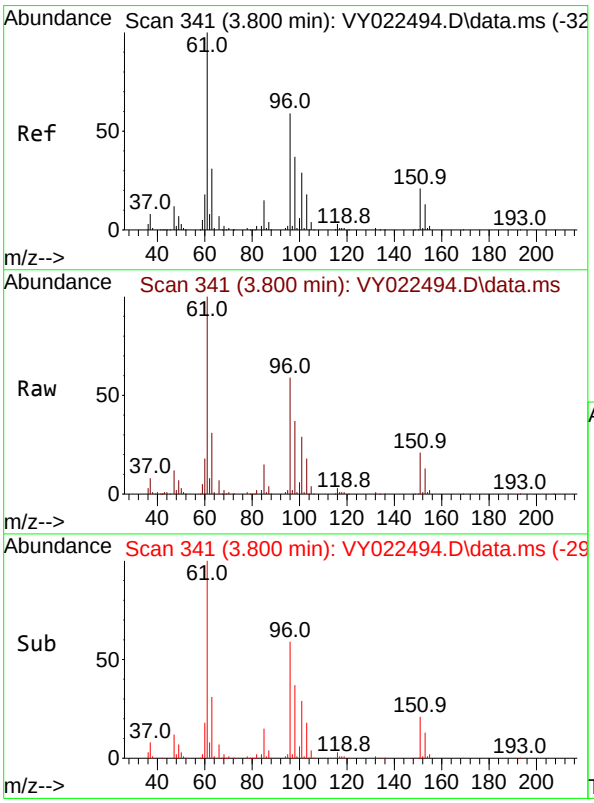
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

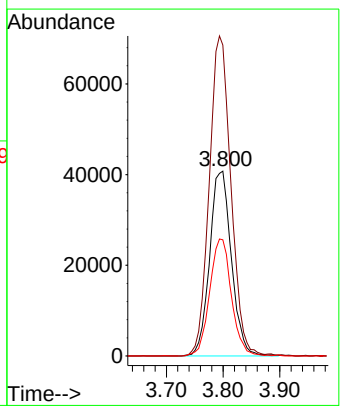
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

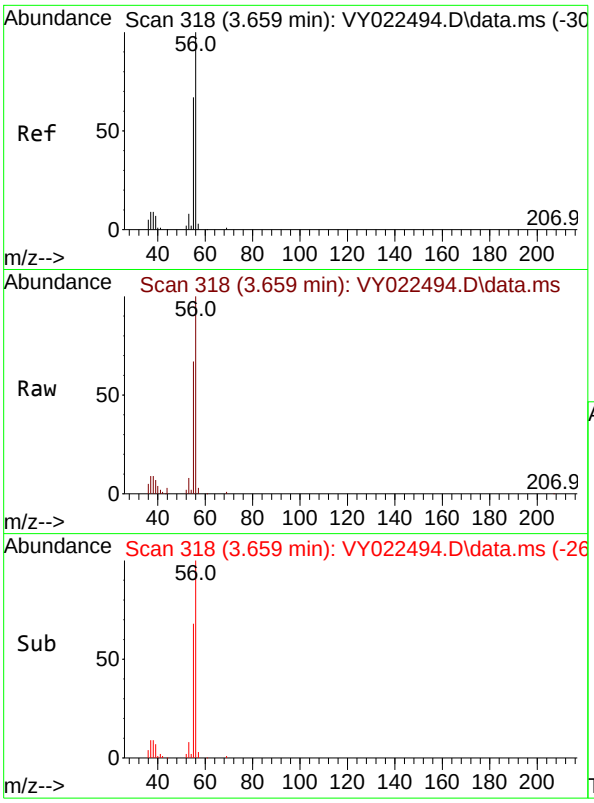


#12
1,1-Dichloroethene
Concen: 50.463 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 108756

Ion	Ratio	Lower	Upper
96	100		
61	168.2	134.6	201.8
98	62.8	50.2	75.4





#13
Acrolein
Concen: 252.946 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 5038

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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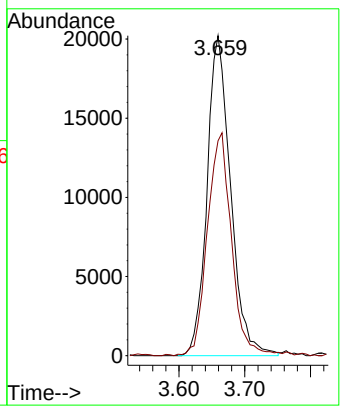
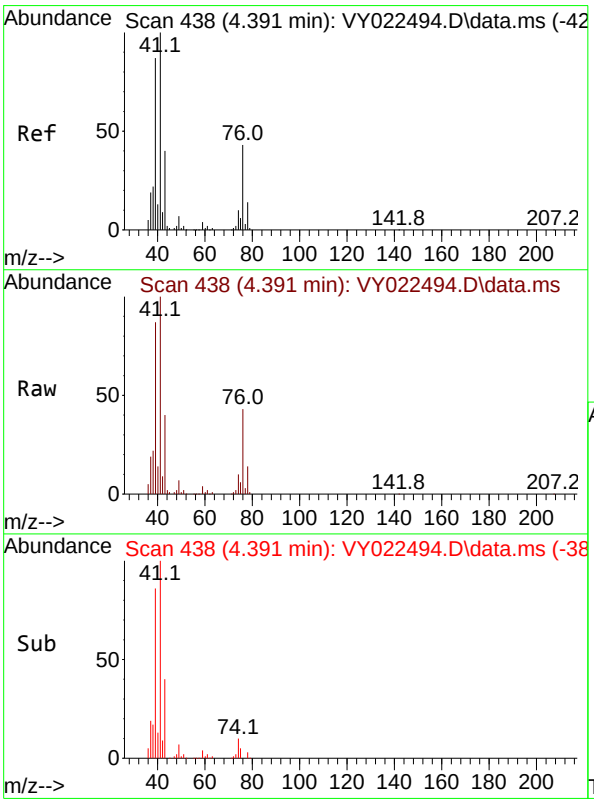
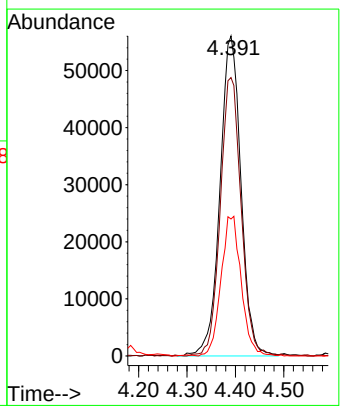


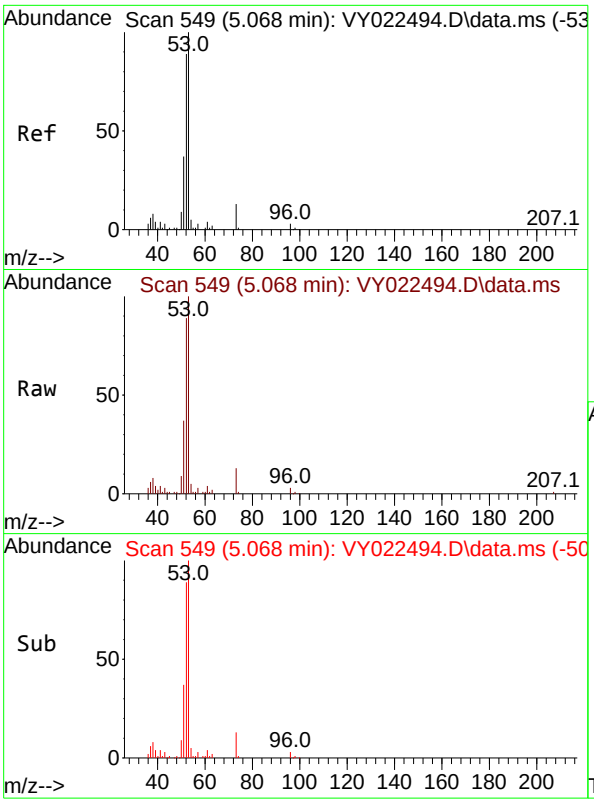


#14
Allyl chloride
Concen: 50.399 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 169258

Ion	Ratio	Lower	Upper
41	100		
39	86.4	69.1	103.7
76	41.9	33.5	50.3





#15
Acrylonitrile
Concen: 261.075 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 53 Resp: 13201

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.6	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
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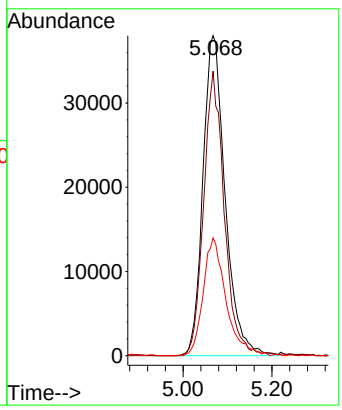
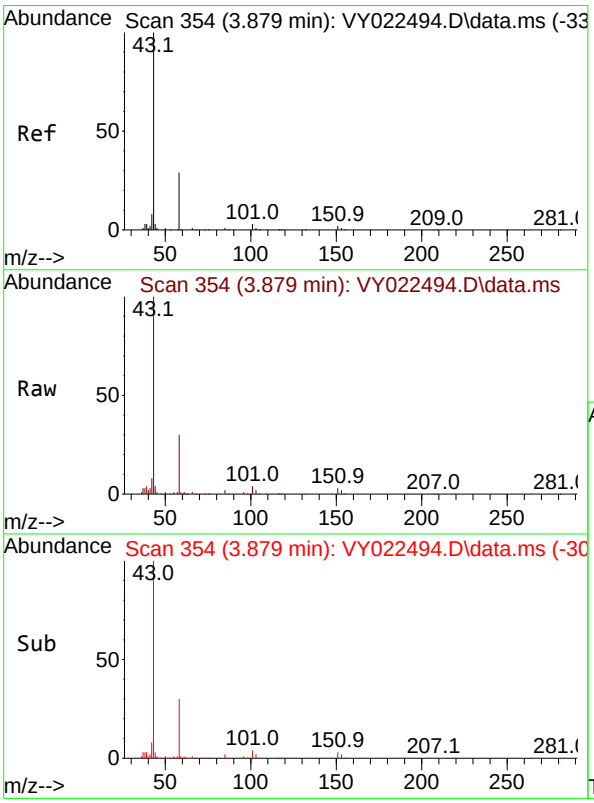
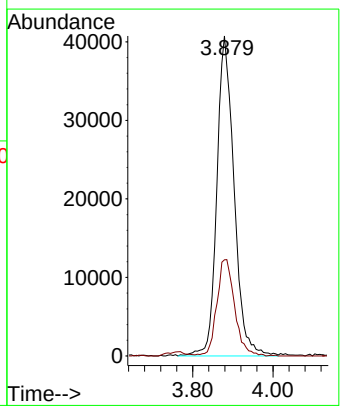


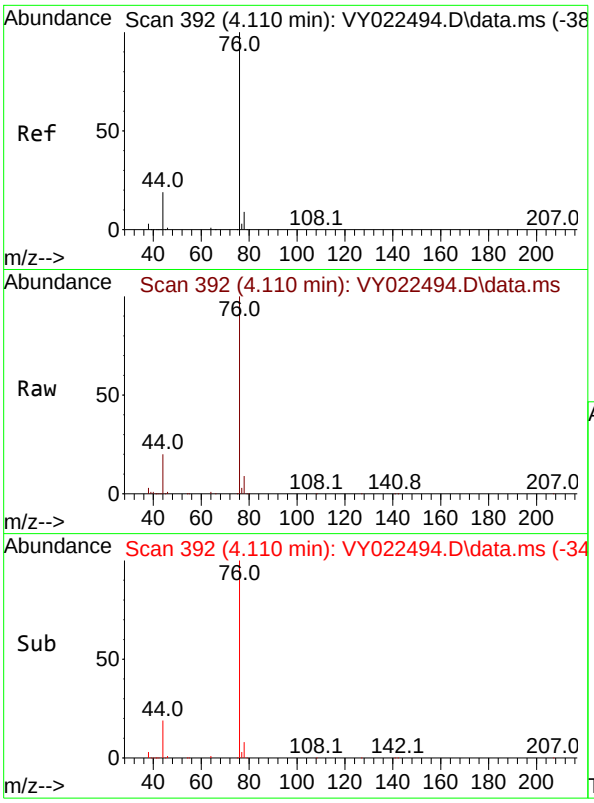


#16
Acetone
Concen: 269.036 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 121507

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0

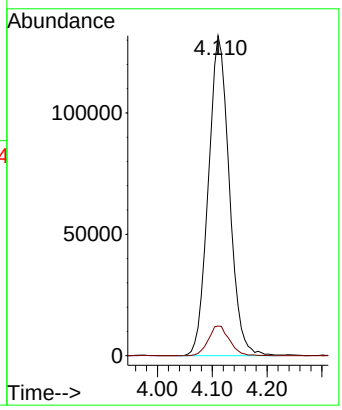




#17
Carbon Disulfide
Concen: 50.769 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 34934

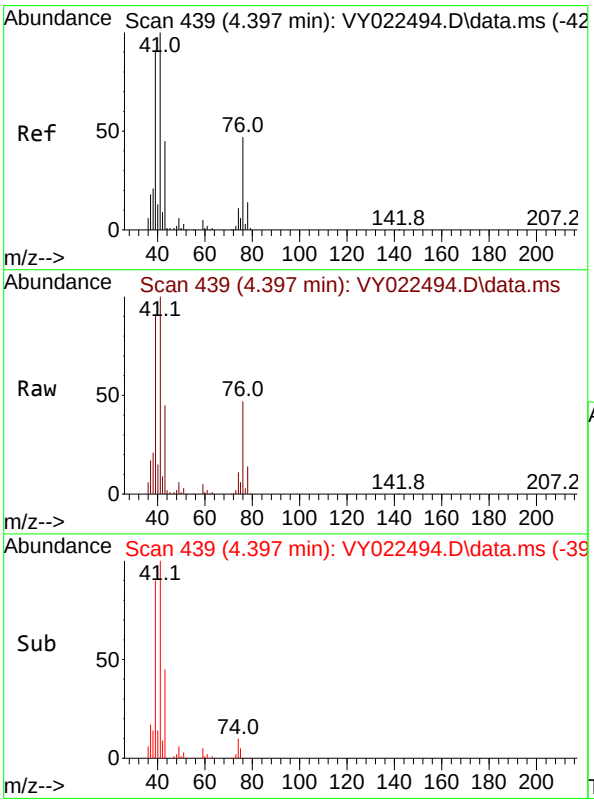
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

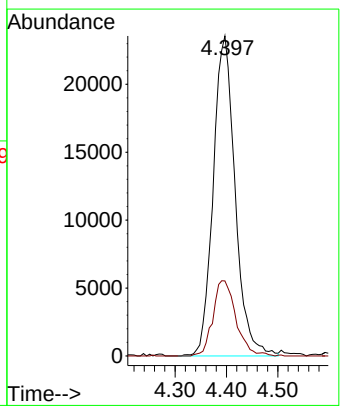
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

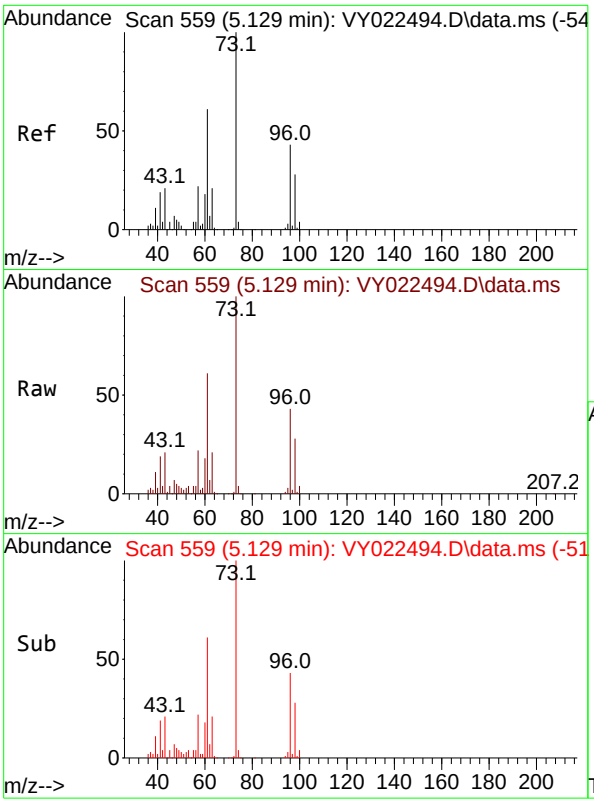


#18
Methyl Acetate
Concen: 51.384 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 69815

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

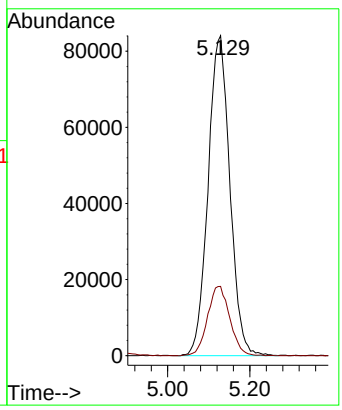




#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 73 Resp: 30857

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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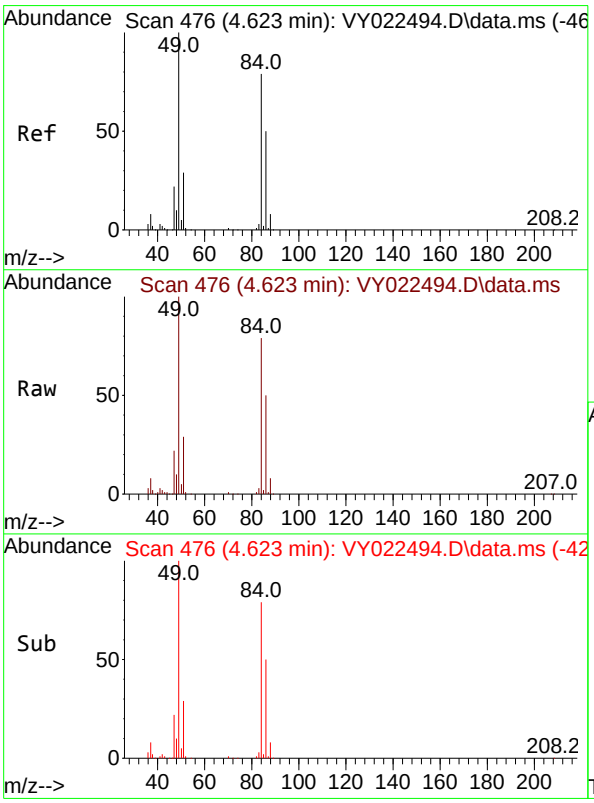
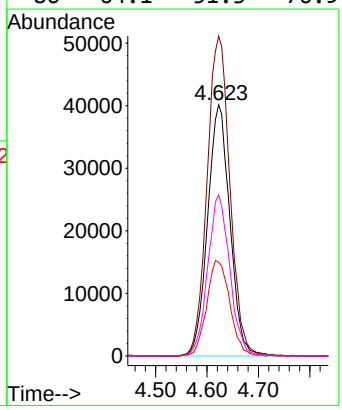
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

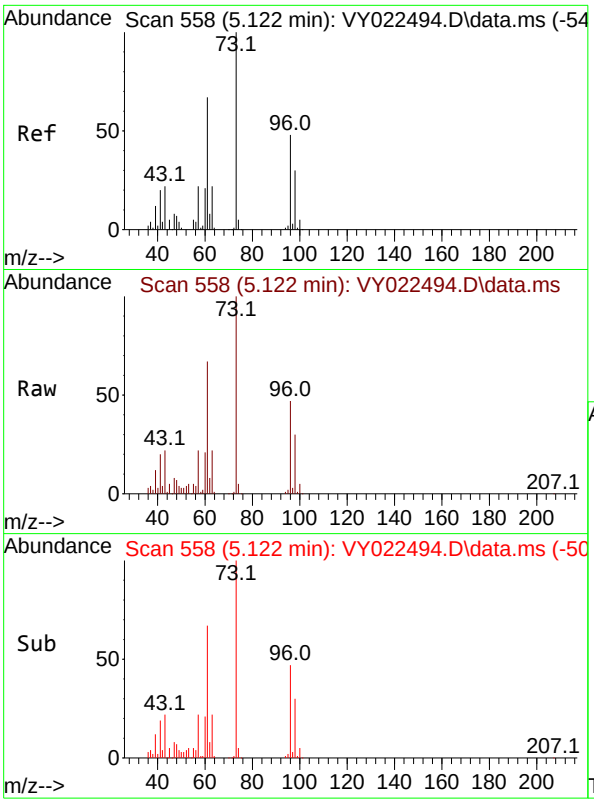


#20
Methylene Chloride
Concen: 47.810 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	37.3	29.8	44.8
86	64.1	51.3	76.9

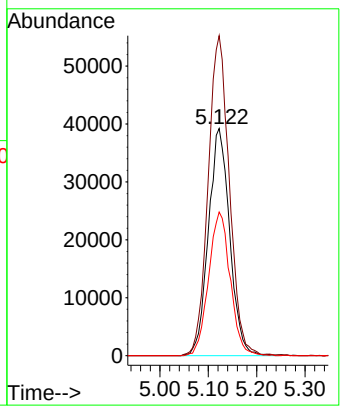




#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 11991

Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.6	169.0
98	63.2	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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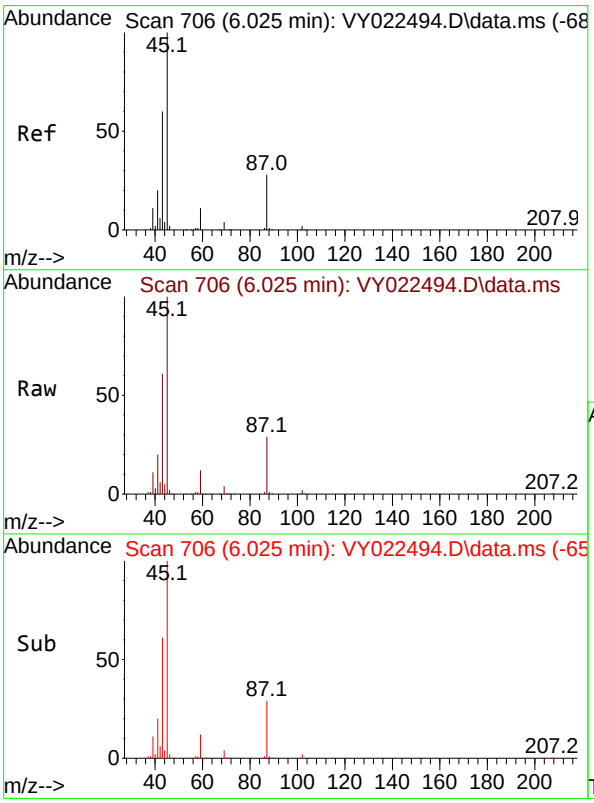
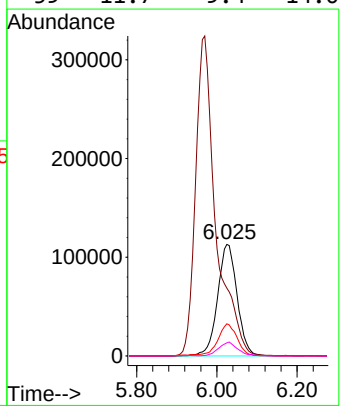
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

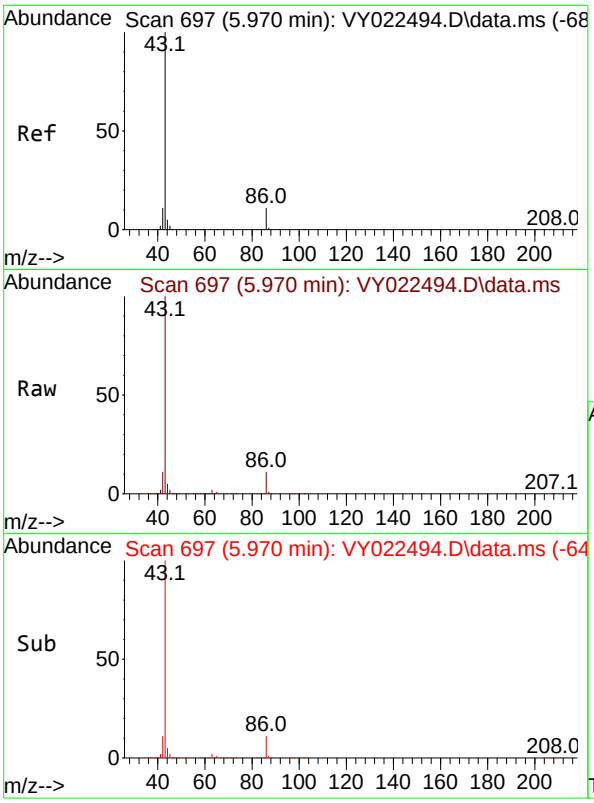


#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.8	23.0	34.6
59	11.7	9.4	14.0

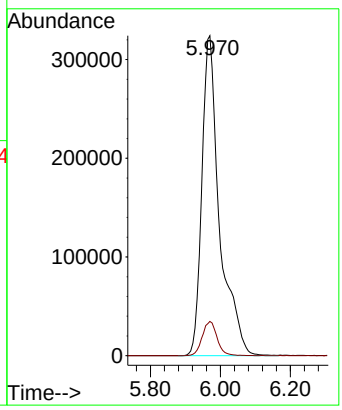




#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 113741

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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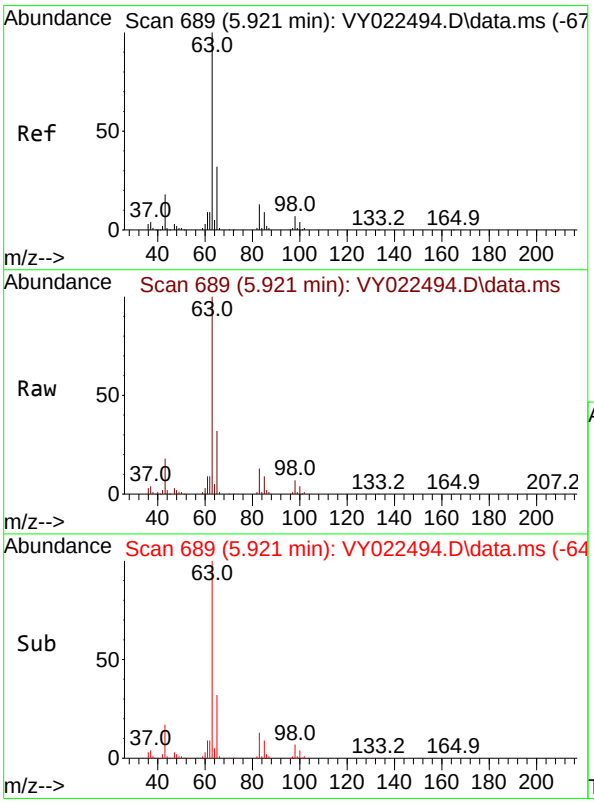
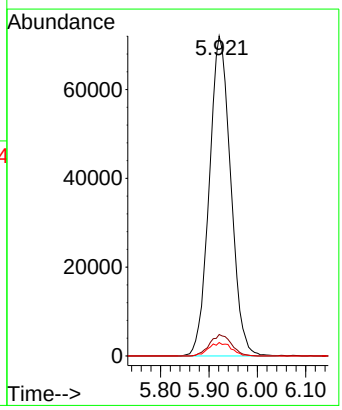
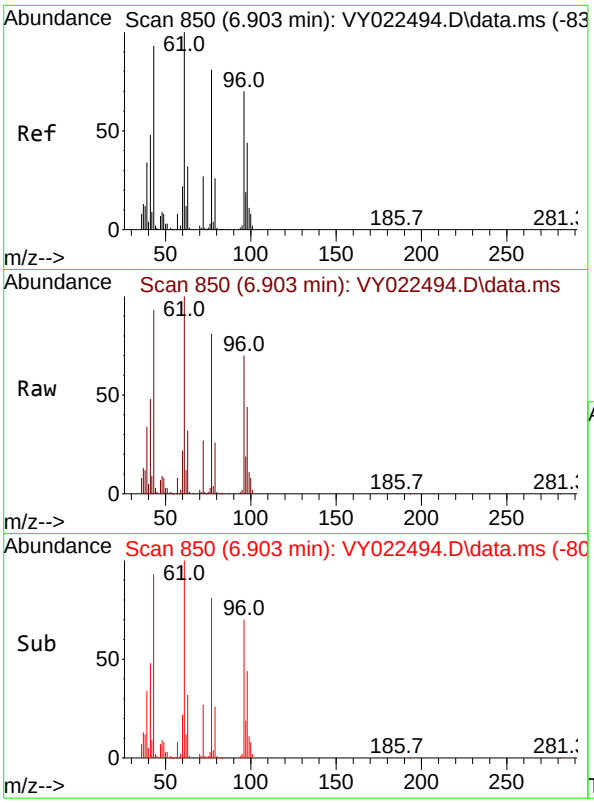


#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3

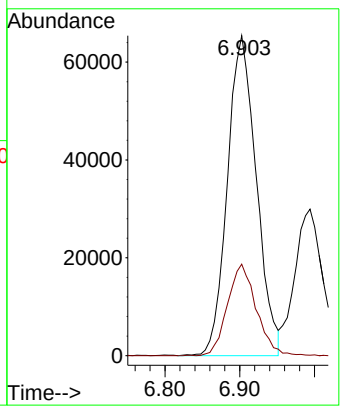




#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 17618

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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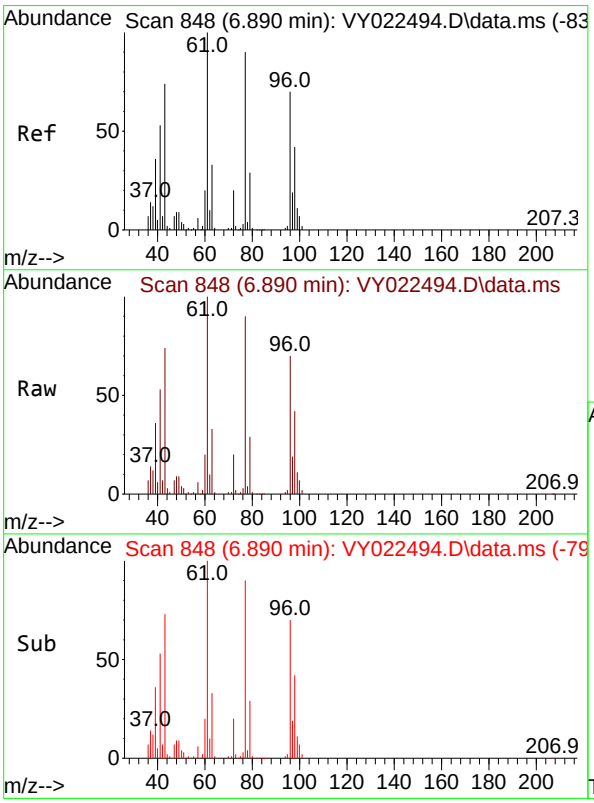
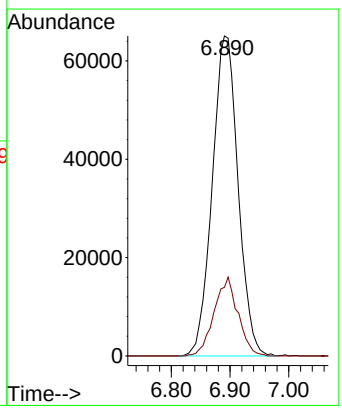
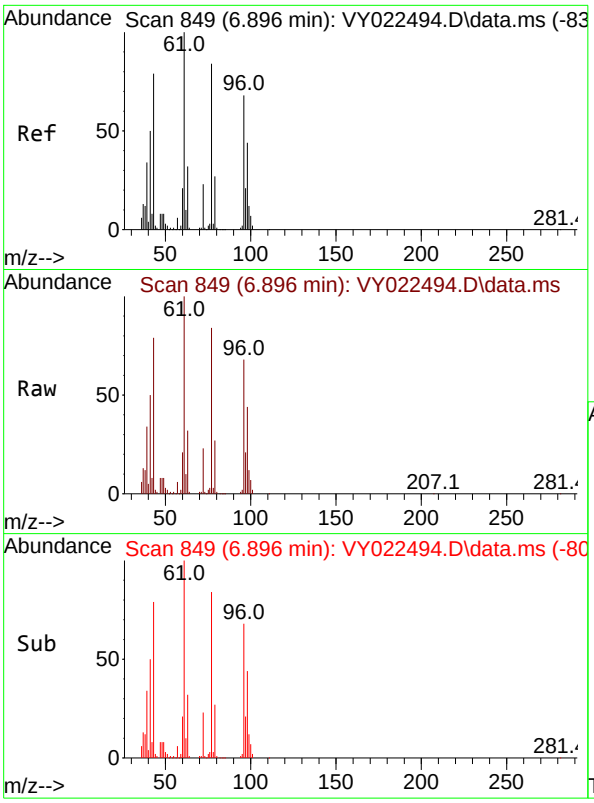


#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.4	34.2

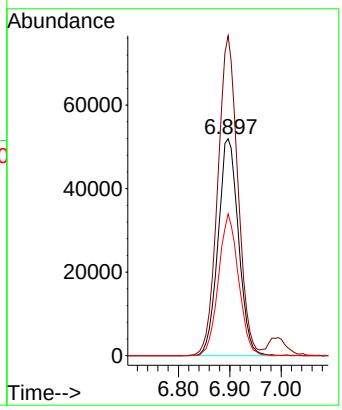




#27
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 14321

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.0
98	64.2	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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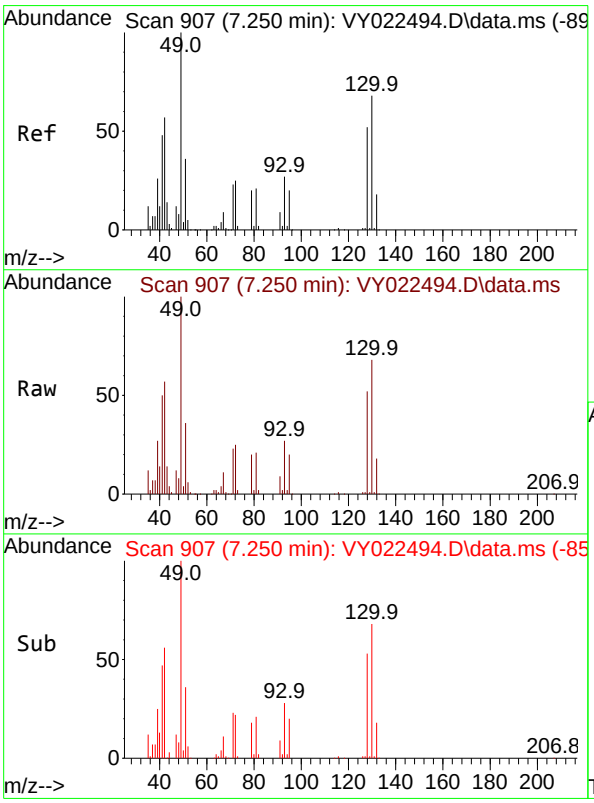
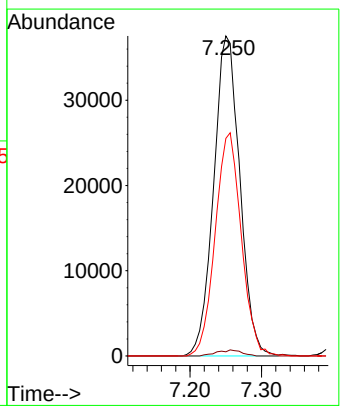
Supervised By :Mahesh Dadoda 06/03/2025

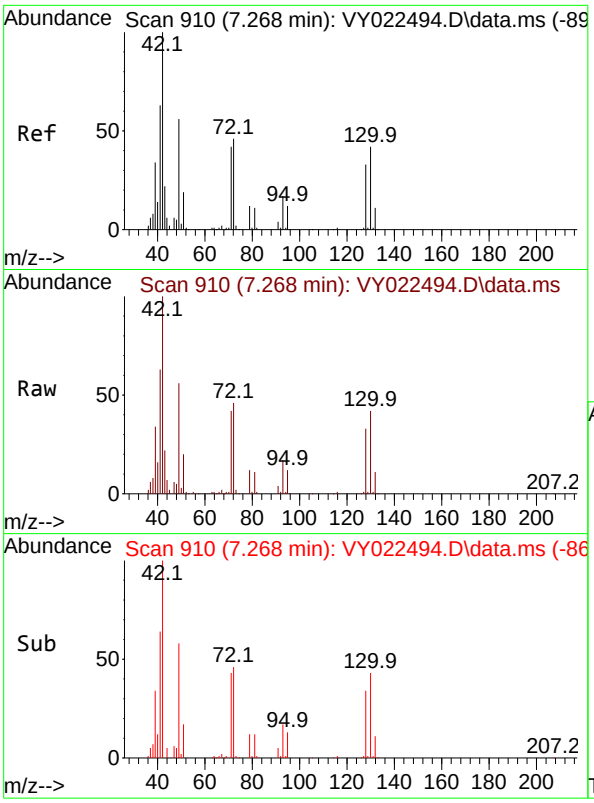


#28
Bromochloromethane
Concen: 50.015 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 49 Resp: 95397

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5

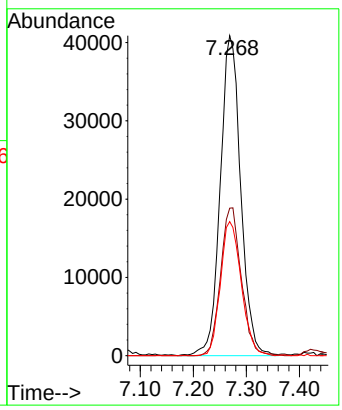




#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 42 Resp: 10969

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.2
71	42.7	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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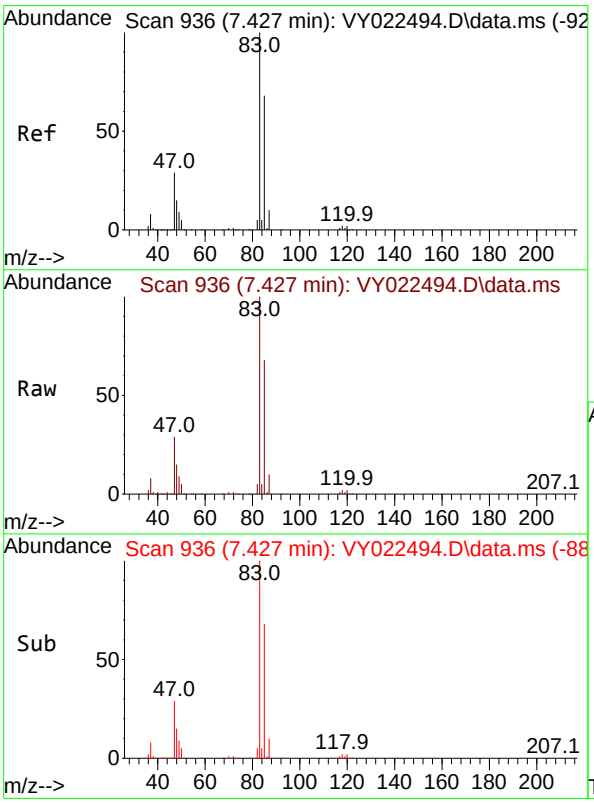
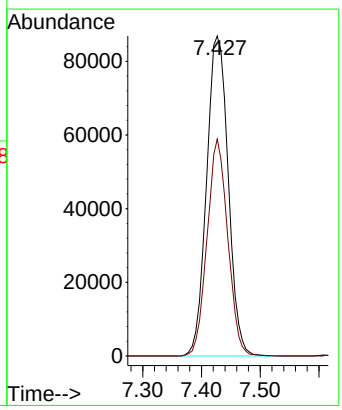
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

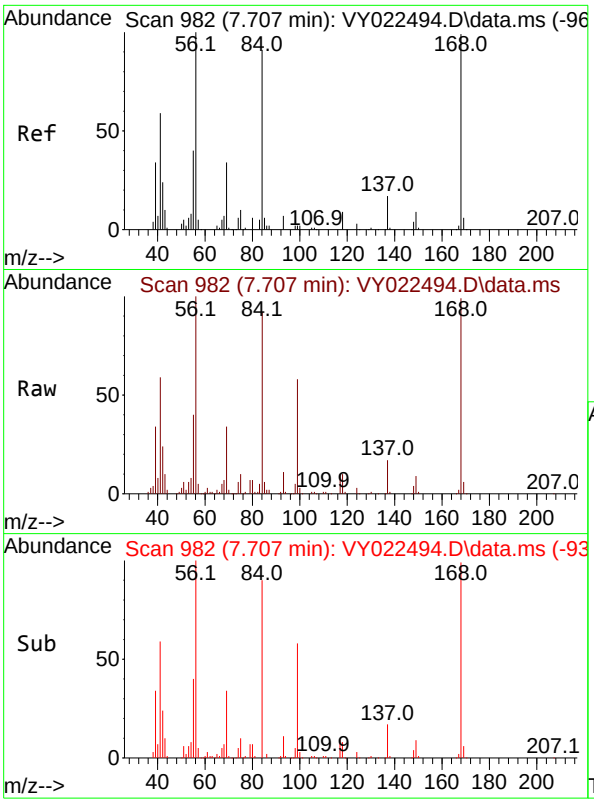


#30
Chloroform
Concen: 50.944 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 222226

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4

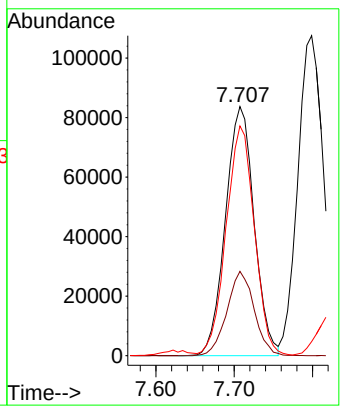




#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 21303

Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	90.8	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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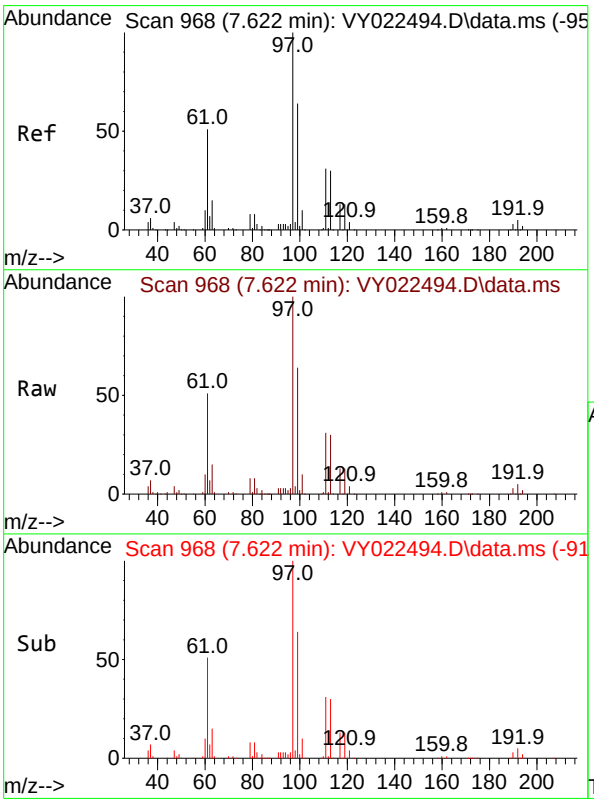
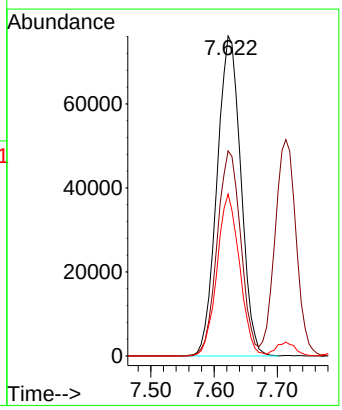
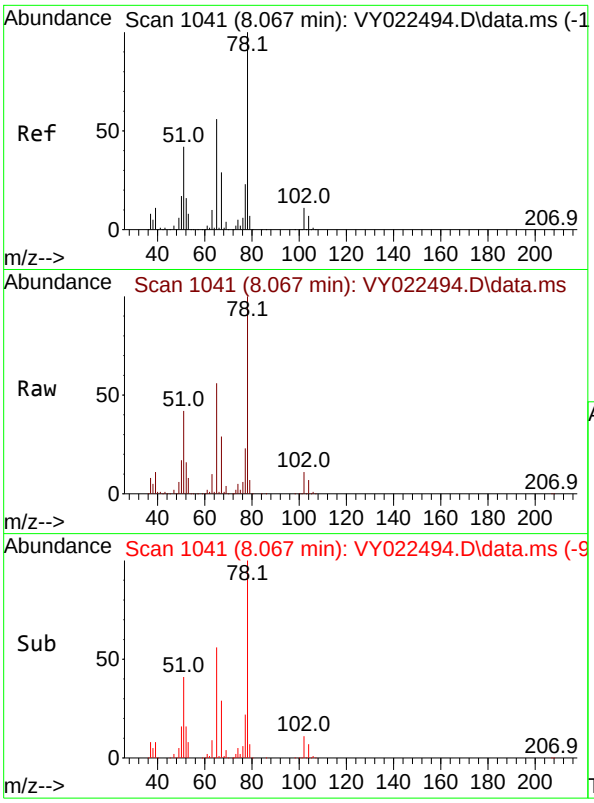


#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	48.1	38.5	57.7

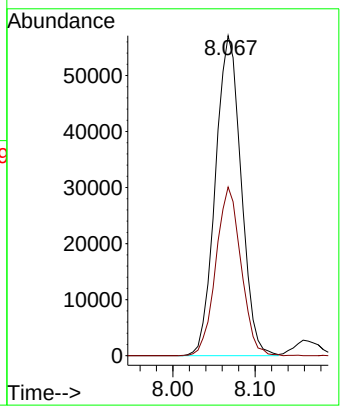




#33
1,2-Dichloroethane-d4
Concen: 54.320 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 65 Resp: 12409

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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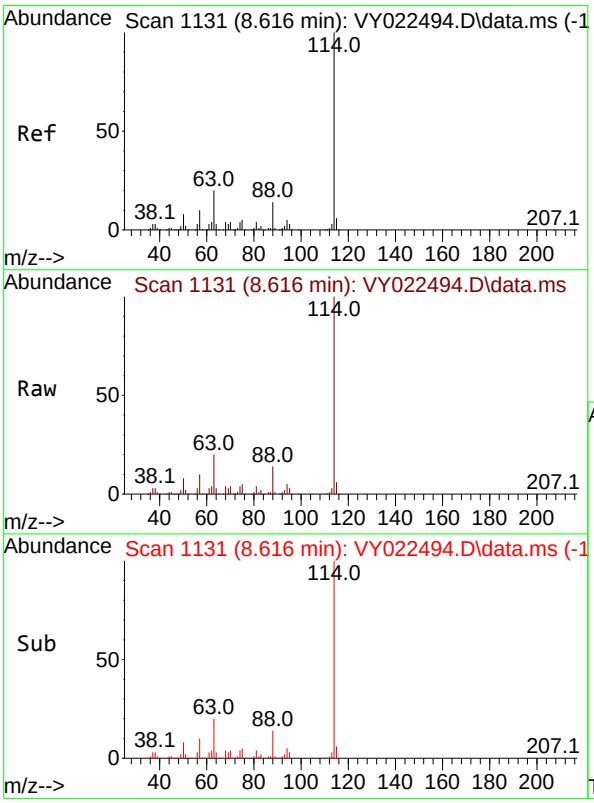
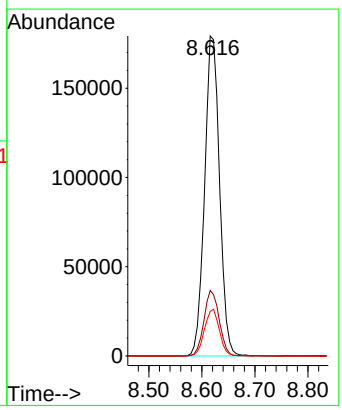
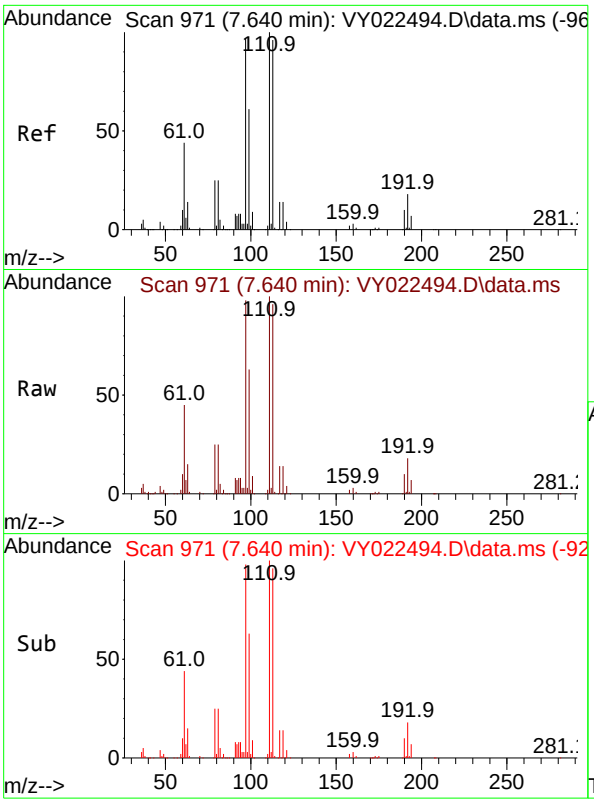


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:114 Resp: 350947

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8

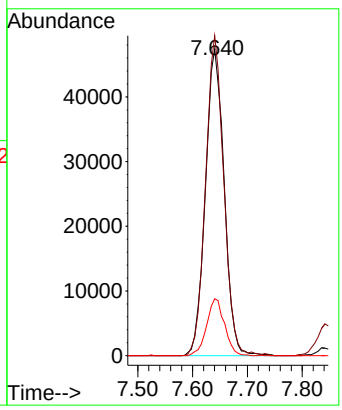




#35
Dibromofluoromethane
Concen: 54.514 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:113 Resp: 11262

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.7	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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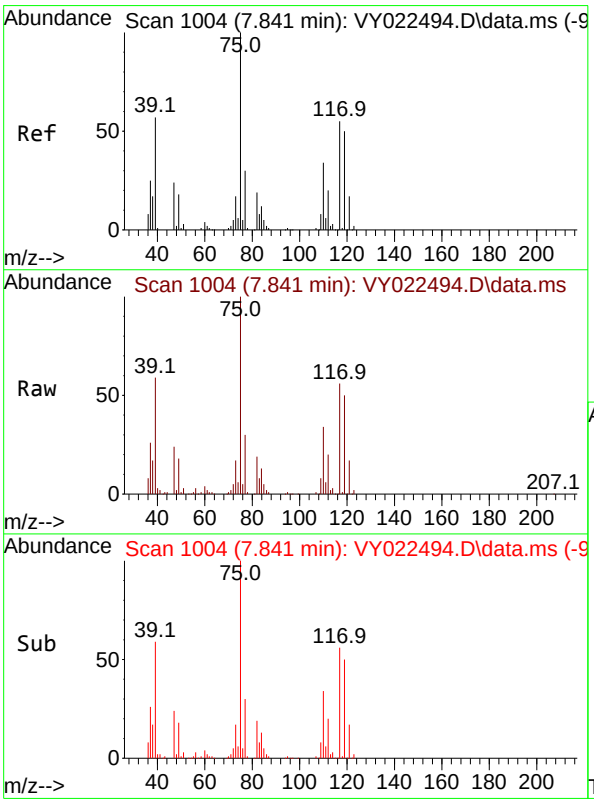
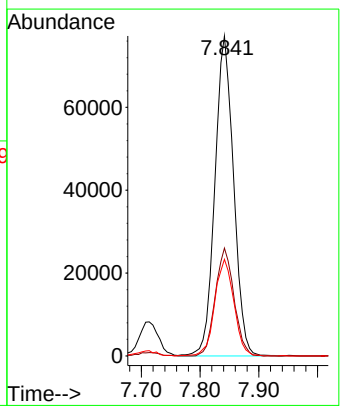
Supervised By :Mahesh Dadoda 06/03/2025

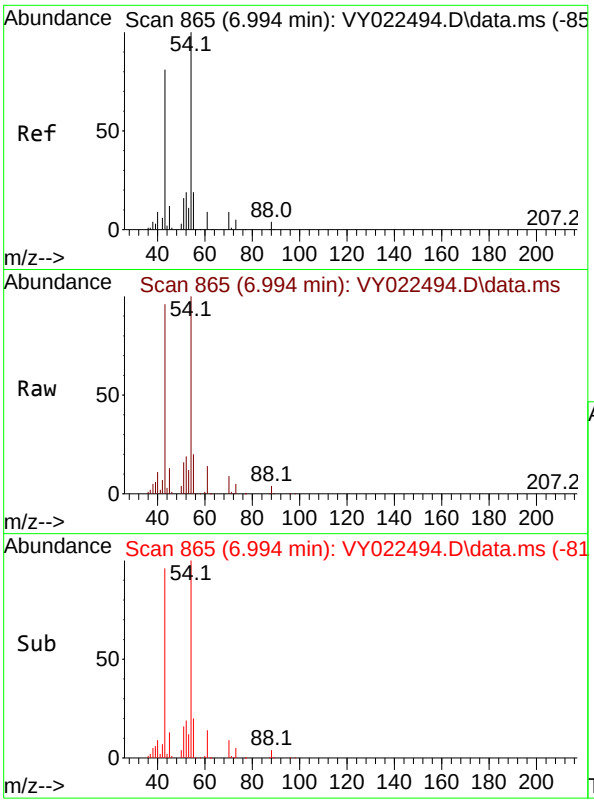


#36
1,1-Dichloropropene
Concen: 51.116 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 170708

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.8	37.2

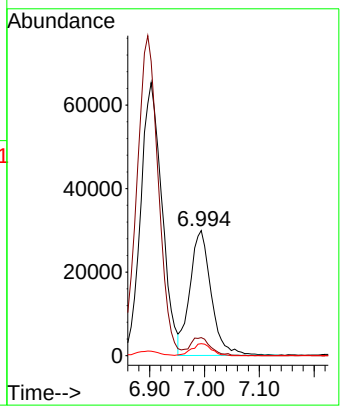




#37
Ethyl Acetate
Concen: 54.721 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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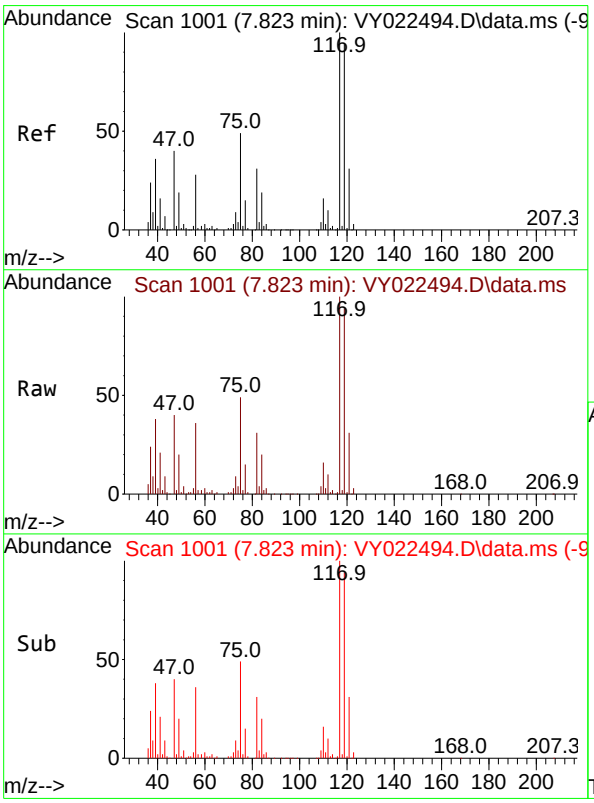
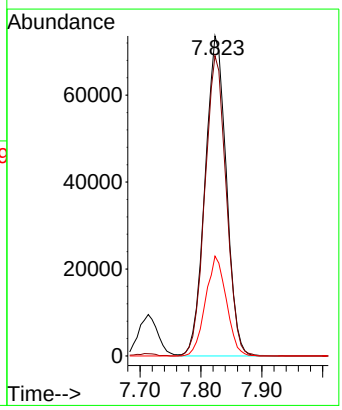
Supervised By :Mahesh Dadoda 06/03/2025

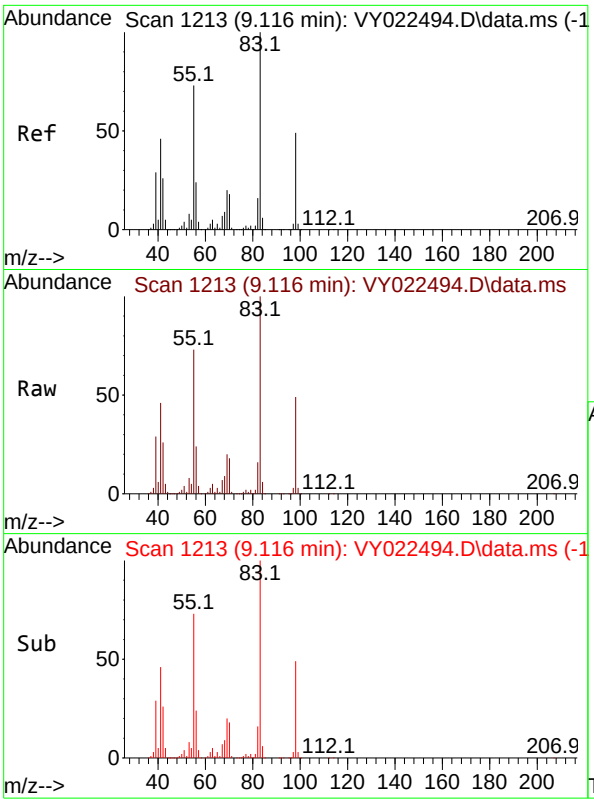


#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 178292

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4

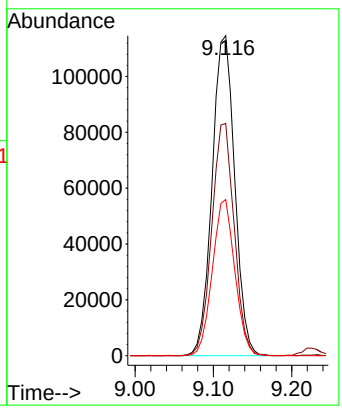




#39
Methylcyclohexane
Concen: 51.100 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 23053

Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.1	87.1
98	48.8	39.0	58.6



Instrument :
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ClientSampleId :
VSTDICCC050

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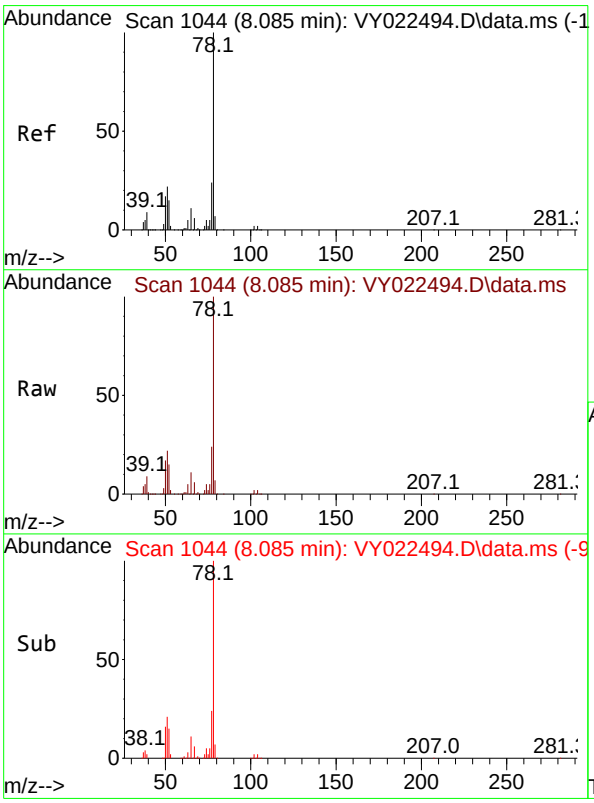
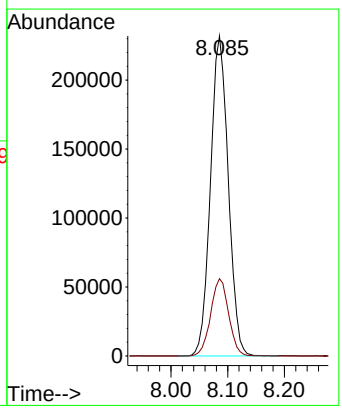
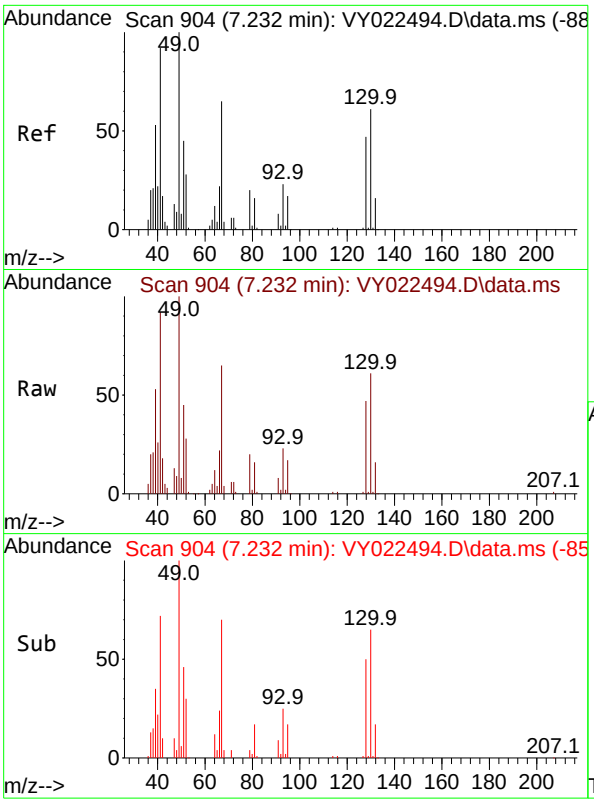


#40
Benzene
Concen: 51.376 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 78 Resp: 505749

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

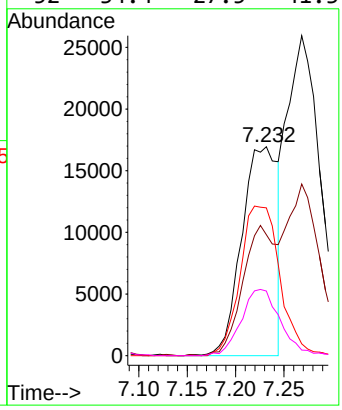




#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 4386

Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.6	69.8
67	79.1	63.3	94.9
52	34.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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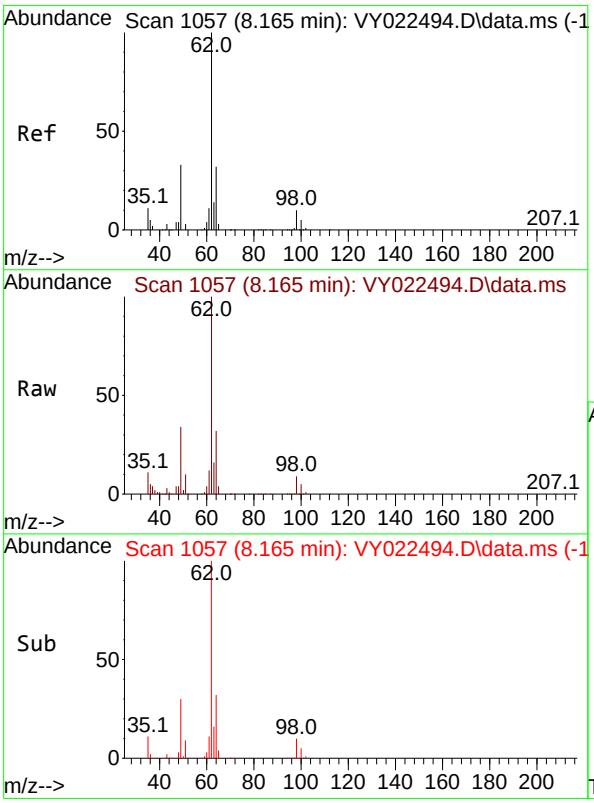
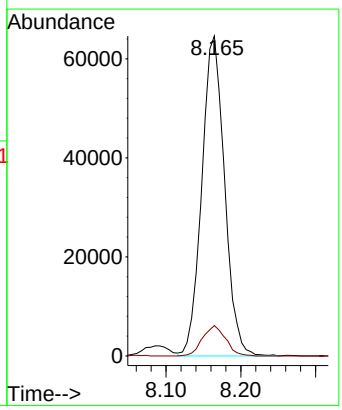
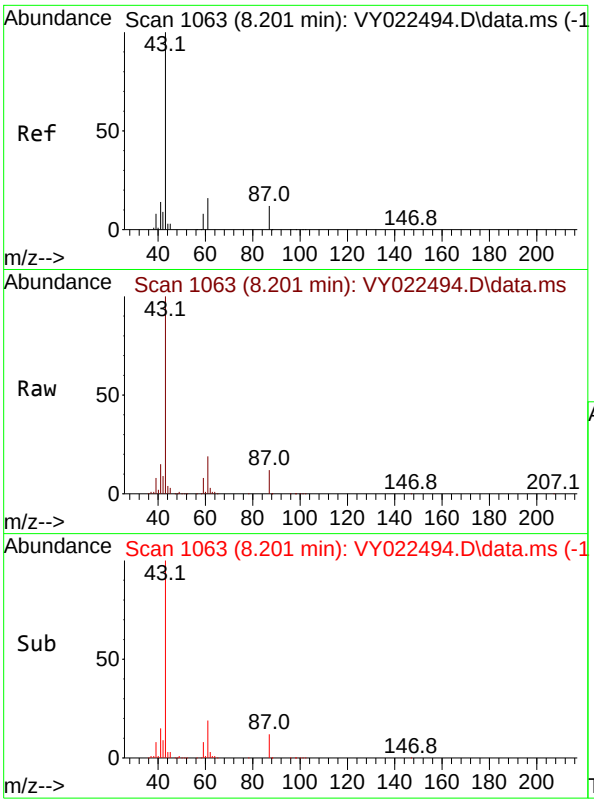


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 16777

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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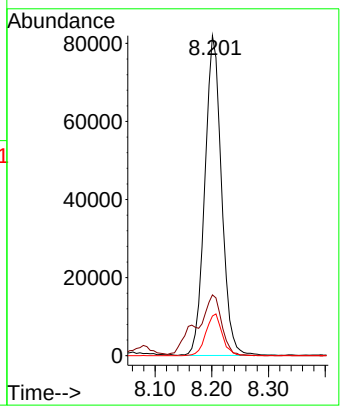
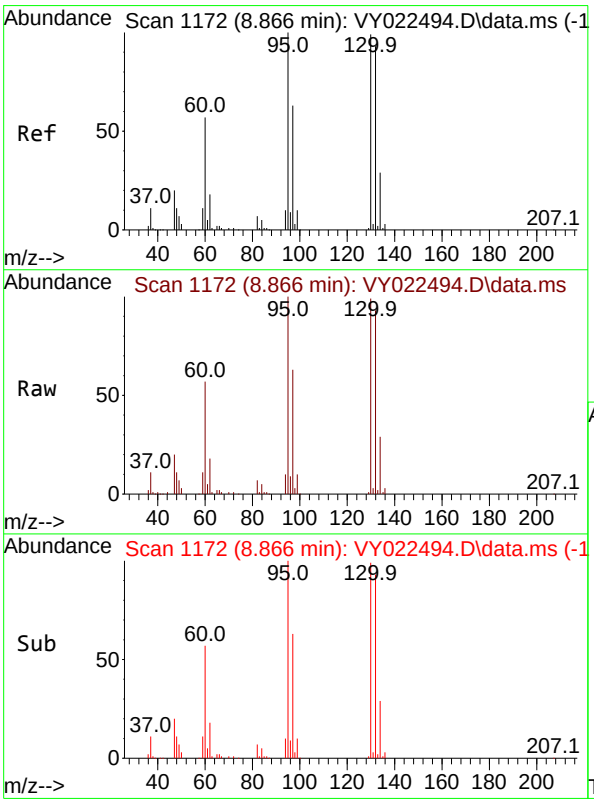
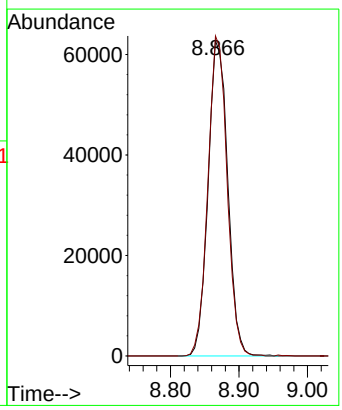


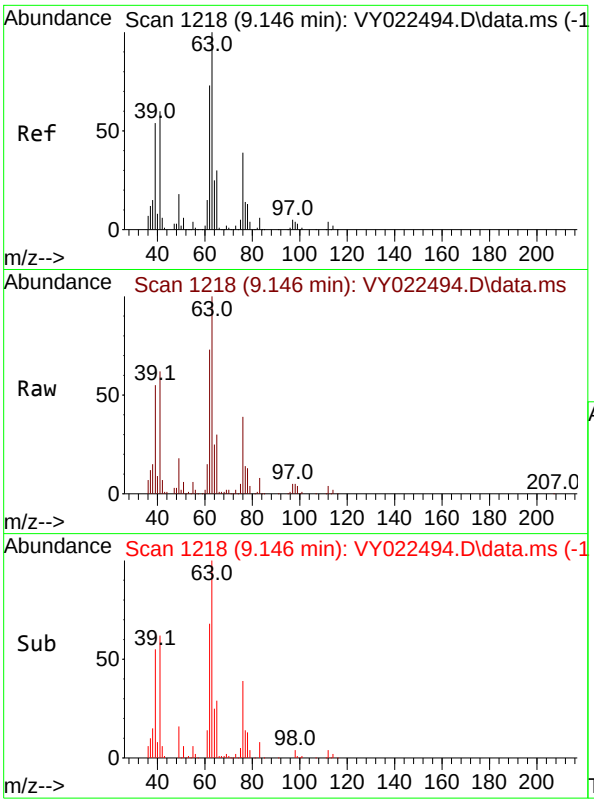


#44
Trichloroethene
Concen: 51.843 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:130 Resp: 124670

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

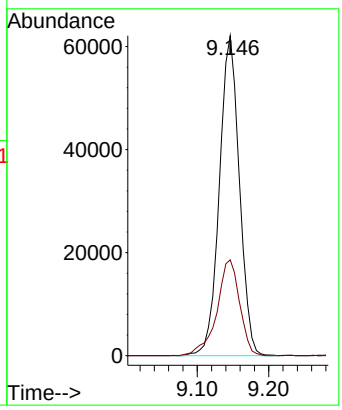




#45
1,2-Dichloropropane
Concen: 51.415 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 12066

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
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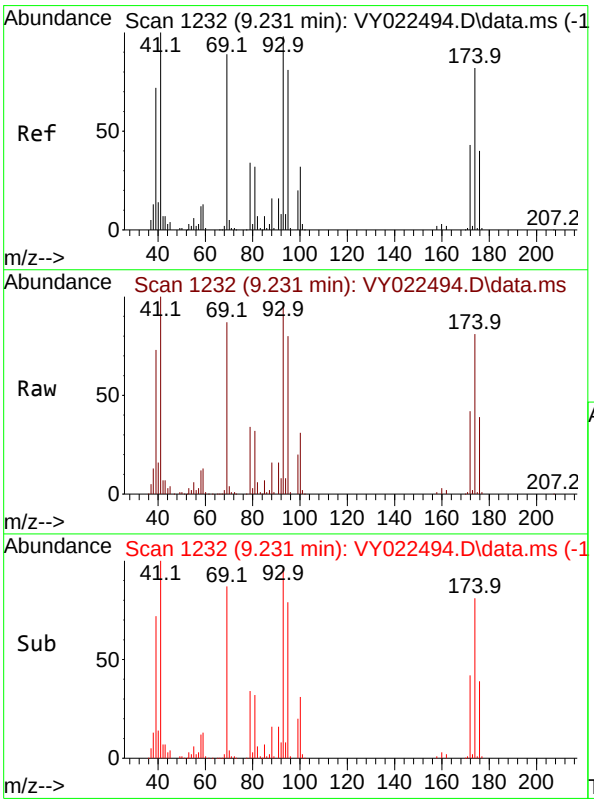
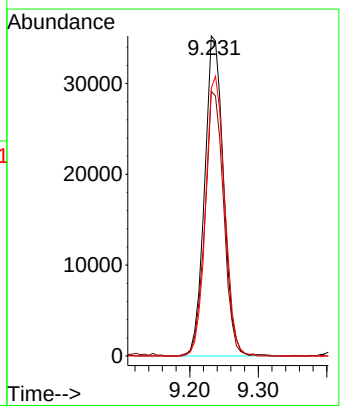
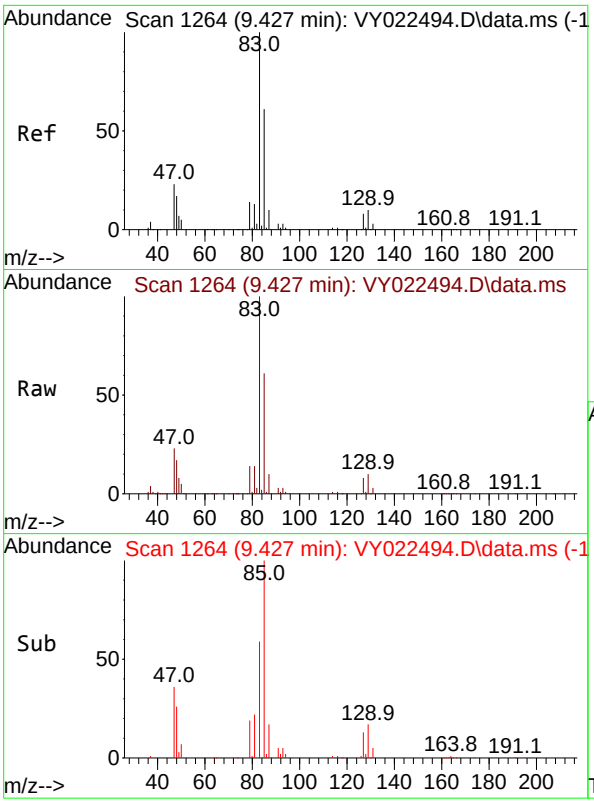


#46
Dibromomethane
Concen: 51.485 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 93 Resp: 67690

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	88.0	70.4	105.6

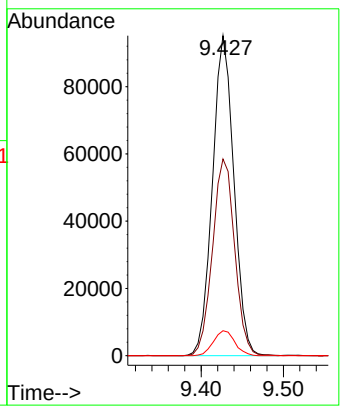




#47
Bromodichloromethane
Concen: 51.664 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 17234

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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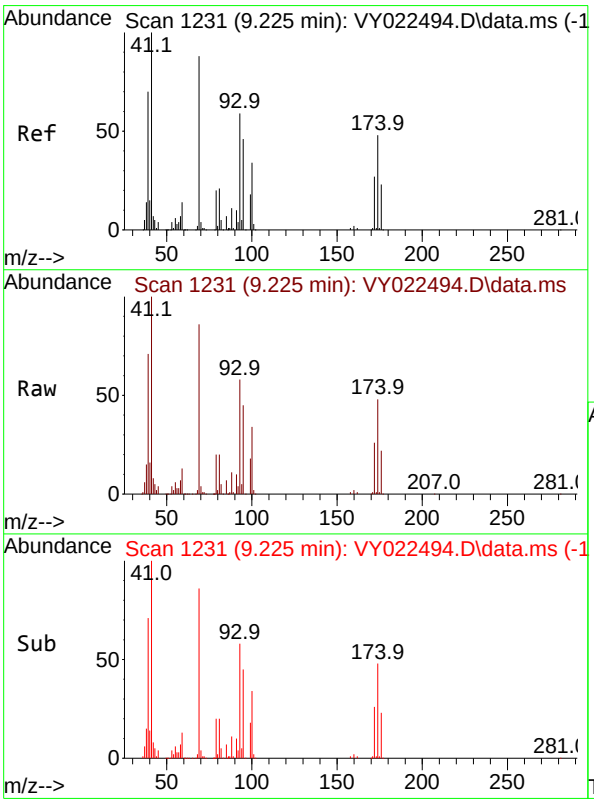
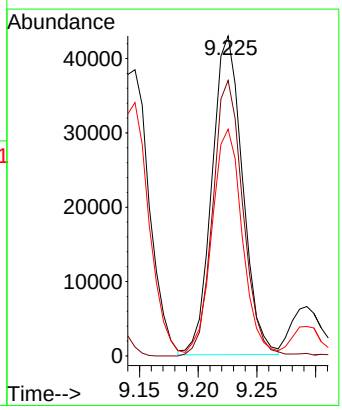
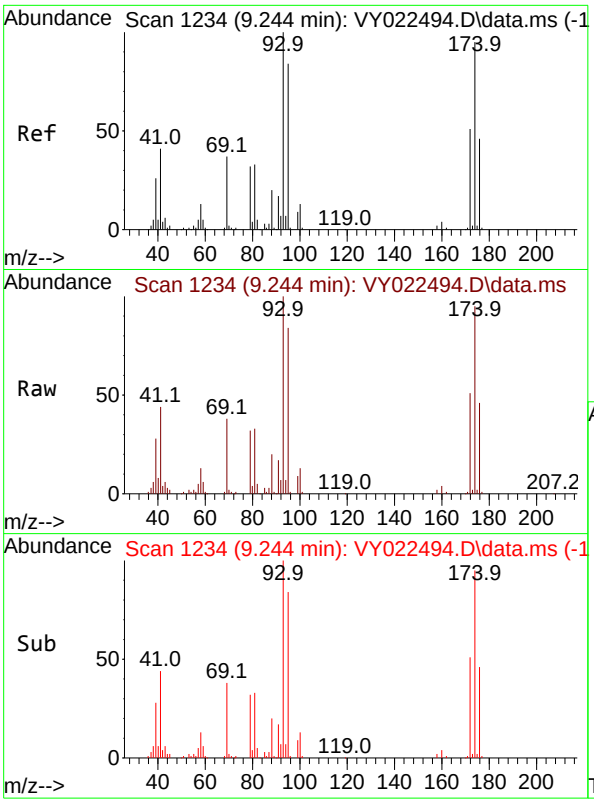


#48
Methyl methacrylate
Concen: 52.963 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 77885

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4

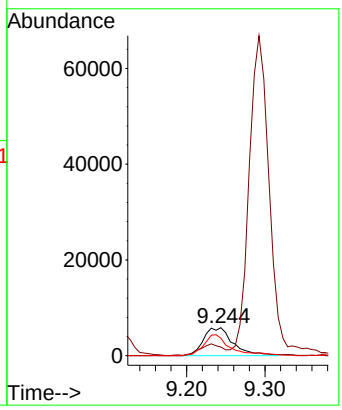




#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 88 Resp: 1533

Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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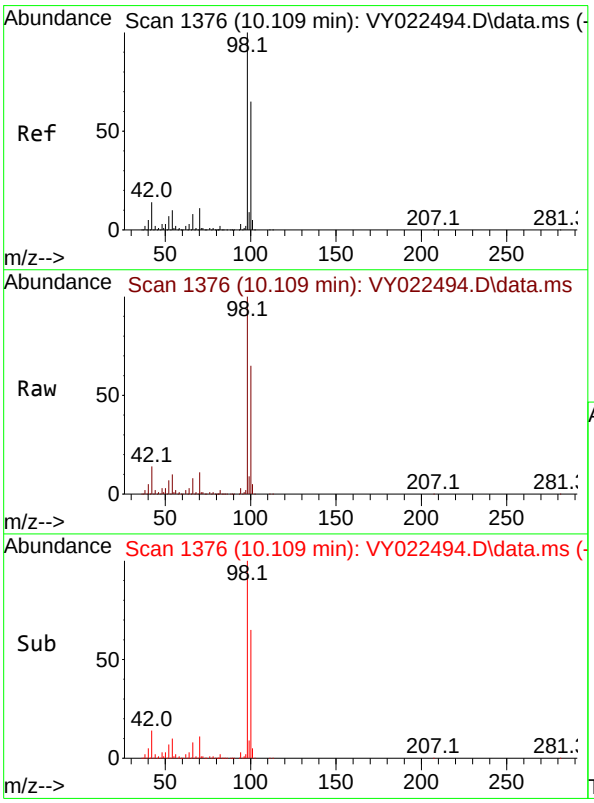
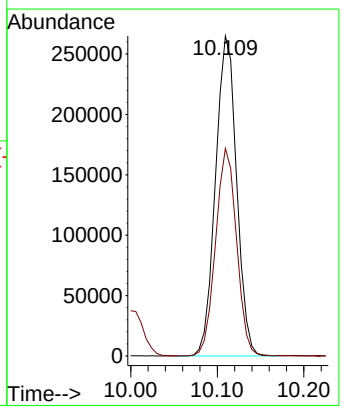
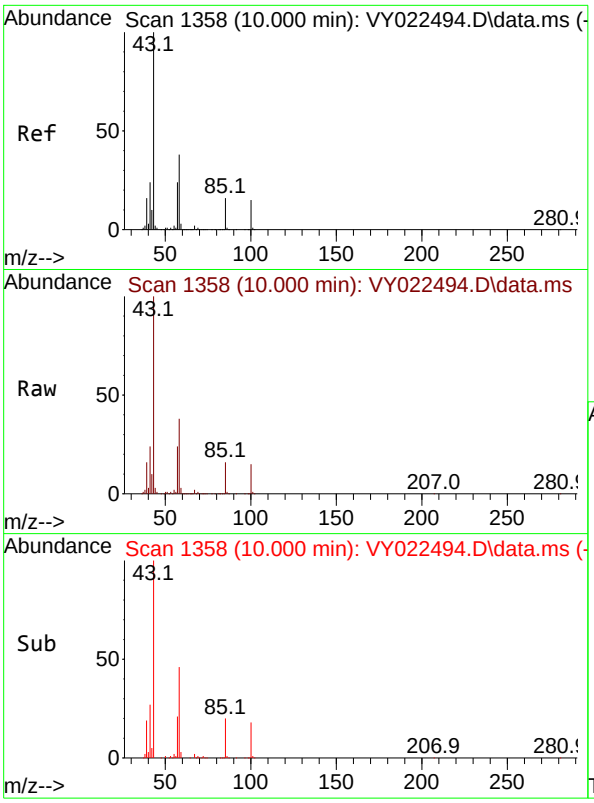


#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 98 Resp: 448690

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

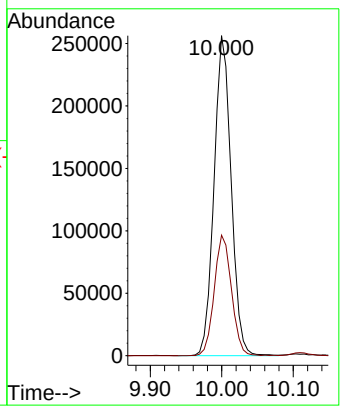




#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 42586

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6



Instrument :
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ClientSampleId :
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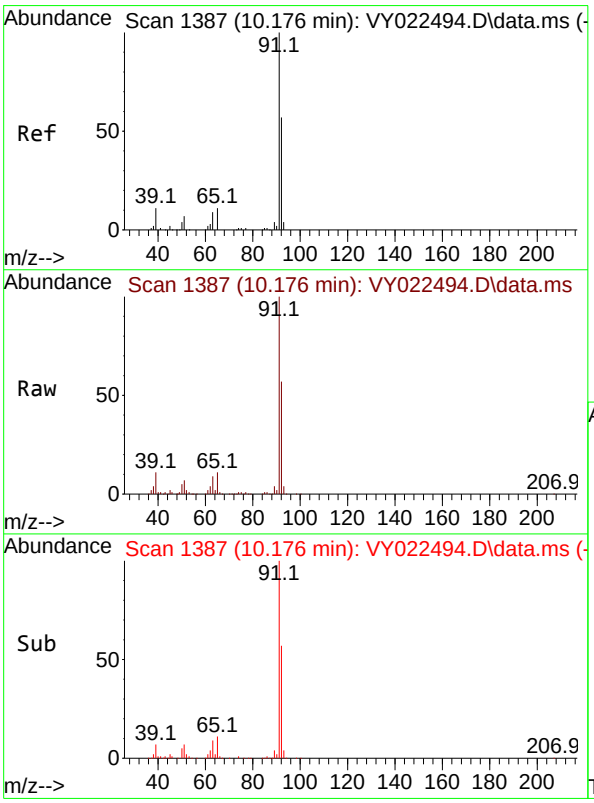
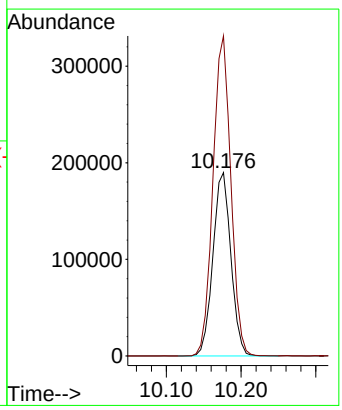
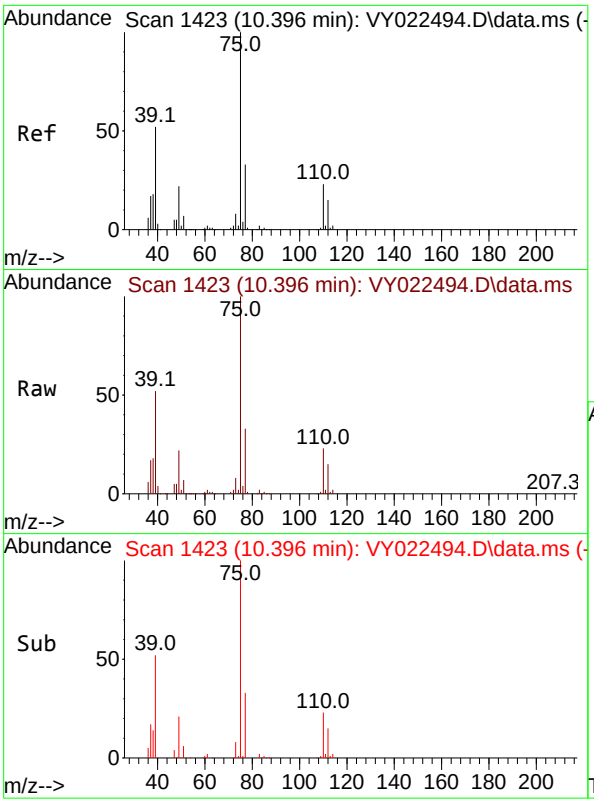


#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 92 Resp: 316972

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.0	208.4

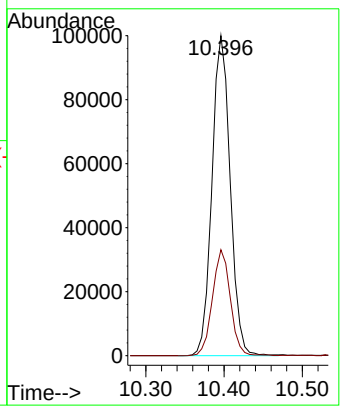




#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 16185

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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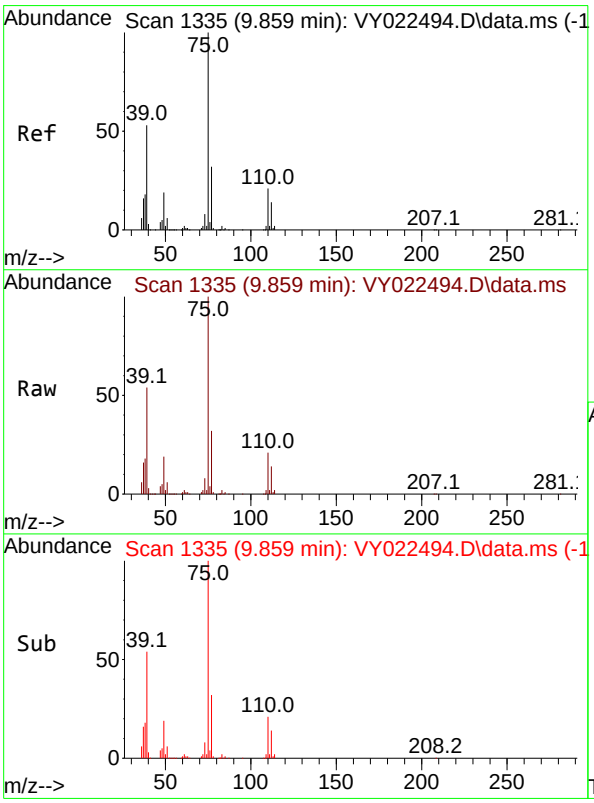
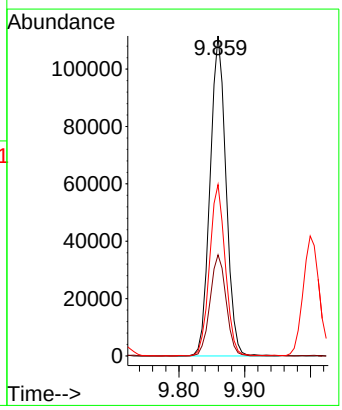
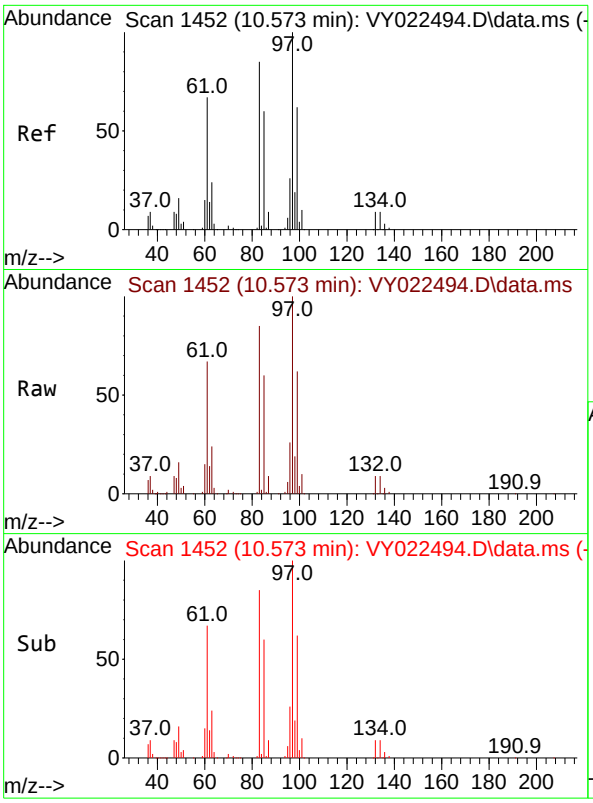


#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 188559

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	53.4	42.7	64.1

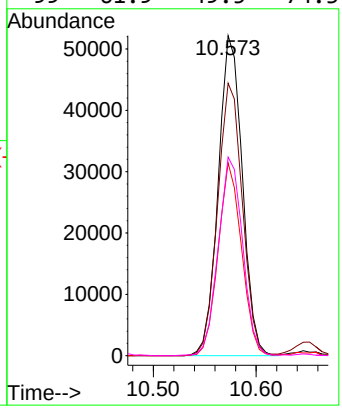




#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 8478

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	60.2	48.2	72.2
99	61.9	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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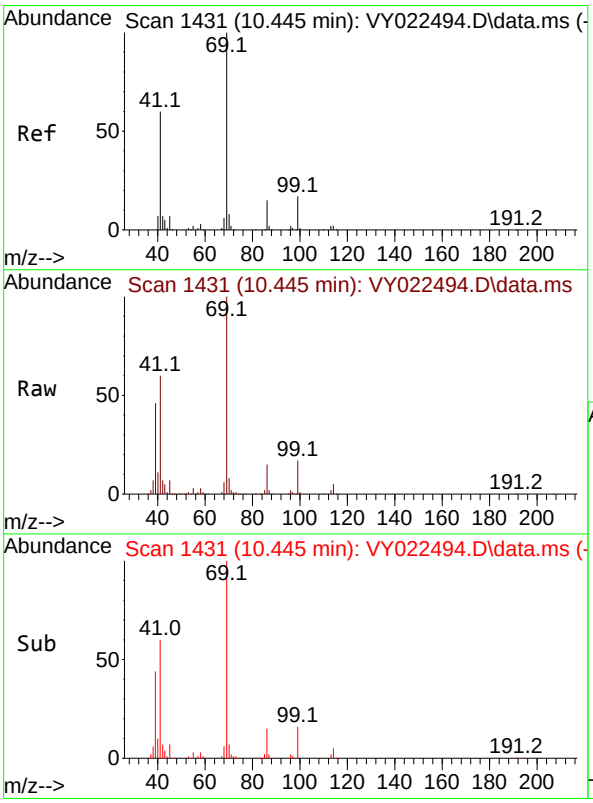
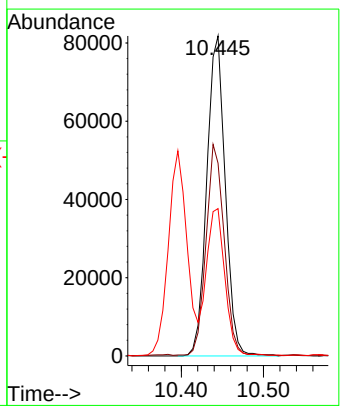
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

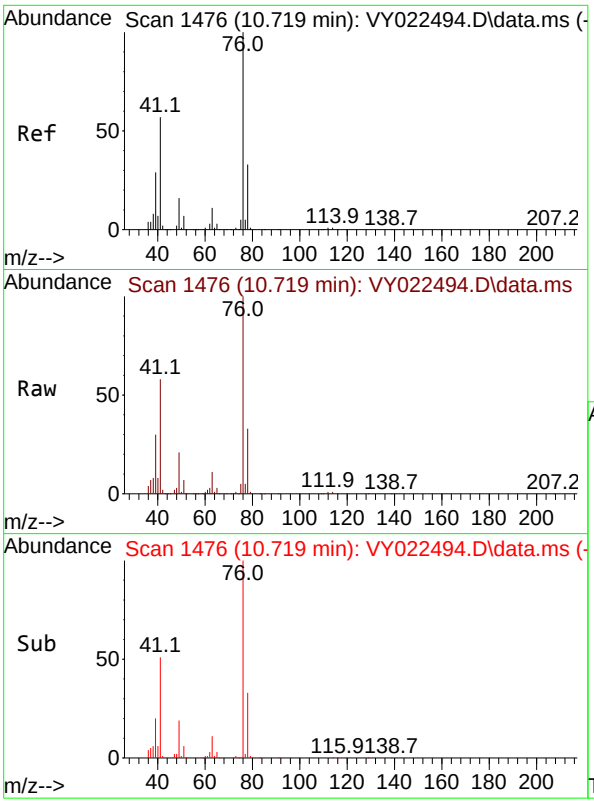


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 69 Resp: 127271

Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	45.9	36.7	55.1

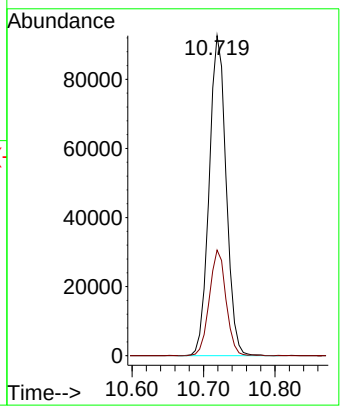




#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 15280

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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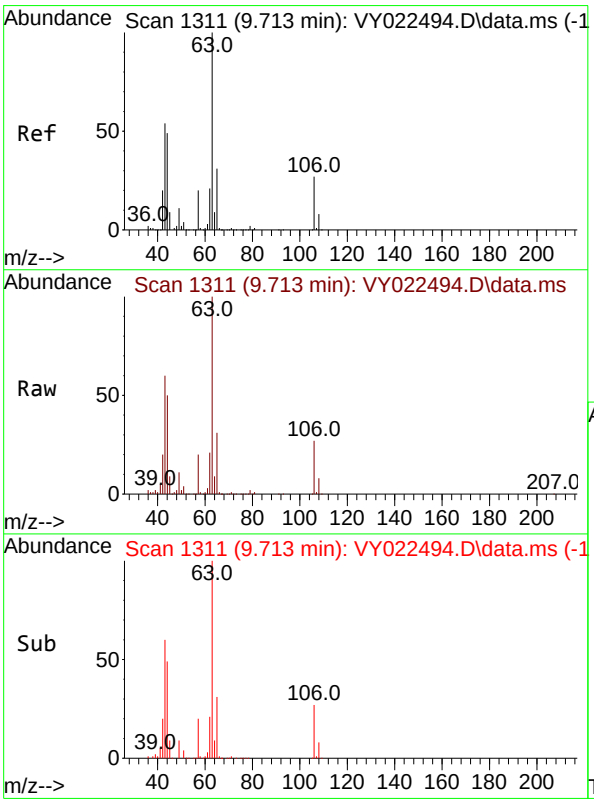
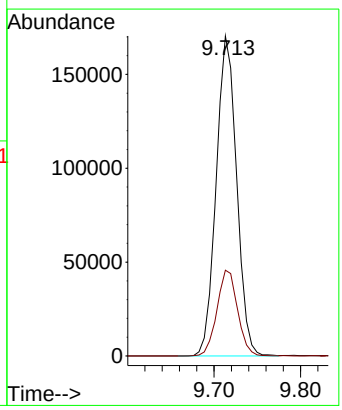
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

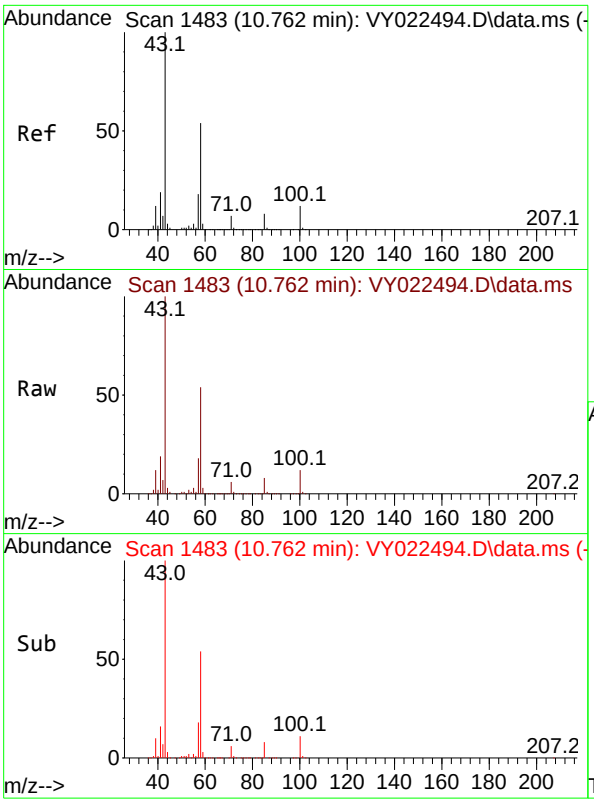


#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 28360

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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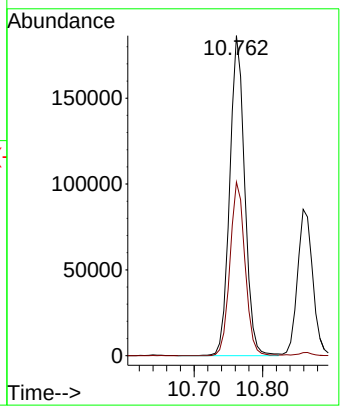
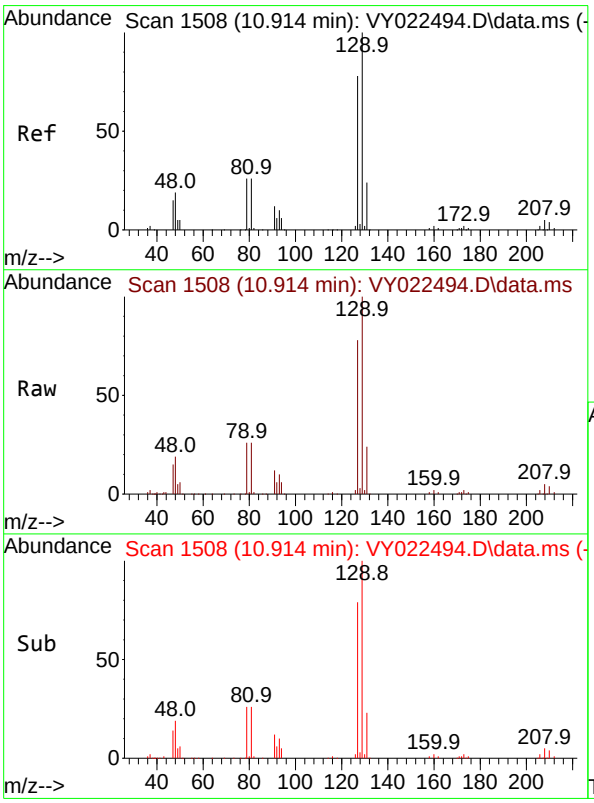
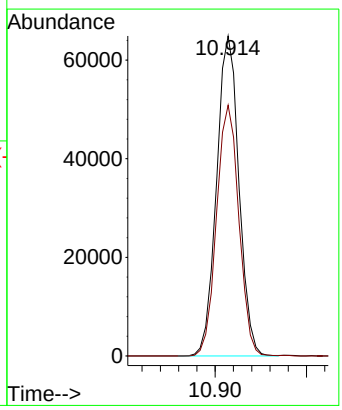


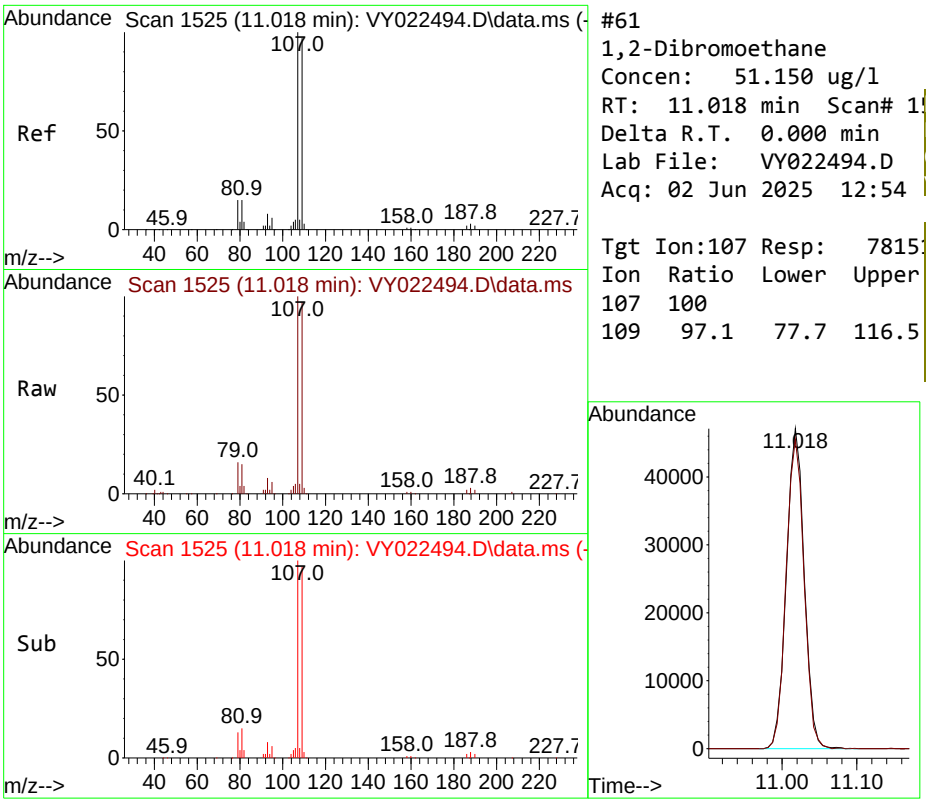


#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:129 Resp: 110314

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:107 Resp: 7815

Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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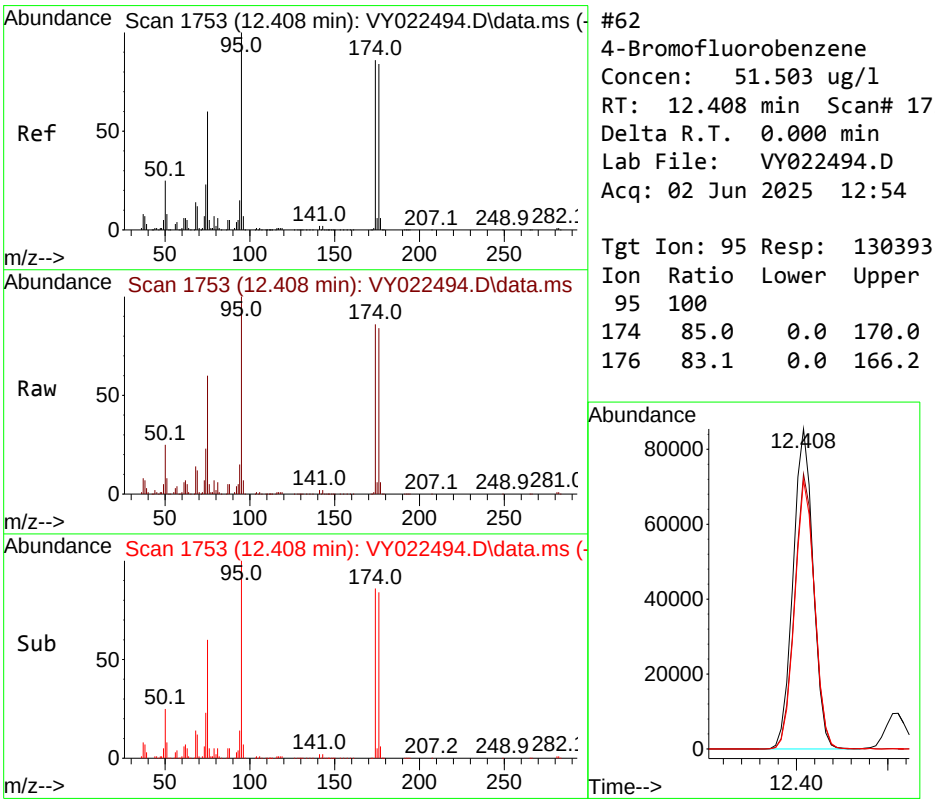
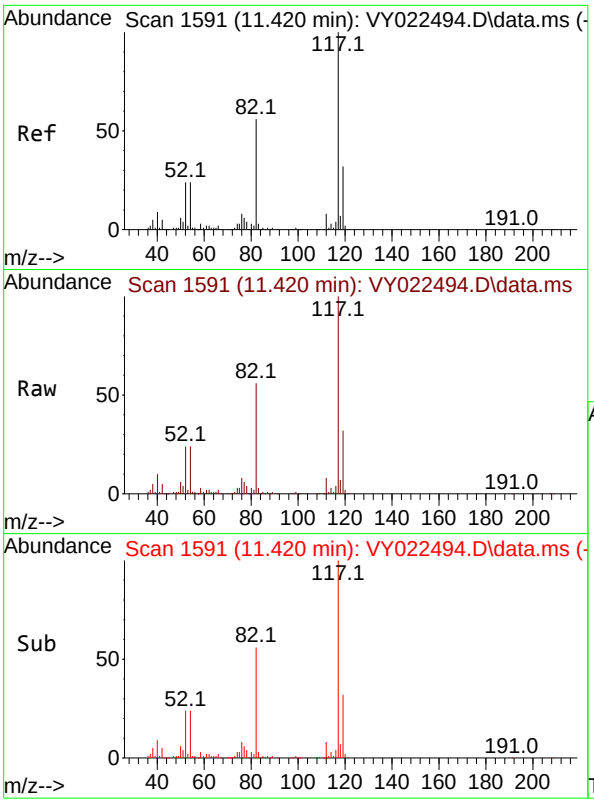
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 95 Resp: 130393

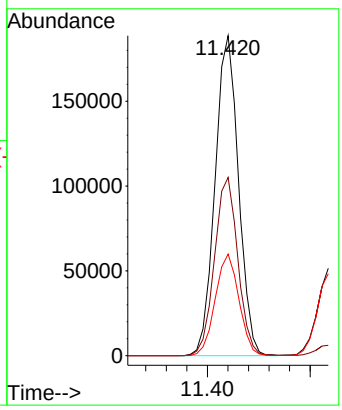
Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.1	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 29818

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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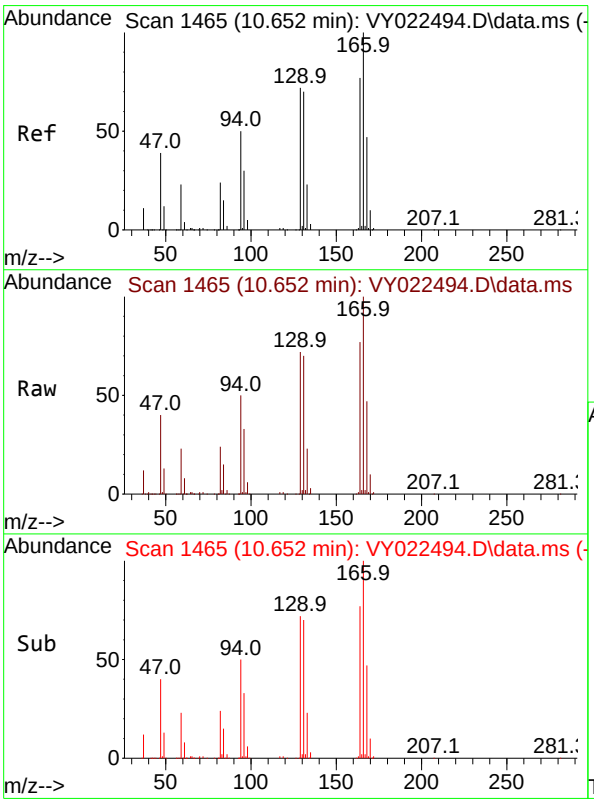
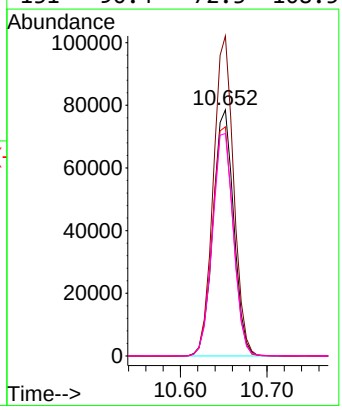
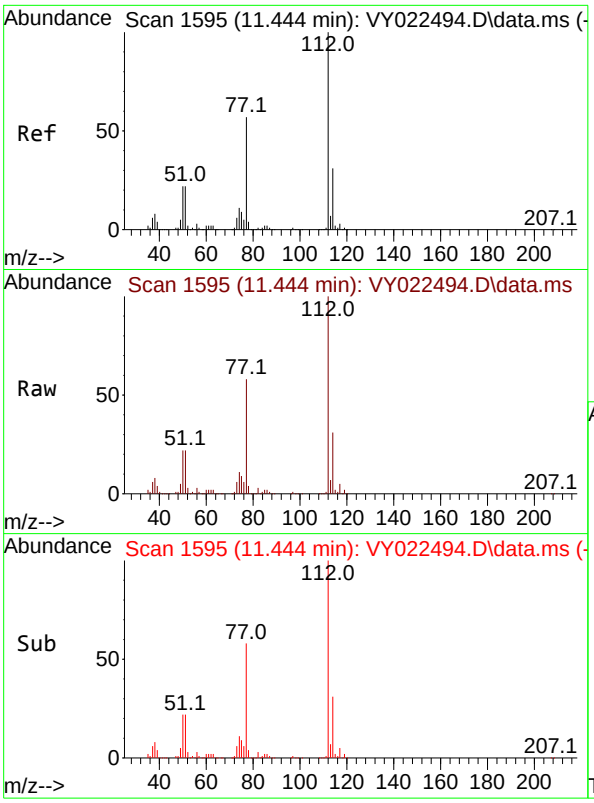


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:164 Resp: 130171

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.1	74.5	111.7
131	90.4	72.3	108.5

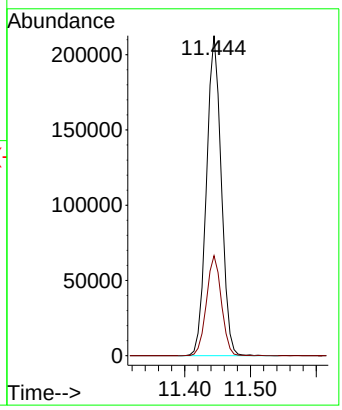




#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:112 Resp: 33264

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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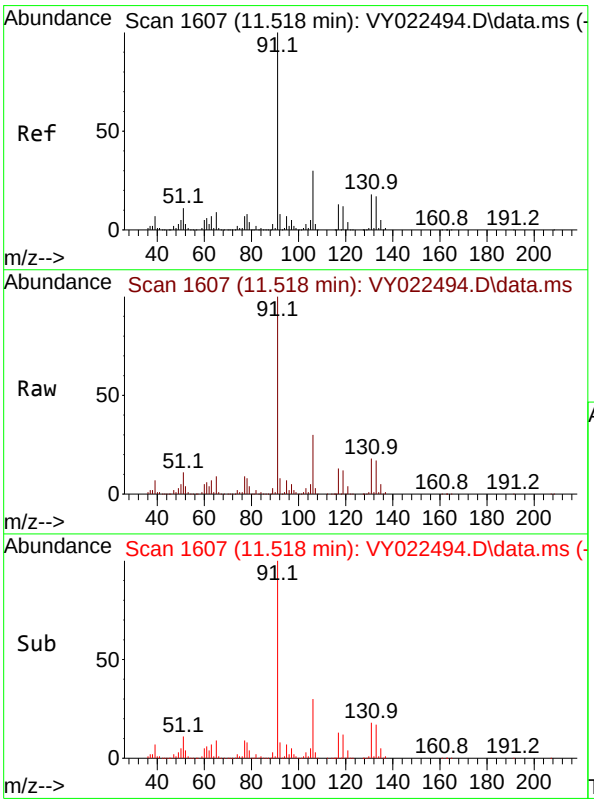
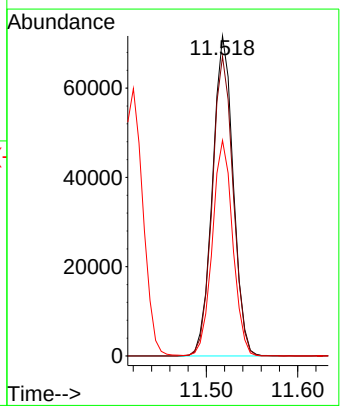
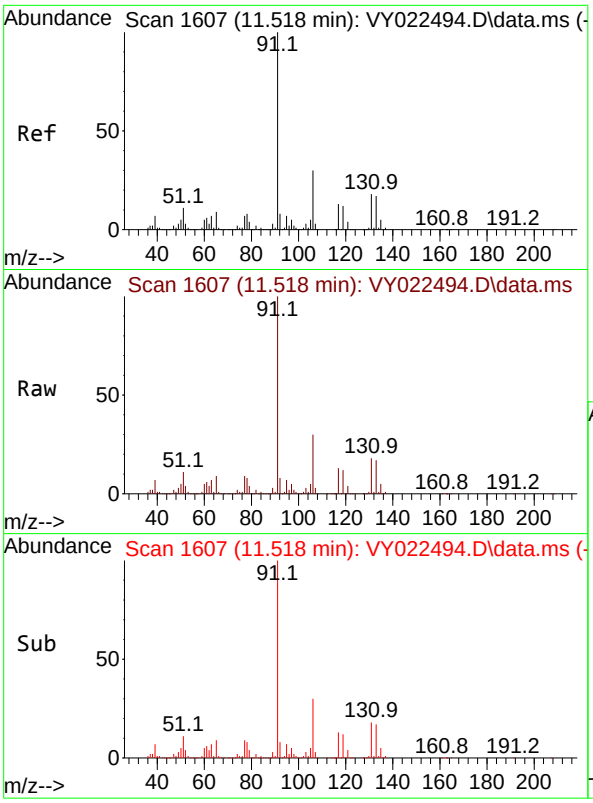


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	66.2	33.1	99.3





#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 62103

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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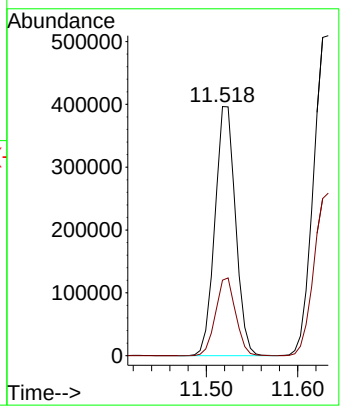
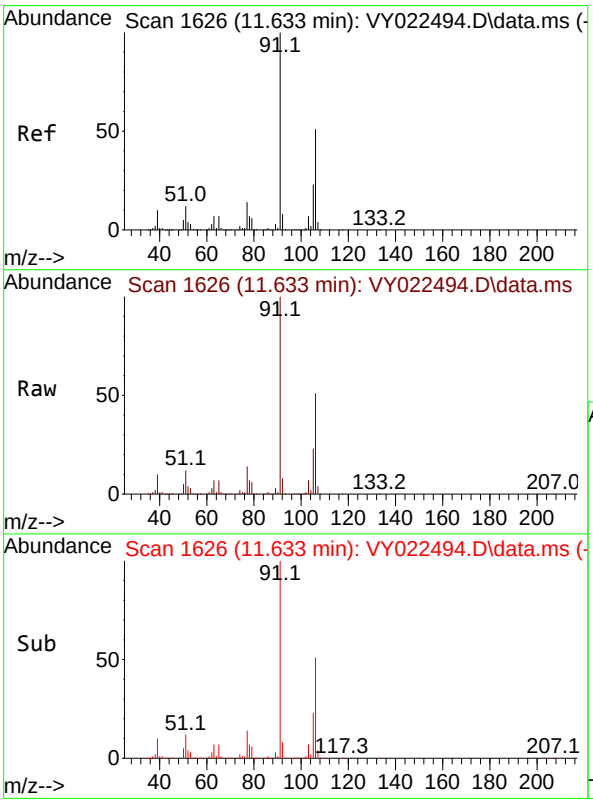
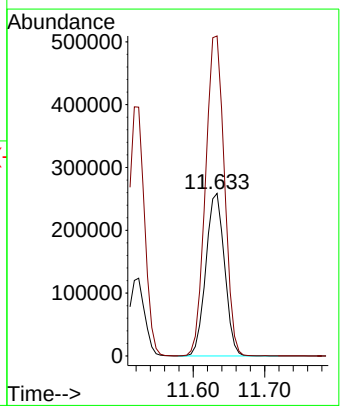


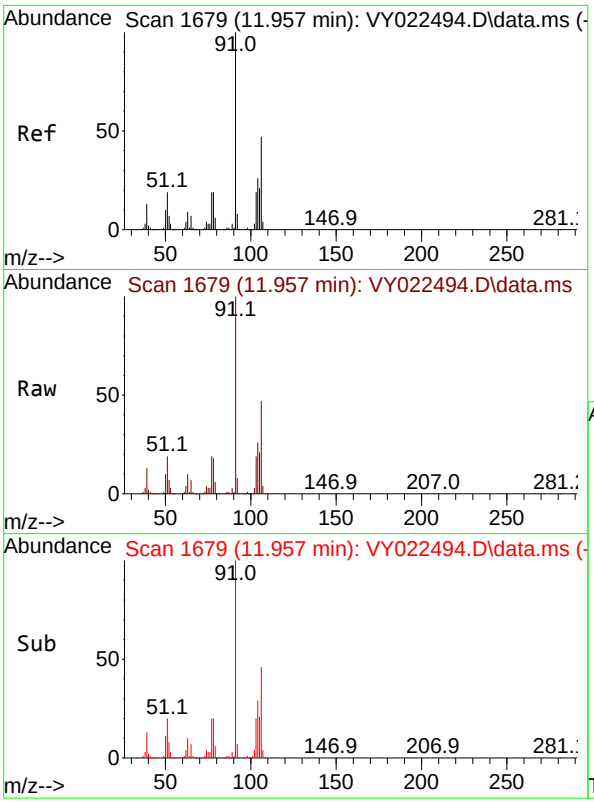


#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 468441

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0





#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 21876

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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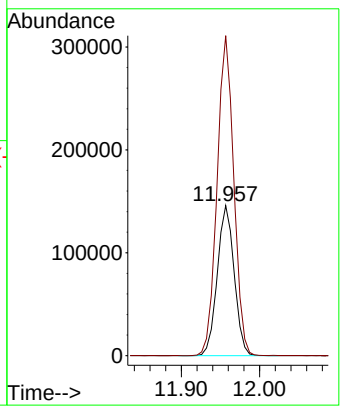
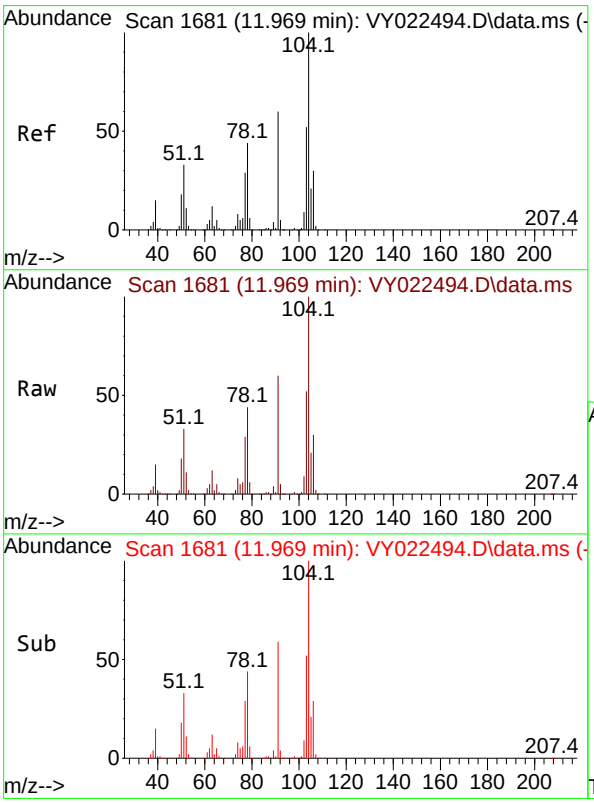
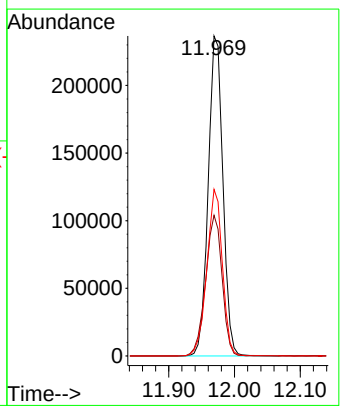


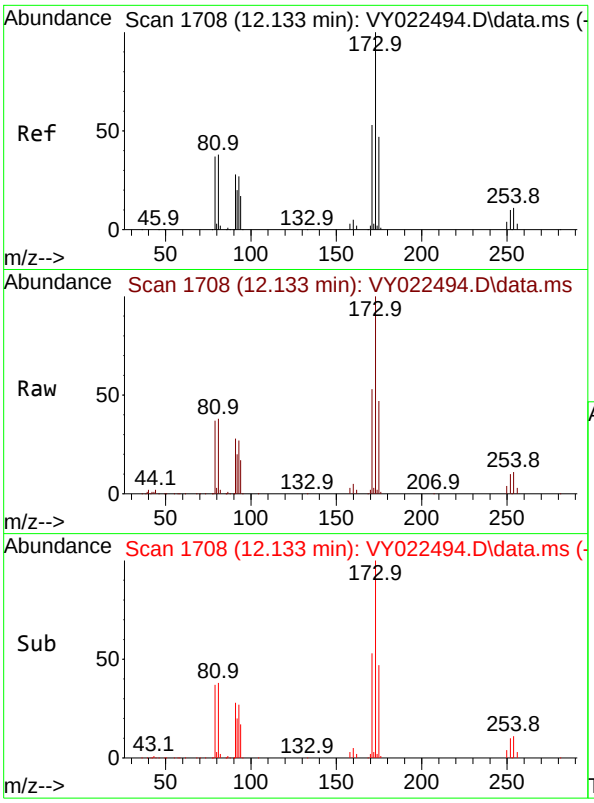


#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:104 Resp: 367553

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.5	59.3
103	55.1	44.1	66.1

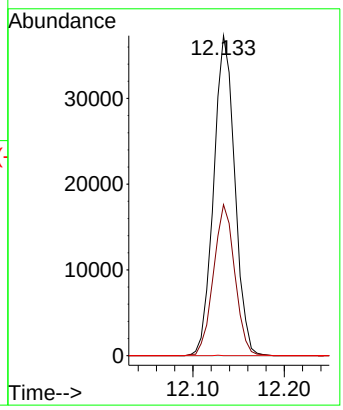




#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:173 Resp: 5988

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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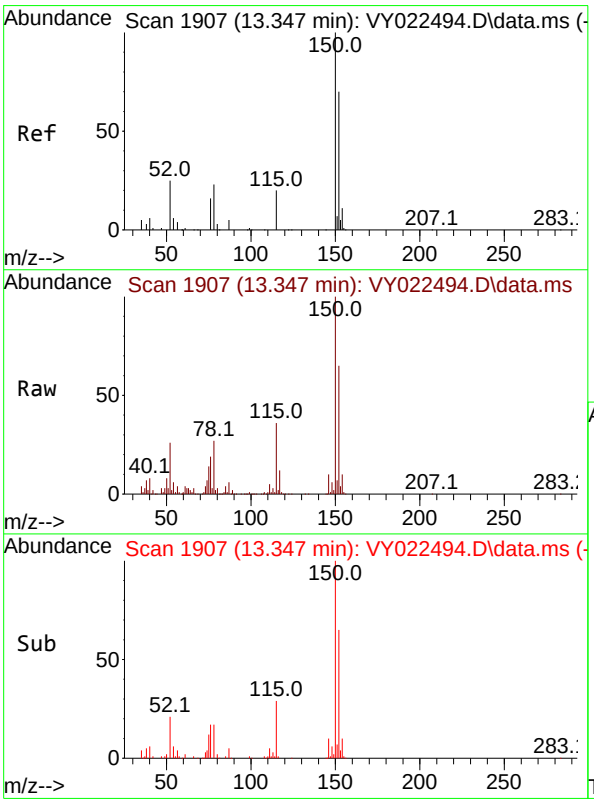
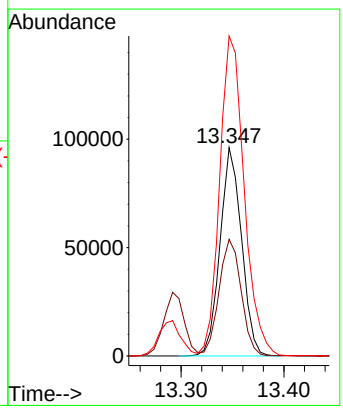
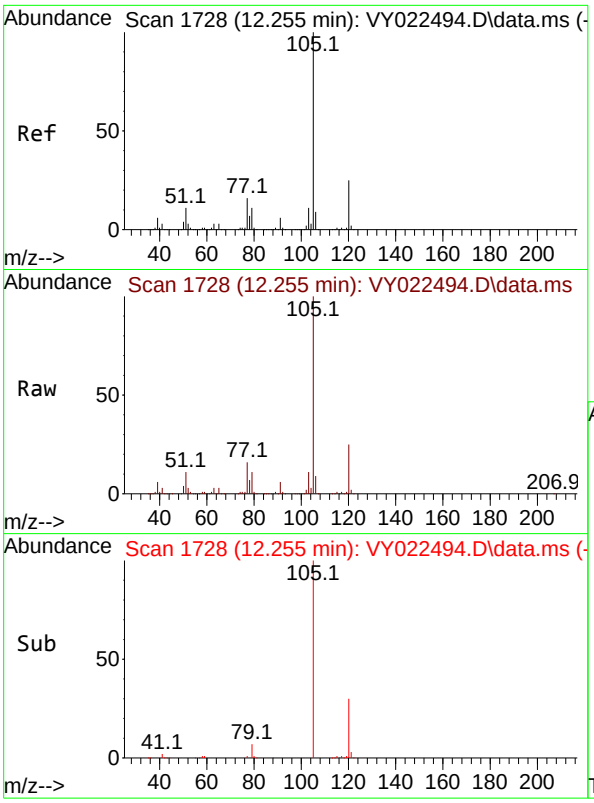


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:152 Resp: 139554

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	174.8	0.0	349.6

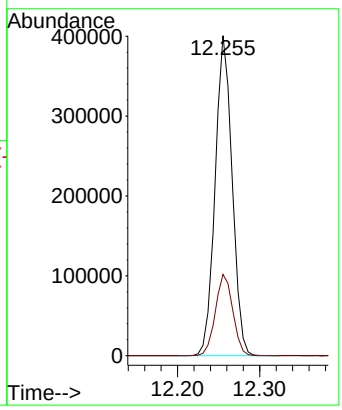




#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 57713

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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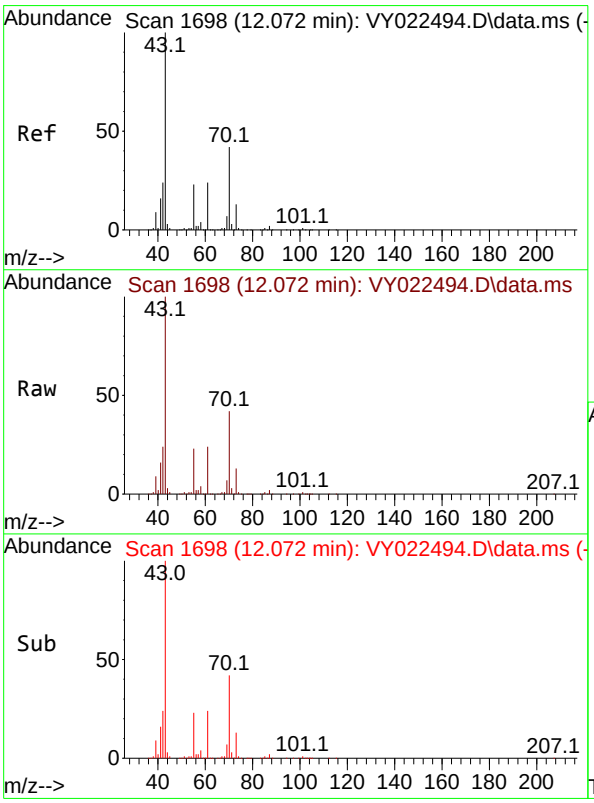
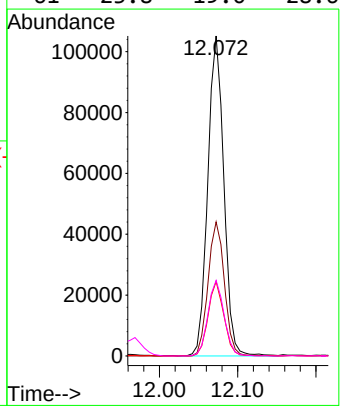
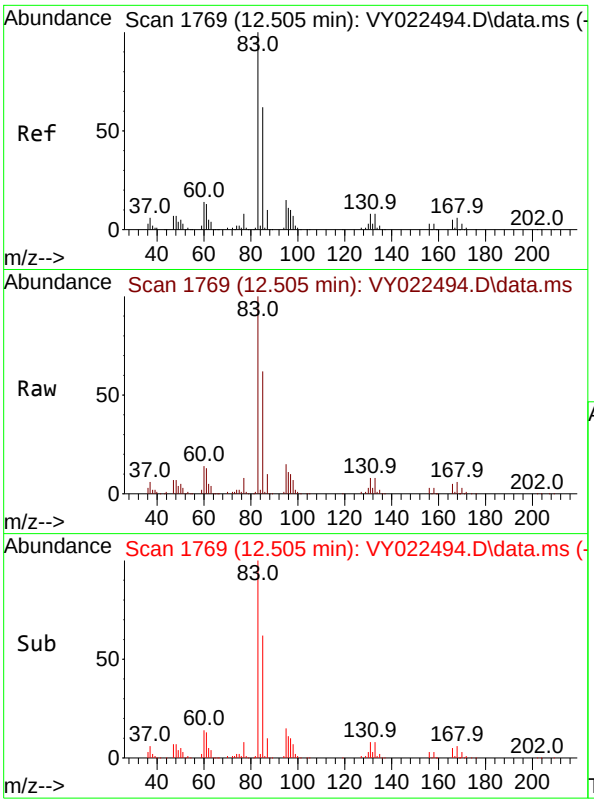


#74
N-amyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	22.8	18.2	27.4
61	23.8	19.0	28.6

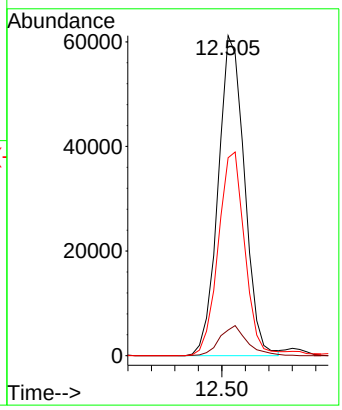




#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 9521

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.2	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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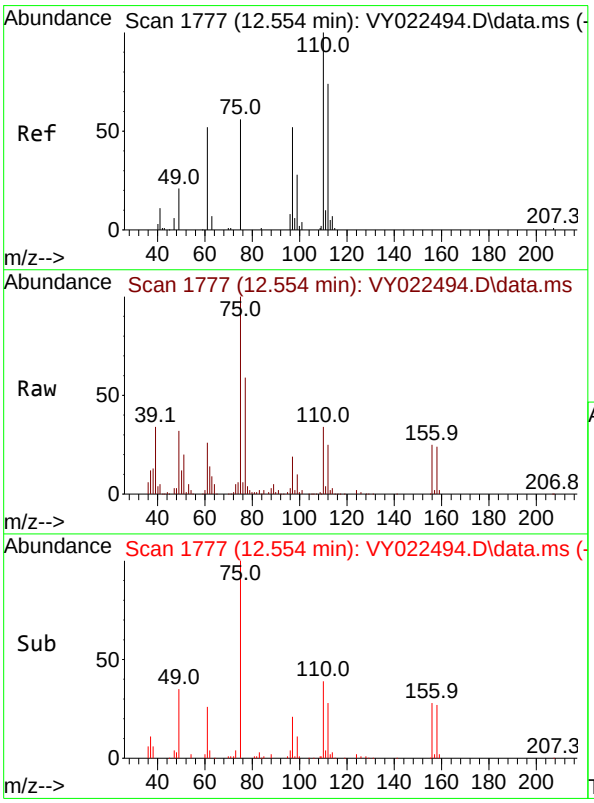
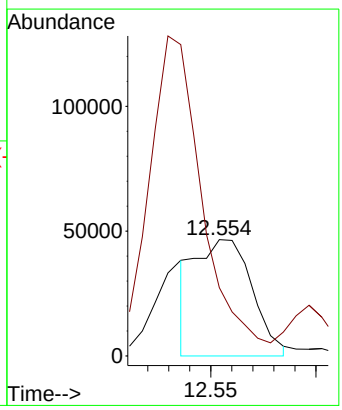
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

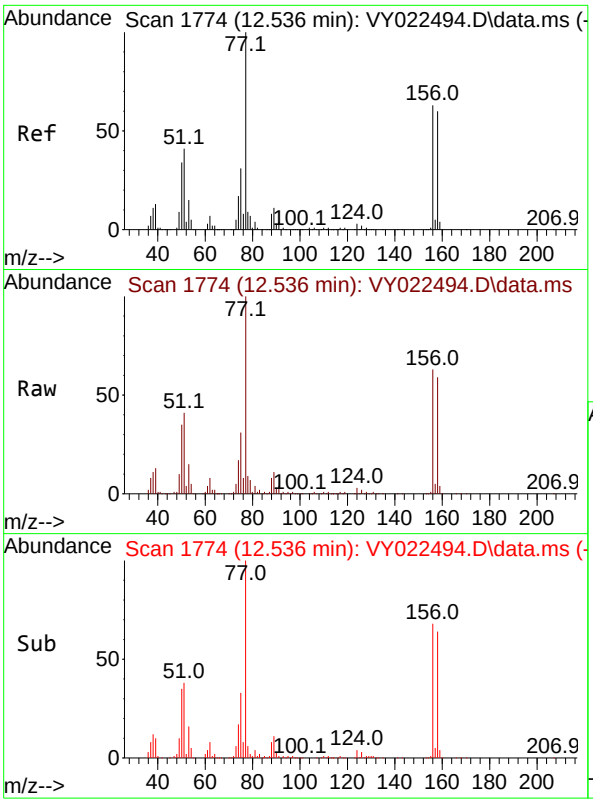


#76
1,2,3-Trichloropropane
Concen: 47.747 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 87965

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

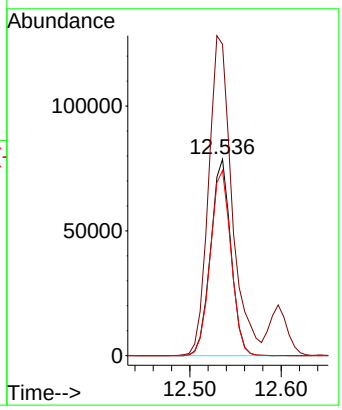




#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:156 Resp: 12109

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
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ClientSampleId :
VSTDICCC050

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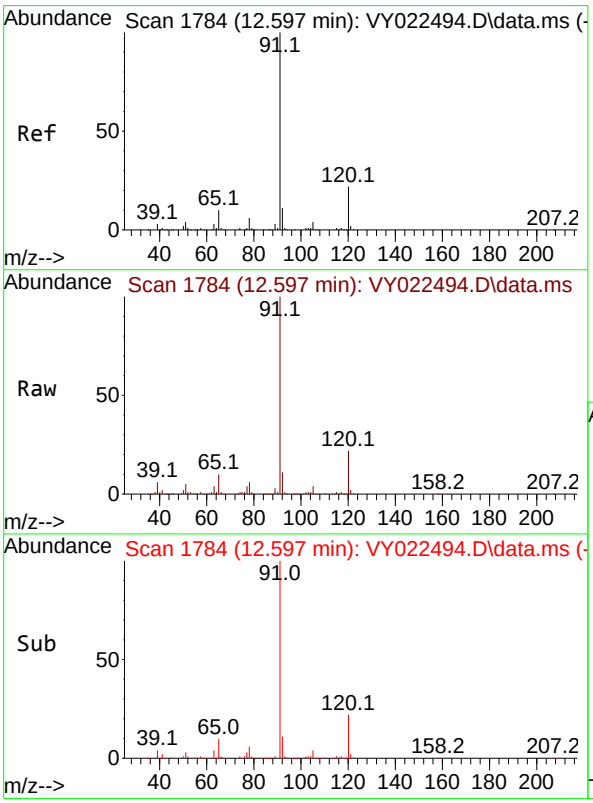
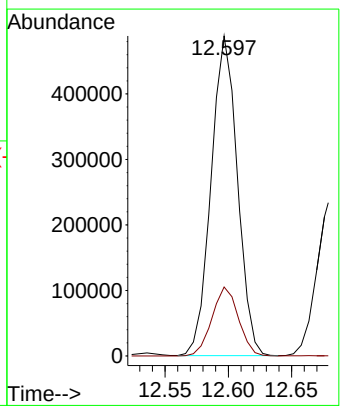
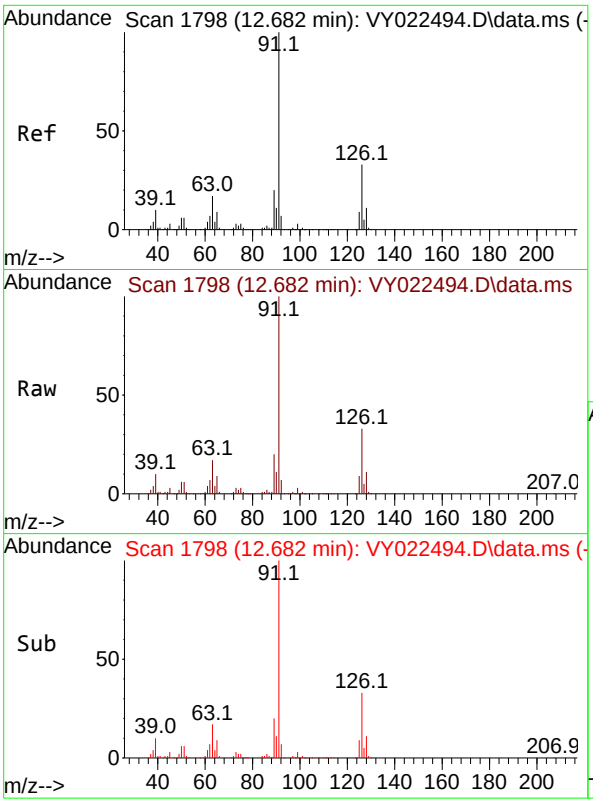


#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4

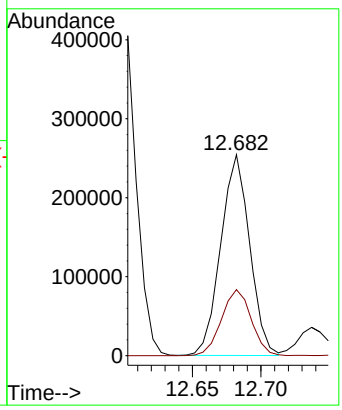




#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 37340

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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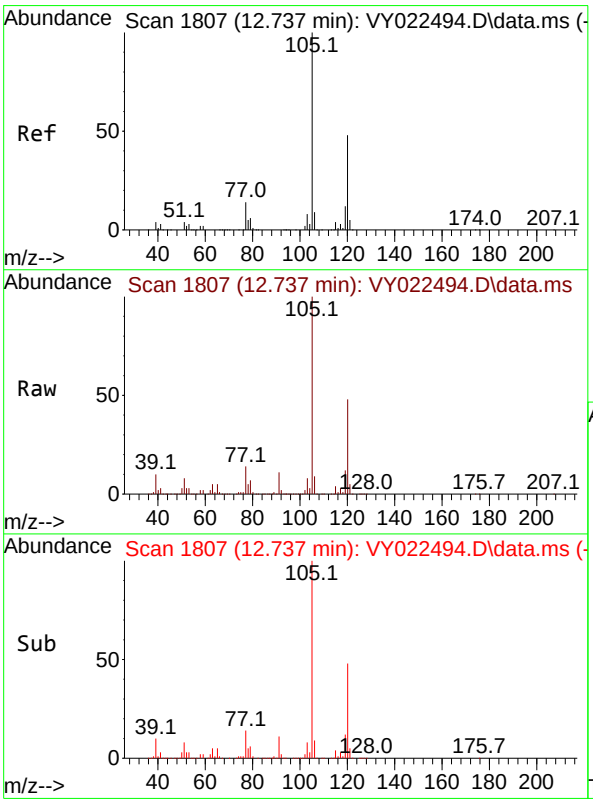
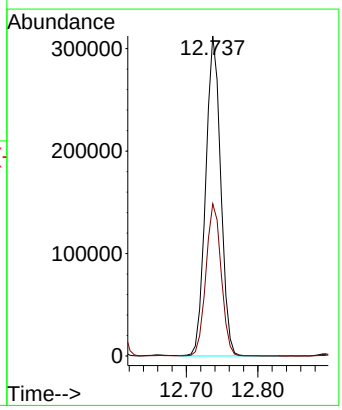
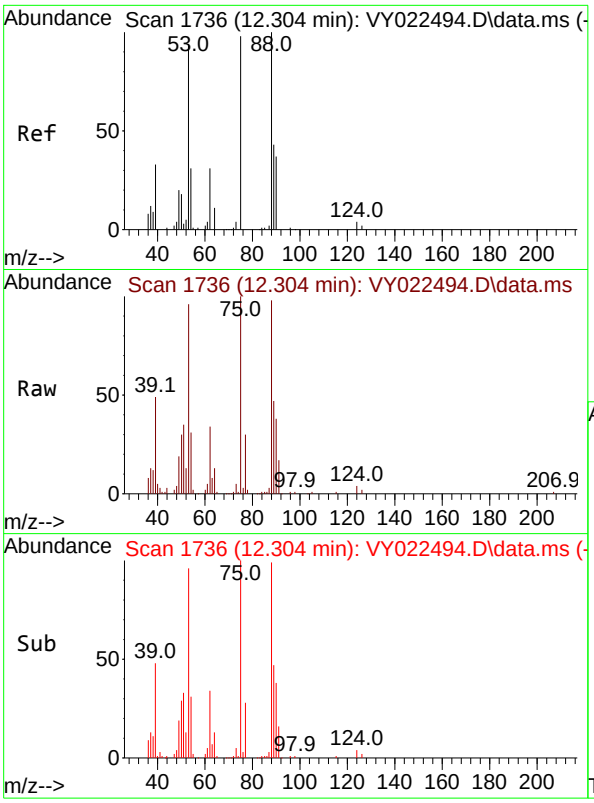


#80
1,3,5-Trimethylbenzene
Concen: 51.754 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 455006

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4

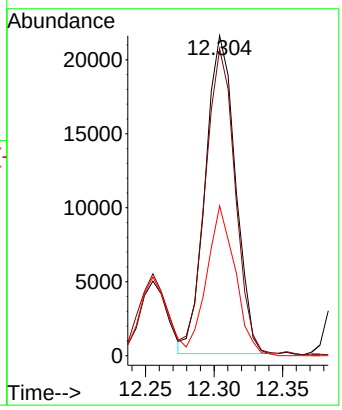




#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 3263

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	44.6	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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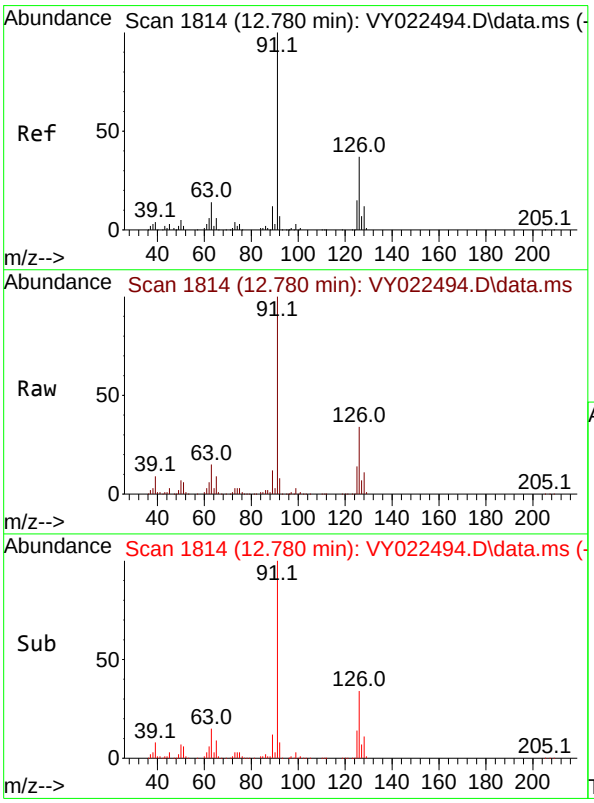
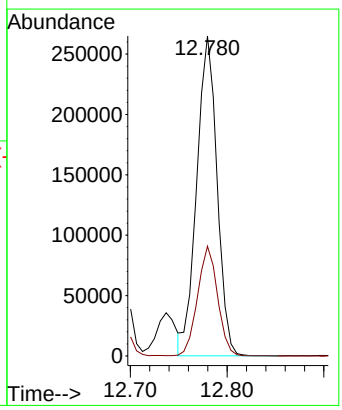
Supervised By :Mahesh Dadoda 06/03/2025

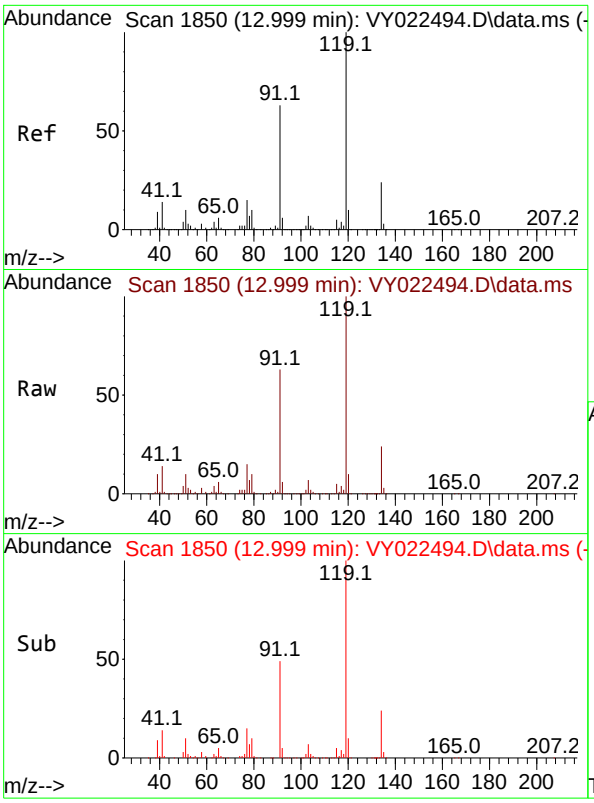


#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

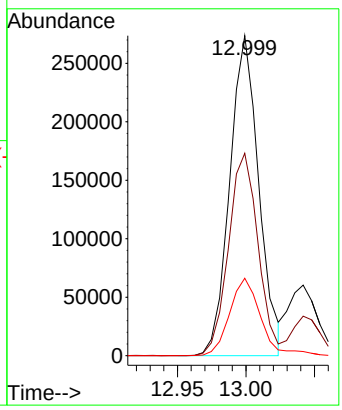




#83
tert-Butylbenzene
Concen: 50.438 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 40451

Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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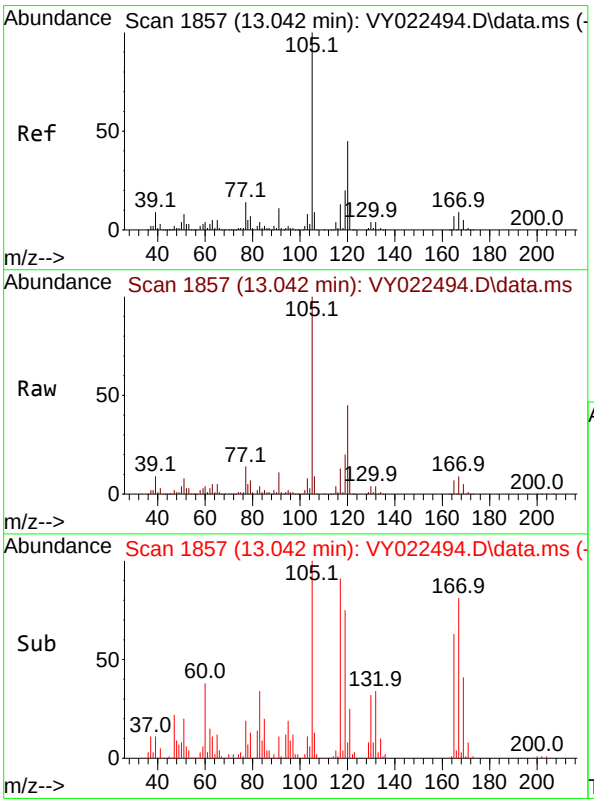
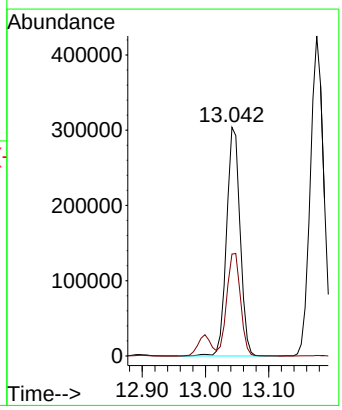
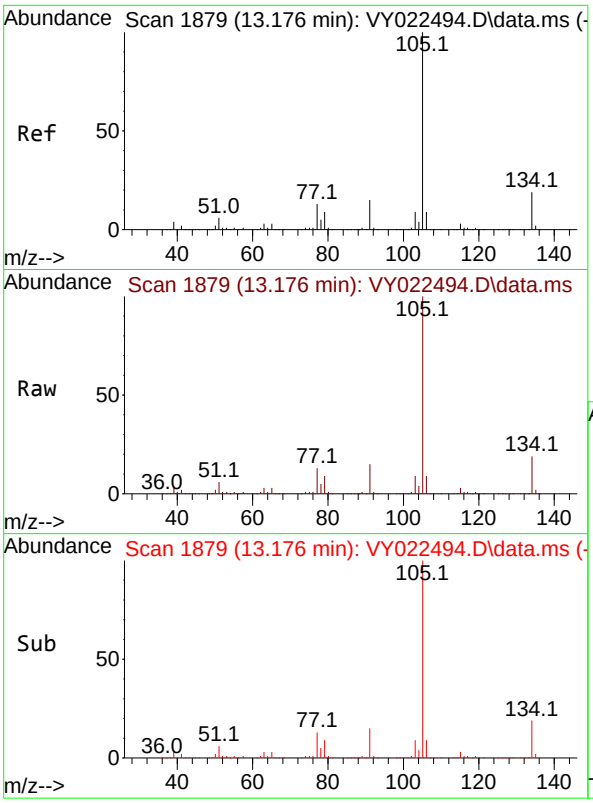


#84
1,2,4-Trimethylbenzene
Concen: 51.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 449372

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1

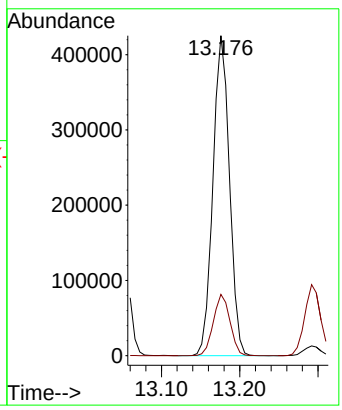




#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 62318

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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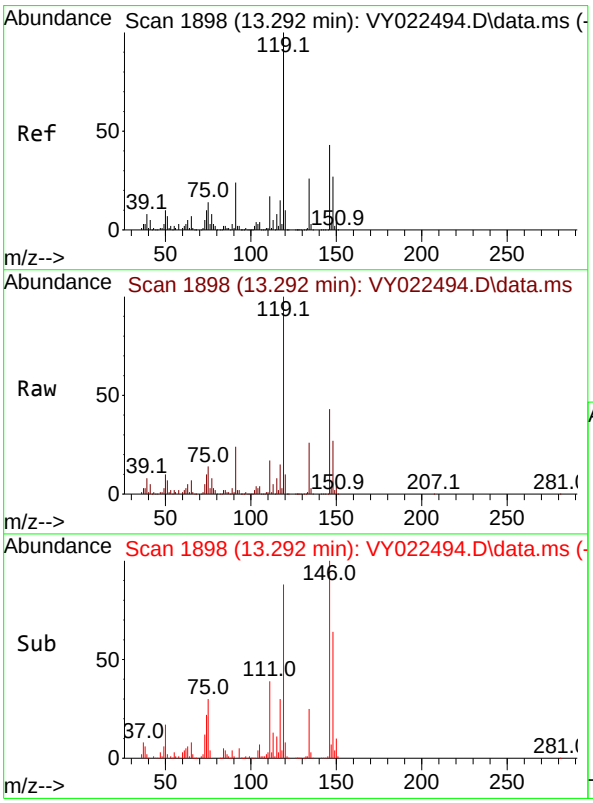
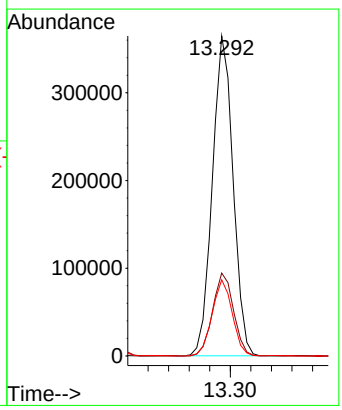
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

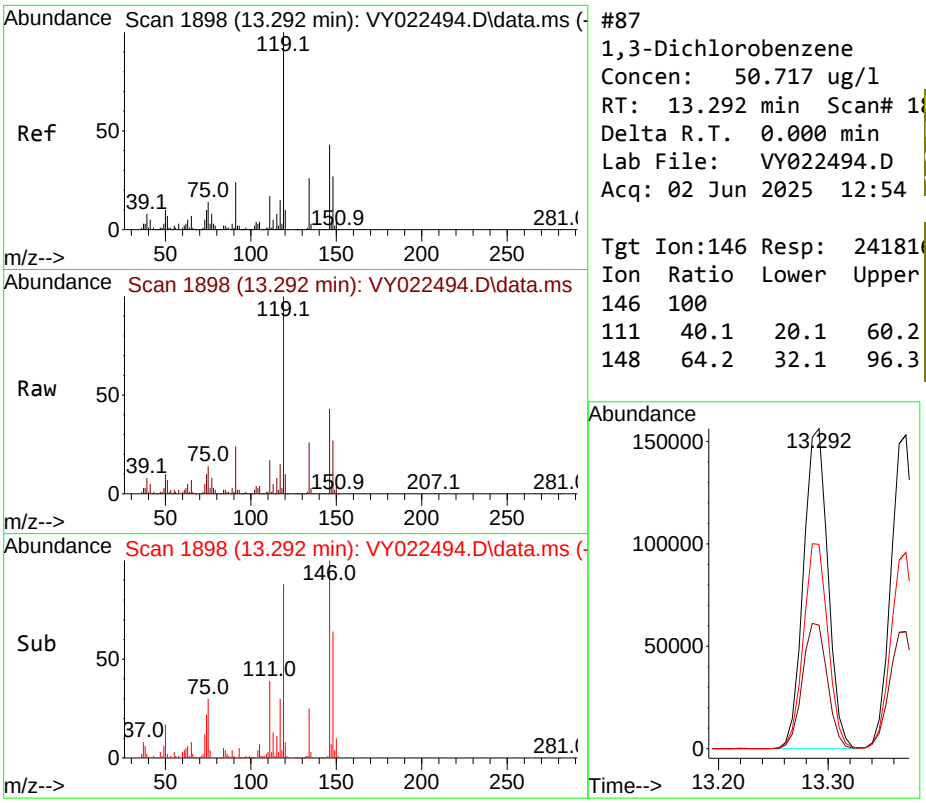


#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 50.717 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 24181

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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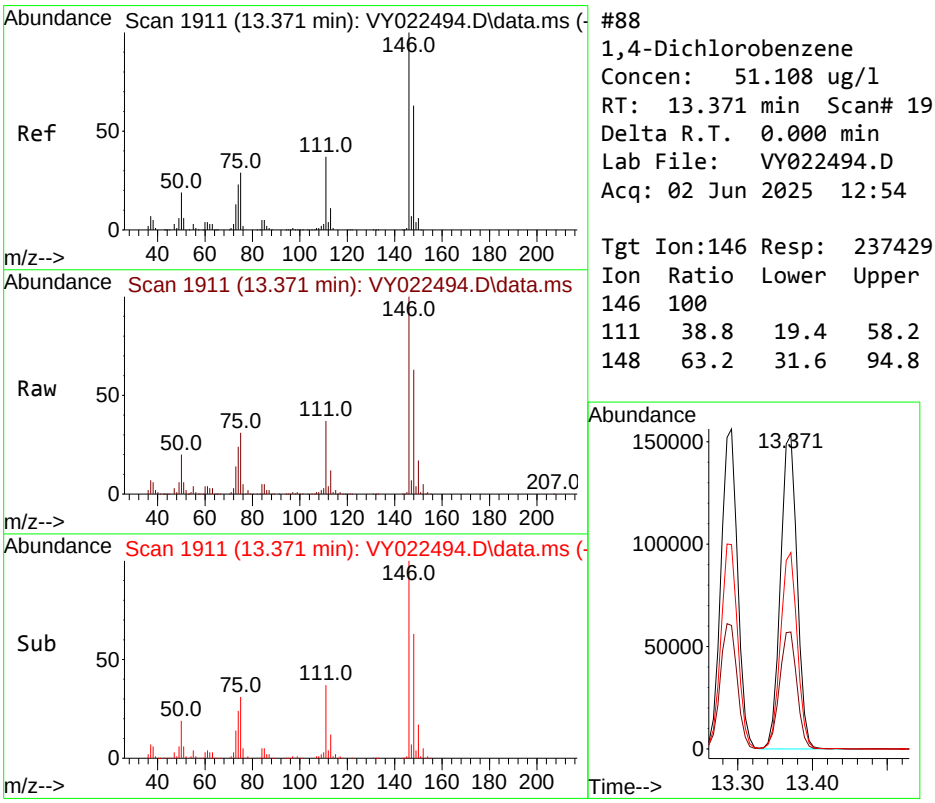
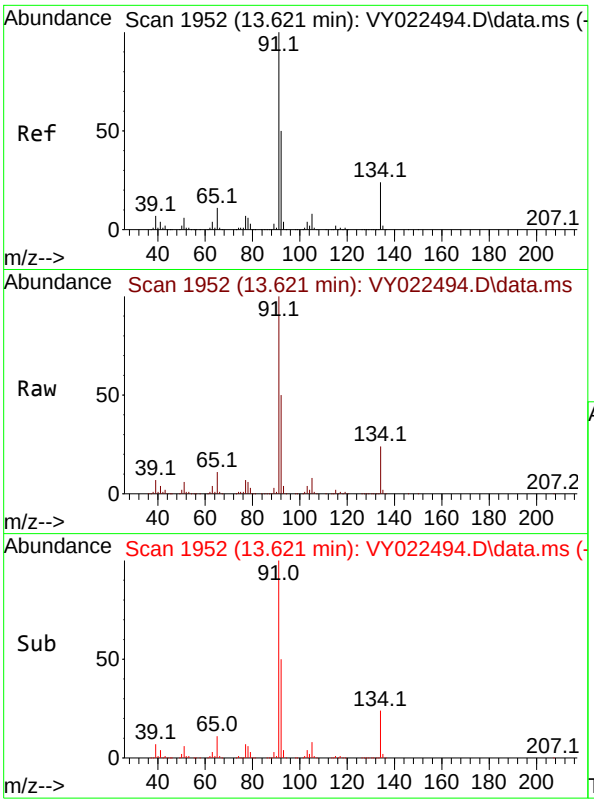


#88
1,4-Dichlorobenzene
Concen: 51.108 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 237429

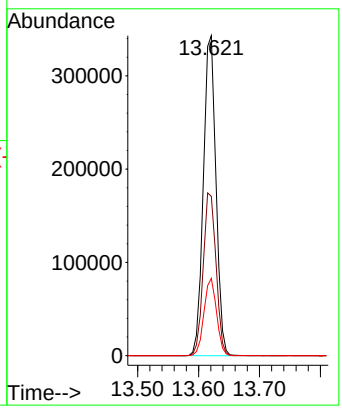
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.2	31.6	94.8



#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 49315

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
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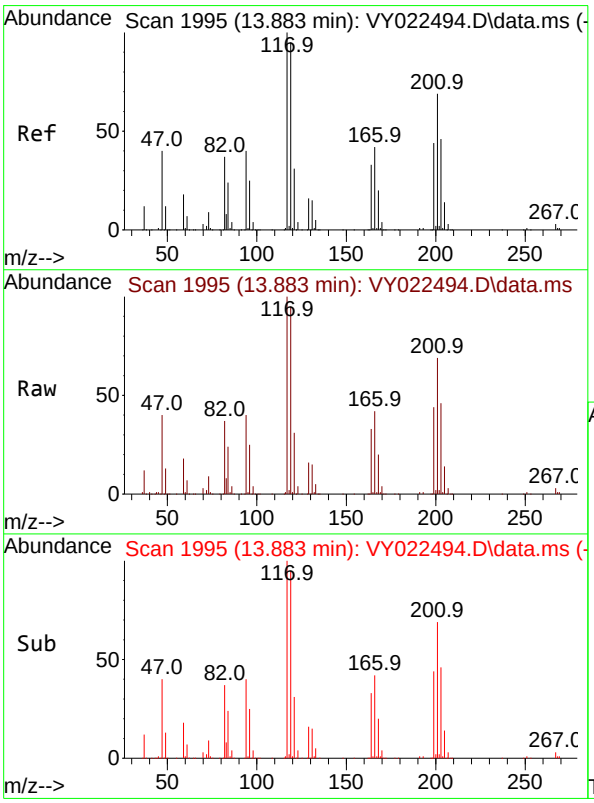
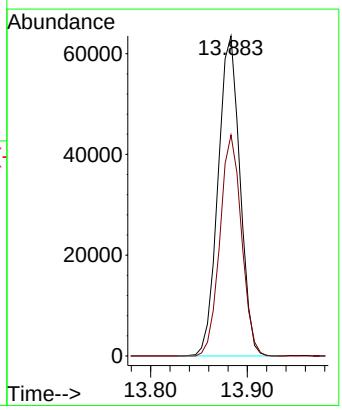
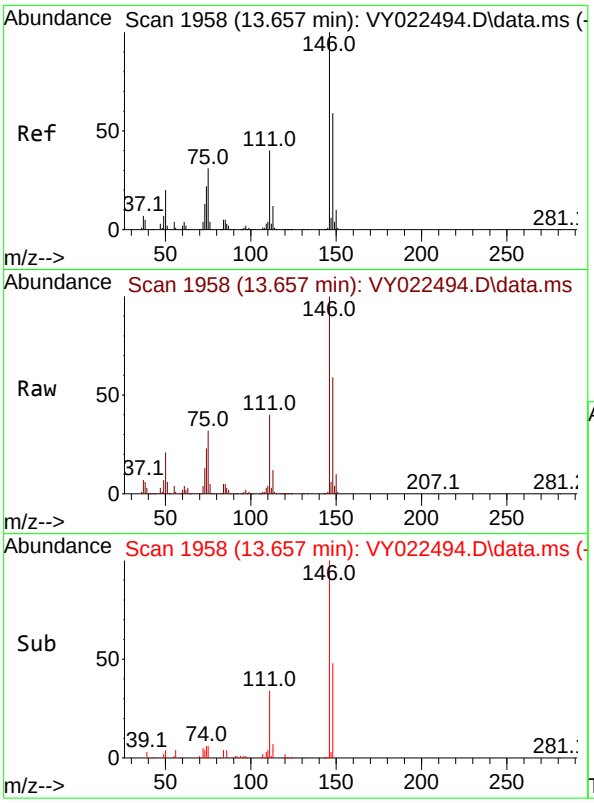


#90
Hexachloroethane
Concen: 51.068 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 99901

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0

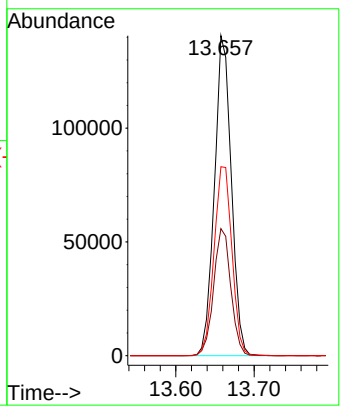




#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 21106

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0



Instrument :
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ClientSampleId :
VSTDICCC050

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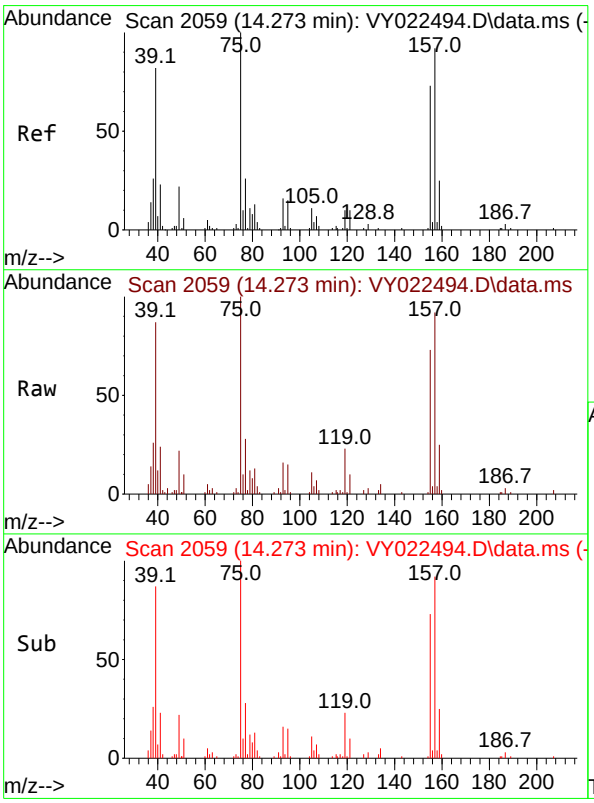
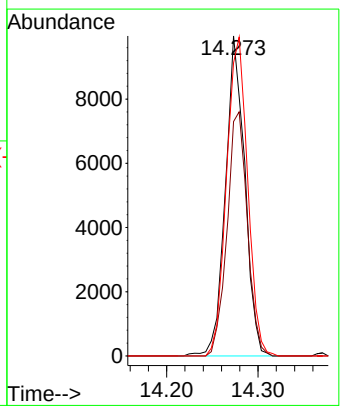
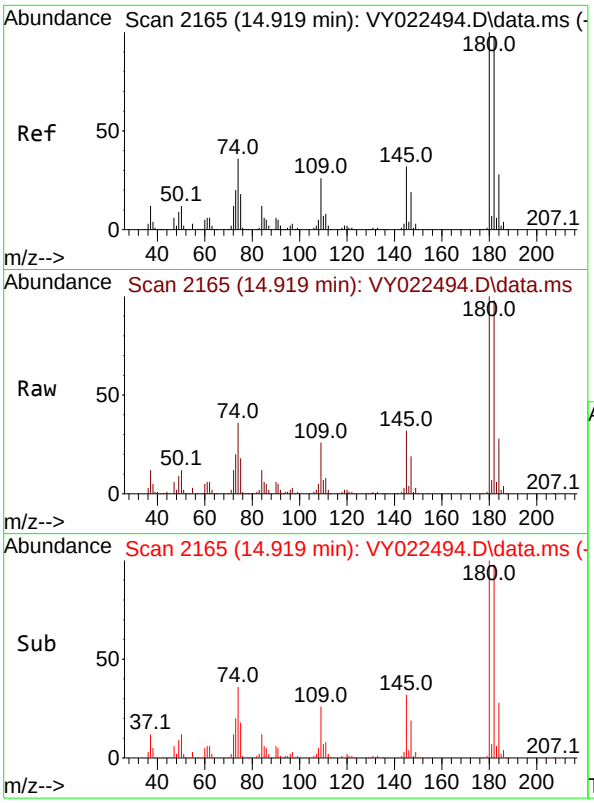


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	108.0	54.0	162.0

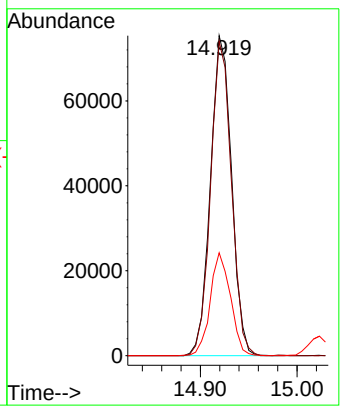




#93
1,2,4-Trichlorobenzene
Concen: 50.919 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 11400

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	31.0	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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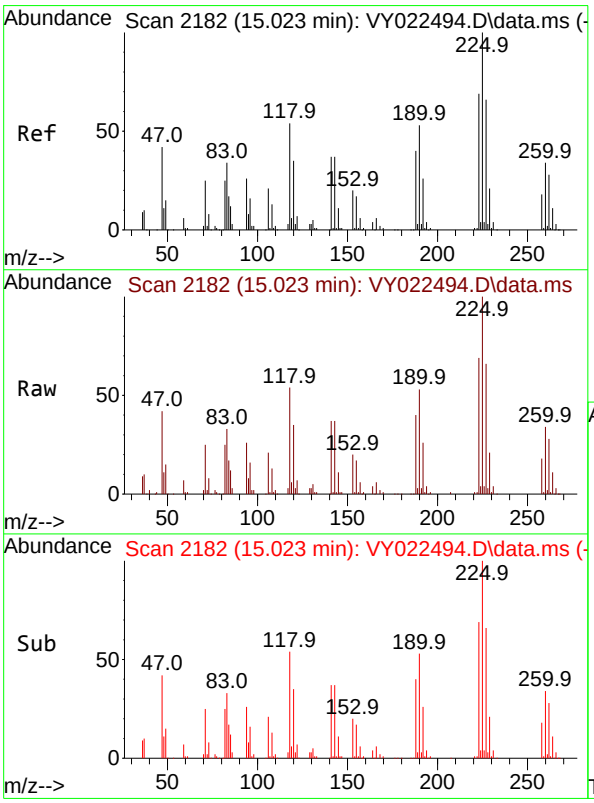
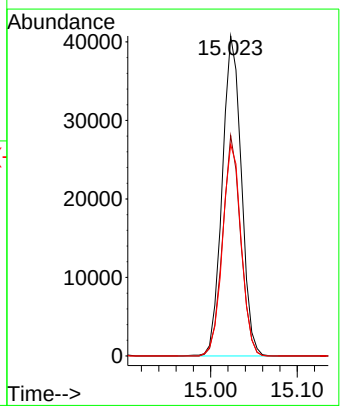
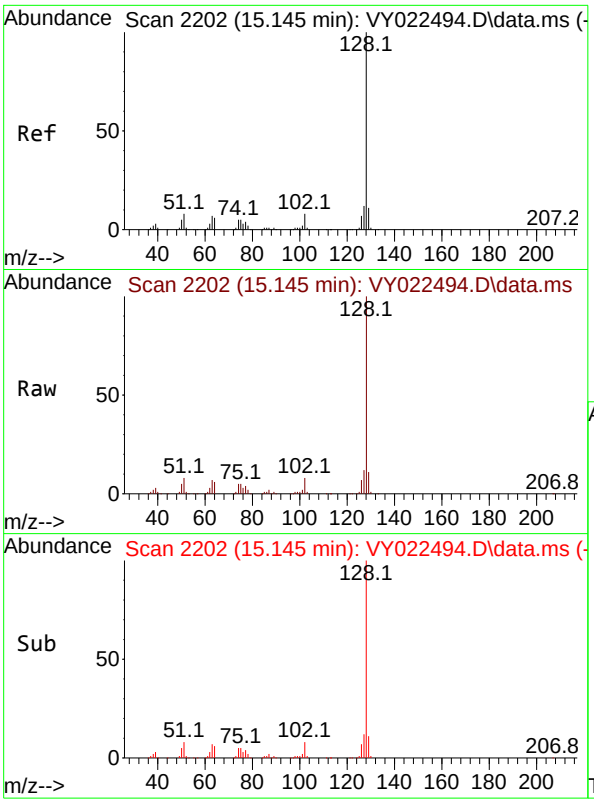


#94
Hexachlorobutadiene
Concen: 51.054 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:225 Resp: 62434

Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9

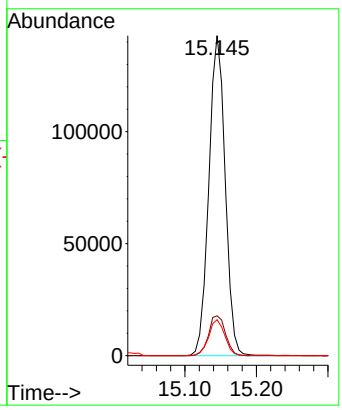




#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:128 Resp: 22607

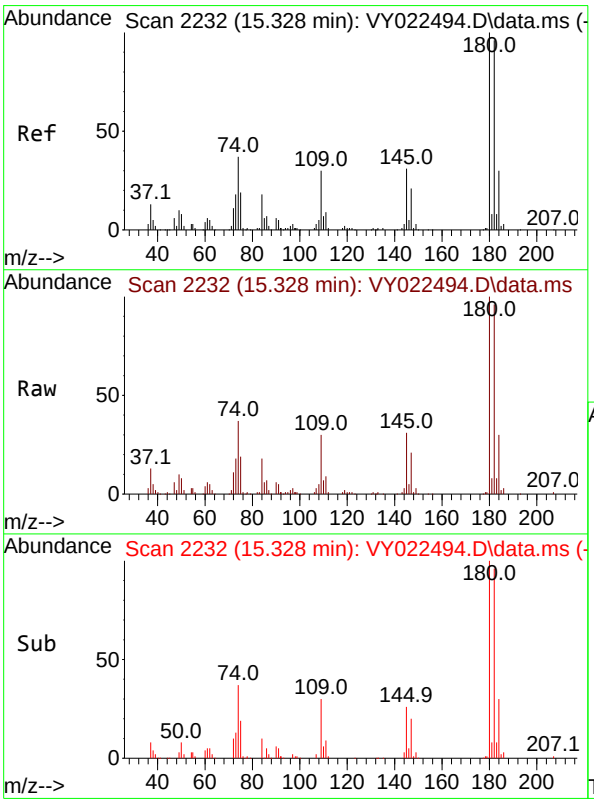
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

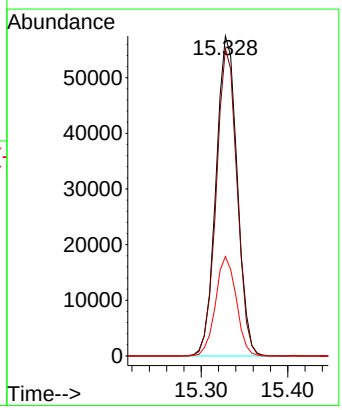
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#				
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#				
50) Toluene-d8	10.109	98	908424	105.318	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#				
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l		97
3) Chloromethane	2.068	50	519859	91.429	ug/l		99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l		100
5) Bromomethane	2.592	94	591589	93.980	ug/l		99
6) Chloroethane	2.732	64	414935	91.070	ug/l		96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l		97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l		99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l		99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l	#	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l		97
13) Acrolein	3.653	56	109392	522.746	ug/l		100
14) Allyl chloride	4.390	41	354774	100.560	ug/l		98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l		100
16) Acetone	3.872	43	231202	487.310	ug/l		100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l		99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l		98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l		99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l		97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l		95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l		98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l		99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l		99
25) 2-Butanone	6.896	43	358881	512.798	ug/l		99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l		98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l		100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l		99
30) Chloroform	7.426	83	459957	100.373	ug/l		96
31) Cyclohexane	7.707	56	428074	91.723	ug/l		98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l		99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l		99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l		98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l		96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l		99
40) Benzene	8.085	78	1052881	103.542	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l		
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l		
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

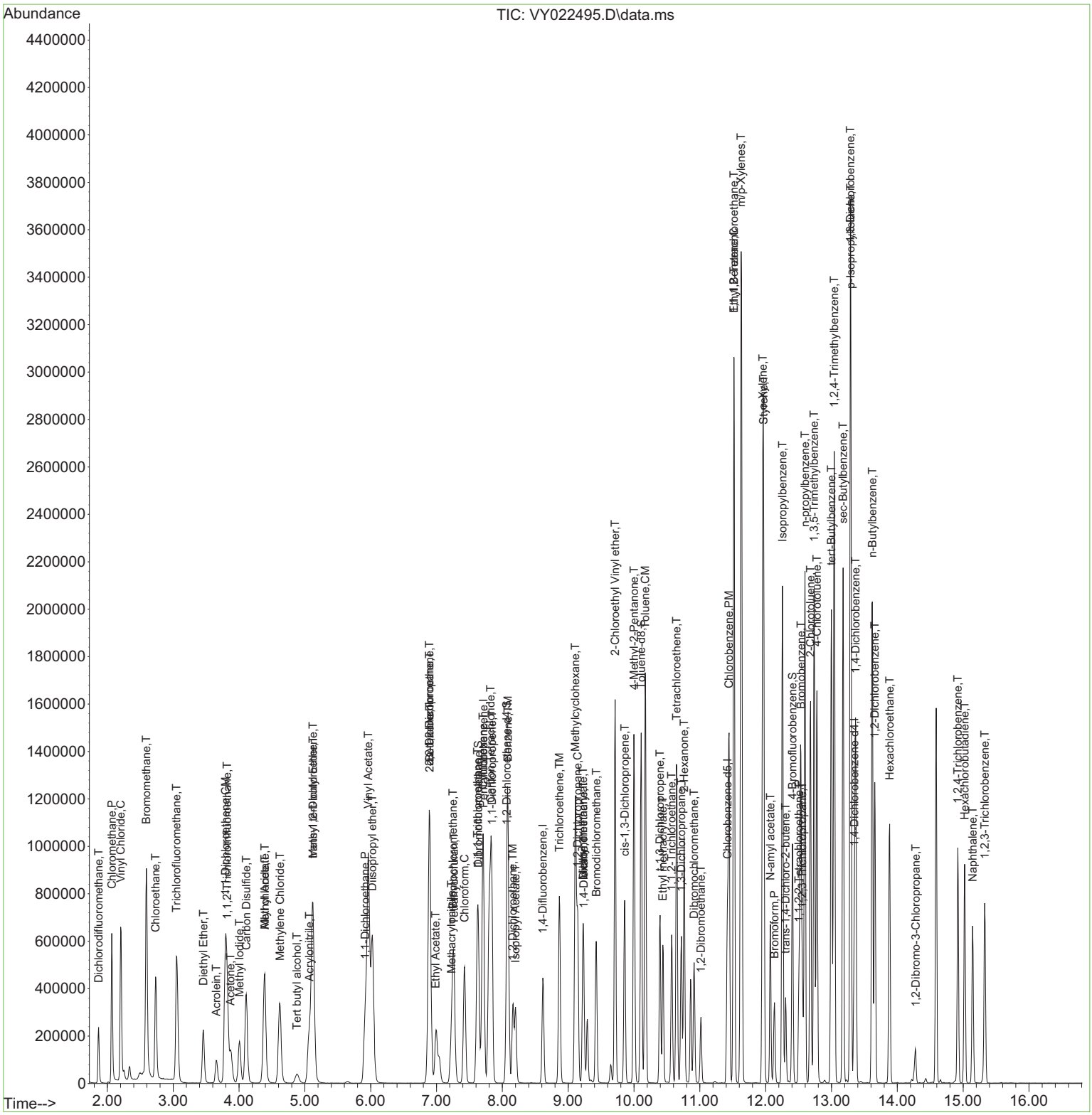
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

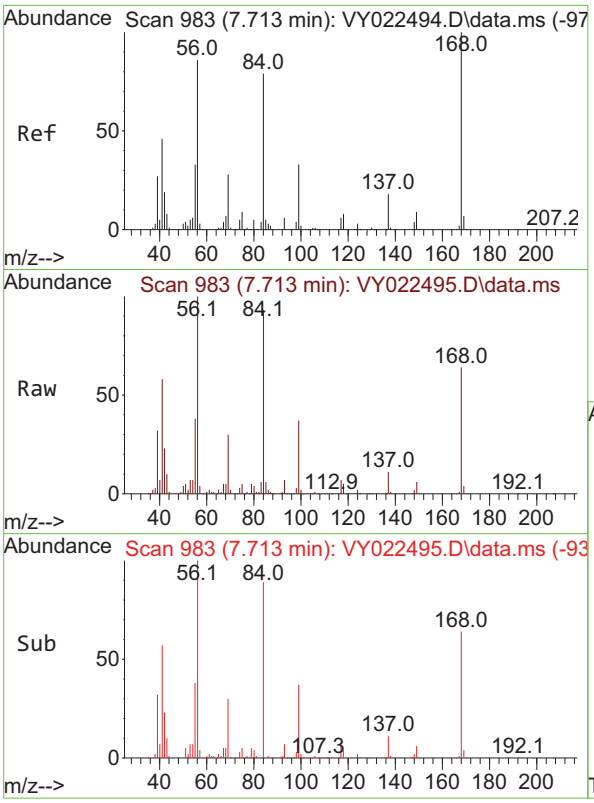
Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

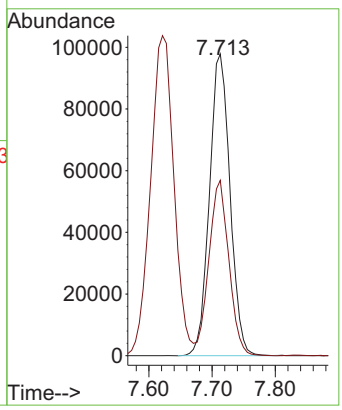




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:168 Resp: 22056

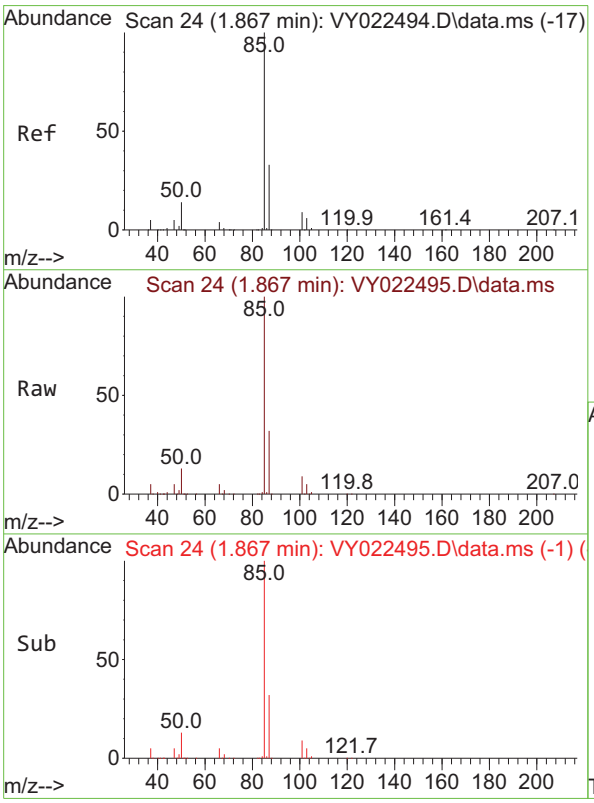
Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

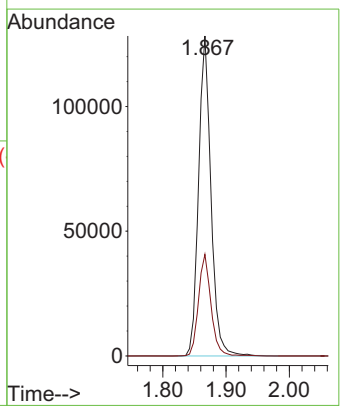
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

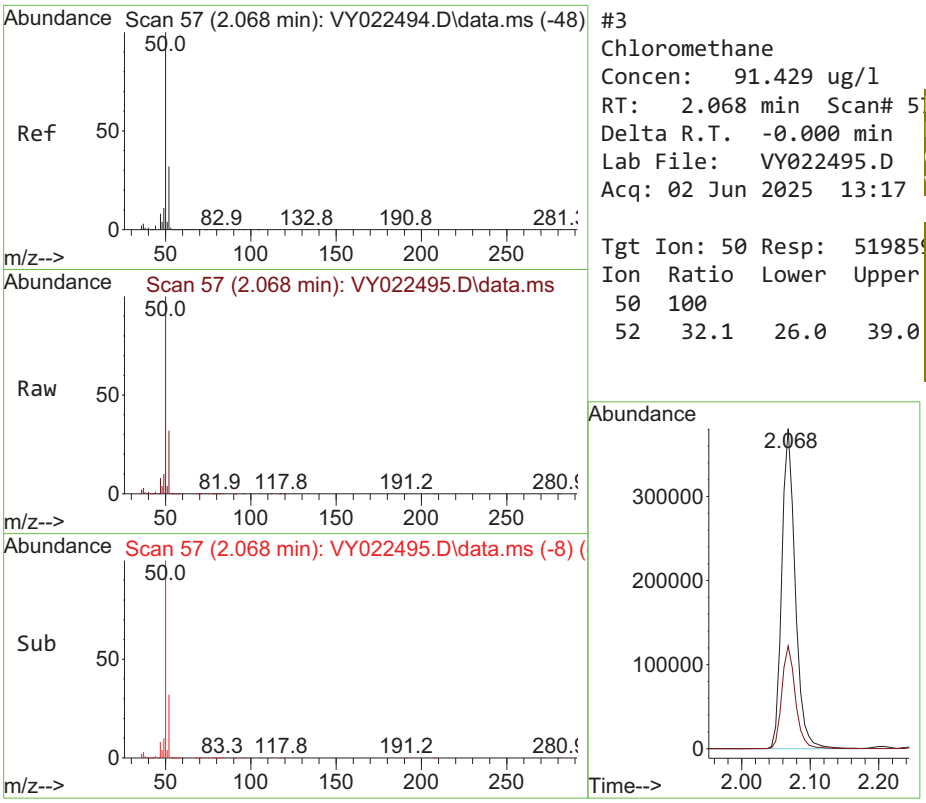


#2
Dichlorodifluoromethane
Concen: 90.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 85 Resp: 175145

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.7	50.0





#3
Chloromethane
Concen: 91.429 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

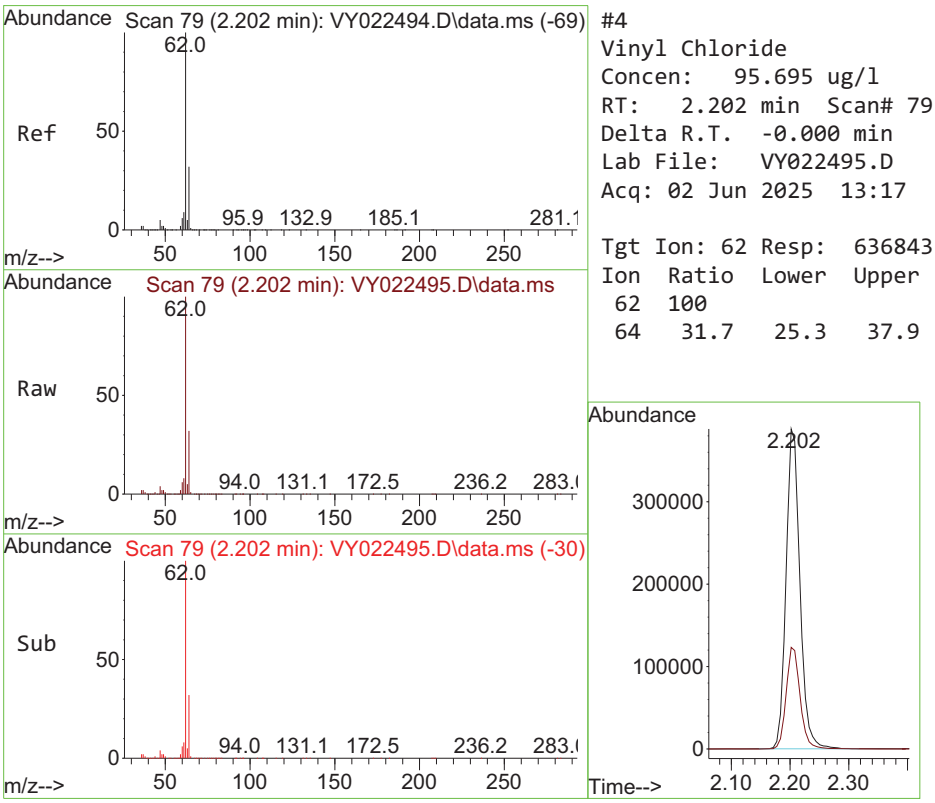
Tgt Ion: 50 Resp: 51985

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

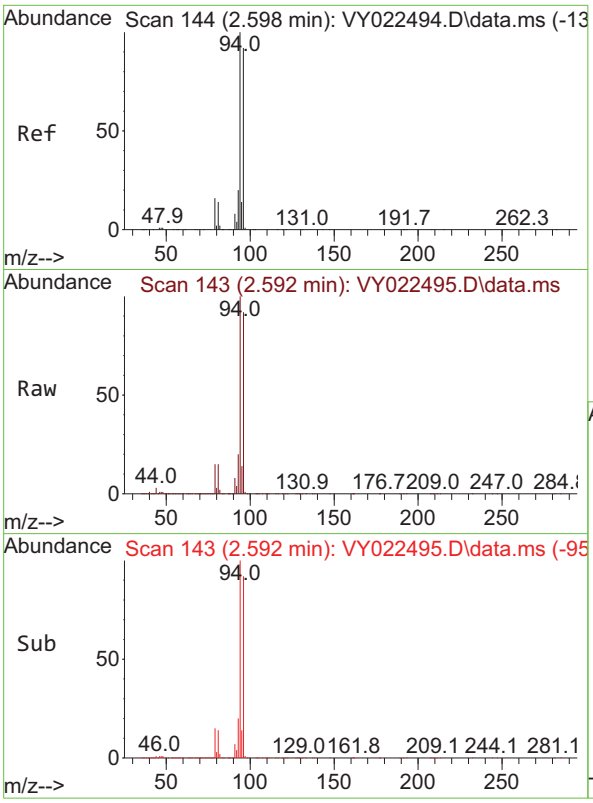
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 95.695 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 636843

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



#5
Bromomethane
Concen: 93.980 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

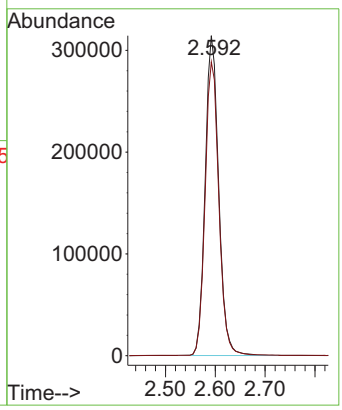
Tgt Ion: 94 Resp: 59158

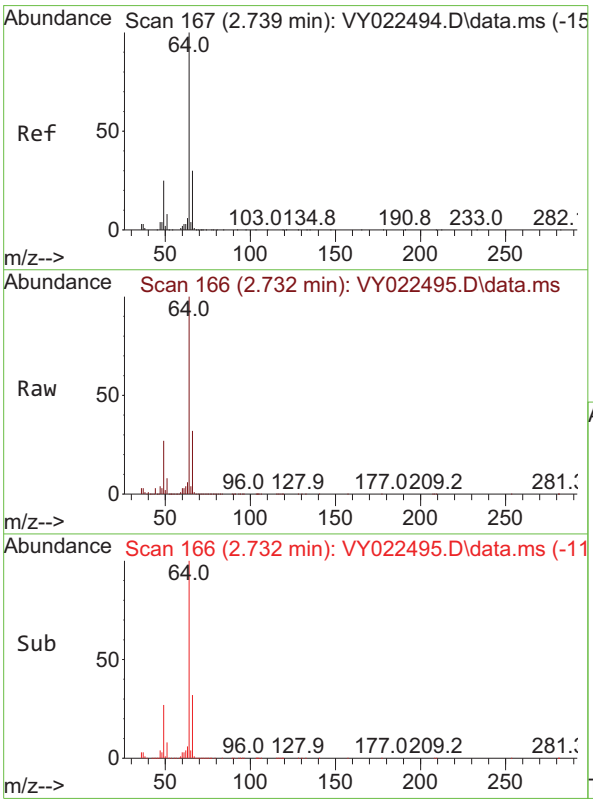
Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

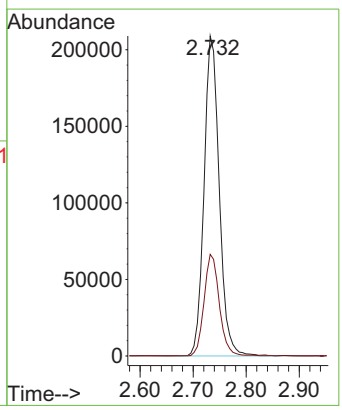


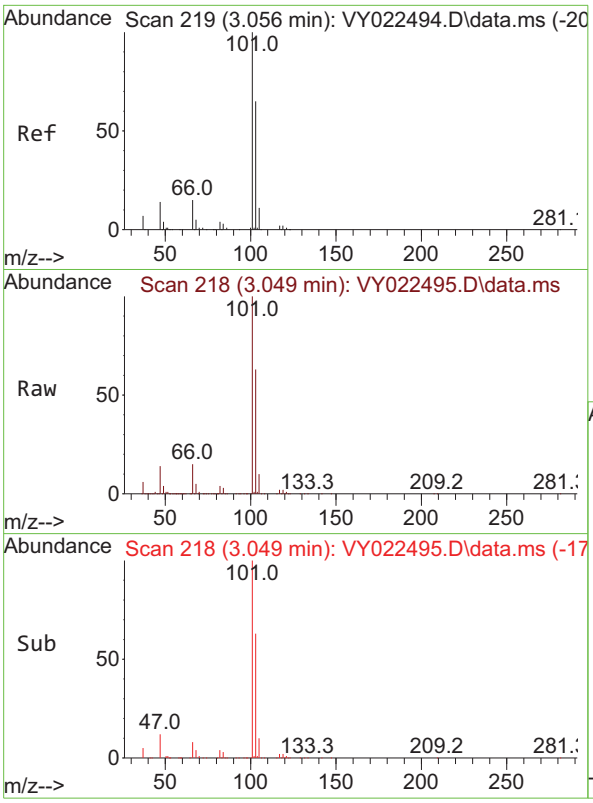


#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 64 Resp: 414935

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.8	35.6

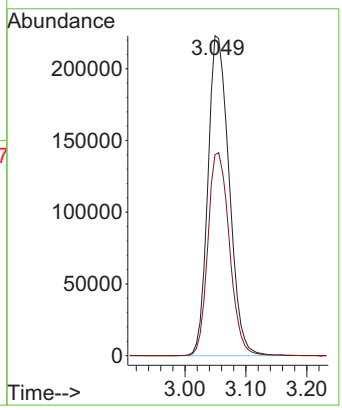




#7
Trichlorofluoromethane
Concen: 95.384 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:101 Resp: 53932

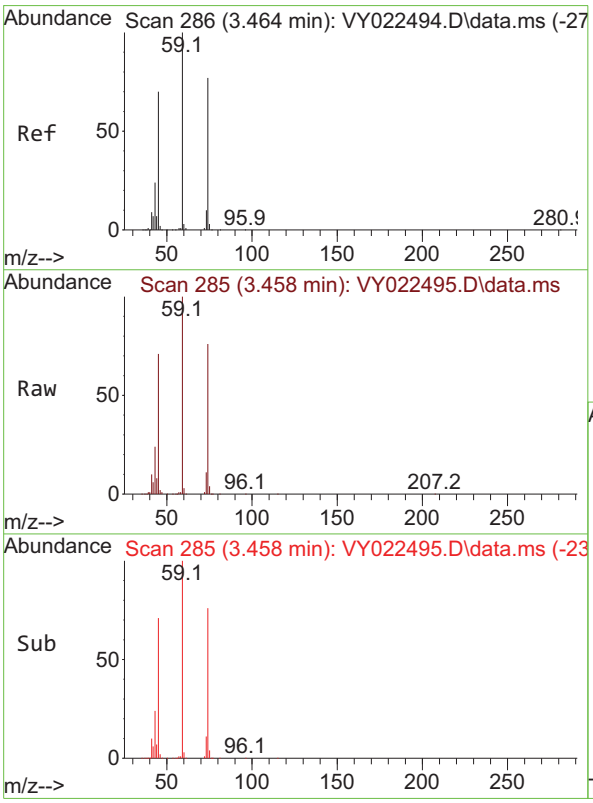
Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

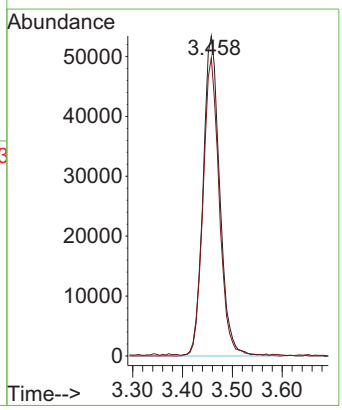
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

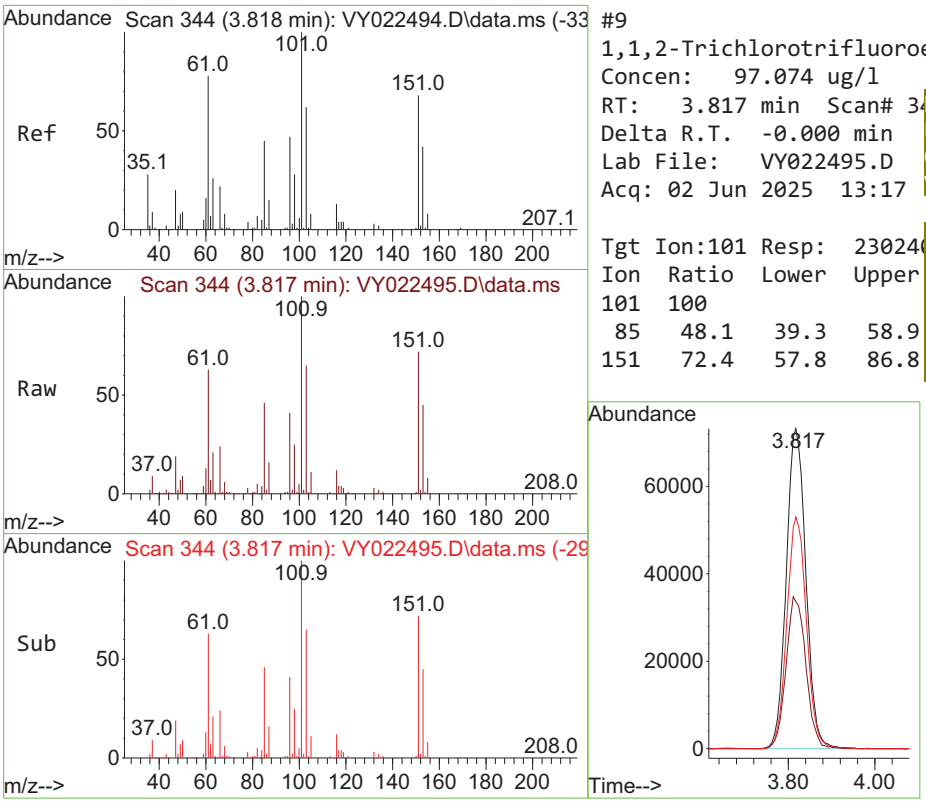


#8
Diethyl Ether
Concen: 98.428 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 74 Resp: 122923

Ion	Ratio	Lower	Upper
74	100		
45	90.6	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.074 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:101 Resp: 23024

Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.3	58.9
151	72.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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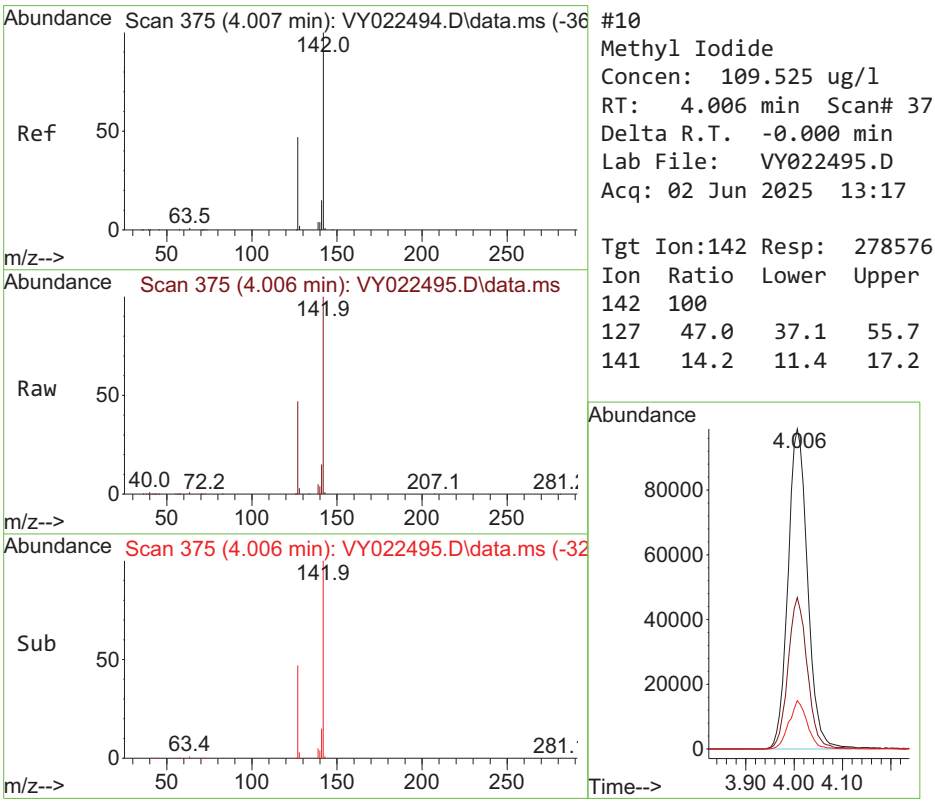
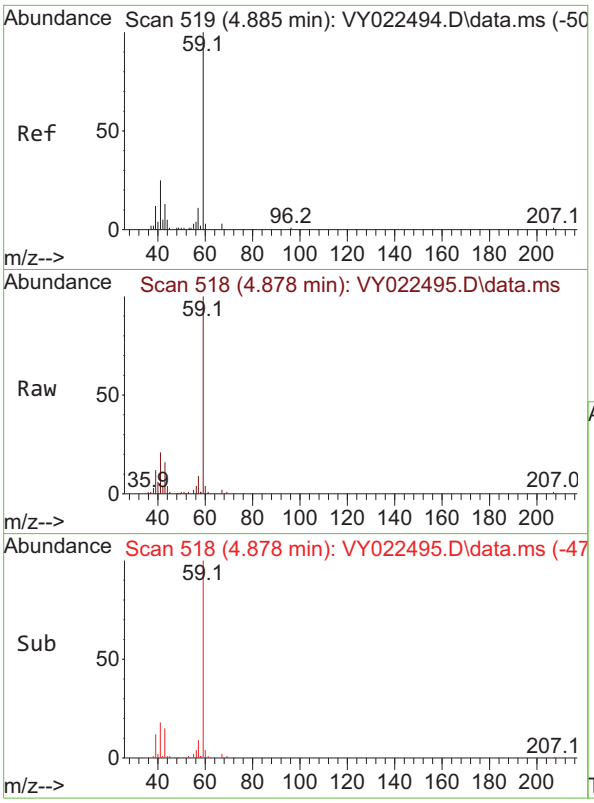


#10
Methyl Iodide
Concen: 109.525 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:142 Resp: 278576

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.1	55.7
141	14.2	11.4	17.2



#11
Tert butyl alcohol
Concen: 489.395 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 59 Resp: 8390

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
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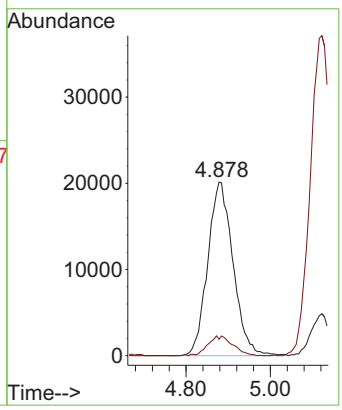
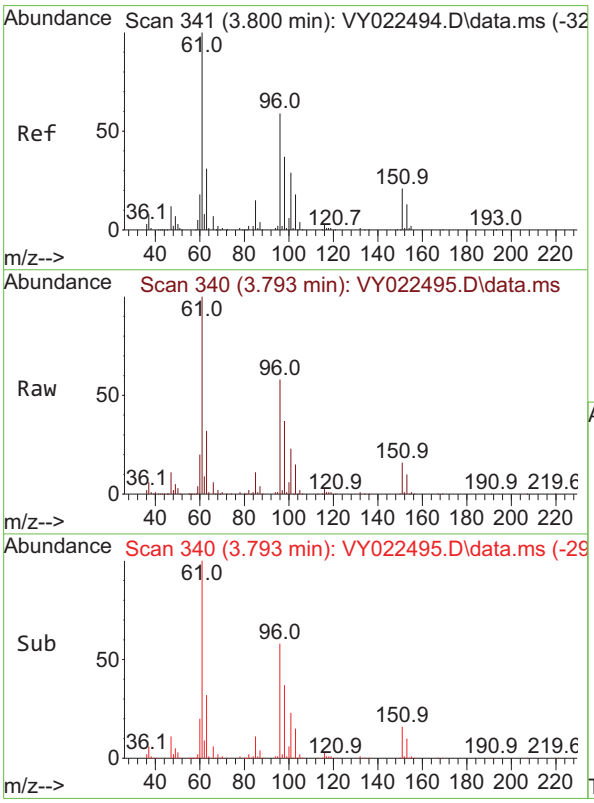
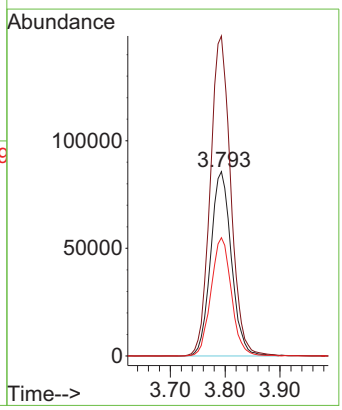


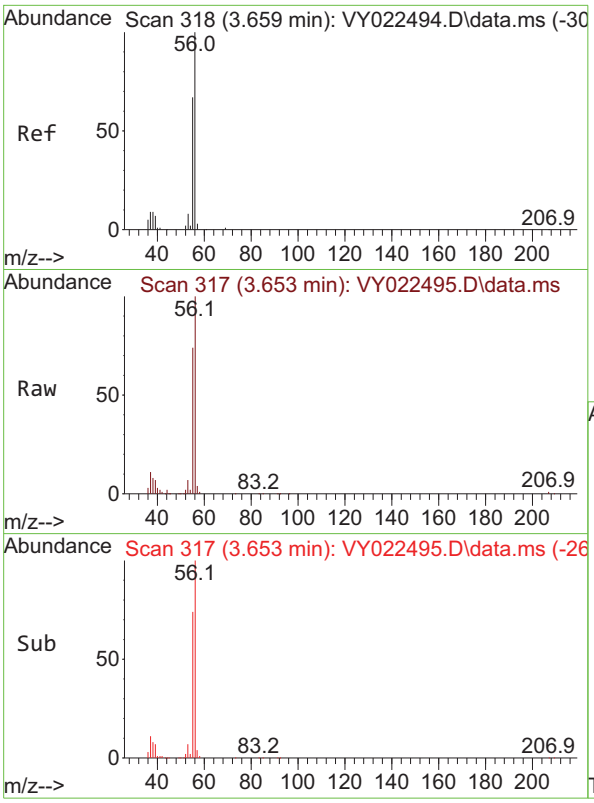


#12
1,1-Dichloroethene
Concen: 99.317 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 224855

Ion	Ratio	Lower	Upper
96	100		
61	173.6	134.6	201.8
98	64.1	50.2	75.4

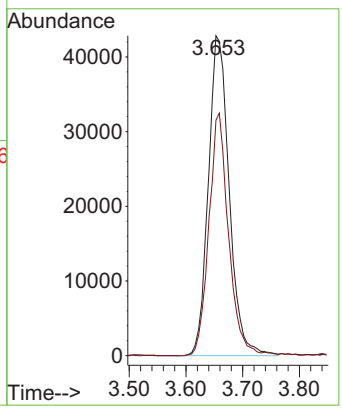




#13
Acrolein
Concen: 522.746 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 56 Resp: 10939

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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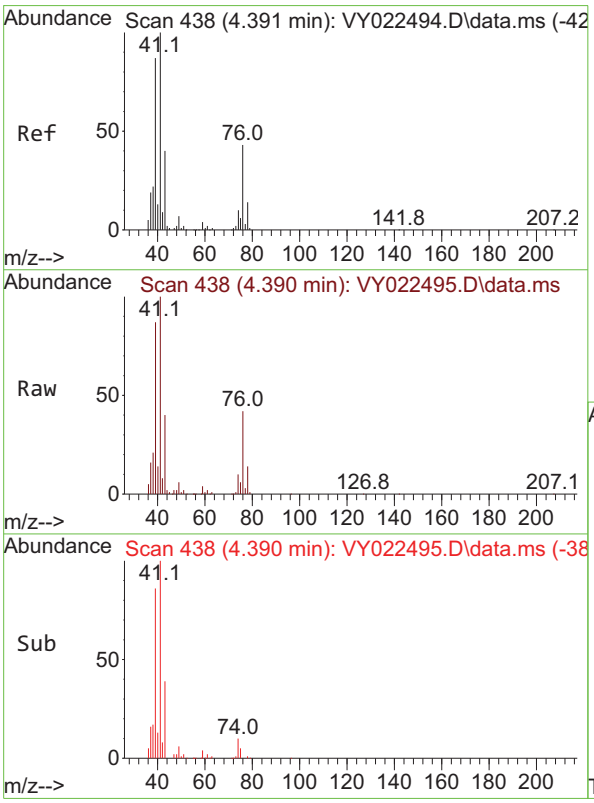
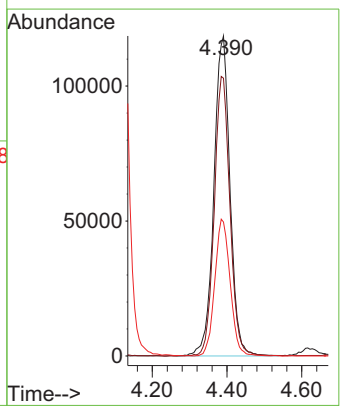
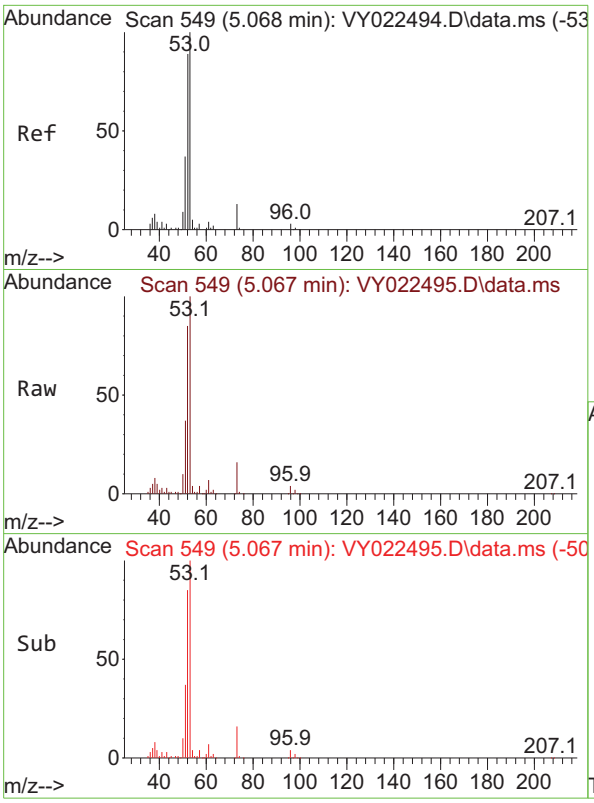


#14
Allyl chloride
Concen: 100.560 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 354774

Ion	Ratio	Lower	Upper
41	100		
39	85.0	69.1	103.7
76	40.8	33.5	50.3

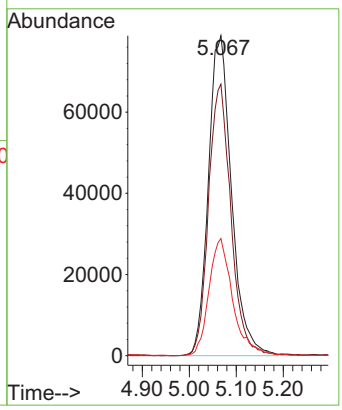




#15
Acrylonitrile
Concen: 507.168 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 53 Resp: 26941

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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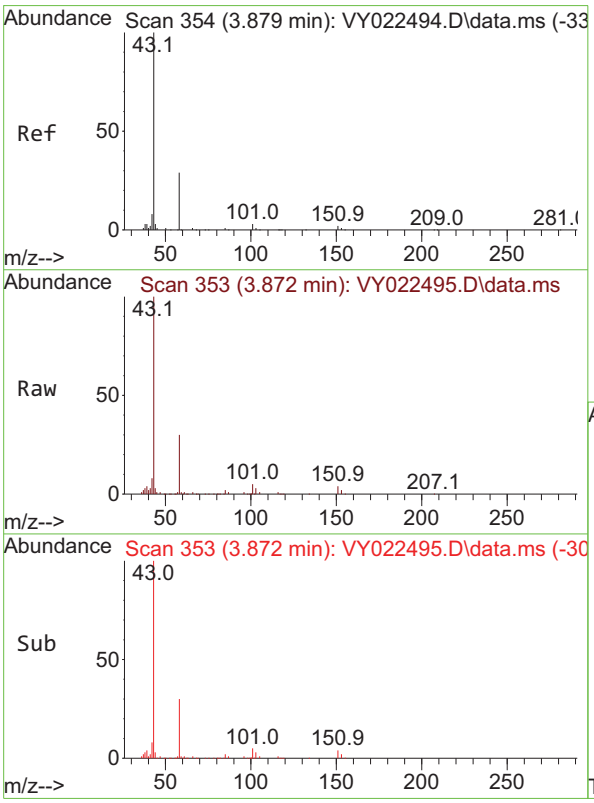
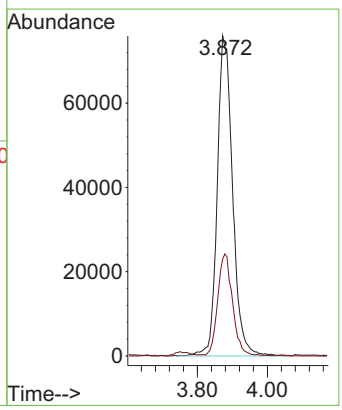
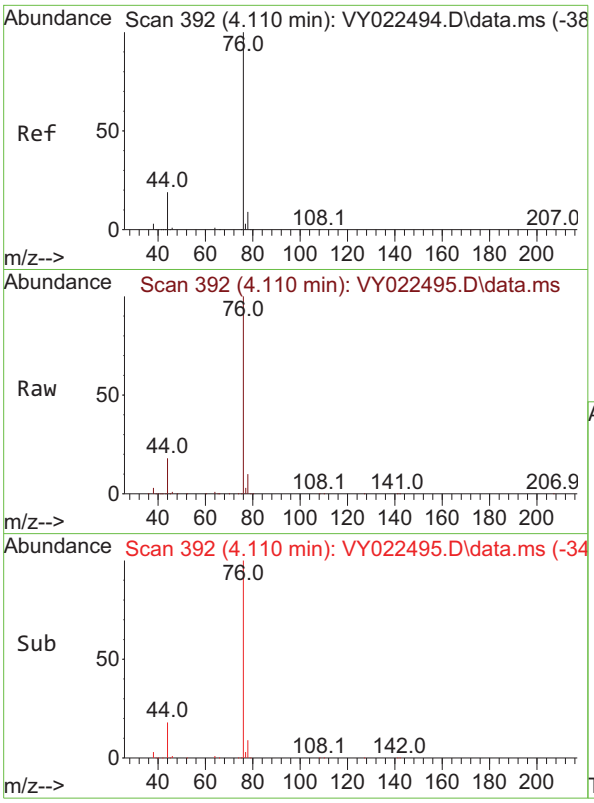


#16
Acetone
Concen: 487.310 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 231202

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0

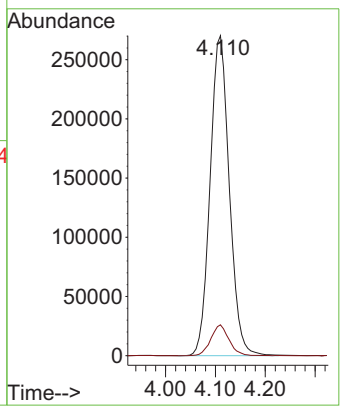




#17
Carbon Disulfide
Concen: 99.952 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 76 Resp: 72250

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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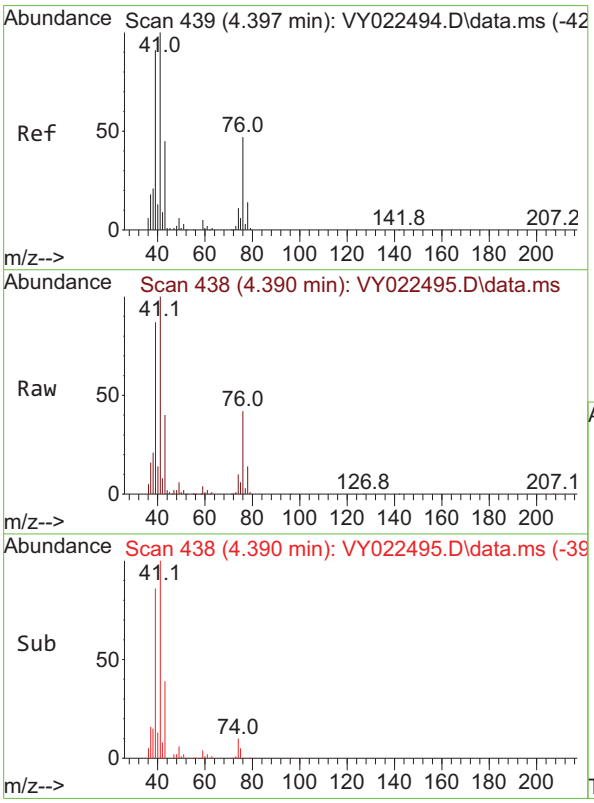
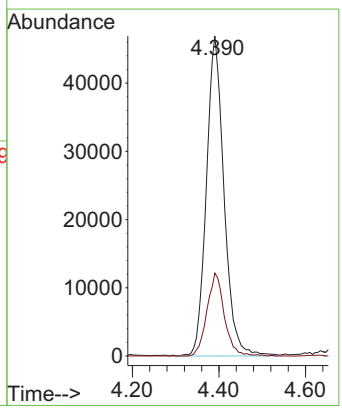
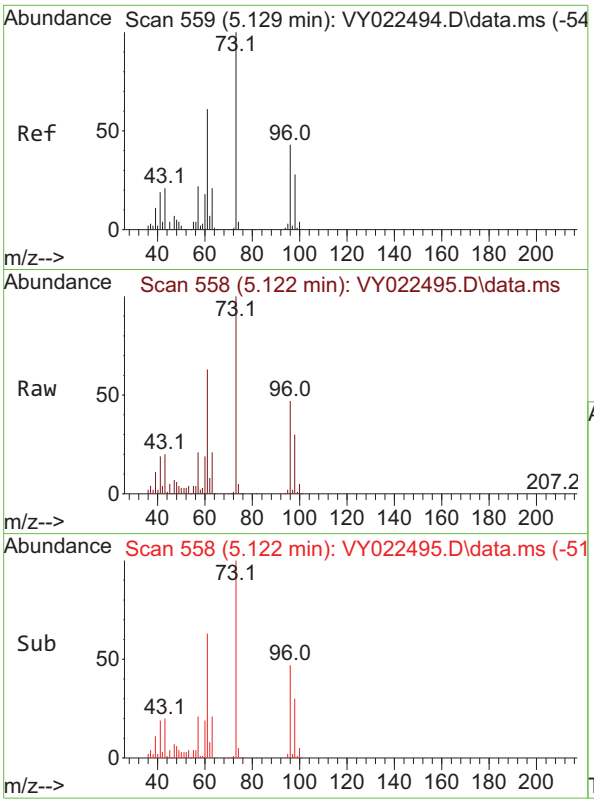


#18
Methyl Acetate
Concen: 92.907 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 132608

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.8	29.6

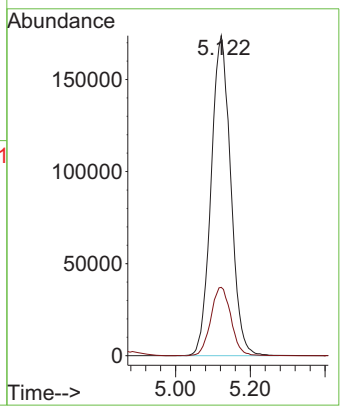




#19
Methyl tert-butyl Ether
Concen: 100.187 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 73 Resp: 63287

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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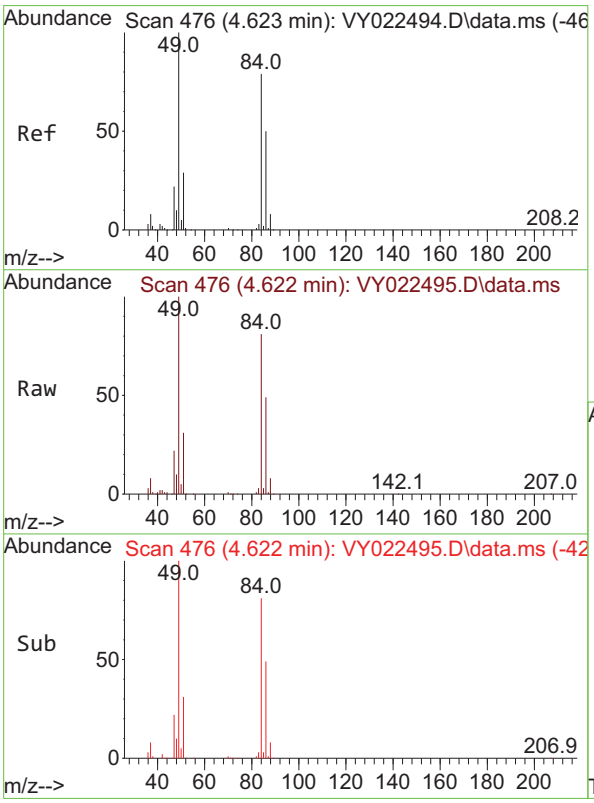
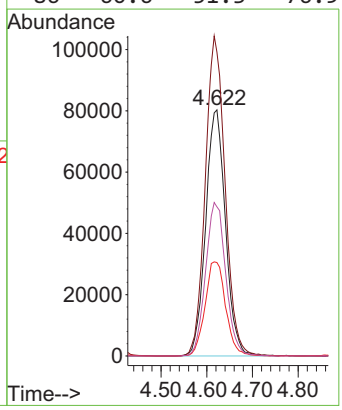
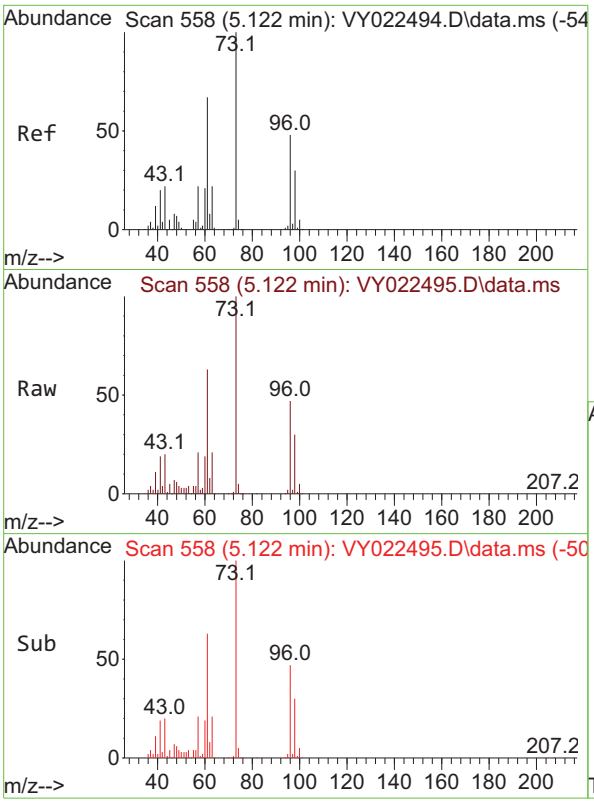


#20
Methylene Chloride
Concen: 91.318 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 84 Resp: 241903

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.9	152.9
51	38.0	29.8	44.8
86	60.6	51.3	76.9

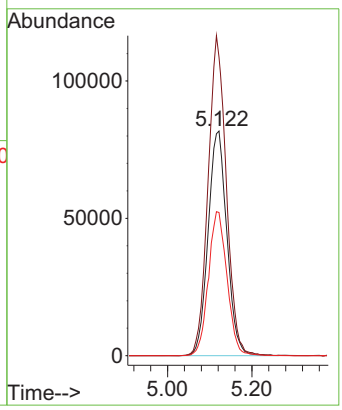




#21
trans-1,2-Dichloroethene
Concen: 100.103 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 25318

Ion	Ratio	Lower	Upper
96	100		
61	132.9	112.6	169.0
98	63.7	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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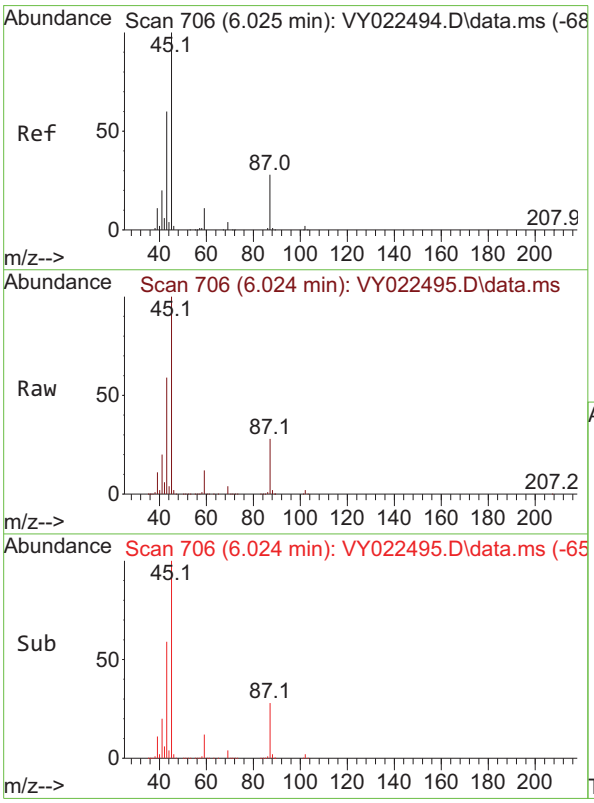
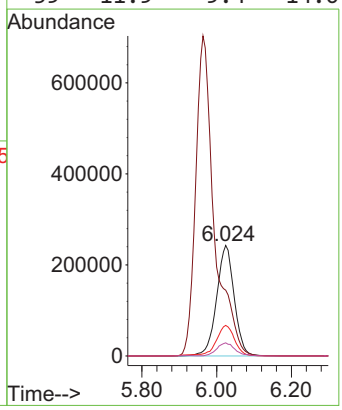
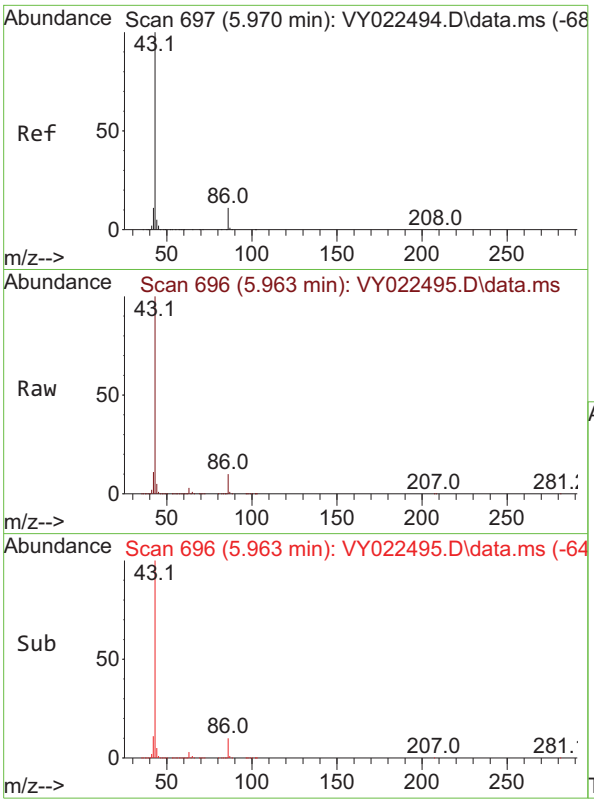


#22
Diisopropyl ether
Concen: 101.232 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 45 Resp: 794164

Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.3	72.5
87	27.6	23.0	34.6
59	11.9	9.4	14.0

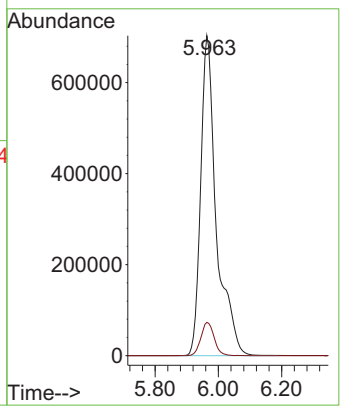




#23
Vinyl Acetate
Concen: 520.866 ug/l
RT: 5.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 242413

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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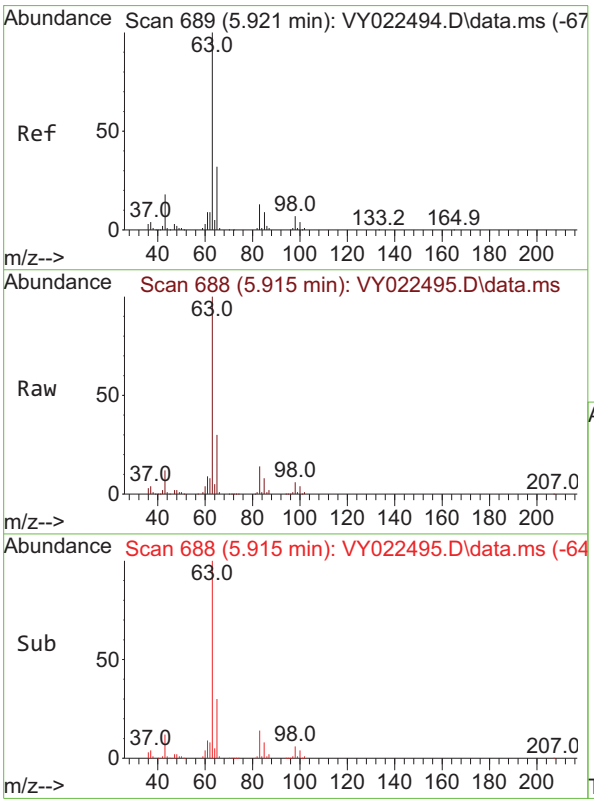
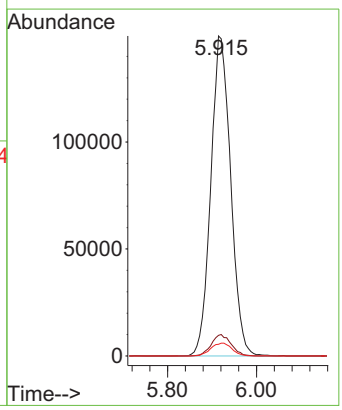
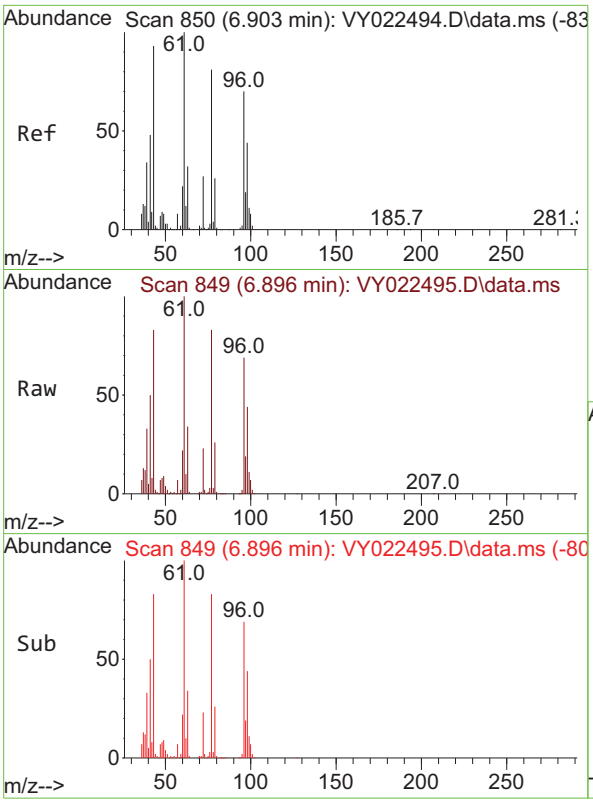


#24
1,1-Dichloroethane
Concen: 99.980 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 463641

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.7	2.1	6.3





#25
2-Butanone
Concen: 512.798 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 35888

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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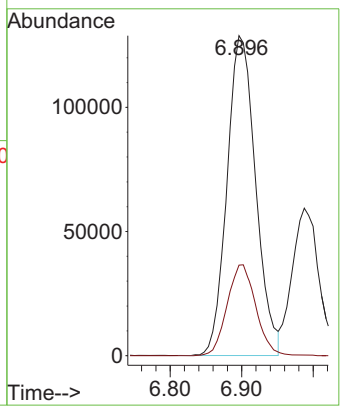
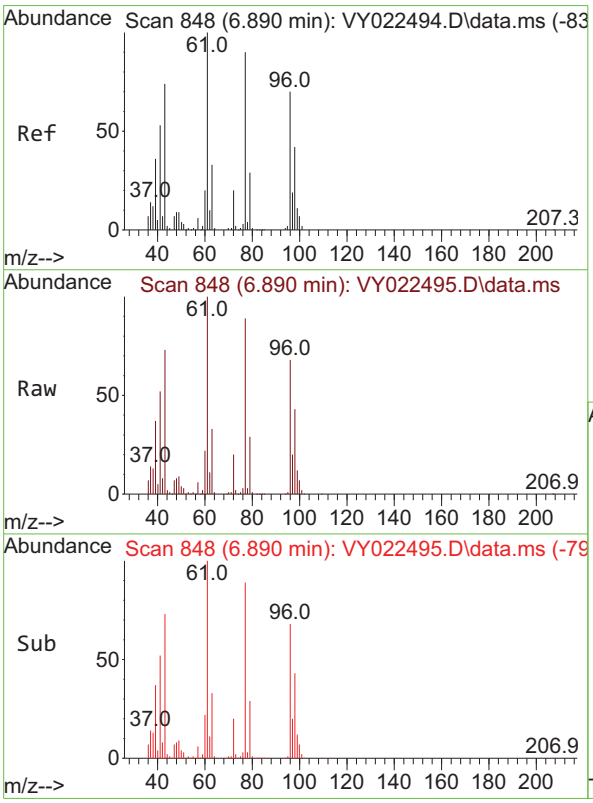
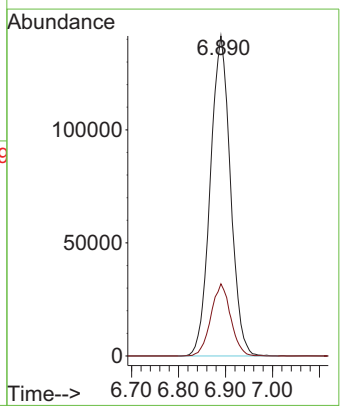


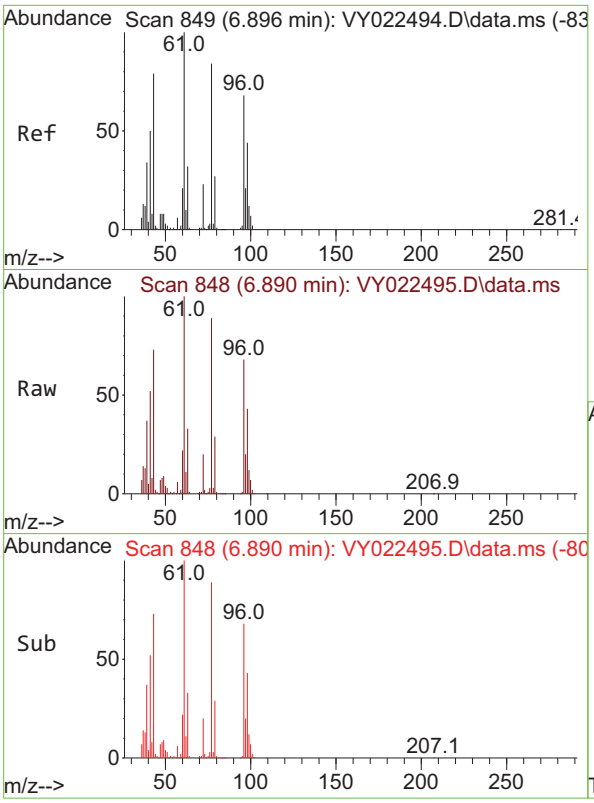


#26
2,2-Dichloropropane
Concen: 101.961 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 77 Resp: 420323

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2

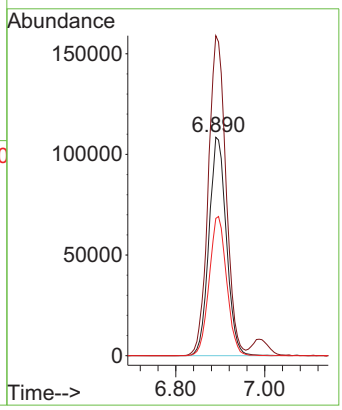




#27
cis-1,2-Dichloroethene
Concen: 100.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 29483

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	290.0
98	64.1	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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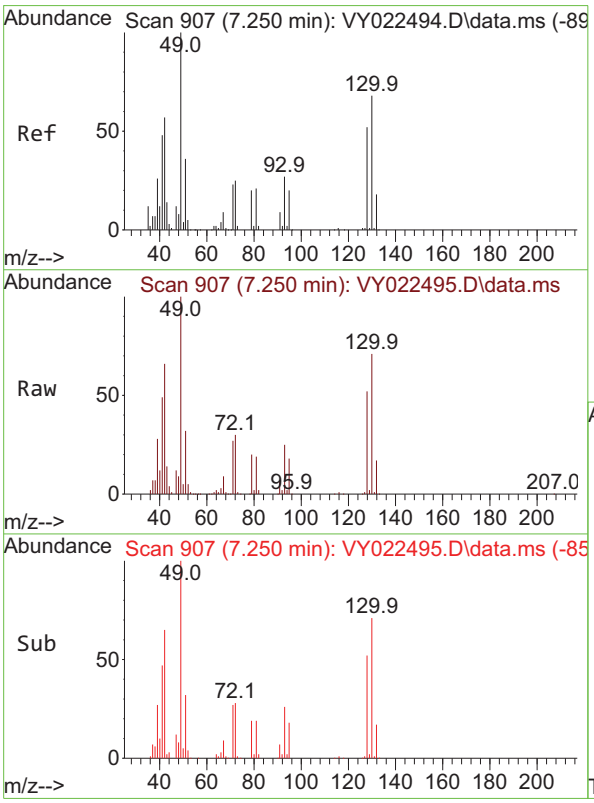
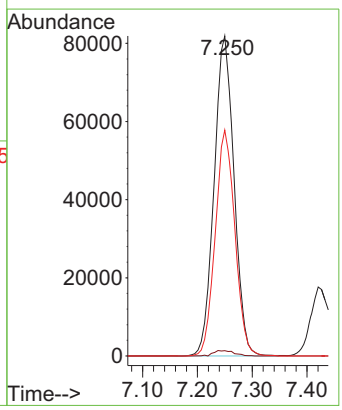
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

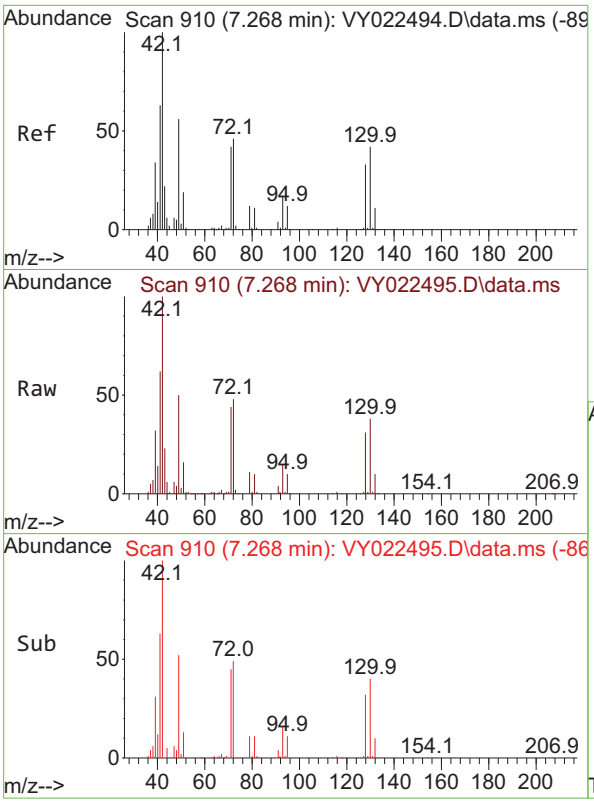


#28
Bromochloromethane
Concen: 103.263 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 49 Resp: 206906

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.7	55.7	83.5

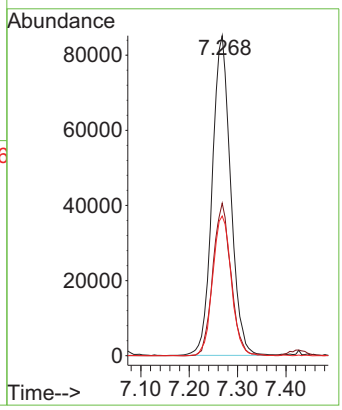




#29
Tetrahydrofuran
Concen: 501.243 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 42 Resp: 22629

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	44.1	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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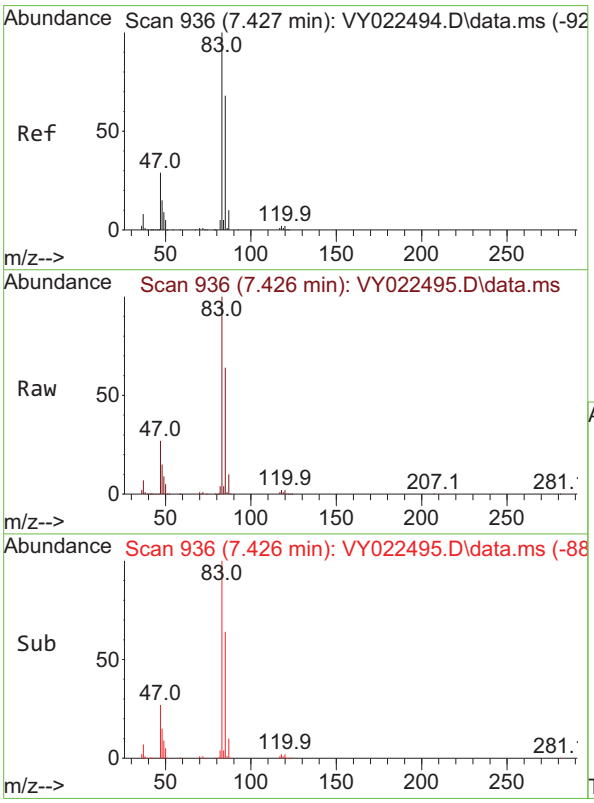
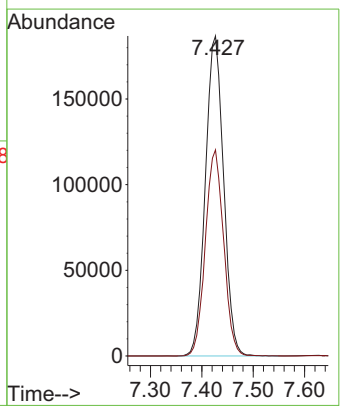
Supervised By :Mahesh Dadoda 06/03/2025

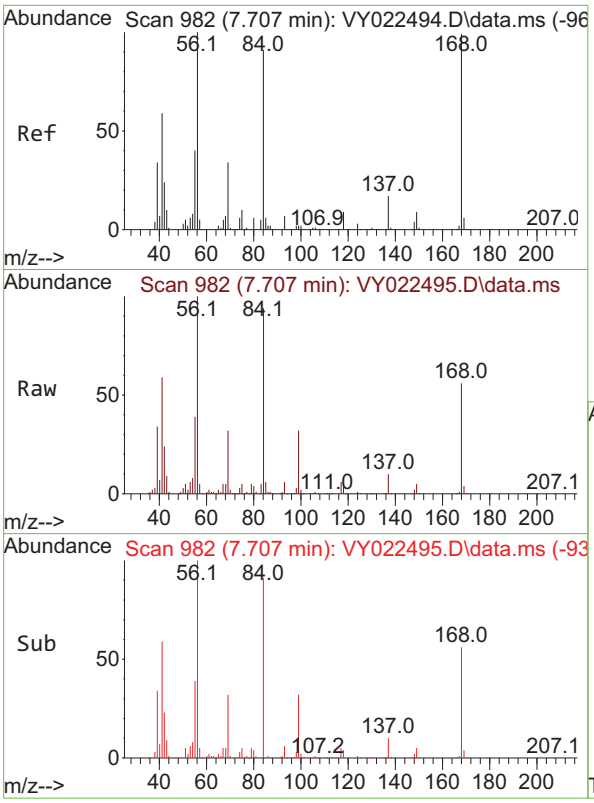


#30
Chloroform
Concen: 100.373 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 459957

Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4

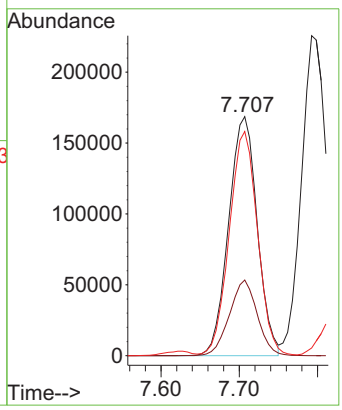




#31
Cyclohexane
Concen: 91.723 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 56 Resp: 42807

Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.0	40.6
84	91.9	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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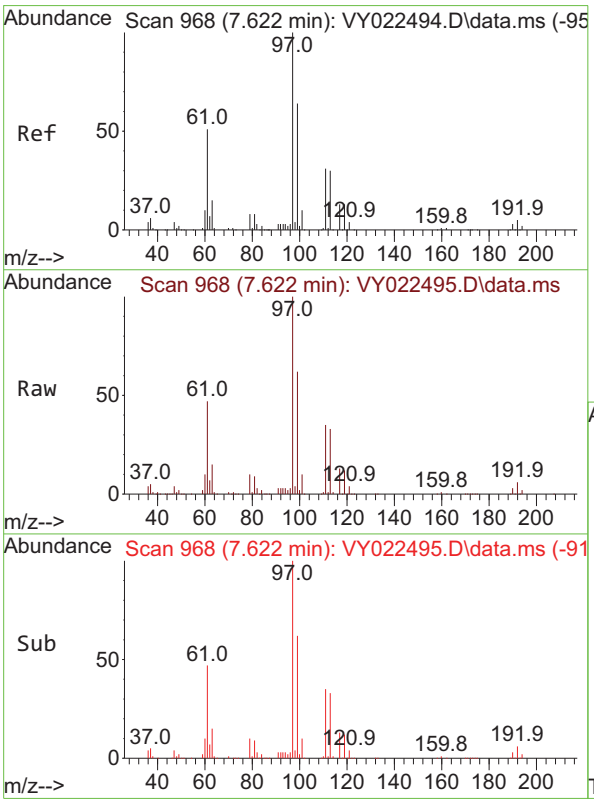
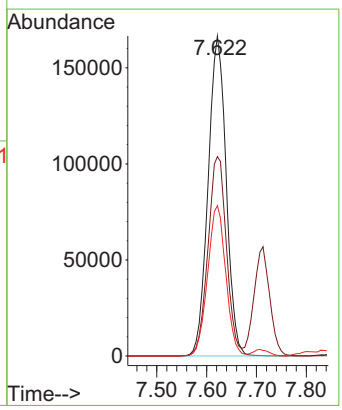
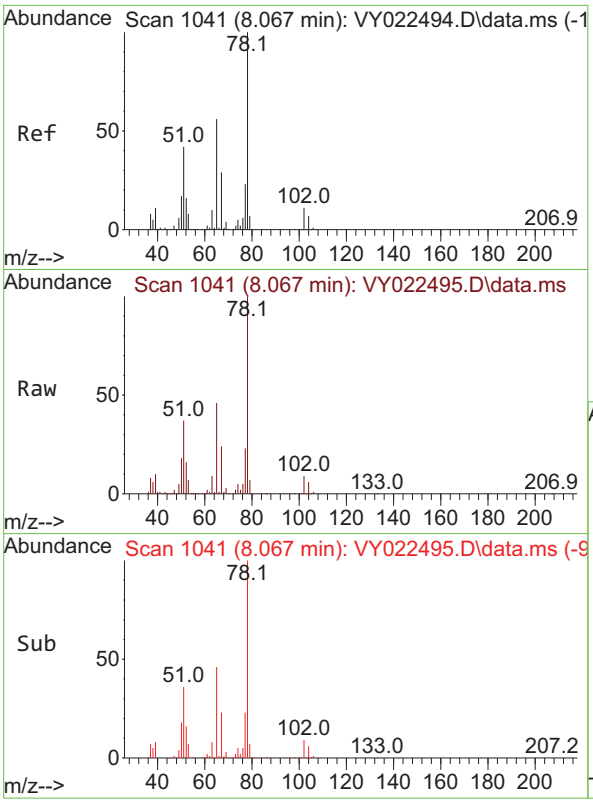


#32
1,1,1-Trichloroethane
Concen: 102.410 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 419389

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	47.3	38.5	57.7

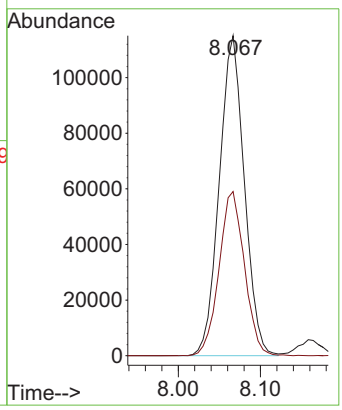




#33
1,2-Dichloroethane-d4
Concen: 101.553 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 65 Resp: 24372

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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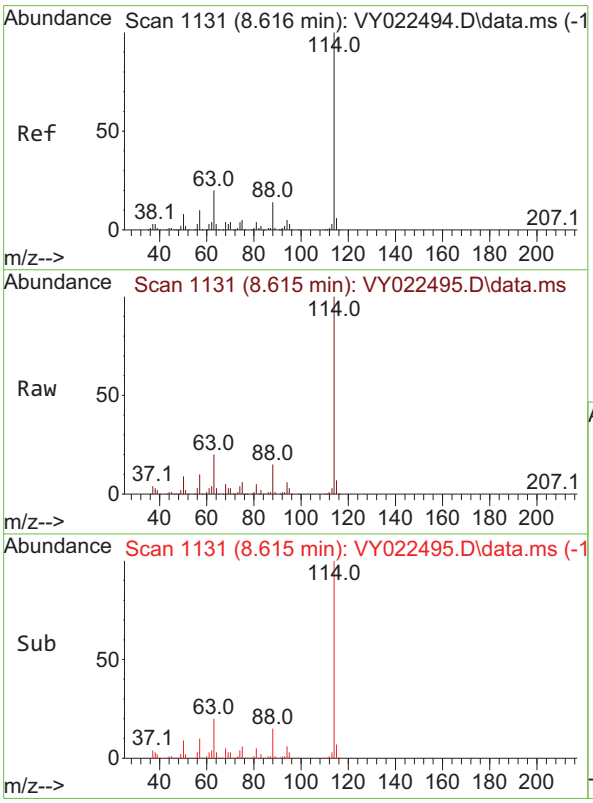
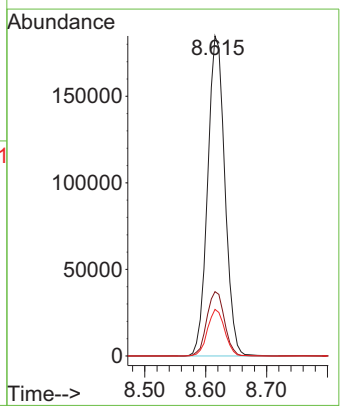
Supervised By :Mahesh Dadoda 06/03/2025

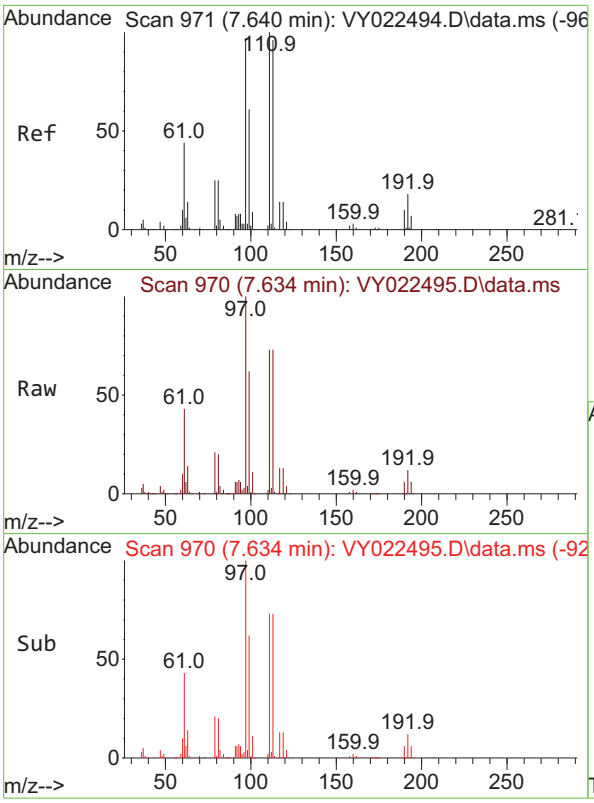


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:114 Resp: 362519

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.5	0.0	27.8





#35
Dibromofluoromethane
Concen: 104.234 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:113 Resp: 22244

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	18.2	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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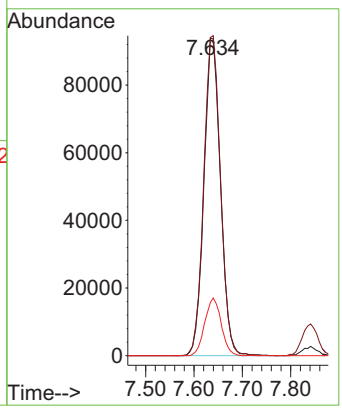
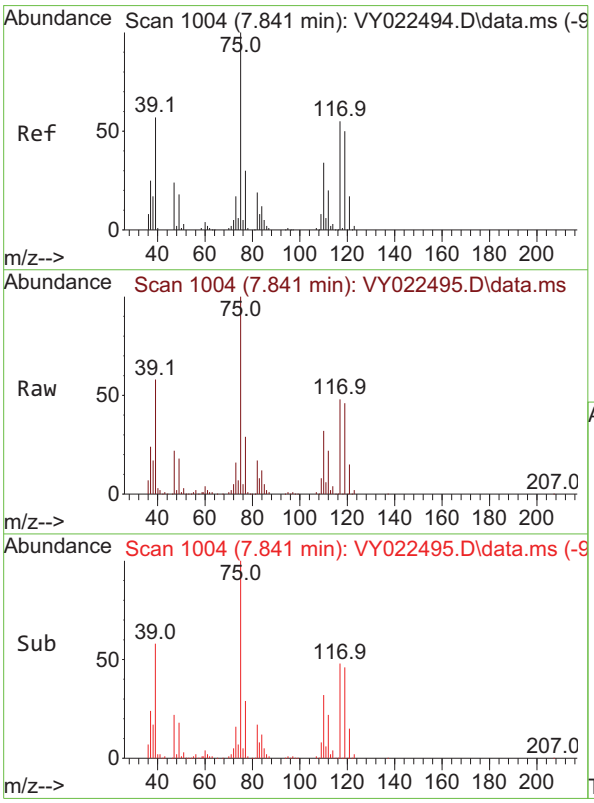
Supervised By :Mahesh Dadoda 06/03/2025

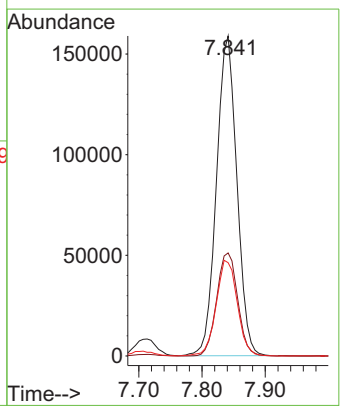


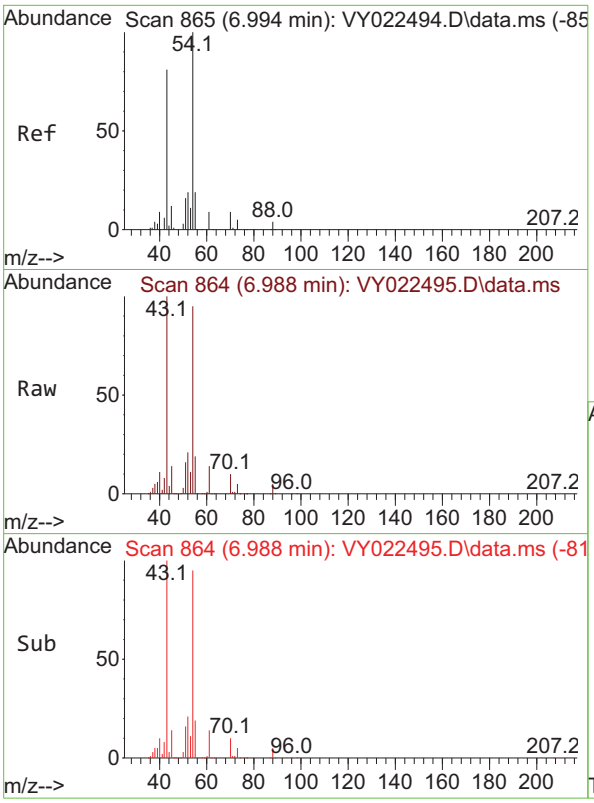


#36
1,1-Dichloropropene
Concen: 103.070 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 355563

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 105.336 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 15992

Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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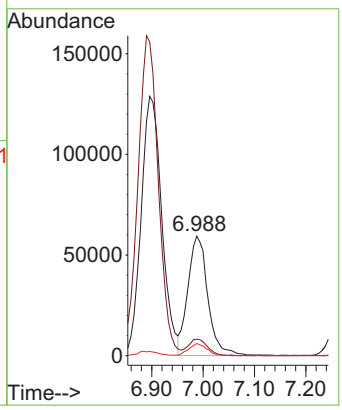
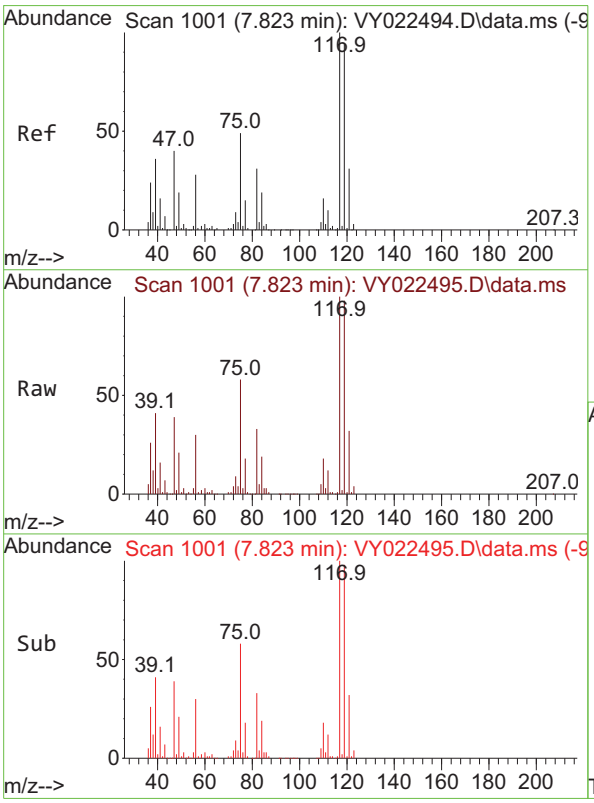
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

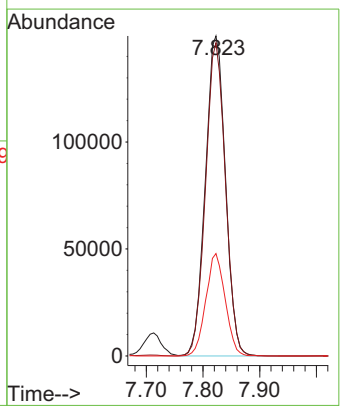


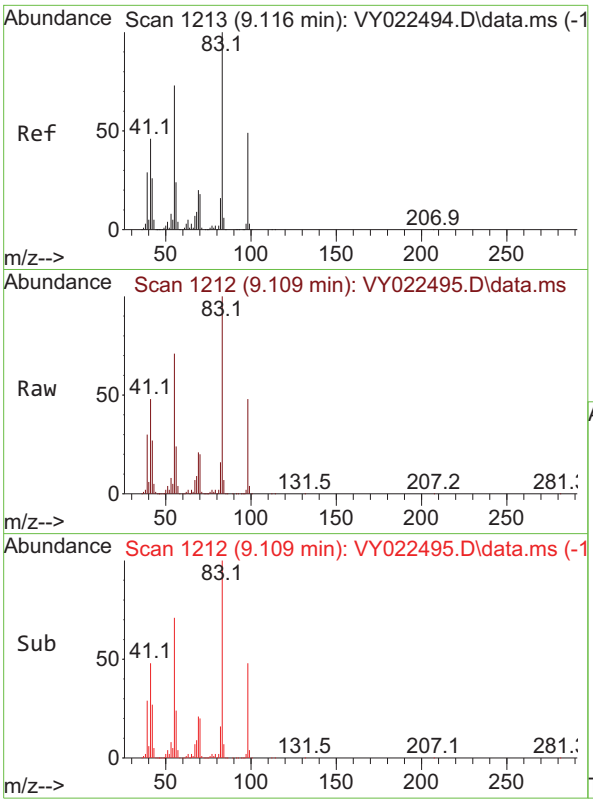


#38
Carbon Tetrachloride
Concen: 103.651 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 368617

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.6
121	32.0	25.0	37.4





#39
Methylcyclohexane
Concen: 103.323 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 48151

Ion	Ratio	Lower	Upper
83	100		
55	71.2	58.1	87.1
98	48.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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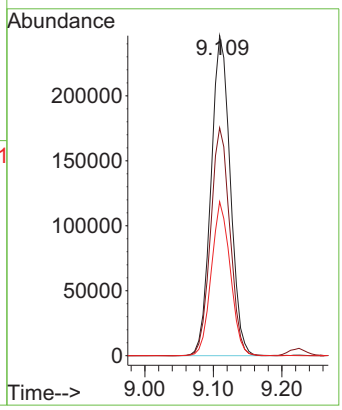
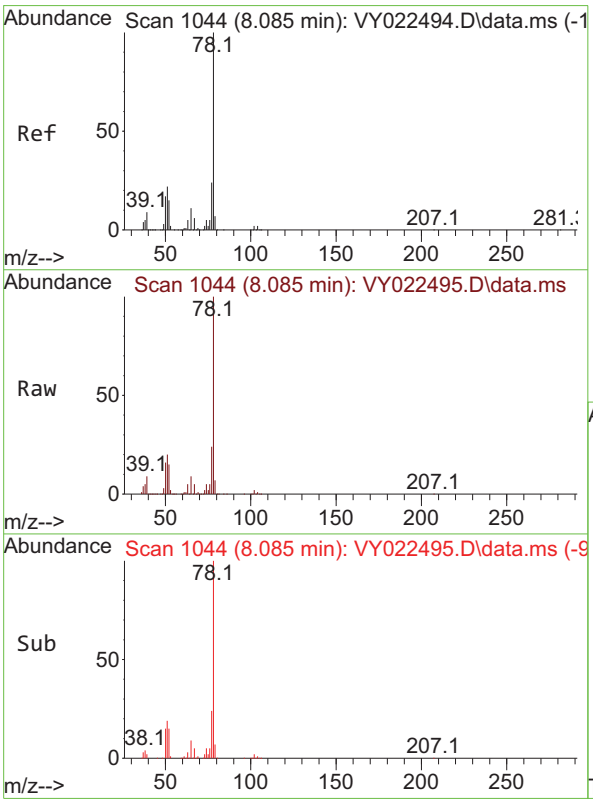
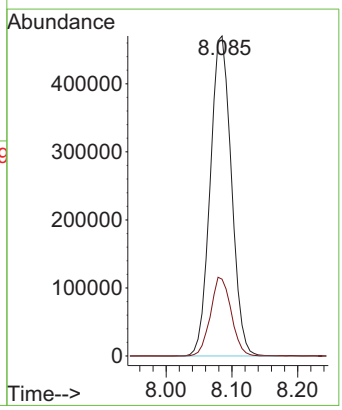


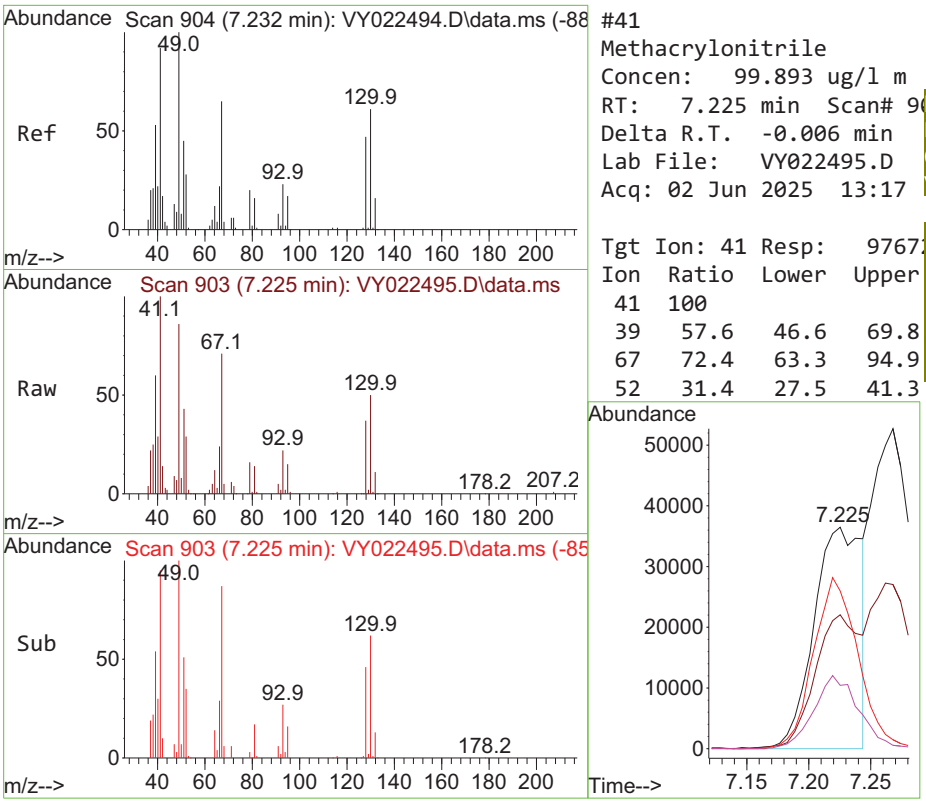


#40
Benzene
Concen: 103.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 78 Resp: 1052881

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





#41
Methacrylonitrile
Concen: 99.893 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 9767

Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.6	69.8
67	72.4	63.3	94.9
52	31.4	27.5	41.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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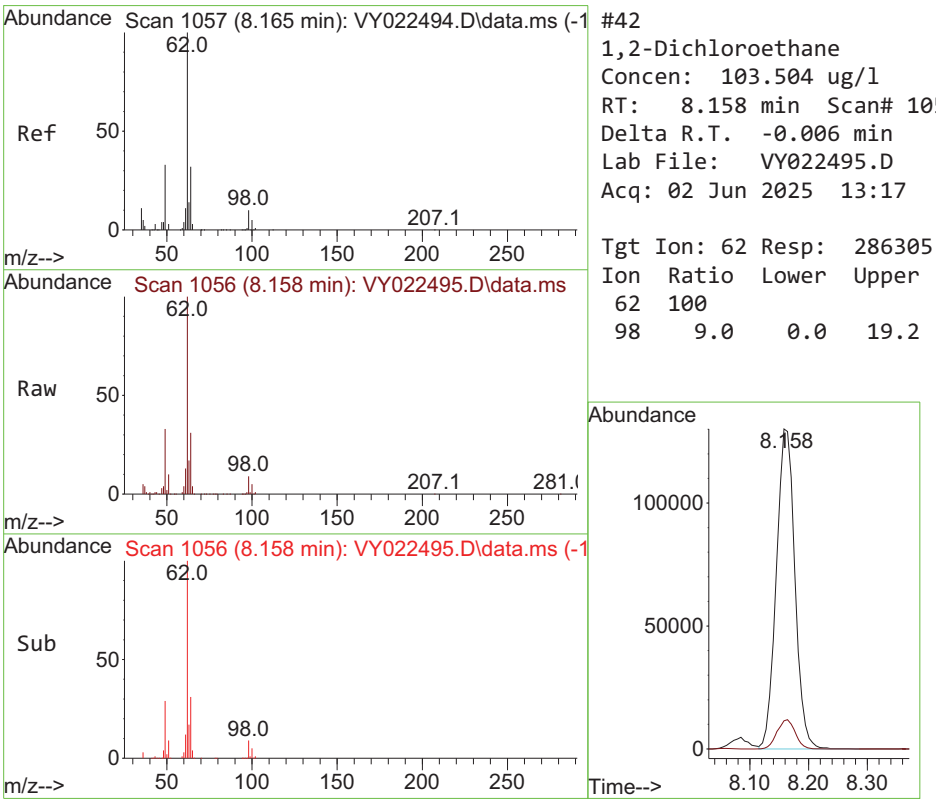
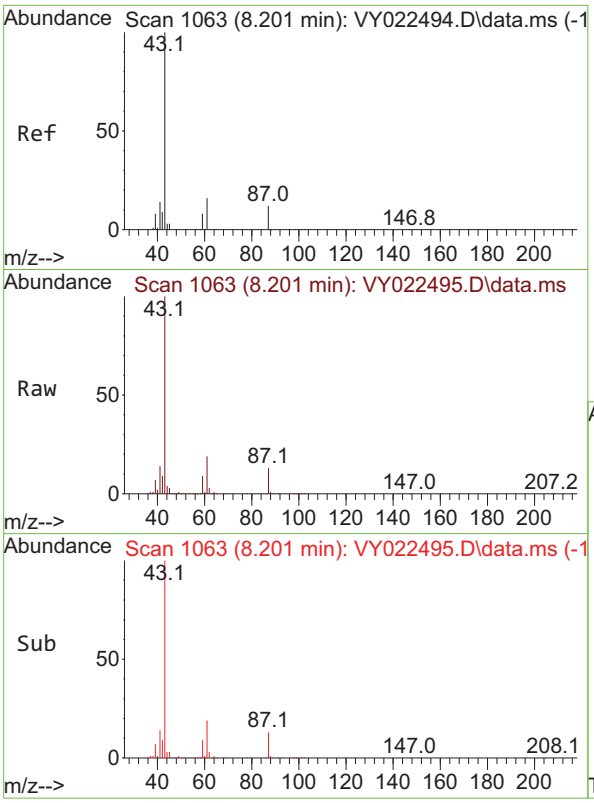


#42
1,2-Dichloroethane
Concen: 103.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 286305

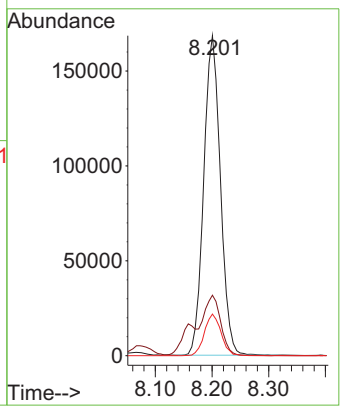
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



#43
Isopropyl Acetate
Concen: 103.721 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 34411

Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.6	23.4
87	13.0	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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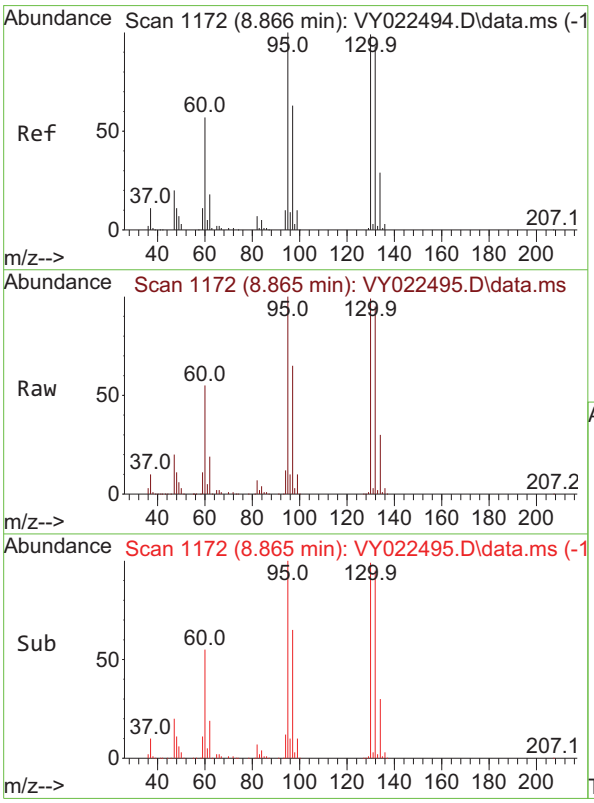
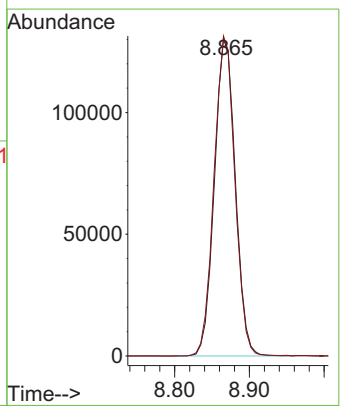
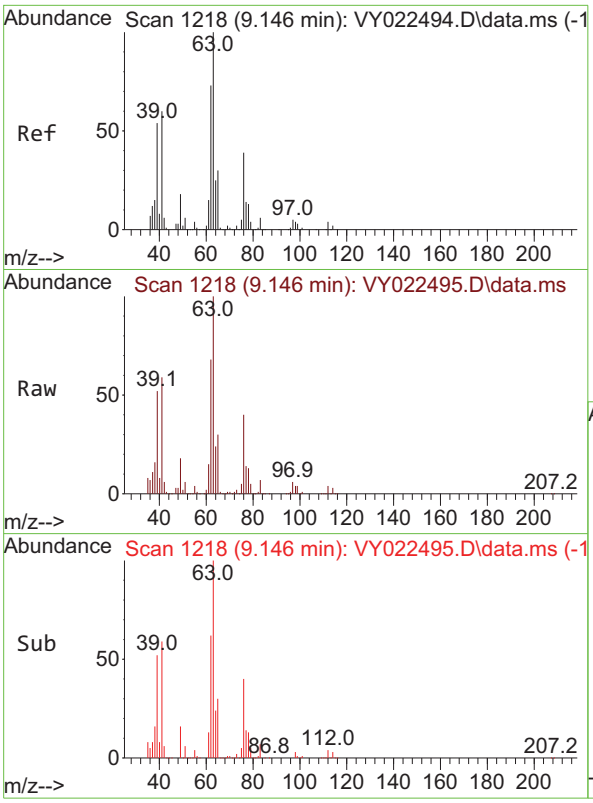


#44
Trichloroethene
Concen: 102.104 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:130 Resp: 253632

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.0

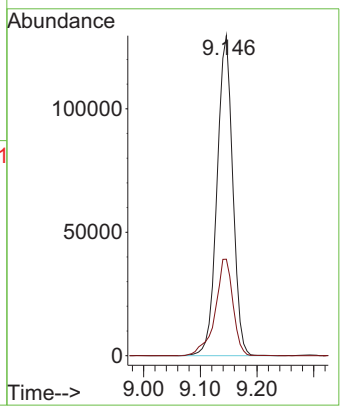




#45
1,2-Dichloropropane
Concen: 102.865 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 24936

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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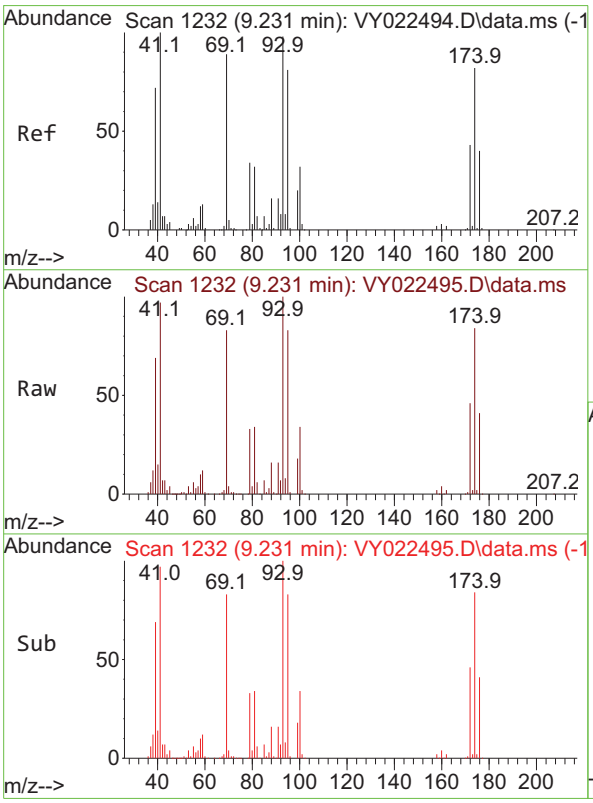
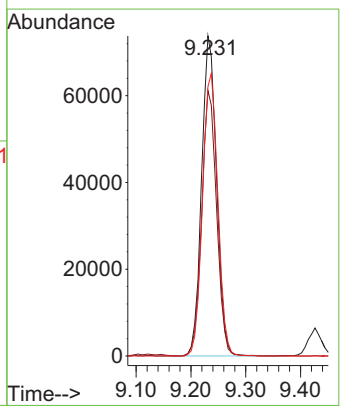
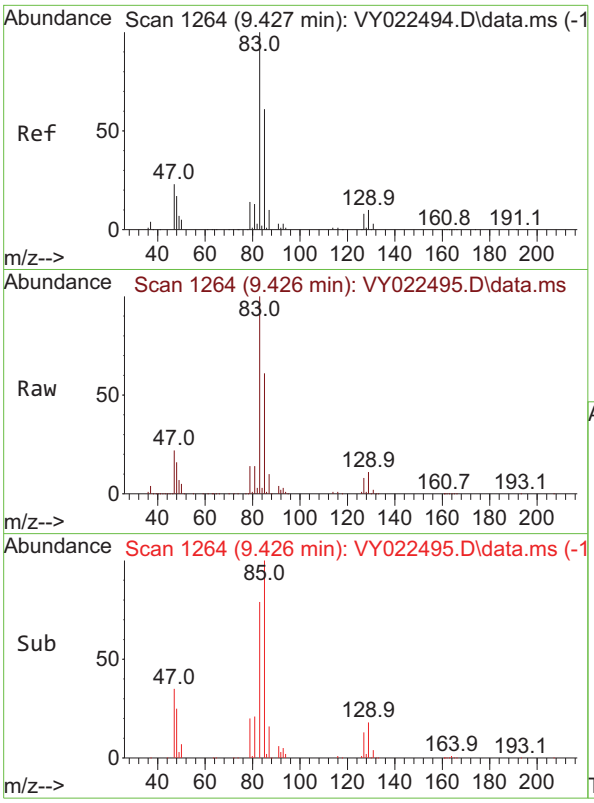


#46
Dibromomethane
Concen: 102.605 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 93 Resp: 139349

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	90.4	70.4	105.6

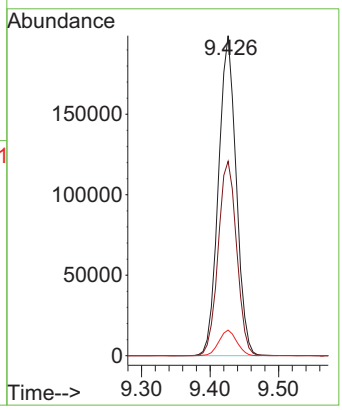




#47
Bromodichloromethane
Concen: 103.321 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 35602

Ion	Ratio	Lower	Upper
83	100		
85	60.7	49.1	73.7
127	8.0	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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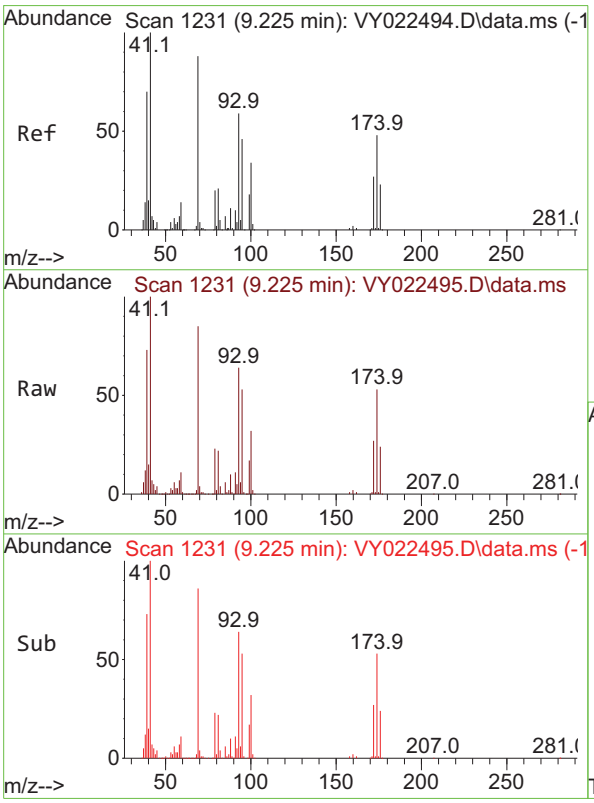
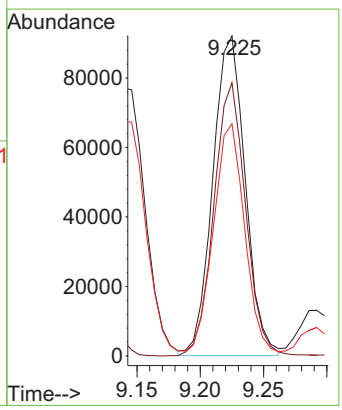
Supervised By :Mahesh Dadoda 06/03/2025

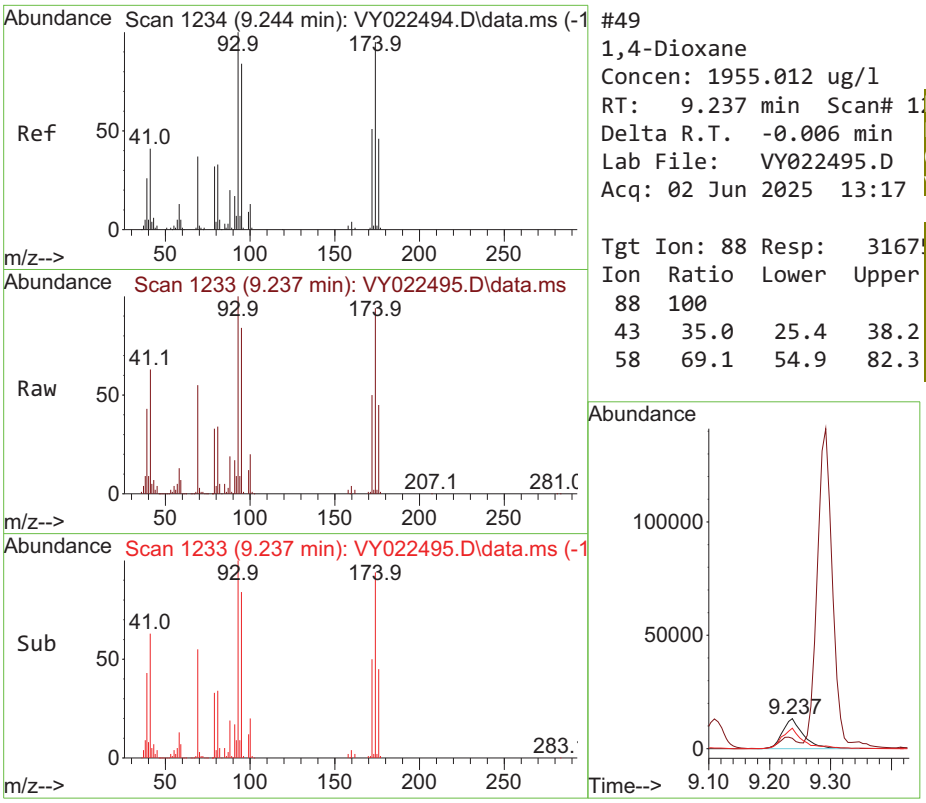


#48
Methyl methacrylate
Concen: 107.875 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 163867

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.8	101.8
39	68.0	55.0	82.4





#49
1,4-Dioxane
Concen: 1955.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 88 Resp: 3167

Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.4	38.2
58	69.1	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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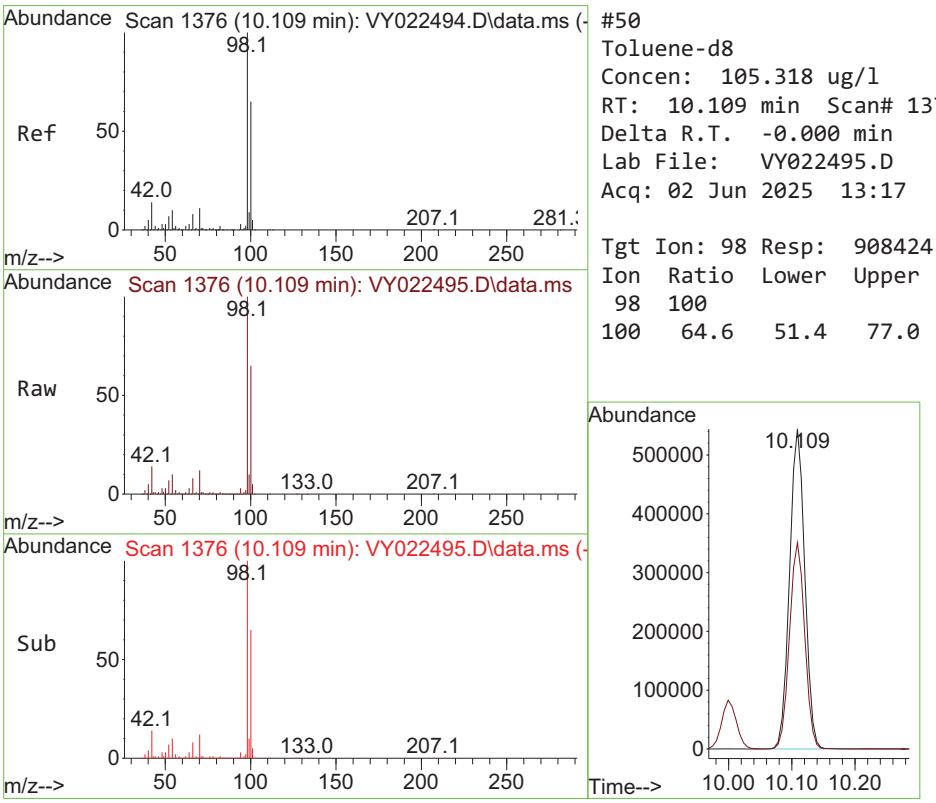
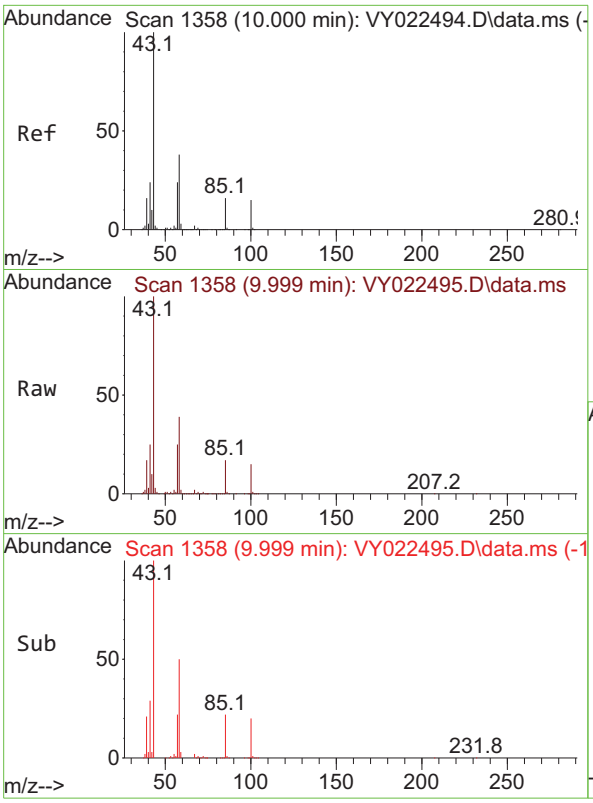
Supervised By :Mahesh Dadoda 06/03/2025



#50
Toluene-d8
Concen: 105.318 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 98 Resp: 908424

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



#51
4-Methyl-2-Pentanone
Concen: 537.390 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 88489

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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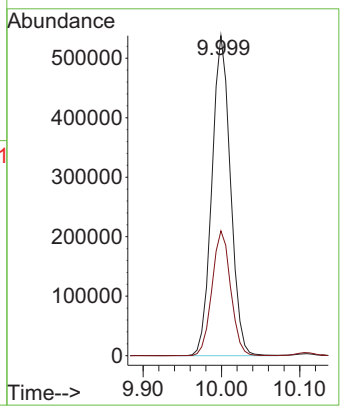
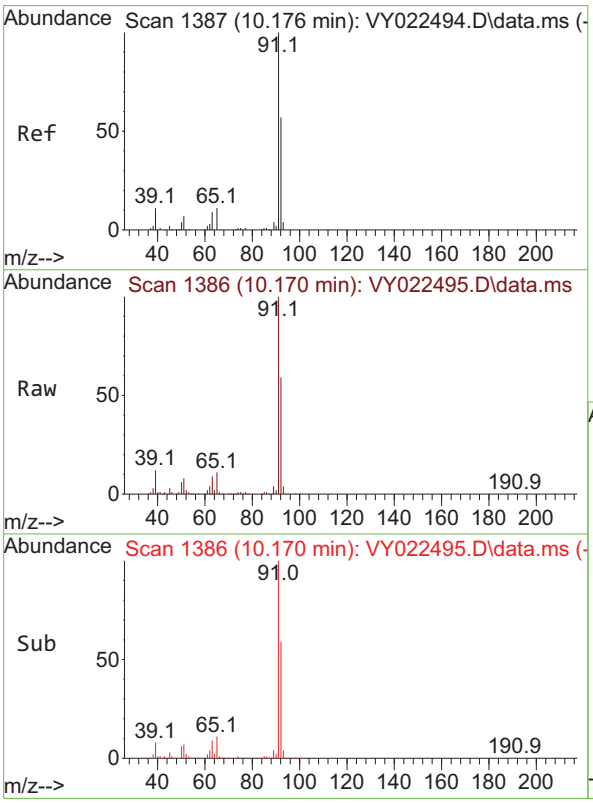
Supervised By :Mahesh Dadoda 06/03/2025

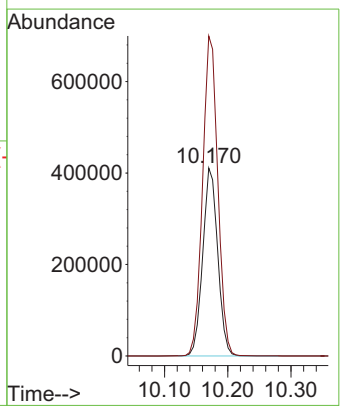


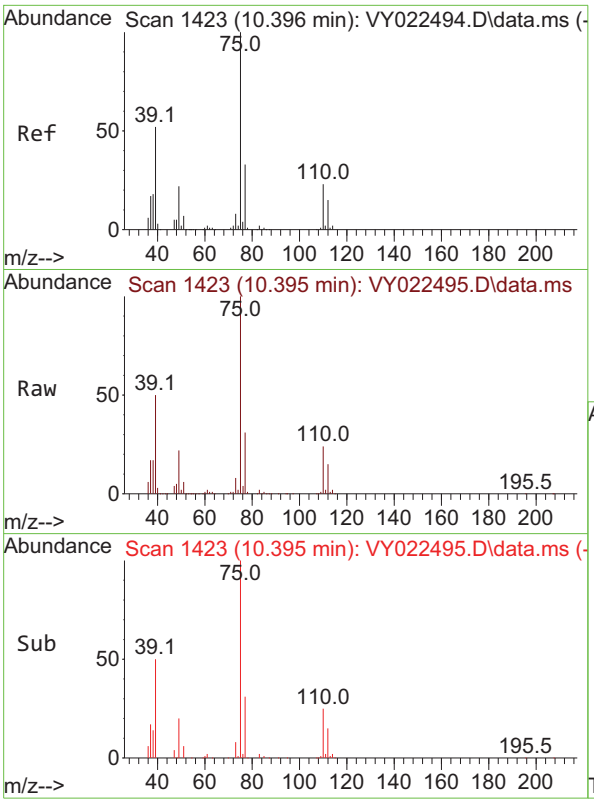


#52
Toluene
Concen: 105.821 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 92 Resp: 676554

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 106.548 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 33964

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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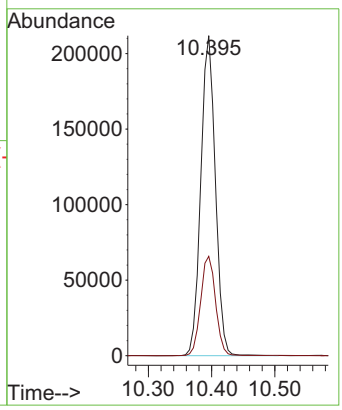
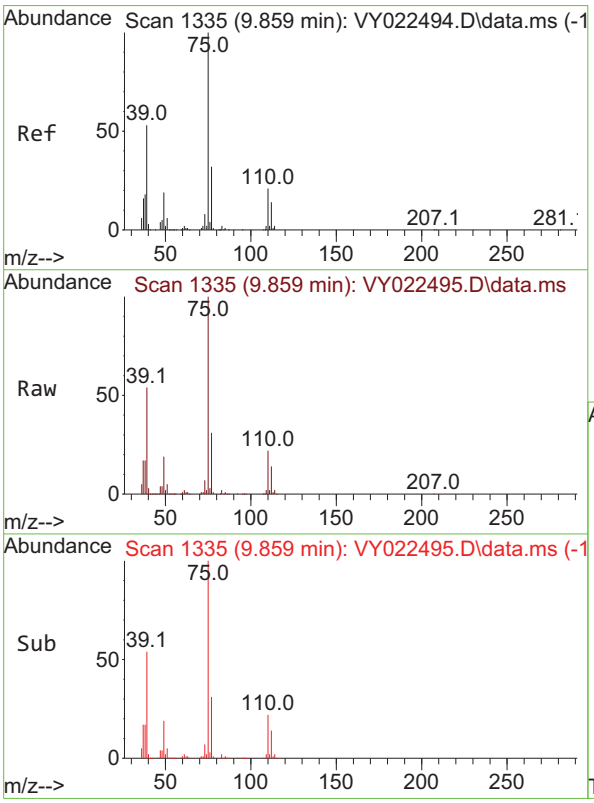
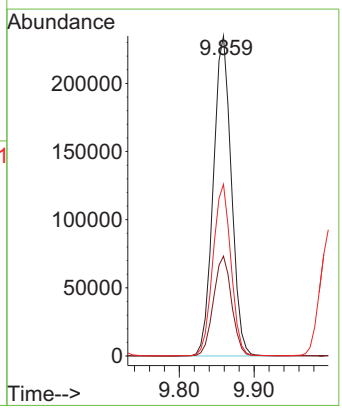


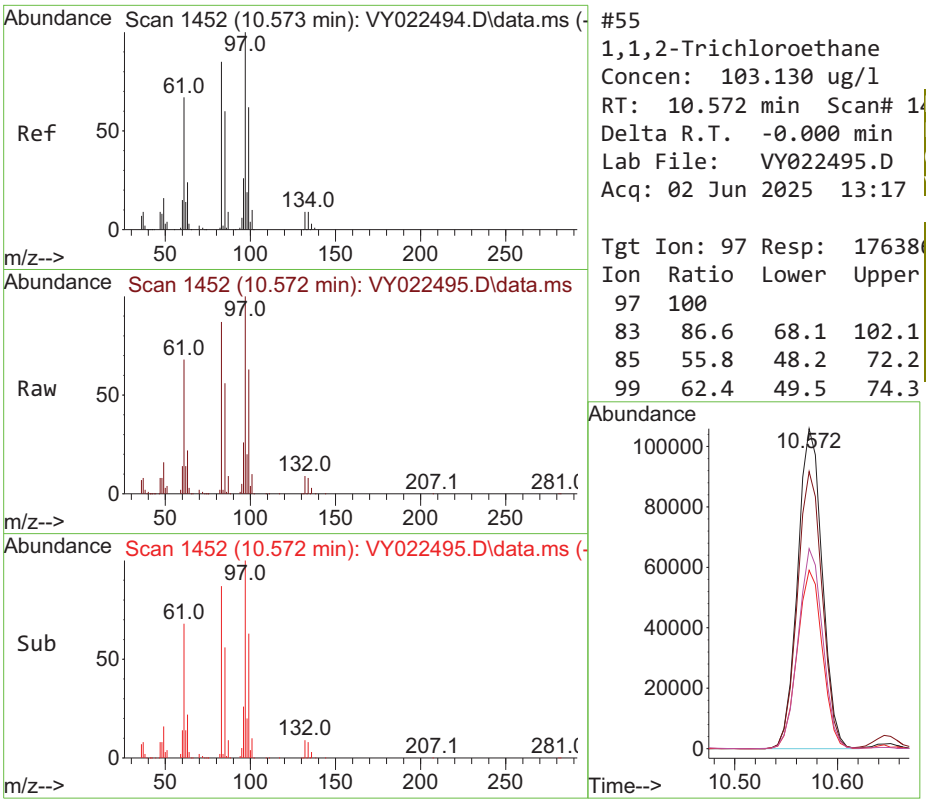


#54
cis-1,3-Dichloropropene
Concen: 105.579 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 394647

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	53.6	42.7	64.1





#55
1,1,2-Trichloroethane
Concen: 103.130 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 17638

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	48.2	72.2
99	62.4	49.5	74.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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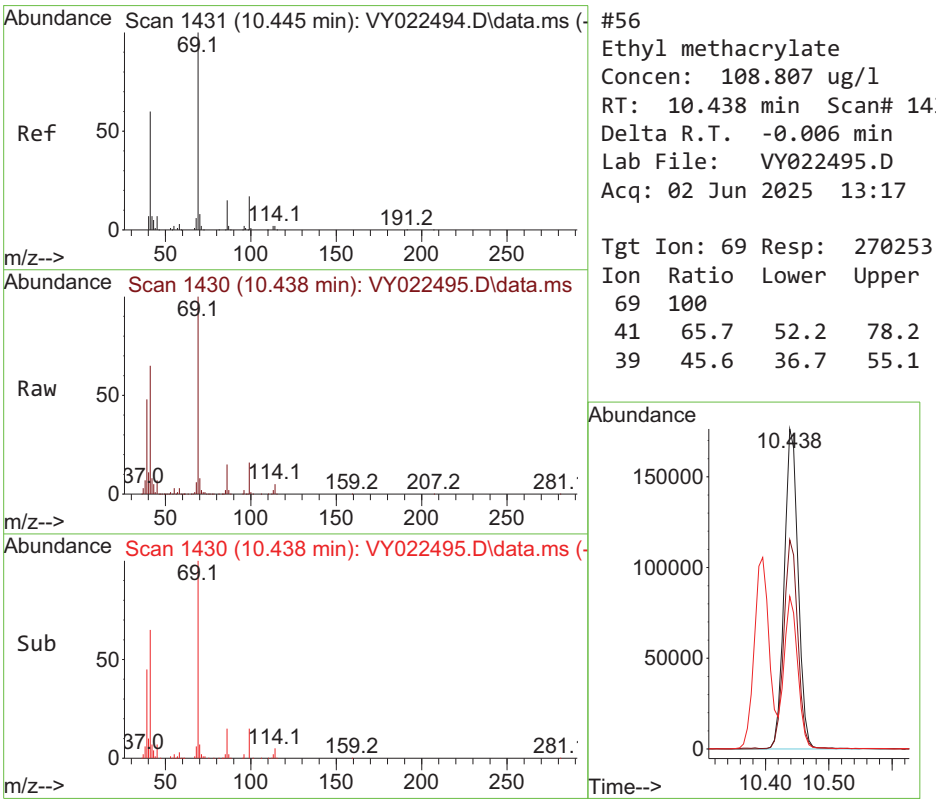
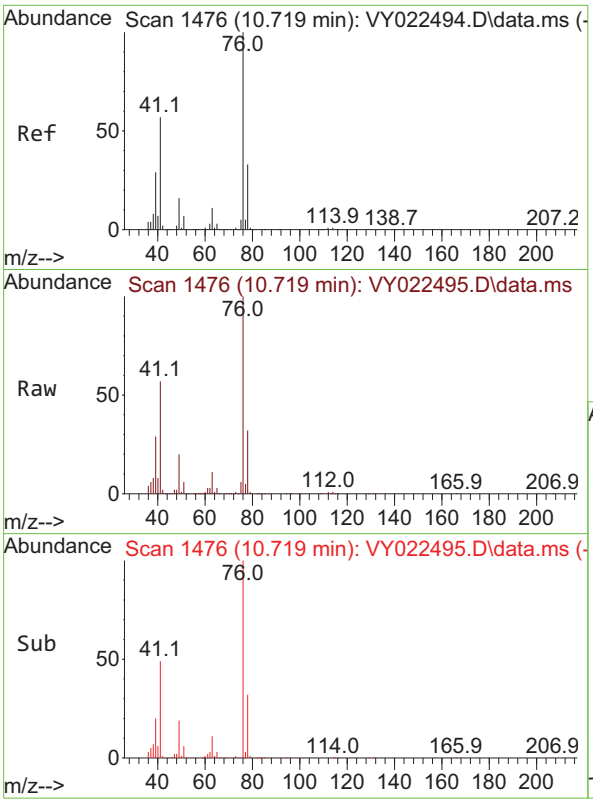
Supervised By :Mahesh Dadoda 06/03/2025



#56
Ethyl methacrylate
Concen: 108.807 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 69 Resp: 270253

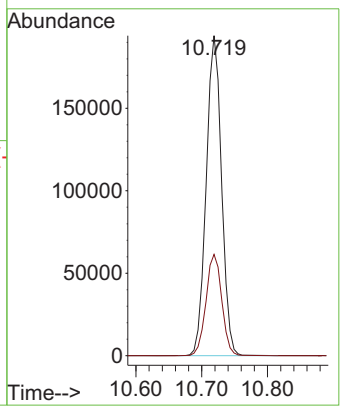
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	45.6	36.7	55.1



#57
1,3-Dichloropropane
Concen: 103.374 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 76 Resp: 31488

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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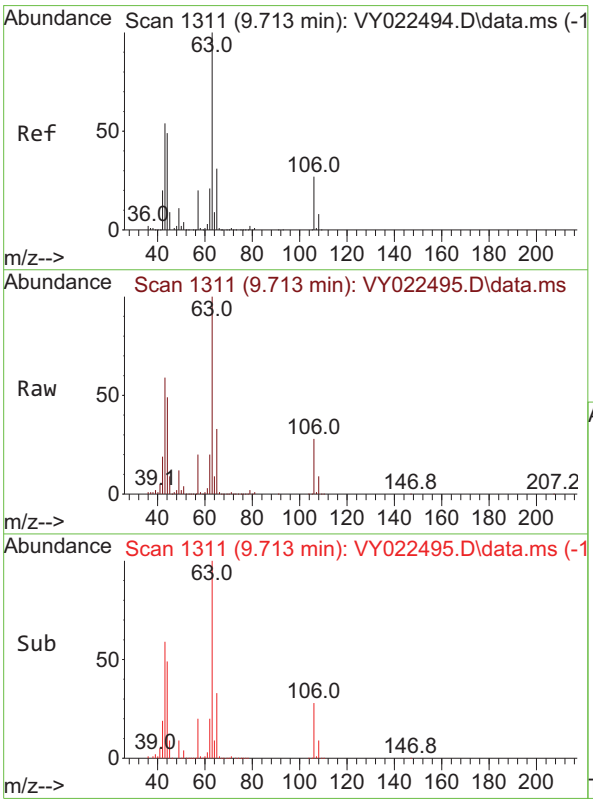
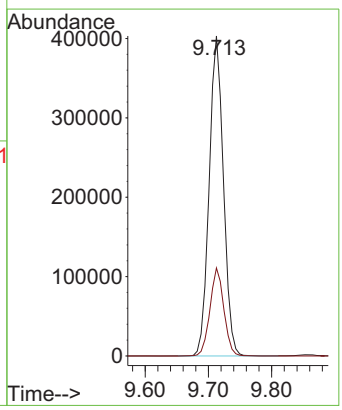
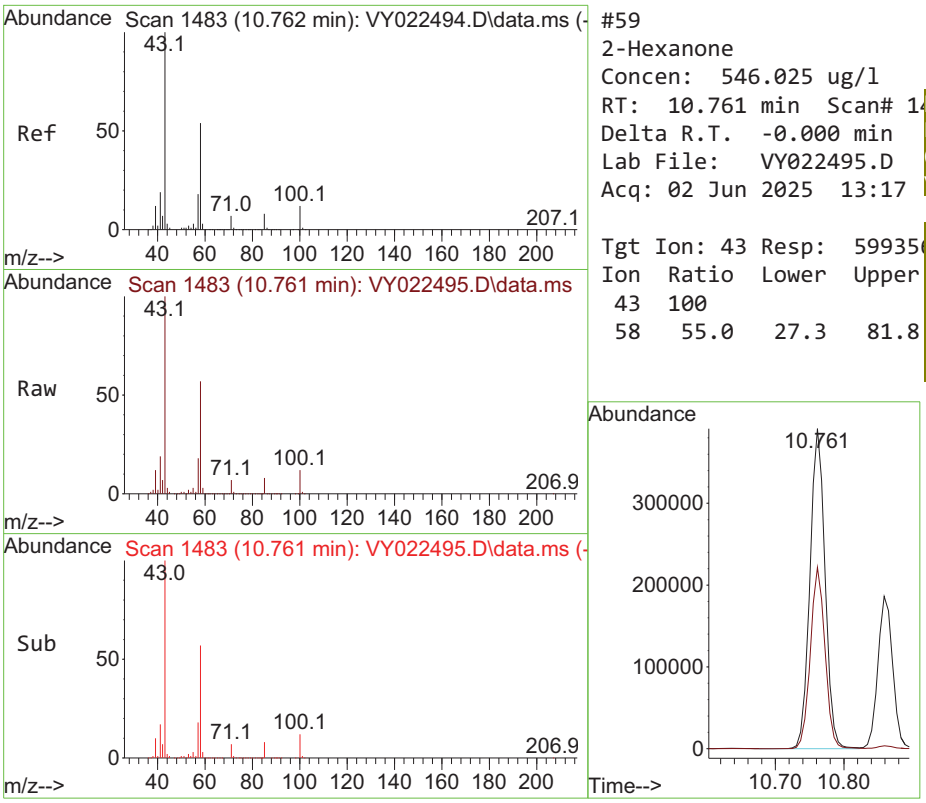


#58
2-Chloroethyl Vinyl ether
Concen: 570.744 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 631985

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4





#59
2-Hexanone
Concen: 546.025 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 59935

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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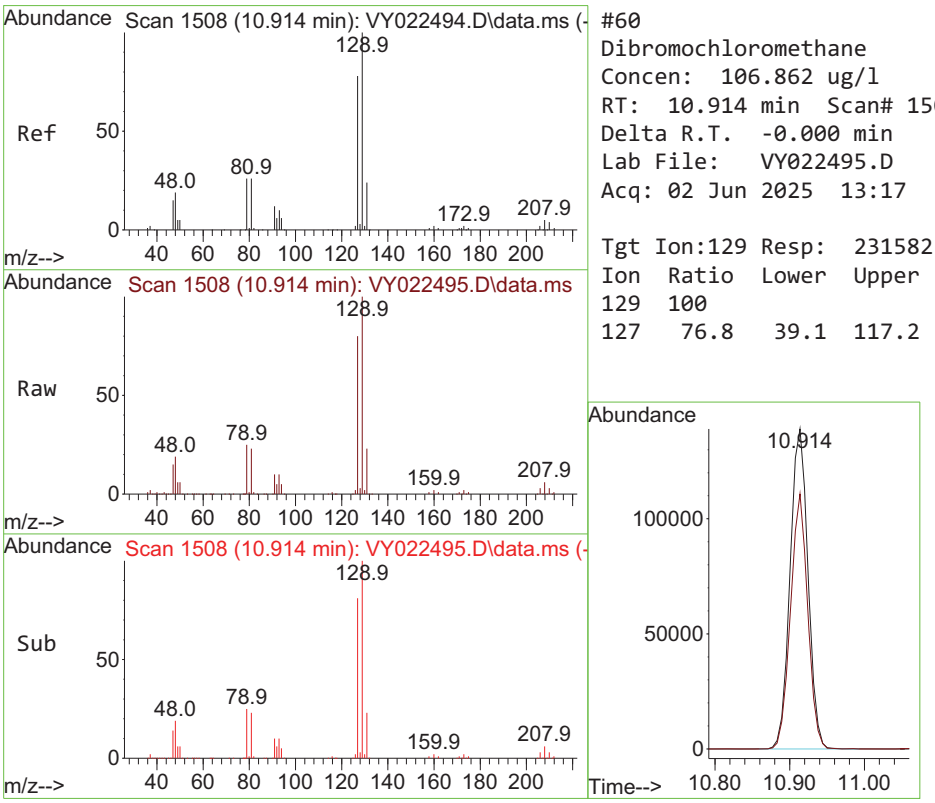
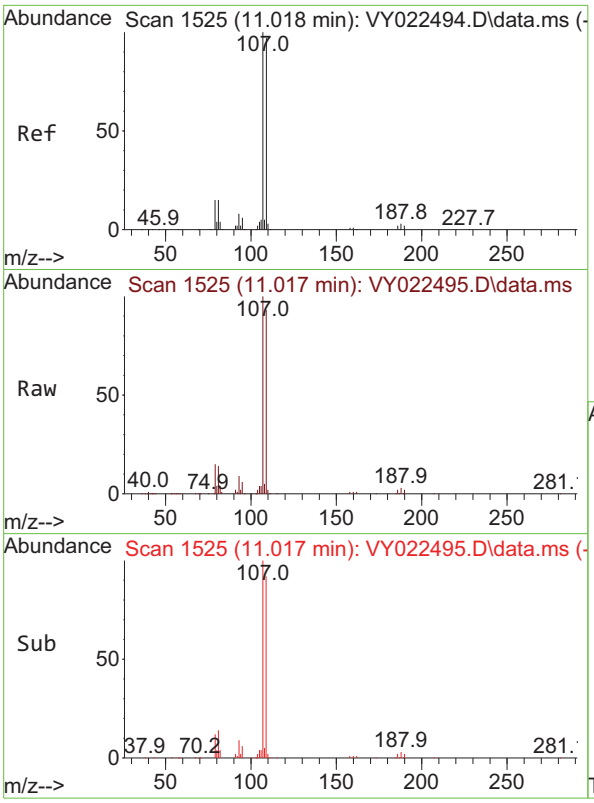


#60
Dibromochloromethane
Concen: 106.862 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:129 Resp: 231582

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2



#61
1,2-Dibromoethane
Concen: 103.182 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:107 Resp: 16284

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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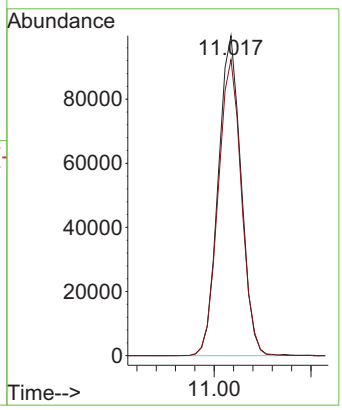
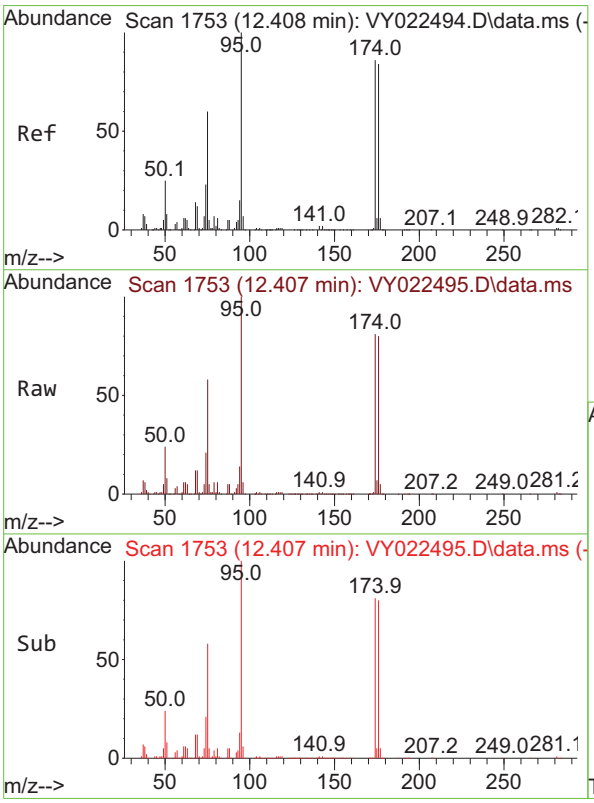
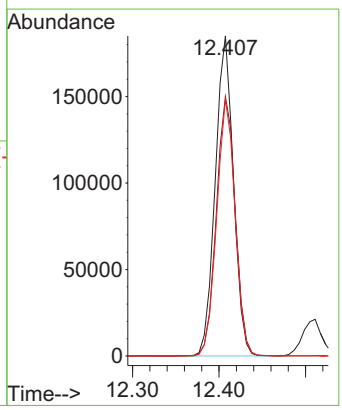


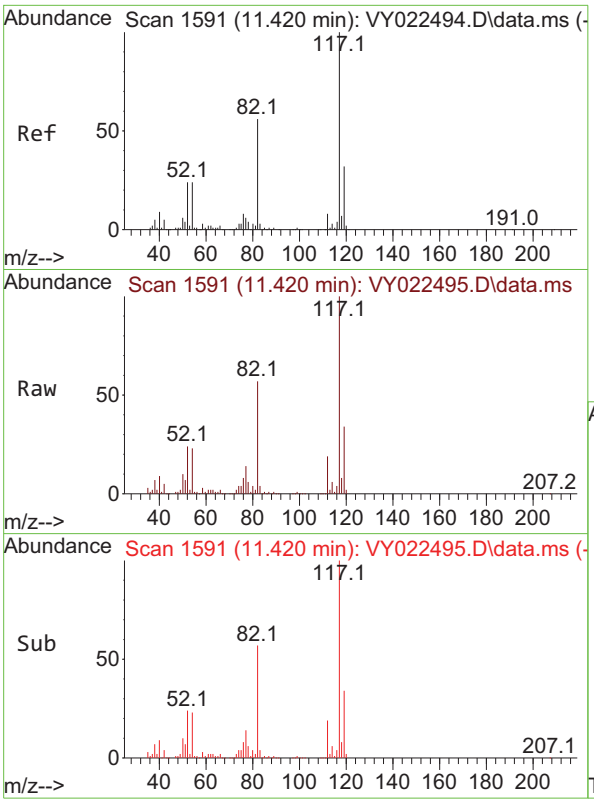


#62
4-Bromofluorobenzene
Concen: 103.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 95 Resp: 270310

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.0
176	80.8	0.0	166.2

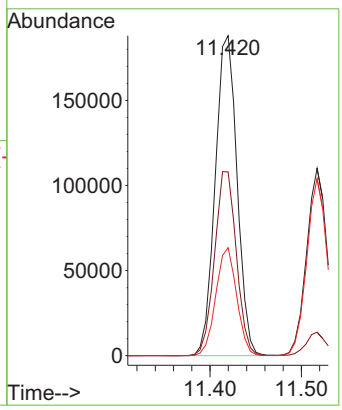




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 31274

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	33.8	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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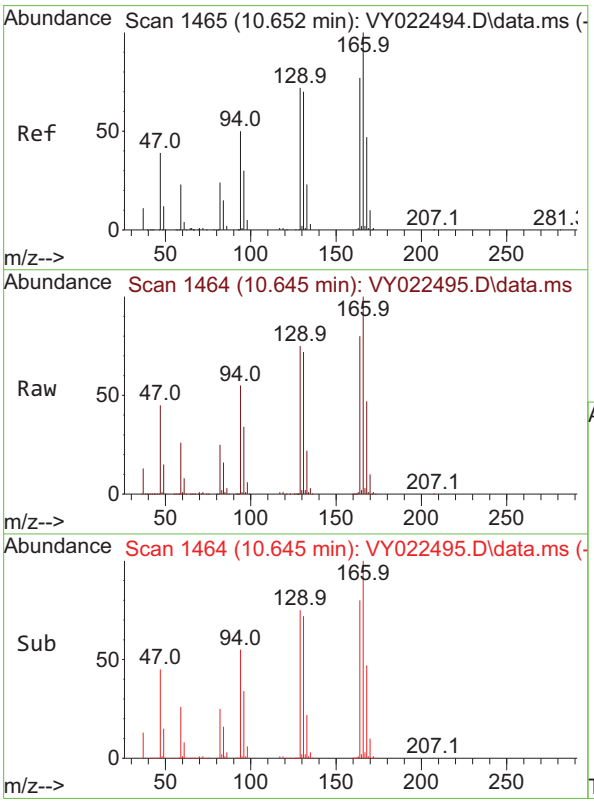
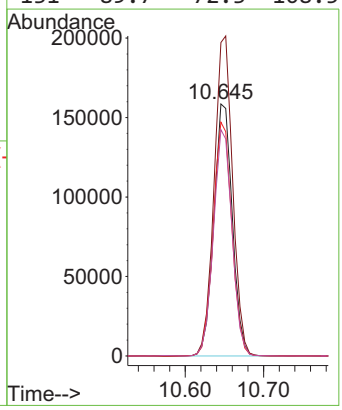
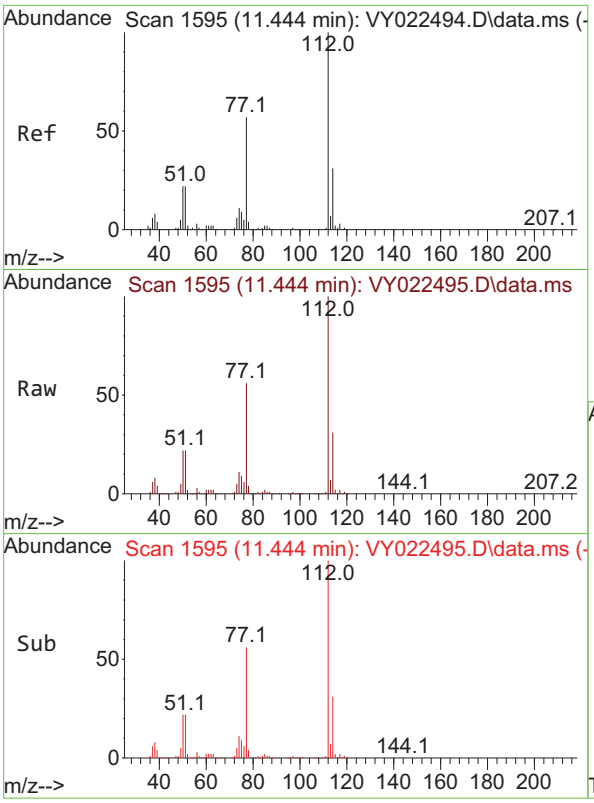


#64
Tetrachloroethene
Concen: 97.857 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:164 Resp: 260085

Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.0	156.0
129	92.8	74.5	111.7
131	89.7	72.3	108.5

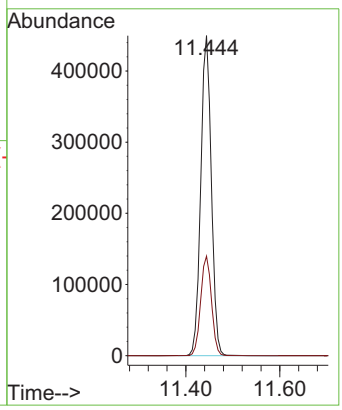




#65
Chlorobenzene
Concen: 103.277 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:112 Resp: 70036

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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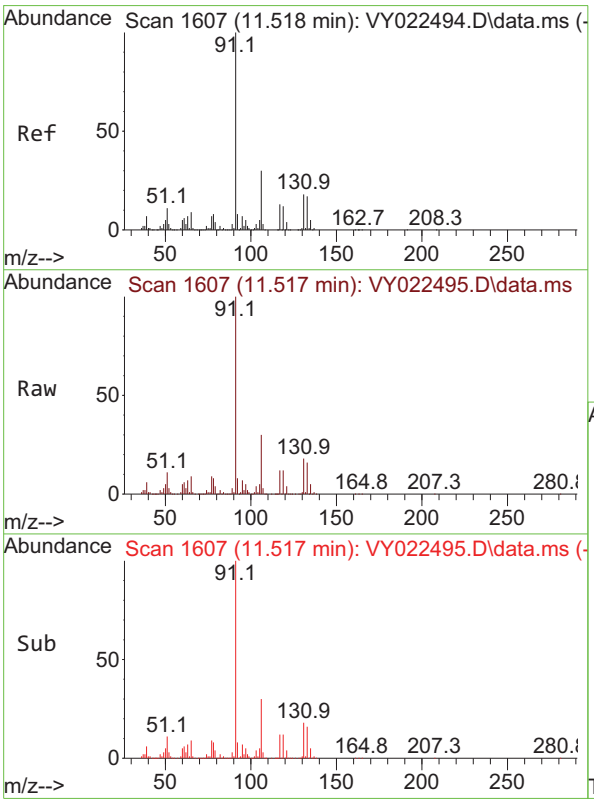
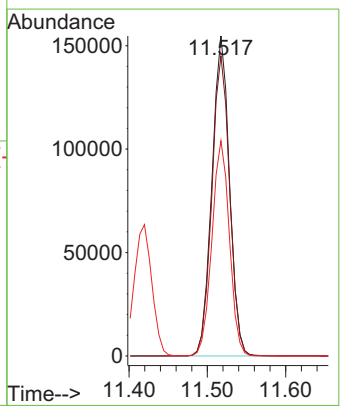
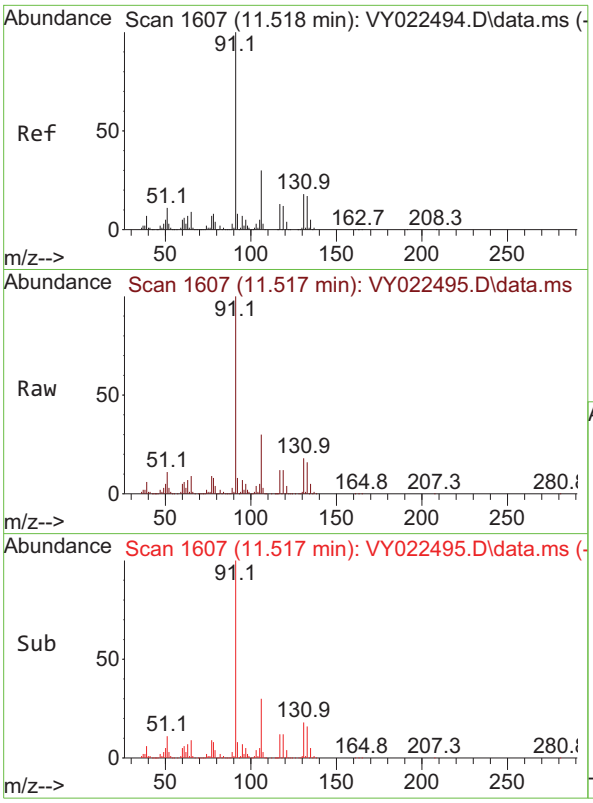


#66
1,1,1,2-Tetrachloroethane
Concen: 104.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:131 Resp: 241080

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.8
119	66.9	33.1	99.3





#67
Ethyl Benzene
Concen: 106.379 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 134342

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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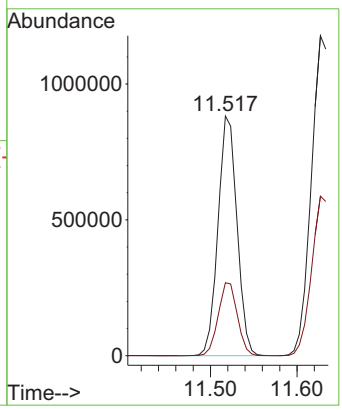
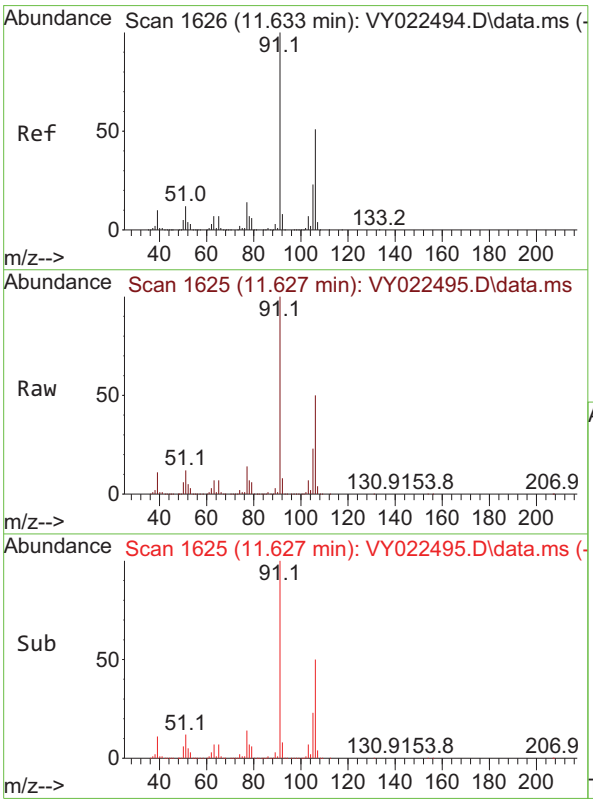
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

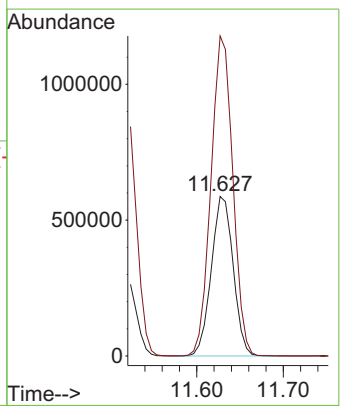


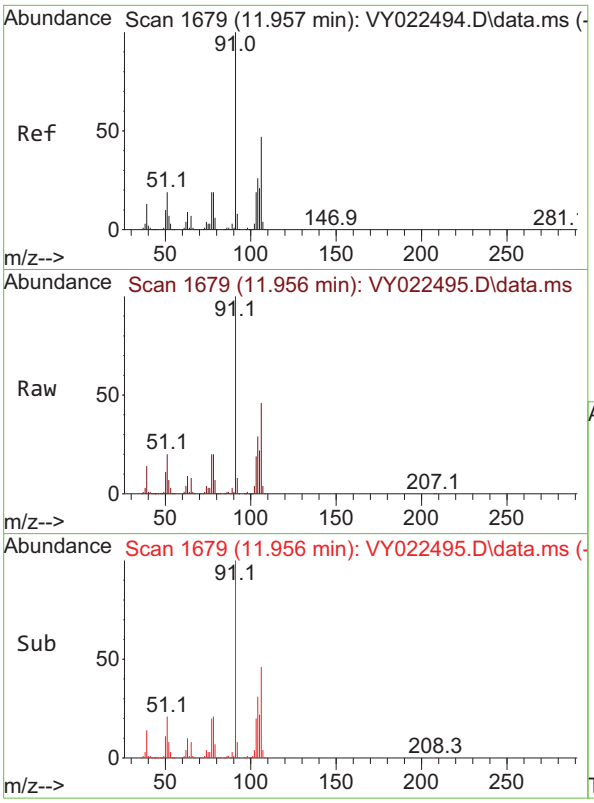


#68
m/p-Xylenes
Concen: 215.017 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 1027669

Ion	Ratio	Lower	Upper
106	100		
91	200.6	159.4	239.0

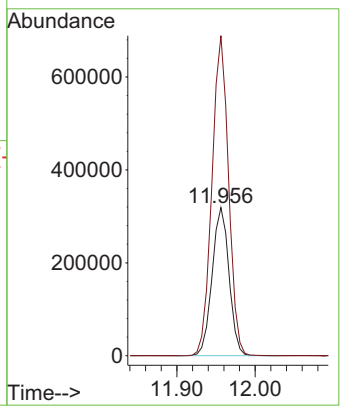




#69
o-Xylene
Concen: 106.884 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 47810

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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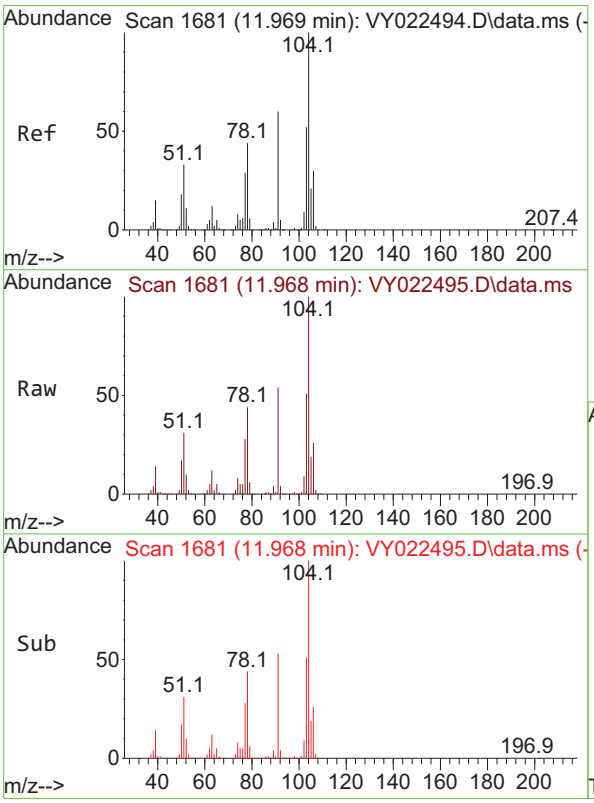
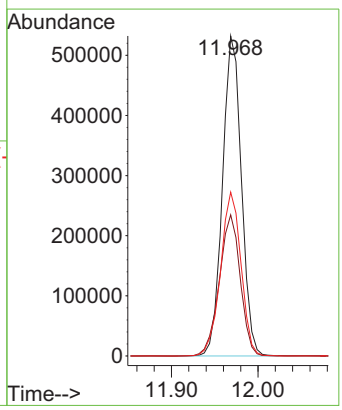
Supervised By :Mahesh Dadoda 06/03/2025

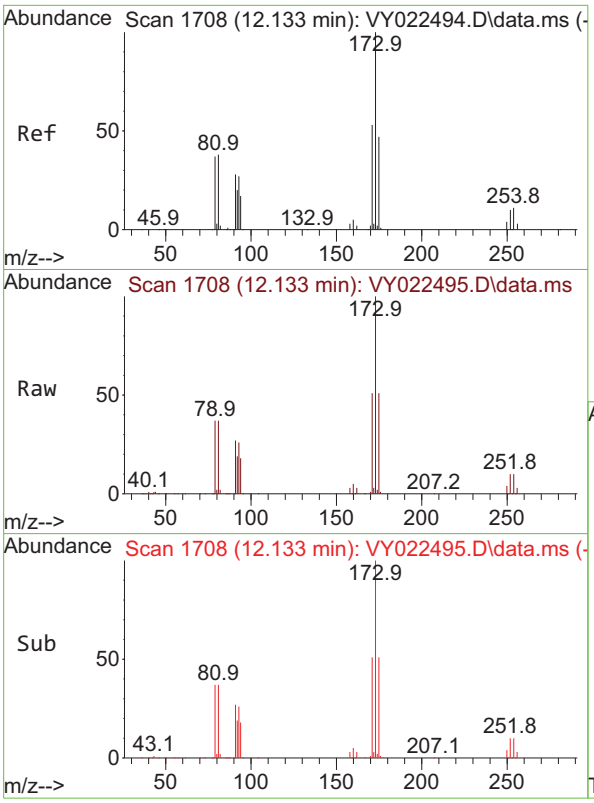


#70
Styrene
Concen: 109.011 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:104 Resp: 807331

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	55.3	44.1	66.1

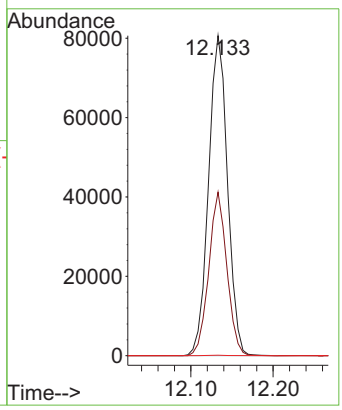




#71
Bromoform
Concen: 106.900 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:173 Resp: 12913

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.5
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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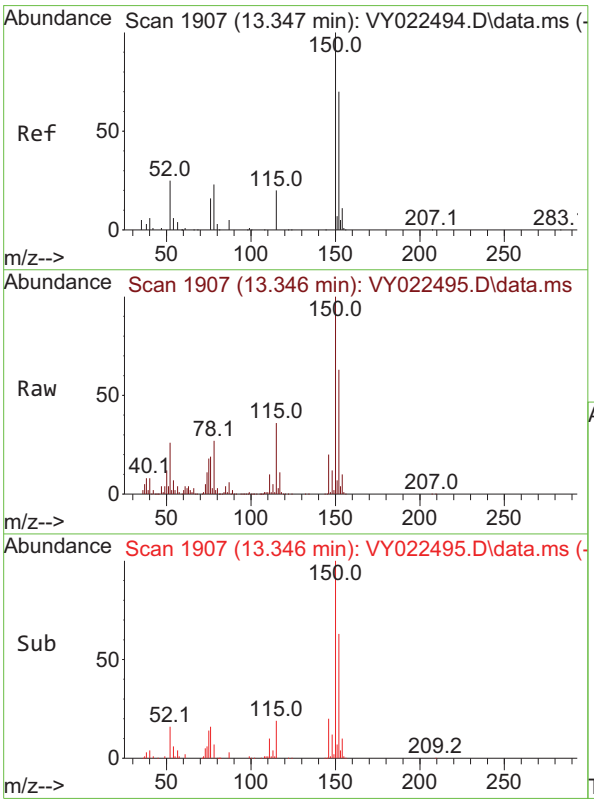
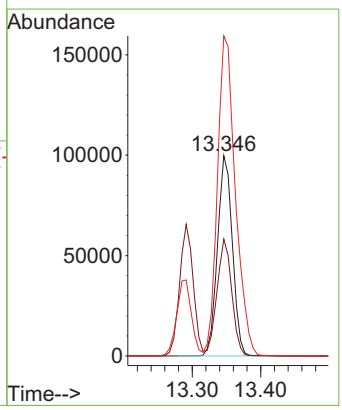
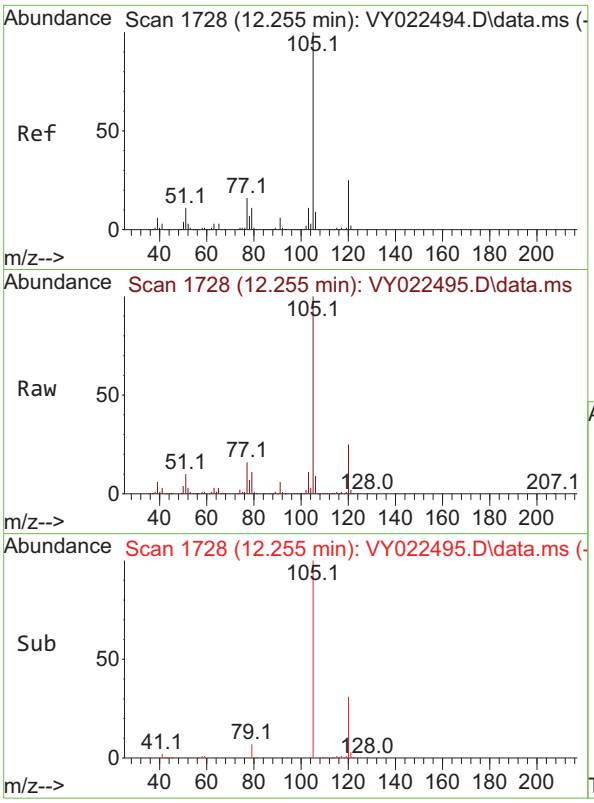


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:152 Resp: 150217

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	192.2	0.0	349.6

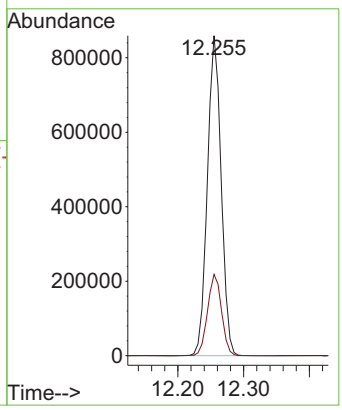




#73
Isopropylbenzene
Concen: 103.429 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 125178

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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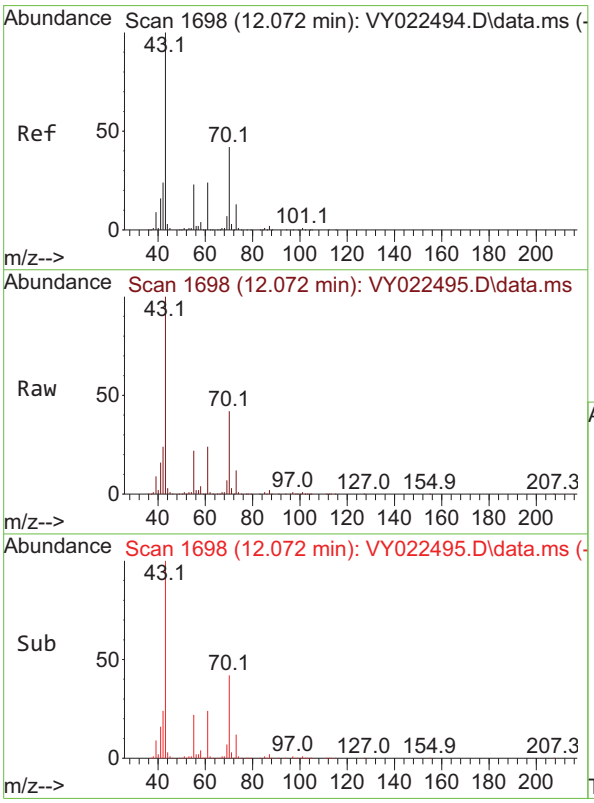
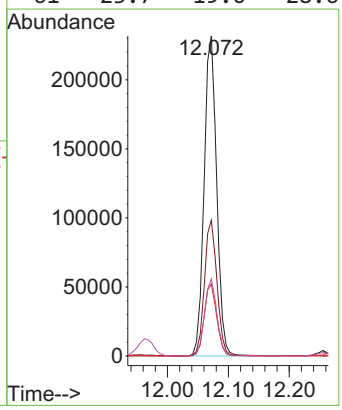
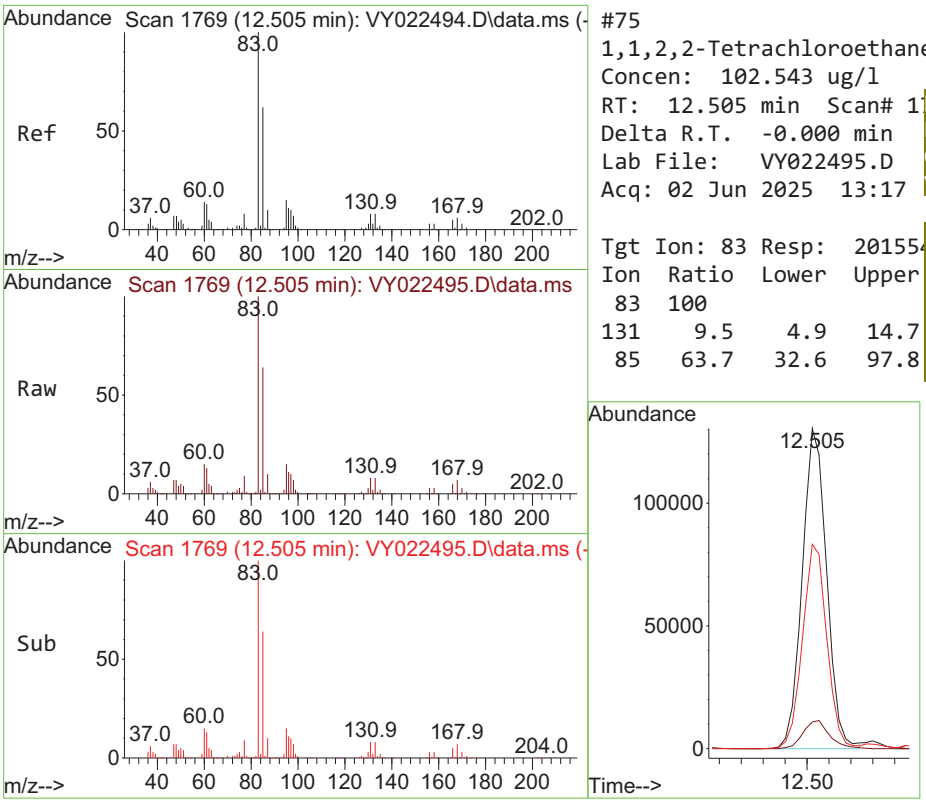


#74
N-amyl acetate
Concen: 108.232 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 331256

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	22.5	18.2	27.4
61	23.7	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 102.543 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 20155

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.7	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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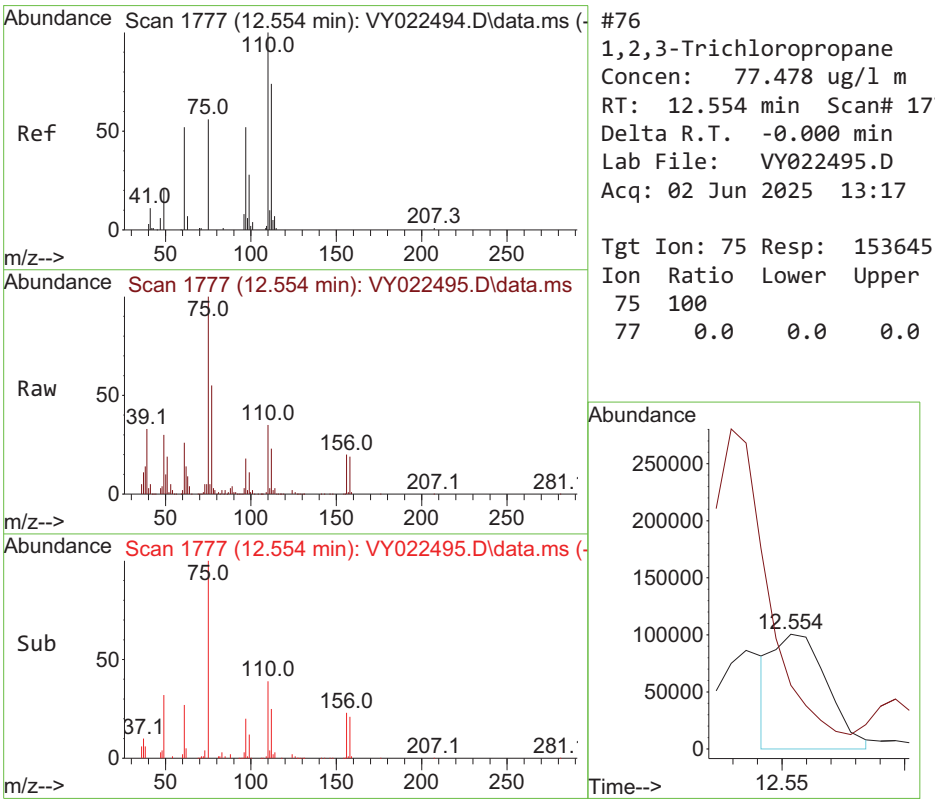
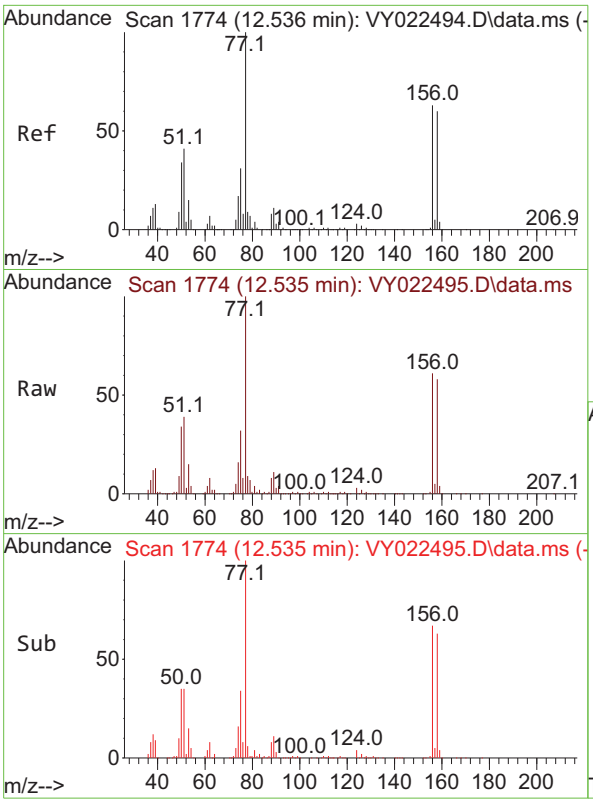
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76
1,2,3-Trichloropropane
Concen: 77.478 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 153645

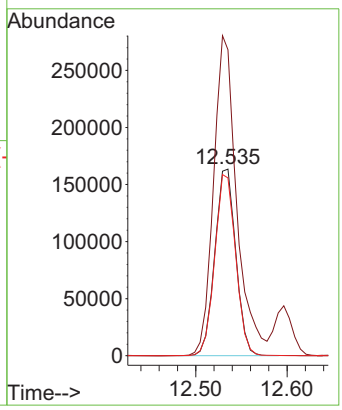
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 101.560 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:156 Resp: 26052

Ion	Ratio	Lower	Upper
156	100		
77	189.8	94.0	282.1
158	97.1	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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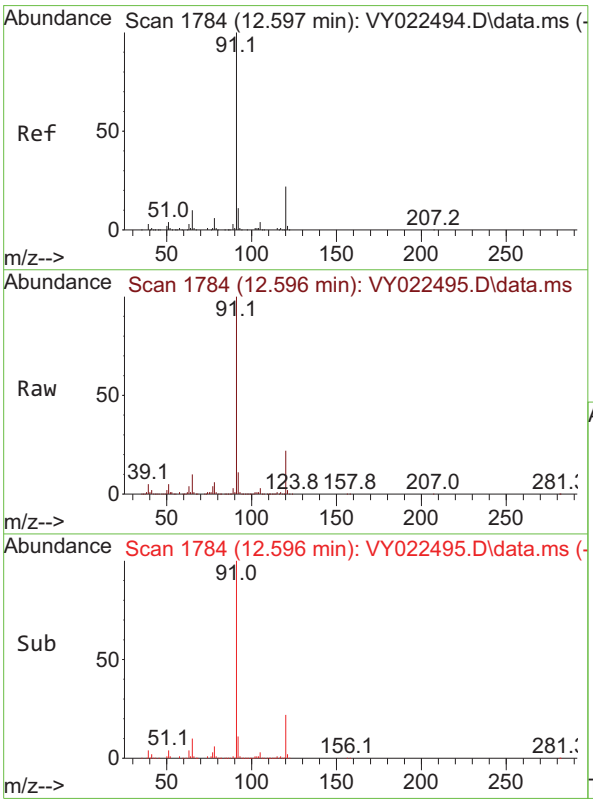
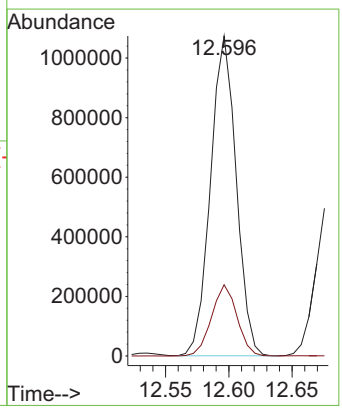
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

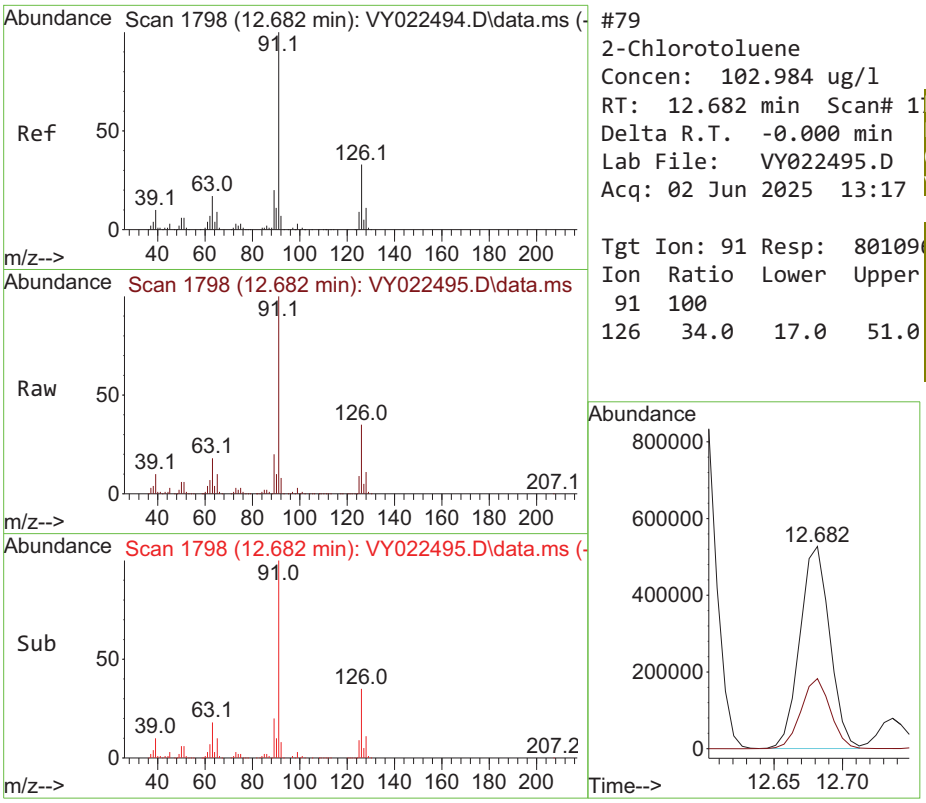


#78
n-propylbenzene
Concen: 103.002 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 1517453

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 102.984 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 80109

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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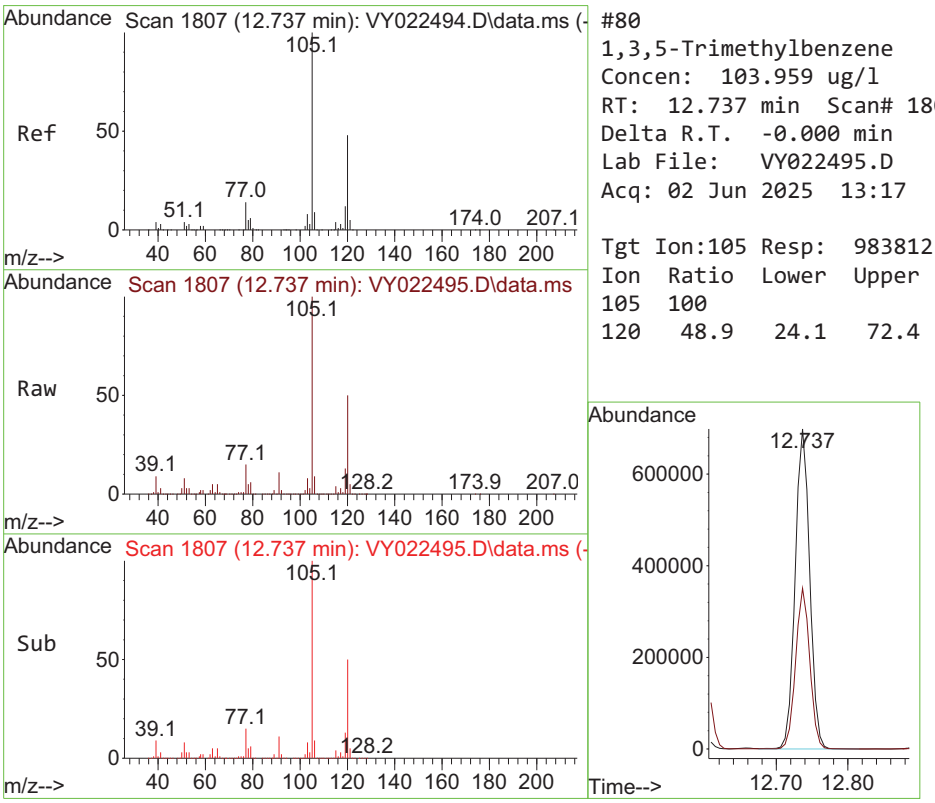
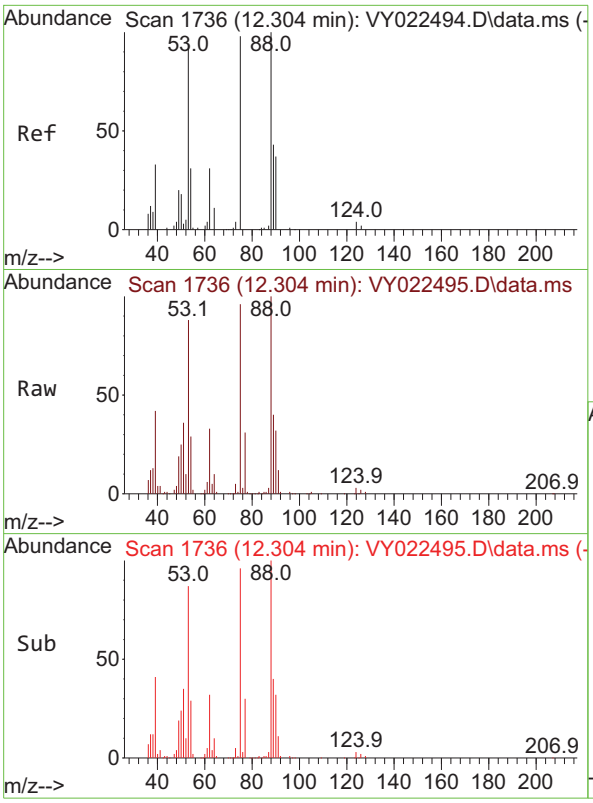


#80
1,3,5-Trimethylbenzene
Concen: 103.959 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 983812

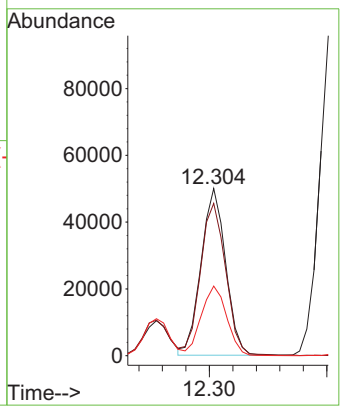
Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 104.845 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 7251

Ion	Ratio	Lower	Upper
75	100		
53	94.6	78.5	117.7
89	43.2	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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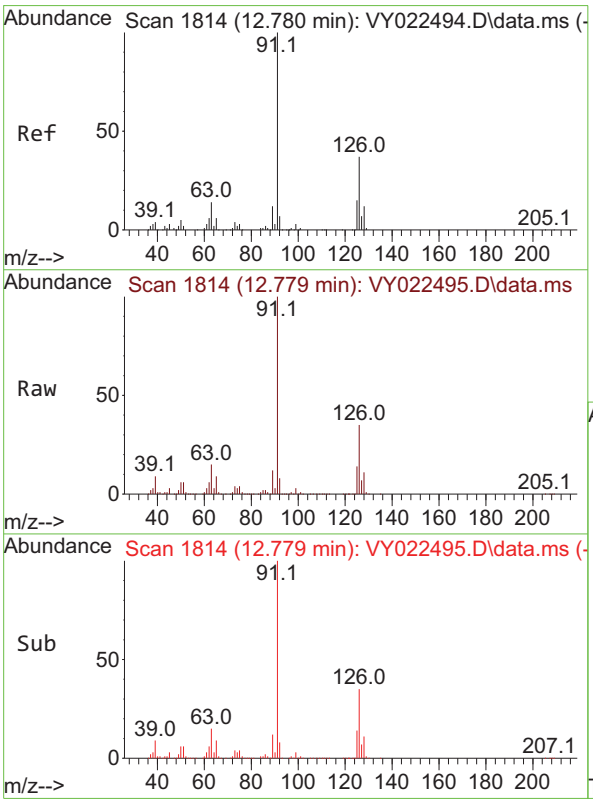
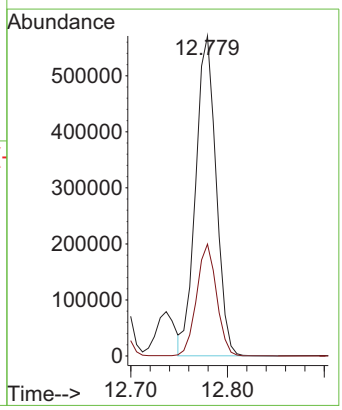
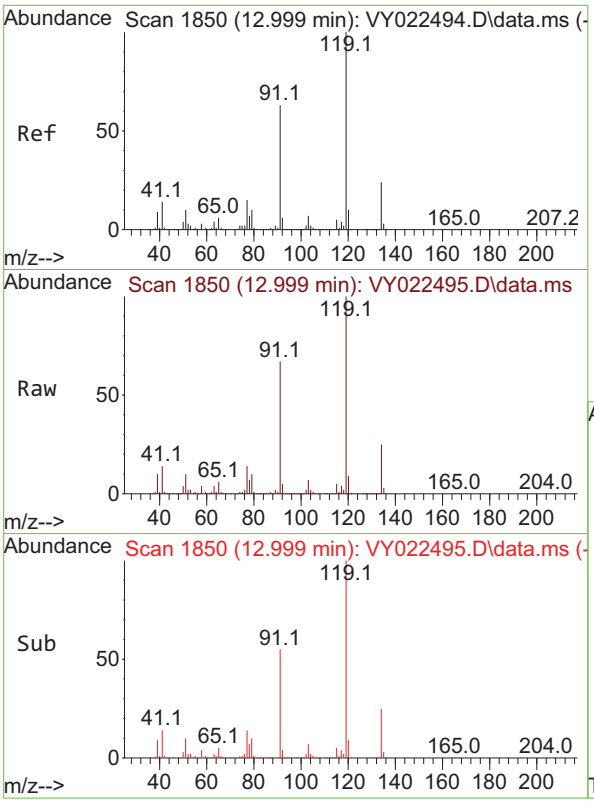


#82
4-Chlorotoluene
Concen: 103.758 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 836500

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9

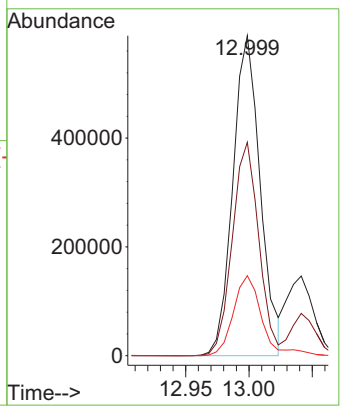




#83
tert-Butylbenzene
Concen: 102.740 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 88694

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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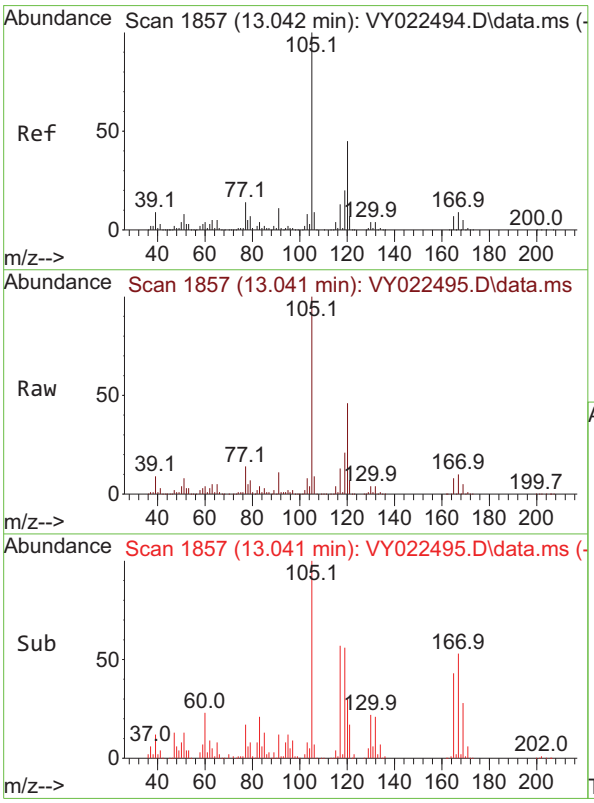
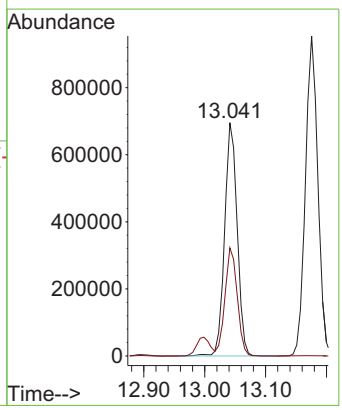
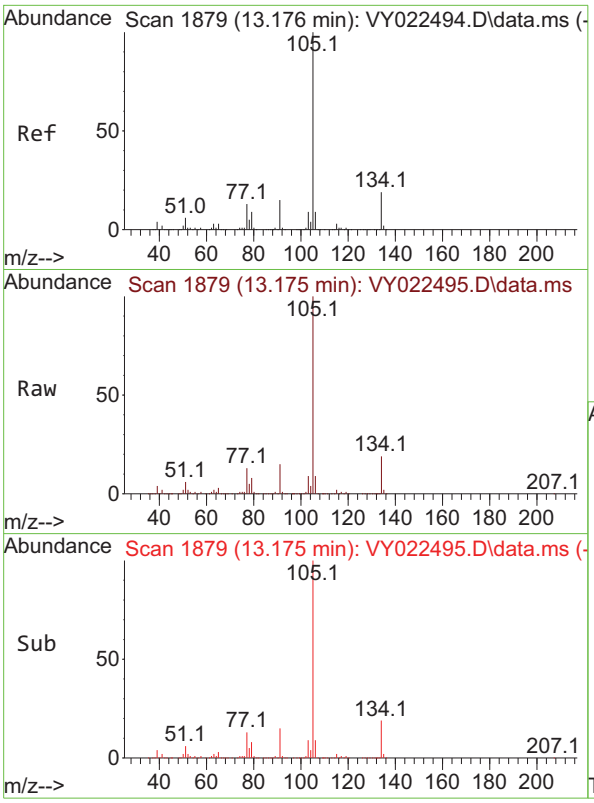


#84
1,2,4-Trimethylbenzene
Concen: 104.854 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 992770

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1

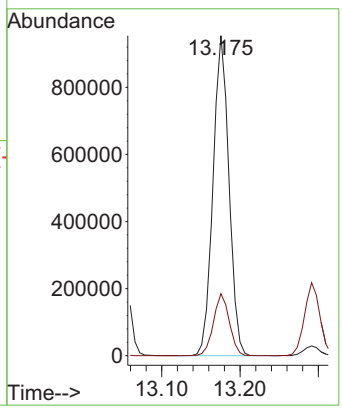




#85
sec-Butylbenzene
Concen: 103.006 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 134820

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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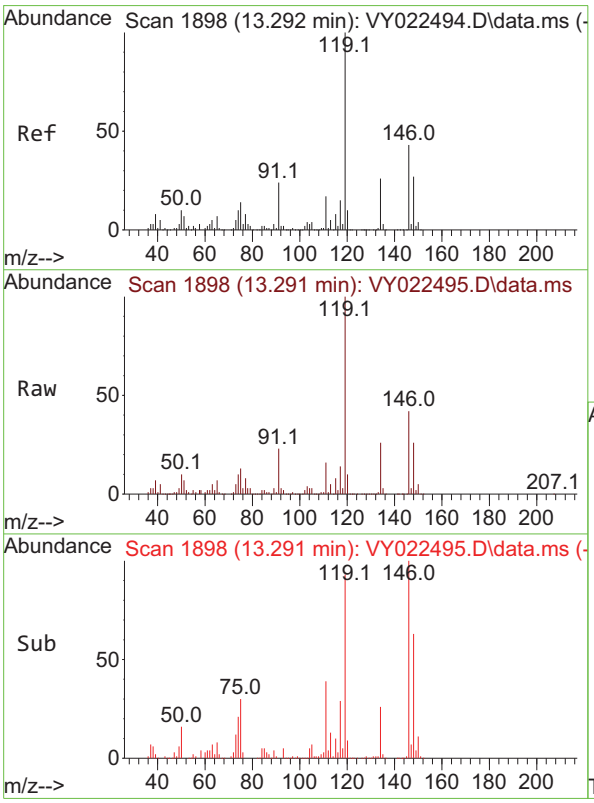
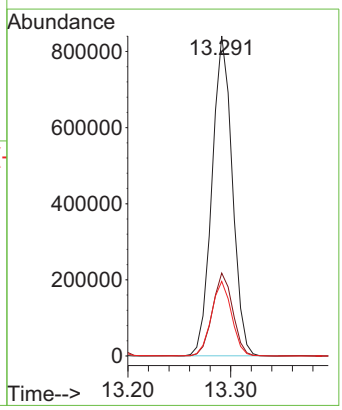
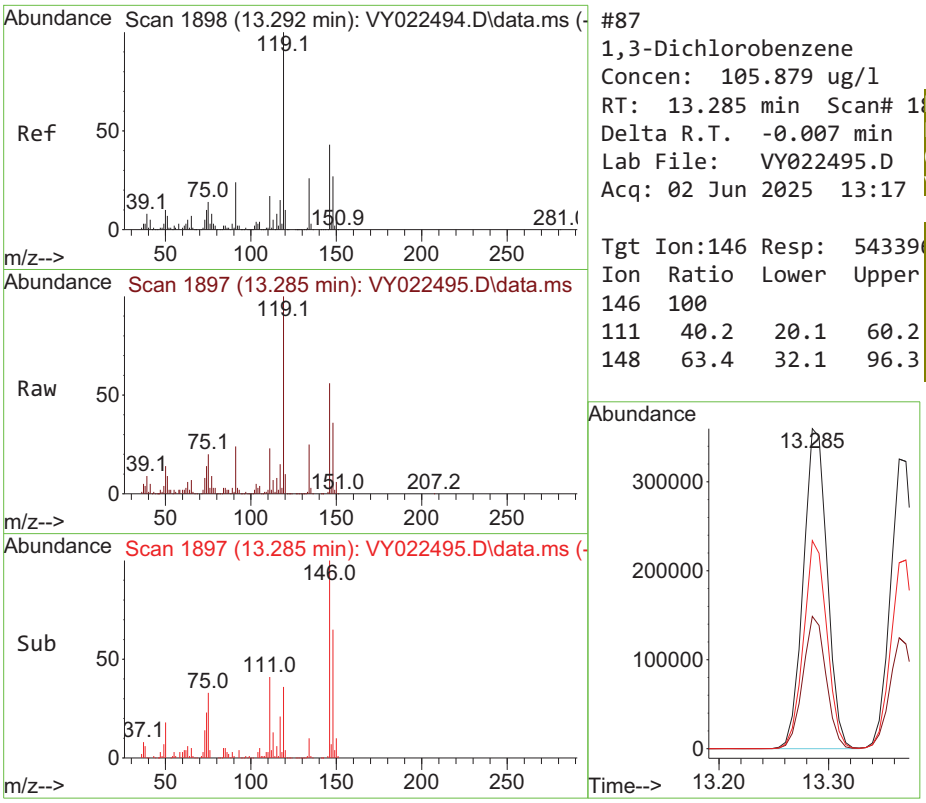


#86
p-Isopropyltoluene
Concen: 106.760 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 1148821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 105.879 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

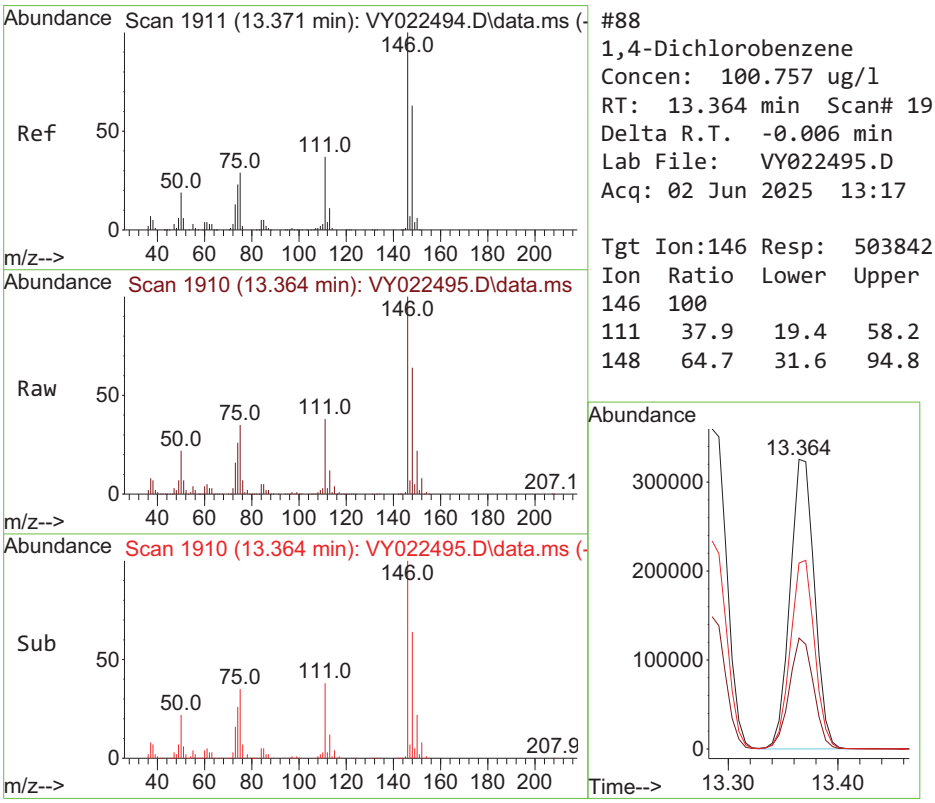
Tgt Ion:146 Resp: 54339

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.4	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

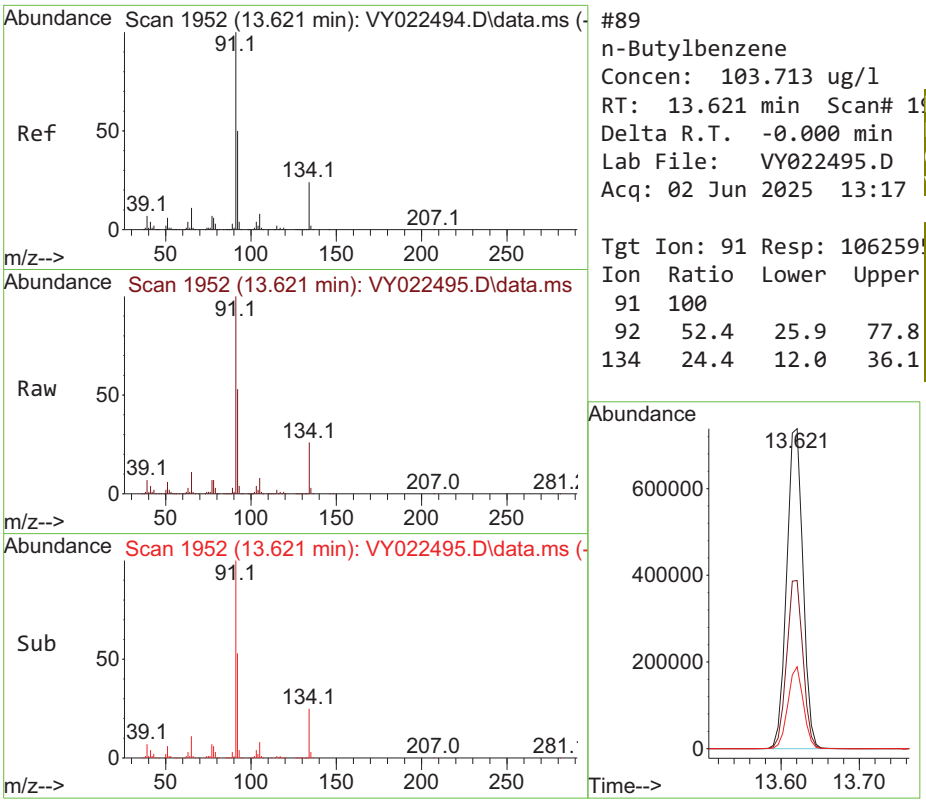
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#88
1,4-Dichlorobenzene
Concen: 100.757 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 503842

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.7	31.6	94.8



#89
n-Butylbenzene
Concen: 103.713 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

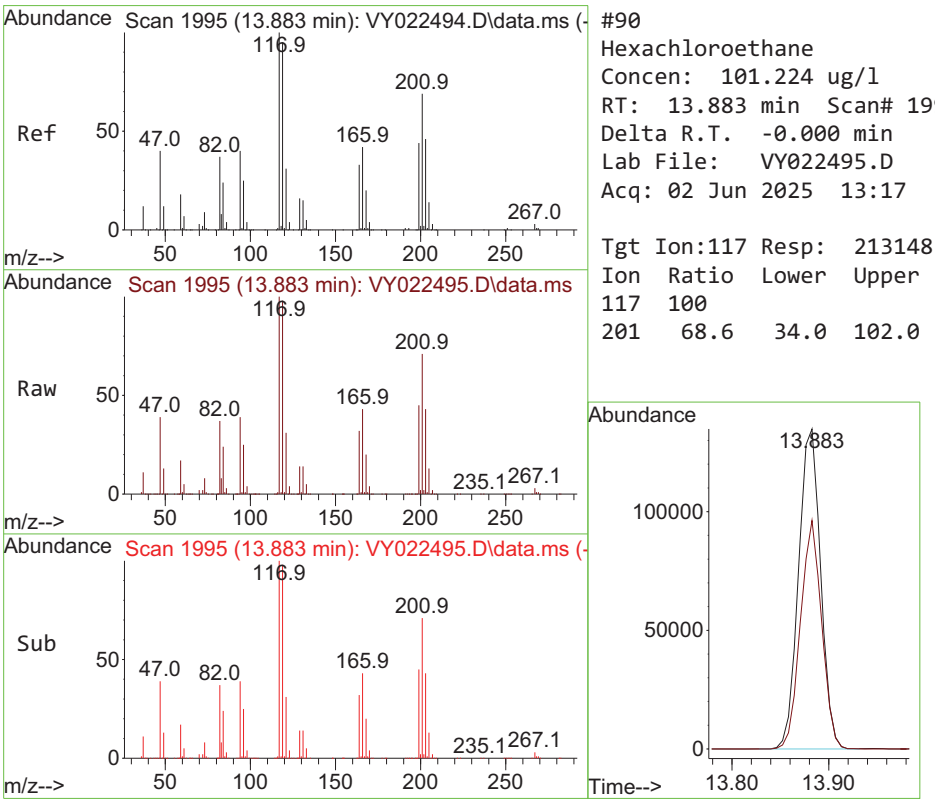
Tgt Ion: 91 Resp: 106259

Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.8
134	24.4	12.0	36.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

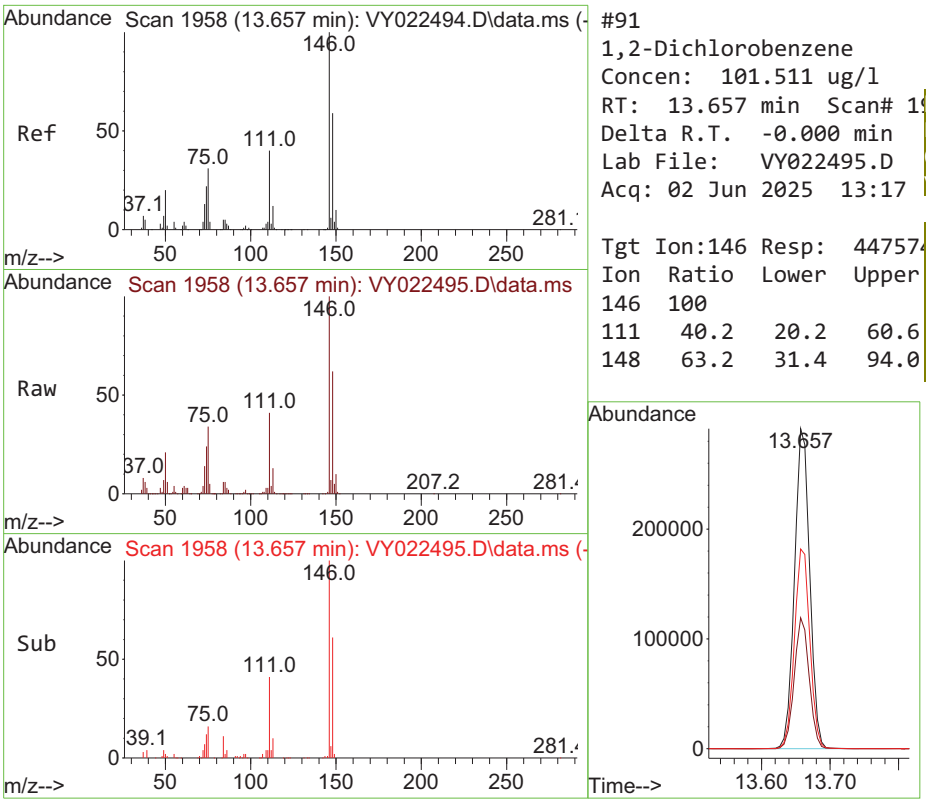
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90
Hexachloroethane
Concen: 101.224 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0



#91
1,2-Dichlorobenzene
Concen: 101.511 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

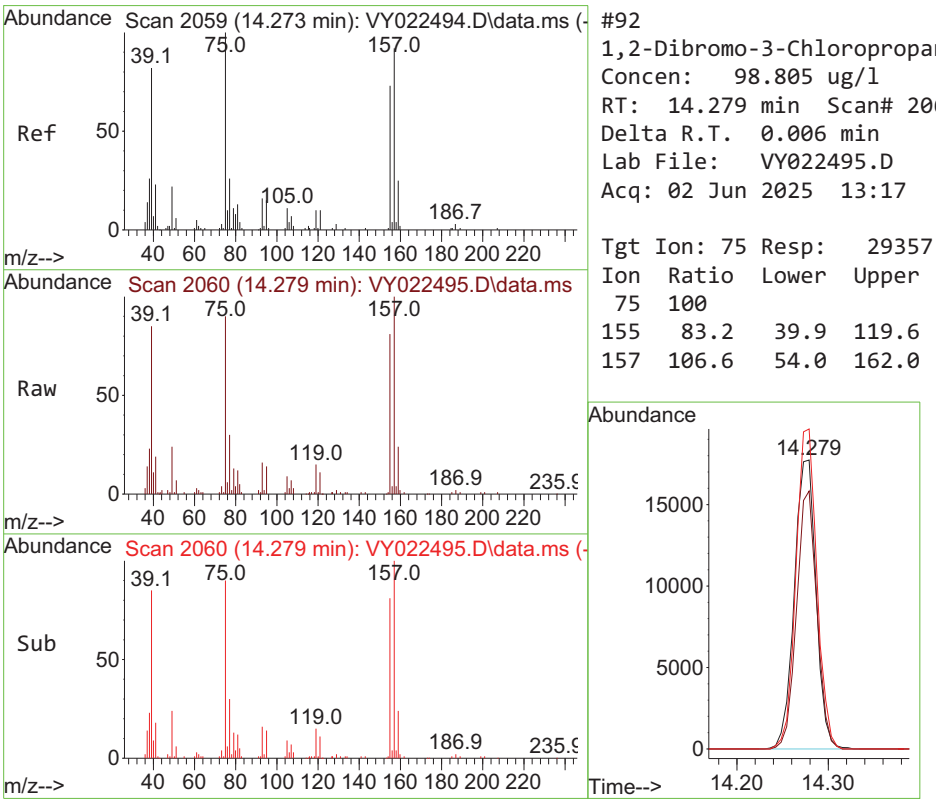
Tgt Ion:146 Resp: 44757

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.2	31.4	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

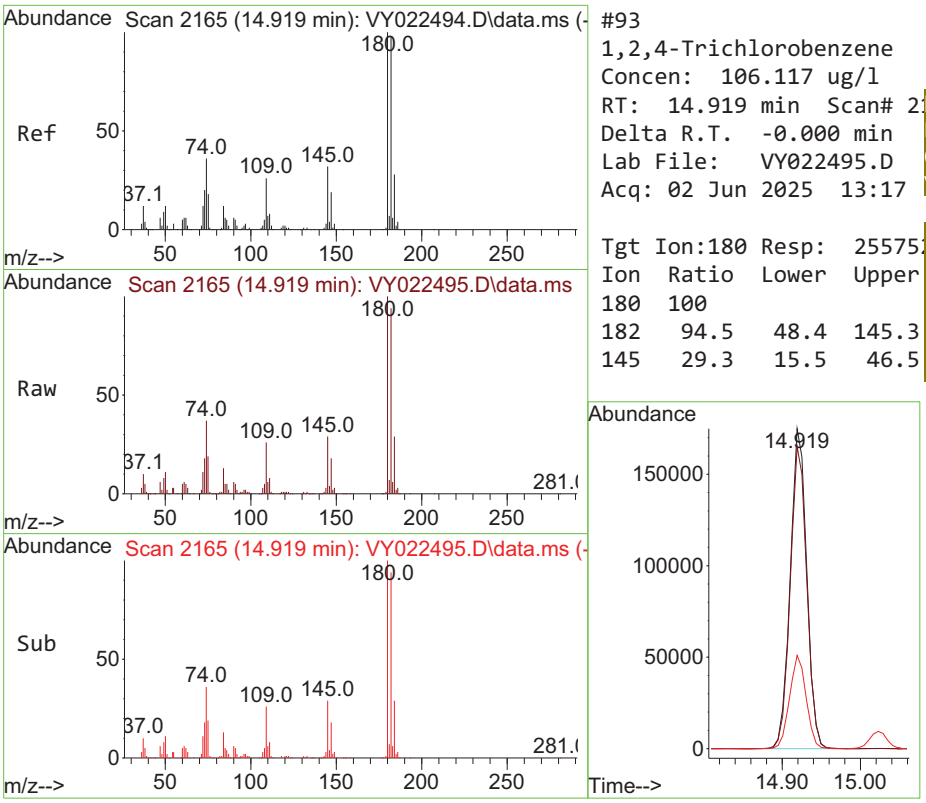
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 98.805 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 29357

Ion	Ratio	Lower	Upper
75	100		
155	83.2	39.9	119.6
157	106.6	54.0	162.0



#93
1,2,4-Trichlorobenzene
Concen: 106.117 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

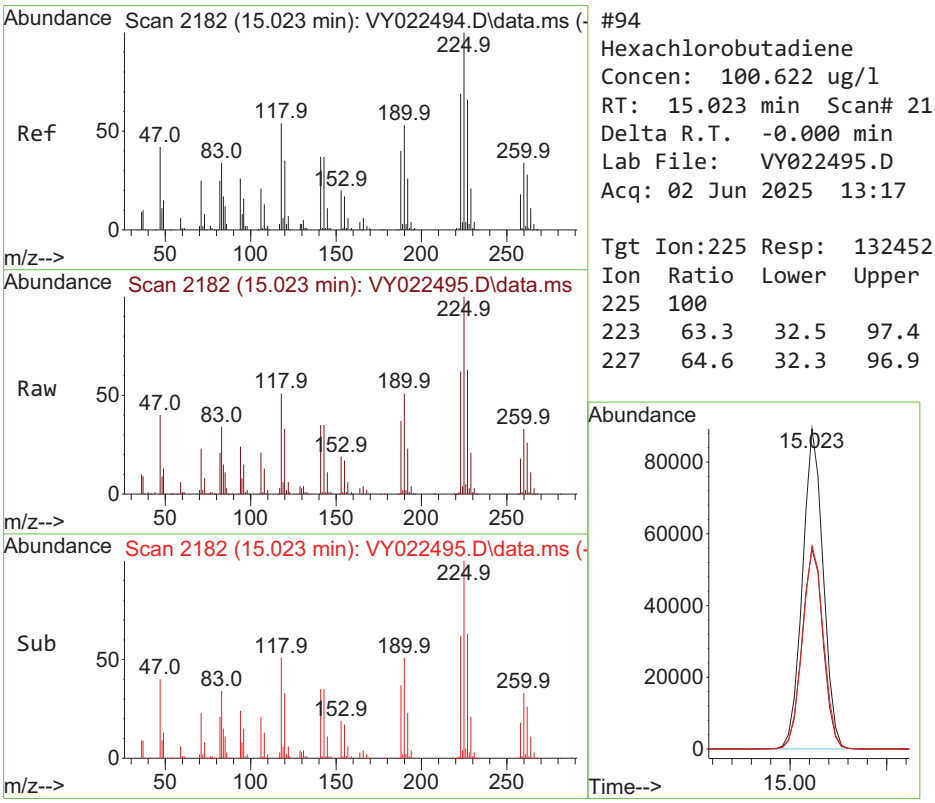
Tgt Ion:180 Resp: 25575

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.3
145	29.3	15.5	46.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

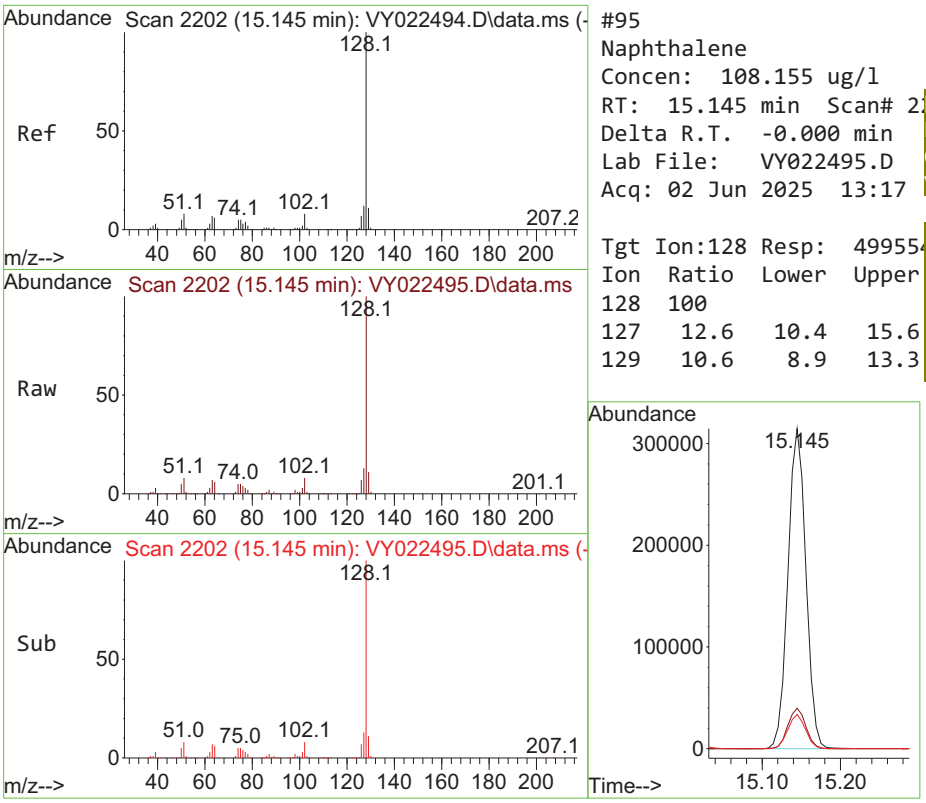
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#94
Hexachlorobutadiene
Concen: 100.622 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:225 Resp: 132452

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	64.6	32.3	96.9



#95
Naphthalene
Concen: 108.155 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

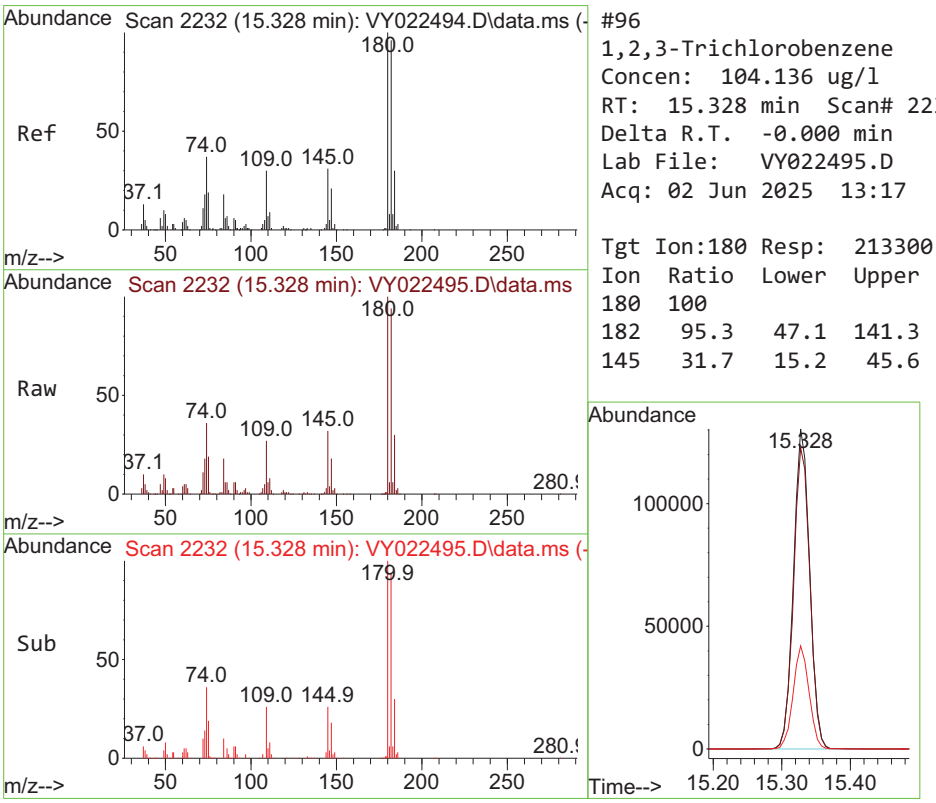
Tgt Ion:128 Resp: 49955

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.9	13.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.136 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 213300

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.7	15.2	45.6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523 ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491 ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250 ug/l		98
44) Trichloroethene	8.866	130	394832	156.583 ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539 ug/l		99
46) Dibromomethane	9.231	93	218014	158.140 ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221 ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897 ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301 ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744 ug/l		98
52) Toluene	10.170	92	1093200	168.447 ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259 ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086 ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865 ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345 ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699 ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227 ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625 ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453 ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190 ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285 ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103 ug/l		100
69) o-Xylene	11.957	106	777688	173.188 ug/l		99
70) Styrene	11.969	104	1334986	179.564 ug/l		99
71) Bromoform	12.133	173	201469	166.138 ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060 ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	231729m	116.768 ug/l		
77) Bromobenzene	12.530	156	417122	162.489 ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876 ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989 ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467 ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323 ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415 ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470 ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939 ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709 ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773 ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389 ug/l		98
95) Naphthalene	15.145	128	753279	162.970 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

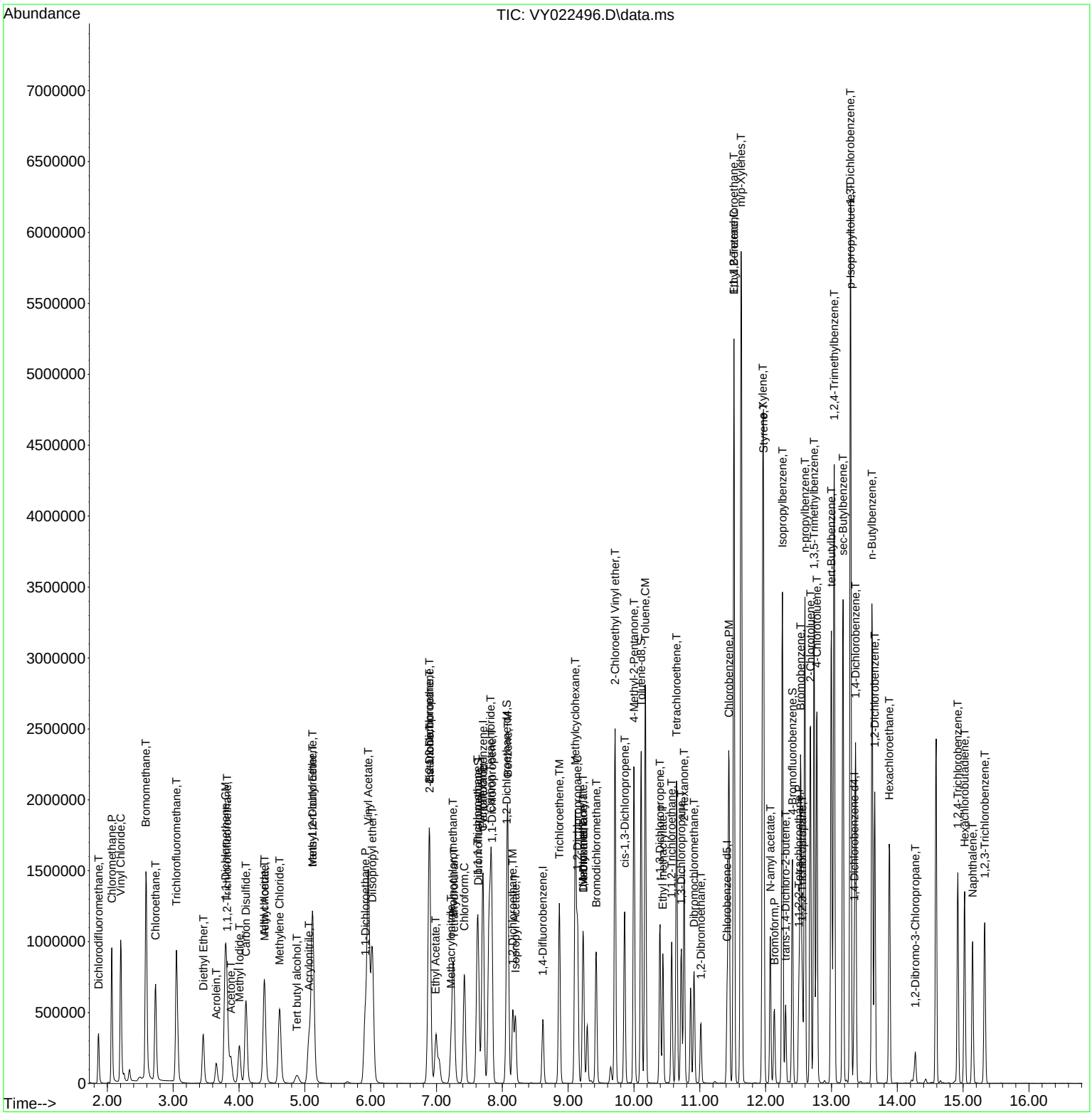
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

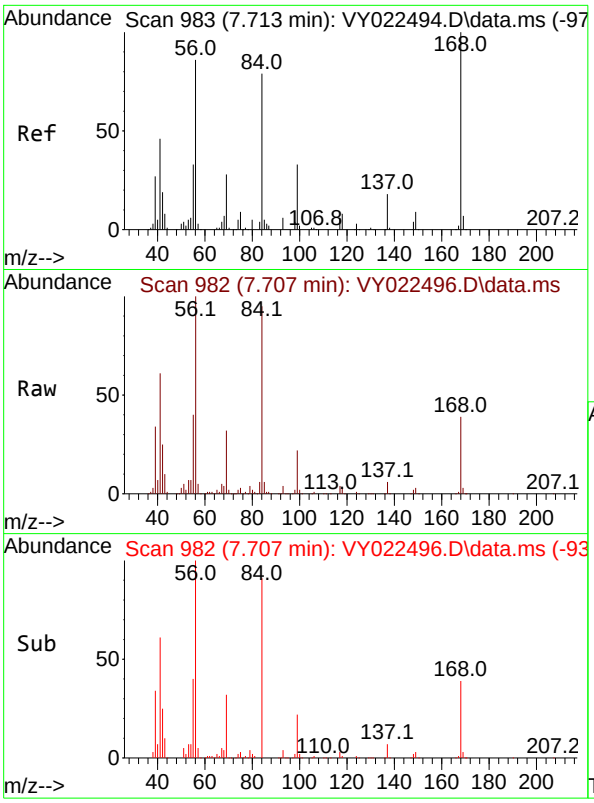
Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

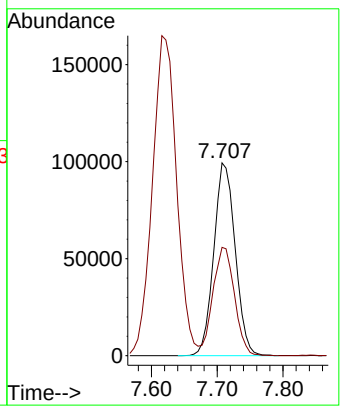




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:168 Resp: 22529

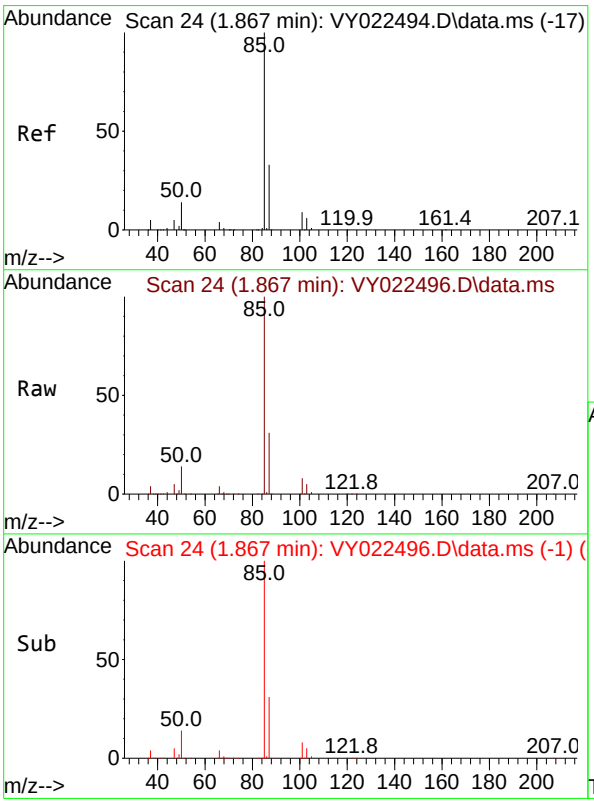
Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

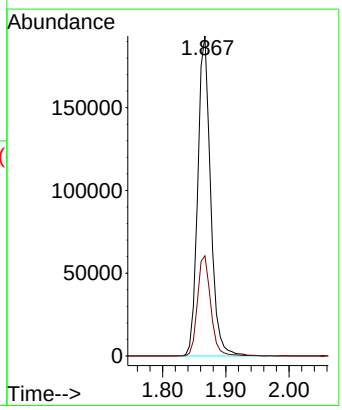
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

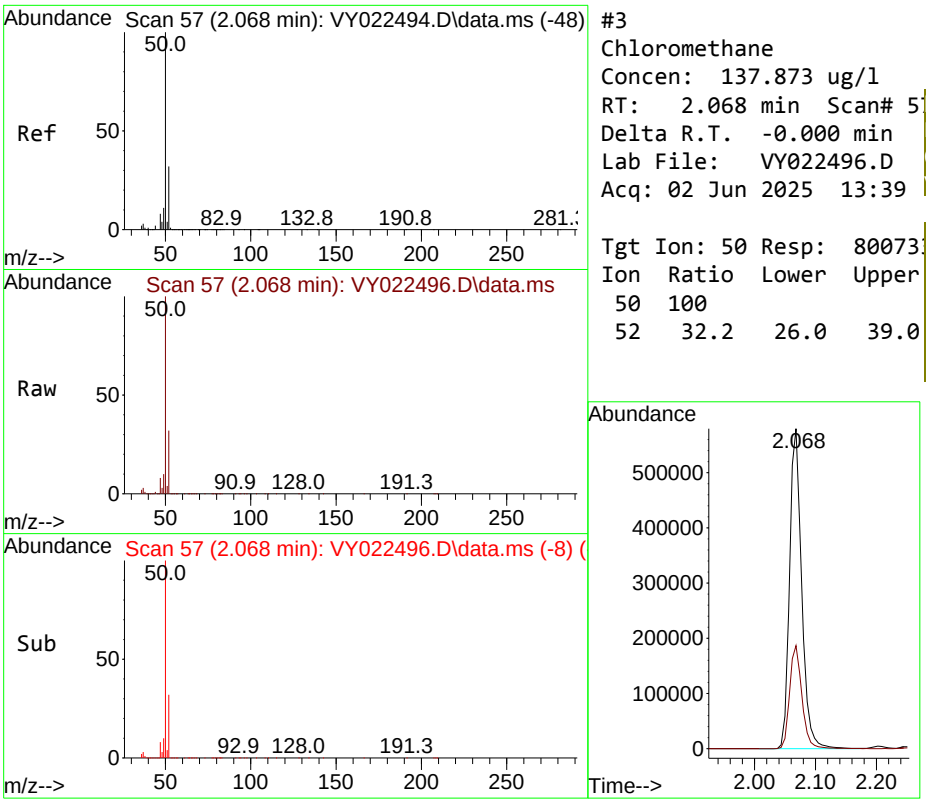


#2
Dichlorodifluoromethane
Concen: 139.086 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 85 Resp: 273817

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.7	50.0





#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

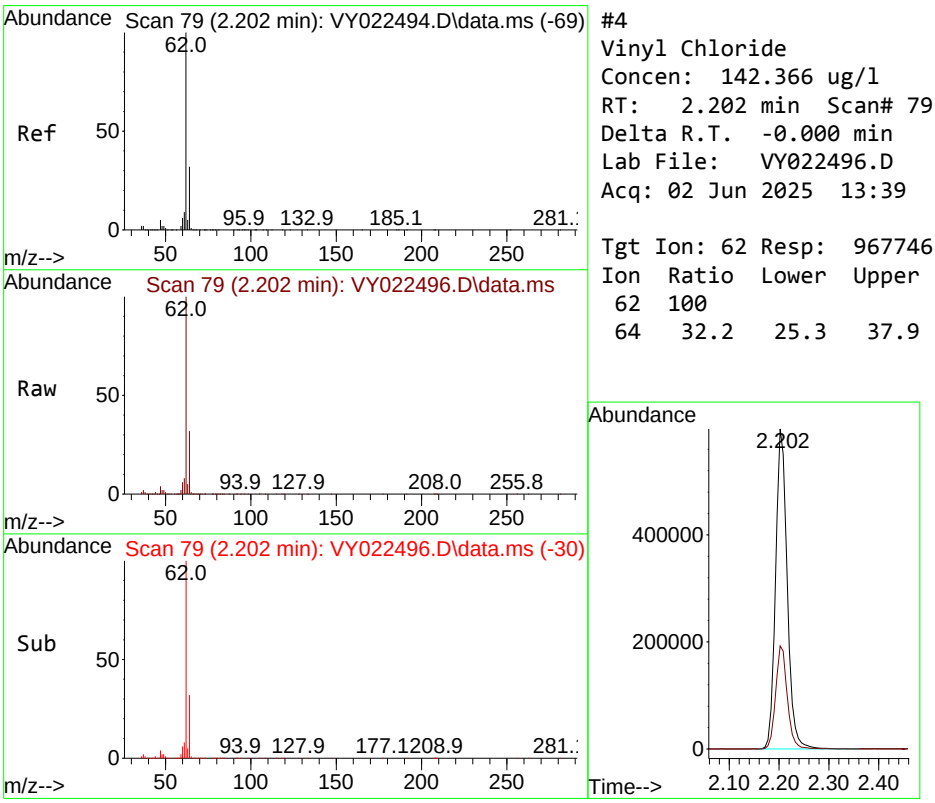
Tgt Ion: 50 Resp: 80073

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

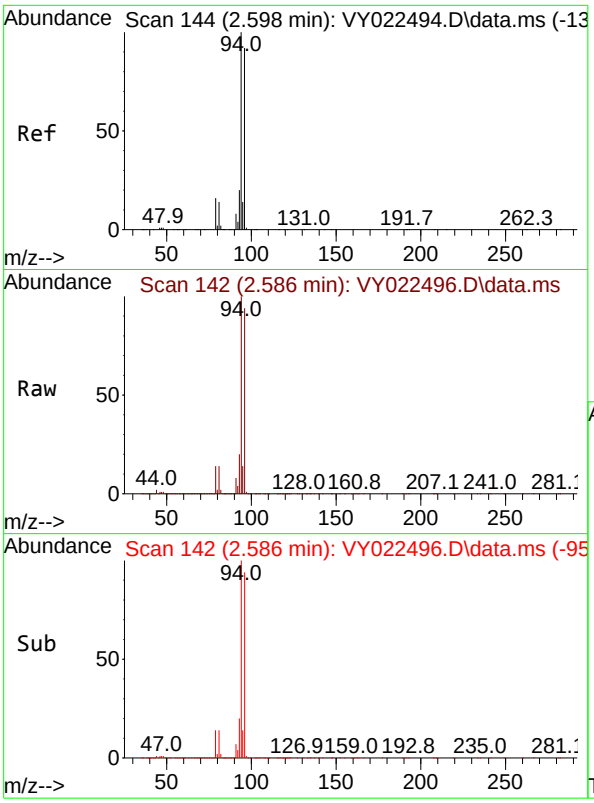
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 142.366 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 967746

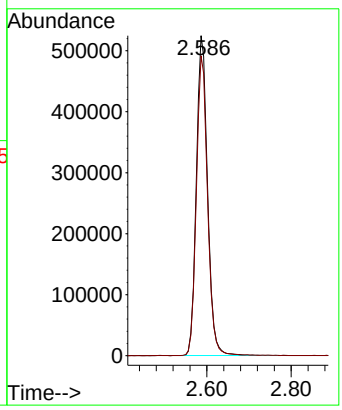
Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9



#5
Bromomethane
Concen: 150.991 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 94 Resp: 97083

Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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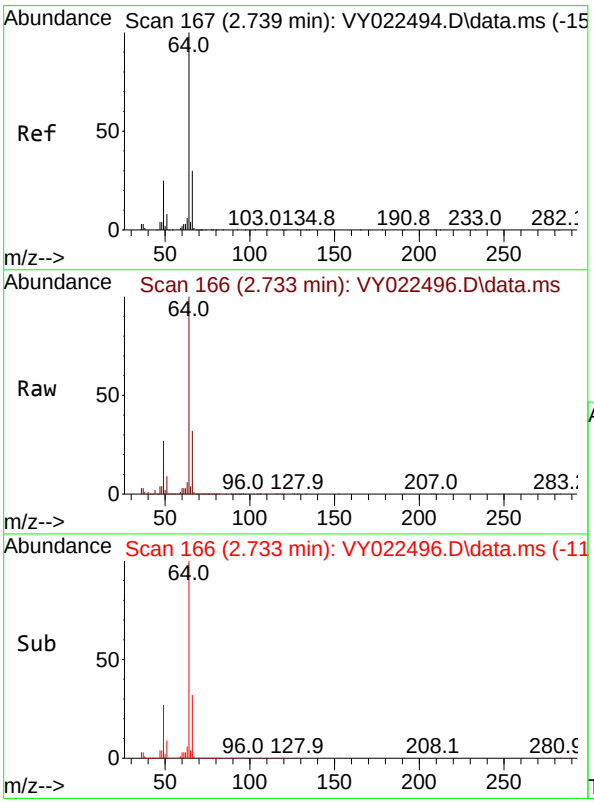
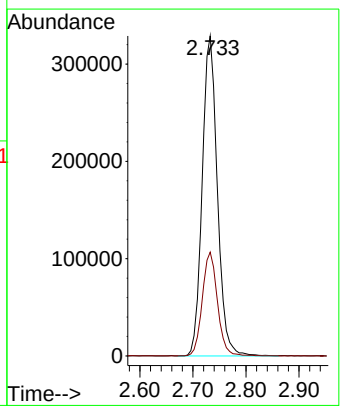
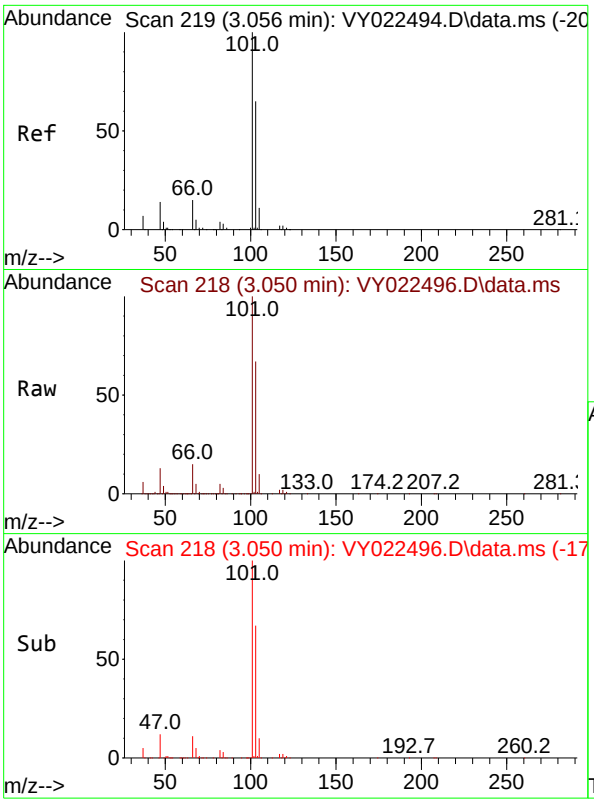


#6
Chloroethane
Concen: 140.013 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 64 Resp: 651603

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.8	35.6

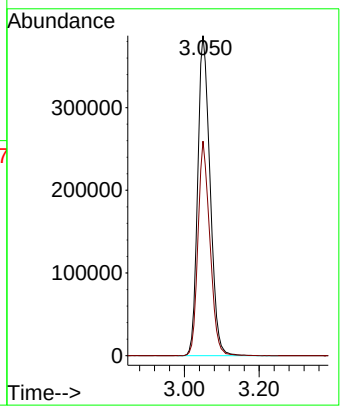




#7
Trichlorofluoromethane
Concen: 153.303 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:101 Resp: 88539

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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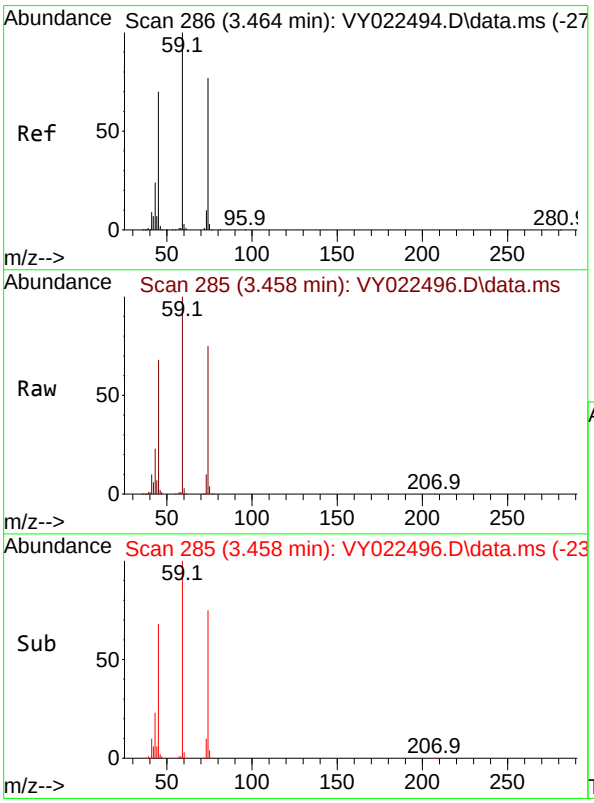
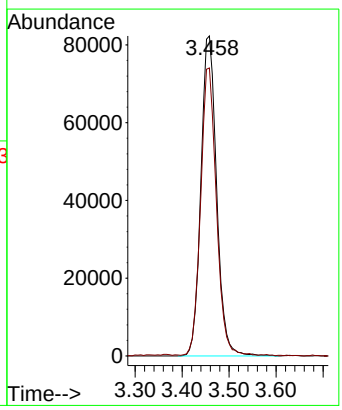
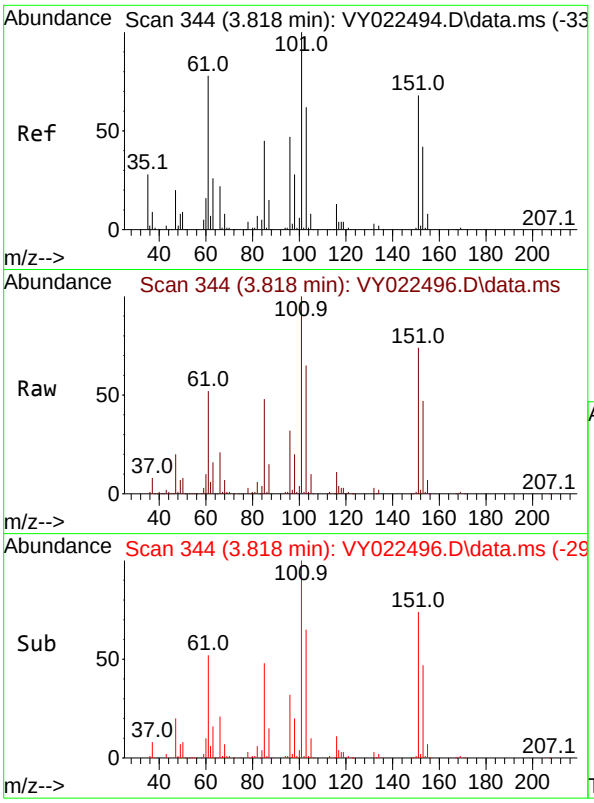


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 74 Resp: 191391

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:101 Resp: 360800

Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.3	58.9
151	72.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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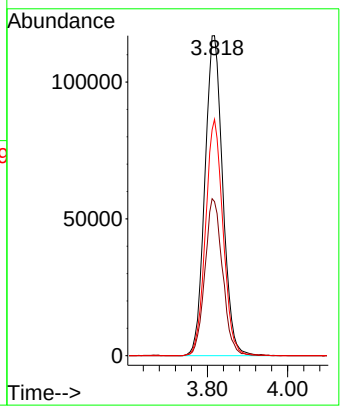
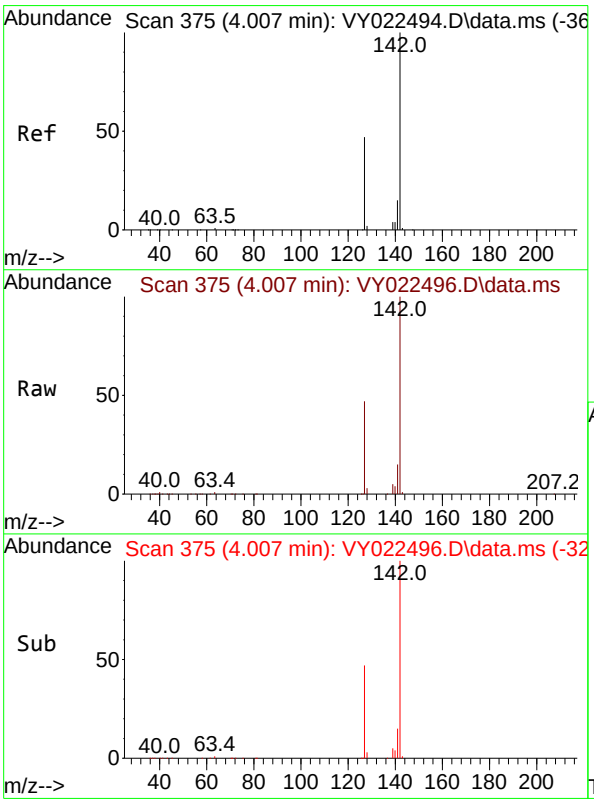
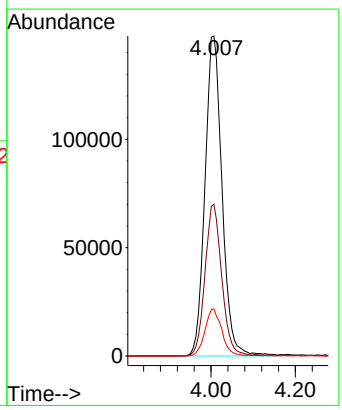


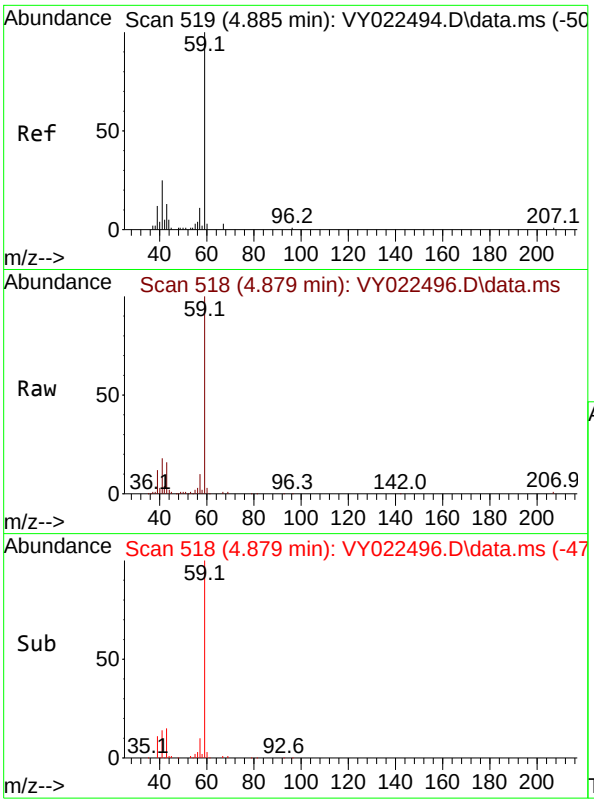


#10
Methyl Iodide
Concen: 160.129 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:142 Resp: 416014

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.6	11.4	17.2

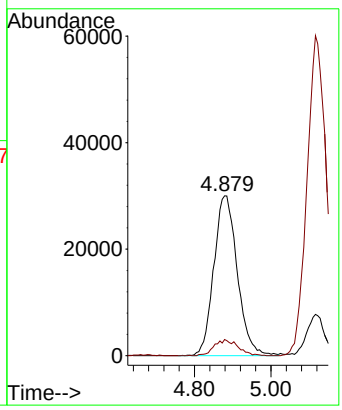




#11
Tert butyl alcohol
Concen: 731.071 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 59 Resp: 12801

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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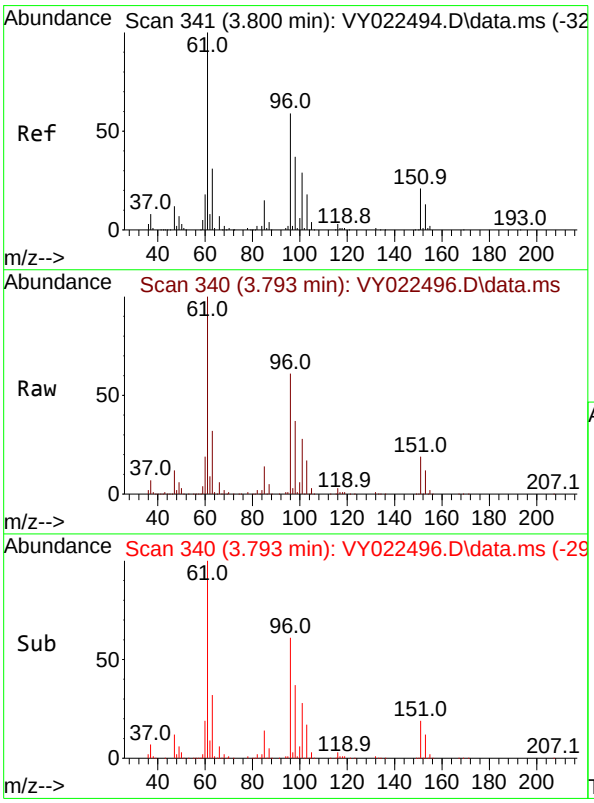
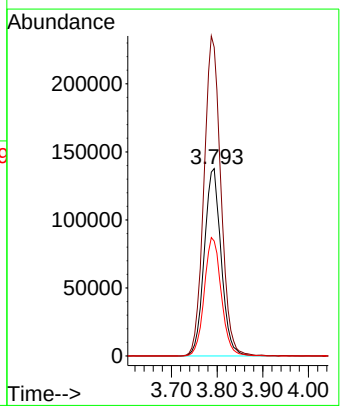
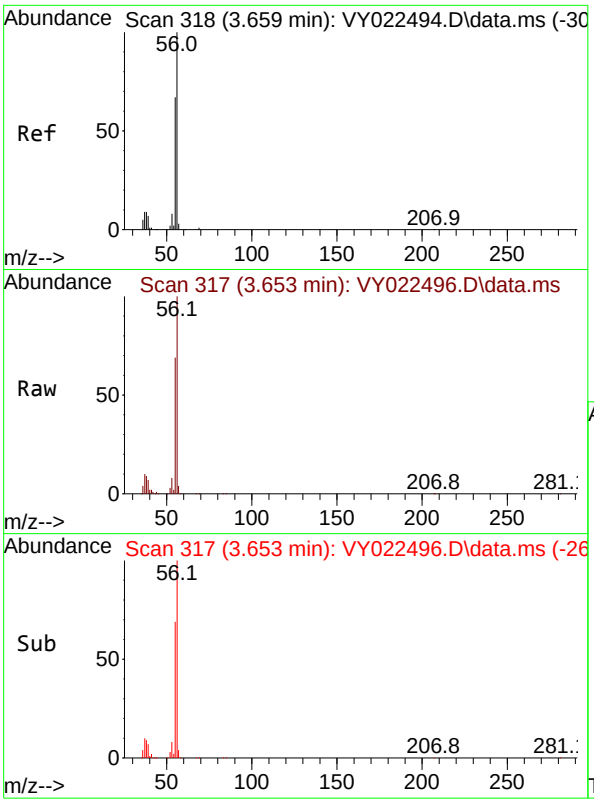


#12
1,1-Dichloroethene
Concen: 152.730 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 353193

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.6	201.8
98	61.3	50.2	75.4

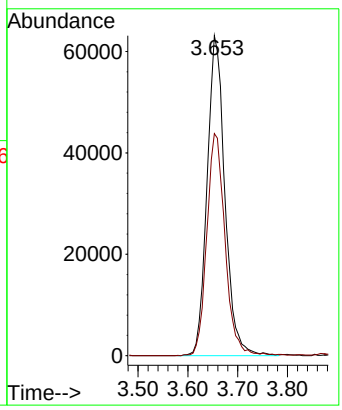




#13
Acrolein
Concen: 731.778 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 56 Resp: 15641

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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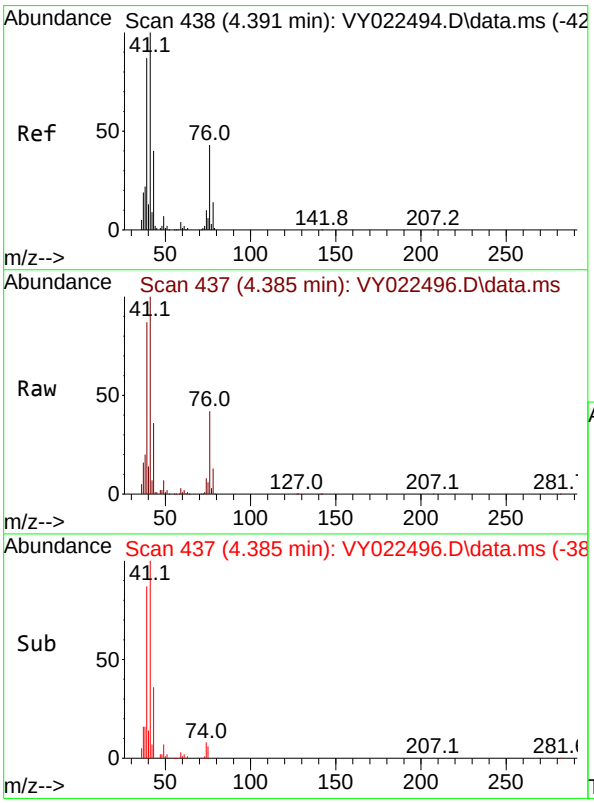
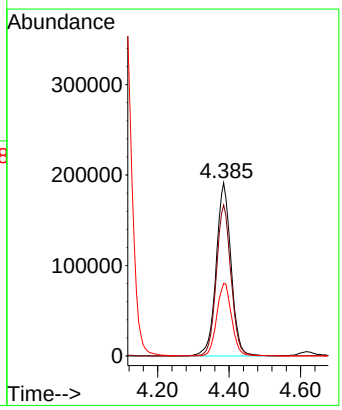
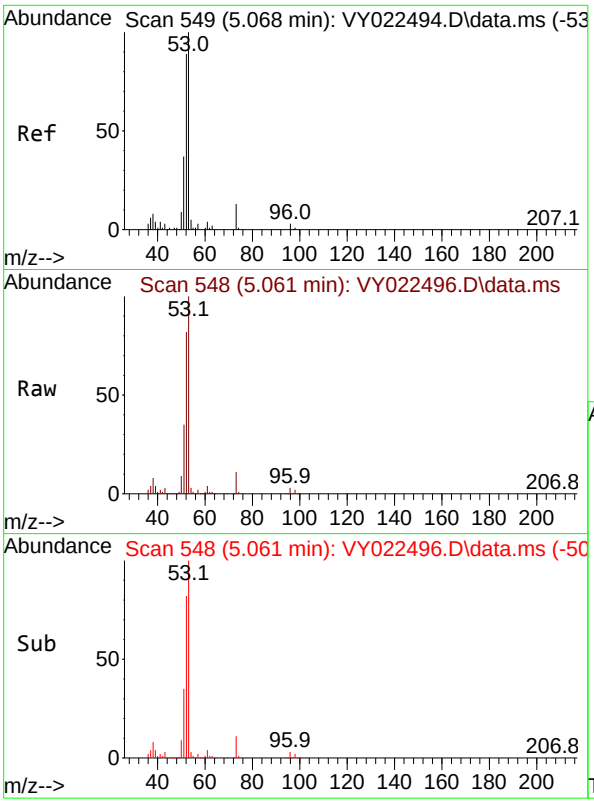


#14
Allyl chloride
Concen: 153.152 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 551896

Ion	Ratio	Lower	Upper
41	100		
39	86.2	69.1	103.7
76	41.5	33.5	50.3





#15
Acrylonitrile
Concen: 749.634 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 53 Resp: 40674

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	37.1	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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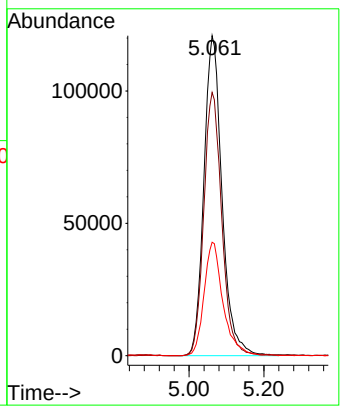
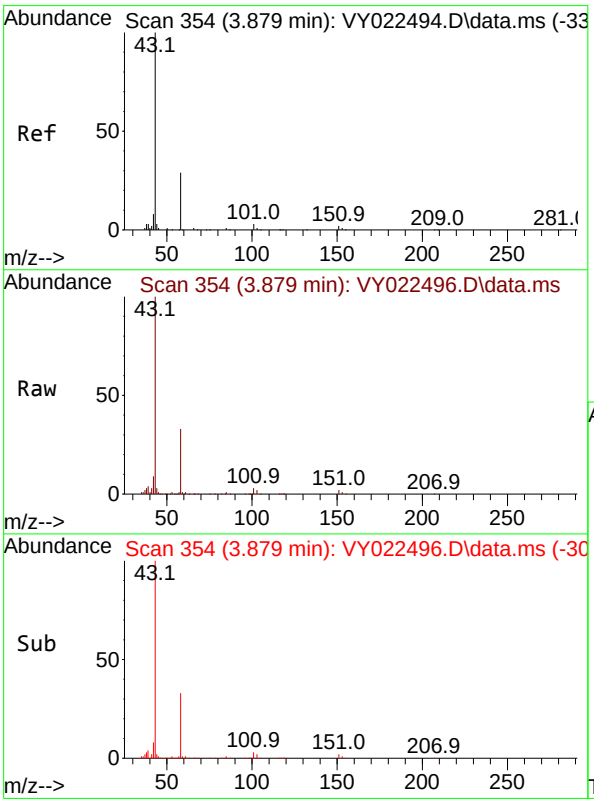
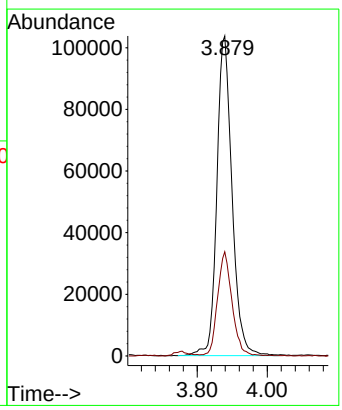


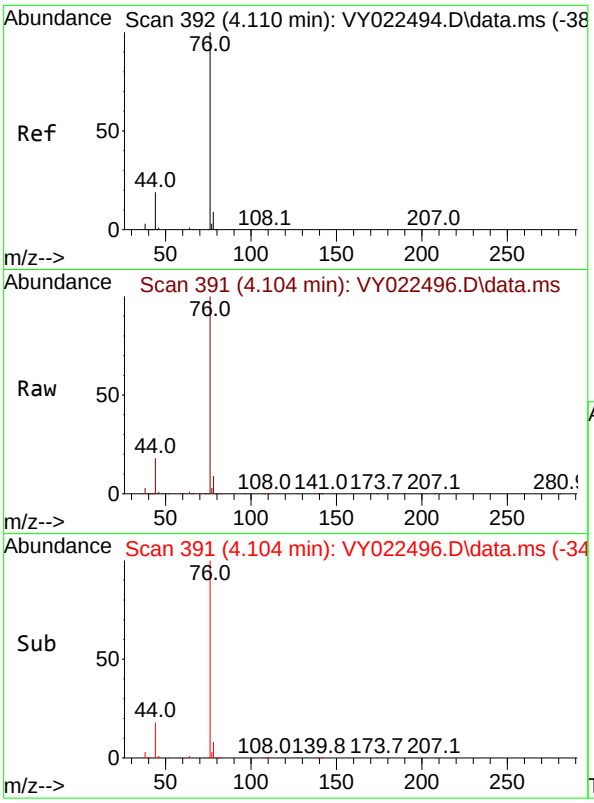


#16
Acetone
Concen: 643.577 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 311886

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0

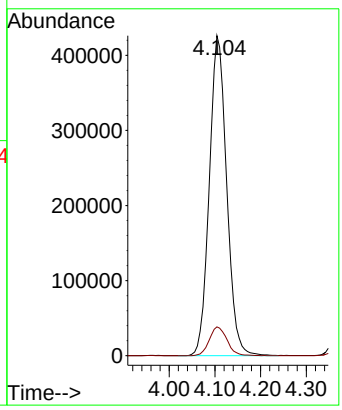




#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 76 Resp: 112607

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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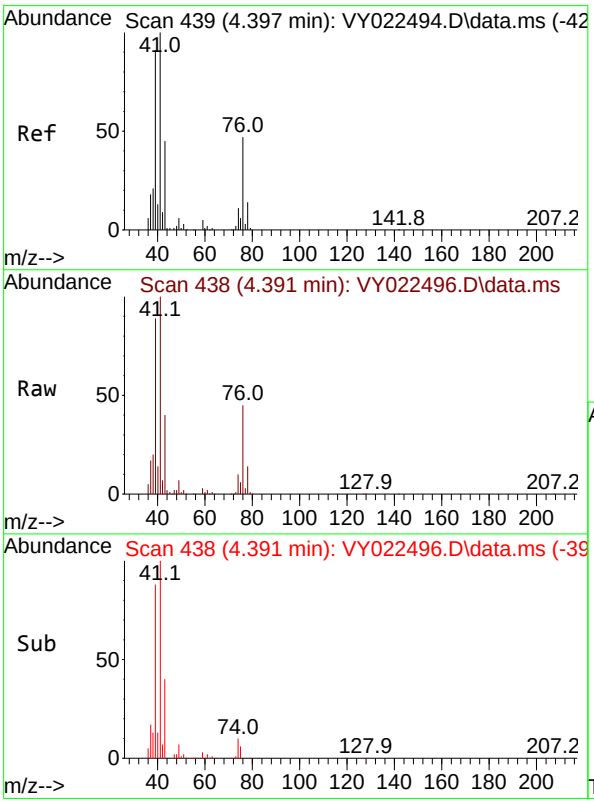
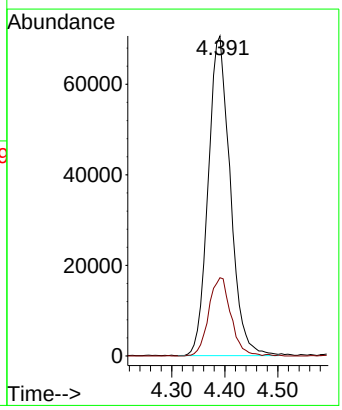
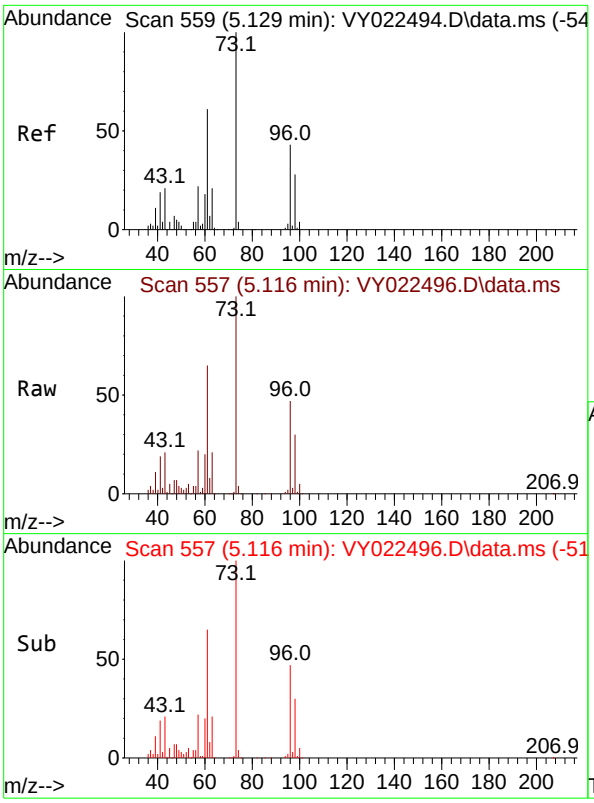


#18
Methyl Acetate
Concen: 139.589 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 203507

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

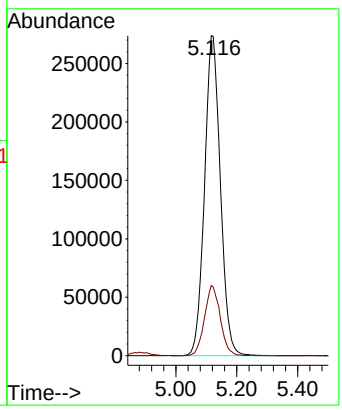




#19
Methyl tert-butyl Ether
Concen: 153.134 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 73 Resp: 98807

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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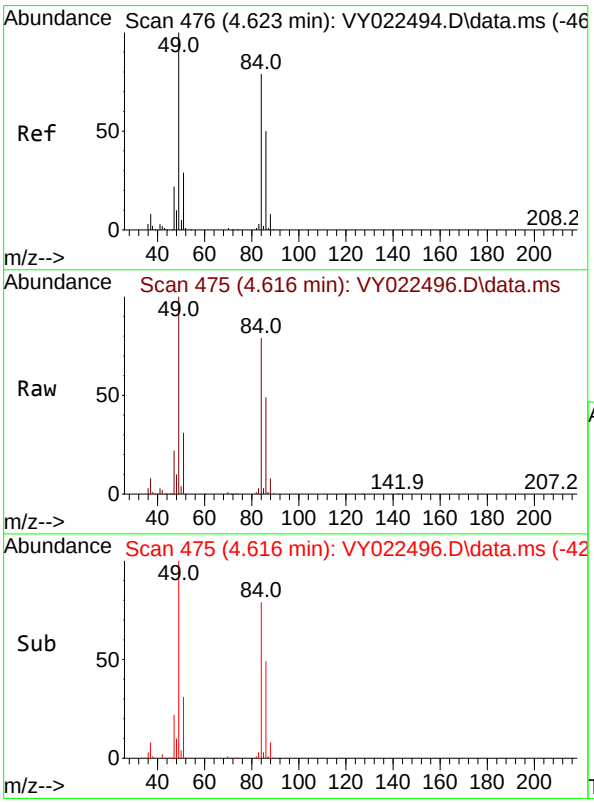
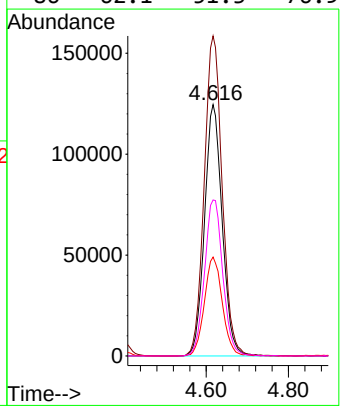
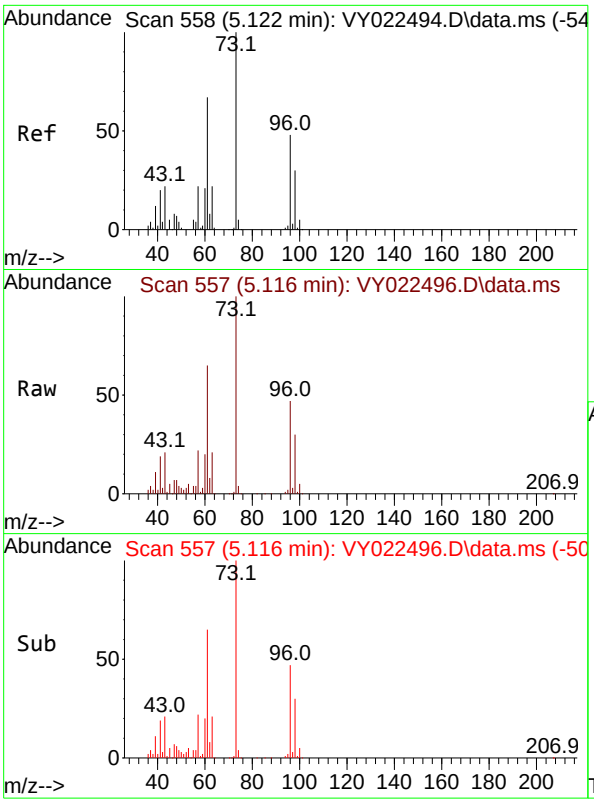


#20
Methylene Chloride
Concen: 137.416 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 84 Resp: 371818

Ion	Ratio	Lower	Upper
84	100		
49	127.3	101.9	152.9
51	39.4	29.8	44.8
86	62.1	51.3	76.9

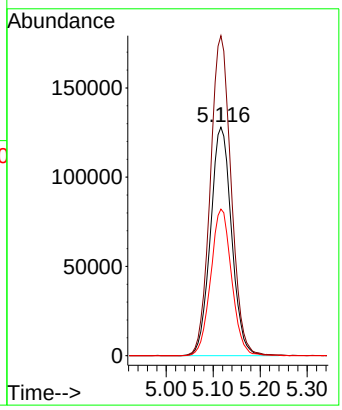




#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 39993

Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	169.0
98	64.1	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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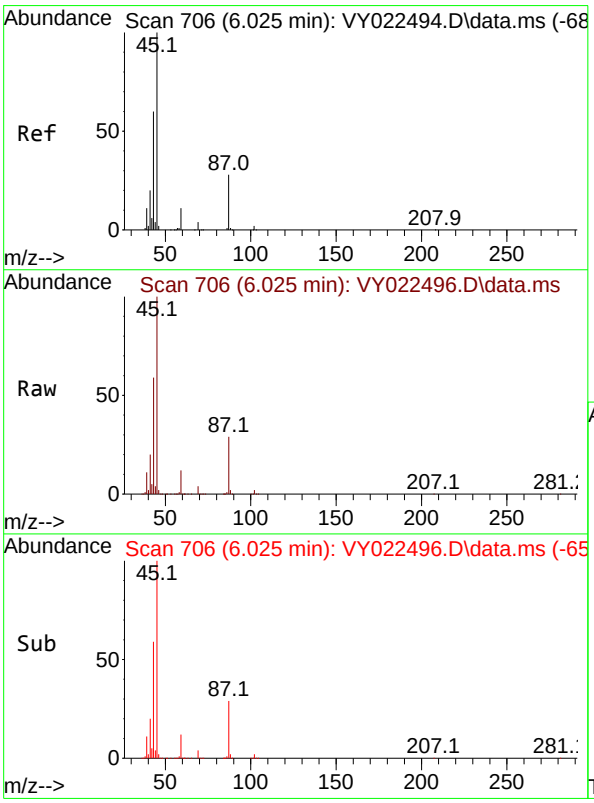
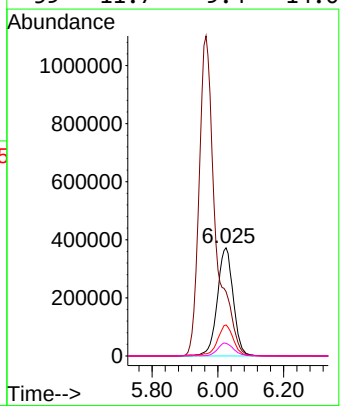
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

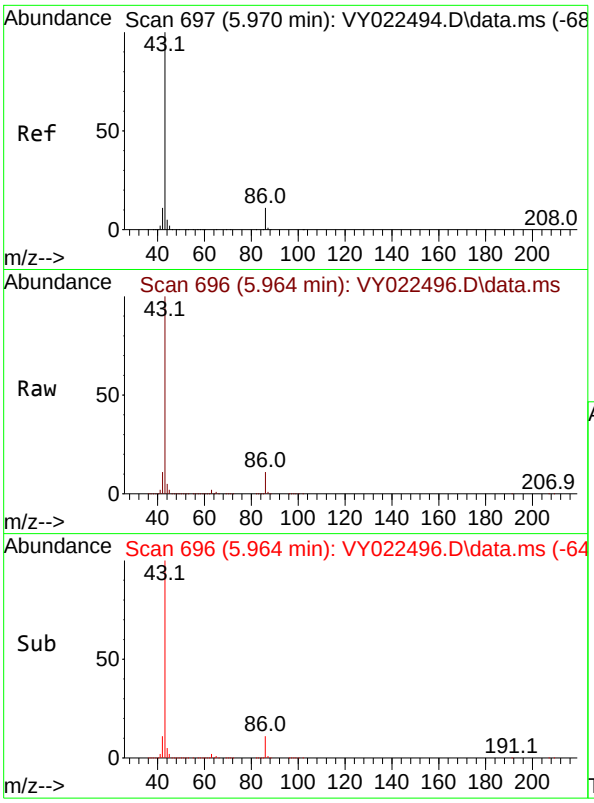


#22
Diisopropyl ether
Concen: 155.346 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 45 Resp: 1244804

Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.3	72.5
87	28.6	23.0	34.6
59	11.7	9.4	14.0





#23
Vinyl Acetate
Concen: 800.629 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 380602

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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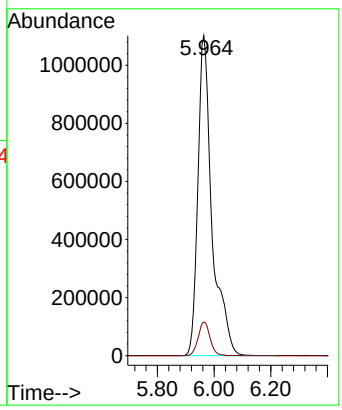
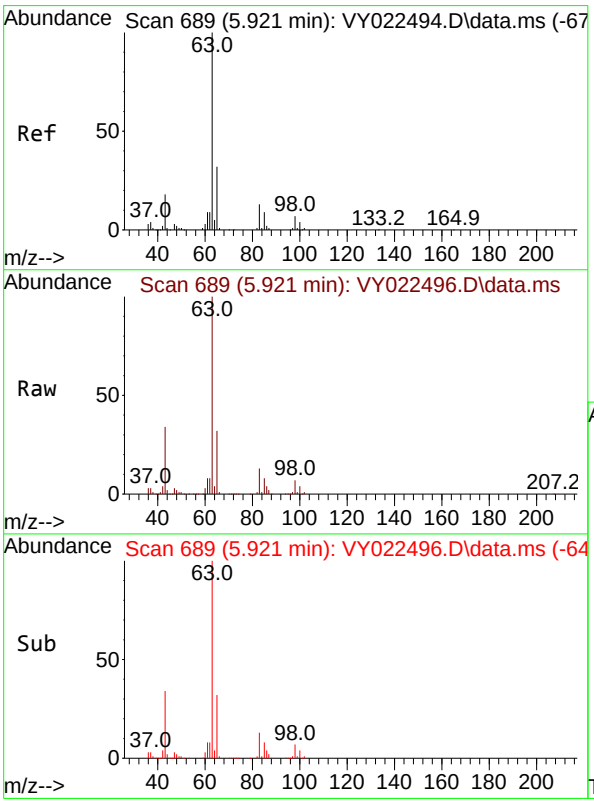
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

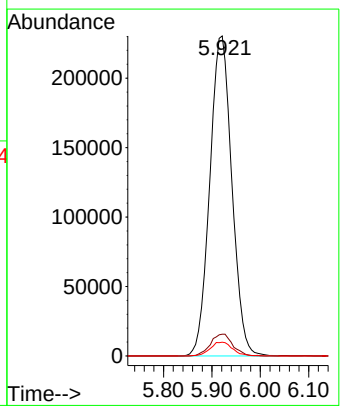


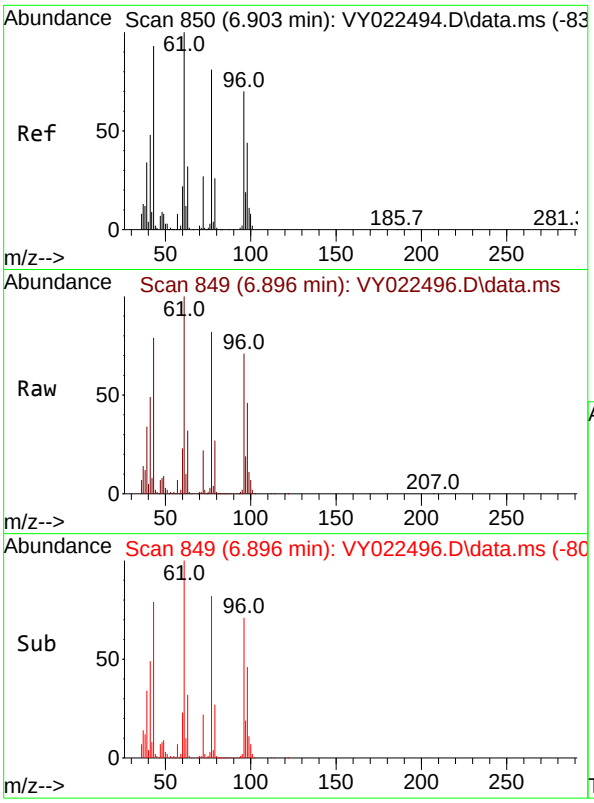


#24
1,1-Dichloroethane
Concen: 154.173 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 730276

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.3





#25
2-Butanone
Concen: 742.386 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 53069

Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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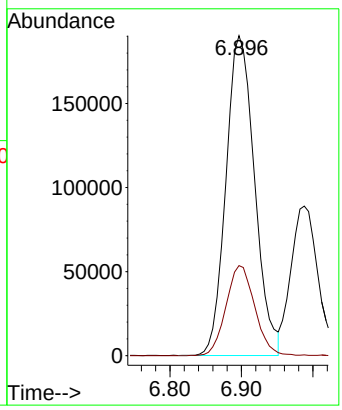
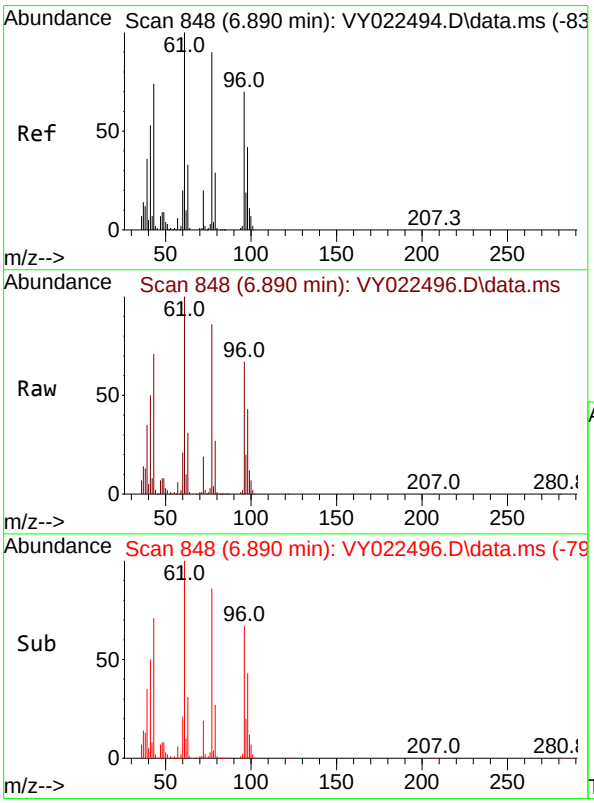
Supervised By :Mahesh Dadoda 06/03/2025

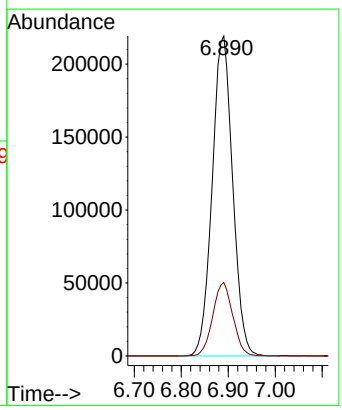


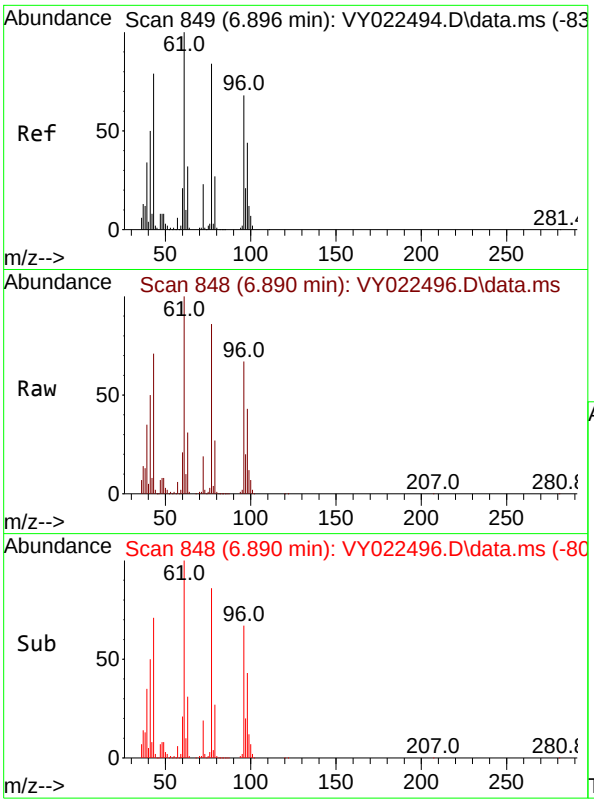


#26
2,2-Dichloropropane
Concen: 157.698 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 77 Resp: 664024

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 156.334 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 46680

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.0
98	64.7	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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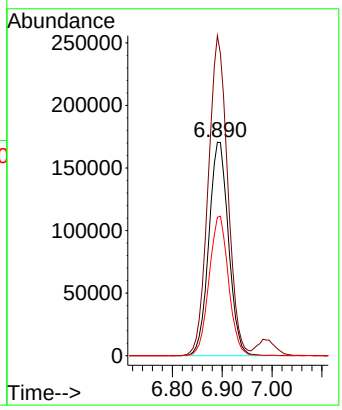
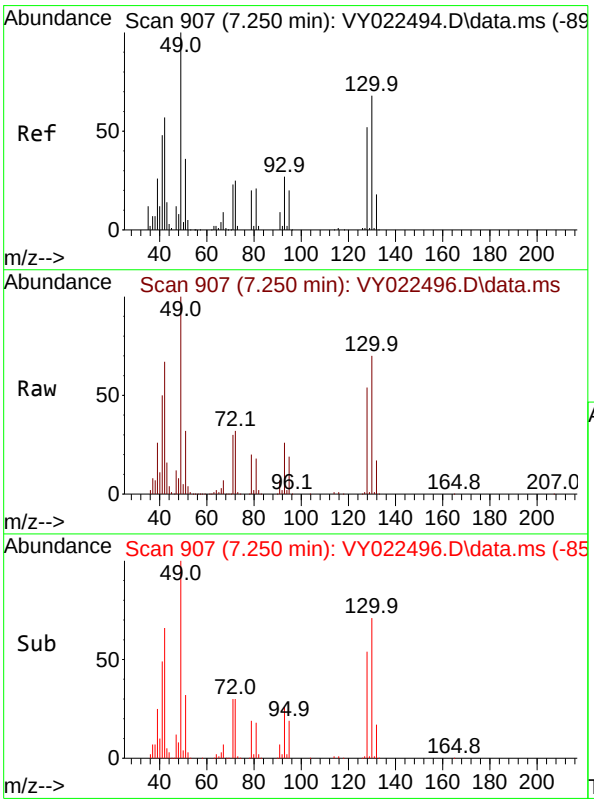
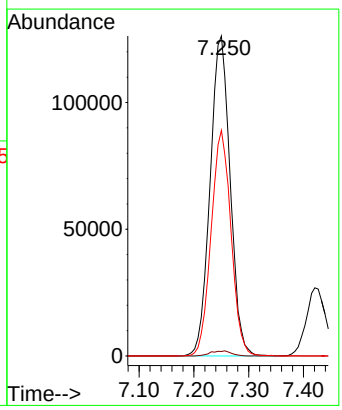


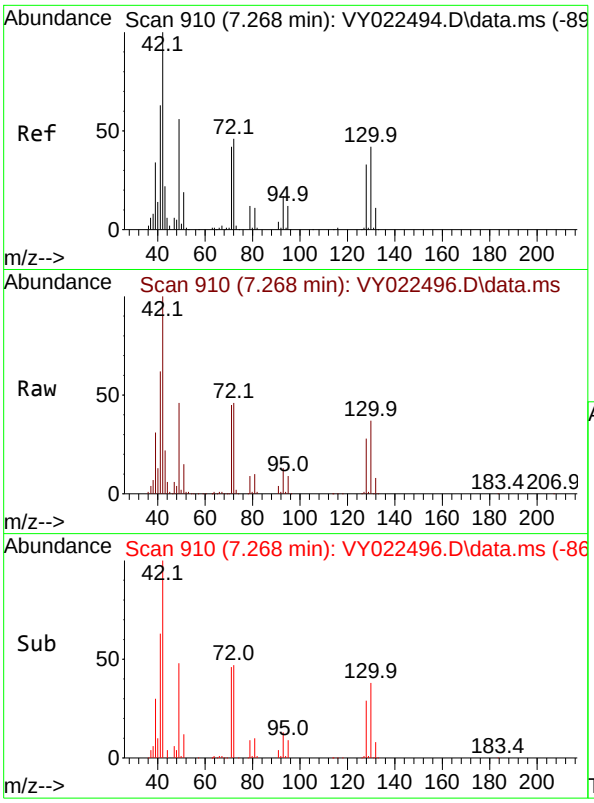


#28
Bromochloromethane
Concen: 156.605 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 49 Resp: 320509

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.8	55.7	83.5

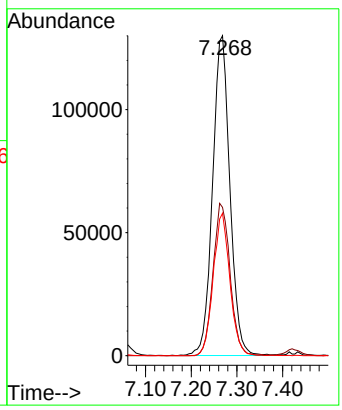




#29
Tetrahydrofuran
Concen: 742.566 ug/l
RT: 7.268 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 42 Resp: 34243

Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	42.9	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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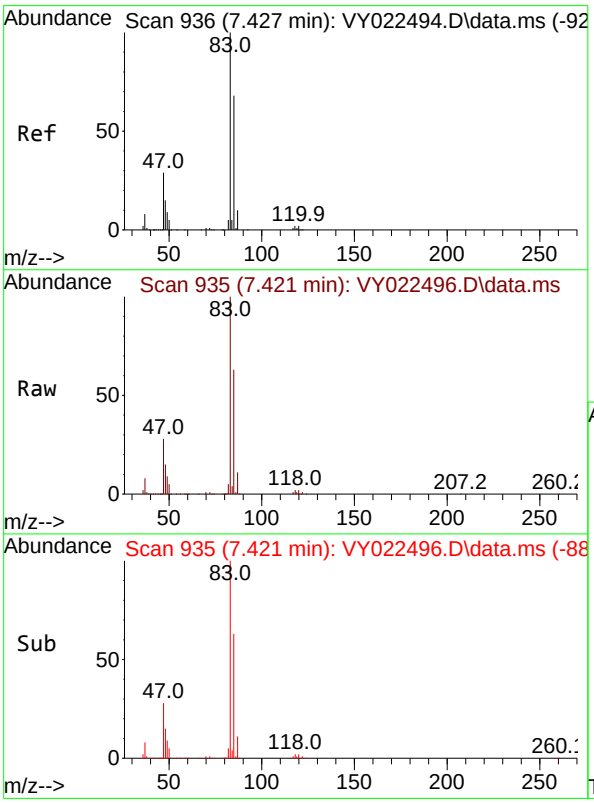
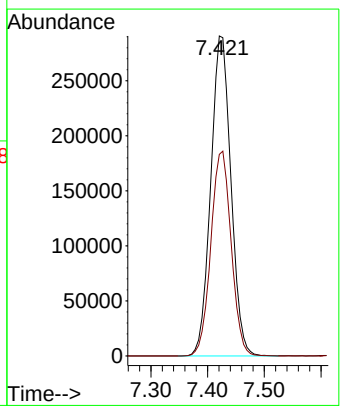
Supervised By :Mahesh Dadoda 06/03/2025

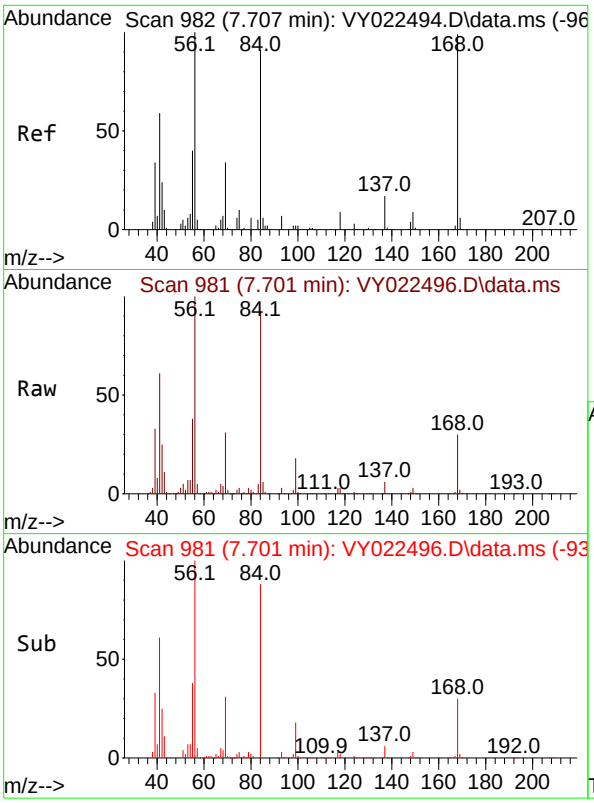


#30
Chloroform
Concen: 153.285 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 717477

Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4





#31
Cyclohexane
Concen: 140.095 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 56 Resp: 66783

Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.0	40.6
84	89.9	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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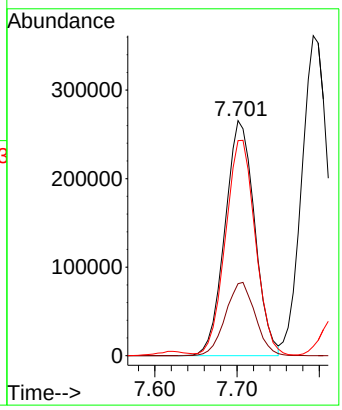
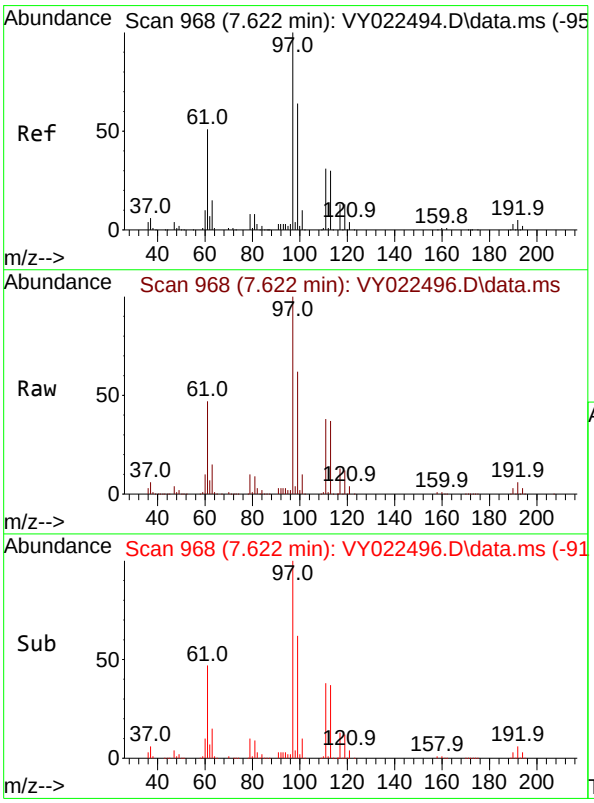
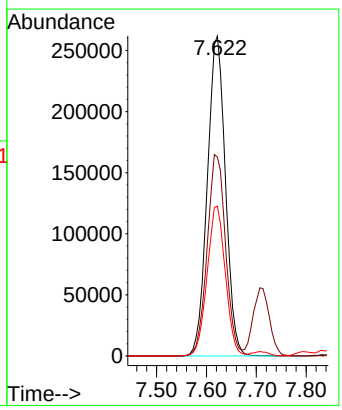


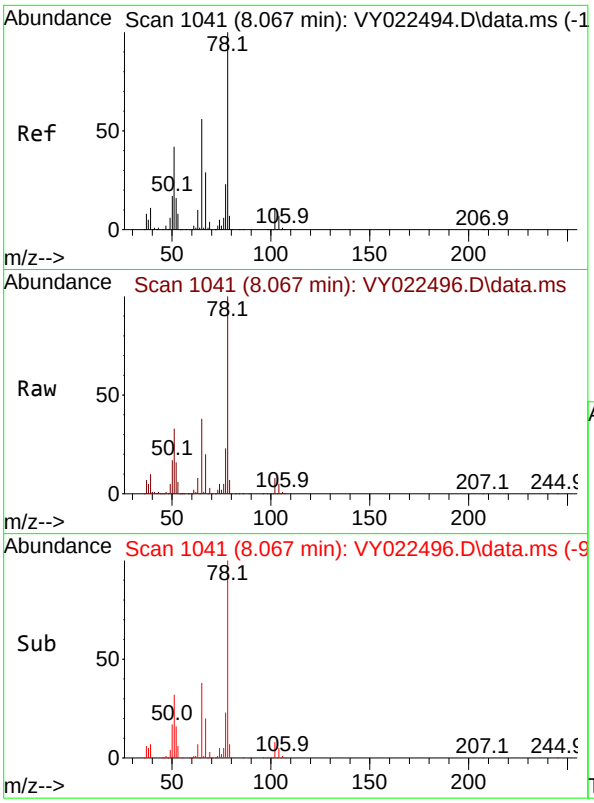


#32
1,1,1-Trichloroethane
Concen: 157.892 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 660456

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	47.2	38.5	57.7

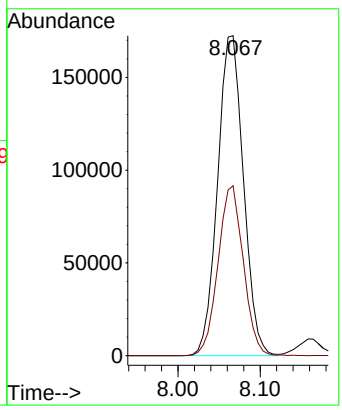




#33
1,2-Dichloroethane-d4
Concen: 154.078 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 65 Resp: 37770

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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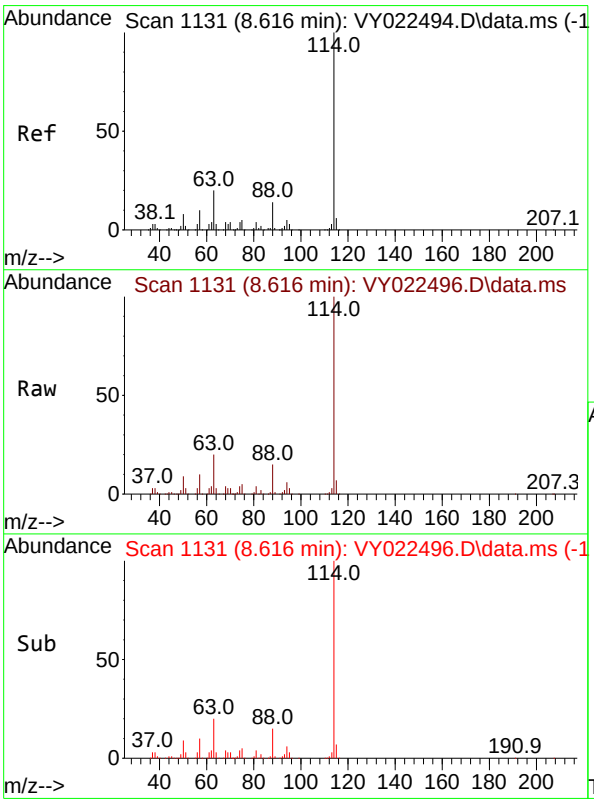
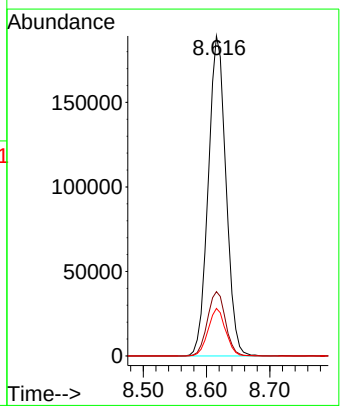
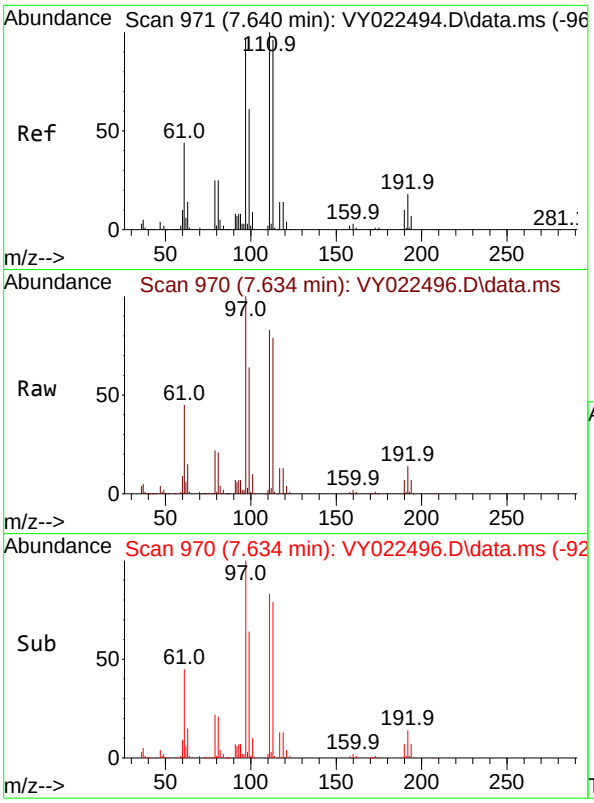


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:114 Resp: 367991

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.8	0.0	27.8





#35
Dibromofluoromethane
Concen: 160.661 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:113 Resp: 34803

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	18.2	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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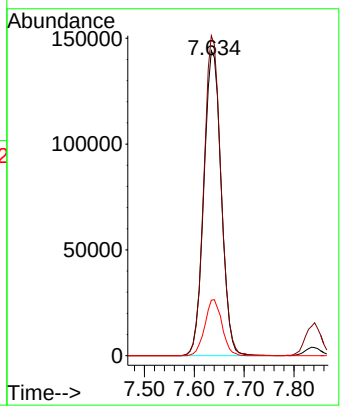
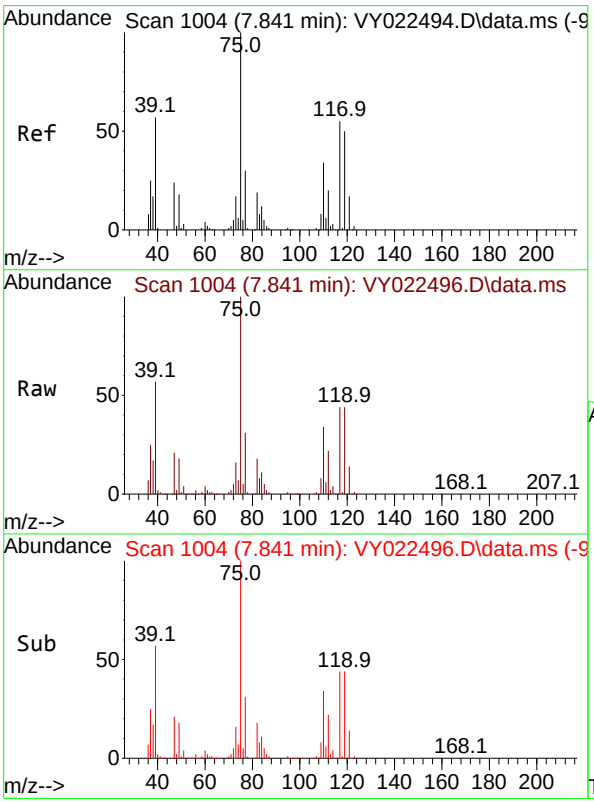
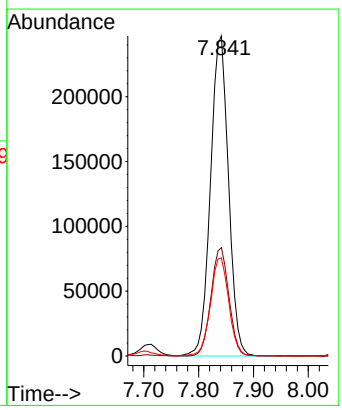


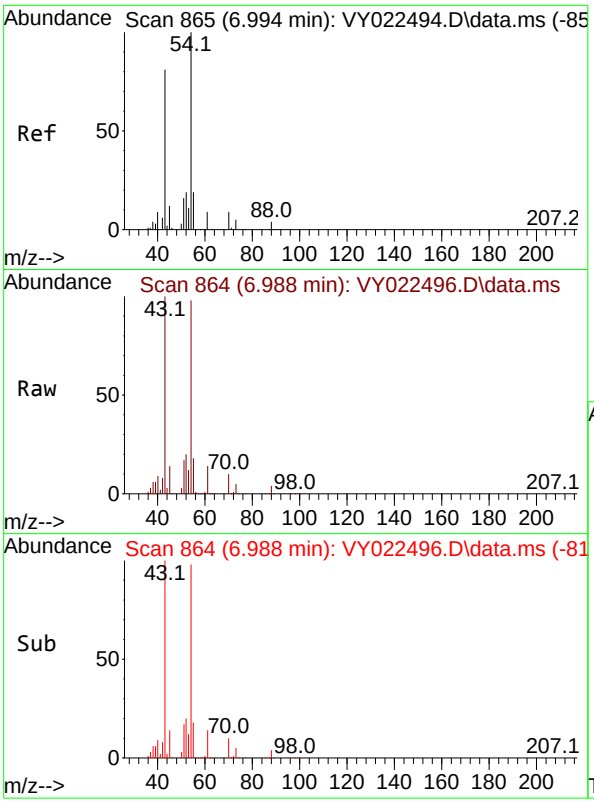


#36
1,1-Dichloropropene
Concen: 160.756 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 562935

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.1	24.8	37.2

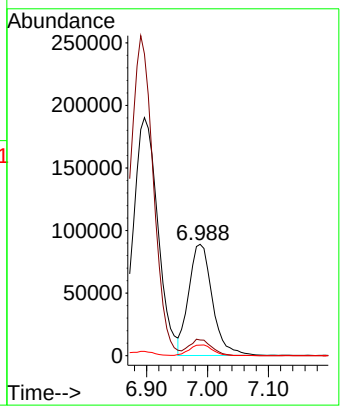




#37
Ethyl Acetate
Concen: 155.059 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 23896

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.4	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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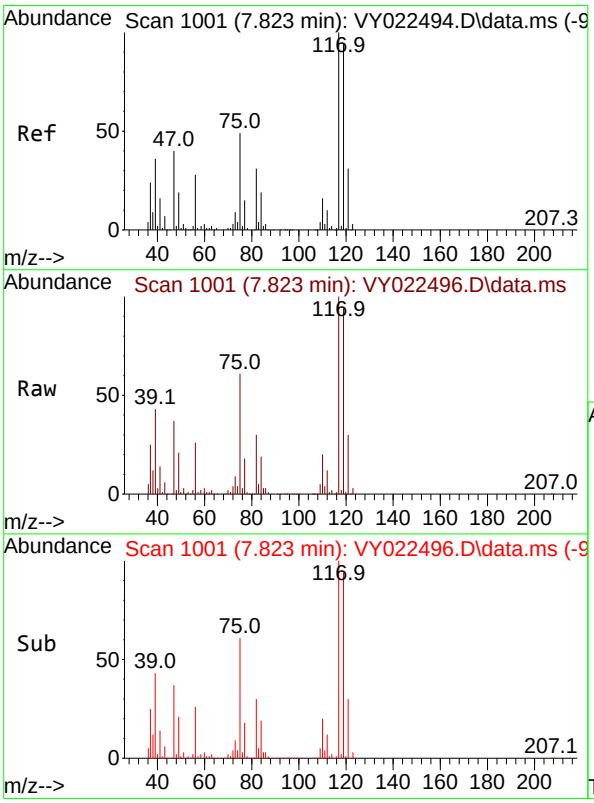
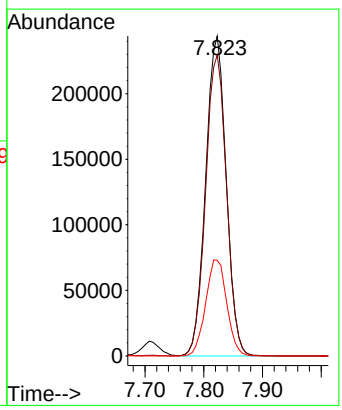
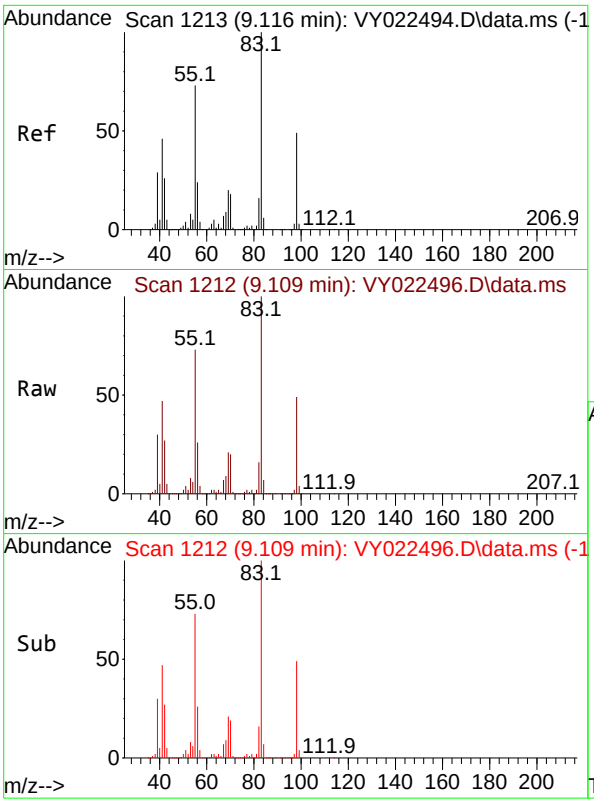


#38
Carbon Tetrachloride
Concen: 164.311 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 593167

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
121	29.9	25.0	37.4

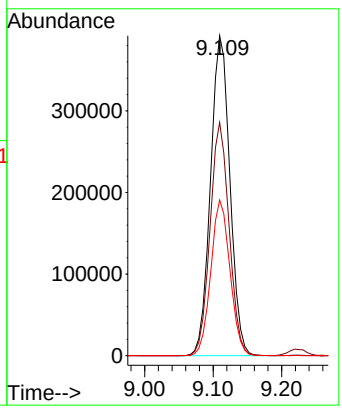




#39
Methylcyclohexane
Concen: 162.851 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 77038

Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.1	87.1
98	48.7	39.0	58.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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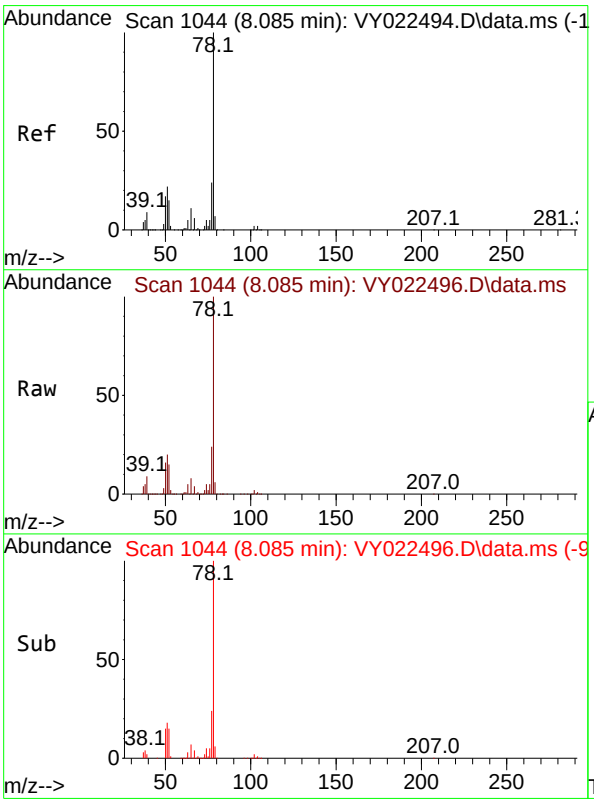
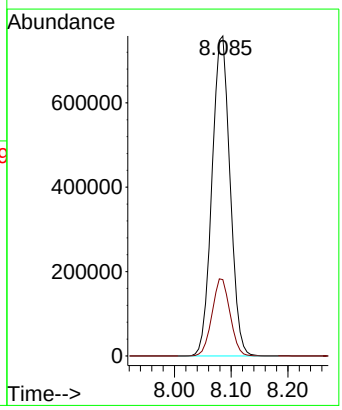
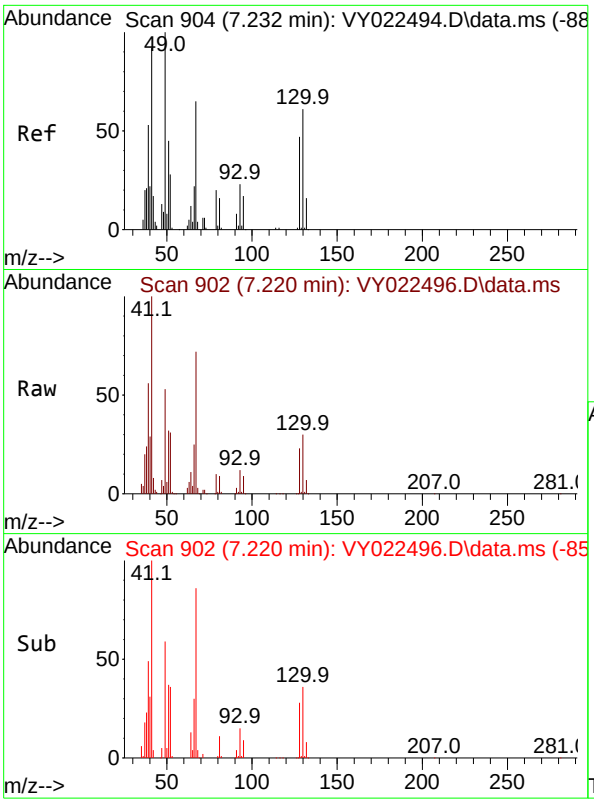


#40
Benzene
Concen: 162.332 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 78 Resp: 1675603

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

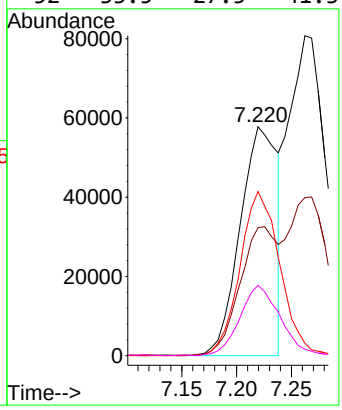




#41
Methacrylonitrile
Concen: 137.523 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 13649

Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	77.5	63.3	94.9
52	33.5	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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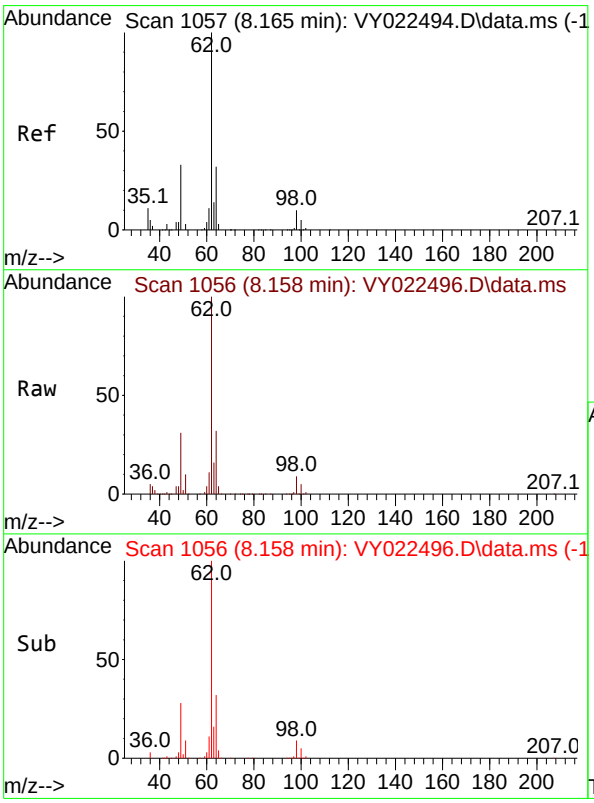
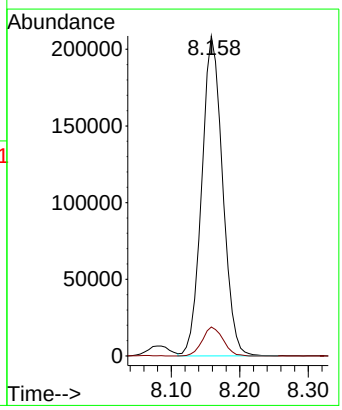
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

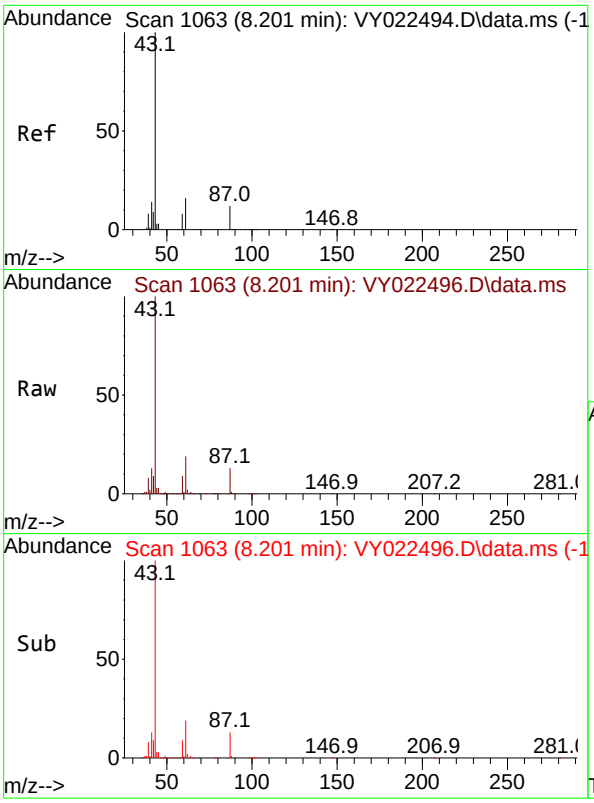


#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 442216

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2





#43
Isopropyl Acetate
Concen: 155.250 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 52284

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.6	23.4
87	13.1	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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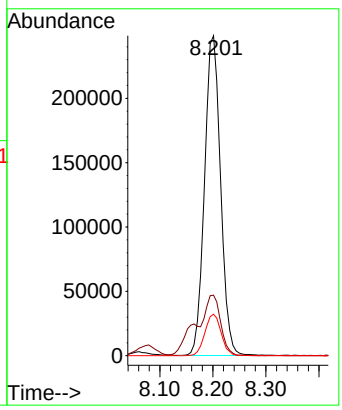
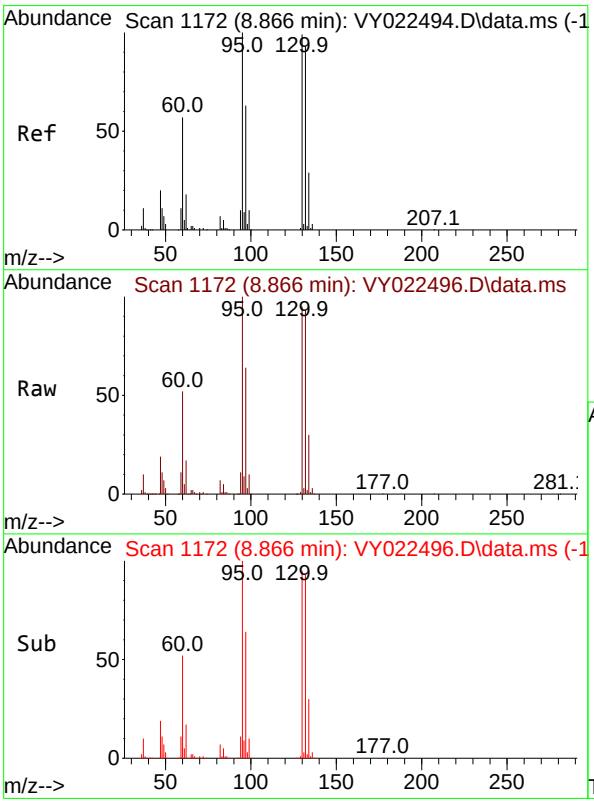
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

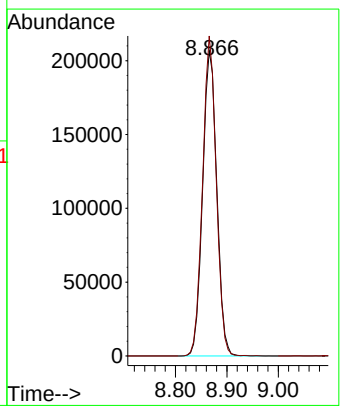


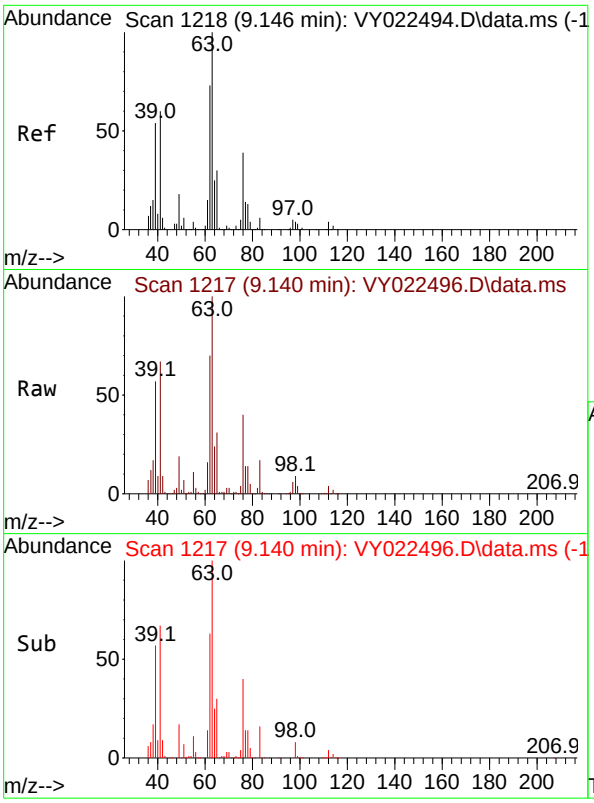


#44
Trichloroethene
Concen: 156.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:130 Resp: 394832

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.0





#45
1,2-Dichloropropane
Concen: 156.539 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 38520

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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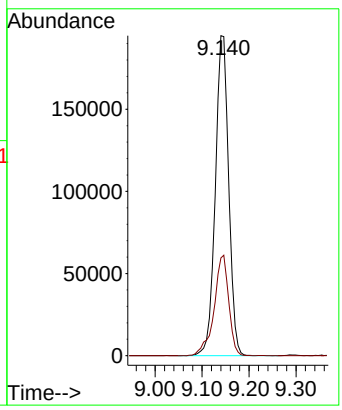
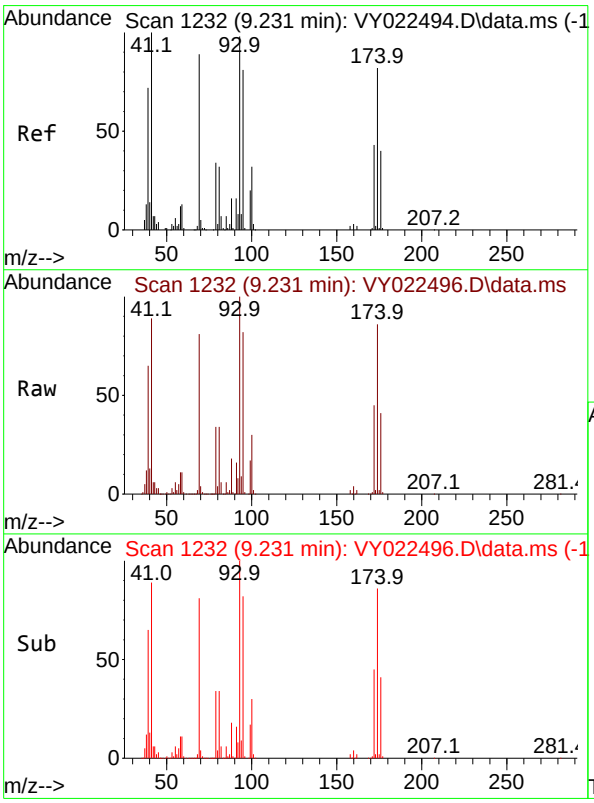
Supervised By :Mahesh Dadoda 06/03/2025

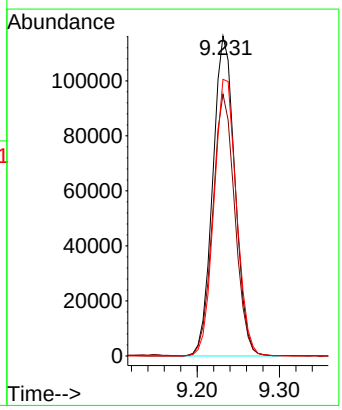


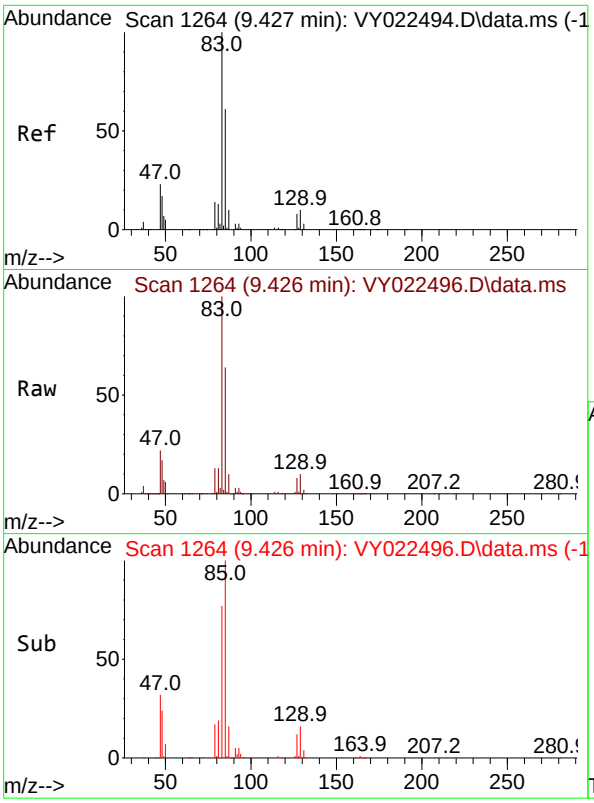


#46
Dibromomethane
Concen: 158.140 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 93 Resp: 218014

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.6	98.4
174	87.8	70.4	105.6

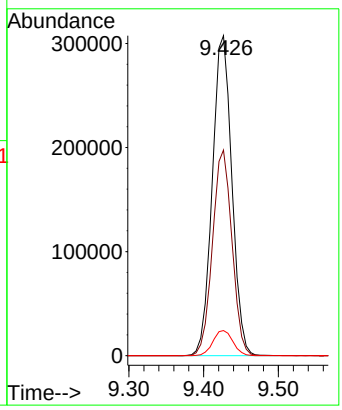




#47
Bromodichloromethane
Concen: 160.221 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 56042

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.1	73.7
127	7.9	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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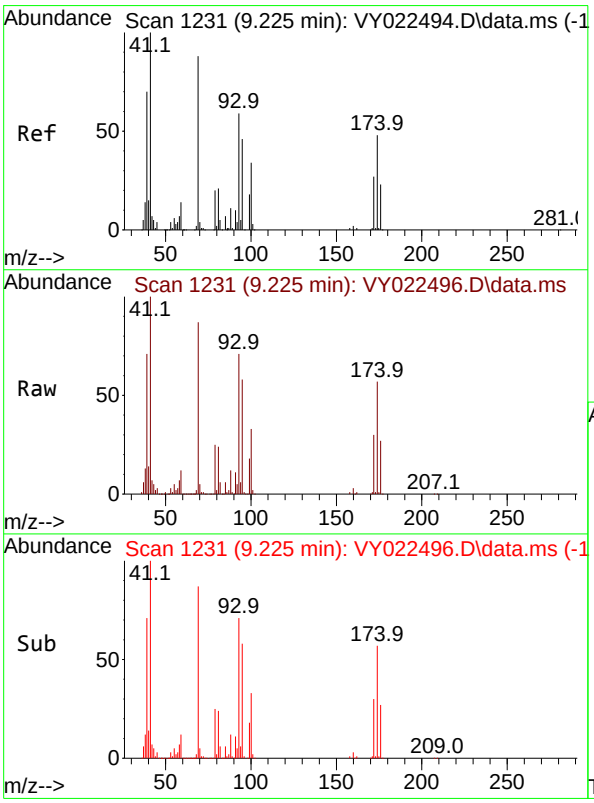
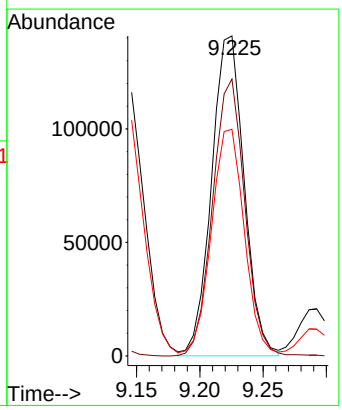
Supervised By :Mahesh Dadoda 06/03/2025

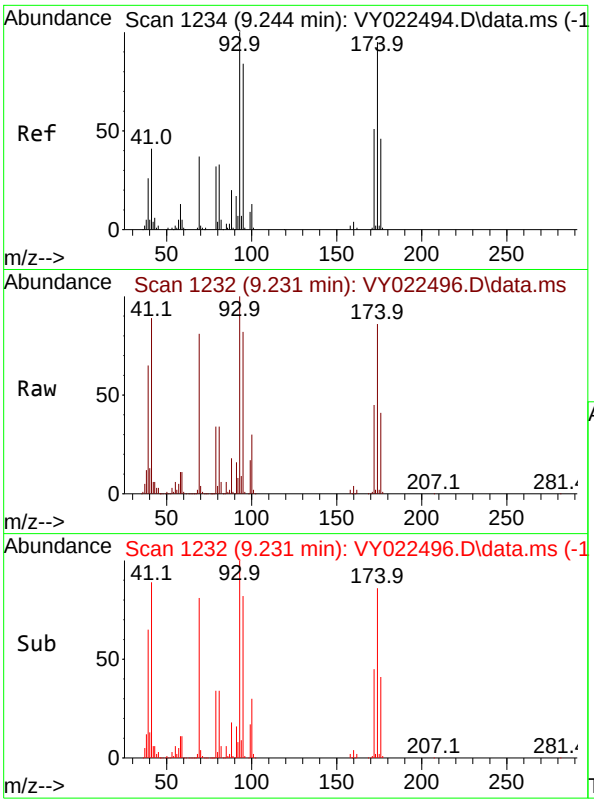


#48
Methyl methacrylate
Concen: 163.897 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 252724

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	69.7	55.0	82.4

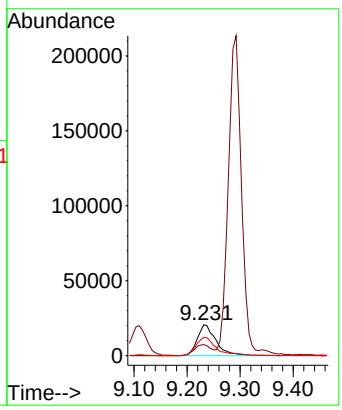




#49
1,4-Dioxane
Concen: 3093.301 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 88 Resp: 5087

Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.4	38.2
58	64.1	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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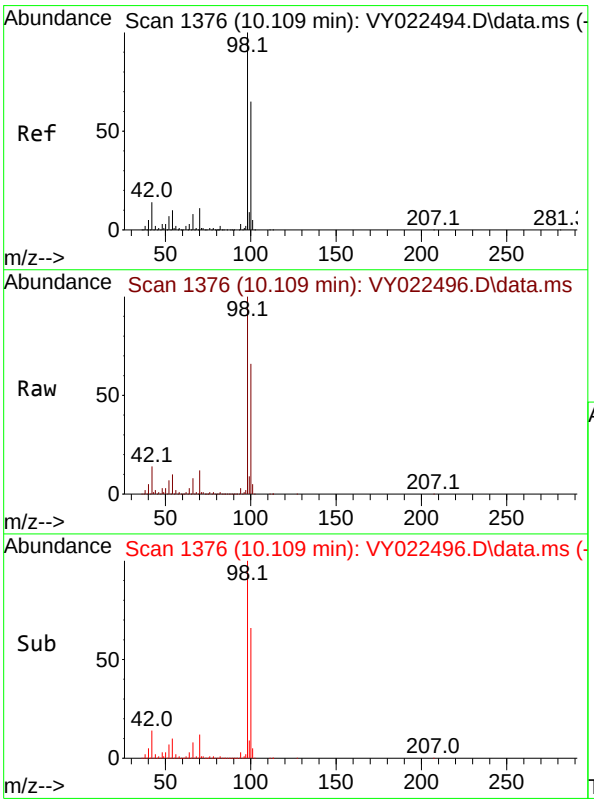
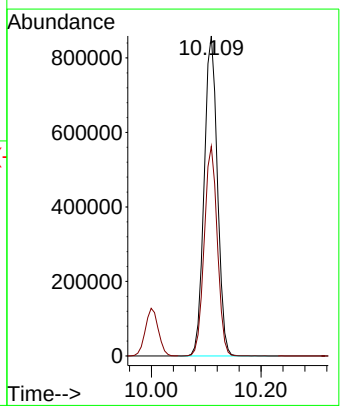
Supervised By :Mahesh Dadoda 06/03/2025

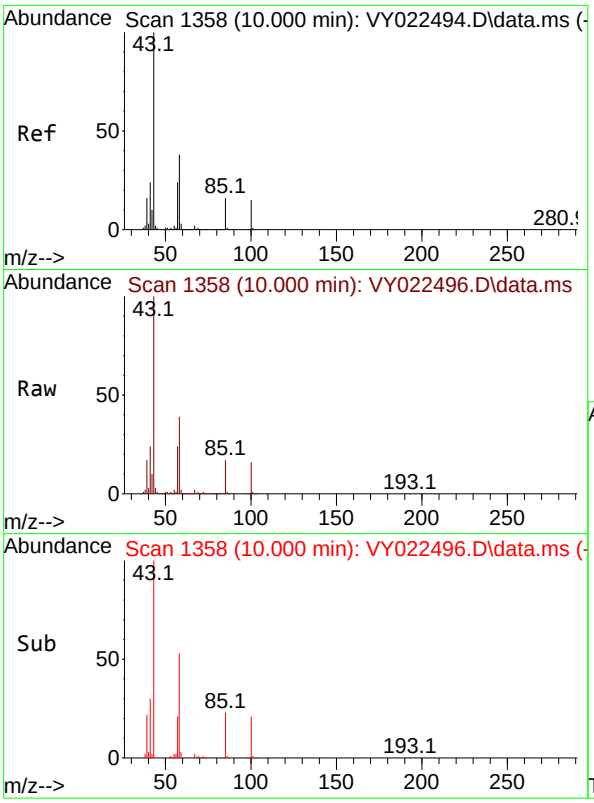


#50
Toluene-d8
Concen: 163.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 98 Resp: 1432587

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0

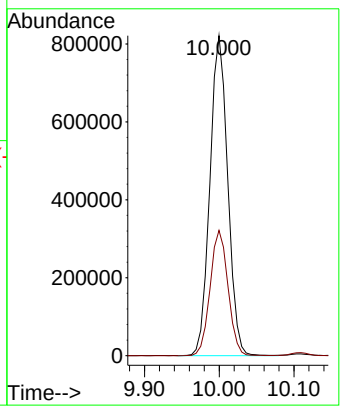




#51
4-Methyl-2-Pentanone
Concen: 812.744 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 135851

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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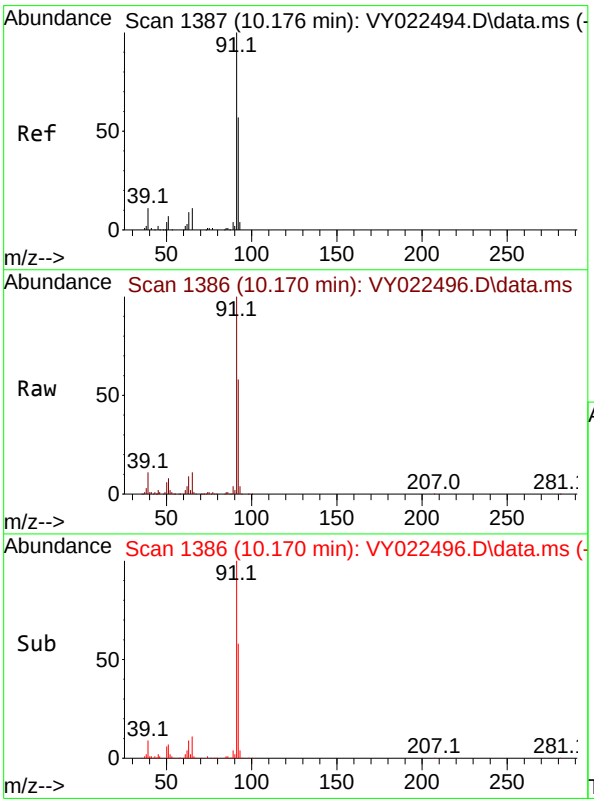
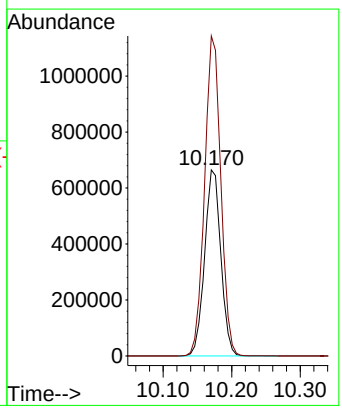
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

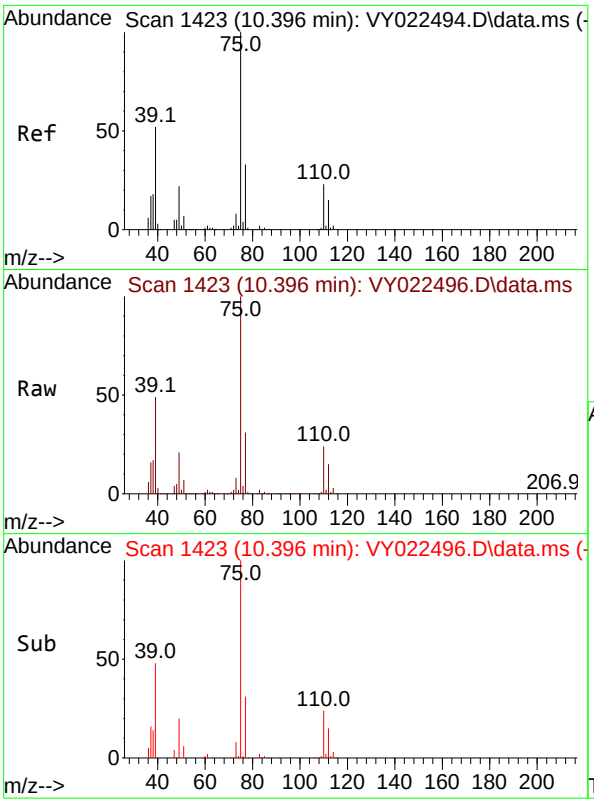


#52
Toluene
Concen: 168.447 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 92 Resp: 1093200

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4

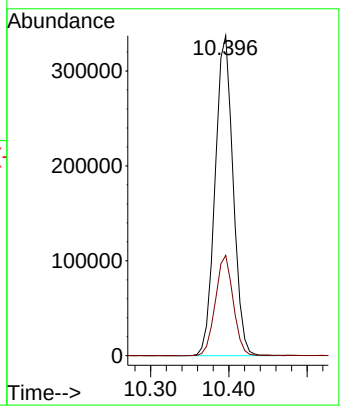




#53
t-1,3-Dichloropropene
Concen: 166.237 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 53792

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/03/2025
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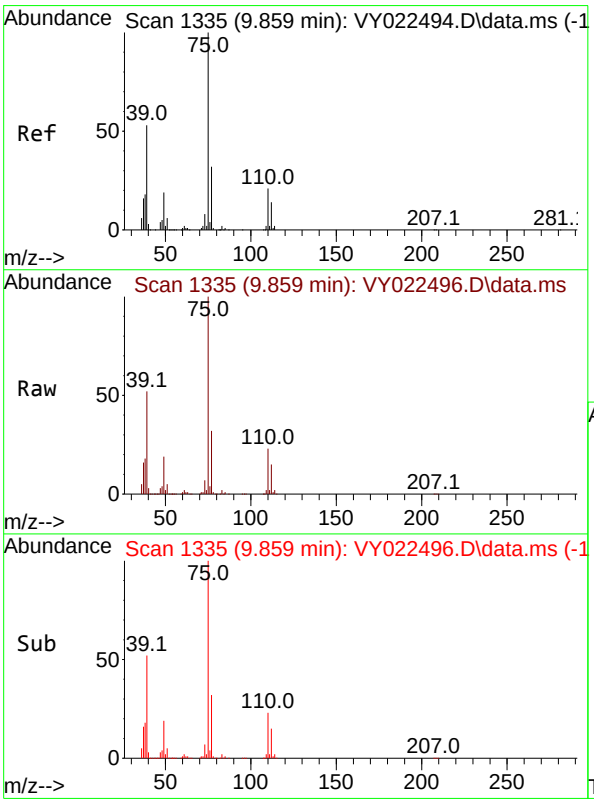
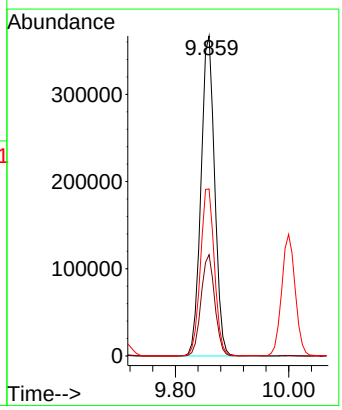
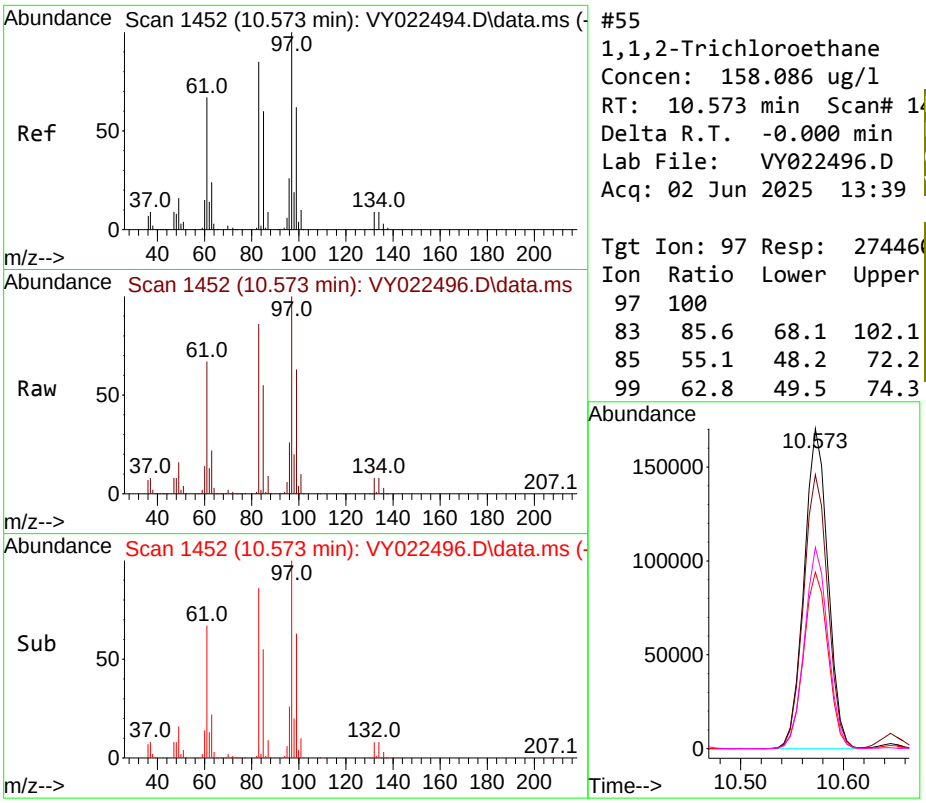


#54
cis-1,3-Dichloropropene
Concen: 162.259 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 615667

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	52.2	42.7	64.1





#55
1,1,2-Trichloroethane
Concen: 158.086 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 27446

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.1	102.1
85	55.1	48.2	72.2
99	62.8	49.5	74.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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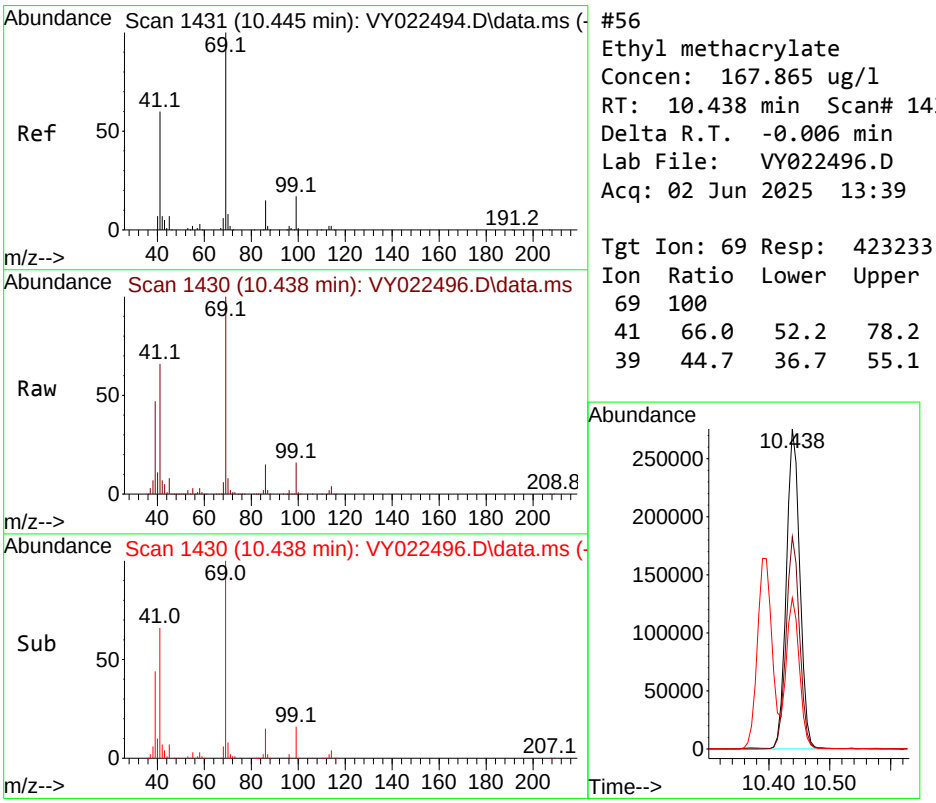
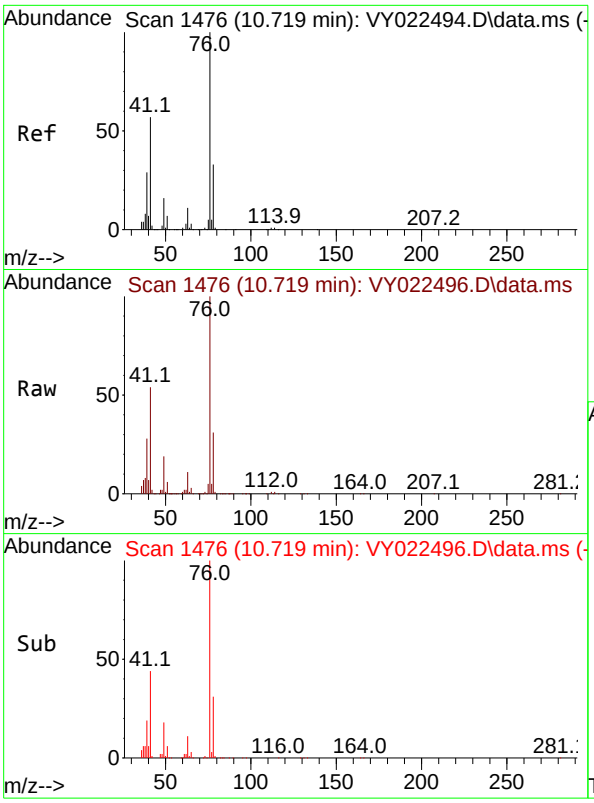


#56
Ethyl methacrylate
Concen: 167.865 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 69 Resp: 423233

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.2	78.2
39	44.7	36.7	55.1



#57
1,3-Dichloropropane
Concen: 158.010 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 76 Resp: 48857

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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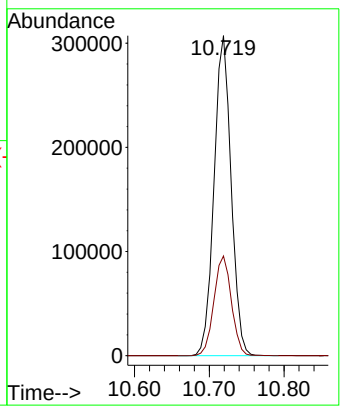
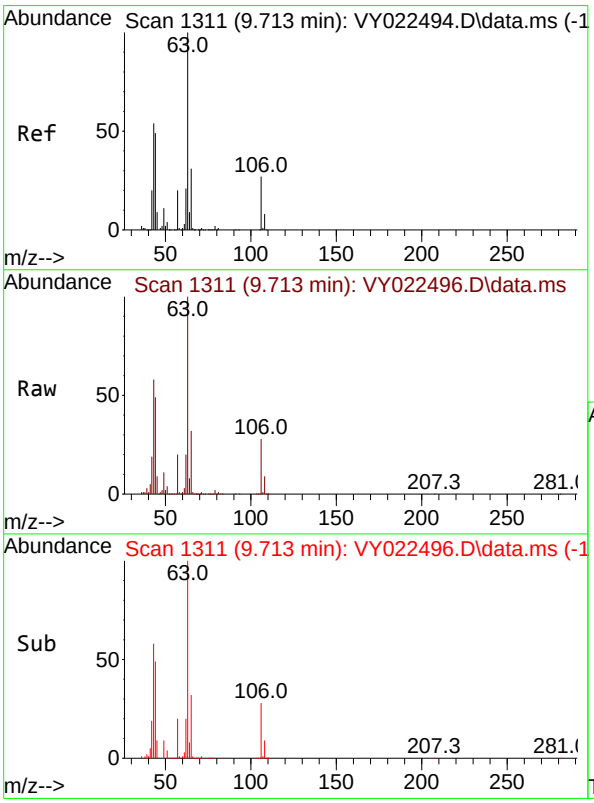
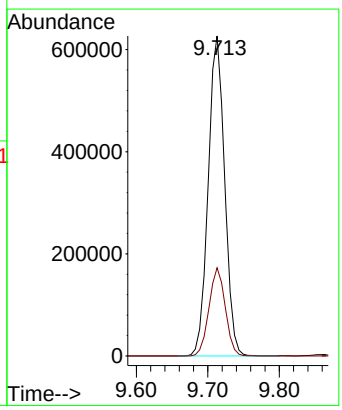


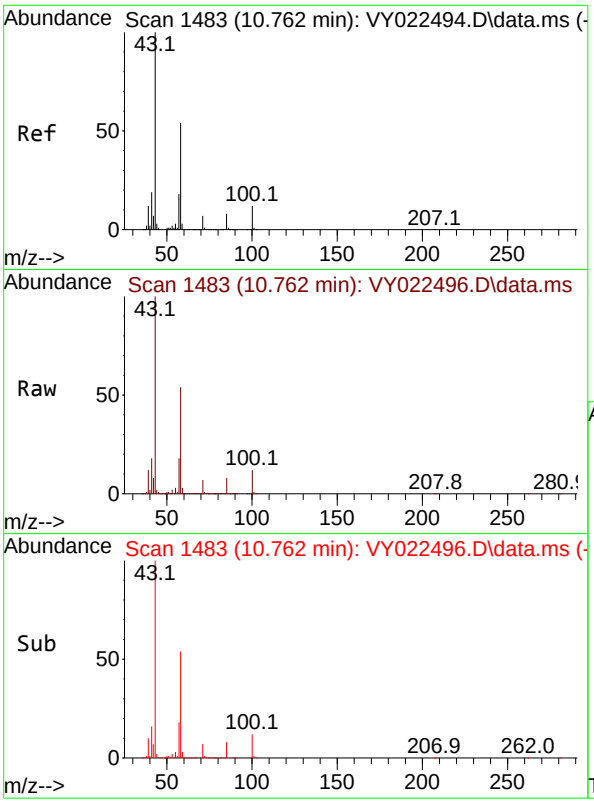


#58
2-Chloroethyl Vinyl ether
Concen: 890.345 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 1000760

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4





#59
2-Hexanone
Concen: 804.699 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 89662

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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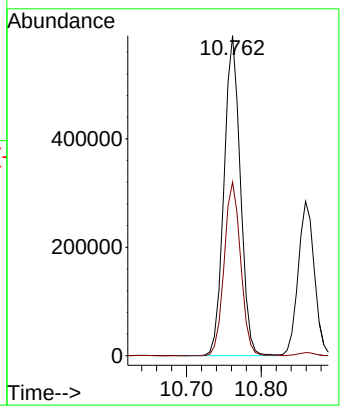
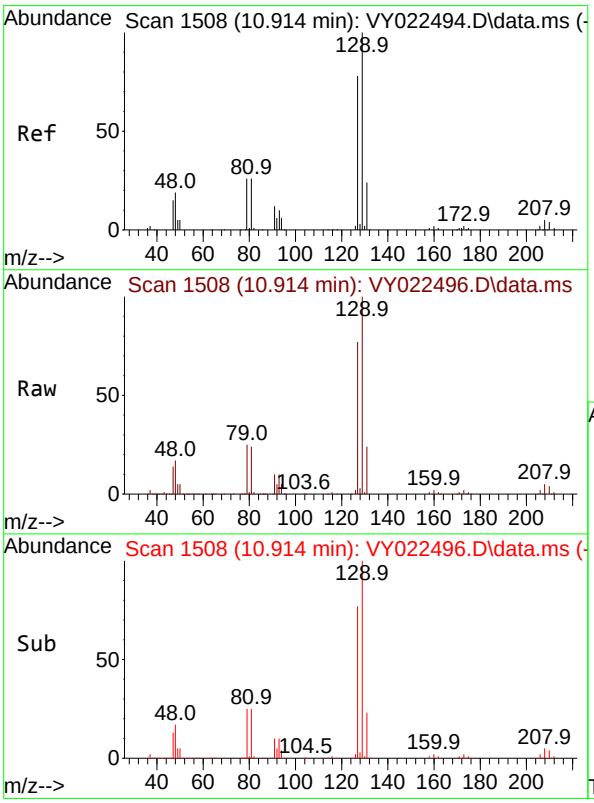
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

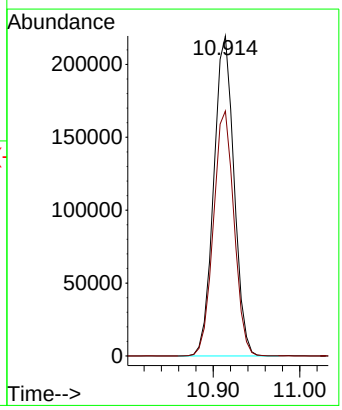


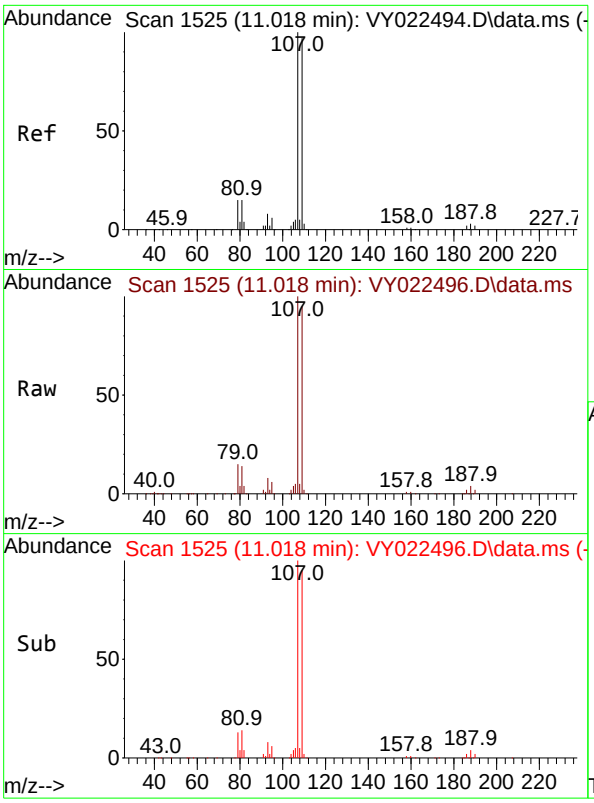


#60
Dibromochloromethane
Concen: 162.227 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:129 Resp: 356873

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2





#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:107 Resp: 25412

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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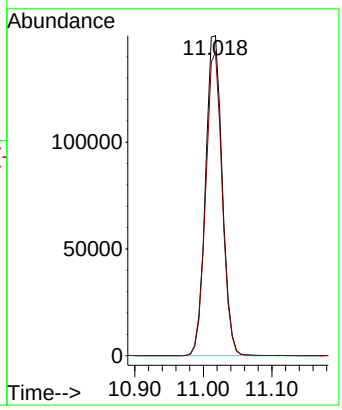
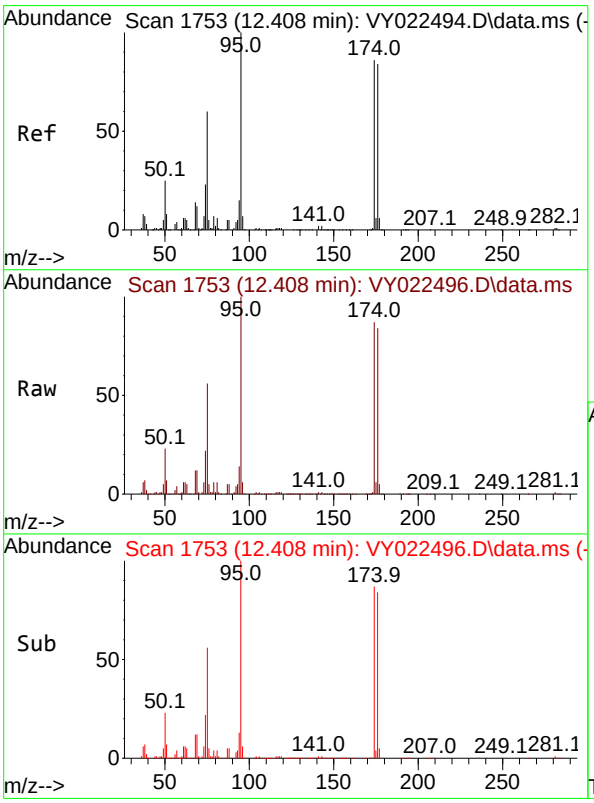
Supervised By :Mahesh Dadoda 06/03/2025

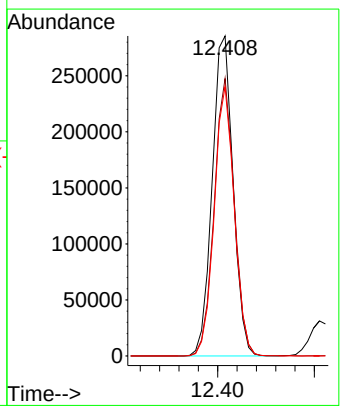


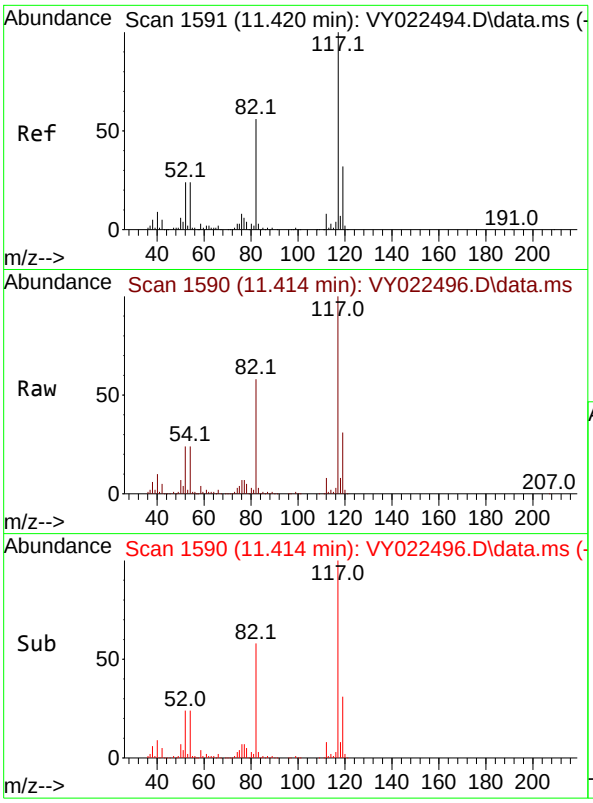


#62
4-Bromofluorobenzene
Concen: 160.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 95 Resp: 426573

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	170.0
176	81.1	0.0	166.2

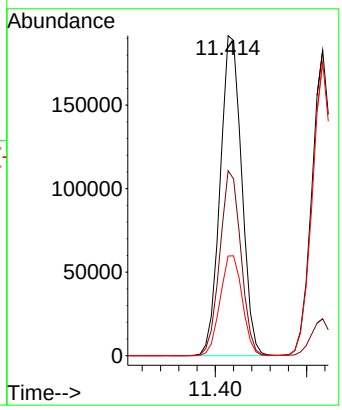




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 31395

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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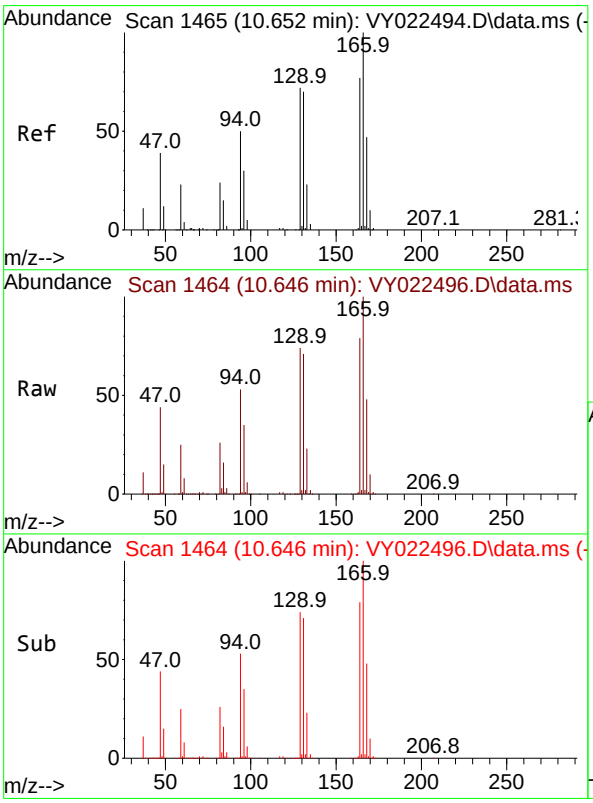
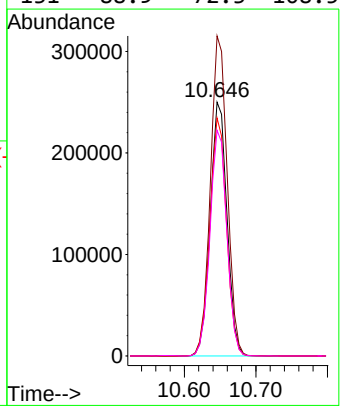
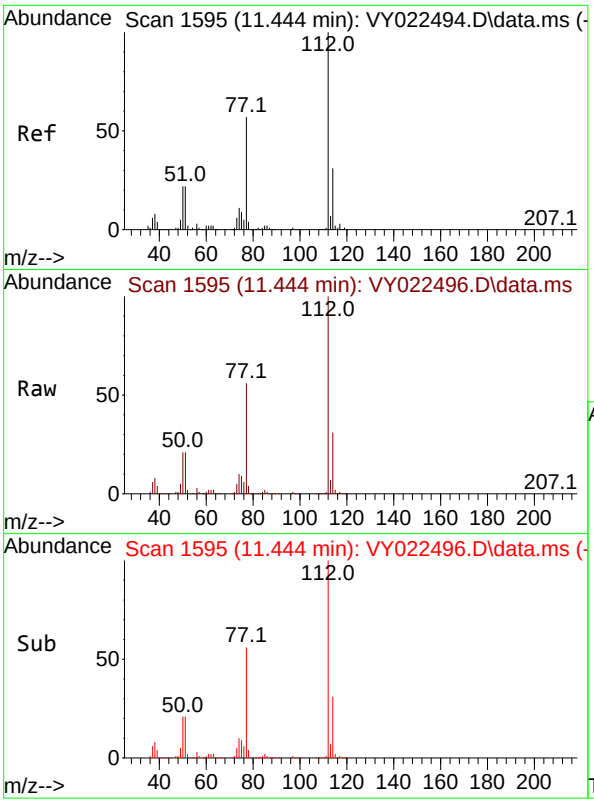


#64
Tetrachloroethene
Concen: 152.453 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:164 Resp: 406758

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.0	156.0
129	93.8	74.5	111.7
131	88.9	72.3	108.5

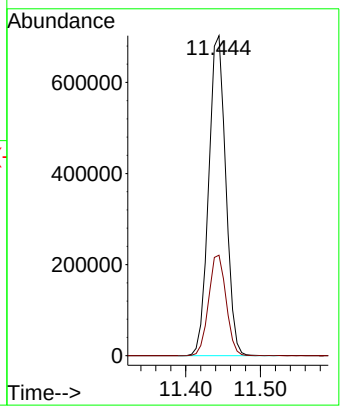




#65
Chlorobenzene
Concen: 163.544 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:112 Resp: 111334

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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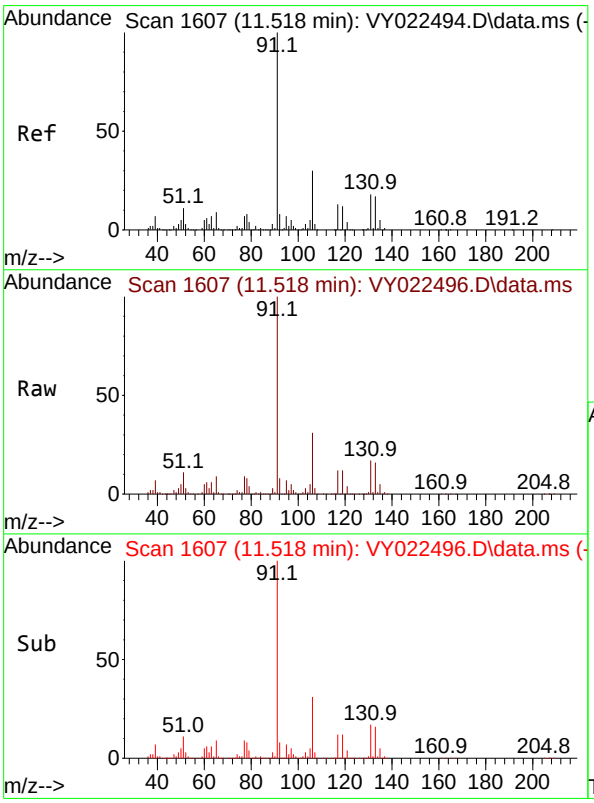
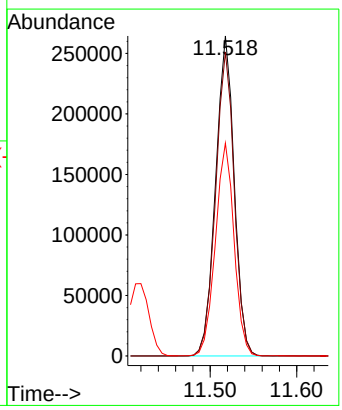
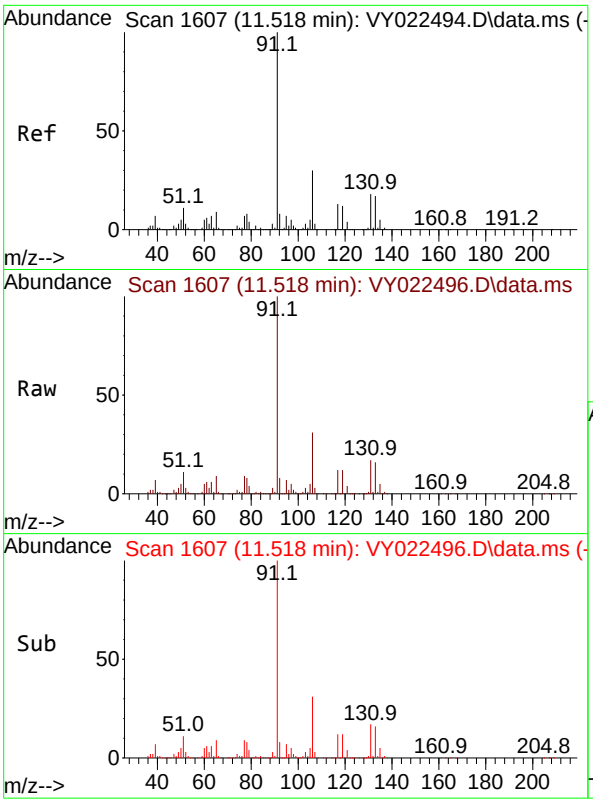


#66
1,1,1,2-Tetrachloroethane
Concen: 171.190 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:131 Resp: 395046

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.8
119	66.8	33.1	99.3

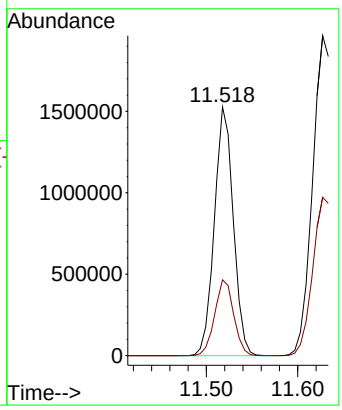




#67
Ethyl Benzene
Concen: 173.285 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 219681

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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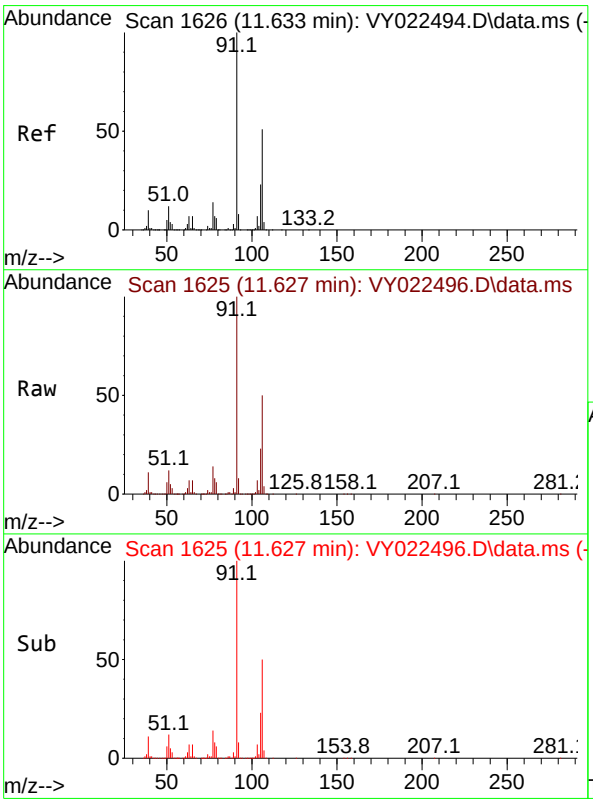
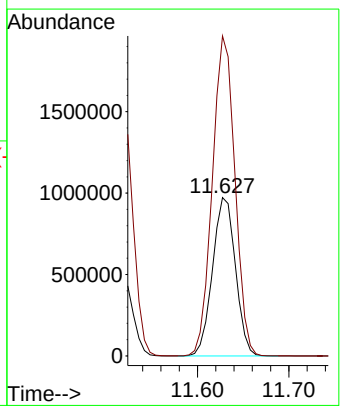
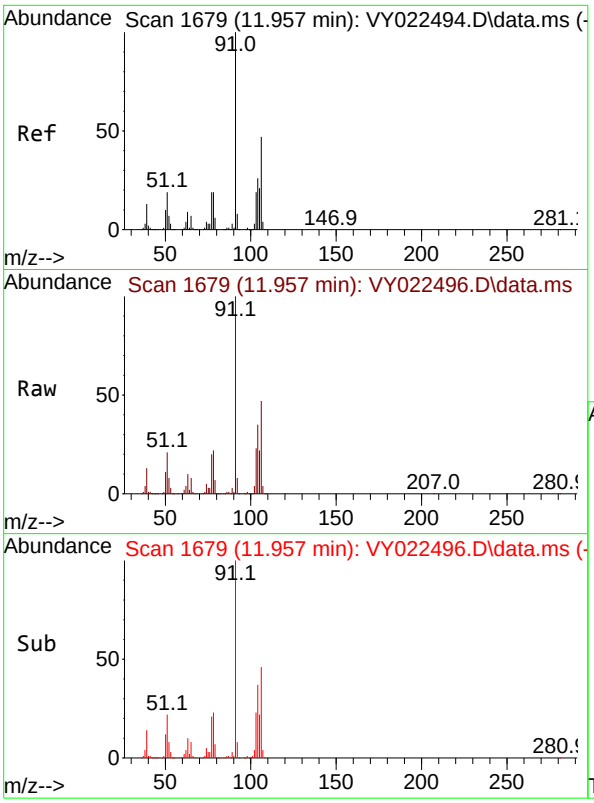


#68
m/p-Xylenes
Concen: 353.103 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 1694177

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0

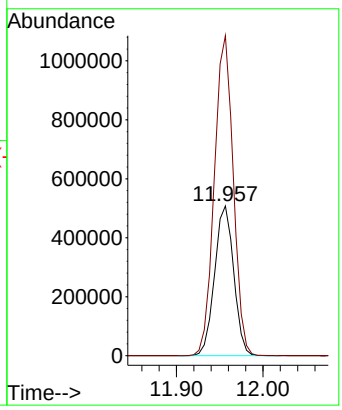




#69
o-Xylene
Concen: 173.188 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 77768

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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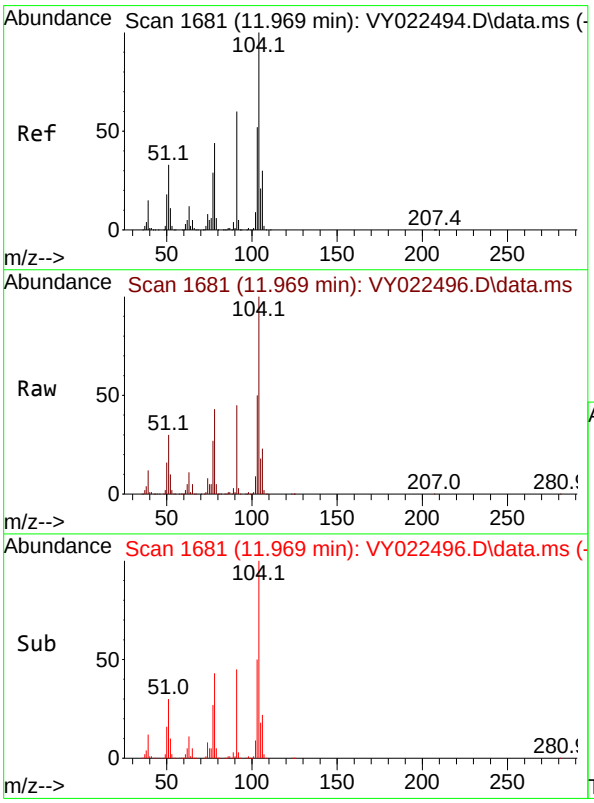
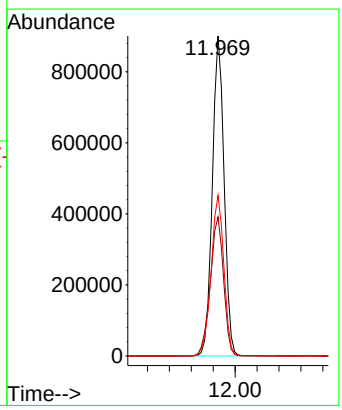
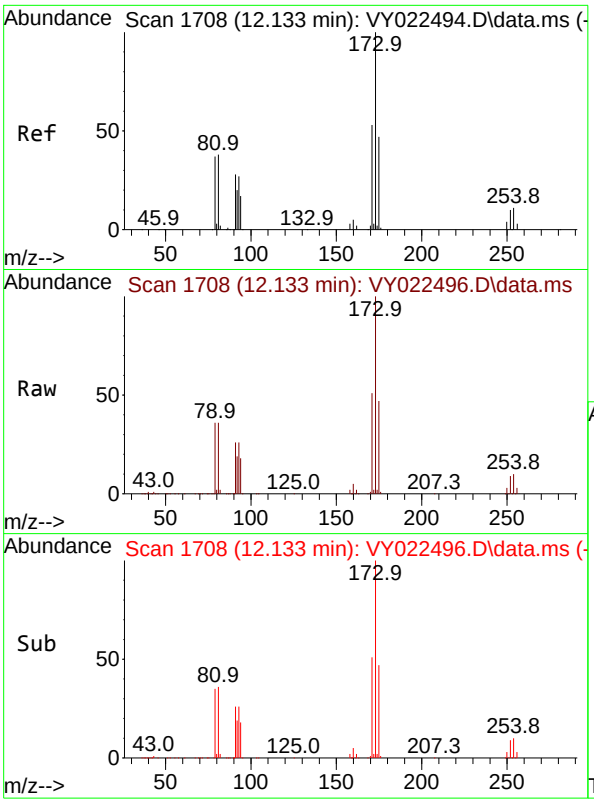


#70
Styrene
Concen: 179.564 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:104 Resp: 1334986

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	54.6	44.1	66.1

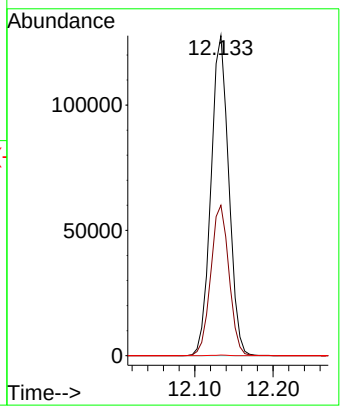




#71
Bromoform
Concen: 166.138 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:173 Resp: 20146

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.5
254	0.2	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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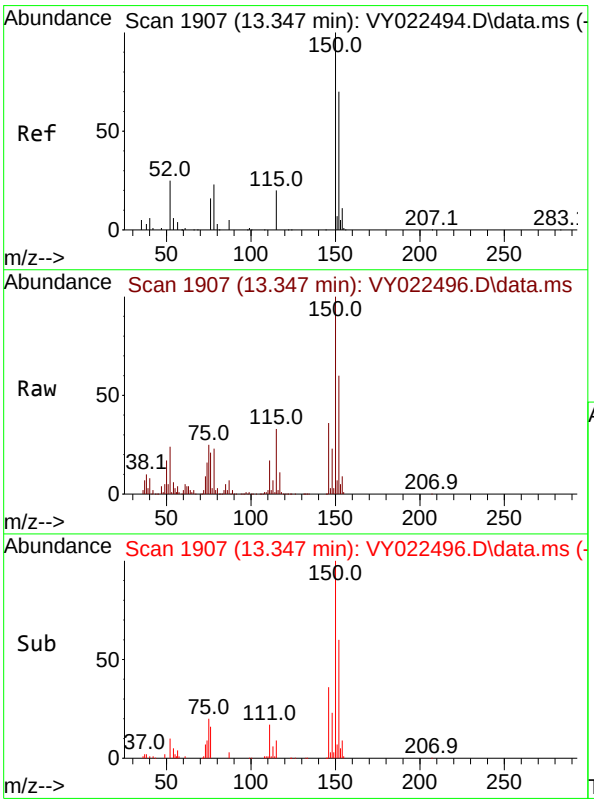
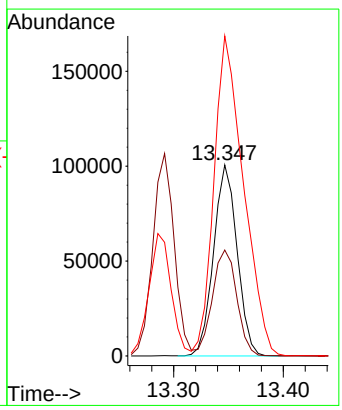
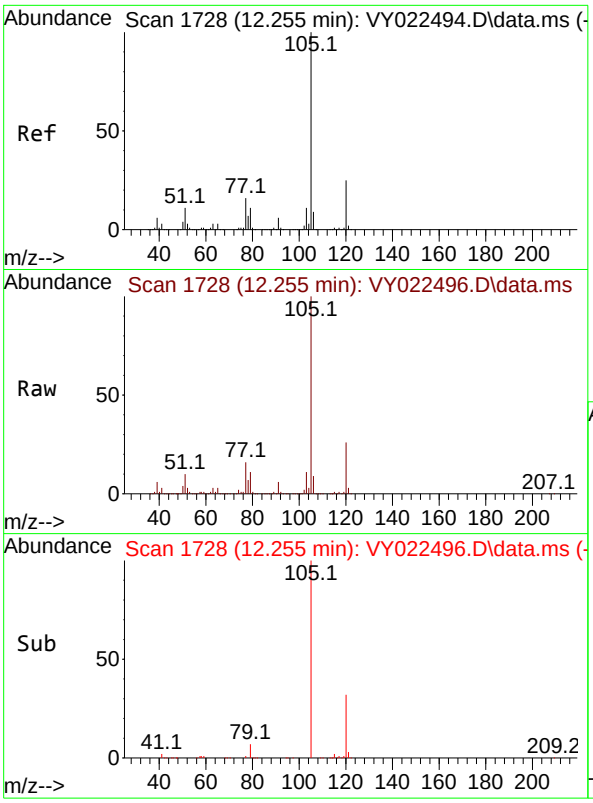


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:152 Resp: 150326

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	210.0	0.0	349.6

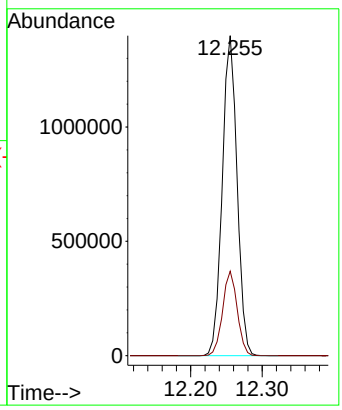




#73
Isopropylbenzene
Concen: 166.060 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 201126

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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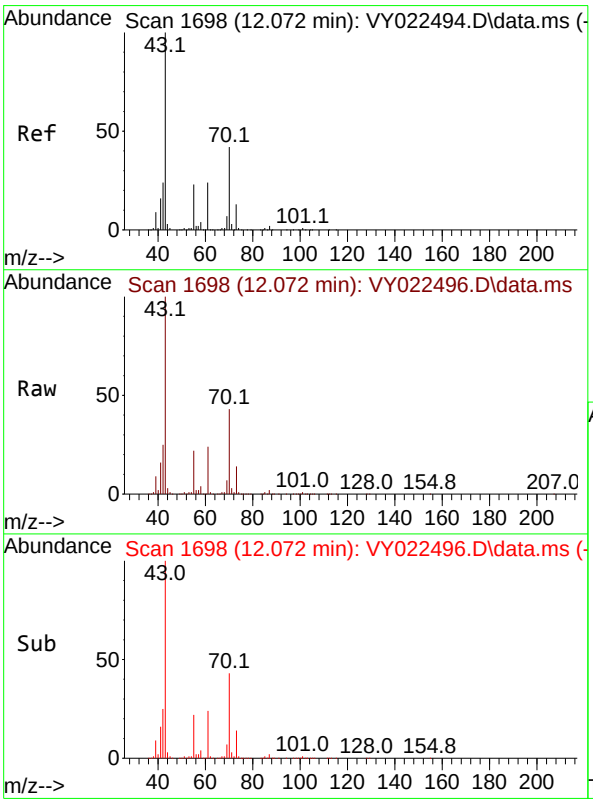
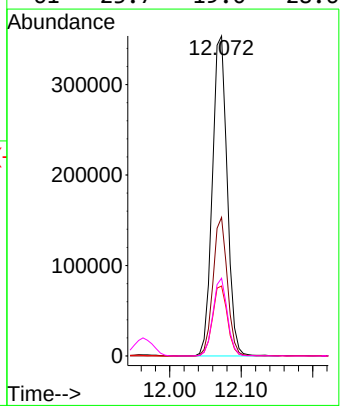
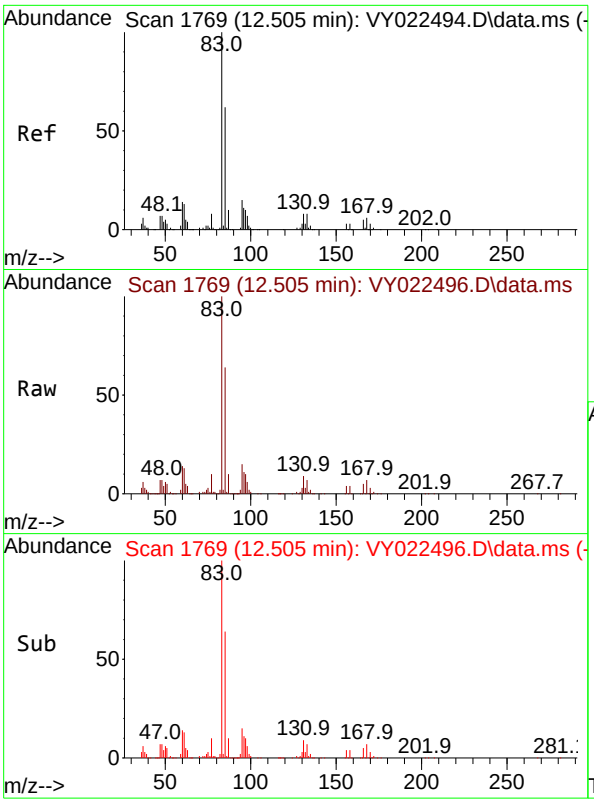


#74
N-amyl acetate
Concen: 165.957 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 508301

Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.2	51.2
55	22.1	18.2	27.4
61	23.7	19.0	28.6

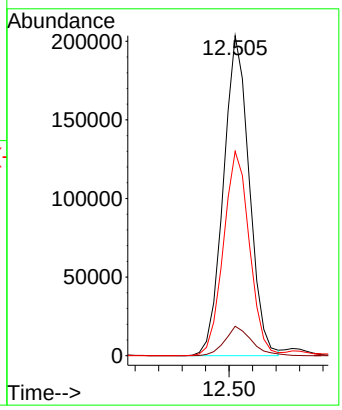




#75
1,1,2,2-Tetrachloroethane
Concen: 157.927 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 31064

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.3	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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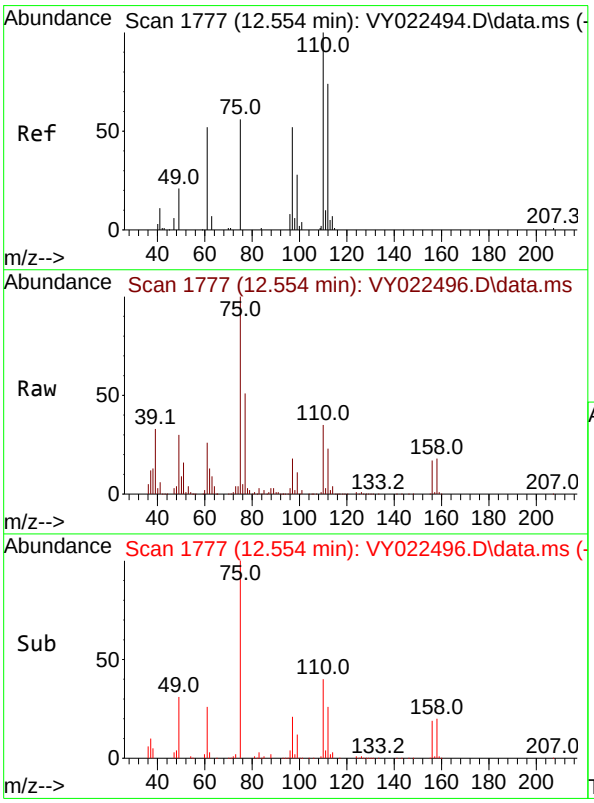
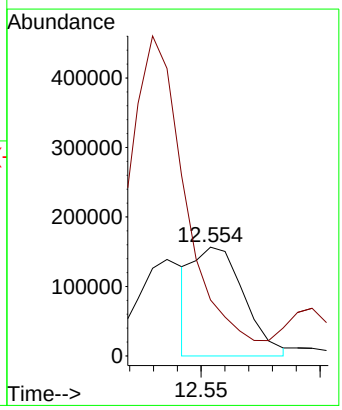
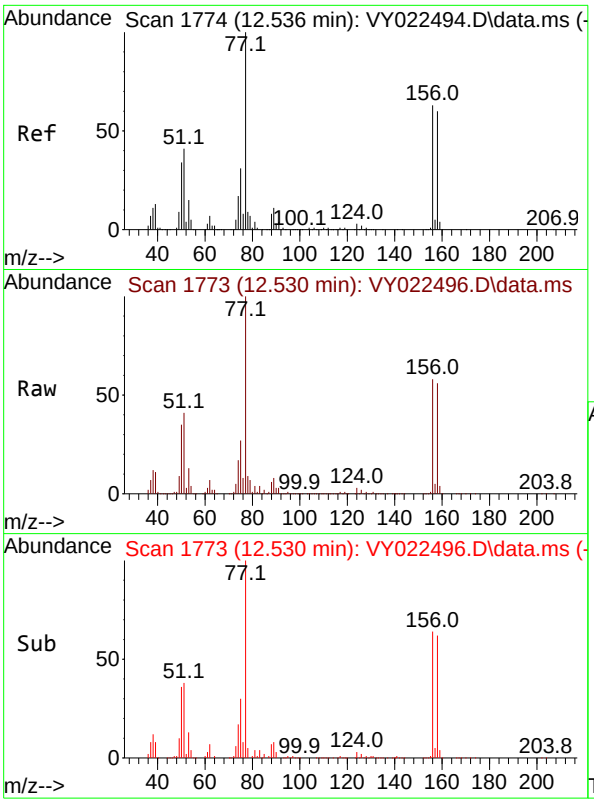


#76
1,2,3-Trichloropropane
Concen: 116.768 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 231729

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

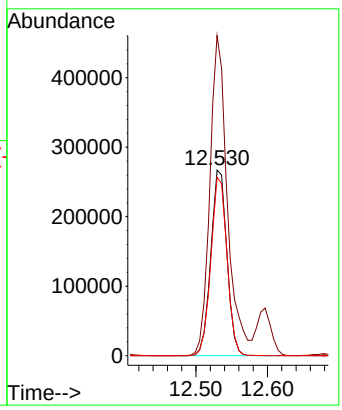




#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:156 Resp: 41712

Ion	Ratio	Lower	Upper
156	100		
77	188.4	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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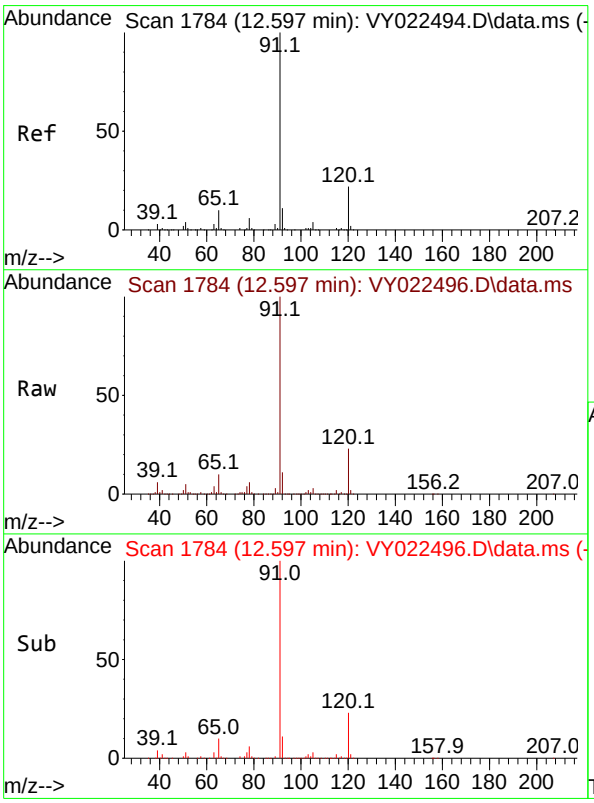
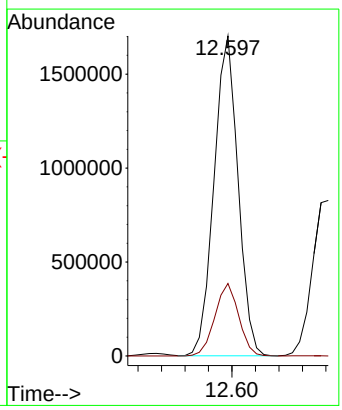
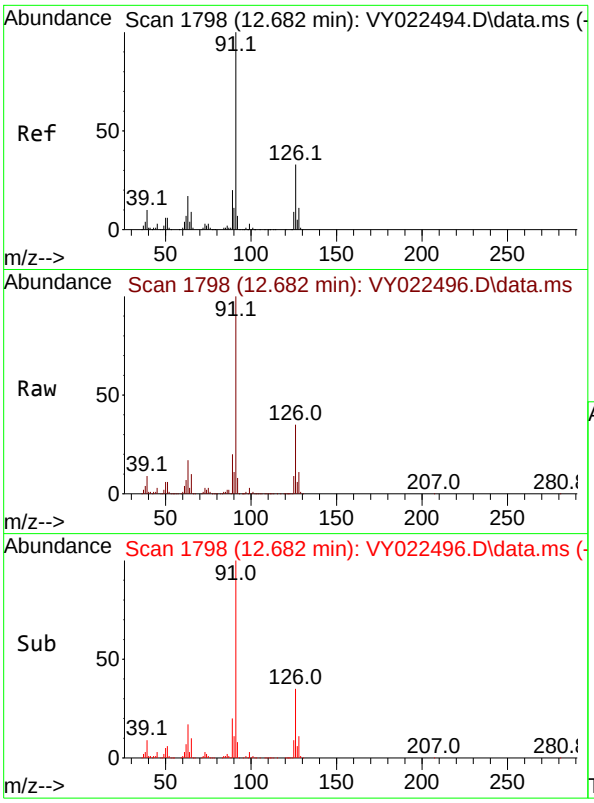


#78
n-propylbenzene
Concen: 163.876 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 2416013

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

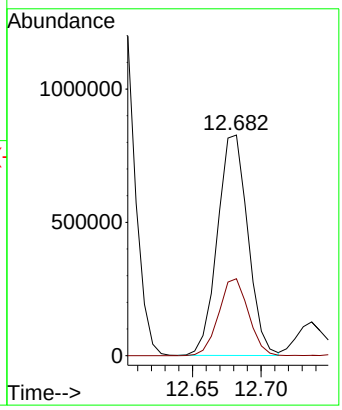




#79
2-Chlorotoluene
Concen: 163.862 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 127558

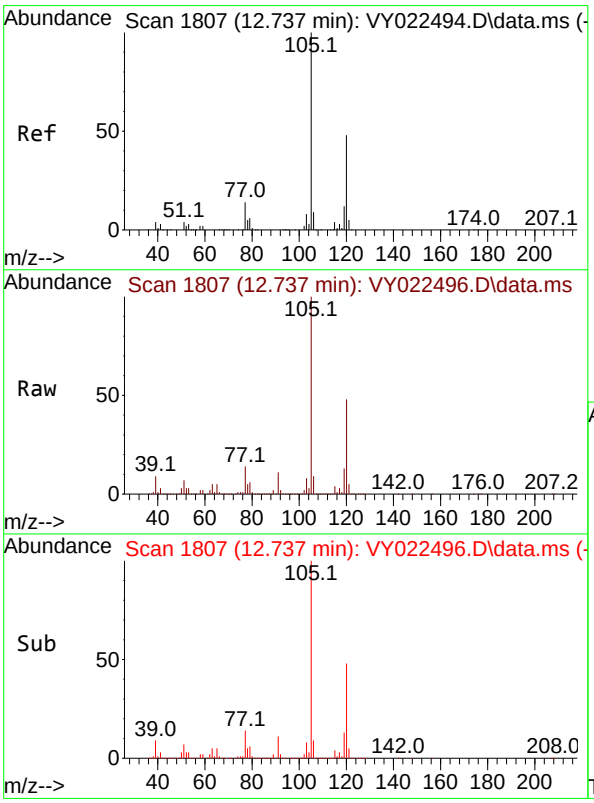
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

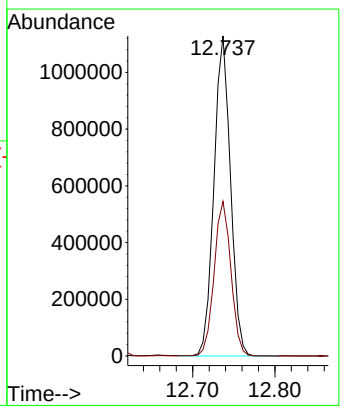
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

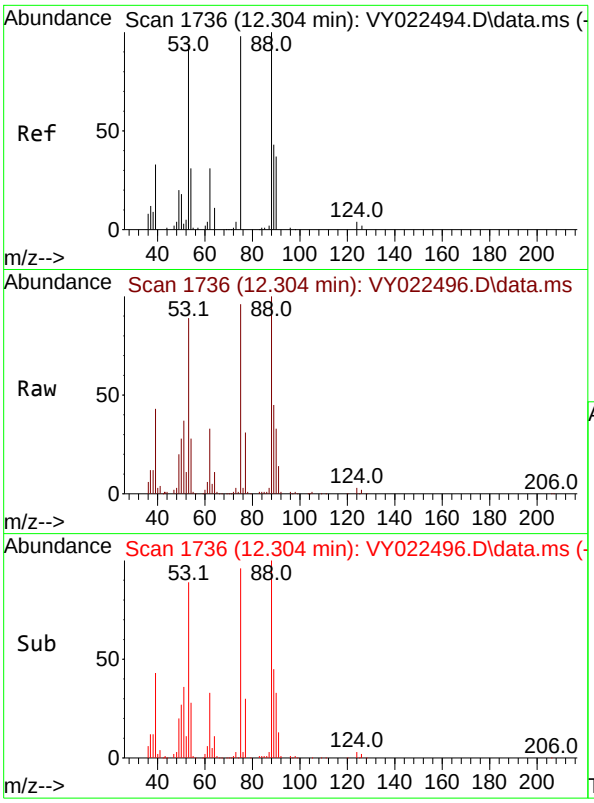


#80
1,3,5-Trimethylbenzene
Concen: 166.511 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1576906

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 160.989 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 11143

Ion	Ratio	Lower	Upper
75	100		
53	93.2	78.5	117.7
89	46.1	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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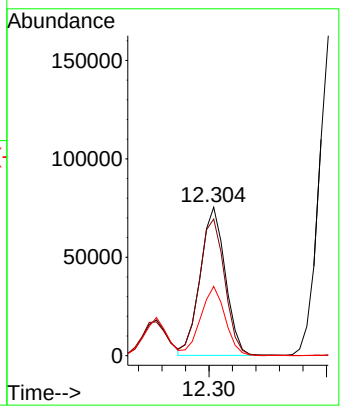
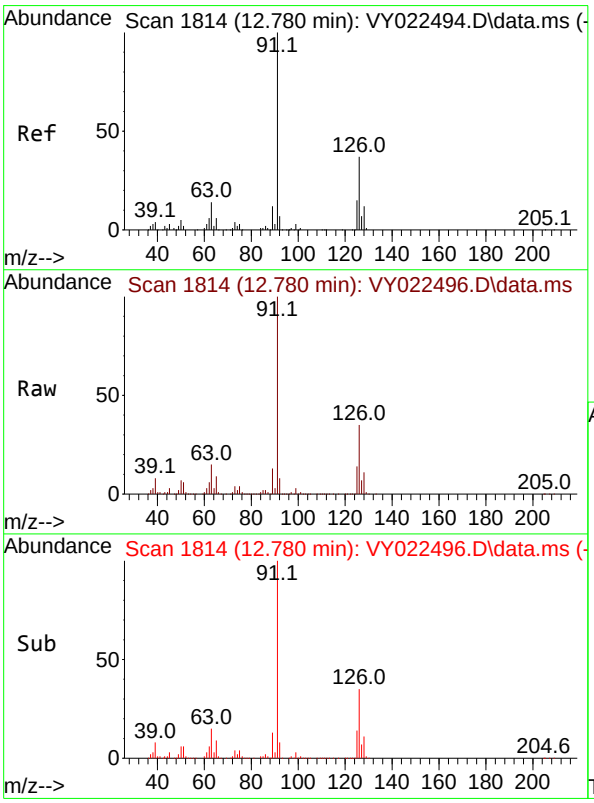
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

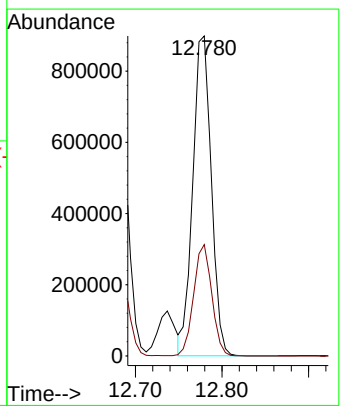


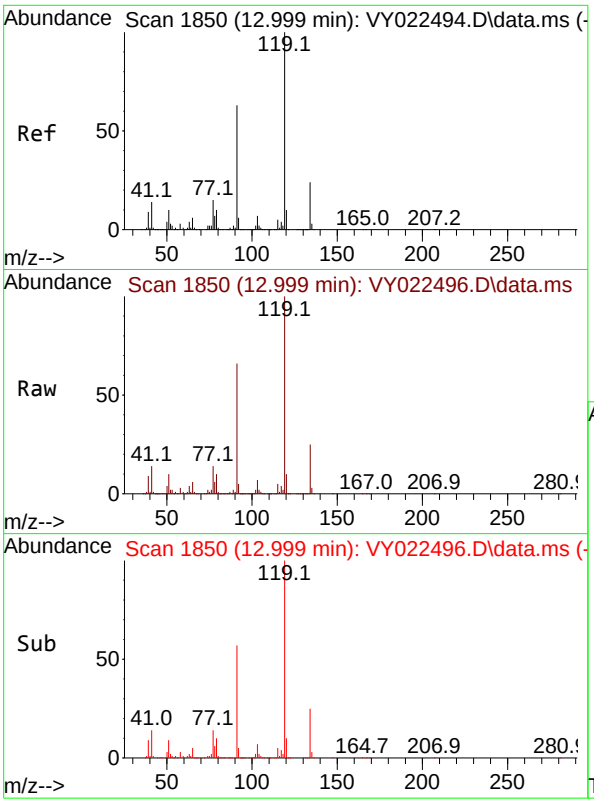


#82
4-Chlorotoluene
Concen: 165.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 1334965

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

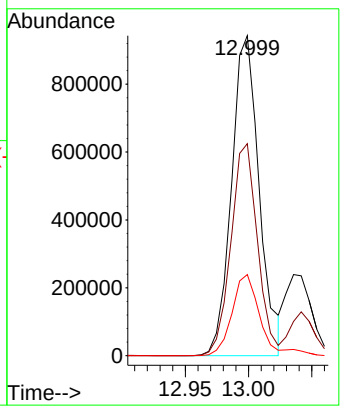




#83
tert-Butylbenzene
Concen: 166.064 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 143464

Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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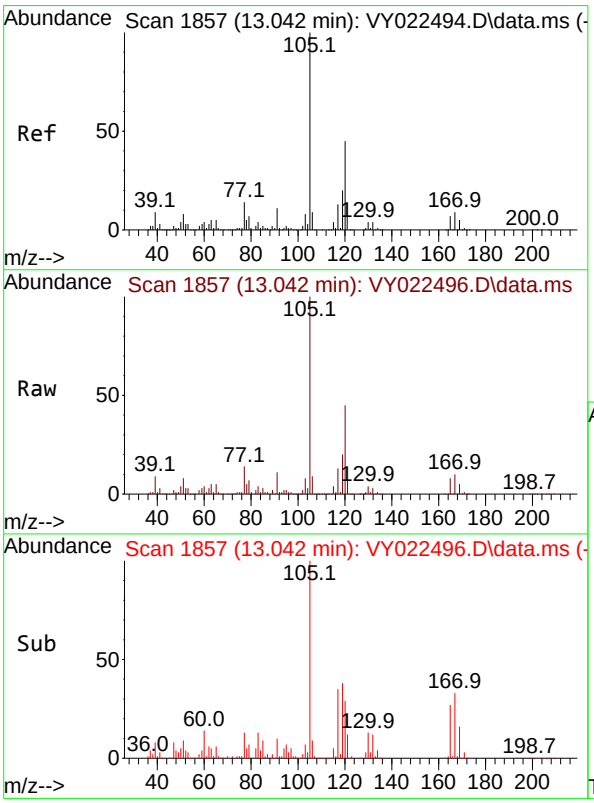
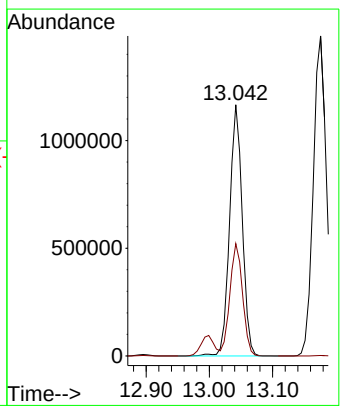
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

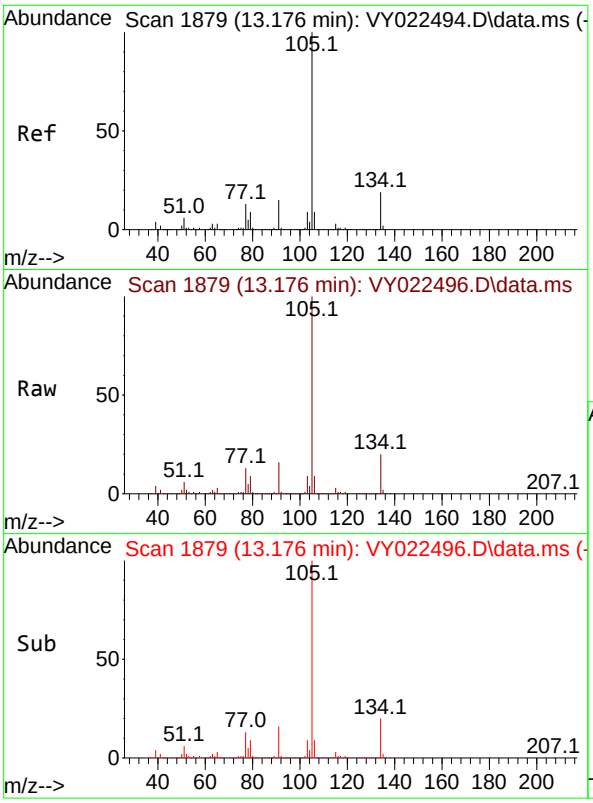


#84
1,2,4-Trimethylbenzene
Concen: 171.323 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1623289

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1

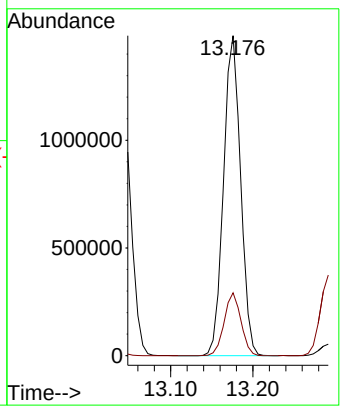




#85
sec-Butylbenzene
Concen: 163.415 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 214044

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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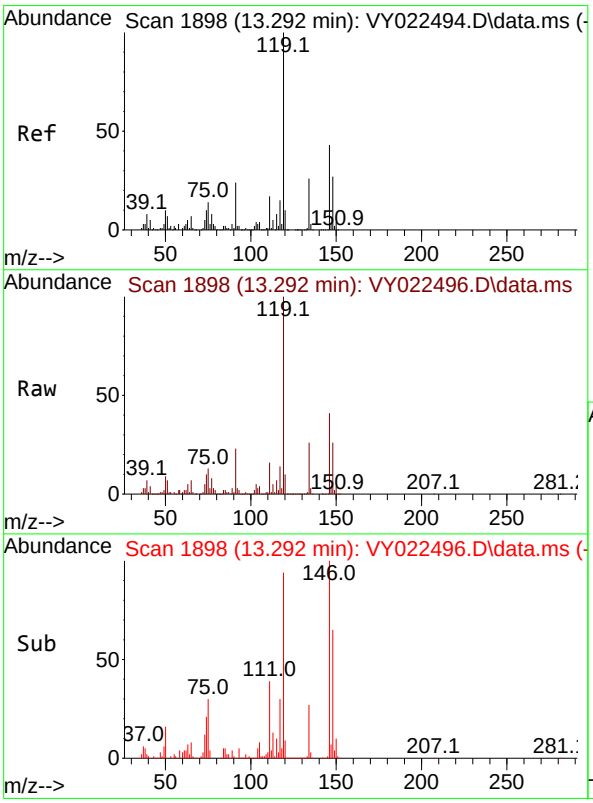
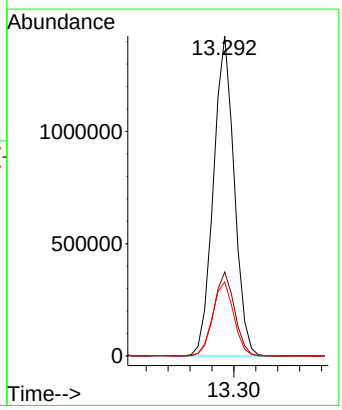
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

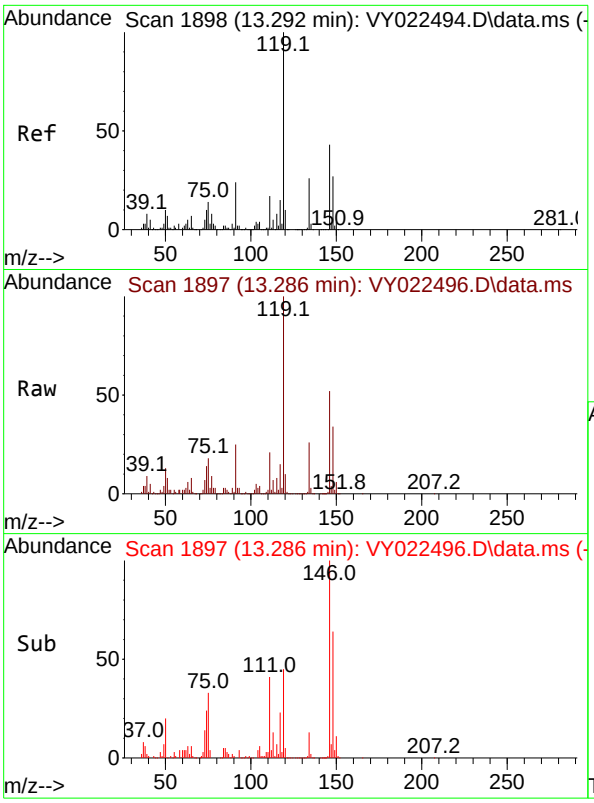


#86
p-Isopropyltoluene
Concen: 174.353 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 1877539

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.6	11.6	34.8

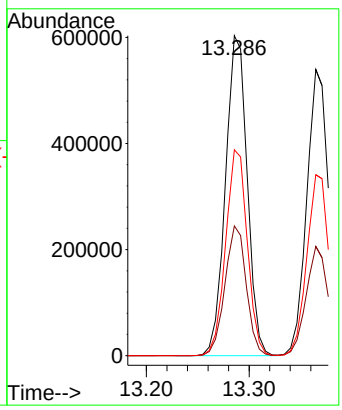




#87
1,3-Dichlorobenzene
Concen: 172.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 88505

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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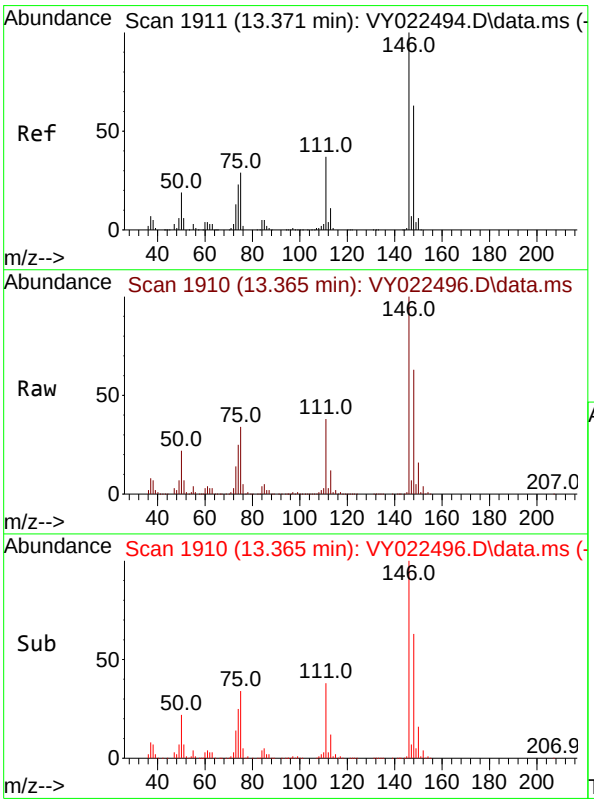
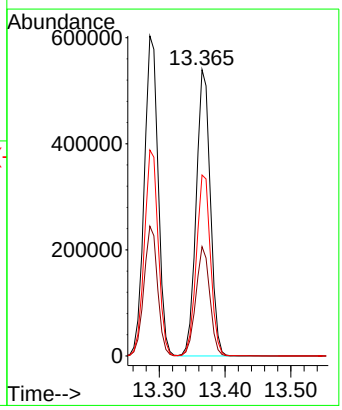
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

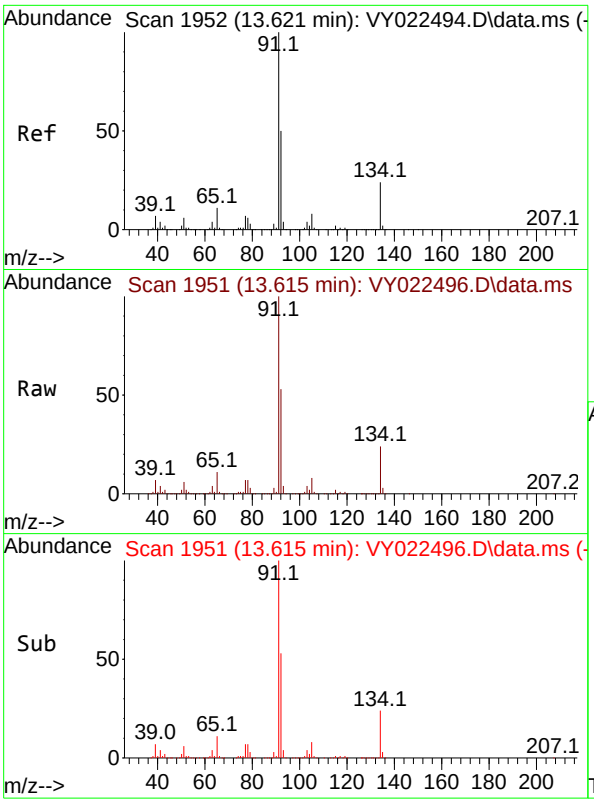


#88
1,4-Dichlorobenzene
Concen: 160.470 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 803022

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	63.7	31.6	94.8

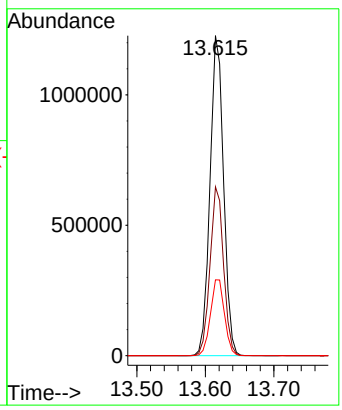




#89
n-Butylbenzene
Concen: 164.939 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 169111

Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.8
134	24.6	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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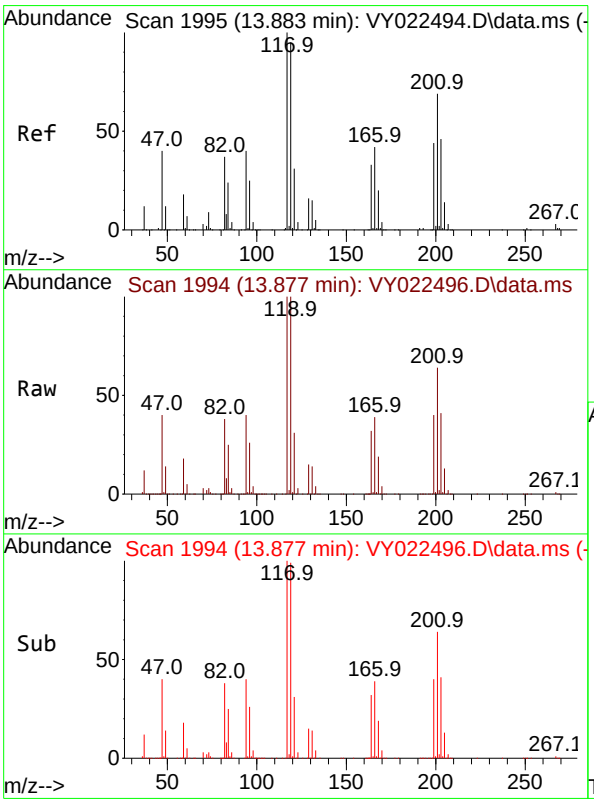
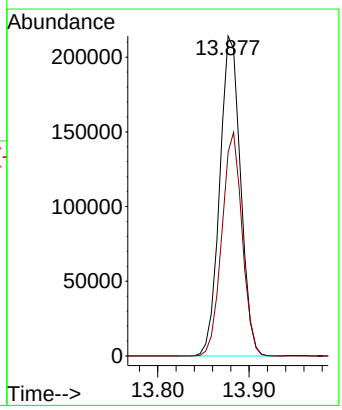
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

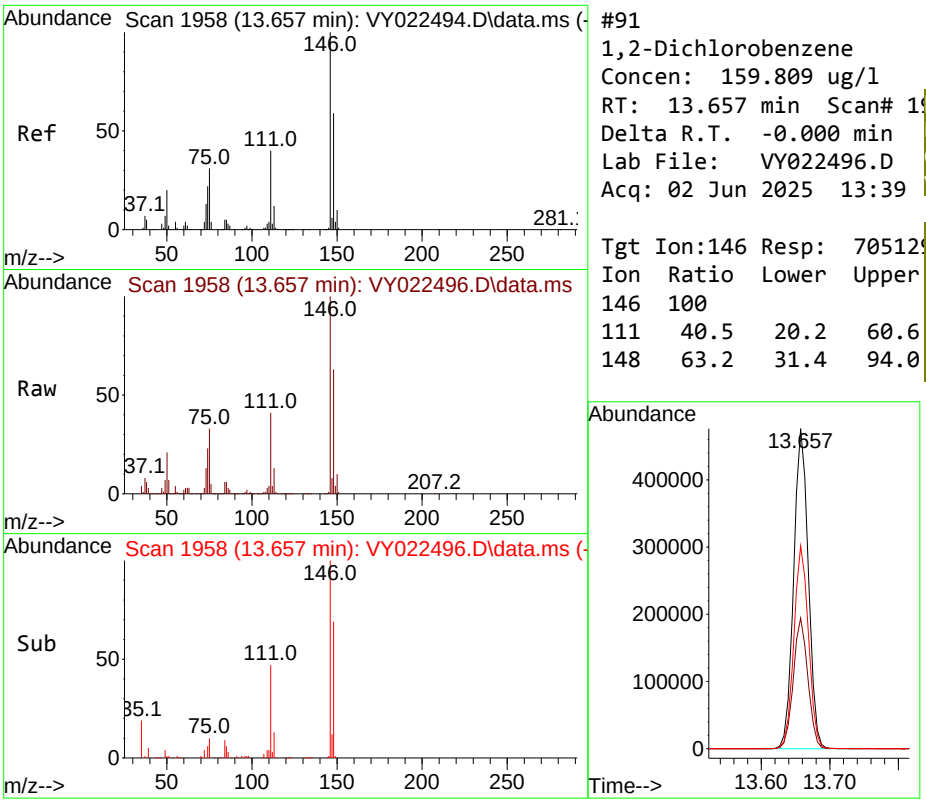


#90
Hexachloroethane
Concen: 160.801 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 338845

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 159.809 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 70512

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.2	31.4	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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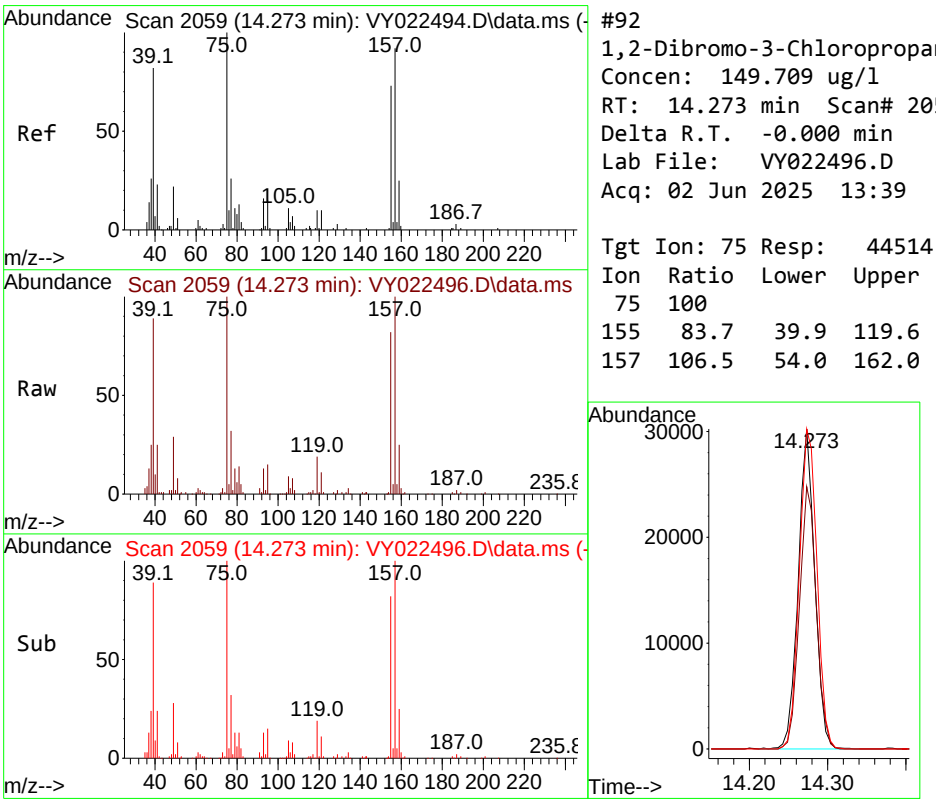
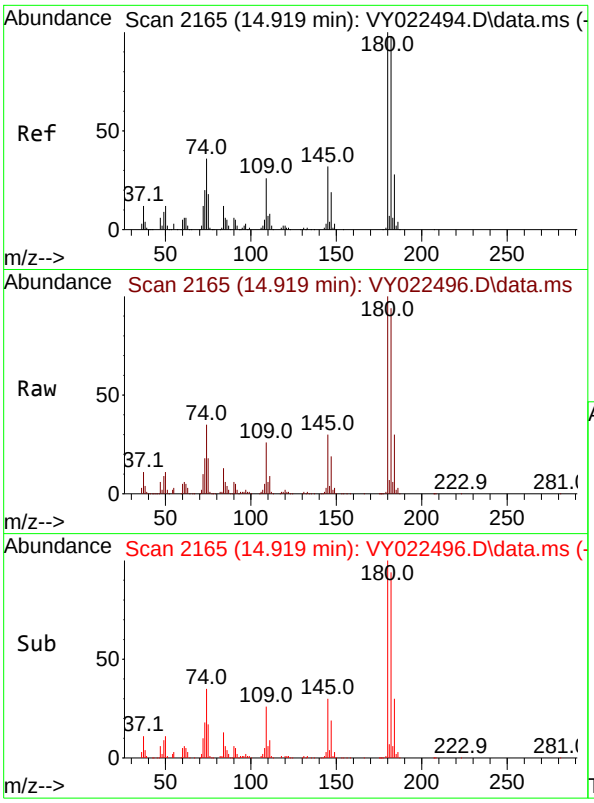
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 149.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 44514

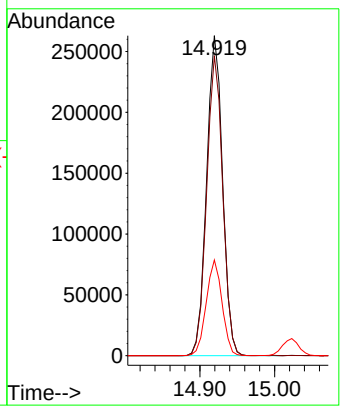
Ion	Ratio	Lower	Upper
75	100		
155	83.7	39.9	119.6
157	106.5	54.0	162.0



#93
1,2,4-Trichlorobenzene
Concen: 161.773 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 39017

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.3
145	29.7	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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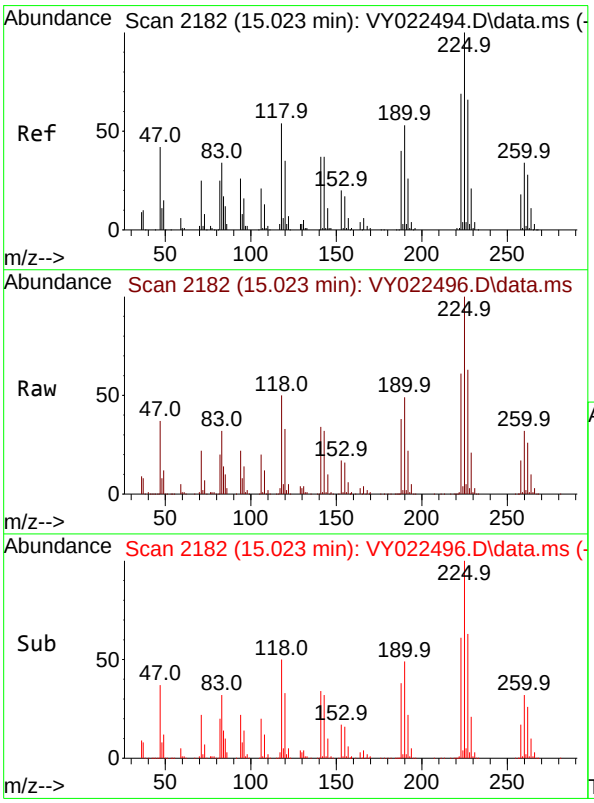
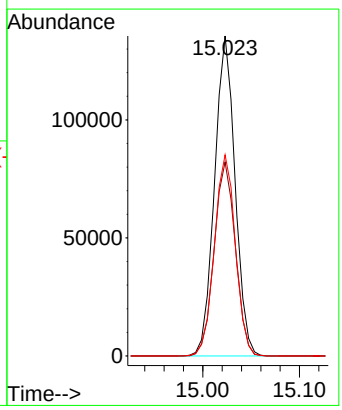
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

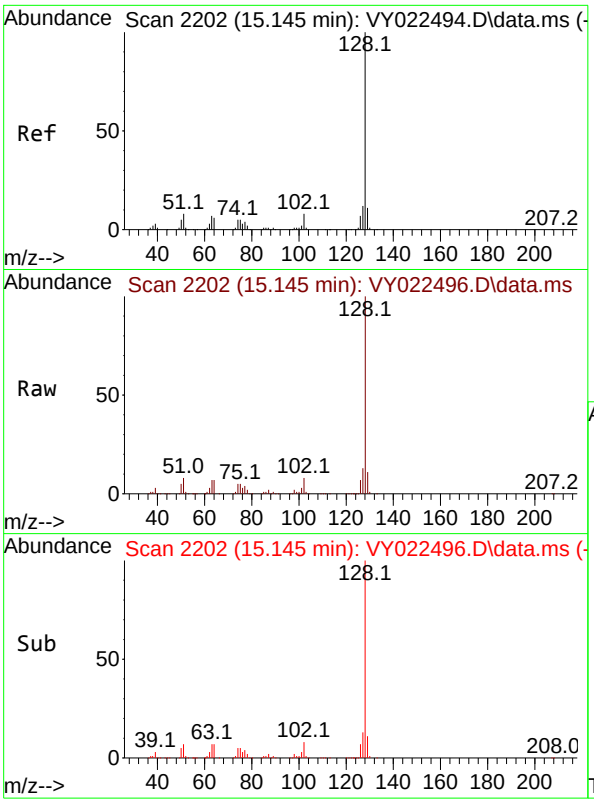


#94
Hexachlorobutadiene
Concen: 151.389 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:225 Resp: 199423

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.4
227	64.2	32.3	96.9

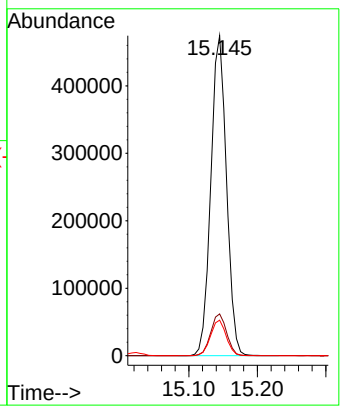




#95
Naphthalene
Concen: 162.970 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:128 Resp: 75327

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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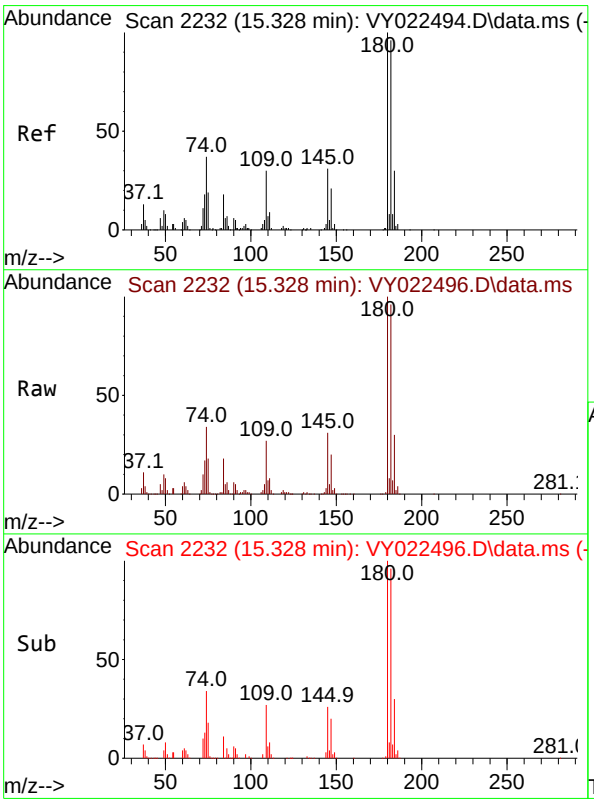
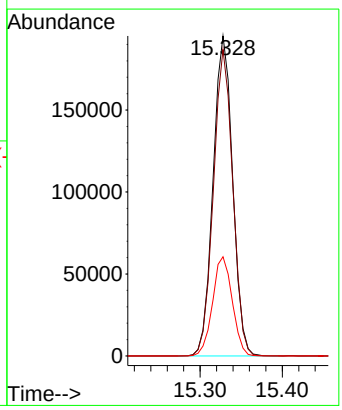
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.072 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 321960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	31.3	15.2	45.6



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Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134 ug/l	99
42) 1,2-Dichloroethane	8.158	62	130161	45.644 ug/l	98
43) Isopropyl Acetate	8.201	43	150263	44.122 ug/l #	88
44) Trichloroethene	8.866	130	118971	46.609 ug/l	97
45) 1,2-Dichloropropane	9.140	63	114988	46.587 ug/l	96
46) Dibromomethane	9.231	93	64473	46.430 ug/l	98
47) Bromodichloromethane	9.427	83	164872	46.825 ug/l	100
48) Methyl methacrylate	9.219	41	70644	44.198 ug/l	98
49) 1,4-Dioxane	9.231	88	13433	816.553 ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250 ug/l	98
52) Toluene	10.170	92	309375	47.137 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094 ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953 ug/l	96
56) Ethyl methacrylate	10.439	69	115237	45.029 ug/l	99
57) 1,3-Dichloropropane	10.719	76	143407	45.696 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746 ug/l	99
59) 2-Hexanone	10.762	43	249926	220.088 ug/l	99
60) Dibromochloromethane	10.914	129	101515	45.114 ug/l	100
61) 1,2-Dibromoethane	11.018	107	74173	45.960 ug/l	97
64) Tetrachloroethene	10.646	164	121944	45.398 ug/l	98
65) Chlorobenzene	11.444	112	317533	45.953 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464 ug/l	98
67) Ethyl Benzene	11.518	91	605560	47.248 ug/l	99
68) m/p-Xylenes	11.633	106	454148	93.473 ug/l	100
69) o-Xylene	11.957	106	209354	45.959 ug/l	98
70) Styrene	11.969	104	352505	46.815 ug/l	98
71) Bromoform	12.133	173	55559	44.852 ug/l #	98
73) Isopropylbenzene	12.255	105	559690	46.933 ug/l	100
74) N-amyl acetate	12.072	43	136915	45.502 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103 ug/l	
77) Bromobenzene	12.536	156	114771	45.607 ug/l	100
78) n-propylbenzene	12.597	91	680155	46.696 ug/l	99
79) 2-Chlorotoluene	12.682	91	358756	46.472 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968 ug/l	100
82) 4-Chlorotoluene	12.780	91	368631	46.289 ug/l	100
83) tert-Butylbenzene	12.999	119	400440	47.655 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735 ug/l	99
85) sec-Butylbenzene	13.176	105	607968	47.241 ug/l	100
86) p-Isopropyltoluene	13.292	119	501979	47.321 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113 ug/l	98
89) n-Butylbenzene	13.621	91	482774	47.968 ug/l	100
90) Hexachloroethane	13.883	117	97273	47.101 ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665 ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481 ug/l	97
94) Hexachlorobutadiene	15.023	225	59236	45.457 ug/l	98
95) Naphthalene	15.145	128	203925	45.009 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

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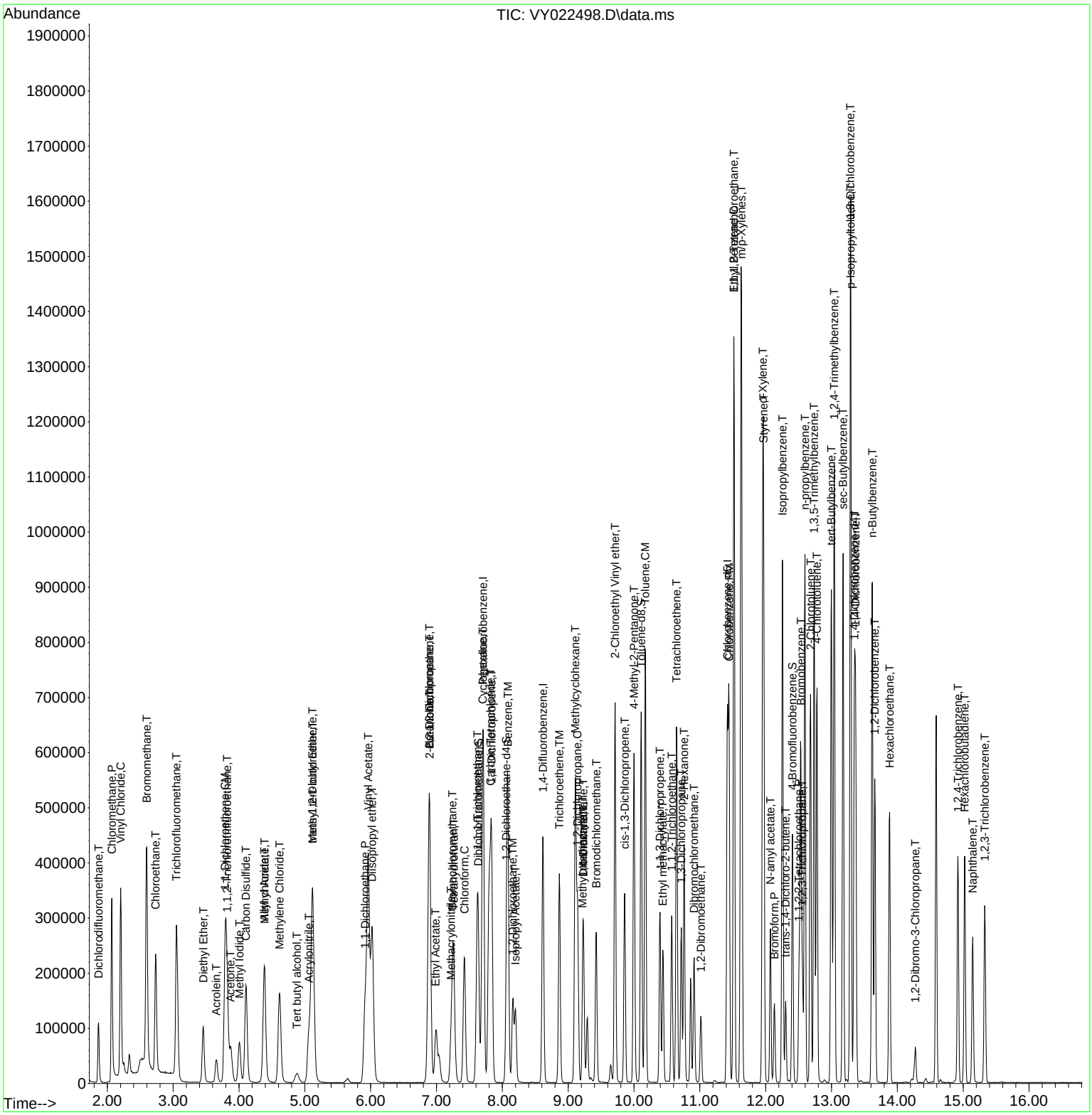
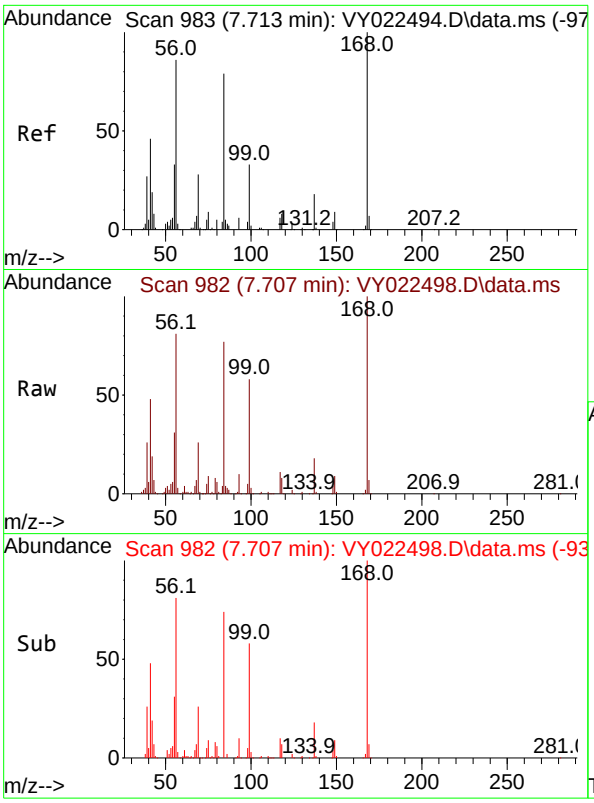
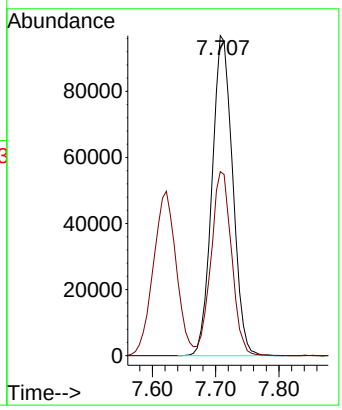




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:168 Resp: 21924

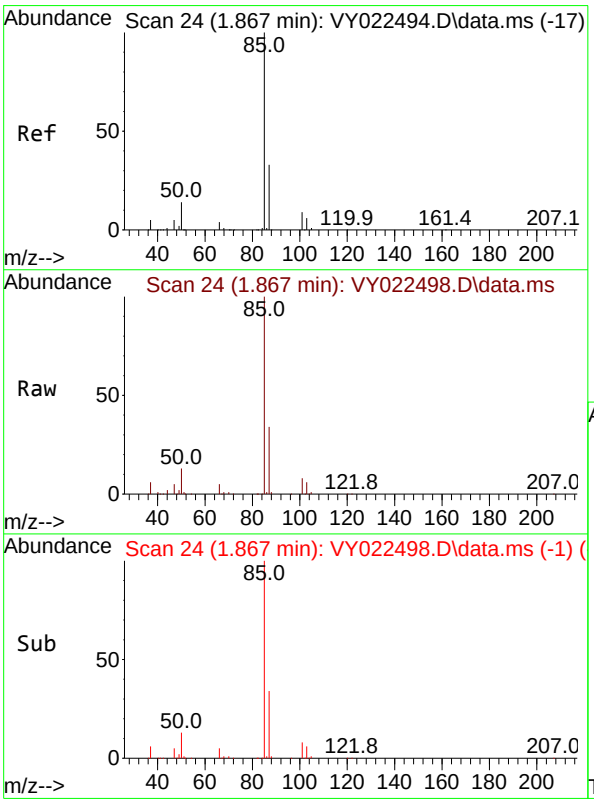
Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

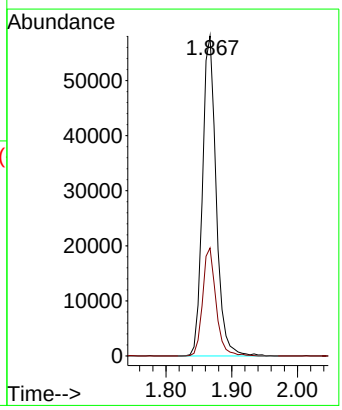
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

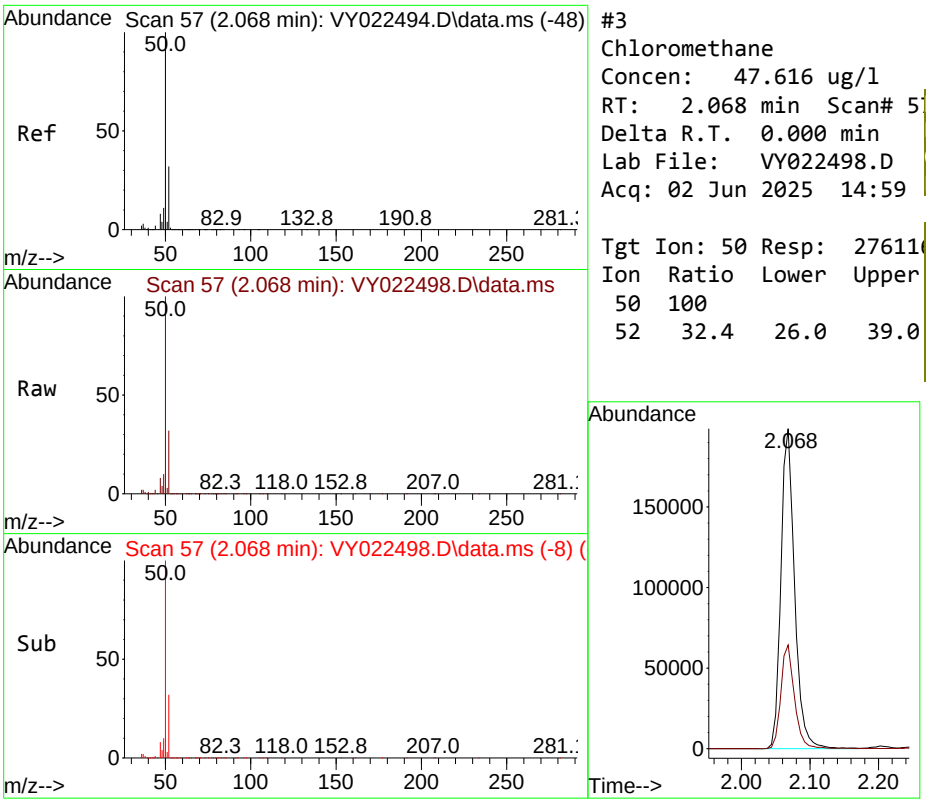


#2
Dichlorodifluoromethane
Concen: 42.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 85 Resp: 84059

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0





#3
Chloromethane
Concen: 47.616 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

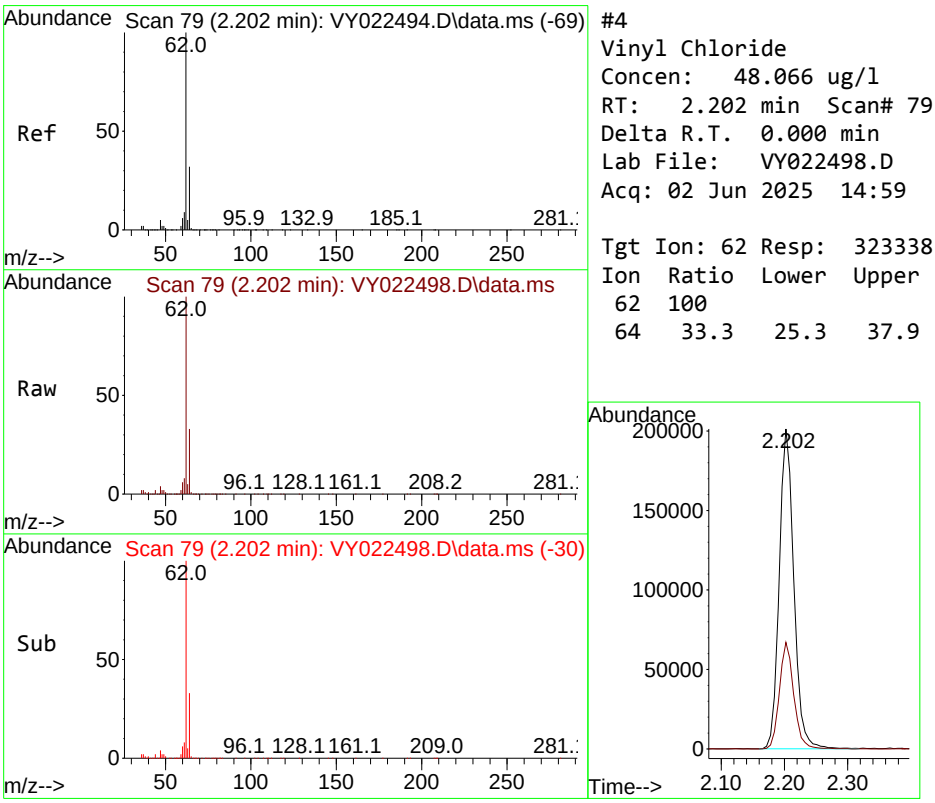
Tgt Ion: 50 Resp: 27611

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

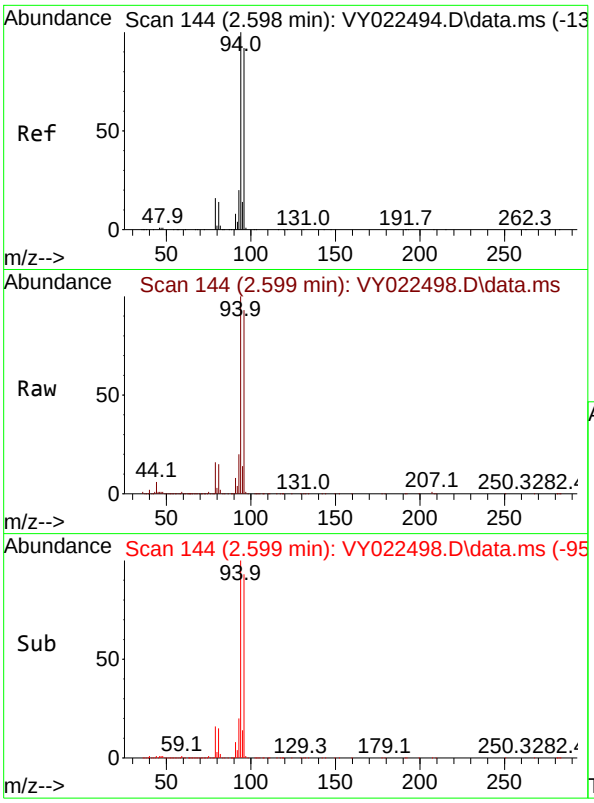
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 48.066 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 323338

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9



#5
Bromomethane
Concen: 42.515 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

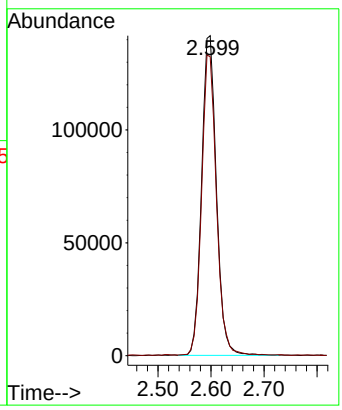
Tgt Ion: 94 Resp: 27412

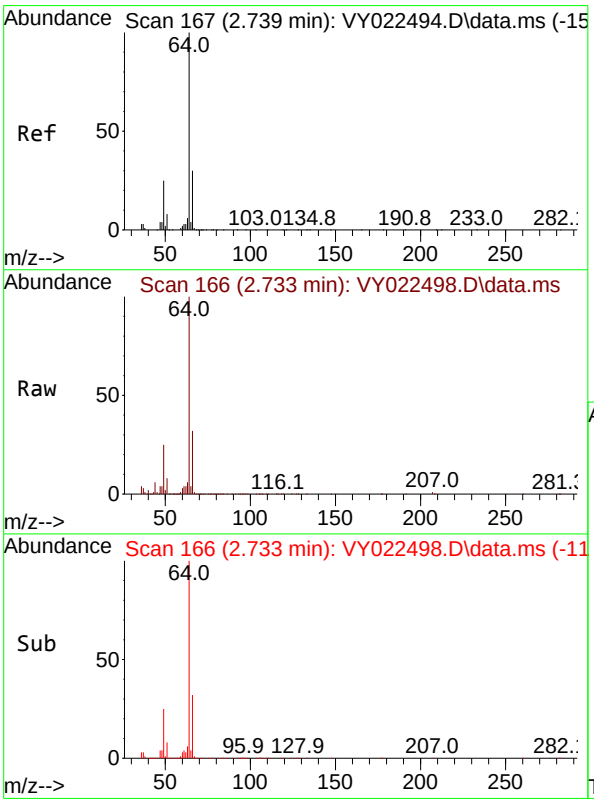
Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

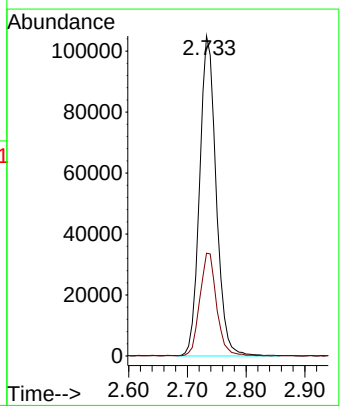


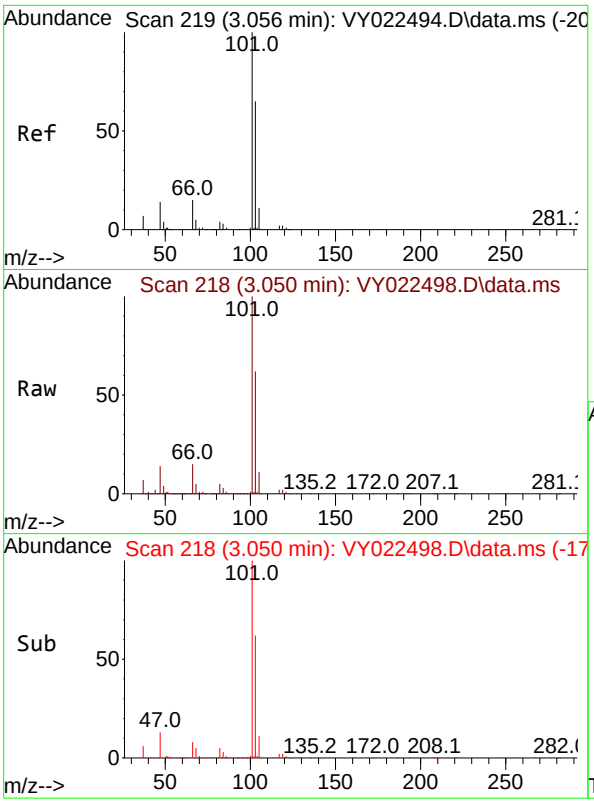


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 64 Resp: 205816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.8	35.6

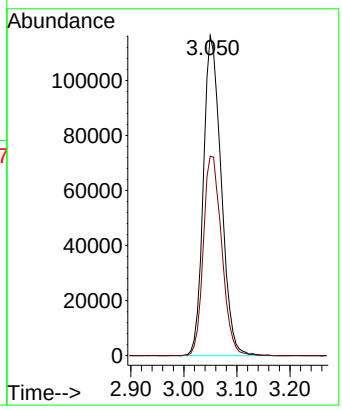




#7
Trichlorofluoromethane
Concen: 47.475 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:101 Resp: 27112

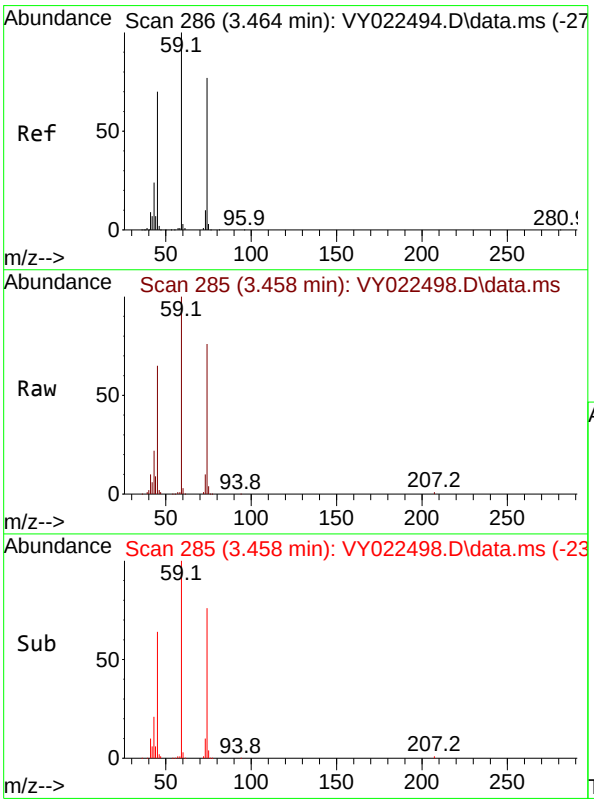
Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

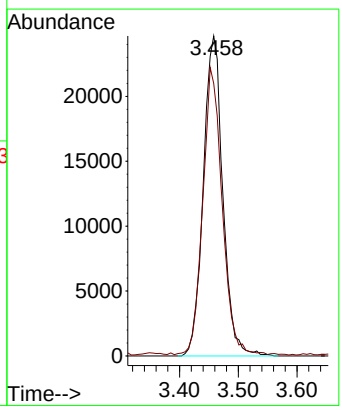
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

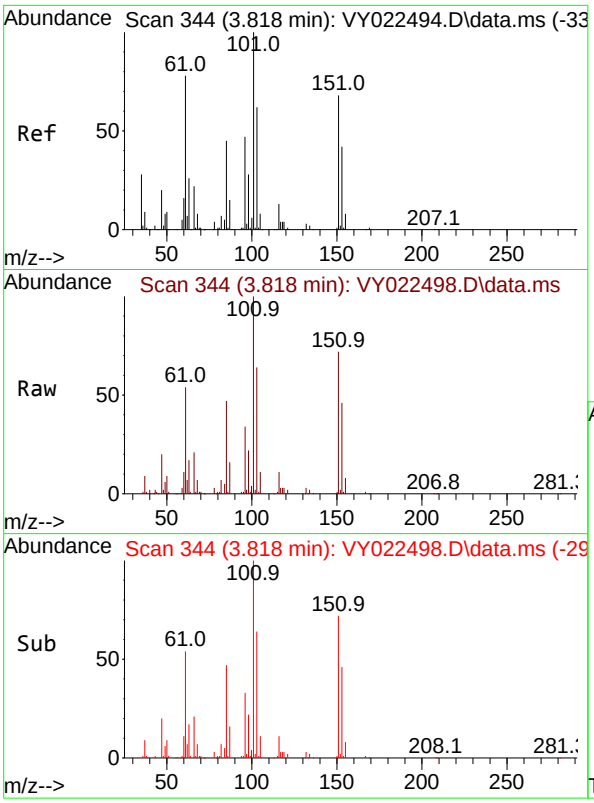


#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 74 Resp: 56906

Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:101 Resp: 10878

Ion	Ratio	Lower	Upper
101	100		
85	49.7	39.3	58.9
151	71.8	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
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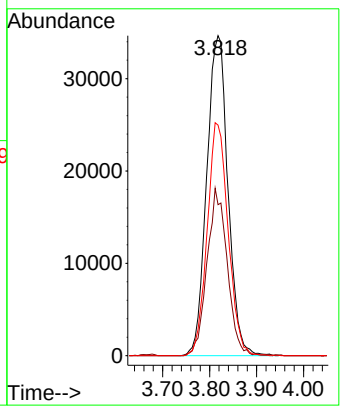
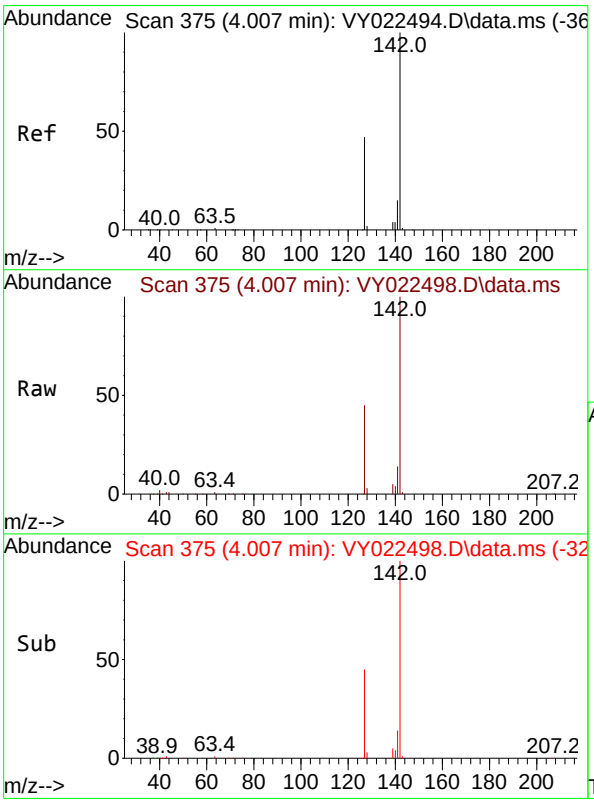
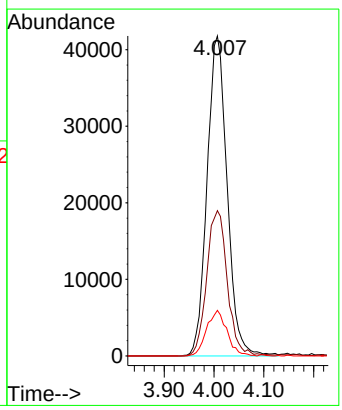


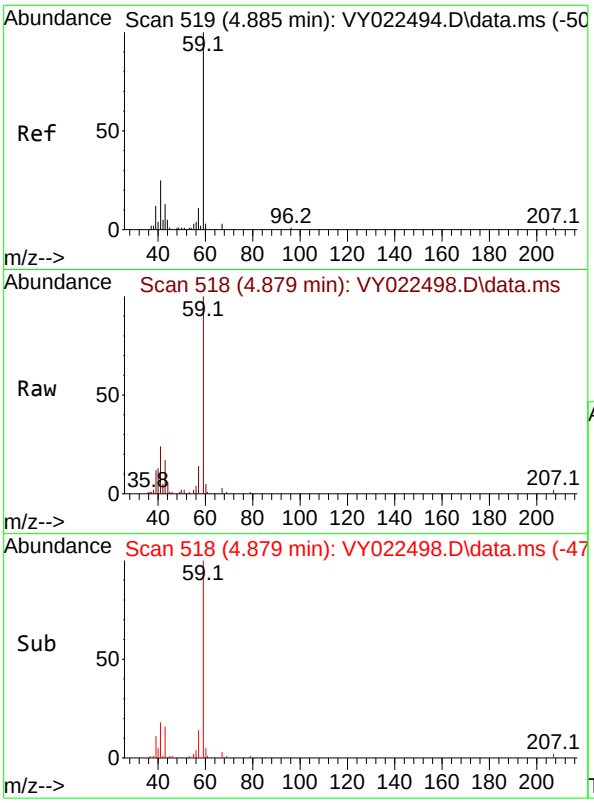


#10
Methyl Iodide
Concen: 44.885 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:142 Resp: 116830

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.5	11.4	17.2

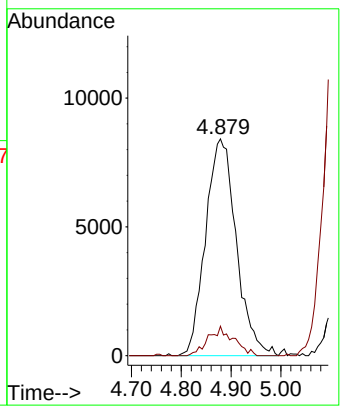




#11
Tert butyl alcohol
Concen: 205.761 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 59 Resp: 3603

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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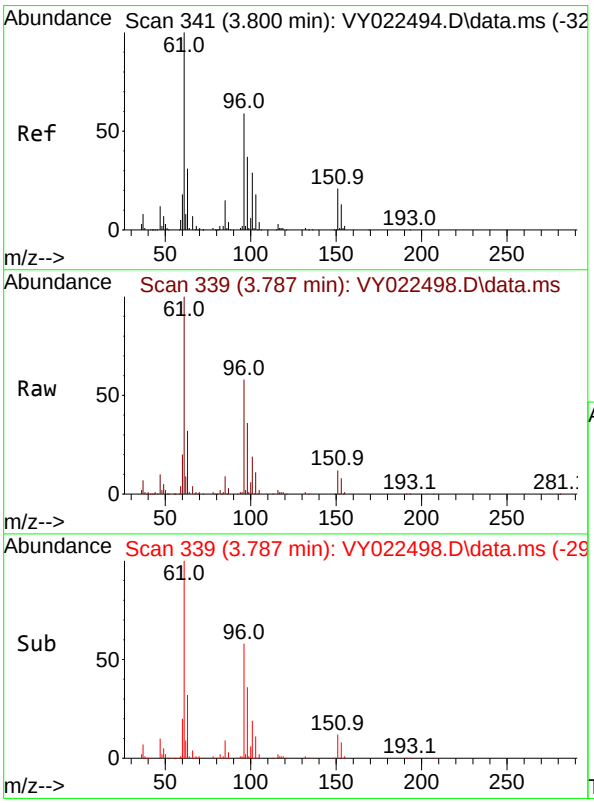
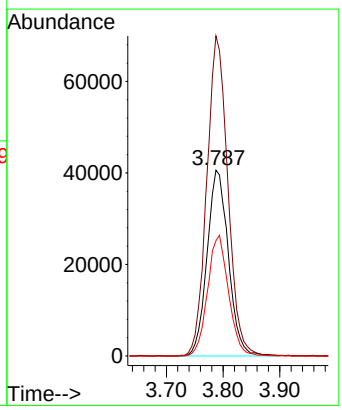
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

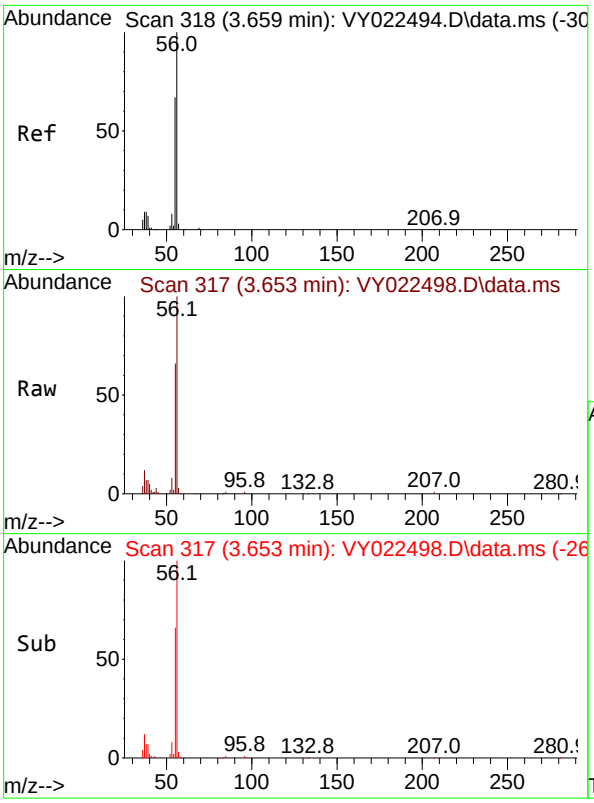


#12
1,1-Dichloroethene
Concen: 46.234 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	172.2	134.6	201.8
98	62.0	50.2	75.4

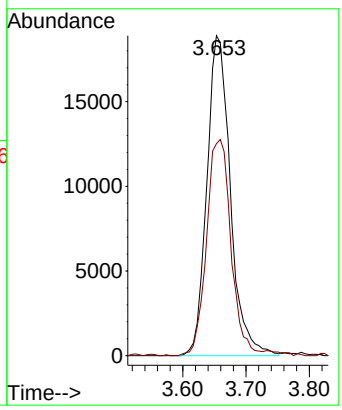




#13
Acrolein
Concen: 223.473 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 56 Resp: 4877

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
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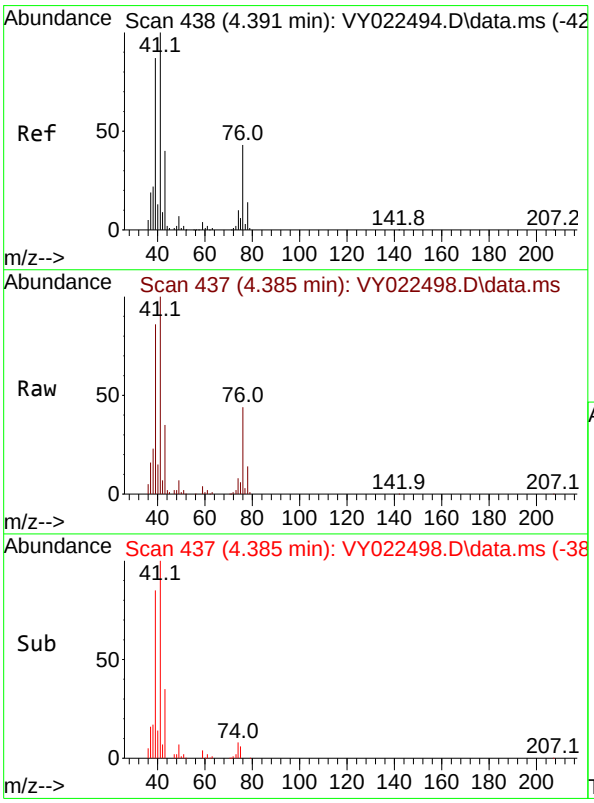
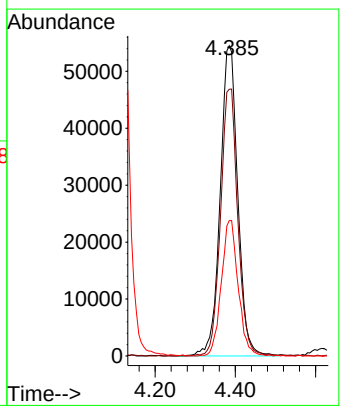
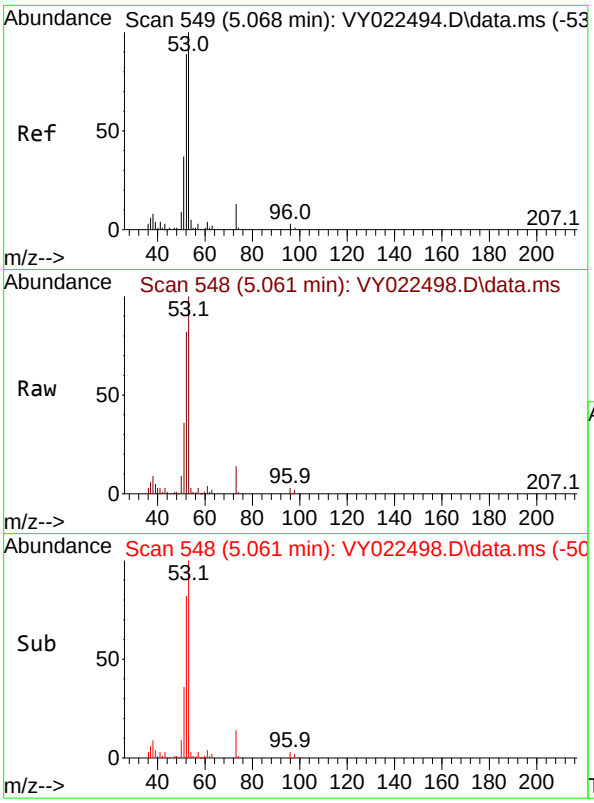


#14
Allyl chloride
Concen: 45.834 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 165428

Ion	Ratio	Lower	Upper
41	100		
39	84.5	69.1	103.7
76	41.9	33.5	50.3

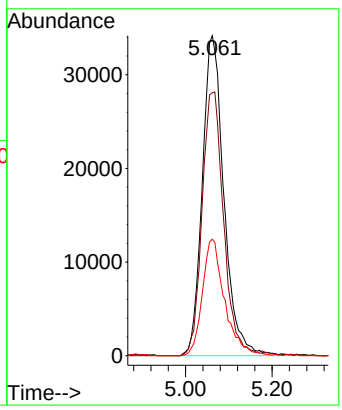




#15
Acrylonitrile
Concen: 216.963 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 53 Resp: 11817

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.5	30.1	45.1



Instrument :
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ClientSampleId :
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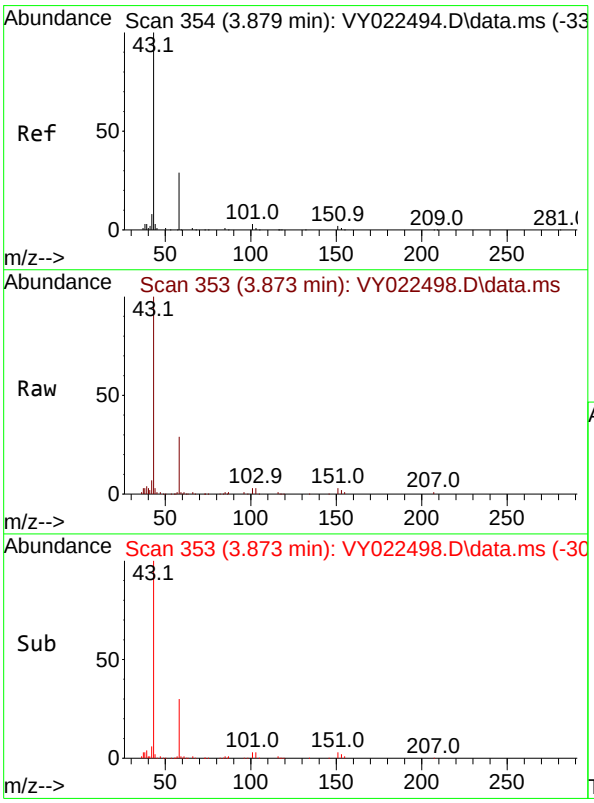
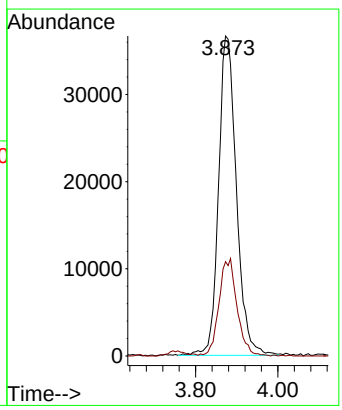
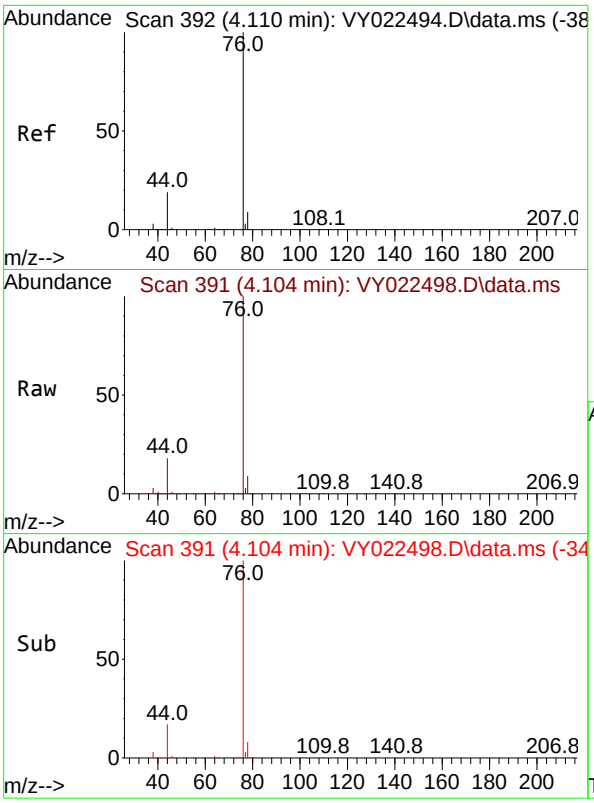


#16
Acetone
Concen: 221.854 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 110479

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.0	36.0





#17
Carbon Disulfide
Concen: 46.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 76 Resp: 34177

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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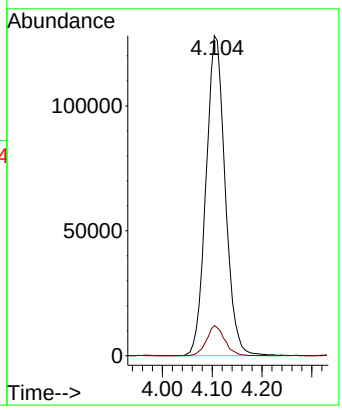
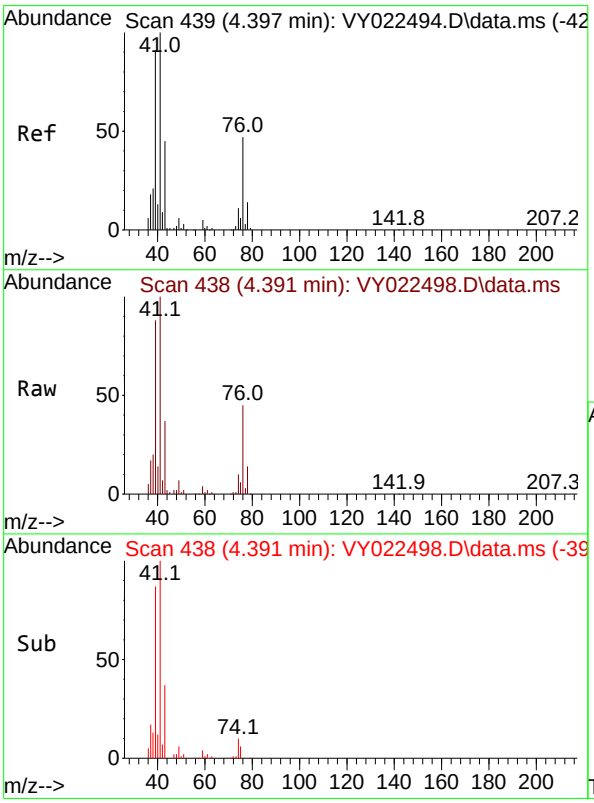
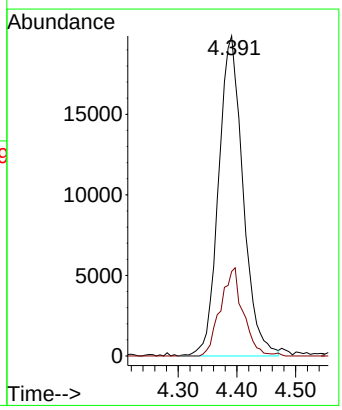


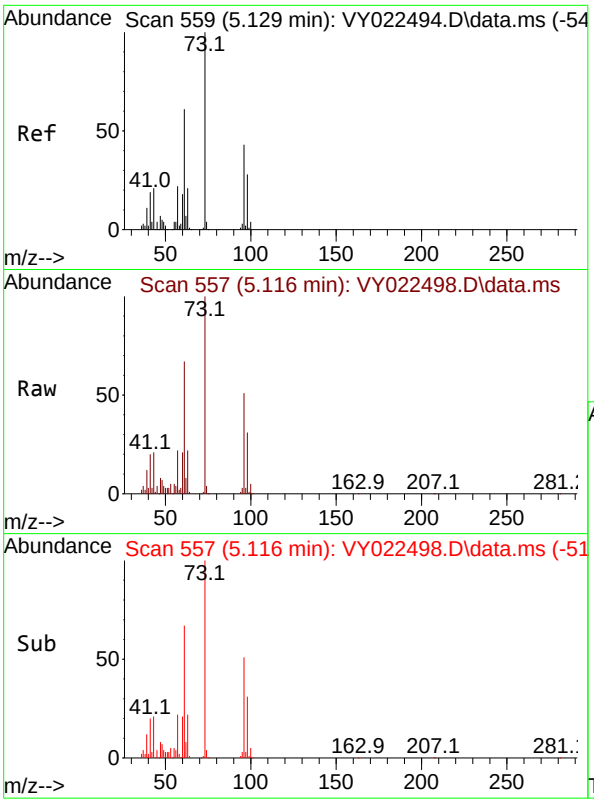


#18
Methyl Acetate
Concen: 38.935 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 57416

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6

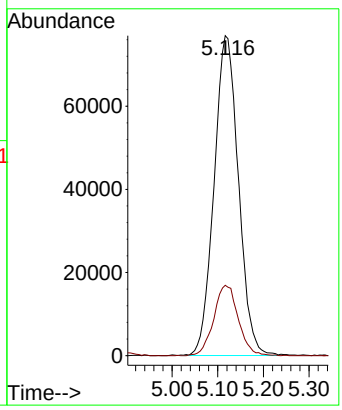




#19
Methyl tert-butyl Ether
Concen: 43.974 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 73 Resp: 28476

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



Instrument :
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ClientSampleId :
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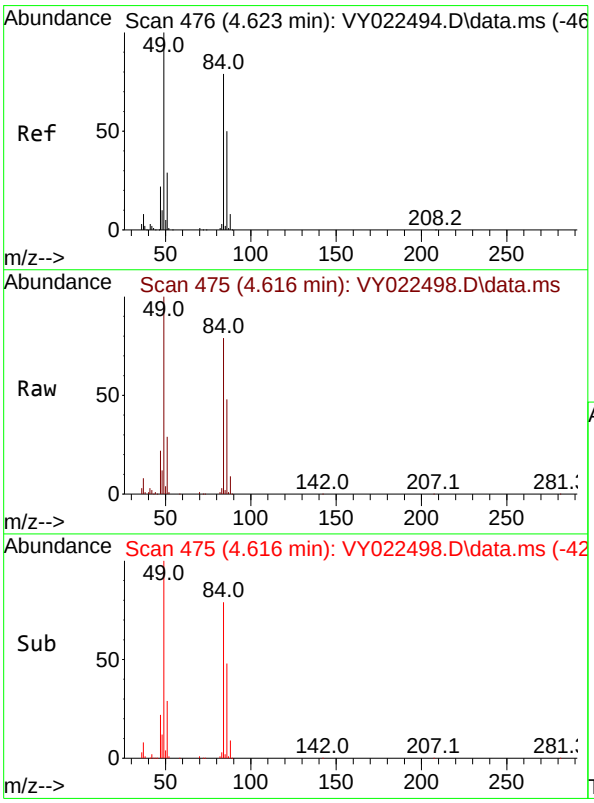
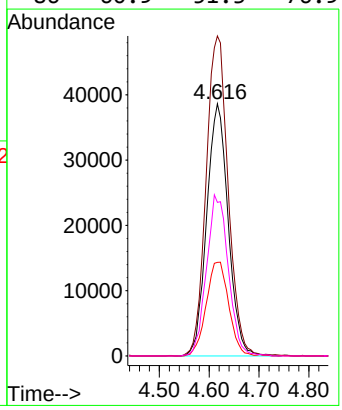
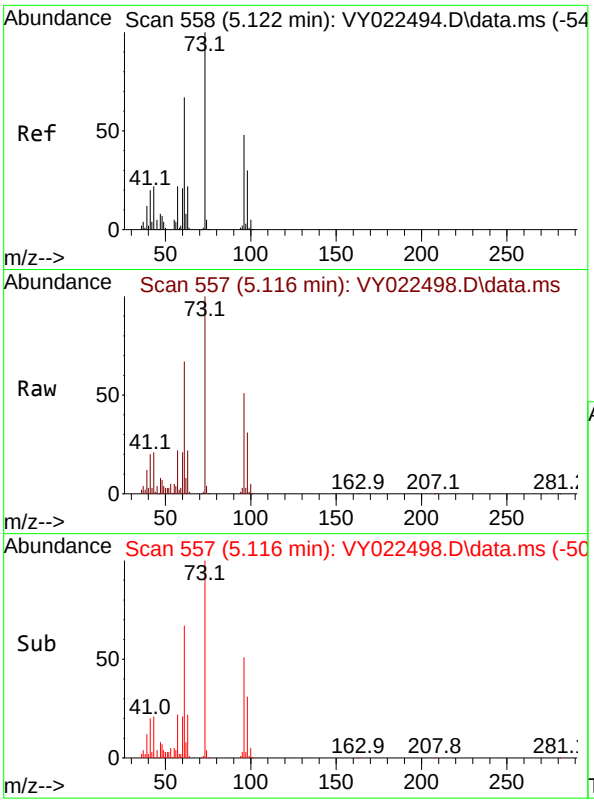


#20
Methylene Chloride
Concen: 40.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 84 Resp: 115624

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.9	152.9
51	37.1	29.8	44.8
86	60.9	51.3	76.9

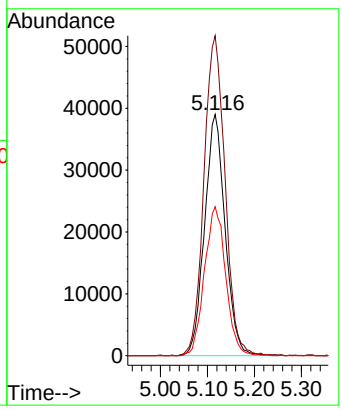




#21
trans-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 11842

Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	169.0
98	61.8	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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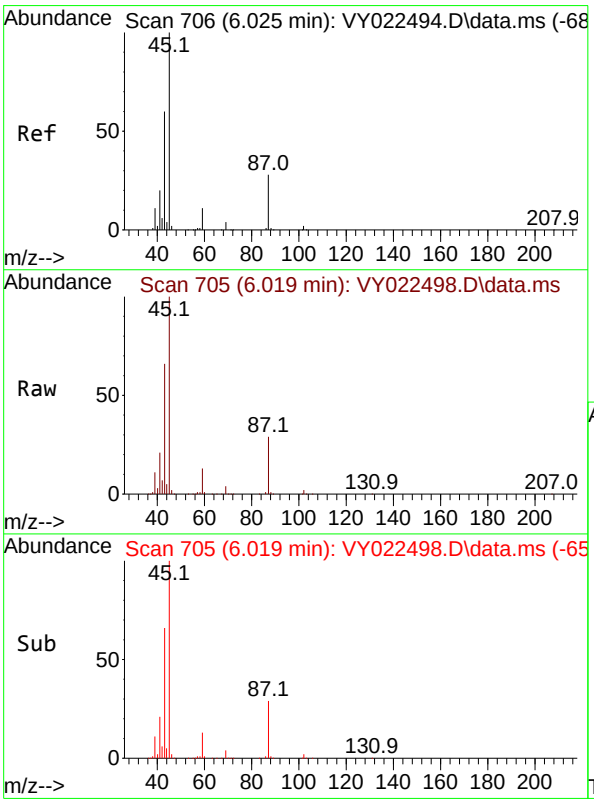
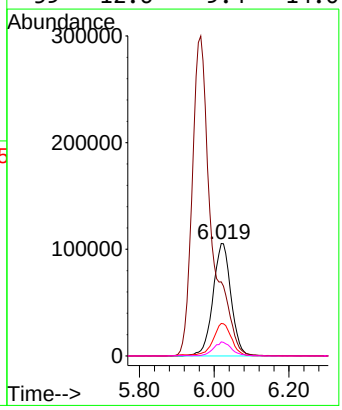
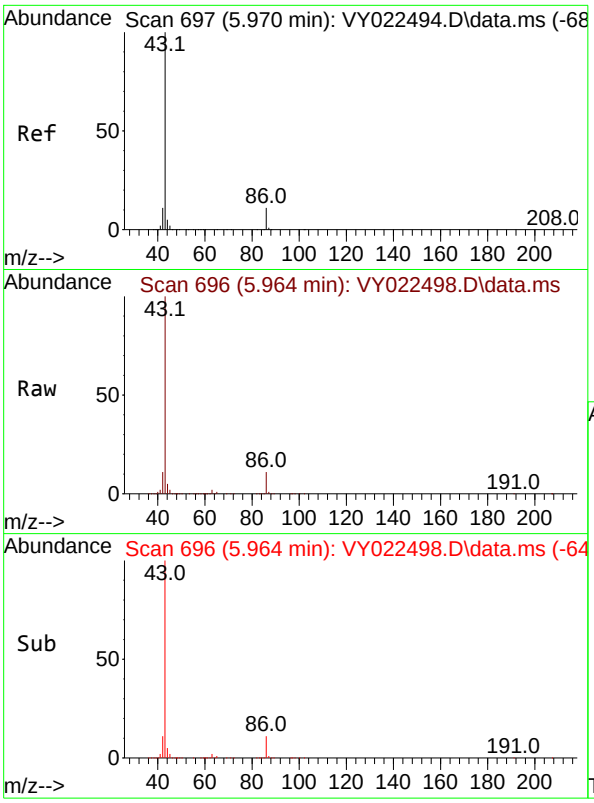


#22
Diisopropyl ether
Concen: 44.104 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 45 Resp: 354328

Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.3	72.5
87	28.8	23.0	34.6
59	12.6	9.4	14.0

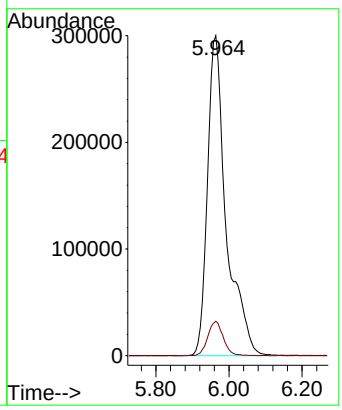




#23
Vinyl Acetate
Concen: 223.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 106489

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
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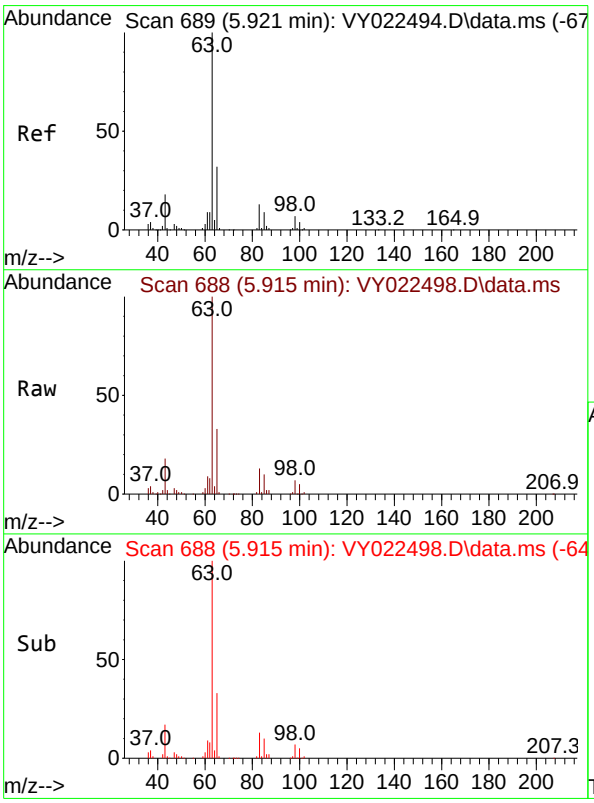
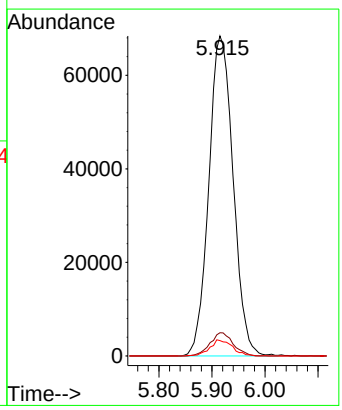
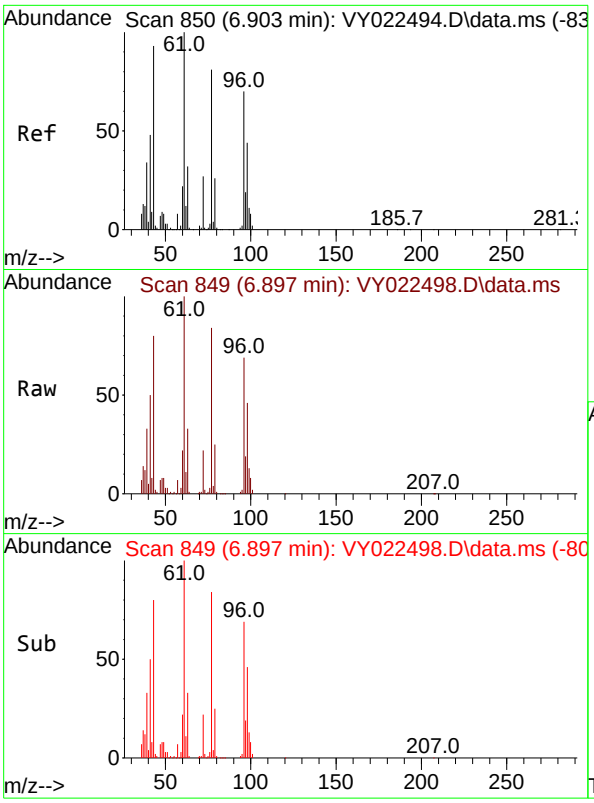


#24
1,1-Dichloroethane
Concen: 46.053 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 217965

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.8	2.1	6.3

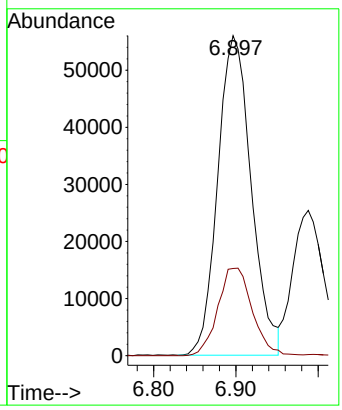




#25
2-Butanone
Concen: 220.736 ug/l
RT: 6.897 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 15855

Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.9	34.3



Instrument :
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ClientSampleId :
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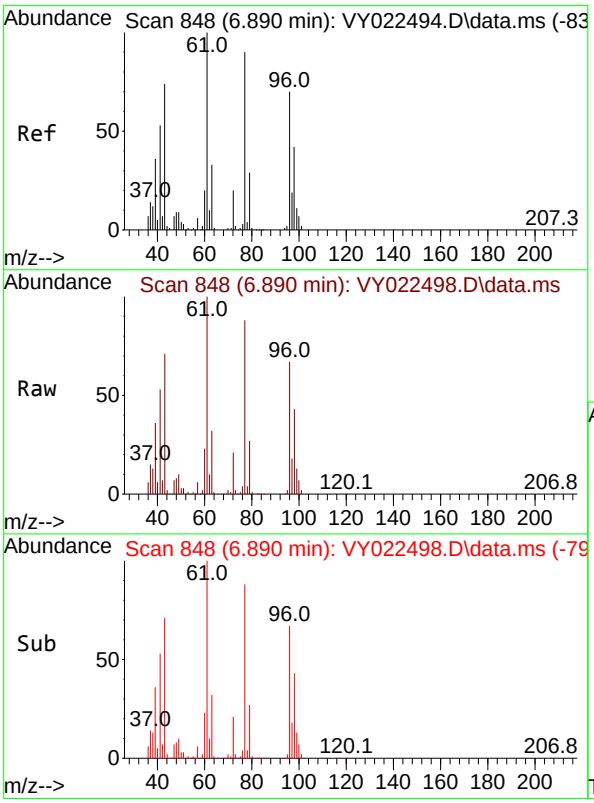
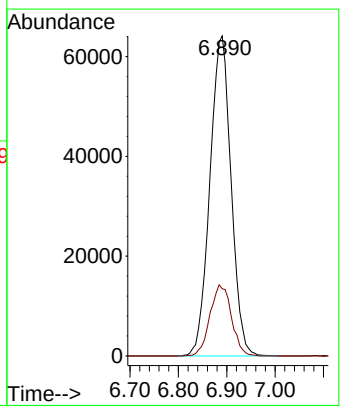
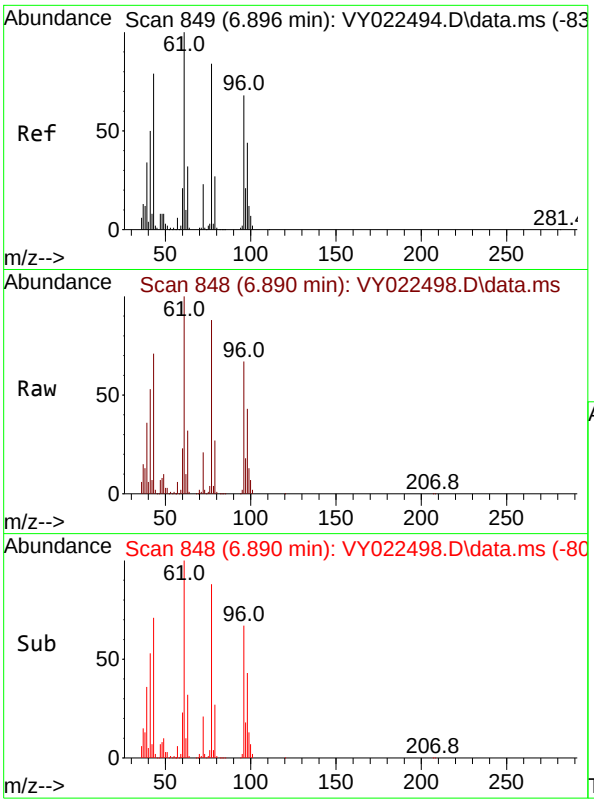


#26
2,2-Dichloropropane
Concen: 46.639 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 77 Resp: 195035

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.2

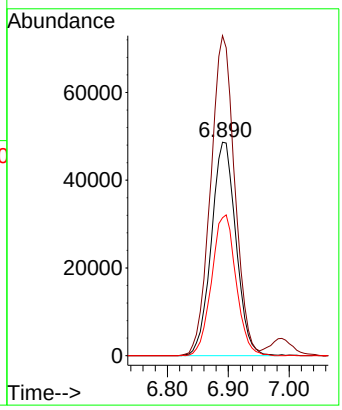




#27
cis-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 13688

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	65.3	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
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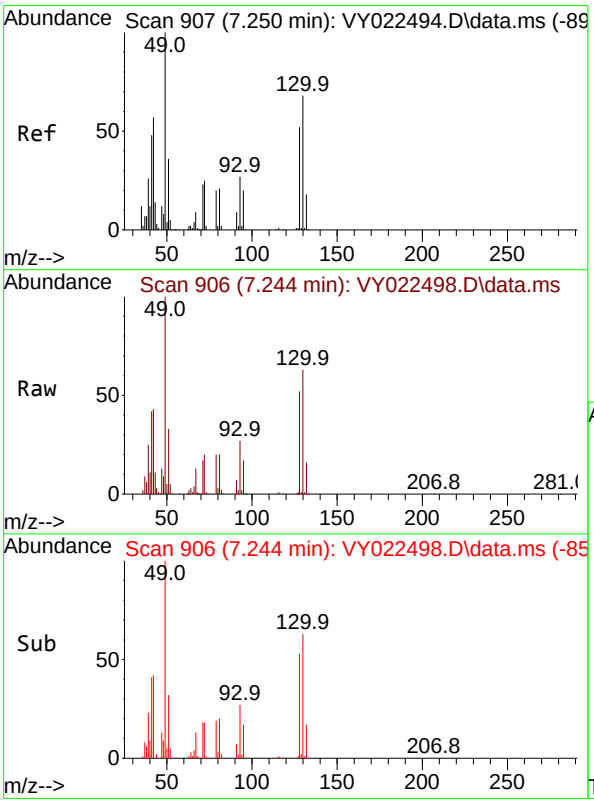
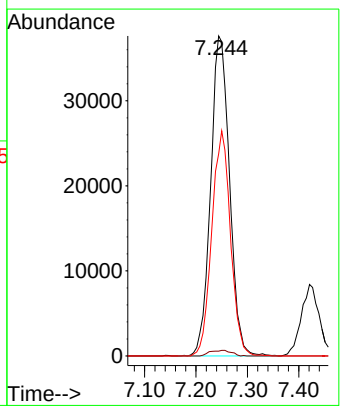
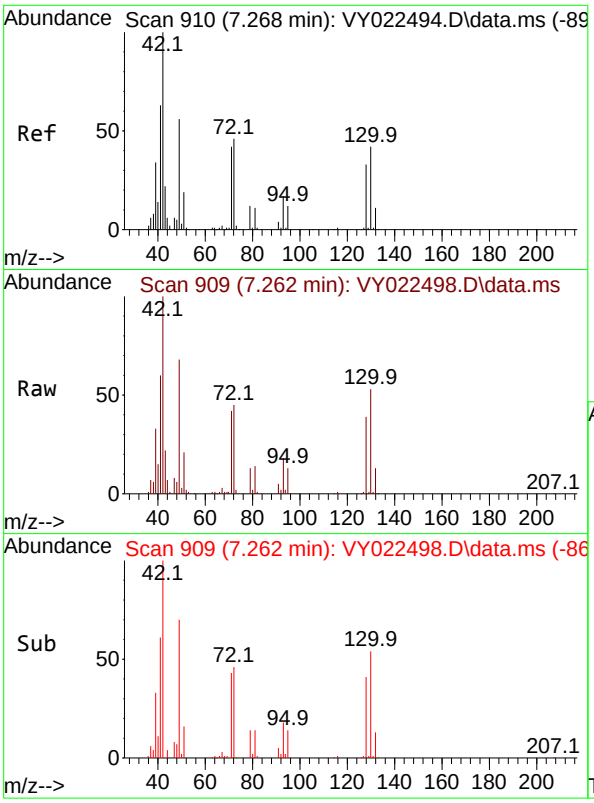


#28
Bromochloromethane
Concen: 46.547 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 49 Resp: 96031

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.6	55.7	83.5

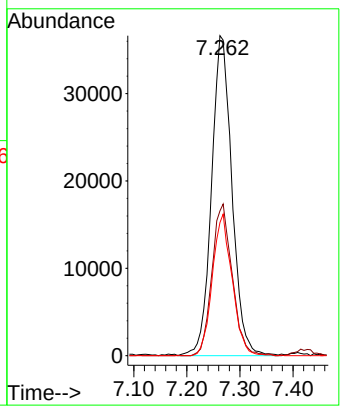




#29
Tetrahydrofuran
Concen: 211.767 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 42 Resp: 9810

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	42.7	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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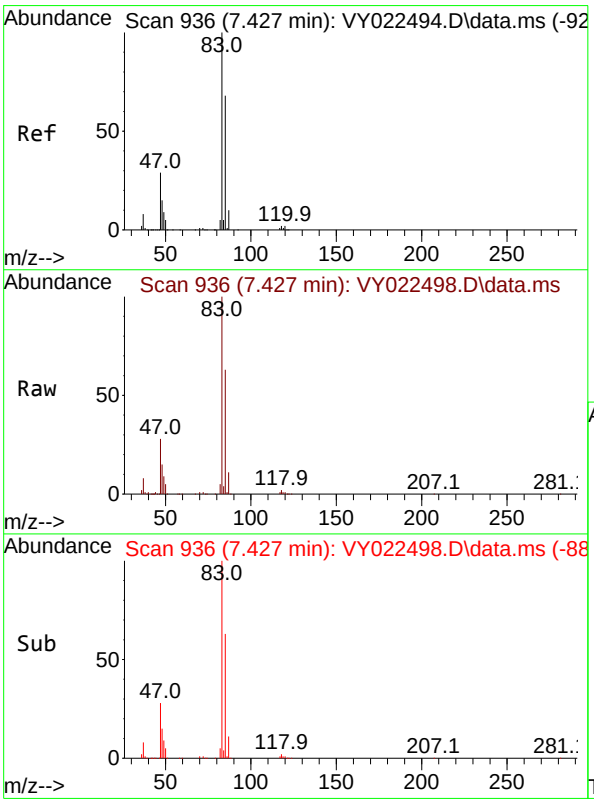
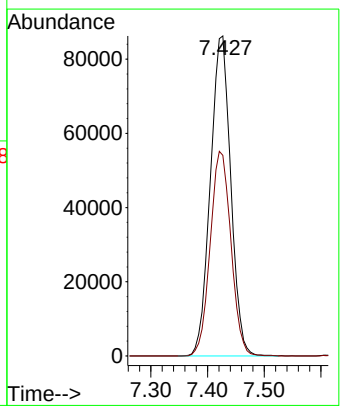
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

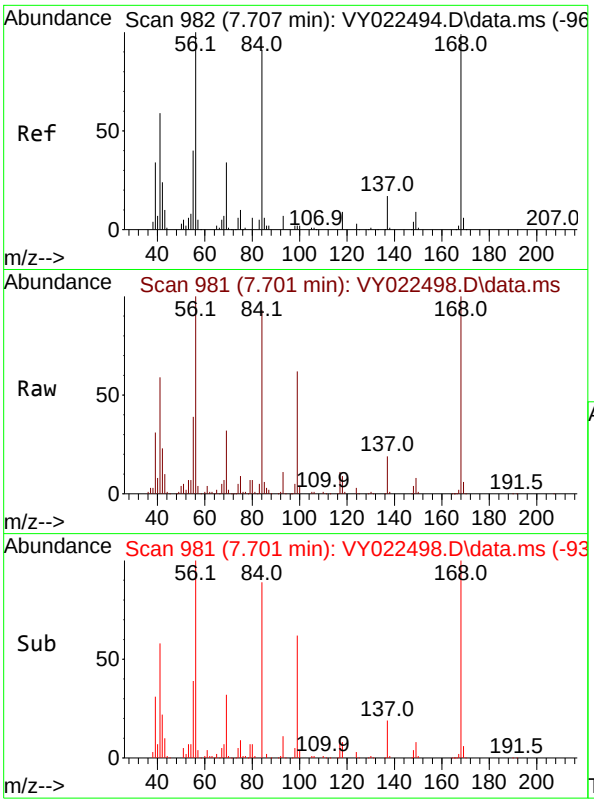


#30
Chloroform
Concen: 45.919 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 215264

Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4

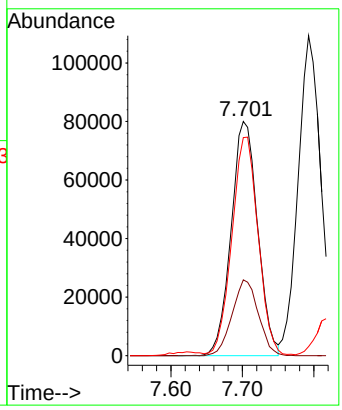




#31
Cyclohexane
Concen: 43.757 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 56 Resp: 20617

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.0	40.6
84	91.7	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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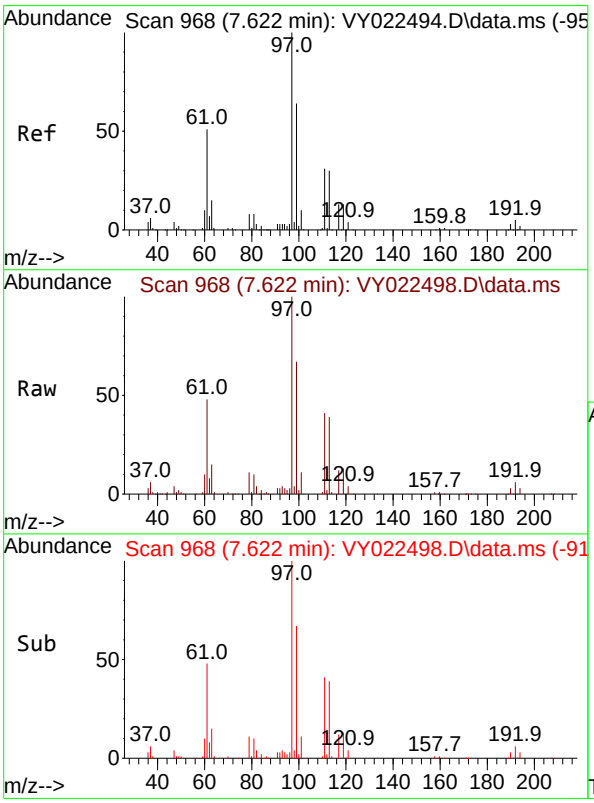
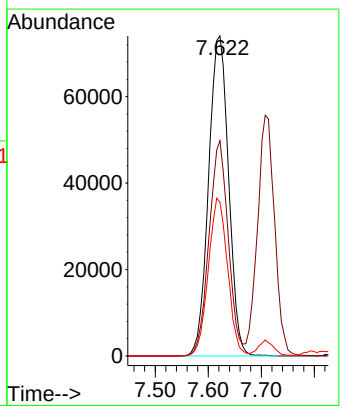
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

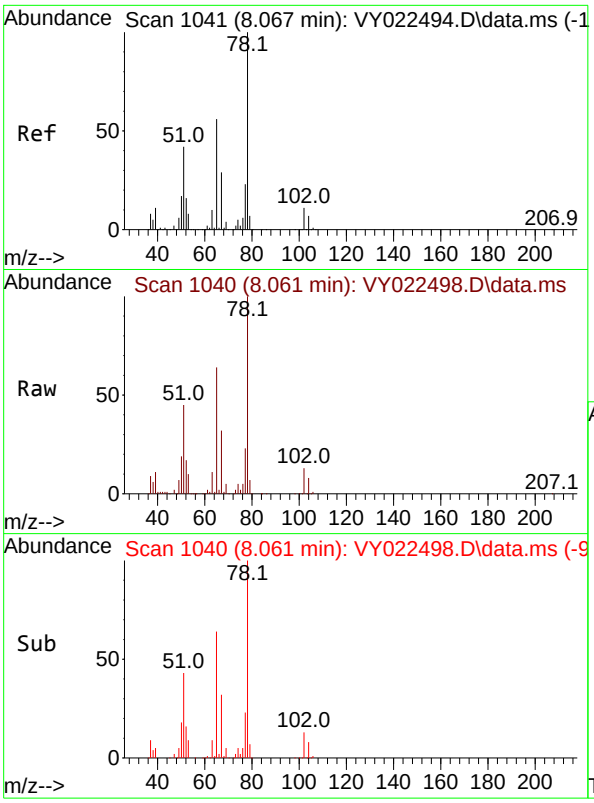


#32
1,1,1-Trichloroethane
Concen: 46.627 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 194039

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.8	38.5	57.7

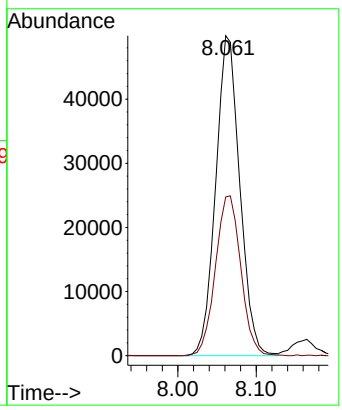




#33
1,2-Dichloroethane-d4
Concen: 43.538 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 65 Resp: 10675

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
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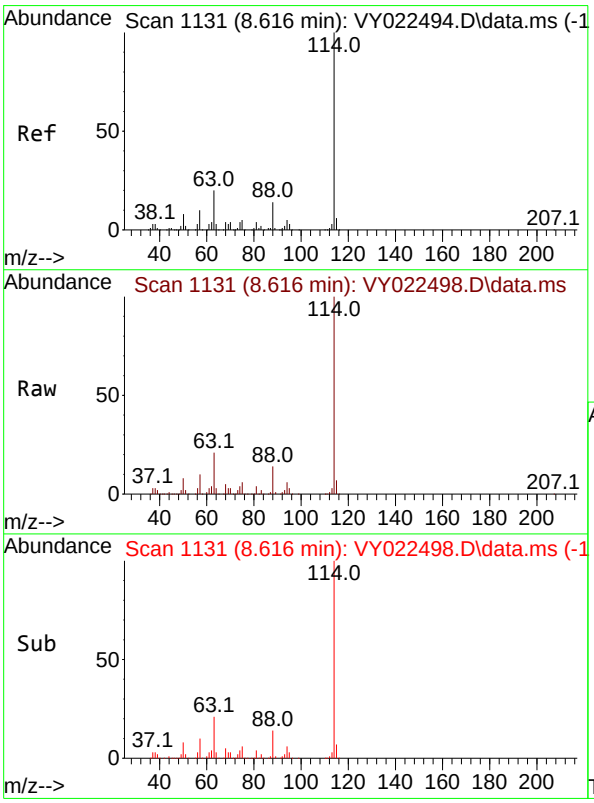
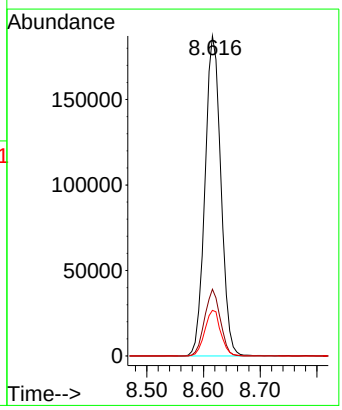
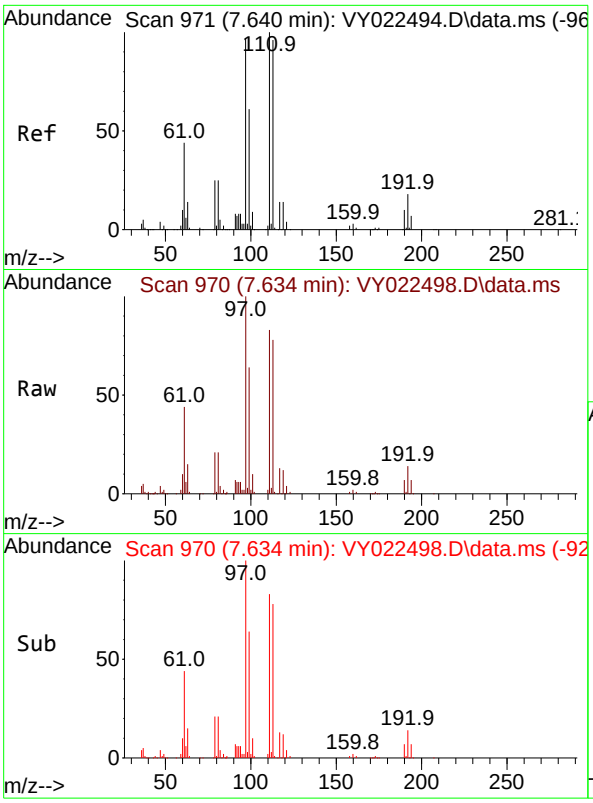


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:114 Resp: 365013

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.3	0.0	27.8

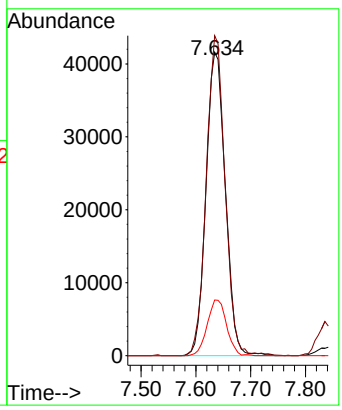




#35
Dibromofluoromethane
Concen: 46.676 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:113 Resp: 10169

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.4	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
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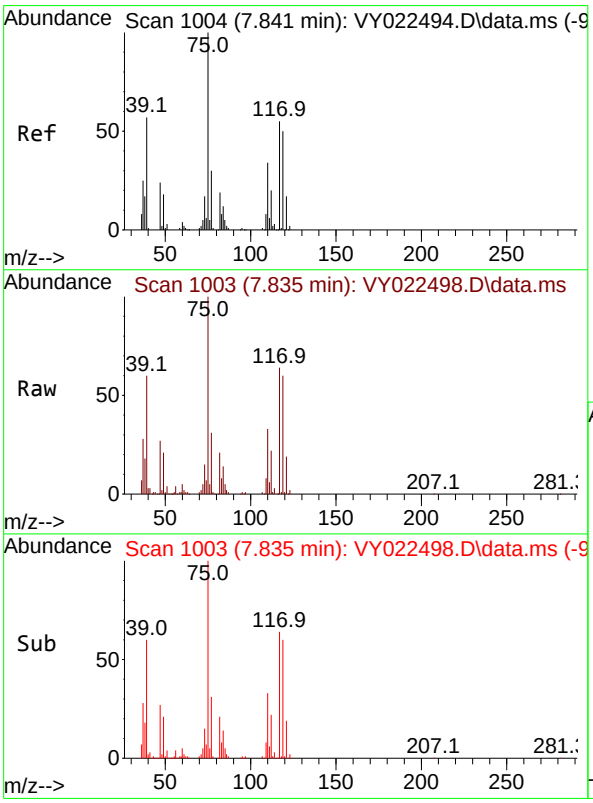
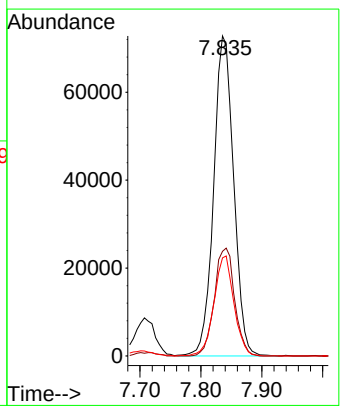
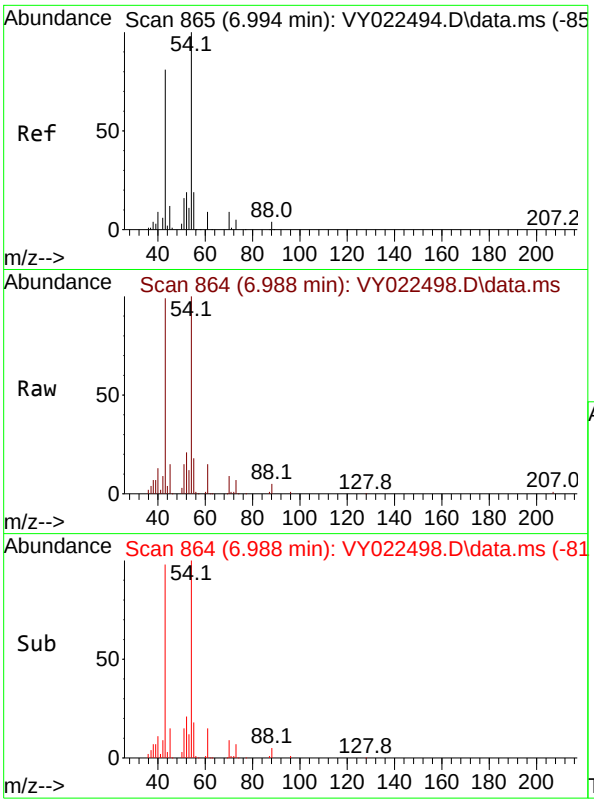


#36
1,1-Dichloropropene
Concen: 46.978 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 166116

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.2	24.8	37.2

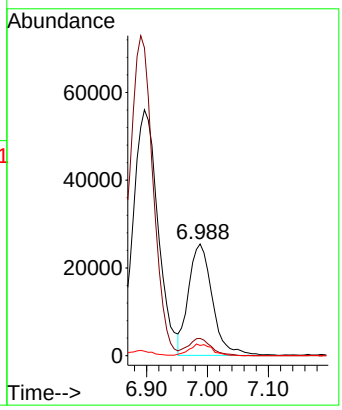




#37
Ethyl Acetate
Concen: 43.605 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 6876

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	10.1	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
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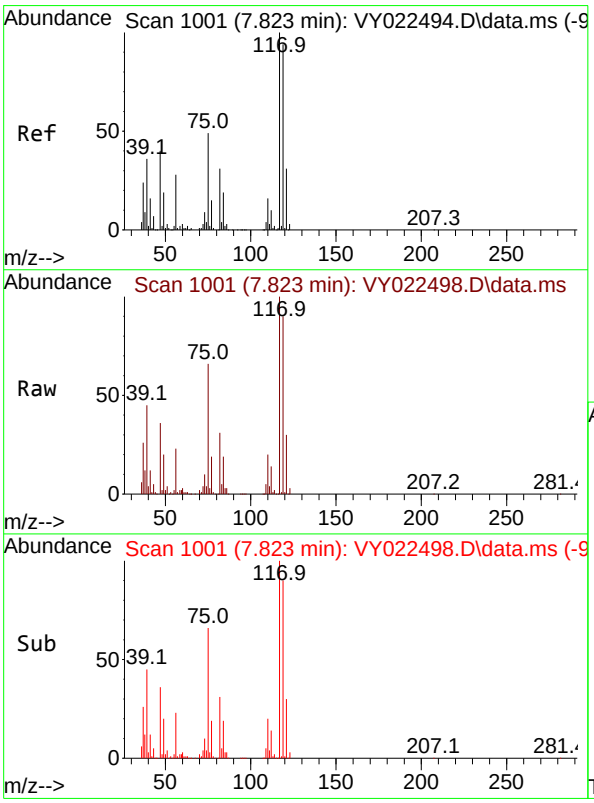
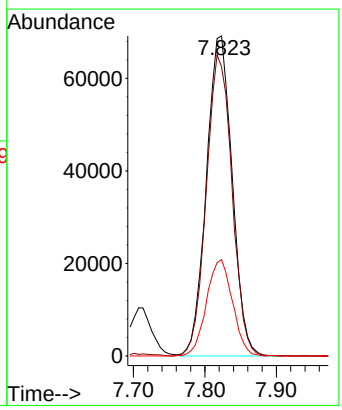
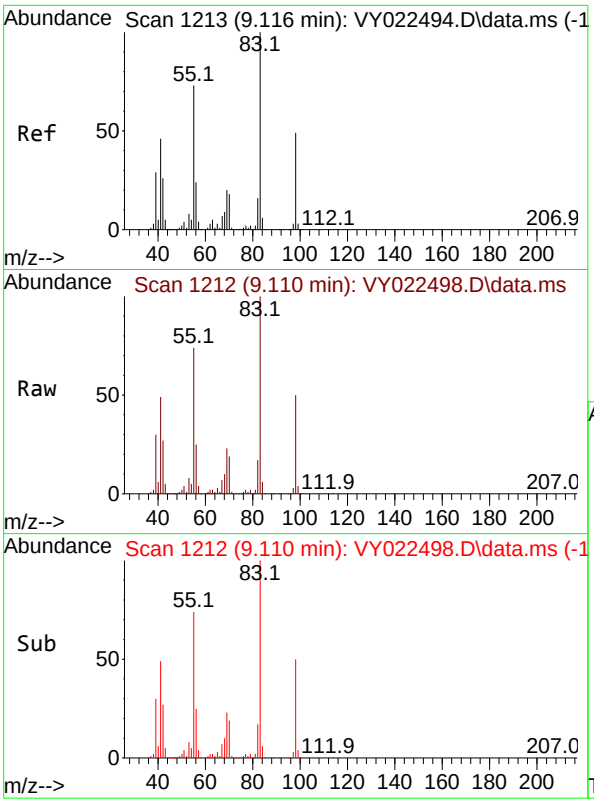


#38
Carbon Tetrachloride
Concen: 47.747 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 173199

Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.0	112.6
121	30.1	25.0	37.4





#39
Methylcyclohexane
Concen: 46.923 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 22297

Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.1	87.1
98	49.9	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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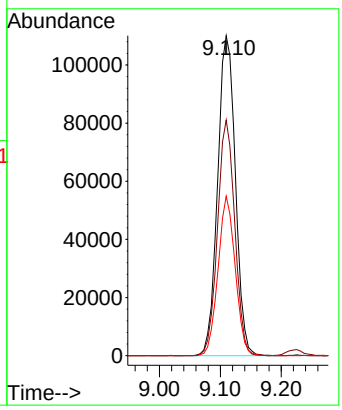
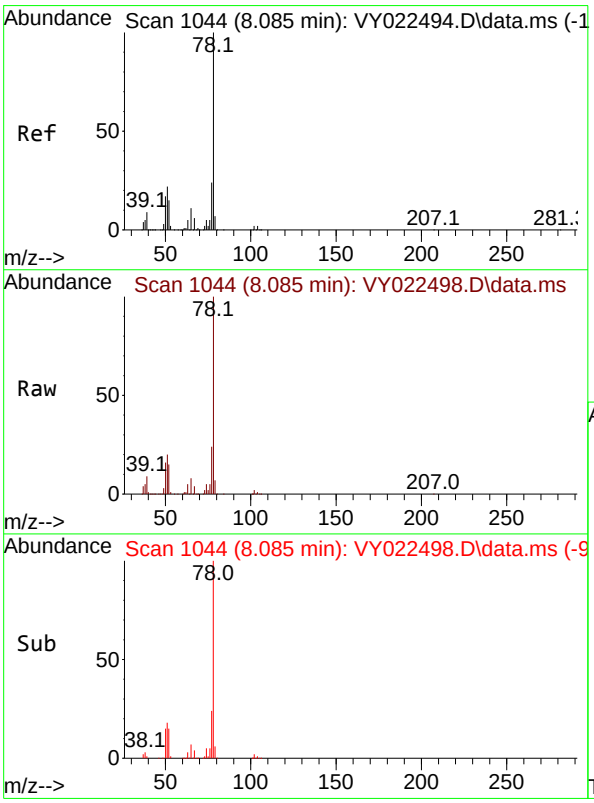
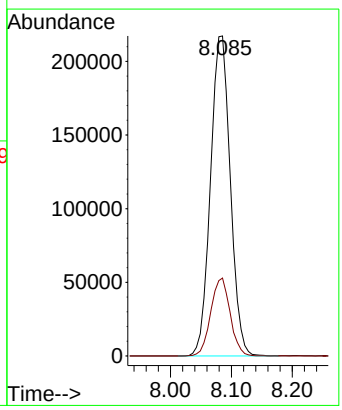


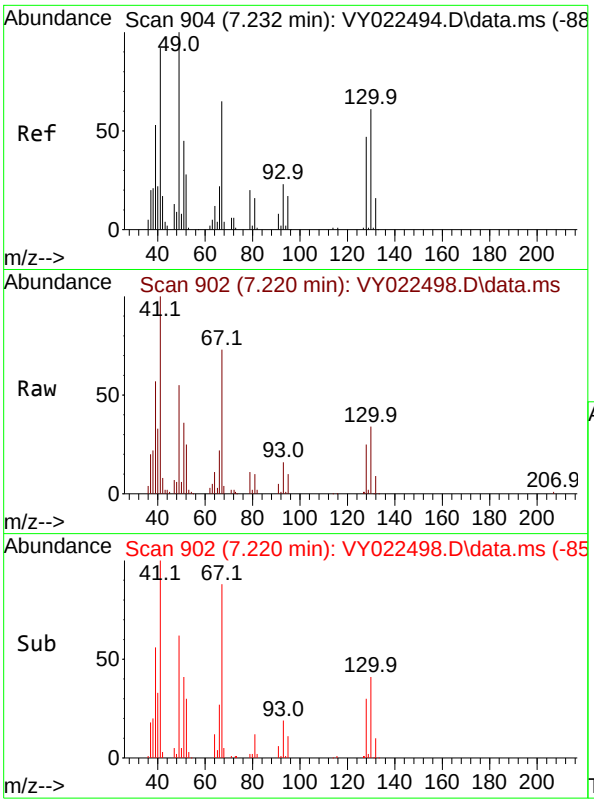


#40
Benzene
Concen: 47.020 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 78 Resp: 491078

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9

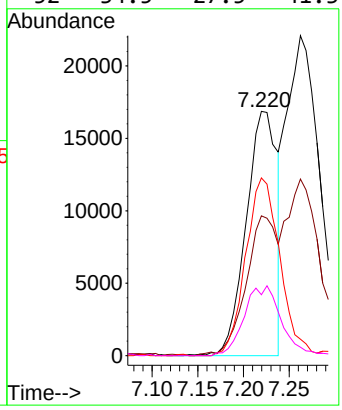




#41
Methacrylonitrile
Concen: 43.134 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 3973

Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.6	69.8
67	80.2	63.3	94.9
52	34.5	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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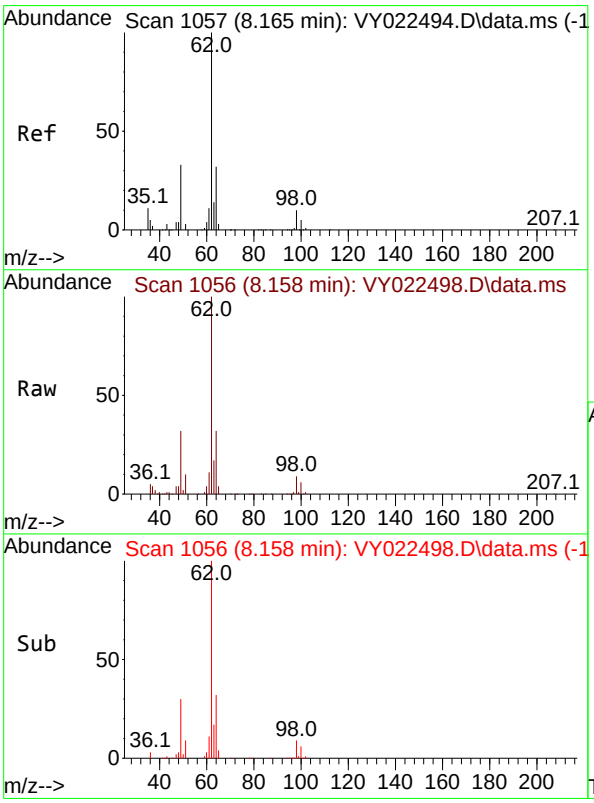
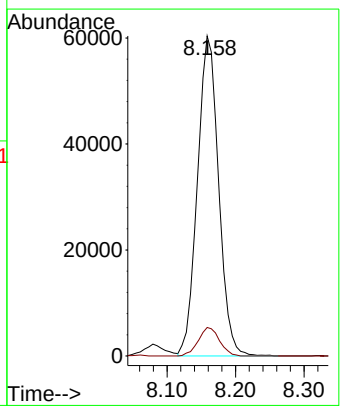
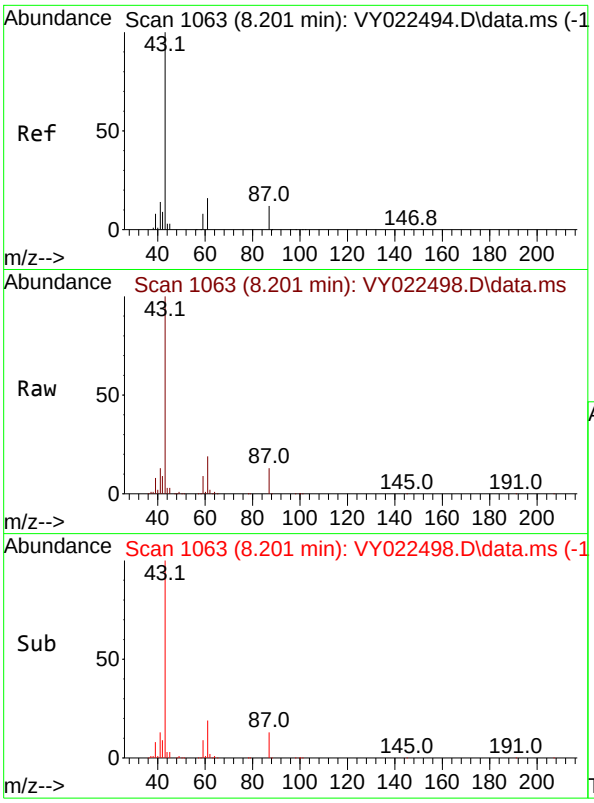


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 130161

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2





#43
Isopropyl Acetate
Concen: 44.122 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 15026

Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.6	23.4
87	13.0	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
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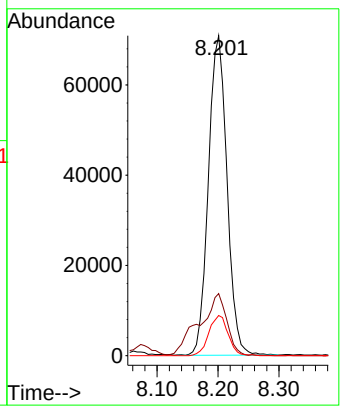
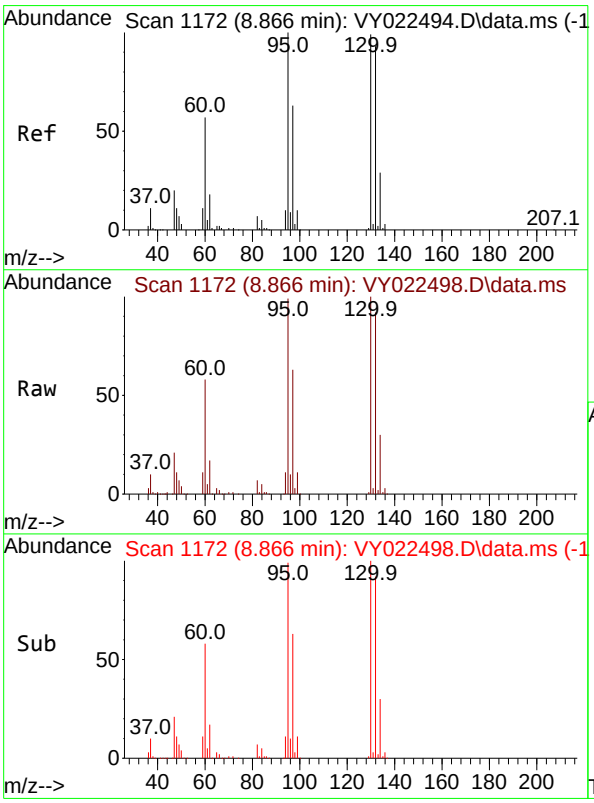
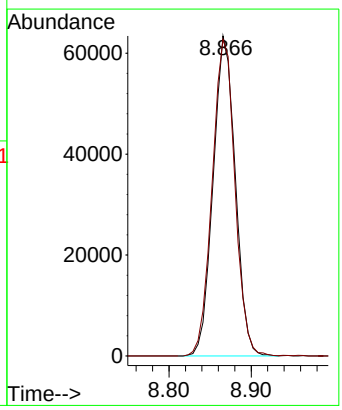


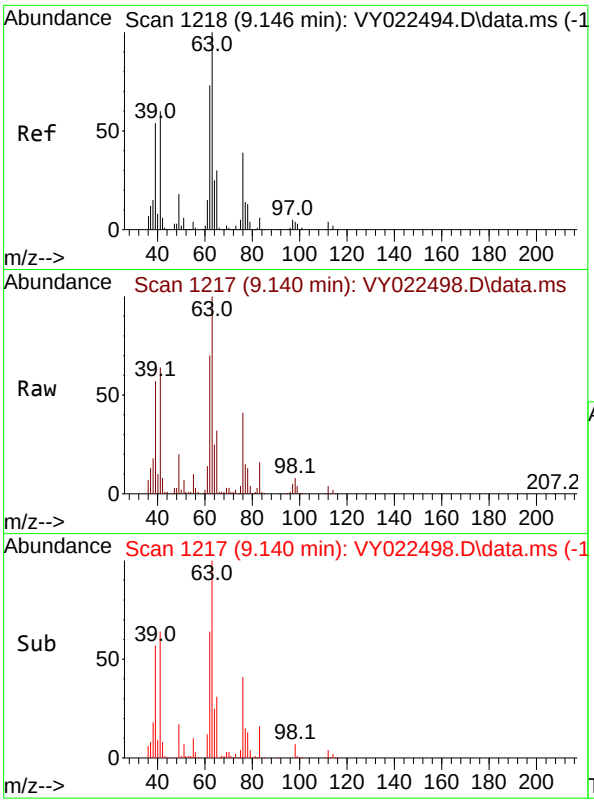


#44
Trichloroethene
Concen: 46.609 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:130 Resp: 118971

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0

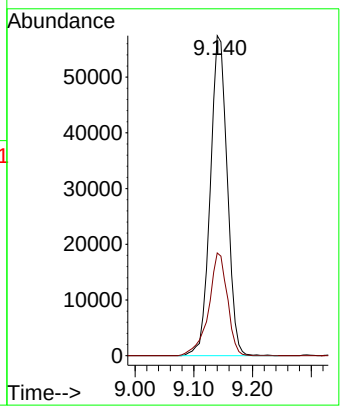




#45
1,2-Dichloropropane
Concen: 46.587 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 11498

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
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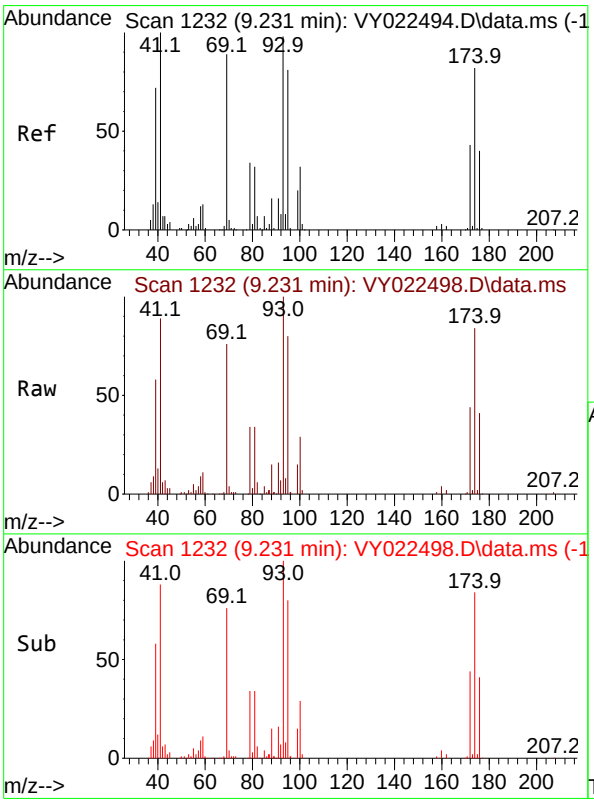
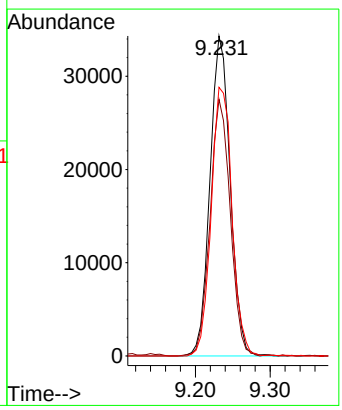
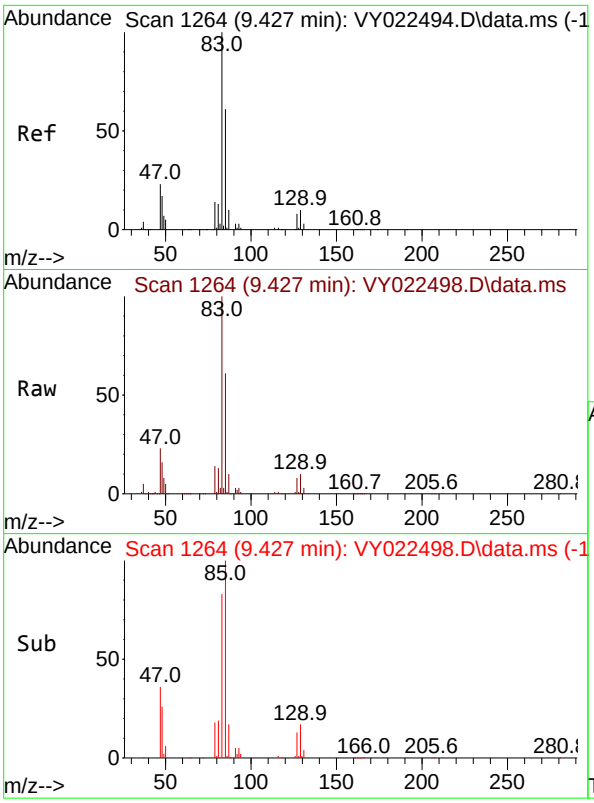


#46
Dibromomethane
Concen: 46.430 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 93 Resp: 64473

Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.6	98.4
174	86.4	70.4	105.6

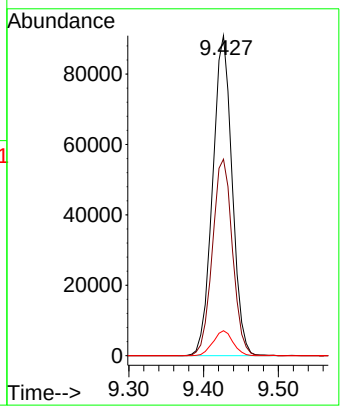




#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 16487

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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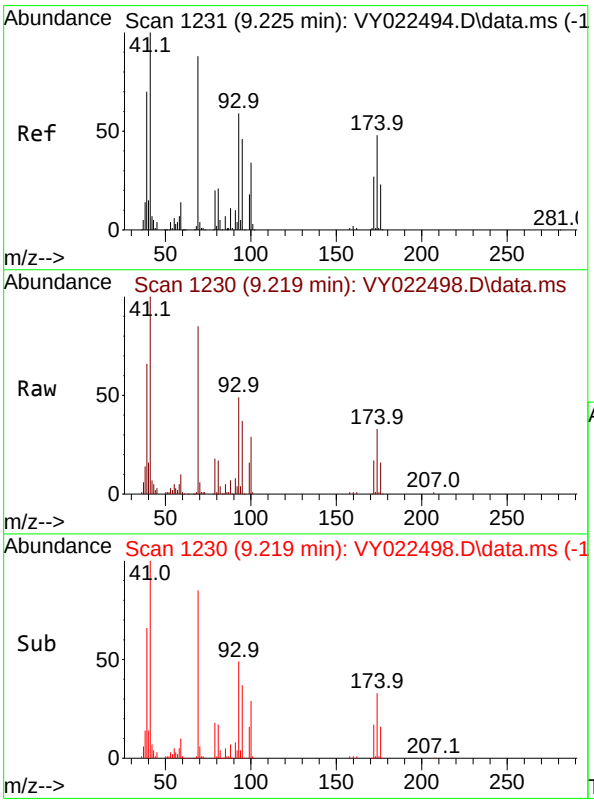
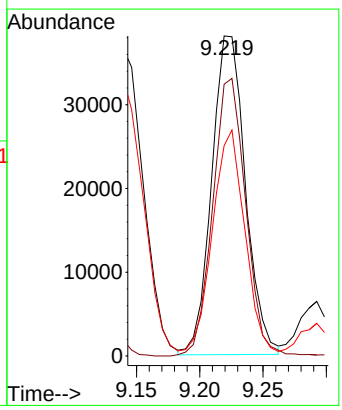
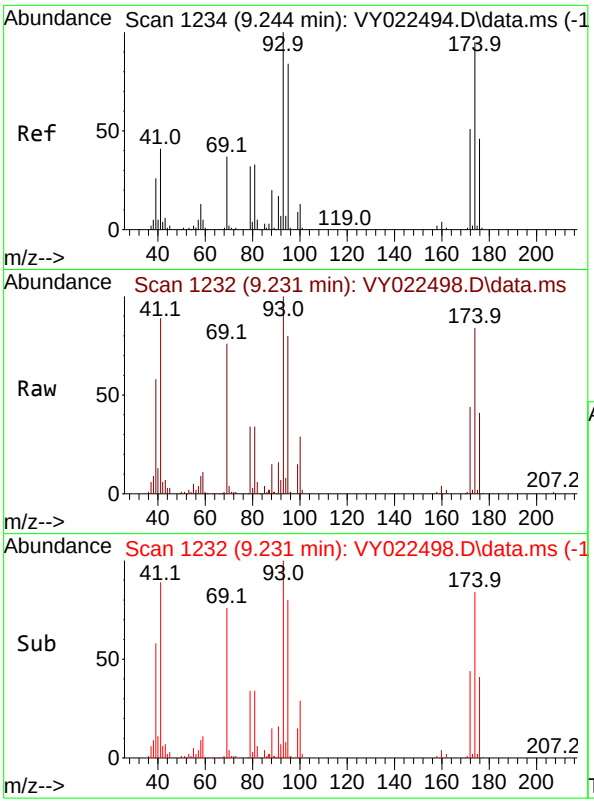


#48
Methyl methacrylate
Concen: 44.198 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 70644

Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.8
39	65.9	55.0	82.4

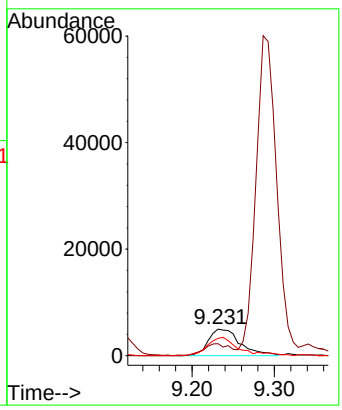




#49
1,4-Dioxane
Concen: 816.553 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 88 Resp: 1343

Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.4	38.2
58	67.7	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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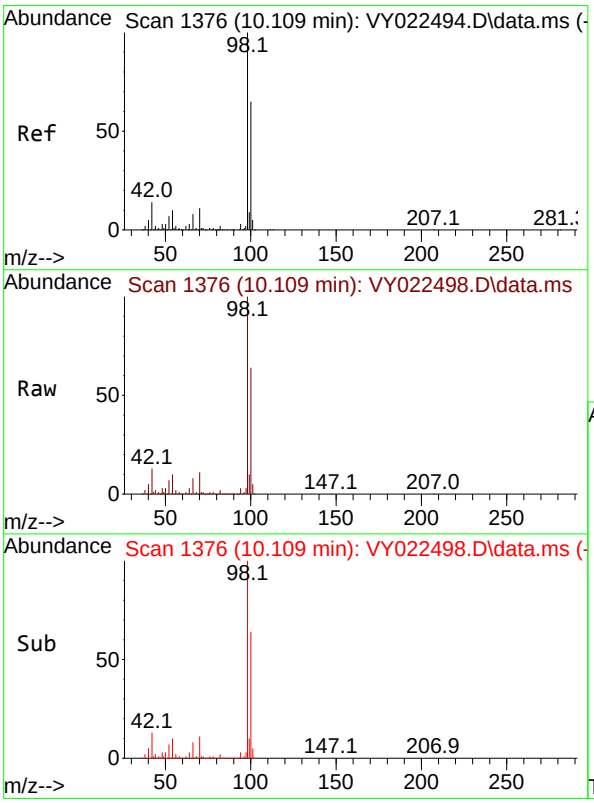
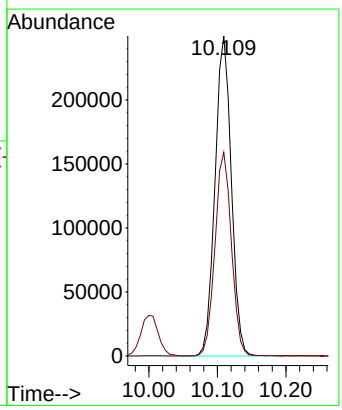
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

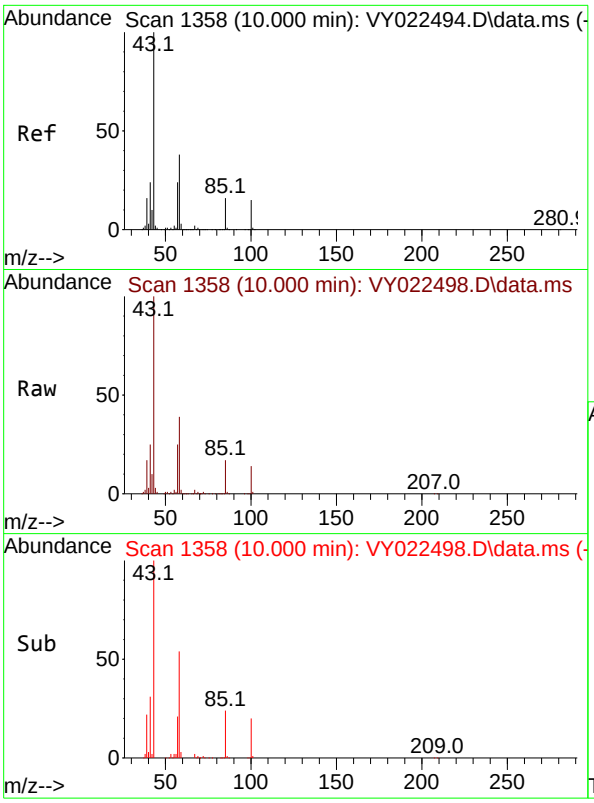


#50
Toluene-d8
Concen: 46.760 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 98 Resp: 411640

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

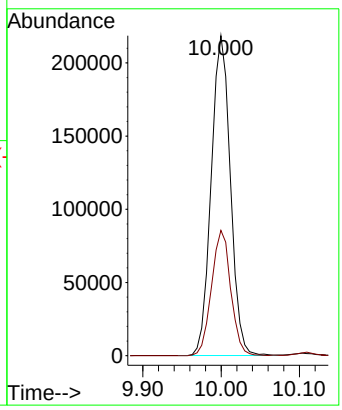




#51
4-Methyl-2-Pentanone
Concen: 219.250 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 37227

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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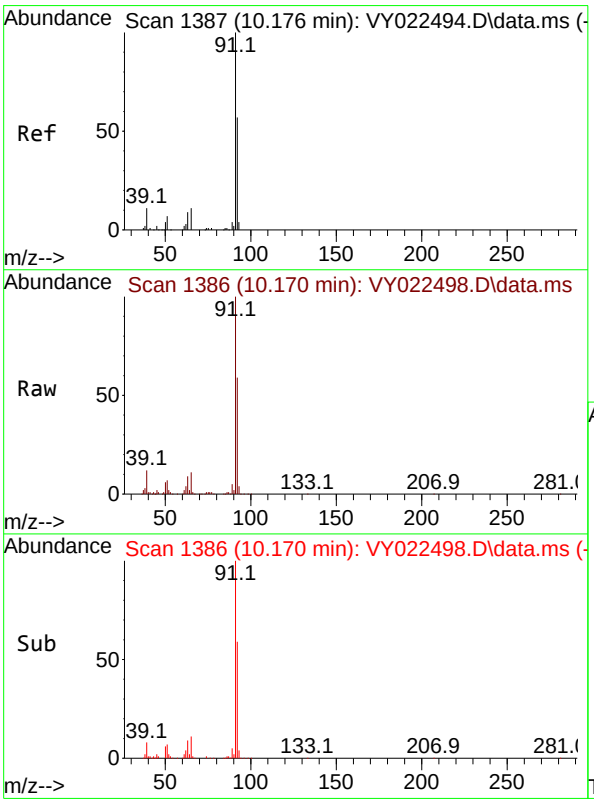
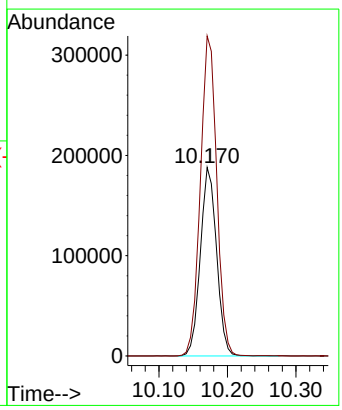
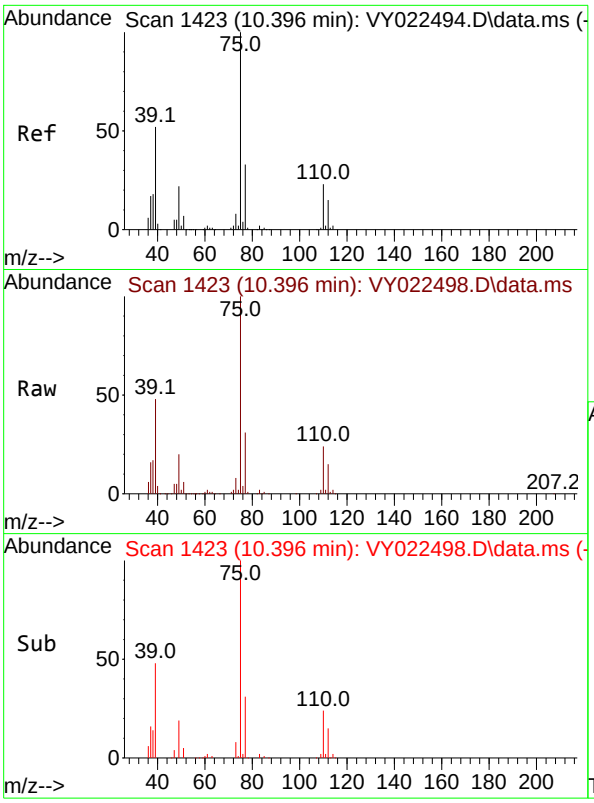


#52
Toluene
Concen: 47.137 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 92 Resp: 309375

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.0	208.4

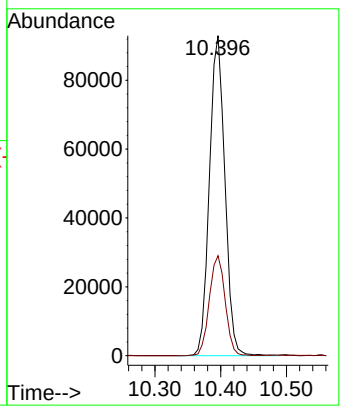




#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 15206

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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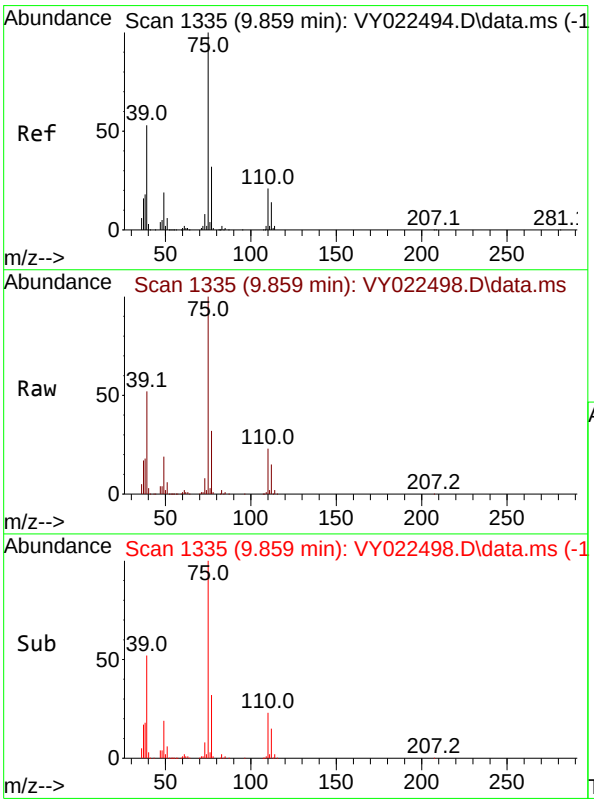
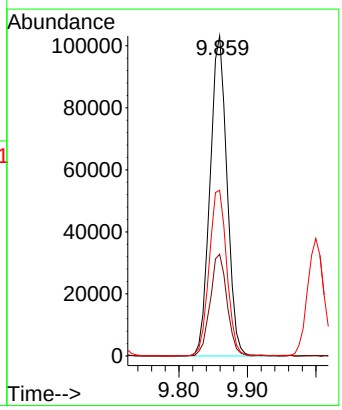
Supervised By :Mahesh Dadoda 06/03/2025

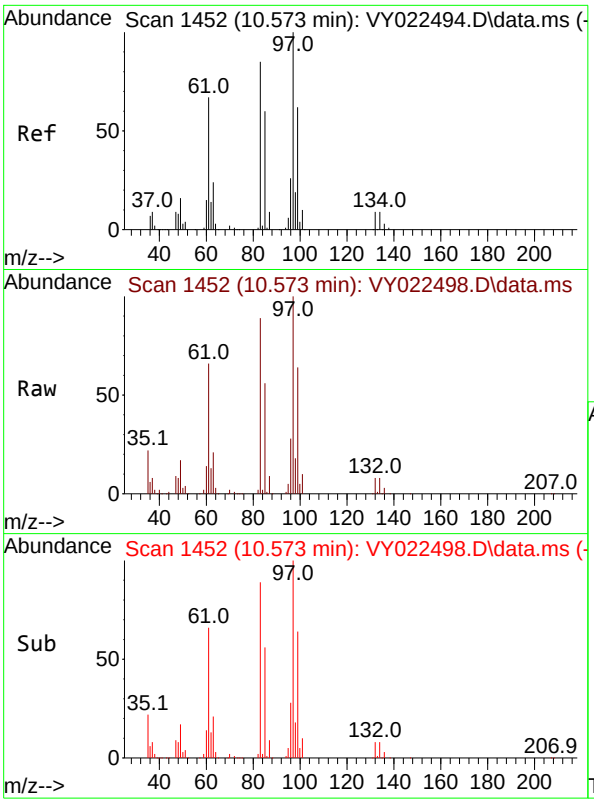


#54
cis-1,3-Dichloropropene
Concen: 46.206 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 177445

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	51.6	42.7	64.1

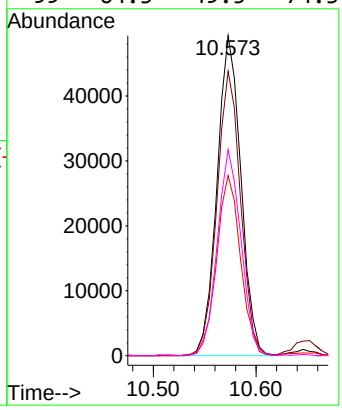




#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 7959

Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.1	102.1
85	56.3	48.2	72.2
99	64.3	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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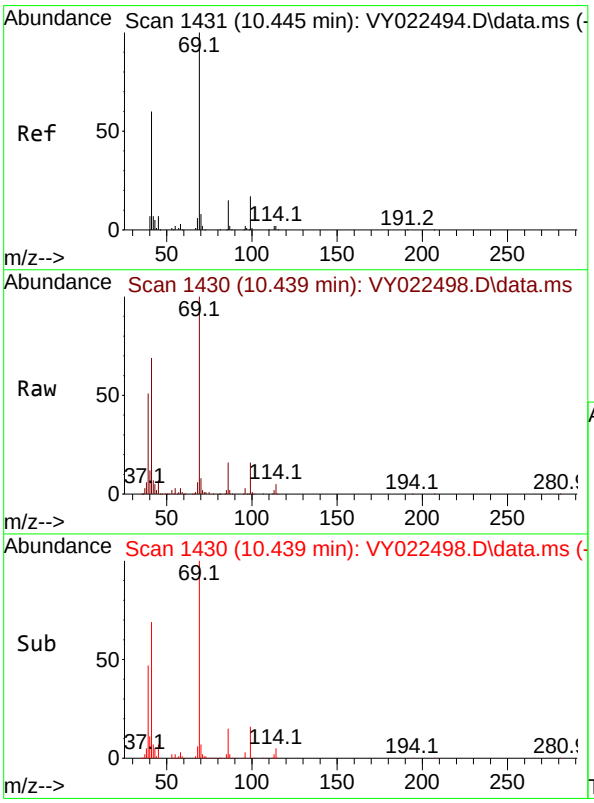
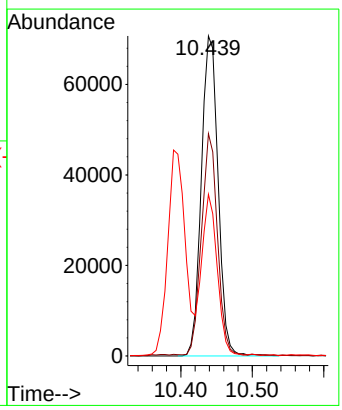
Supervised By :Mahesh Dadoda 06/03/2025

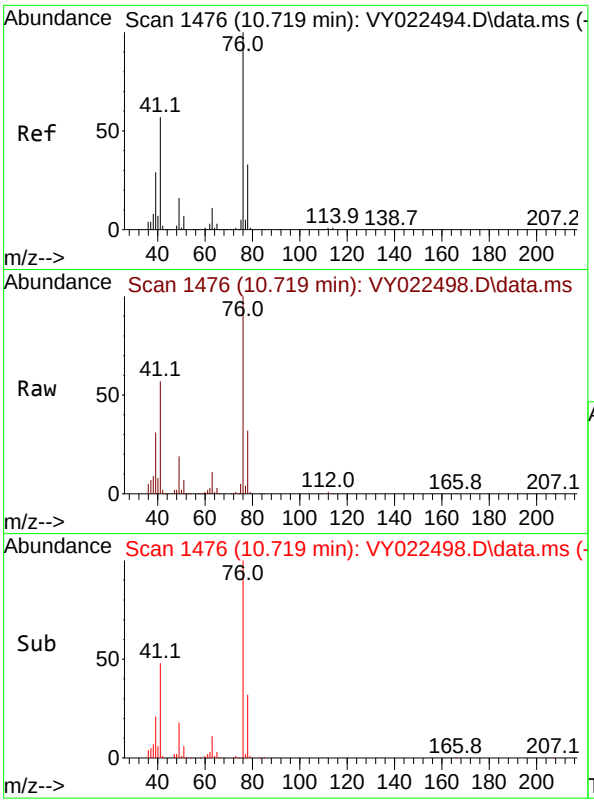


#56
Ethyl methacrylate
Concen: 45.029 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 69 Resp: 115237

Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.2	78.2
39	45.6	36.7	55.1

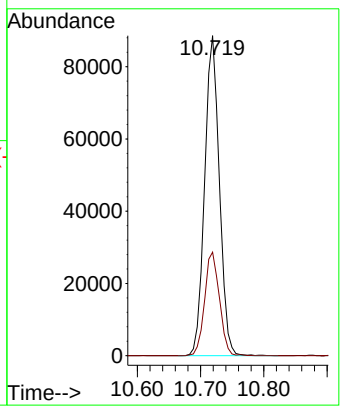




#57
1,3-Dichloropropane
Concen: 45.696 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 76 Resp: 14340

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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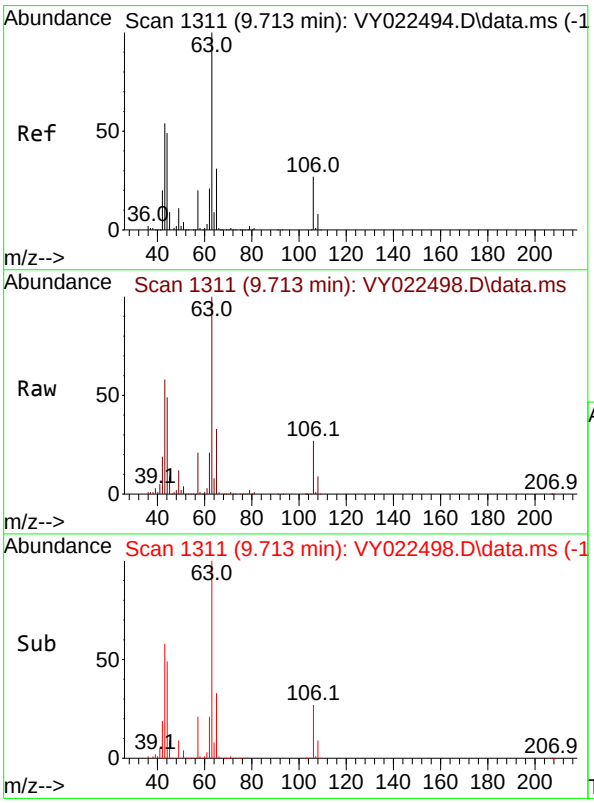
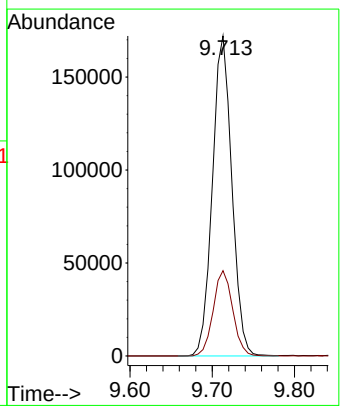
Supervised By :Mahesh Dadoda 06/03/2025

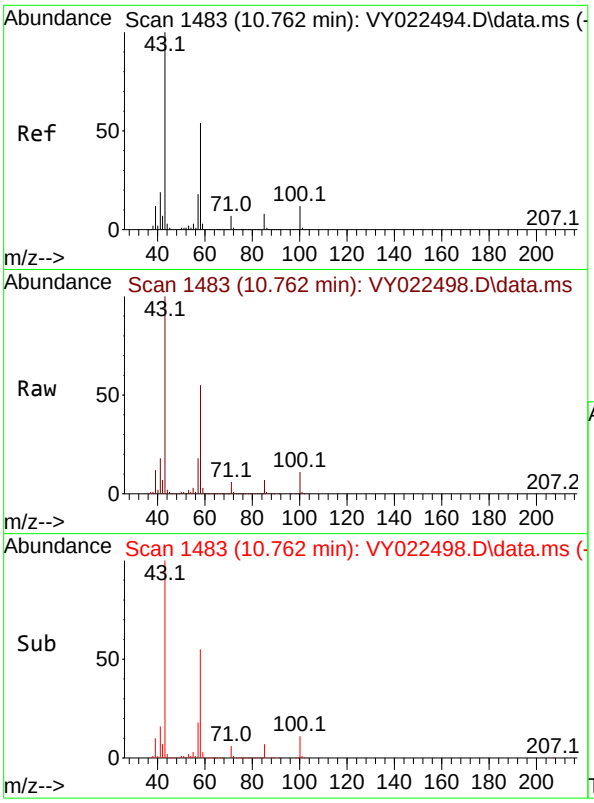


#58
2-Chloroethyl Vinyl ether
Concen: 243.746 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 283213

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4

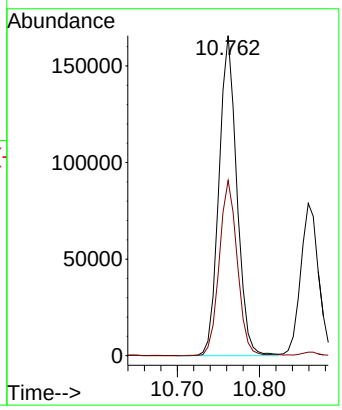




#59
2-Hexanone
Concen: 220.088 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 24992

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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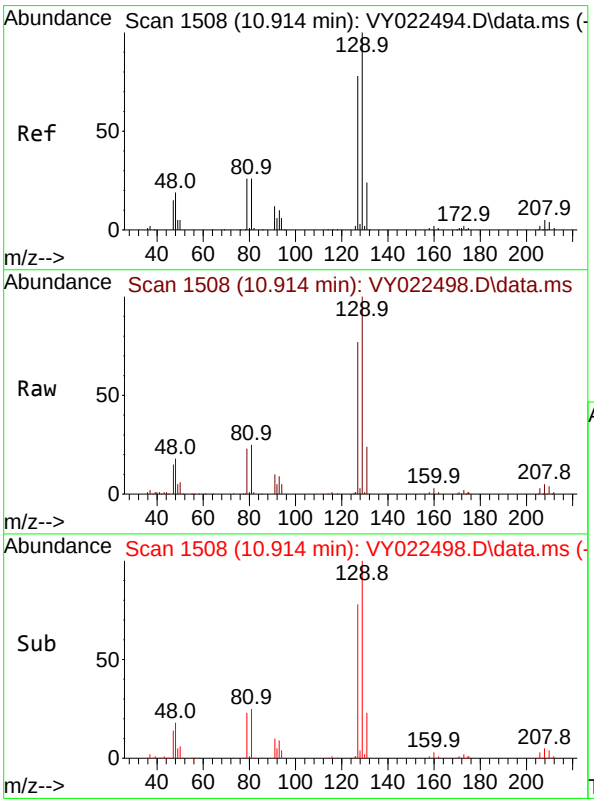
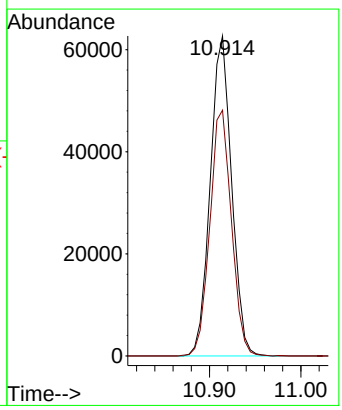
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

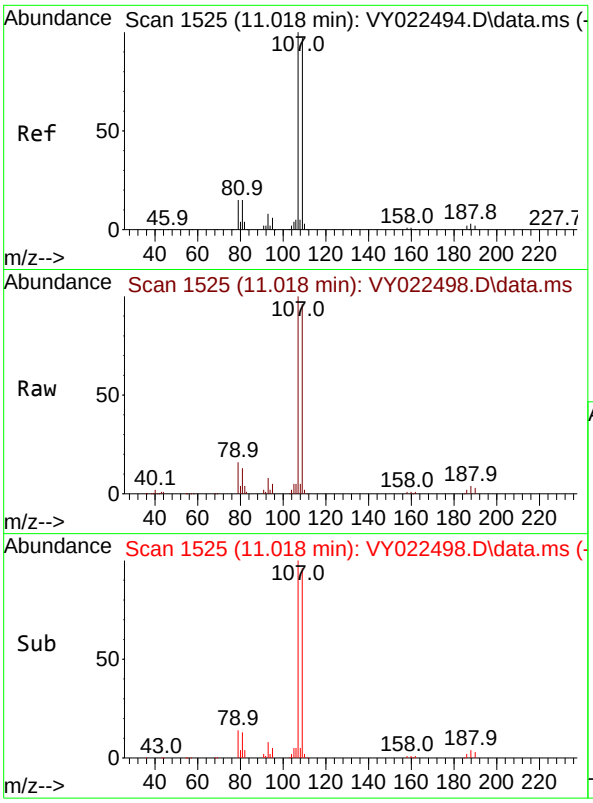


#60
Dibromochloromethane
Concen: 45.114 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:129 Resp: 101515

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2

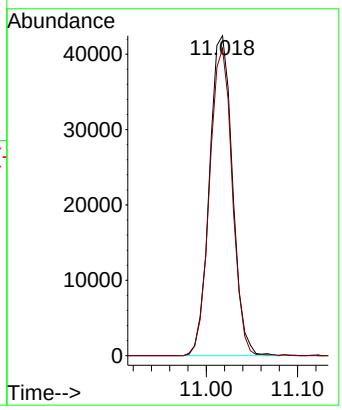




#61
1,2-Dibromoethane
Concen: 45.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:107 Resp: 7417

Ion	Ratio	Lower	Upper
107	100		
109	94.5	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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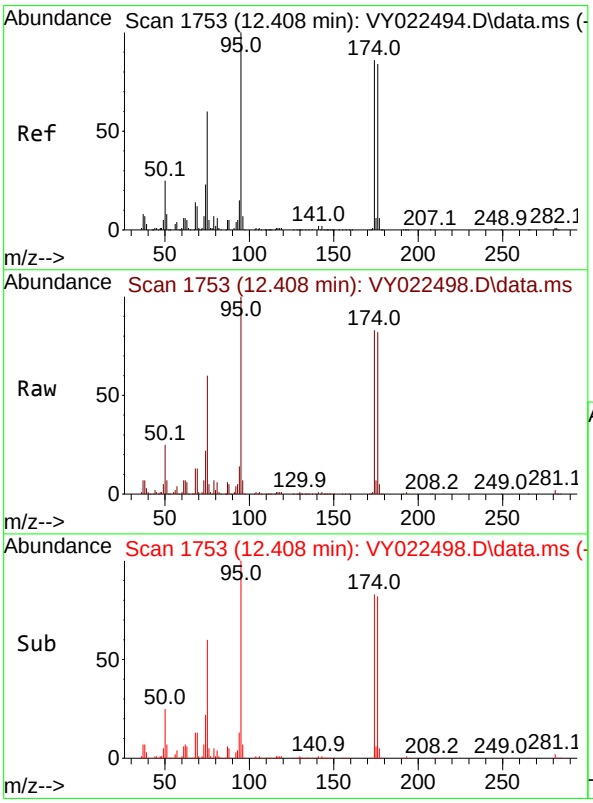
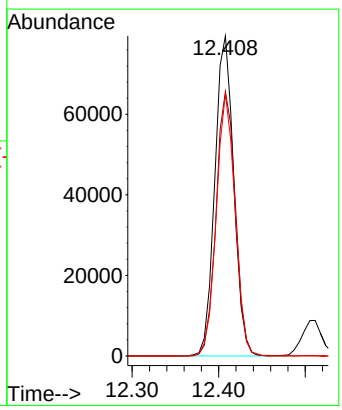
Supervised By :Mahesh Dadoda 06/03/2025

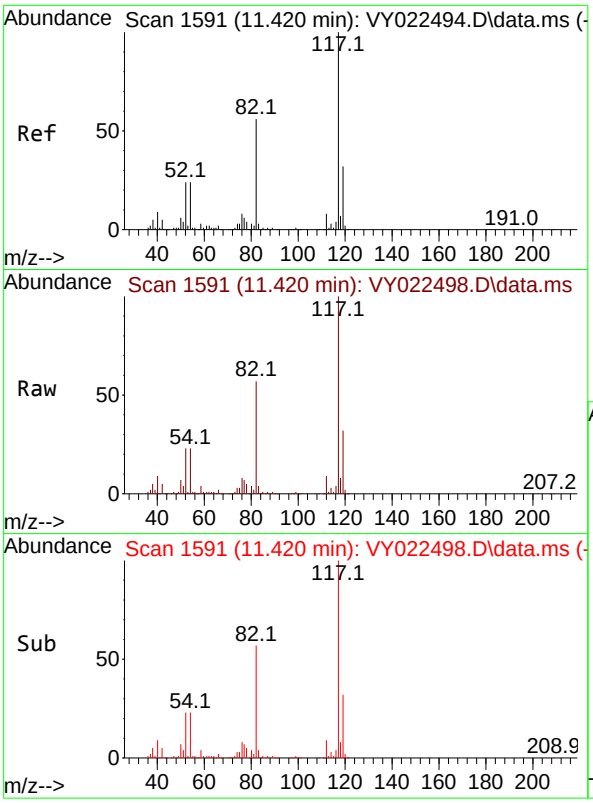


#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 95 Resp: 120253

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.0
176	81.5	0.0	166.2

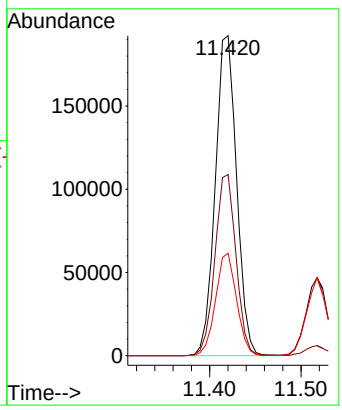




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 31226

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.0	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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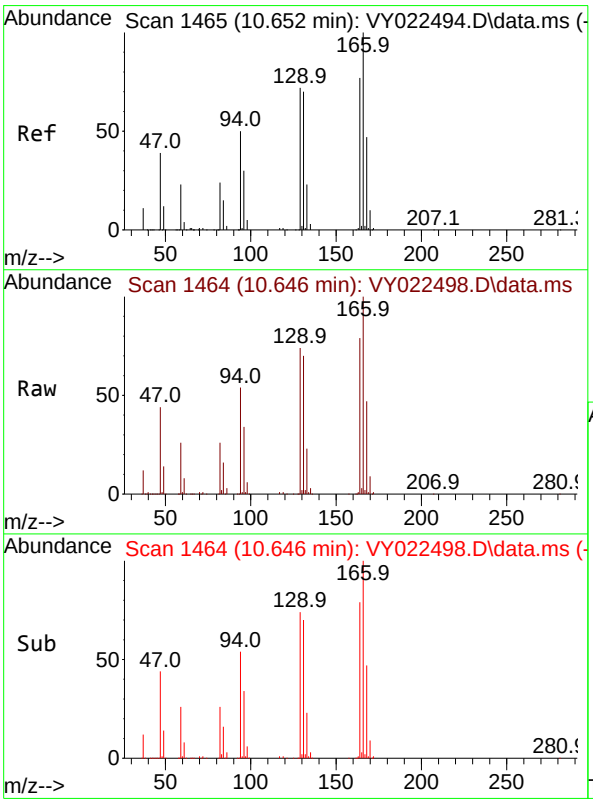
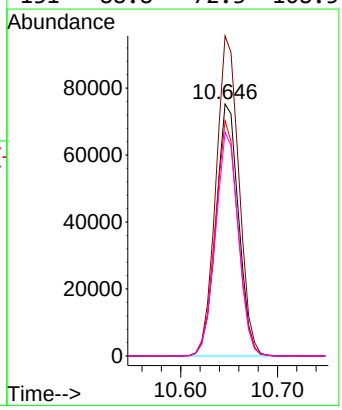
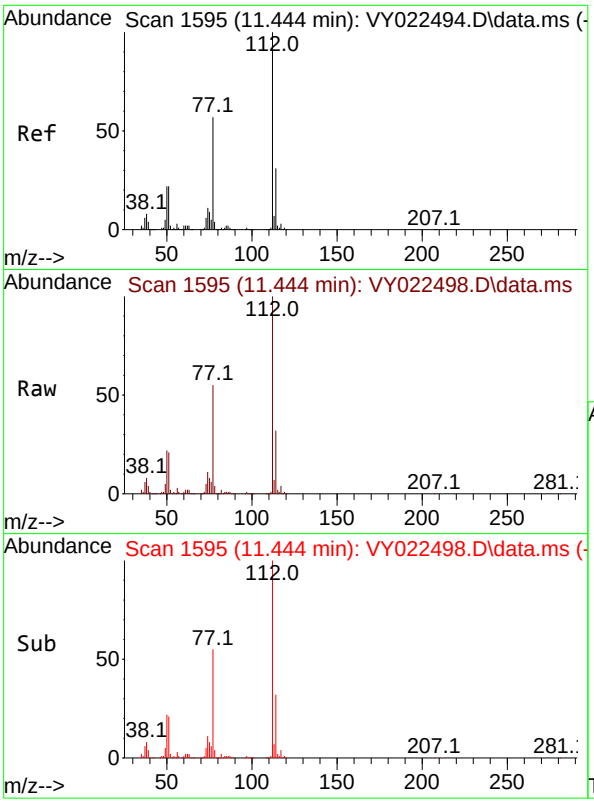


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:164 Resp: 121944

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	93.4	74.5	111.7
131	88.8	72.3	108.5

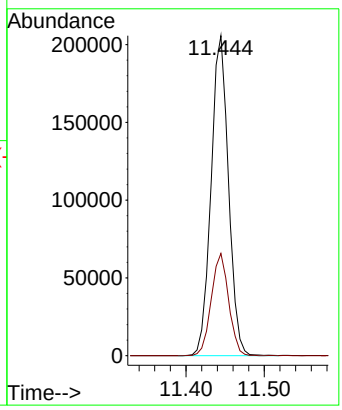




#65
Chlorobenzene
Concen: 45.953 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:112 Resp: 31753

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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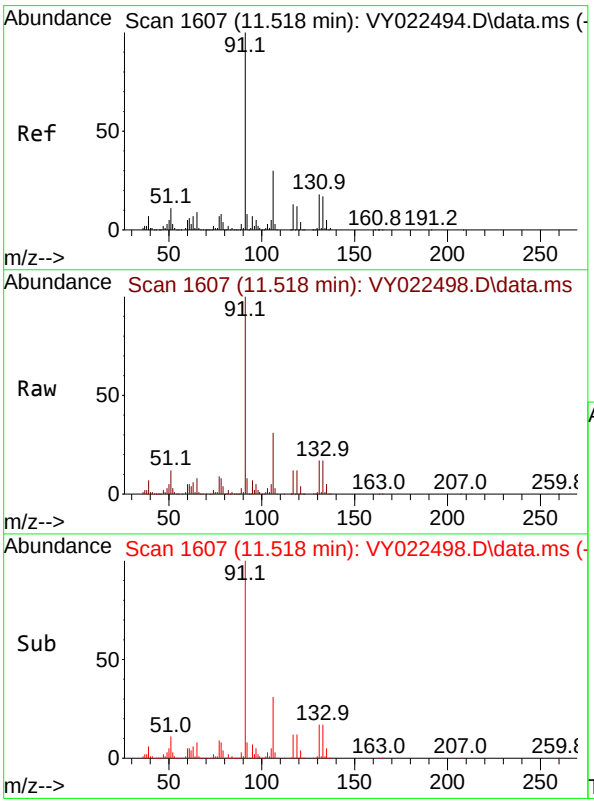
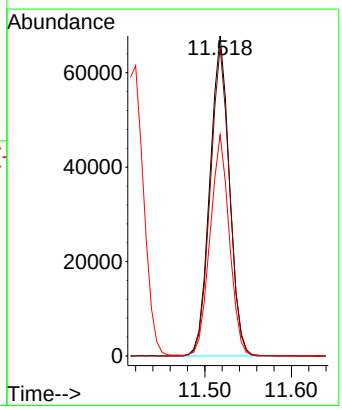
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

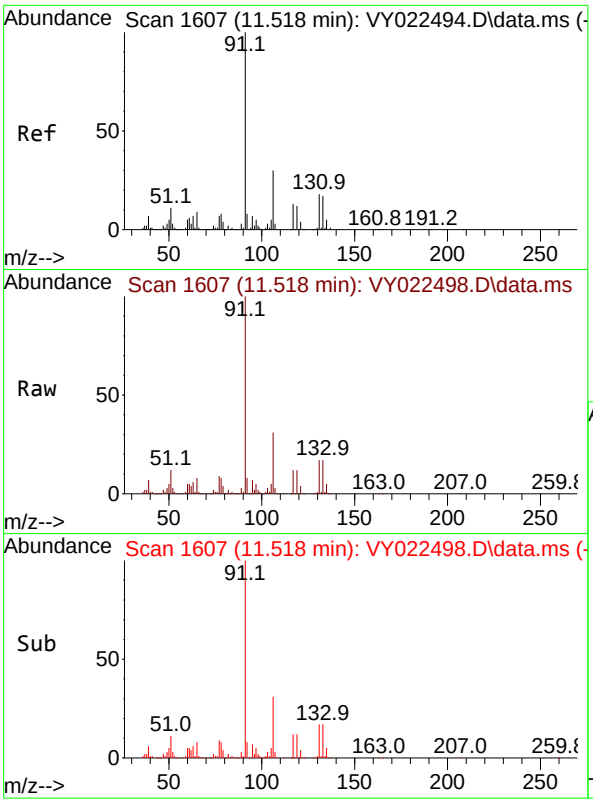


#66
1,1,1,2-Tetrachloroethane
Concen: 45.464 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:131 Resp: 105830

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	68.3	33.1	99.3





#67
Ethyl Benzene
Concen: 47.248 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 60556

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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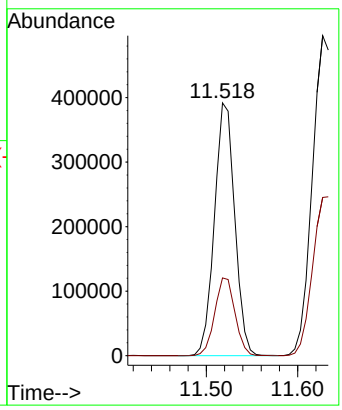
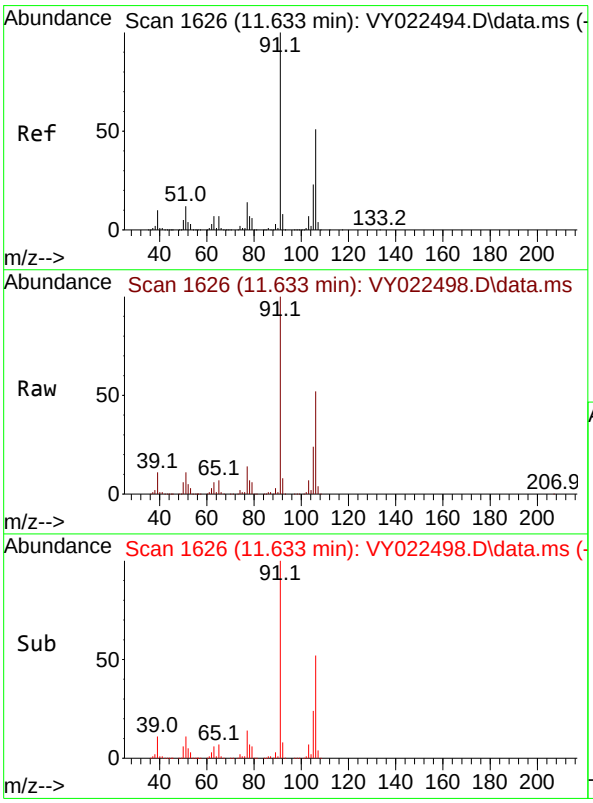
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

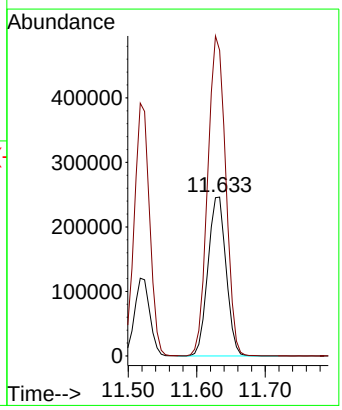


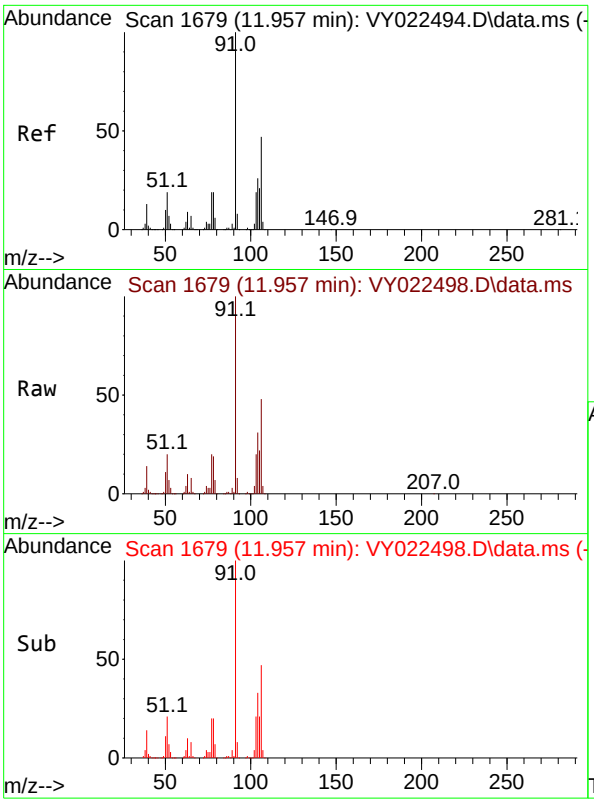


#68
m/p-Xylenes
Concen: 93.473 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 454148

Ion	Ratio	Lower	Upper
106	100		
91	199.5	159.4	239.0

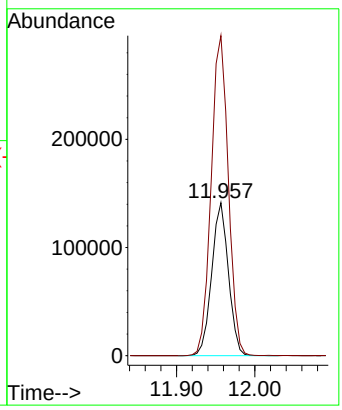




#69
o-Xylene
Concen: 45.959 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 20935

Ion	Ratio	Lower	Upper
106	100		
91	214.9	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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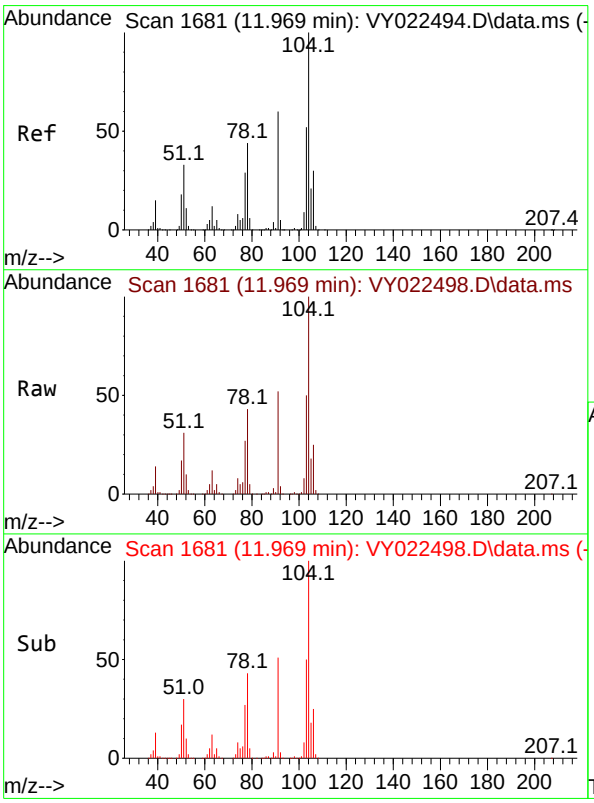
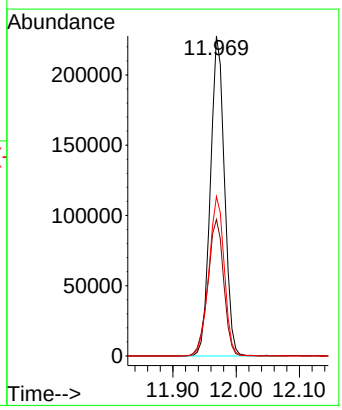
Supervised By :Mahesh Dadoda 06/03/2025

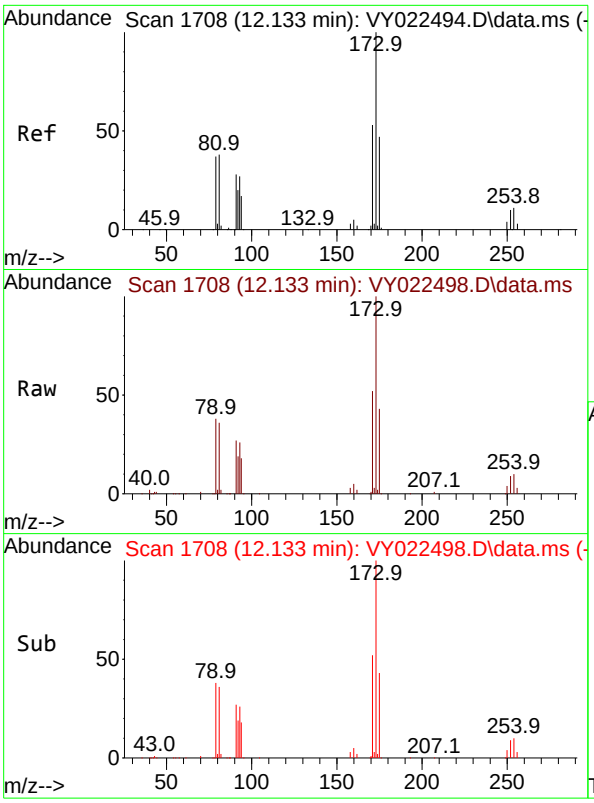


#70
Styrene
Concen: 46.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:104 Resp: 352505

Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.5	59.3
103	54.4	44.1	66.1

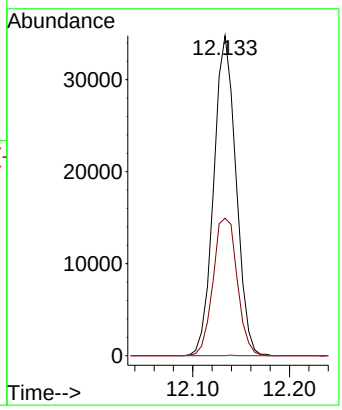




#71
Bromoform
Concen: 44.852 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:173 Resp: 5555

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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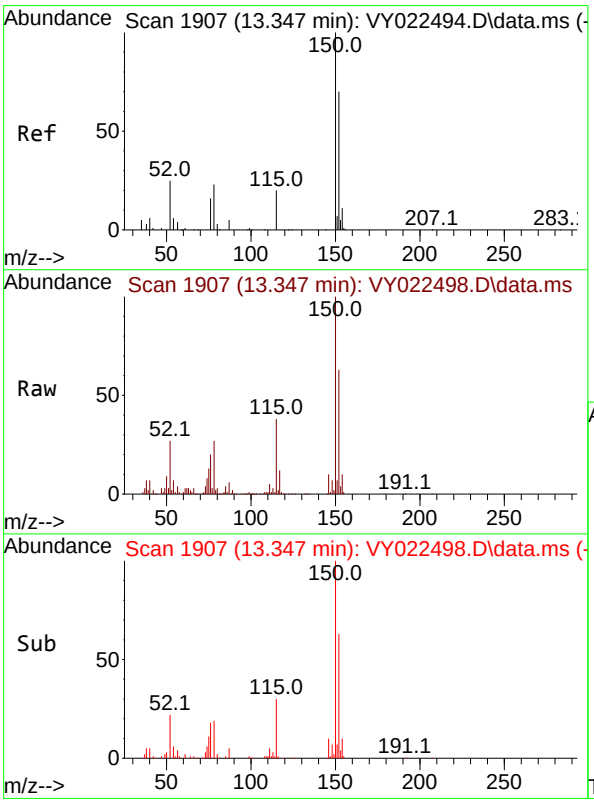
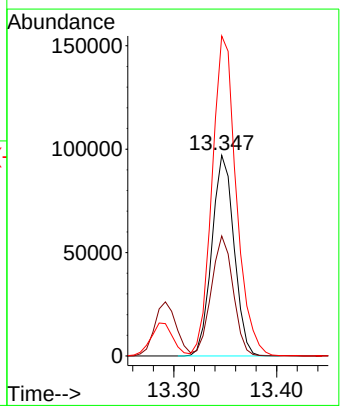
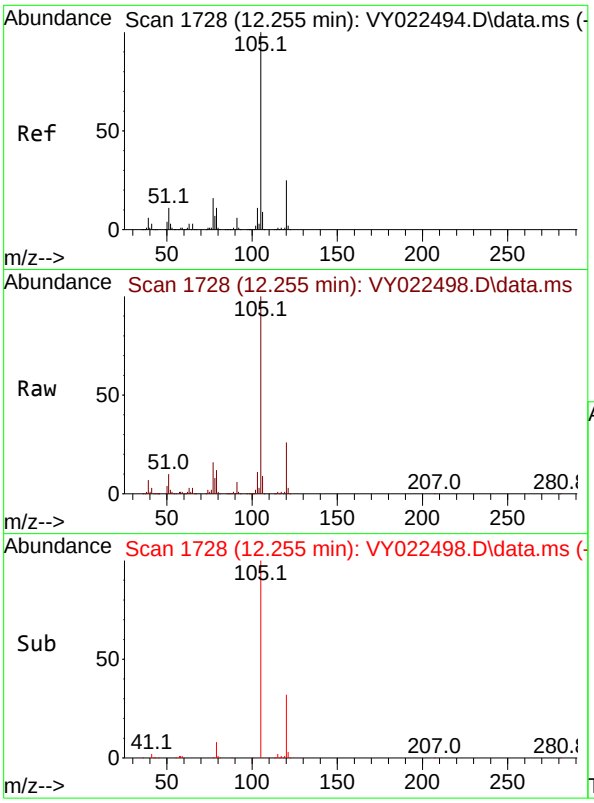


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:152 Resp: 145254

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.9	86.7
150	174.0	0.0	349.6

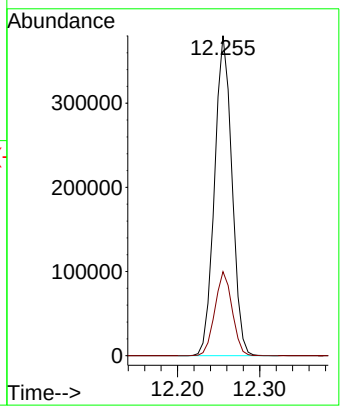




#73
Isopropylbenzene
Concen: 46.933 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 55969

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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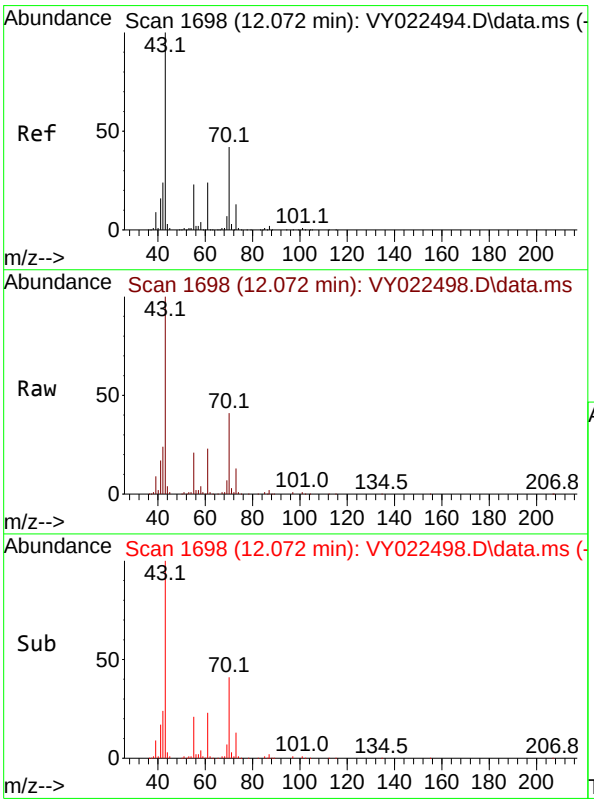
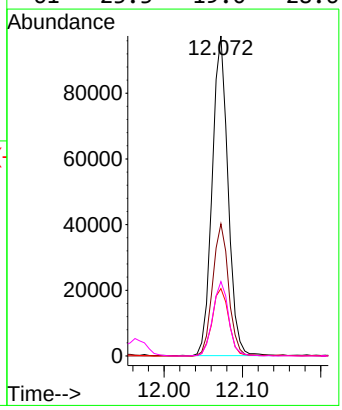
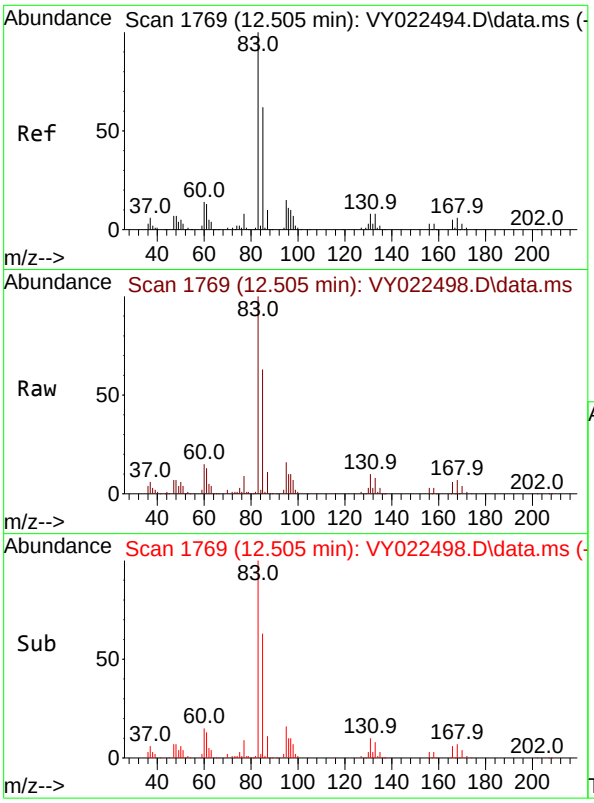


#74
N-amyl acetate
Concen: 45.502 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 136915

Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.2	51.2
55	22.1	18.2	27.4
61	23.3	19.0	28.6

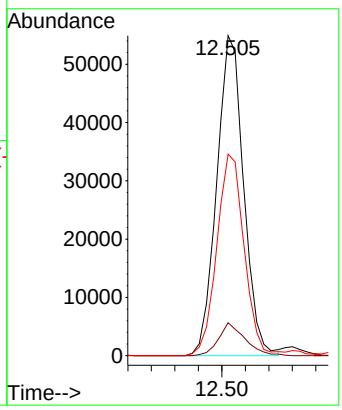




#75
1,1,2,2-Tetrachloroethane
Concen: 44.656 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 8740

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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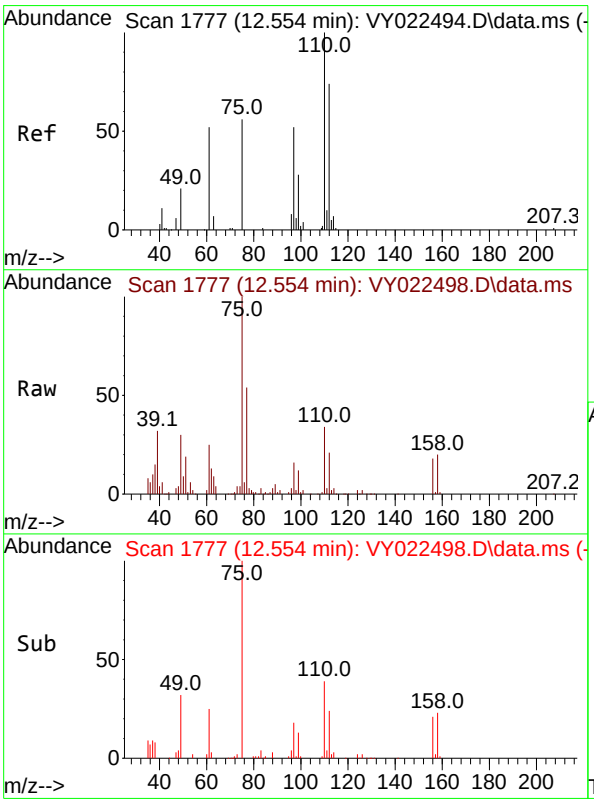
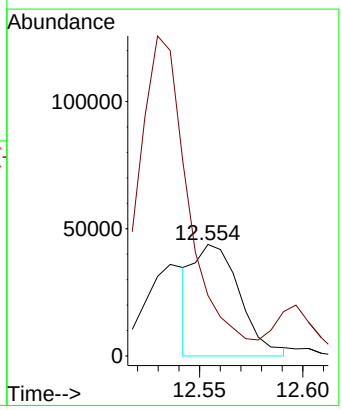
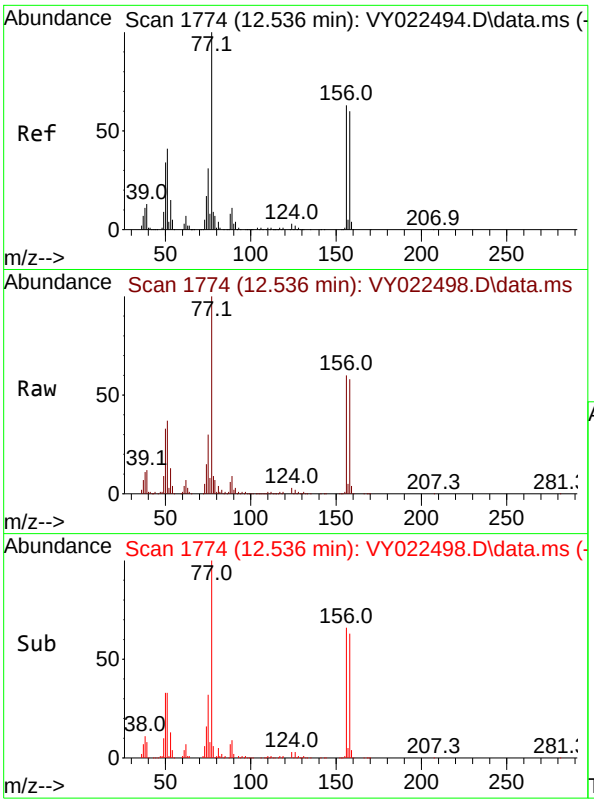


#76
1,2,3-Trichloropropane
Concen: 41.103 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 68304

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

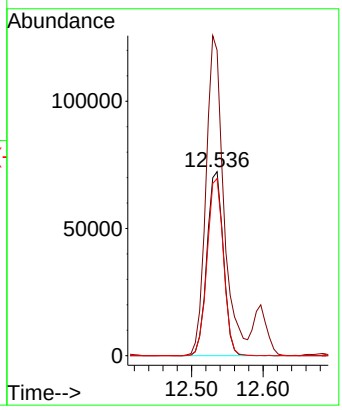




#77
Bromobenzene
Concen: 45.607 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:156 Resp: 11477

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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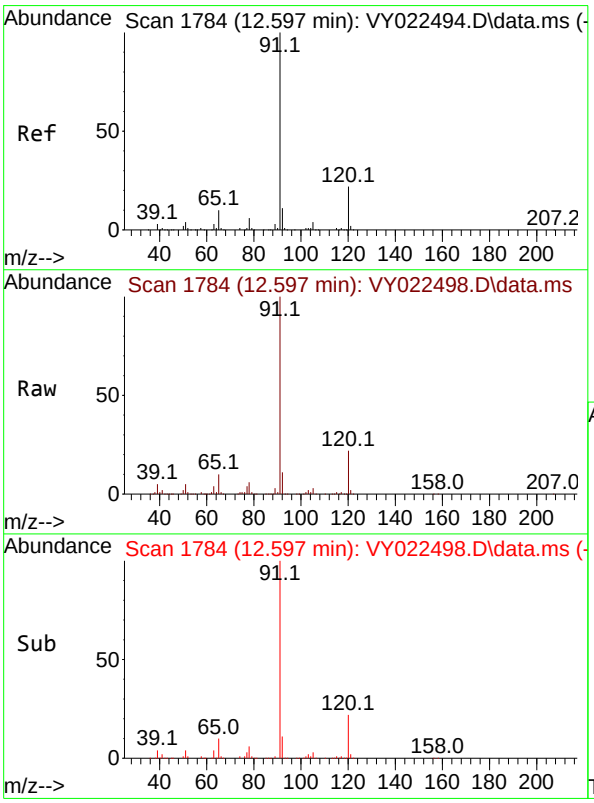
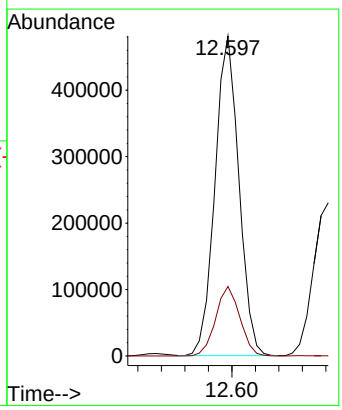
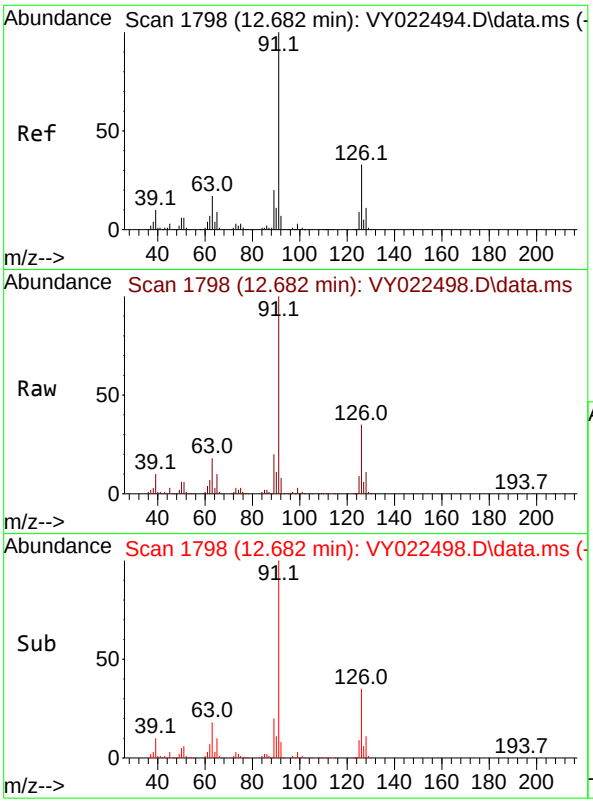


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 680155

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

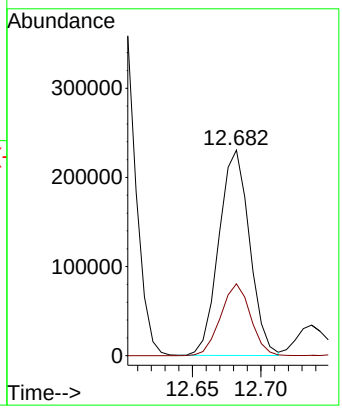




#79
2-Chlorotoluene
Concen: 46.472 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 35875

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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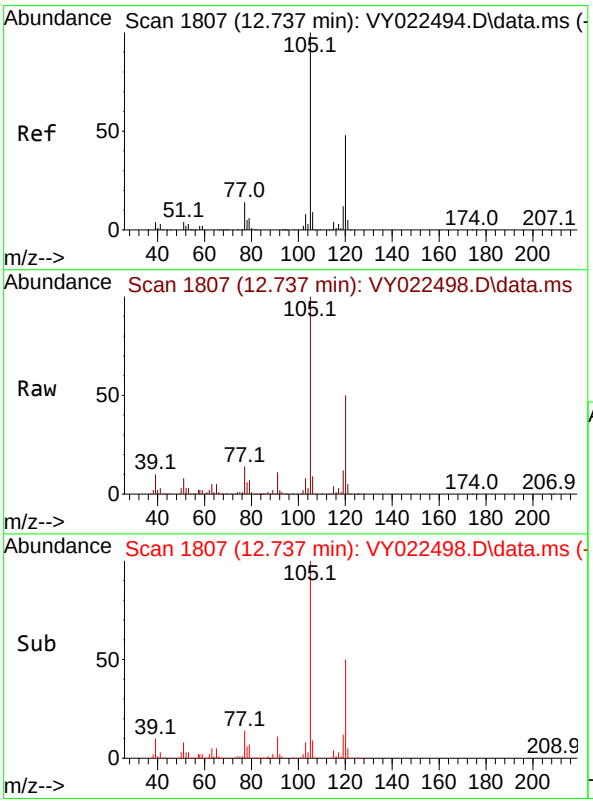
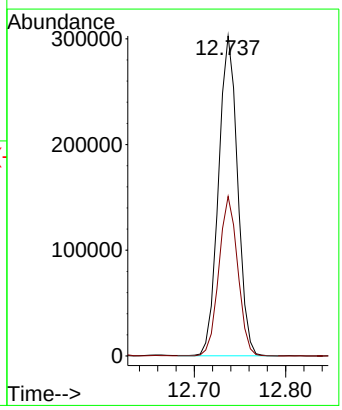
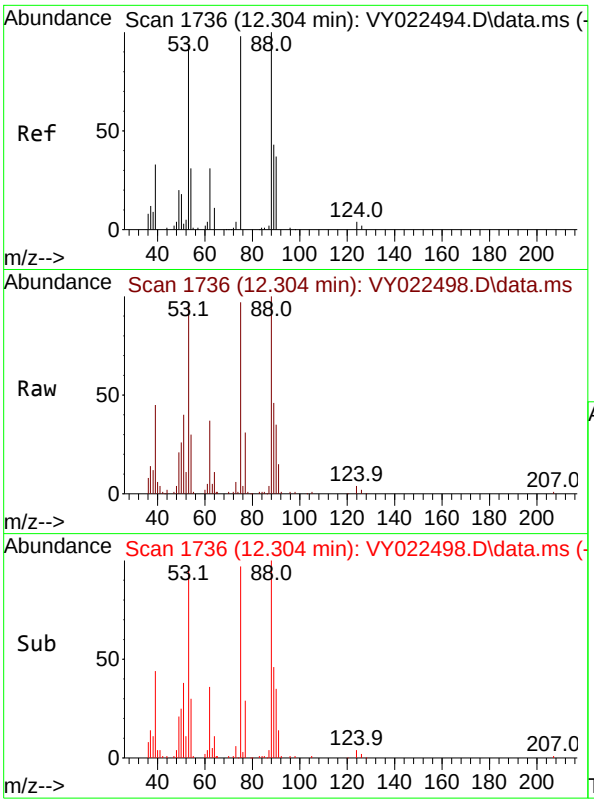


#80
1,3,5-Trimethylbenzene
Concen: 46.876 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 438873

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.1	72.4

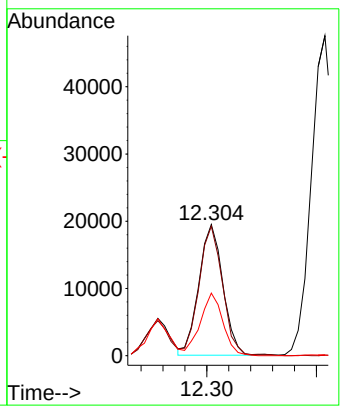




#81
trans-1,4-Dichloro-2-butene
Concen: 42.968 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 2956

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.5	117.7
89	44.9	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
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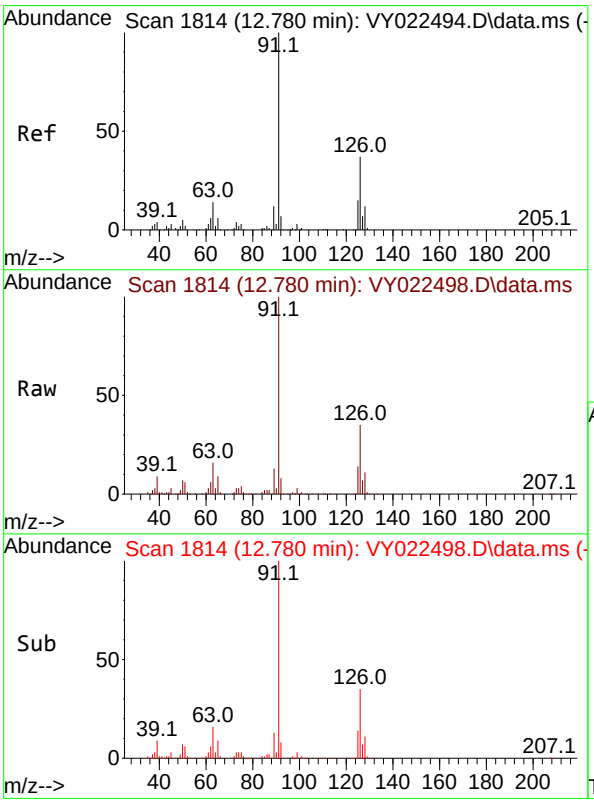
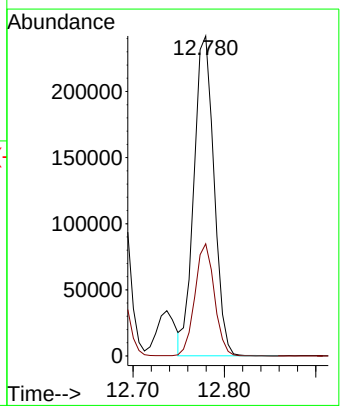
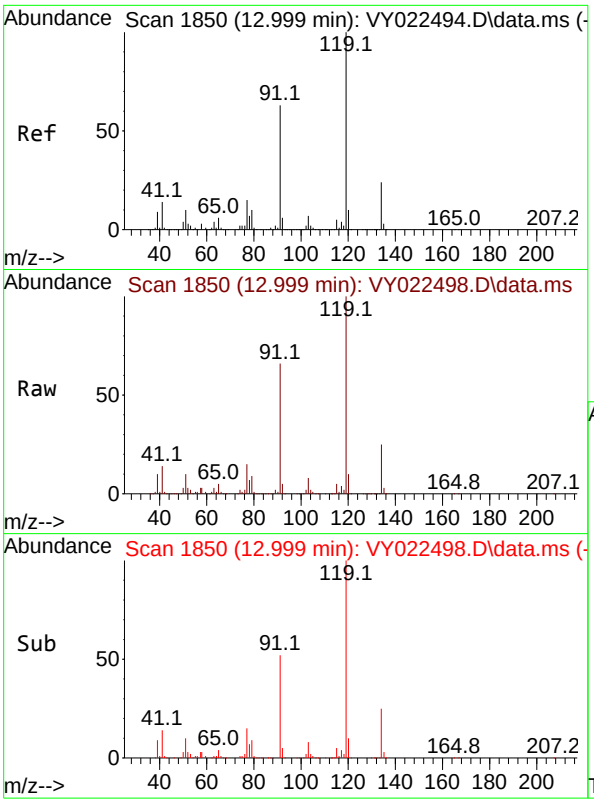


#82
4-Chlorotoluene
Concen: 46.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 368631

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

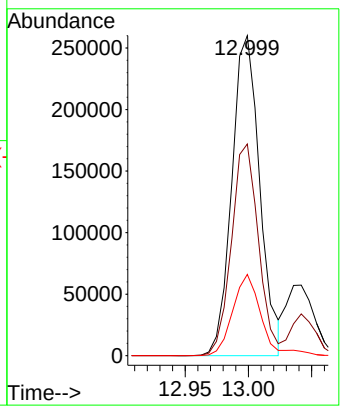




#83
tert-Butylbenzene
Concen: 47.655 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 40044

Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	25.9	13.0	38.9



Instrument :
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ClientSampleId :
ICVVY060225

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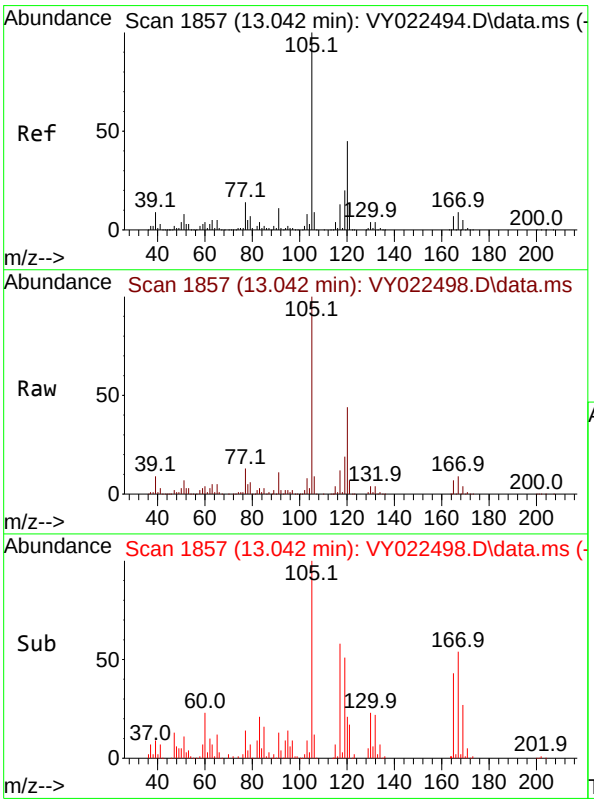
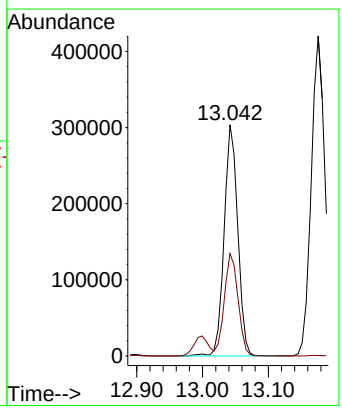
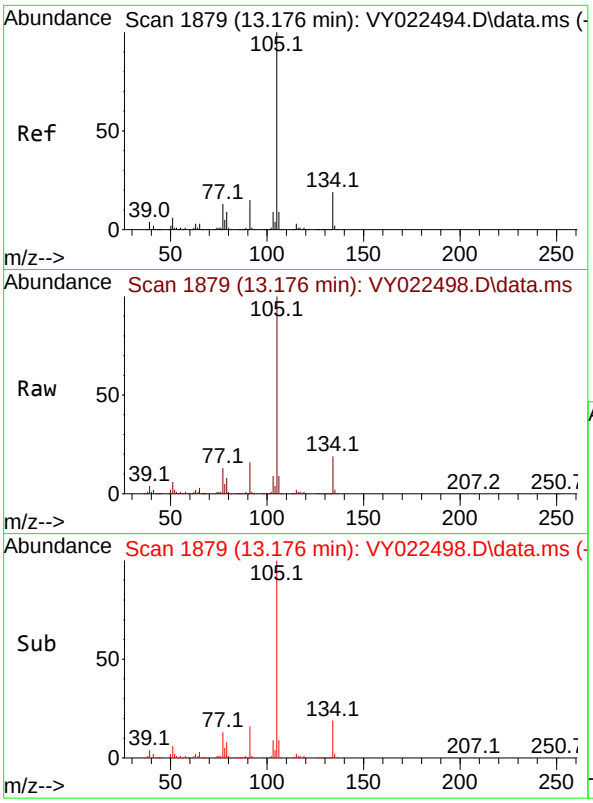


#84
1,2,4-Trimethylbenzene
Concen: 46.735 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 437631

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1

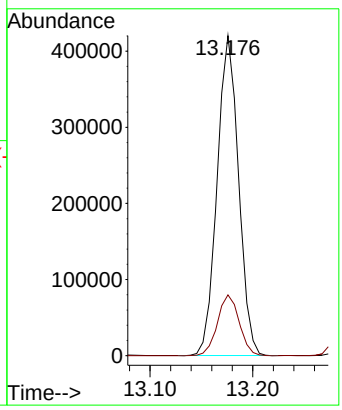




#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 60796

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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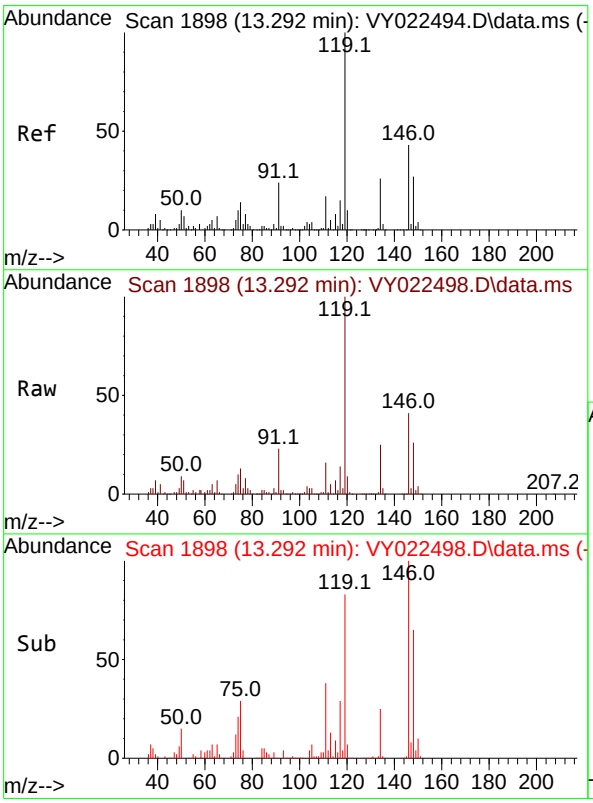
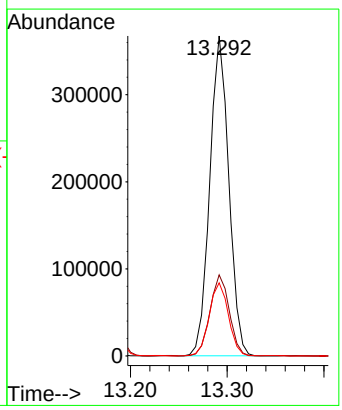
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

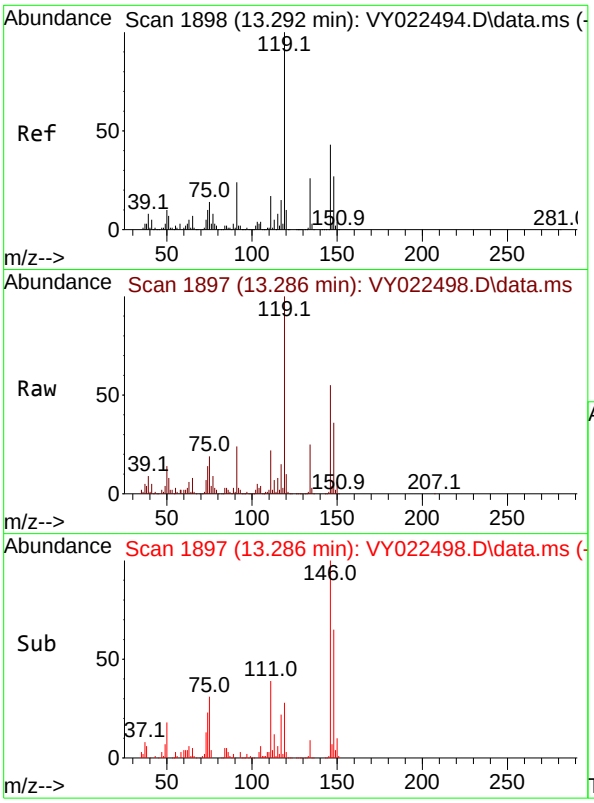


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 501979

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.0	11.6	34.8

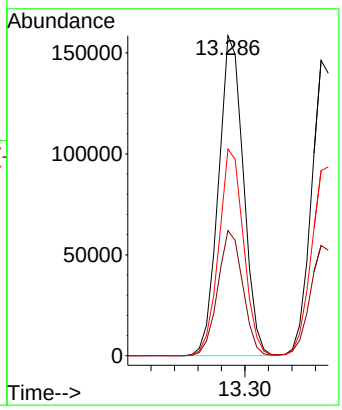




#87
1,3-Dichlorobenzene
Concen: 45.932 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 23419

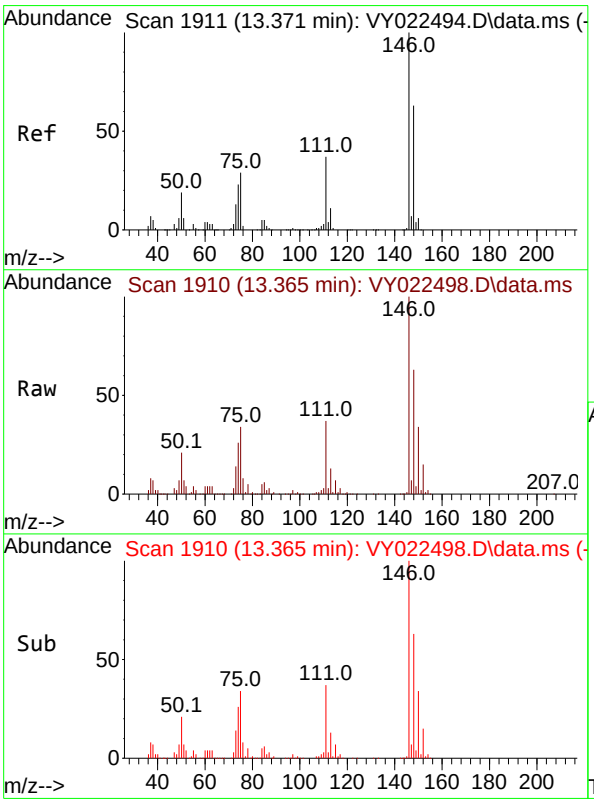
Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

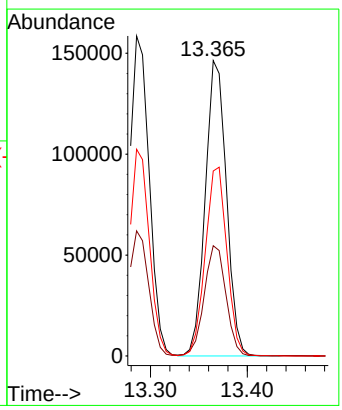
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

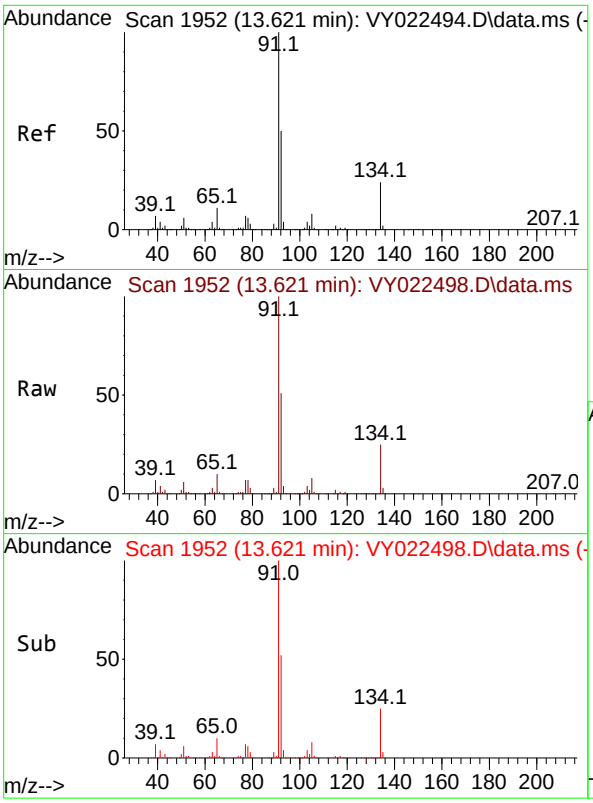


#88
1,4-Dichlorobenzene
Concen: 45.113 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 223096

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	65.3	31.6	94.8

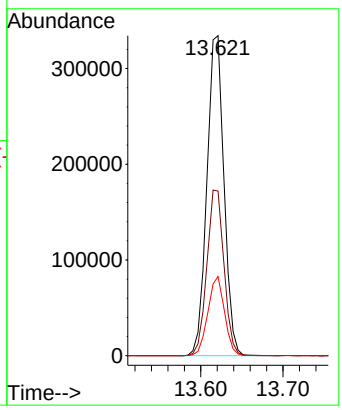




#89
n-Butylbenzene
Concen: 47.968 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 48277

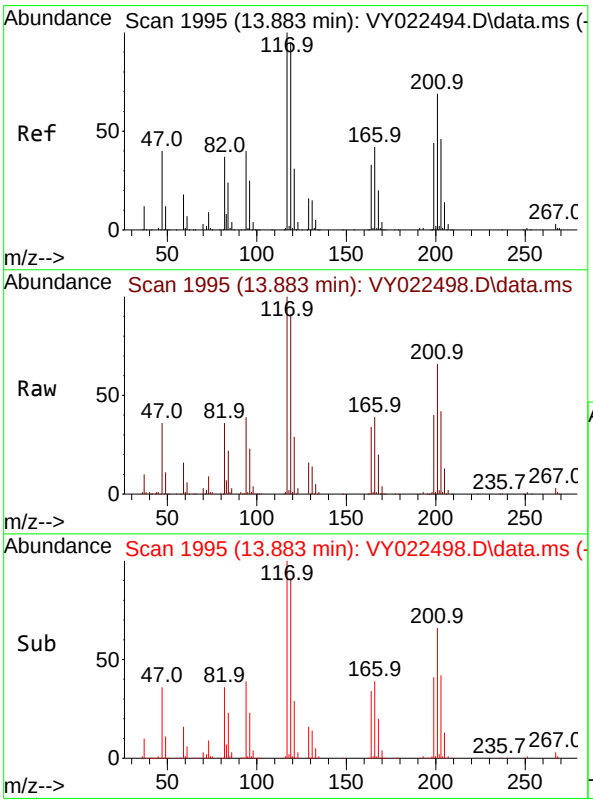
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

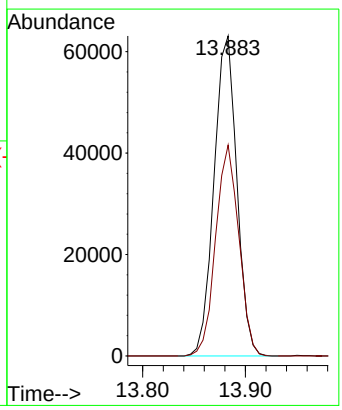
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

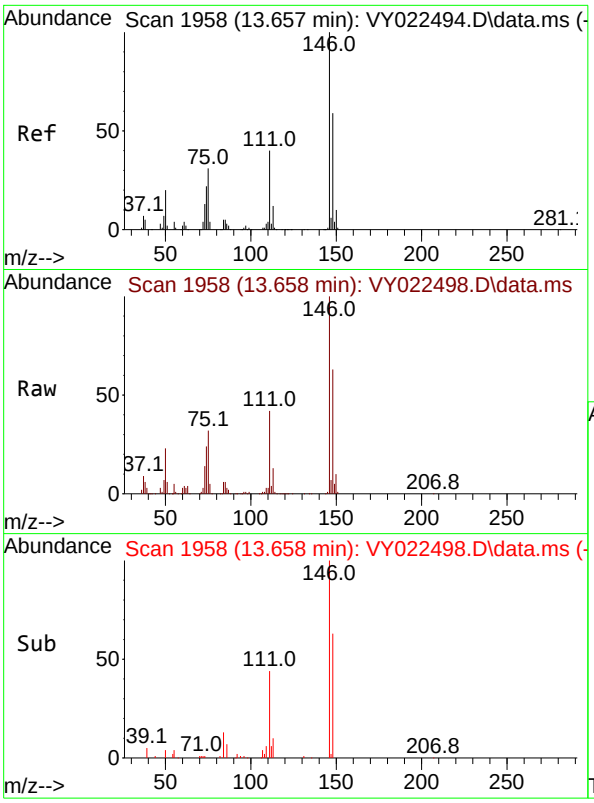


#90
Hexachloroethane
Concen: 47.101 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 97273

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0

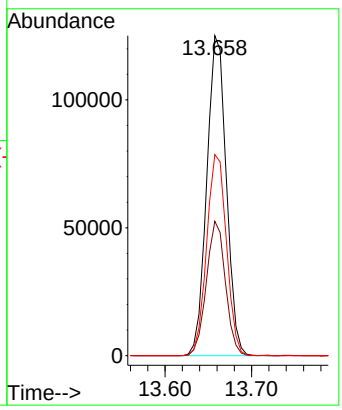




#91
1,2-Dichlorobenzene
Concen: 45.213 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 19572

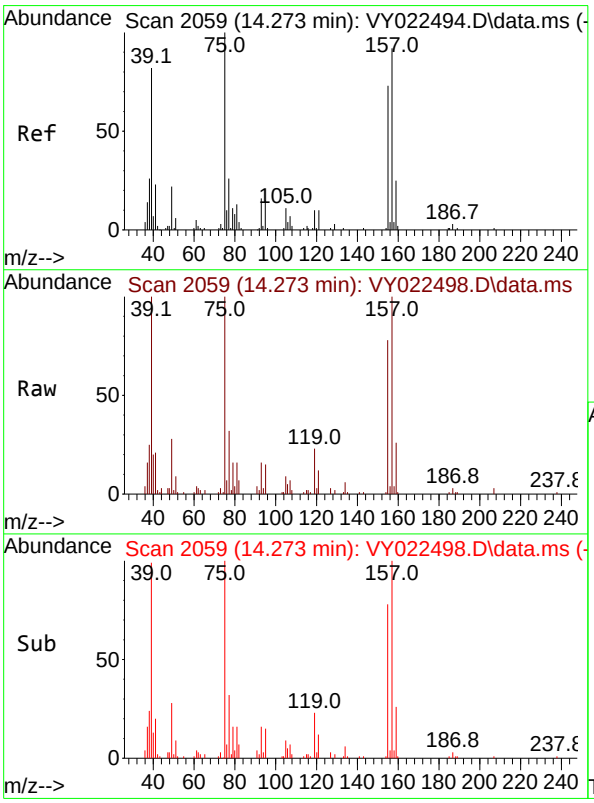
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

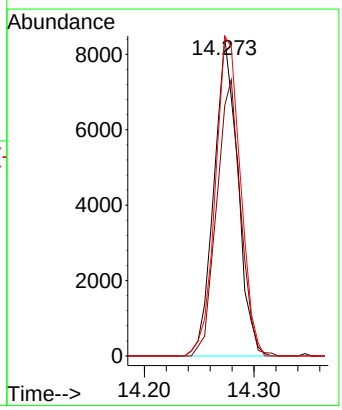
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

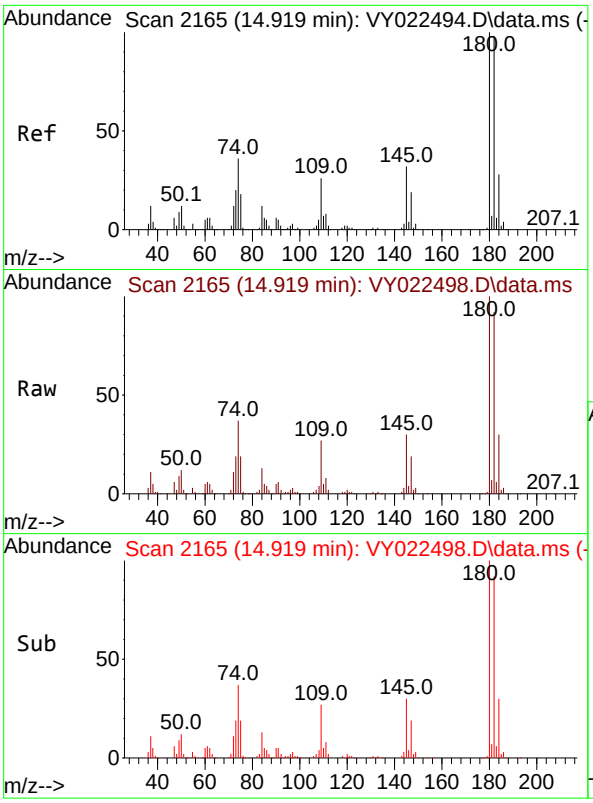


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.665 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 12728

Ion	Ratio	Lower	Upper
75	100		
155	87.1	39.9	119.6
157	105.8	54.0	162.0

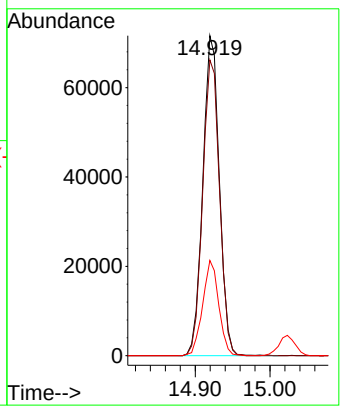




#93
1,2,4-Trichlorobenzene
Concen: 46.481 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 10974

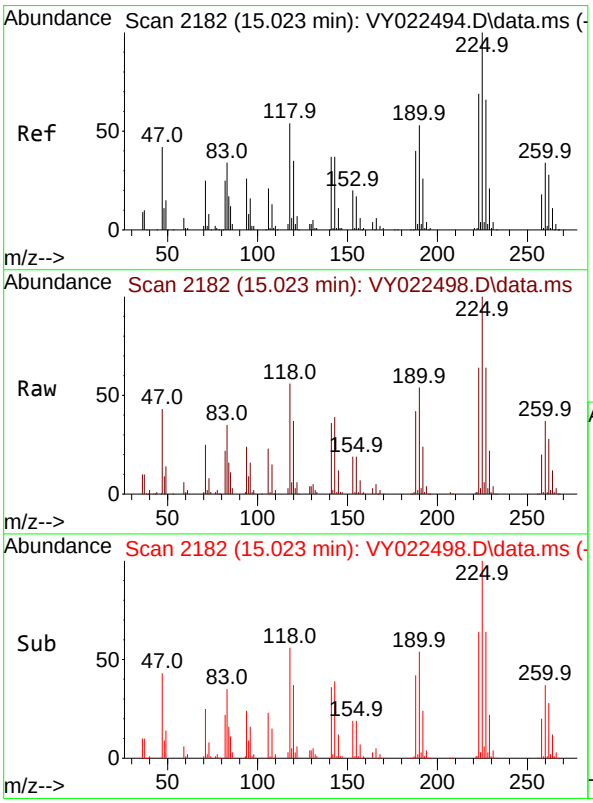
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.3
145	29.1	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

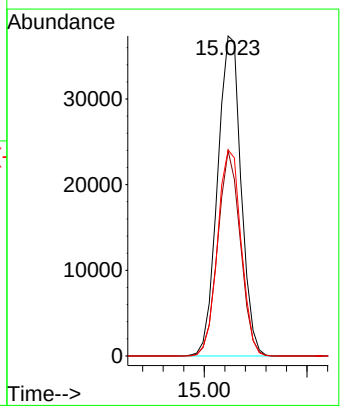
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

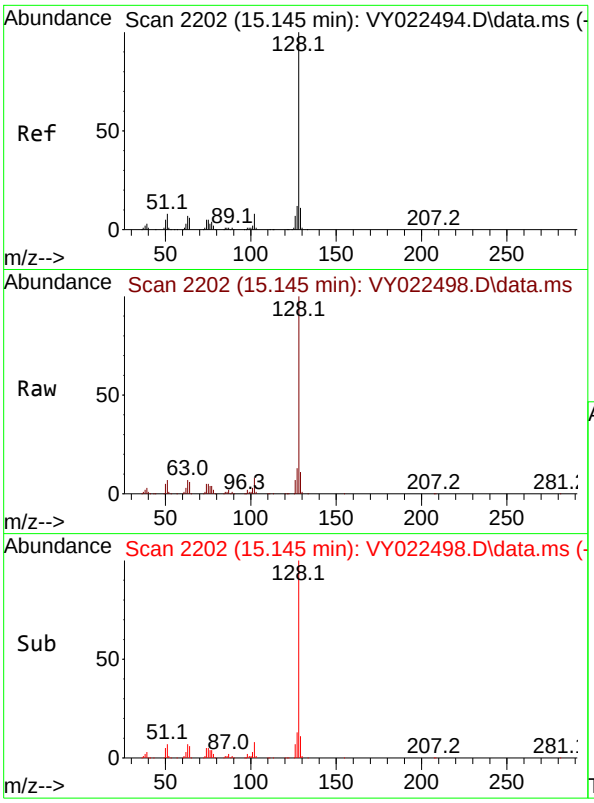


#94
Hexachlorobutadiene
Concen: 45.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:225 Resp: 59236

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.5	97.4
227	64.6	32.3	96.9

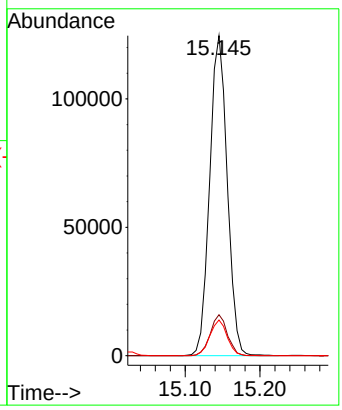




#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:128 Resp: 20392

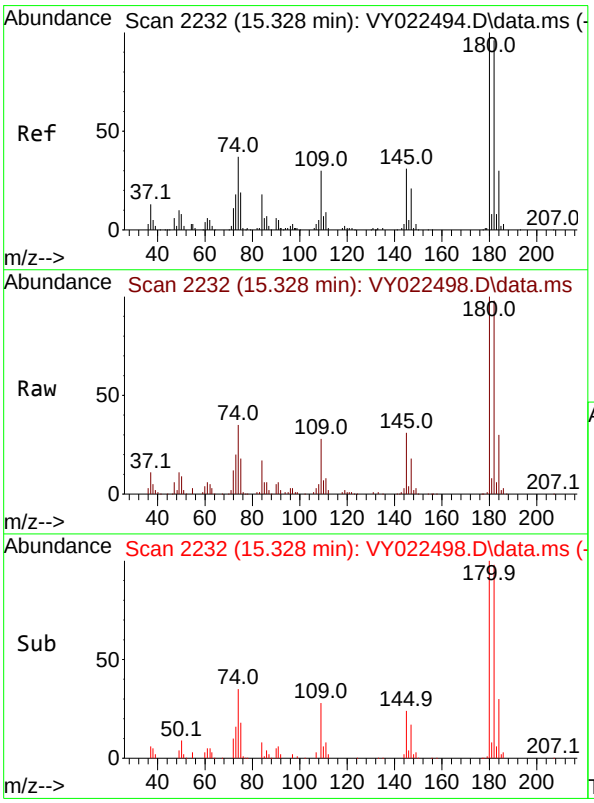
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

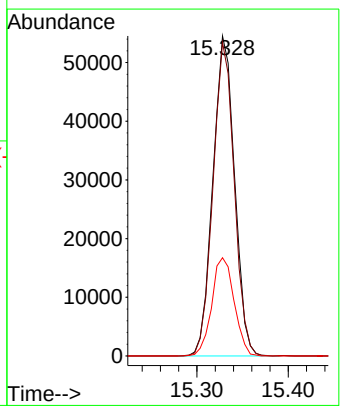
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.331 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 89699

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	31.8	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.448	0.383	14.5	97	0.00
3	P	Chloromethane	1.322	1.259	4.8	107	0.00
4	C	Vinyl Chloride	1.534	1.475	3.8#	103	0.00
5	T	Bromomethane	1.470	1.250	15.0	105	0.00
6	T	Chloroethane	1.053	0.939	10.8	102	0.00
7	T	Trichlorofluoromethane	1.302	1.237	5.0	105	0.00
8	T	Diethyl Ether	0.293	0.260	11.3	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.496	9.7	96	0.00
10	T	Methyl Iodide	0.594	0.533	10.3	86	0.00
11	T	Tert butyl alcohol	0.040	0.033	17.5	87	0.00
12	CM	1,1-Dichloroethene	0.524	0.485	7.4#	98	-0.01
13	T	Acrolein	0.050	0.044	12.0	97	0.00
14	T	Allyl chloride	0.823	0.755	8.3	98	0.00
15	T	Acrylonitrile	0.124	0.108	12.9	90	0.00
16	T	Acetone	0.114	0.101	11.4	91	0.00
17	T	Carbon Disulfide	1.679	1.559	7.1	98	0.00
18	T	Methyl Acetate	0.336	0.262	22.0	82	0.00
19	T	Methyl tert-butyl Ether	1.477	1.299	12.1	92	-0.01
20	T	Methylene Chloride	0.645	0.527	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.540	8.0	99	0.00
22	T	Diisopropyl ether	1.832	1.616	11.8	93	0.00
23	T	Vinyl Acetate	1.084	0.971	10.4	94	0.00
24	P	1,1-Dichloroethane	1.079	0.994	7.9	98	0.00
25	T	2-Butanone	0.164	0.145	11.6	90	0.00
26	T	2,2-Dichloropropane	0.954	0.890	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.624	8.0	96	0.00
28	T	Bromochloromethane	0.471	0.438	7.0	101	0.00
29	T	Tetrahydrofuran	0.106	0.089	16.0	89	0.00
30	C	Chloroform	1.069	0.982	8.1#	97	0.00
31	T	Cyclohexane	1.075	0.940	12.6	97	0.00
32	T	1,1,1-Trichloroethane	0.949	0.885	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.487	12.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.298	0.279	6.4	90	0.00
36	T	1,1-Dichloropropene	0.484	0.455	6.0	97	0.00
37	T	Ethyl Acetate	0.216	0.188	13.0	85	0.00
38	T	Carbon Tetrachloride	0.497	0.475	4.4	97	0.00
39	T	Methylcyclohexane	0.651	0.611	6.1	97	0.00
40	TM	Benzene	1.431	1.345	6.0	97	0.00
41	T	Methacrylonitrile	0.126	0.109	13.5	91	-0.01
42	TM	1,2-Dichloroethane	0.391	0.357	8.7	95	0.00
43	T	Isopropyl Acetate	0.467	0.412	11.8	90	0.00
44	TM	Trichloroethene	0.350	0.326	6.9	95	0.00
45	C	1,2-Dichloropropane	0.338	0.315	6.8#	95	0.00
46	T	Dibromomethane	0.190	0.177	6.8	95	0.00
47	T	Bromodichloromethane	0.482	0.452	6.2	96	0.00
48	T	Methyl methacrylate	0.219	0.194	11.4	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	-0.01
50	S	Toluene-d8	1.206	1.128	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.204	12.4	87	0.00
52	CM	Toluene	0.899	0.848	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	0.452	0.417	7.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.486	7.6	94	0.00
55	T	1,1,2-Trichloroethane	0.243	0.218	10.3	94	0.00
56	T	Ethyl methacrylate	0.351	0.316	10.0	91	0.00
57	T	1,3-Dichloropropane	0.430	0.393	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.155	2.5	101	0.00
59	T	2-Hexanone	0.156	0.137	12.2	88	0.00
60	T	Dibromochloromethane	0.308	0.278	9.7	92	0.00
61	T	1,2-Dibromoethane	0.221	0.203	8.1	95	0.00
62	S	4-Bromofluorobenzene	0.359	0.329	8.4	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.430	0.391	9.1	94	0.00
65	PM	Chlorobenzene	1.106	1.017	8.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.339	9.1	94	0.00
67	C	Ethyl Benzene	2.052	1.939	5.5#	98	0.00
68	T	m/p-Xylenes	0.778	0.727	6.6	97	0.00
69	T	o-Xylene	0.729	0.670	8.1	96	0.00
70	T	Styrene	1.206	1.129	6.4	96	0.00
71	P	Bromoform	0.198	0.178	10.1	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.105	3.853	6.1	97	0.00
74	T	N-amyl acetate	1.036	0.943	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.602	10.7	92	0.00
76	T	1,2,3-Trichloropropane	0.572	0.470	17.8	78	0.00
77	T	Bromobenzene	0.866	0.790	8.8	95	0.00
78	T	n-propylbenzene	5.014	4.683	6.6	96	0.00
79	T	2-Chlorotoluene	2.657	2.470	7.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.021	6.3	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.204	13.9	91	0.00
82	T	4-Chlorotoluene	2.741	2.538	7.4	95	0.00
83	T	tert-Butylbenzene	2.893	2.757	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.013	6.5	97	0.00
85	T	sec-Butylbenzene	4.430	4.186	5.5	98	0.00
86	T	p-Isopropyltoluene	3.652	3.456	5.4	98	0.00
87	T	1,3-Dichlorobenzene	1.755	1.612	8.1	97	0.00
88	T	1,4-Dichlorobenzene	1.702	1.536	9.8	94	0.00
89	T	n-Butylbenzene	3.464	3.324	4.0	98	0.00
90	T	Hexachloroethane	0.711	0.670	5.8	97	0.00
91	T	1,2-Dichlorobenzene	1.490	1.347	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.088	10.2	87	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.756	7.0	96	0.00
94	T	Hexachlorobutadiene	0.449	0.408	9.1	95	0.00
95	T	Naphthalene	1.560	1.404	10.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.618	11.3	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	42.825	14.3	97	0.00
3	P	Chloromethane	50.000	47.616	4.8	107	0.00
4	C	Vinyl Chloride	50.000	48.066	3.9#	103	0.00
5	T	Bromomethane	50.000	42.515	15.0	105	0.00
6	T	Chloroethane	50.000	44.575	10.8	102	0.00
7	T	Trichlorofluoromethane	50.000	47.475	5.0	105	0.00
8	T	Diethyl Ether	50.000	44.247	11.5	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.230	9.5	96	0.00
10	T	Methyl Iodide	50.000	44.885	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	205.761	17.7	87	0.00
12	CM	1,1-Dichloroethene	50.000	46.234	7.5#	98	-0.01
13	T	Acrolein	250.000	223.473	10.6	97	0.00
14	T	Allyl chloride	50.000	45.834	8.3	98	0.00
15	T	Acrylonitrile	250.000	216.963	13.2	90	0.00
16	T	Acetone	250.000	221.854	11.3	91	0.00
17	T	Carbon Disulfide	50.000	46.432	7.1	98	0.00
18	T	Methyl Acetate	50.000	38.935	22.1	82	0.00
19	T	Methyl tert-butyl Ether	50.000	43.974	12.1	92	-0.01
20	T	Methylene Chloride	50.000	40.875	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.024	8.0	99	0.00
22	T	Diisopropyl ether	50.000	44.104	11.8	93	0.00
23	T	Vinyl Acetate	250.000	223.951	10.4	94	0.00
24	P	1,1-Dichloroethane	50.000	46.053	7.9	98	0.00
25	T	2-Butanone	250.000	220.736	11.7	90	0.00
26	T	2,2-Dichloropropane	50.000	46.639	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.024	8.0	96	0.00
28	T	Bromochloromethane	50.000	46.547	6.9	101	0.00
29	T	Tetrahydrofuran	250.000	211.767	15.3	89	0.00
30	C	Chloroform	50.000	45.919	8.2#	97	0.00
31	T	Cyclohexane	50.000	43.757	12.5	97	0.00
32	T	1,1,1-Trichloroethane	50.000	46.627	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.538	12.9	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	46.676	6.6	90	0.00
36	T	1,1-Dichloropropene	50.000	46.978	6.0	97	0.00
37	T	Ethyl Acetate	50.000	43.605	12.8	85	0.00
38	T	Carbon Tetrachloride	50.000	47.747	4.5	97	0.00
39	T	Methylcyclohexane	50.000	46.923	6.2	97	0.00
40	TM	Benzene	50.000	47.020	6.0	97	0.00
41	T	Methacrylonitrile	50.000	43.134	13.7	91	-0.01
42	TM	1,2-Dichloroethane	50.000	45.644	8.7	95	0.00
43	T	Isopropyl Acetate	50.000	44.122	11.8	90	0.00
44	TM	Trichloroethene	50.000	46.609	6.8	95	0.00
45	C	1,2-Dichloropropane	50.000	46.587	6.8#	95	0.00
46	T	Dibromomethane	50.000	46.430	7.1	95	0.00
47	T	Bromodichloromethane	50.000	46.825	6.3	96	0.00
48	T	Methyl methacrylate	50.000	44.198	11.6	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	816.553	18.3	88	-0.01
50	S	Toluene-d8	50.000	46.760	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	219.250	12.3	87	0.00
52	CM	Toluene	50.000	47.137	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	46.094	7.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.206	7.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	44.953	10.1	94	0.00
56	T	Ethyl methacrylate	50.000	45.029	9.9	91	0.00
57	T	1,3-Dichloropropane	50.000	45.696	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.746	2.5	101	0.00
59	T	2-Hexanone	250.000	220.088	12.0	88	0.00
60	T	Dibromochloromethane	50.000	45.114	9.8	92	0.00
61	T	1,2-Dibromoethane	50.000	45.960	8.1	95	0.00
62	S	4-Bromofluorobenzene	50.000	45.847	8.3	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	45.398	9.2	94	0.00
65	PM	Chlorobenzene	50.000	45.953	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.464	9.1	94	0.00
67	C	Ethyl Benzene	50.000	47.248	5.5#	98	0.00
68	T	m/p-Xylenes	100.000	93.473	6.5	97	0.00
69	T	o-Xylene	50.000	45.959	8.1	96	0.00
70	T	Styrene	50.000	46.815	6.4	96	0.00
71	P	Bromoform	50.000	44.852	10.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.933	6.1	97	0.00
74	T	N-amyl acetate	50.000	45.502	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.656	10.7	92	0.00
76	T	1,2,3-Trichloropropane	50.000	41.103	17.8	78	0.00
77	T	Bromobenzene	50.000	45.607	8.8	95	0.00
78	T	n-propylbenzene	50.000	46.696	6.6	96	0.00
79	T	2-Chlorotoluene	50.000	46.472	7.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.876	6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.968	14.1	91	0.00
82	T	4-Chlorotoluene	50.000	46.289	7.4	95	0.00
83	T	tert-Butylbenzene	50.000	47.655	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.735	6.5	97	0.00
85	T	sec-Butylbenzene	50.000	47.241	5.5	98	0.00
86	T	p-Isopropyltoluene	50.000	47.321	5.4	98	0.00
87	T	1,3-Dichlorobenzene	50.000	45.932	8.1	97	0.00
88	T	1,4-Dichlorobenzene	50.000	45.113	9.8	94	0.00
89	T	n-Butylbenzene	50.000	47.968	4.1	98	0.00
90	T	Hexachloroethane	50.000	47.101	5.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	45.213	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.665	10.7	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.481	7.0	96	0.00
94	T	Hexachlorobutadiene	50.000	45.457	9.1	95	0.00
95	T	Naphthalene	50.000	45.009	10.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	44.331	11.3	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 09:59

Lab File ID: VY022652.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.400		-10.71	20
Chloromethane	1.322	1.372	0.1	3.78	20
Vinyl Chloride	1.534	1.715		11.8	20
Bromomethane	1.470	1.318		-10.34	20
Chloroethane	1.053	1.122		6.55	20
Tetrahydrofuran	0.106	0.101		-4.72	20
Trichlorofluoromethane	1.302	1.417		8.83	20
1,1,2-Trichlorotrifluoroethane	0.549	0.546		-0.55	20
1,1-Dichloroethene	0.524	0.510		-2.67	20
Acrylonitrile	0.124	0.123		-0.81	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.592		-5.18	20
Methyl tert-butyl Ether	1.477	1.440		-2.51	20
Methylene Chloride	0.645	0.603		-6.51	20
trans-1,2-Dichloroethene	0.587	0.581		-1.02	20
1,1-Dichloroethane	1.079	1.099	0.1	1.85	20
2-Butanone	0.164	0.155		-5.49	20
Carbon Tetrachloride	0.497	0.510		2.62	20
2,2-Dichloropropane	0.954	0.951		-0.31	20
cis-1,2-Dichloroethene	0.678	0.683		0.74	20
Chloroform	1.069	1.111		3.93	20
1,1,1-Trichloroethane	0.949	0.973		2.53	20
1,1-Dichloropropene	0.484	0.483		-0.21	20
Benzene	1.431	1.466		2.45	20
1,2-Dichloroethane	0.391	0.400		2.3	20
Trichloroethene	0.350	0.369		5.43	20
1,2-Dichloropropane	0.338	0.348		2.96	20
Dibromomethane	0.190	0.199		4.74	20
Bromodichloromethane	0.482	0.509		5.6	20
4-Methyl-2-Pentanone	0.233	0.231		-0.86	20
Toluene	0.899	0.932		3.67	20
t-1,3-Dichloropropene	0.452	0.468		3.54	20
cis-1,3-Dichloropropene	0.526	0.538		2.28	20
1,1,2-Trichloroethane	0.243	0.246		1.24	20
1,3-Dichloropropane	0.430	0.438		1.86	20
2-Hexanone	0.156	0.151		-3.2	20
Dibromochloromethane	0.308	0.320		3.9	20
1,2-Dibromoethane	0.221	0.228		3.17	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 09:59

Lab File ID: VY022652.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.430	0.499		16.05	20
Chlorobenzene	1.106	1.154	0.3	4.34	20
1,1,1,2-Tetrachloroethane	0.373	0.389		4.29	20
Ethyl Benzene	2.052	2.116		3.12	20
m/p-Xylenes	0.778	0.799		2.7	20
o-Xylene	0.729	0.761		4.39	20
Styrene	1.206	1.258		4.31	20
Bromoform	0.198	0.200	0.1	1.01	20
Isopropylbenzene	4.105	4.205		2.41	20
1,1,2,2-Tetrachloroethane	0.674	0.637	0.3	-5.49	20
1,2,3-Trichloropropane	0.572	0.491		-14.16	20
Bromobenzene	0.866	0.870		0.46	20
n-propylbenzene	5.014	5.099		1.7	20
2-Chlorotoluene	2.657	2.685		1.05	20
1,3,5-Trimethylbenzene	3.223	3.289		2.05	20
4-Chlorotoluene	2.741	2.744		0.11	20
tert-Butylbenzene	2.893	2.942		1.69	20
1,2,4-Trimethylbenzene	3.223	3.257		1.05	20
sec-Butylbenzene	4.430	4.483		1.2	20
p-Isopropyltoluene	3.652	3.744		2.52	20
1,3-Dichlorobenzene	1.755	1.803		2.73	20
1,4-Dichlorobenzene	1.702	1.701		-0.06	20
n-Butylbenzene	3.464	3.515		1.47	20
1,2-Dichlorobenzene	1.490	1.547		3.83	20
1,2-Dibromo-3-Chloropropane	0.098	0.097		-1.02	20
1,2,4-Trichlorobenzene	0.813	0.809		-0.49	20
Hexachlorobutadiene	0.449	0.458		2	20
1,2,3-Trichlorobenzene	0.697	0.687		-1.43	20
1,2-Dichloroethane-d4	0.559	0.596		6.62	20
Dibromofluoromethane	0.298	0.327		9.73	20
Toluene-d8	1.206	1.324		9.78	20
4-Bromofluorobenzene	0.359	0.388		8.08	20
trans-1,4-Dichloro-2-butene	0.237	0.230		-2.95	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\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	157578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	265316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93928	53.295	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.580%			
35) Dibromofluoromethane	7.634	113	86674	54.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.460%			
50) Toluene-d8	10.103	98	351227	54.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.780%			
62) 4-Bromofluorobenzene	12.408	95	102854	53.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	62968	44.633	ug/l	98
3) Chloromethane	2.068	50	216228	51.880	ug/l	98
4) Vinyl Chloride	2.202	62	270265	55.897	ug/l	99
5) Bromomethane	2.592	94	207702	44.819	ug/l	100
6) Chloroethane	2.732	64	176816	53.279	ug/l	95
7) Trichlorofluoromethane	3.049	101	223253	54.391	ug/l	98
8) Diethyl Ether	3.458	74	44893	48.566	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	85998	49.746	ug/l	99
10) Methyl Iodide	4.007	142	94198	50.351	ug/l	99
11) Tert butyl alcohol	4.872	59	29329	232.995	ug/l	100
12) 1,1-Dichloroethene	3.787	96	80437	48.677	ug/l	95
13) Acrolein	3.653	56	18057	115.103	ug/l	98
14) Allyl chloride	4.378	41	121177	46.712	ug/l	98
15) Acrylonitrile	5.061	53	96935	247.609	ug/l	100
16) Acetone	3.879	43	76054	212.487	ug/l	94
17) Carbon Disulfide	4.104	76	250870	47.420	ug/l	99
18) Methyl Acetate	4.391	43	53562	50.535	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	226943	48.760	ug/l	99
20) Methylene Chloride	4.616	84	94990	46.721	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	91576	49.515	ug/l	88
22) Diisopropyl ether	6.018	45	283820	49.152	ug/l	98
23) Vinyl Acetate	5.964	43	813591	238.054	ug/l	98
24) 1,1-Dichloroethane	5.915	63	173175	50.908	ug/l	99
25) 2-Butanone	6.896	43	122054	236.409	ug/l	99
26) 2,2-Dichloropropane	6.890	77	149781	49.833	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	107570	50.321	ug/l	98
28) Bromochloromethane	7.244	49	76022	51.267	ug/l	98
29) Tetrahydrofuran	7.268	42	79406	238.466	ug/l	99
30) Chloroform	7.421	83	175028	51.947	ug/l	96
31) Cyclohexane	7.701	56	149209	44.059	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	153283	51.247	ug/l	99
36) 1,1-Dichloropropene	7.835	75	128210	49.883	ug/l	99
37) Ethyl Acetate	6.982	43	55795m	48.679	ug/l	
38) Carbon Tetrachloride	7.817	117	135428	51.363	ug/l	99
39) Methylcyclohexane	9.109	83	164532	47.635	ug/l	97
40) Benzene	8.079	78	388821	51.219	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	32009	47.810	ug/l		99
42) 1,2-Dichloroethane	8.158	62	106146	51.210	ug/l		98
43) Isopropyl Acetate	8.201	43	117992	47.665	ug/l		100
44) Trichloroethene	8.866	130	97879	52.755	ug/l		98
45) 1,2-Dichloropropane	9.140	63	92401	51.503	ug/l		99
46) Dibromomethane	9.231	93	52912	52.423	ug/l		98
47) Bromodichloromethane	9.420	83	135175	52.817	ug/l		100
48) Methyl methacrylate	9.219	41	54646	47.036	ug/l		93
49) 1,4-Dioxane	9.237	88	11374	951.195	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	306364	248.232	ug/l		99
52) Toluene	10.170	92	247331	51.844	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	124050	51.731	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	142700	51.121	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	65190	50.652	ug/l		95
56) Ethyl methacrylate	10.438	69	92549	49.753	ug/l		98
57) 1,3-Dichloropropane	10.719	76	116284	50.976	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	231530	274.143	ug/l		99
59) 2-Hexanone	10.762	43	200444	242.841	ug/l		100
60) Dibromochloromethane	10.908	129	84902	51.909	ug/l		99
61) 1,2-Dibromoethane	11.011	107	60454	51.536	ug/l		98
64) Tetrachloroethene	10.646	164	113126	57.985	ug/l		96
65) Chlorobenzene	11.438	112	261829	52.170	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	88180	52.156	ug/l		99
67) Ethyl Benzene	11.517	91	479857	51.549	ug/l		99
68) m/p-Xylenes	11.627	106	362462	102.714	ug/l		99
69) o-Xylene	11.956	106	172493	52.136	ug/l		96
70) Styrene	11.969	104	285228	52.154	ug/l		98
71) Bromoform	12.133	173	45337	50.392	ug/l	#	98
73) Isopropylbenzene	12.255	105	449360	51.212	ug/l		99
74) N-amyl acetate	12.072	43	105483	47.644	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	68065	47.263	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	52480m	42.921	ug/l		
77) Bromobenzene	12.529	156	92990	50.220	ug/l		98
78) n-propylbenzene	12.597	91	544933	50.847	ug/l		99
79) 2-Chlorotoluene	12.676	91	286949	50.518	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	351549	51.032	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	24542	48.473	ug/l		96
82) 4-Chlorotoluene	12.779	91	293231	50.043	ug/l		99
83) tert-Butylbenzene	12.999	119	314442	50.858	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	348078	50.520	ug/l		99
85) sec-Butylbenzene	13.176	105	479100	50.596	ug/l		100
86) p-Isopropyltoluene	13.292	119	400127	51.264	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	192662	51.355	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	181764	49.953	ug/l		100
89) n-Butylbenzene	13.615	91	375701	50.734	ug/l		100
90) Hexachloroethane	13.877	117	78797	51.856	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	165313	51.900	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10373	49.472	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	86435	49.755	ug/l		99
94) Hexachlorobutadiene	15.023	225	48899	50.999	ug/l		98
95) Naphthalene	15.145	128	162310	48.688	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	73426	49.319	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

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\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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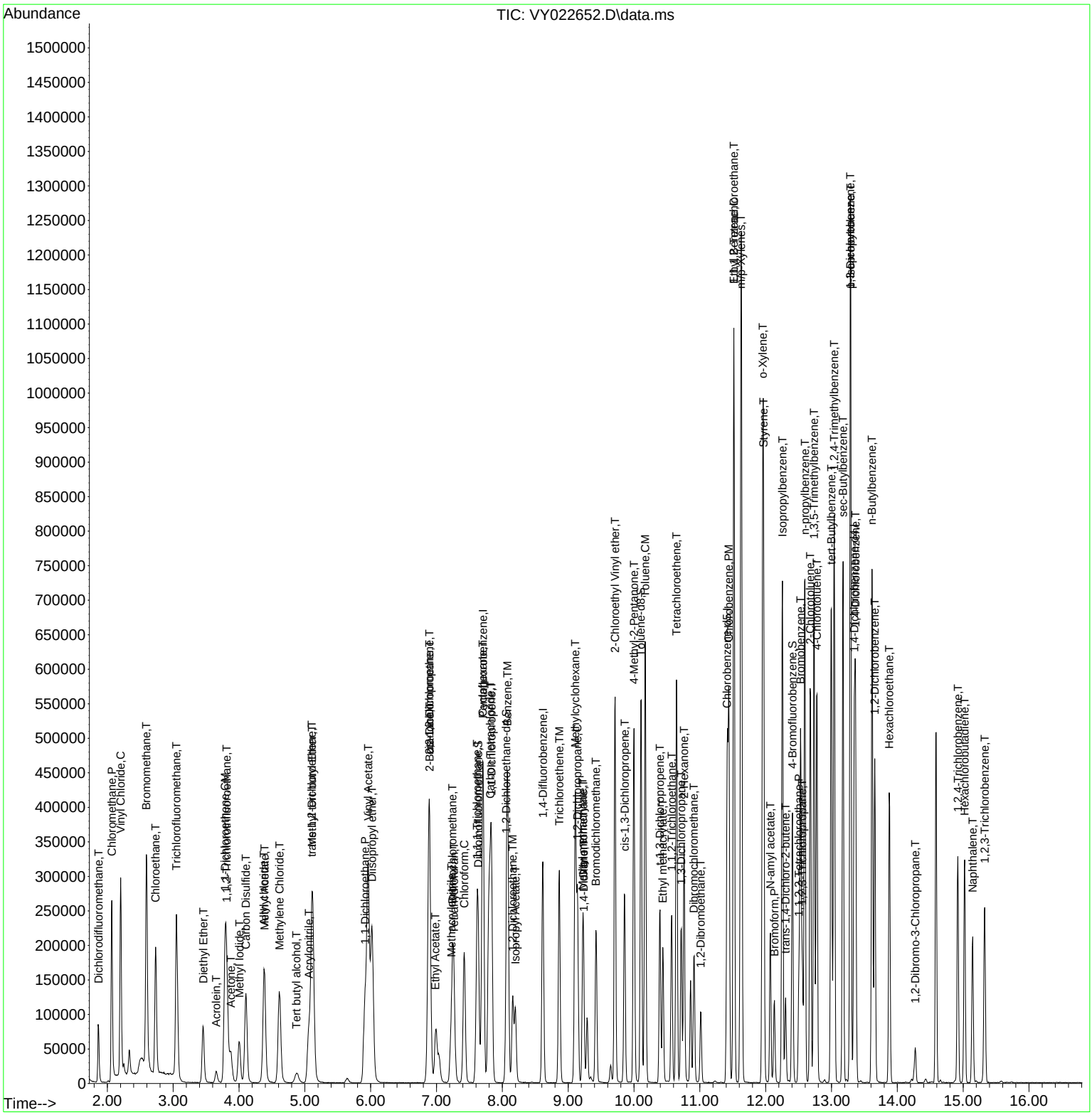
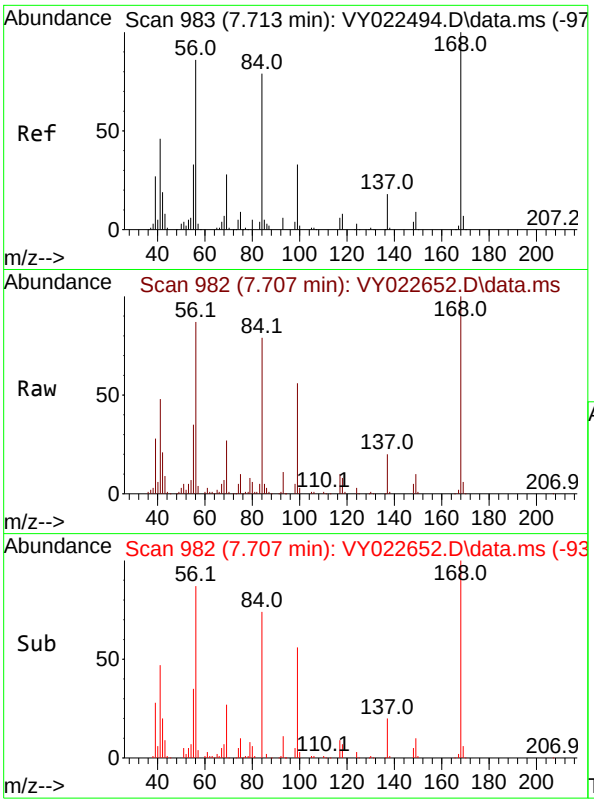
Supervised By :Semsettin Yesilyurt 06/12/2025

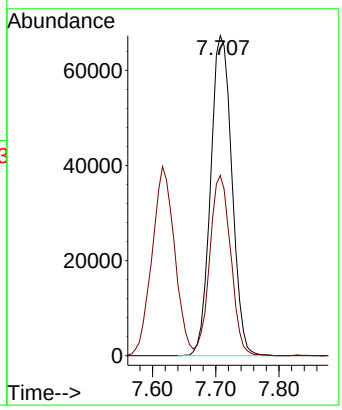




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:168 Resp: 15757

Ion	Ratio	Lower	Upper
168	100		
99	56.3	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
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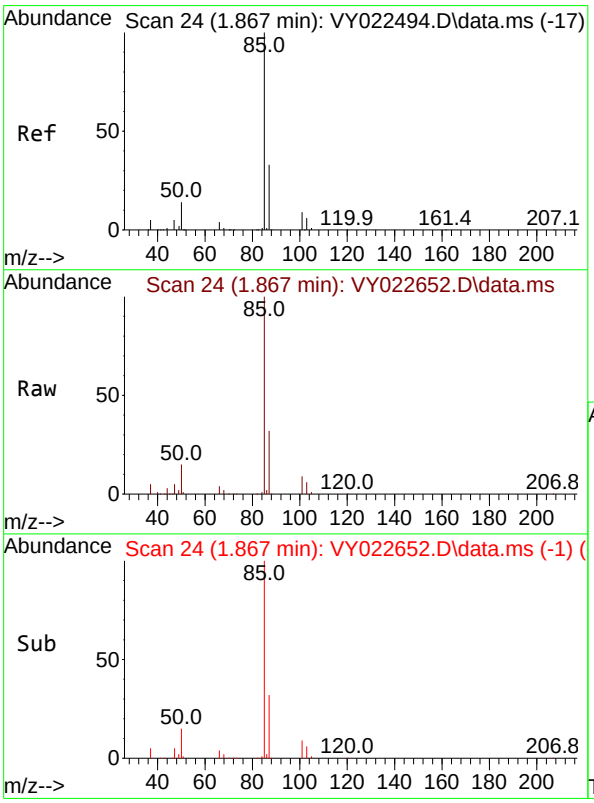
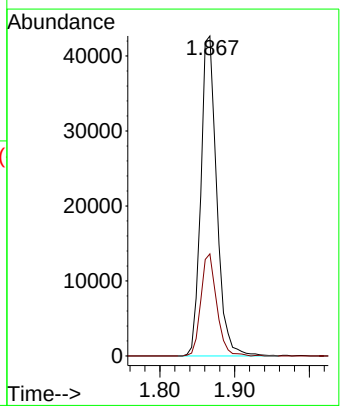
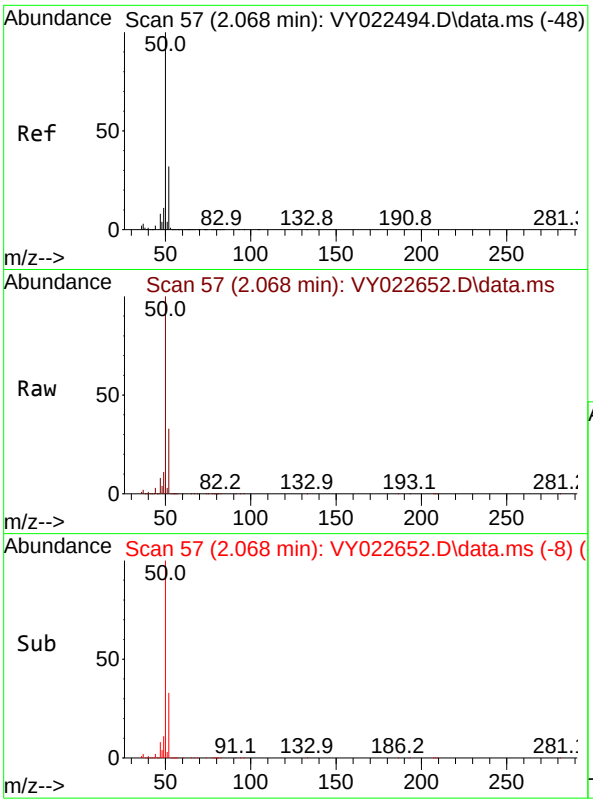


#2
Dichlorodifluoromethane
Concen: 44.633 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 85 Resp: 62968

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.7	50.0

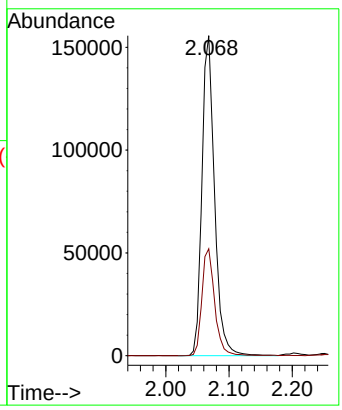




#3
Chloromethane
Concen: 51.880 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 50 Resp: 21622

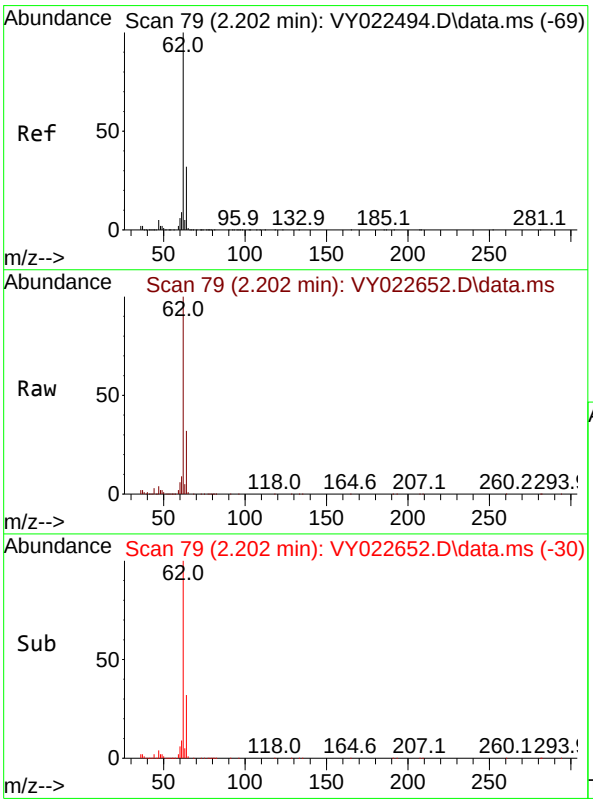
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

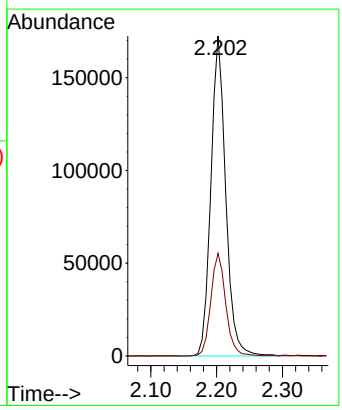
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

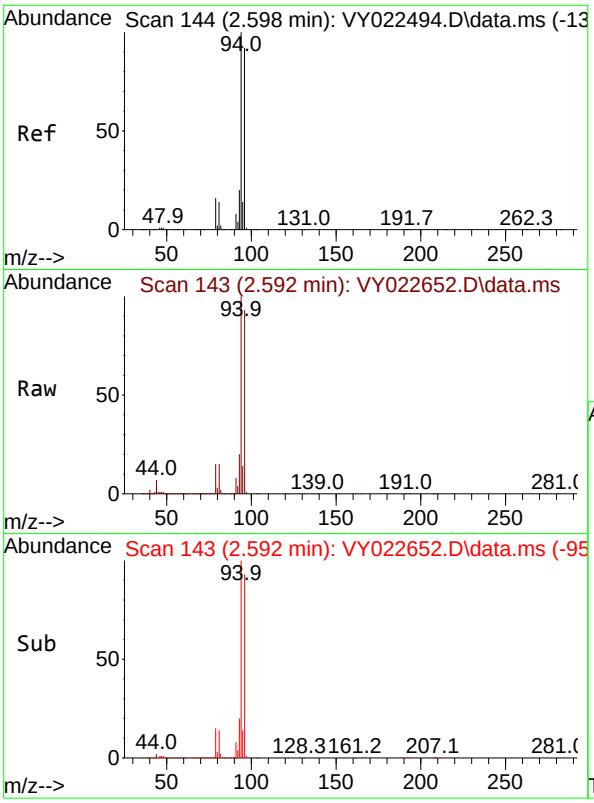


#4
Vinyl Chloride
Concen: 55.897 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 62 Resp: 270265

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9

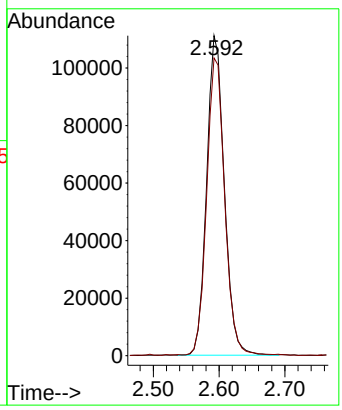




#5
Bromomethane
Concen: 44.819 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 94 Resp: 20770

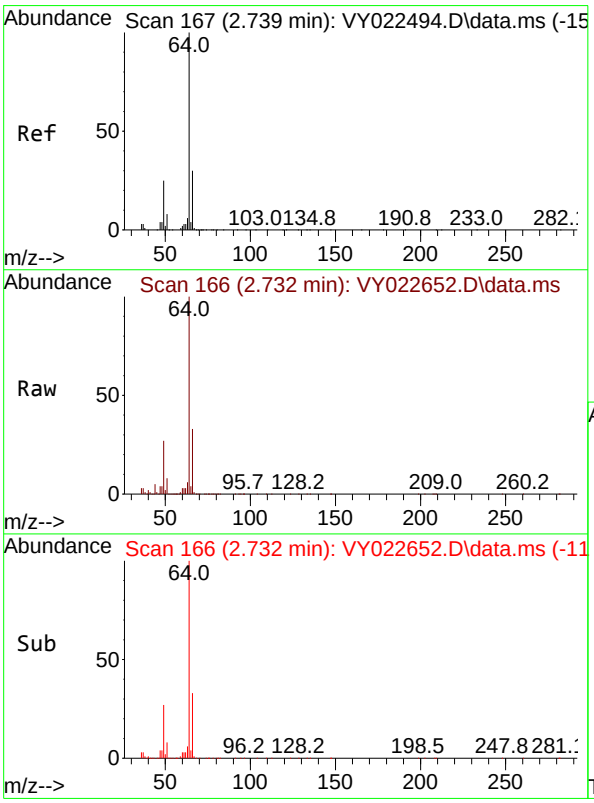
Ion	Ratio	Lower	Upper
94	100		
96	92.8	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

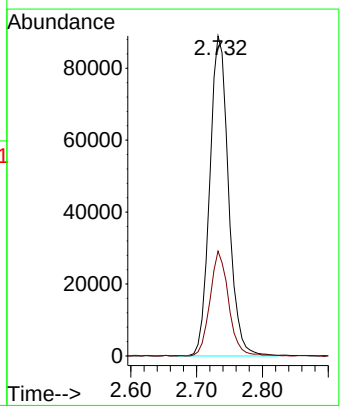
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

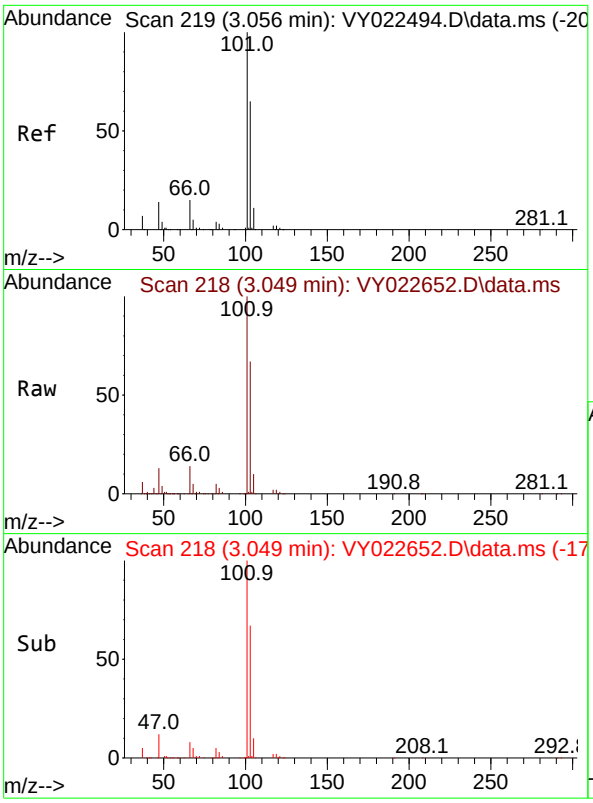


#6
Chloroethane
Concen: 53.279 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 64 Resp: 176816

Ion	Ratio	Lower	Upper
64	100		
66	32.6	23.8	35.6





#7
Trichlorofluoromethane
Concen: 54.391 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

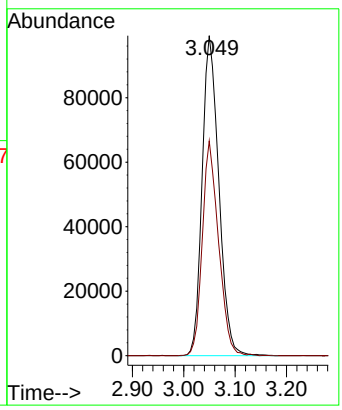
Tgt Ion:101 Resp: 22325

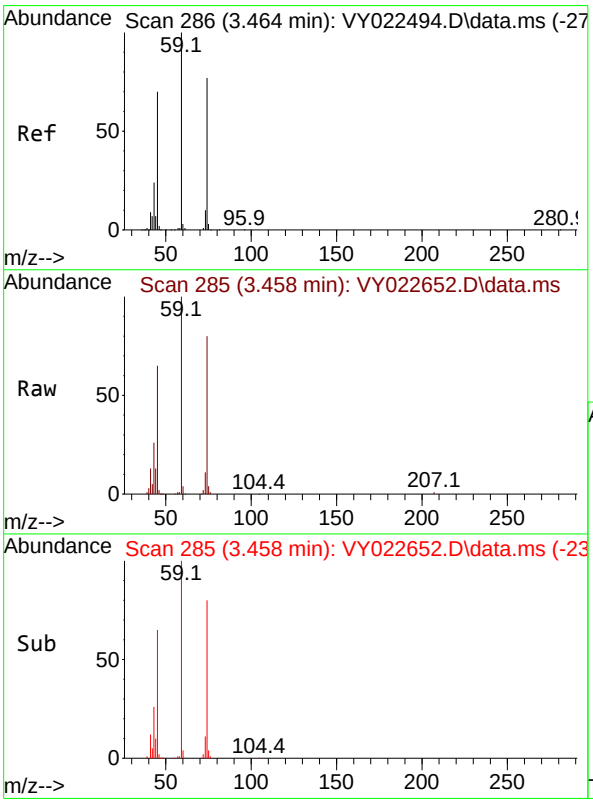
Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

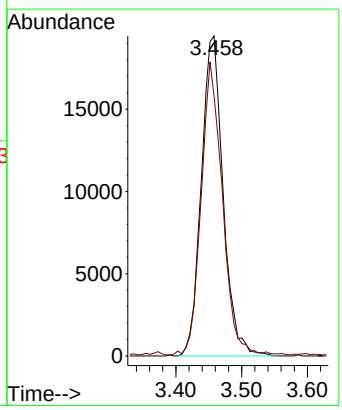


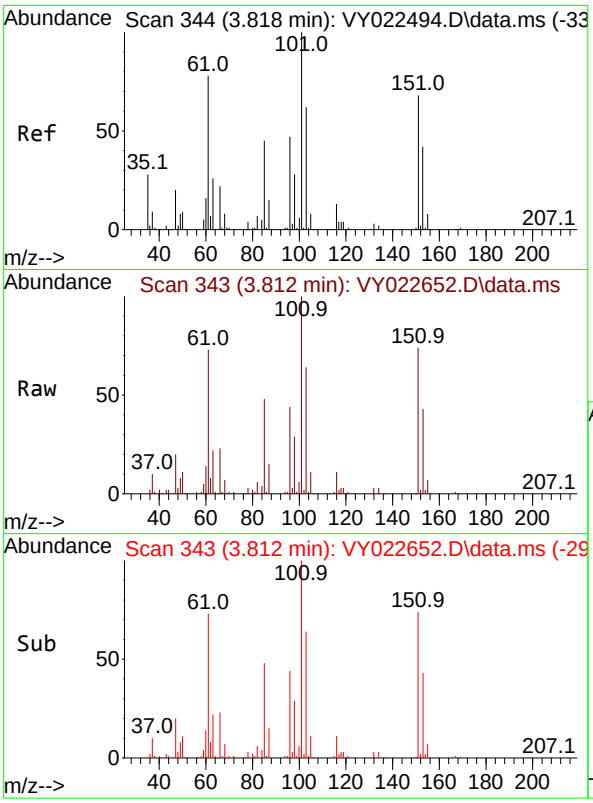


#8
Diethyl Ether
Concen: 48.566 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 74 Resp: 44893

Ion	Ratio	Lower	Upper
74	100		
45	88.5	45.9	137.6

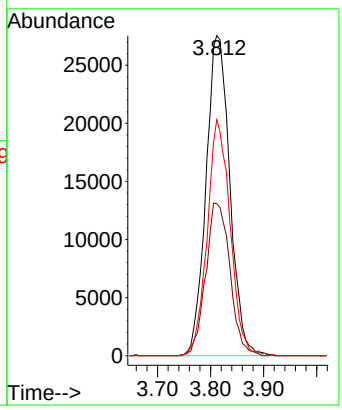




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.746 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:101 Resp: 8599

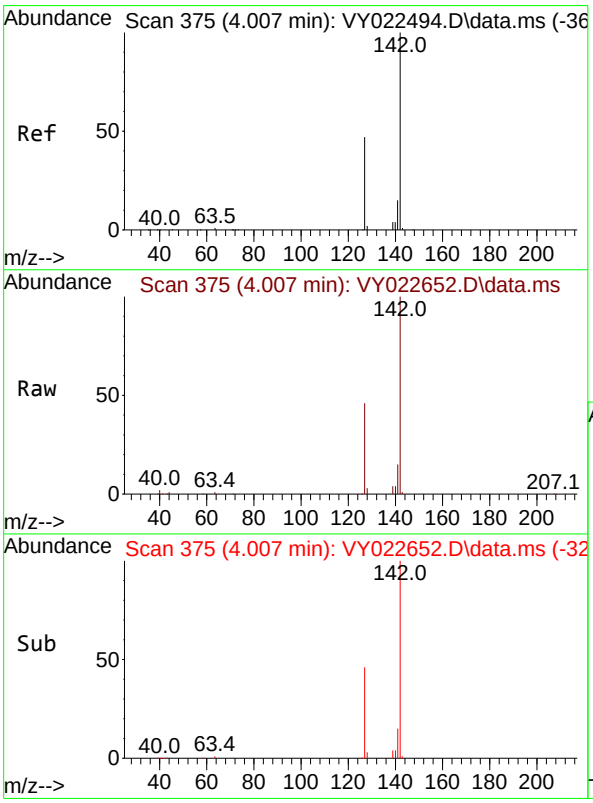
Ion	Ratio	Lower	Upper
101	100		
85	48.5	39.3	58.9
151	71.0	57.8	86.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

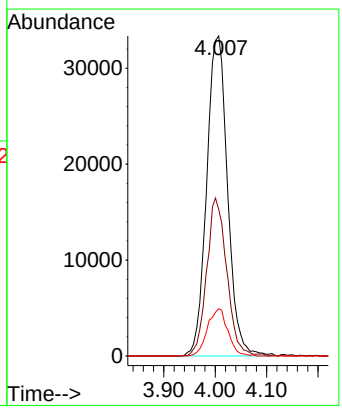
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

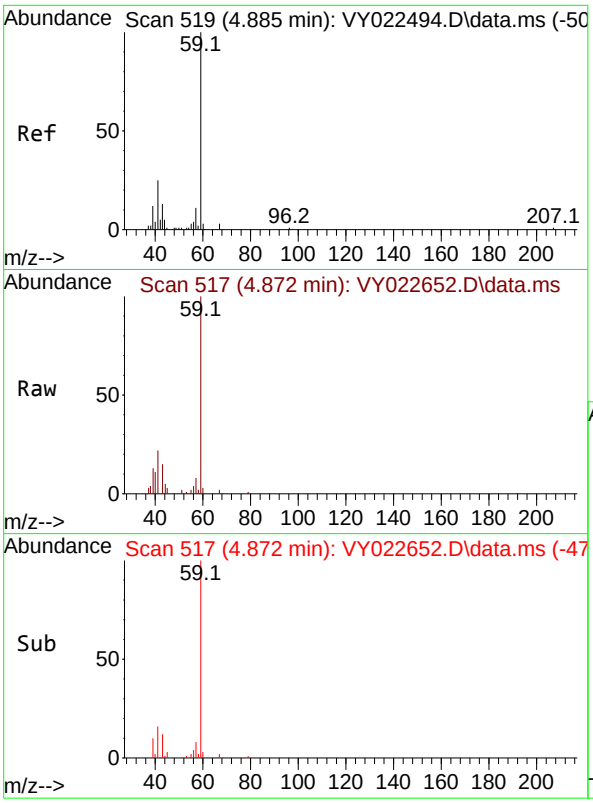


#10
Methyl Iodide
Concen: 50.351 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:142 Resp: 94198

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.4	11.4	17.2

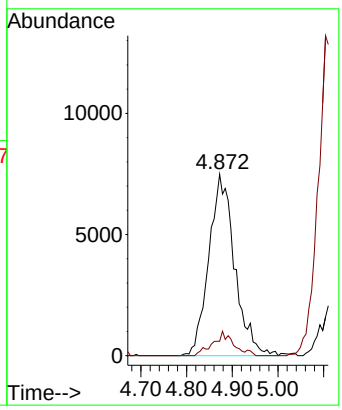




#11
Tert butyl alcohol
Concen: 232.995 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 59 Resp: 2932

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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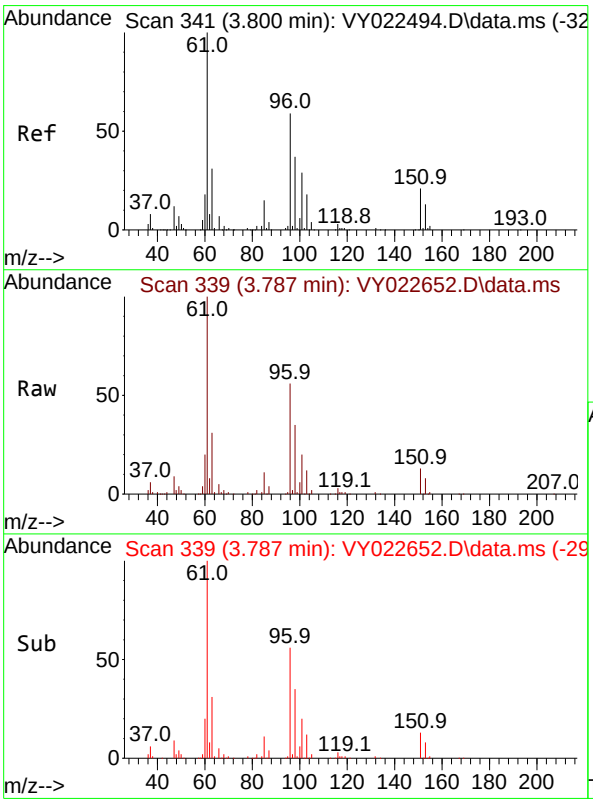
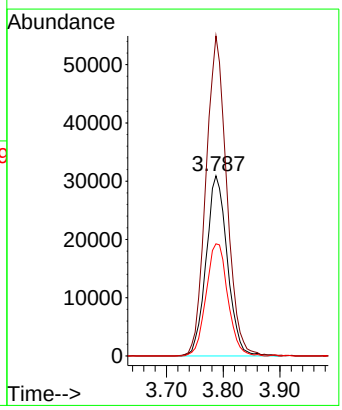
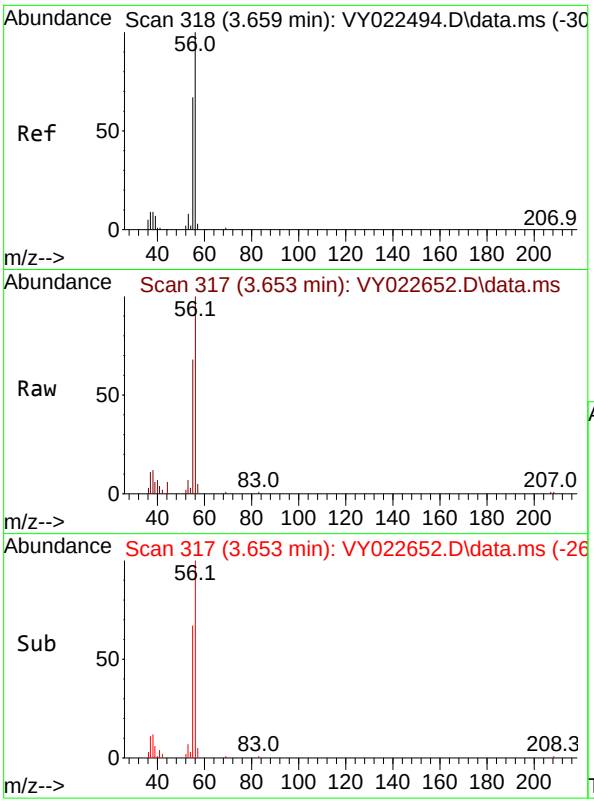


#12
1,1-Dichloroethene
Concen: 48.677 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 96 Resp: 80437

Ion	Ratio	Lower	Upper
96	100		
61	177.4	134.6	201.8
98	62.2	50.2	75.4

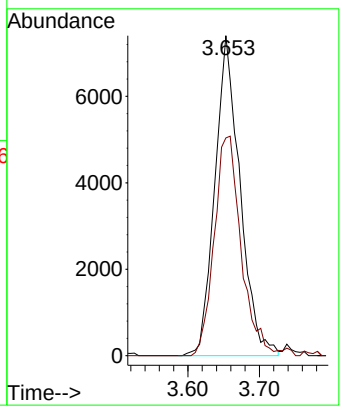




#13
Acrolein
Concen: 115.103 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 56 Resp: 1805

Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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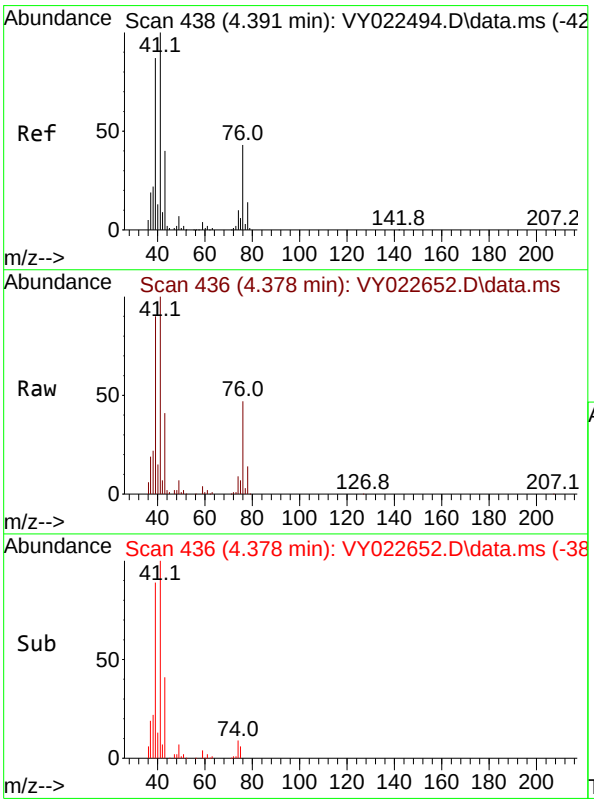
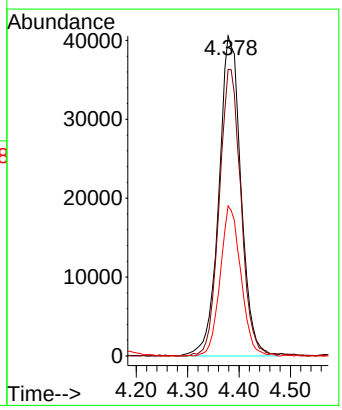
Supervised By :Semsettin Yesilyurt 06/12/2025

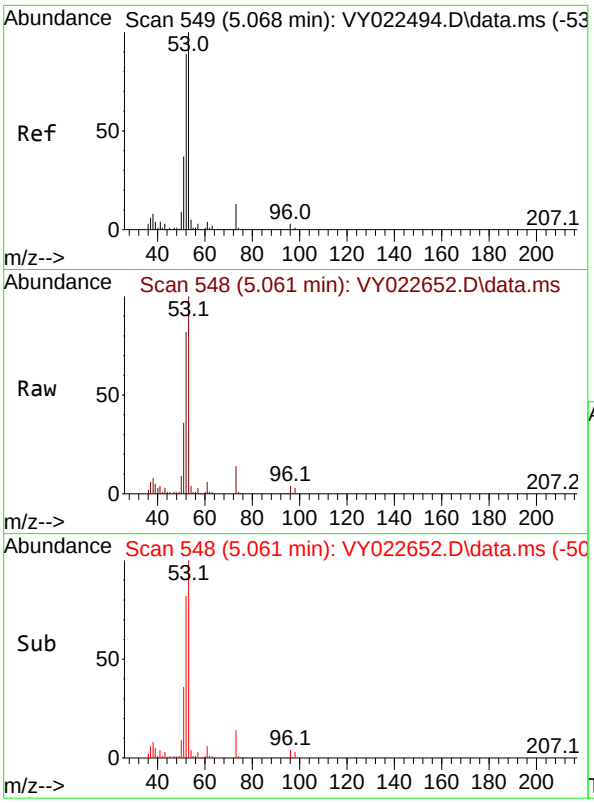


#14
Allyl chloride
Concen: 46.712 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 41 Resp: 121177

Ion	Ratio	Lower	Upper
41	100		
39	87.9	69.1	103.7
76	43.9	33.5	50.3

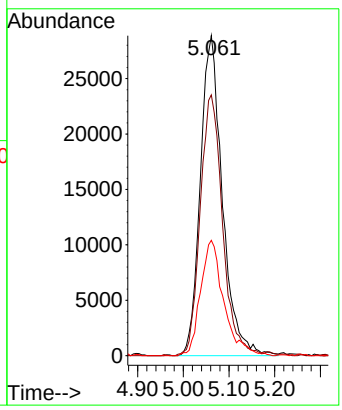




#15
Acrylonitrile
Concen: 247.609 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 53 Resp: 9693

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	38.0	30.1	45.1



Instrument :
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ClientSampleId :
VSTDCCC050

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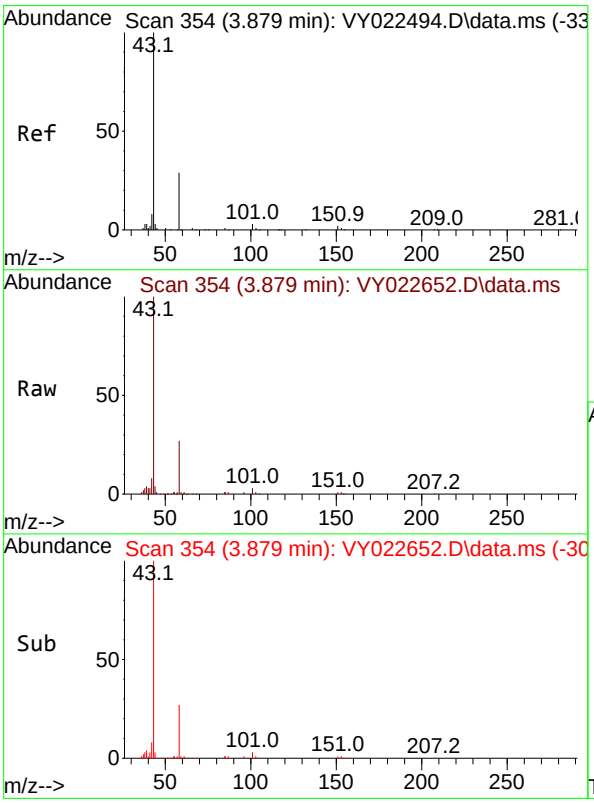
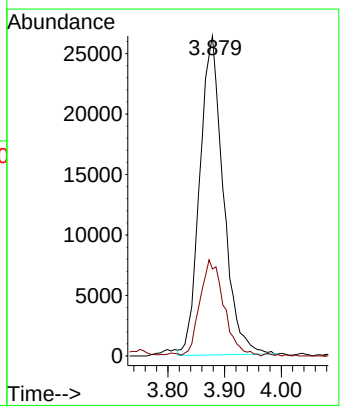
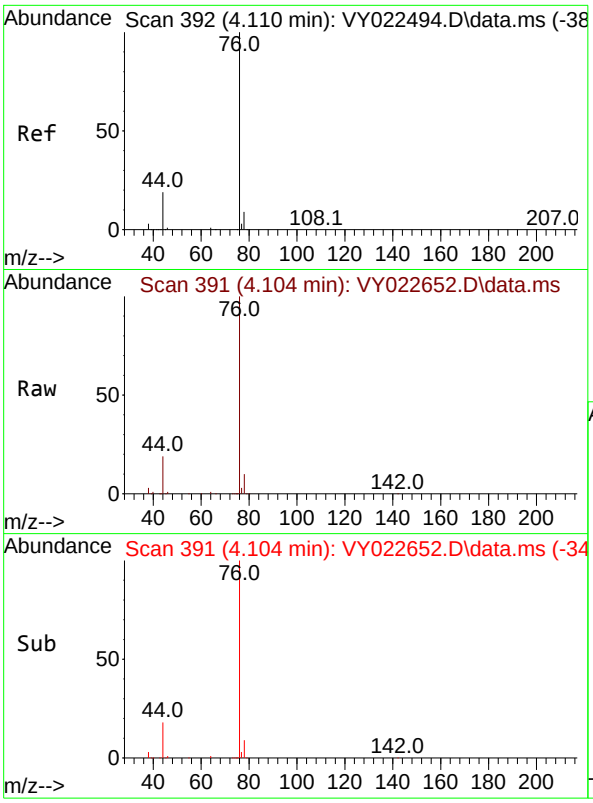


#16
Acetone
Concen: 212.487 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 76054

Ion	Ratio	Lower	Upper
43	100		
58	27.0	24.0	36.0

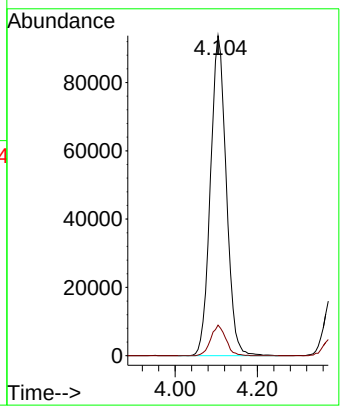




#17
Carbon Disulfide
Concen: 47.420 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 76 Resp: 25087

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2



Instrument :
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ClientSampleId :
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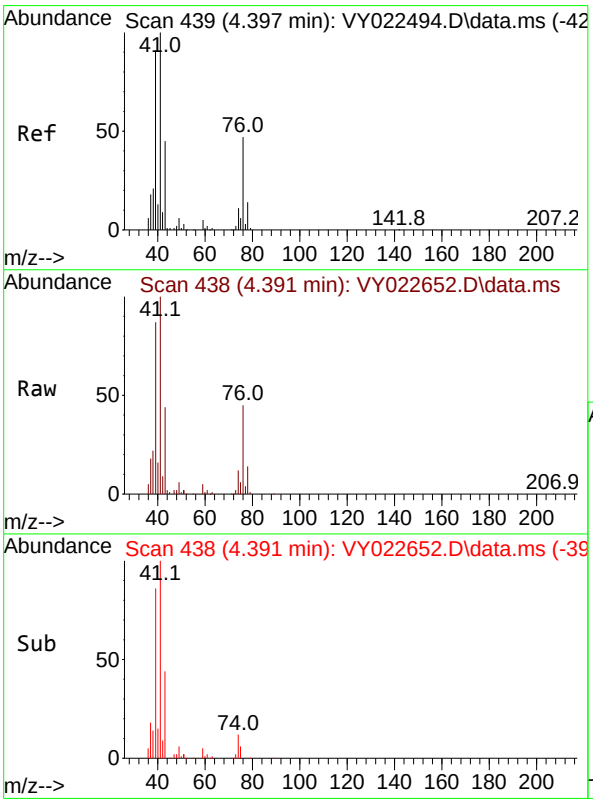
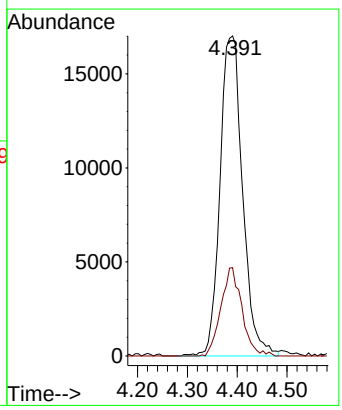
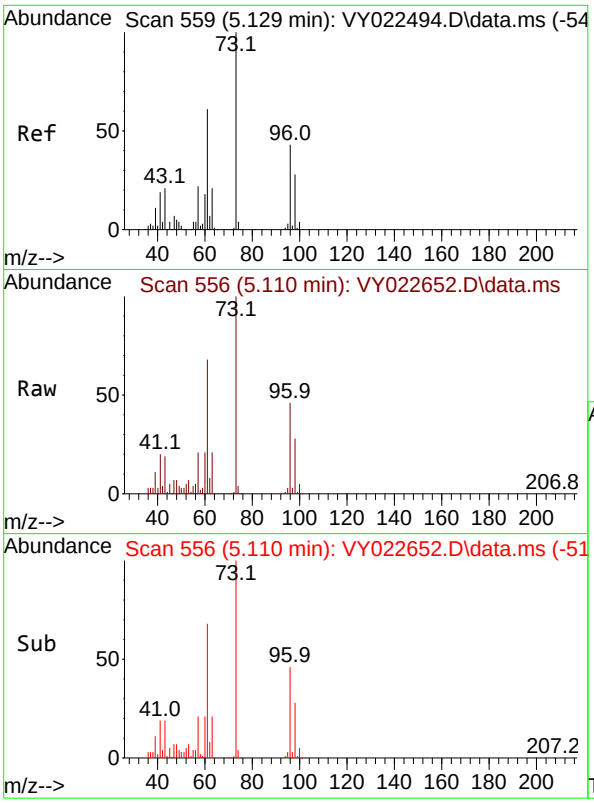


#18
Methyl Acetate
Concen: 50.535 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 53562

Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.8	29.6

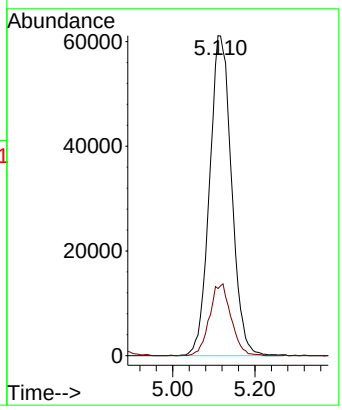




#19
Methyl tert-butyl Ether
Concen: 48.760 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 73 Resp: 22694

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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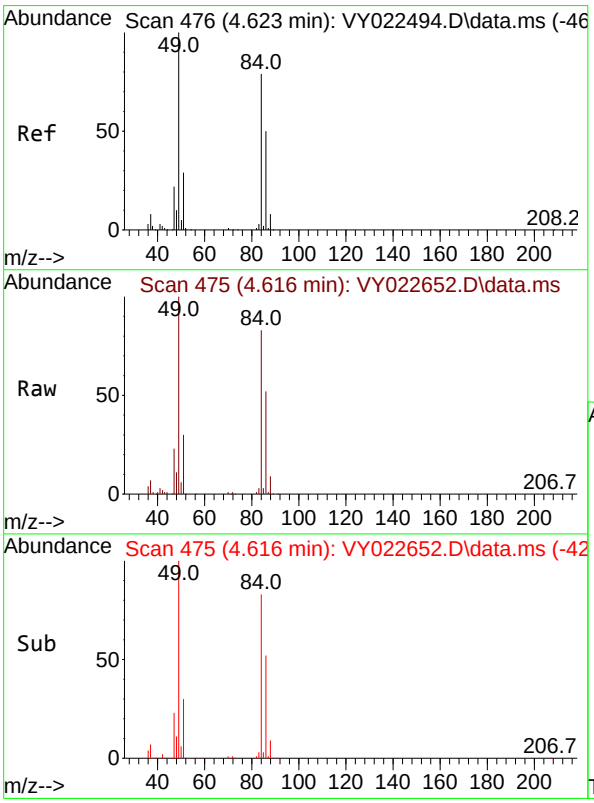
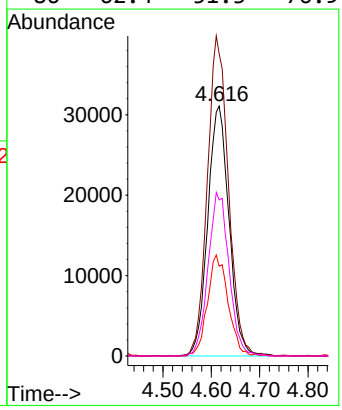
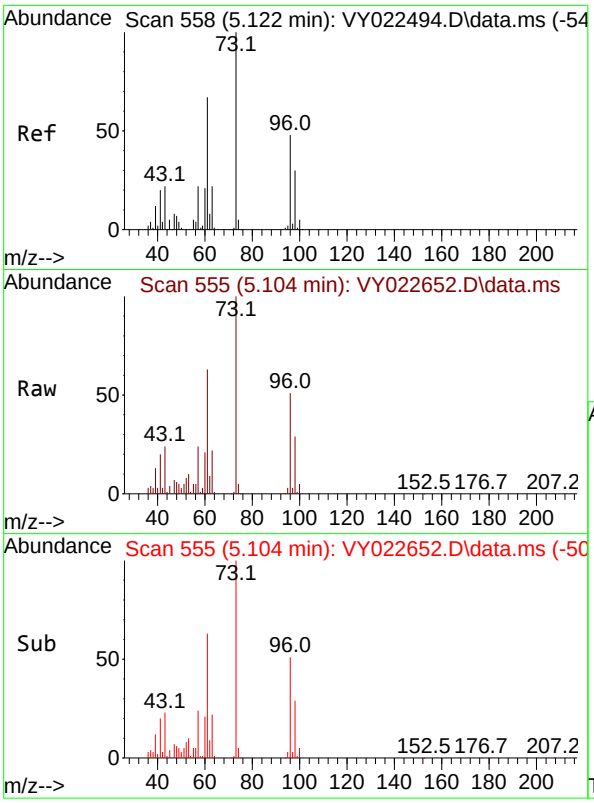


#20
Methylene Chloride
Concen: 46.721 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 84 Resp: 94990

Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.9	152.9
51	35.9	29.8	44.8
86	62.4	51.3	76.9

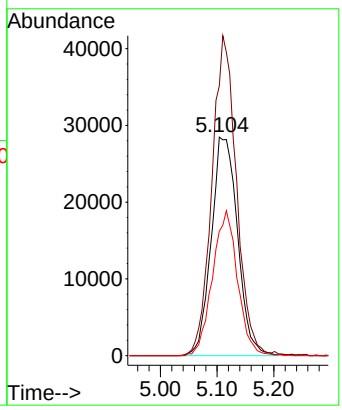




#21
trans-1,2-Dichloroethene
Concen: 49.515 ug/l
RT: 5.104 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 96 Resp: 9157

Ion	Ratio	Lower	Upper
96	100		
61	123.5	112.6	169.0
98	57.0	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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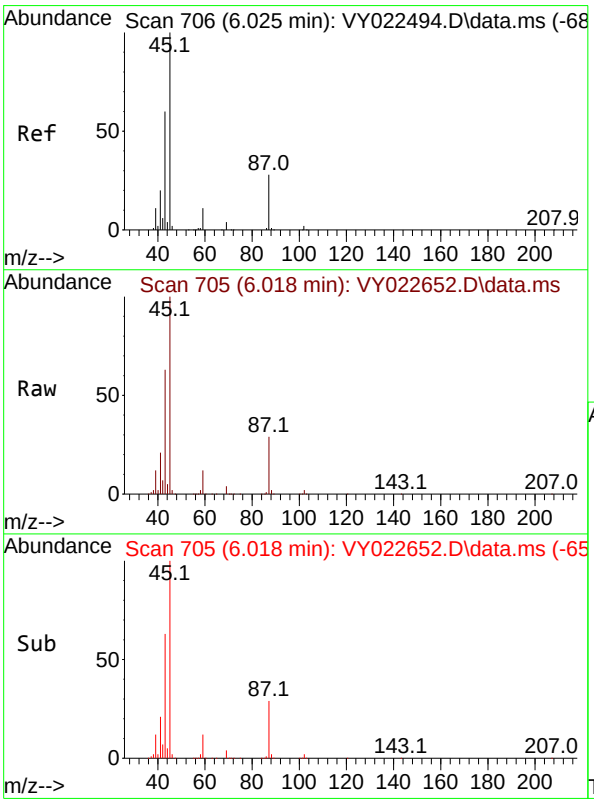
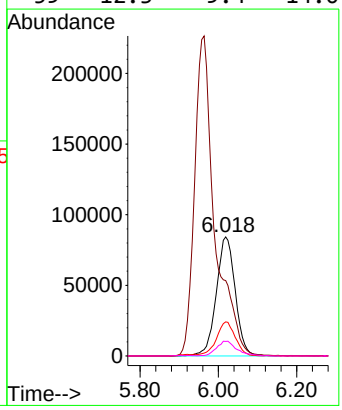
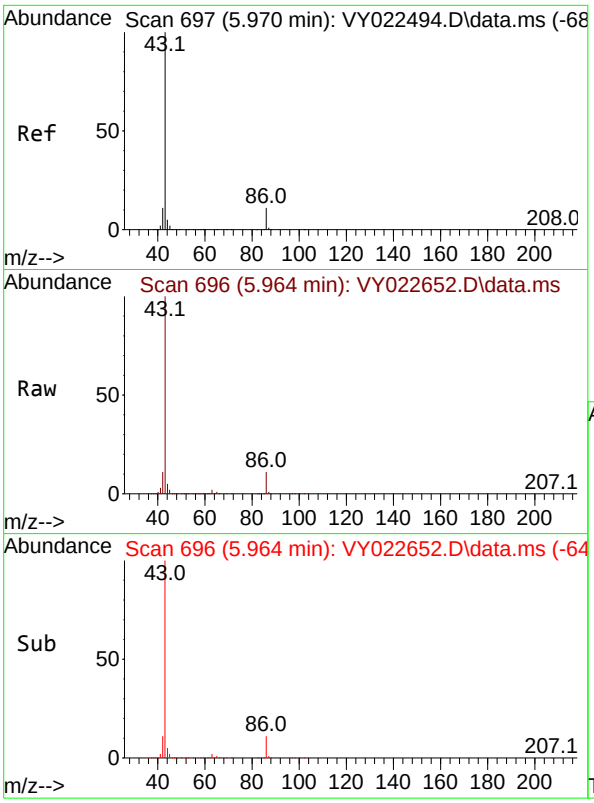


#22
Diisopropyl ether
Concen: 49.152 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 45 Resp: 283820

Ion	Ratio	Lower	Upper
45	100		
43	62.8	48.3	72.5
87	28.5	23.0	34.6
59	12.3	9.4	14.0





#23
Vinyl Acetate
Concen: 238.054 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 81359

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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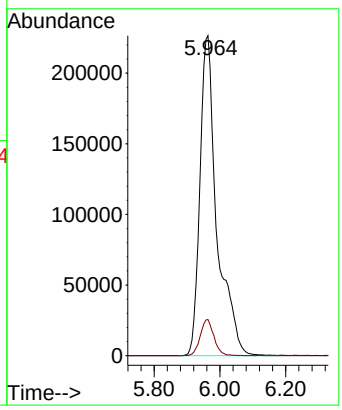
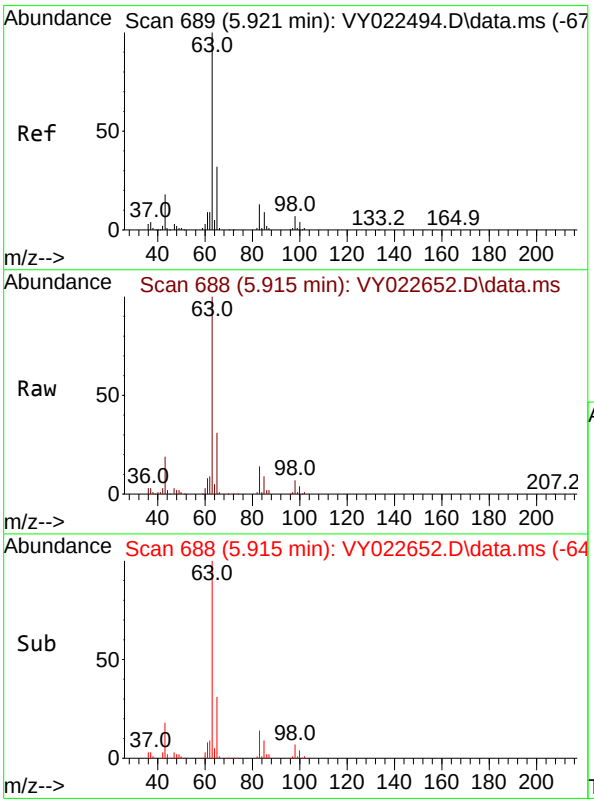
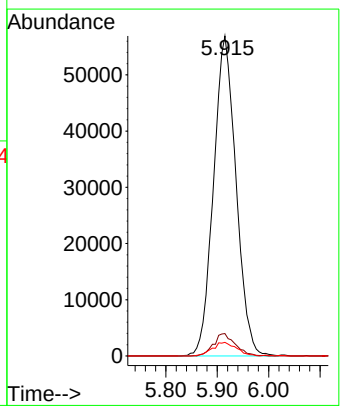


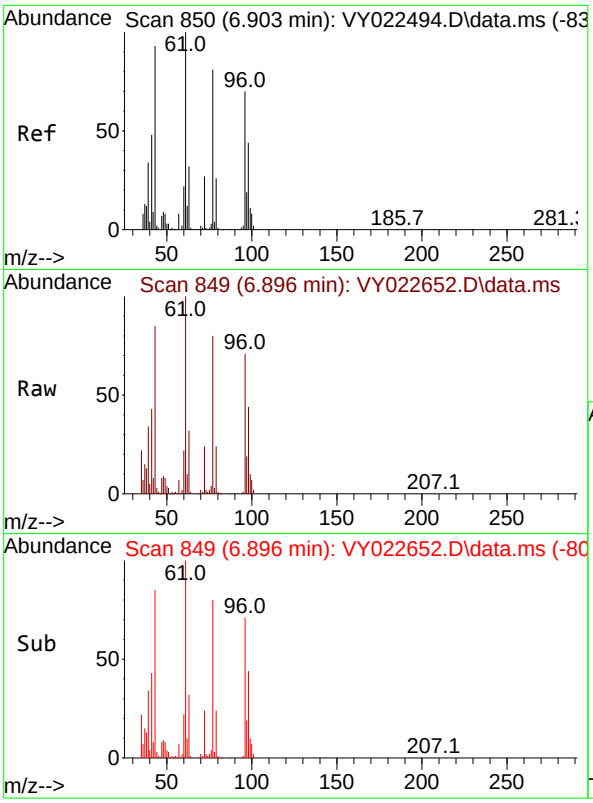


#24
1,1-Dichloroethane
Concen: 50.908 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 63 Resp: 173175

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.3	2.1	6.3





#25
2-Butanone
Concen: 236.409 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 12205

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
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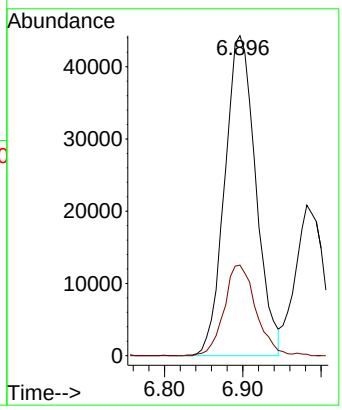
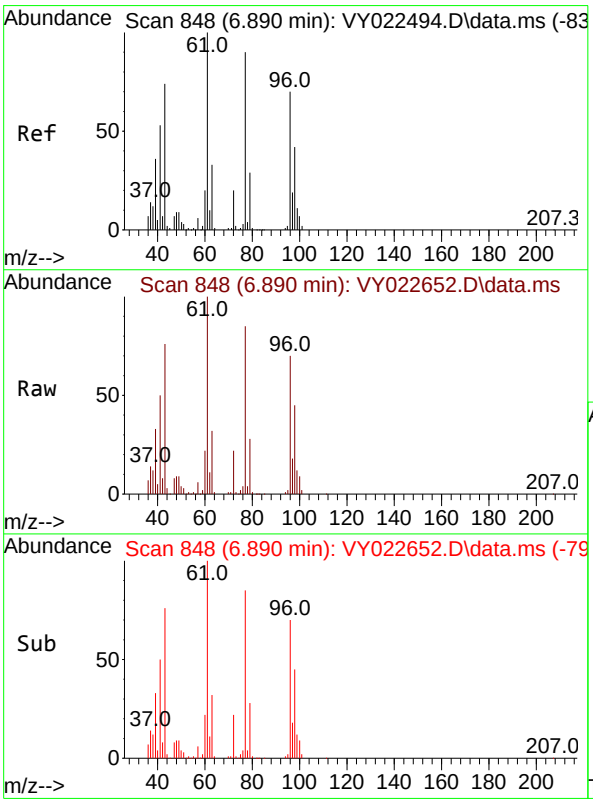
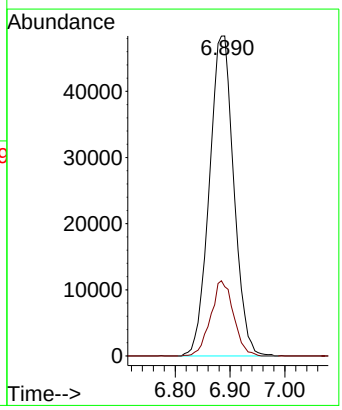


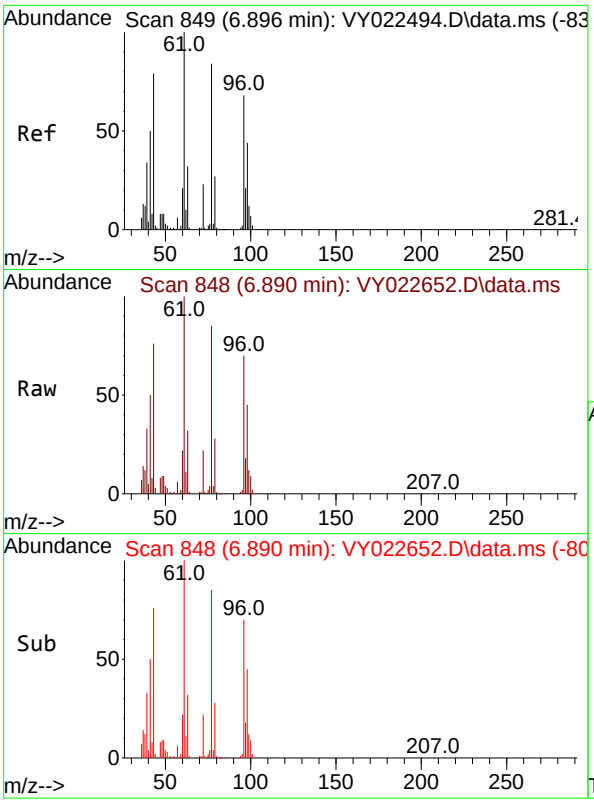


#26
2,2-Dichloropropane
Concen: 49.833 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 77 Resp: 149781

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2

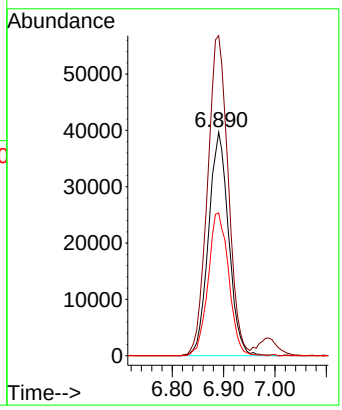




#27
cis-1,2-Dichloroethene
Concen: 50.321 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 96 Resp: 10757

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	290.0
98	65.5	0.0	128.4



Instrument :
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ClientSampleId :
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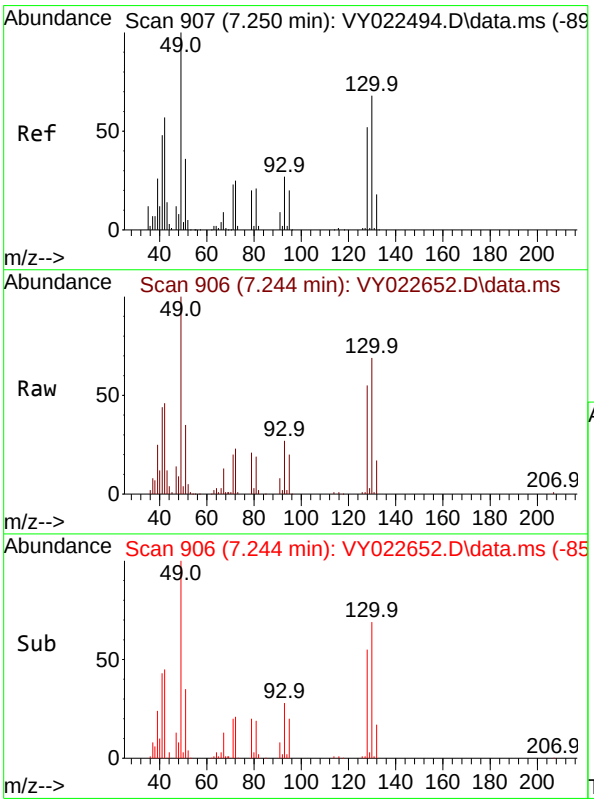
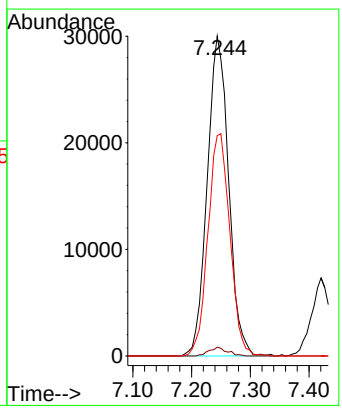
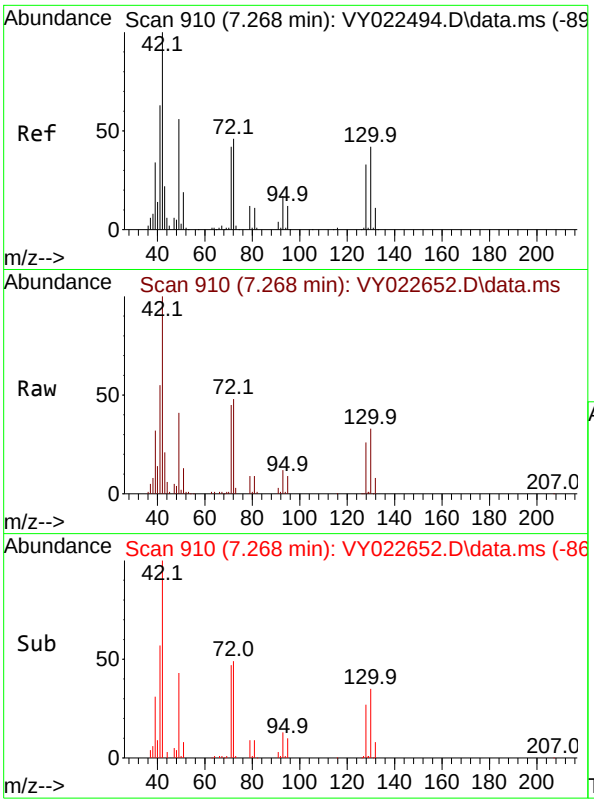


#28
Bromochloromethane
Concen: 51.267 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 49 Resp: 76022

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	71.2	55.7	83.5





#29
Tetrahydrofuran
Concen: 238.466 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 42 Resp: 7940

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.4	56.2
71	42.8	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
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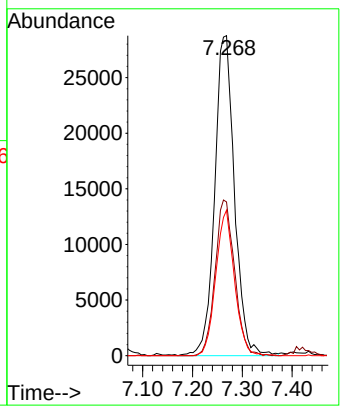
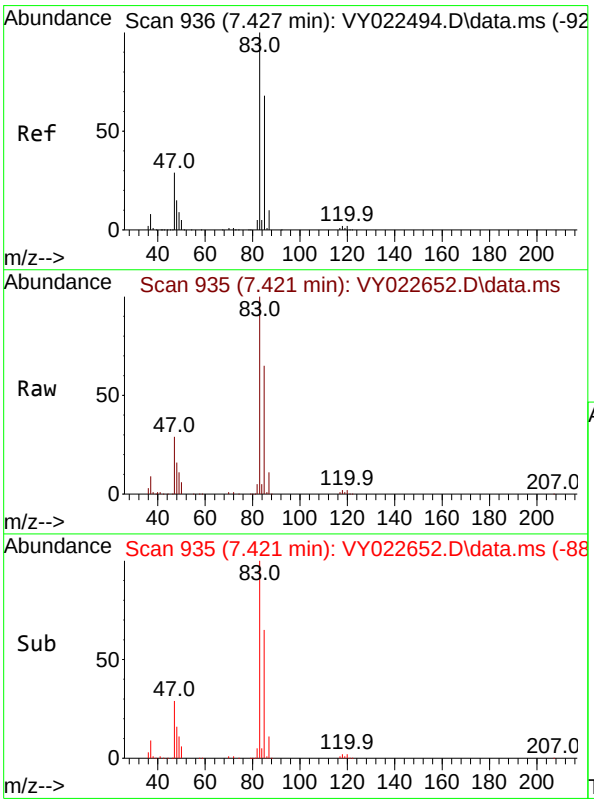
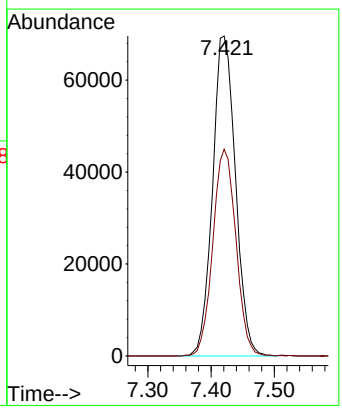


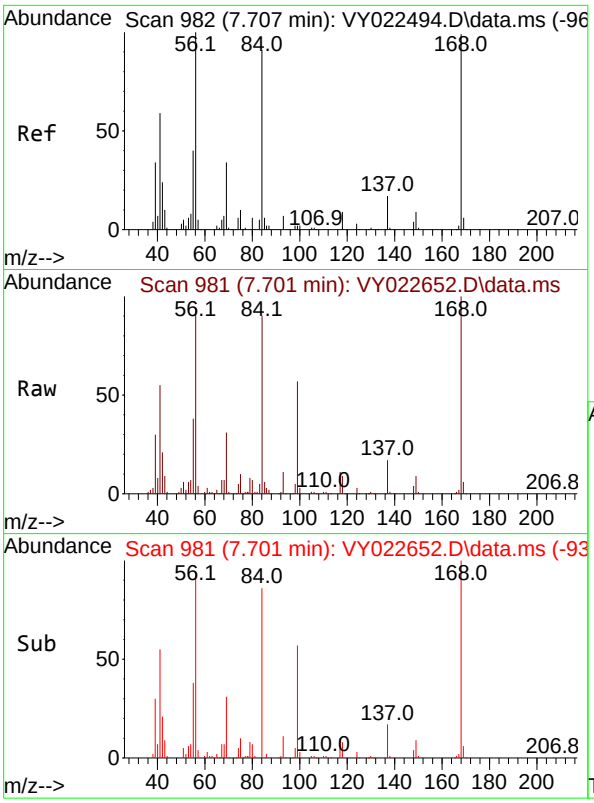


#30
Chloroform
Concen: 51.947 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 83 Resp: 175028

Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.2	81.4





#31
Cyclohexane
Concen: 44.059 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 56 Resp: 14920

Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.0	40.6
84	94.4	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
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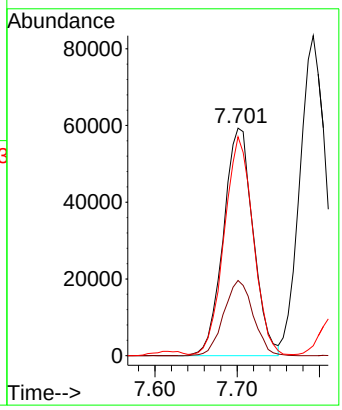
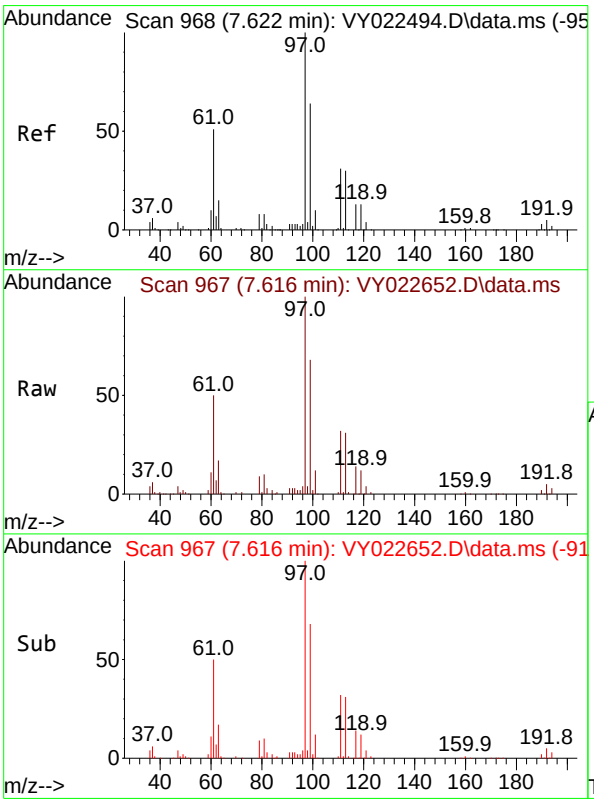
Supervised By :Semsettin Yesilyurt 06/12/2025

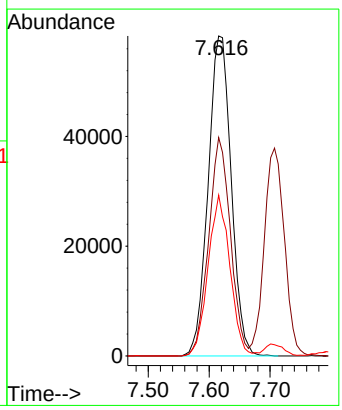


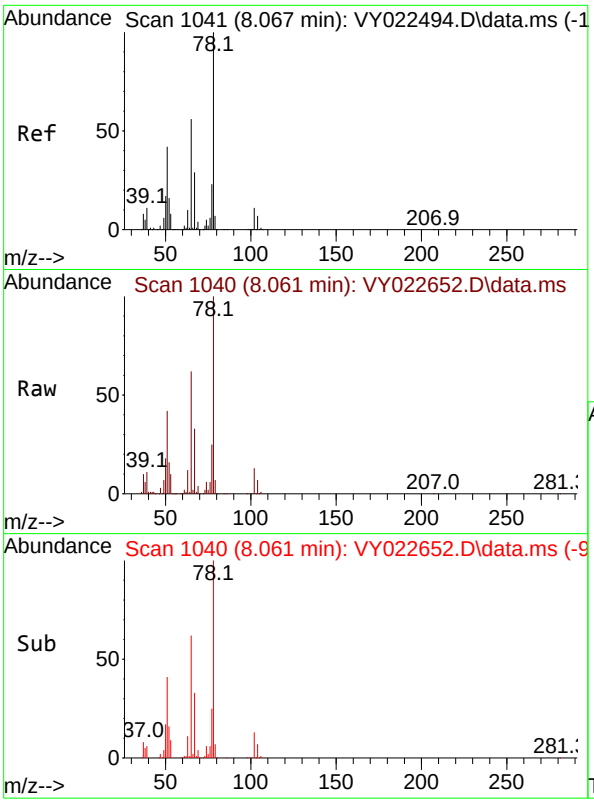


#32
1,1,1-Trichloroethane
Concen: 51.247 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 97 Resp: 153283

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.6	38.5	57.7

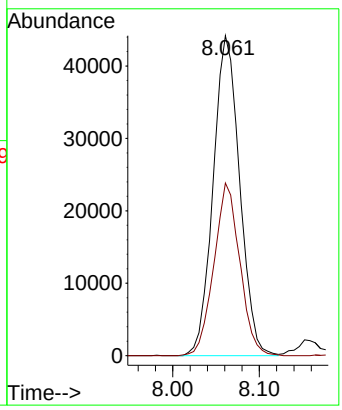




#33
1,2-Dichloroethane-d4
Concen: 53.295 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 65 Resp: 9392

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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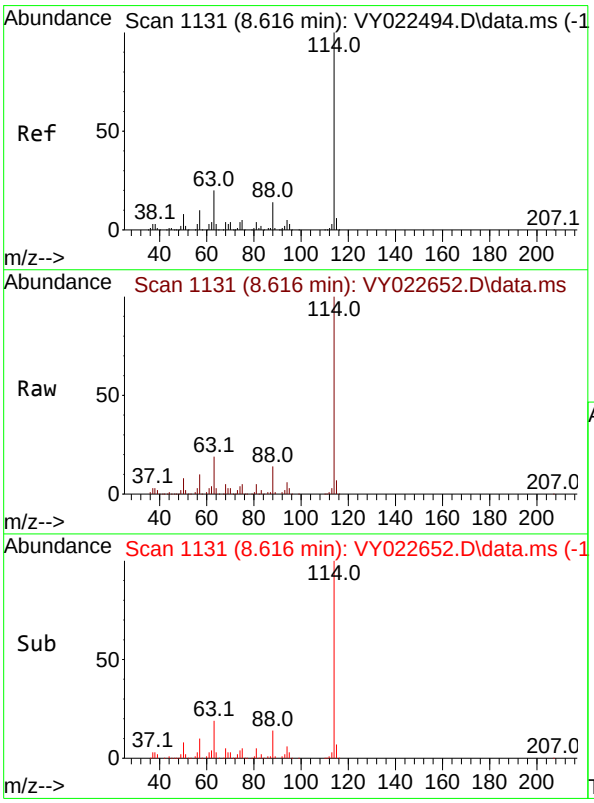
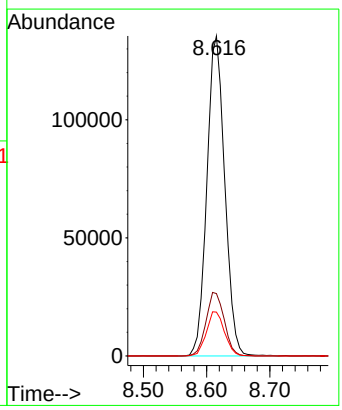
Supervised By :Semsettin Yesilyurt 06/12/2025

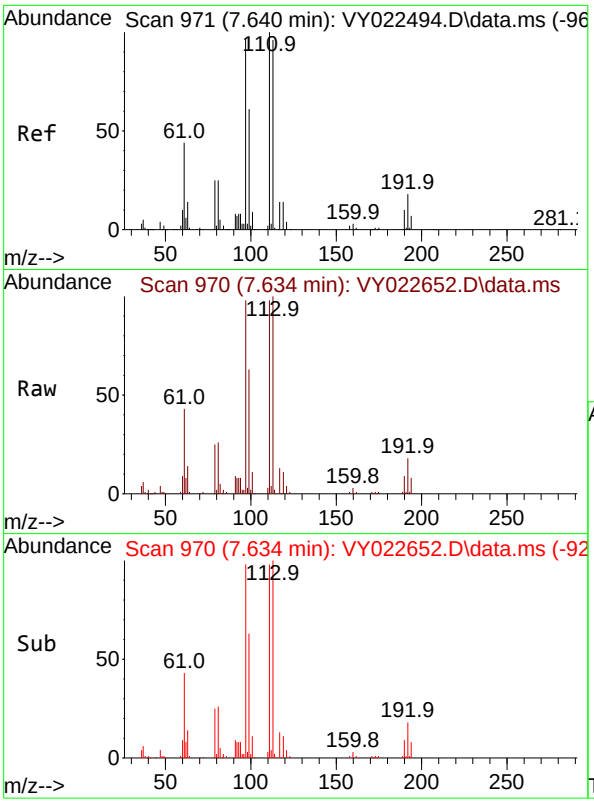


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:114 Resp: 265316

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.8
88	13.7	0.0	27.8





#35
Dibromofluoromethane
Concen: 54.732 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:113 Resp: 8667

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	18.2	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
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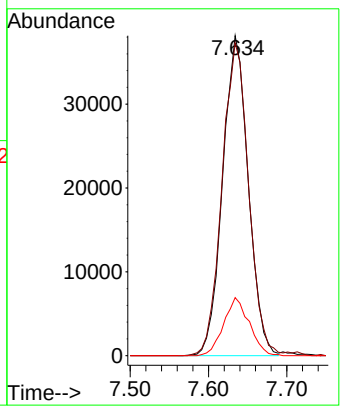
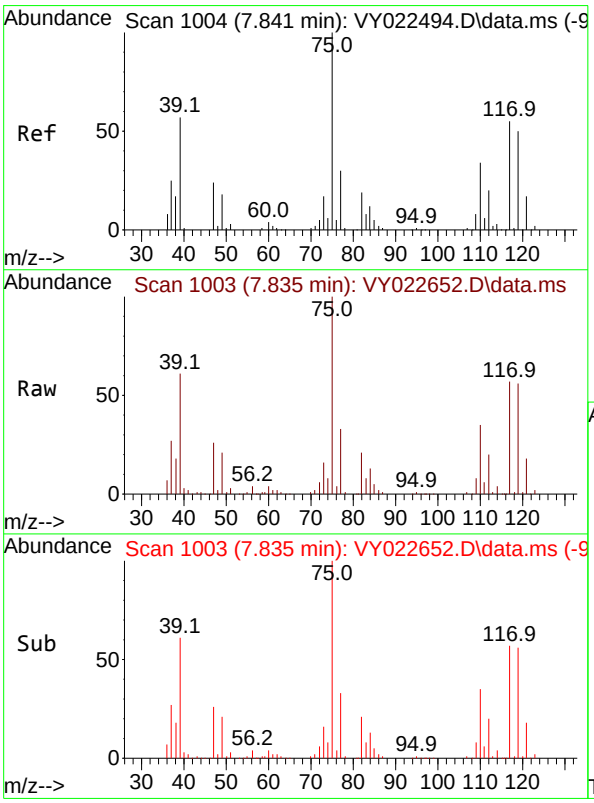
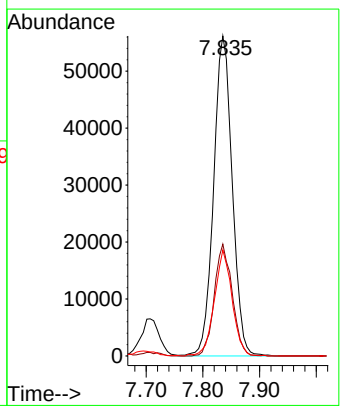


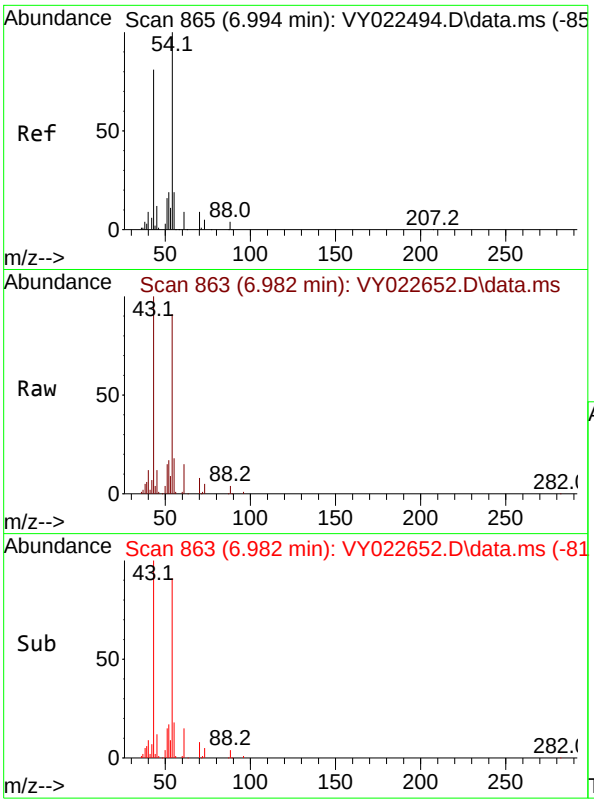


#36
1,1-Dichloropropene
Concen: 49.883 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 128210

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.6	24.8	37.2





#37
Ethyl Acetate
Concen: 48.679 ug/l m
RT: 6.982 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 5579

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
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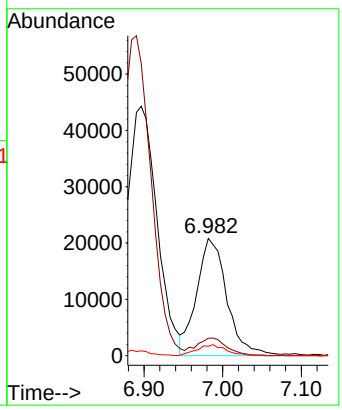
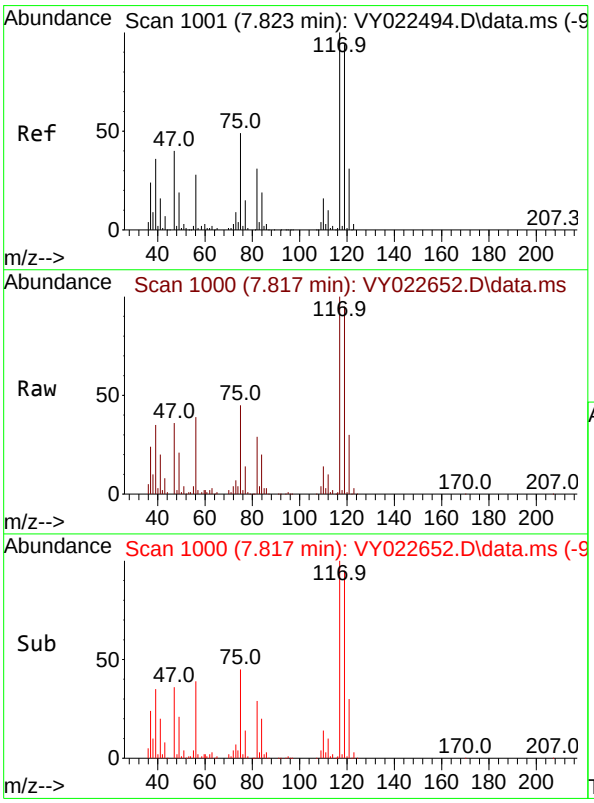
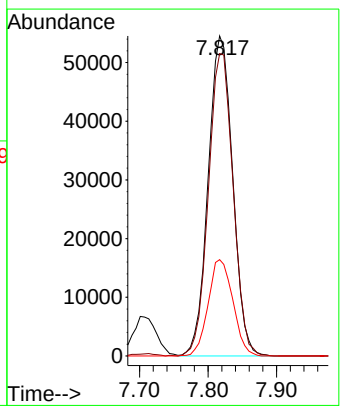


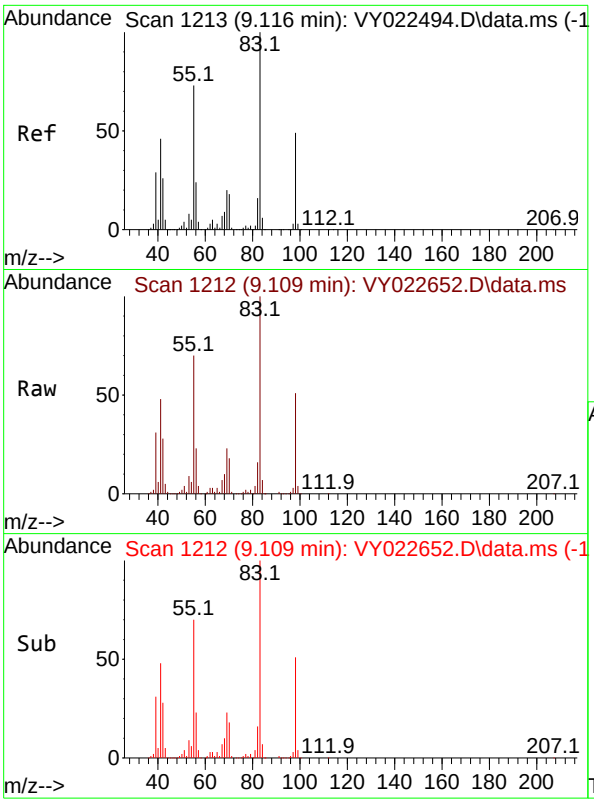


#38
Carbon Tetrachloride
Concen: 51.363 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:117 Resp: 135428

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.0	112.6
121	30.1	25.0	37.4





#39
Methylcyclohexane
Concen: 47.635 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 83 Resp: 16453

Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	50.9	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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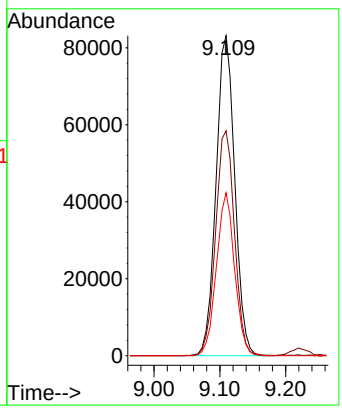
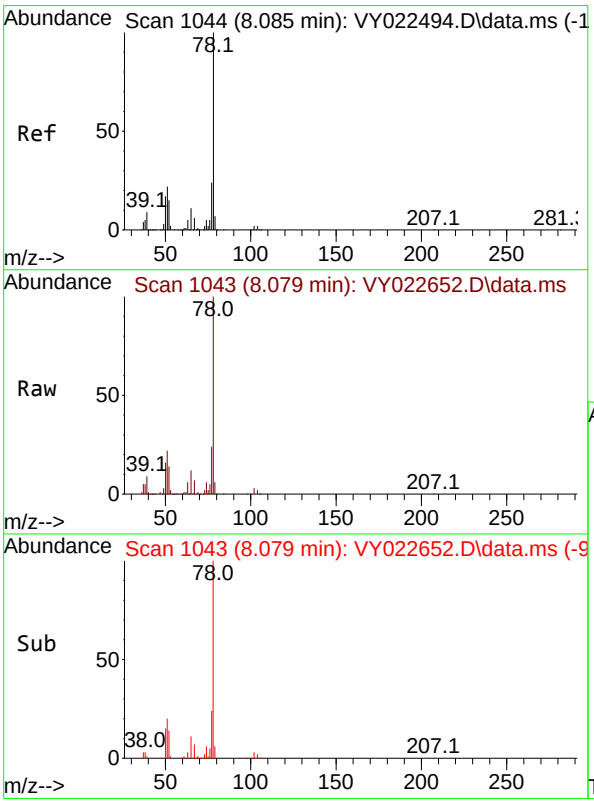
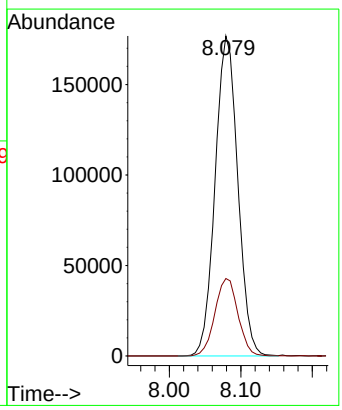


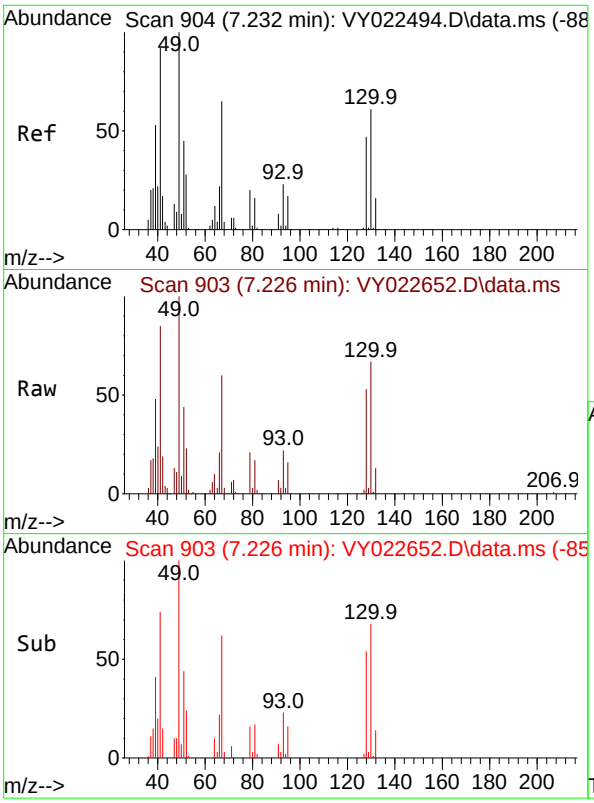


#40
Benzene
Concen: 51.219 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 78 Resp: 388821

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9

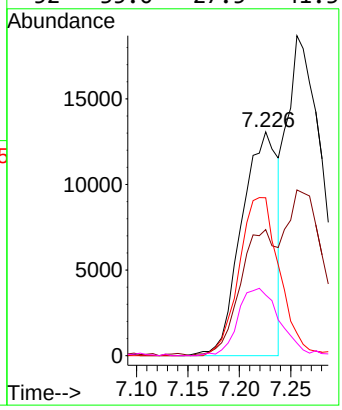




#41
Methacrylonitrile
Concen: 47.810 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 41 Resp: 3200

Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.6	69.8
67	79.4	63.3	94.9
52	35.0	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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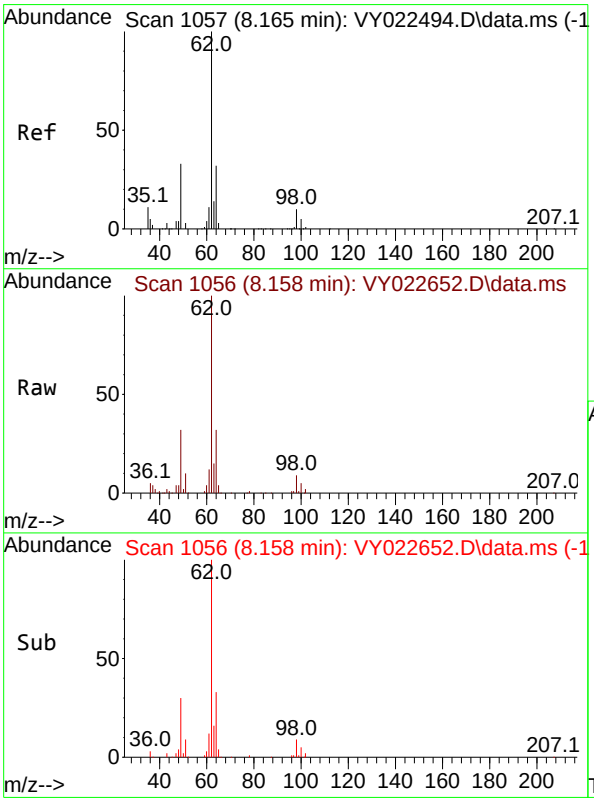
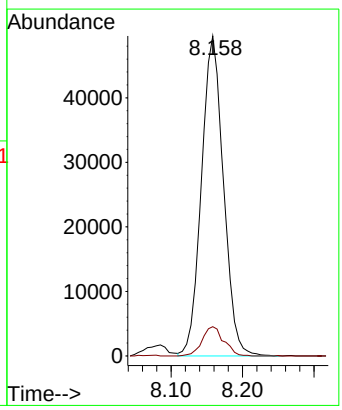
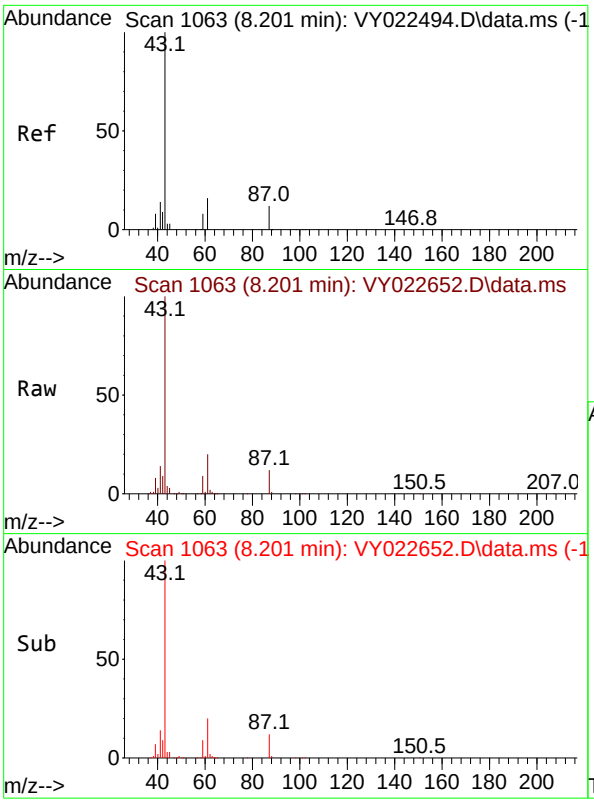


#42
1,2-Dichloroethane
Concen: 51.210 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 62 Resp: 106146

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2

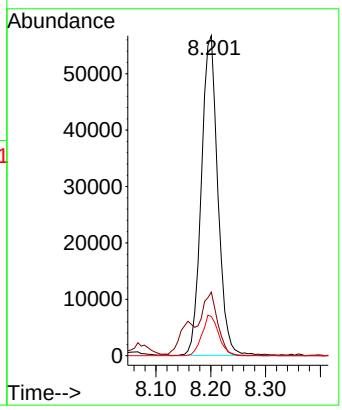




#43
Isopropyl Acetate
Concen: 47.665 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 11799

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.6	23.4
87	12.8	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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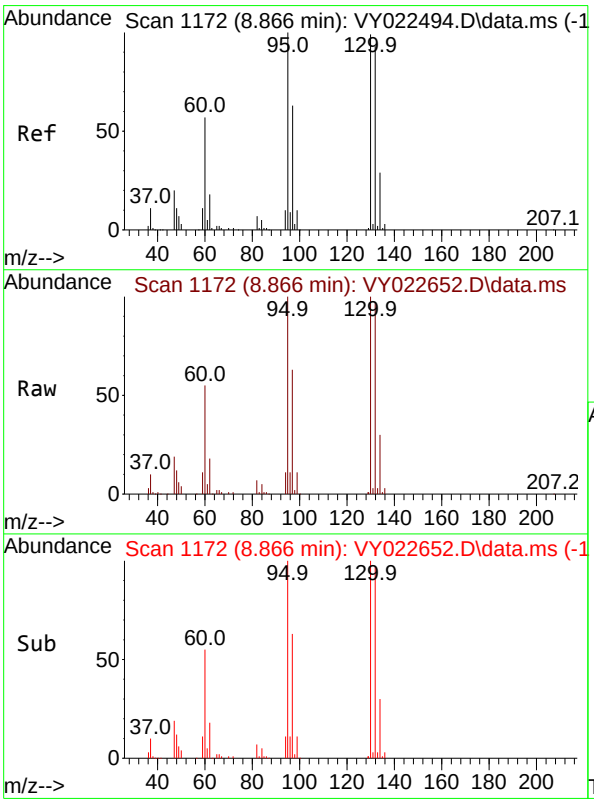
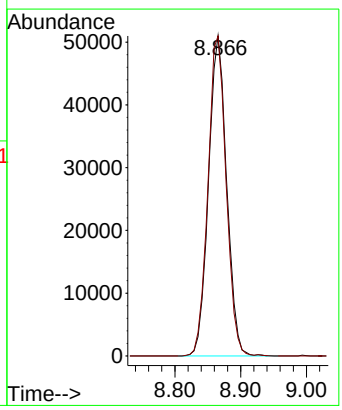
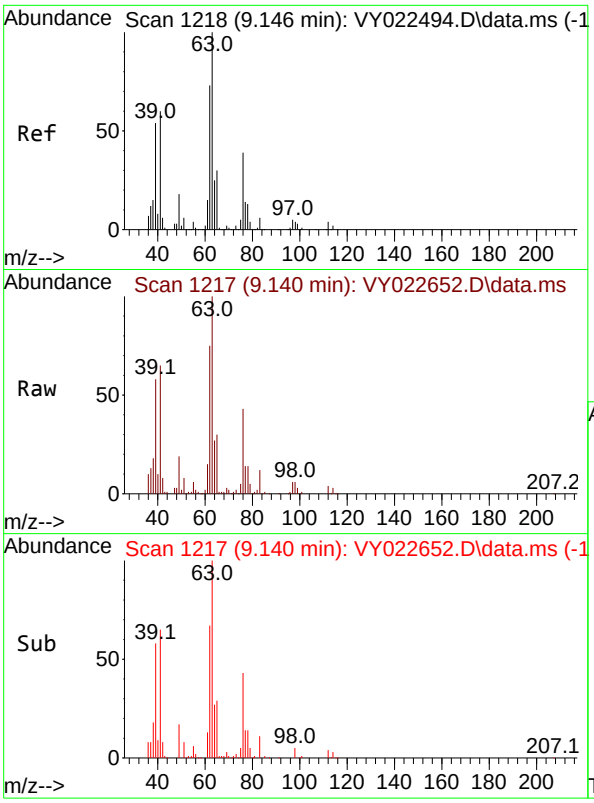


#44
Trichloroethene
Concen: 52.755 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:130 Resp: 97879

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	203.0

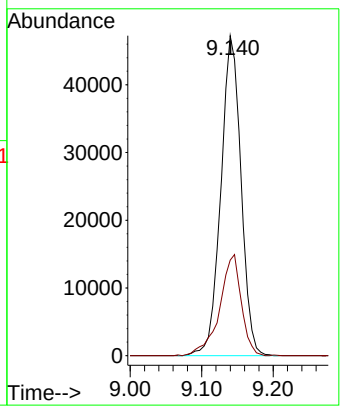




#45
1,2-Dichloropropane
Concen: 51.503 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 63 Resp: 9240

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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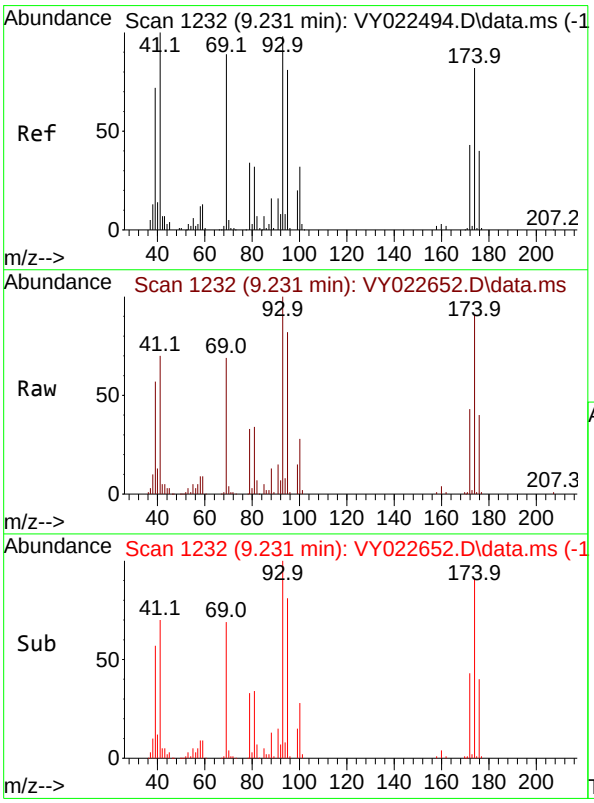
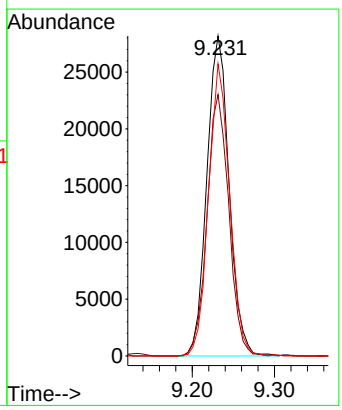
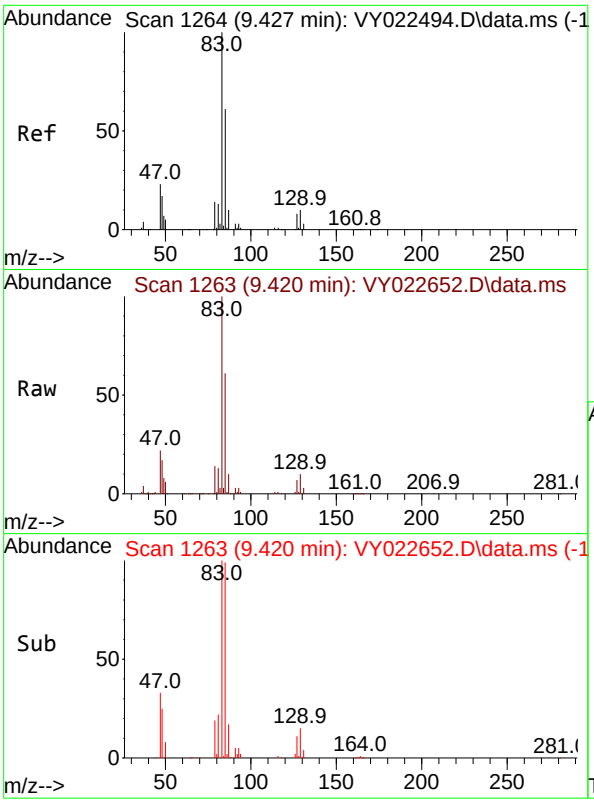


#46
Dibromomethane
Concen: 52.423 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 93 Resp: 52912

Ion	Ratio	Lower	Upper
93	100		
95	80.3	65.6	98.4
174	86.8	70.4	105.6

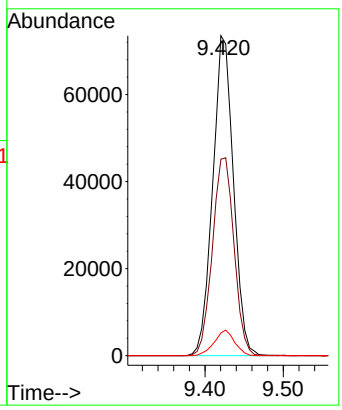




#47
Bromodichloromethane
Concen: 52.817 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 83 Resp: 13517

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.1	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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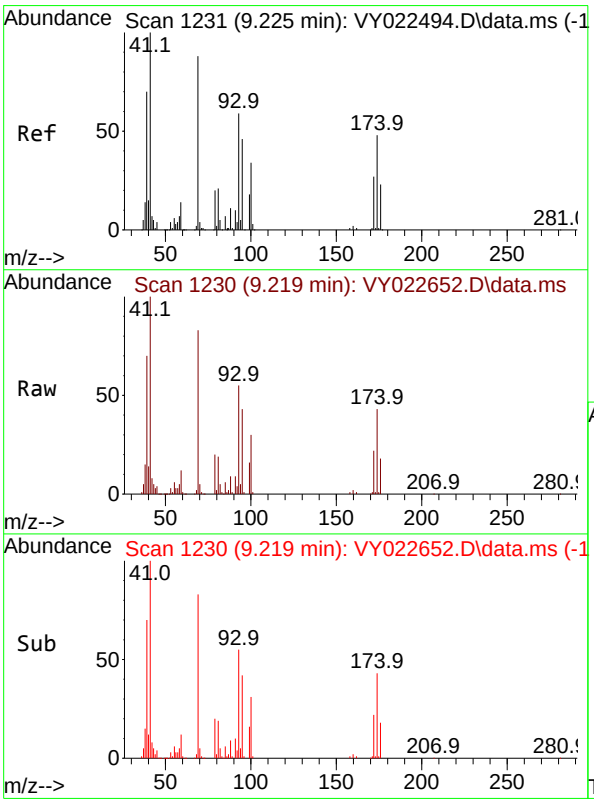
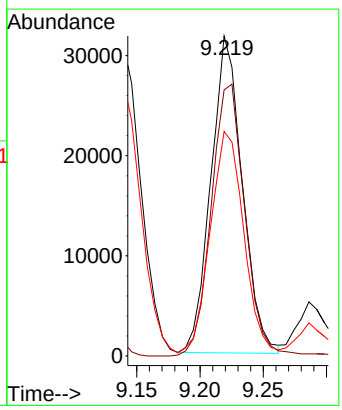
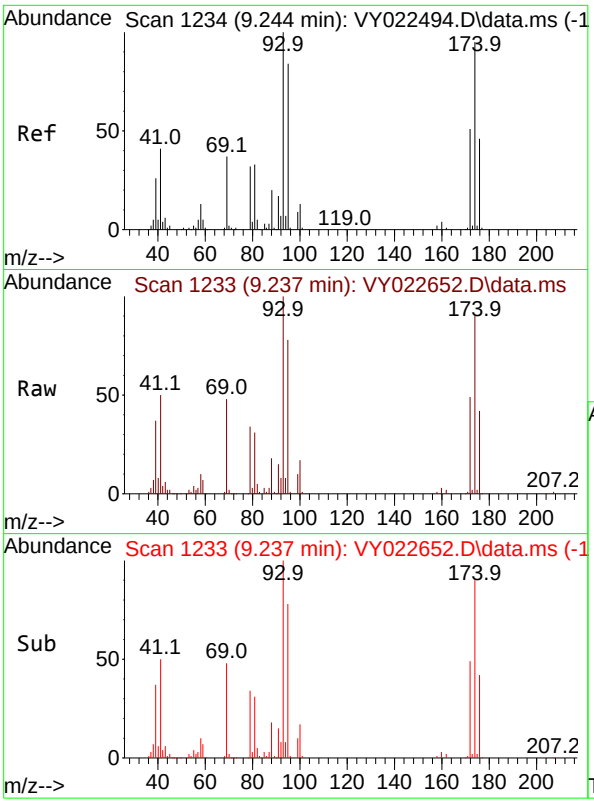


#48
Methyl methacrylate
Concen: 47.036 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 41 Resp: 54646

Ion	Ratio	Lower	Upper
41	100		
69	91.9	67.8	101.8
39	74.3	55.0	82.4





#49
1,4-Dioxane
Concen: 951.195 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 88 Resp: 1137

Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.4	38.2
58	60.8	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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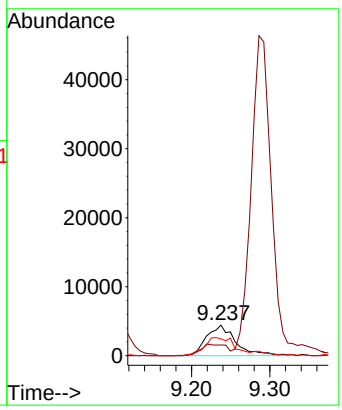
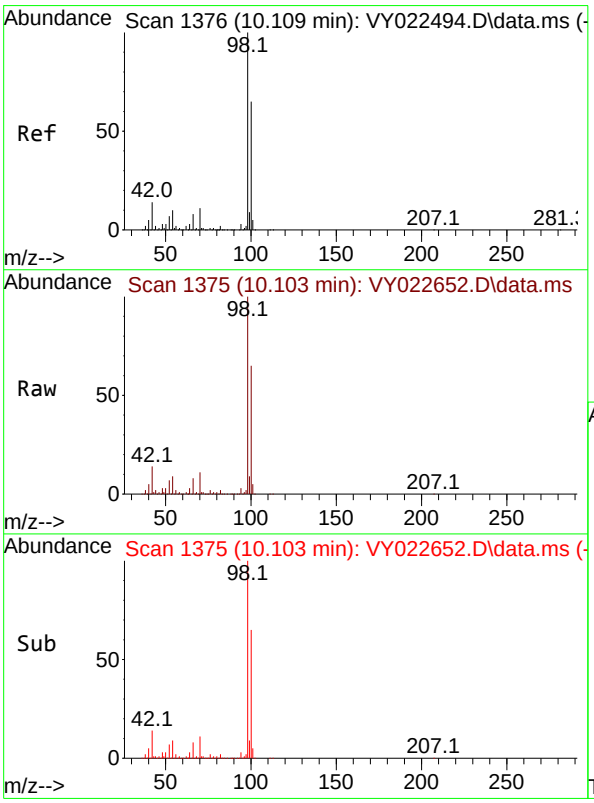
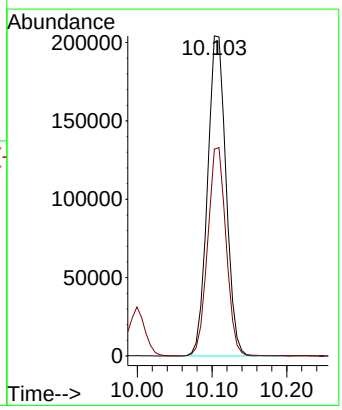


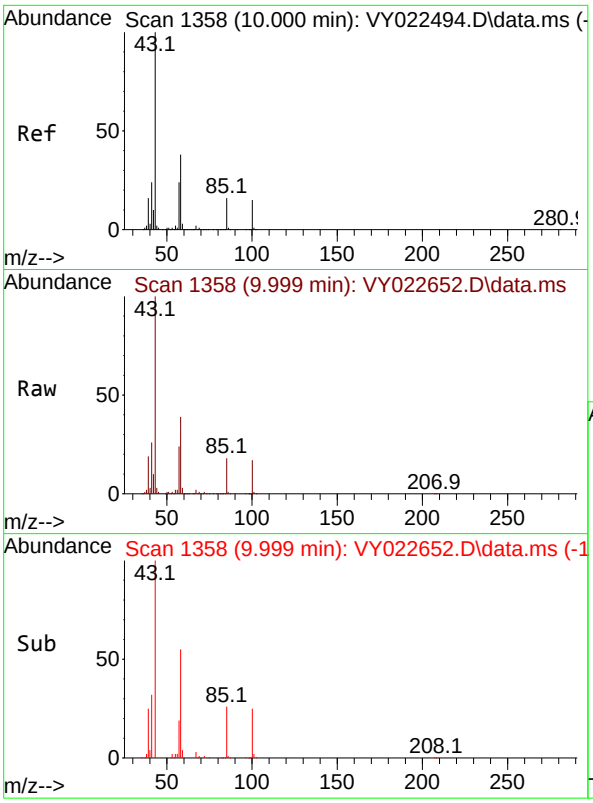


#50
Toluene-d8
Concen: 54.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 98 Resp: 351227

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0

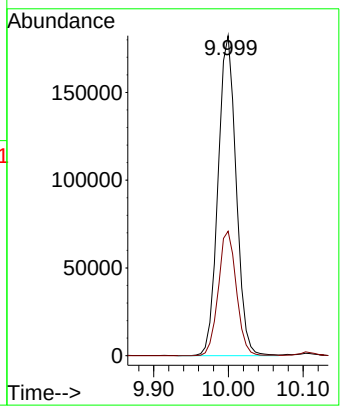




#51
4-Methyl-2-Pentanone
Concen: 248.232 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 30636

Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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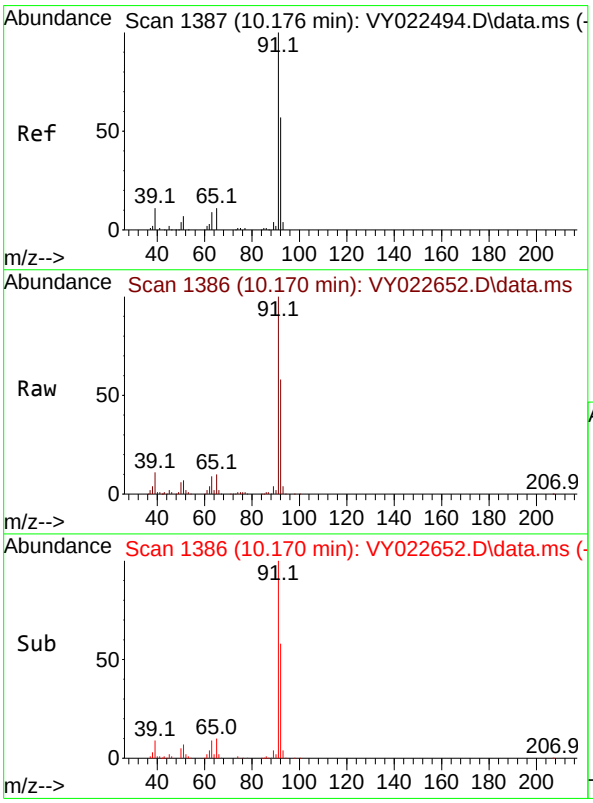
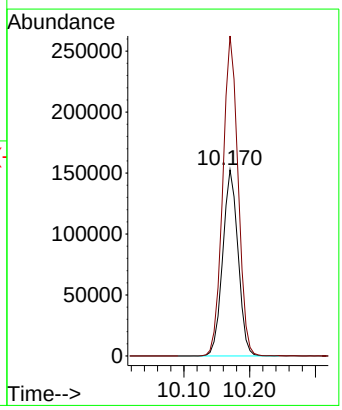
Supervised By :Semsettin Yesilyurt 06/12/2025

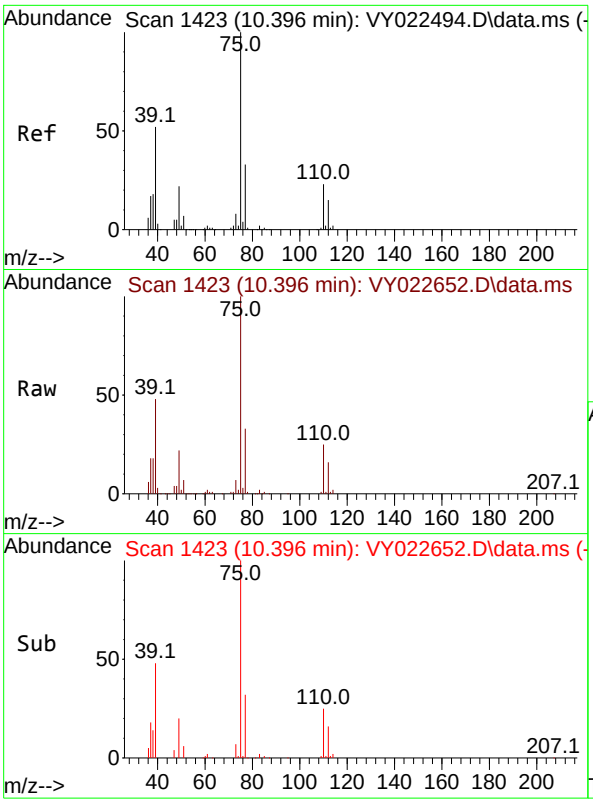


#52
Toluene
Concen: 51.844 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 92 Resp: 247331

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4

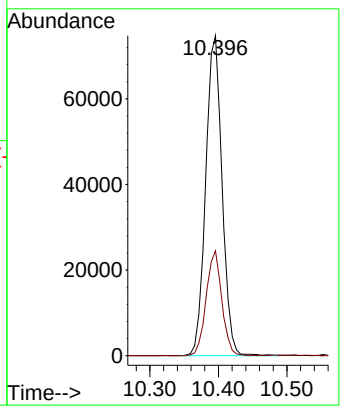




#53
t-1,3-Dichloropropene
Concen: 51.731 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 12405

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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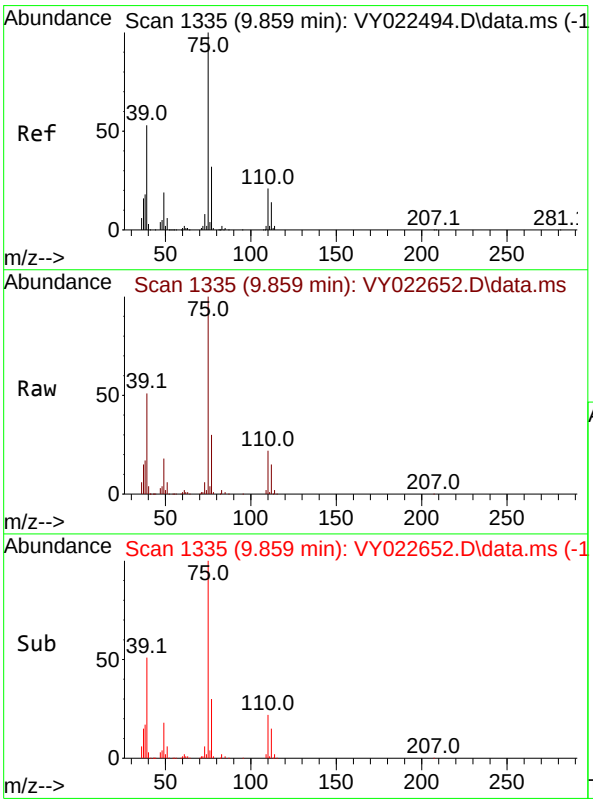
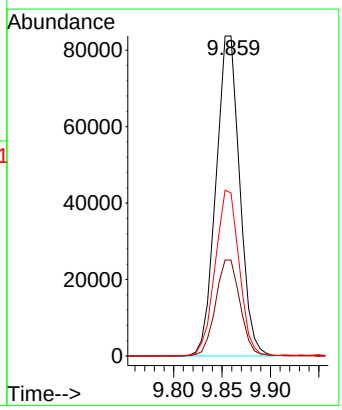
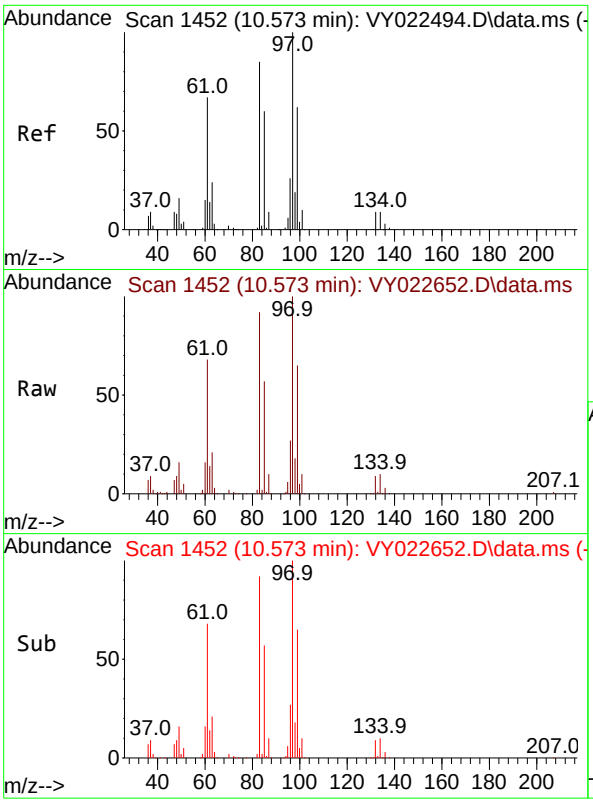


#54
cis-1,3-Dichloropropene
Concen: 51.121 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 142700

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.3	37.9
39	50.8	42.7	64.1

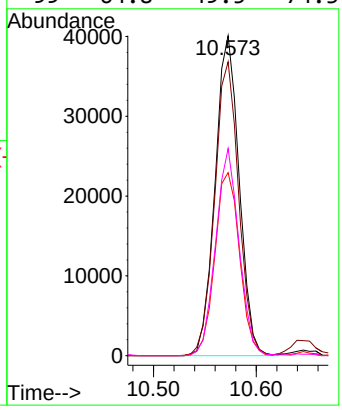




#55
1,1,2-Trichloroethane
Concen: 50.652 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 97 Resp: 6519

Ion	Ratio	Lower	Upper
97	100		
83	91.8	68.1	102.1
85	57.2	48.2	72.2
99	64.8	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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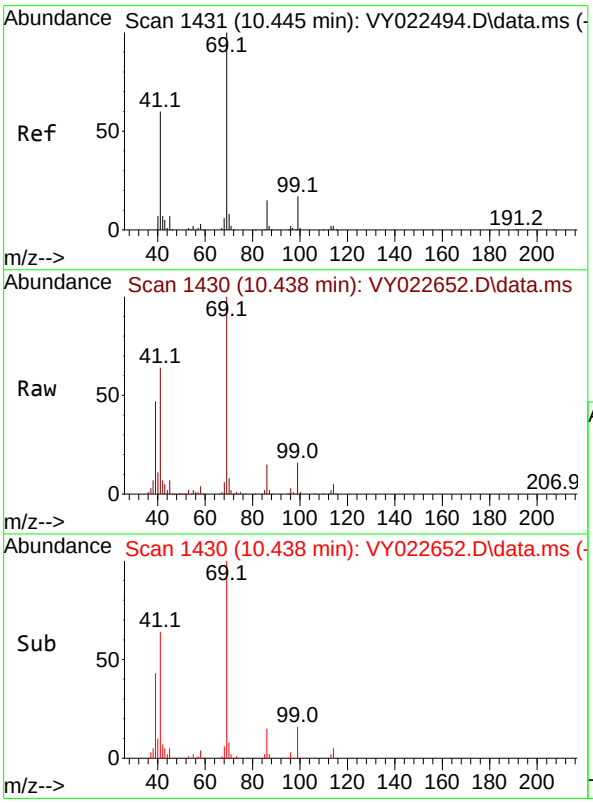
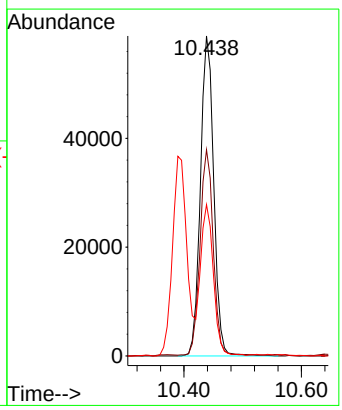
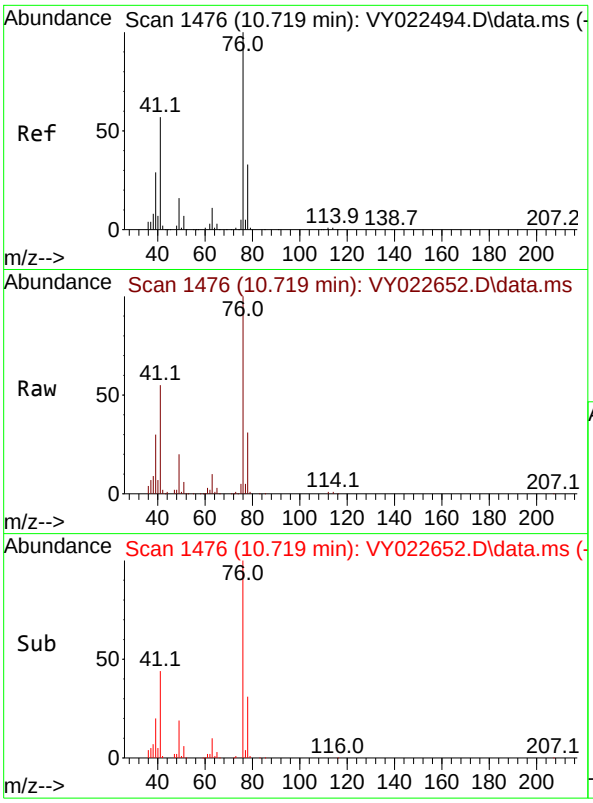


#56
Ethyl methacrylate
Concen: 49.753 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 69 Resp: 92549

Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.2	78.2
39	44.8	36.7	55.1

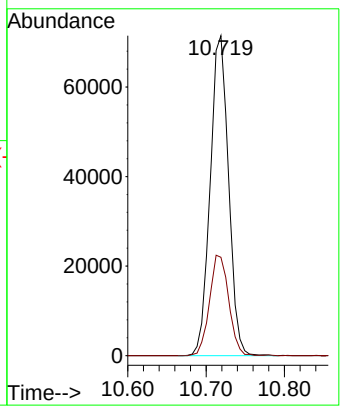




#57
1,3-Dichloropropane
Concen: 50.976 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 76 Resp: 11628

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8



Instrument :
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ClientSampleId :
VSTDCCC050

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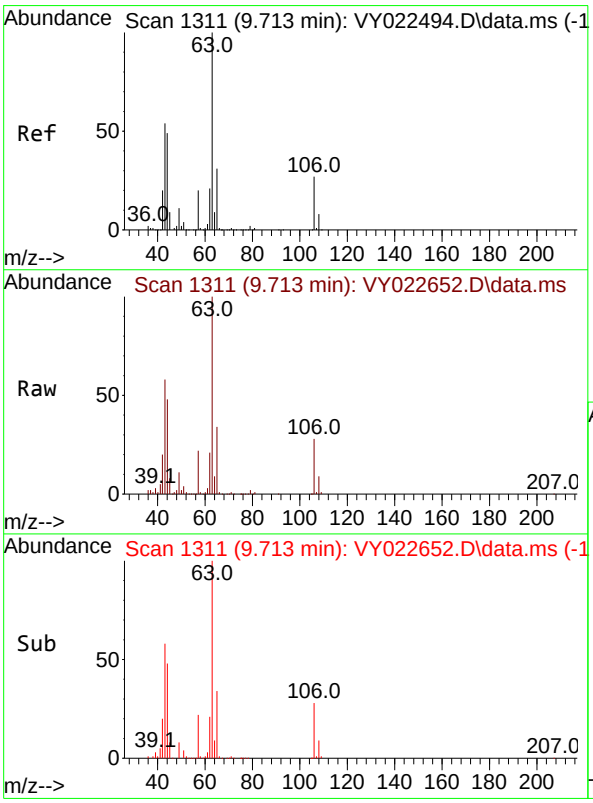
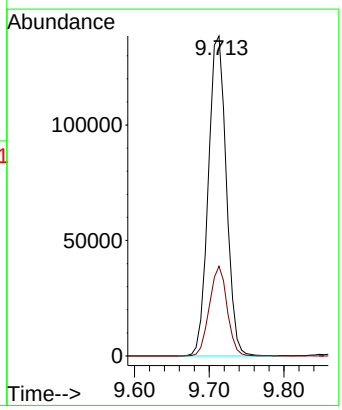
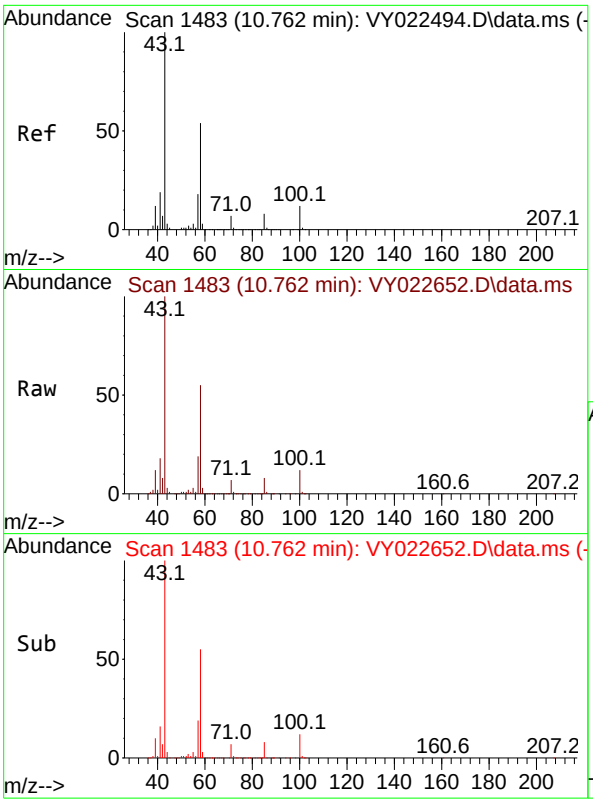


#58
2-Chloroethyl Vinyl ether
Concen: 274.143 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 63 Resp: 231530

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.6	32.4





#59
2-Hexanone
Concen: 242.841 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 20044

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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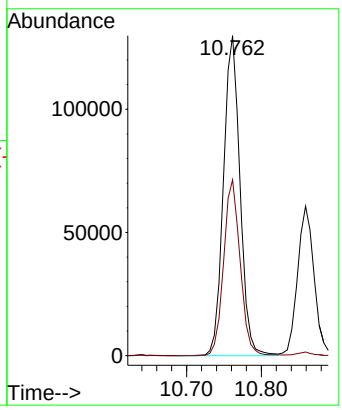
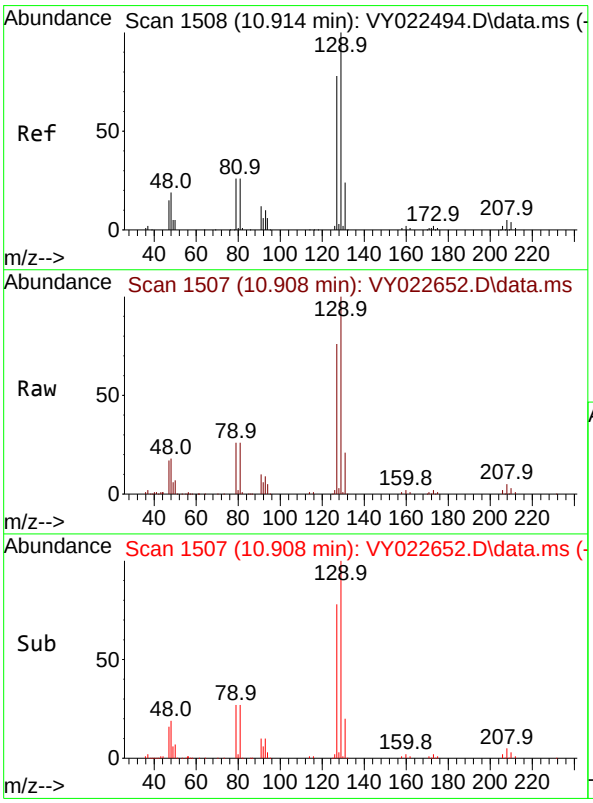
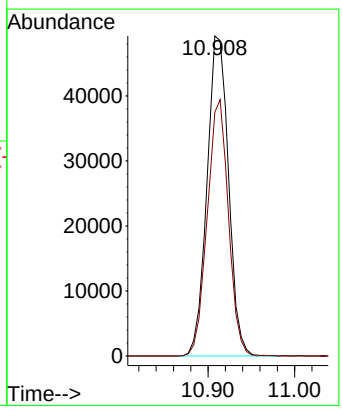


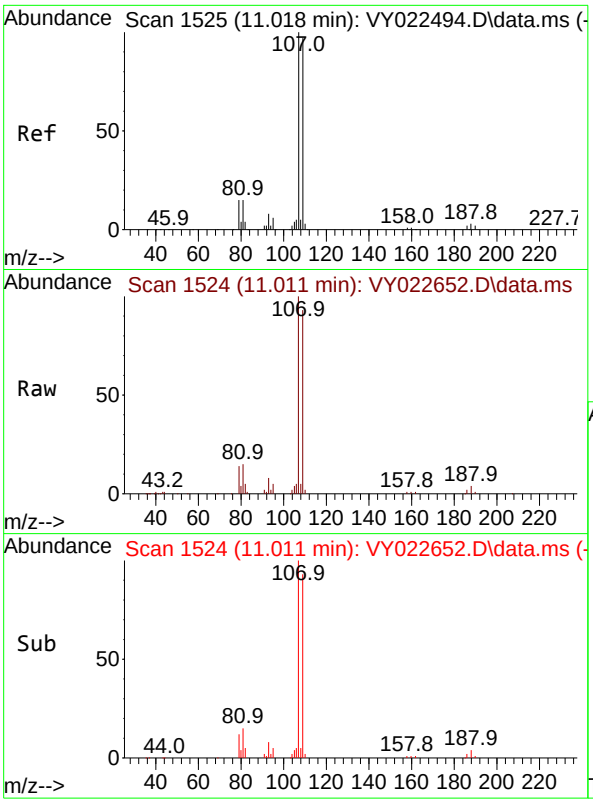


#60
Dibromochloromethane
Concen: 51.909 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:129 Resp: 84902

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2

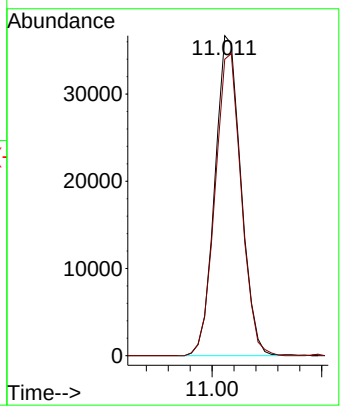




#61
1,2-Dibromoethane
Concen: 51.536 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:107 Resp: 6045

Ion	Ratio	Lower	Upper
107	100		
109	95.3	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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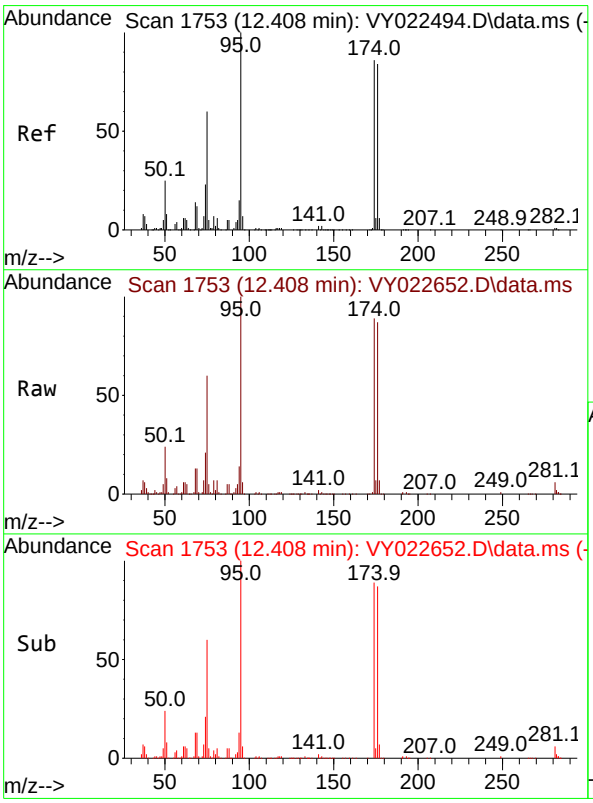
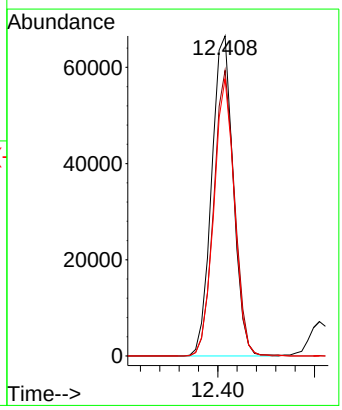
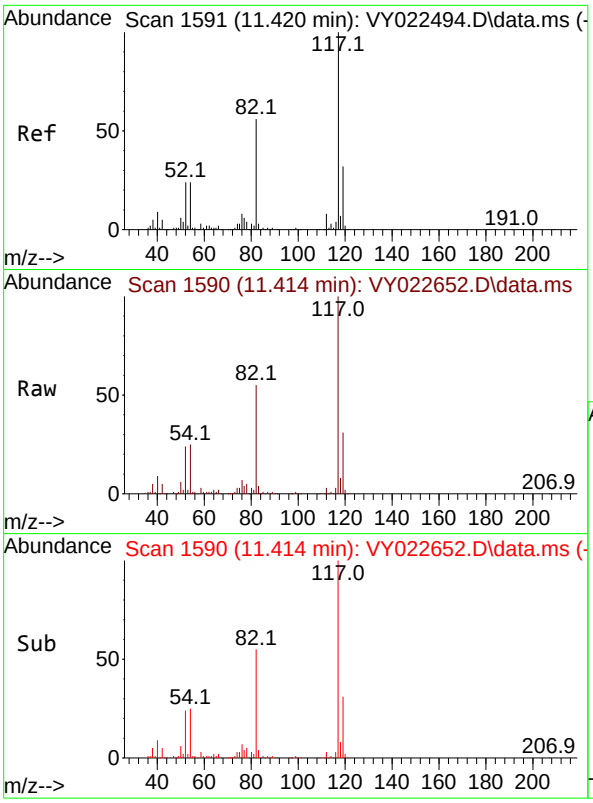


#62
4-Bromofluorobenzene
Concen: 53.948 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 95 Resp: 102854

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	170.0
176	83.0	0.0	166.2

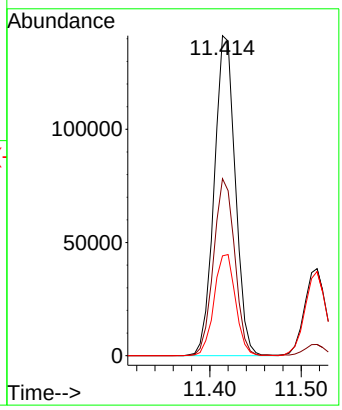




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:117 Resp: 22679

Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	66.8
119	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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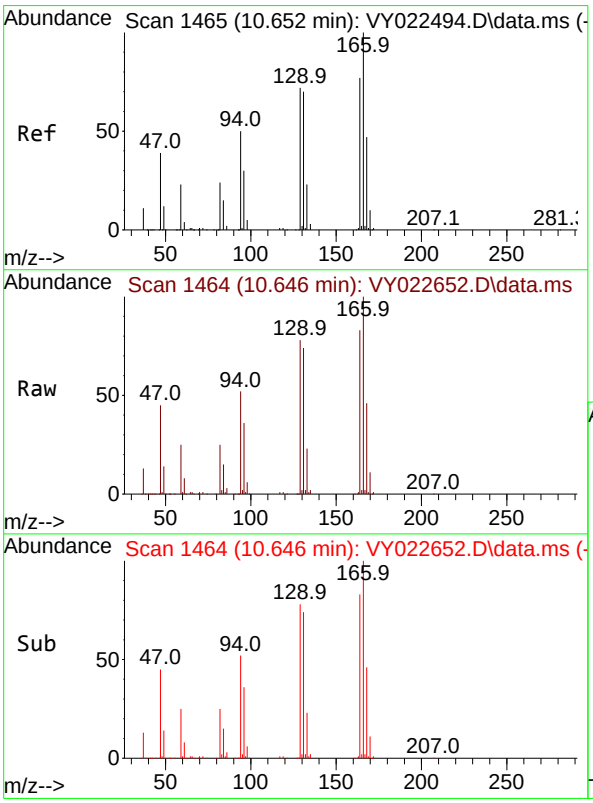
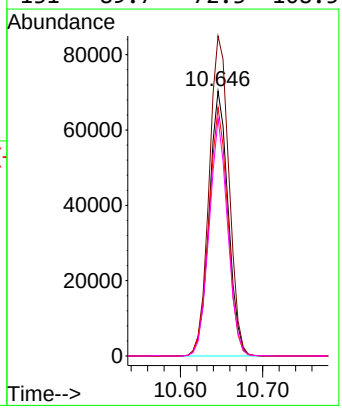
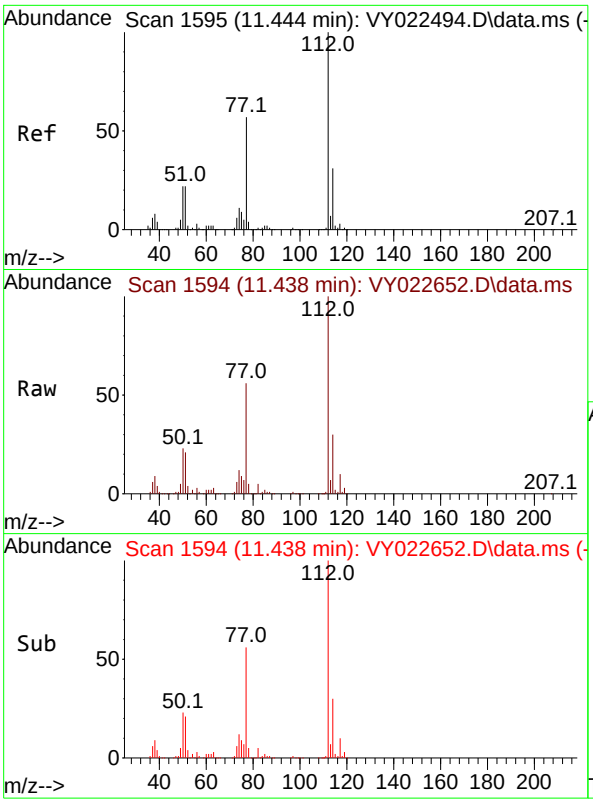


#64
Tetrachloroethene
Concen: 57.985 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:164 Resp: 113126

Ion	Ratio	Lower	Upper
164	100		
166	120.9	104.0	156.0
129	93.9	74.5	111.7
131	89.7	72.3	108.5

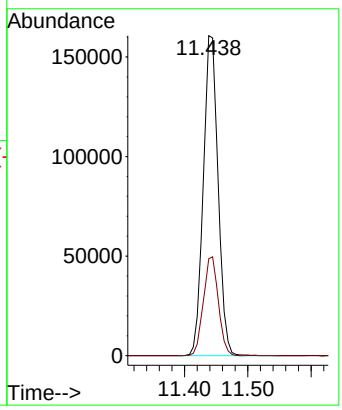




#65
Chlorobenzene
Concen: 52.170 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:112 Resp: 26182

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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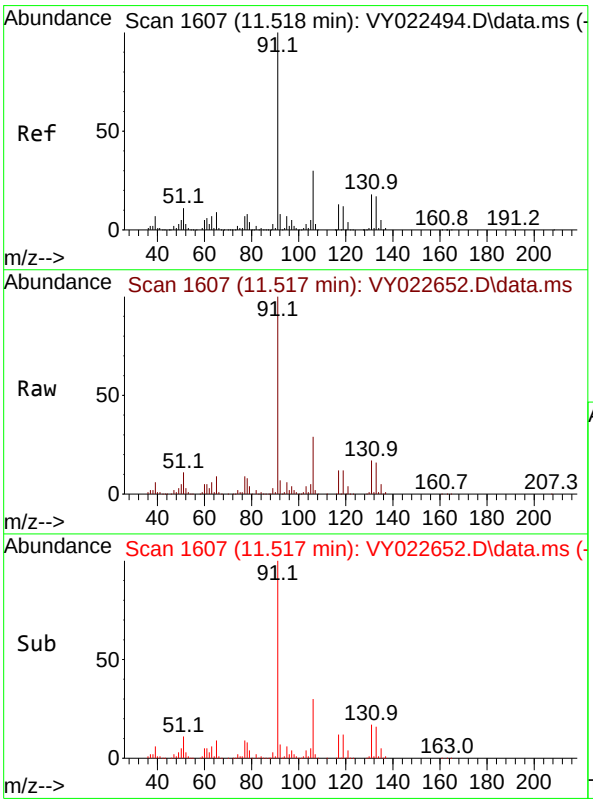
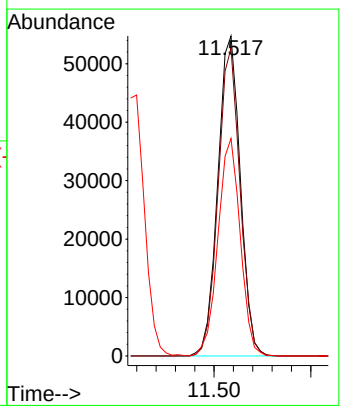
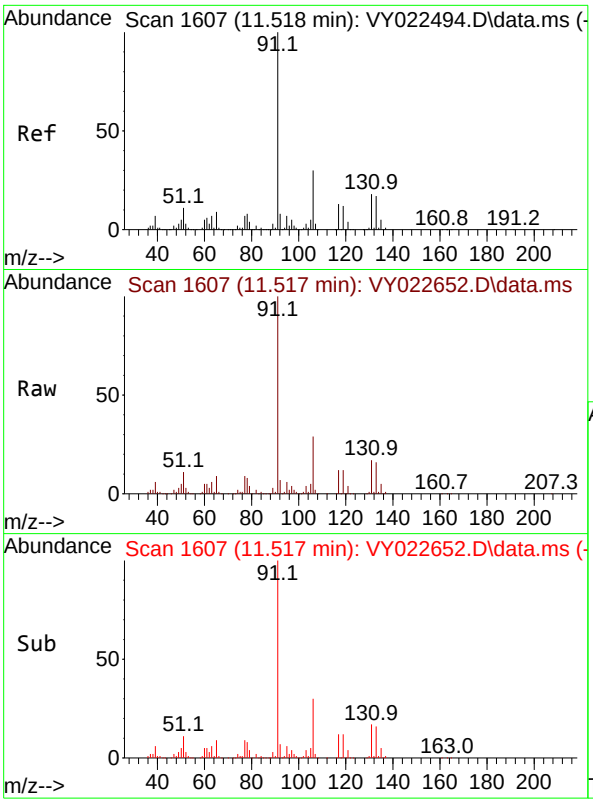


#66
1,1,1,2-Tetrachloroethane
Concen: 52.156 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:131 Resp: 88180

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	141.8
119	67.2	33.1	99.3

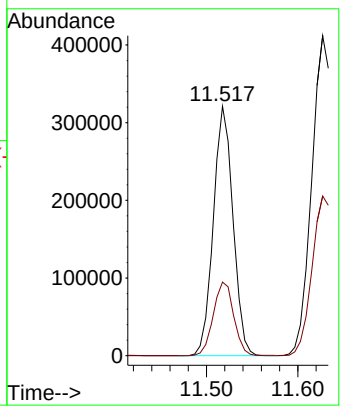




#67
Ethyl Benzene
Concen: 51.549 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 47985

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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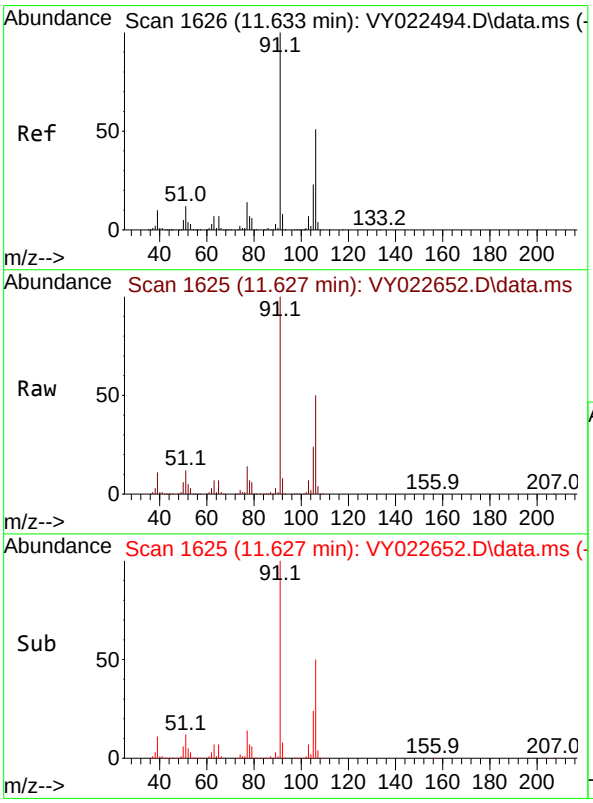
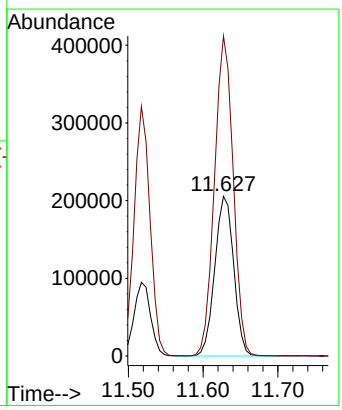
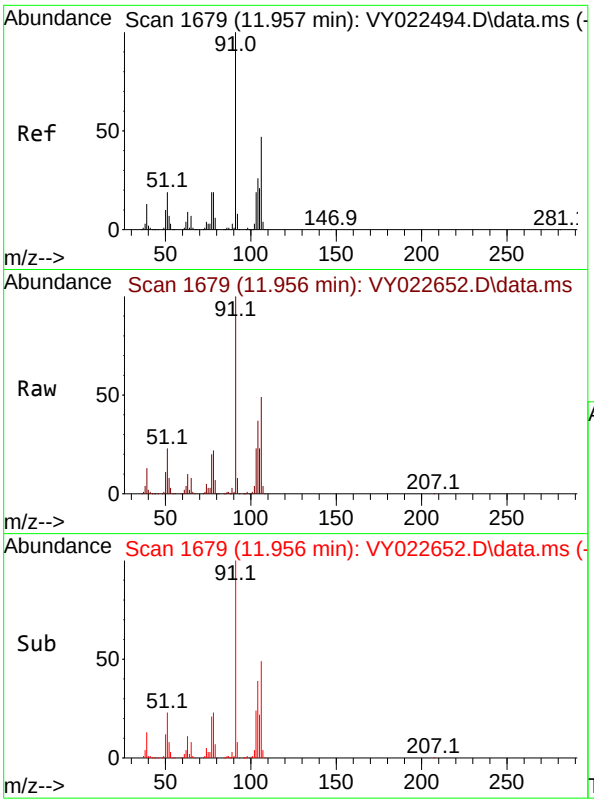


#68
m/p-Xylenes
Concen: 102.714 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:106 Resp: 362462

Ion	Ratio	Lower	Upper
106	100		
91	198.2	159.4	239.0

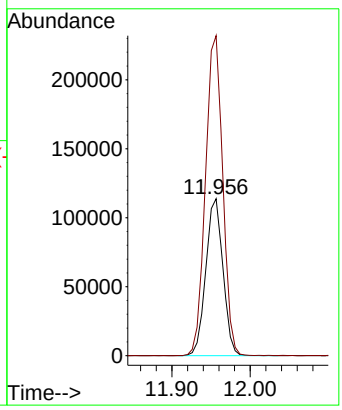




#69
o-Xylene
Concen: 52.136 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:106 Resp: 17249

Ion	Ratio	Lower	Upper
106	100		
91	205.8	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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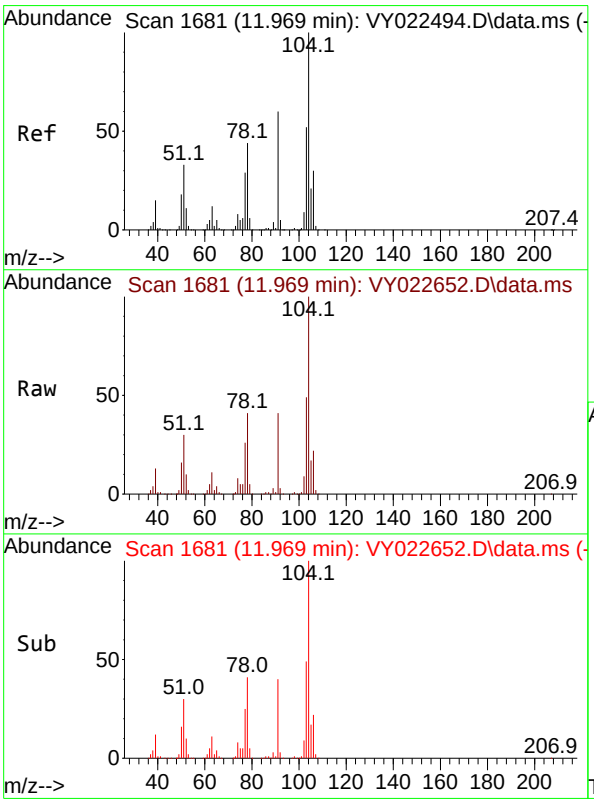
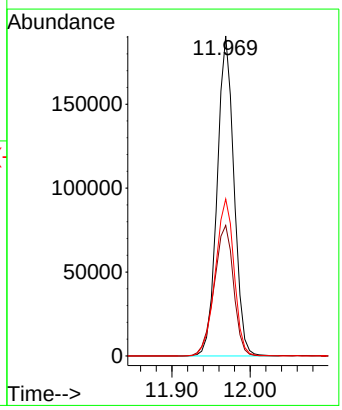
Supervised By :Semsettin Yesilyurt 06/12/2025

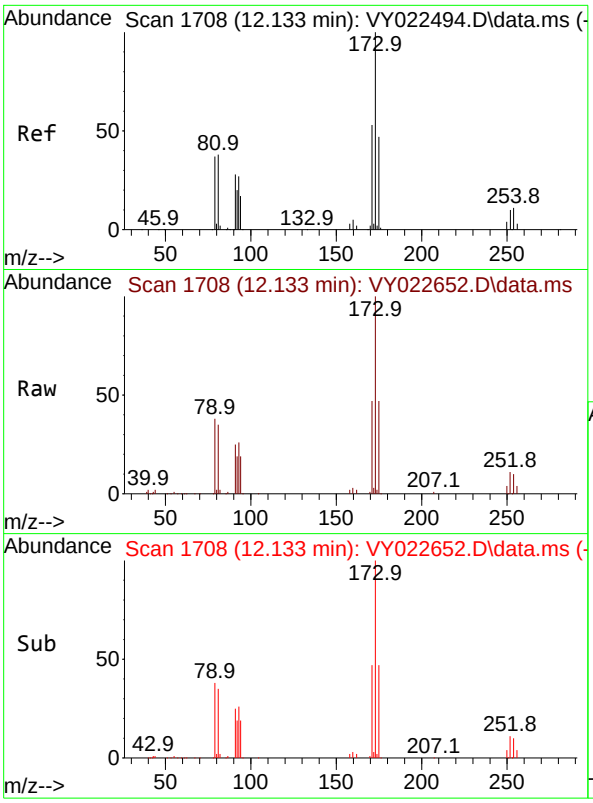


#70
Styrene
Concen: 52.154 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:104 Resp: 285228

Ion	Ratio	Lower	Upper
104	100		
78	47.0	39.5	59.3
103	54.6	44.1	66.1

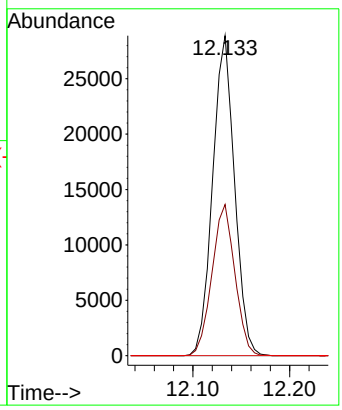




#71
Bromoform
Concen: 50.392 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:173 Resp: 4533

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.5
254	0.0	0.0	0.0



Instrument :
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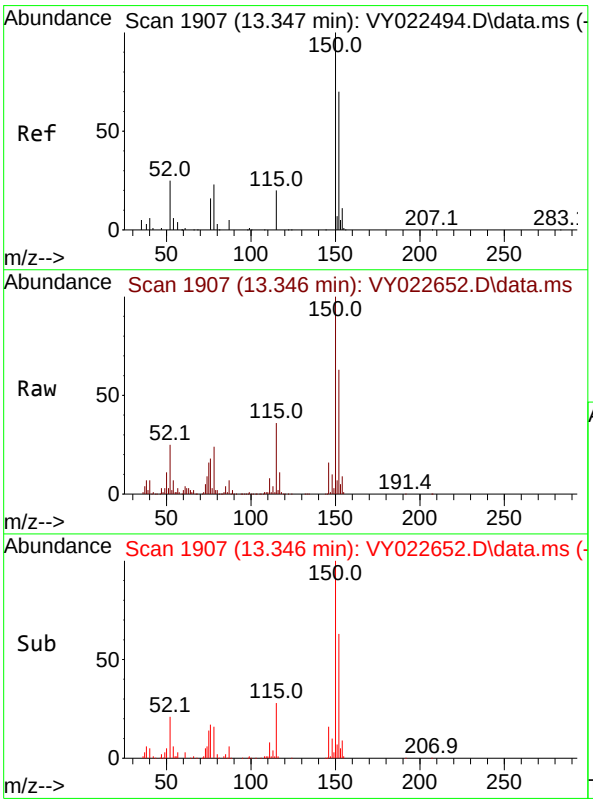
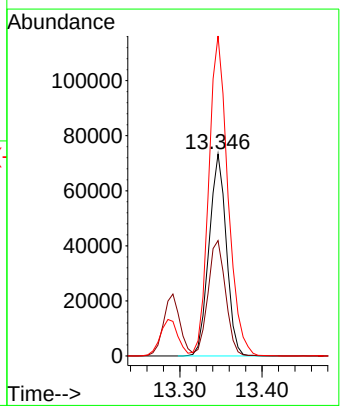
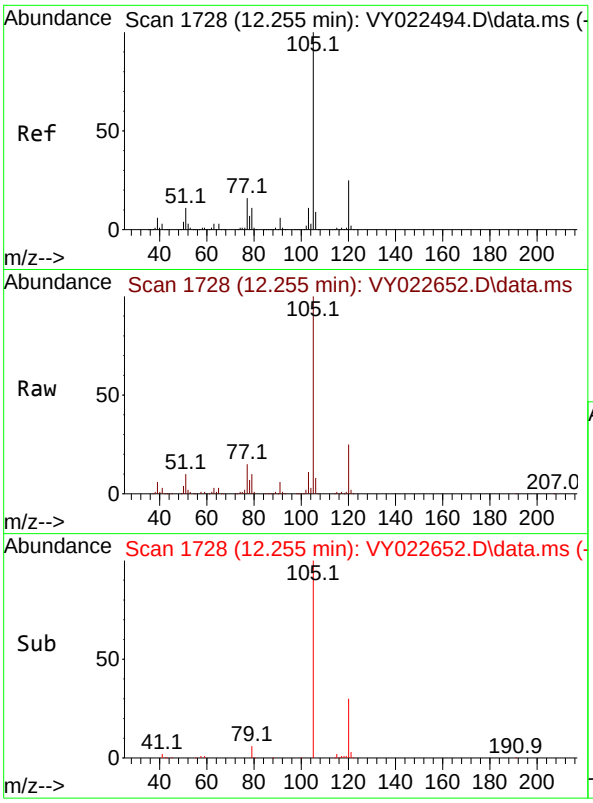


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:152 Resp: 106876

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.7
150	176.1	0.0	349.6

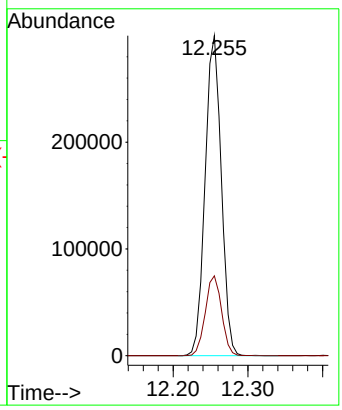




#73
Isopropylbenzene
Concen: 51.212 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:105 Resp: 44936

Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.0	38.9



Instrument :
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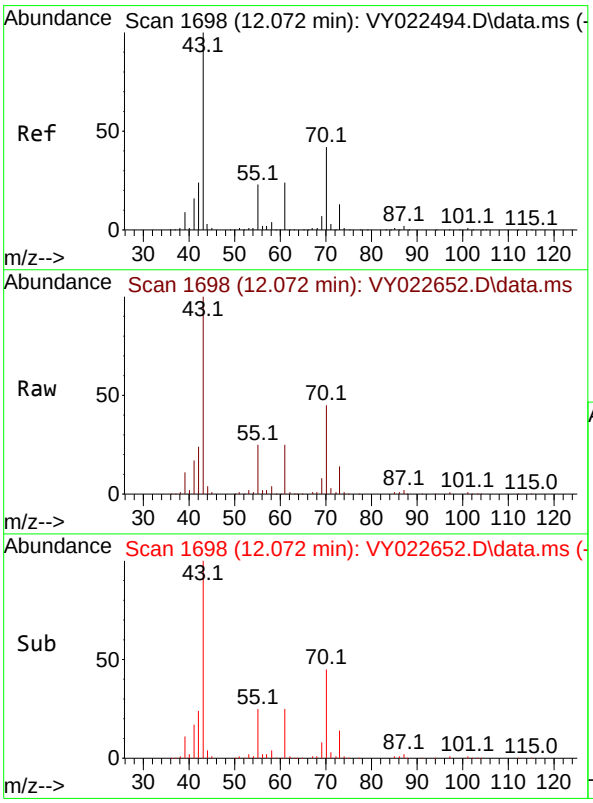
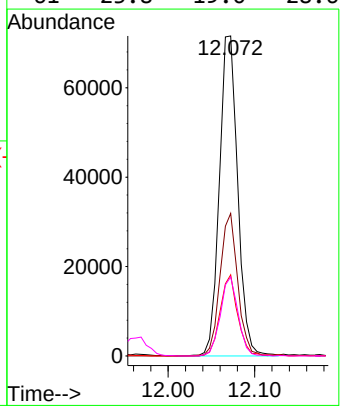
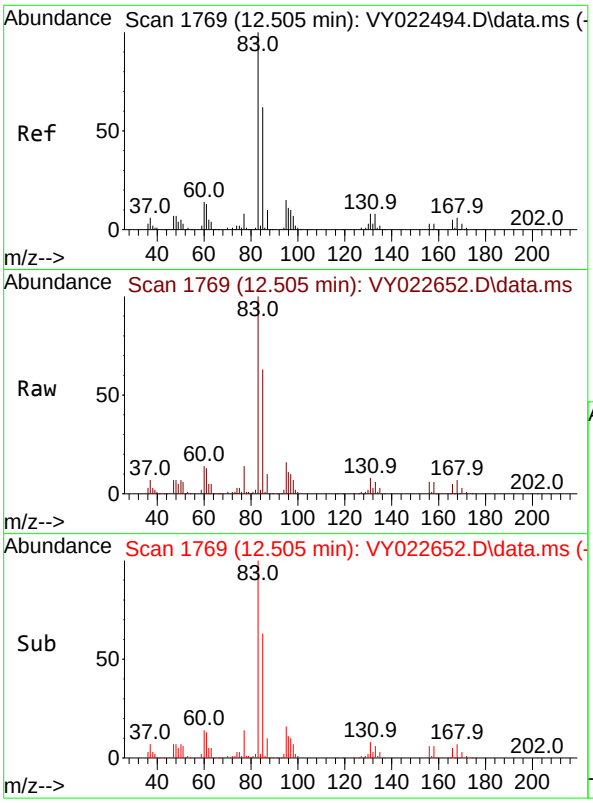


#74
N-amyl acetate
Concen: 47.644 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 105483

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.2	51.2
55	24.5	18.2	27.4
61	23.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 47.263 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 83 Resp: 6806

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.6	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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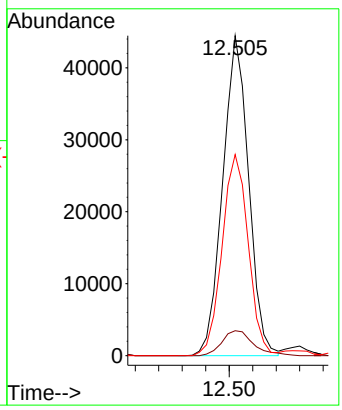
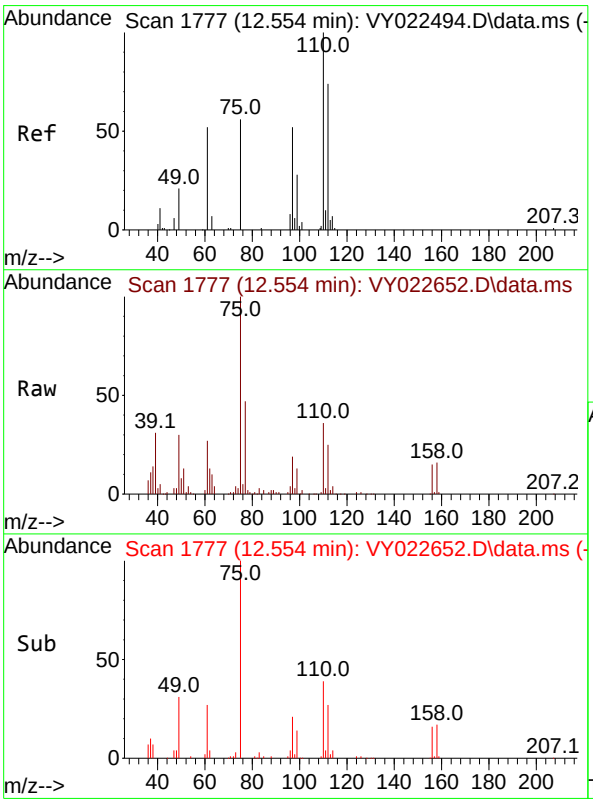
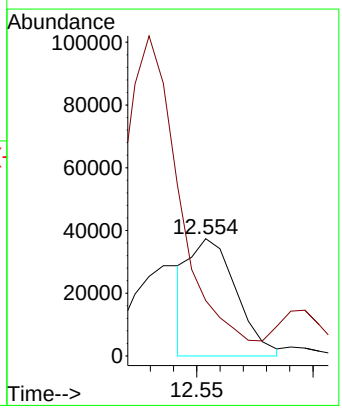


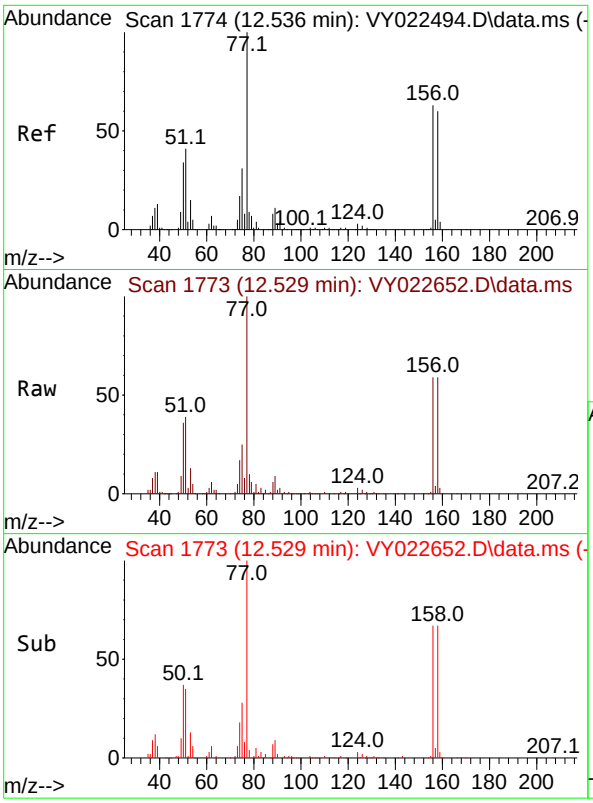


#76
1,2,3-Trichloropropane
Concen: 42.921 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 52480

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

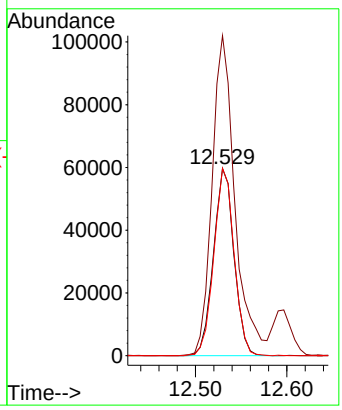




#77
Bromobenzene
Concen: 50.220 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:156 Resp: 9299

Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.0	282.1
158	98.9	48.2	144.6



Instrument :
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ClientSampleId :
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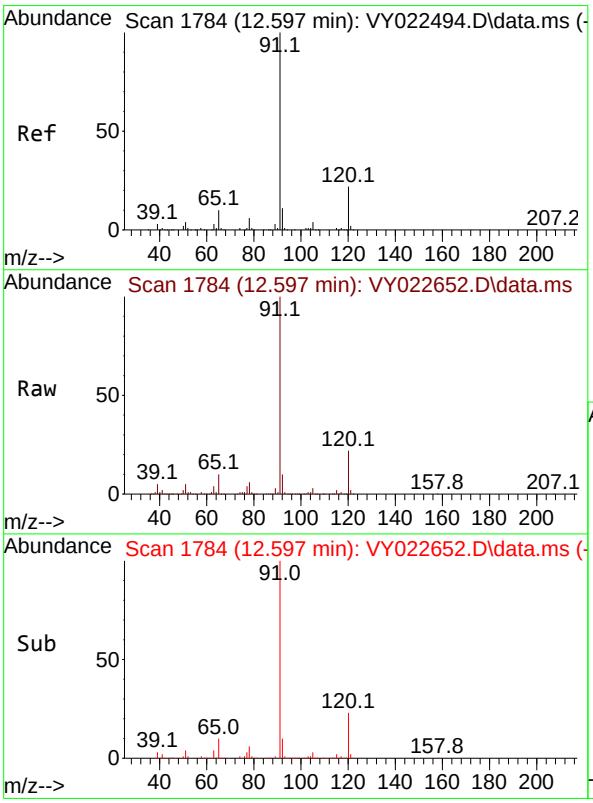
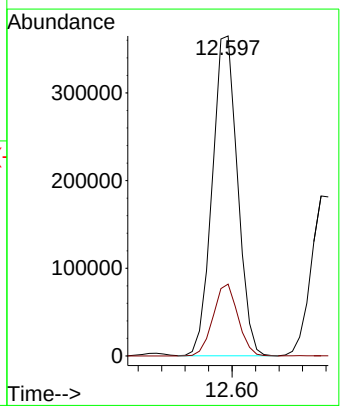
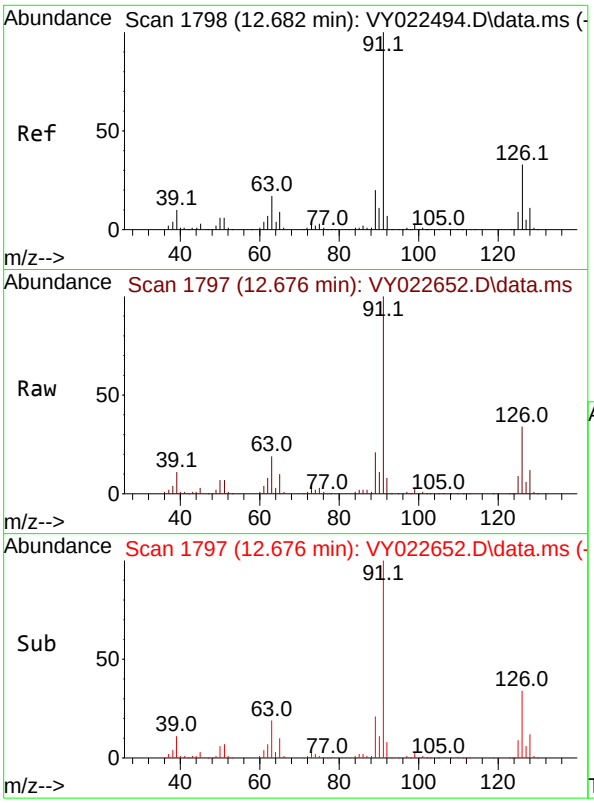


#78
n-propylbenzene
Concen: 50.847 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 544933

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

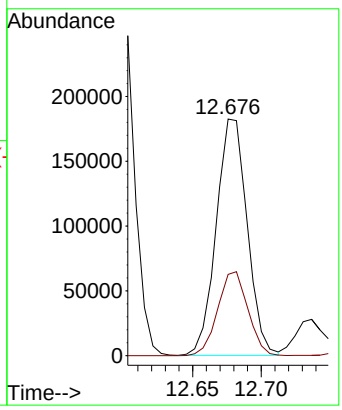




#79
2-Chlorotoluene
Concen: 50.518 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 28694

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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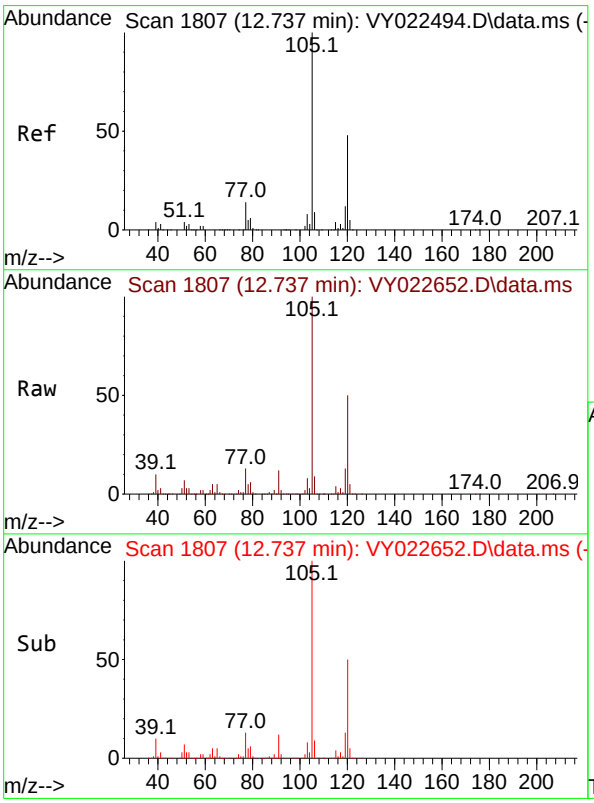
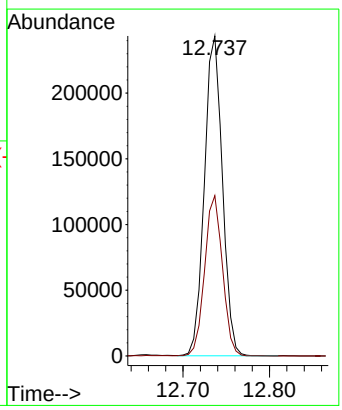
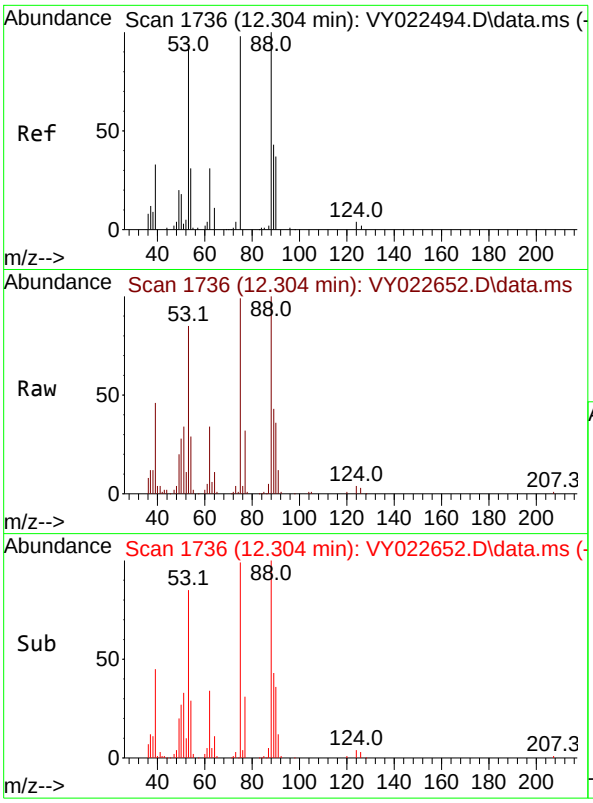


#80
1,3,5-Trimethylbenzene
Concen: 51.032 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:105 Resp: 351549

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 48.473 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 2454

Ion	Ratio	Lower	Upper
75	100		
53	92.7	78.5	117.7
89	45.9	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
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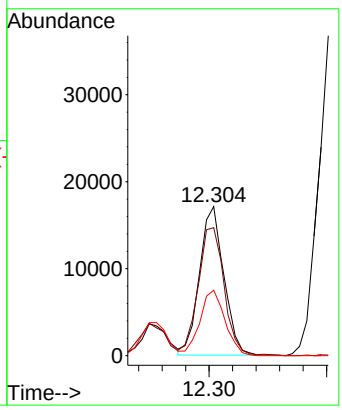
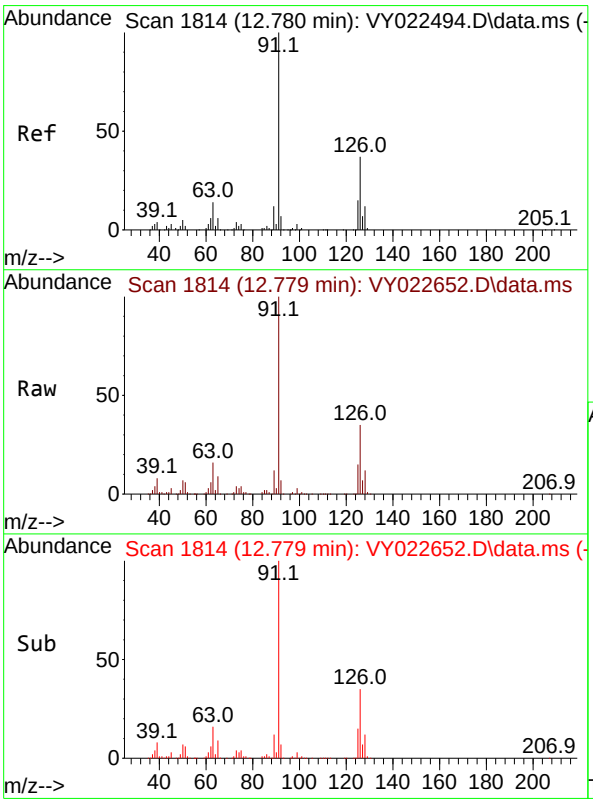
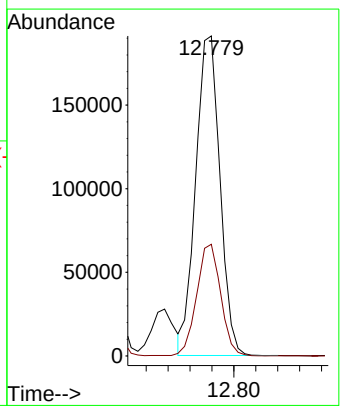


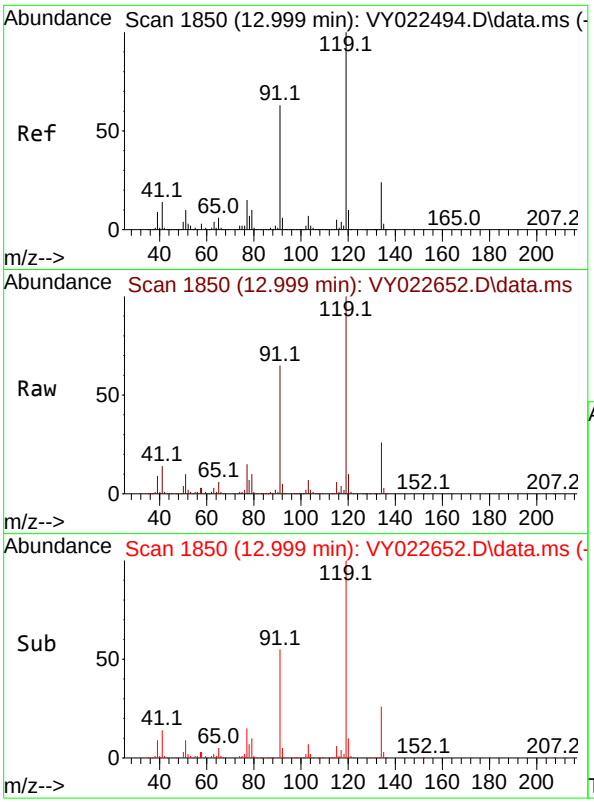


#82
4-Chlorotoluene
Concen: 50.043 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 293231

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	50.9

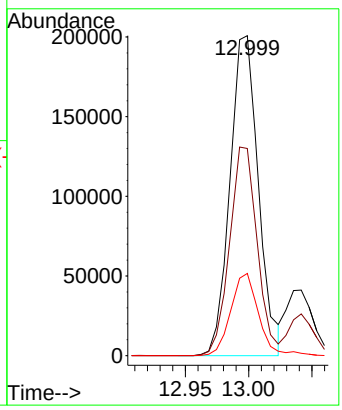




#83
tert-Butylbenzene
Concen: 50.858 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:119 Resp: 31444

Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.1	96.3
134	25.3	13.0	38.9



Instrument :
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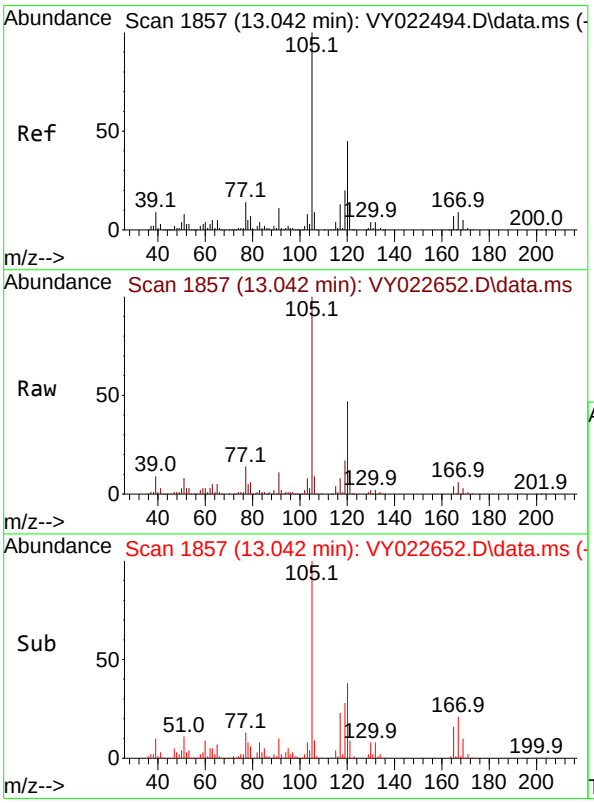
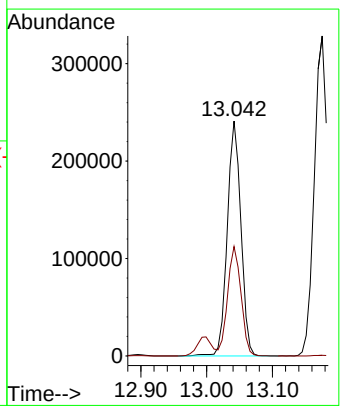
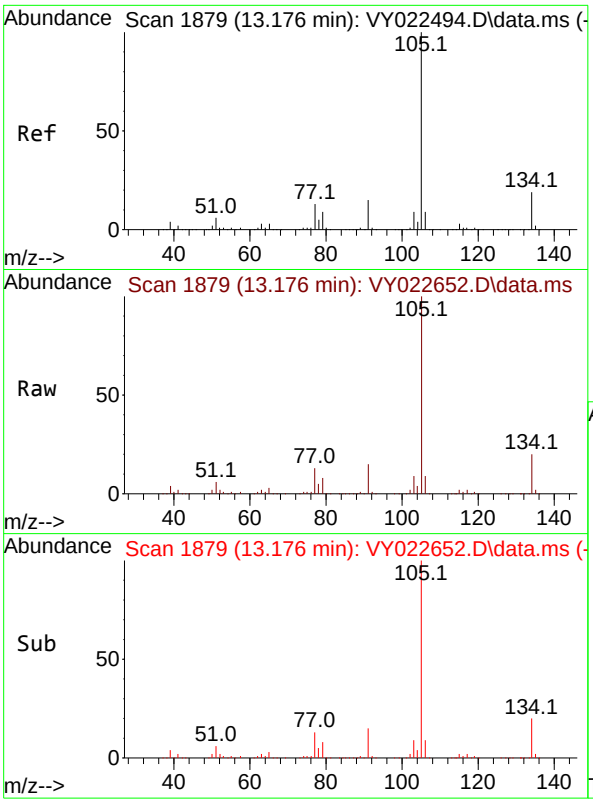


#84
1,2,4-Trimethylbenzene
Concen: 50.520 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:105 Resp: 348078

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1

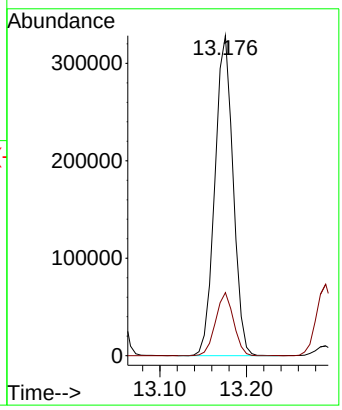




#85
sec-Butylbenzene
Concen: 50.596 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:105 Resp: 47910

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9



Instrument :
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ClientSampleId :
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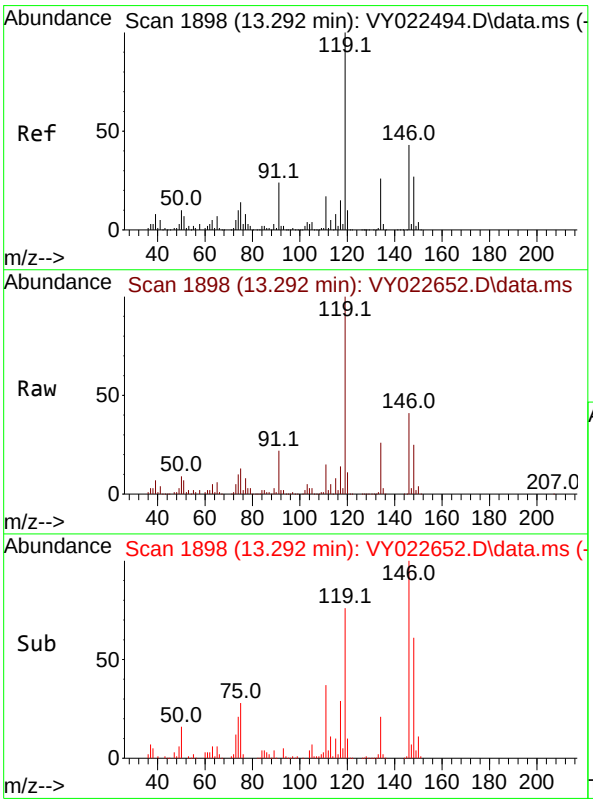
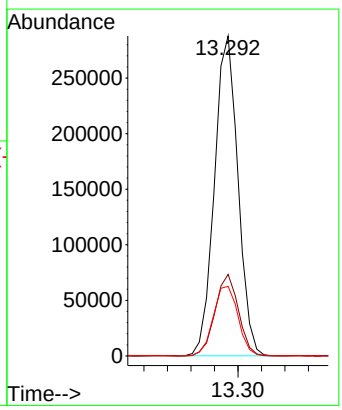
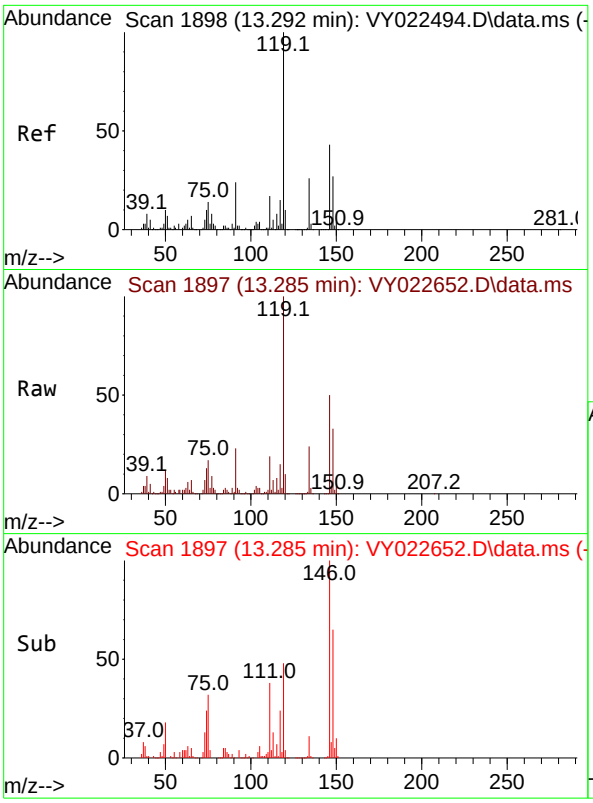


#86
p-Isopropyltoluene
Concen: 51.264 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:119 Resp: 400127

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.1
91	22.9	11.6	34.8

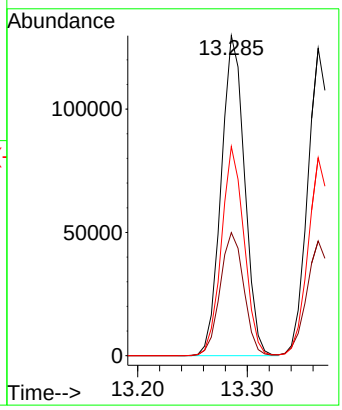




#87
1,3-Dichlorobenzene
Concen: 51.355 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:146 Resp: 19266

Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.1	60.2
148	63.3	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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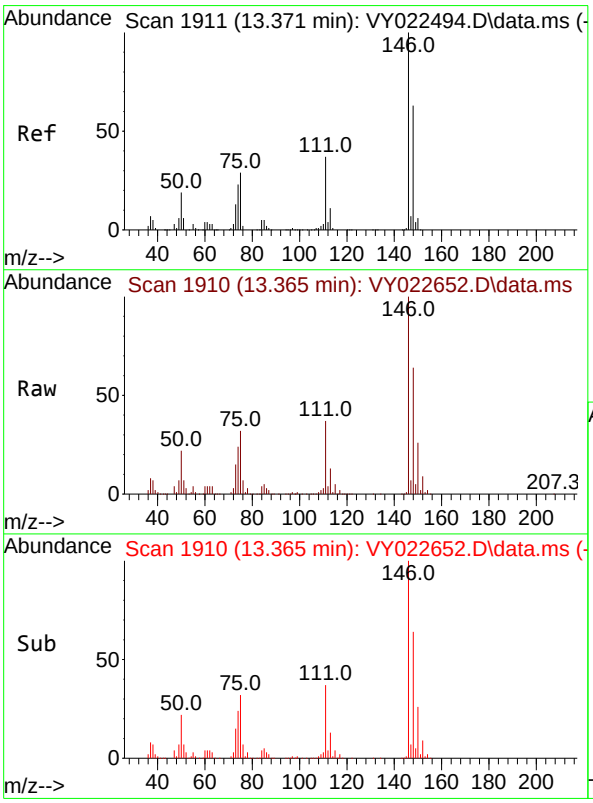
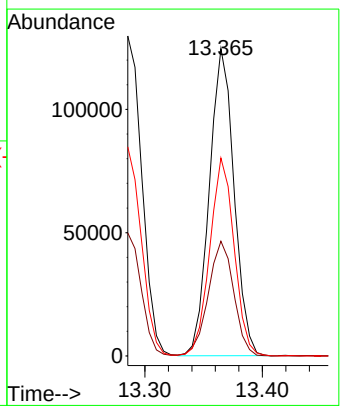
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

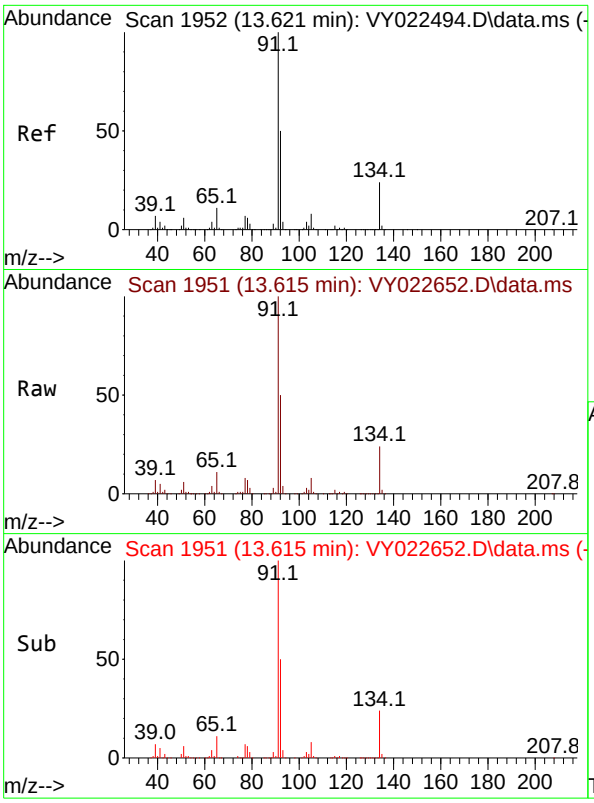


#88
1,4-Dichlorobenzene
Concen: 49.953 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:146 Resp: 181764

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.7	31.6	94.8

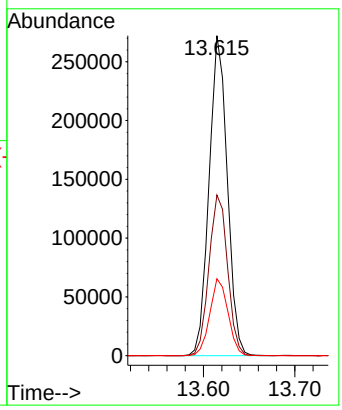




#89
n-Butylbenzene
Concen: 50.734 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 37570

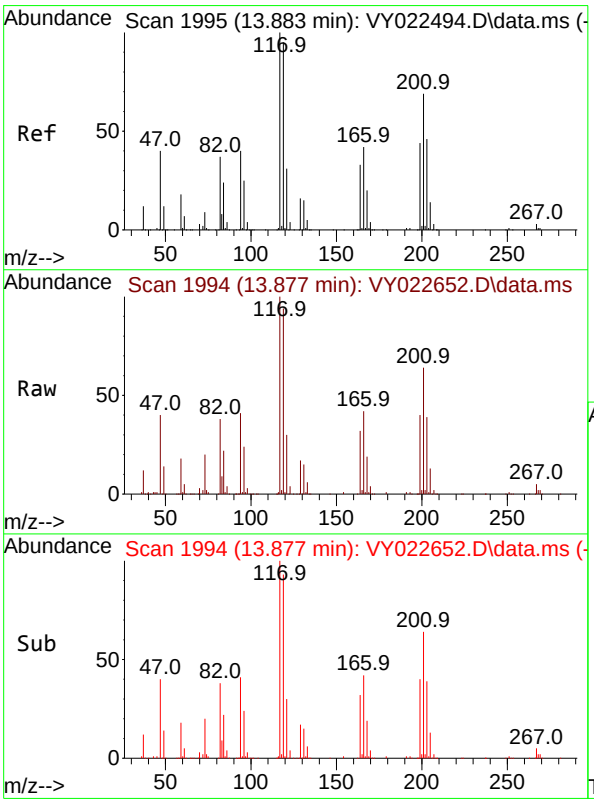
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

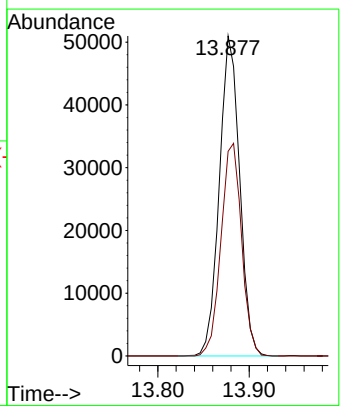
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

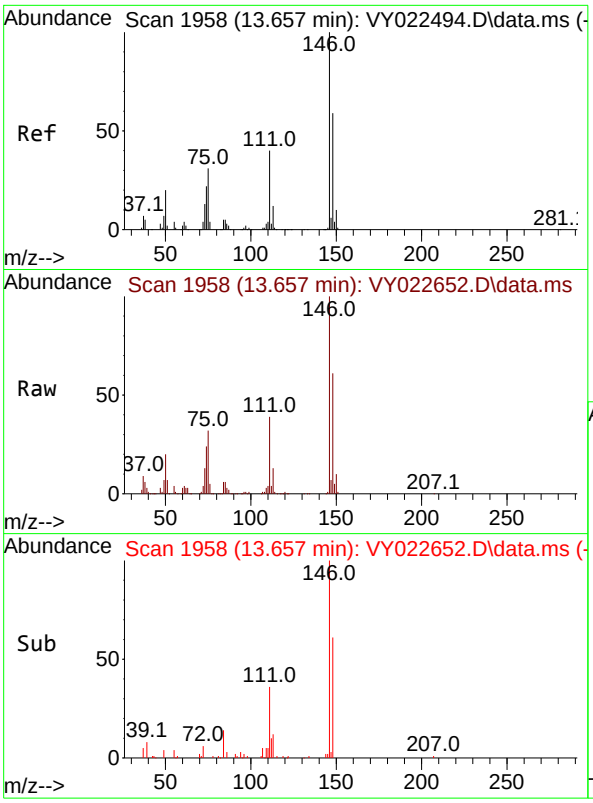


#90
Hexachloroethane
Concen: 51.856 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:117 Resp: 78797

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.0	102.0

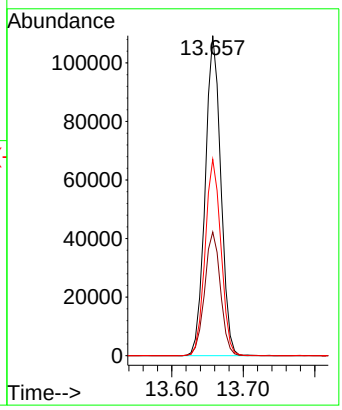




#91
1,2-Dichlorobenzene
Concen: 51.900 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:146 Resp: 16531

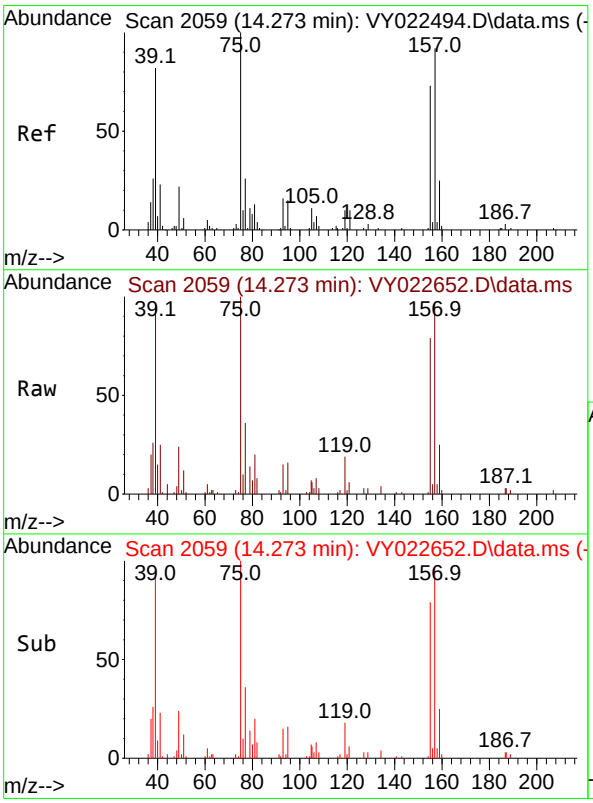
Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.2	60.6
148	62.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

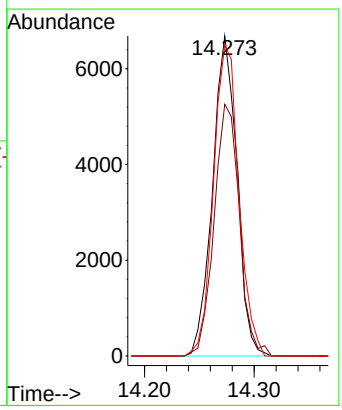
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

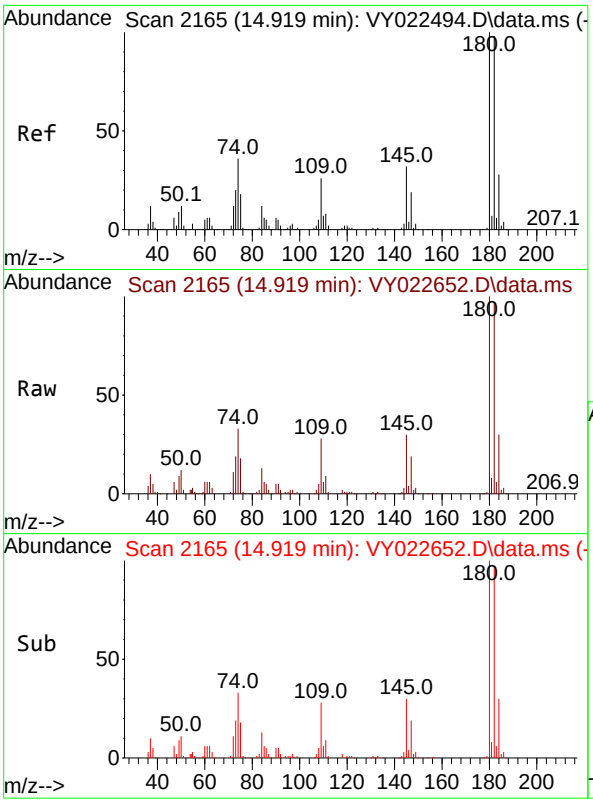


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.472 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 10373

Ion	Ratio	Lower	Upper
75	100		
155	81.0	39.9	119.6
157	100.5	54.0	162.0

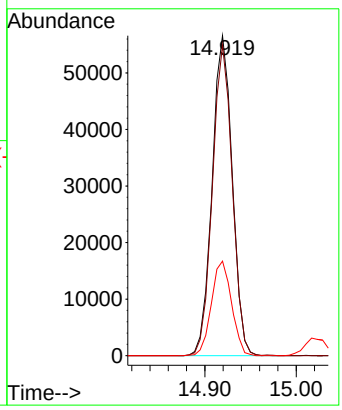




#93
1,2,4-Trichlorobenzene
Concen: 49.755 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:180 Resp: 8643

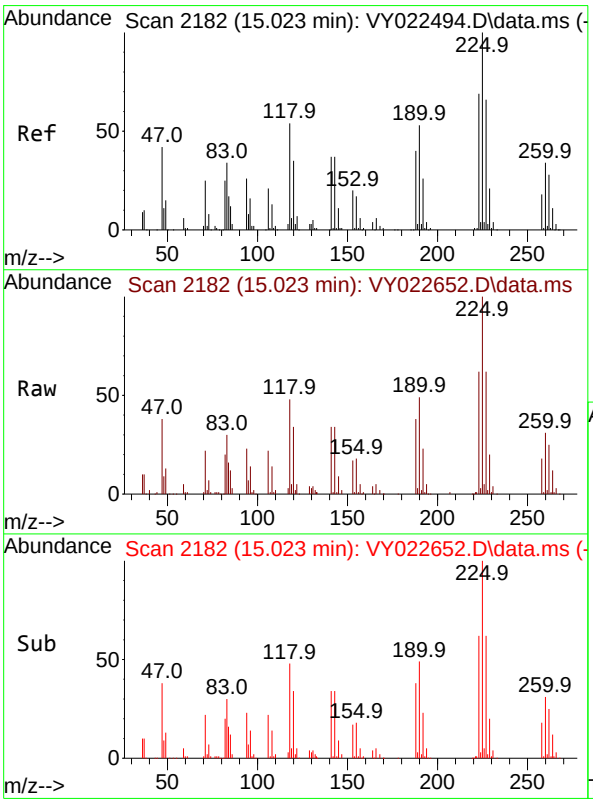
Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.3
145	29.7	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

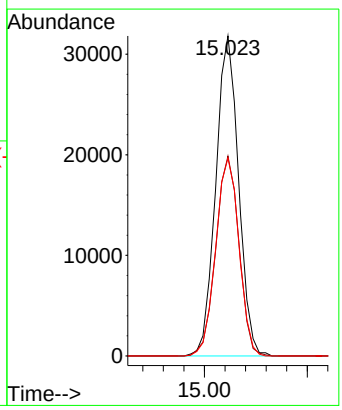
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

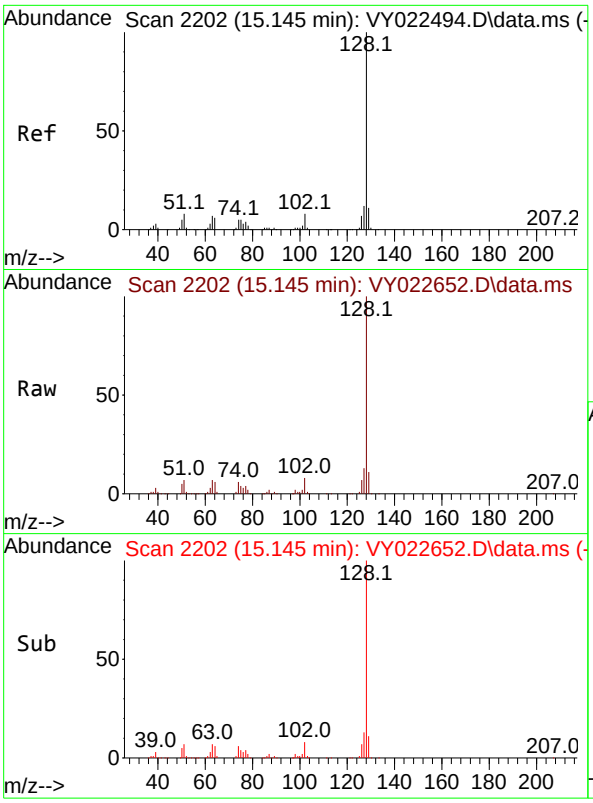


#94
Hexachlorobutadiene
Concen: 50.999 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:225 Resp: 48899

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	63.1	32.3	96.9

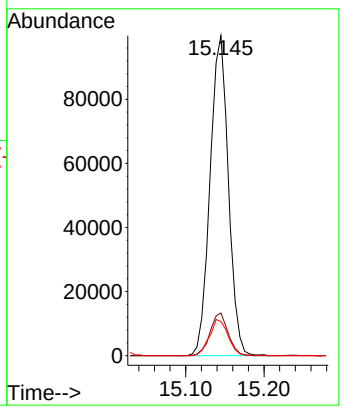




#95
Naphthalene
Concen: 48.688 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:128 Resp: 16231

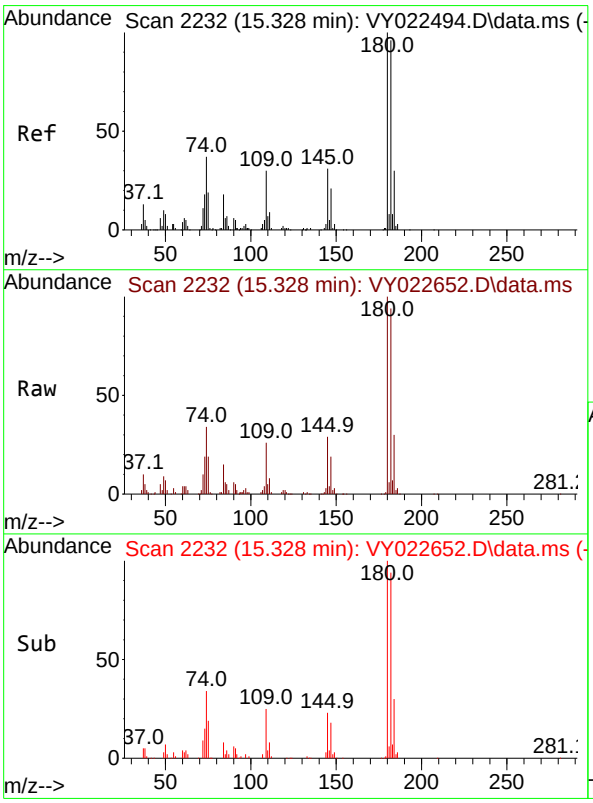
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

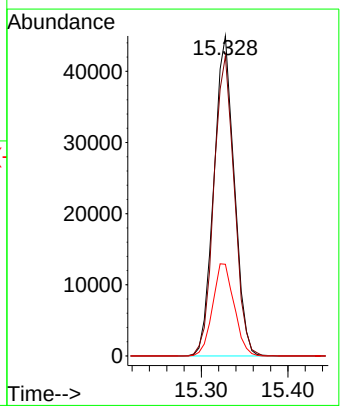
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.319 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:180 Resp: 73426

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	30.5	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	0.448	0.400	10.7	73	0.00
3	P	Chloromethane	1.322	1.372	-3.8	84	0.00
4	C	Vinyl Chloride	1.534	1.715	-11.8#	86	0.00
5	T	Bromomethane	1.470	1.318	10.3	80	0.00
6	T	Chloroethane	1.053	1.122	-6.6	87	0.00
7	T	Trichlorofluoromethane	1.302	1.417	-8.8	87	0.00
8	T	Diethyl Ether	0.293	0.285	2.7	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.546	0.5	76	0.00
10	T	Methyl Iodide	0.594	0.598	-0.7	70	0.00
11	T	Tert butyl alcohol	0.040	0.037	7.5	71	-0.01
12	CM	1,1-Dichloroethene	0.524	0.510	2.7#	74	-0.01
13	T	Acrolein	0.050	0.023	54.0#	36#	0.00
14	T	Allyl chloride	0.823	0.769	6.6	72	-0.01
15	T	Acrylonitrile	0.124	0.123	0.8	73	0.00
16	T	Acetone	0.114	0.097	14.9	63	0.00
17	T	Carbon Disulfide	1.679	1.592	5.2	72	0.00
18	T	Methyl Acetate	0.336	0.340	-1.2	77	0.00
19	T	Methyl tert-butyl Ether	1.477	1.440	2.5	74	-0.02
20	T	Methylene Chloride	0.645	0.603	6.5	79	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.581	1.0	76	-0.02
22	T	Diisopropyl ether	1.832	1.801	1.7	74	0.00
23	T	Vinyl Acetate	1.084	1.033	4.7	72	0.00
24	P	1,1-Dichloroethane	1.079	1.099	-1.9	78	0.00
25	T	2-Butanone	0.164	0.155	5.5	69	0.00
26	T	2,2-Dichloropropane	0.954	0.951	0.3	75	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.683	-0.7	75	0.00
28	T	Bromochloromethane	0.471	0.482	-2.3	80	0.00
29	T	Tetrahydrofuran	0.106	0.101	4.7	72	0.00
30	C	Chloroform	1.069	1.111	-3.9#	79	0.00
31	T	Cyclohexane	1.075	0.947	11.9	70	0.00
32	T	1,1,1-Trichloroethane	0.949	0.973	-2.5	77	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.596	-6.6	76	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35	S	Dibromofluoromethane	0.298	0.327	-9.7	77	0.00
36	T	1,1-Dichloropropene	0.484	0.483	0.2	75	0.00
37	T	Ethyl Acetate	0.216	0.210	2.8	69	-0.01
38	T	Carbon Tetrachloride	0.497	0.510	-2.6	76	0.00
39	T	Methylcyclohexane	0.651	0.620	4.8	71	0.00
40	TM	Benzene	1.431	1.466	-2.4	77	0.00
41	T	Methacrylonitrile	0.126	0.121	4.0	73	0.00
42	TM	1,2-Dichloroethane	0.391	0.400	-2.3	78	0.00
43	T	Isopropyl Acetate	0.467	0.445	4.7	70	0.00
44	TM	Trichloroethene	0.350	0.369	-5.4	79	0.00
45	C	1,2-Dichloropropane	0.338	0.348	-3.0#	77	0.00
46	T	Dibromomethane	0.190	0.199	-4.7	78	0.00
47	T	Bromodichloromethane	0.482	0.509	-5.6	78	0.00
48	T	Methyl methacrylate	0.219	0.206	5.9	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	74	0.00
50	S	Toluene-d8	1.206	1.324	-9.8	78	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.231	0.9	72	0.00
52	CM	Toluene	0.899	0.932	-3.7#	78	0.00
53	T	t-1,3-Dichloropropene	0.452	0.468	-3.5	77	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.538	-2.3	76	0.00
55	T	1,1,2-Trichloroethane	0.243	0.246	-1.2	77	0.00
56	T	Ethyl methacrylate	0.351	0.349	0.6	73	0.00
57	T	1,3-Dichloropropane	0.430	0.438	-1.9	76	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.175	-10.1	83	0.00
59	T	2-Hexanone	0.156	0.151	3.2	71	0.00
60	T	Dibromochloromethane	0.308	0.320	-3.9	77	0.00
61	T	1,2-Dibromoethane	0.221	0.228	-3.2	77	0.00
62	S	4-Bromofluorobenzene	0.359	0.388	-8.1	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
64	T	Tetrachloroethene	0.430	0.499	-16.0	87	0.00
65	PM	Chlorobenzene	1.106	1.154	-4.3	79	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.389	-4.3	78	0.00
67	C	Ethyl Benzene	2.052	2.116	-3.1#	77	0.00
68	T	m/p-Xylenes	0.778	0.799	-2.7	77	0.00
69	T	o-Xylene	0.729	0.761	-4.4	79	0.00
70	T	Styrene	1.206	1.258	-4.3	78	0.00
71	P	Bromoform	0.198	0.200	-1.0	76	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	4.105	4.204	-2.4	78	0.00
74	T	N-amyl acetate	1.036	0.987	4.7	70	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.637	5.5	71	0.00
76	T	1,2,3-Trichloropropane	0.572	0.491	14.2	60	0.00
77	T	Bromobenzene	0.866	0.870	-0.5	77	0.00
78	T	n-propylbenzene	5.014	5.099	-1.7	77	0.00
79	T	2-Chlorotoluene	2.657	2.685	-1.1	77	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.289	-2.0	77	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.230	3.0	75	0.00
82	T	4-Chlorotoluene	2.741	2.744	-0.1	76	0.00
83	T	tert-Butylbenzene	2.893	2.942	-1.7	78	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.257	-1.1	77	0.00
85	T	sec-Butylbenzene	4.430	4.483	-1.2	77	0.00
86	T	p-Isopropyltoluene	3.652	3.744	-2.5	78	0.00
87	T	1,3-Dichlorobenzene	1.755	1.803	-2.7	80	0.00
88	T	1,4-Dichlorobenzene	1.702	1.701	0.1	77	0.00
89	T	n-Butylbenzene	3.464	3.515	-1.5	76	0.00
90	T	Hexachloroethane	0.711	0.737	-3.7	79	0.00
91	T	1,2-Dichlorobenzene	1.490	1.547	-3.8	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.097	1.0	71	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.809	0.5	76	0.00
94	T	Hexachlorobutadiene	0.449	0.458	-2.0	78	0.00
95	T	Naphthalene	1.560	1.519	2.6	72	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	0.697	0.687	1.4	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	50.000	44.633	10.7	73	0.00
3	P	Chloromethane	50.000	51.880	-3.8	84	0.00
4	C	Vinyl Chloride	50.000	55.897	-11.8#	86	0.00
5	T	Bromomethane	50.000	44.819	10.4	80	0.00
6	T	Chloroethane	50.000	53.279	-6.6	87	0.00
7	T	Trichlorofluoromethane	50.000	54.391	-8.8	87	0.00
8	T	Diethyl Ether	50.000	48.566	2.9	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.746	0.5	76	0.00
10	T	Methyl Iodide	50.000	50.351	-0.7	70	0.00
11	T	Tert butyl alcohol	250.000	232.995	6.8	71	-0.01
12	CM	1,1-Dichloroethene	50.000	48.677	2.6#	74	-0.01
13	T	Acrolein	250.000	115.103	54.0#	36	0.00
14	T	Allyl chloride	50.000	46.712	6.6	72	-0.01
15	T	Acrylonitrile	250.000	247.609	1.0	73	0.00
16	T	Acetone	250.000	212.487	15.0	63	0.00
17	T	Carbon Disulfide	50.000	47.420	5.2	72	0.00
18	T	Methyl Acetate	50.000	50.535	-1.1	77	0.00
19	T	Methyl tert-butyl Ether	50.000	48.760	2.5	74	-0.02
20	T	Methylene Chloride	50.000	46.721	6.6	79	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.515	1.0	76	-0.02
22	T	Diisopropyl ether	50.000	49.152	1.7	74	0.00
23	T	Vinyl Acetate	250.000	238.054	4.8	72	0.00
24	P	1,1-Dichloroethane	50.000	50.908	-1.8	78	0.00
25	T	2-Butanone	250.000	236.409	5.4	69	0.00
26	T	2,2-Dichloropropane	50.000	49.833	0.3	75	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.321	-0.6	75	0.00
28	T	Bromochloromethane	50.000	51.267	-2.5	80	0.00
29	T	Tetrahydrofuran	250.000	238.466	4.6	72	0.00
30	C	Chloroform	50.000	51.947	-3.9#	79	0.00
31	T	Cyclohexane	50.000	44.059	11.9	70	0.00
32	T	1,1,1-Trichloroethane	50.000	51.247	-2.5	77	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.295	-6.6	76	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35	S	Dibromofluoromethane	50.000	54.732	-9.5	77	0.00
36	T	1,1-Dichloropropene	50.000	49.883	0.2	75	0.00
37	T	Ethyl Acetate	50.000	48.679	2.6	69	-0.01
38	T	Carbon Tetrachloride	50.000	51.363	-2.7	76	0.00
39	T	Methylcyclohexane	50.000	47.635	4.7	71	0.00
40	TM	Benzene	50.000	51.219	-2.4	77	0.00
41	T	Methacrylonitrile	50.000	47.810	4.4	73	0.00
42	TM	1,2-Dichloroethane	50.000	51.210	-2.4	78	0.00
43	T	Isopropyl Acetate	50.000	47.665	4.7	70	0.00
44	TM	Trichloroethene	50.000	52.755	-5.5	79	0.00
45	C	1,2-Dichloropropane	50.000	51.503	-3.0#	77	0.00
46	T	Dibromomethane	50.000	52.423	-4.8	78	0.00
47	T	Bromodichloromethane	50.000	52.817	-5.6	78	0.00
48	T	Methyl methacrylate	50.000	47.036	5.9	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	951.195	4.9	74	0.00
50	S	Toluene-d8	50.000	54.889	-9.8	78	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.232	0.7	72	0.00
52	CM	Toluene	50.000	51.844	-3.7#	78	0.00
53	T	t-1,3-Dichloropropene	50.000	51.731	-3.5	77	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.121	-2.2	76	0.00
55	T	1,1,2-Trichloroethane	50.000	50.652	-1.3	77	0.00
56	T	Ethyl methacrylate	50.000	49.753	0.5	73	0.00
57	T	1,3-Dichloropropane	50.000	50.976	-2.0	76	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.143	-9.7	83	0.00
59	T	2-Hexanone	250.000	242.841	2.9	71	0.00
60	T	Dibromochloromethane	50.000	51.909	-3.8	77	0.00
61	T	1,2-Dibromoethane	50.000	51.536	-3.1	77	0.00
62	S	4-Bromofluorobenzene	50.000	53.948	-7.9	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	76	0.00
64	T	Tetrachloroethene	50.000	57.985	-16.0	87	0.00
65	PM	Chlorobenzene	50.000	52.170	-4.3	79	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.156	-4.3	78	0.00
67	C	Ethyl Benzene	50.000	51.549	-3.1#	77	0.00
68	T	m/p-Xylenes	100.000	102.714	-2.7	77	0.00
69	T	o-Xylene	50.000	52.136	-4.3	79	0.00
70	T	Styrene	50.000	52.154	-4.3	78	0.00
71	P	Bromoform	50.000	50.392	-0.8	76	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	51.212	-2.4	78	0.00
74	T	N-amyl acetate	50.000	47.644	4.7	70	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.263	5.5	71	0.00
76	T	1,2,3-Trichloropropane	50.000	42.921	14.2	60	0.00
77	T	Bromobenzene	50.000	50.220	-0.4	77	0.00
78	T	n-propylbenzene	50.000	50.847	-1.7	77	0.00
79	T	2-Chlorotoluene	50.000	50.518	-1.0	77	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.032	-2.1	77	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.473	3.1	75	0.00
82	T	4-Chlorotoluene	50.000	50.043	-0.1	76	0.00
83	T	tert-Butylbenzene	50.000	50.858	-1.7	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.520	-1.0	77	0.00
85	T	sec-Butylbenzene	50.000	50.596	-1.2	77	0.00
86	T	p-Isopropyltoluene	50.000	51.264	-2.5	78	0.00
87	T	1,3-Dichlorobenzene	50.000	51.355	-2.7	80	0.00
88	T	1,4-Dichlorobenzene	50.000	49.953	0.1	77	0.00
89	T	n-Butylbenzene	50.000	50.734	-1.5	76	0.00
90	T	Hexachloroethane	50.000	51.856	-3.7	79	0.00
91	T	1,2-Dichlorobenzene	50.000	51.900	-3.8	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.472	1.1	71	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.755	0.5	76	0.00
94	T	Hexachlorobutadiene	50.000	50.999	-2.0	78	0.00
95	T	Naphthalene	50.000	48.688	2.6	72	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	49.319	1.4	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 15:07

Lab File ID: VY022664.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.384		-14.29	50
Chloromethane	1.322	1.072	0.1	-18.91	50
Vinyl Chloride	1.534	1.698		10.69	50
Bromomethane	1.470	1.259		-14.35	50
Chloroethane	1.053	1.192		13.2	50
Tetrahydrofuran	0.106	0.089		-16.04	50
Trichlorofluoromethane	1.302	1.495		14.82	50
1,1,2-Trichlorotrifluoroethane	0.549	0.521		-5.1	50
1,1-Dichloroethene	0.524	0.523		-0.19	50
Acrylonitrile	0.124	0.109		-12.1	50
Acetone	0.114	0.101		-11.4	50
Carbon Disulfide	1.679	1.519		-9.53	50
Methyl tert-butyl Ether	1.477	1.369		-7.31	50
Methylene Chloride	0.645	0.580		-10.08	50
trans-1,2-Dichloroethene	0.587	0.570		-2.9	50
1,1-Dichloroethane	1.079	1.064	0.1	-1.39	50
2-Butanone	0.164	0.143		-12.81	50
Carbon Tetrachloride	0.497	0.501		0.81	50
2,2-Dichloropropane	0.954	0.959		0.52	50
cis-1,2-Dichloroethene	0.678	0.684		0.88	50
Chloroform	1.069	1.074		0.47	50
1,1,1-Trichloroethane	0.949	0.953		0.42	50
1,1-Dichloropropene	0.484	0.485		0.21	50
Benzene	1.431	1.469		2.65	50
1,2-Dichloroethane	0.391	0.360		-7.93	50
Trichloroethene	0.350	0.382		9.14	50
1,2-Dichloropropane	0.338	0.339		0.3	50
Dibromomethane	0.190	0.186		-2.11	50
Bromodichloromethane	0.482	0.475		-1.45	50
4-Methyl-2-Pentanone	0.233	0.208		-10.73	50
Toluene	0.899	0.917		2	50
t-1,3-Dichloropropene	0.452	0.431		-4.65	50
cis-1,3-Dichloropropene	0.526	0.522		-0.76	50
1,1,2-Trichloroethane	0.243	0.231		-4.94	50
1,3-Dichloropropane	0.430	0.413		-3.95	50
2-Hexanone	0.156	0.140		-10.26	50
Dibromochloromethane	0.308	0.297		-3.57	50
1,2-Dibromoethane	0.221	0.214		-3.17	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 15:07

Lab File ID: VY022664.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.430	0.550		27.91	50
Chlorobenzene	1.106	1.150	0.3	3.98	50
1,1,1,2-Tetrachloroethane	0.373	0.381		2.14	50
Ethyl Benzene	2.052	2.110		2.83	50
m/p-Xylenes	0.778	0.813		4.5	50
o-Xylene	0.729	0.772		5.9	50
Styrene	1.206	1.264		4.81	50
Bromoform	0.198	0.192	0.1	-3.03	50
Isopropylbenzene	4.105	4.122		0.41	50
1,1,2,2-Tetrachloroethane	0.674	0.518	0.3	-23.15	50
1,2,3-Trichloropropane	0.572	0.509		-11.01	50
Bromobenzene	0.866	0.866		0	50
n-propylbenzene	5.014	5.001		-0.26	50
2-Chlorotoluene	2.657	2.618		-1.47	50
1,3,5-Trimethylbenzene	3.223	3.226		0.09	50
4-Chlorotoluene	2.741	2.653		-3.21	50
tert-Butylbenzene	2.893	2.973		2.77	50
1,2,4-Trimethylbenzene	3.223	3.209		-0.43	50
sec-Butylbenzene	4.430	4.454		0.54	50
p-Isopropyltoluene	3.652	3.731		2.16	50
1,3-Dichlorobenzene	1.755	1.775		1.14	50
1,4-Dichlorobenzene	1.702	1.670		-1.88	50
n-Butylbenzene	3.464	3.506		1.21	50
1,2-Dichlorobenzene	1.490	1.477		-0.87	50
1,2-Dibromo-3-Chloropropane	0.098	0.089		-9.18	50
1,2,4-Trichlorobenzene	0.813	0.831		2.21	50
Hexachlorobutadiene	0.449	0.455		1.34	50
1,2,3-Trichlorobenzene	0.697	0.675		-3.16	50
1,2-Dichloroethane-d4	0.559	0.505		-9.66	50
Dibromofluoromethane	0.298	0.296		-0.67	50
Toluene-d8	1.206	1.224		1.49	50
4-Bromofluorobenzene	0.359	0.360		0.28	50
trans-1,4-Dichloro-2-butene	0.237	0.196		-17.3	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\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	174652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	290386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	245247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88159	45.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.260%			
35) Dibromofluoromethane	7.634	113	85825	49.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.040%			
50) Toluene-d8	10.103	98	355393	50.745	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.402	95	104426	50.044	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	67134	42.934	ug/l	97
3) Chloromethane	2.062	50	187281	40.542	ug/l	100
4) Vinyl Chloride	2.196	62	296607	55.348	ug/l	99
5) Bromomethane	2.586	94	219808	42.795	ug/l	95
6) Chloroethane	2.726	64	208143	56.588	ug/l	94
7) Trichlorofluoromethane	3.043	101	261037	57.379	ug/l	99
8) Diethyl Ether	3.452	74	45960	44.860	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.806	101	90977	47.481	ug/l	98
10) Methyl Iodide	4.001	142	105757	51.004	ug/l	99
11) Tert butyl alcohol	4.854	59	31805	227.964	ug/l	98
12) 1,1-Dichloroethene	3.781	96	91369	49.887	ug/l	95
13) Acrolein	3.641	56	17121	98.468	ug/l	99
14) Allyl chloride	4.379	41	126821	44.108	ug/l	97
15) Acrylonitrile	5.055	53	95190	219.381	ug/l	100
16) Acetone	3.860	43	88582	223.295	ug/l	96
17) Carbon Disulfide	4.098	76	265351	45.254	ug/l	96
18) Methyl Acetate	4.379	43	53148	45.242	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	239071	46.344	ug/l	99
20) Methylene Chloride	4.604	84	101284	44.947	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	99475	48.528	ug/l	94
22) Diisopropyl ether	6.012	45	290531	45.396	ug/l	99
23) Vinyl Acetate	5.958	43	797575	210.554	ug/l	97
24) 1,1-Dichloroethane	5.909	63	185766	49.271	ug/l	100
25) 2-Butanone	6.890	43	125095	218.612	ug/l	97
26) 2,2-Dichloropropane	6.884	77	167558	50.298	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	119480	50.429	ug/l	98
28) Bromochloromethane	7.244	49	73335	44.621	ug/l	94
29) Tetrahydrofuran	7.256	42	77840	210.910	ug/l	96
30) Chloroform	7.415	83	187597	50.234	ug/l	97
31) Cyclohexane	7.695	56	159823	42.579	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	166517	50.229	ug/l	98
36) 1,1-Dichloropropene	7.829	75	140868	50.076	ug/l	99
37) Ethyl Acetate	6.982	43	54334	43.311	ug/l	98
38) Carbon Tetrachloride	7.817	117	145468	50.408	ug/l	99
39) Methylcyclohexane	9.109	83	177444	46.938	ug/l	96
40) Benzene	8.079	78	426686	51.354	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	30257m	41.292 ug/l		
42) 1,2-Dichloroethane	8.152	62	104573	46.095 ug/l		98
43) Isopropyl Acetate	8.195	43	120039	44.305 ug/l		99
44) Trichloroethene	8.860	130	110843	54.584 ug/l		99
45) 1,2-Dichloropropane	9.140	63	98541	50.184 ug/l		98
46) Dibromomethane	9.225	93	54106	48.978 ug/l		99
47) Bromodichloromethane	9.420	83	137944	49.246 ug/l		96
48) Methyl methacrylate	9.219	41	52779	41.507 ug/l		90
49) 1,4-Dioxane	9.225	88	12179	930.584 ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	301886	223.486 ug/l		96
52) Toluene	10.170	92	266417	51.024 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	125291	47.738 ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	151585	49.616 ug/l		94
55) 1,1,2-Trichloroethane	10.567	97	67097	47.632 ug/l		95
56) Ethyl methacrylate	10.438	69	97246	47.764 ug/l		97
57) 1,3-Dichloropropane	10.713	76	120065	48.090 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	229595	248.382 ug/l		99
59) 2-Hexanone	10.756	43	202877	224.569 ug/l		96
60) Dibromochloromethane	10.908	129	86194	48.149 ug/l		99
61) 1,2-Dibromoethane	11.012	107	62168	48.421 ug/l		95
64) Tetrachloroethene	10.646	164	134865	63.928 ug/l		96
65) Chlorobenzene	11.438	112	282144	51.989 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	93342	51.056 ug/l		99
67) Ethyl Benzene	11.518	91	517369	51.398 ug/l		100
68) m/p-Xylenes	11.627	106	398753	104.498 ug/l		98
69) o-Xylene	11.950	106	189238	52.894 ug/l		97
70) Styrene	11.963	104	310024	52.424 ug/l		98
71) Bromoform	12.127	173	47022	48.333 ug/l	#	100
73) Isopropylbenzene	12.249	105	487911	50.210 ug/l		99
74) N-amyl acetate	12.066	43	108716	44.340 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	61263	38.413 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	60266m	44.507 ug/l		
77) Bromobenzene	12.530	156	102552	50.011 ug/l		94
78) n-propylbenzene	12.591	91	591928	49.873 ug/l		98
79) 2-Chlorotoluene	12.676	91	309843	49.256 ug/l		98
80) 1,3,5-Trimethylbenzene	12.731	105	381869	50.055 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.298	75	23152	41.290 ug/l		98
82) 4-Chlorotoluene	12.773	91	314019	48.391 ug/l		97
83) tert-Butylbenzene	12.993	119	351878	51.390 ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	379800	49.775 ug/l		99
85) sec-Butylbenzene	13.170	105	527233	50.277 ug/l		99
86) p-Isopropyltoluene	13.286	119	441582	51.086 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	210101	50.570 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	197667	49.053 ug/l		99
89) n-Butylbenzene	13.615	91	414934	50.596 ug/l		99
90) Hexachloroethane	13.877	117	85386	50.740 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	174803	49.555 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10482	45.142 ug/l		94
93) 1,2,4-Trichlorobenzene	14.913	180	98333	51.112 ug/l		97
94) Hexachlorobutadiene	15.017	225	53797	50.664 ug/l		96
95) Naphthalene	15.139	128	214460	58.089 ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	79920	48.472 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

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\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
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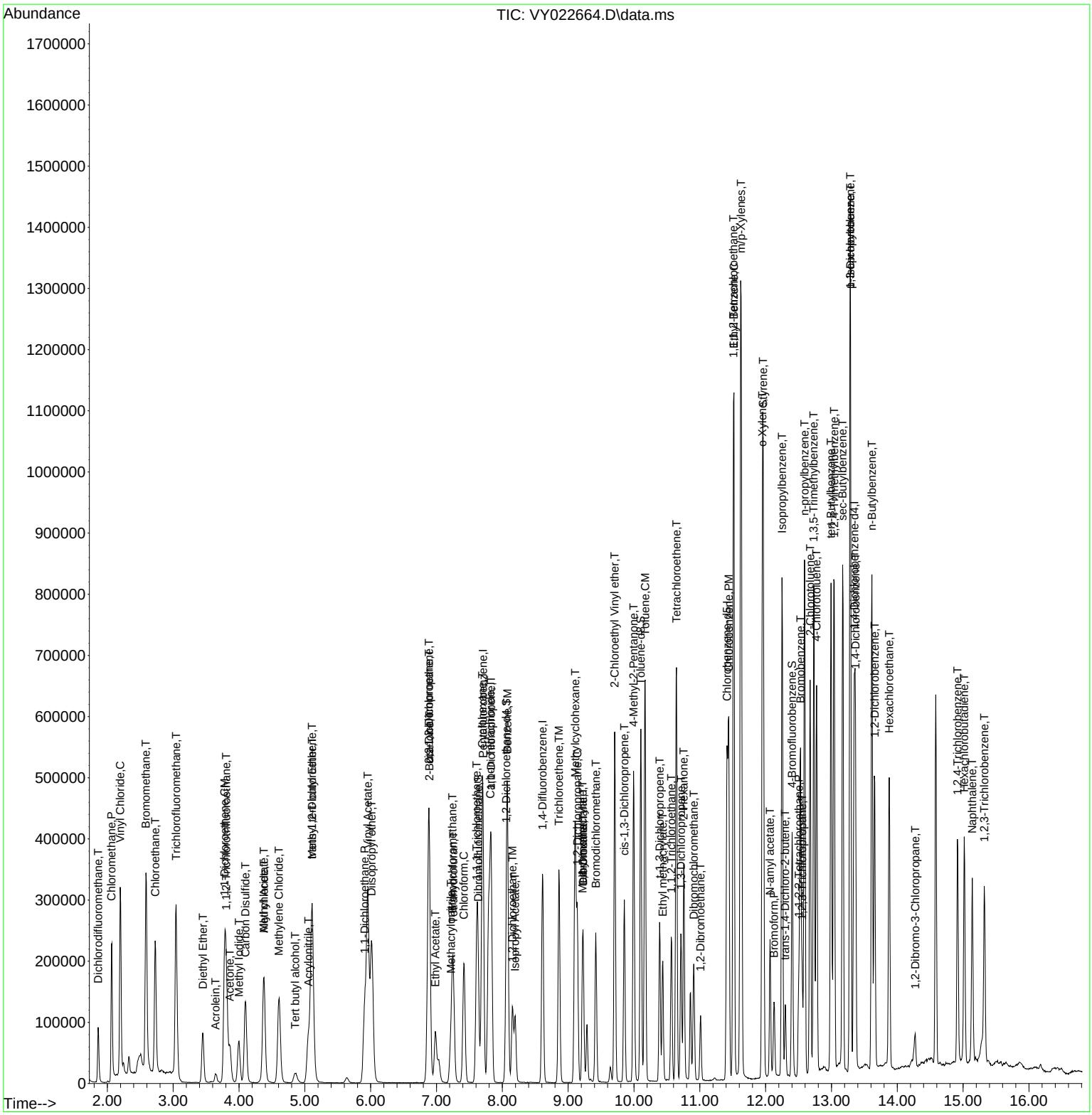
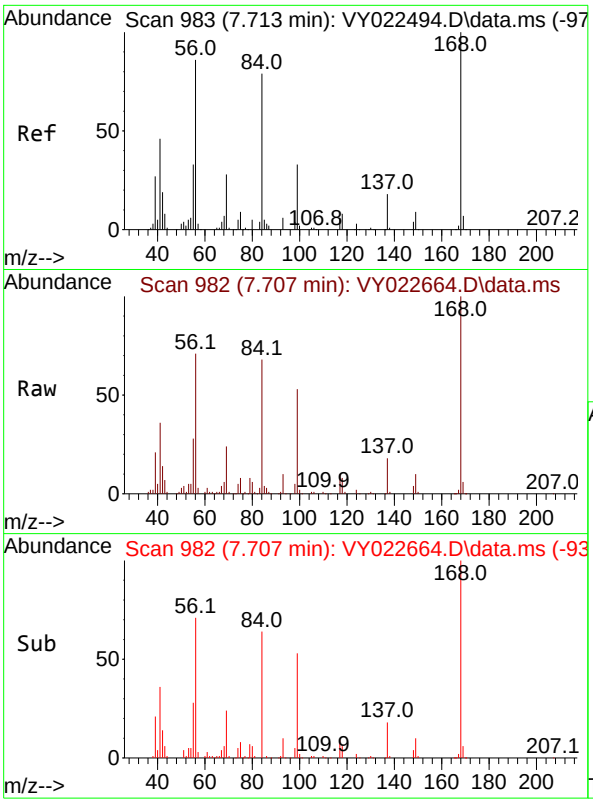
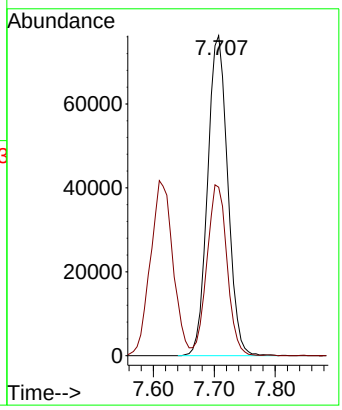




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:168 Resp: 17465

Ion	Ratio	Lower	Upper
168	100		
99	52.7	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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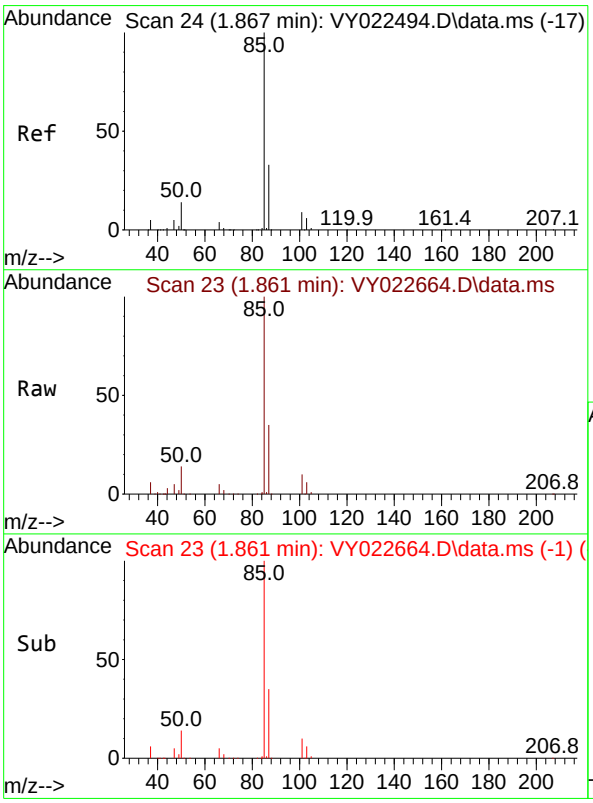
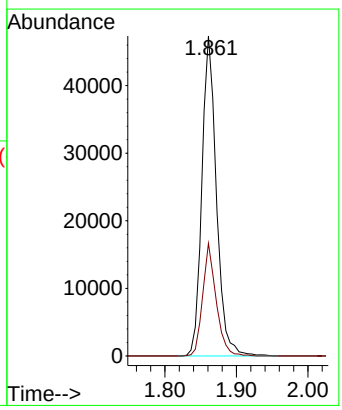
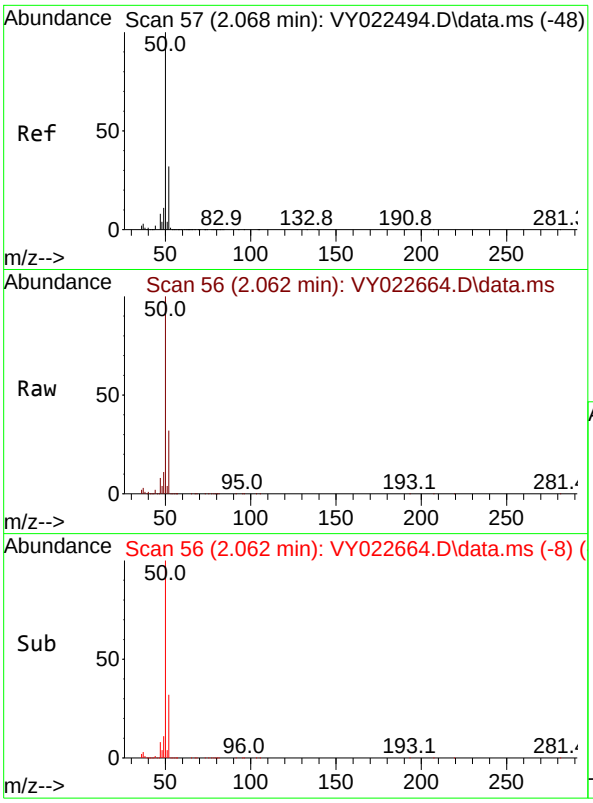


#2
Dichlorodifluoromethane
Concen: 42.934 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 85 Resp: 67134

Ion	Ratio	Lower	Upper
85	100		
87	35.2	16.7	50.0

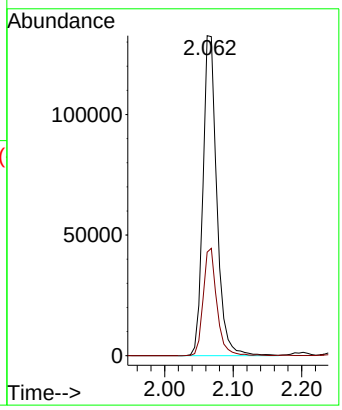




#3
Chloromethane
Concen: 40.542 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 50 Resp: 18728

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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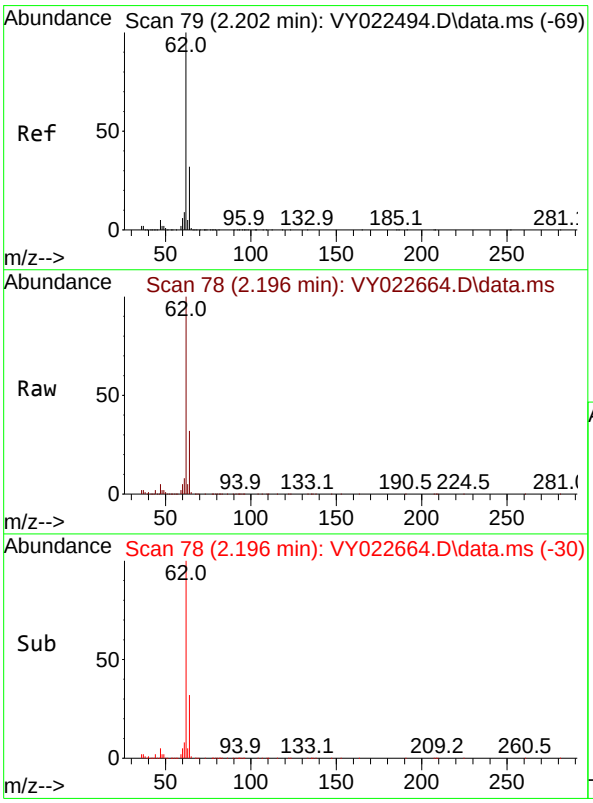
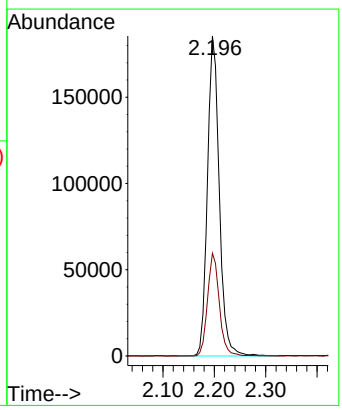
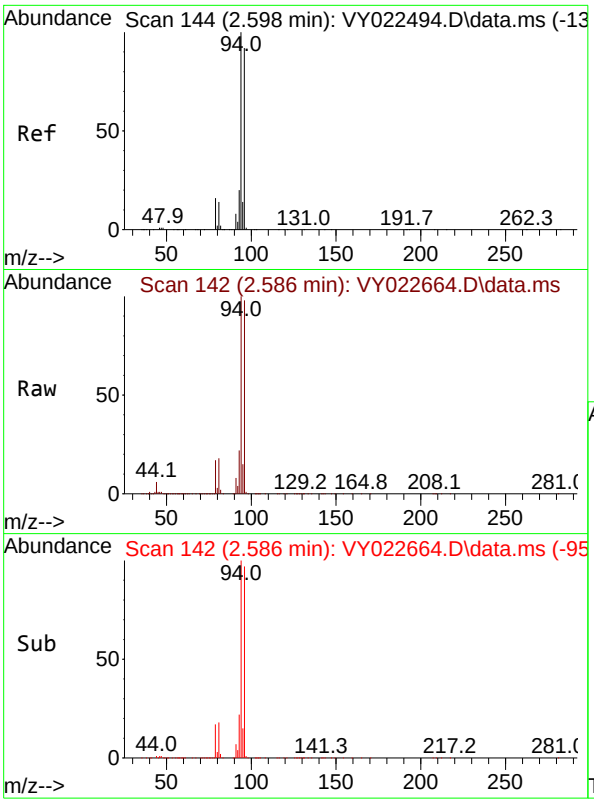


#4
Vinyl Chloride
Concen: 55.348 ug/l
RT: 2.196 min Scan# 78
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 62 Resp: 296607

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.3	37.9

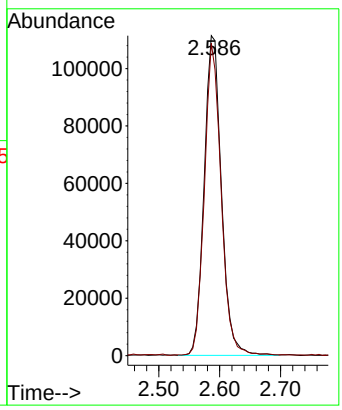




#5
Bromomethane
Concen: 42.795 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 94 Resp: 21980

Ion	Ratio	Lower	Upper
94	100		
96	97.4	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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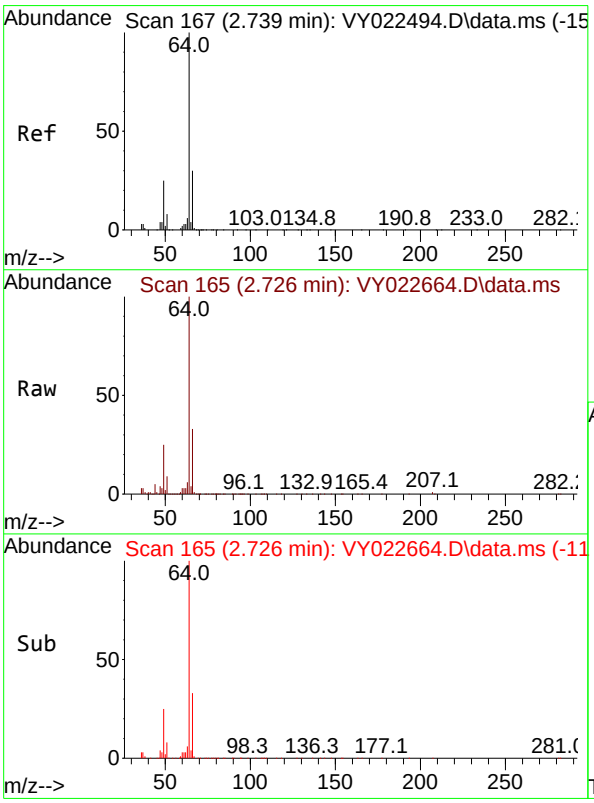
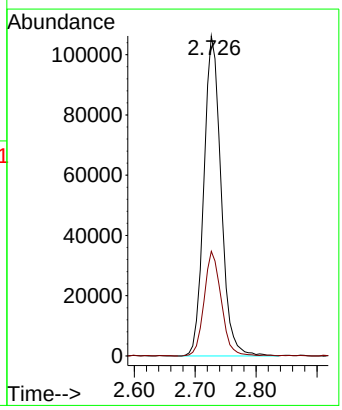
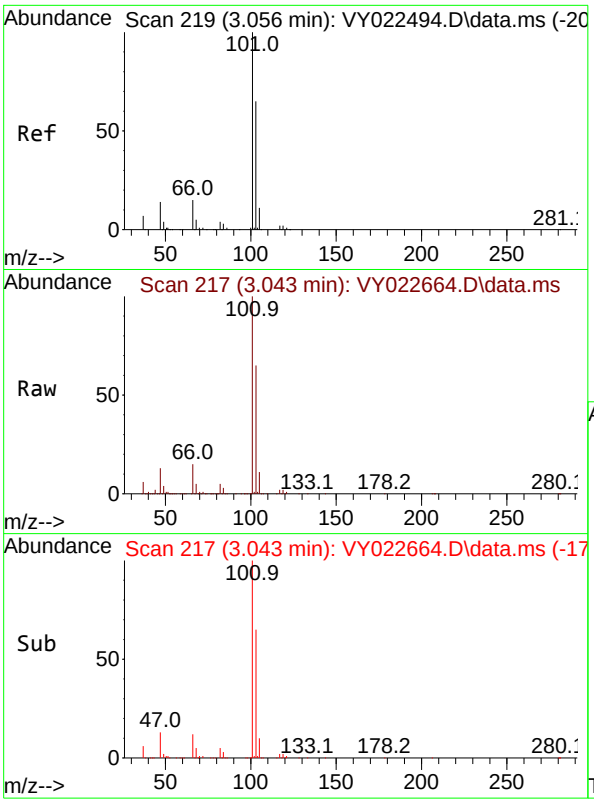


#6
Chloroethane
Concen: 56.588 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 64 Resp: 208143

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.8	35.6

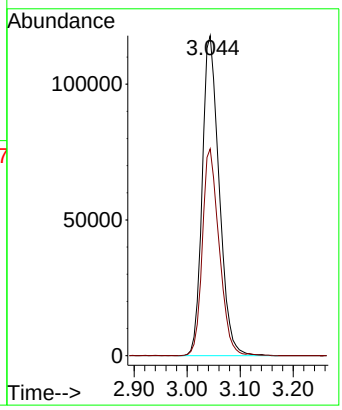




#7
Trichlorofluoromethane
Concen: 57.379 ug/l
RT: 3.043 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:101 Resp: 26103

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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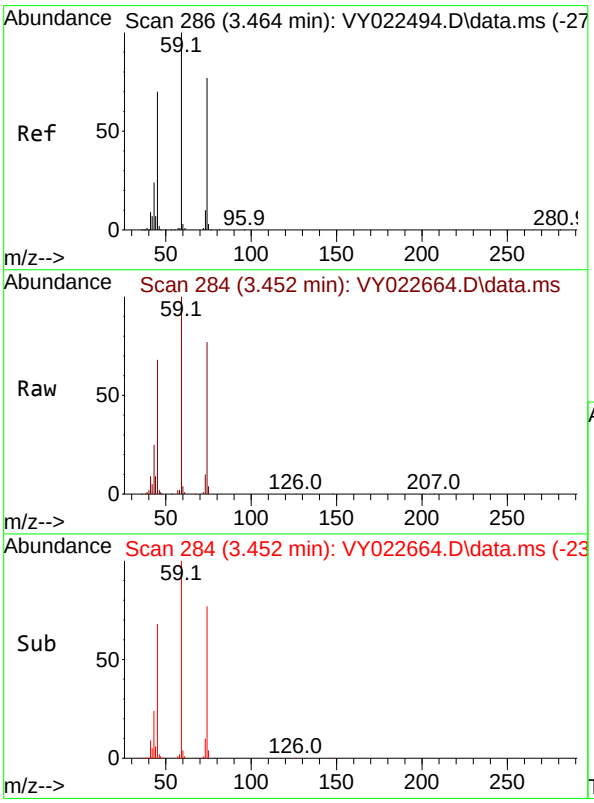
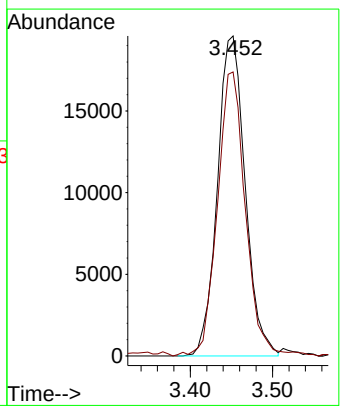
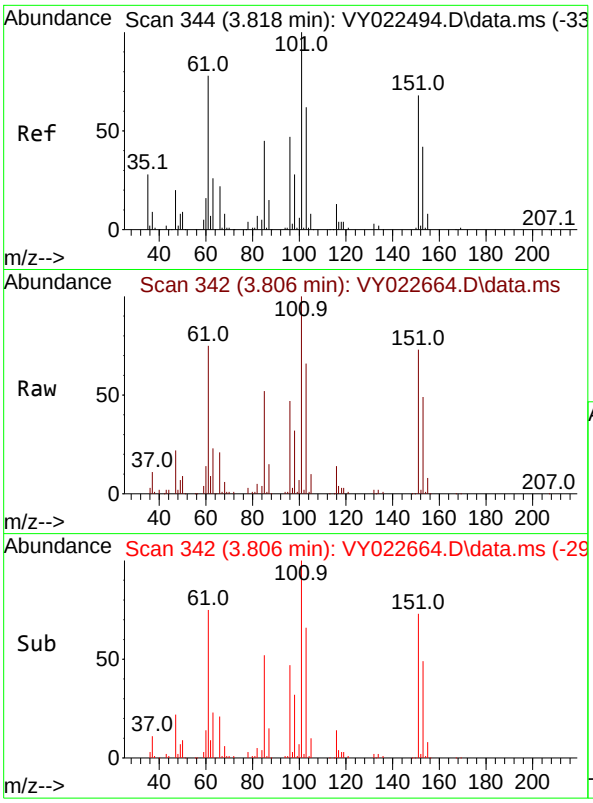


#8
Diethyl Ether
Concen: 44.860 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 74 Resp: 45960

Ion	Ratio	Lower	Upper
74	100		
45	89.6	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.481 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:101 Resp: 9097

Ion	Ratio	Lower	Upper
101	100		
85	47.9	39.3	58.9
151	74.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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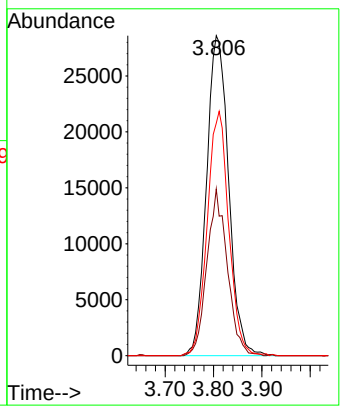
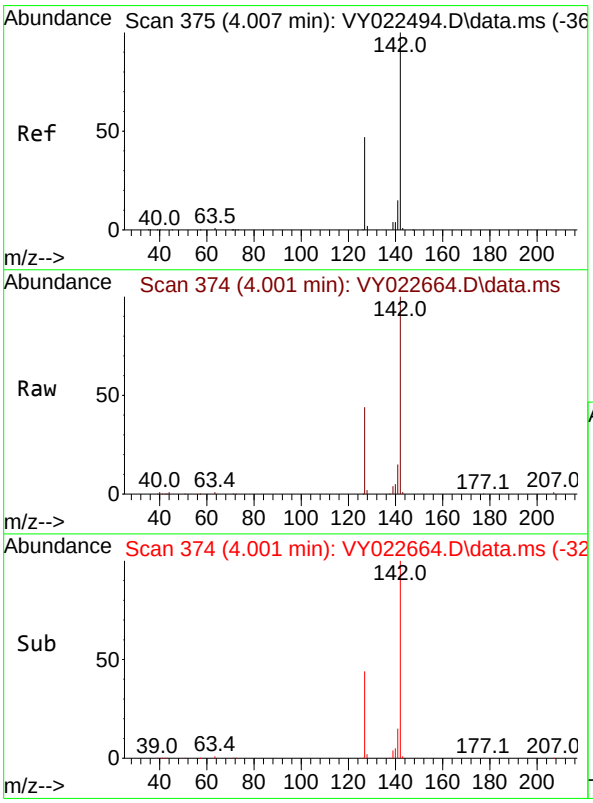
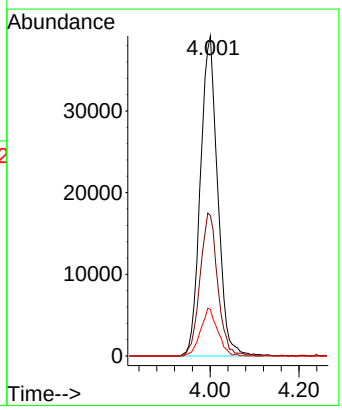


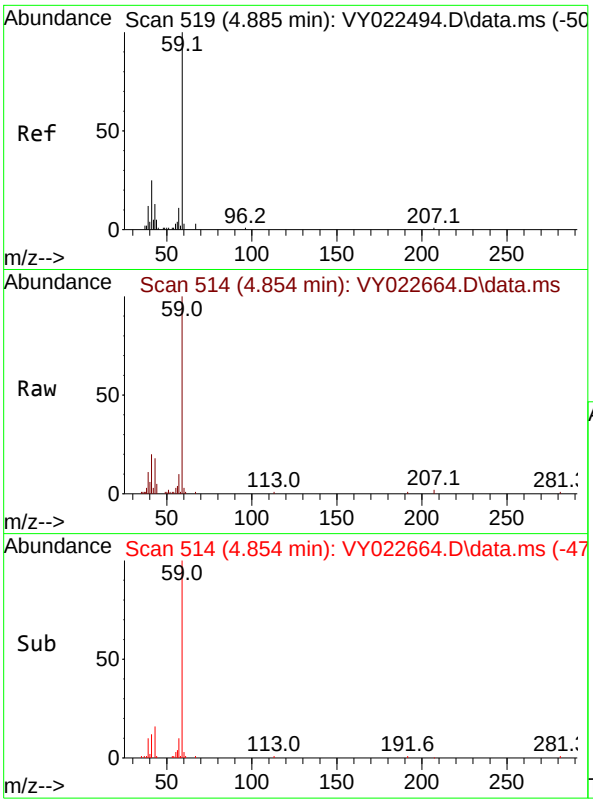


#10
Methyl Iodide
Concen: 51.004 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:142 Resp: 105757

Ion	Ratio	Lower	Upper
142	100		
127	45.7	37.1	55.7
141	14.8	11.4	17.2

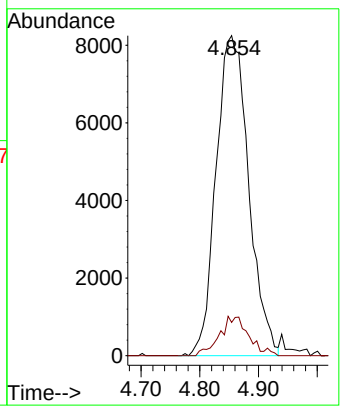




#11
Tert butyl alcohol
Concen: 227.964 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.031 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 59 Resp: 3180

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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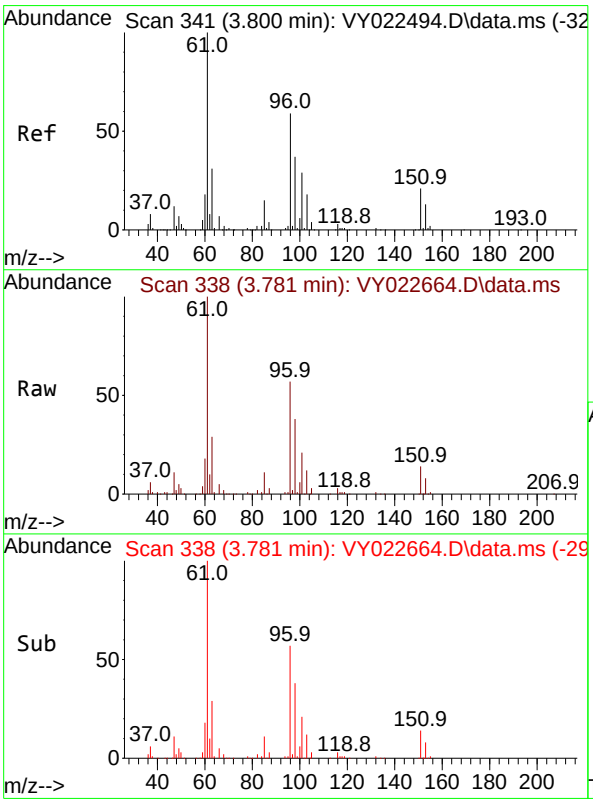
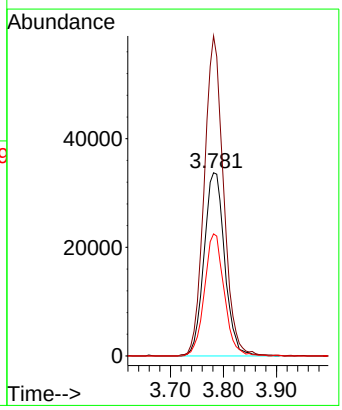
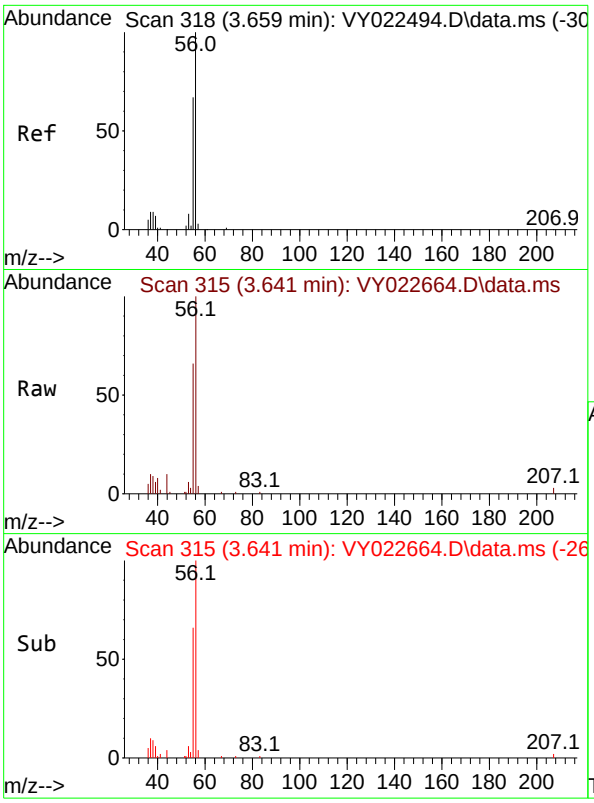


#12
1,1-Dichloroethene
Concen: 49.887 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 96 Resp: 91369

Ion	Ratio	Lower	Upper
96	100		
61	174.7	134.6	201.8
98	66.7	50.2	75.4

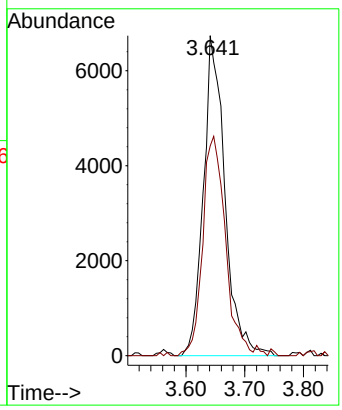




#13
Acrolein
Concen: 98.468 ug/l
RT: 3.641 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 56 Resp: 1712

Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
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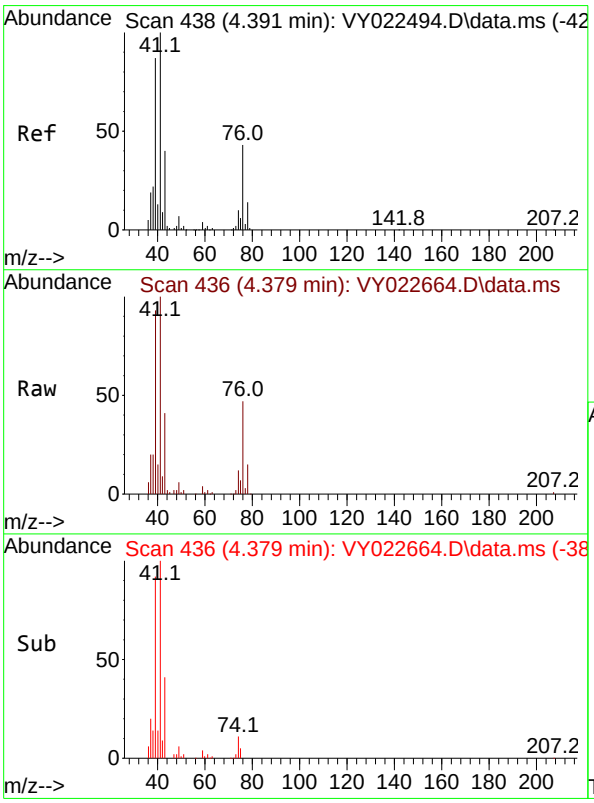
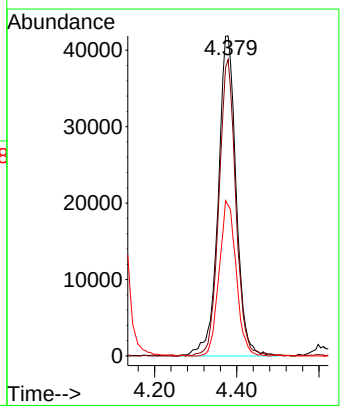
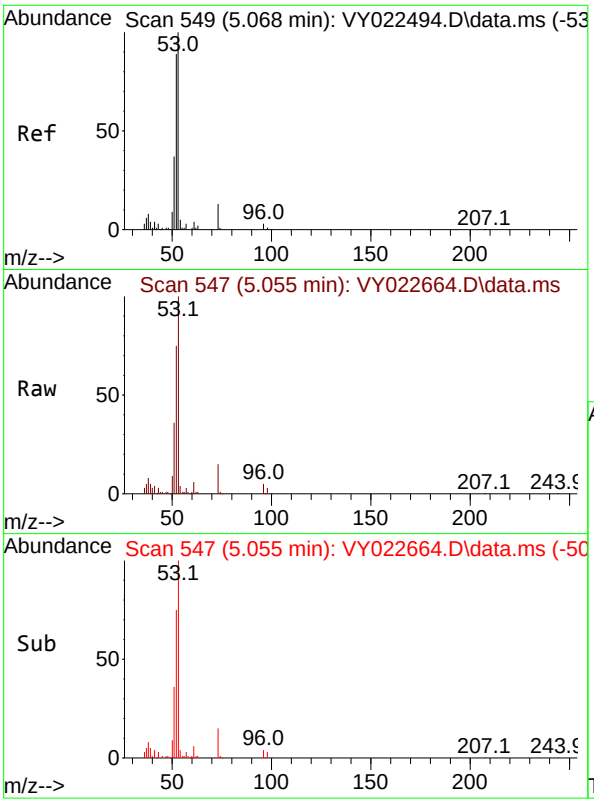


#14
Allyl chloride
Concen: 44.108 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 41 Resp: 126821

Ion	Ratio	Lower	Upper
41	100		
39	87.4	69.1	103.7
76	46.0	33.5	50.3





#15
Acrylonitrile
Concen: 219.381 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 53 Resp: 9519

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	37.0	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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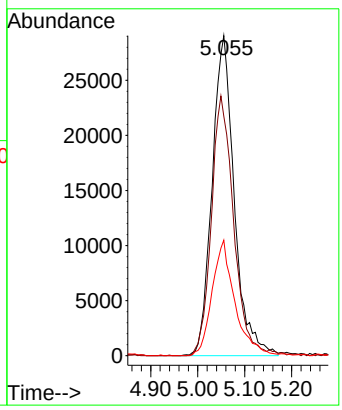
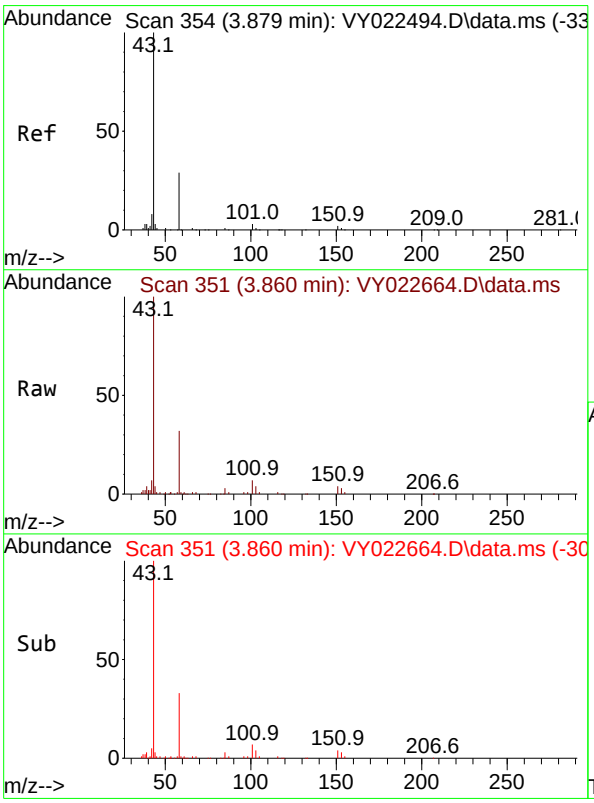
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

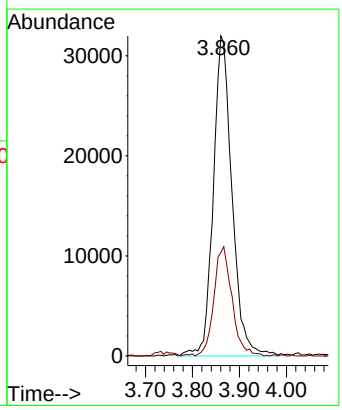


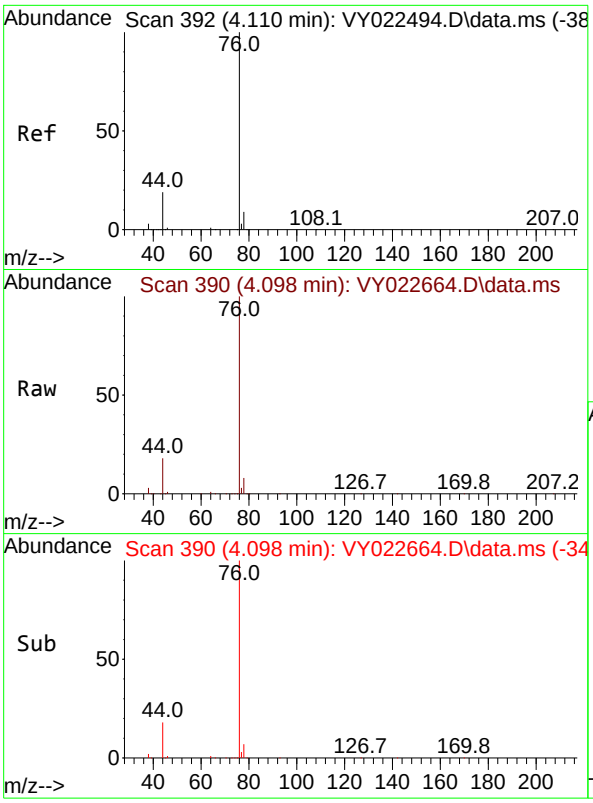


#16
Acetone
Concen: 223.295 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 88582

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.0	36.0





#17
Carbon Disulfide
Concen: 45.254 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 76 Resp: 26535

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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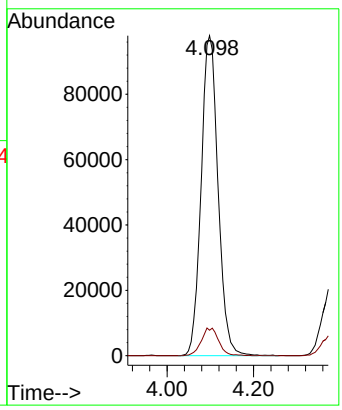
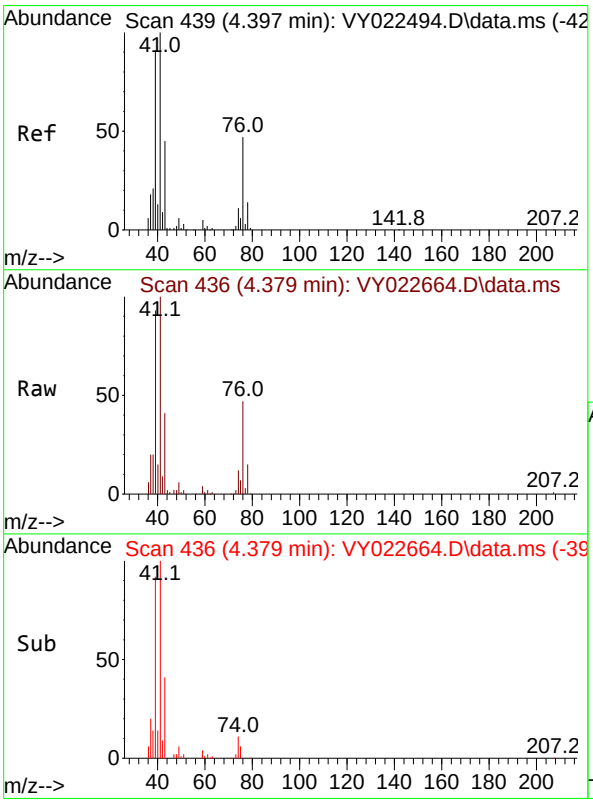
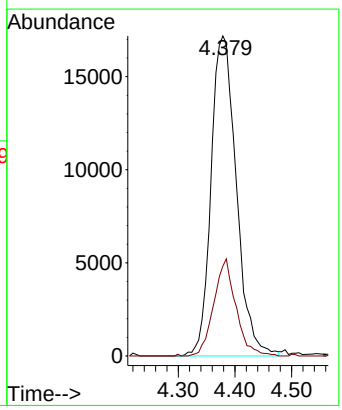


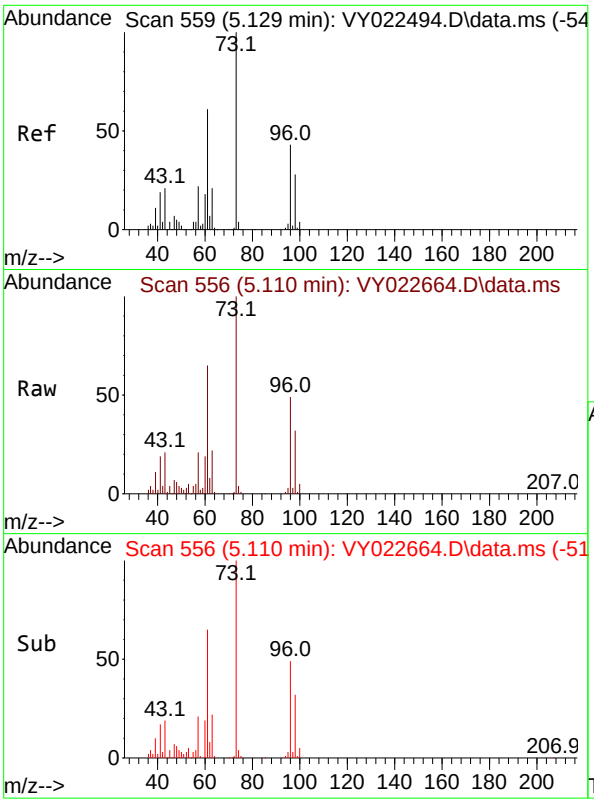


#18
Methyl Acetate
Concen: 45.242 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 53148

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.8	29.6

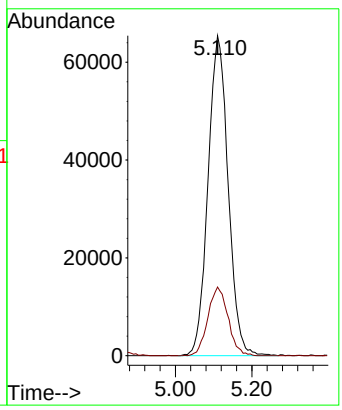




#19
Methyl tert-butyl Ether
Concen: 46.344 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 73 Resp: 23907

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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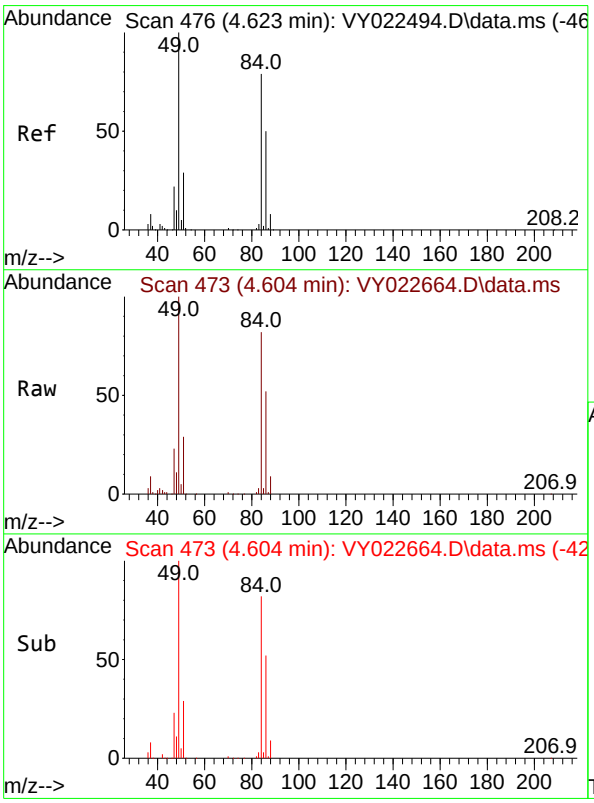
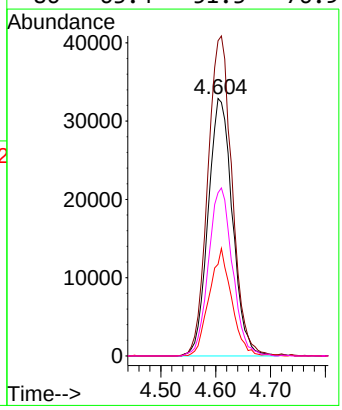
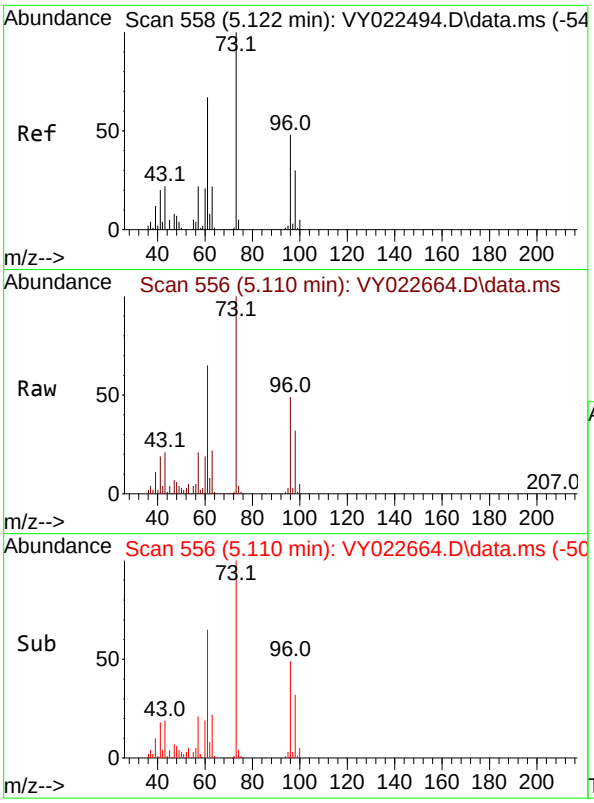


#20
Methylene Chloride
Concen: 44.947 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 84 Resp: 101284

Ion	Ratio	Lower	Upper
84	100		
49	122.4	101.9	152.9
51	35.4	29.8	44.8
86	63.4	51.3	76.9

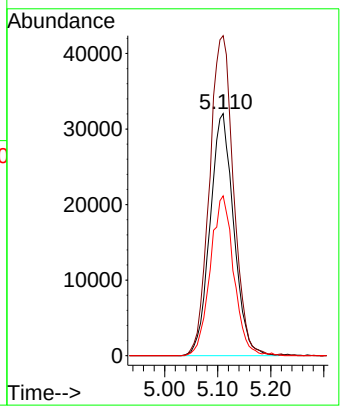




#21
trans-1,2-Dichloroethene
Concen: 48.528 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 96 Resp: 9947

Ion	Ratio	Lower	Upper
96	100		
61	132.2	112.6	169.0
98	66.0	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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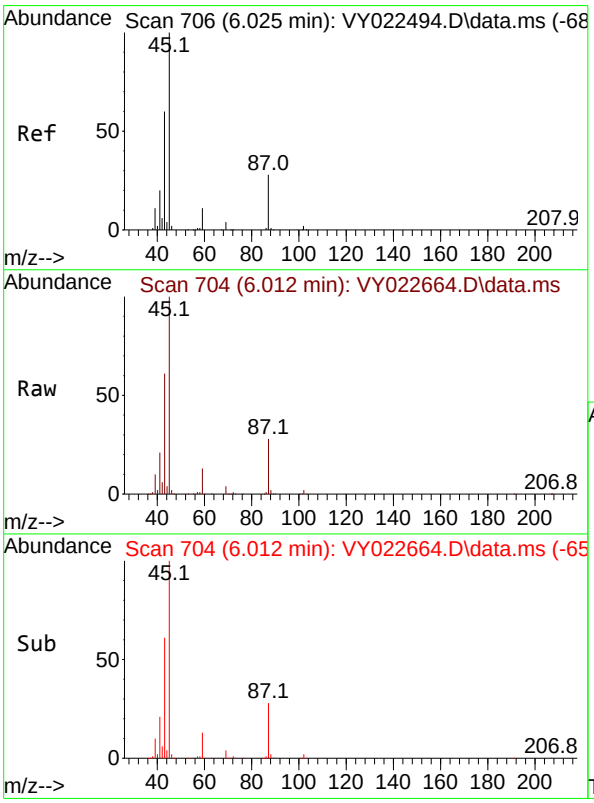
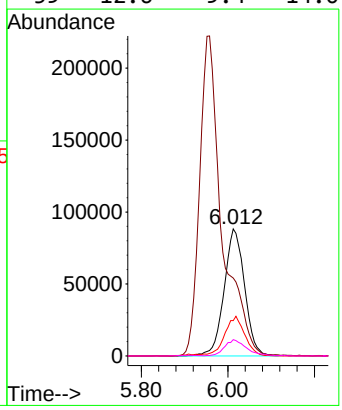
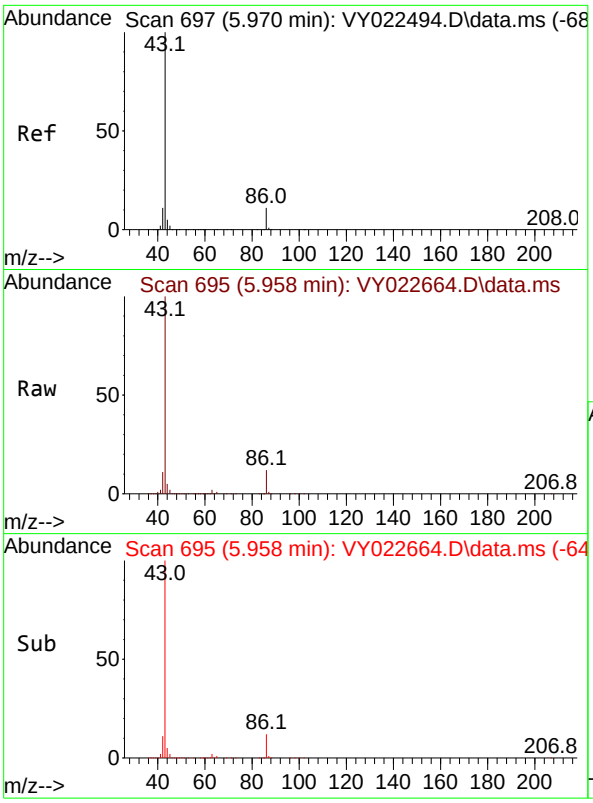


#22
Diisopropyl ether
Concen: 45.396 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 45 Resp: 290531

Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.3	72.5
87	27.8	23.0	34.6
59	12.6	9.4	14.0

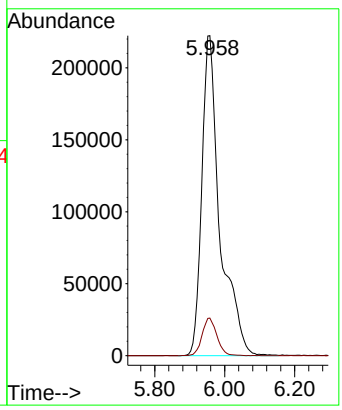




#23
Vinyl Acetate
Concen: 210.554 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 79757

Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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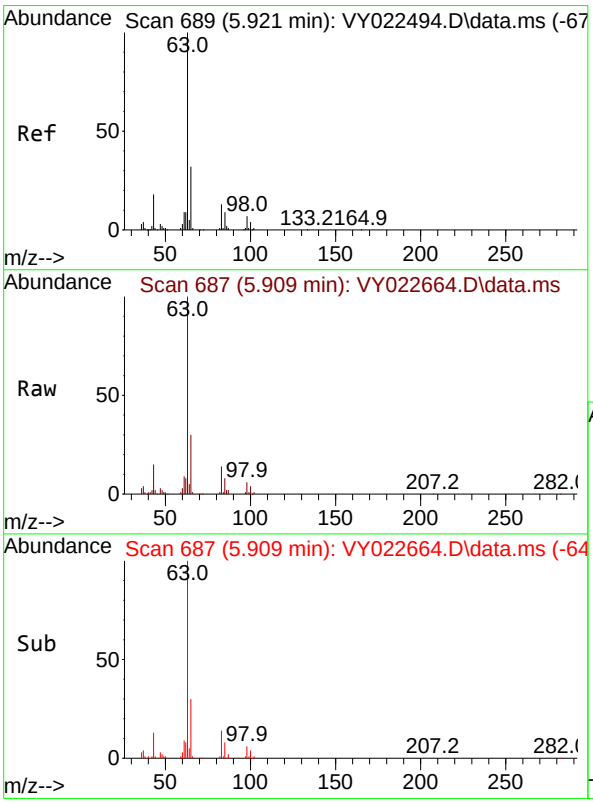
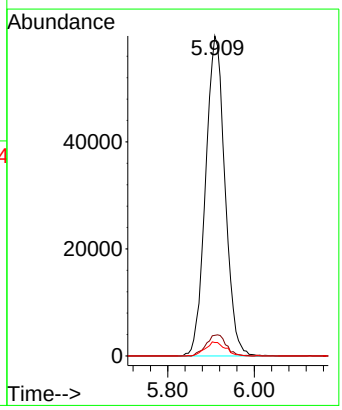
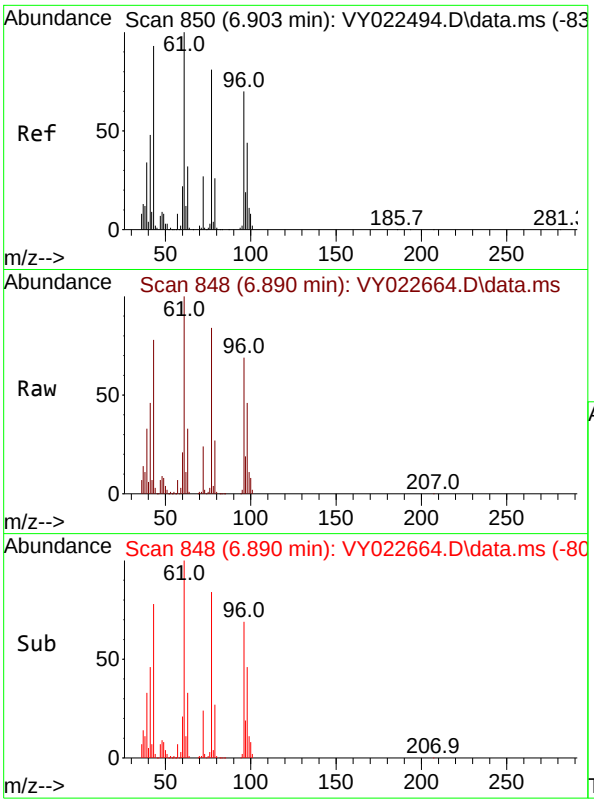


#24
1,1-Dichloroethane
Concen: 49.271 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 63 Resp: 185766

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 218.612 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 12509

Ion	Ratio	Lower	Upper
43	100		
72	30.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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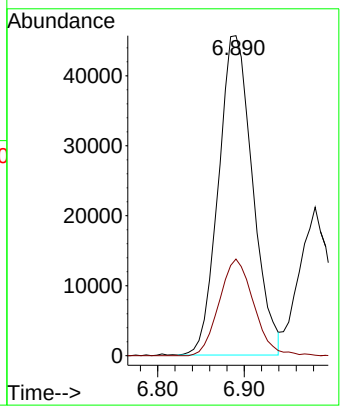
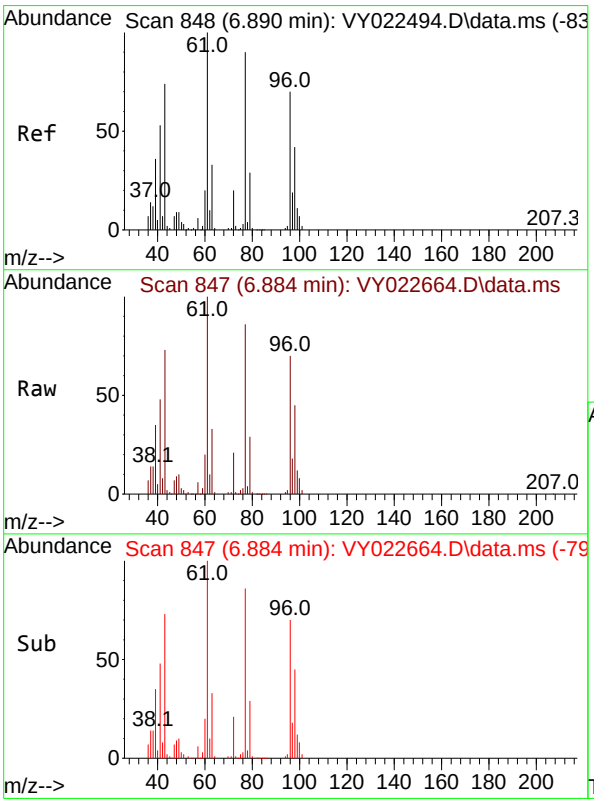
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

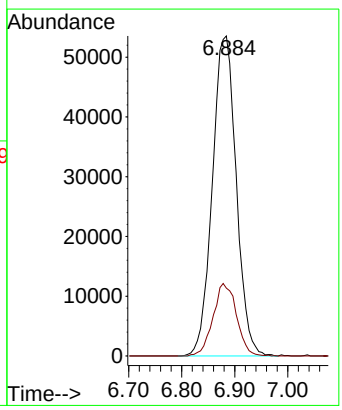


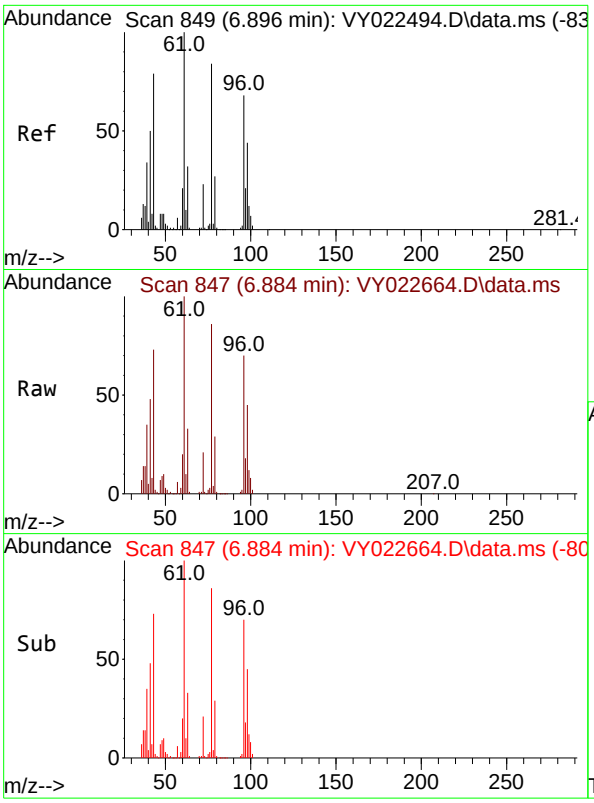


#26
2,2-Dichloropropane
Concen: 50.298 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 77 Resp: 167558

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 50.429 ug/l
RT: 6.884 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 96 Resp: 11948

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	290.0
98	63.8	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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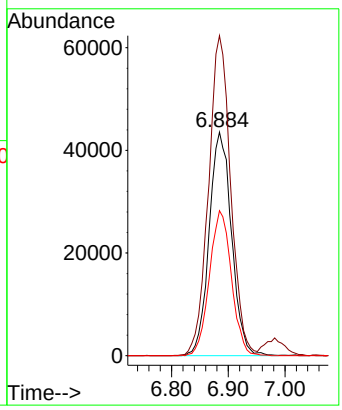
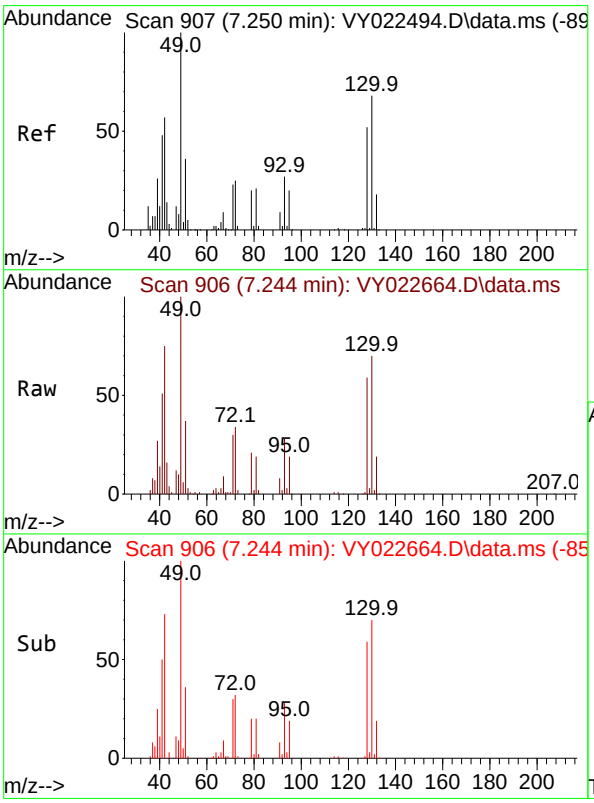
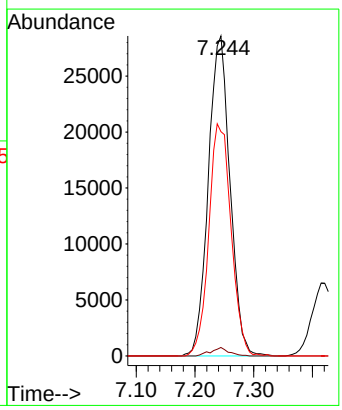


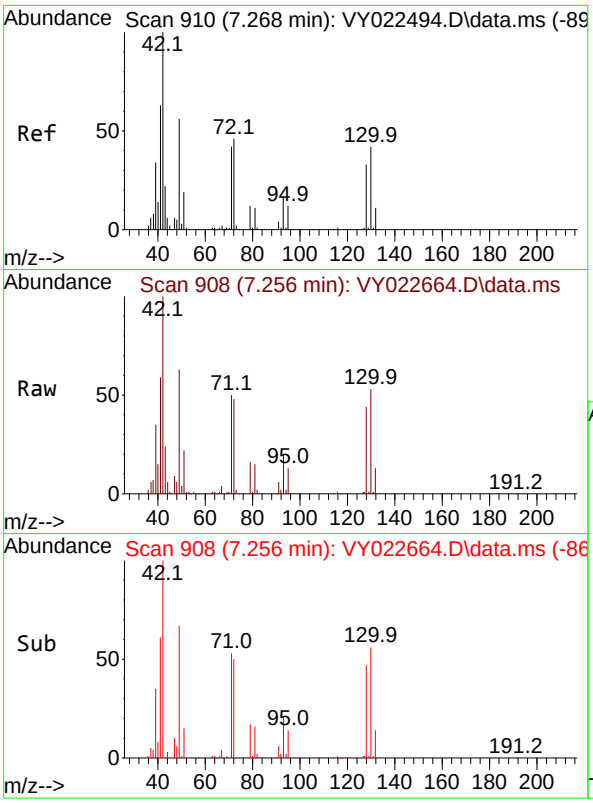


#28
Bromochloromethane
Concen: 44.621 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 49 Resp: 73335

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	74.4	55.7	83.5

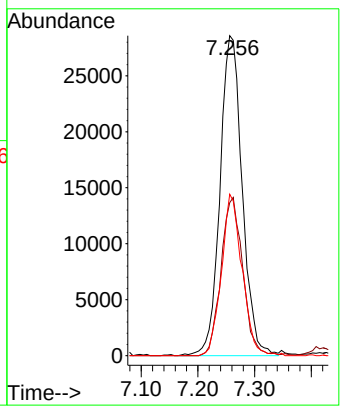




#29
Tetrahydrofuran
Concen: 210.910 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 42 Resp: 7784

Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.4	56.2
71	47.0	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
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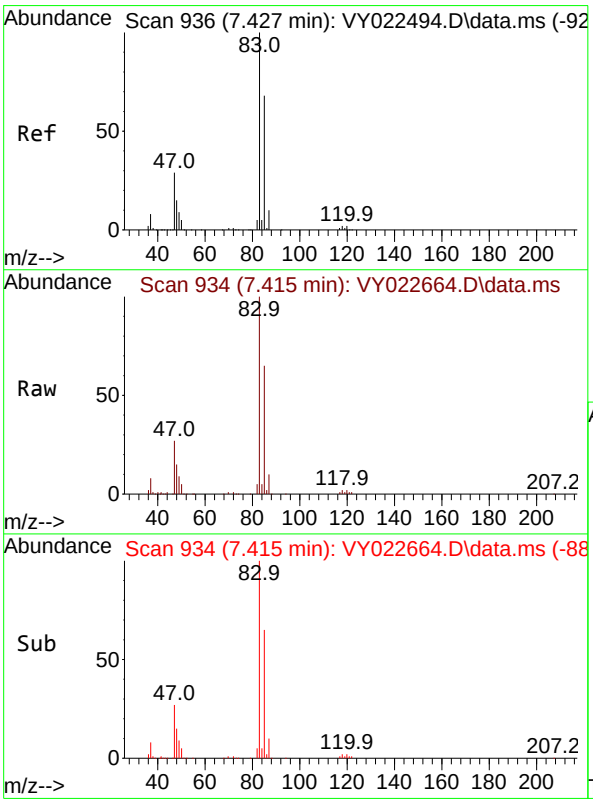
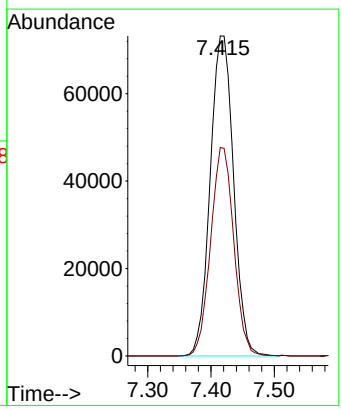
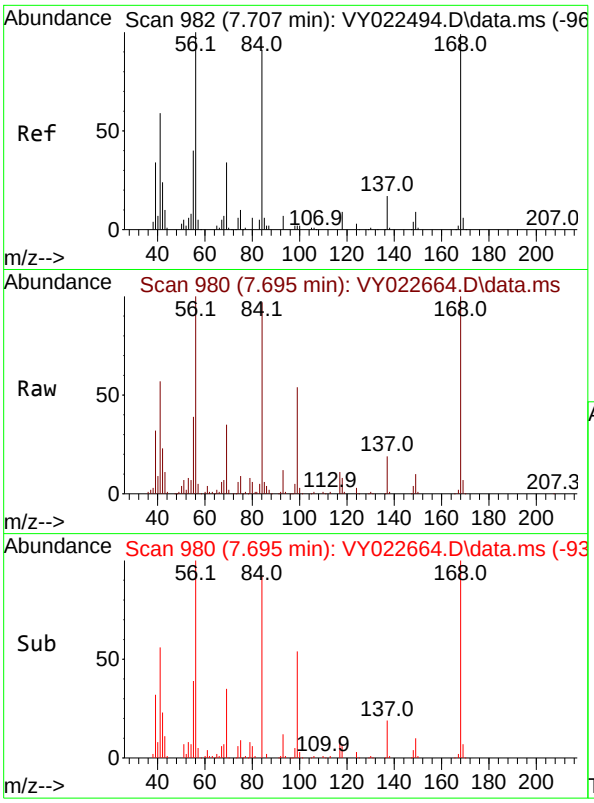


#30
Chloroform
Concen: 50.234 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 83 Resp: 187597

Ion	Ratio	Lower	Upper
83	100		
85	65.2	54.2	81.4

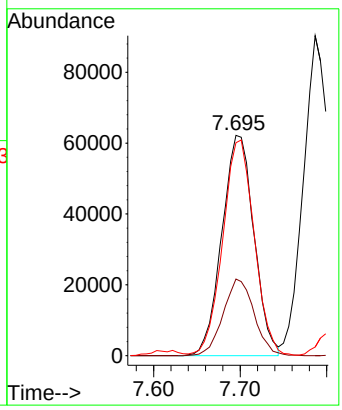




#31
Cyclohexane
Concen: 42.579 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 56 Resp: 15982

Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.0	40.6
84	95.2	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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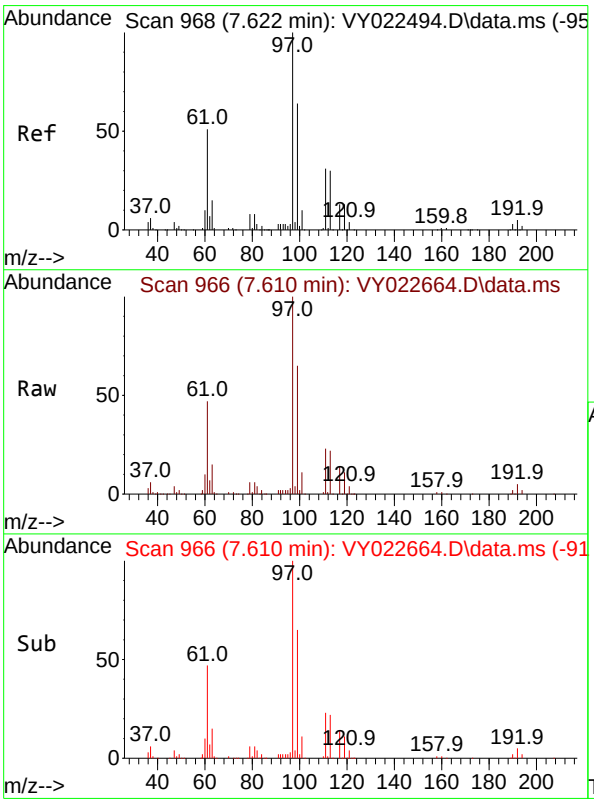
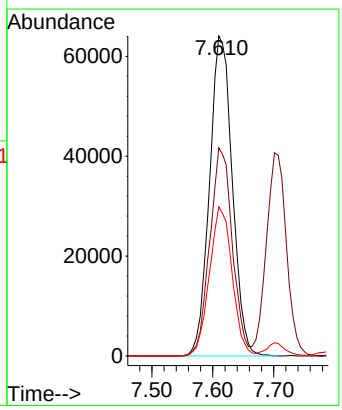
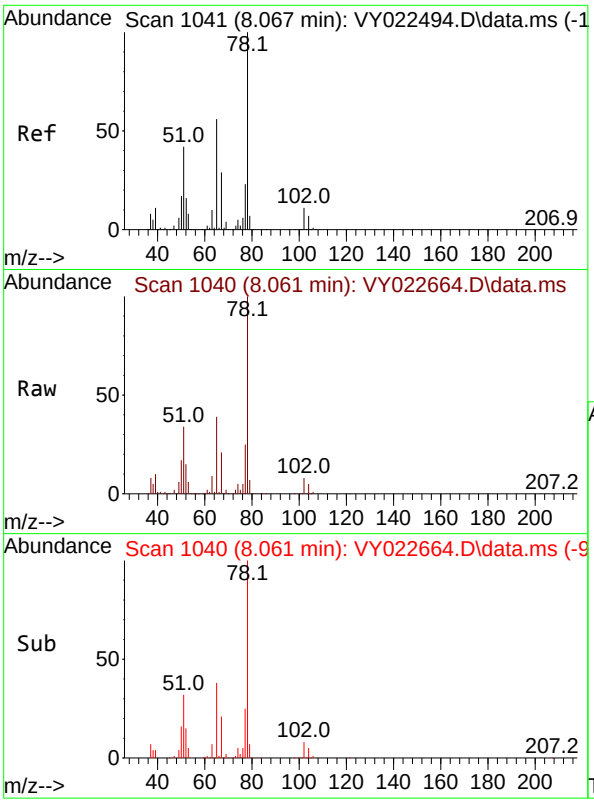


#32
1,1,1-Trichloroethane
Concen: 50.229 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 97 Resp: 166517

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	46.4	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 45.131 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 65 Resp: 8815

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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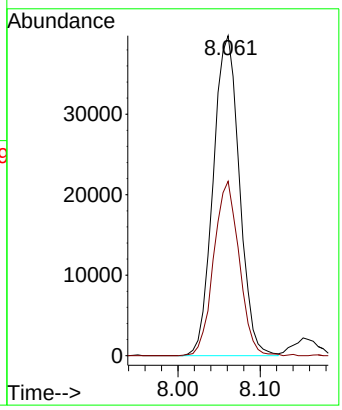
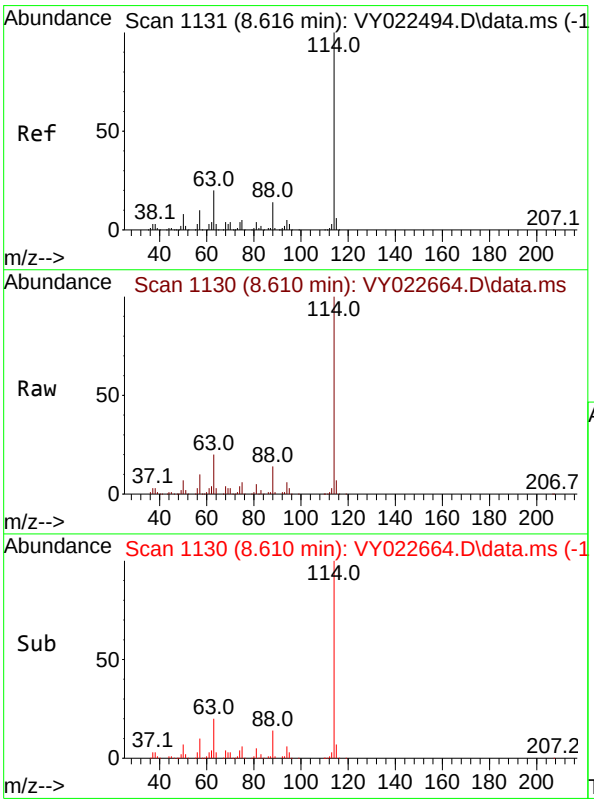
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

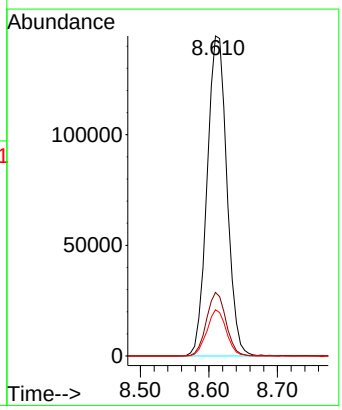


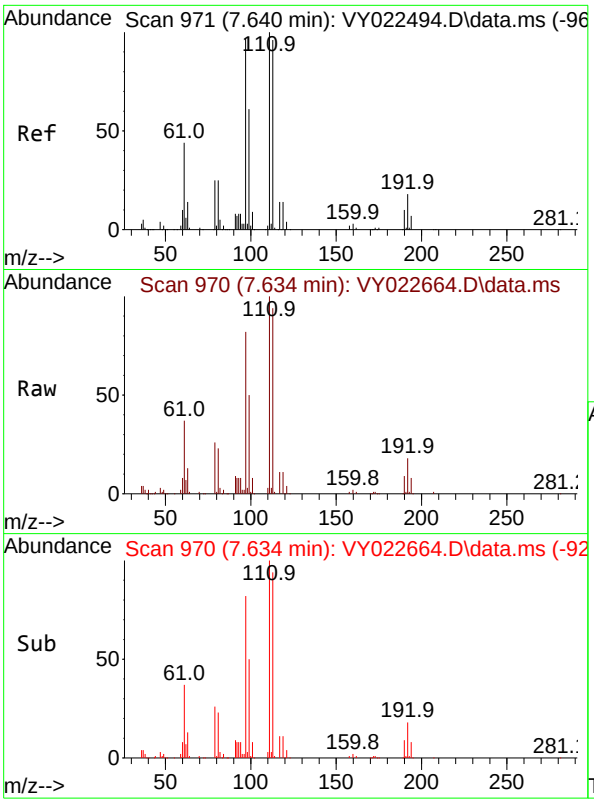


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:114 Resp: 290386

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	14.4	0.0	27.8

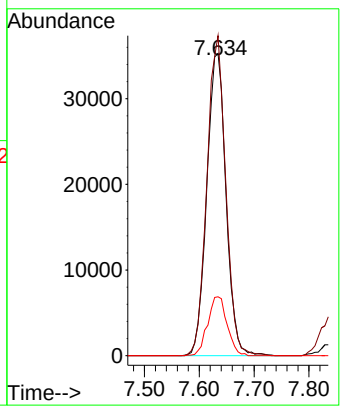




#35
Dibromofluoromethane
Concen: 49.517 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:113 Resp: 8582

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	19.7	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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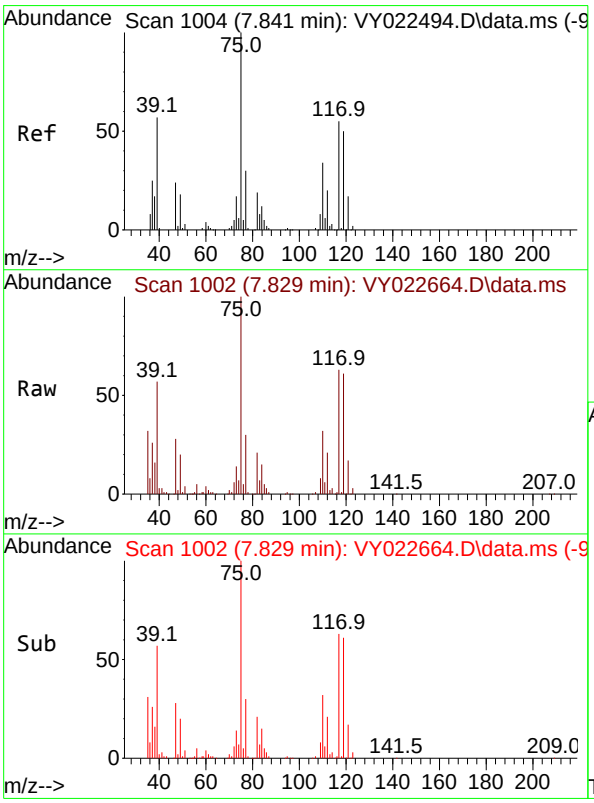
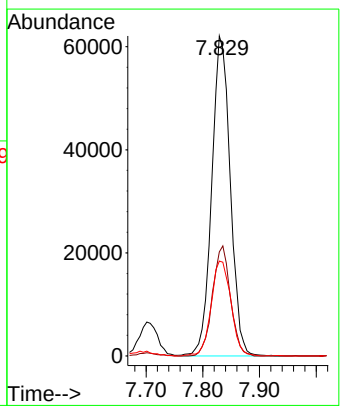
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

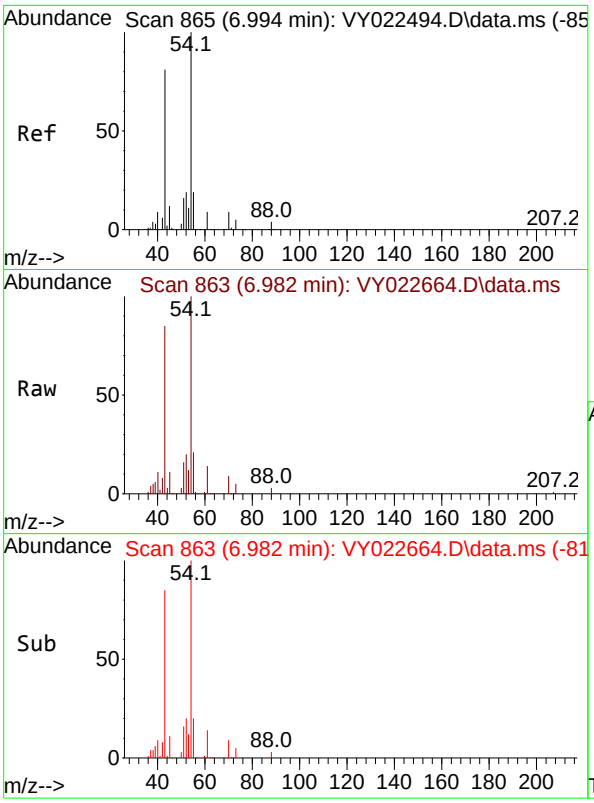


#36
1,1-Dichloropropene
Concen: 50.076 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 140868

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.7	24.8	37.2





#37
Ethyl Acetate
Concen: 43.311 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 5433

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	10.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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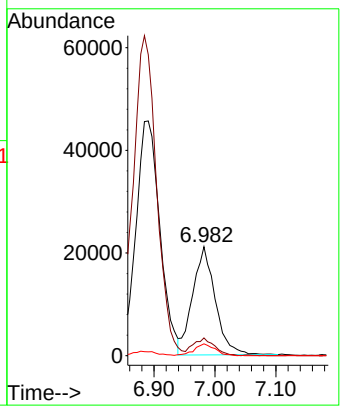
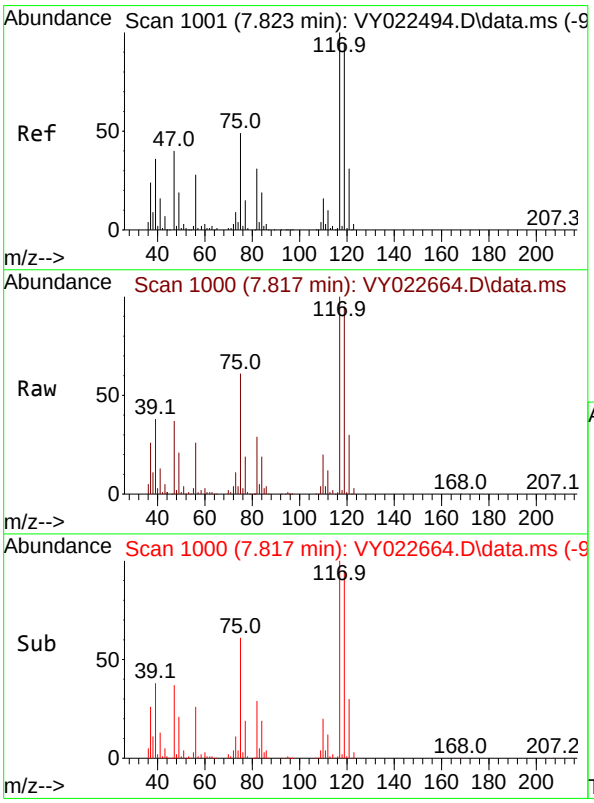
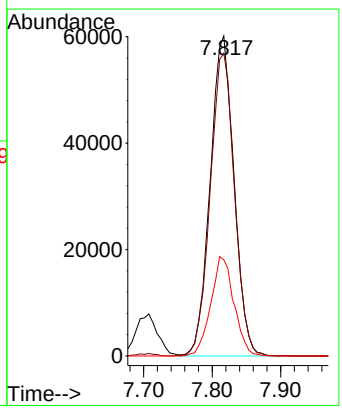


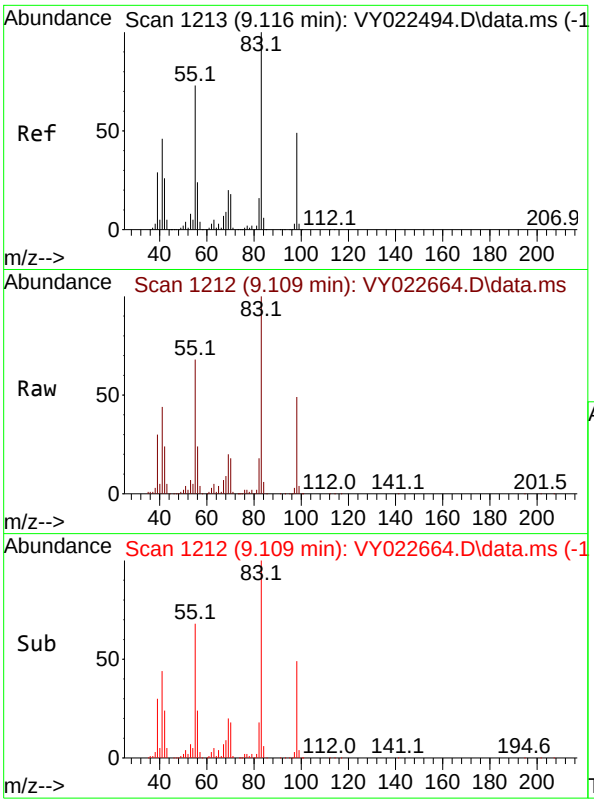


#38
Carbon Tetrachloride
Concen: 50.408 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:117 Resp: 145468

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.0	112.6
121	30.0	25.0	37.4





#39
Methylcyclohexane
Concen: 46.938 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 83 Resp: 17744

Ion	Ratio	Lower	Upper
83	100		
55	67.6	58.1	87.1
98	48.5	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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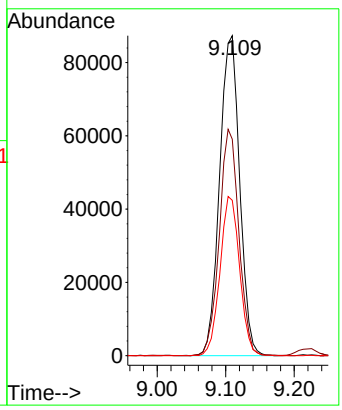
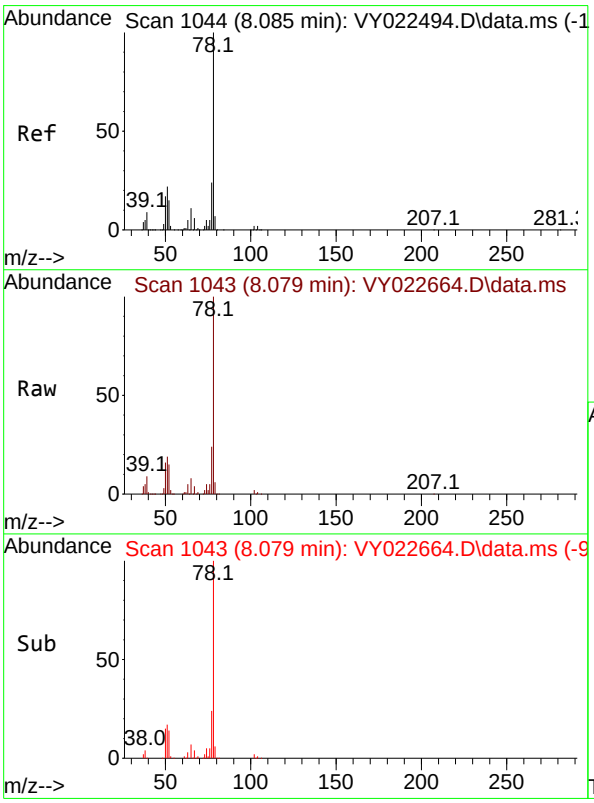
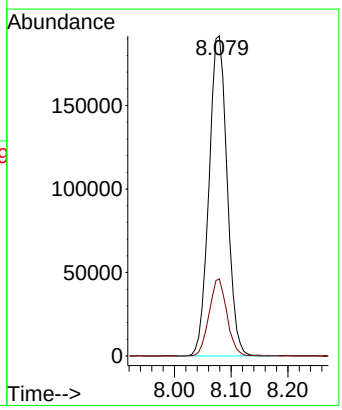


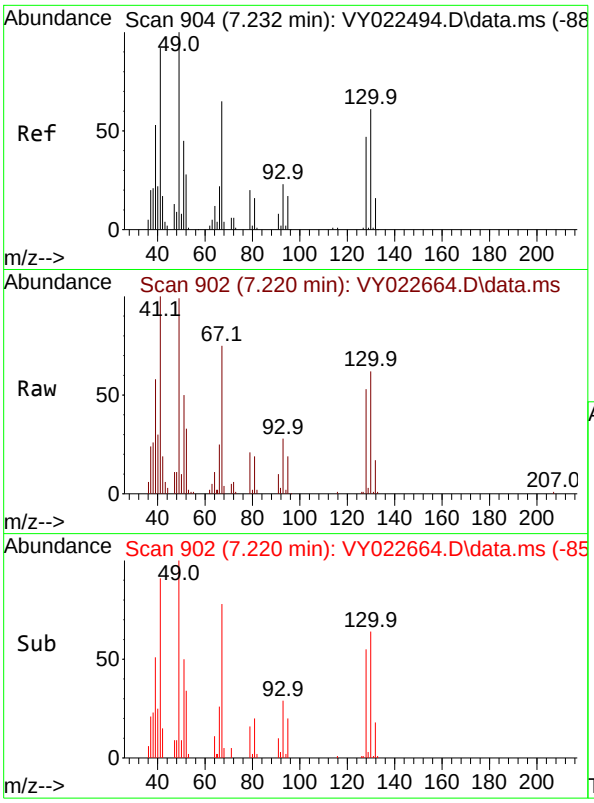


#40
Benzene
Concen: 51.354 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 78 Resp: 426686

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

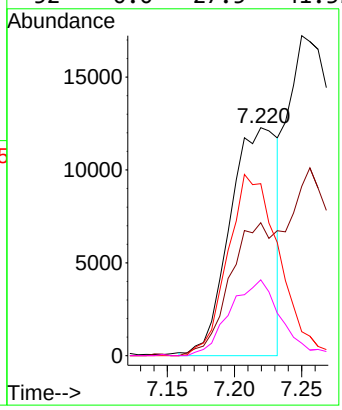




#41
Methacrylonitrile
Concen: 41.292 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 41 Resp: 3025

Ion	Ratio	Lower	Upper
41	100		
39	70.9	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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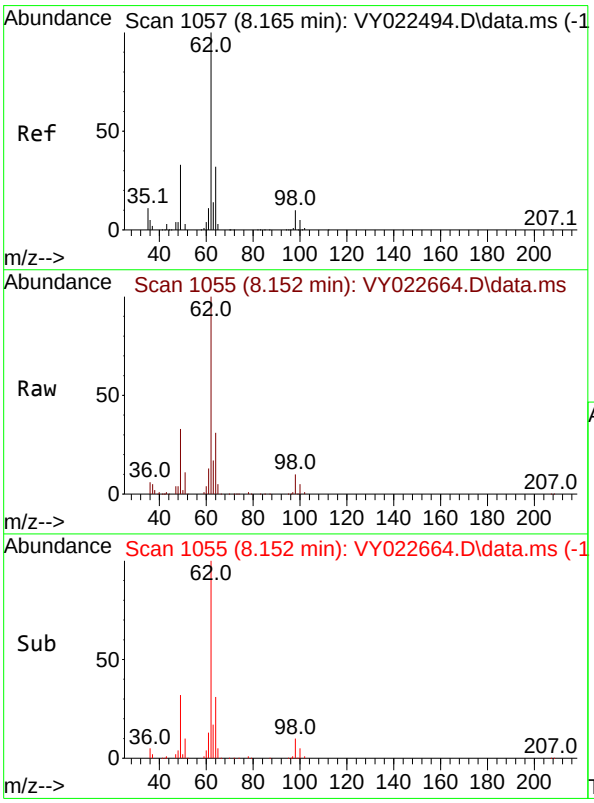
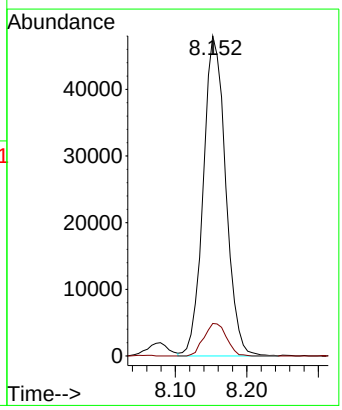
Supervised By :Semsettin Yesilyurt 06/12/2025

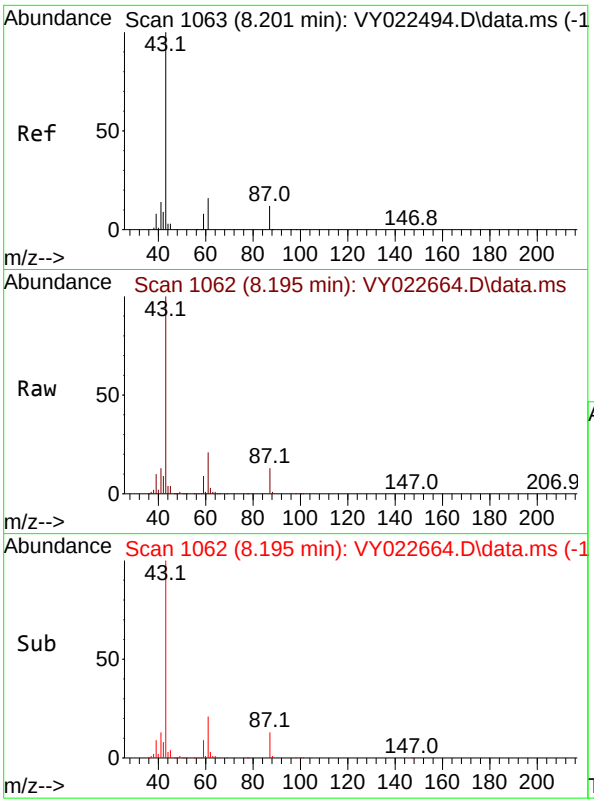


#42
1,2-Dichloroethane
Concen: 46.095 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 62 Resp: 104573

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.2





#43
Isopropyl Acetate
Concen: 44.305 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 12003

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.4	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 06/12/2025
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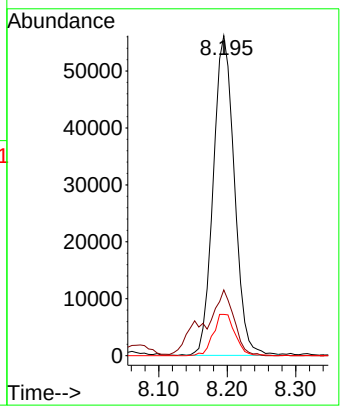
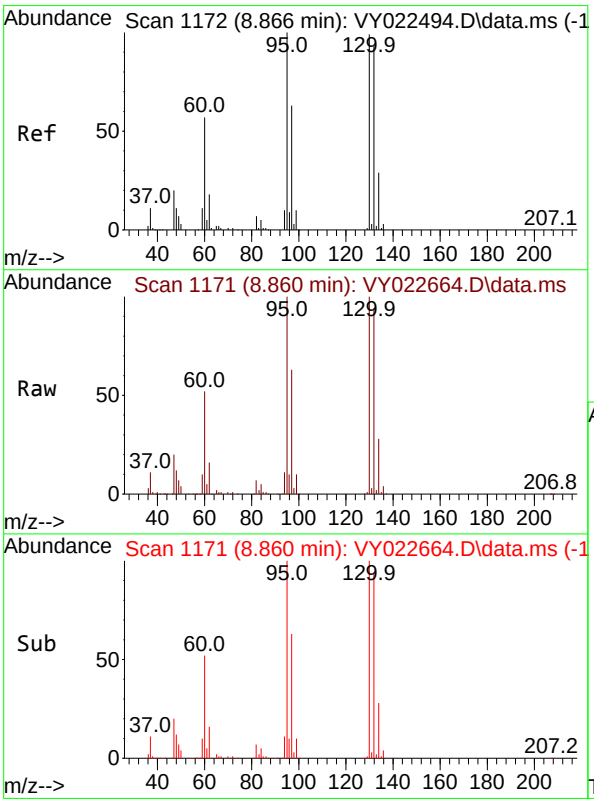
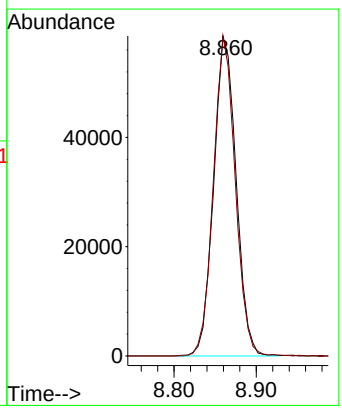


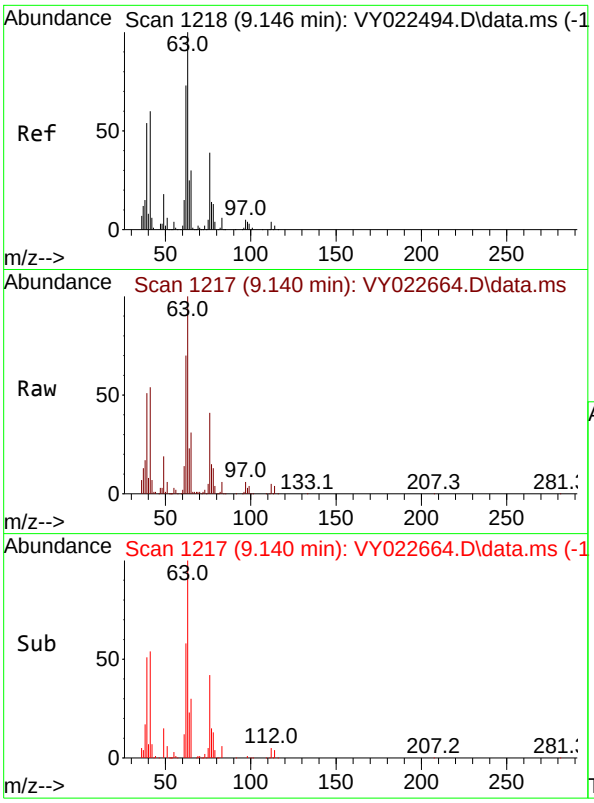


#44
Trichloroethene
Concen: 54.584 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:130 Resp: 110843

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.0

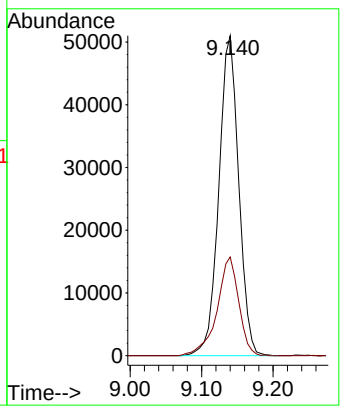




#45
1,2-Dichloropropane
Concen: 50.184 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 63 Resp: 9854

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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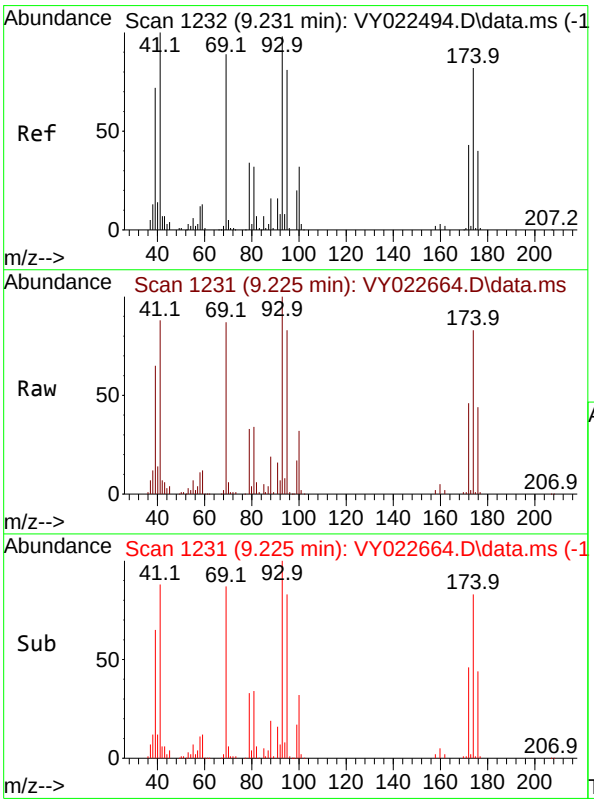
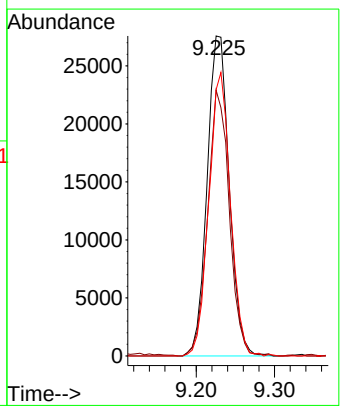
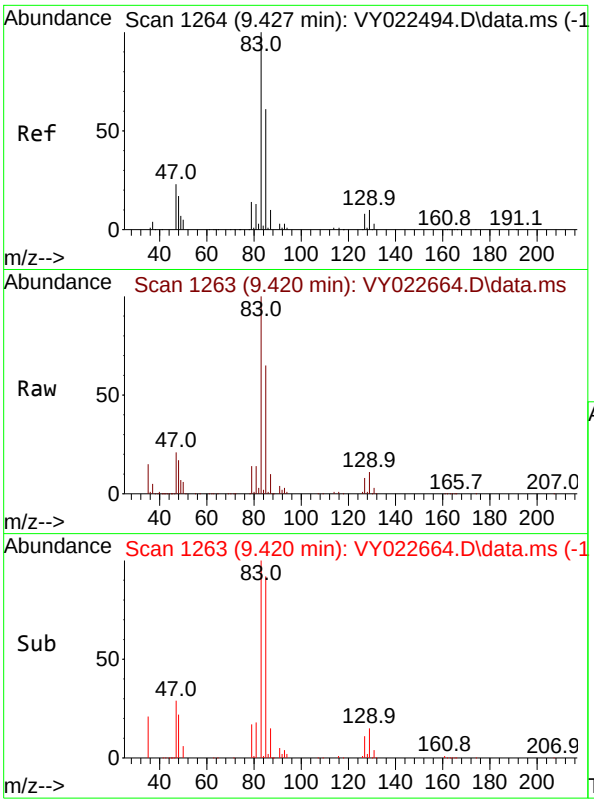


#46
Dibromomethane
Concen: 48.978 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 93 Resp: 54106

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.6	98.4
174	86.6	70.4	105.6

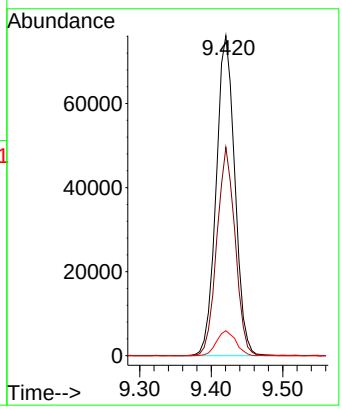




#47
Bromodichloromethane
Concen: 49.246 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 83 Resp: 13794

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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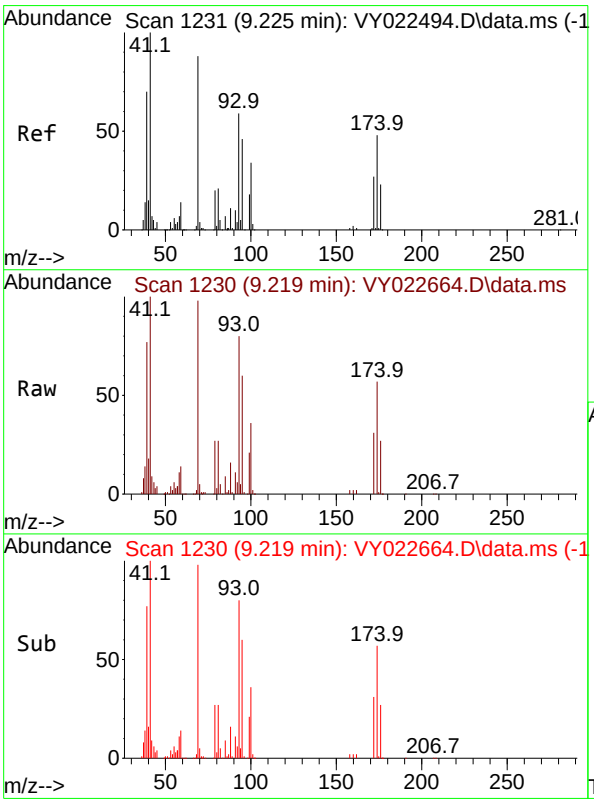
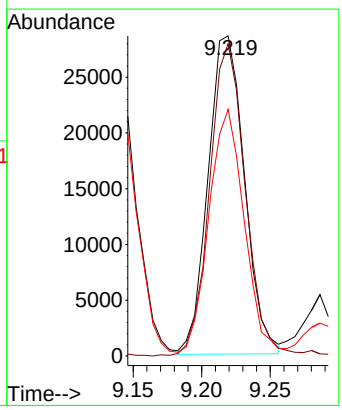
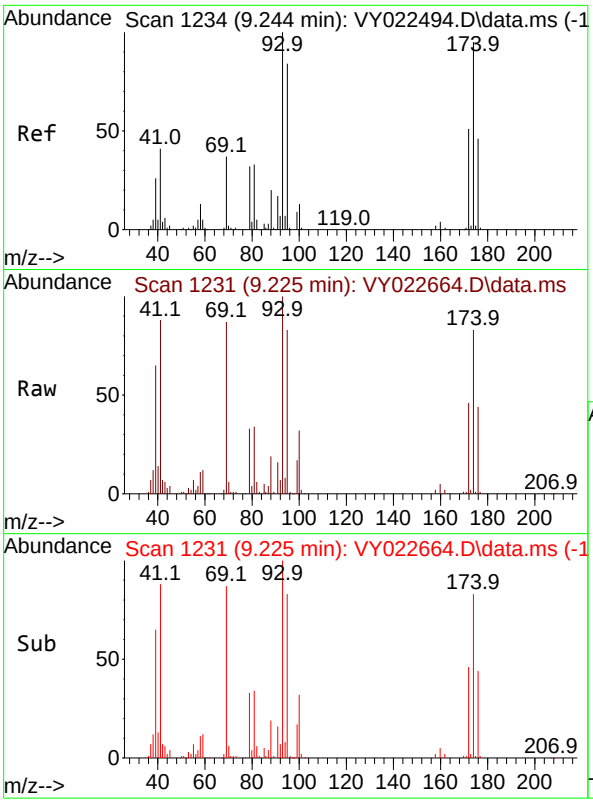


#48
Methyl methacrylate
Concen: 41.507 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 41 Resp: 52779

Ion	Ratio	Lower	Upper
41	100		
69	96.7	67.8	101.8
39	73.4	55.0	82.4





#49
1,4-Dioxane
Concen: 930.584 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 88 Resp: 1217

Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.4	38.2
58	59.2	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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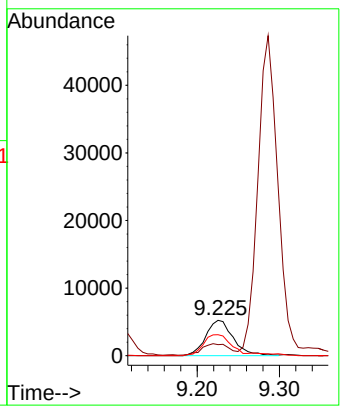
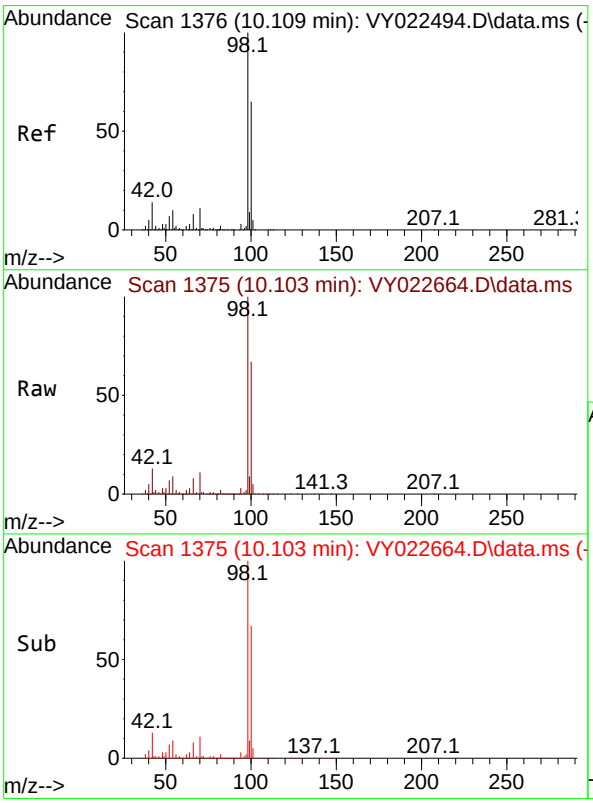
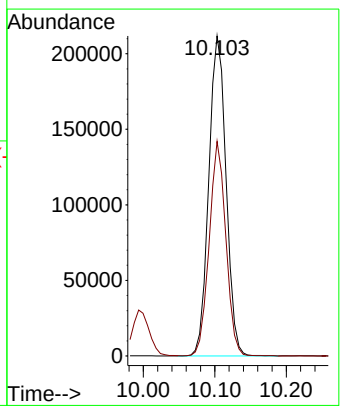


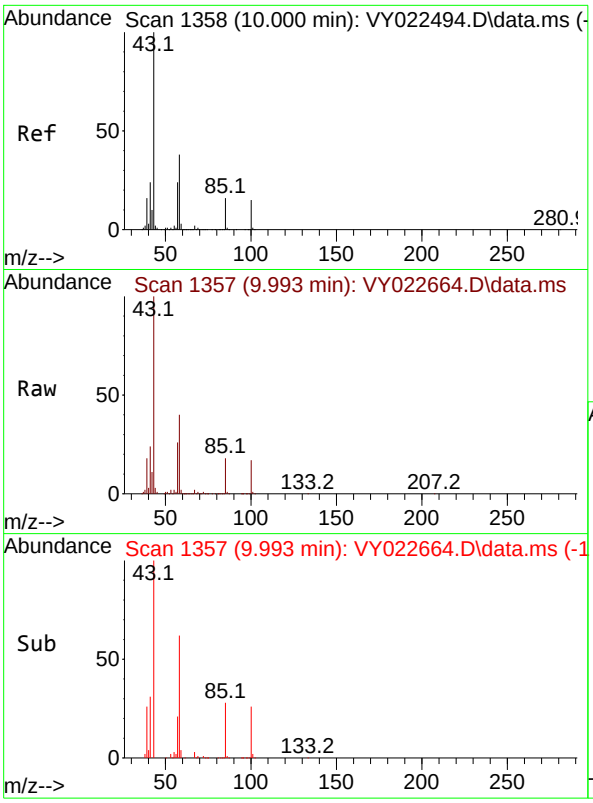


#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 98 Resp: 355393

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 223.486 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 30188

Ion	Ratio	Lower	Upper
43	100		
58	40.7	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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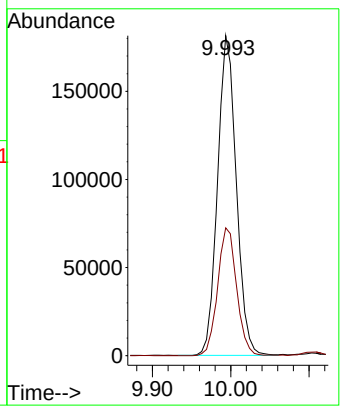
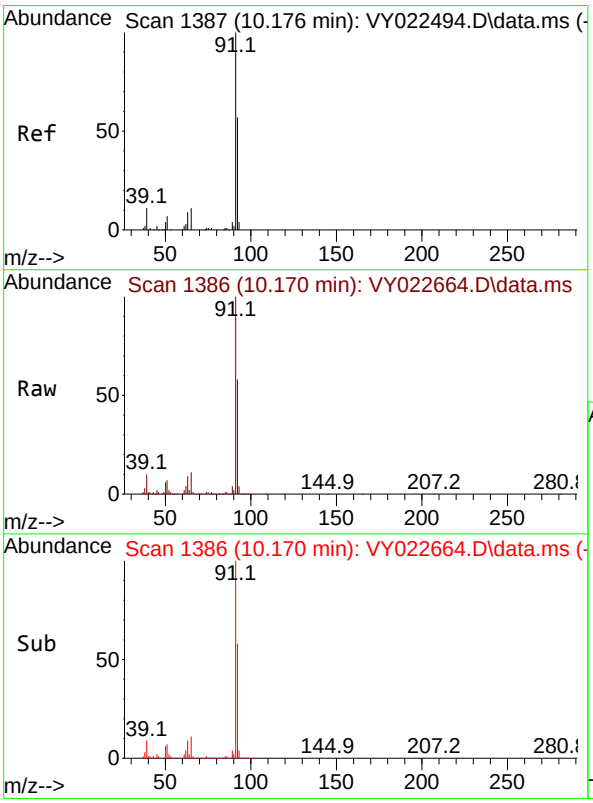
Supervised By :Semsettin Yesilyurt 06/12/2025

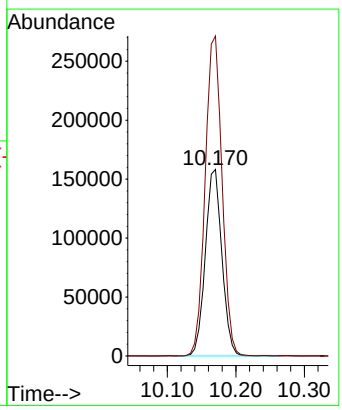


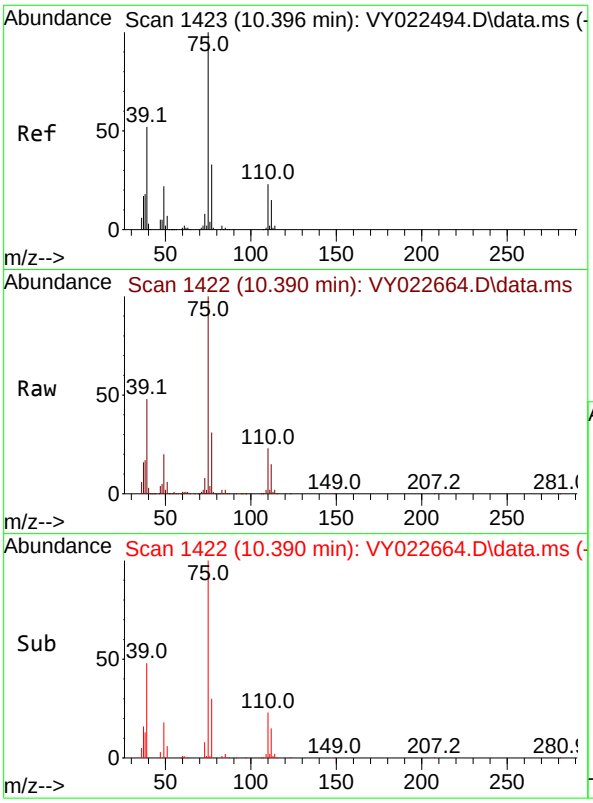


#52
Toluene
Concen: 51.024 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 92 Resp: 266417

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.0	208.4

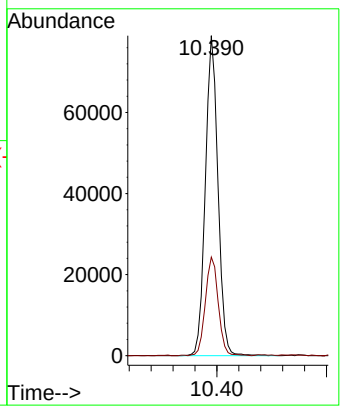




#53
t-1,3-Dichloropropene
Concen: 47.738 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 12529

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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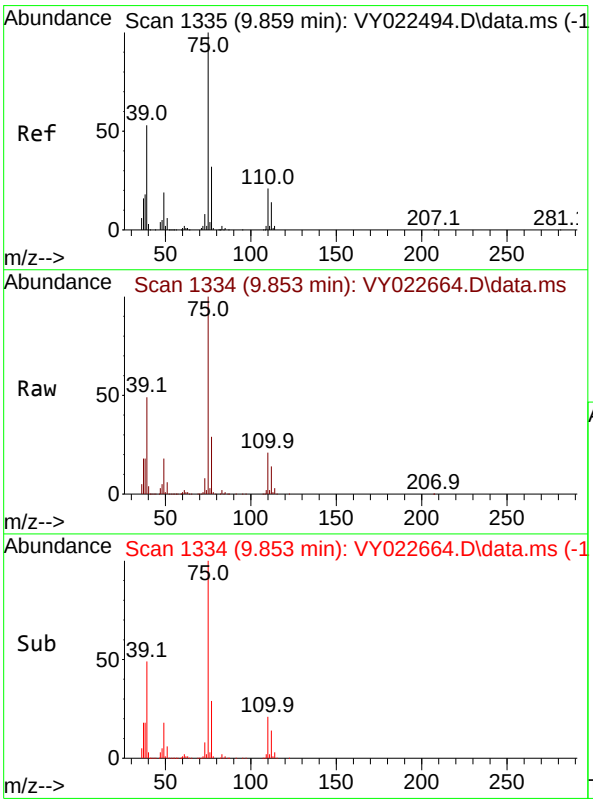
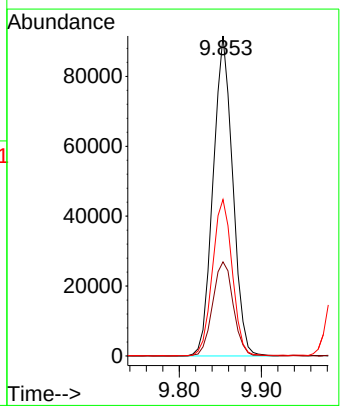
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

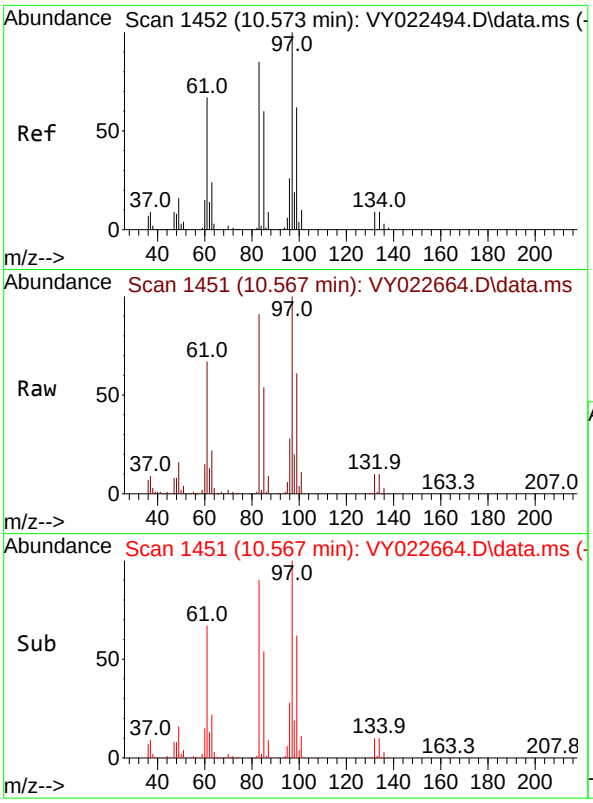


#54
cis-1,3-Dichloropropene
Concen: 49.616 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 151585

Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.3	37.9
39	48.8	42.7	64.1

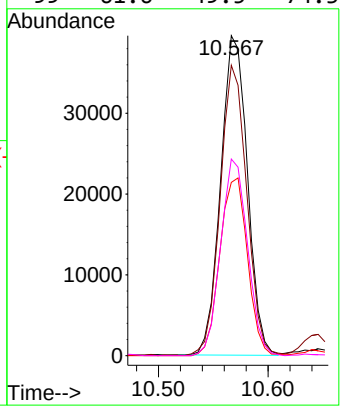




#55
1,1,2-Trichloroethane
Concen: 47.632 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 97 Resp: 6709

Ion	Ratio	Lower	Upper
97	100		
83	90.8	68.1	102.1
85	54.3	48.2	72.2
99	61.6	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 06/12/2025
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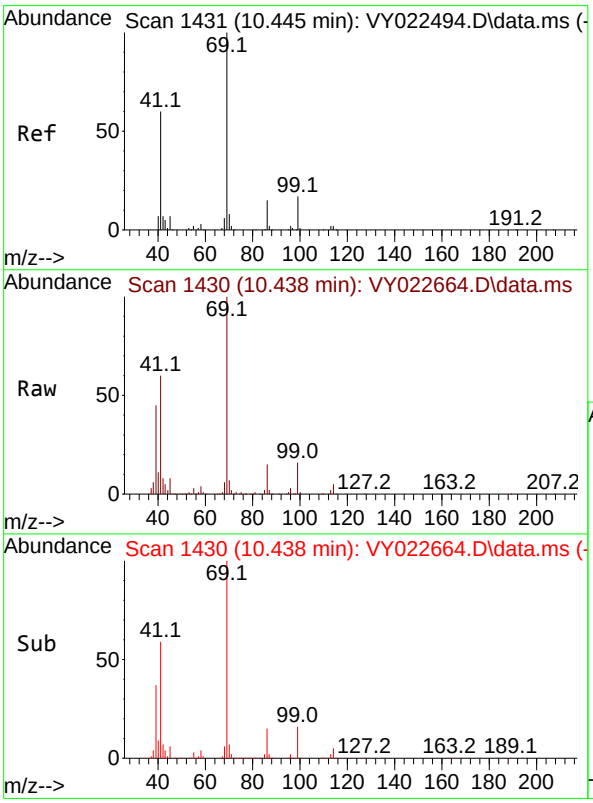
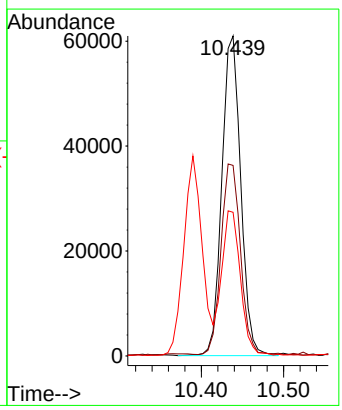
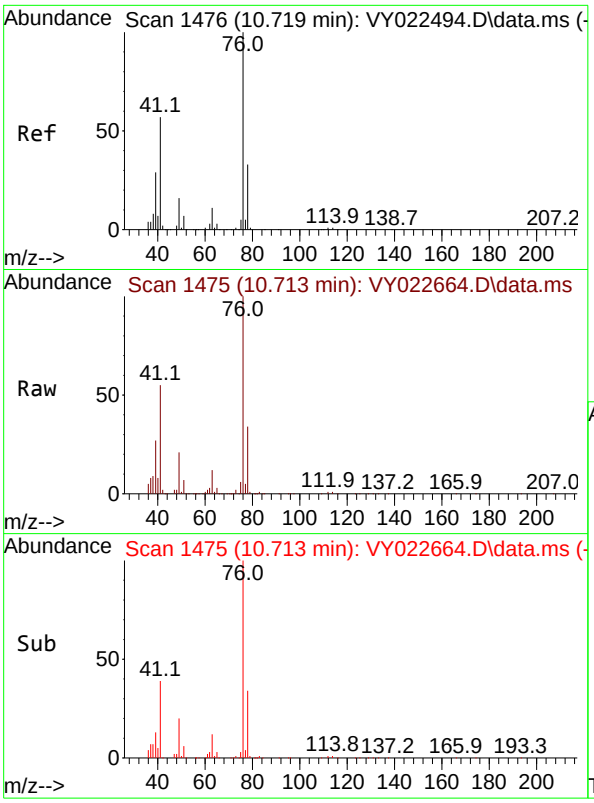


#56
Ethyl methacrylate
Concen: 47.764 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 69 Resp: 97246

Ion	Ratio	Lower	Upper
69	100		
41	61.5	52.2	78.2
39	44.8	36.7	55.1

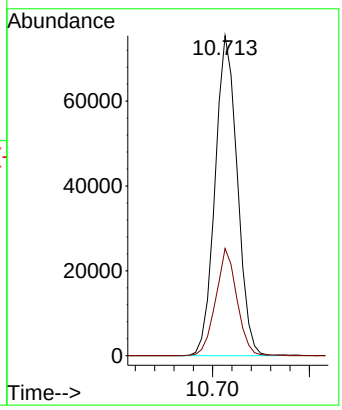




#57
1,3-Dichloropropane
Concen: 48.090 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 76 Resp: 12006

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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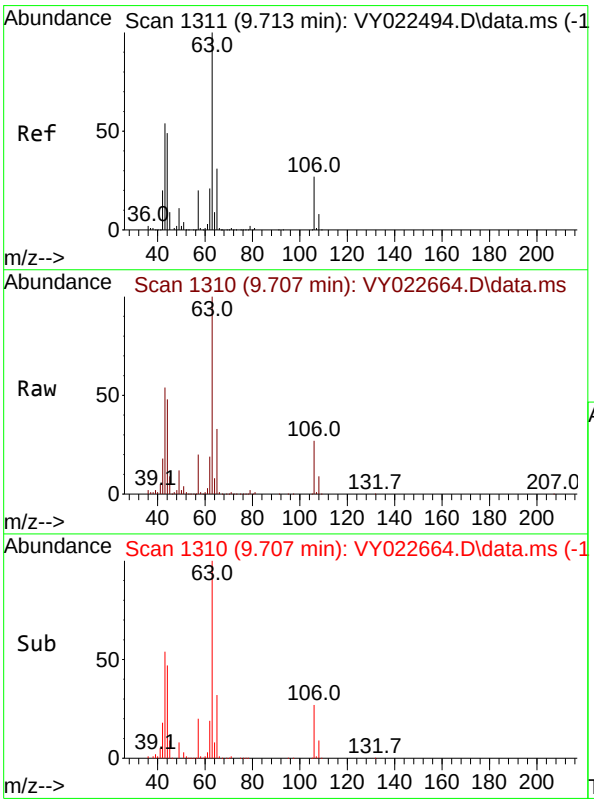
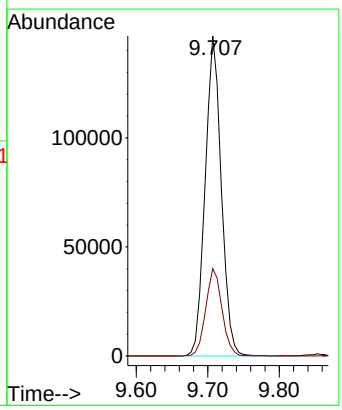
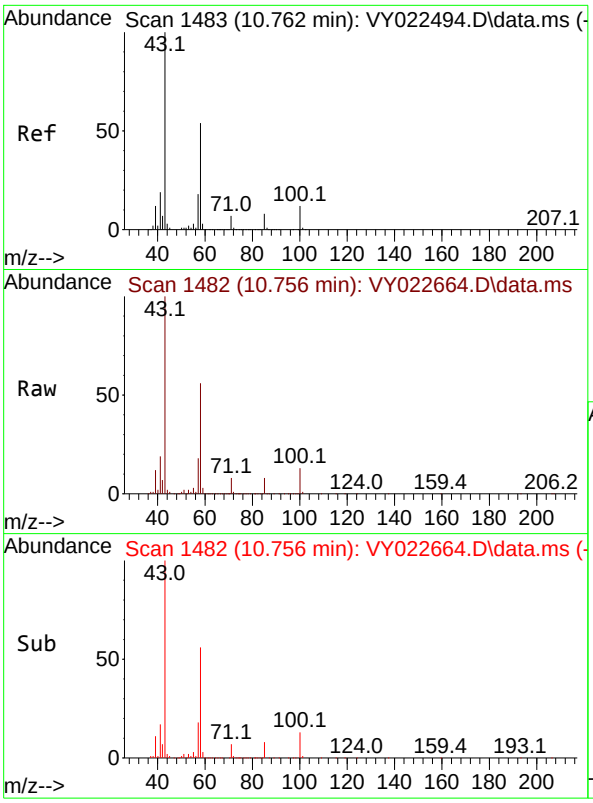


#58
2-Chloroethyl Vinyl ether
Concen: 248.382 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 63 Resp: 229595

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.6	32.4





#59
2-Hexanone
Concen: 224.569 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 20287

Ion	Ratio	Lower	Upper
43	100		
58	57.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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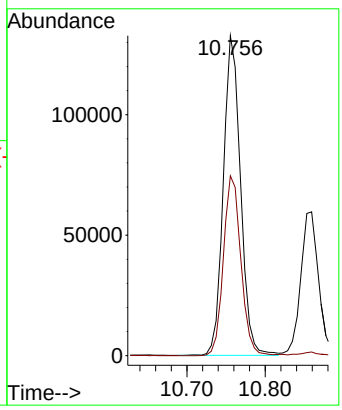
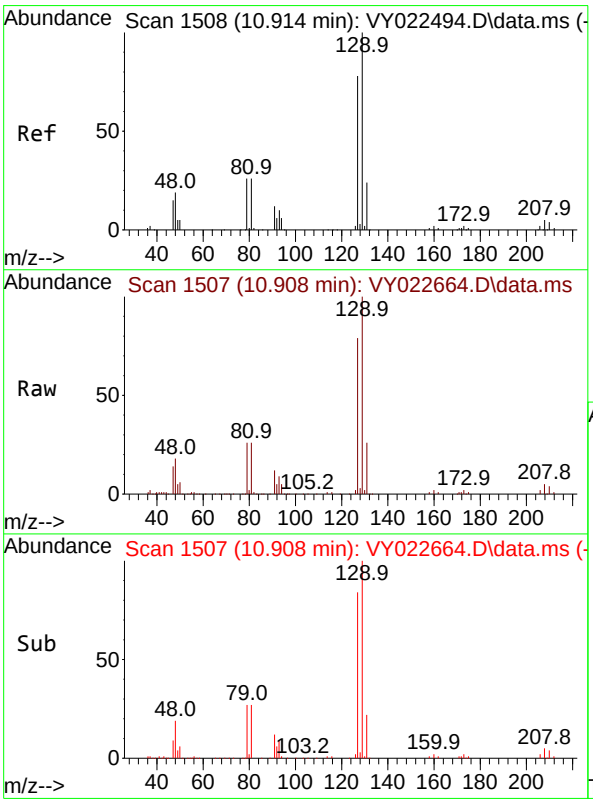
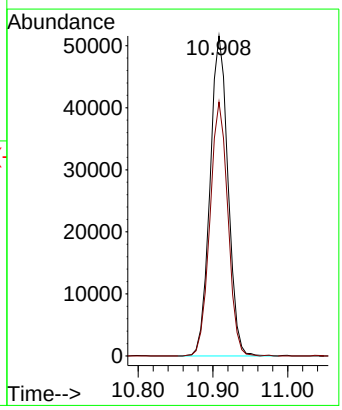


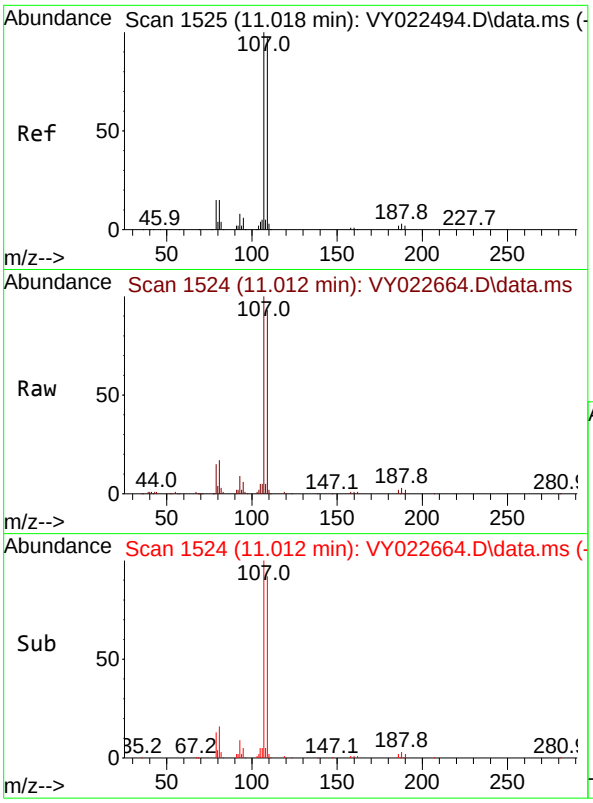


#60
Dibromochloromethane
Concen: 48.149 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:129 Resp: 86194

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.2





#61
1,2-Dibromoethane
Concen: 48.421 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:107 Resp: 6216

Ion	Ratio	Lower	Upper
107	100		
109	92.2	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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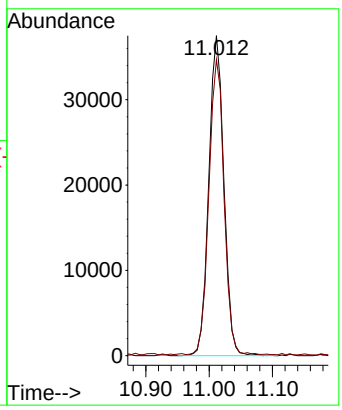
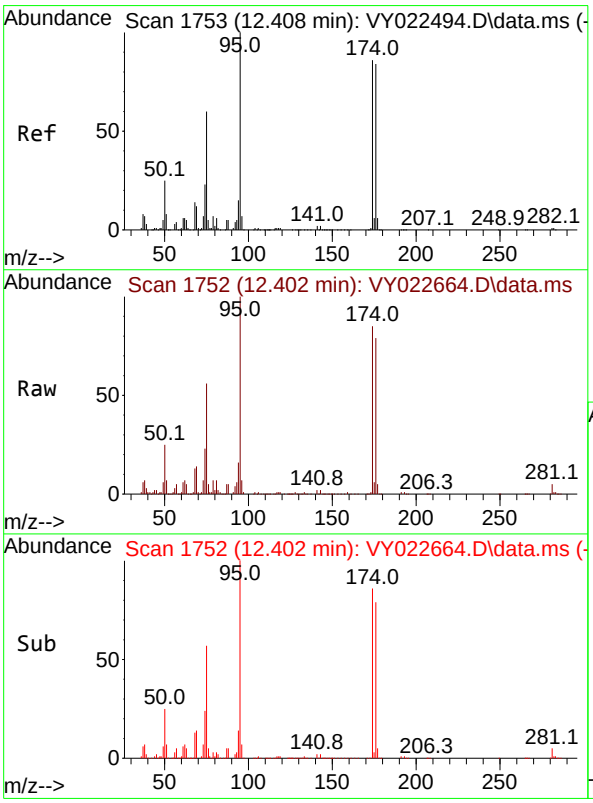
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

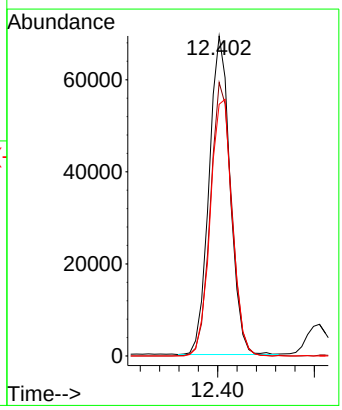


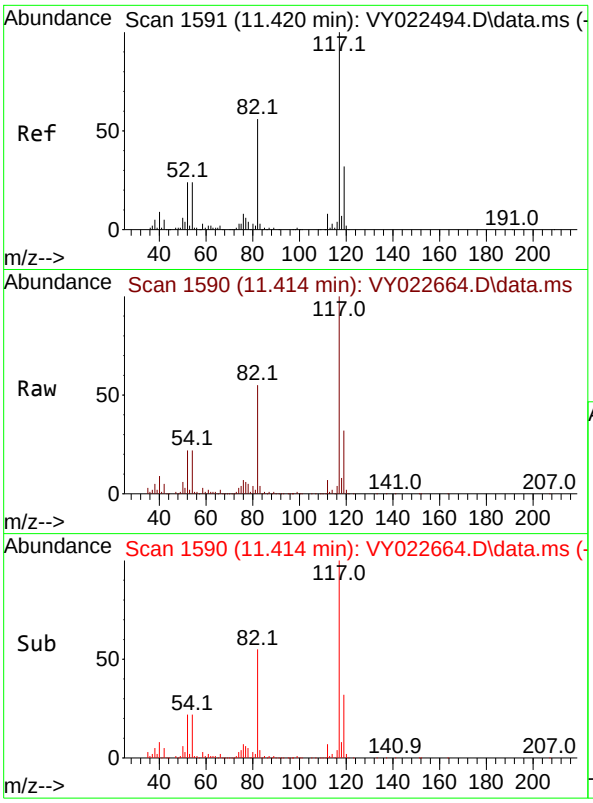


#62
4-Bromofluorobenzene
Concen: 50.044 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 95 Resp: 104426

Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	170.0
176	84.4	0.0	166.2

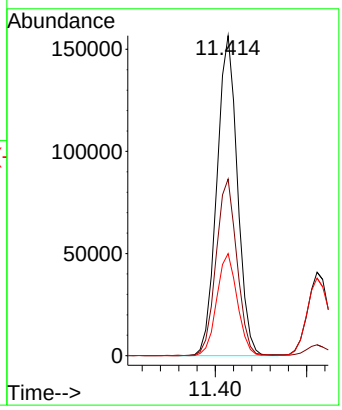




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:117 Resp: 24524

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	66.8
119	31.9	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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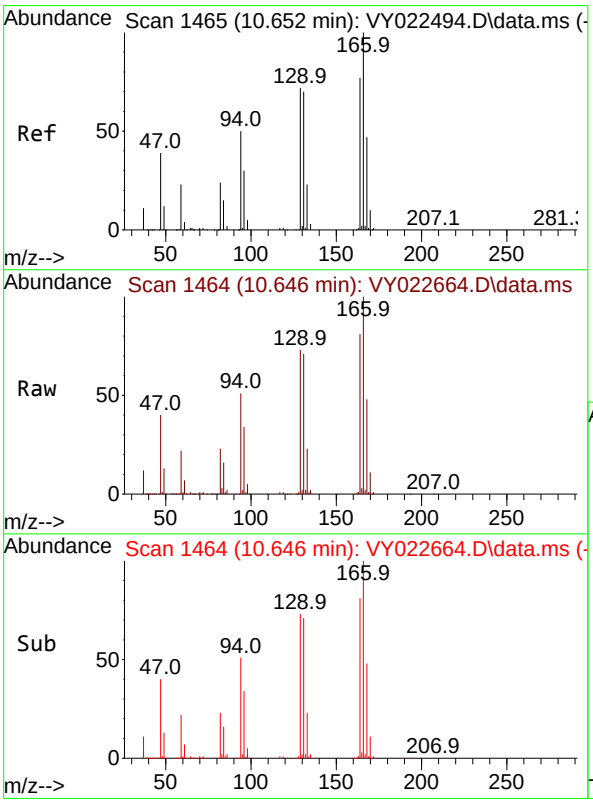
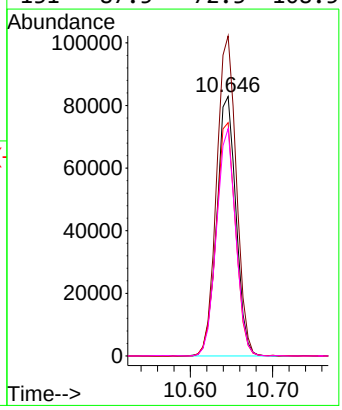
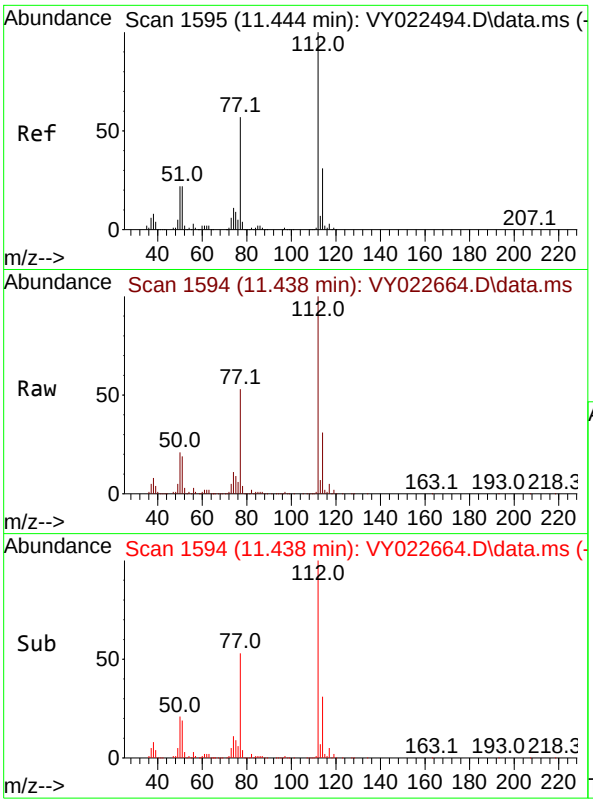


#64
Tetrachloroethene
Concen: 63.928 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:164 Resp: 134865

Ion	Ratio	Lower	Upper
164	100		
166	123.3	104.0	156.0
129	89.9	74.5	111.7
131	87.5	72.3	108.5

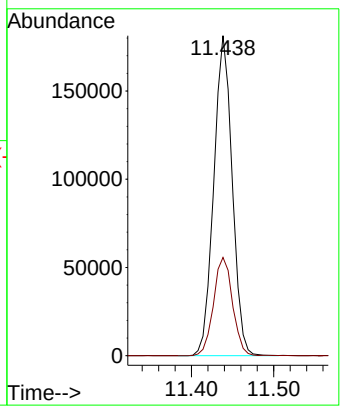




#65
Chlorobenzene
Concen: 51.989 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:112 Resp: 28214

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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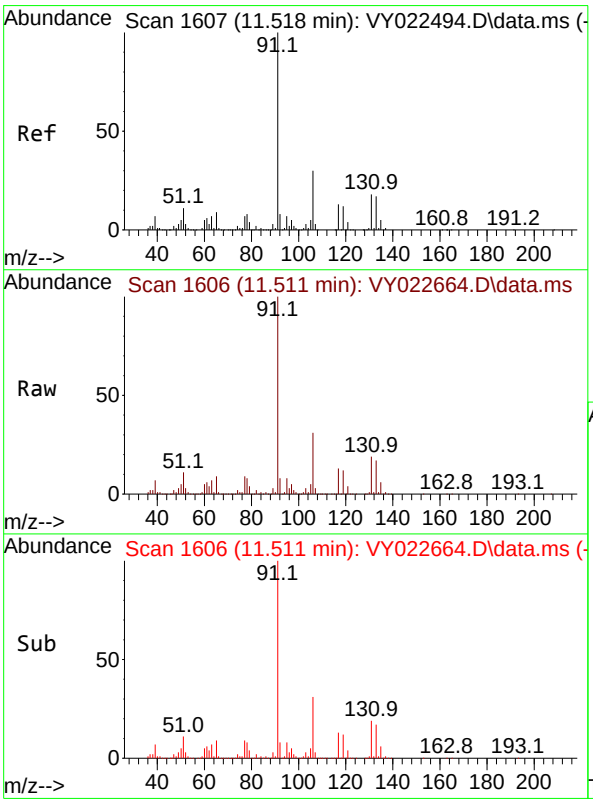
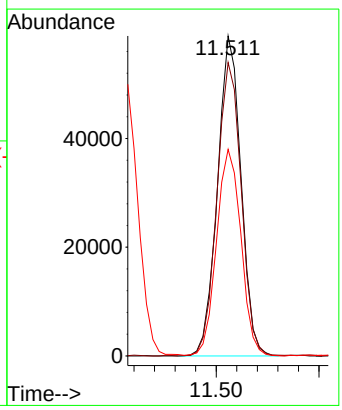
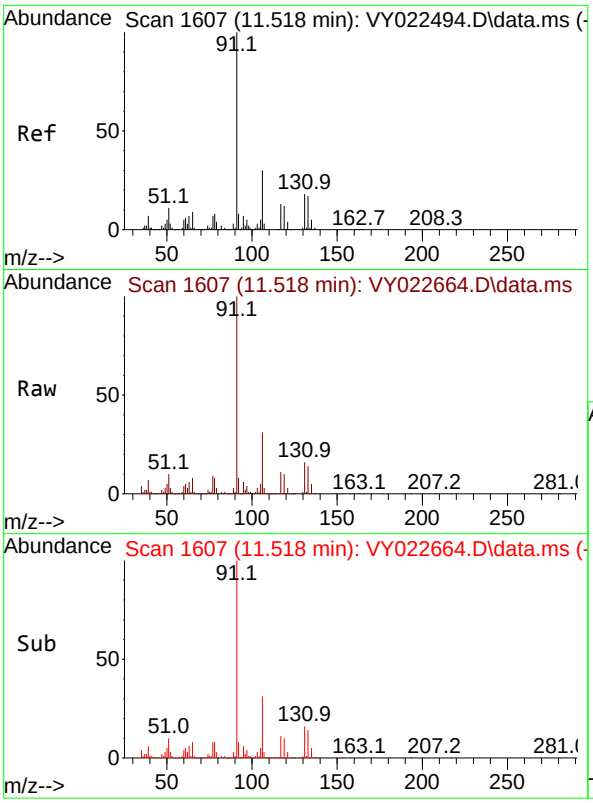


#66
1,1,1,2-Tetrachloroethane
Concen: 51.056 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:131 Resp: 93342

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	141.8
119	67.1	33.1	99.3





#67
Ethyl Benzene
Concen: 51.398 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 51736

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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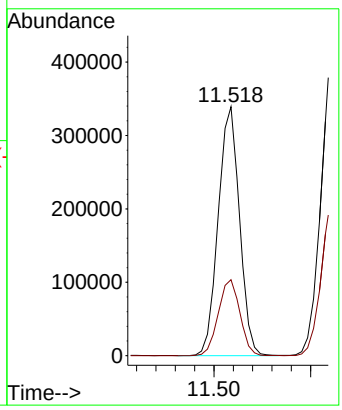
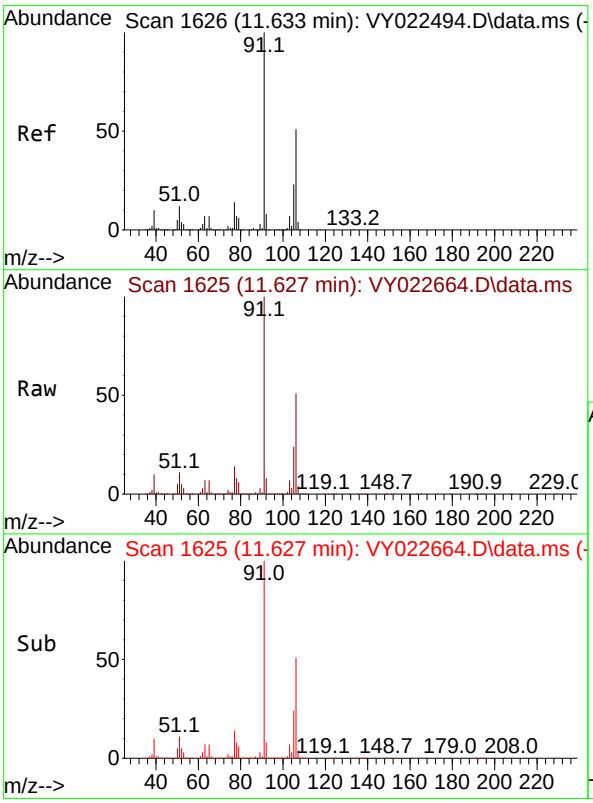
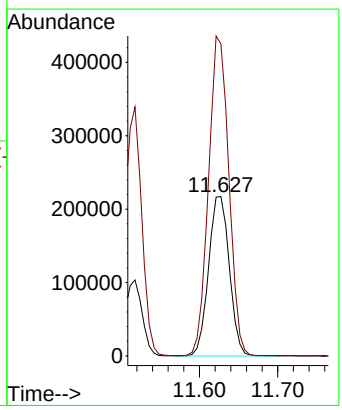


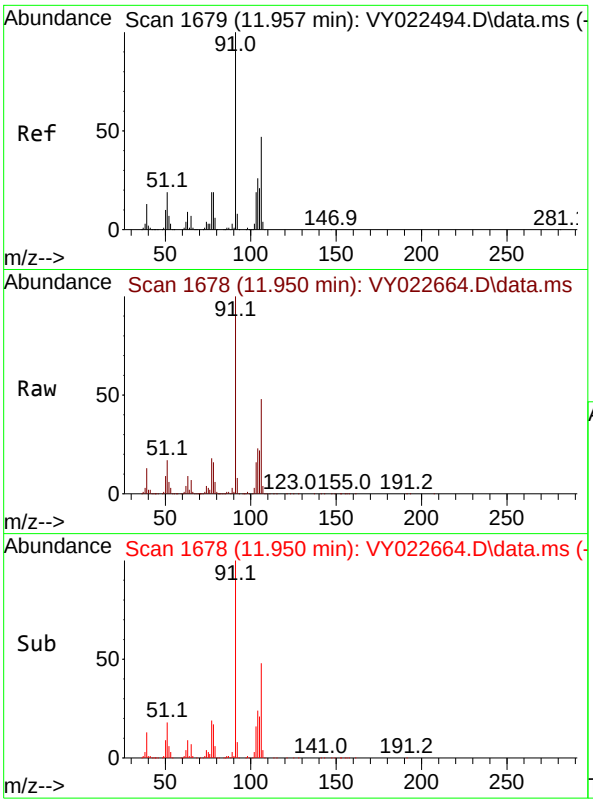


#68
m/p-Xylenes
Concen: 104.498 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:106 Resp: 398753

Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.4	239.0





#69
o-Xylene
Concen: 52.894 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:106 Resp: 18923

Ion	Ratio	Lower	Upper
106	100		
91	206.9	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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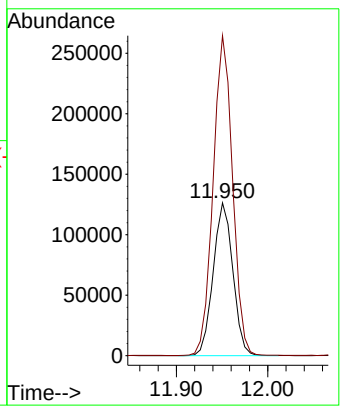
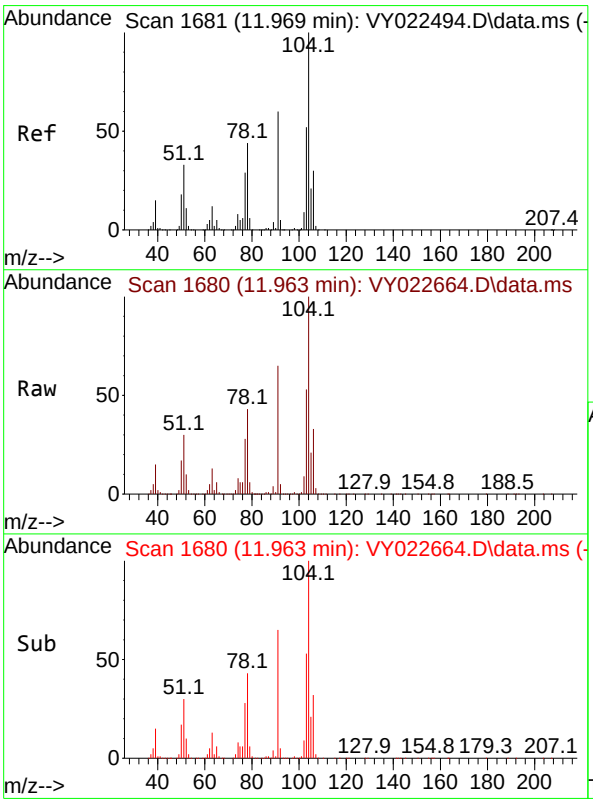
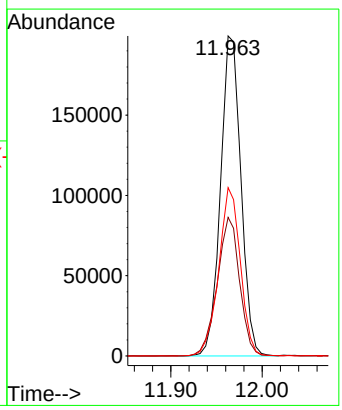


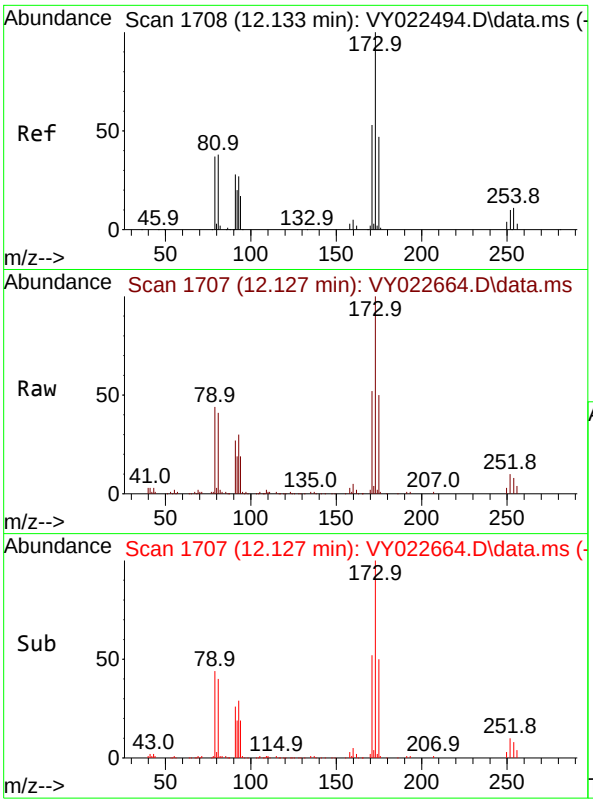


#70
Styrene
Concen: 52.424 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:104 Resp: 310024

Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.5	59.3
103	55.7	44.1	66.1

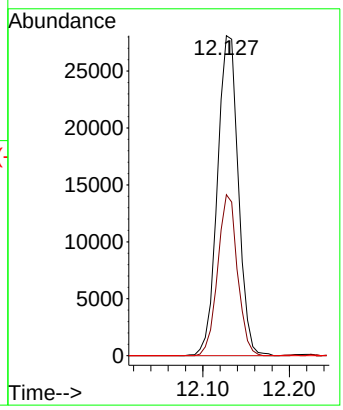




#71
Bromoform
Concen: 48.333 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:173 Resp: 4702

Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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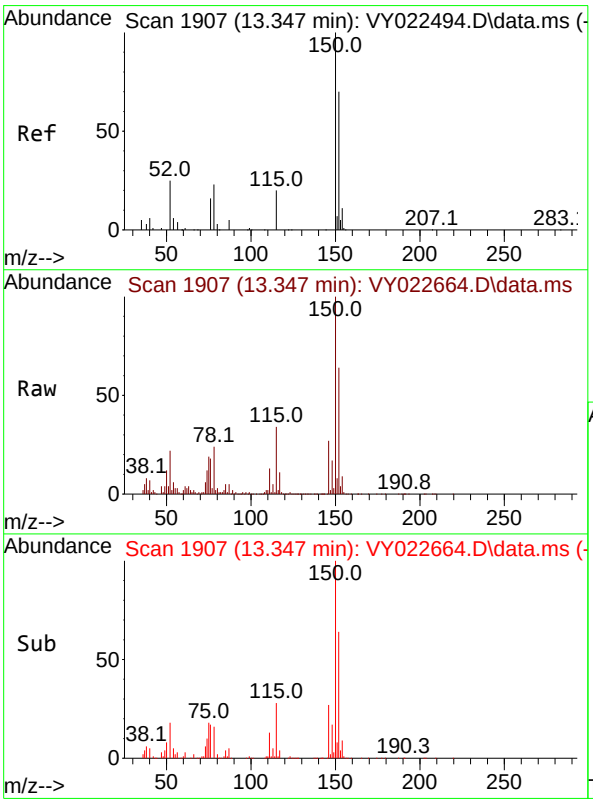
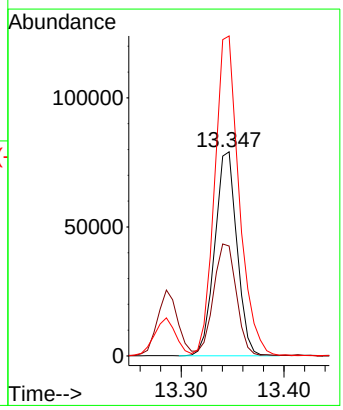
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

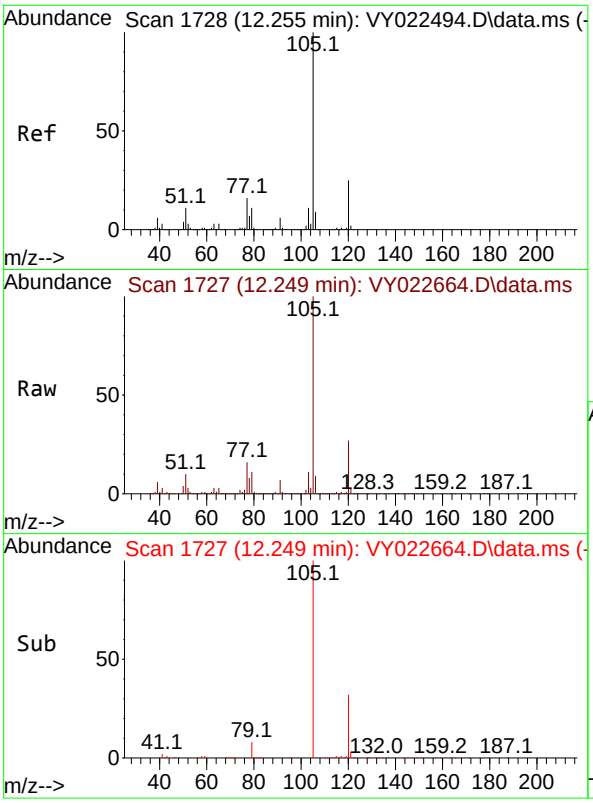


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:152 Resp: 118360

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.9	86.7
150	173.1	0.0	349.6





#73
Isopropylbenzene
Concen: 50.210 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:105 Resp: 48791

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
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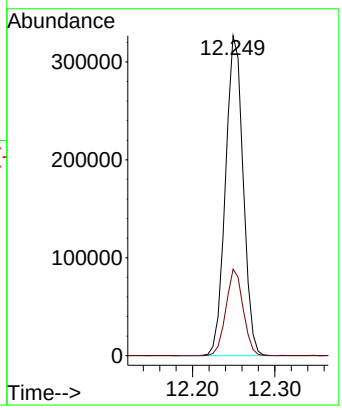
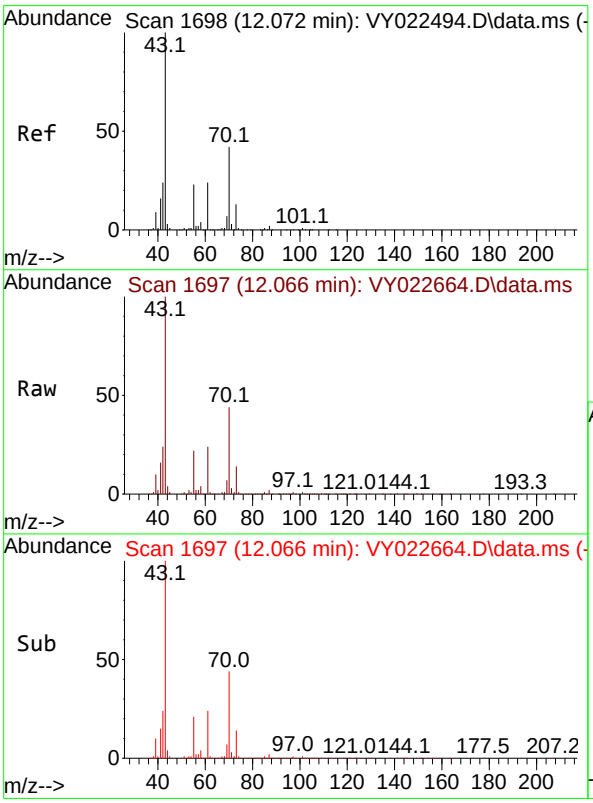
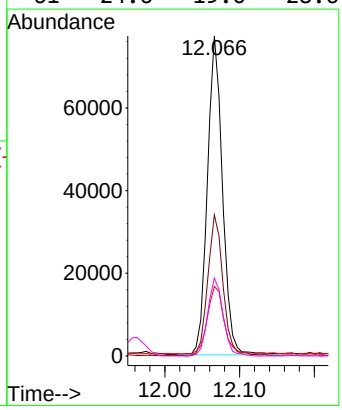


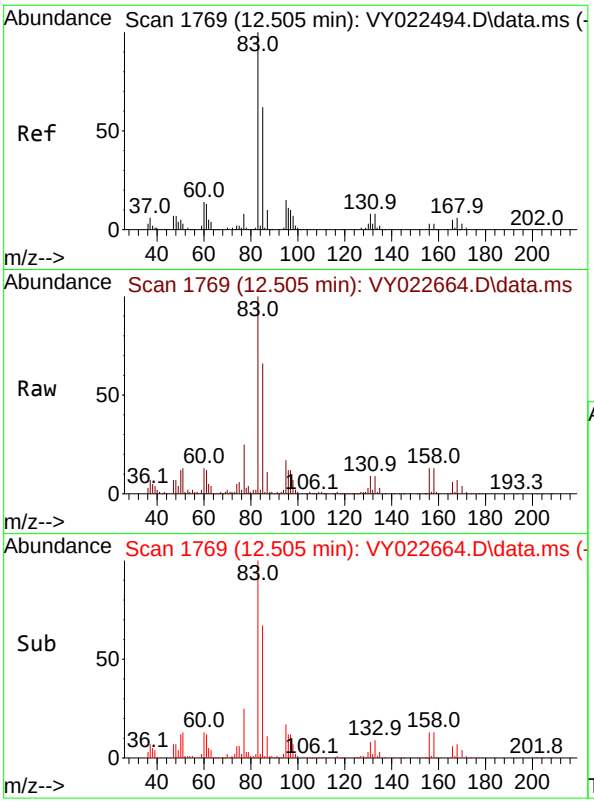


#74
N-amyl acetate
Concen: 44.340 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 108716

Ion	Ratio	Lower	Upper
43	100		
70	45.0	34.2	51.2
55	23.0	18.2	27.4
61	24.6	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 38.413 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 83 Resp: 6126

Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.9	14.7
85	64.9	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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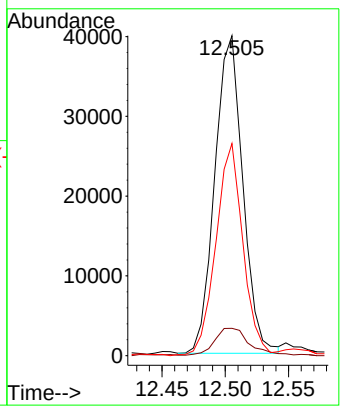
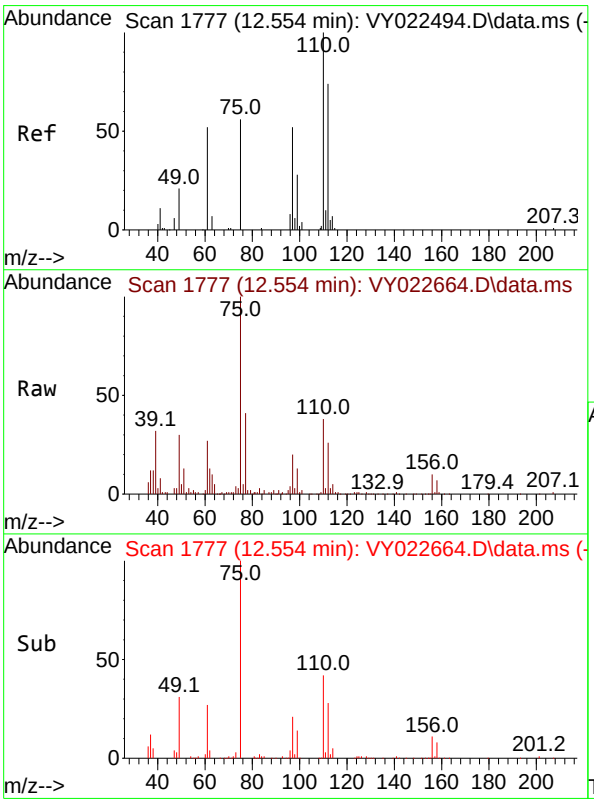
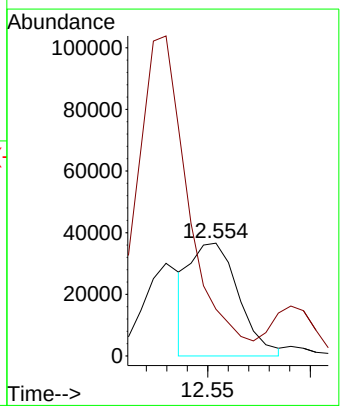


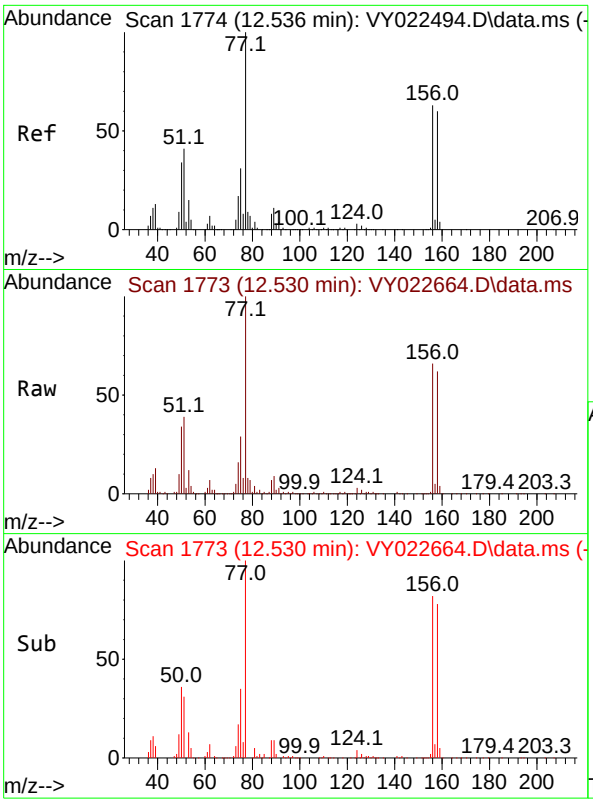


#76
1,2,3-Trichloropropane
Concen: 44.507 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 60266

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

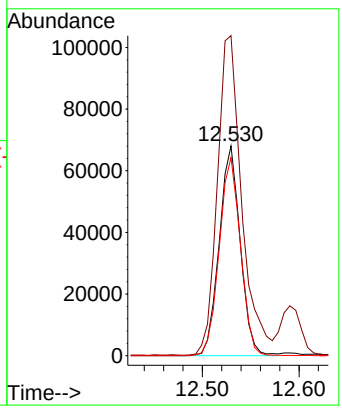




#77
Bromobenzene
Concen: 50.011 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:156 Resp: 10255

Ion	Ratio	Lower	Upper
156	100		
77	176.5	94.0	282.1
158	95.4	48.2	144.6



Instrument :
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ClientSampleId :
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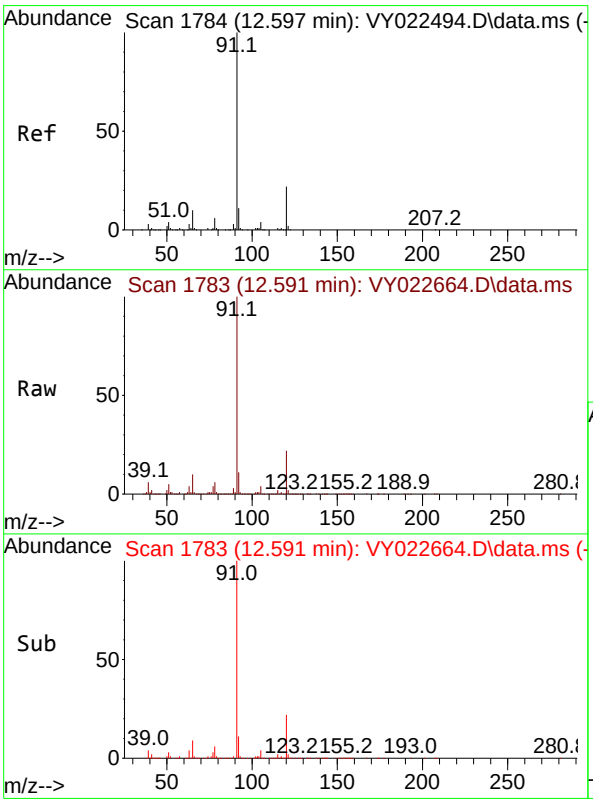
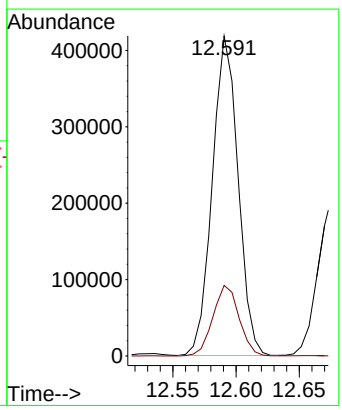
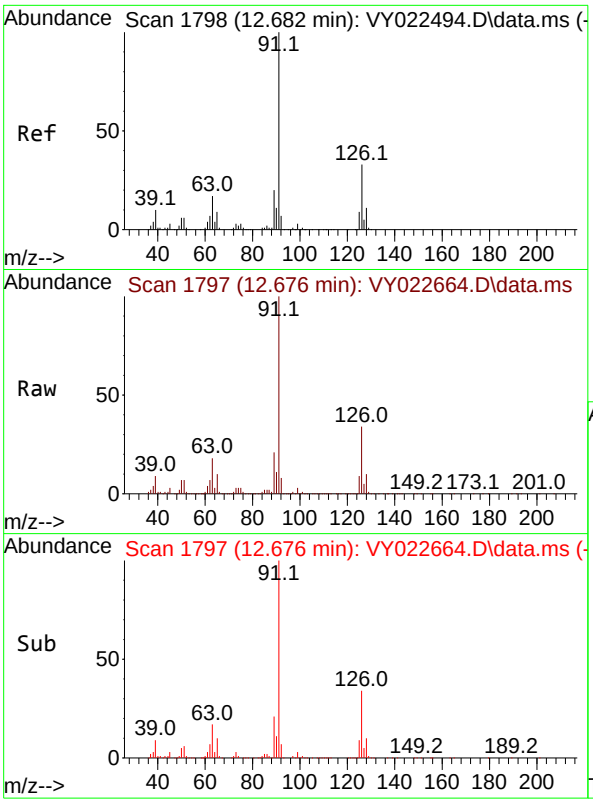


#78
n-propylbenzene
Concen: 49.873 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 591928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

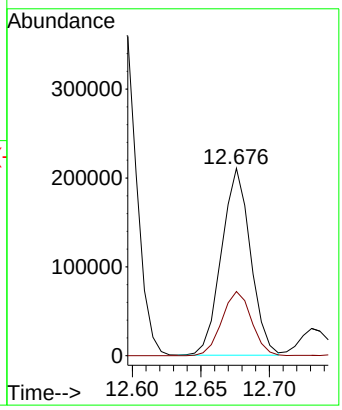




#79
2-Chlorotoluene
Concen: 49.256 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 30984

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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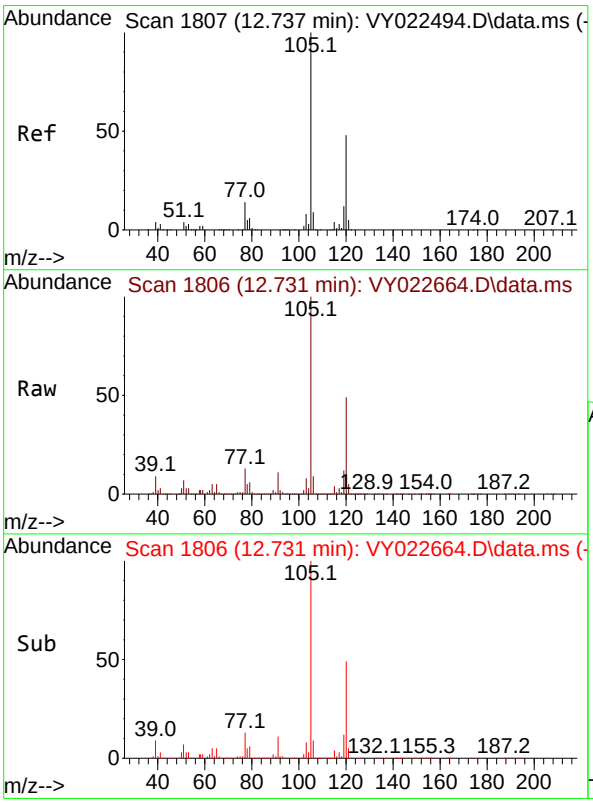
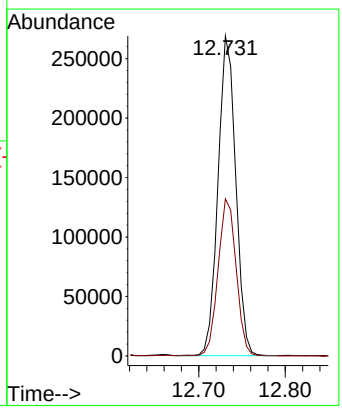
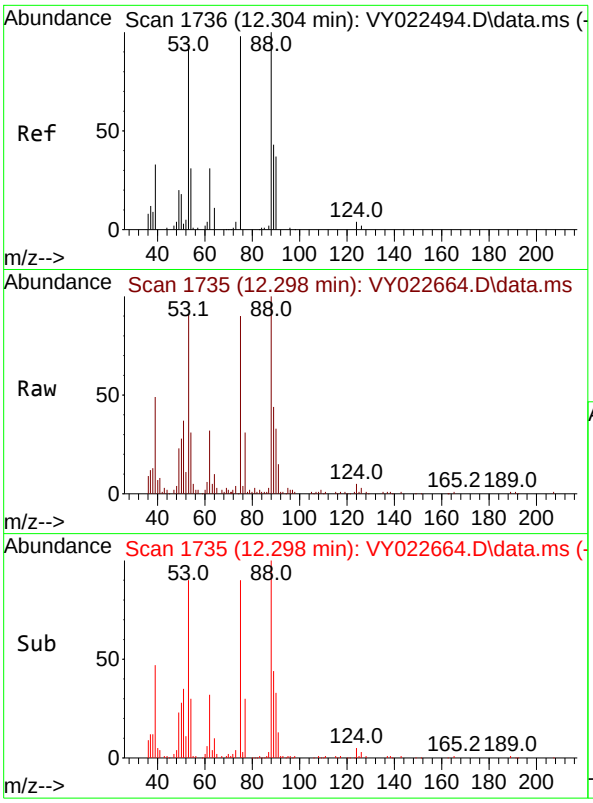


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:105 Resp: 381869

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.1	72.4

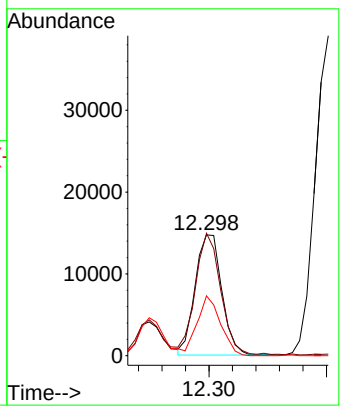




#81
trans-1,4-Dichloro-2-butene
Concen: 41.290 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 2315

Ion	Ratio	Lower	Upper
75	100		
53	96.2	78.5	117.7
89	43.2	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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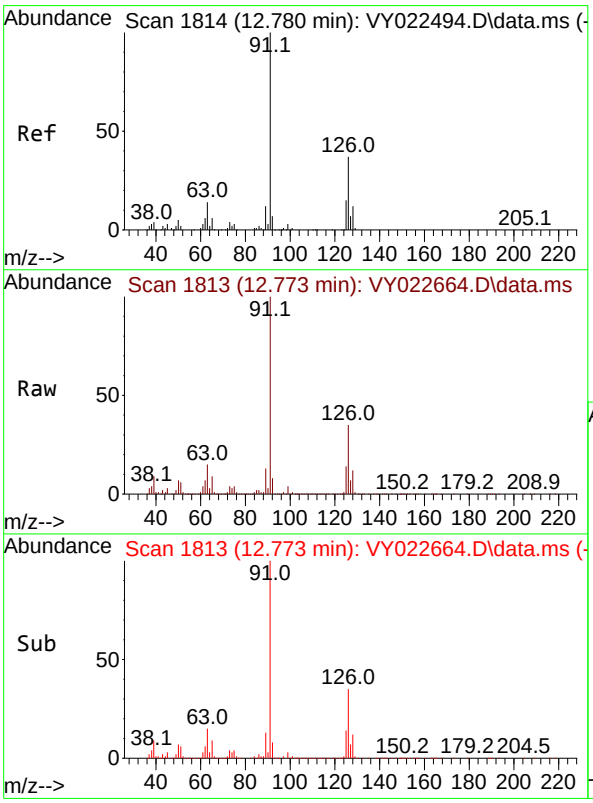
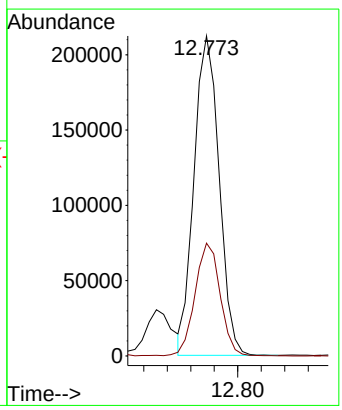
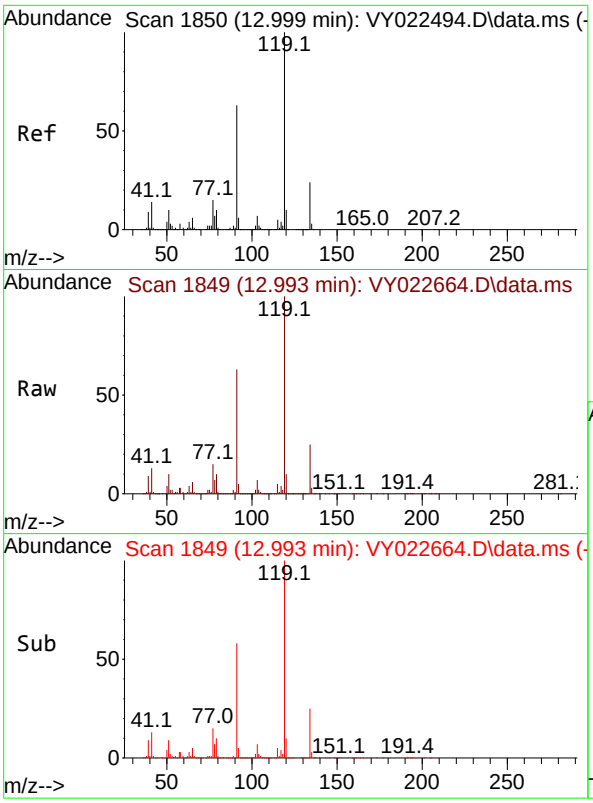


#82
4-Chlorotoluene
Concen: 48.391 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 314019

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.0	50.9

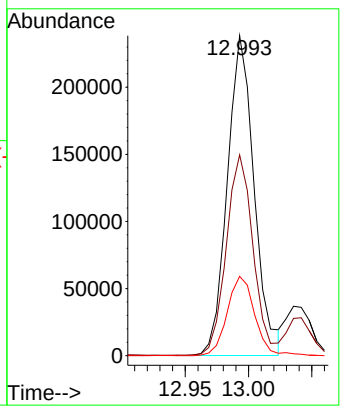




#83
tert-Butylbenzene
Concen: 51.390 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:119 Resp: 35187

Ion	Ratio	Lower	Upper
119	100		
91	62.7	32.1	96.3
134	25.5	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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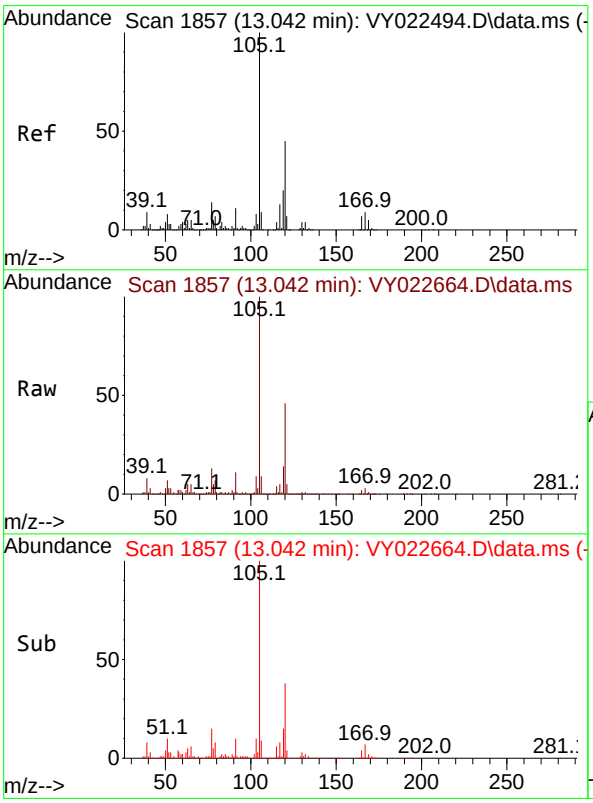
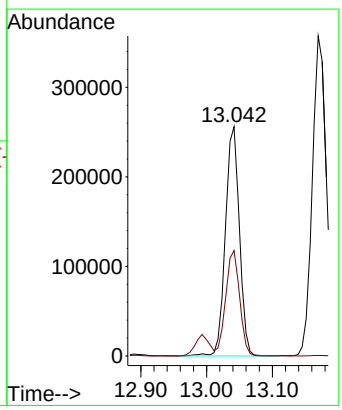
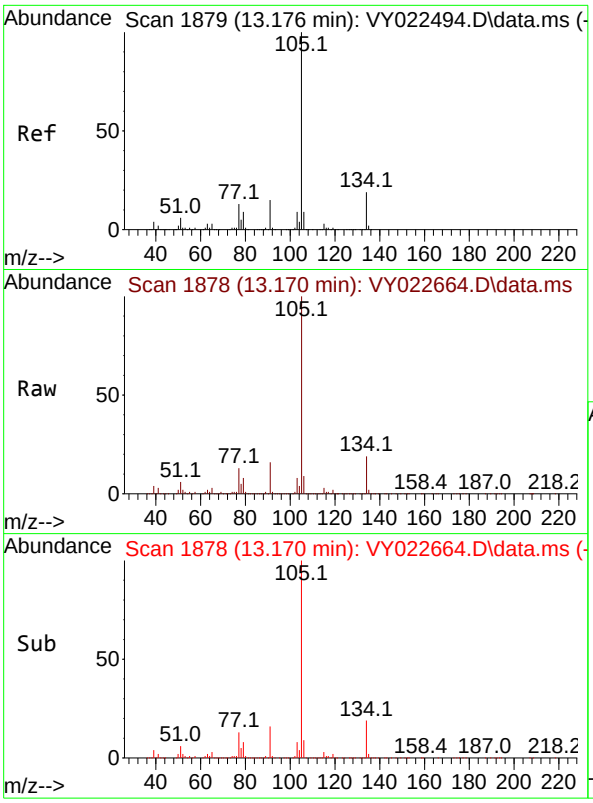


#84
1,2,4-Trimethylbenzene
Concen: 49.775 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:105 Resp: 379800

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





#85
sec-Butylbenzene
Concen: 50.277 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:105 Resp: 52723

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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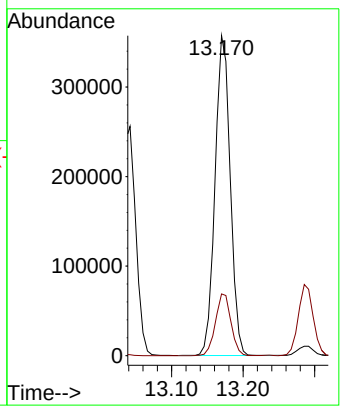
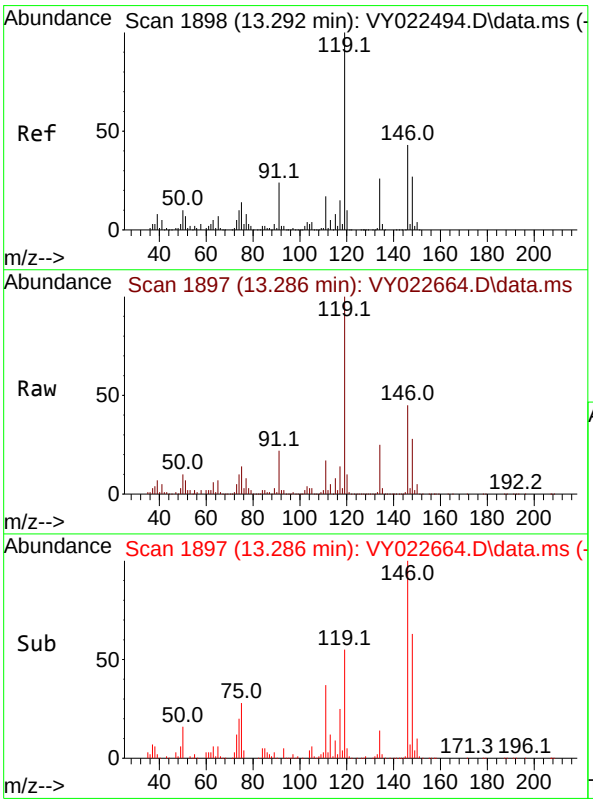
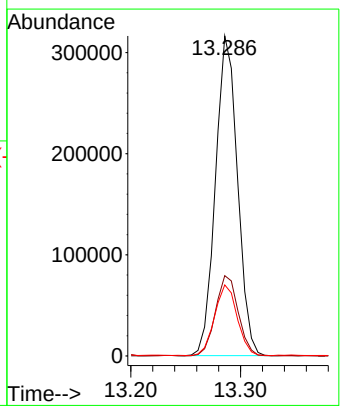


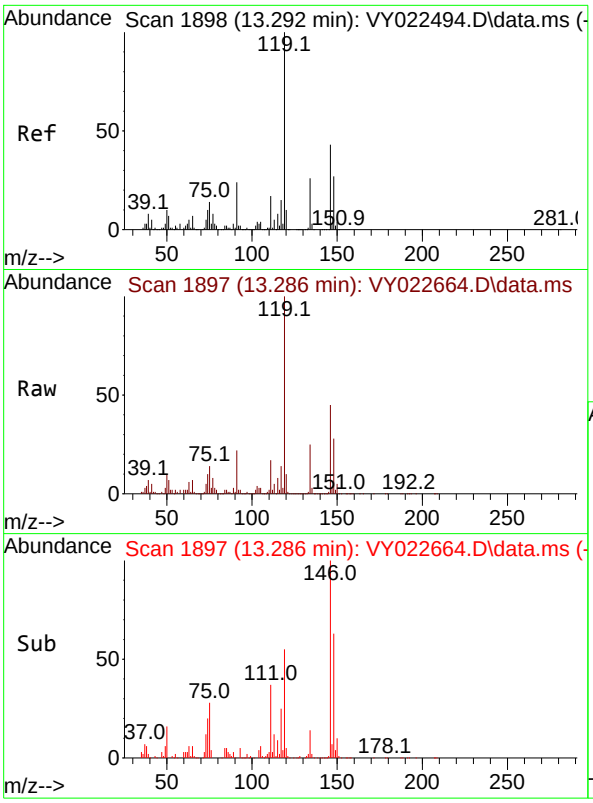


#86
p-Isopropyltoluene
Concen: 51.086 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:119 Resp: 441582

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	22.6	11.6	34.8

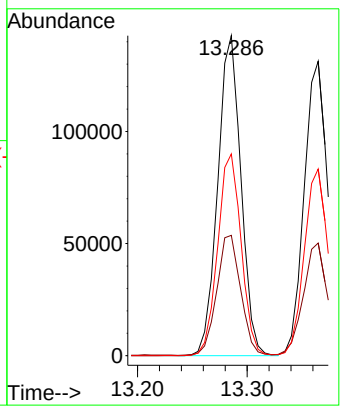




#87
1,3-Dichlorobenzene
Concen: 50.570 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:146 Resp: 21010

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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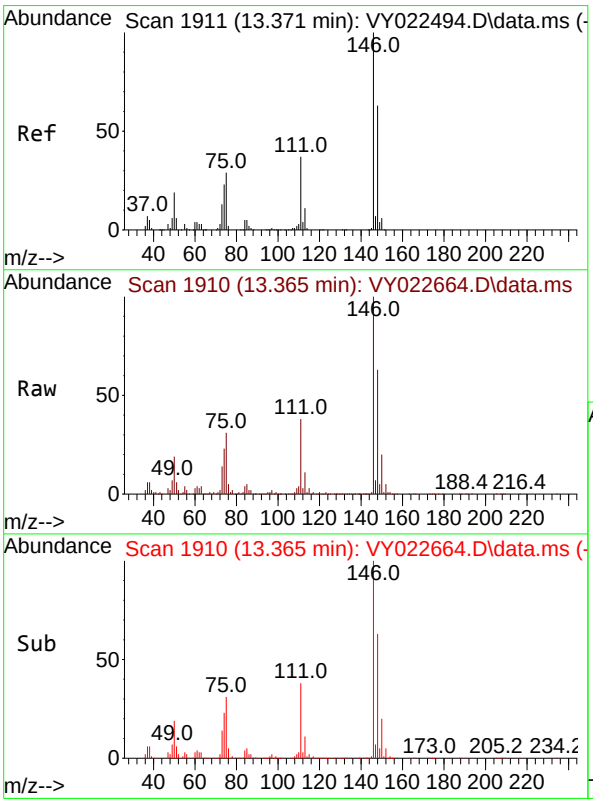
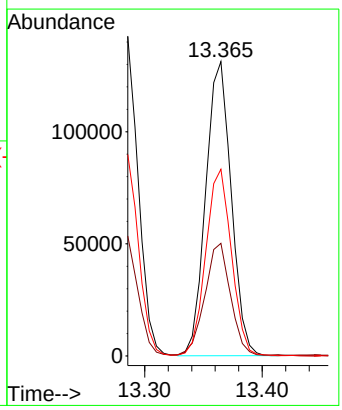
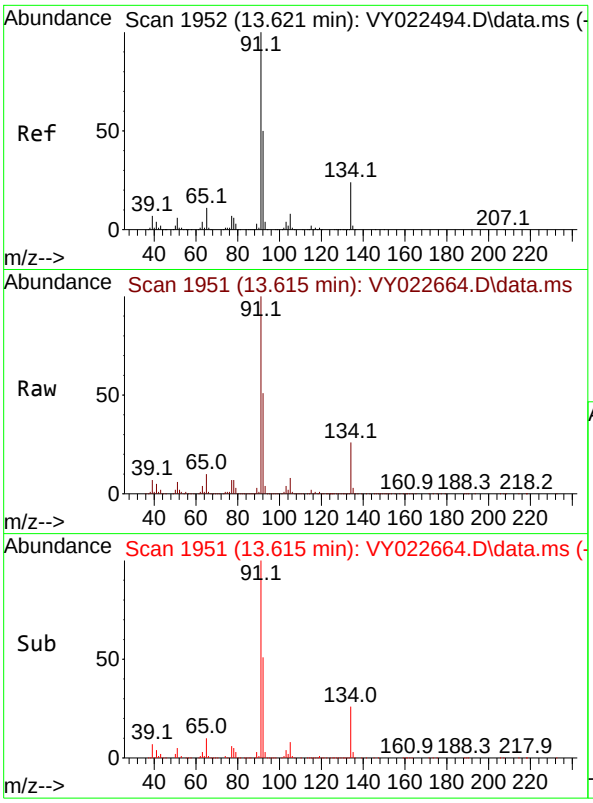


#88
1,4-Dichlorobenzene
Concen: 49.053 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:146 Resp: 197667

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	64.2	31.6	94.8

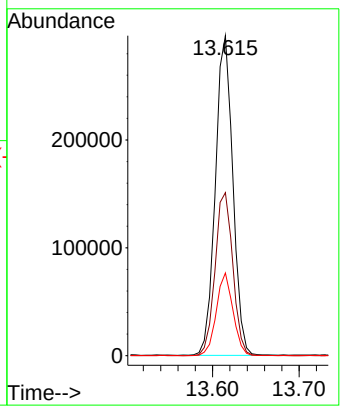




#89
n-Butylbenzene
Concen: 50.596 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 41493

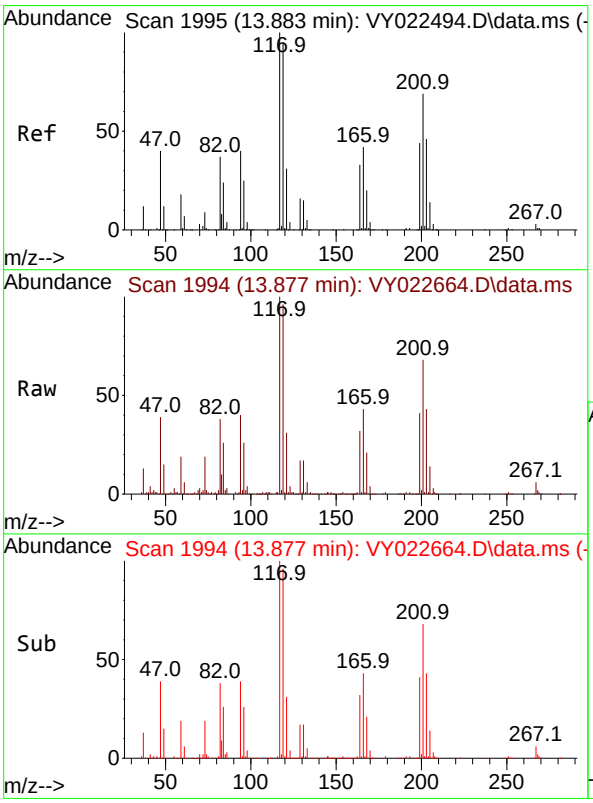
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.9	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

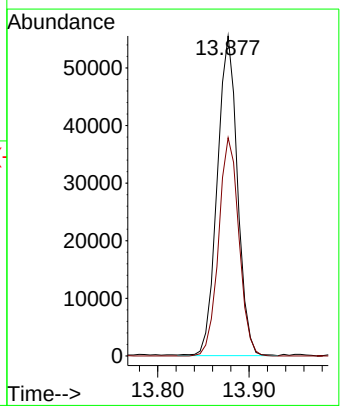
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

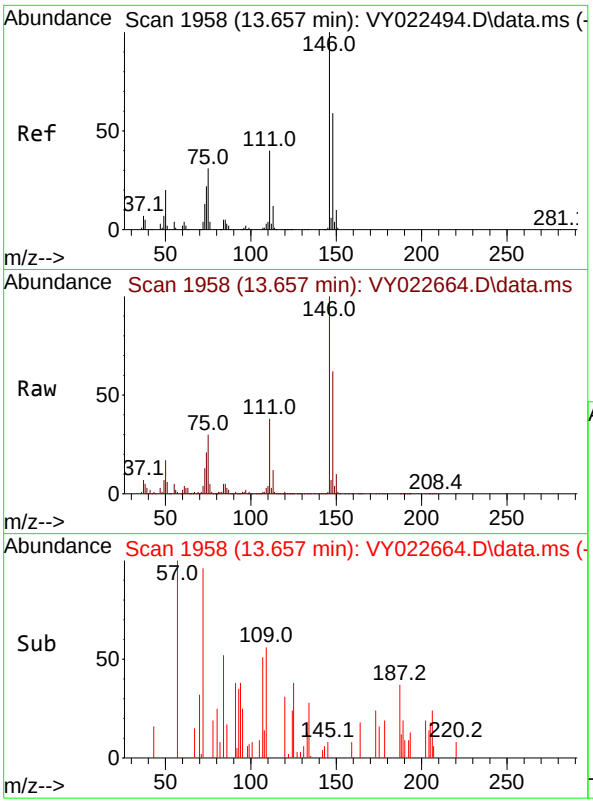


#90
Hexachloroethane
Concen: 50.740 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:117 Resp: 85386

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.0	102.0

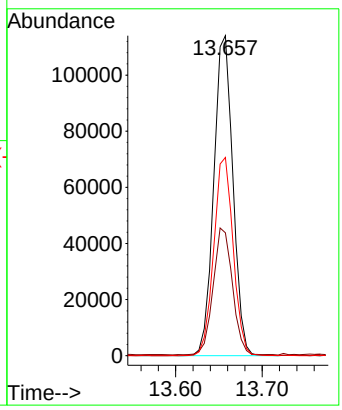




#91
1,2-Dichlorobenzene
Concen: 49.555 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:146 Resp: 17480

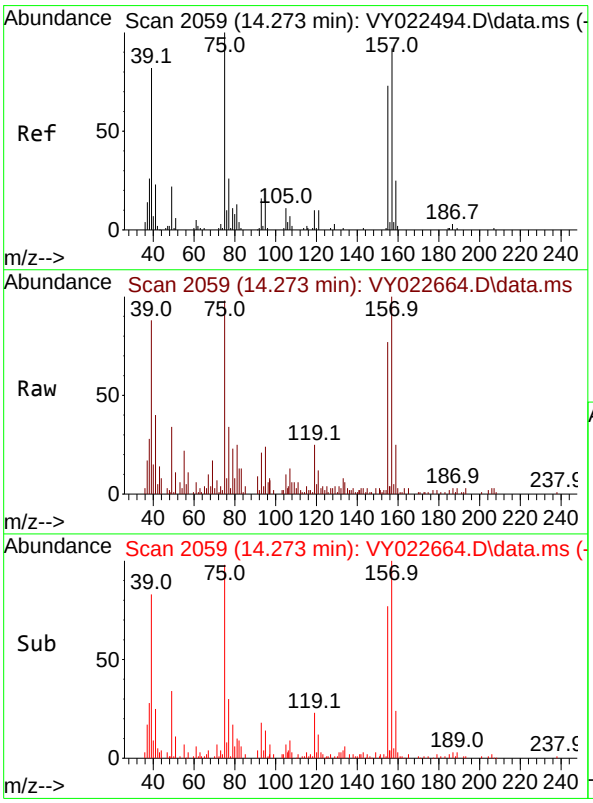
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	63.1	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

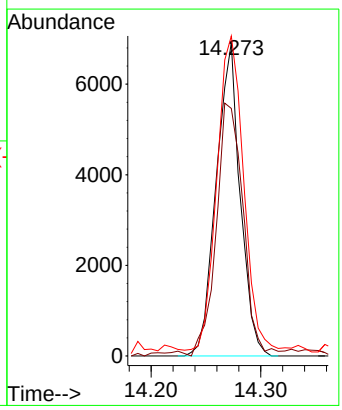
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

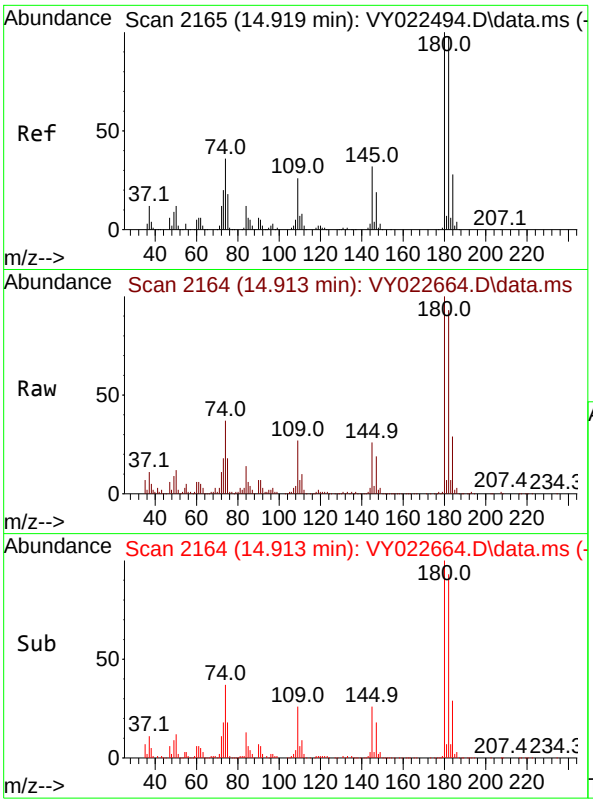


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.142 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 10482

Ion	Ratio	Lower	Upper
75	100		
155	88.5	39.9	119.6
157	111.3	54.0	162.0

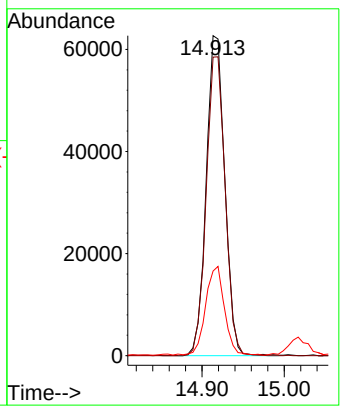




#93
1,2,4-Trichlorobenzene
Concen: 51.112 ug/l
RT: 14.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:180 Resp: 9833

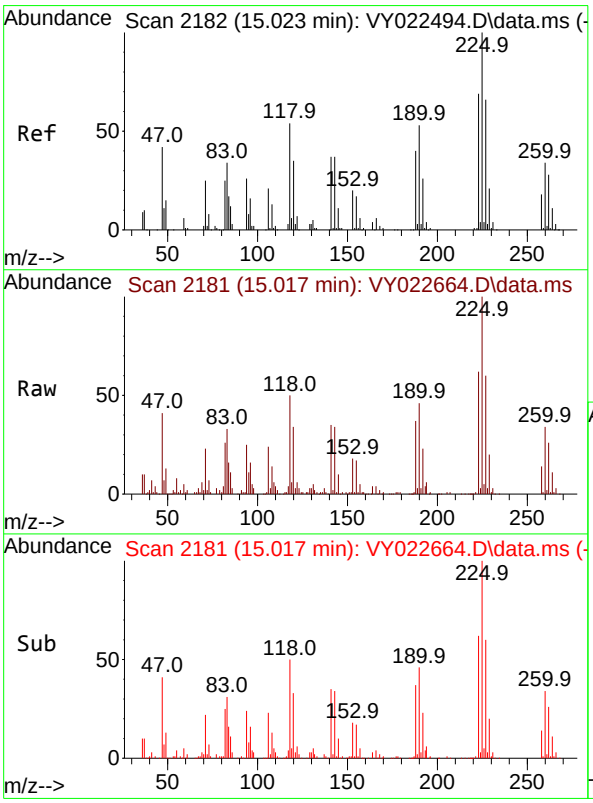
Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.3
145	28.2	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

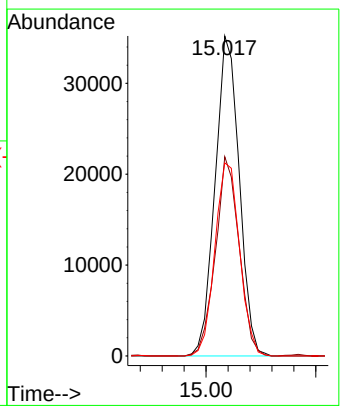
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

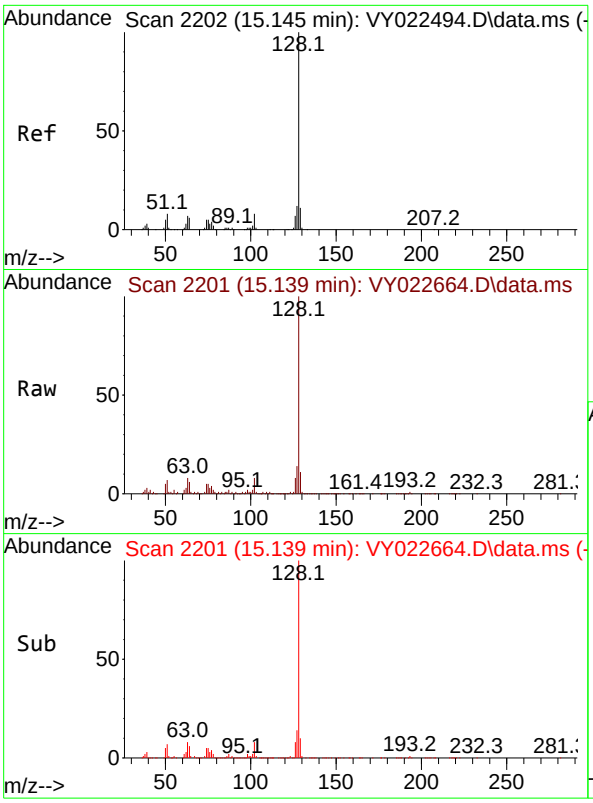


#94
Hexachlorobutadiene
Concen: 50.664 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:225 Resp: 53797

Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.5	97.4
227	61.9	32.3	96.9

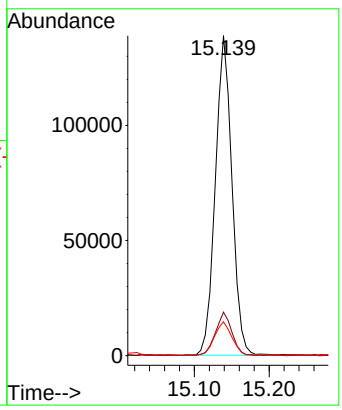




#95
Naphthalene
Concen: 58.089 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:128 Resp: 21446

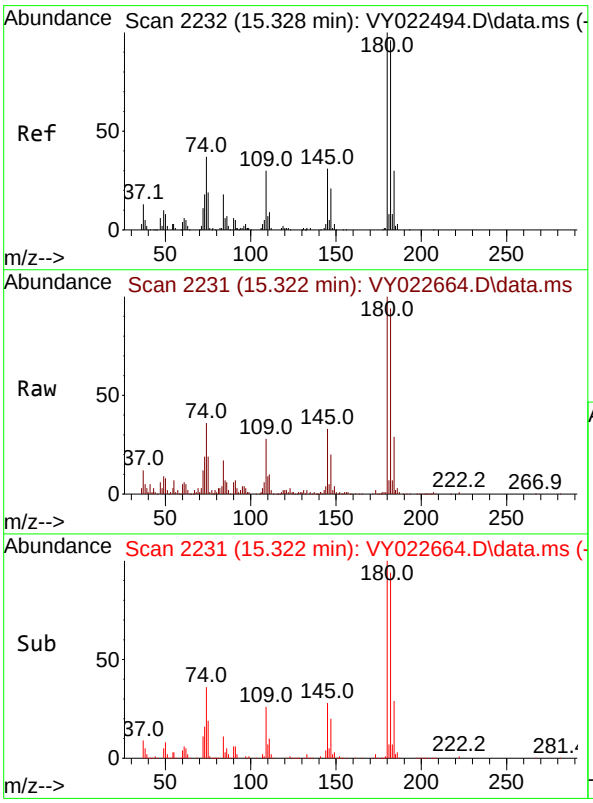
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

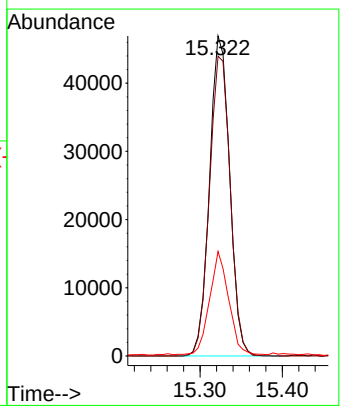
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.472 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:180 Resp: 79920

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.1	141.3
145	30.4	15.2	45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	83	0.00
2	T	Dichlorodifluoromethane	0.448	0.384	14.3	77	0.00
3	P	Chloromethane	1.322	1.072	18.9	72	0.00
4	C	Vinyl Chloride	1.534	1.698	-10.7#	94	0.00
5	T	Bromomethane	1.470	1.259	14.4	84	-0.01
6	T	Chloroethane	1.053	1.192	-13.2	103	-0.01
7	T	Trichlorofluoromethane	1.302	1.495	-14.8	102	-0.01
8	T	Diethyl Ether	0.293	0.263	10.2	75	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.521	5.1	81	-0.01
10	T	Methyl Iodide	0.594	0.606	-2.0	78	0.00
11	T	Tert butyl alcohol	0.040	0.036	10.0	77	-0.03
12	CM	1,1-Dichloroethene	0.524	0.523	0.2#	84	-0.02
13	T	Acrolein	0.050	0.020	60.0#	34#	-0.02
14	T	Allyl chloride	0.823	0.726	11.8	75	-0.01
15	T	Acrylonitrile	0.124	0.109	12.1	72	-0.01
16	T	Acetone	0.114	0.101	11.4	73	-0.02
17	T	Carbon Disulfide	1.679	1.519	9.5	76	-0.01
18	T	Methyl Acetate	0.336	0.304	9.5	76	-0.02
19	T	Methyl tert-butyl Ether	1.477	1.369	7.3	77	-0.02
20	T	Methylene Chloride	0.645	0.580	10.1	84	-0.02
21	T	trans-1,2-Dichloroethene	0.587	0.570	2.9	83	-0.01
22	T	Diisopropyl ether	1.832	1.663	9.2	76	-0.01
23	T	Vinyl Acetate	1.084	0.913	15.8	70	-0.01
24	P	1,1-Dichloroethane	1.079	1.064	1.4	83	-0.01
25	T	2-Butanone	0.164	0.143	12.8	71	-0.01
26	T	2,2-Dichloropropane	0.954	0.959	-0.5	84	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.684	-0.9	83	-0.01
28	T	Bromochloromethane	0.471	0.420	10.8	77	0.00
29	T	Tetrahydrofuran	0.106	0.089	16.0	71	-0.01
30	C	Chloroform	1.069	1.074	-0.5#	84	-0.01
31	T	Cyclohexane	1.075	0.915	14.9	75	-0.01
32	T	1,1,1-Trichloroethane	0.949	0.953	-0.4	84	-0.01
33	S	1,2-Dichloroethane-d4	0.559	0.505	9.7	71	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35	S	Dibromofluoromethane	0.298	0.296	0.7	76	0.00
36	T	1,1-Dichloropropene	0.484	0.485	-0.2	83	-0.01
37	T	Ethyl Acetate	0.216	0.187	13.4	68	-0.01
38	T	Carbon Tetrachloride	0.497	0.501	-0.8	82	0.00
39	T	Methylcyclohexane	0.651	0.611	6.1	77	0.00
40	TM	Benzene	1.431	1.469	-2.7	84	0.00
41	T	Methacrylonitrile	0.126	0.104	17.5	69	-0.01
42	TM	1,2-Dichloroethane	0.391	0.360	7.9	76	-0.01
43	T	Isopropyl Acetate	0.467	0.413	11.6	72	0.00
44	TM	Trichloroethene	0.350	0.382	-9.1	89	0.00
45	C	1,2-Dichloropropane	0.338	0.339	-0.3#	82	0.00
46	T	Dibromomethane	0.190	0.186	2.1	80	0.00
47	T	Bromodichloromethane	0.482	0.475	1.5	80	0.00
48	T	Methyl methacrylate	0.219	0.182	16.9	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	79	-0.02
50	S	Toluene-d8	1.206	1.224	-1.5	79	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.208	10.7	71	0.00
52	CM	Toluene	0.899	0.917	-2.0#	84	0.00
53	T	t-1,3-Dichloropropene	0.452	0.431	4.6	77	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.522	0.8	80	0.00
55	T	1,1,2-Trichloroethane	0.243	0.231	4.9	79	0.00
56	T	Ethyl methacrylate	0.351	0.335	4.6	76	0.00
57	T	1,3-Dichloropropane	0.430	0.413	4.0	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.158	0.6	82	0.00
59	T	2-Hexanone	0.156	0.140	10.3	72	0.00
60	T	Dibromochloromethane	0.308	0.297	3.6	78	0.00
61	T	1,2-Dibromoethane	0.221	0.214	3.2	80	0.00
62	S	4-Bromofluorobenzene	0.359	0.360	-0.3	80	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.430	0.550	-27.9#	104	0.00
65	PM	Chlorobenzene	1.106	1.150	-4.0	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.381	-2.1	83	0.00
67	C	Ethyl Benzene	2.052	2.110	-2.8#	83	0.00
68	T	m/p-Xylenes	0.778	0.813	-4.5	85	0.00
69	T	o-Xylene	0.729	0.772	-5.9	87	0.00
70	T	Styrene	1.206	1.264	-4.8	84	0.00
71	P	Bromoform	0.198	0.192	3.0	79	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	4.105	4.122	-0.4	85	0.00
74	T	N-amyl acetate	1.036	0.919	11.3	73	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.518	23.1	64	0.00
76	T	1,2,3-Trichloropropane	0.572	0.509	11.0	69	0.00
77	T	Bromobenzene	0.866	0.866	0.0	85	0.00
78	T	n-propylbenzene	5.014	5.001	0.3	84	0.00
79	T	2-Chlorotoluene	2.657	2.618	1.5	83	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.226	-0.1	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.196	17.3	71	0.00
82	T	4-Chlorotoluene	2.741	2.653	3.2	81	0.00
83	T	tert-Butylbenzene	2.893	2.973	-2.8	87	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.209	0.4	85	0.00
85	T	sec-Butylbenzene	4.430	4.454	-0.5	85	0.00
86	T	p-Isopropyltoluene	3.652	3.731	-2.2	87	0.00
87	T	1,3-Dichlorobenzene	1.755	1.775	-1.1	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.670	1.9	83	0.00
89	T	n-Butylbenzene	3.464	3.506	-1.2	84	0.00
90	T	Hexachloroethane	0.711	0.721	-1.4	85	0.00
91	T	1,2-Dichlorobenzene	1.490	1.477	0.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.089	9.2	71	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.831	-2.2	86	0.00
94	T	Hexachlorobutadiene	0.449	0.455	-1.3	86	0.00
95	T	Naphthalene	1.560	1.812	-16.2	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	0.697	0.675	3.2	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	83	0.00
2	T	Dichlorodifluoromethane	50.000	42.934	14.1	77	0.00
3	P	Chloromethane	50.000	40.542	18.9	72	0.00
4	C	Vinyl Chloride	50.000	55.348	-10.7#	94	0.00
5	T	Bromomethane	50.000	42.795	14.4	84	-0.01
6	T	Chloroethane	50.000	56.588	-13.2	103	-0.01
7	T	Trichlorofluoromethane	50.000	57.379	-14.8	102	-0.01
8	T	Diethyl Ether	50.000	44.860	10.3	75	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.481	5.0	81	-0.01
10	T	Methyl Iodide	50.000	51.004	-2.0	78	0.00
11	T	Tert butyl alcohol	250.000	227.964	8.8	77	-0.03
12	CM	1,1-Dichloroethene	50.000	49.887	0.2#	84	-0.02
13	T	Acrolein	250.000	98.468	60.6#	34	-0.02
14	T	Allyl chloride	50.000	44.108	11.8	75	-0.01
15	T	Acrylonitrile	250.000	219.381	12.2	72	-0.01
16	T	Acetone	250.000	223.295	10.7	73	-0.02
17	T	Carbon Disulfide	50.000	45.254	9.5	76	-0.01
18	T	Methyl Acetate	50.000	45.242	9.5	76	-0.02
19	T	Methyl tert-butyl Ether	50.000	46.344	7.3	77	-0.02
20	T	Methylene Chloride	50.000	44.947	10.1	84	-0.02
21	T	trans-1,2-Dichloroethene	50.000	48.528	2.9	83	-0.01
22	T	Diisopropyl ether	50.000	45.396	9.2	76	-0.01
23	T	Vinyl Acetate	250.000	210.554	15.8	70	-0.01
24	P	1,1-Dichloroethane	50.000	49.271	1.5	83	-0.01
25	T	2-Butanone	250.000	218.612	12.6	71	-0.01
26	T	2,2-Dichloropropane	50.000	50.298	-0.6	84	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.429	-0.9	83	-0.01
28	T	Bromochloromethane	50.000	44.621	10.8	77	0.00
29	T	Tetrahydrofuran	250.000	210.910	15.6	71	-0.01
30	C	Chloroform	50.000	50.234	-0.5#	84	-0.01
31	T	Cyclohexane	50.000	42.579	14.8	75	-0.01
32	T	1,1,1-Trichloroethane	50.000	50.229	-0.5	84	-0.01
33	S	1,2-Dichloroethane-d4	50.000	45.131	9.7	71	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35	S	Dibromofluoromethane	50.000	49.517	1.0	76	0.00
36	T	1,1-Dichloropropene	50.000	50.076	-0.2	83	-0.01
37	T	Ethyl Acetate	50.000	43.311	13.4	68	-0.01
38	T	Carbon Tetrachloride	50.000	50.408	-0.8	82	0.00
39	T	Methylcyclohexane	50.000	46.938	6.1	77	0.00
40	TM	Benzene	50.000	51.354	-2.7	84	0.00
41	T	Methacrylonitrile	50.000	41.292	17.4	69	-0.01
42	TM	1,2-Dichloroethane	50.000	46.095	7.8	76	-0.01
43	T	Isopropyl Acetate	50.000	44.305	11.4	72	0.00
44	TM	Trichloroethene	50.000	54.584	-9.2	89	0.00
45	C	1,2-Dichloropropane	50.000	50.184	-0.4#	82	0.00
46	T	Dibromomethane	50.000	48.978	2.0	80	0.00
47	T	Bromodichloromethane	50.000	49.246	1.5	80	0.00
48	T	Methyl methacrylate	50.000	41.507	17.0	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	930.584	6.9	79	-0.02
50	S	Toluene-d8	50.000	50.745	-1.5	79	0.00
51	T	4-Methyl-2-Pentanone	250.000	223.486	10.6	71	0.00
52	CM	Toluene	50.000	51.024	-2.0#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	47.738	4.5	77	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.616	0.8	80	0.00
55	T	1,1,2-Trichloroethane	50.000	47.632	4.7	79	0.00
56	T	Ethyl methacrylate	50.000	47.764	4.5	76	0.00
57	T	1,3-Dichloropropane	50.000	48.090	3.8	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	248.382	0.6	82	0.00
59	T	2-Hexanone	250.000	224.569	10.2	72	0.00
60	T	Dibromochloromethane	50.000	48.149	3.7	78	0.00
61	T	1,2-Dibromoethane	50.000	48.421	3.2	80	0.00
62	S	4-Bromofluorobenzene	50.000	50.044	-0.1	80	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	63.928	-27.9#	104	0.00
65	PM	Chlorobenzene	50.000	51.989	-4.0	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.056	-2.1	83	0.00
67	C	Ethyl Benzene	50.000	51.398	-2.8#	83	0.00
68	T	m/p-Xylenes	100.000	104.498	-4.5	85	0.00
69	T	o-Xylene	50.000	52.894	-5.8	87	0.00
70	T	Styrene	50.000	52.424	-4.8	84	0.00
71	P	Bromoform	50.000	48.333	3.3	79	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	50.210	-0.4	85	0.00
74	T	N-amyl acetate	50.000	44.340	11.3	73	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	38.413	23.2	64	0.00
76	T	1,2,3-Trichloropropane	50.000	44.507	11.0	69	0.00
77	T	Bromobenzene	50.000	50.011	-0.0	85	0.00
78	T	n-propylbenzene	50.000	49.873	0.3	84	0.00
79	T	2-Chlorotoluene	50.000	49.256	1.5	83	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	41.290	17.4	71	0.00
82	T	4-Chlorotoluene	50.000	48.391	3.2	81	0.00
83	T	tert-Butylbenzene	50.000	51.390	-2.8	87	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.775	0.5	85	0.00
85	T	sec-Butylbenzene	50.000	50.277	-0.6	85	0.00
86	T	p-Isopropyltoluene	50.000	51.086	-2.2	87	0.00
87	T	1,3-Dichlorobenzene	50.000	50.570	-1.1	87	0.00
88	T	1,4-Dichlorobenzene	50.000	49.053	1.9	83	0.00
89	T	n-Butylbenzene	50.000	50.596	-1.2	84	0.00
90	T	Hexachloroethane	50.000	50.740	-1.5	85	0.00
91	T	1,2-Dichlorobenzene	50.000	49.555	0.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.142	9.7	71	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.112	-2.2	86	0.00
94	T	Hexachlorobutadiene	50.000	50.664	-1.3	86	0.00
95	T	Naphthalene	50.000	58.089	-16.2	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	48.472	3.1	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

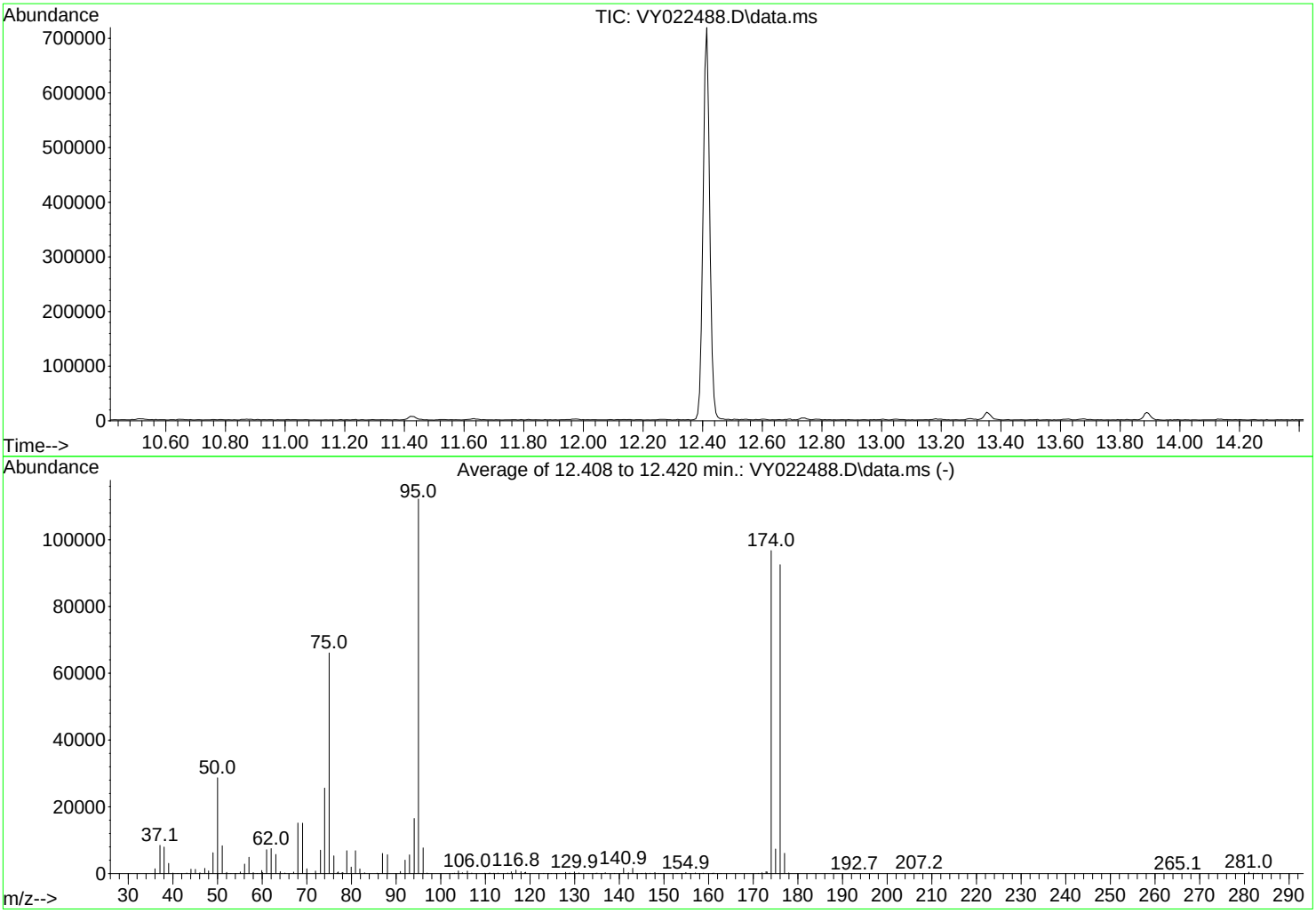
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022488.D
Acq On : 02 Jun 2025 08:31
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\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

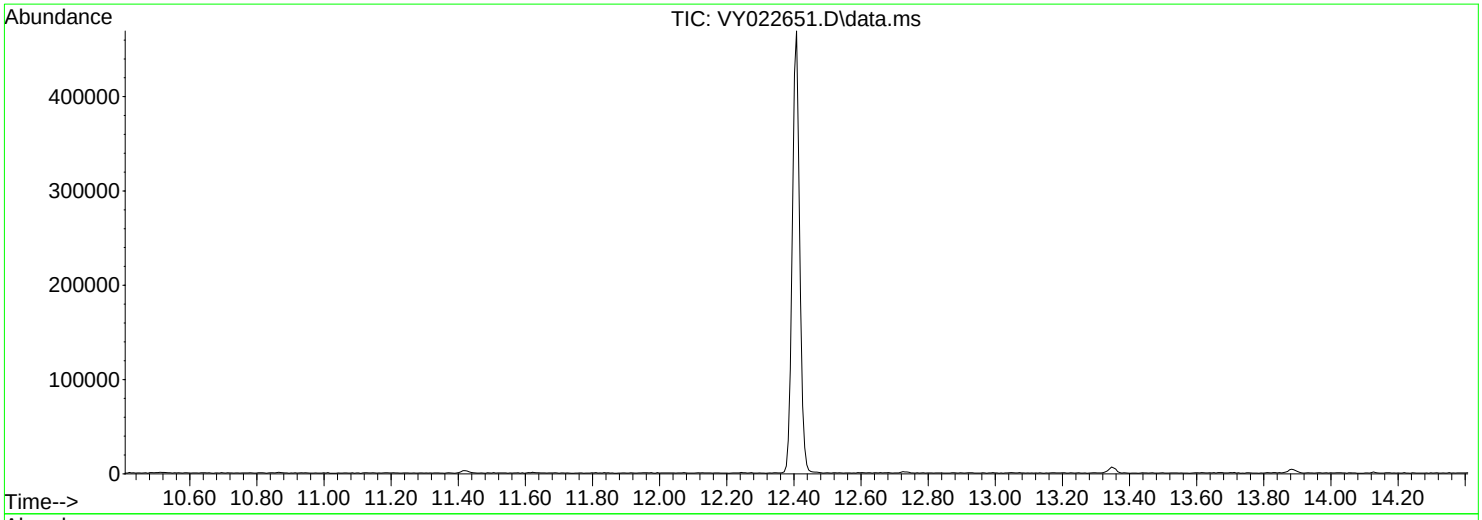
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

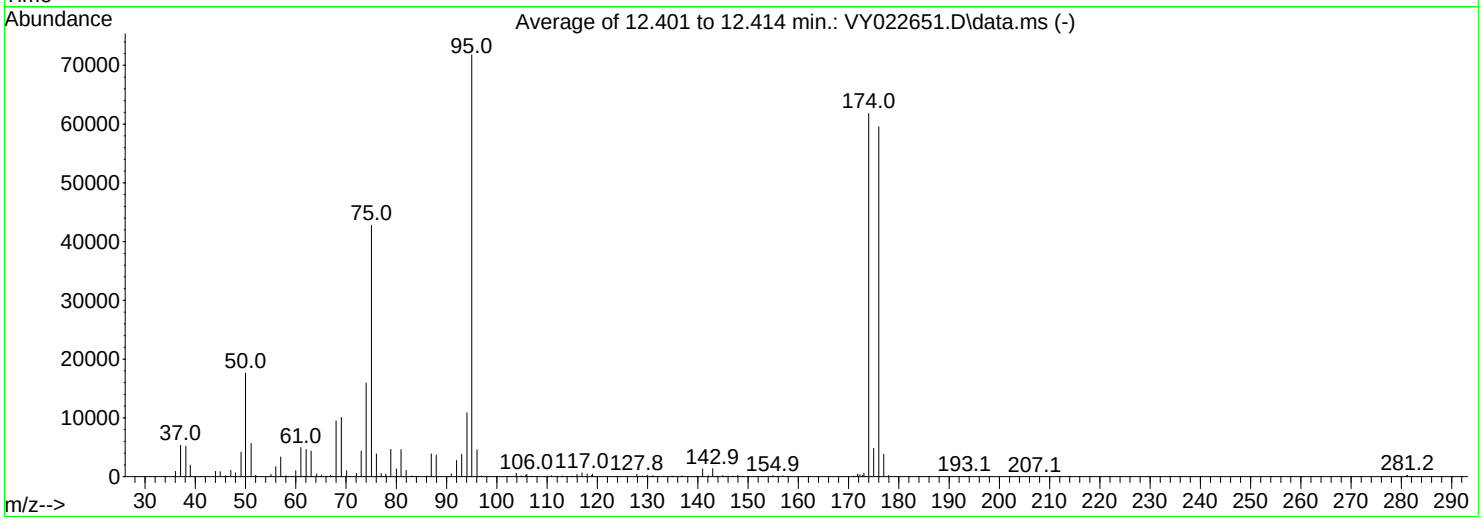
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022651.D
Acq On : 11 Jun 2025 09:22
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 10 15:26:14 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	17654	PASS
75	95	30	60	59.6	42768	PASS
95	95	100	100	100.0	71789	PASS
96	95	5	9	6.4	4589	PASS
173	174	0.00	2	1.0	605	PASS
174	95	50	100	86.1	61819	PASS
175	174	5	9	7.8	4802	PASS
176	174	95	101	96.3	59552	PASS
177	176	5	9	6.4	3824	PASS

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0611SBL01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022653.D	1		06/11/25 10:30	VY061125

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:	VY0611SBL01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022653.D	1		06/11/25 10:30	VY061125

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0611SBL01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022653.D	1		06/11/25 10:30	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.4		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.0		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	7.707				
540-36-3	1,4-Difluorobenzene	308000	8.616				
3114-55-4	Chlorobenzene-d5	246000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	84300	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\VY061125\
Data File : VY022653.D
Acq On : 11 Jun 2025 10:30
Operator : SY/MD
Sample : VY0611SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBL01

Quant Time: Jun 12 05:03:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	167932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	245642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	84338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90855	48.373	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.740%			
35) Dibromofluoromethane	7.634	113	93125	50.619	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.240%			
50) Toluene-d8	10.109	98	371516	49.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.408	95	87668	39.582	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.160%			

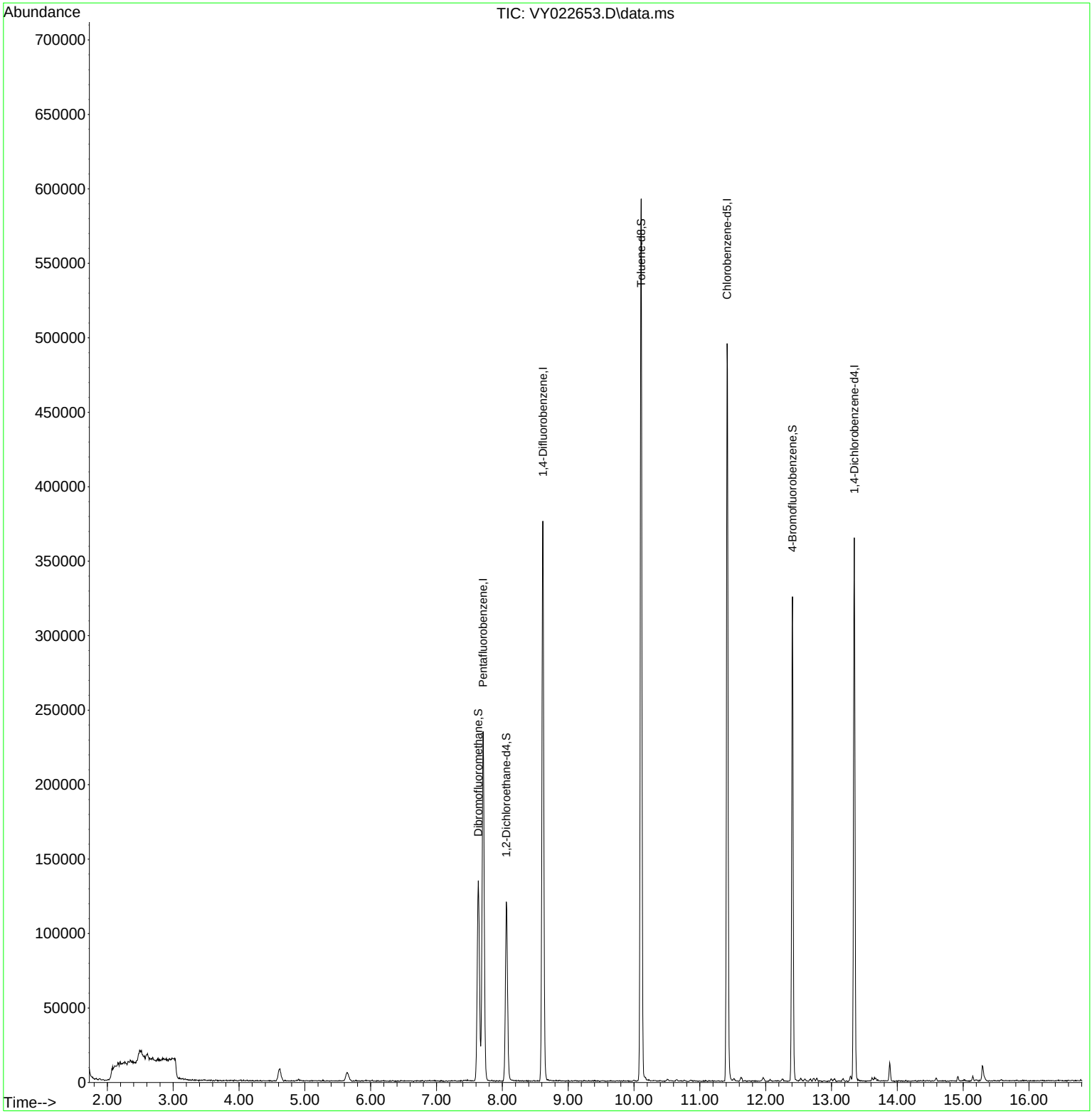
Target Compounds Qvalue

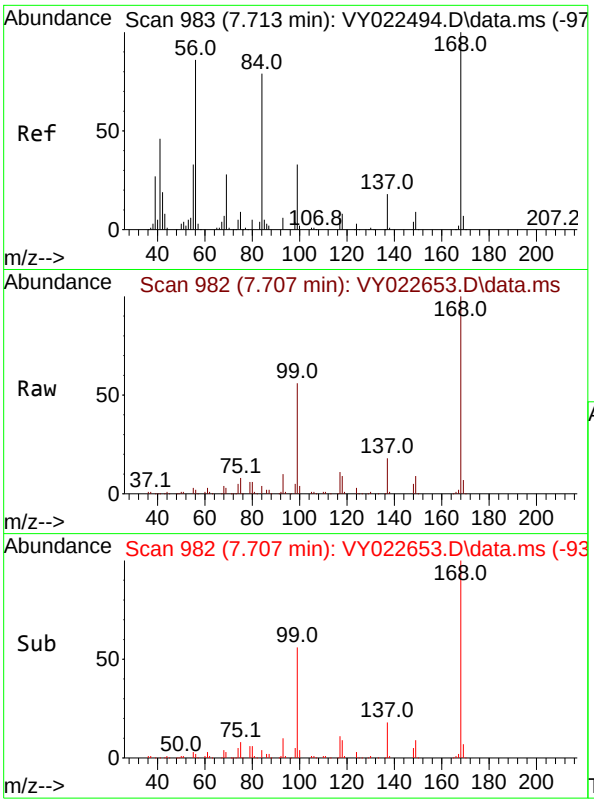
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022653.D
Acq On : 11 Jun 2025 10:30
Operator : SY/MD
Sample : VY0611SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBL01

Quant Time: Jun 12 05:03:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



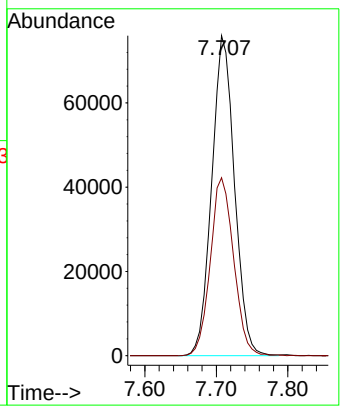


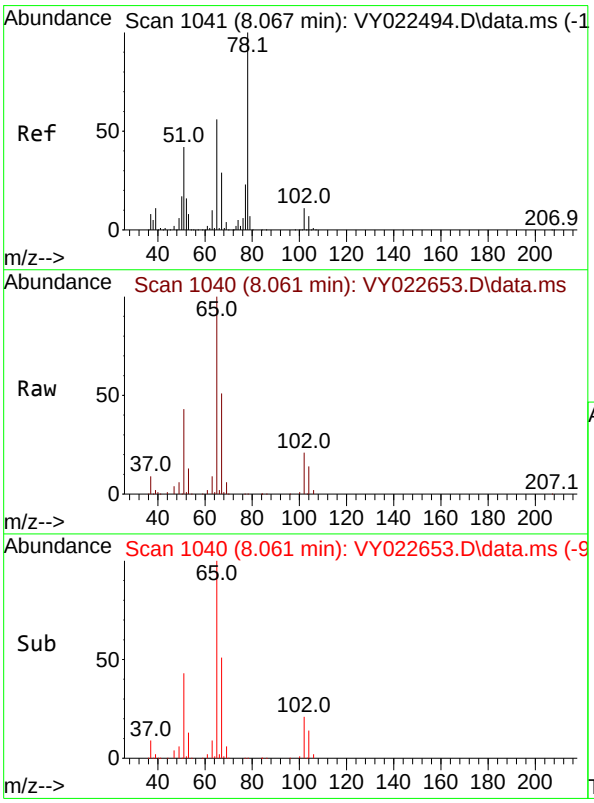
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBL01

Tgt Ion:168 Resp: 167932

Ion	Ratio	Lower	Upper
168	100		
99	55.6	44.3	66.5

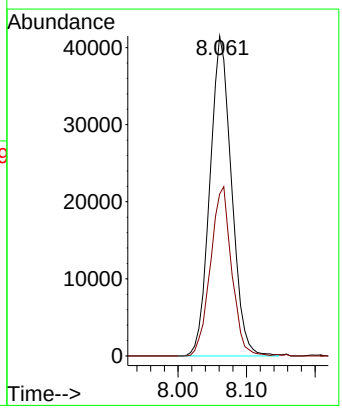


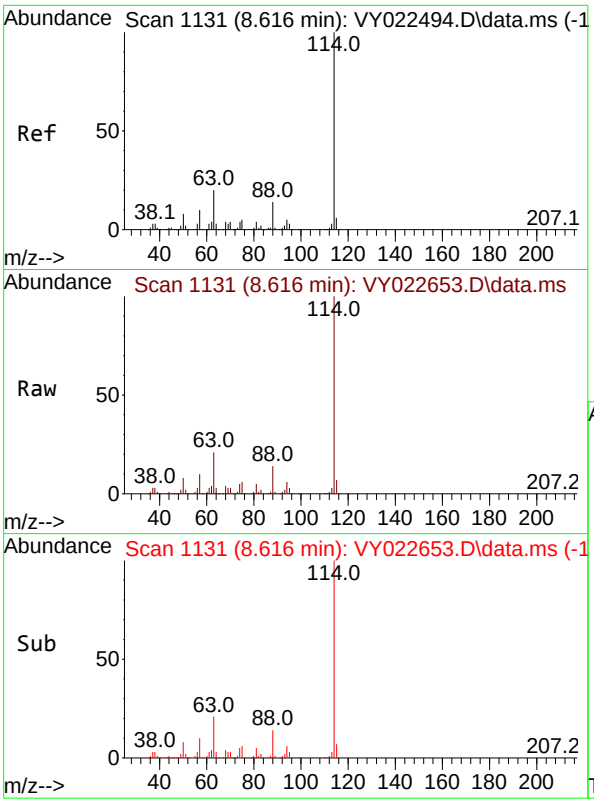


#33
1,2-Dichloroethane-d4
Concen: 48.373 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Tgt Ion: 65 Resp: 90855

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4



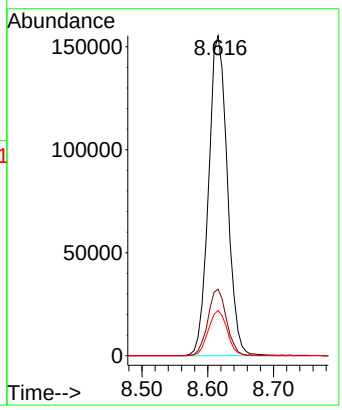


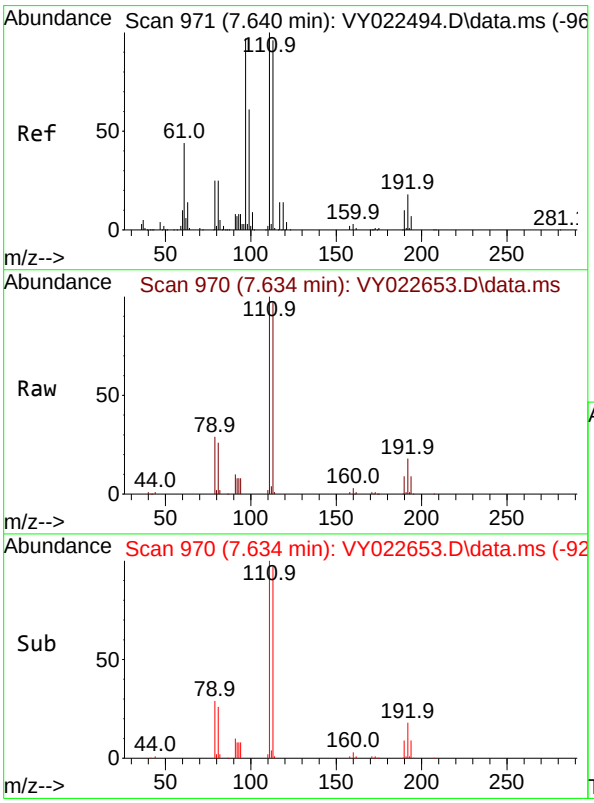
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBL01

Tgt Ion:114 Resp: 308222

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	14.1	0.0	27.8

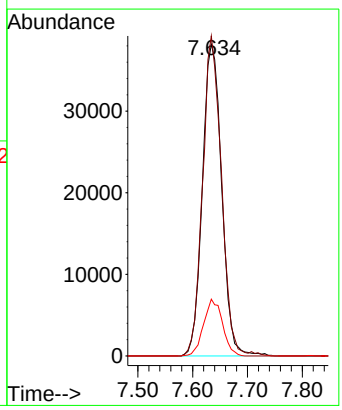


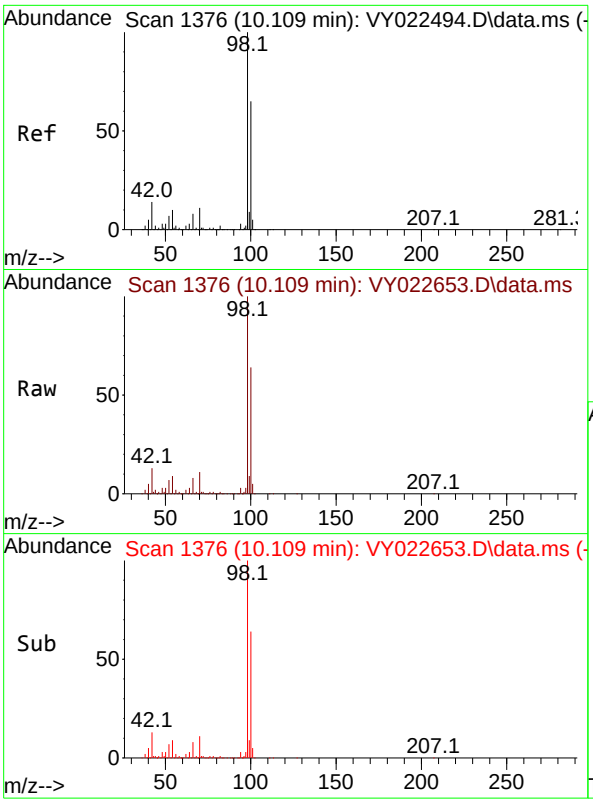


#35
Dibromofluoromethane
Concen: 50.619 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Tgt Ion:113 Resp: 93125

Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.1	121.7
192	17.9	14.2	21.2



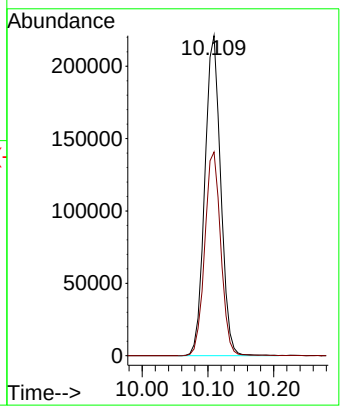


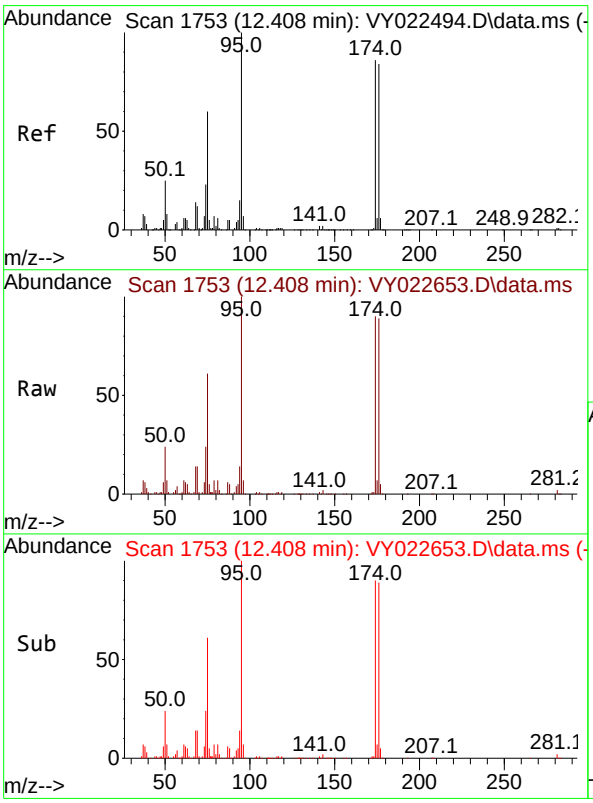
#50
Toluene-d8
Concen: 49.978 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBL01

Tgt Ion: 98 Resp: 371516

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

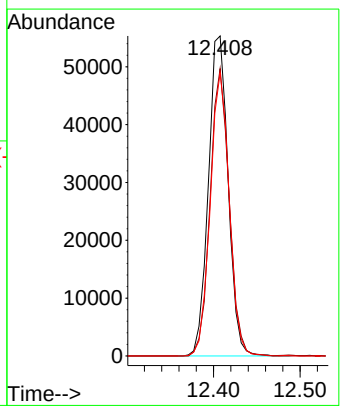


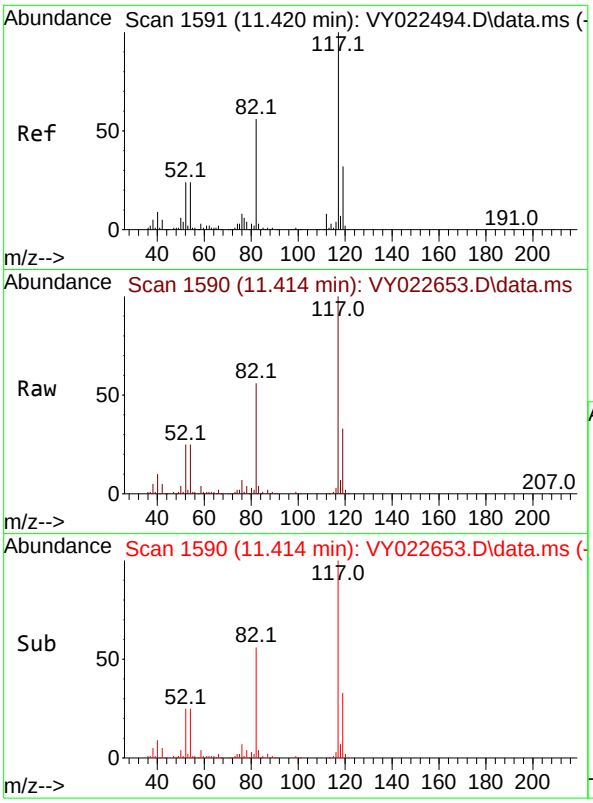


#62
4-Bromofluorobenzene
Concen: 39.582 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Tgt Ion: 95 Resp: 87668

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	170.0
176	85.4	0.0	166.2



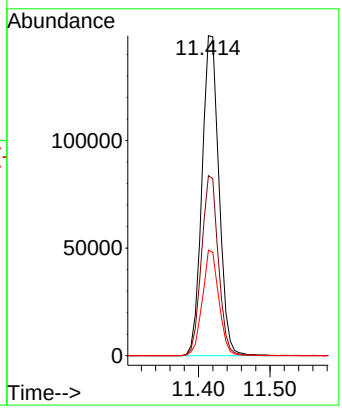


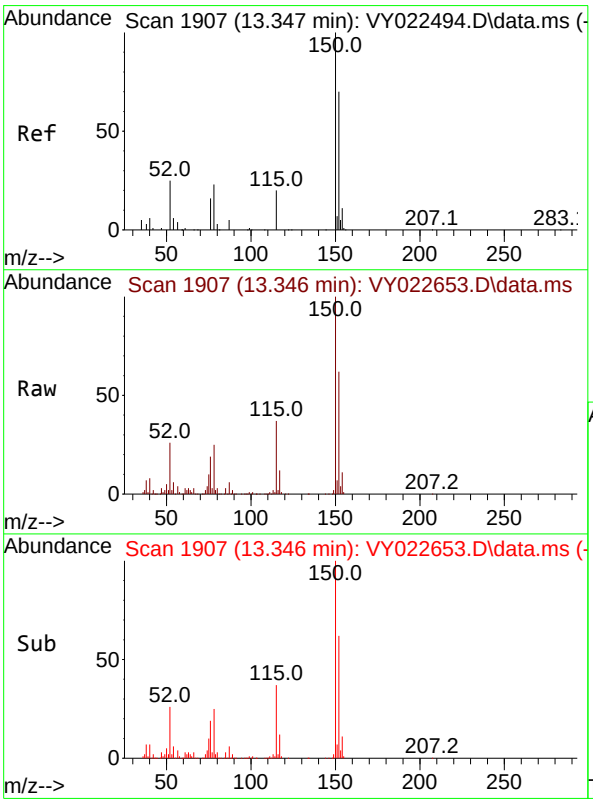
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBL01

Tgt Ion:117 Resp: 245642

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	66.8
119	33.0	25.4	38.0

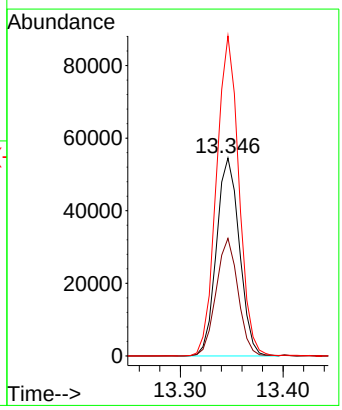




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022653.D
Acq: 11 Jun 2025 10:30

Tgt Ion:152 Resp: 84338

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	158.2	0.0	349.6



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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0611SBS01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022654.D	1		06/11/25 11:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.022		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.023		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.023		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.024		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	0.024		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	0.022		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.098		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.14		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	0.023		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.022		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.12		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	0.022		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.022		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.022		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.022		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.022		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.022		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.022		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	0.093		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:	VY0611SBS01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022654.D	1		06/11/25 11:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.10		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.025		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.022		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	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.018		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.021		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	0.021		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	0.021		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.020		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0611SBS01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022654.D	1		06/11/25 11:01	VY061125

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	0.020		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	0.021		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.023		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.9		85 - 116		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.707				
540-36-3	1,4-Difluorobenzene	263000	8.616				
3114-55-4	Chlorobenzene-d5	219000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	105000	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\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	154377	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263261	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	218934	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105447	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	90043	52.150 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.300%		
35) Dibromofluoromethane	7.634	113	83823	53.345 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%		
50) Toluene-d8	10.103	98	341908	53.850 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.700%		
62) 4-Bromofluorobenzene	12.408	95	96721	51.128 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.260%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	30354	21.962 ug/l	97
3) Chloromethane	2.068	50	78092	19.125 ug/l	100
4) Vinyl Chloride	2.202	62	107977	22.795 ug/l	97
5) Bromomethane	2.592	94	102939	22.674 ug/l	96
6) Chloroethane	2.732	64	78962	24.287 ug/l	94
7) Trichlorofluoromethane	3.050	101	97294	24.195 ug/l	100
8) Diethyl Ether	3.458	74	18737	20.690 ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	37387	22.075 ug/l	99
10) Methyl Iodide	4.007	142	34979	19.085 ug/l	99
11) Tert butyl alcohol	4.872	59	11478	93.074 ug/l	95
12) 1,1-Dichloroethene	3.793	96	34837	21.519 ug/l	98
13) Acrolein	3.653	56	11458	74.553 ug/l	100
14) Allyl chloride	4.385	41	50615	19.916 ug/l	99
15) Acrylonitrile	5.055	53	37482	97.728 ug/l	99
16) Acetone	3.873	43	50425	143.804 ug/l	98
17) Carbon Disulfide	4.110	76	105733	20.400 ug/l	98
18) Methyl Acetate	4.391	43	19500	18.779 ug/l	99
19) Methyl tert-butyl Ether	5.116	73	89130	19.547 ug/l	97
20) Methylene Chloride	4.616	84	44974	22.579 ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	39120	21.591 ug/l	84
22) Diisopropyl ether	6.018	45	116438	20.583 ug/l	94
23) Vinyl Acetate	5.964	43	319453	95.409 ug/l	99
24) 1,1-Dichloroethane	5.915	63	71477	21.448 ug/l	99
25) 2-Butanone	6.896	43	59179	117.002 ug/l	100
26) 2,2-Dichloropropane	6.890	77	64822	22.014 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	45115	21.542 ug/l	99
28) Bromochloromethane	7.244	49	29937	20.607 ug/l	100
29) Tetrahydrofuran	7.268	42	30329	92.970 ug/l	98
30) Chloroform	7.421	83	73510	22.269 ug/l	97
31) Cyclohexane	7.701	56	65893	19.860 ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	65077	22.208 ug/l	99
36) 1,1-Dichloropropene	7.835	75	54754	21.470 ug/l	99
37) Ethyl Acetate	6.988	43	22158m	19.483 ug/l	
38) Carbon Tetrachloride	7.817	117	55534	21.227 ug/l	99
39) Methylcyclohexane	9.109	83	68109	19.873 ug/l	98
40) Benzene	8.079	78	159964	21.236 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	12140	18.275	ug/l		95
42) 1,2-Dichloroethane	8.158	62	43385	21.094	ug/l		97
43) Isopropyl Acetate	8.201	43	45086	18.355	ug/l		99
44) Trichloroethene	8.866	130	41172	22.364	ug/l		98
45) 1,2-Dichloropropane	9.140	63	38468	21.609	ug/l		99
46) Dibromomethane	9.231	93	21136	21.104	ug/l		99
47) Bromodichloromethane	9.420	83	54018	21.271	ug/l		98
48) Methyl methacrylate	9.219	41	21337	18.509	ug/l		96
49) 1,4-Dioxane	9.231	88	4404	371.176	ug/l	#	85
51) 4-Methyl-2-Pentanone	9.999	43	114346	93.372	ug/l		99
52) Toluene	10.170	92	99726	21.067	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	47853	20.111	ug/l		93
54) cis-1,3-Dichloropropene	9.859	75	56976	20.571	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	26608	20.835	ug/l		97
56) Ethyl methacrylate	10.438	69	33681	18.248	ug/l		98
57) 1,3-Dichloropropane	10.719	76	46820	20.685	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	81714	97.509	ug/l		99
59) 2-Hexanone	10.762	43	85059	103.855	ug/l		99
60) Dibromochloromethane	10.914	129	32871	20.254	ug/l		99
61) 1,2-Dibromoethane	11.018	107	23589	20.266	ug/l		99
64) Tetrachloroethene	10.646	164	46718	24.806	ug/l		96
65) Chlorobenzene	11.438	112	104666	21.604	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	34342	21.042	ug/l		99
67) Ethyl Benzene	11.517	91	185737	20.670	ug/l		97
68) m/p-Xylenes	11.627	106	143316	42.072	ug/l		98
69) o-Xylene	11.956	106	66721	20.891	ug/l		100
70) Styrene	11.969	104	106861	20.241	ug/l		99
71) Bromoform	12.133	173	16640	19.160	ug/l	#	100
73) Isopropylbenzene	12.255	105	174297	20.133	ug/l		100
74) N-amyl acetate	12.072	43	38545	17.646	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	25003	17.597	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	21166m	17.545	ug/l		
77) Bromobenzene	12.530	156	37602	20.583	ug/l		97
78) n-propylbenzene	12.597	91	215383	20.369	ug/l		99
79) 2-Chlorotoluene	12.676	91	112124	20.007	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	139655	20.548	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	8871	17.758	ug/l		98
82) 4-Chlorotoluene	12.779	91	116584	20.166	ug/l		98
83) tert-Butylbenzene	12.999	119	124991	20.490	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	137643	20.248	ug/l		99
85) sec-Butylbenzene	13.176	105	192733	20.630	ug/l		100
86) p-Isopropyltoluene	13.292	119	155523	20.196	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	75686	20.448	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	73268	20.409	ug/l		98
89) n-Butylbenzene	13.615	91	151386	20.720	ug/l		99
90) Hexachloroethane	13.877	117	30995	20.674	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	63879	20.327	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3788	18.311	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	36161	21.098	ug/l		98
94) Hexachlorobutadiene	15.023	225	21601	22.834	ug/l		95
95) Naphthalene	15.145	128	62008	18.852	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	30902	21.038	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

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\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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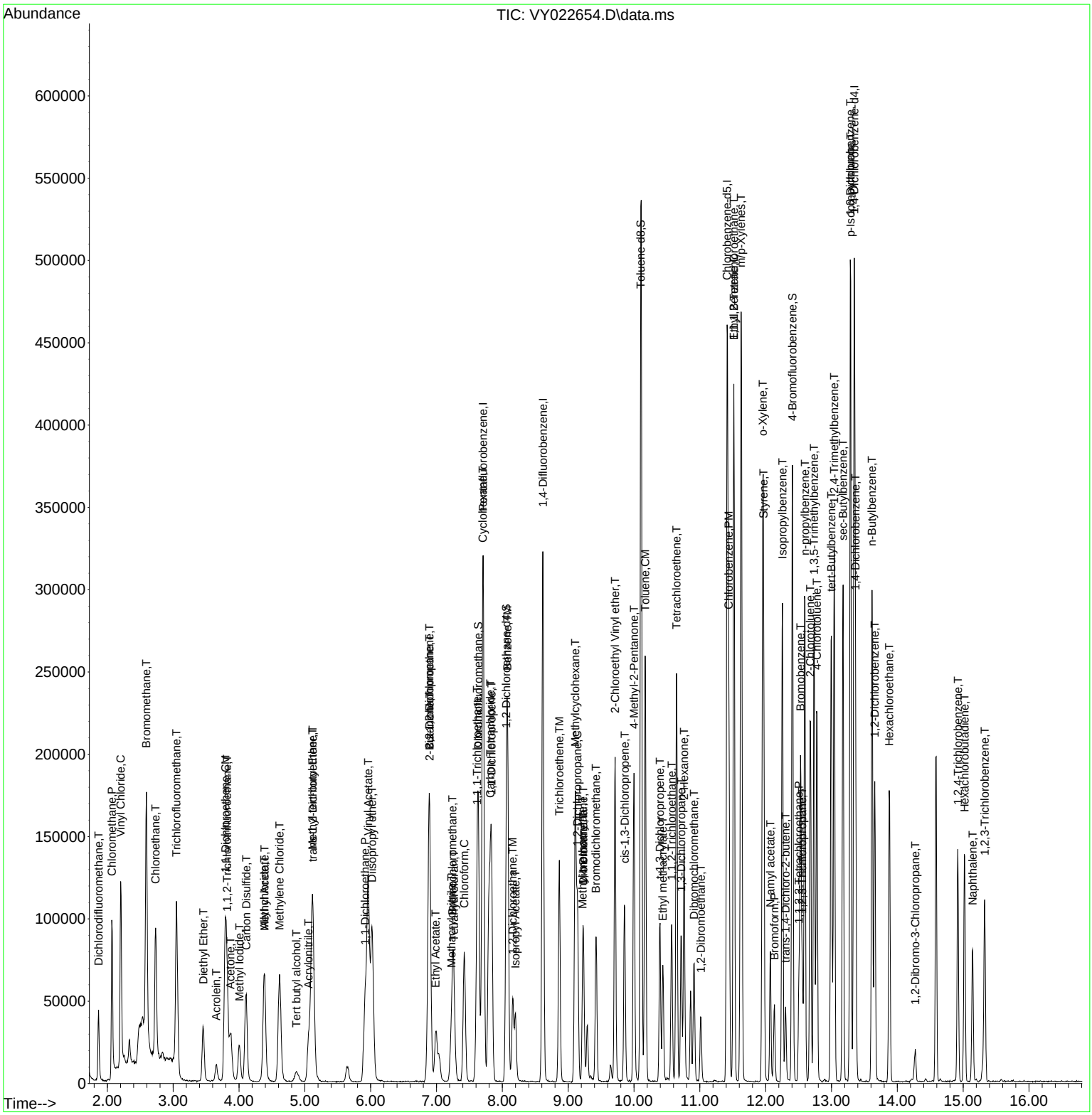

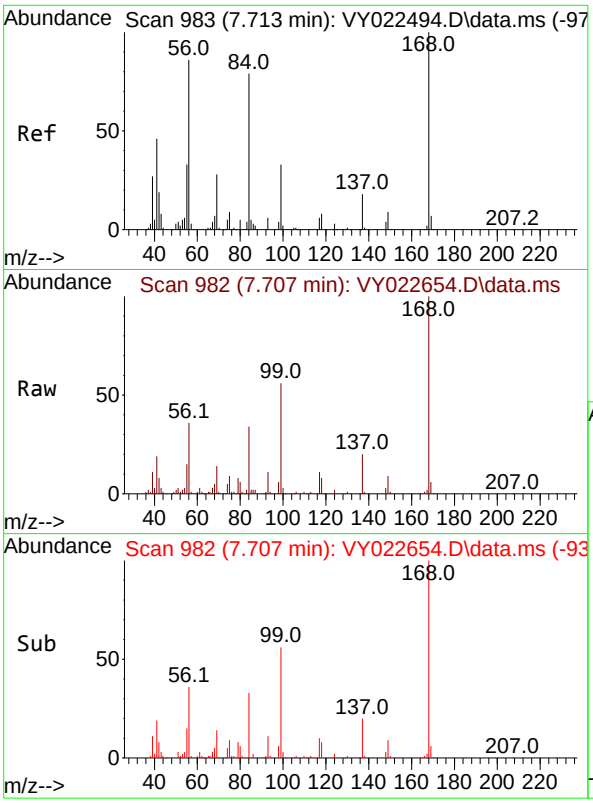

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:168 Resp: 15437

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
APPROVED

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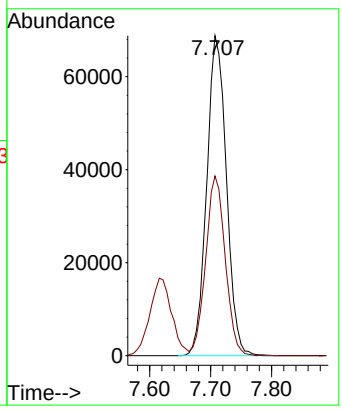
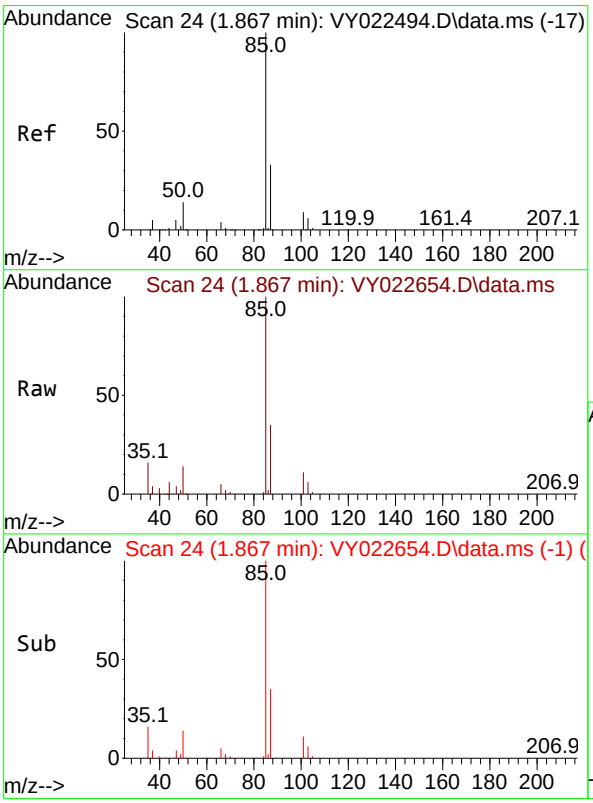
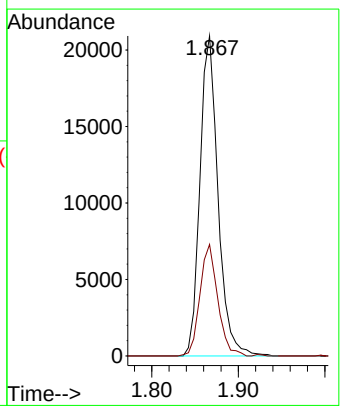


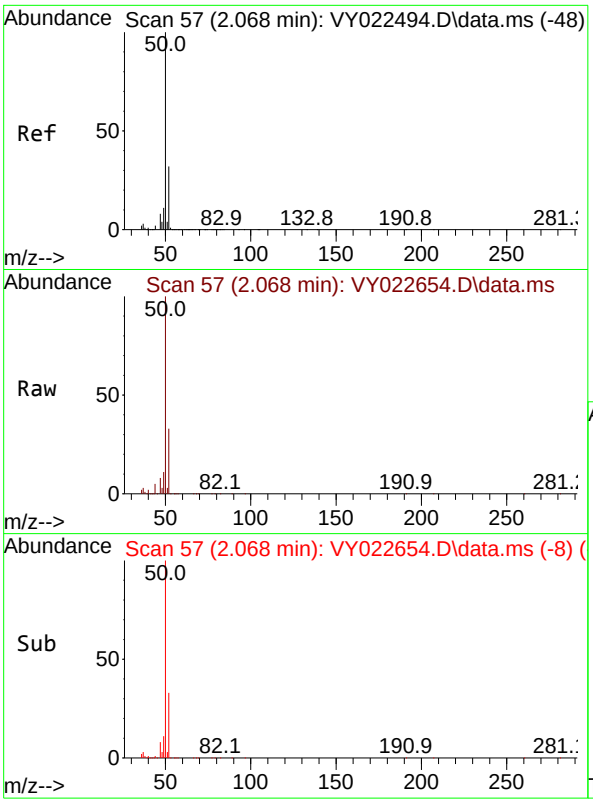


#2
Dichlorodifluoromethane
Concen: 21.962 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 85 Resp: 30354

Ion	Ratio	Lower	Upper
85	100		
87	34.9	16.7	50.0

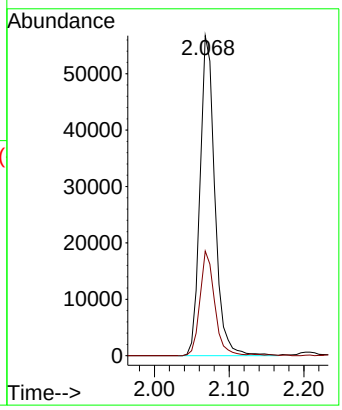




#3
Chloromethane
Concen: 19.125 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 50 Resp: 7809

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
APPROVED

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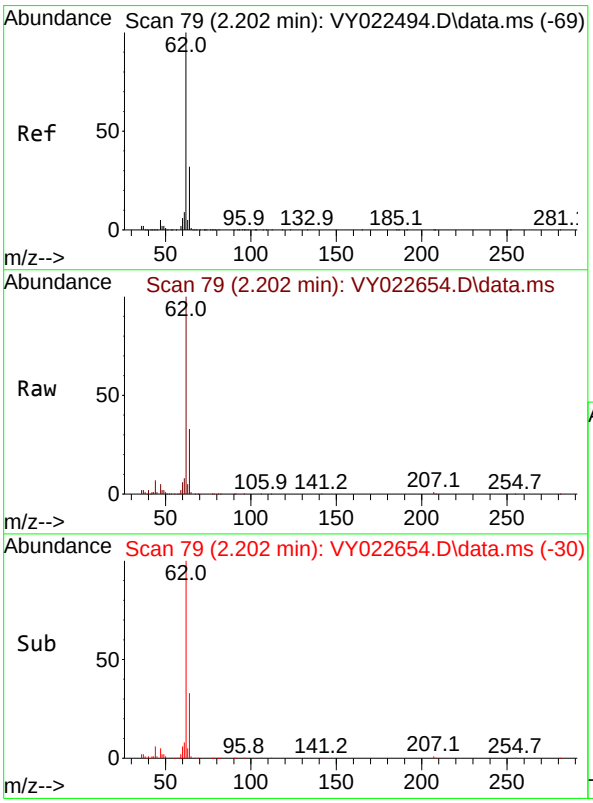
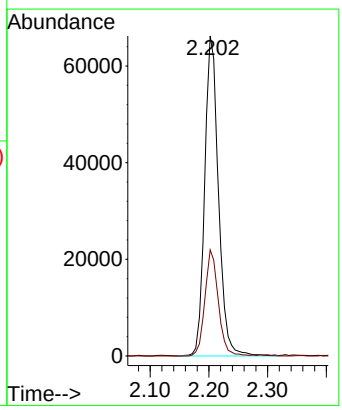
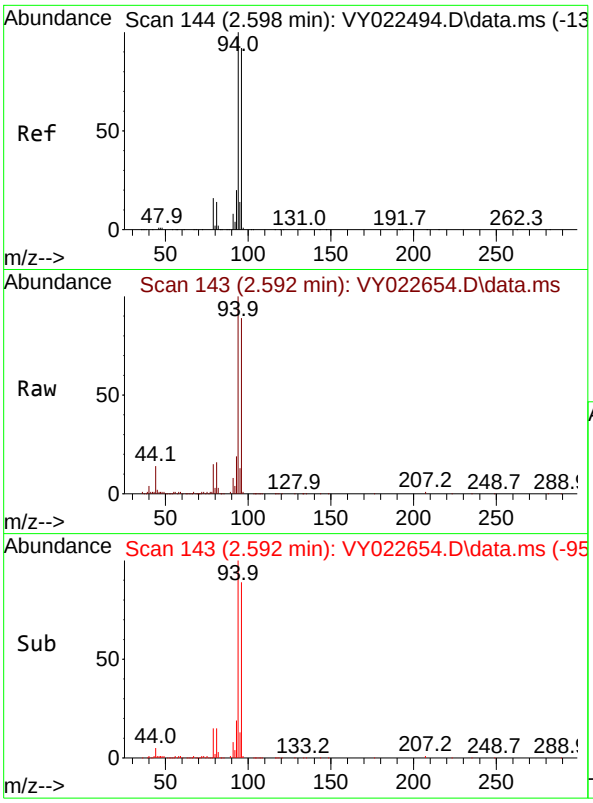


#4
Vinyl Chloride
Concen: 22.795 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 62 Resp: 107977

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.3	37.9

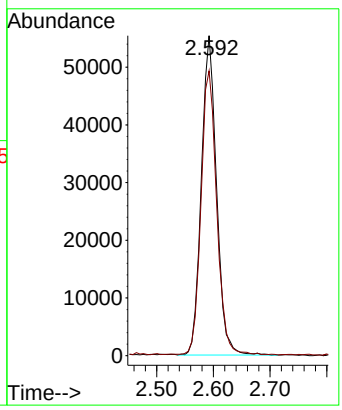




#5
Bromomethane
Concen: 22.674 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 94 Resp: 10293

Ion	Ratio	Lower	Upper
94	100		
96	88.9	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
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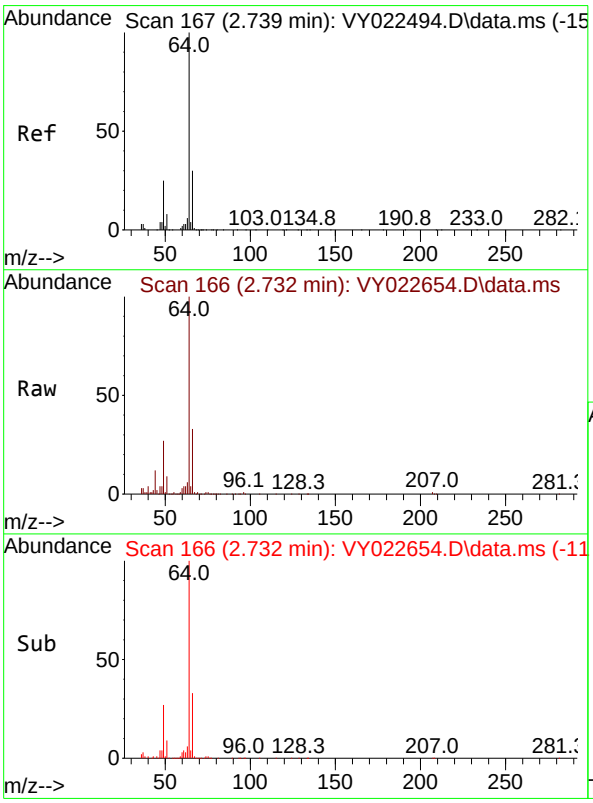
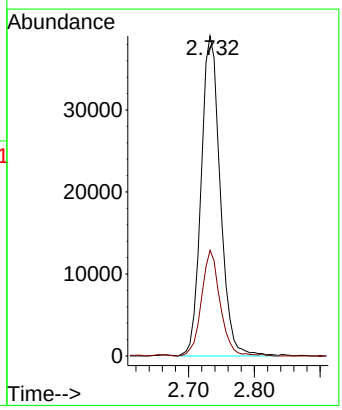
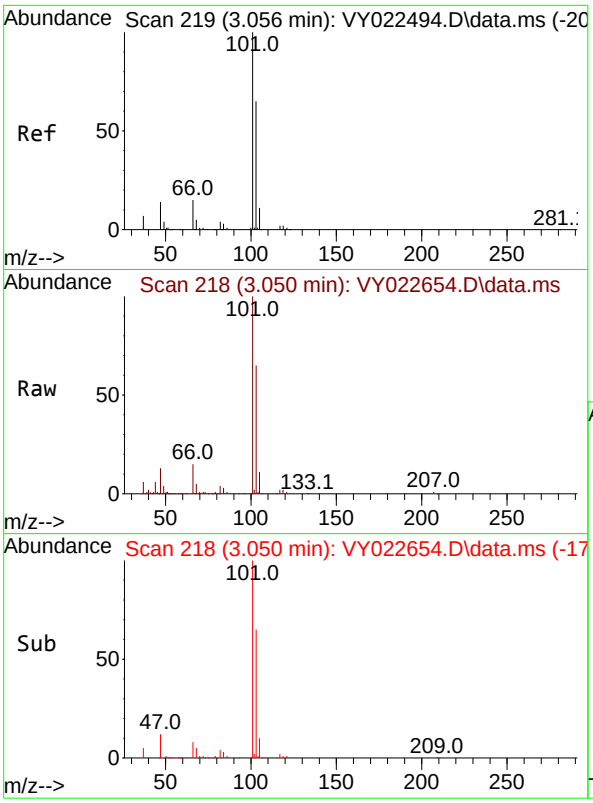


#6
Chloroethane
Concen: 24.287 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 64 Resp: 78962

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.8	35.6

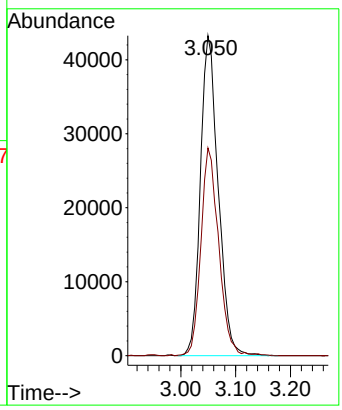




#7
Trichlorofluoromethane
Concen: 24.195 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:101 Resp: 9729

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
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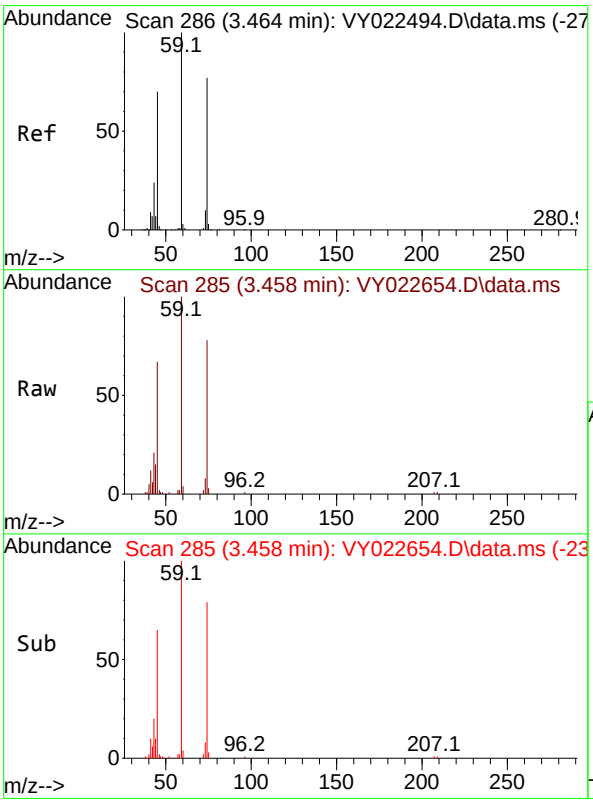
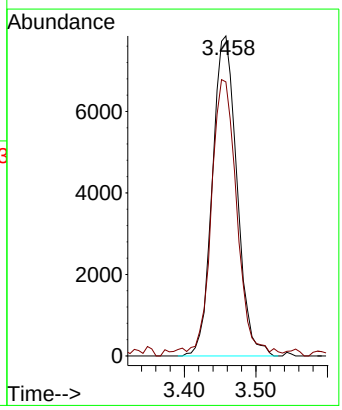
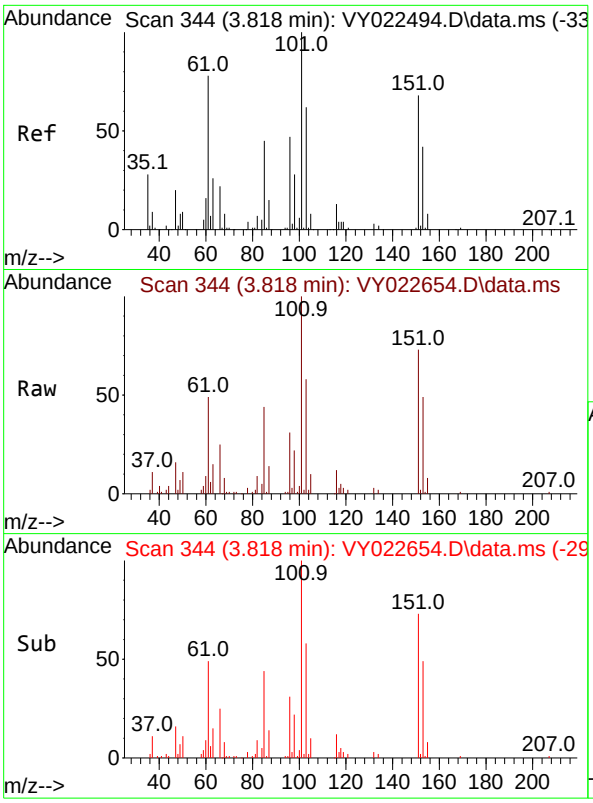


#8
Diethyl Ether
Concen: 20.690 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 74 Resp: 18737

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.9	137.6

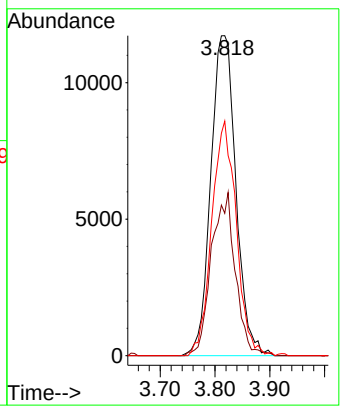




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.075 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:101 Resp: 3738

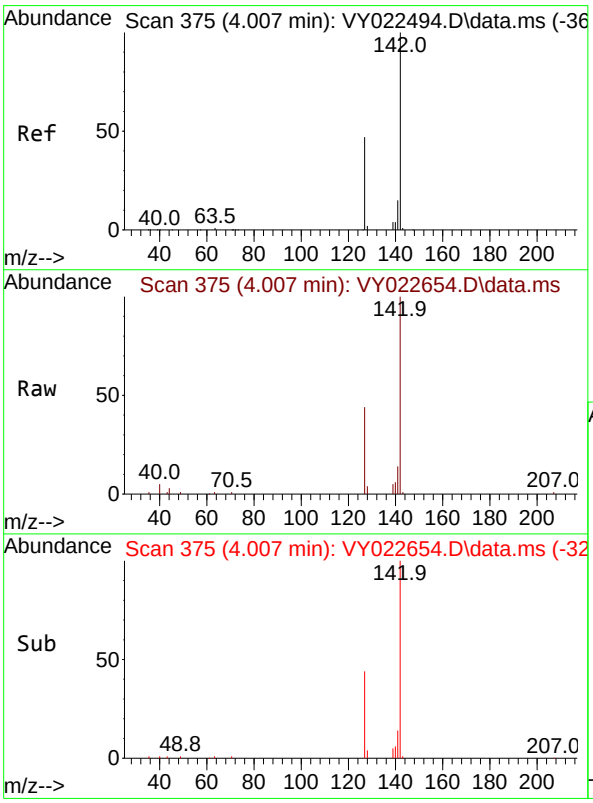
Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.4	57.8	86.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
APPROVED

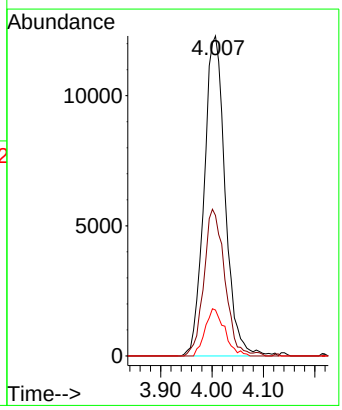
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

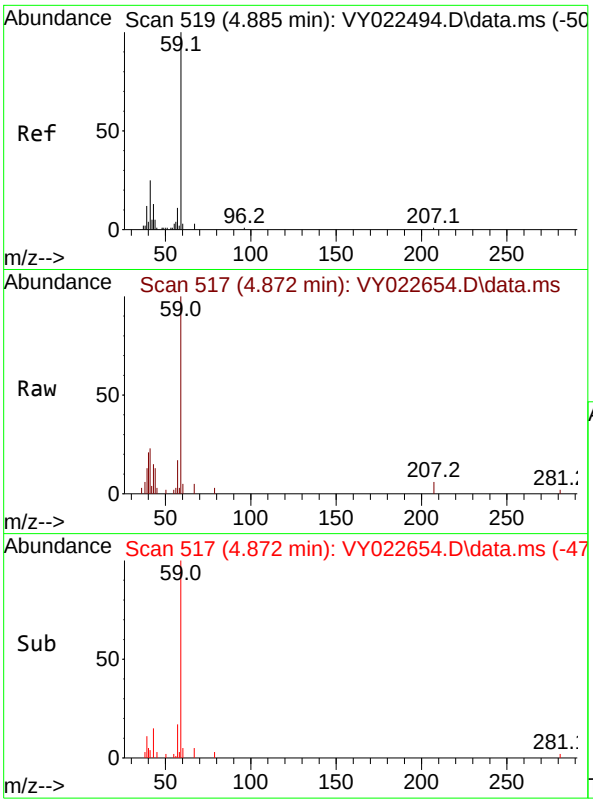


#10
Methyl Iodide
Concen: 19.085 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:142 Resp: 34979

Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.1	55.7
141	13.8	11.4	17.2





#11
Tert butyl alcohol
Concen: 93.074 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 59 Resp: 1147

Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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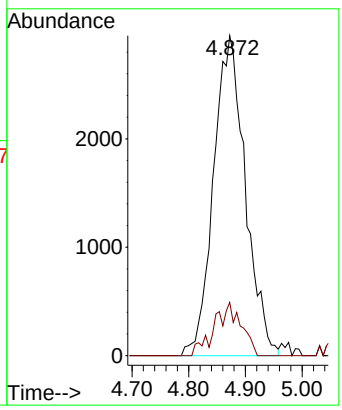
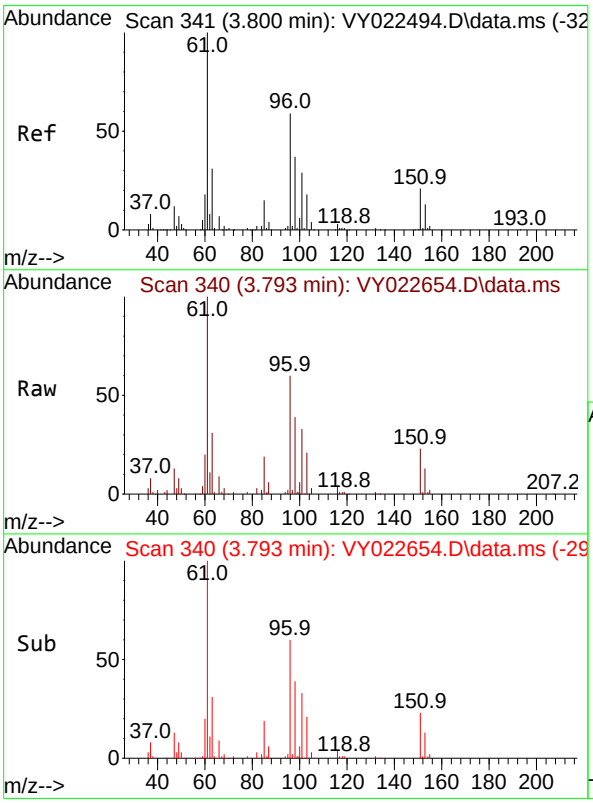
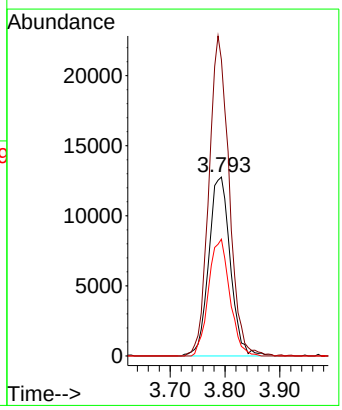


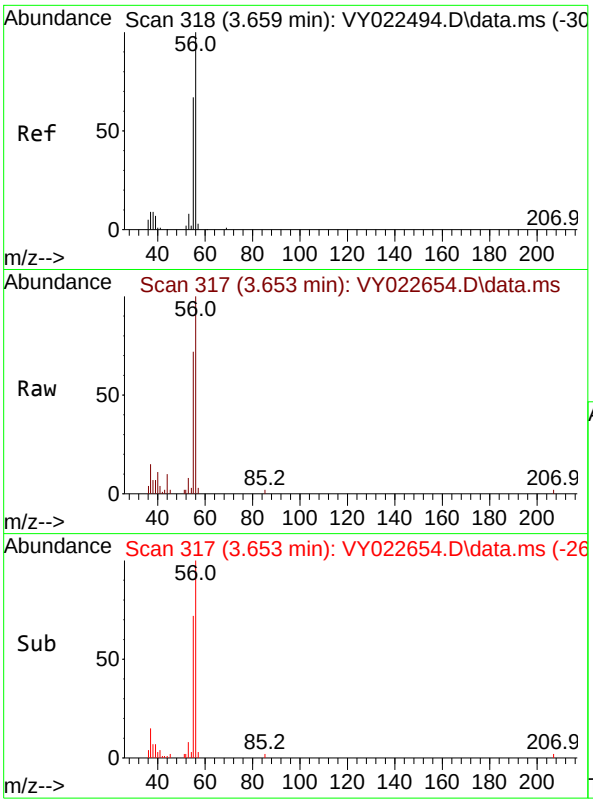


#12
1,1-Dichloroethene
Concen: 21.519 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 96 Resp: 34837

Ion	Ratio	Lower	Upper
96	100		
61	165.6	134.6	201.8
98	65.3	50.2	75.4

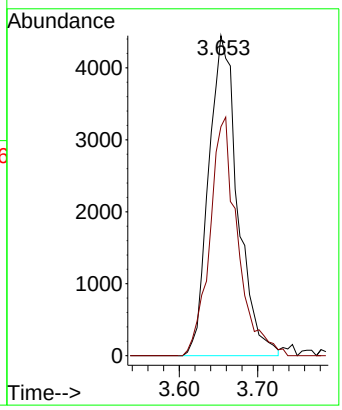




#13
Acrolein
Concen: 74.553 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 56 Resp: 1145

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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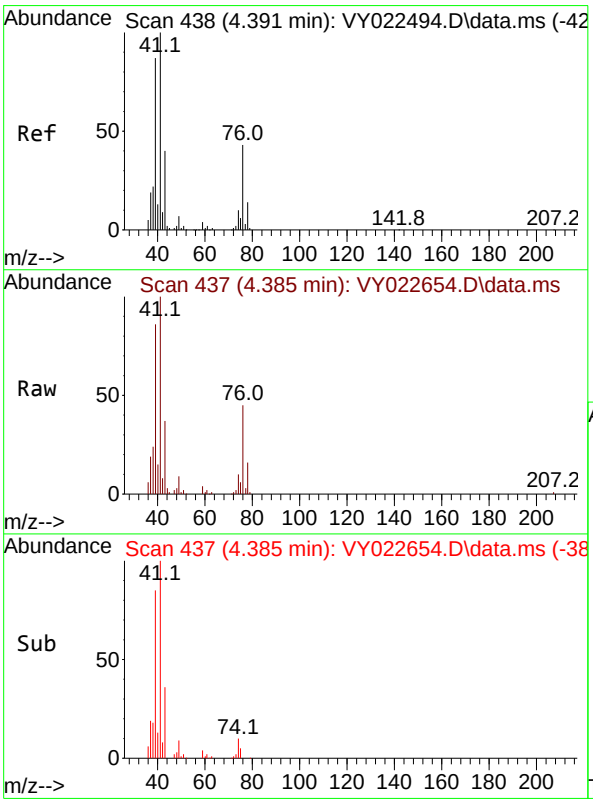
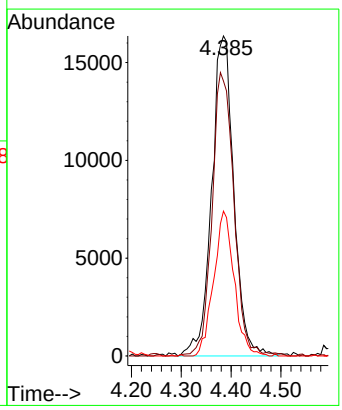
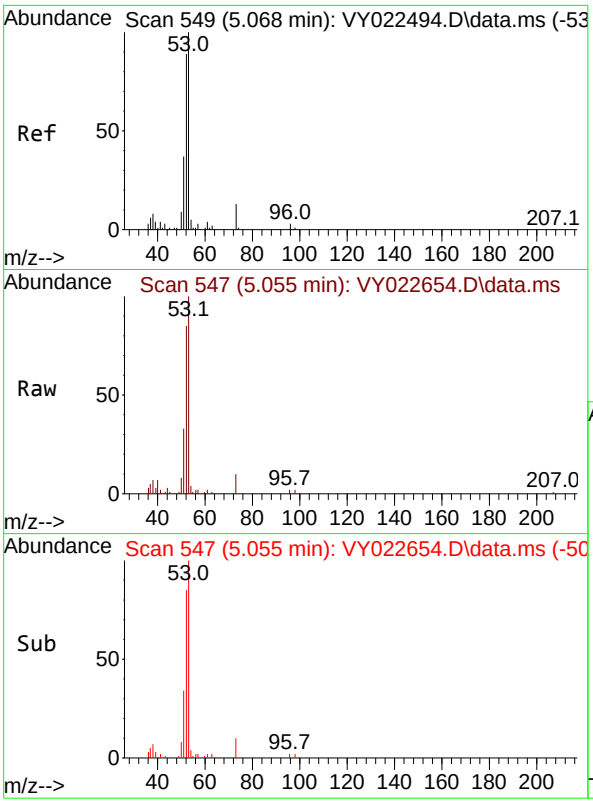


#14
Allyl chloride
Concen: 19.916 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 41 Resp: 50615

Ion	Ratio	Lower	Upper
41	100		
39	87.2	69.1	103.7
76	41.6	33.5	50.3





#15
Acrylonitrile
Concen: 97.728 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 53 Resp: 3748

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	39.1	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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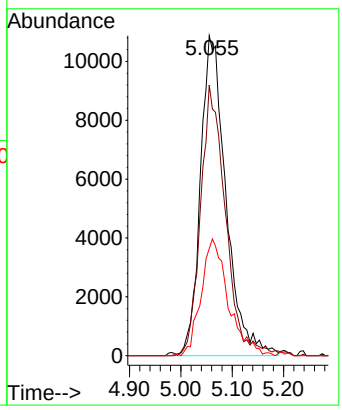
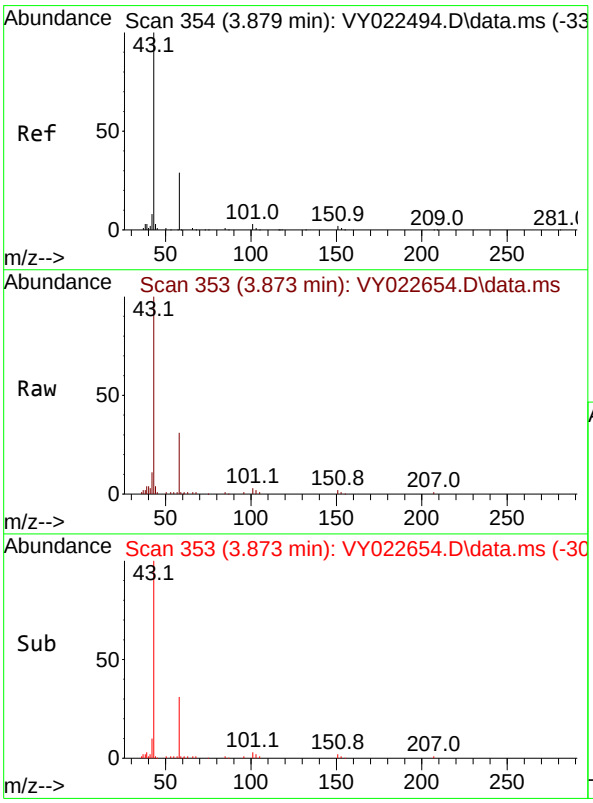
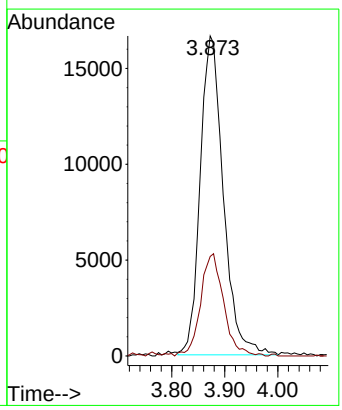


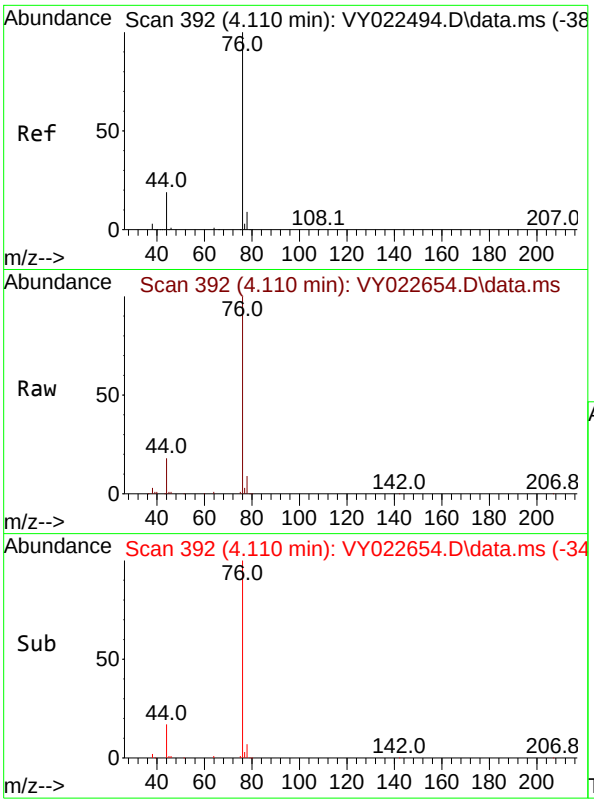


#16
Acetone
Concen: 143.804 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 50425

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.0	36.0

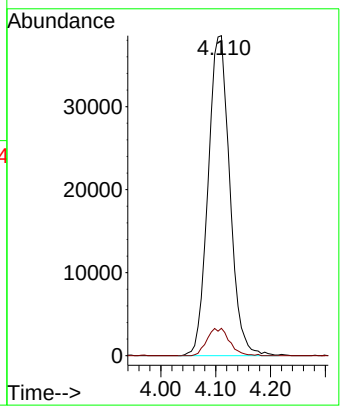




#17
Carbon Disulfide
Concen: 20.400 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 76 Resp: 10573

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
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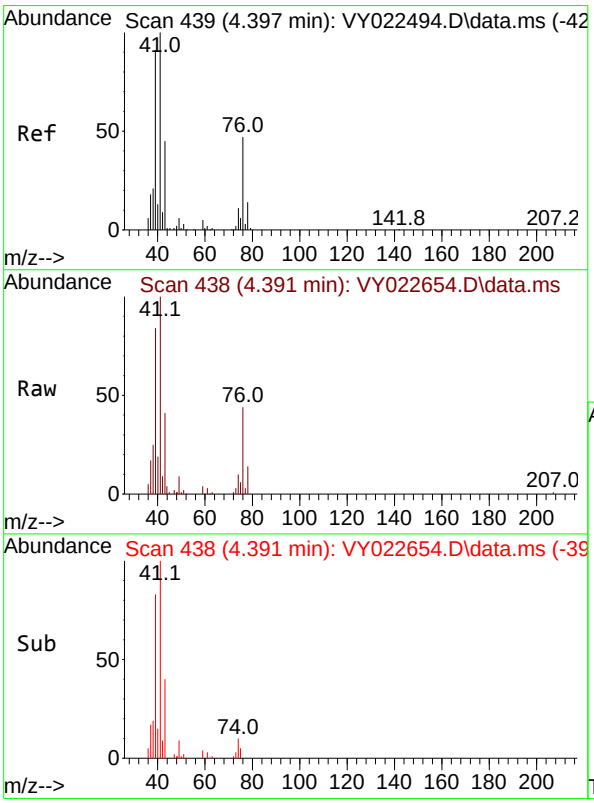
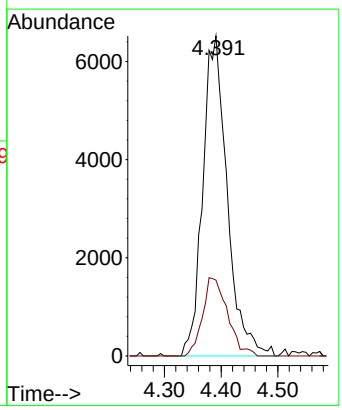
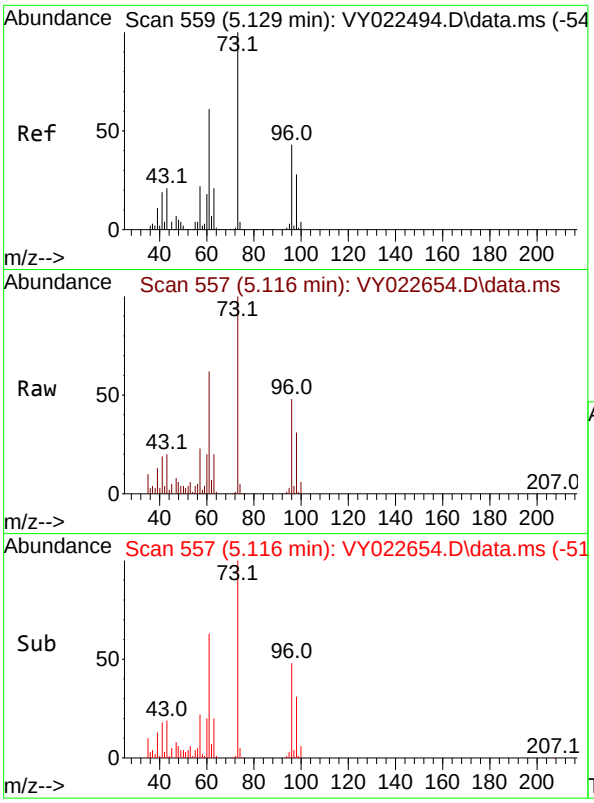


#18
Methyl Acetate
Concen: 18.779 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 19500

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.6

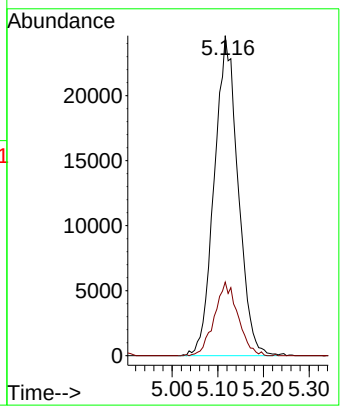




#19
Methyl tert-butyl Ether
Concen: 19.547 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 73 Resp: 8913

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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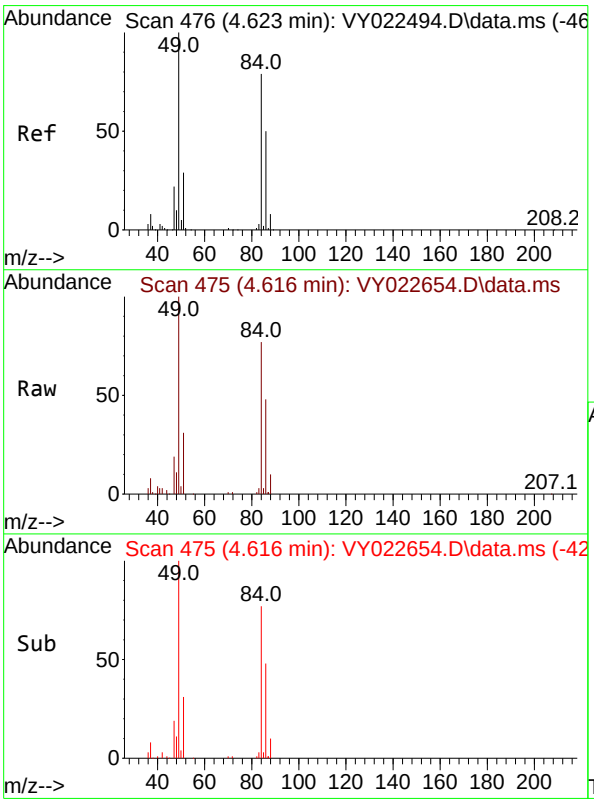
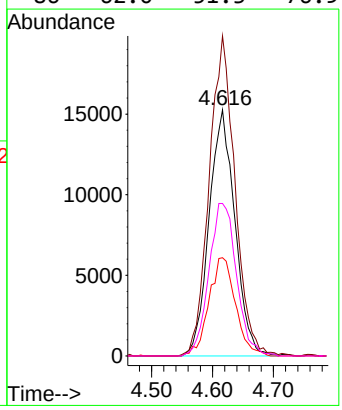
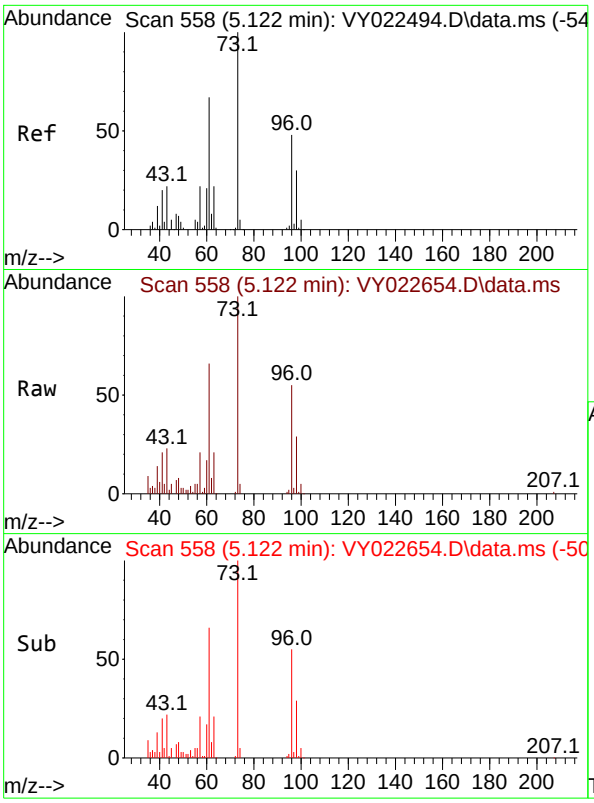


#20
Methylene Chloride
Concen: 22.579 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 84 Resp: 44974

Ion	Ratio	Lower	Upper
84	100		
49	130.0	101.9	152.9
51	39.9	29.8	44.8
86	62.0	51.3	76.9

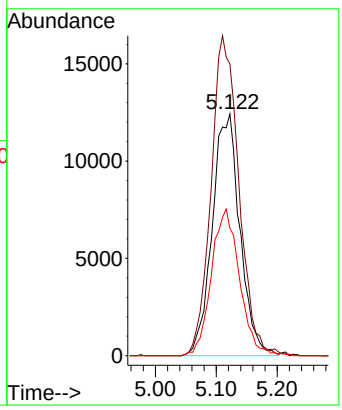




#21
trans-1,2-Dichloroethene
Concen: 21.591 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 96 Resp: 3912

Ion	Ratio	Lower	Upper
96	100		
61	120.7	112.6	169.0
98	52.8	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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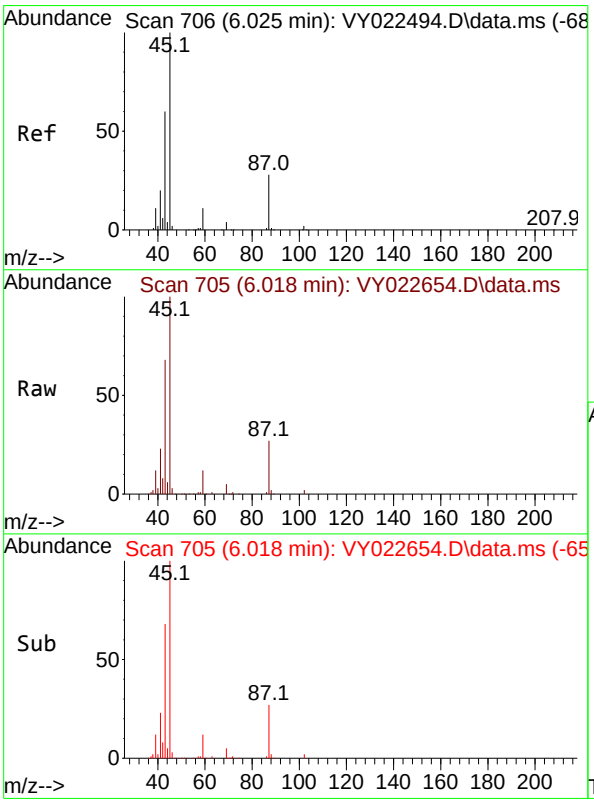
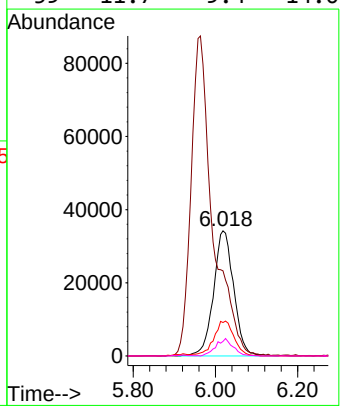
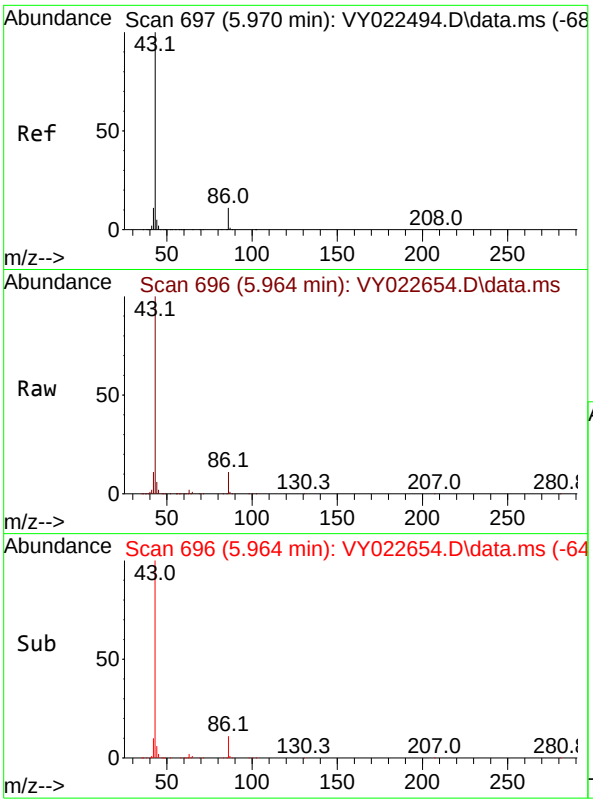


#22
Diisopropyl ether
Concen: 20.583 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 45 Resp: 116438

Ion	Ratio	Lower	Upper
45	100		
43	67.2	48.3	72.5
87	26.8	23.0	34.6
59	11.7	9.4	14.0





#23
Vinyl Acetate
Concen: 95.409 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 31945

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

Instrument :
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ClientSampleId :
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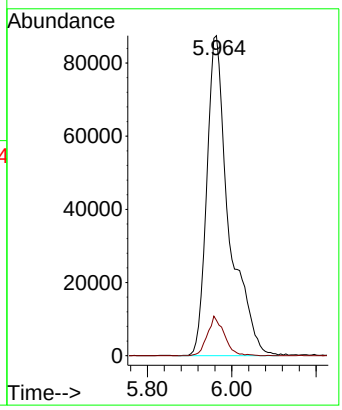
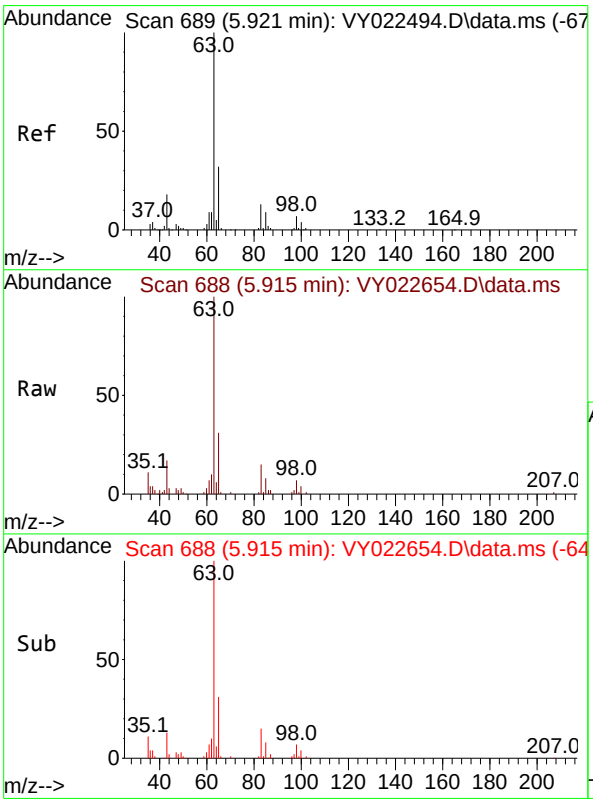
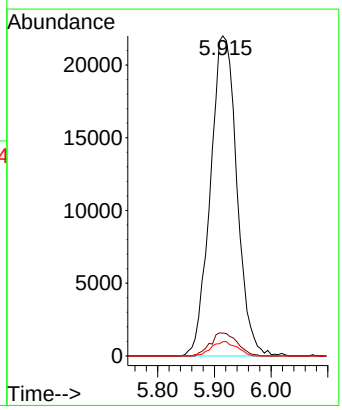


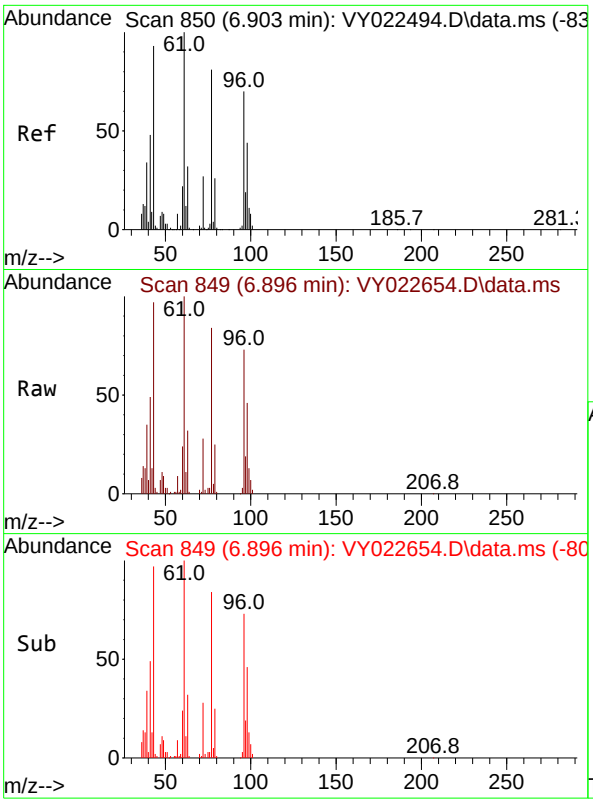


#24
1,1-Dichloroethane
Concen: 21.448 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 63 Resp: 71477

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.1
100	4.5	2.1	6.3





#25
2-Butanone
Concen: 117.002 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 5917

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
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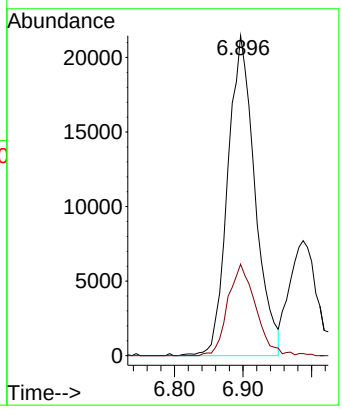
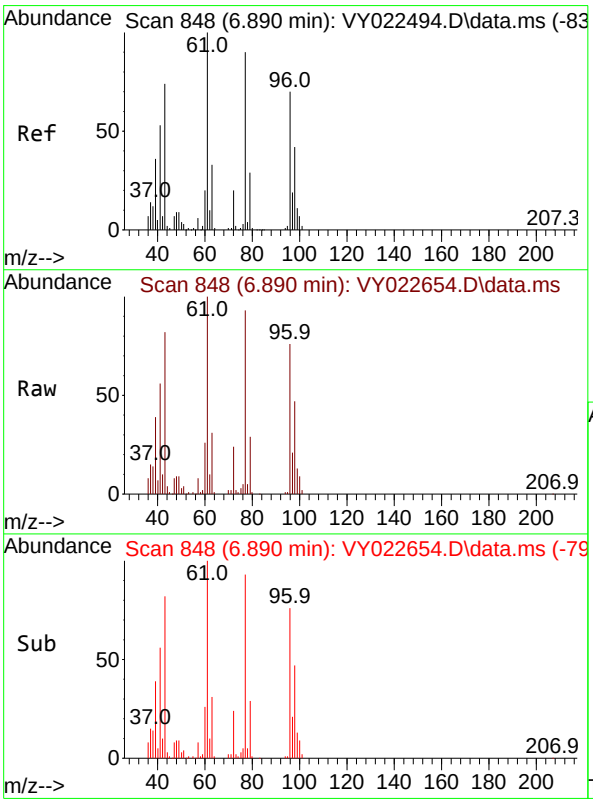
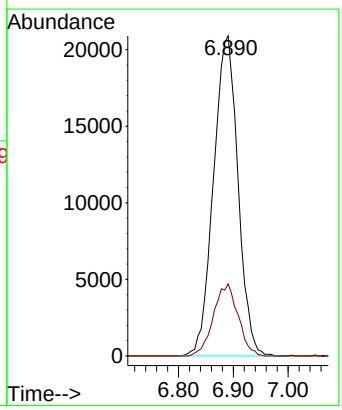


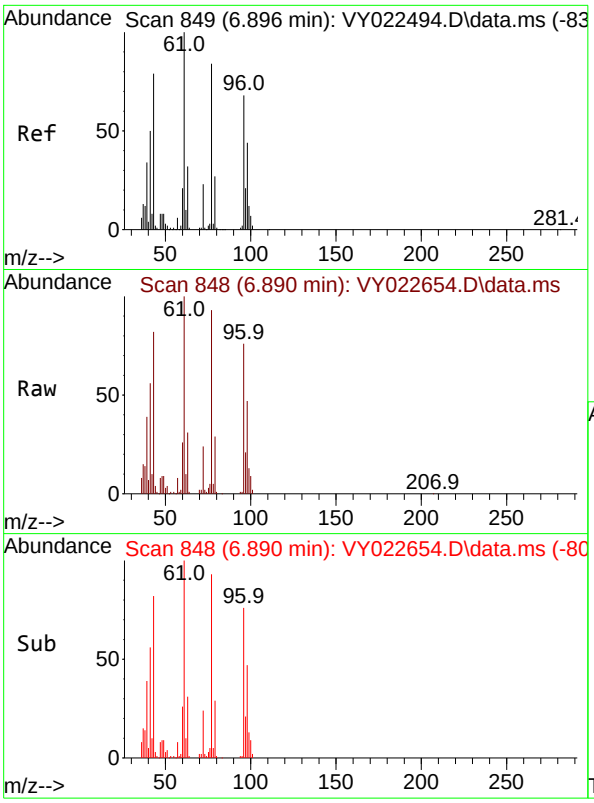


#26
2,2-Dichloropropane
Concen: 22.014 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 77 Resp: 64822

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.4	34.2

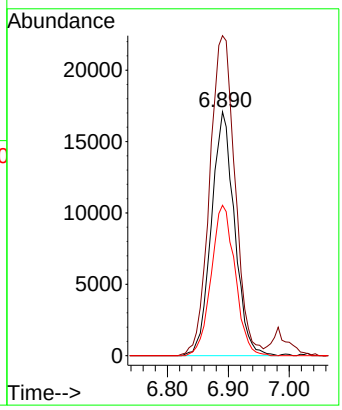




#27
cis-1,2-Dichloroethene
Concen: 21.542 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 96 Resp: 4511

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	290.0
98	63.6	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
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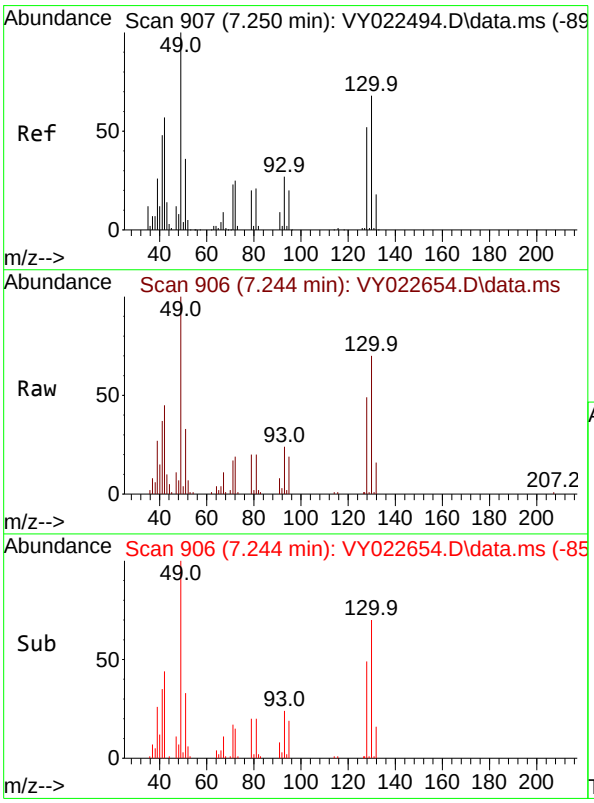
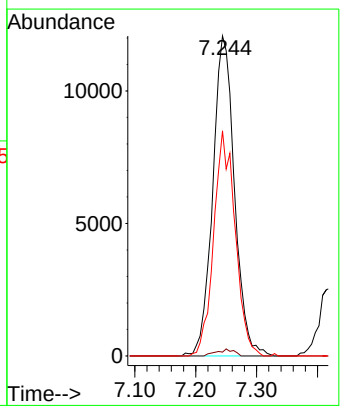
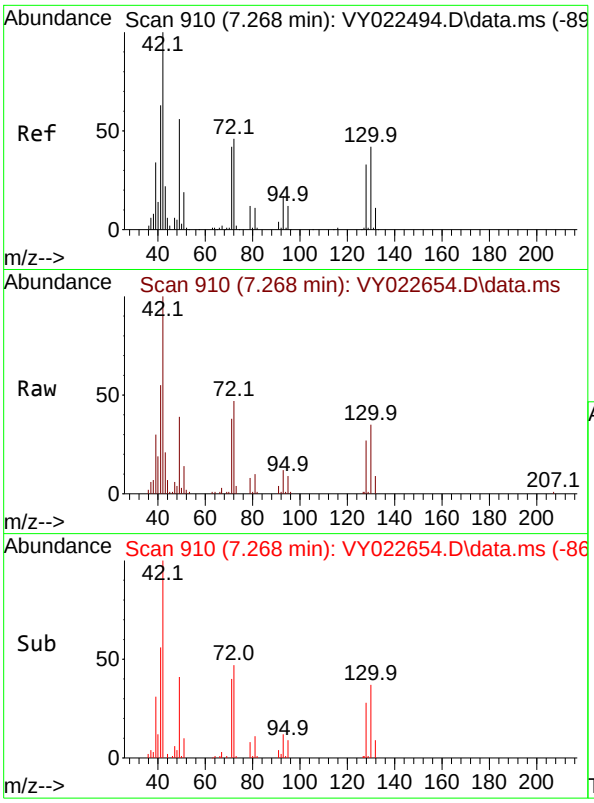


#28
Bromochloromethane
Concen: 20.607 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 49 Resp: 29937

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.2	55.7	83.5

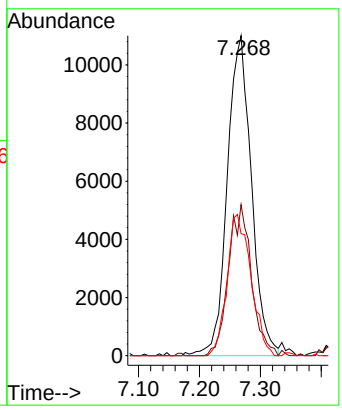




#29
Tetrahydrofuran
Concen: 92.970 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 42 Resp: 3032

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.4	56.2
71	43.6	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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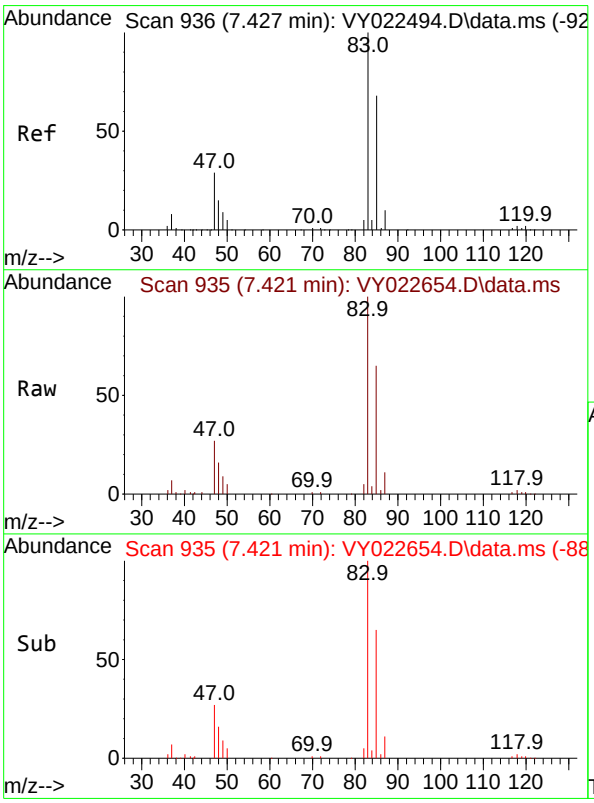
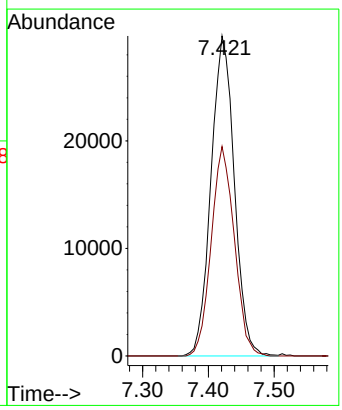
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

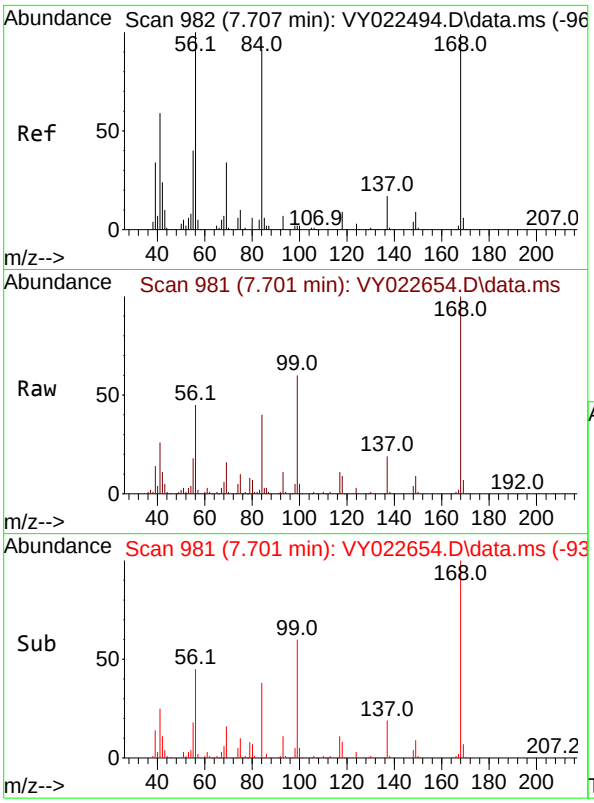


#30
Chloroform
Concen: 22.269 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 83 Resp: 73510

Ion	Ratio	Lower	Upper
83	100		
85	65.5	54.2	81.4

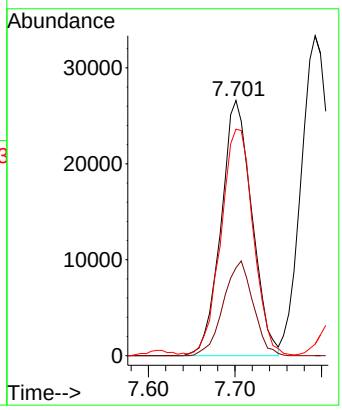




#31
Cyclohexane
Concen: 19.860 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 56 Resp: 6589

Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.0	40.6
84	88.2	72.6	109.0



Instrument :
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ClientSampleId :
VY0611SBS01

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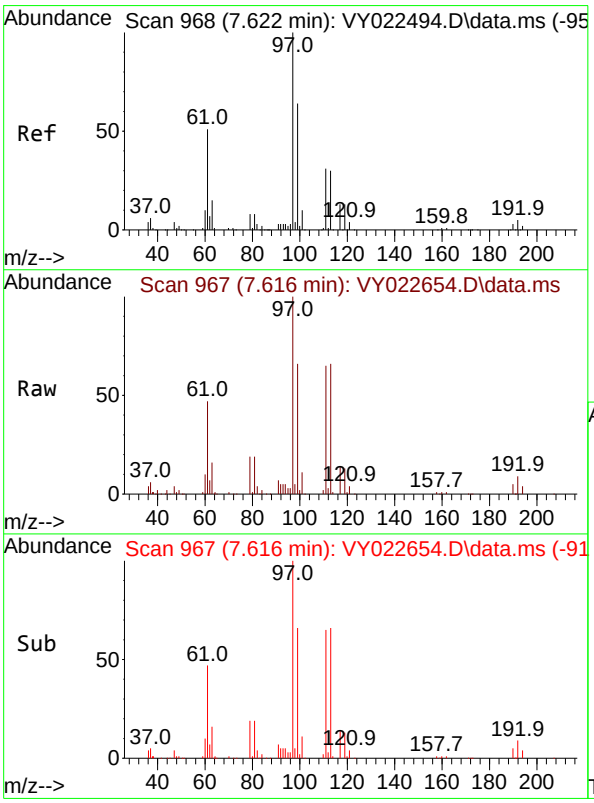
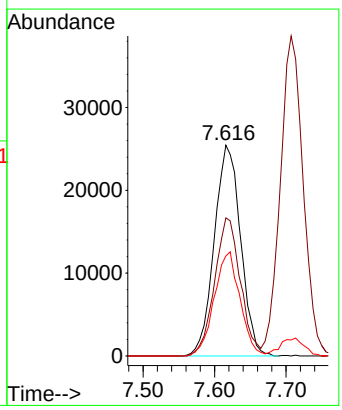
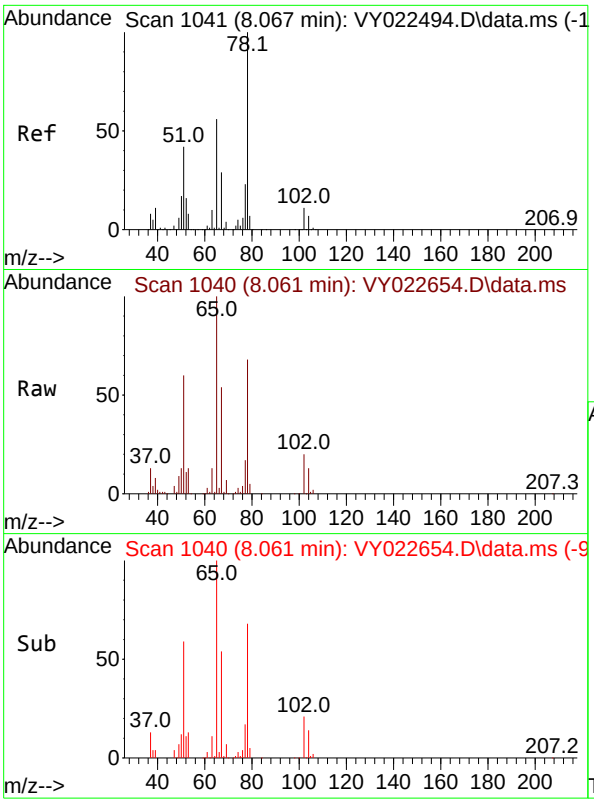


#32
1,1,1-Trichloroethane
Concen: 22.208 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 97 Resp: 65077

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	48.5	38.5	57.7

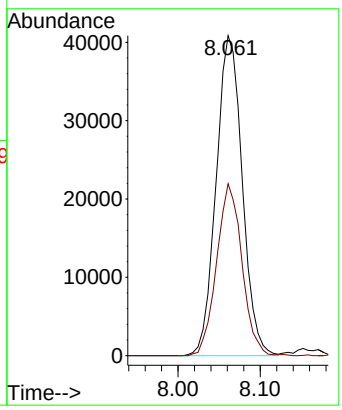




#33
1,2-Dichloroethane-d4
Concen: 52.150 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 65 Resp: 9004

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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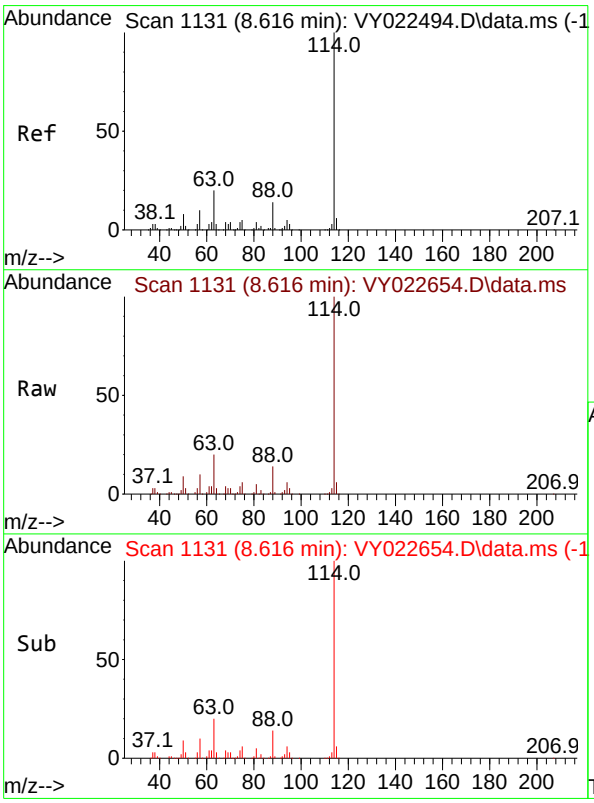
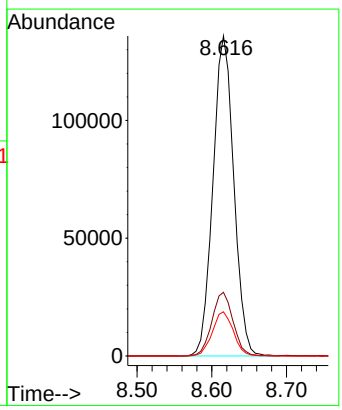
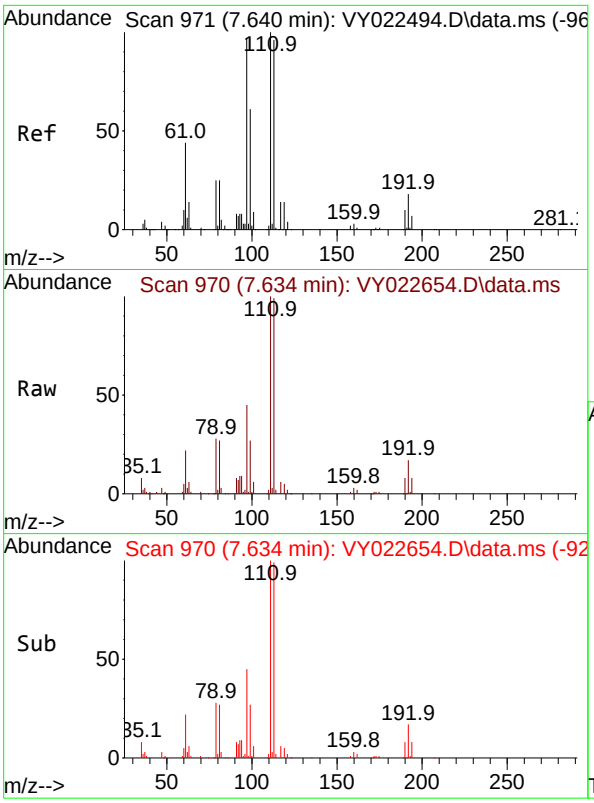


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:114 Resp: 263261

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	13.8	0.0	27.8

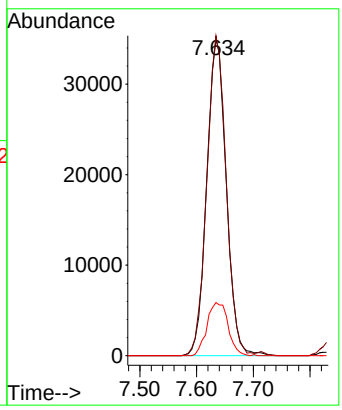




#35
Dibromofluoromethane
Concen: 53.345 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:113 Resp: 8382

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.1	121.7
192	18.0	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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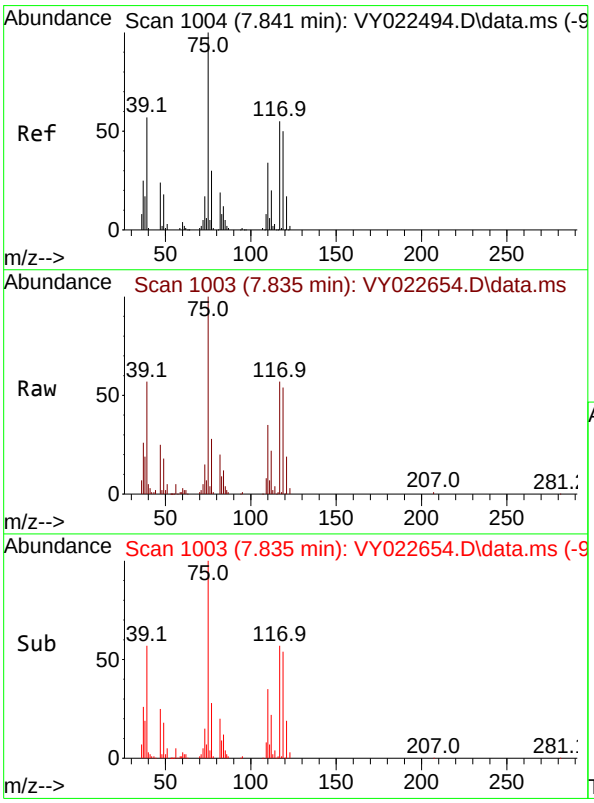
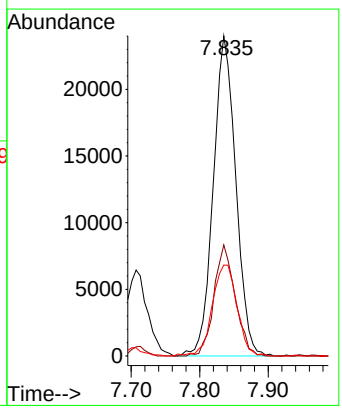
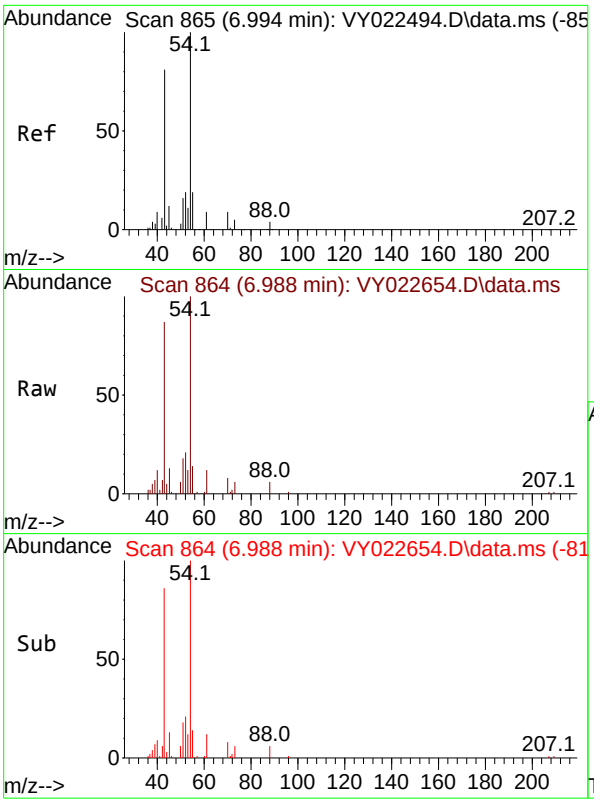


#36
1,1-Dichloropropene
Concen: 21.470 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 54754

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.9	50.7
77	31.2	24.8	37.2

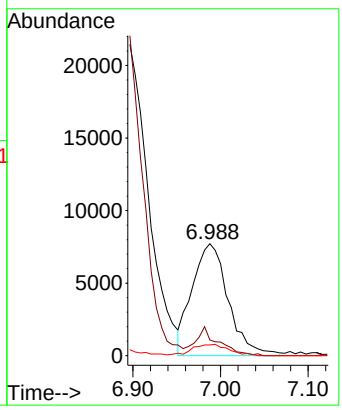




#37
Ethyl Acetate
Concen: 19.483 ug/l m
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 2215

Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.5	17.3
70	10.3	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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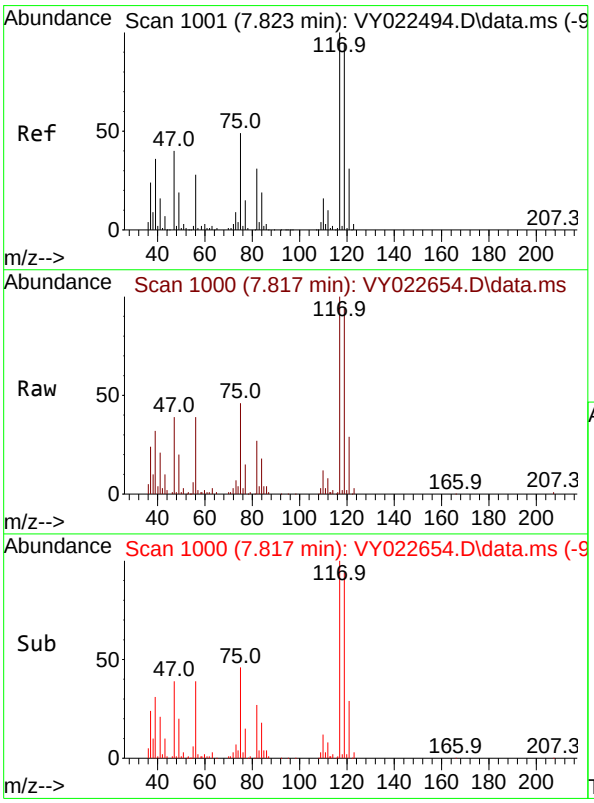
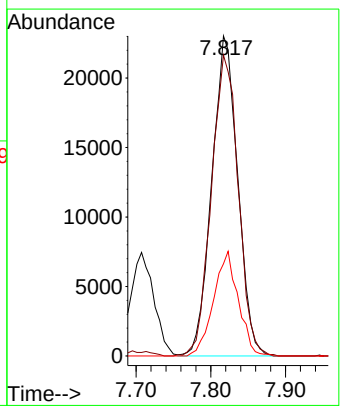
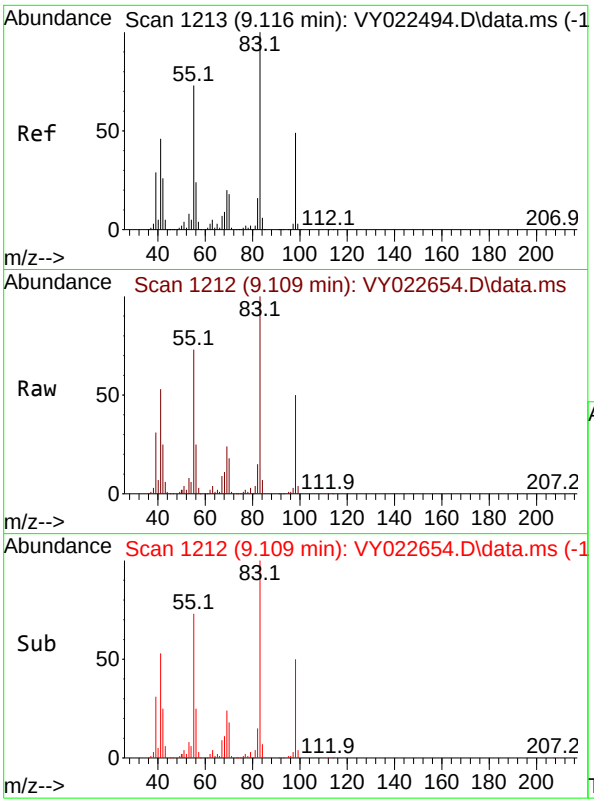


#38
Carbon Tetrachloride
Concen: 21.227 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:117 Resp: 55534

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.0	112.6
121	28.8	25.0	37.4





#39
Methylcyclohexane
Concen: 19.873 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 83 Resp: 6810

Ion	Ratio	Lower	Upper
83	100		
55	73.5	58.1	87.1
98	50.4	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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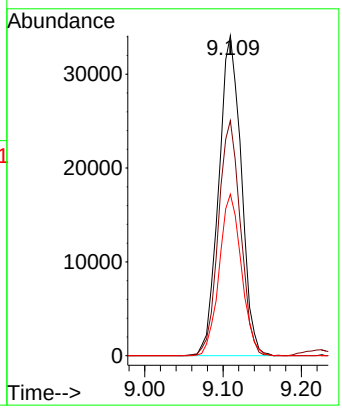
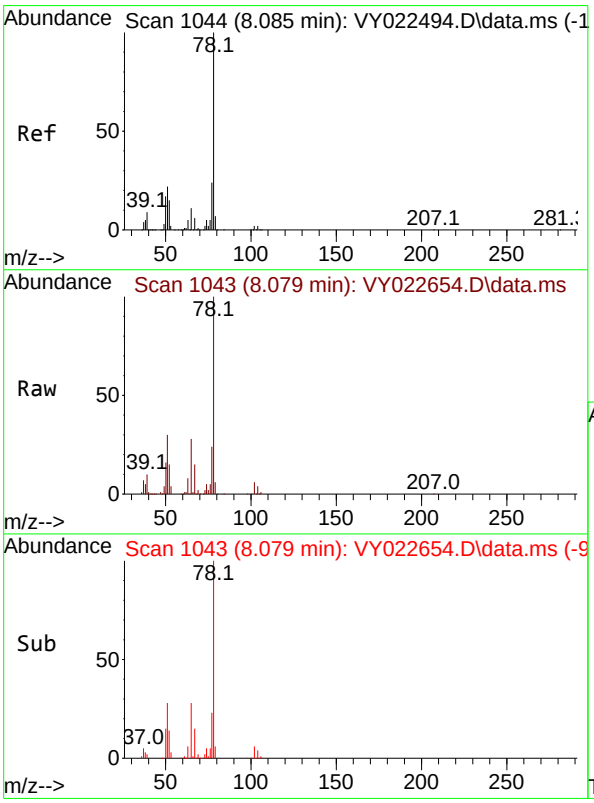
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

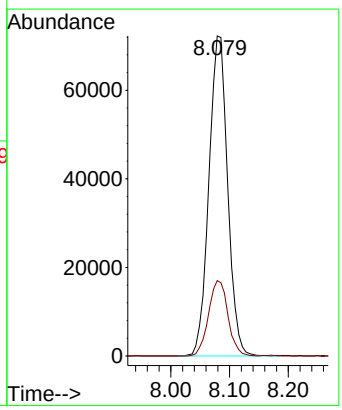


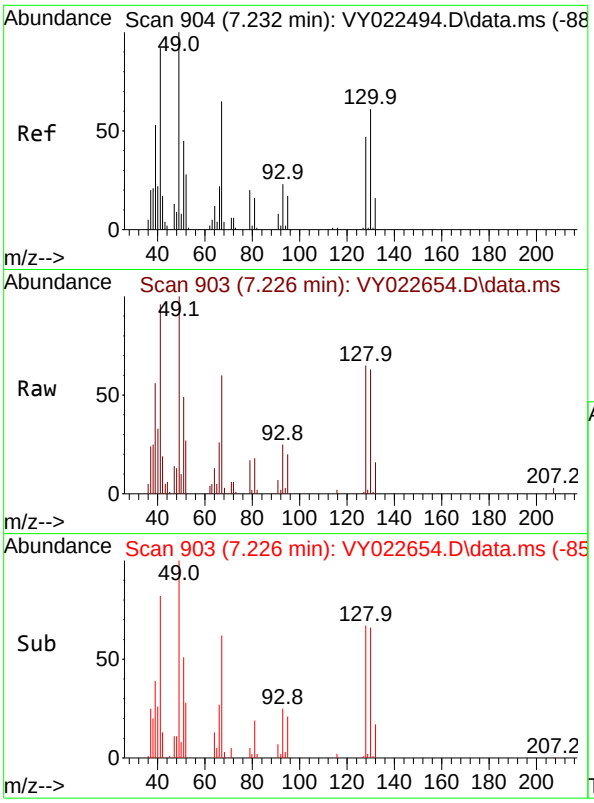


#40
Benzene
Concen: 21.236 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 78 Resp: 159964

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9

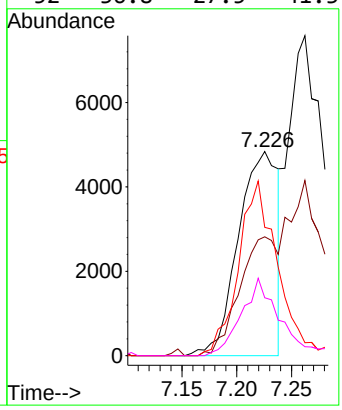




#41
Methacrylonitrile
Concen: 18.275 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 41 Resp: 1214

Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	84.8	63.3	94.9
52	36.8	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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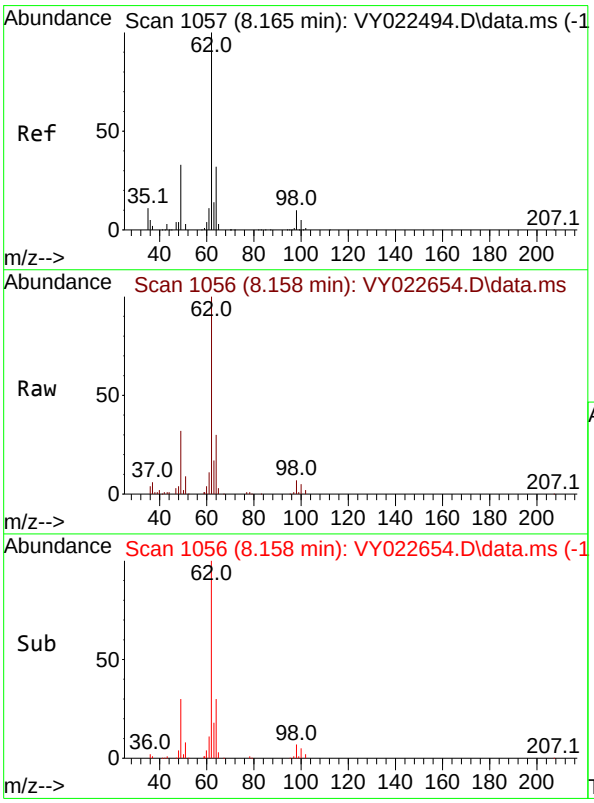
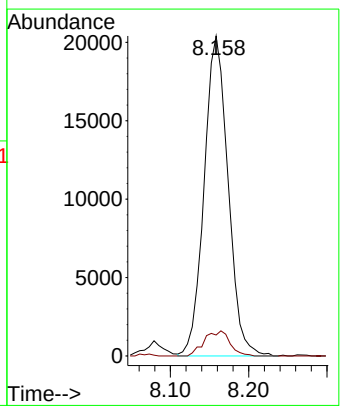
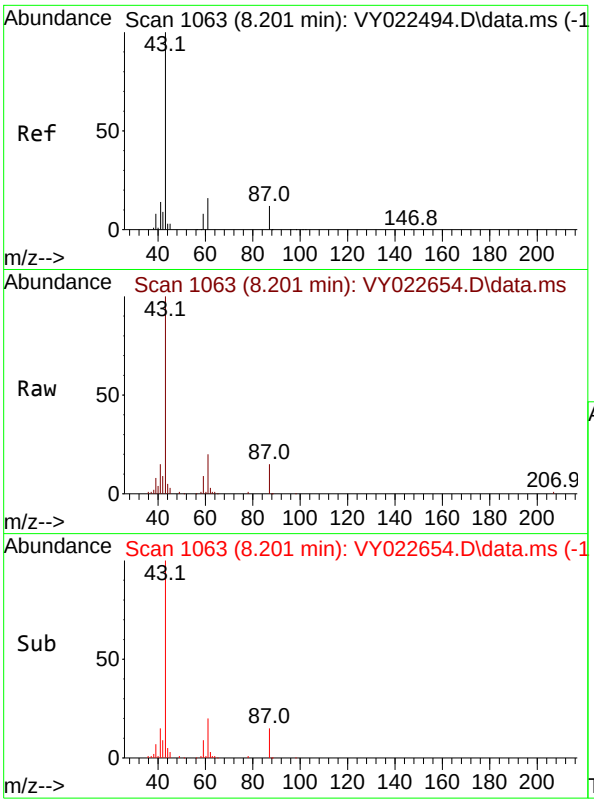


#42
1,2-Dichloroethane
Concen: 21.094 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 62 Resp: 43385

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	19.2

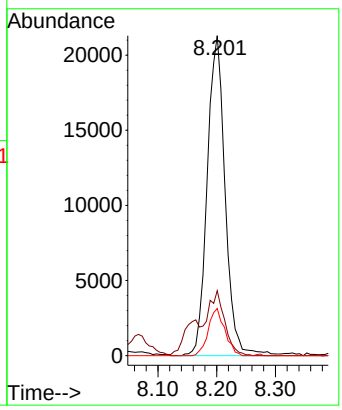




#43
Isopropyl Acetate
Concen: 18.355 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 4508

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.6	23.4
87	13.6	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
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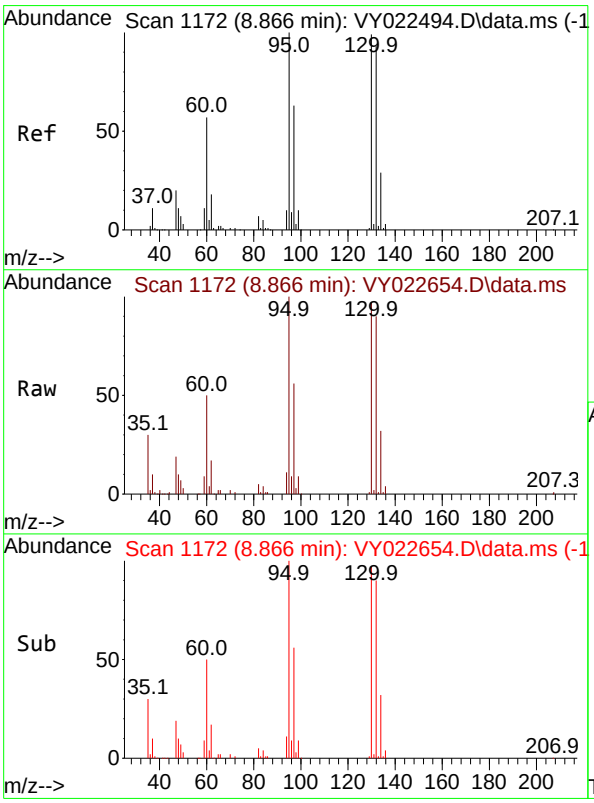
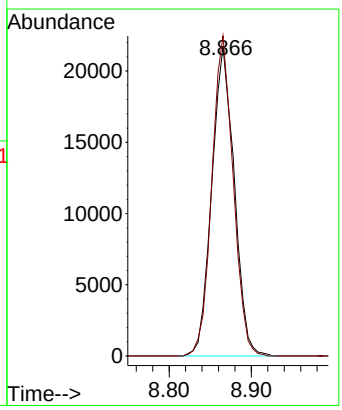
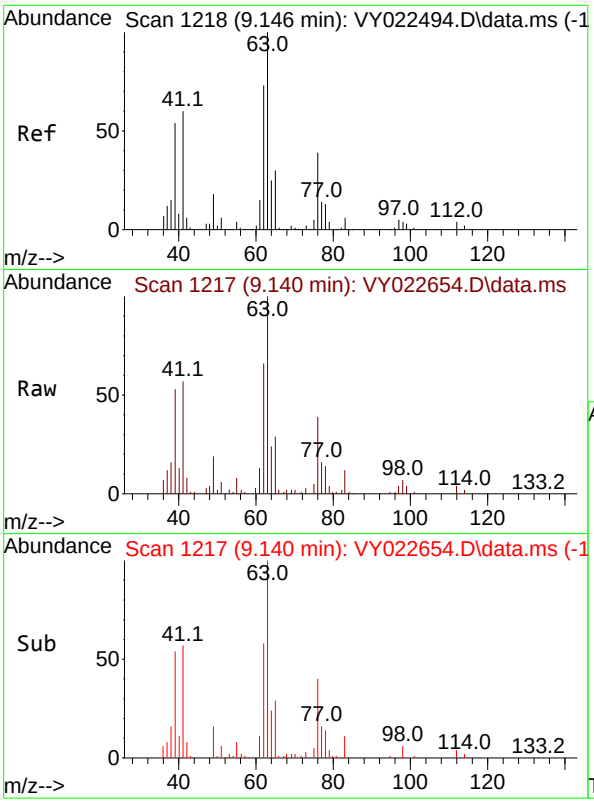


#44
Trichloroethene
Concen: 22.364 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:130 Resp: 41172

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0

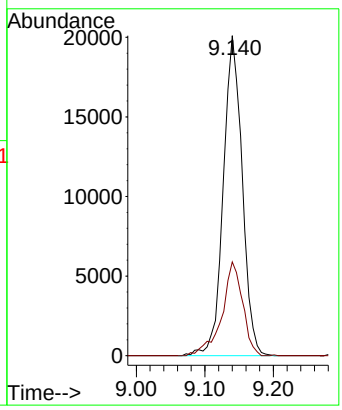




#45
1,2-Dichloropropane
Concen: 21.609 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 63 Resp: 3846

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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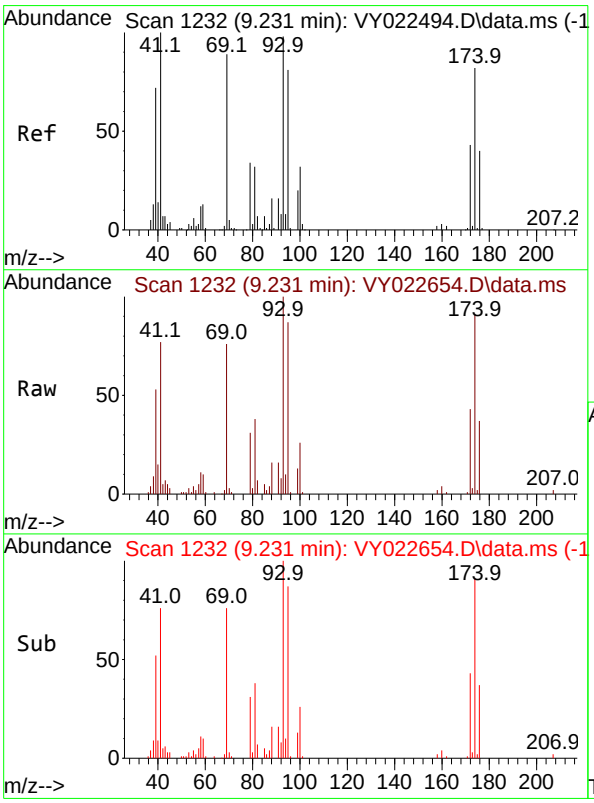
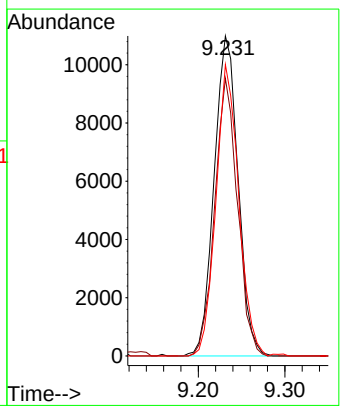
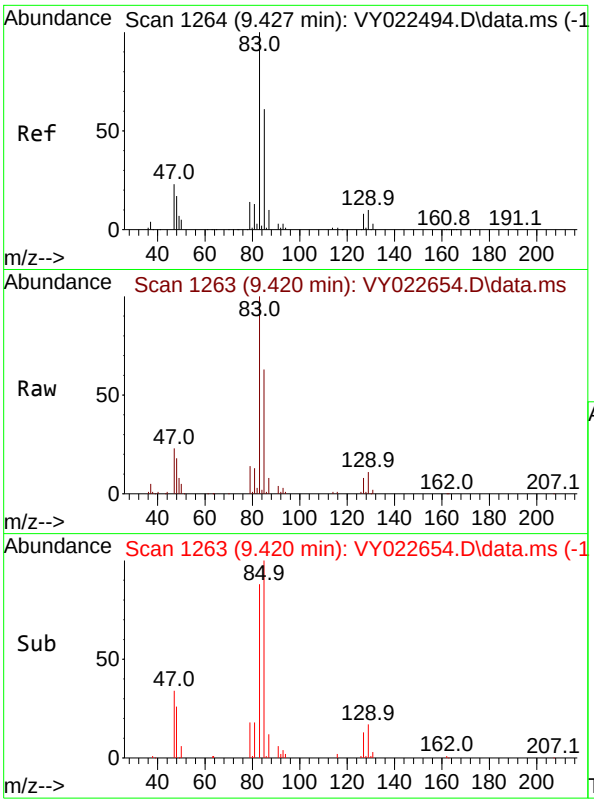


#46
Dibromomethane
Concen: 21.104 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 93 Resp: 21136

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	86.7	70.4	105.6

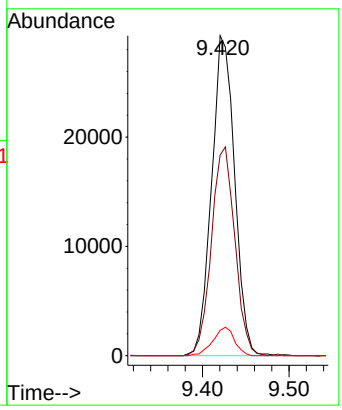




#47
Bromodichloromethane
Concen: 21.271 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 83 Resp: 5401

Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.1	73.7
127	7.9	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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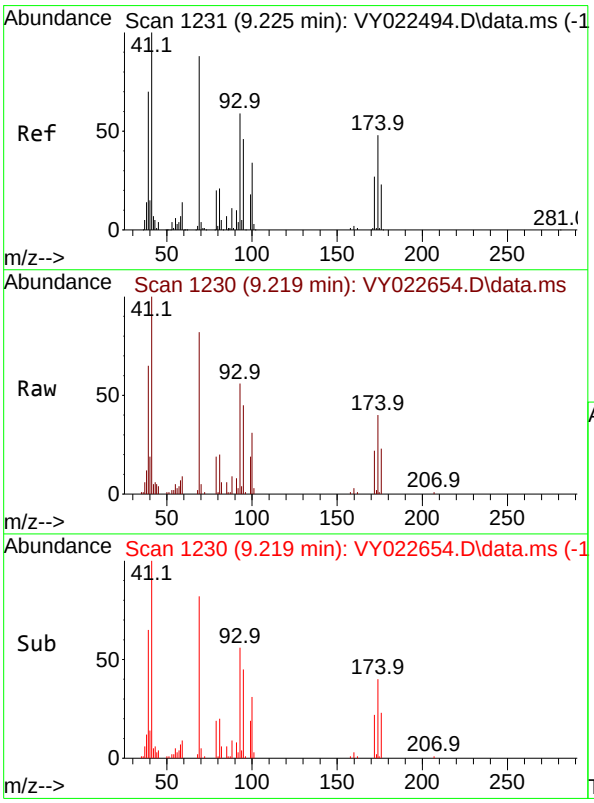
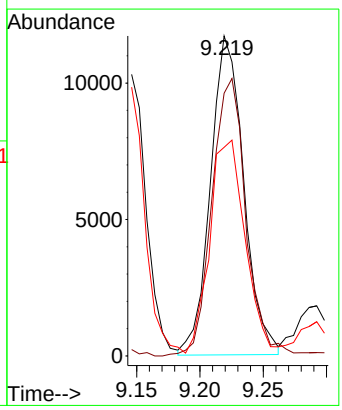
Supervised By :Semsettin Yesilyurt 06/12/2025

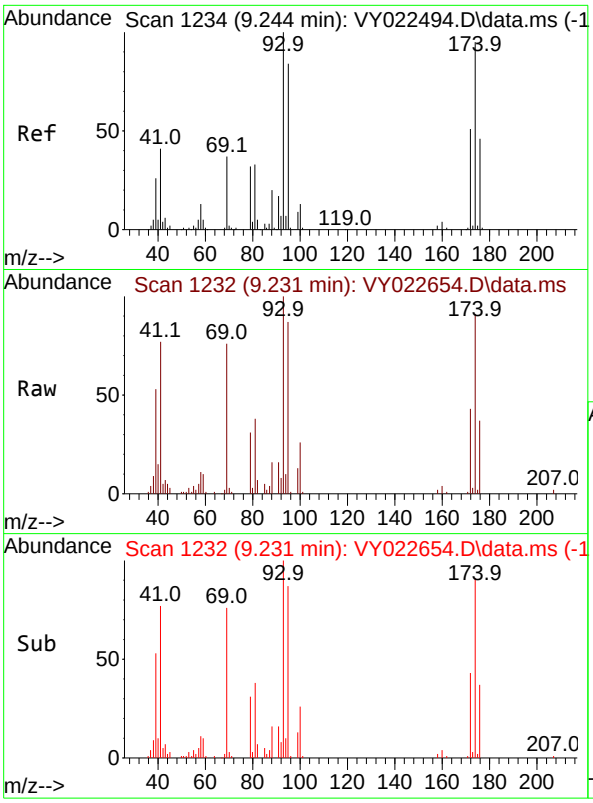


#48
Methyl methacrylate
Concen: 18.509 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 41 Resp: 21337

Ion	Ratio	Lower	Upper
41	100		
69	89.3	67.8	101.8
39	71.3	55.0	82.4

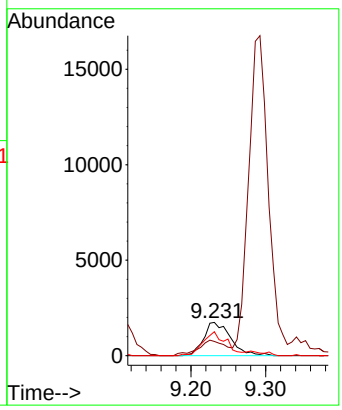




#49
1,4-Dioxane
Concen: 371.176 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 88 Resp: 440

Ion	Ratio	Lower	Upper
88	100		
43	47.1	25.4	38.2
58	61.6	54.9	82.3



Instrument :
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ClientSampleId :
VY0611SBS01

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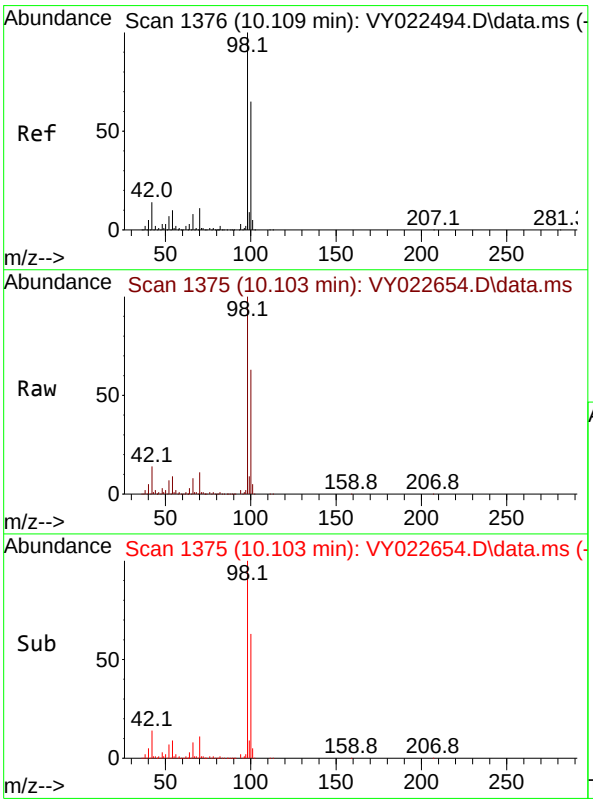
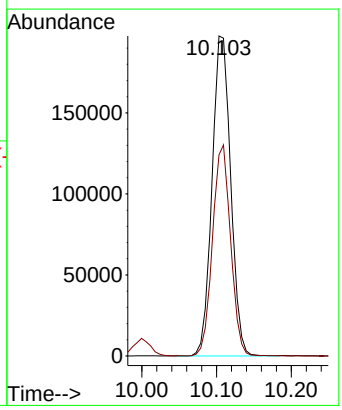
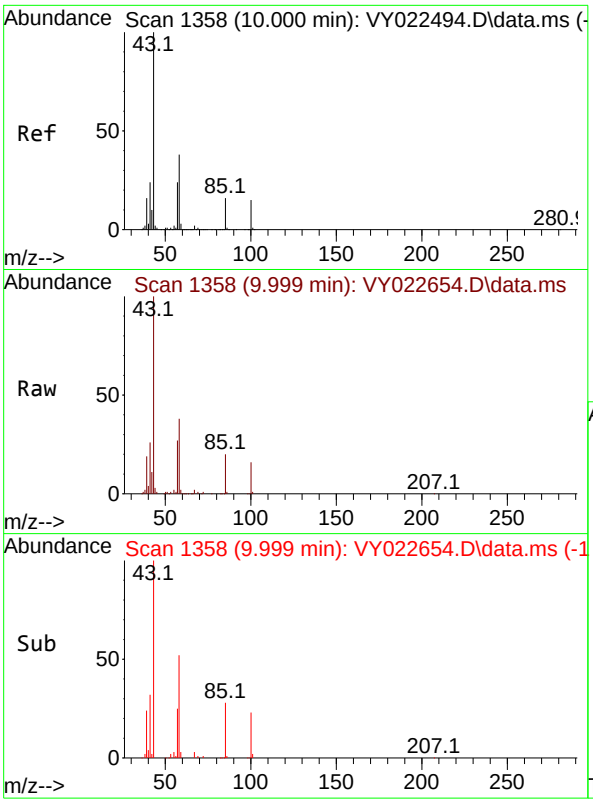


#50
Toluene-d8
Concen: 53.850 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 98 Resp: 341908

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

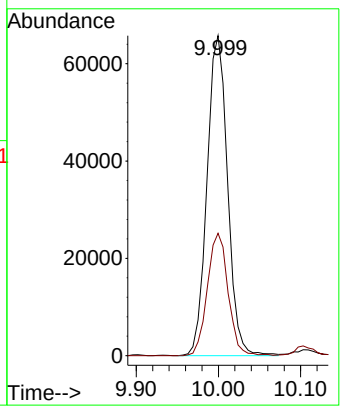




#51
4-Methyl-2-Pentanone
Concen: 93.372 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 11434

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.4	45.6



Instrument :
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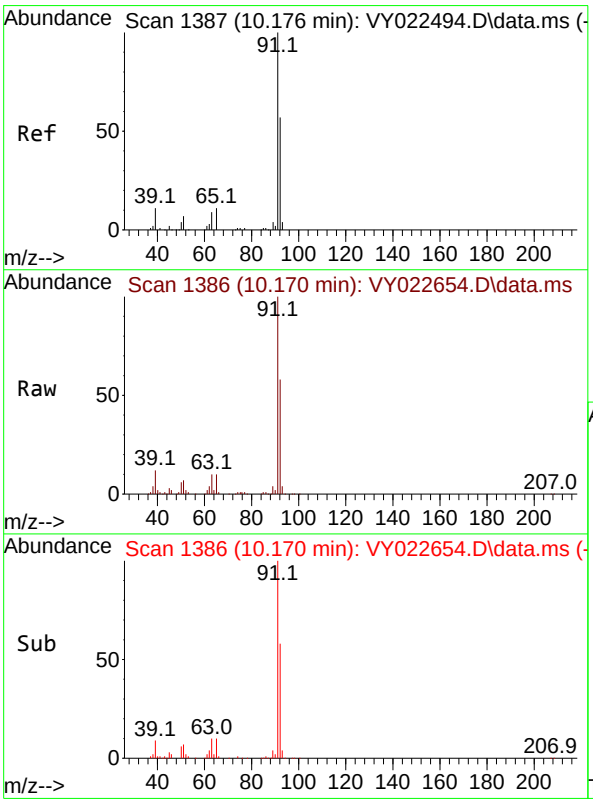
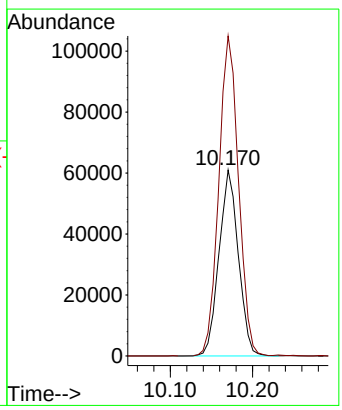
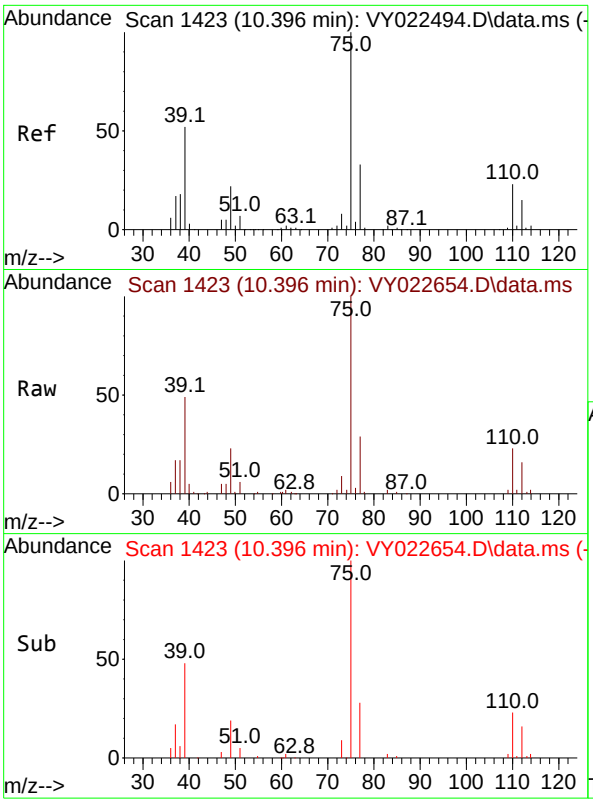


#52
Toluene
Concen: 21.067 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 92 Resp: 99726

Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.0	208.4

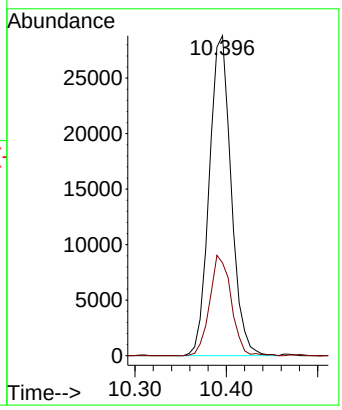




#53
t-1,3-Dichloropropene
Concen: 20.111 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 4785

Ion	Ratio	Lower	Upper
75	100		
77	29.0	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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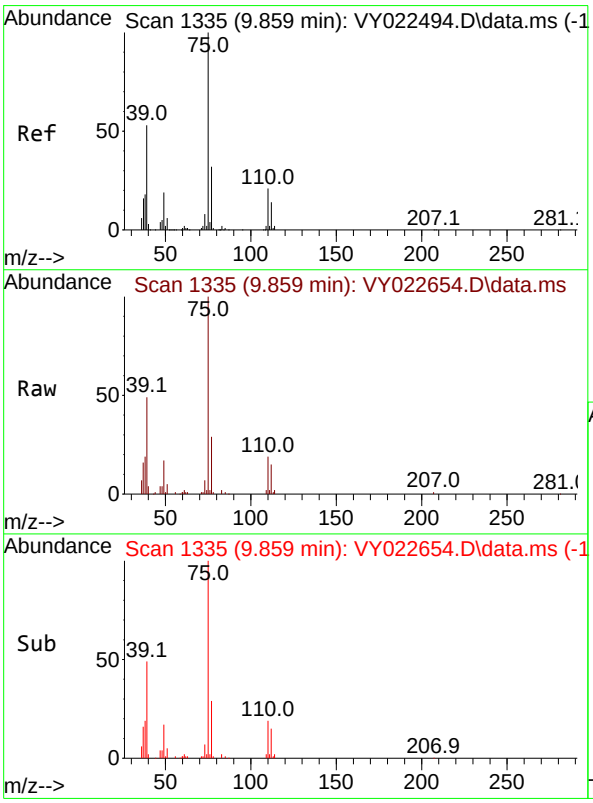
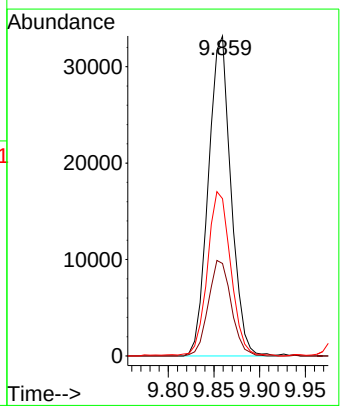
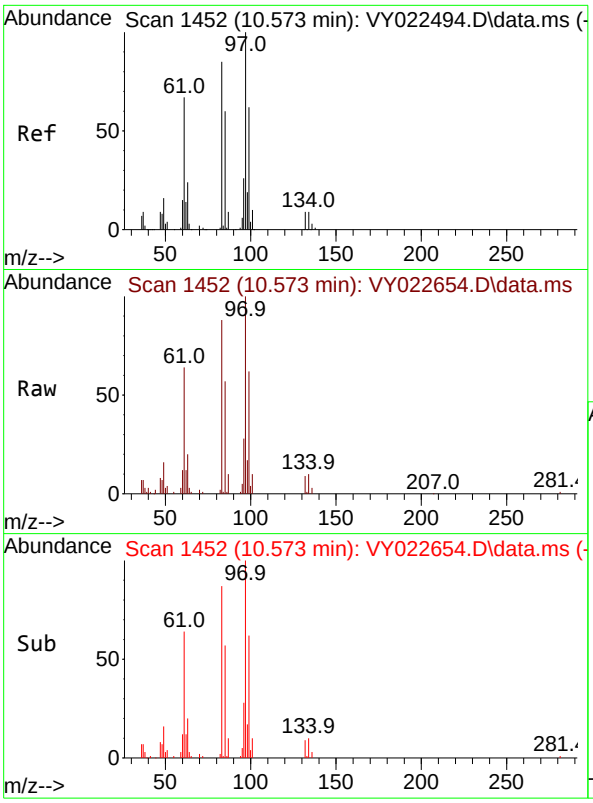


#54
cis-1,3-Dichloropropene
Concen: 20.571 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 56976

Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.3	37.9
39	49.2	42.7	64.1

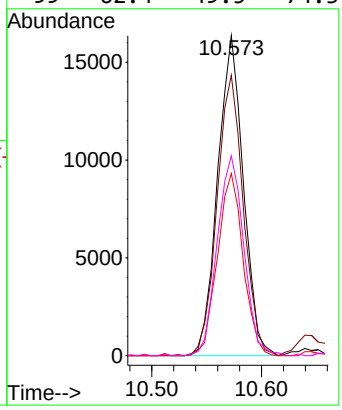




#55
1,1,2-Trichloroethane
Concen: 20.835 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 97 Resp: 2660

Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.1	102.1
85	56.9	48.2	72.2
99	62.4	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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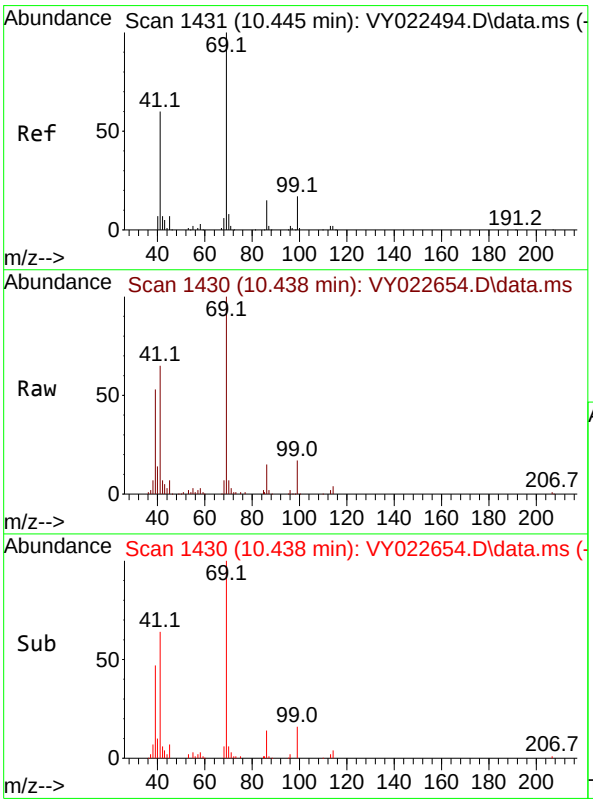
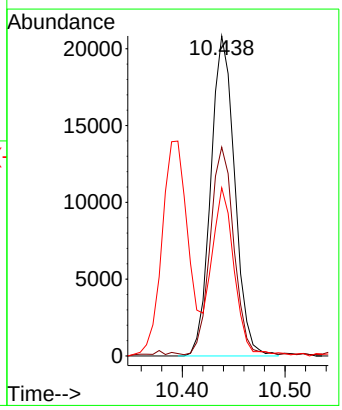
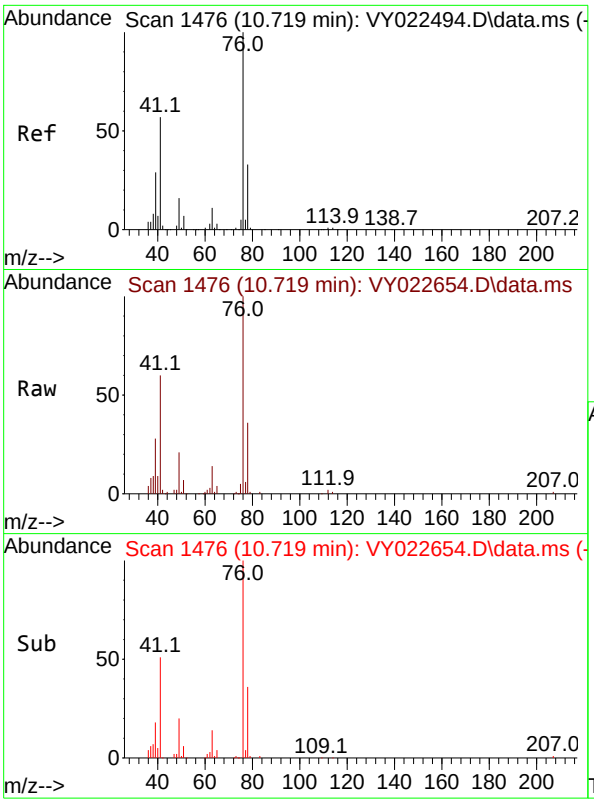


#56
Ethyl methacrylate
Concen: 18.248 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 69 Resp: 33681

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.2	78.2
39	48.5	36.7	55.1

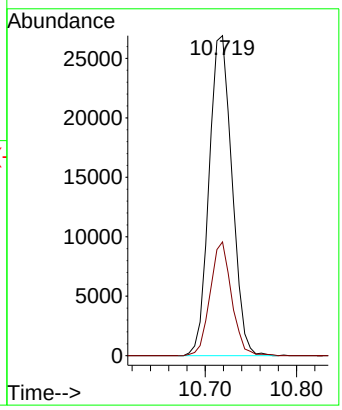




#57
1,3-Dichloropropane
Concen: 20.685 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 76 Resp: 4682

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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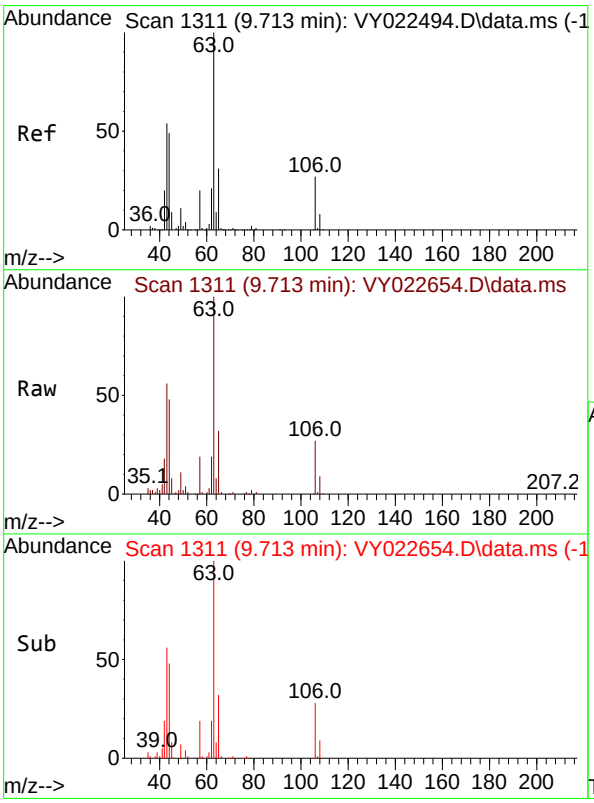
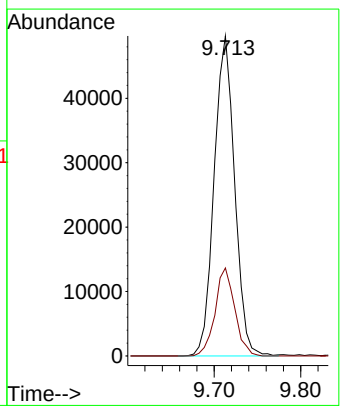
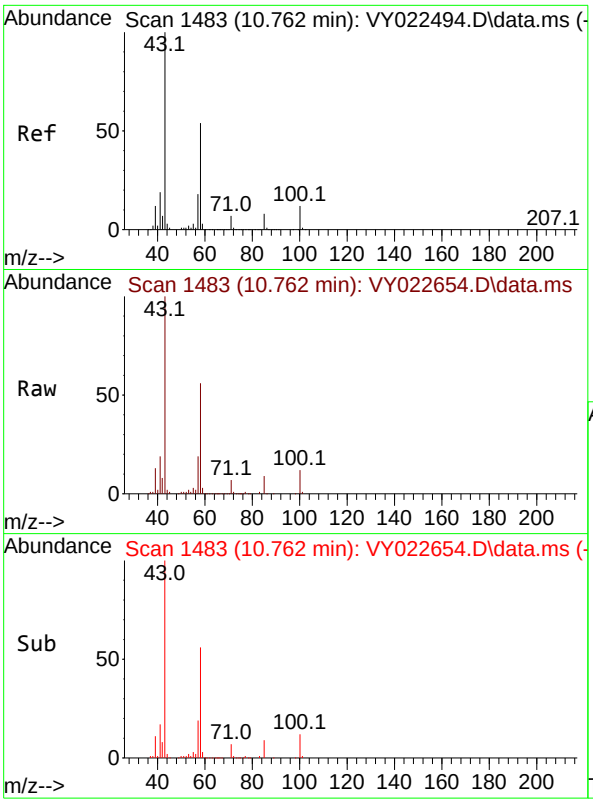


#58
2-Chloroethyl Vinyl ether
Concen: 97.509 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 63 Resp: 81714

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4





#59
2-Hexanone
Concen: 103.855 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 8505

Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
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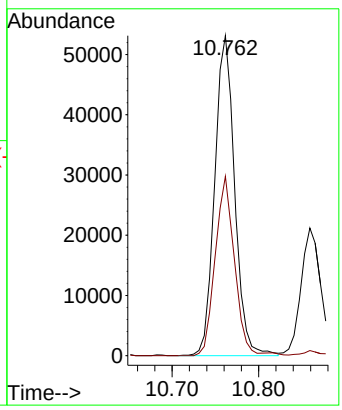
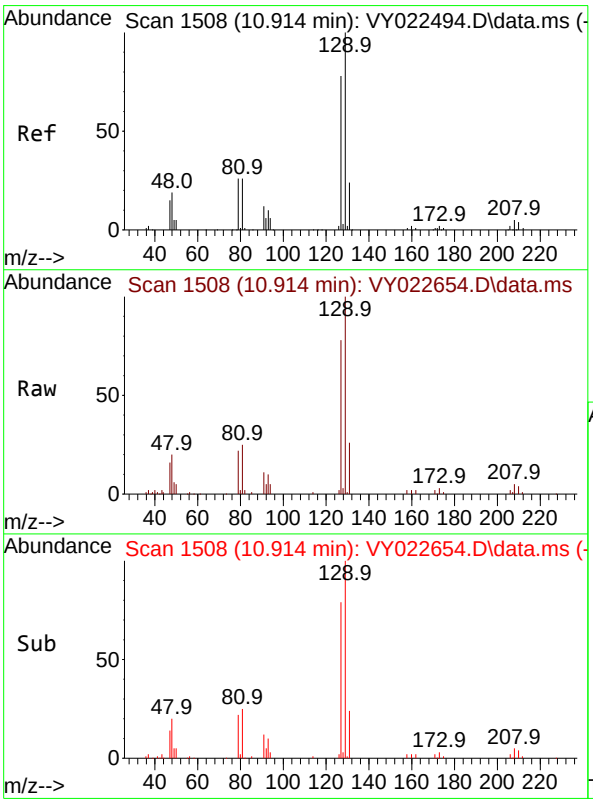
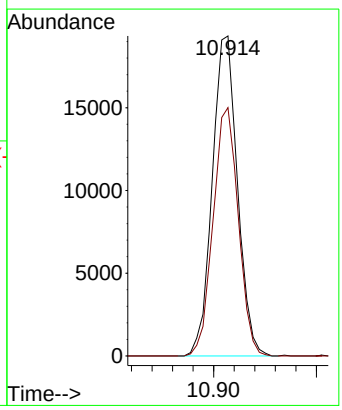


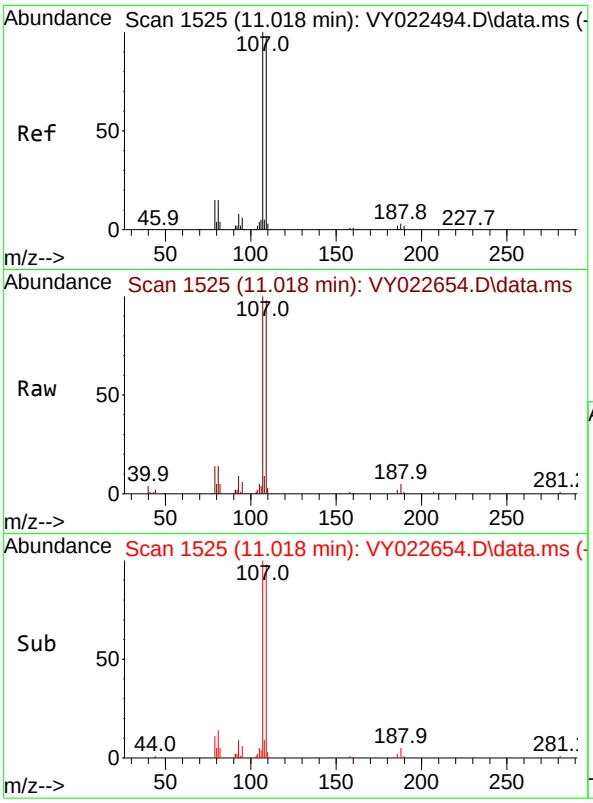


#60
Dibromochloromethane
Concen: 20.254 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:129 Resp: 32871

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2

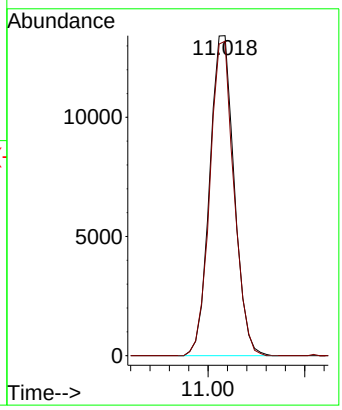




#61
1,2-Dibromoethane
Concen: 20.266 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:107 Resp: 2358

Ion	Ratio	Lower	Upper
107	100		
109	96.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
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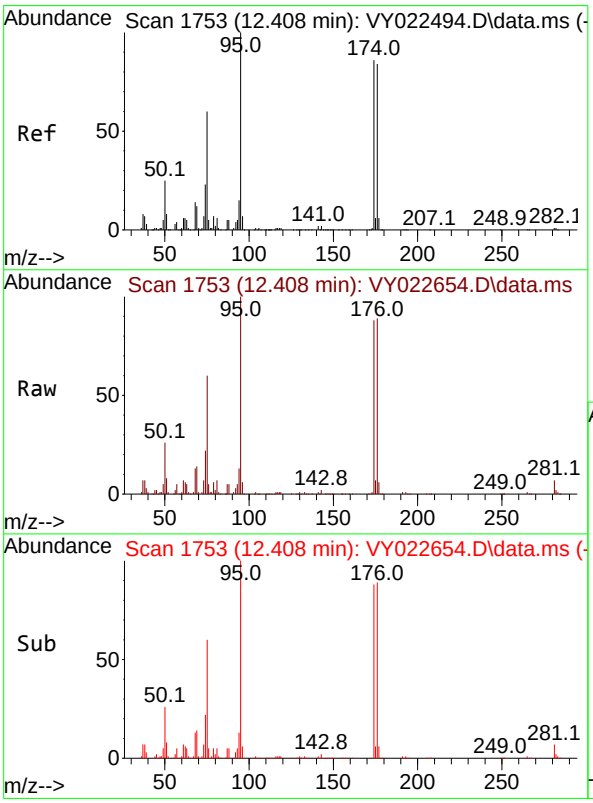
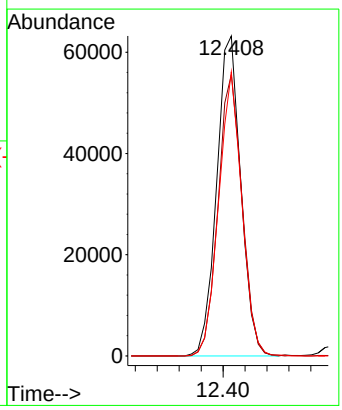
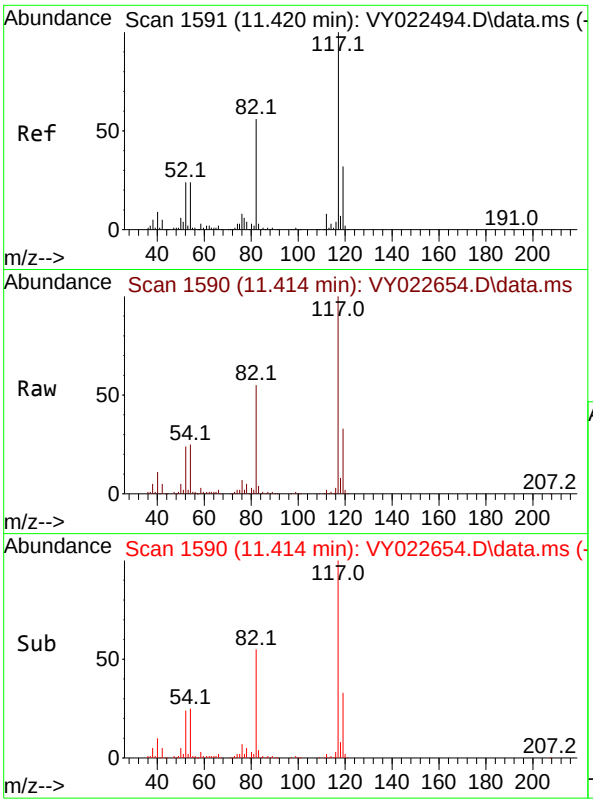


#62
4-Bromofluorobenzene
Concen: 51.128 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 95 Resp: 96721

Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	170.0
176	85.0	0.0	166.2

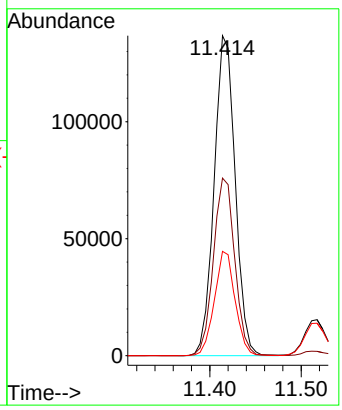




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:117 Resp: 21893

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	66.8
119	32.6	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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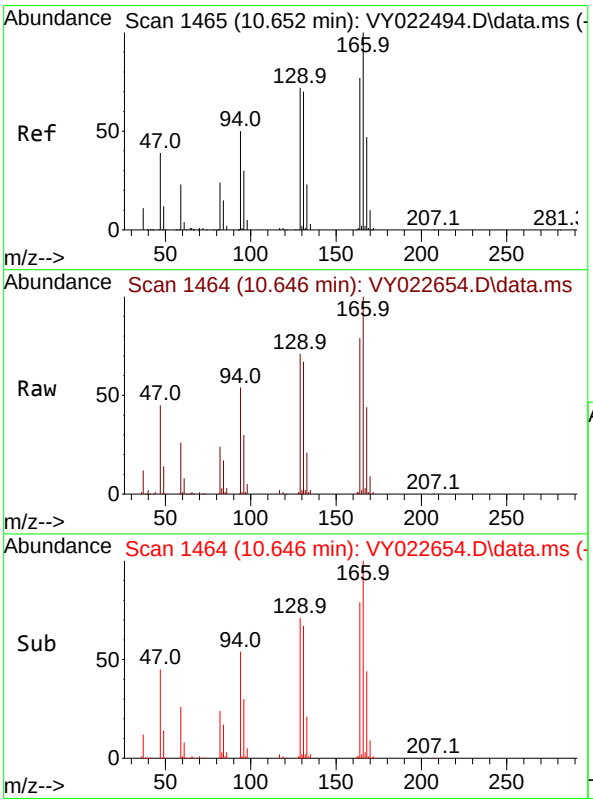
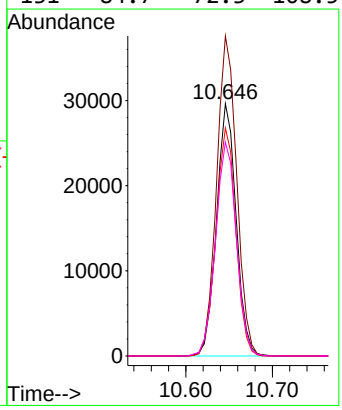
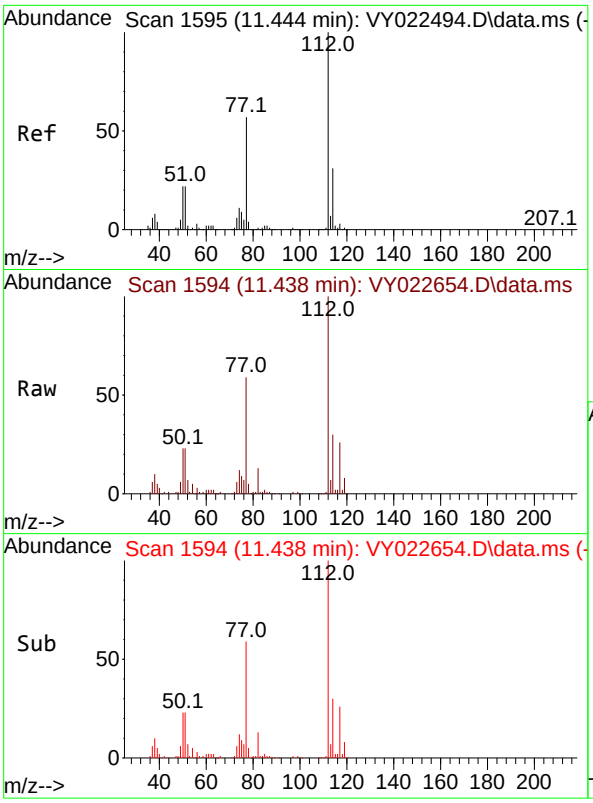


#64
Tetrachloroethene
Concen: 24.806 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:164 Resp: 46718

Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.0	156.0
129	90.3	74.5	111.7
131	84.7	72.3	108.5

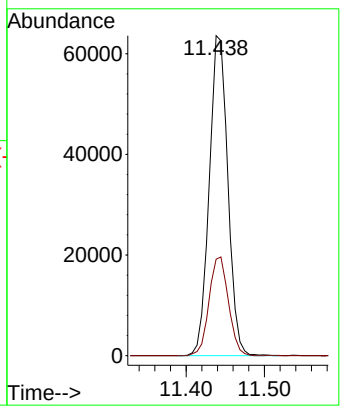




#65
Chlorobenzene
Concen: 21.604 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:112 Resp: 10466

Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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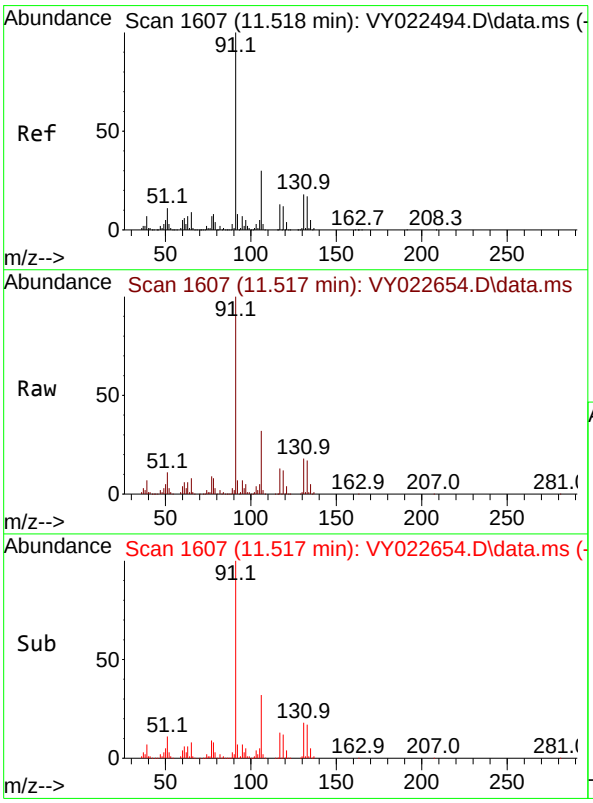
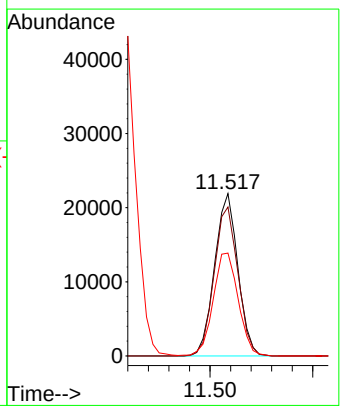
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

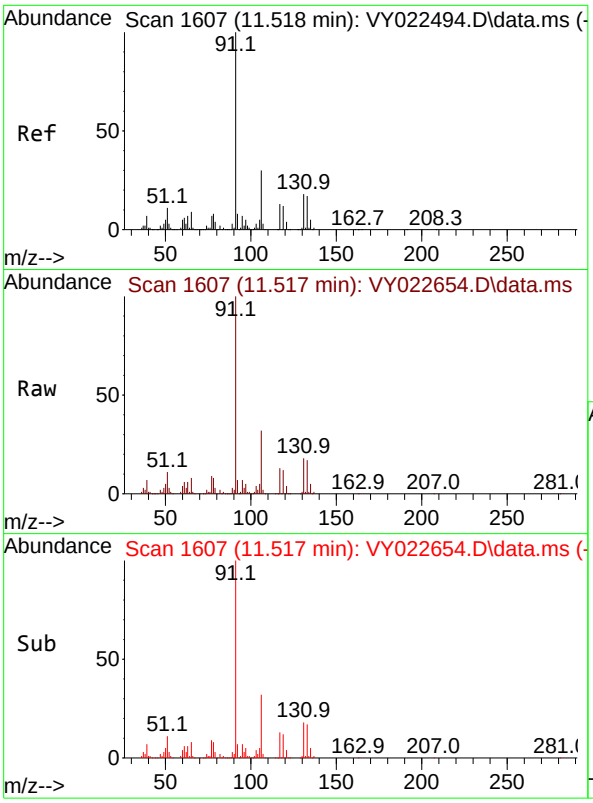


#66
1,1,1,2-Tetrachloroethane
Concen: 21.042 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:131 Resp: 34342

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.8
119	68.3	33.1	99.3

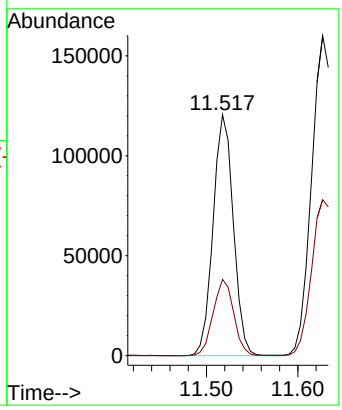




#67
Ethyl Benzene
Concen: 20.670 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 18573

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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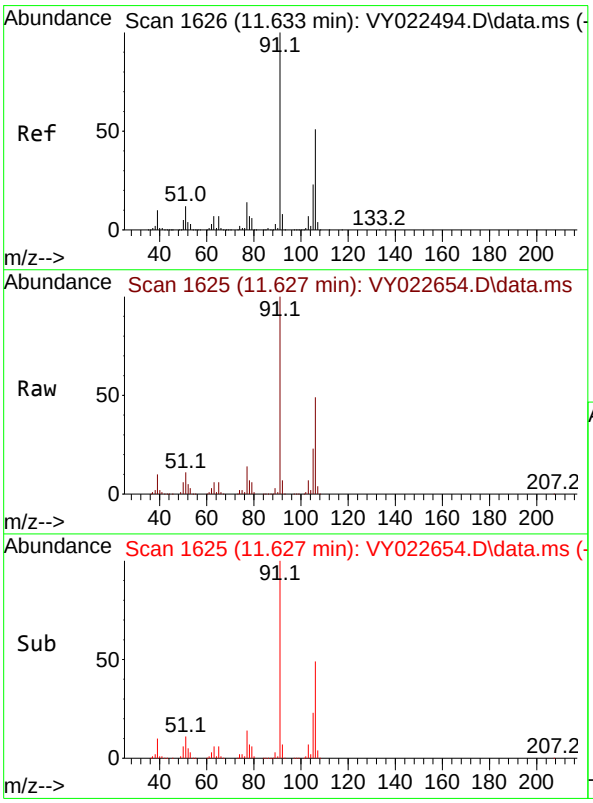
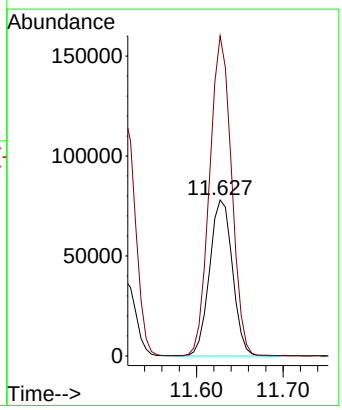
Supervised By :Semsettin Yesilyurt 06/12/2025

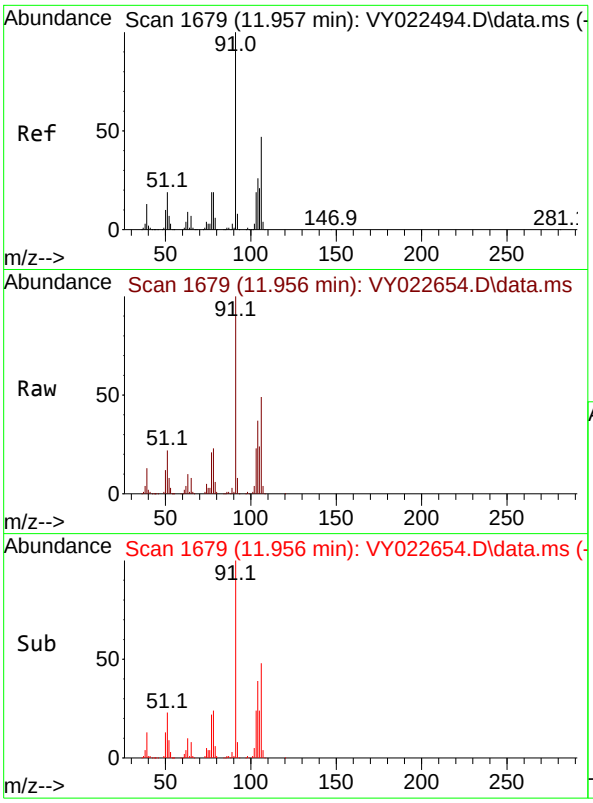


#68
m/p-Xylenes
Concen: 42.072 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:106 Resp: 143316

Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.4	239.0

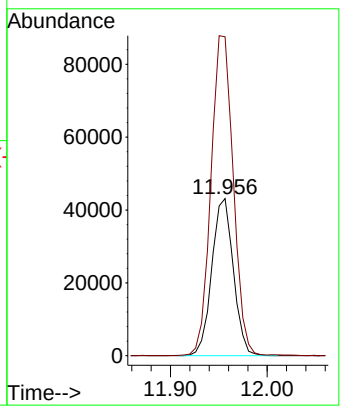




#69
o-Xylene
Concen: 20.891 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:106 Resp: 6672

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3



Instrument :
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ClientSampleId :
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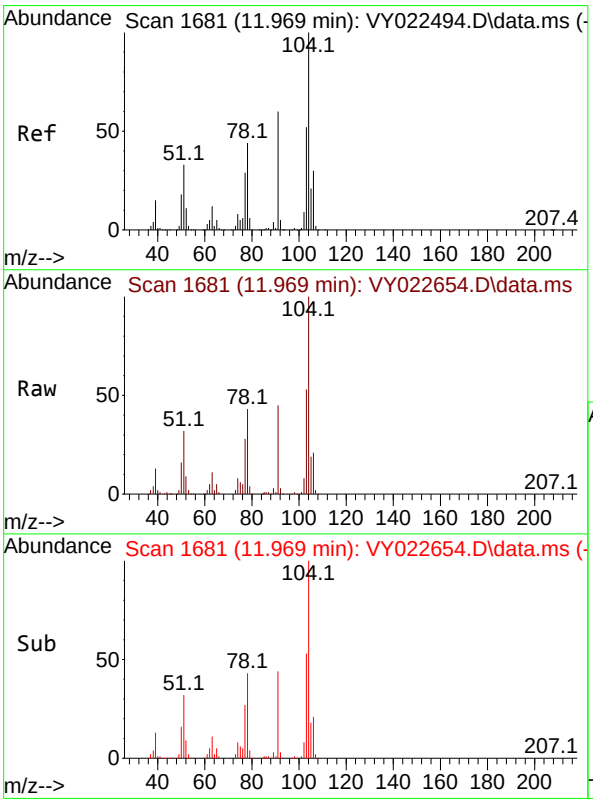
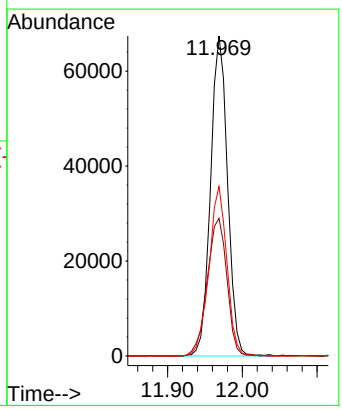
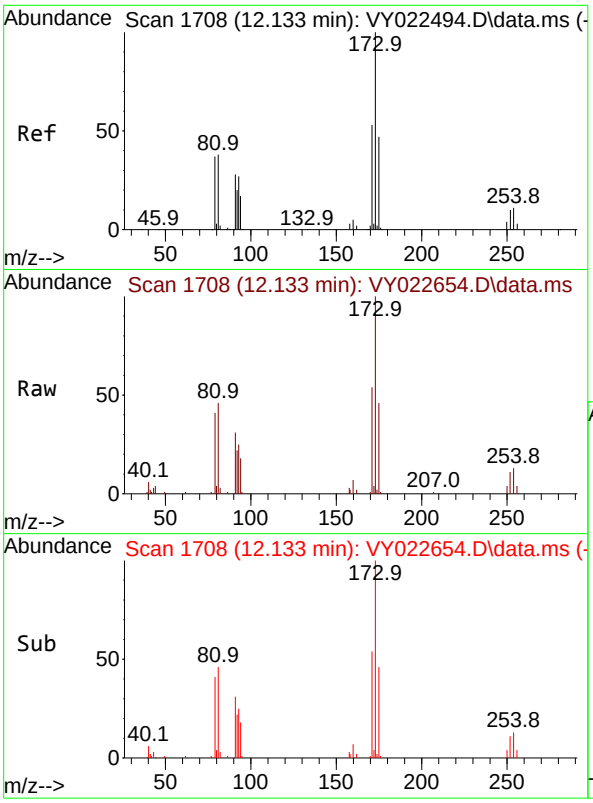


#70
Styrene
Concen: 20.241 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:104 Resp: 106861

Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.5	59.3
103	55.8	44.1	66.1

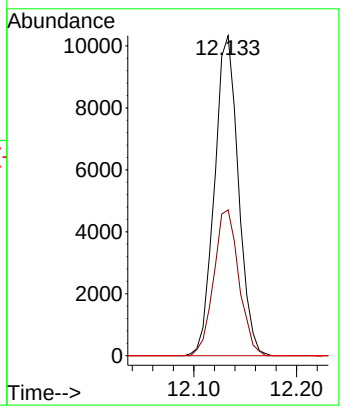




#71
Bromoform
Concen: 19.160 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:173 Resp: 1664

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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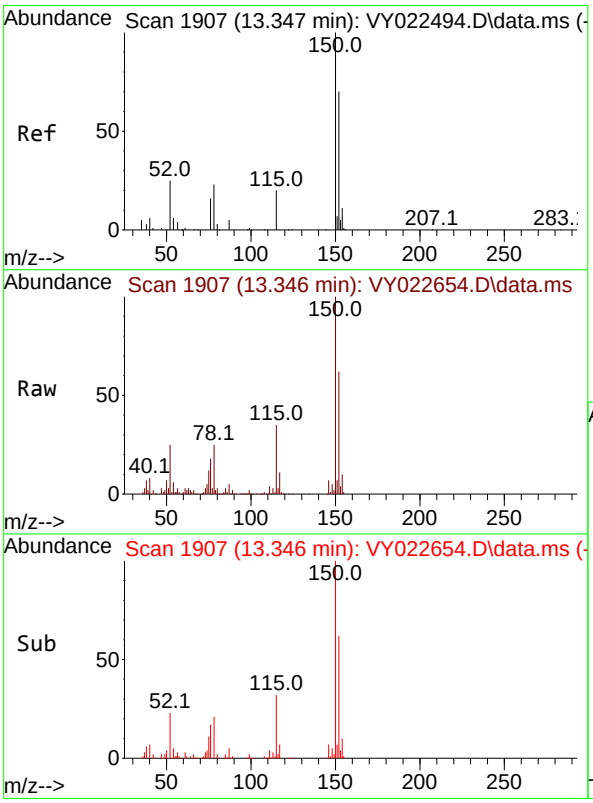
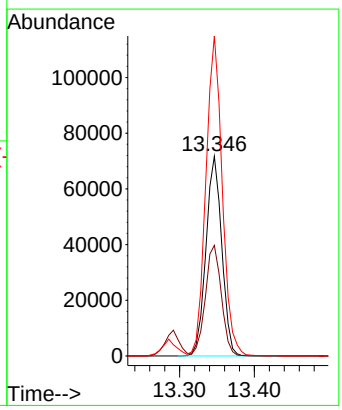
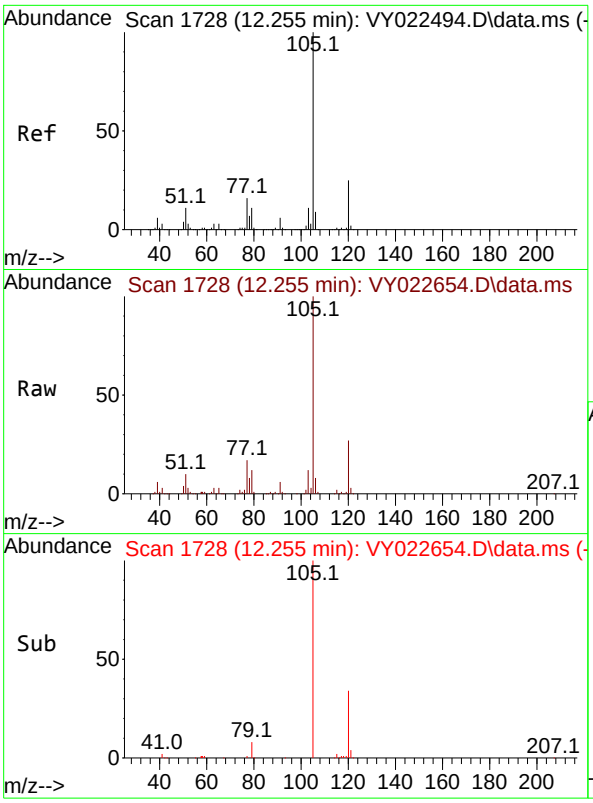


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:152 Resp: 105447

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.9	86.7
150	165.5	0.0	349.6

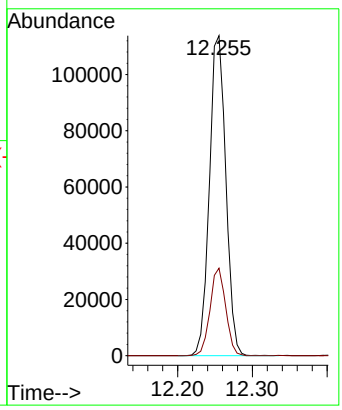




#73
Isopropylbenzene
Concen: 20.133 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:105 Resp: 17429

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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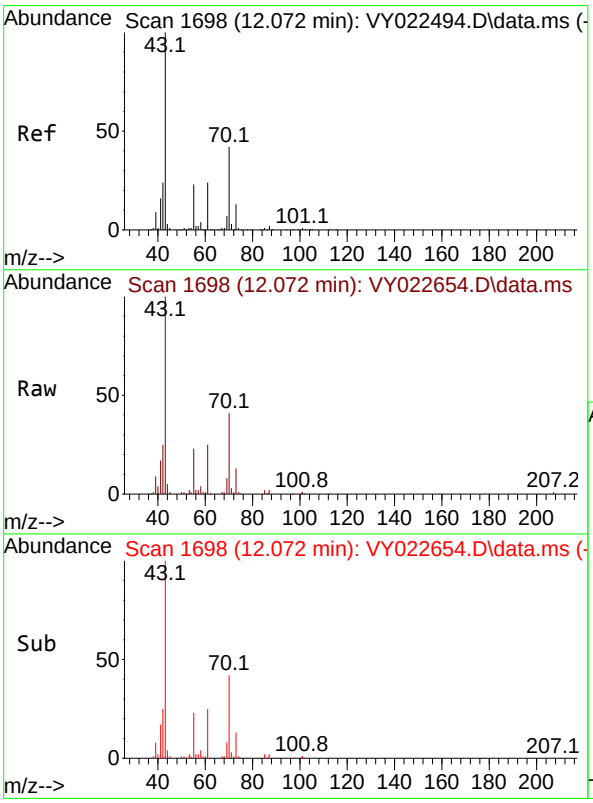
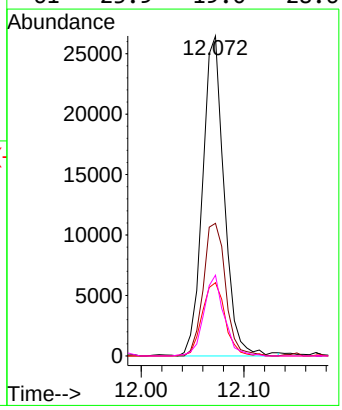
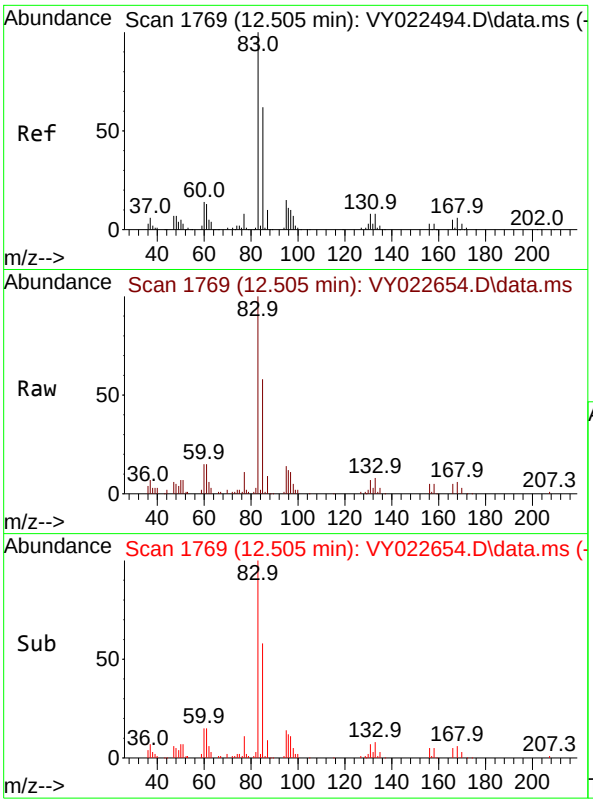


#74
N-amyl acetate
Concen: 17.646 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 38545

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.2	51.2
55	24.5	18.2	27.4
61	23.9	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 17.597 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 83 Resp: 2500

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.6	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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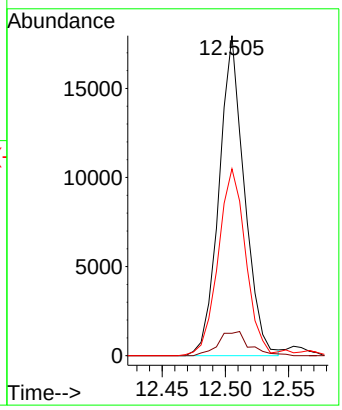
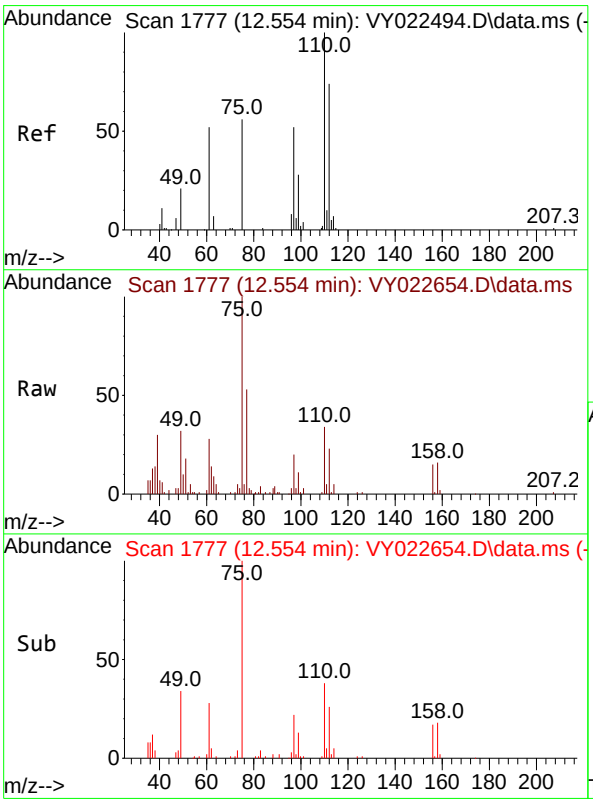
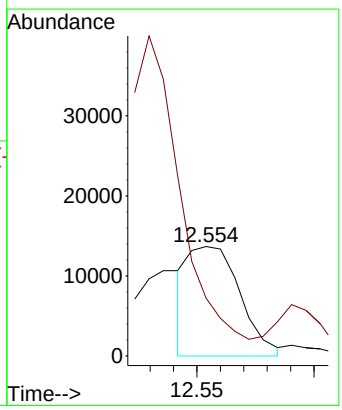


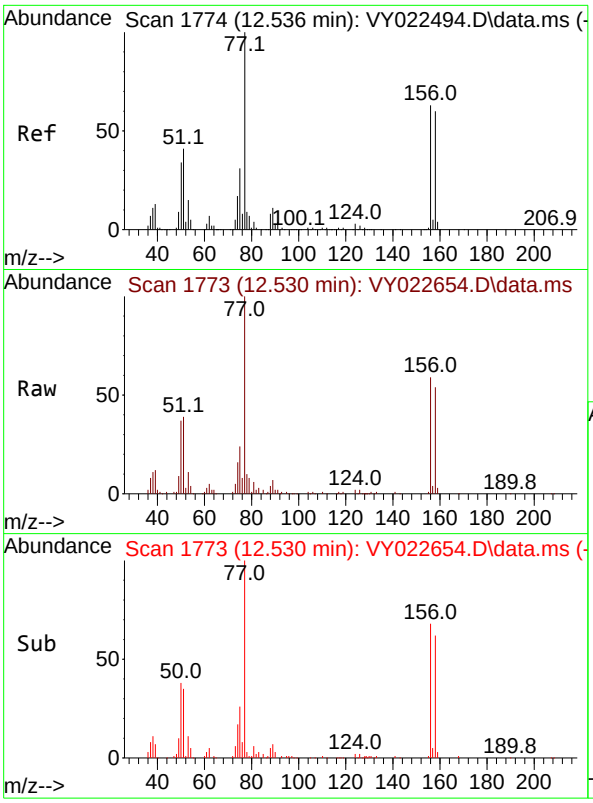


#76
1,2,3-Trichloropropane
Concen: 17.545 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 21166

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

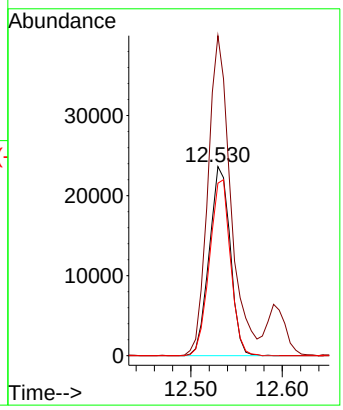




#77
Bromobenzene
Concen: 20.583 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:156 Resp: 3760

Ion	Ratio	Lower	Upper
156	100		
77	183.3	94.0	282.1
158	93.2	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
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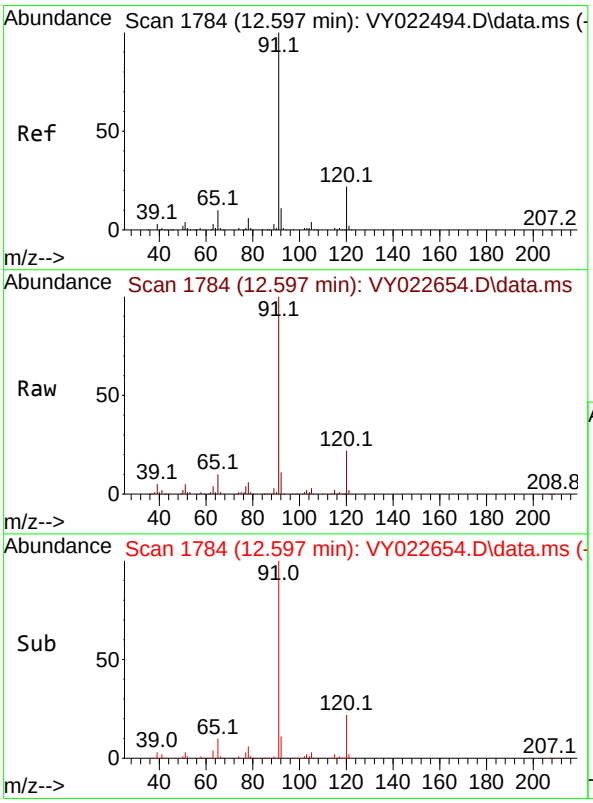
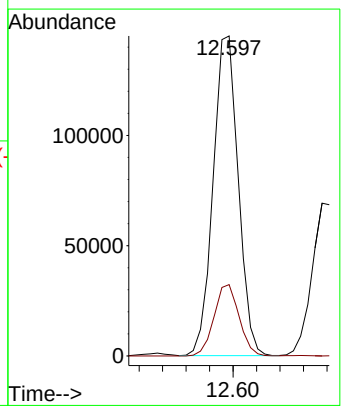
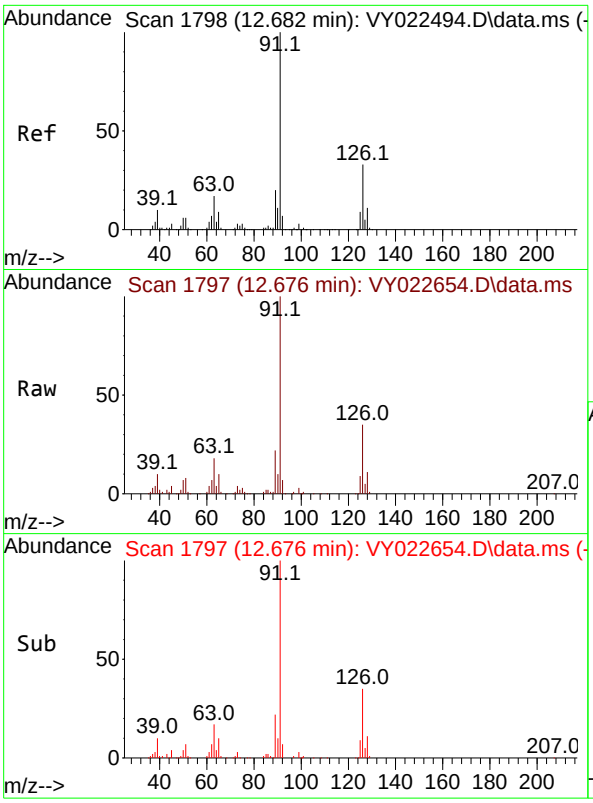


#78
n-propylbenzene
Concen: 20.369 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 215383

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.007 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 11212

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
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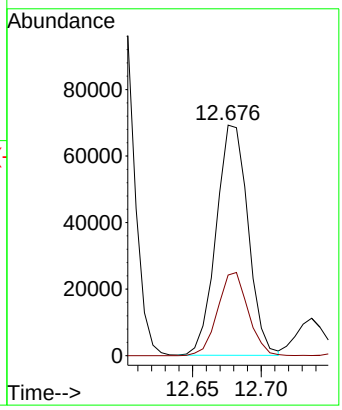
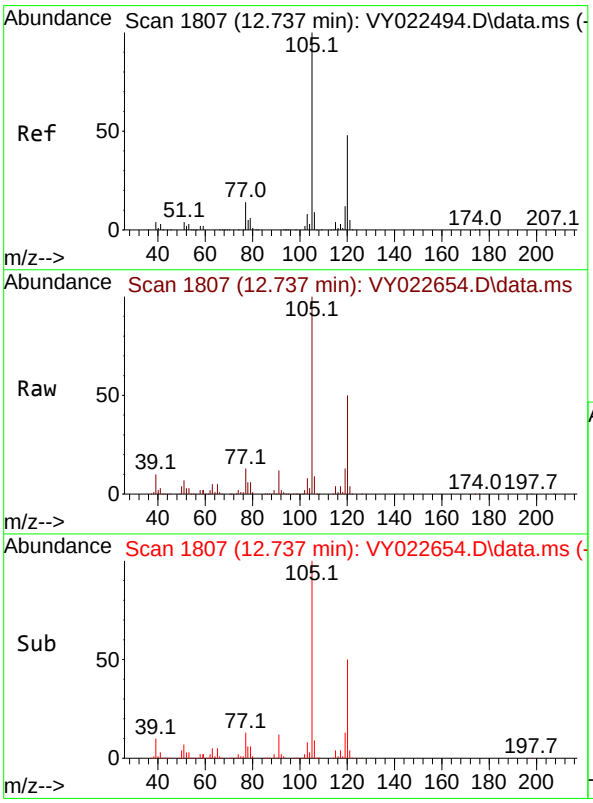
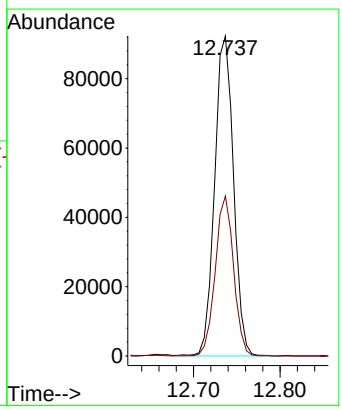


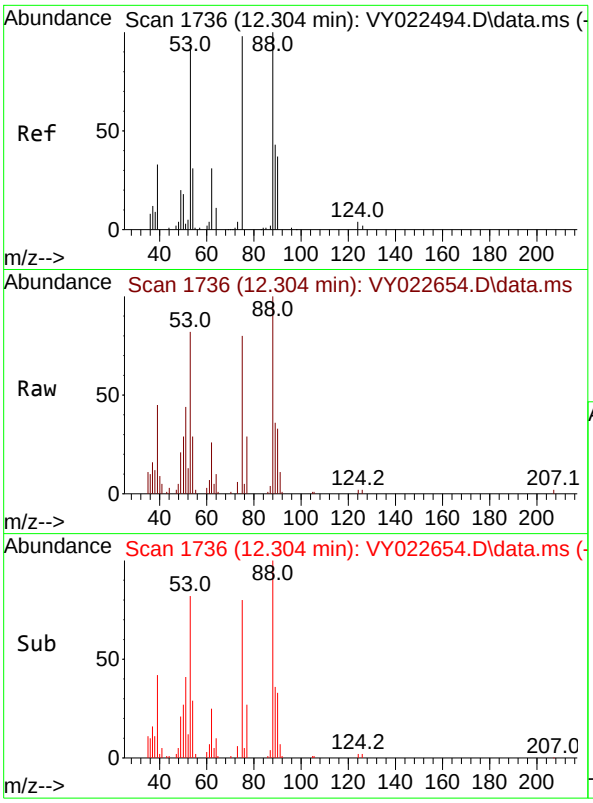


#80
1,3,5-Trimethylbenzene
Concen: 20.548 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:105 Resp: 139655

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.1	72.4

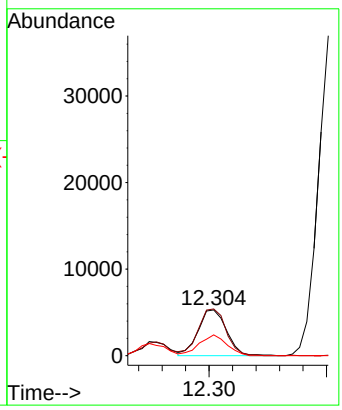




#81
trans-1,4-Dichloro-2-butene
Concen: 17.758 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 887

Ion	Ratio	Lower	Upper
75	100		
53	100.1	78.5	117.7
89	43.9	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
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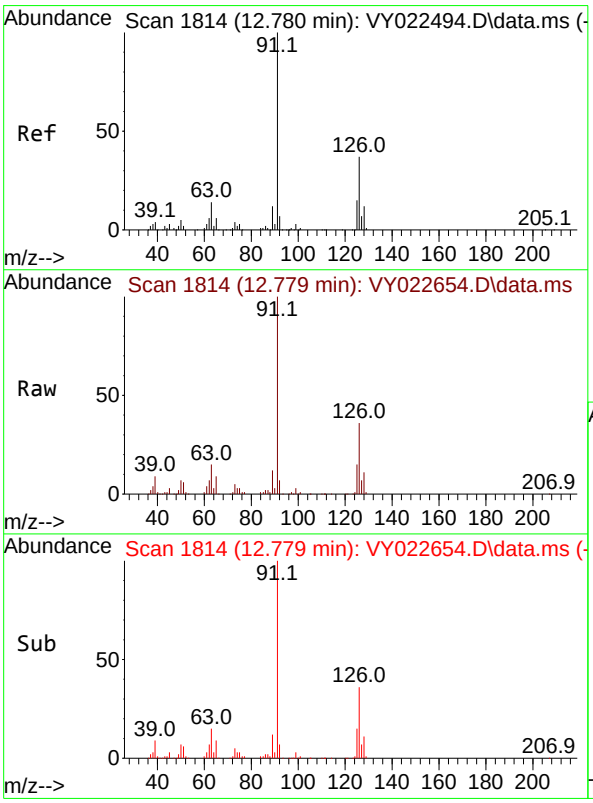
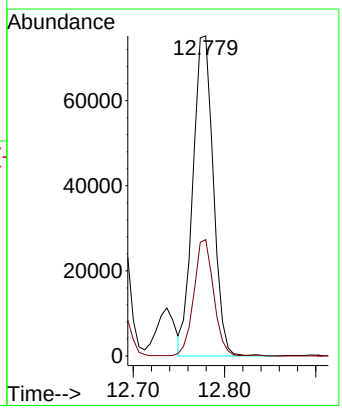
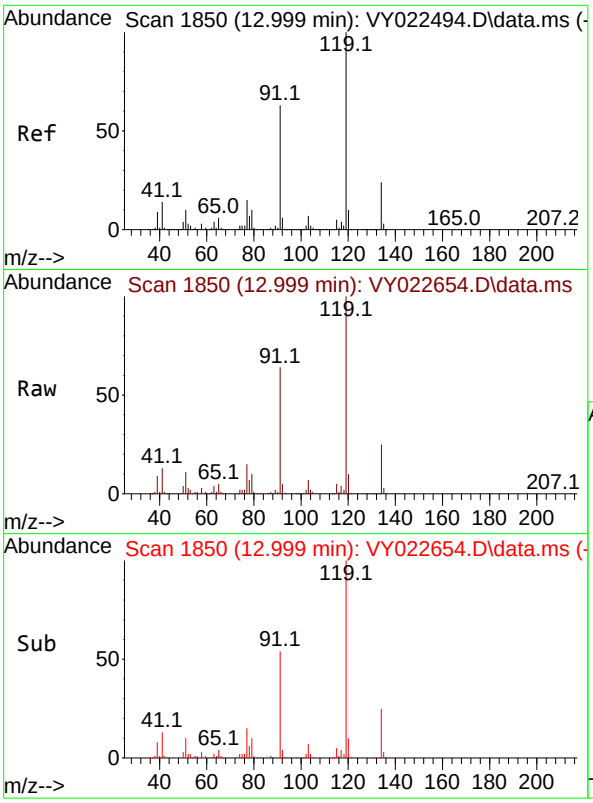


#82
4-Chlorotoluene
Concen: 20.166 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 116584

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.0	50.9

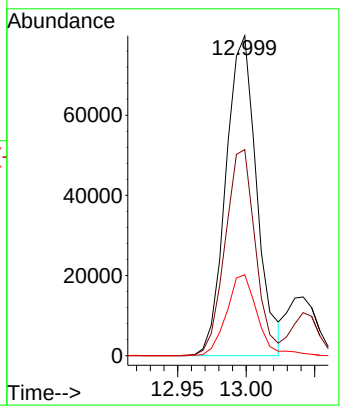




#83
tert-Butylbenzene
Concen: 20.490 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:119 Resp: 12499

Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.1	96.3
134	25.4	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

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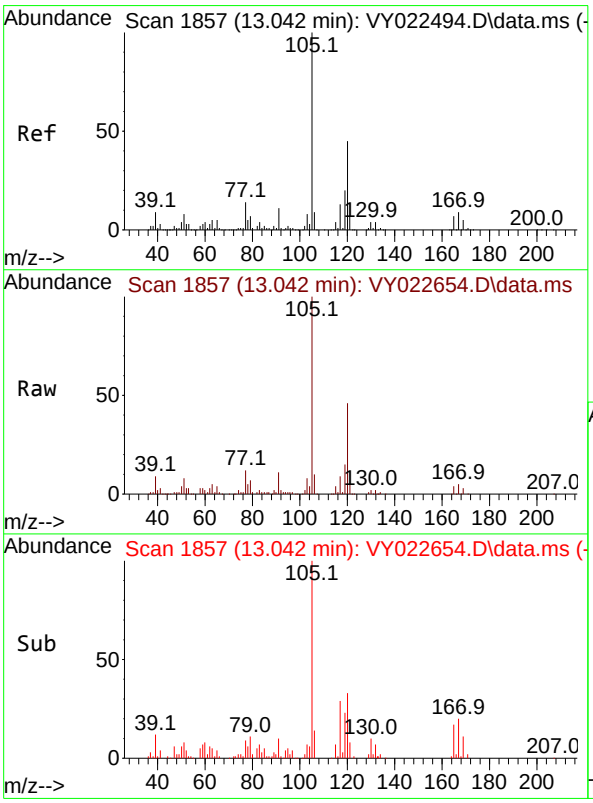
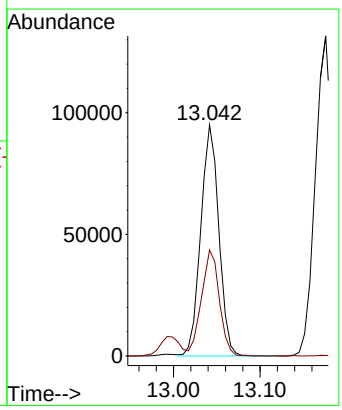
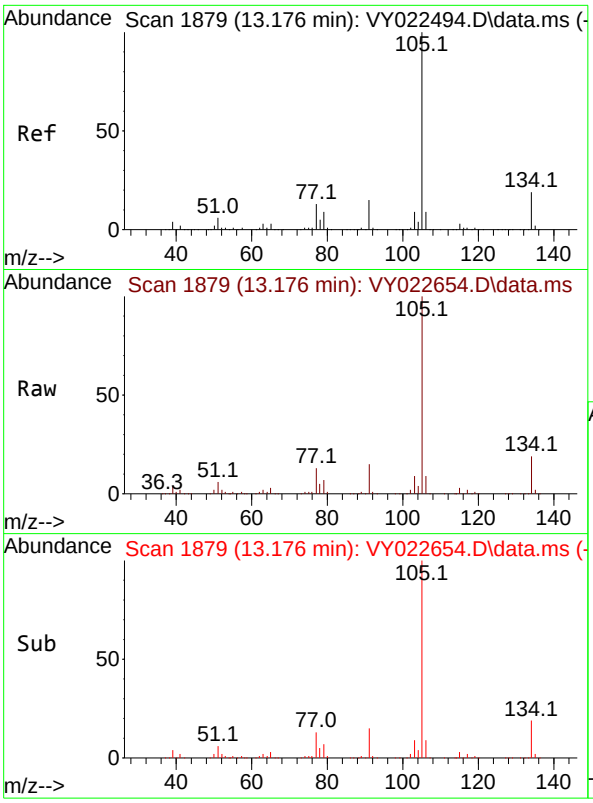


#84
1,2,4-Trimethylbenzene
Concen: 20.248 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:105 Resp: 137643

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1

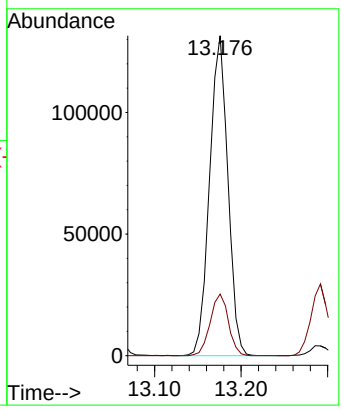




#85
sec-Butylbenzene
Concen: 20.630 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:105 Resp: 19273

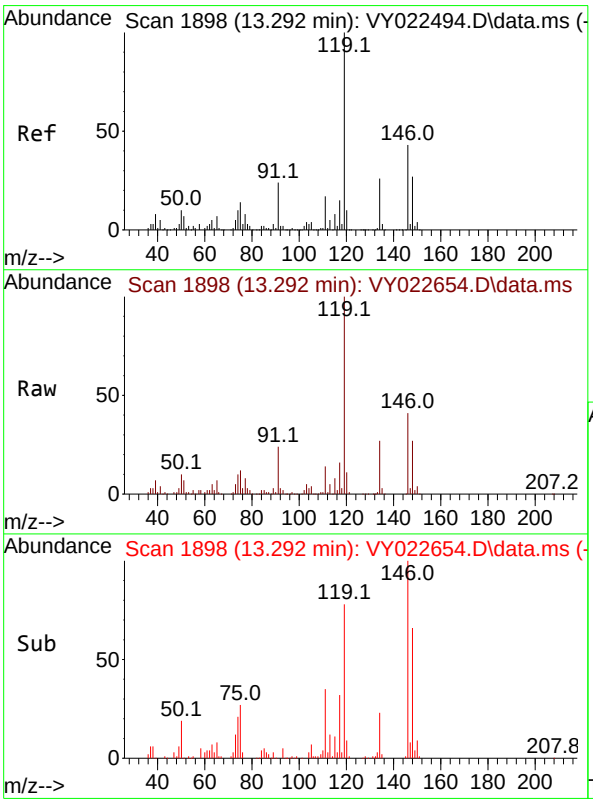
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
APPROVED

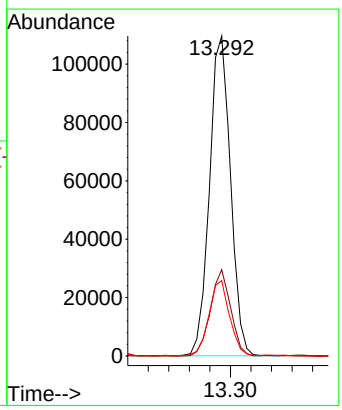
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

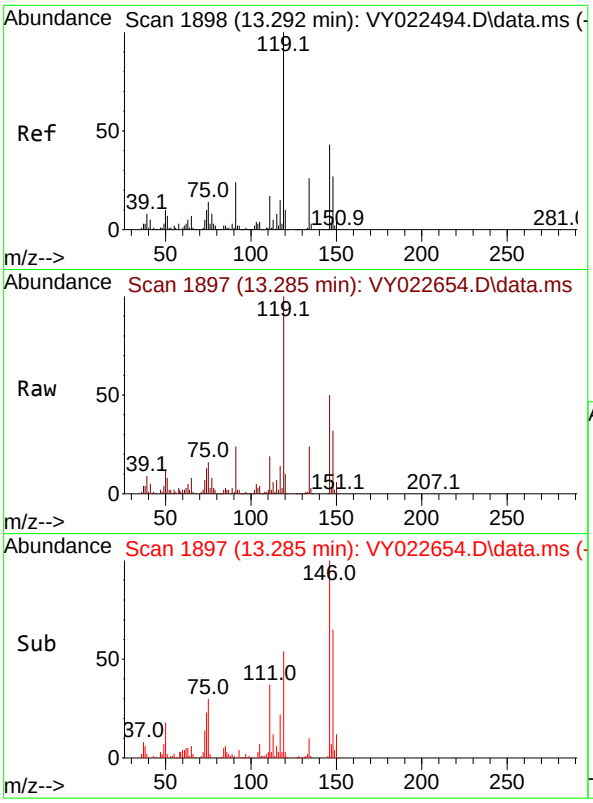


#86
p-Isopropyltoluene
Concen: 20.196 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:119 Resp: 155523

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8

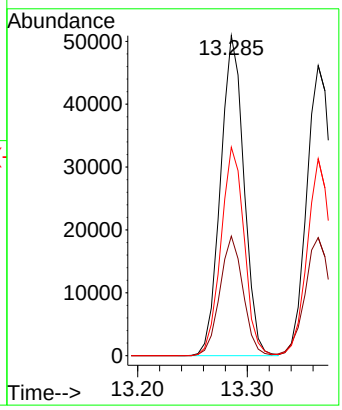




#87
1,3-Dichlorobenzene
Concen: 20.448 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:146 Resp: 7568

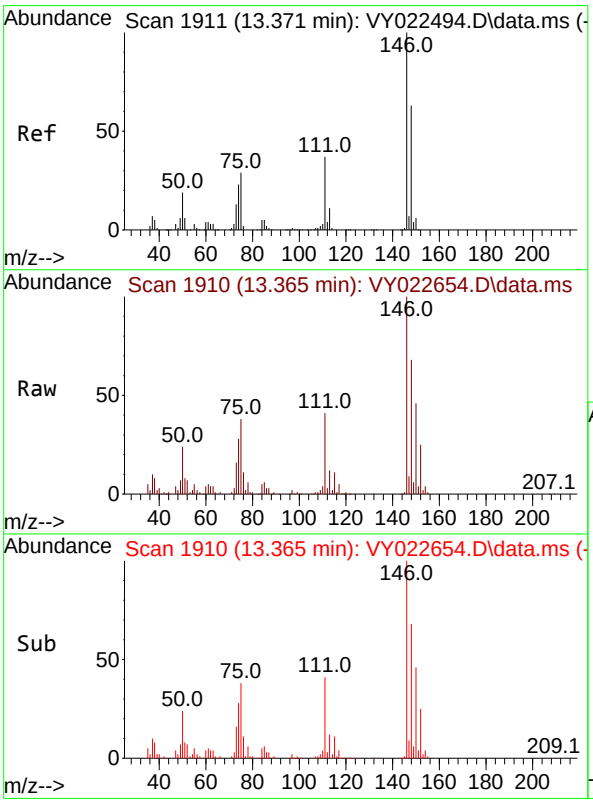
Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.1	60.2
148	64.7	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
APPROVED

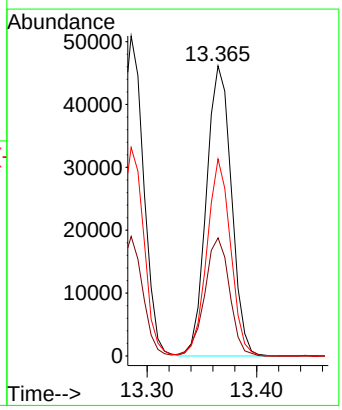
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

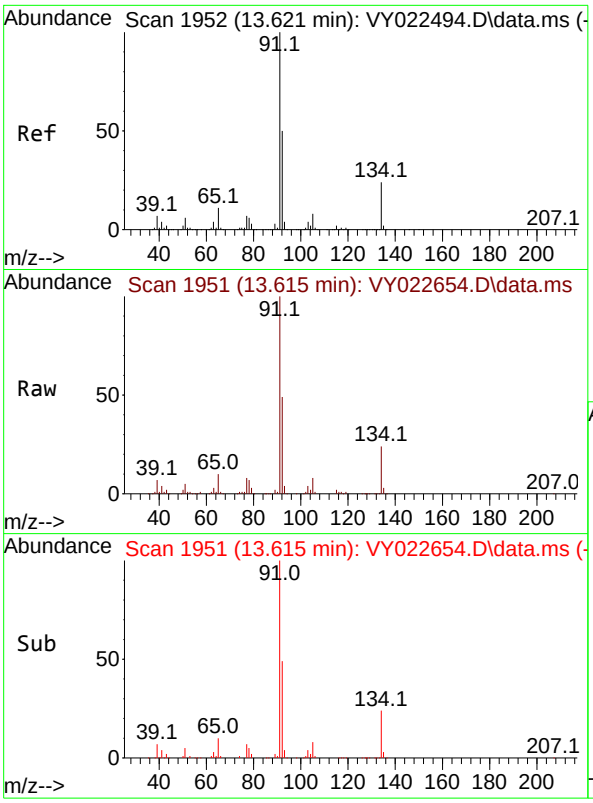


#88
1,4-Dichlorobenzene
Concen: 20.409 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:146 Resp: 73268

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.4	58.2
148	64.3	31.6	94.8

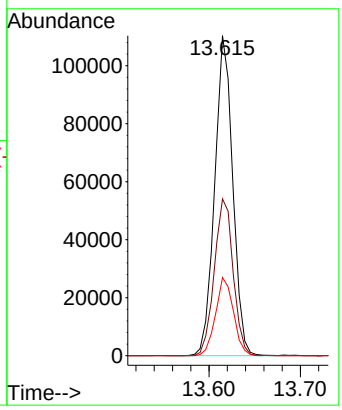




#89
n-Butylbenzene
Concen: 20.720 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 15138

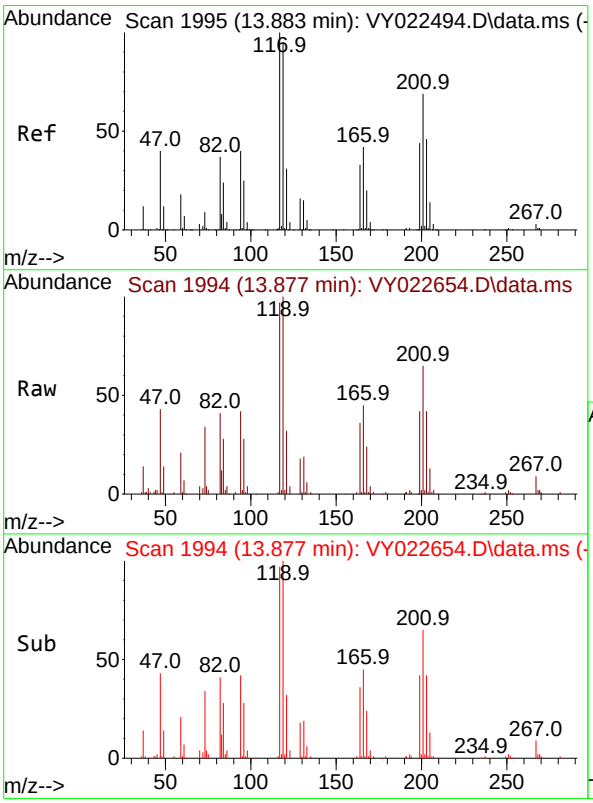
Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.8
134	24.3	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
APPROVED

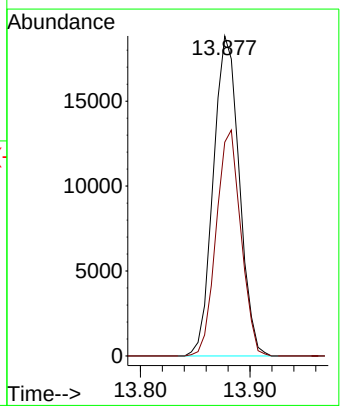
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

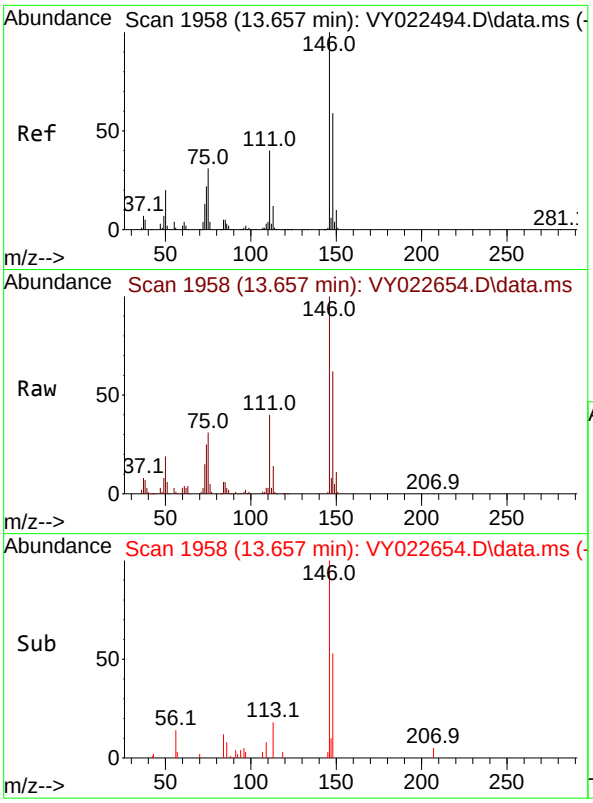


#90
Hexachloroethane
Concen: 20.674 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:117 Resp: 30995

Ion	Ratio	Lower	Upper
117	100		
201	67.3	34.0	102.0

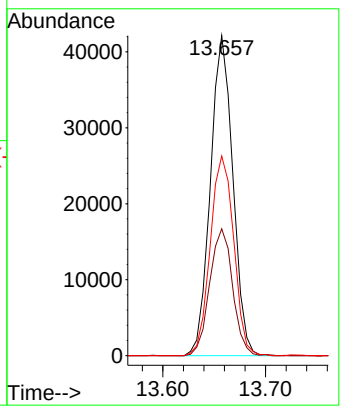




#91
1,2-Dichlorobenzene
Concen: 20.327 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:146 Resp: 6387

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	65.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
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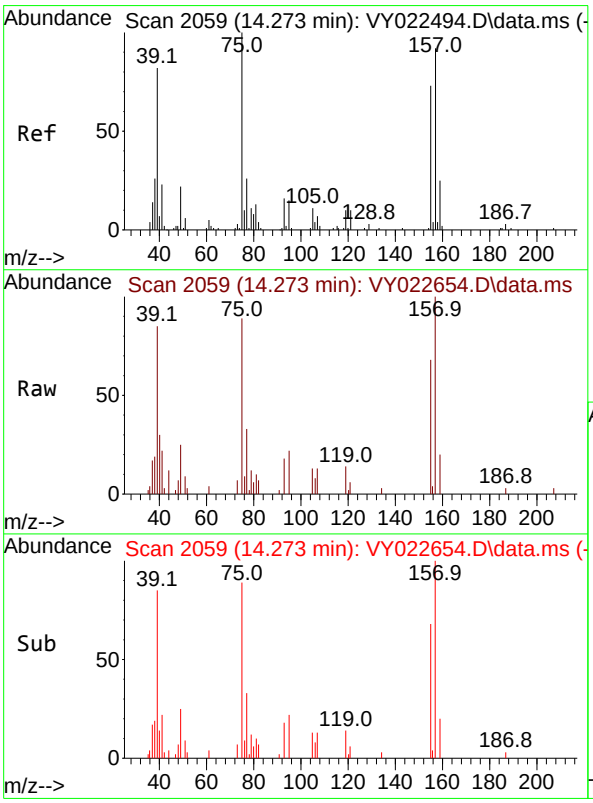
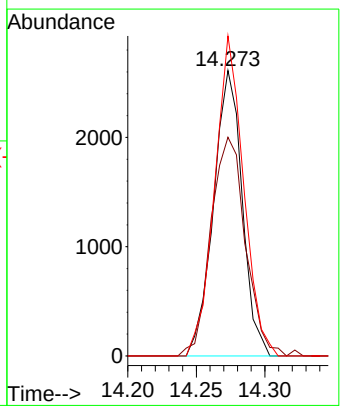
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

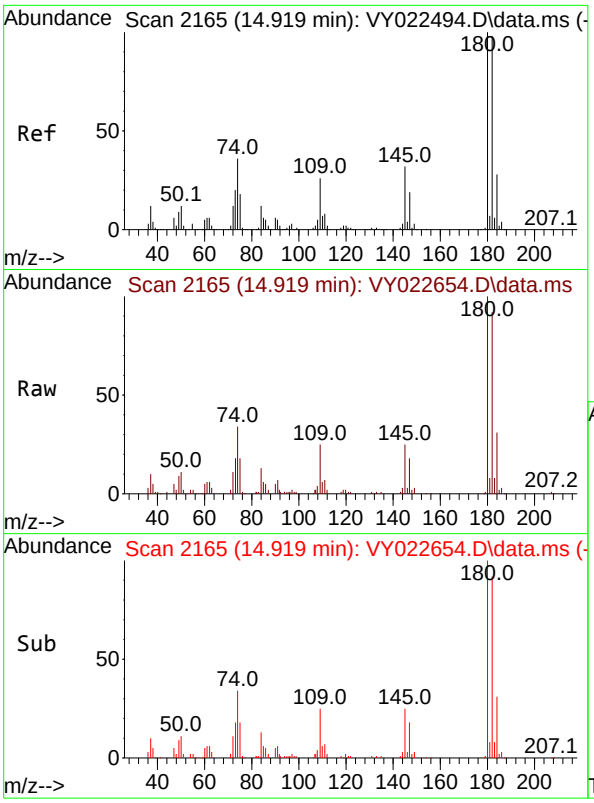


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.311 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 3788

Ion	Ratio	Lower	Upper
75	100		
155	92.9	39.9	119.6
157	113.7	54.0	162.0

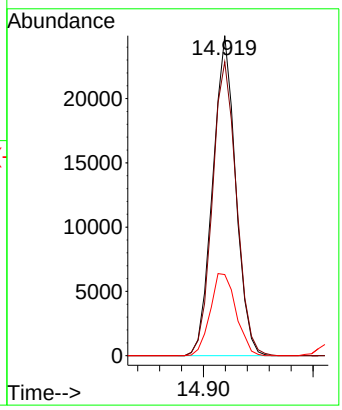




#93
1,2,4-Trichlorobenzene
Concen: 21.098 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:180 Resp: 3616

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.3
145	28.9	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Manual Integrations
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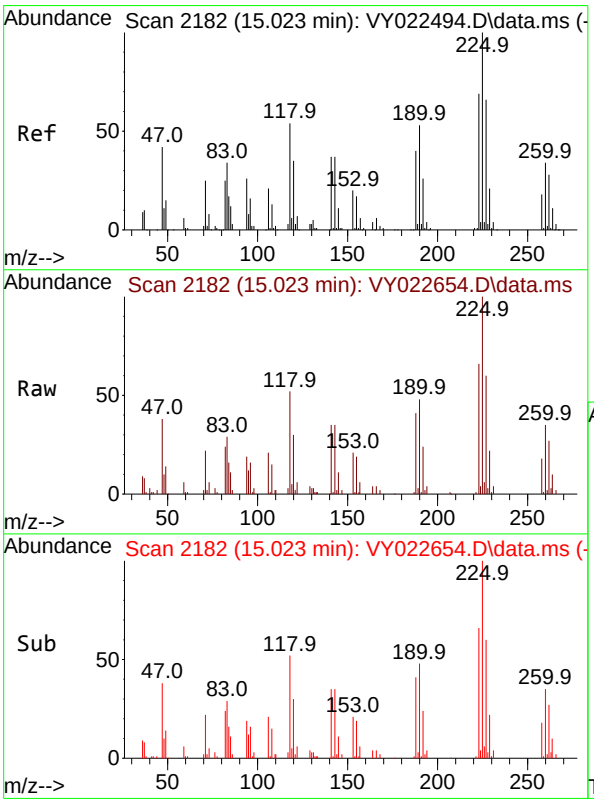
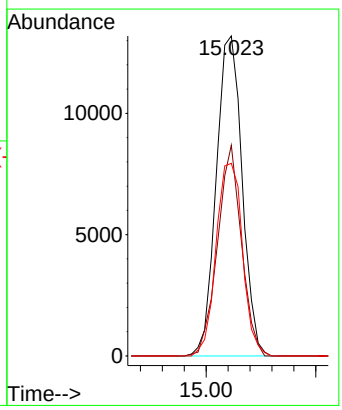
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

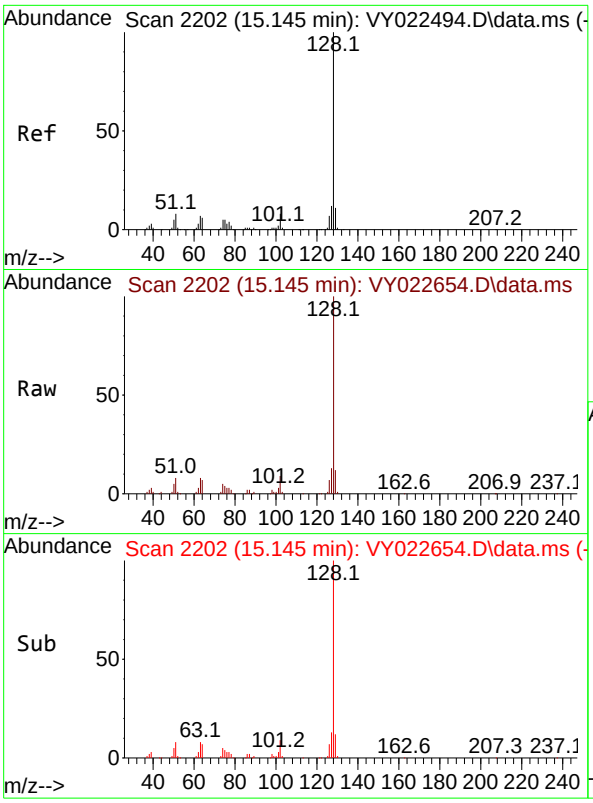


#94
Hexachlorobutadiene
Concen: 22.834 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:225 Resp: 21601

Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.5	97.4
227	61.5	32.3	96.9

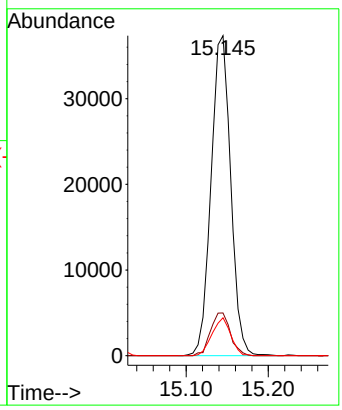




#95
Naphthalene
Concen: 18.852 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

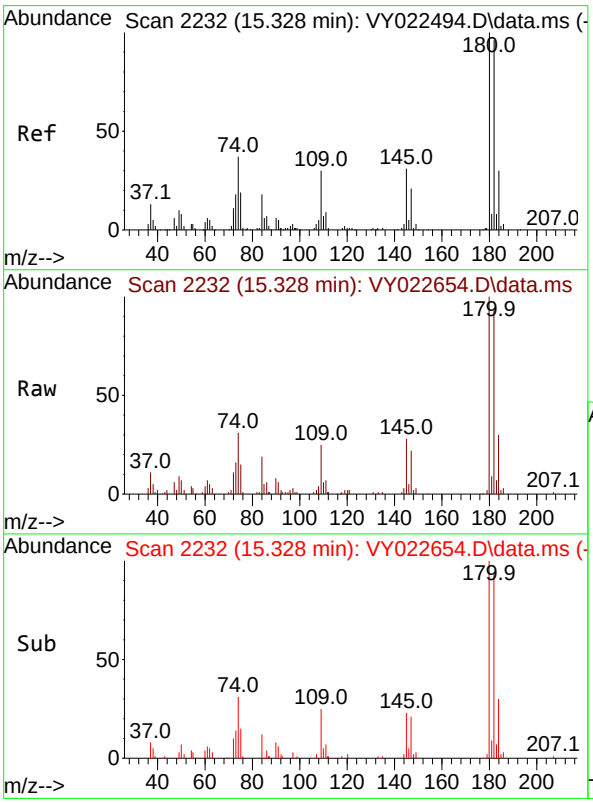
Tgt Ion:128 Resp: 6200

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.3	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

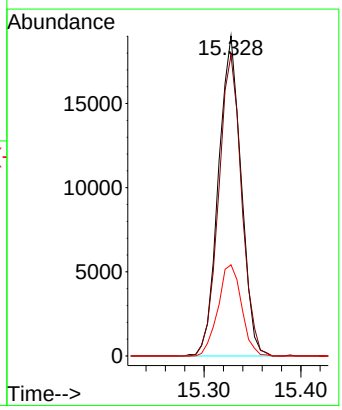
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.038 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:180 Resp: 30902

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.3
145	29.6	15.2	45.6



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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0611SBSD01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022655.D	1		06/11/25 11:23	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.022		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.023		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.023		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.024		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.10		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.025		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	0.10		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.15		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	0.023		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.022		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.12		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	0.022		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.022		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.022		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	0.022		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.022		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.022		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.022		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	0.022		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.098		0.0036	0.013	0.025	mg/Kg

Alliance TECHNICAL GROUP
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:	VY0611SBSD01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022655.D	1		06/11/25 11:23	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.022		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.022		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	0.11		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.025		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.022		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	0.020		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	0.020		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	0.020		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	0.022		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:	VY0611SBSD01	SDG No.:	Q2259
Lab Sample ID:	VY0611SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022655.D	1		06/11/25 11:23	VY061125

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	0.021		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.022		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.0		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.707				
540-36-3	1,4-Difluorobenzene	261000	8.616				
3114-55-4	Chlorobenzene-d5	216000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	102000	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\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	102308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87123	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.634	113	80454	51.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.109	98	328033	52.037	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.402	95	91618	48.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	30403	22.009	ug/l	98
3) Chloromethane	2.068	50	76247	18.684	ug/l	99
4) Vinyl Chloride	2.202	62	110194	23.276	ug/l	97
5) Bromomethane	2.586	94	101895	22.456	ug/l	98
6) Chloroethane	2.733	64	77966	23.993	ug/l	91
7) Trichlorofluoromethane	3.050	101	100530	25.013	ug/l	98
8) Diethyl Ether	3.452	74	19482	21.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	37758	22.306	ug/l	99
10) Methyl Iodide	4.001	142	35808	19.548	ug/l	99
11) Tert butyl alcohol	4.866	59	13088	106.187	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	33677	20.814	ug/l	96
13) Acrolein	3.653	56	11169	72.712	ug/l	85
14) Allyl chloride	4.379	41	51189	20.153	ug/l	98
15) Acrylonitrile	5.055	53	39623	103.367	ug/l	99
16) Acetone	3.867	43	51236	146.196	ug/l	97
17) Carbon Disulfide	4.104	76	105015	20.273	ug/l	98
18) Methyl Acetate	4.385	43	20954	20.191	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	92788	20.360	ug/l	100
20) Methylene Chloride	4.616	84	45698	22.955	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	39459	21.790	ug/l	84
22) Diisopropyl ether	6.019	45	116281	20.566	ug/l	98
23) Vinyl Acetate	5.958	43	332344	99.313	ug/l	97
24) 1,1-Dichloroethane	5.915	63	71877	21.579	ug/l	99
25) 2-Butanone	6.896	43	59713	118.122	ug/l	98
26) 2,2-Dichloropropane	6.884	77	61544	20.912	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	45141	21.567	ug/l	98
28) Bromochloromethane	7.244	49	30556	21.045	ug/l	100
29) Tetrahydrofuran	7.262	42	32926	100.986	ug/l	99
30) Chloroform	7.421	83	73770	22.360	ug/l	96
31) Cyclohexane	7.701	56	64272	19.382	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	64586	22.053	ug/l	99
36) 1,1-Dichloropropene	7.835	75	53788	21.243	ug/l	99
37) Ethyl Acetate	6.988	43	24204m	21.435	ug/l	
38) Carbon Tetrachloride	7.817	117	55462	21.352	ug/l	92
39) Methylcyclohexane	9.110	83	68129	20.022	ug/l	99
40) Benzene	8.079	78	163413	21.851	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	11060	16.769 ug/l #	88
42) 1,2-Dichloroethane	8.158	62	44229	21.660 ug/l	98
43) Isopropyl Acetate	8.195	43	48754	19.992 ug/l	96
44) Trichloroethene	8.866	130	39874	21.815 ug/l	97
45) 1,2-Dichloropropane	9.140	63	38405	21.729 ug/l	96
46) Dibromomethane	9.231	93	21044	21.164 ug/l	97
47) Bromodichloromethane	9.427	83	55680	22.084 ug/l	97
48) Methyl methacrylate	9.225	41	22107m	19.315 ug/l	
49) 1,4-Dioxane	9.238	88	4781	405.855 ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	119284	98.107 ug/l	96
52) Toluene	10.170	92	101252	21.544 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	48733	20.629 ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	57255	20.820 ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	27620	21.784 ug/l	96
56) Ethyl methacrylate	10.439	69	35231	19.225 ug/l	99
57) 1,3-Dichloropropane	10.719	76	48083	21.396 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	84651	101.741 ug/l	99
59) 2-Hexanone	10.762	43	88514	108.852 ug/l	99
60) Dibromochloromethane	10.914	129	34405	21.352 ug/l	98
61) 1,2-Dibromoethane	11.012	107	24433	21.142 ug/l	98
64) Tetrachloroethene	10.646	164	45809	24.611 ug/l	97
65) Chlorobenzene	11.438	112	104686	21.864 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	33988	21.071 ug/l	97
67) Ethyl Benzene	11.518	91	184235	20.745 ug/l	98
68) m/p-Xylenes	11.627	106	140858	41.839 ug/l	100
69) o-Xylene	11.950	106	65306	20.690 ug/l	100
70) Styrene	11.969	104	108428	20.781 ug/l	98
71) Bromoform	12.133	173	17443	20.322 ug/l #	97
73) Isopropylbenzene	12.255	105	175327	20.874 ug/l	100
74) N-amyl acetate	12.066	43	40443	19.083 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	26860	19.484 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	20540m	17.549 ug/l	
77) Bromobenzene	12.530	156	37003	20.876 ug/l	99
78) n-propylbenzene	12.591	91	215673	21.023 ug/l	99
79) 2-Chlorotoluene	12.676	91	111836	20.568 ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	136959	20.769 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	8836	18.231 ug/l	94
82) 4-Chlorotoluene	12.774	91	114316	20.380 ug/l	96
83) tert-Butylbenzene	12.993	119	122545	20.705 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	135799	20.590 ug/l	99
85) sec-Butylbenzene	13.170	105	191535	21.130 ug/l	100
86) p-Isopropyltoluene	13.292	119	155151	20.765 ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	76368	21.265 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	75907	21.792 ug/l	100
89) n-Butylbenzene	13.615	91	148942	21.011 ug/l	99
90) Hexachloroethane	13.877	117	31366	21.563 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	65316	21.421 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4000	19.929 ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	34227	20.582 ug/l	98
94) Hexachlorobutadiene	15.023	225	20570	22.411 ug/l	98
95) Naphthalene	15.139	128	65657	20.574 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	29376	20.612 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

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\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations APPROVED

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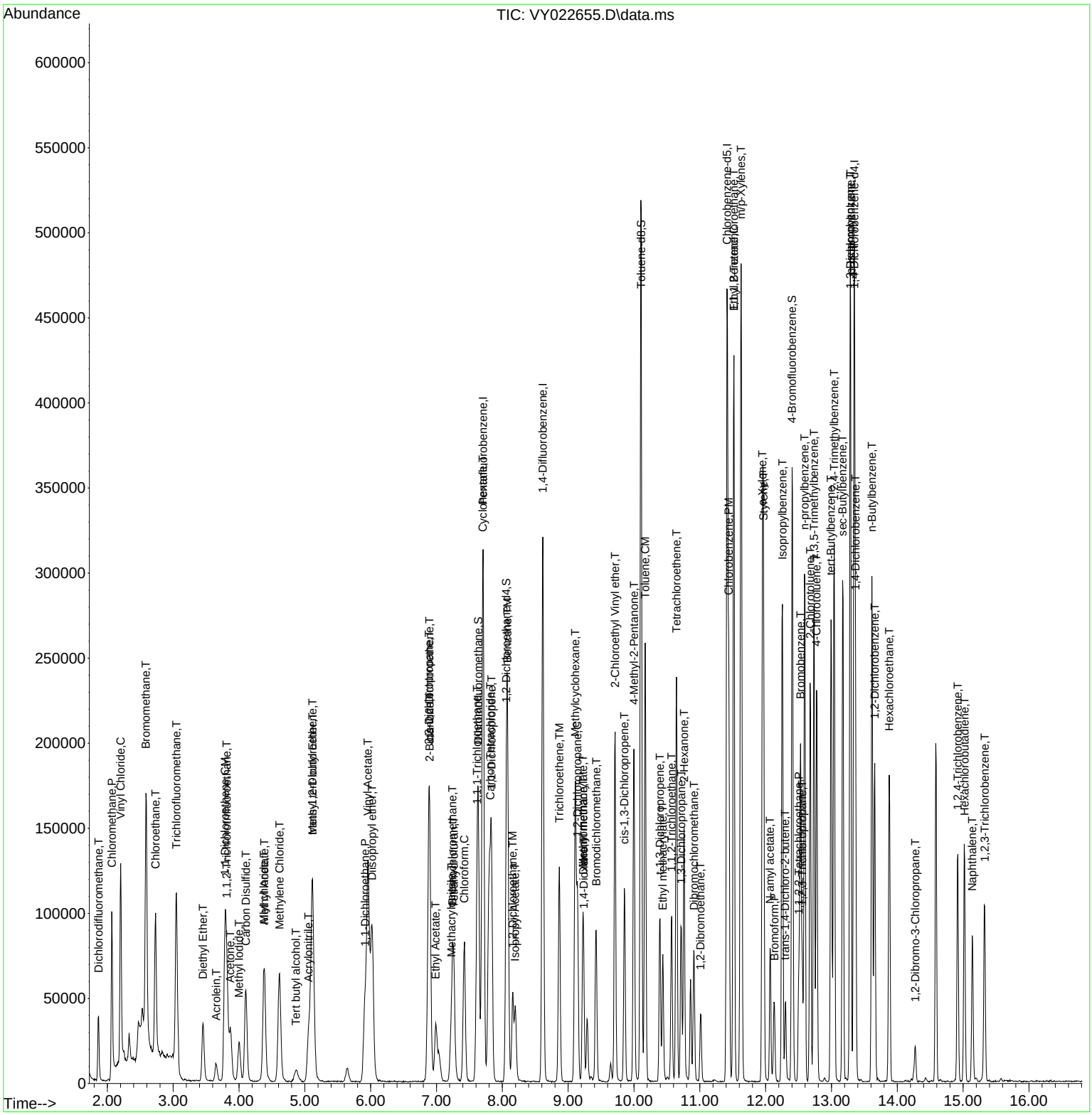

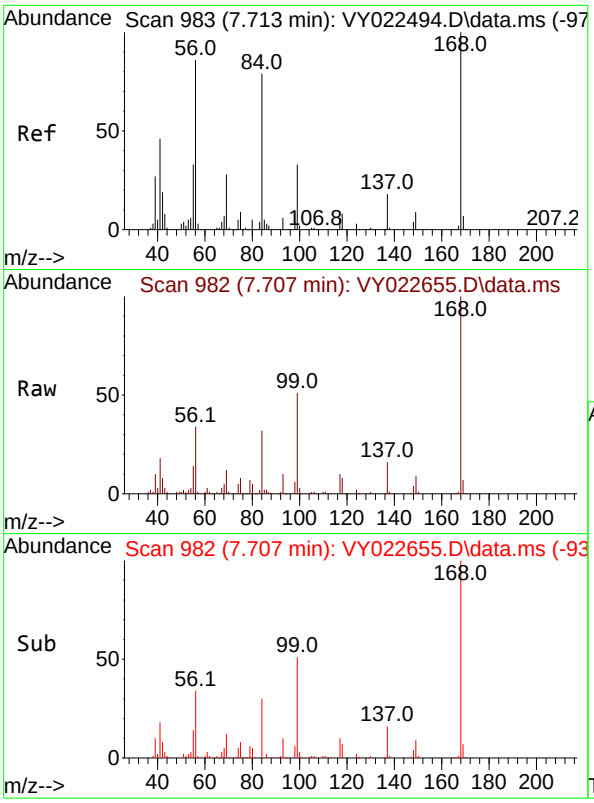

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:168 Resp: 15429

Ion	Ratio	Lower	Upper
168	100		
99	50.9	44.3	66.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
APPROVED

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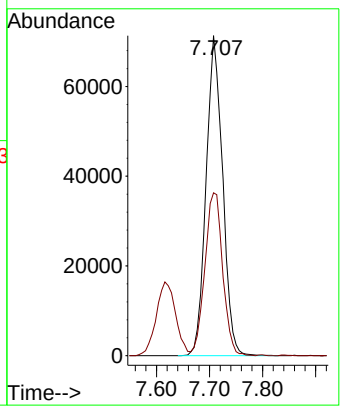
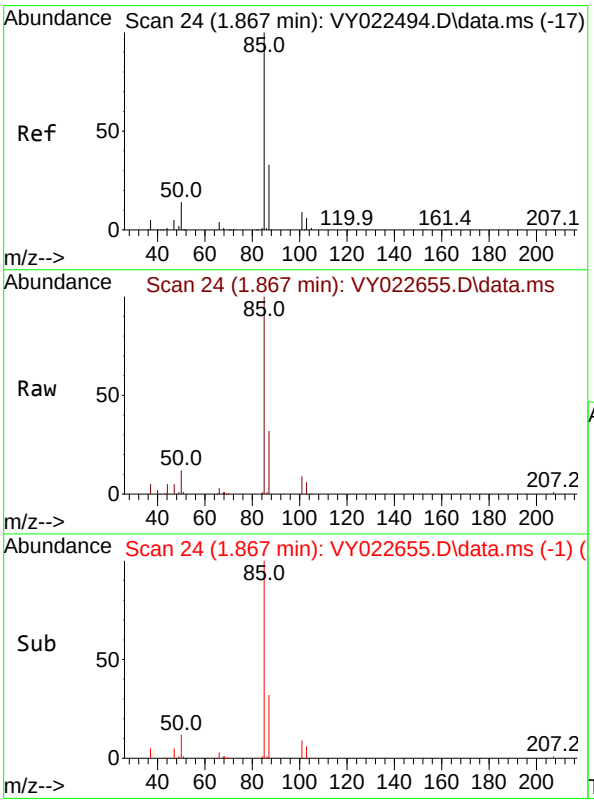
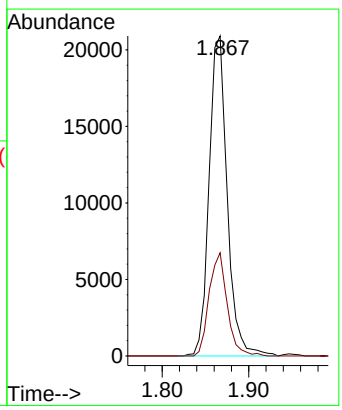


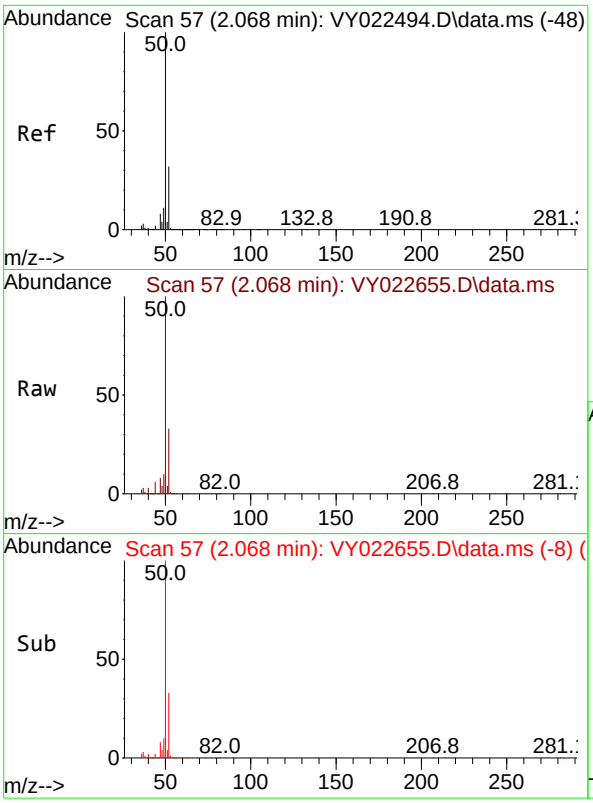


#2
Dichlorodifluoromethane
Concen: 22.009 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 85 Resp: 30403

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.7	50.0

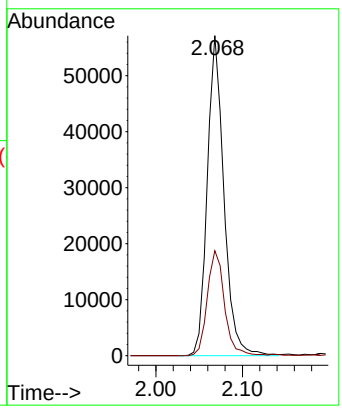




#3
Chloromethane
Concen: 18.684 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 50 Resp: 7624

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
APPROVED

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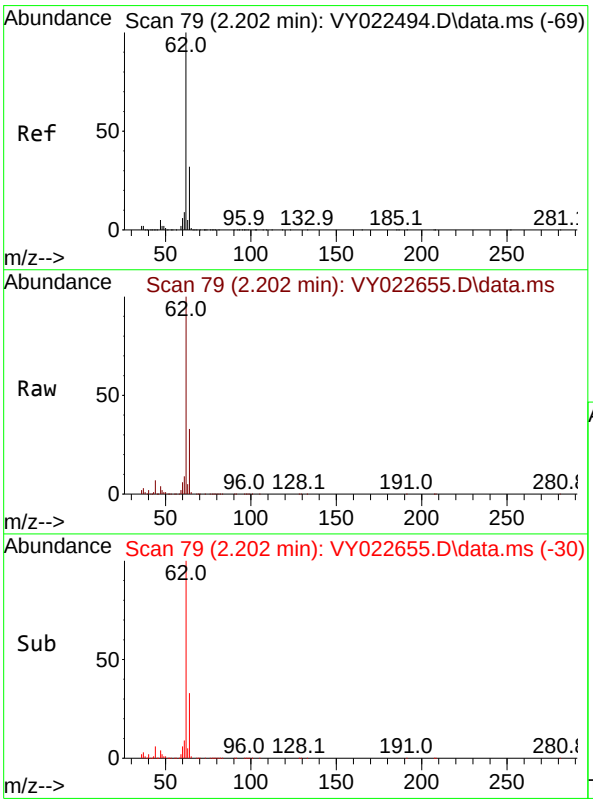
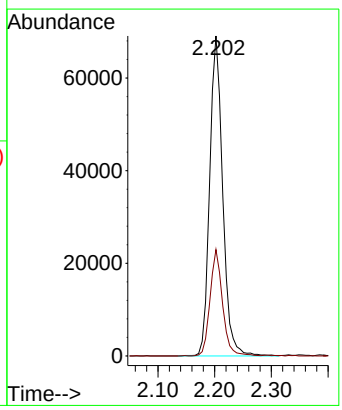
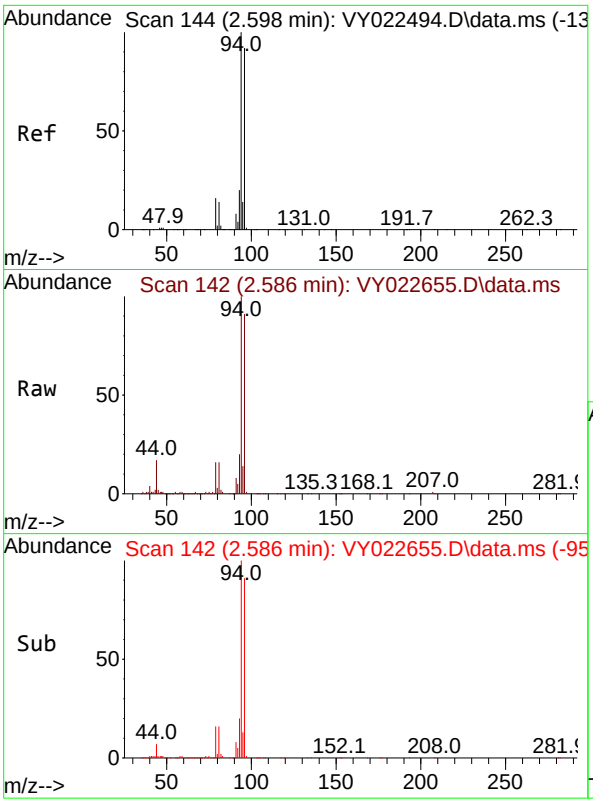


#4
Vinyl Chloride
Concen: 23.276 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 62 Resp: 110194

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9





#5
Bromomethane
Concen: 22.456 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 94 Resp: 10189

Ion	Ratio	Lower	Upper
94	100		
96	90.7	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
APPROVED

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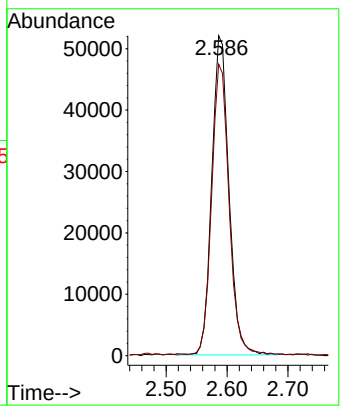
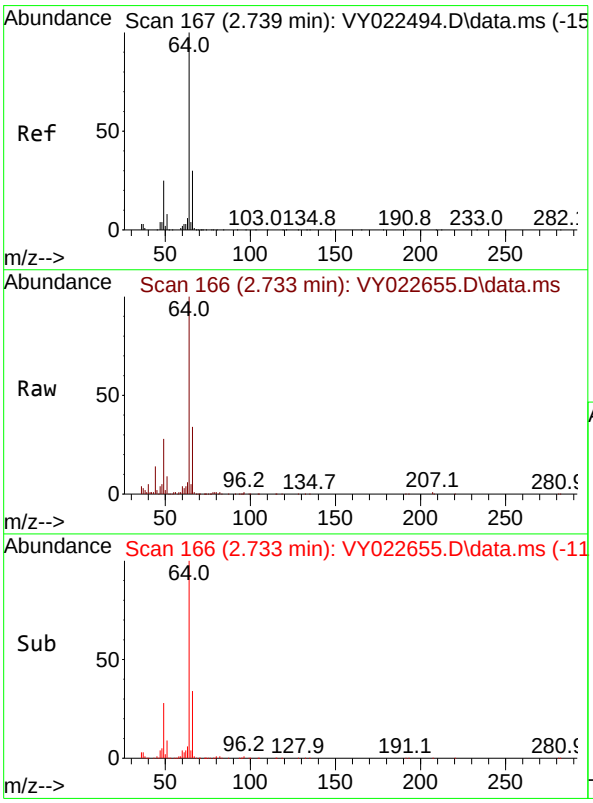
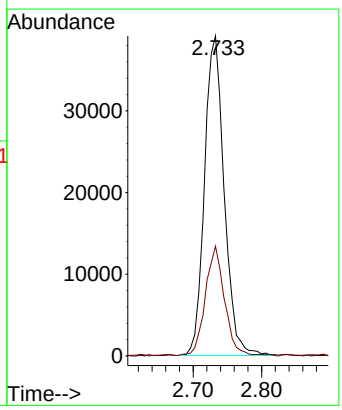


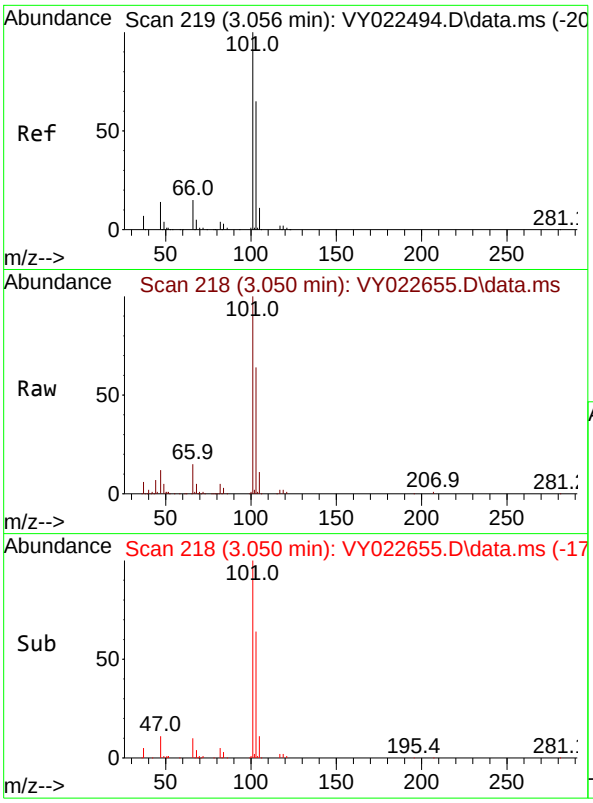


#6
Chloroethane
Concen: 23.993 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 64 Resp: 77966

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.8	35.6

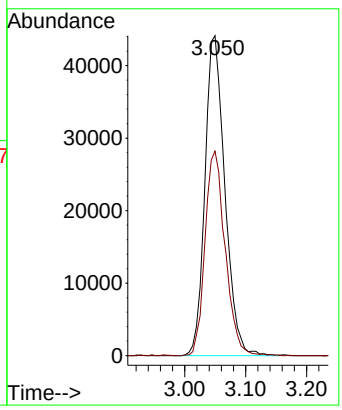




#7
Trichlorofluoromethane
Concen: 25.013 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:101 Resp: 10053

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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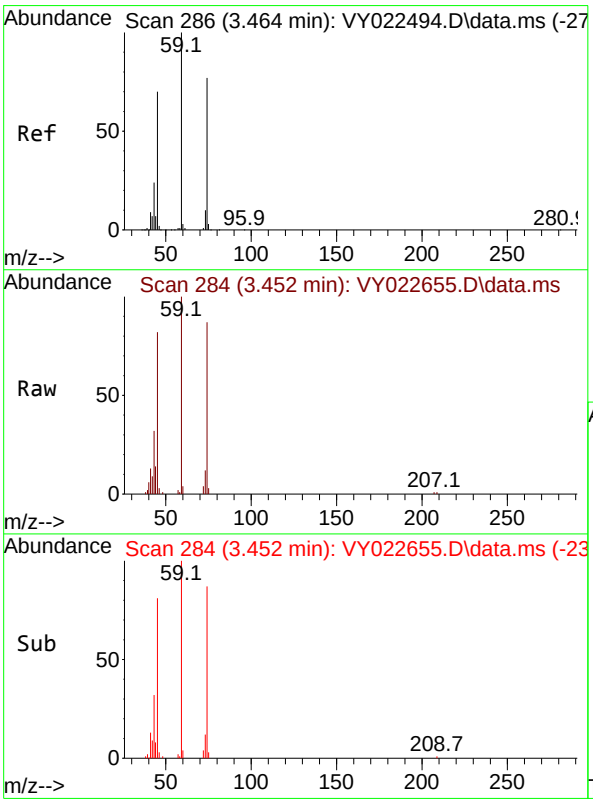
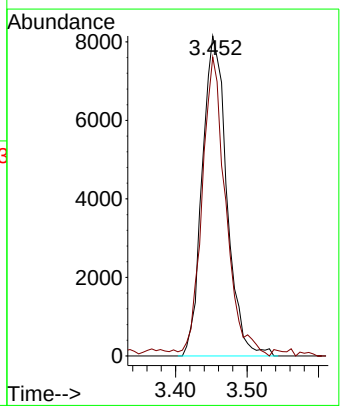
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

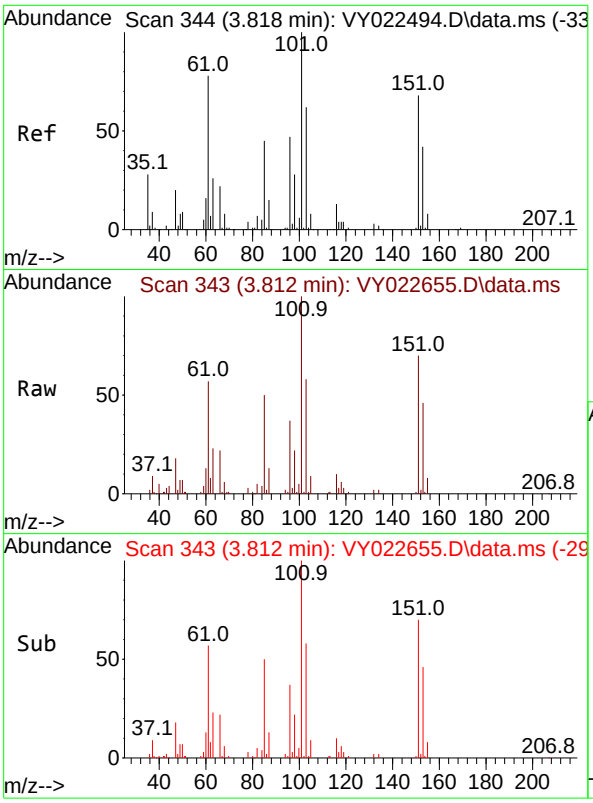


#8
Diethyl Ether
Concen: 21.525 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 74 Resp: 19482

Ion	Ratio	Lower	Upper
74	100		
45	89.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.306 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:101 Resp: 3775

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

Instrument :
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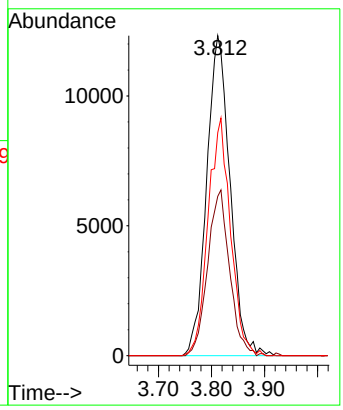
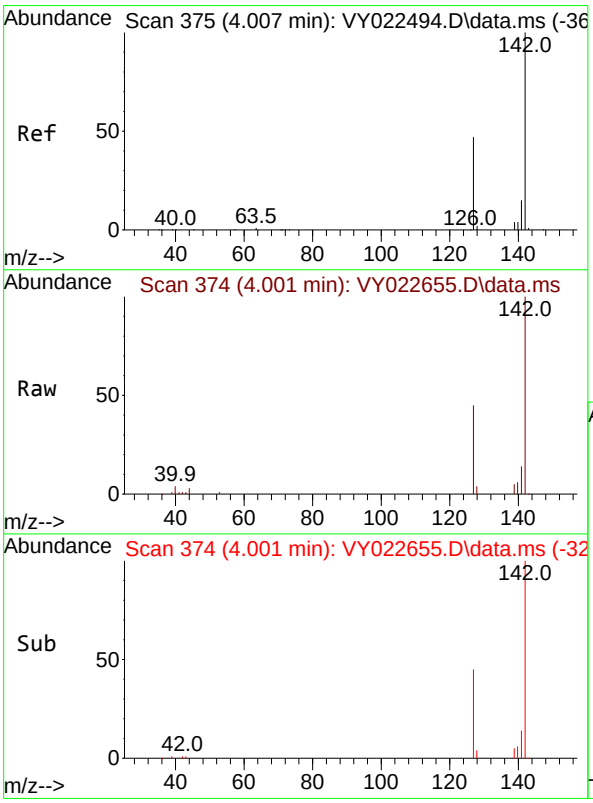
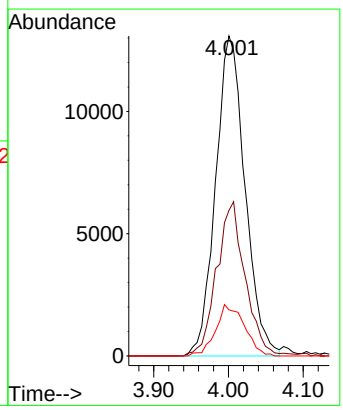


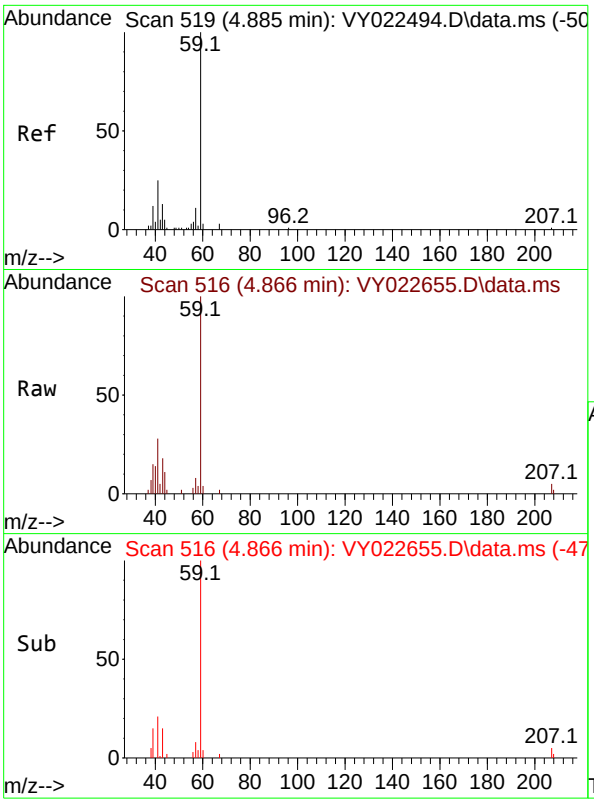


#10
Methyl Iodide
Concen: 19.548 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:142 Resp: 35808

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	15.7	11.4	17.2

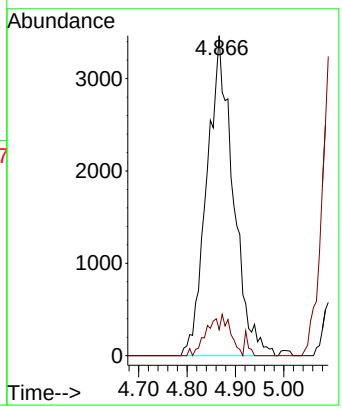




#11
Tert butyl alcohol
Concen: 106.187 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 59 Resp: 1308

Ion	Ratio	Lower	Upper
59	100		
57	6.4	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
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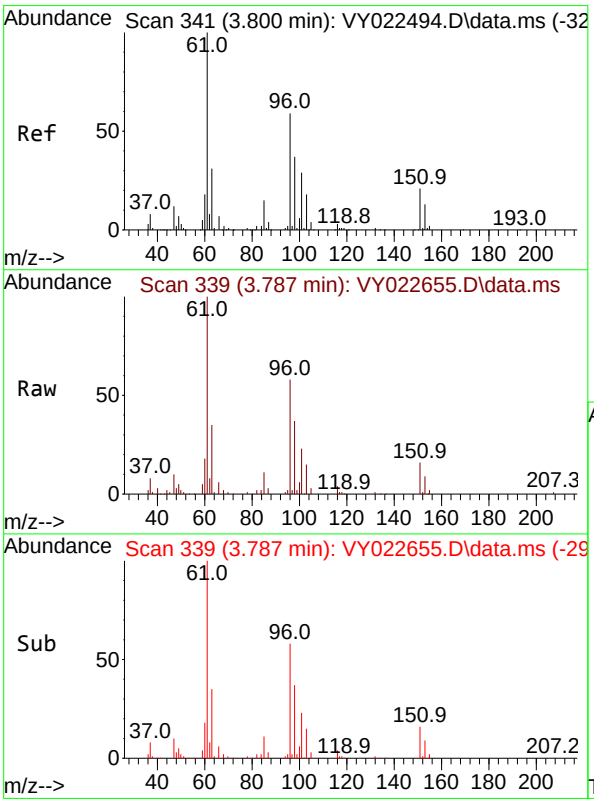
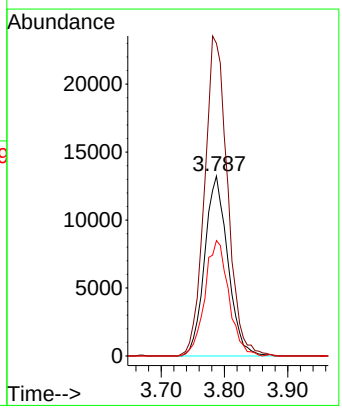
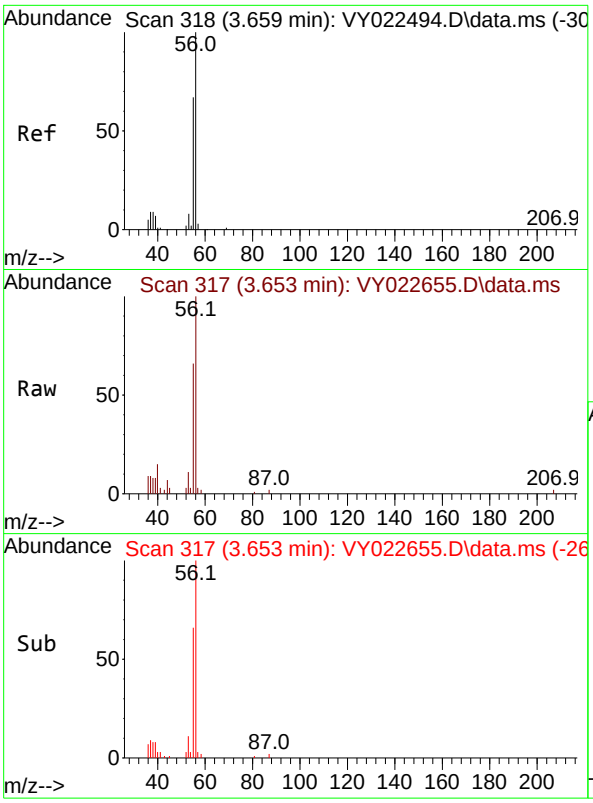


#12
1,1-Dichloroethene
Concen: 20.814 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 96 Resp: 33677

Ion	Ratio	Lower	Upper
96	100		
61	173.9	134.6	201.8
98	64.2	50.2	75.4

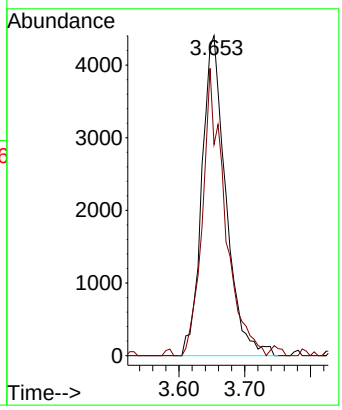




#13
Acrolein
Concen: 72.712 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 56 Resp: 1116

Ion	Ratio	Lower	Upper
56	100		
55	83.9	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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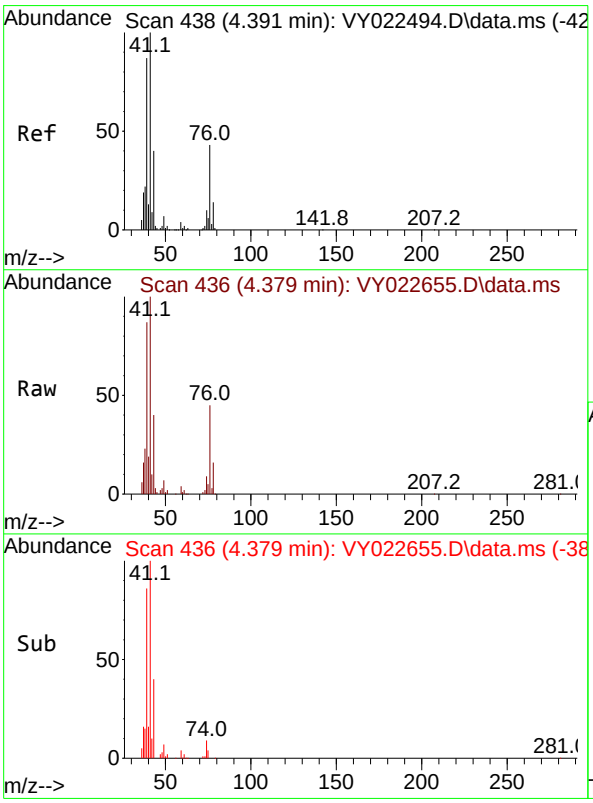
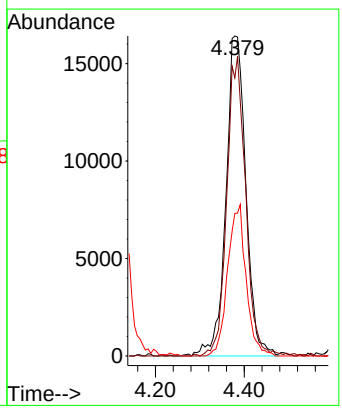
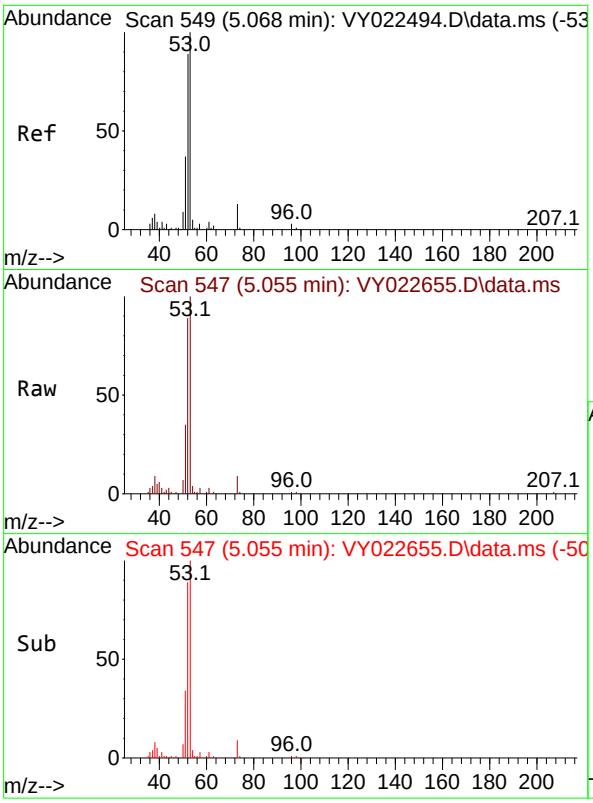


#14
Allyl chloride
Concen: 20.153 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 41 Resp: 51189

Ion	Ratio	Lower	Upper
41	100		
39	88.2	69.1	103.7
76	43.7	33.5	50.3

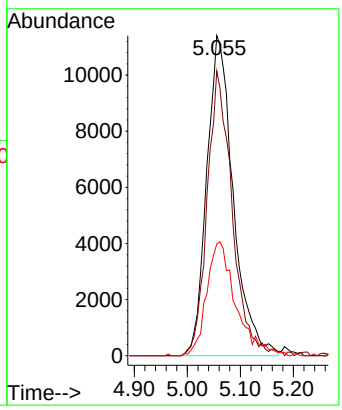




#15
Acrylonitrile
Concen: 103.367 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 53 Resp: 3962

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	39.0	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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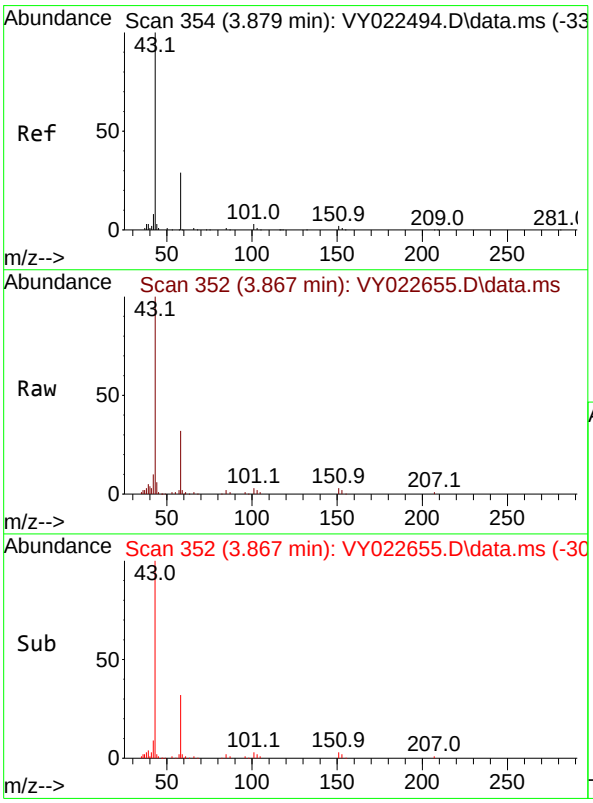
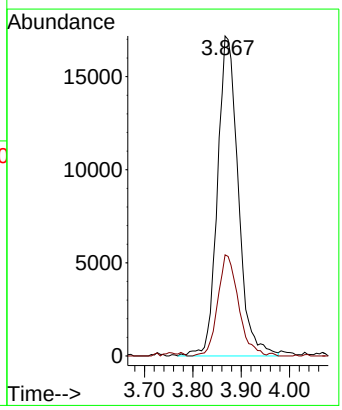
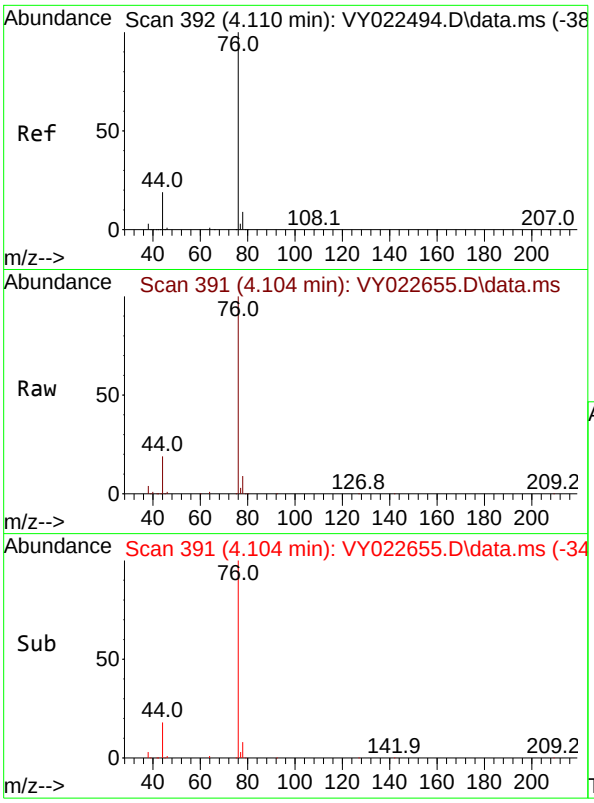


#16
Acetone
Concen: 146.196 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 51236

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0





#17
Carbon Disulfide
Concen: 20.273 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 76 Resp: 10501

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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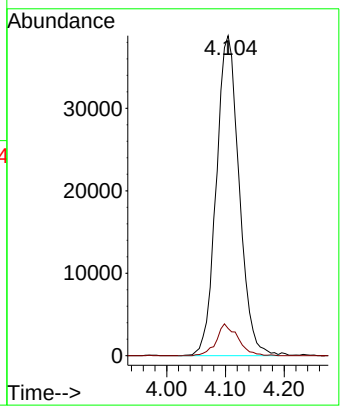
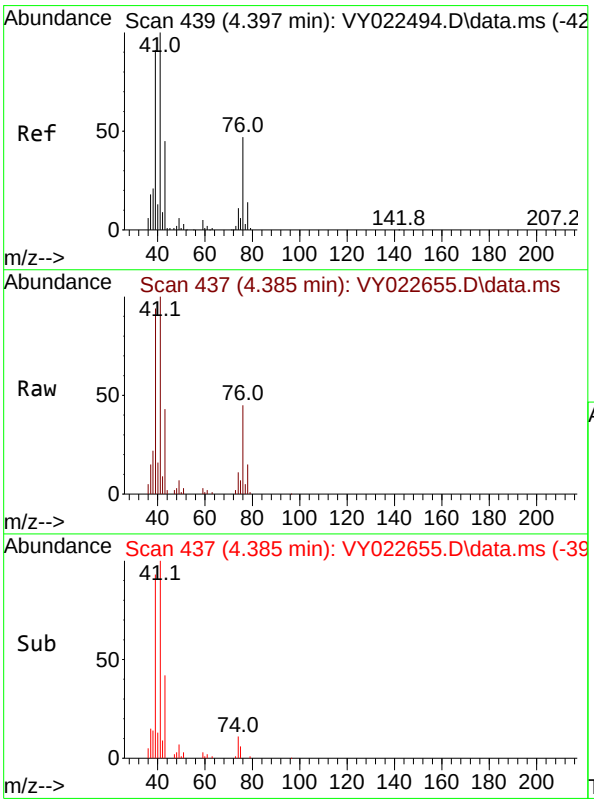
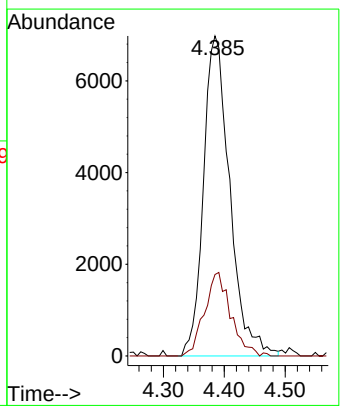


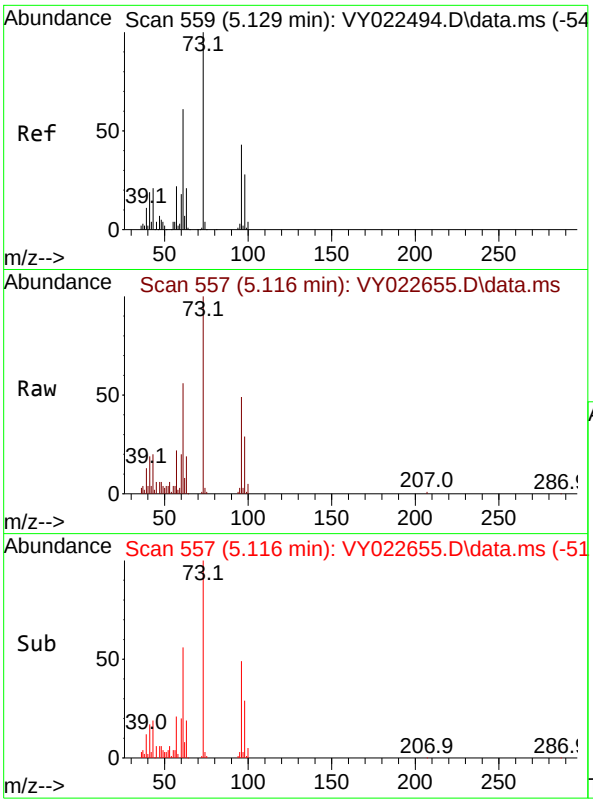


#18
Methyl Acetate
Concen: 20.191 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 20954

Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.8	29.6

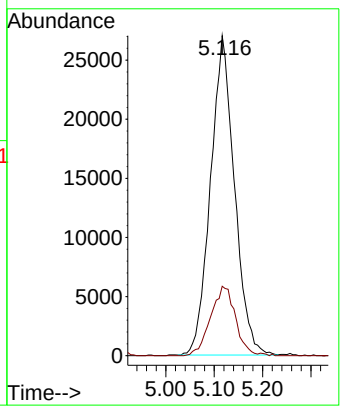




#19
Methyl tert-butyl Ether
Concen: 20.360 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 73 Resp: 9278

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



Instrument :
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ClientSampleId :
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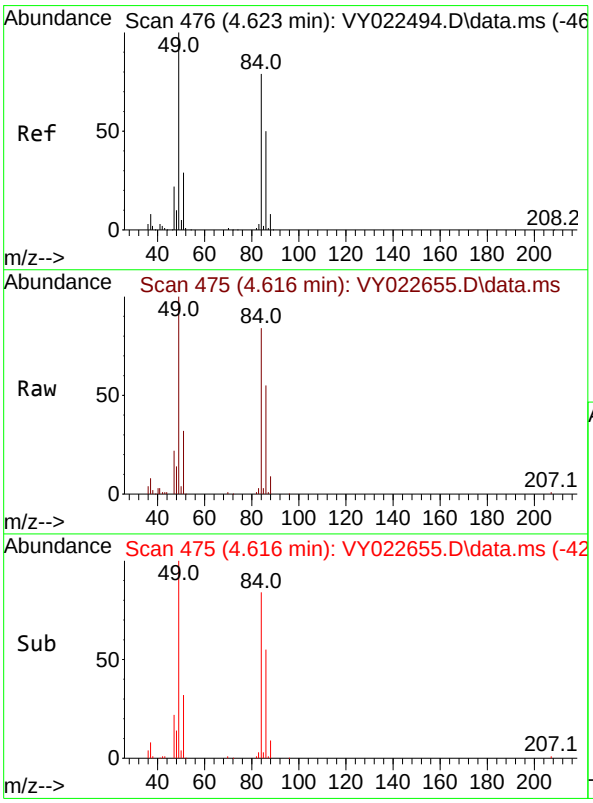
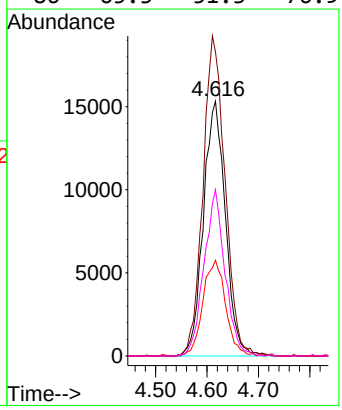
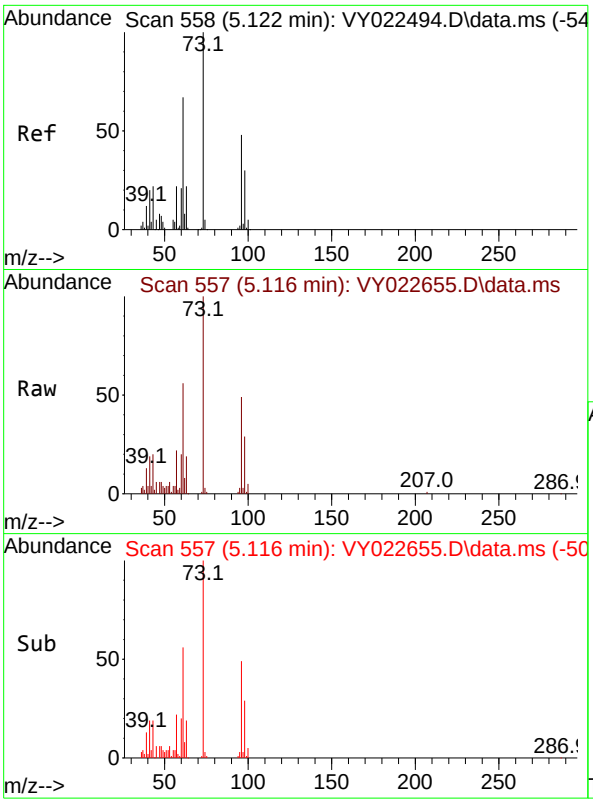


#20
Methylene Chloride
Concen: 22.955 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 84 Resp: 45698

Ion	Ratio	Lower	Upper
84	100		
49	119.3	101.9	152.9
51	37.6	29.8	44.8
86	65.3	51.3	76.9

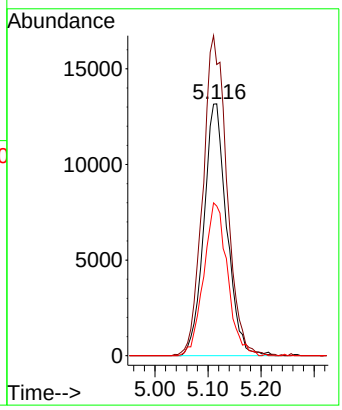




#21
trans-1,2-Dichloroethene
Concen: 21.790 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 96 Resp: 3945

Ion	Ratio	Lower	Upper
96	100		
61	115.6	112.6	169.0
98	59.4	50.6	75.8



Instrument :
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ClientSampleId :
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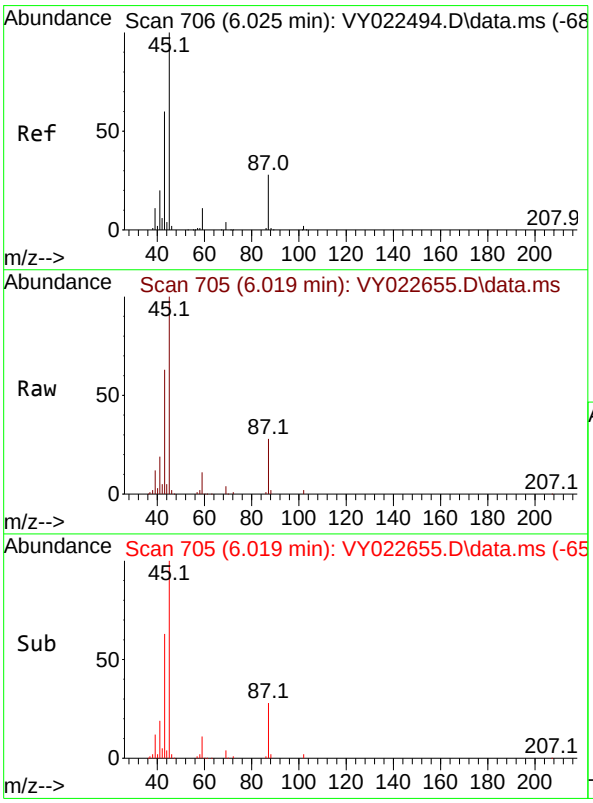
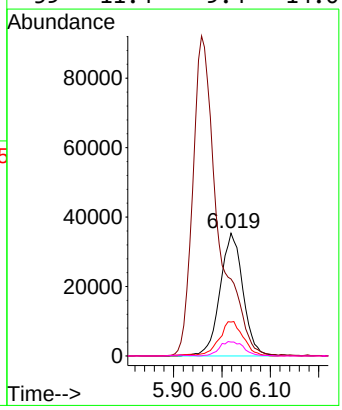
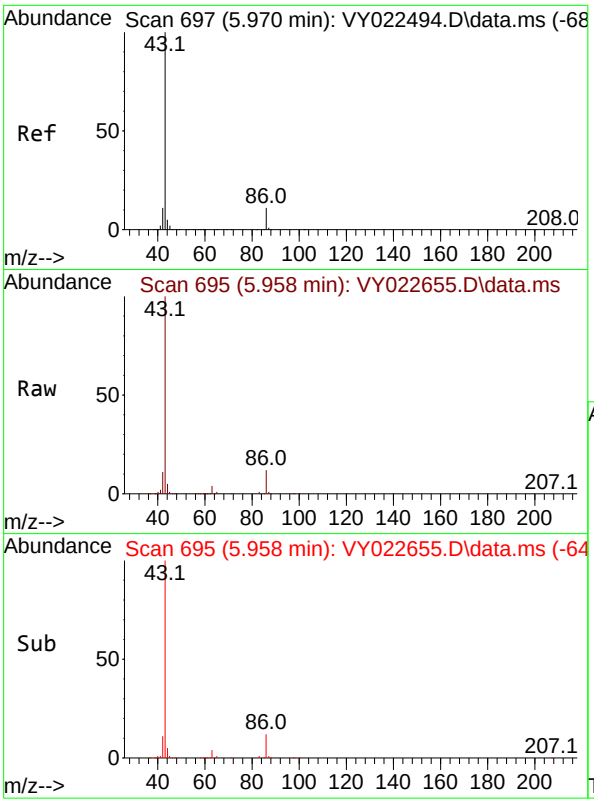


#22
Diisopropyl ether
Concen: 20.566 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 45 Resp: 116281

Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.3	72.5
87	27.6	23.0	34.6
59	11.4	9.4	14.0





#23
Vinyl Acetate
Concen: 99.313 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 33234

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
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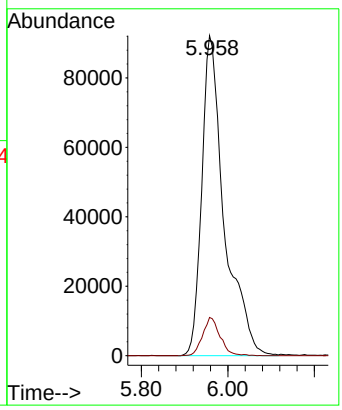
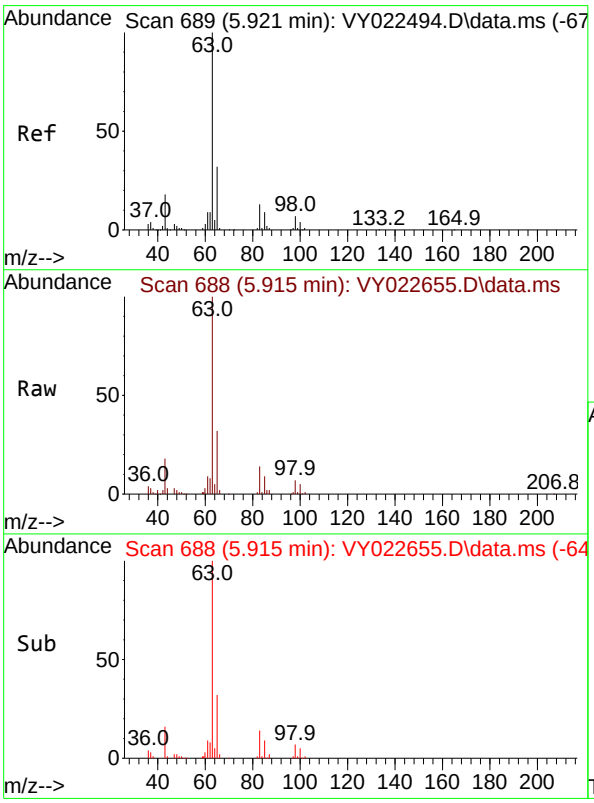
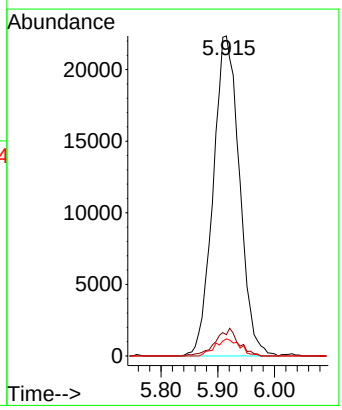


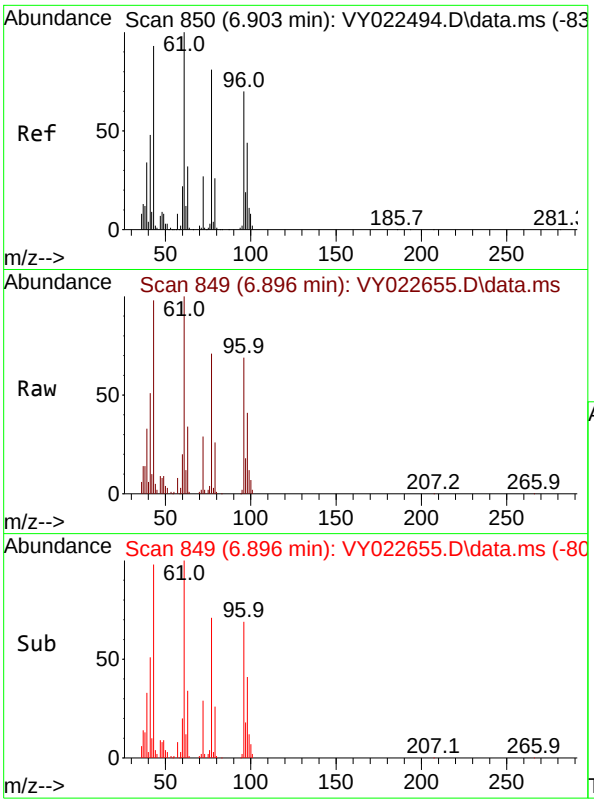


#24
1,1-Dichloroethane
Concen: 21.579 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 63 Resp: 71877

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	5.4	2.1	6.3





#25
2-Butanone
Concen: 118.122 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 5971

Ion	Ratio	Lower	Upper
43	100		
72	29.7	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
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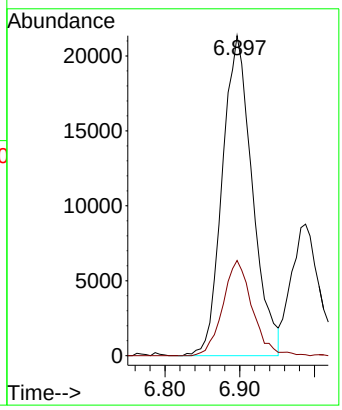
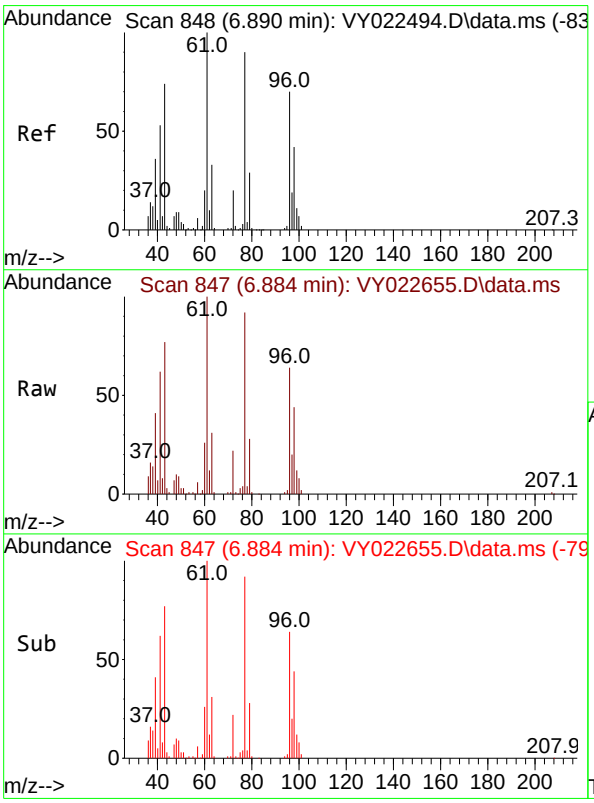
Supervised By :Semsettin Yesilyurt 06/12/2025

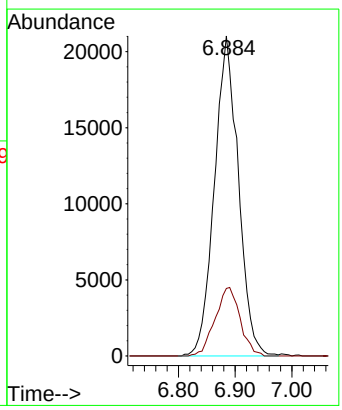


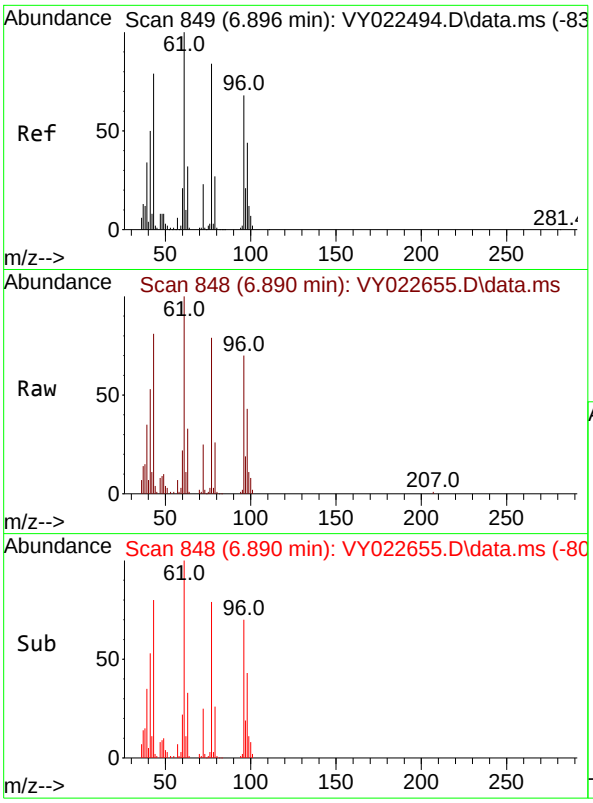


#26
2,2-Dichloropropane
Concen: 20.912 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 77 Resp: 61544

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2

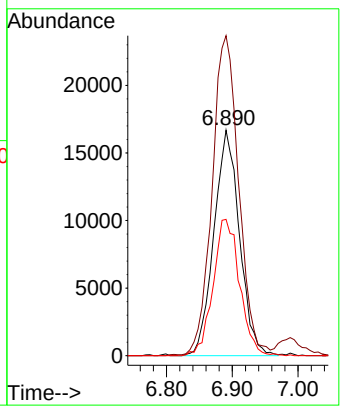




#27
cis-1,2-Dichloroethene
Concen: 21.567 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 96 Resp: 4514

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	290.0
98	62.7	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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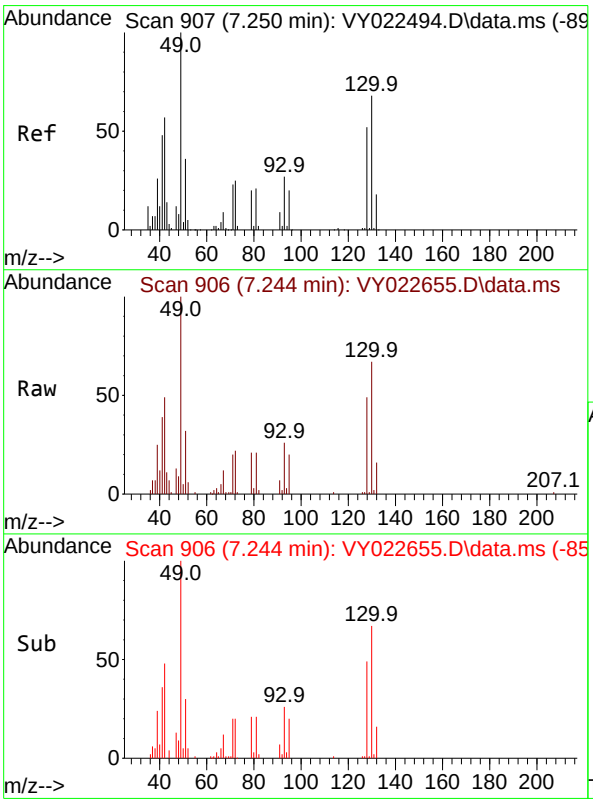
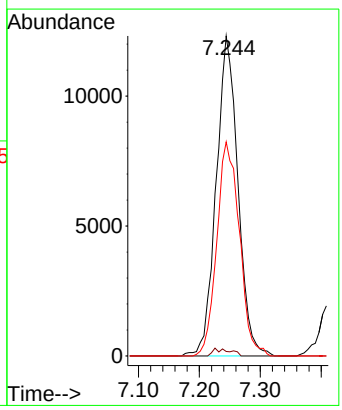
Supervised By :Semsettin Yesilyurt 06/12/2025

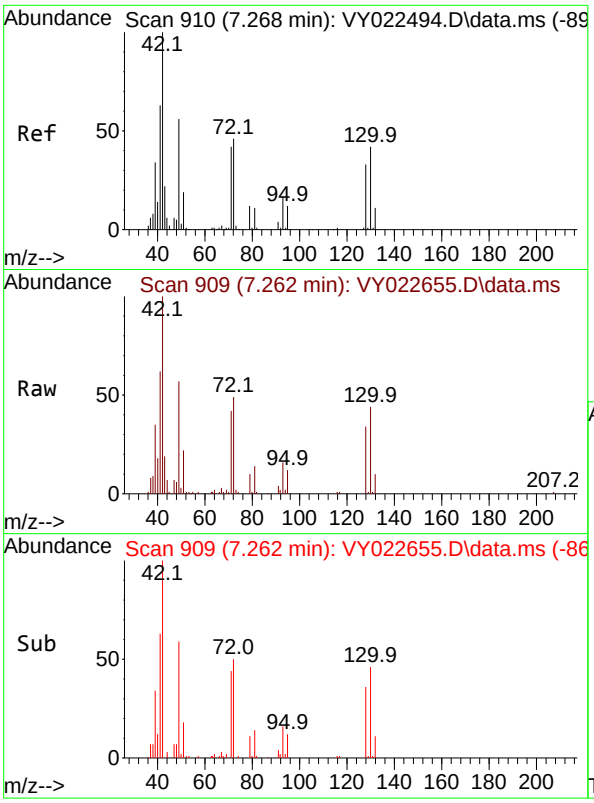


#28
Bromochloromethane
Concen: 21.045 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 49 Resp: 30556

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5

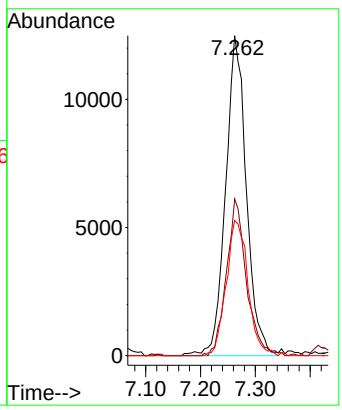




#29
Tetrahydrofuran
Concen: 100.986 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 42 Resp: 3292

Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	44.2	34.2	51.2



Instrument :
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ClientSampleId :
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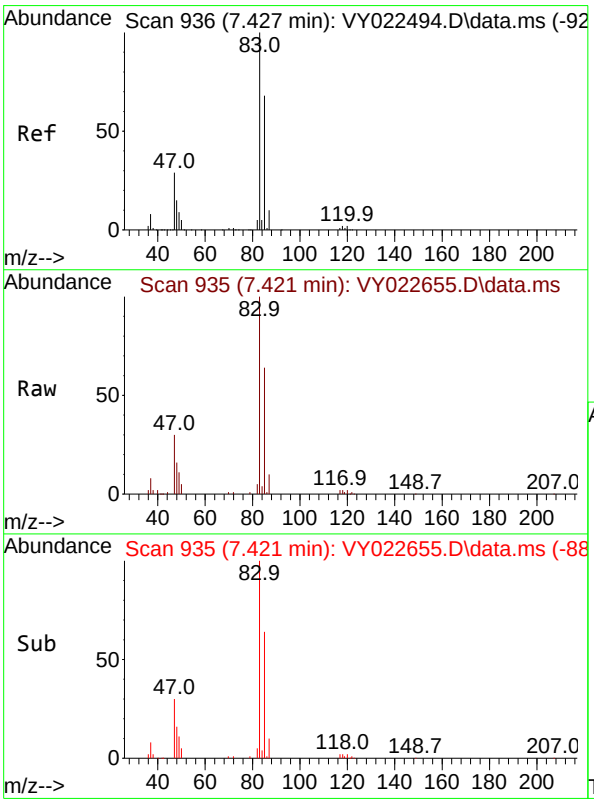
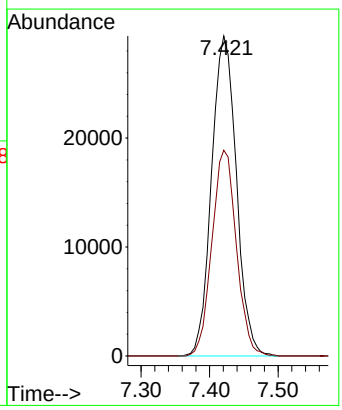
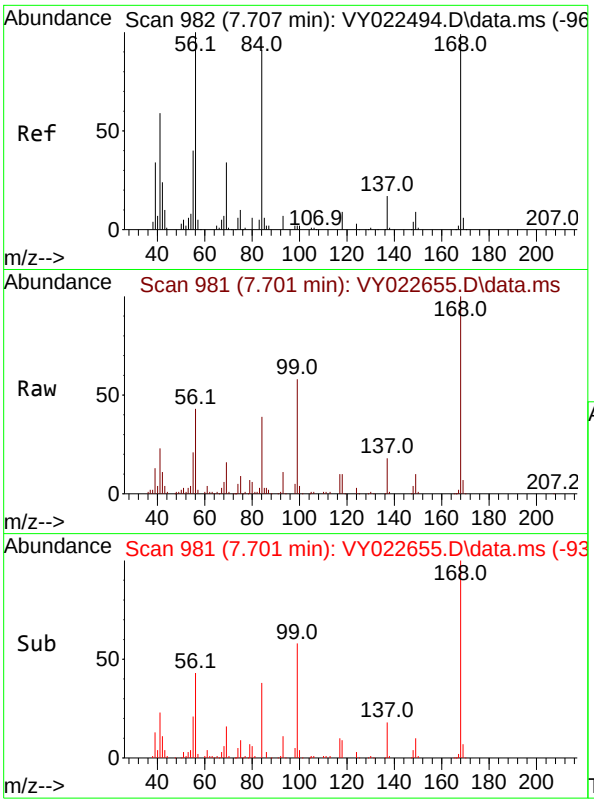


#30
Chloroform
Concen: 22.360 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 83 Resp: 73770

Ion	Ratio	Lower	Upper
83	100		
85	64.3	54.2	81.4





#31
Cyclohexane
Concen: 19.382 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 56 Resp: 6427

Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.0	40.6
84	90.9	72.6	109.0

Instrument :
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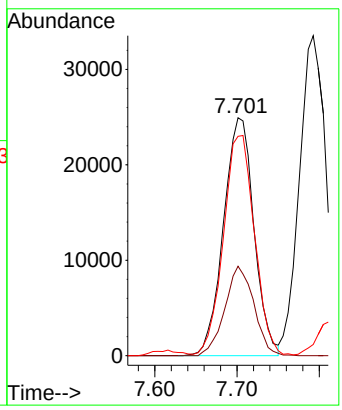
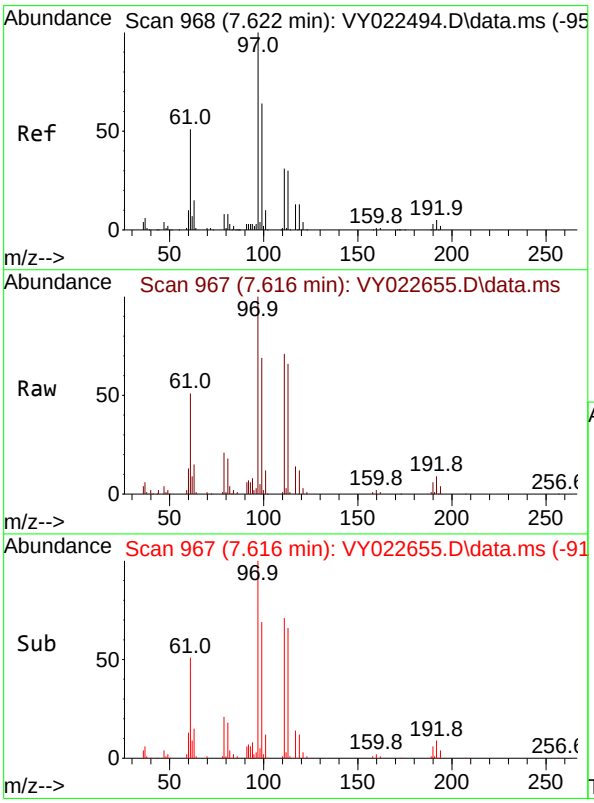
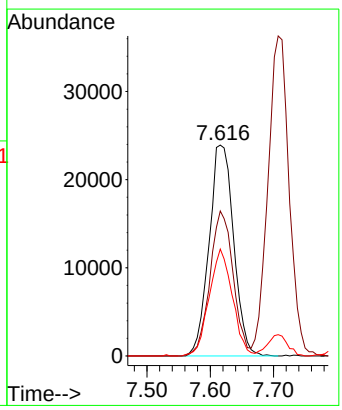


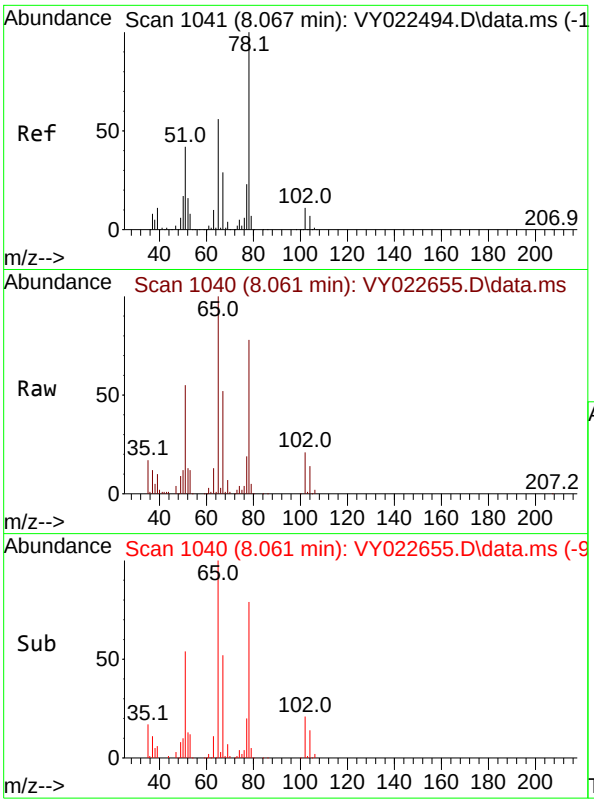


#32
1,1,1-Trichloroethane
Concen: 22.053 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 97 Resp: 64586

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	47.9	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 65 Resp: 8712

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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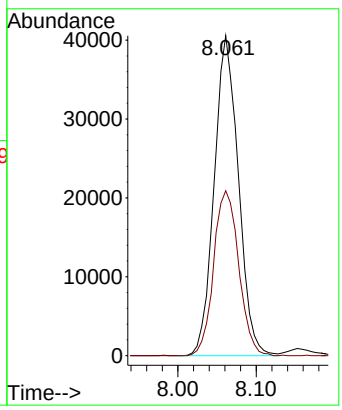
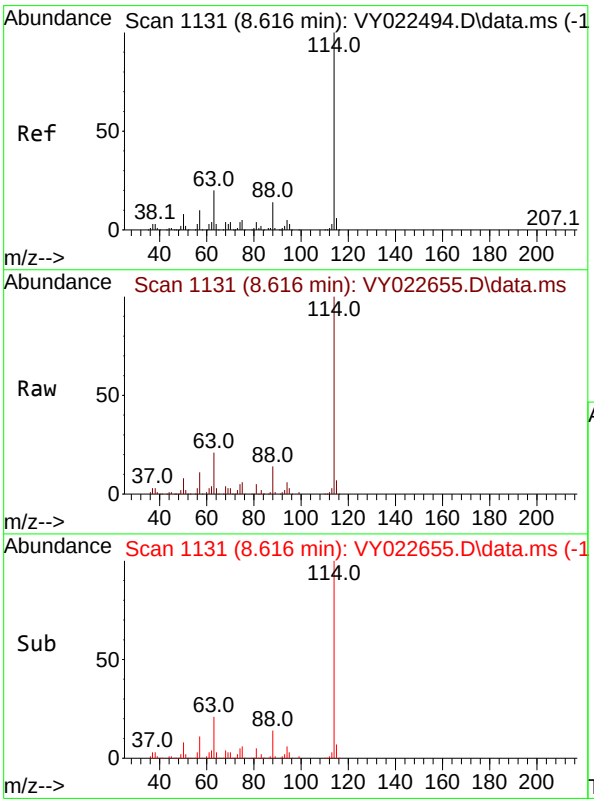
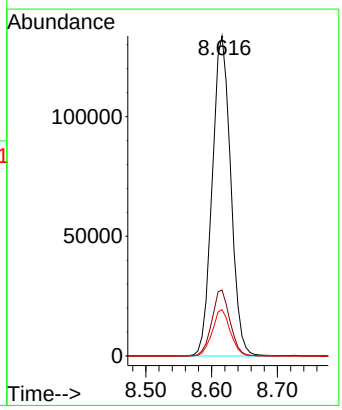


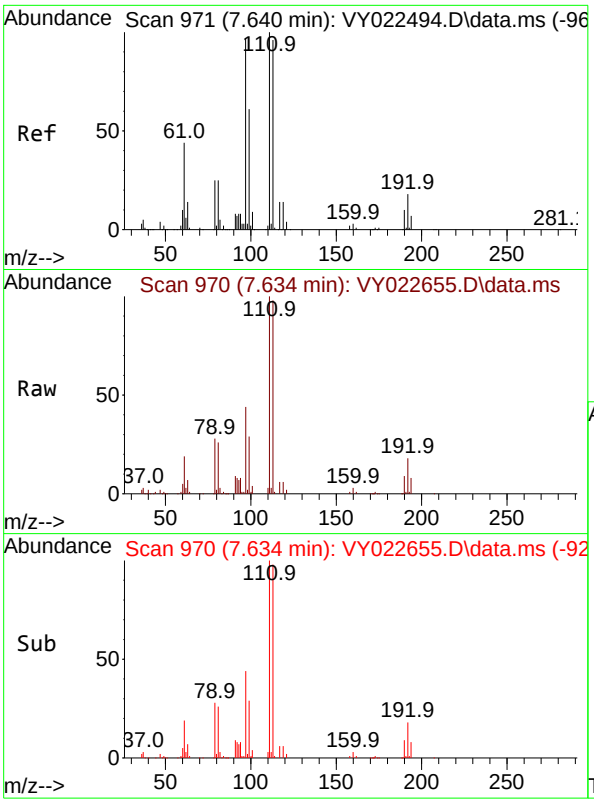


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:114 Resp: 261377

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.4	0.0	27.8

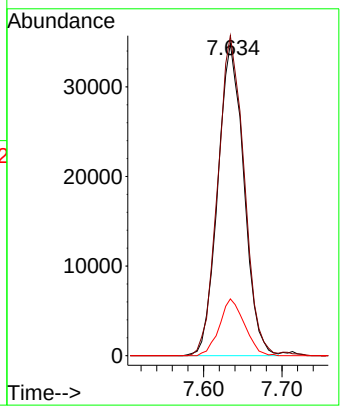




#35
Dibromofluoromethane
Concen: 51.570 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:113 Resp: 8045

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	17.5	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
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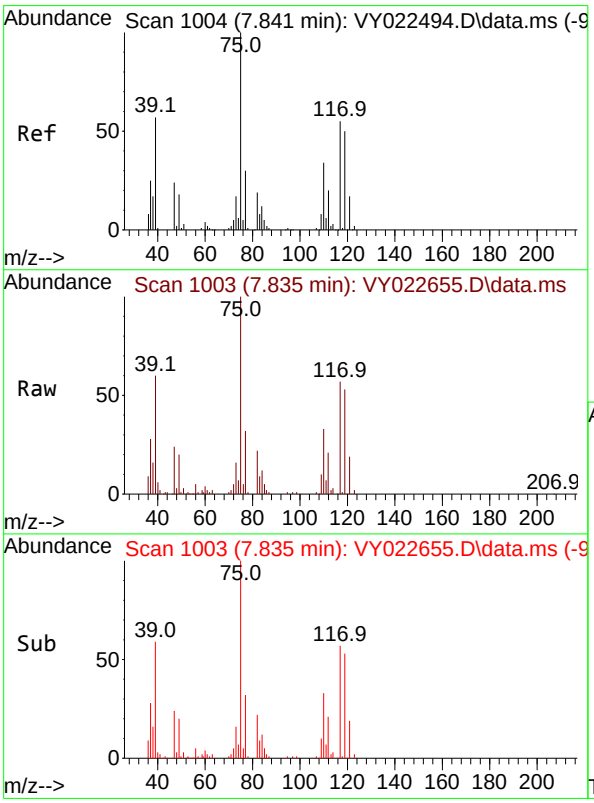
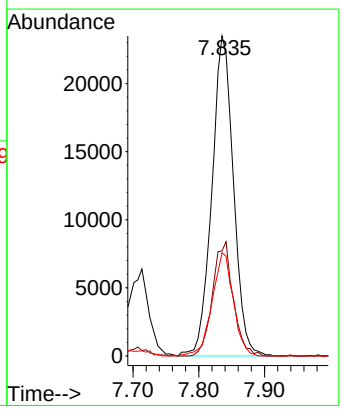
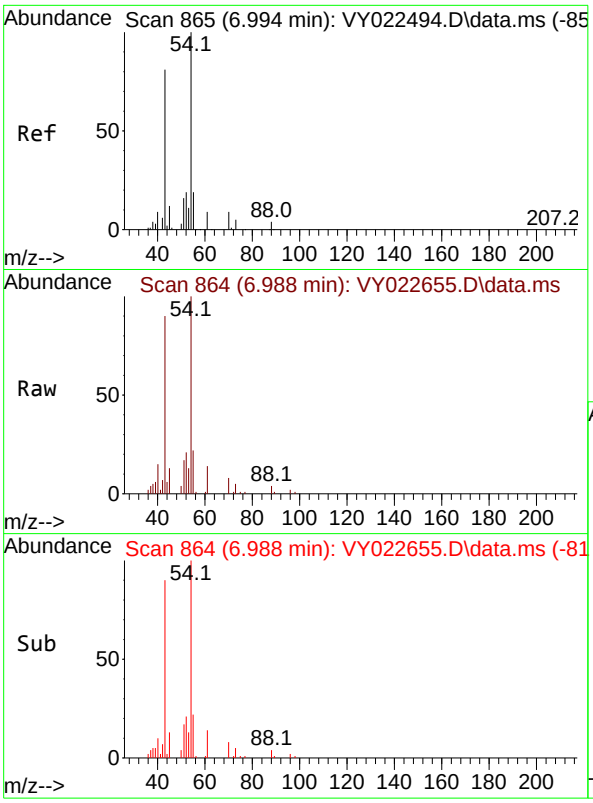


#36
1,1-Dichloropropene
Concen: 21.243 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 53788

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	31.6	24.8	37.2





#37
Ethyl Acetate
Concen: 21.435 ug/l m
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 2420

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	8.7	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
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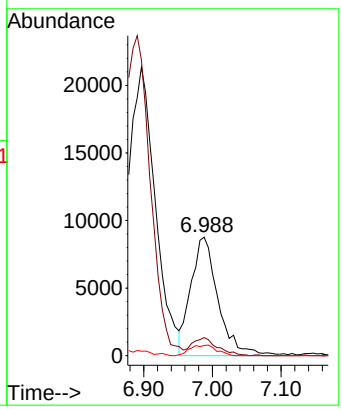
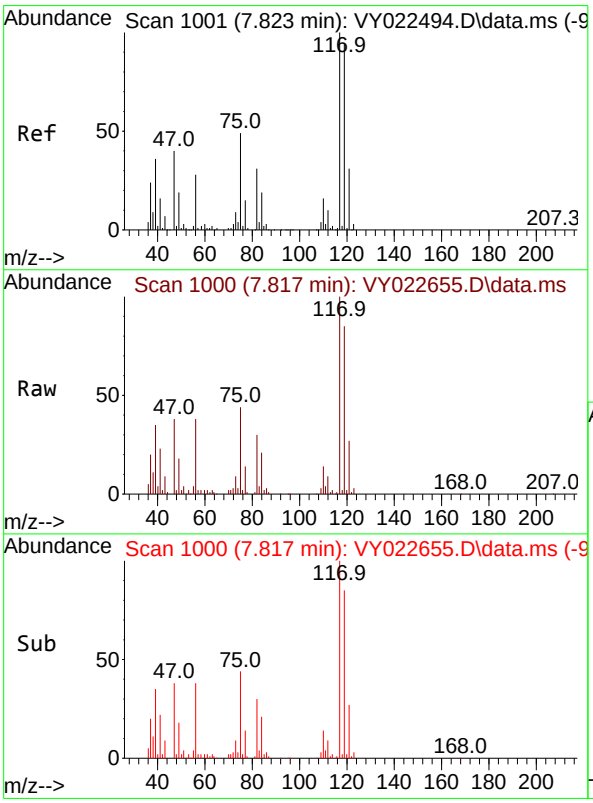
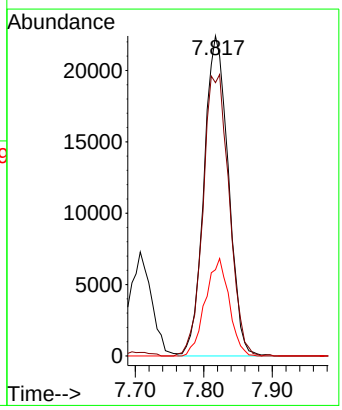


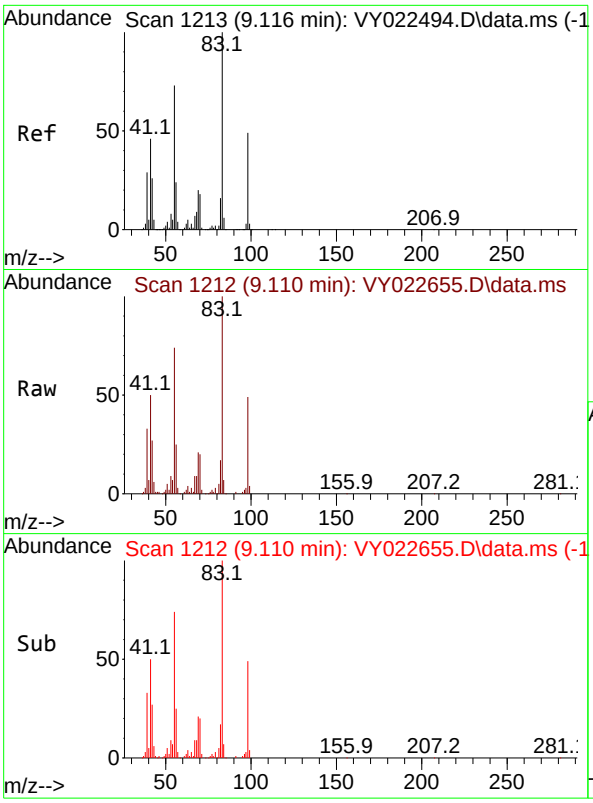


#38
Carbon Tetrachloride
Concen: 21.352 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:117 Resp: 55462

Ion	Ratio	Lower	Upper
117	100		
119	85.4	75.0	112.6
121	26.9	25.0	37.4





#39
Methylcyclohexane
Concen: 20.022 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 83 Resp: 6812

Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.1	87.1
98	48.5	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
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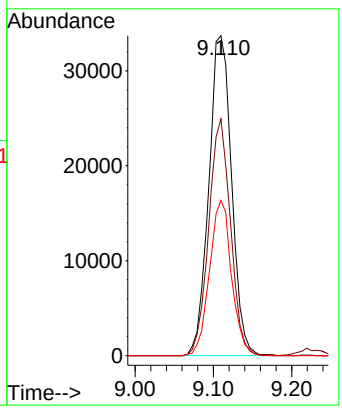
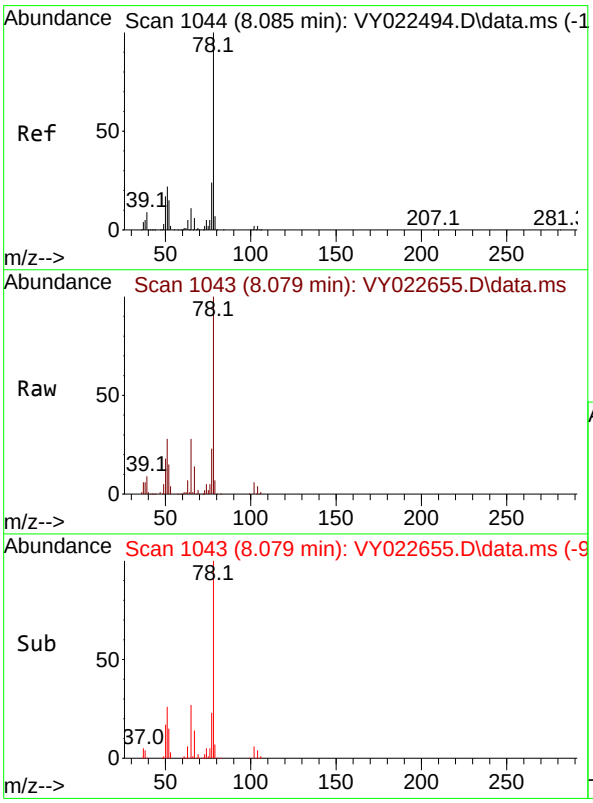
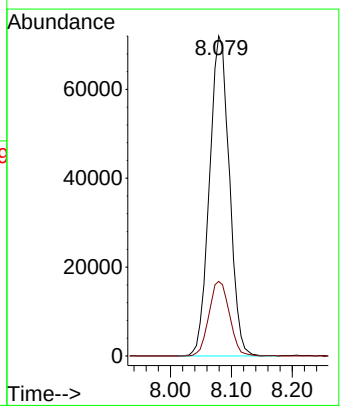


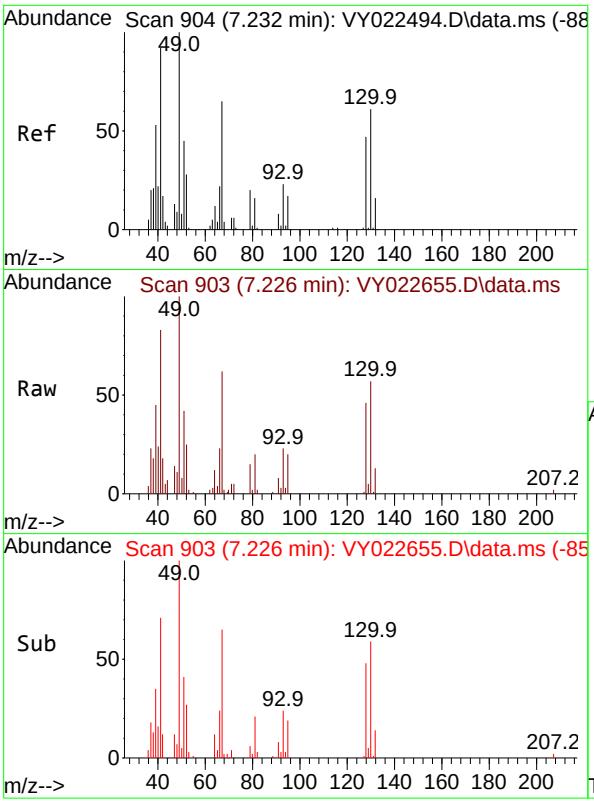


#40
Benzene
Concen: 21.851 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 78 Resp: 163413

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9

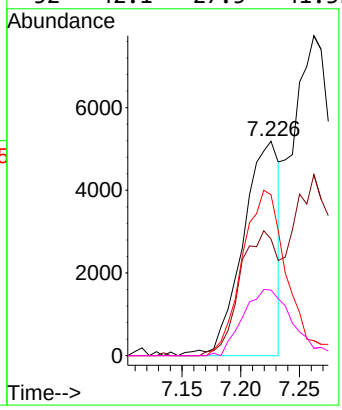




#41
Methacrylonitrile
Concen: 16.769 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 41 Resp: 1106

Ion	Ratio	Lower	Upper
41	100		
39	59.8	46.6	69.8
67	95.1	63.3	94.9#
52	42.1	27.5	41.3#



Instrument :
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ClientSampleId :
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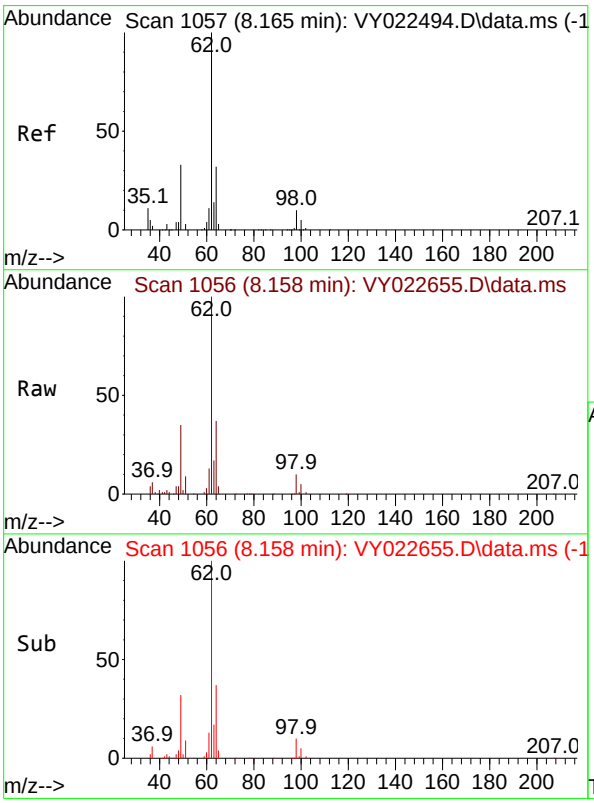
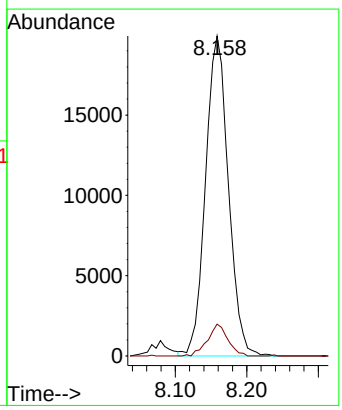
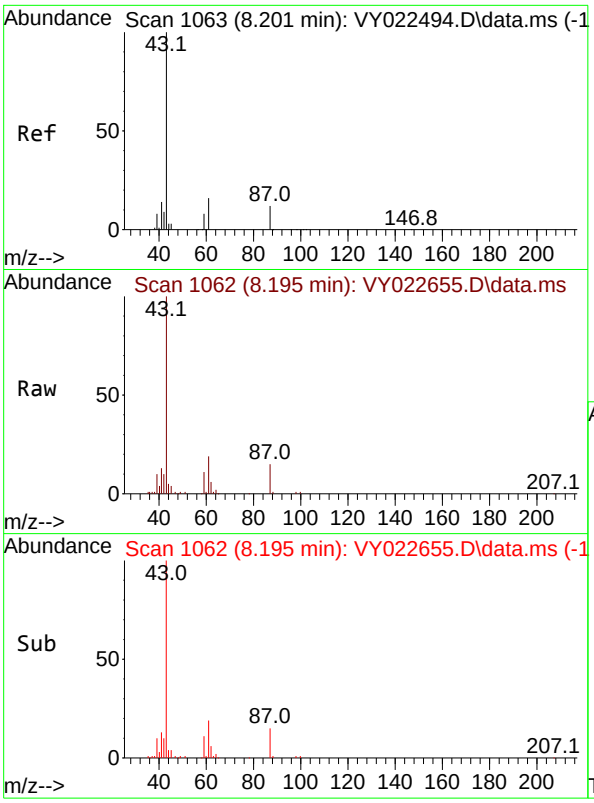


#42
1,2-Dichloroethane
Concen: 21.660 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 62 Resp: 44229

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.2





#43
Isopropyl Acetate
Concen: 19.992 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 4875

Ion	Ratio	Lower	Upper
43	100		
61	16.7	15.6	23.4
87	13.2	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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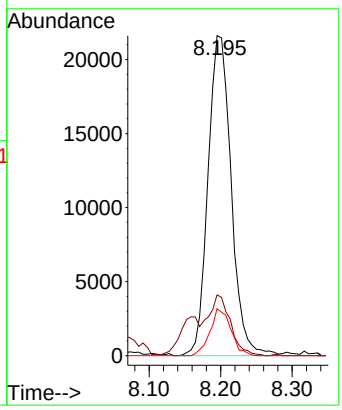
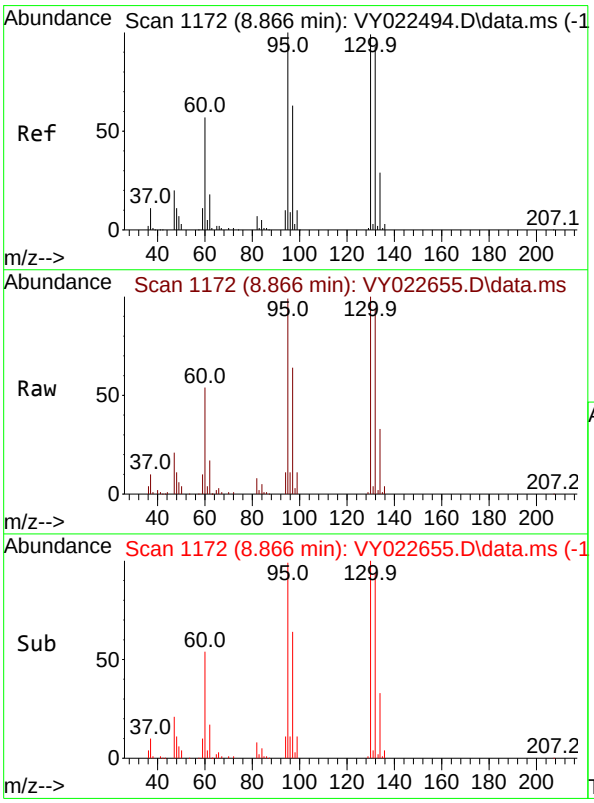
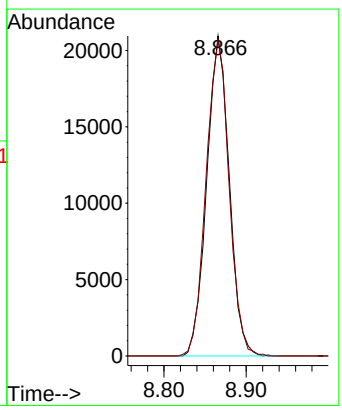


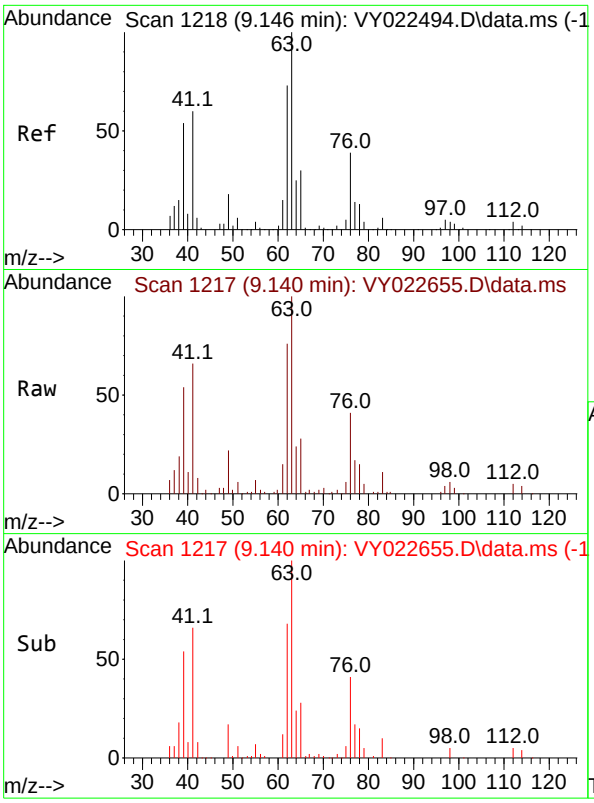


#44
Trichloroethene
Concen: 21.815 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:130 Resp: 39874

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	203.0

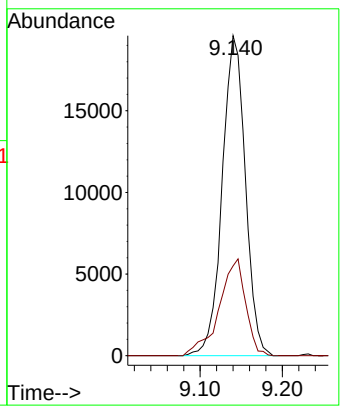




#45
1,2-Dichloropropane
Concen: 21.729 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 63 Resp: 3840

Ion	Ratio	Lower	Upper
63	100		
65	28.0	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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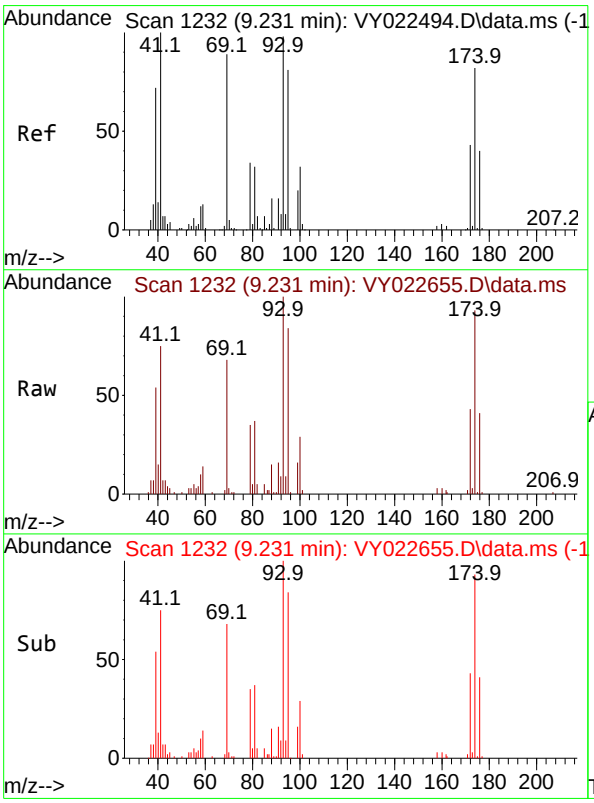
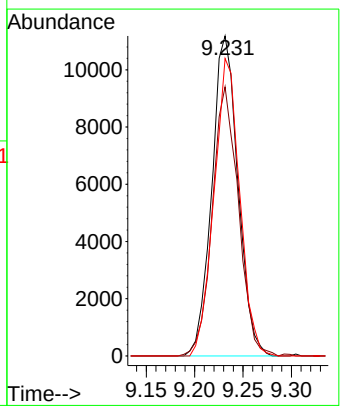
Supervised By :Semsettin Yesilyurt 06/12/2025

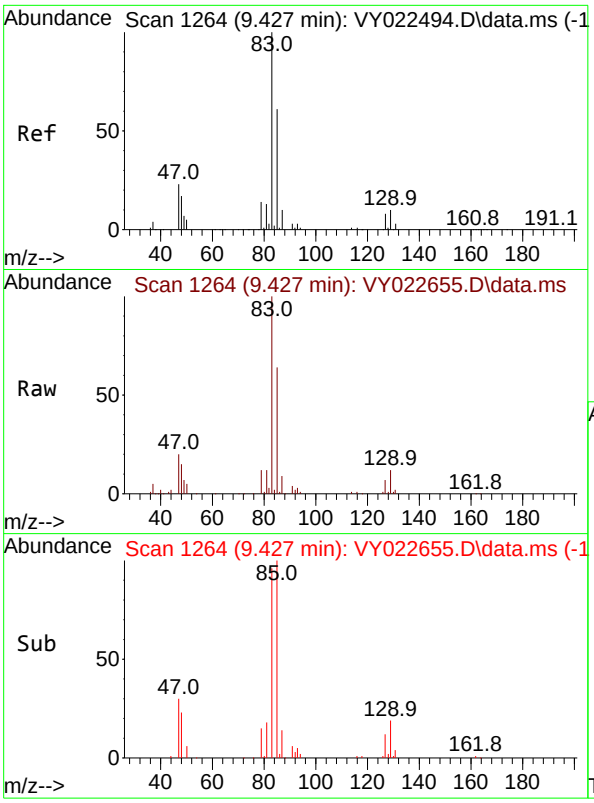


#46
Dibromomethane
Concen: 21.164 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 93 Resp: 21044

Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.6	98.4
174	91.3	70.4	105.6

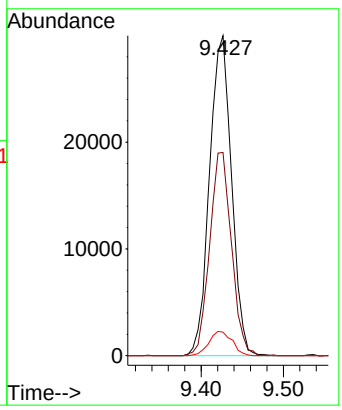




#47
Bromodichloromethane
Concen: 22.084 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 83 Resp: 5568

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.1	73.7
127	7.3	6.2	9.4



Instrument :
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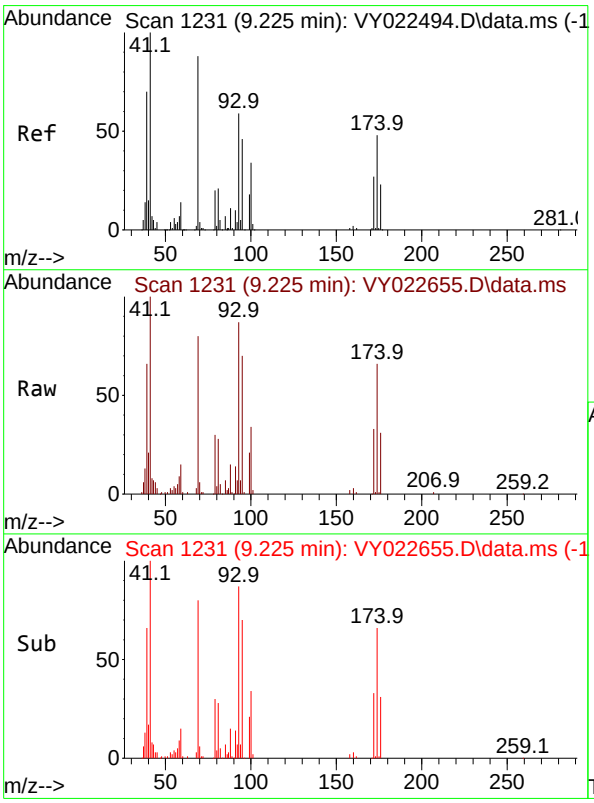
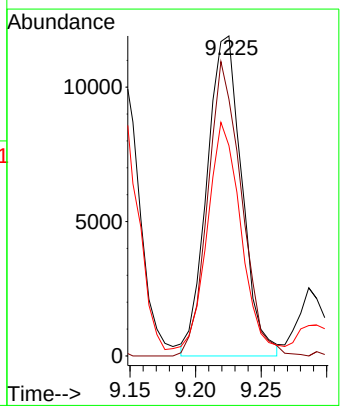
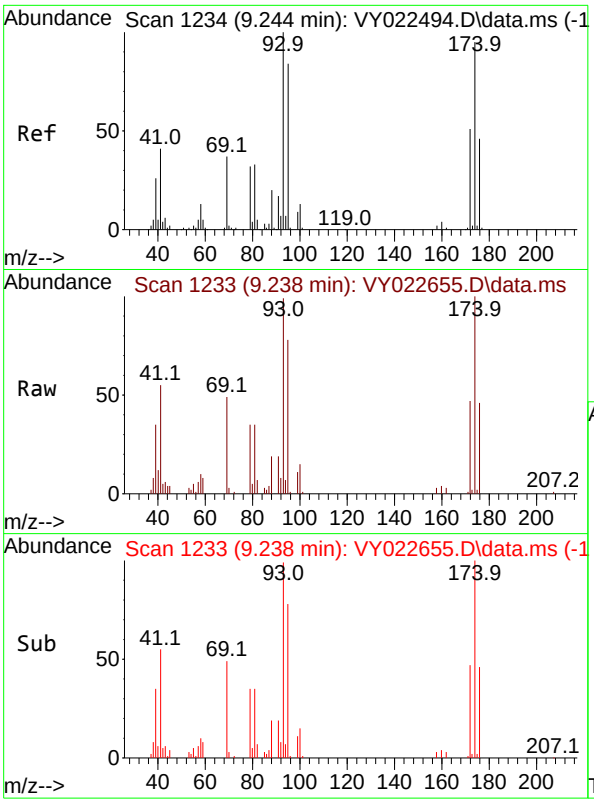


#48
Methyl methacrylate
Concen: 19.315 ug/l m
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 41 Resp: 22107

Ion	Ratio	Lower	Upper
41	100		
69	88.6	67.8	101.8
39	67.1	55.0	82.4





#49
1,4-Dioxane
Concen: 405.855 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 88 Resp: 478

Ion	Ratio	Lower	Upper
88	100		
43	39.7	25.4	38.2
58	61.4	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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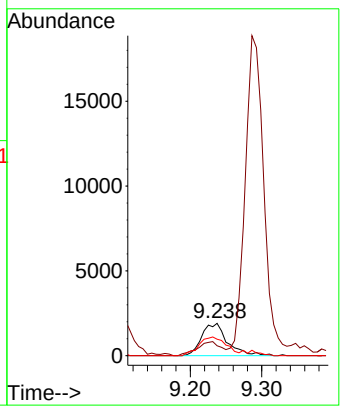
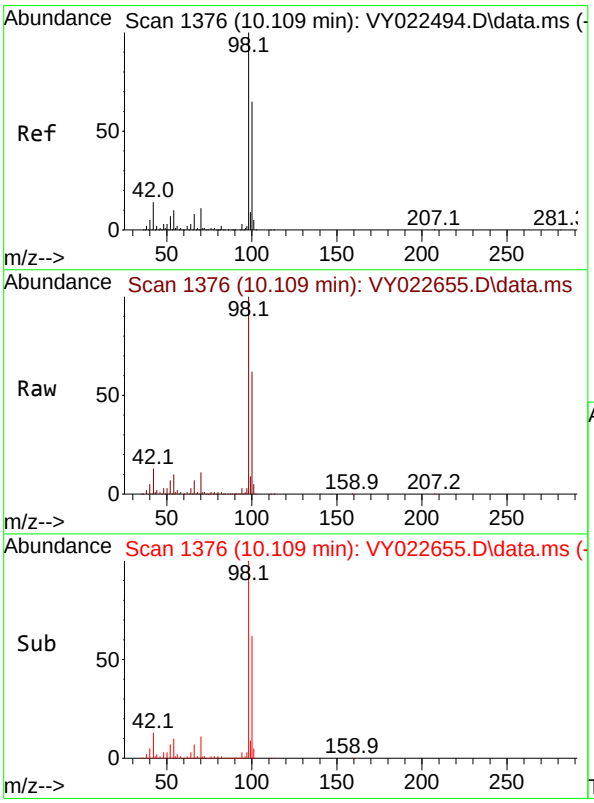
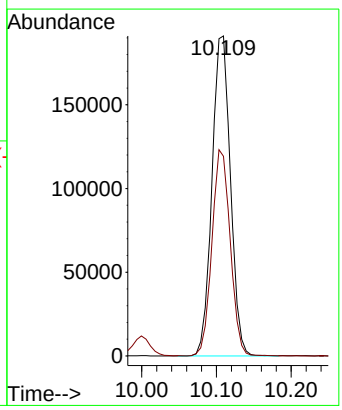


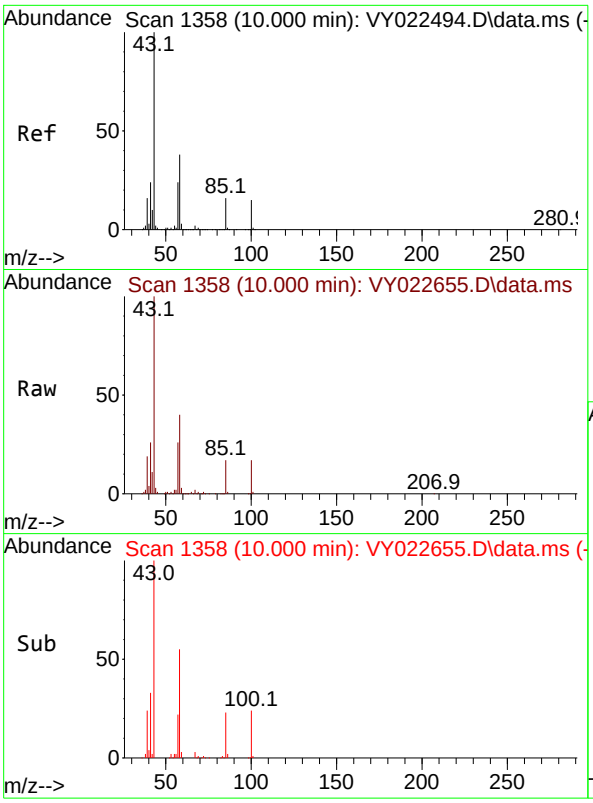


#50
Toluene-d8
Concen: 52.037 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 98 Resp: 328033

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

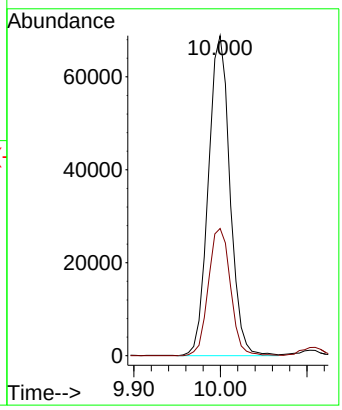




#51
4-Methyl-2-Pentanone
Concen: 98.107 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 11928

Ion	Ratio	Lower	Upper
43	100		
58	40.7	30.4	45.6



Instrument :
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ClientSampleId :
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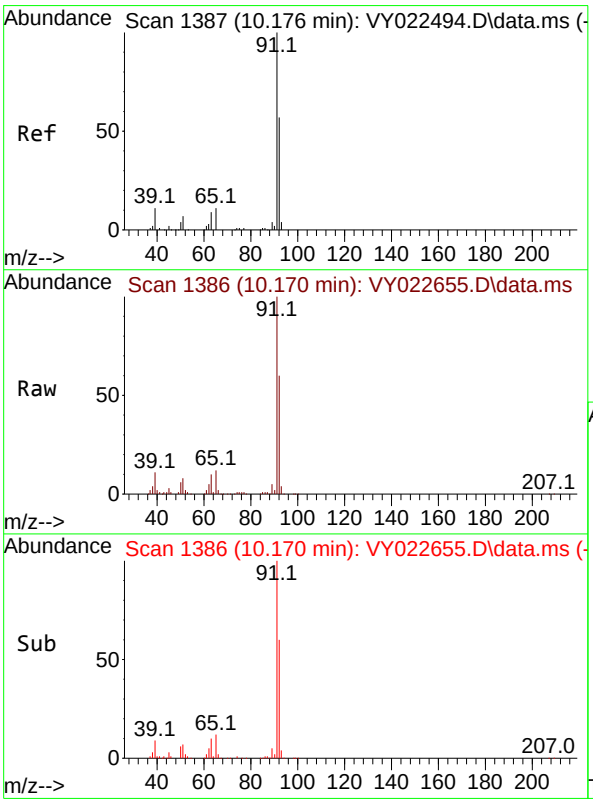
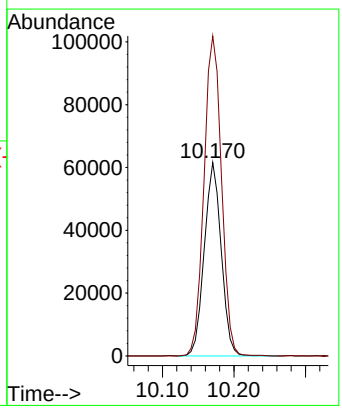
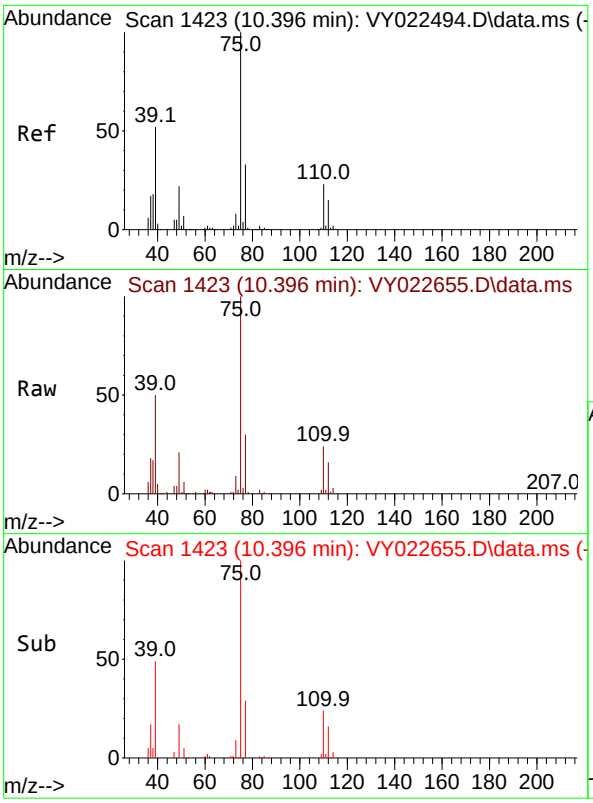


#52
Toluene
Concen: 21.544 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 92 Resp: 101252

Ion	Ratio	Lower	Upper
92	100		
91	171.1	139.0	208.4

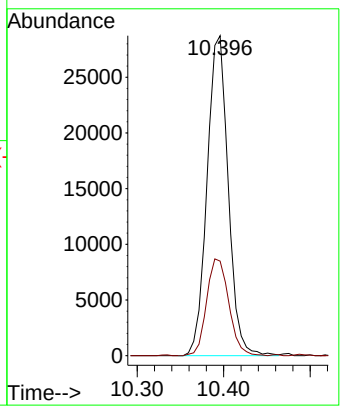




#53
t-1,3-Dichloropropene
Concen: 20.629 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 4873

Ion	Ratio	Lower	Upper
75	100		
77	29.5	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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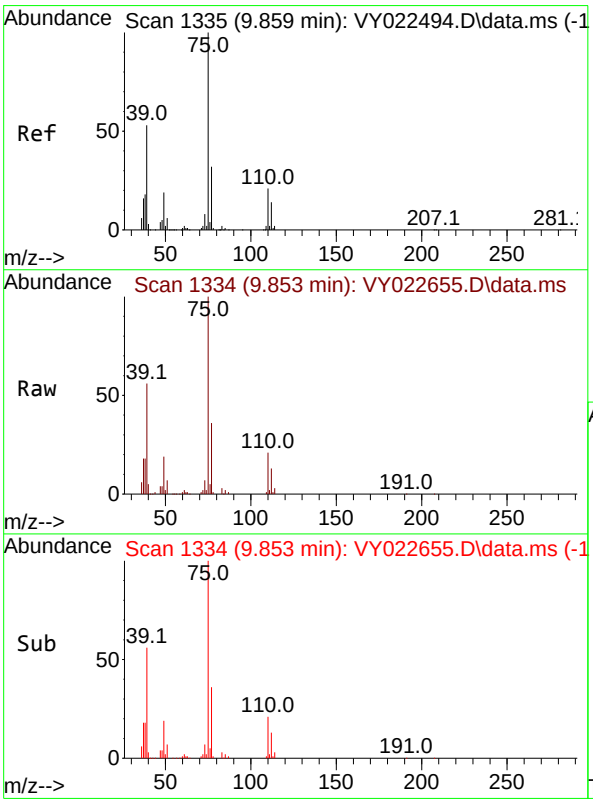
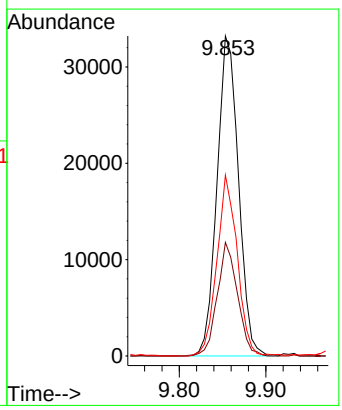
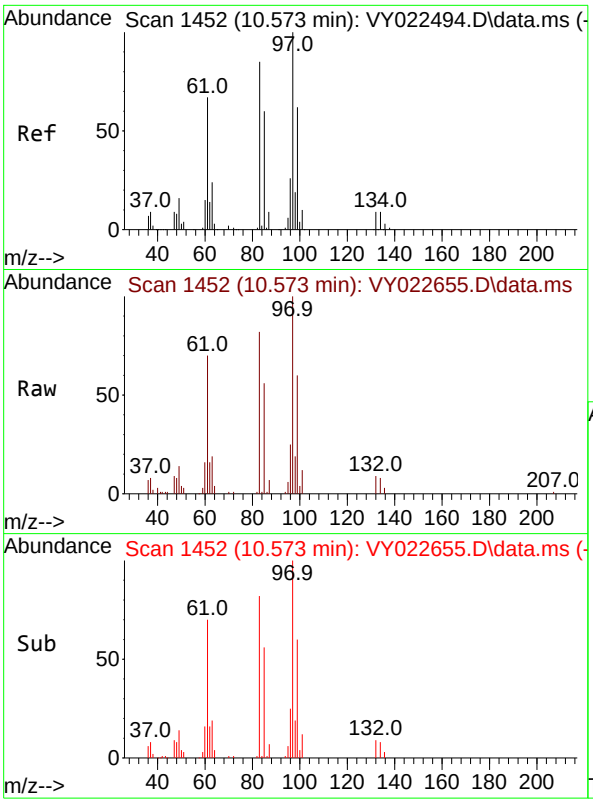


#54
cis-1,3-Dichloropropene
Concen: 20.820 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 57255

Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.3	37.9
39	56.5	42.7	64.1

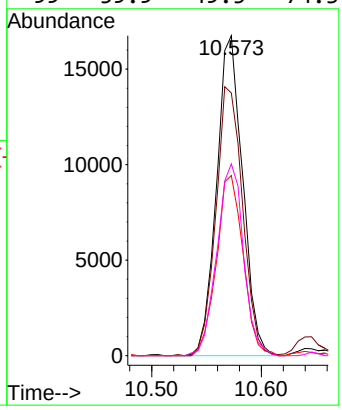




#55
1,1,2-Trichloroethane
Concen: 21.784 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 97 Resp: 2762

Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.1	102.1
85	56.3	48.2	72.2
99	59.9	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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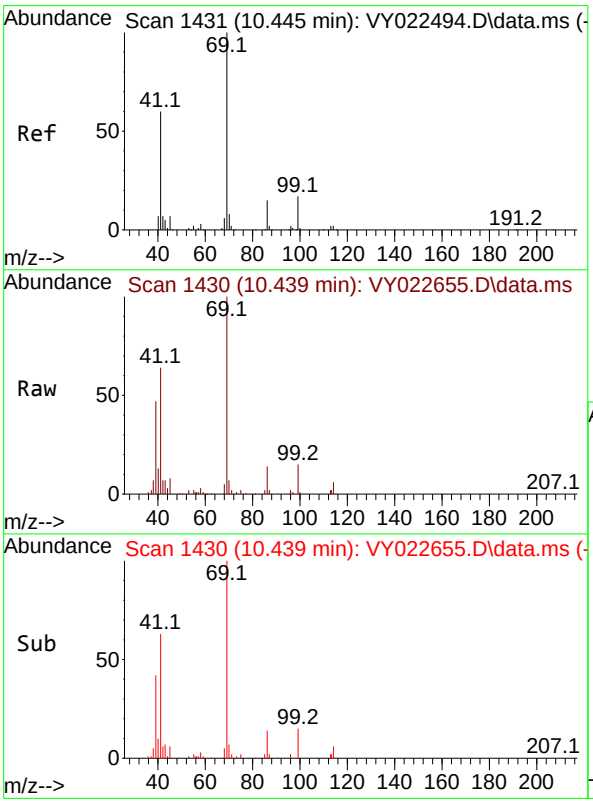
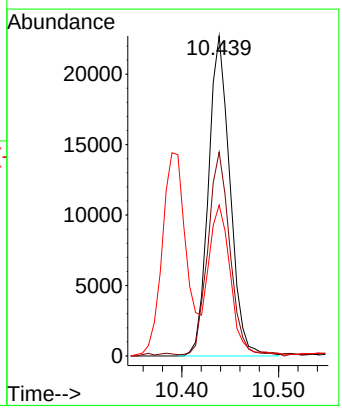
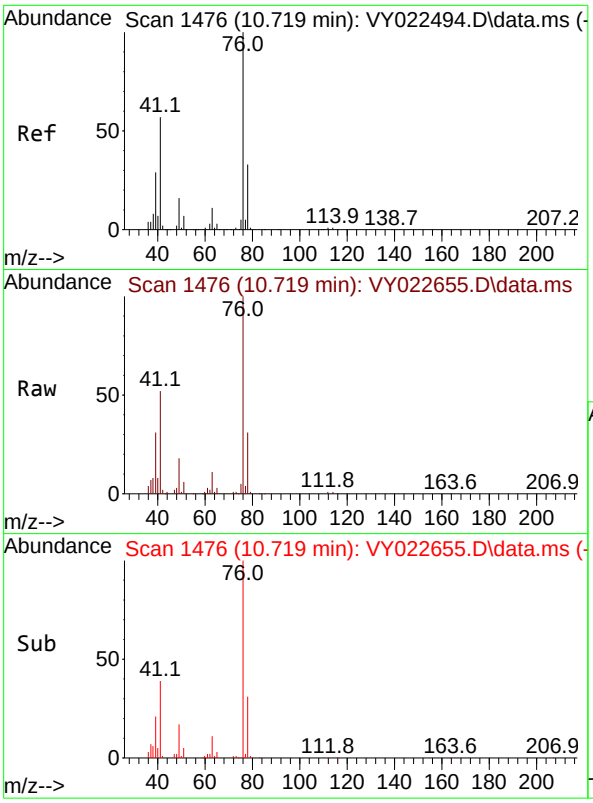


#56
Ethyl methacrylate
Concen: 19.225 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 69 Resp: 35231

Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	47.2	36.7	55.1

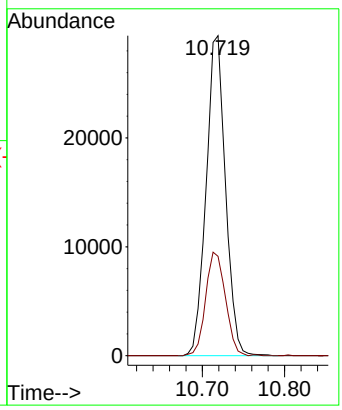




#57
1,3-Dichloropropane
Concen: 21.396 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 76 Resp: 4808

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
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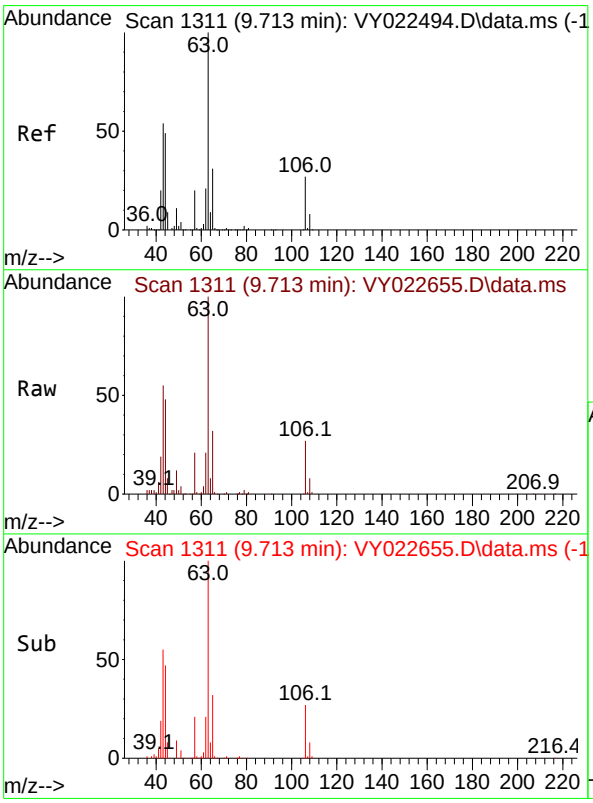
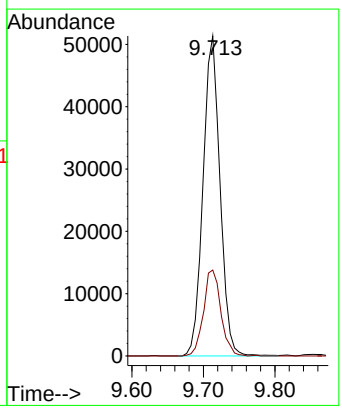
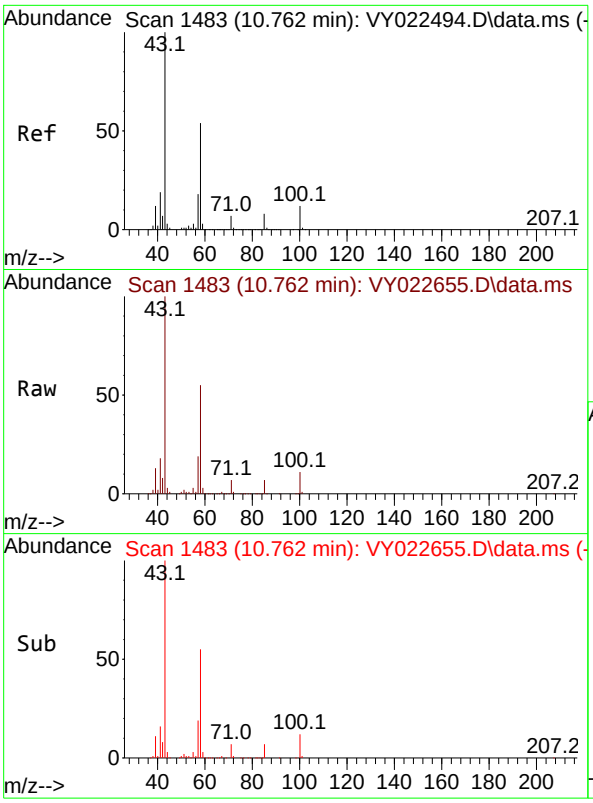


#58
2-Chloroethyl Vinyl ether
Concen: 101.741 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 63 Resp: 84651

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.6	32.4

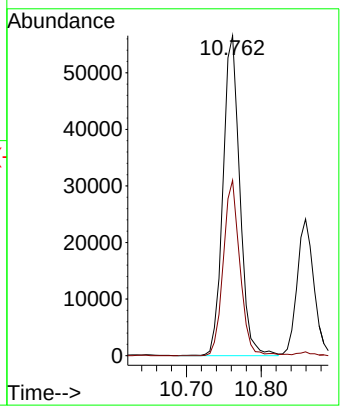




#59
2-Hexanone
Concen: 108.852 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 8851

Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.3	81.8



Instrument :
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ClientSampleId :
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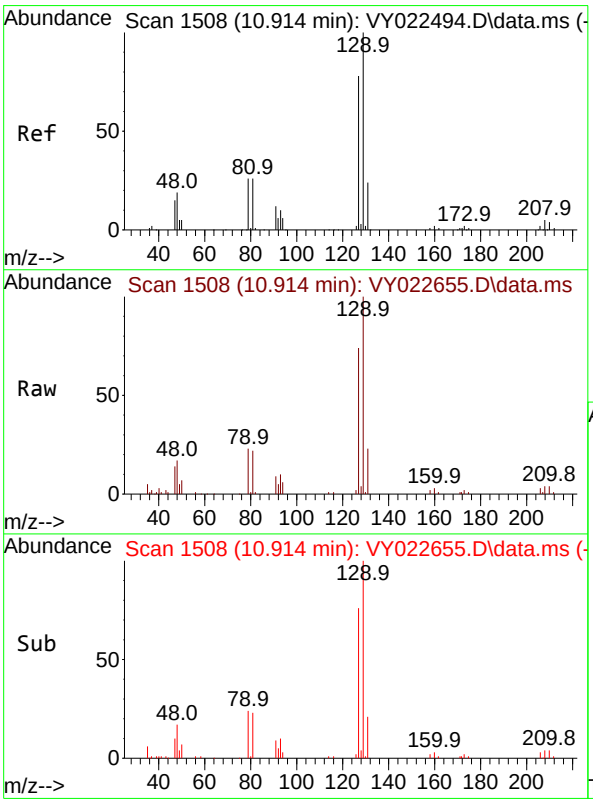
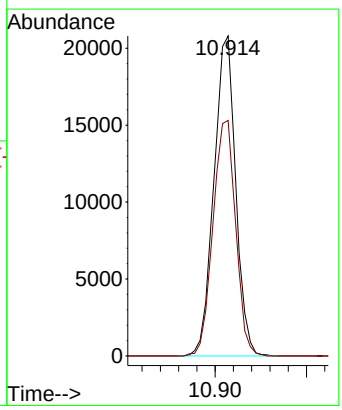
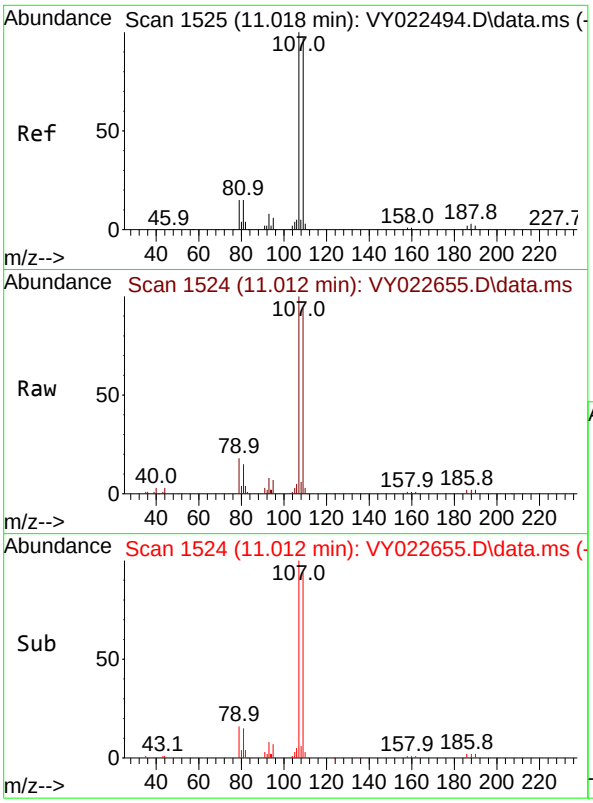


#60
Dibromochloromethane
Concen: 21.352 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:129 Resp: 34405

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.2

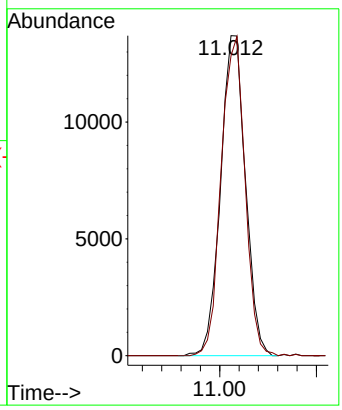




#61
1,2-Dibromoethane
Concen: 21.142 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:107 Resp: 2443

Ion	Ratio	Lower	Upper
107	100		
109	95.5	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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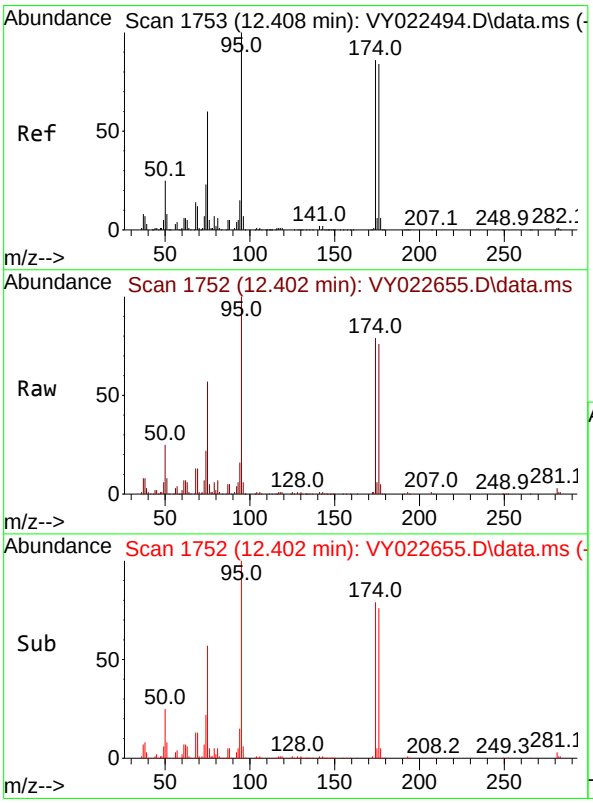
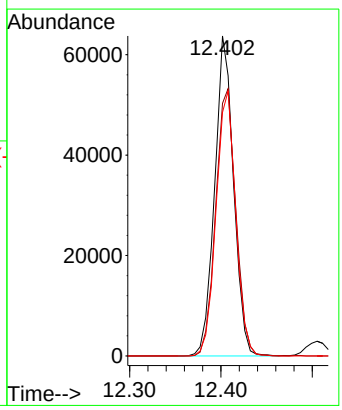
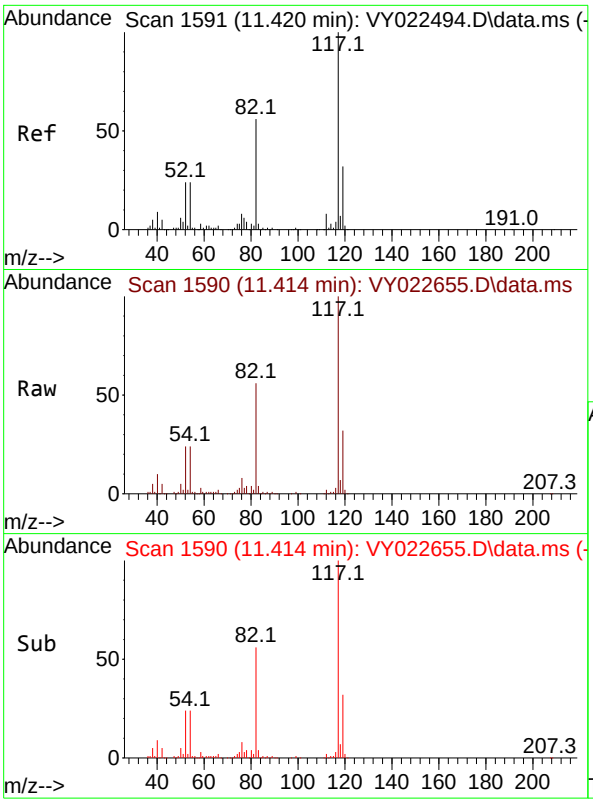


#62
4-Bromofluorobenzene
Concen: 48.779 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 95 Resp: 91618

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	170.0
176	86.0	0.0	166.2

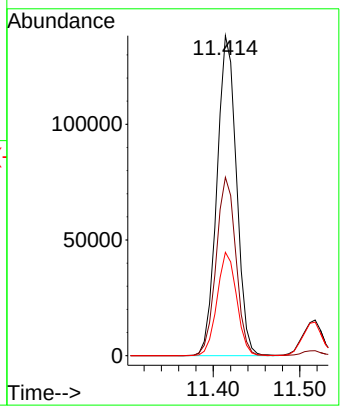




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:117 Resp: 21637

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	32.3	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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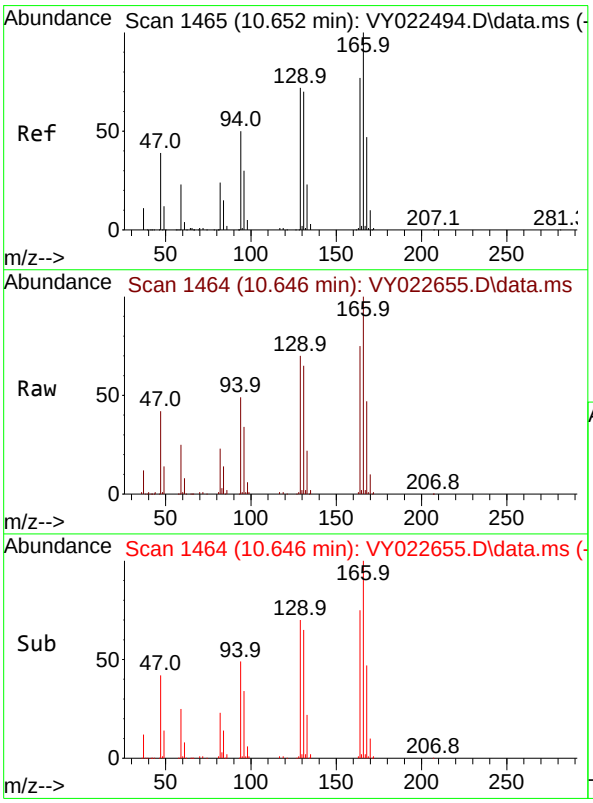
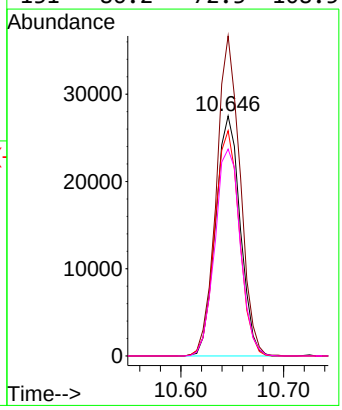
Supervised By :Semsettin Yesilyurt 06/12/2025

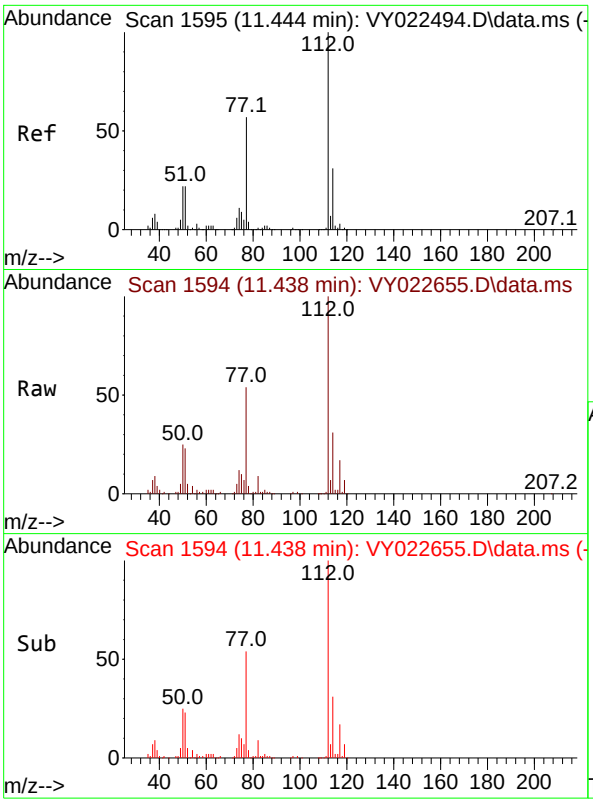


#64
Tetrachloroethene
Concen: 24.611 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:164 Resp: 45809

Ion	Ratio	Lower	Upper
164	100		
166	133.4	104.0	156.0
129	93.9	74.5	111.7
131	86.2	72.3	108.5

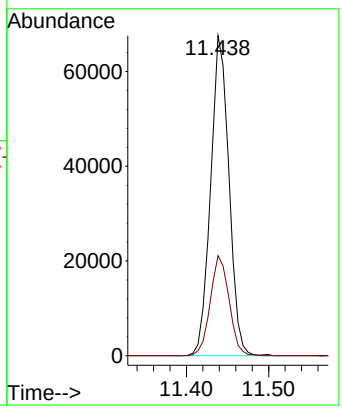




#65
Chlorobenzene
Concen: 21.864 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:112 Resp: 10468

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6



Instrument :
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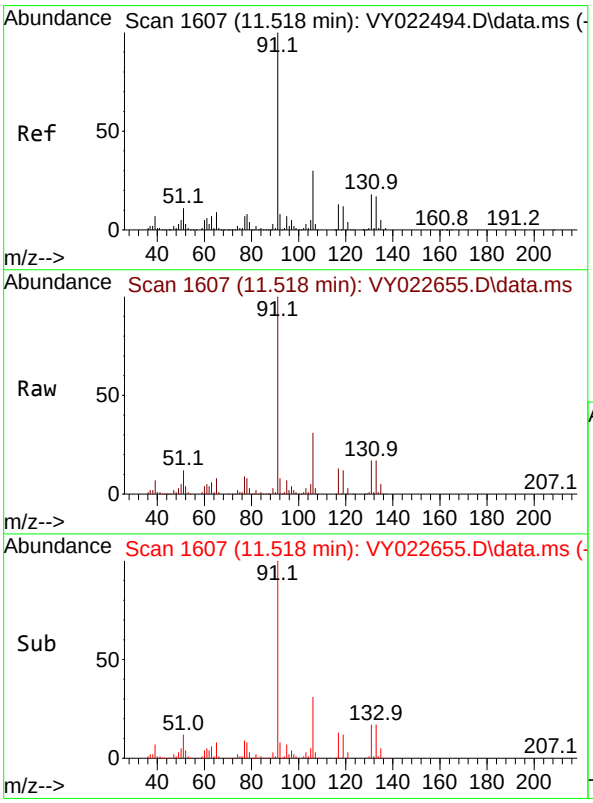
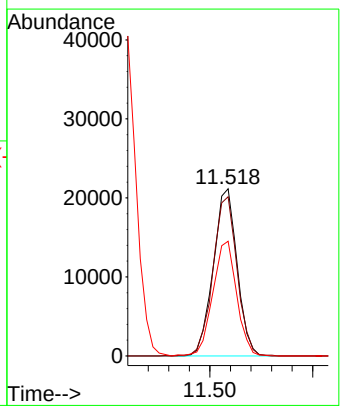
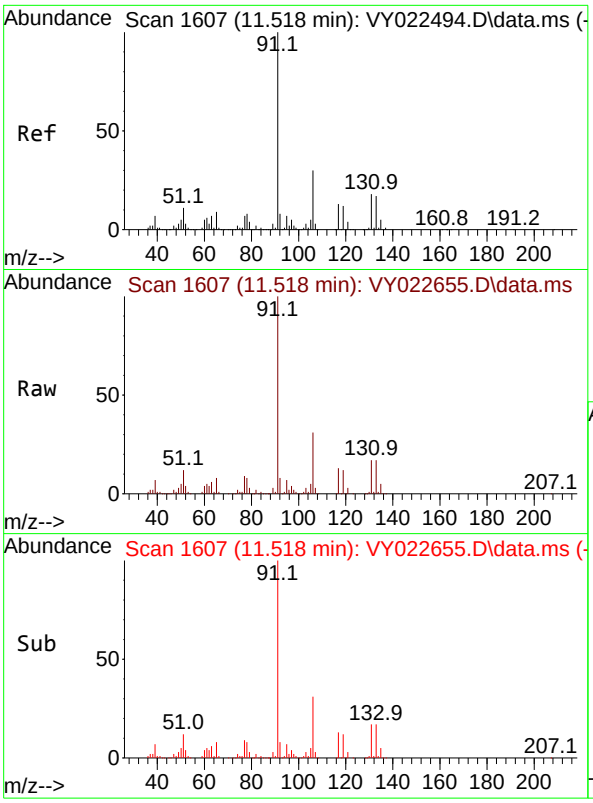


#66
1,1,1,2-Tetrachloroethane
Concen: 21.071 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:131 Resp: 33988

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	141.8
119	68.8	33.1	99.3

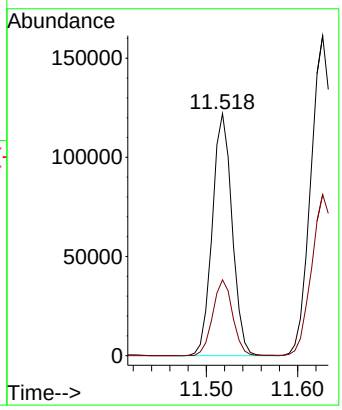




#67
Ethyl Benzene
Concen: 20.745 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 18423

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.4



Instrument :
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ClientSampleId :
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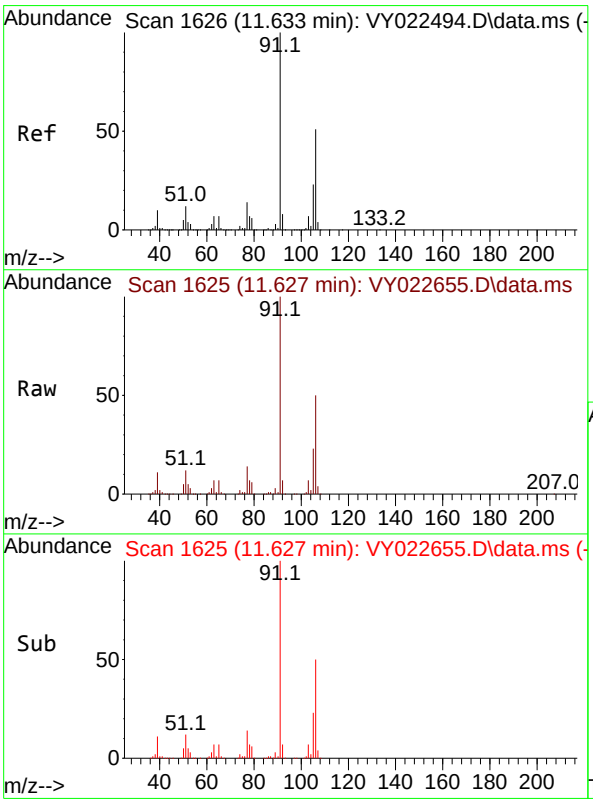
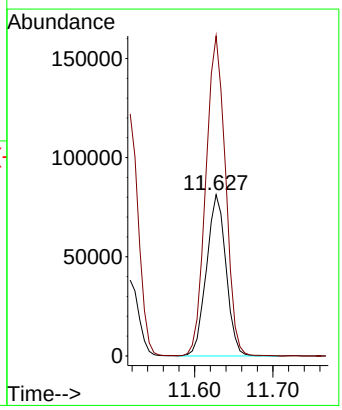
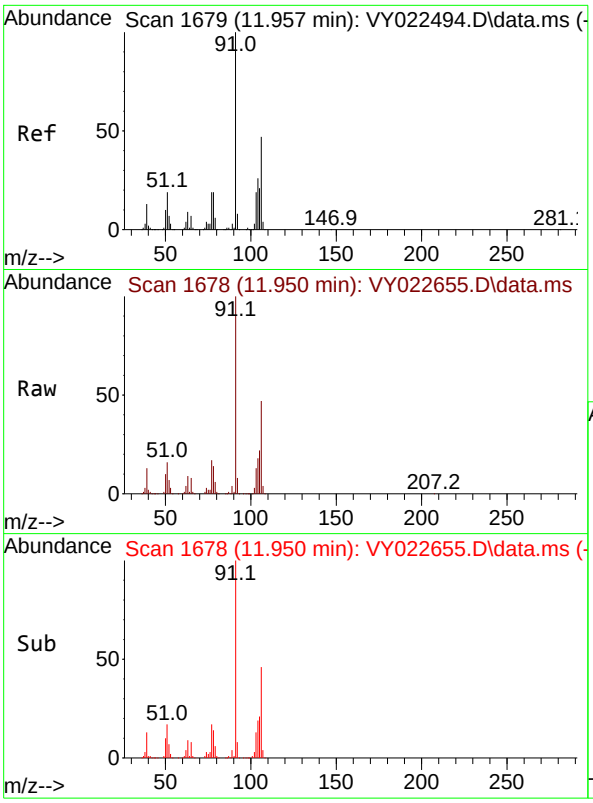


#68
m/p-Xylenes
Concen: 41.839 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:106 Resp: 140858

Ion	Ratio	Lower	Upper
106	100		
91	199.7	159.4	239.0

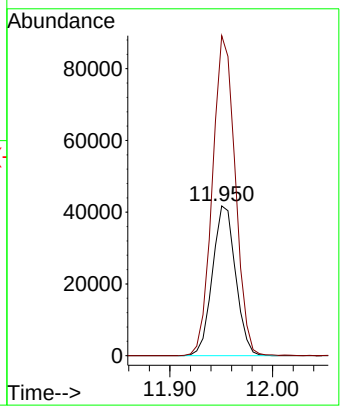




#69
o-Xylene
Concen: 20.690 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:106 Resp: 6530

Ion	Ratio	Lower	Upper
106	100		
91	210.9	105.8	317.3



Instrument :
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ClientSampleId :
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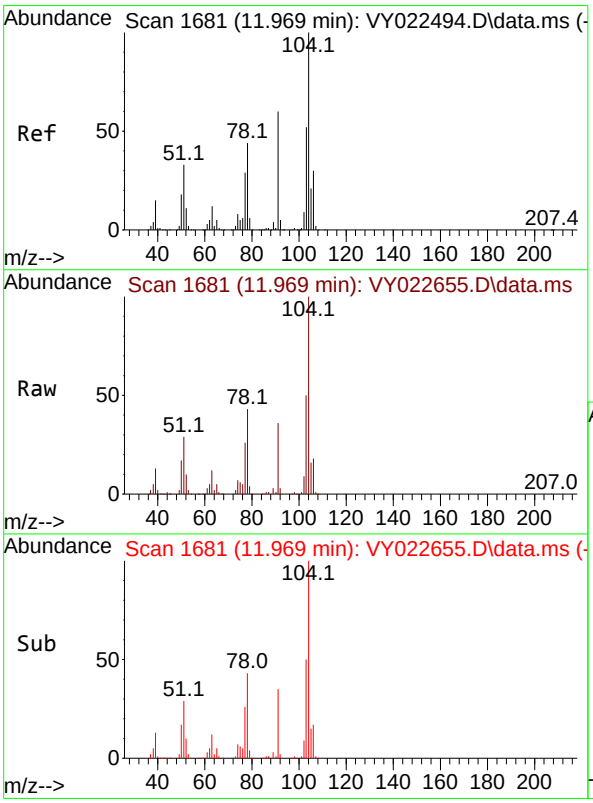
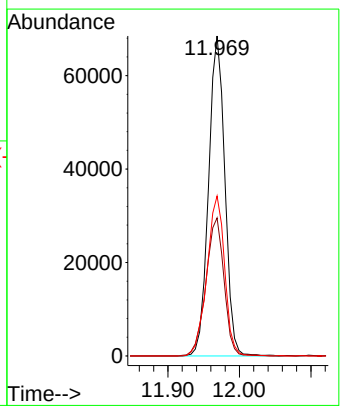
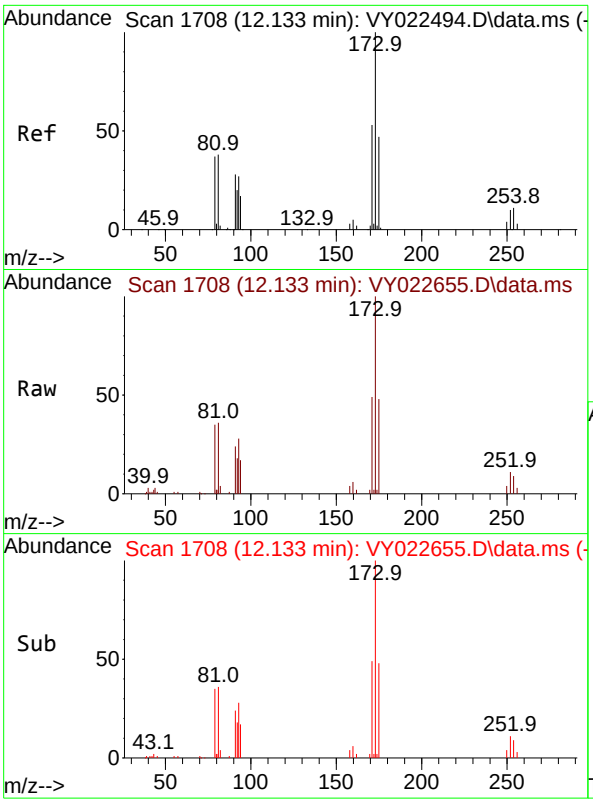


#70
Styrene
Concen: 20.781 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:104 Resp: 108428

Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.5	59.3
103	54.2	44.1	66.1

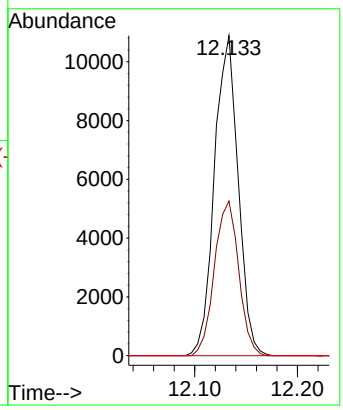




#71
Bromoform
Concen: 20.322 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:173 Resp: 1744

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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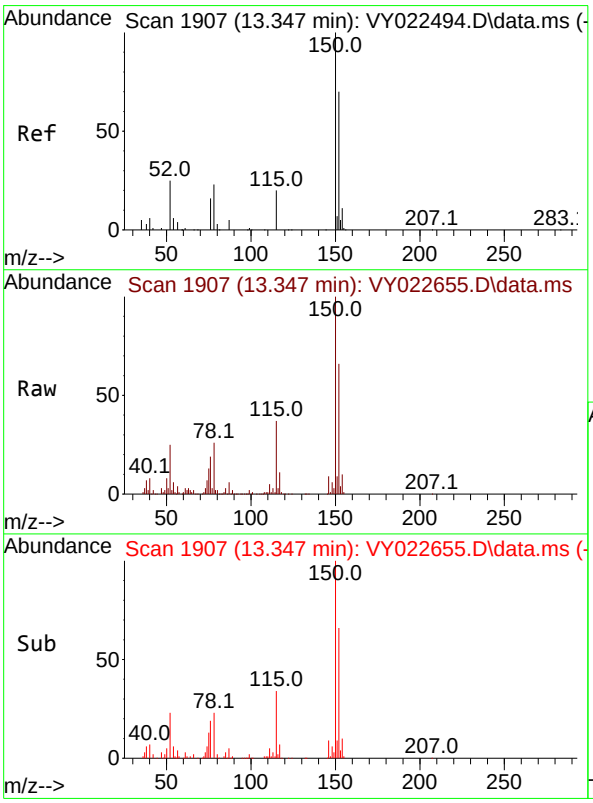
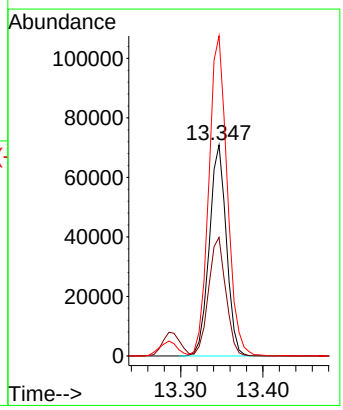
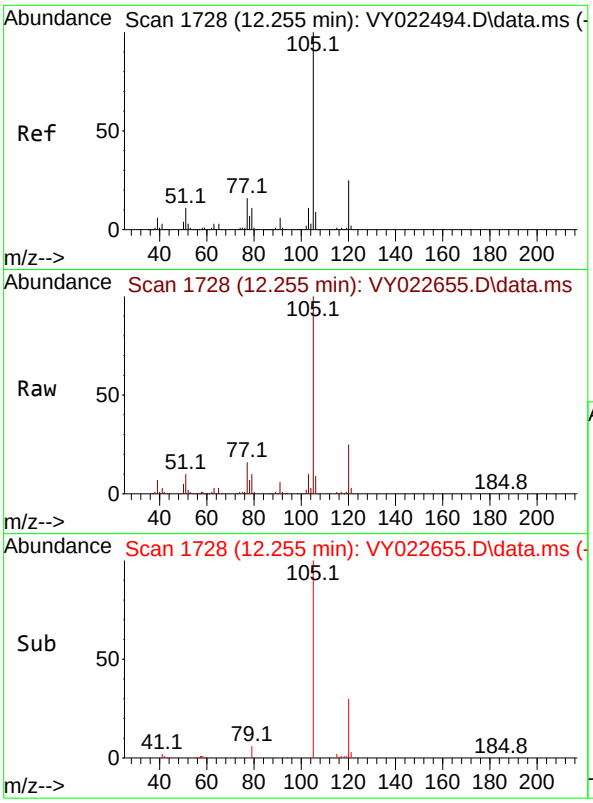


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:152 Resp: 102308

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.7
150	163.6	0.0	349.6

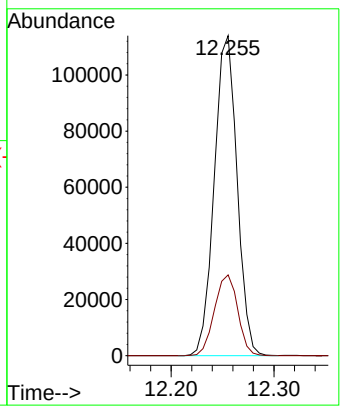




#73
Isopropylbenzene
Concen: 20.874 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:105 Resp: 17532

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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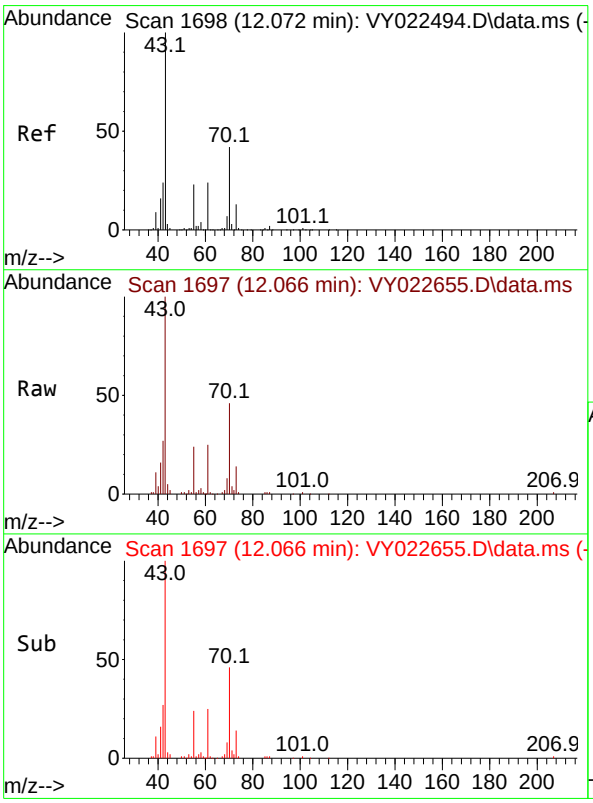
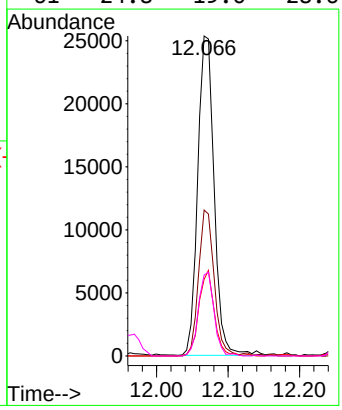
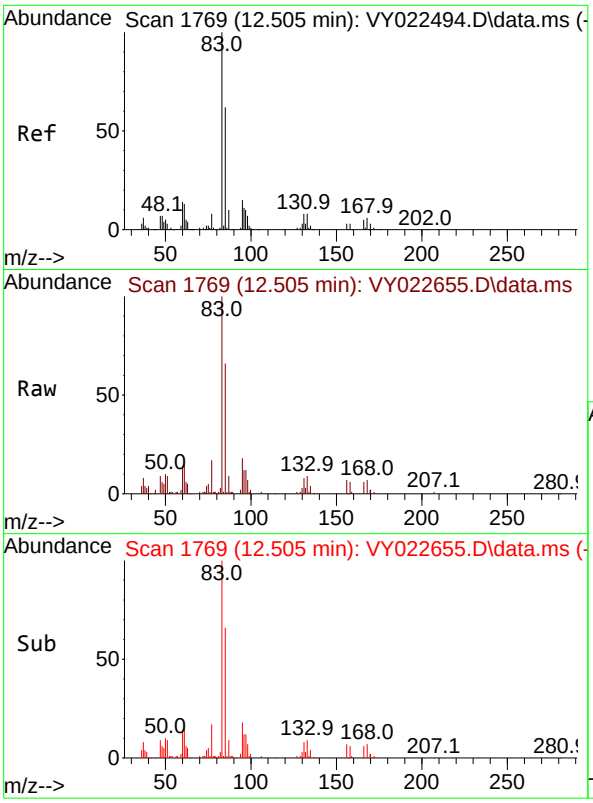


#74
N-amyl acetate
Concen: 19.083 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 40443

Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.2	51.2
55	25.2	18.2	27.4
61	24.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 19.484 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 83 Resp: 2686

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.9	14.7
85	64.8	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
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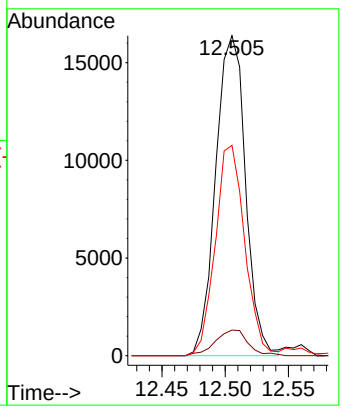
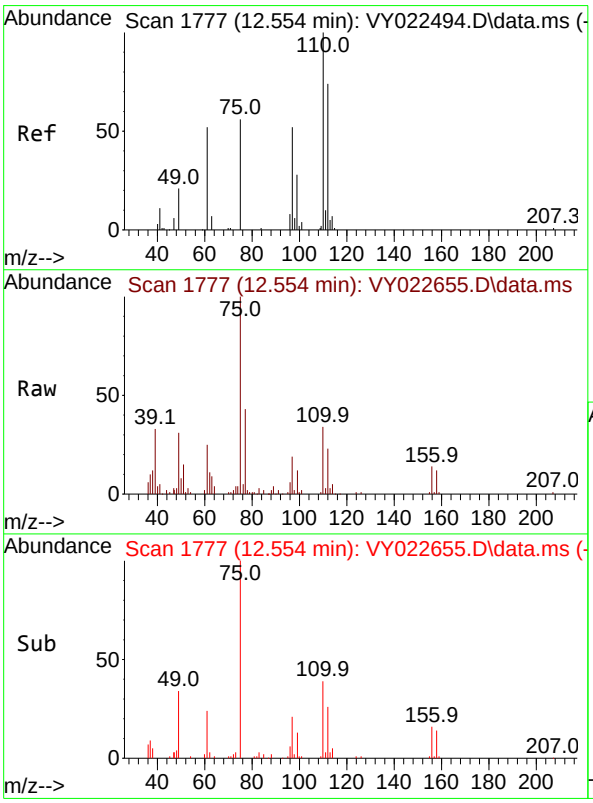
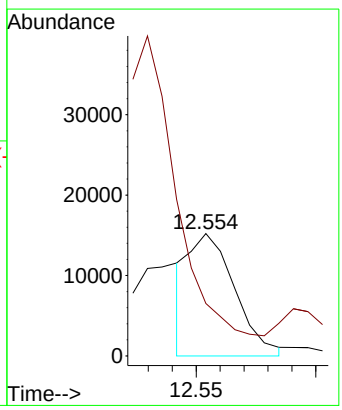


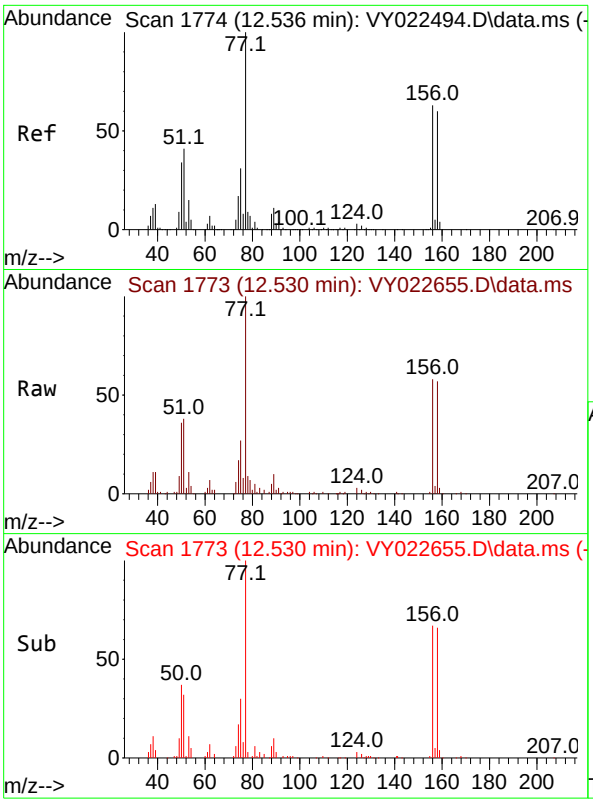


#76
1,2,3-Trichloropropane
Concen: 17.549 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 20540

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

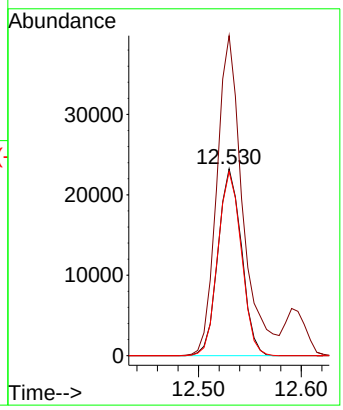




#77
Bromobenzene
Concen: 20.876 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:156 Resp: 3700

Ion	Ratio	Lower	Upper
156	100		
77	188.5	94.0	282.1
158	98.3	48.2	144.6



Instrument :
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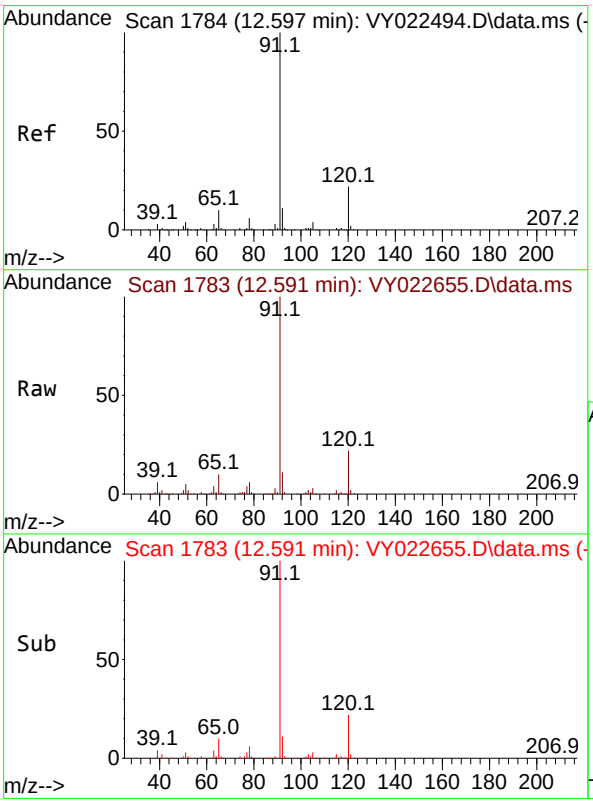
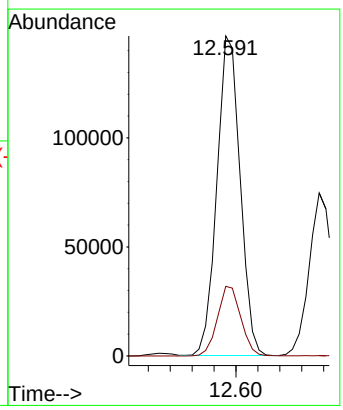
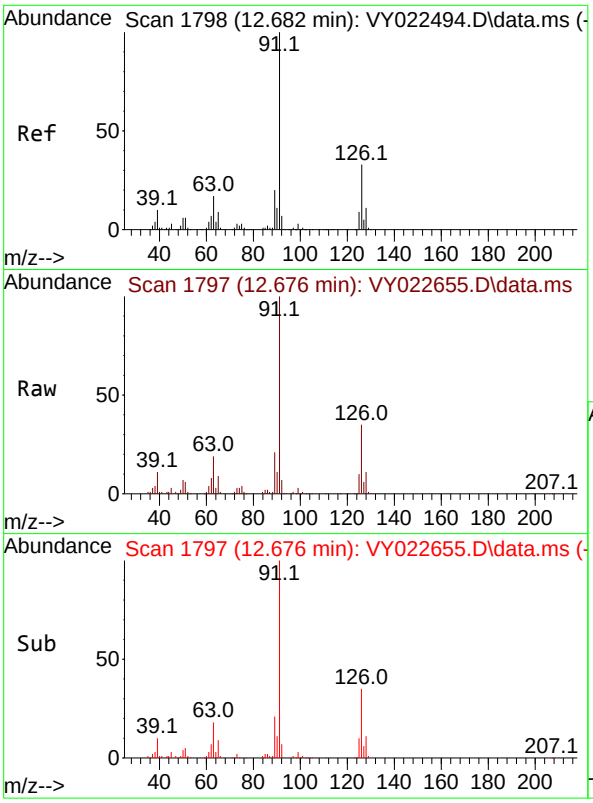


#78
n-propylbenzene
Concen: 21.023 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 215673

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

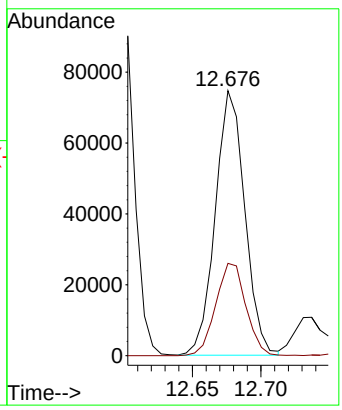




#79
2-Chlorotoluene
Concen: 20.568 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 11183

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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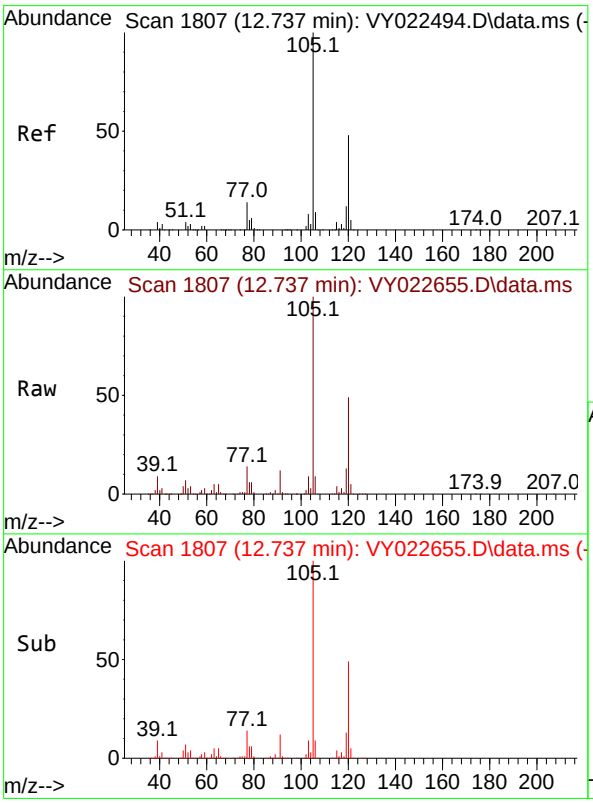
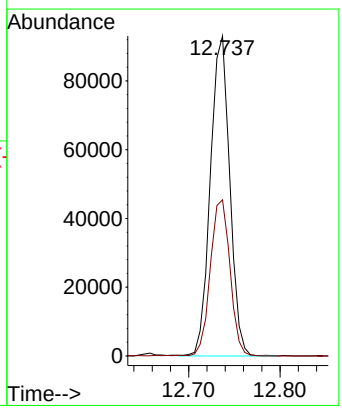
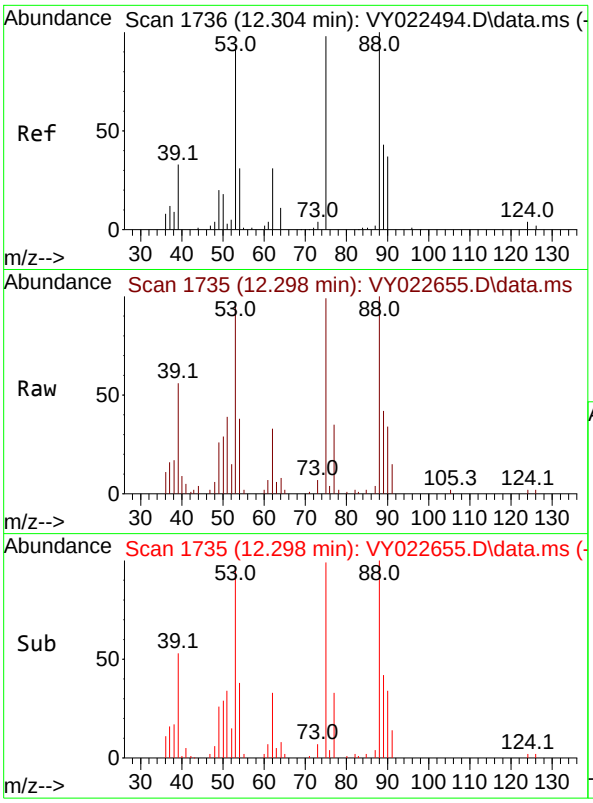


#80
1,3,5-Trimethylbenzene
Concen: 20.769 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:105 Resp: 136959

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.231 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 883

Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.5	117.7
89	45.6	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
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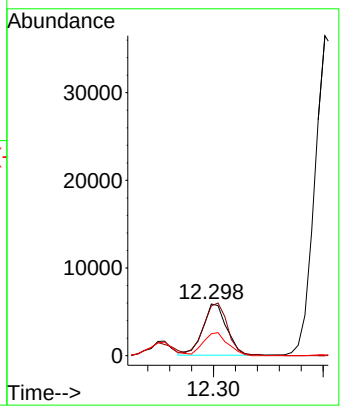
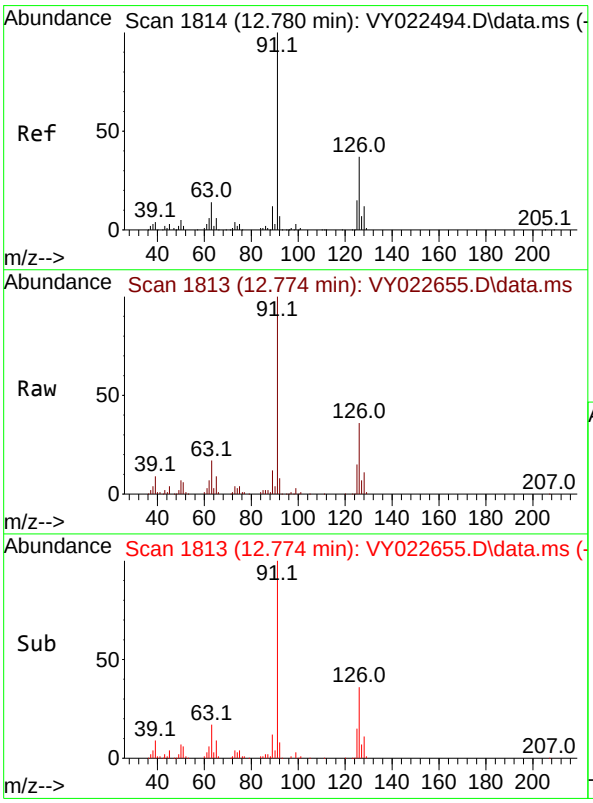
Supervised By :Semsettin Yesilyurt 06/12/2025

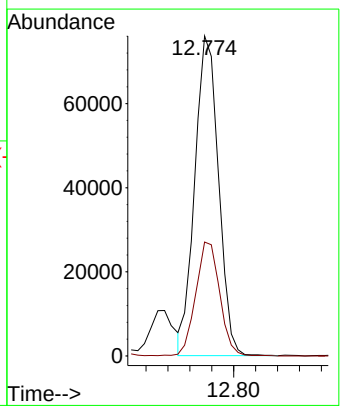


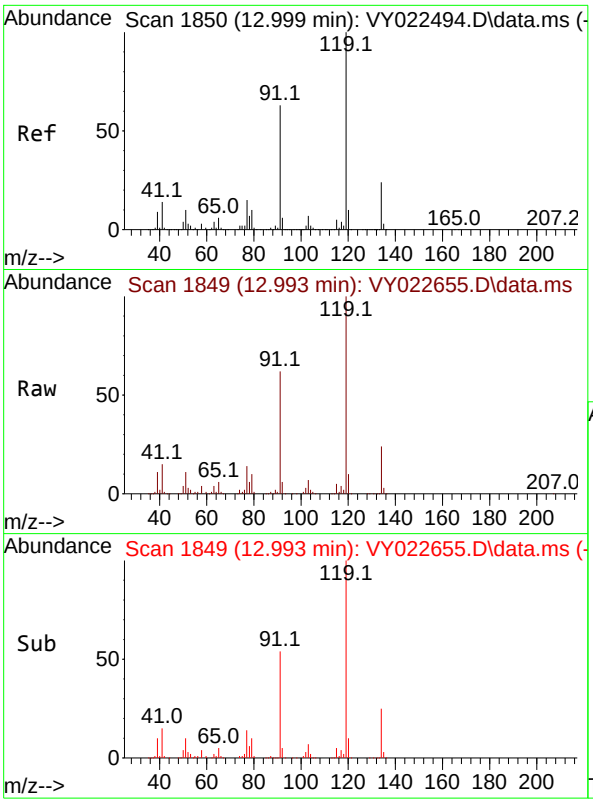


#82
4-Chlorotoluene
Concen: 20.380 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 114316

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.0	50.9

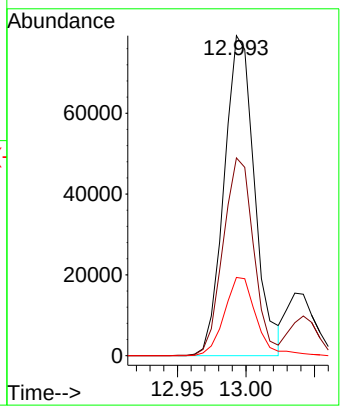




#83
tert-Butylbenzene
Concen: 20.705 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:119 Resp: 12254

Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.1	96.3
134	25.6	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
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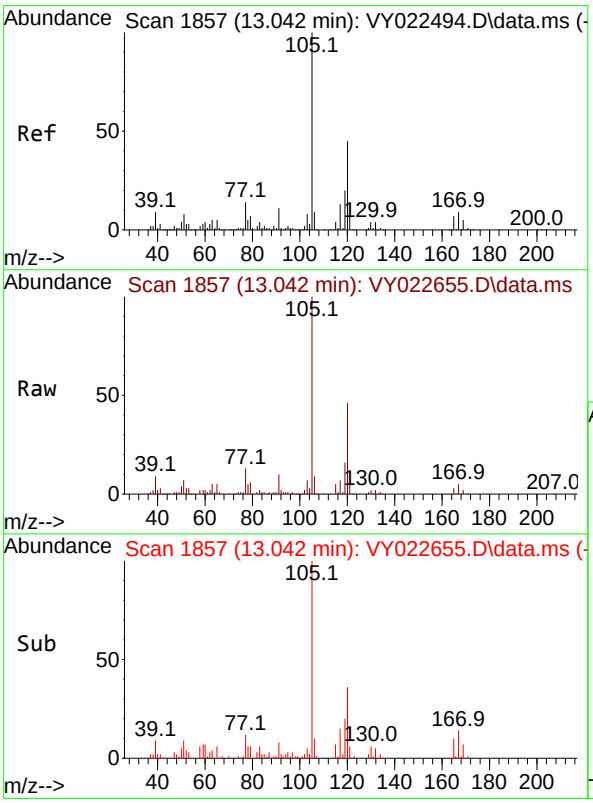
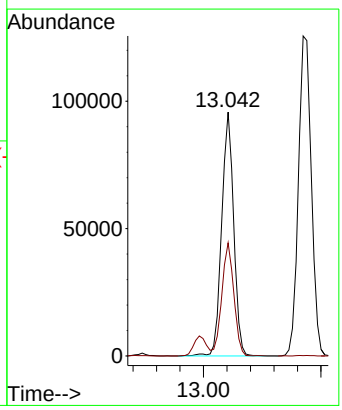
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

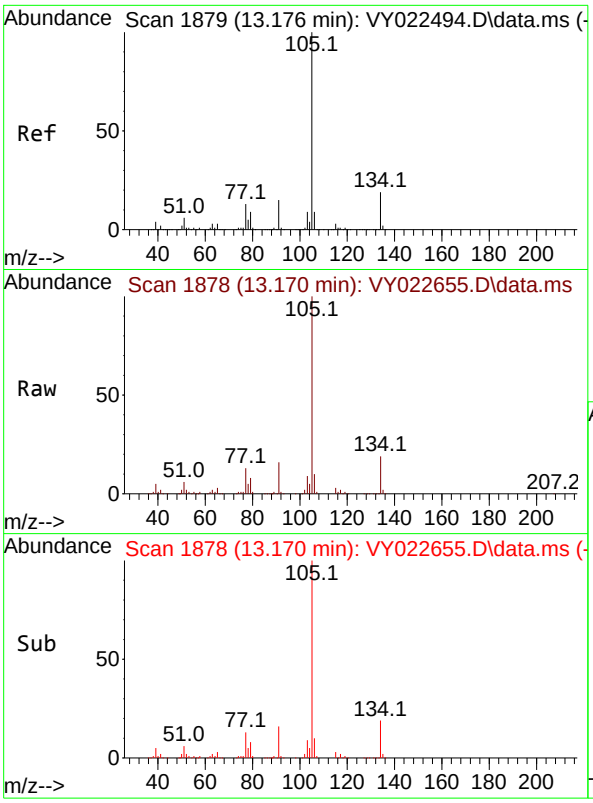


#84
1,2,4-Trimethylbenzene
Concen: 20.590 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:105 Resp: 135799

Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.7	68.1

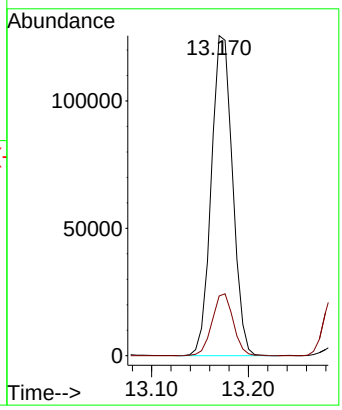




#85
sec-Butylbenzene
Concen: 21.130 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:105 Resp: 19153

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
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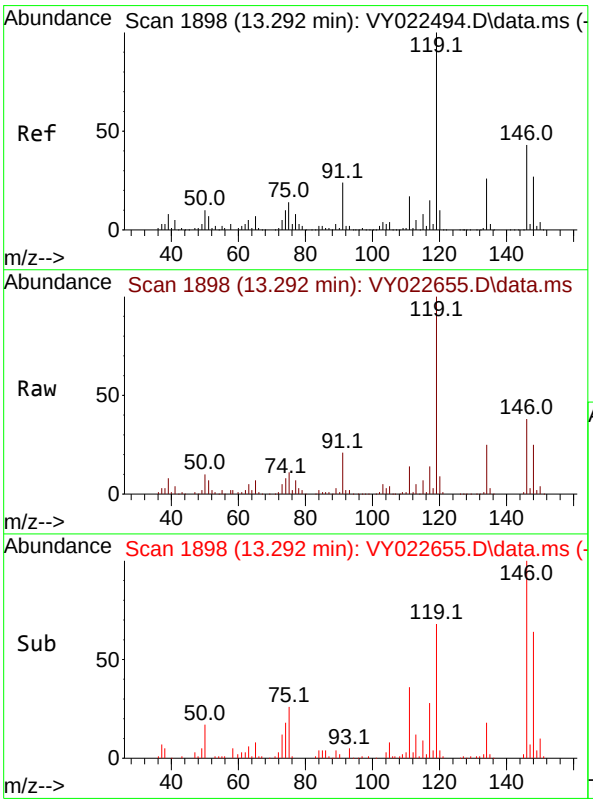
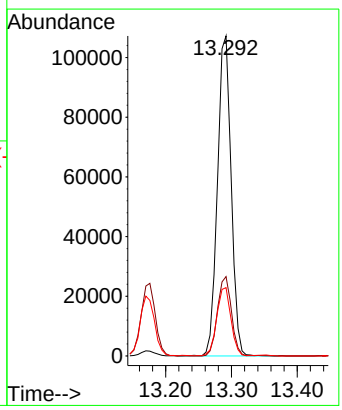
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

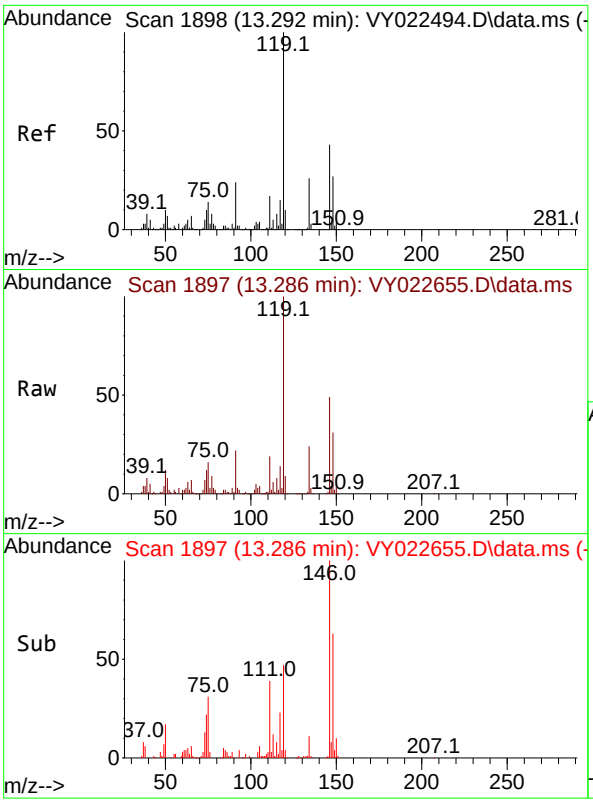


#86
p-Isopropyltoluene
Concen: 20.765 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:119 Resp: 155151

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.1
91	22.0	11.6	34.8

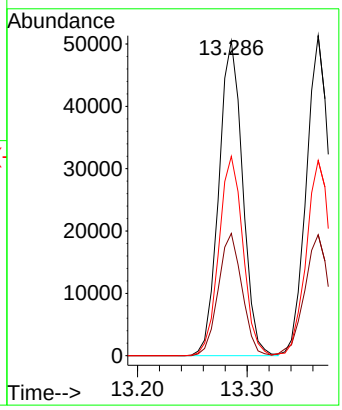




#87
1,3-Dichlorobenzene
Concen: 21.265 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:146 Resp: 7636

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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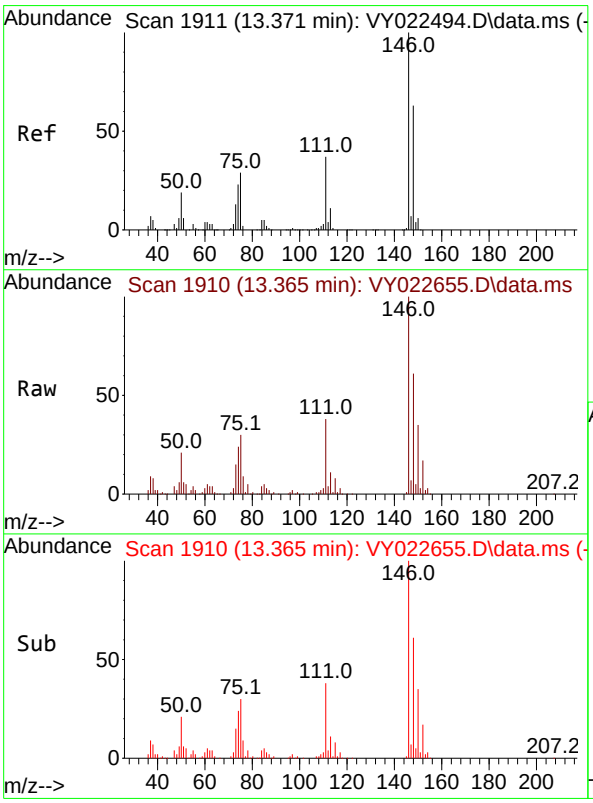
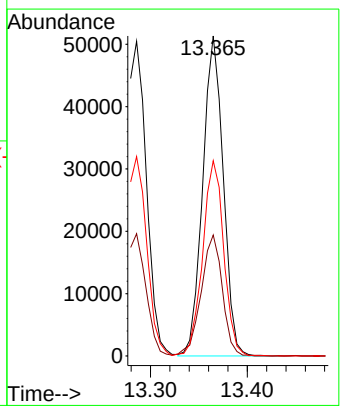
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

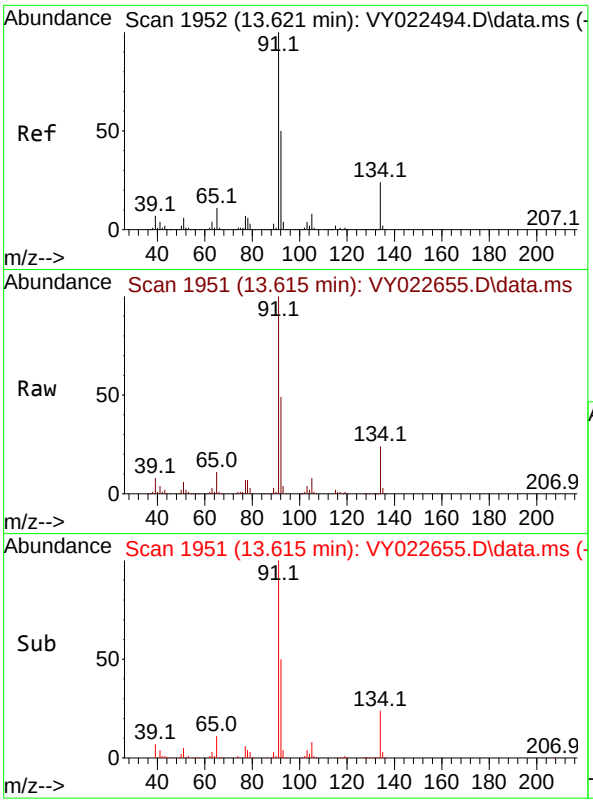


#88
1,4-Dichlorobenzene
Concen: 21.792 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:146 Resp: 75907

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	62.8	31.6	94.8

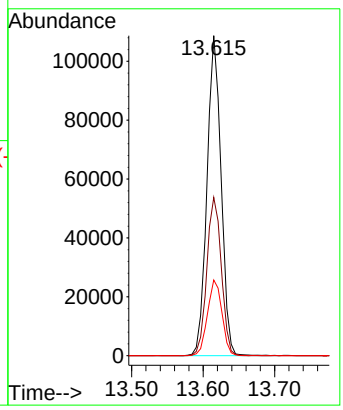




#89
n-Butylbenzene
Concen: 21.011 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 14894

Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.9	77.8
134	24.2	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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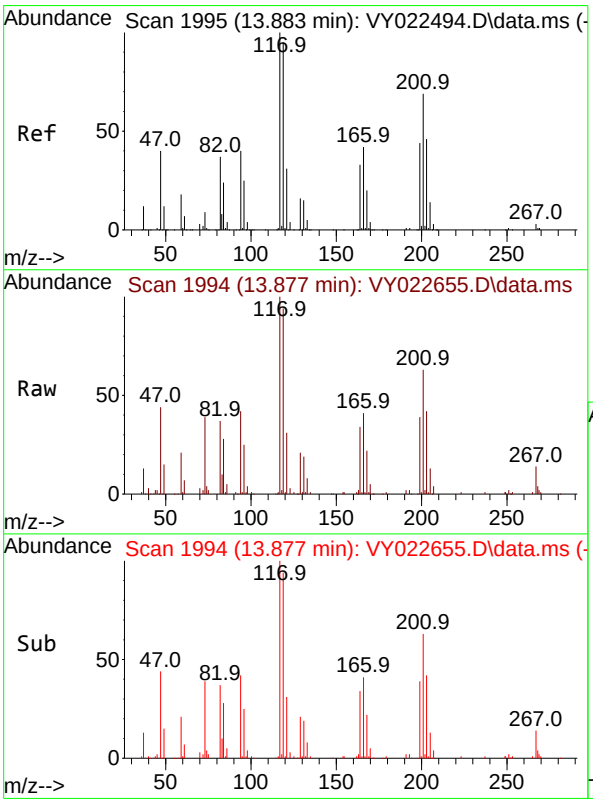
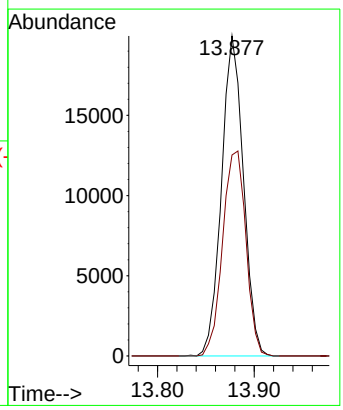
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

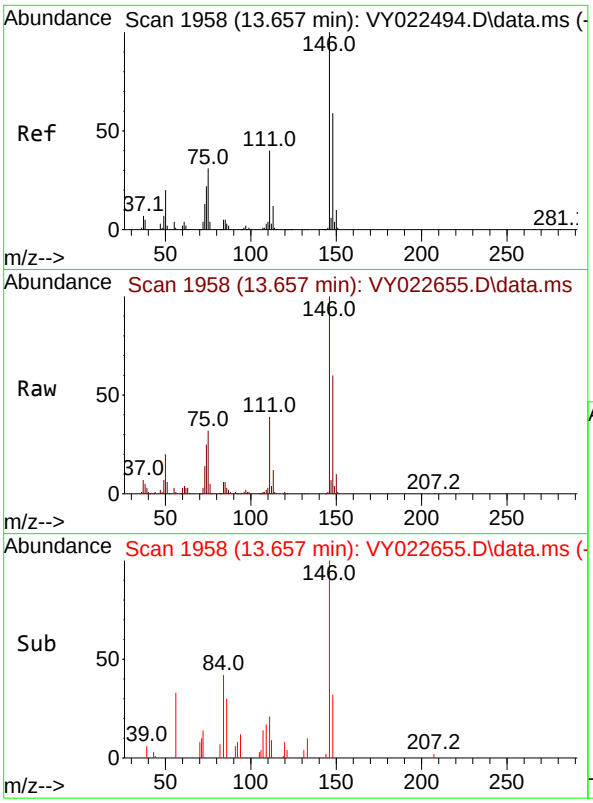


#90
Hexachloroethane
Concen: 21.563 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:117 Resp: 31366

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.0	102.0

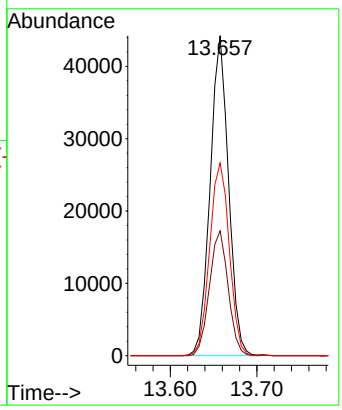




#91
1,2-Dichlorobenzene
Concen: 21.421 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:146 Resp: 6531

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	64.4	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

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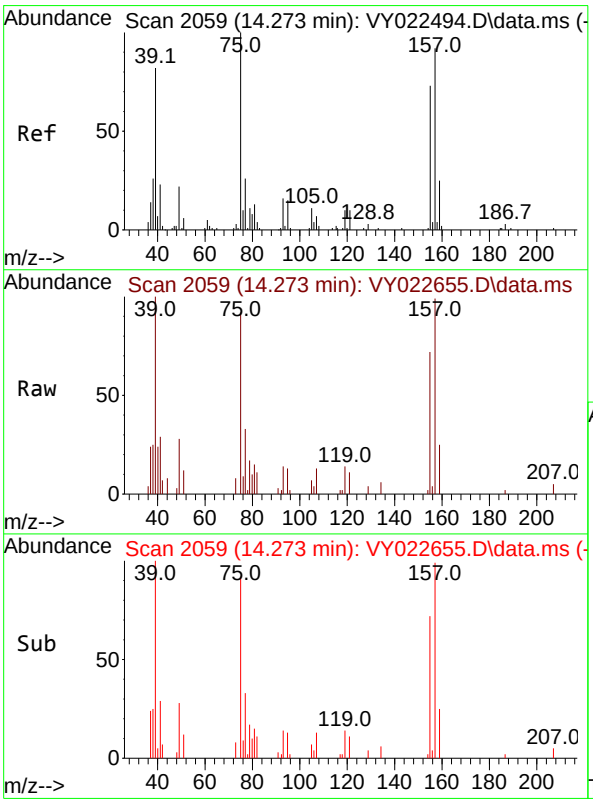
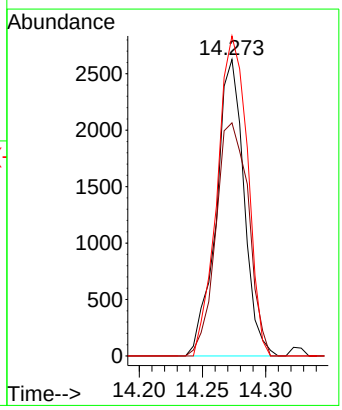
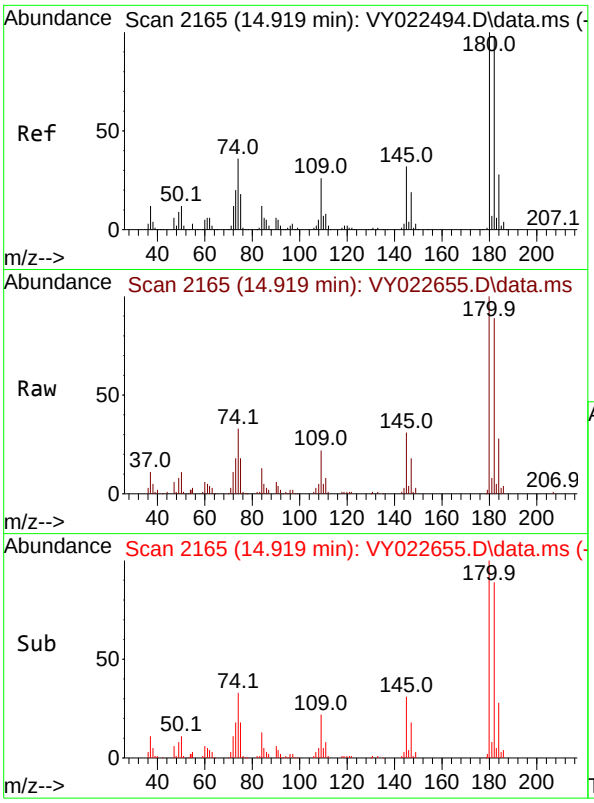


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.929 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 4000

Ion	Ratio	Lower	Upper
75	100		
155	92.6	39.9	119.6
157	117.7	54.0	162.0

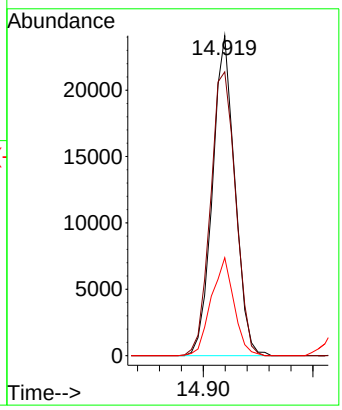




#93
1,2,4-Trichlorobenzene
Concen: 20.582 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:180 Resp: 3422

Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.4	145.3
145	31.2	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
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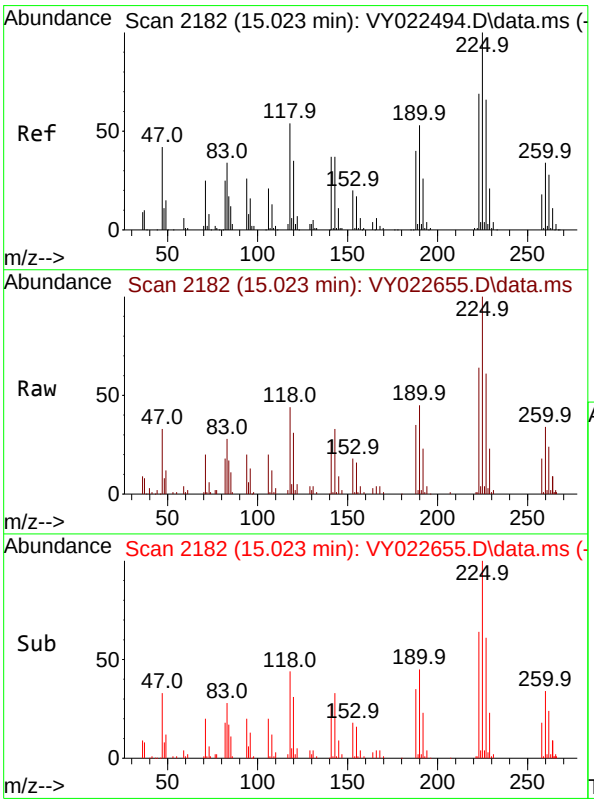
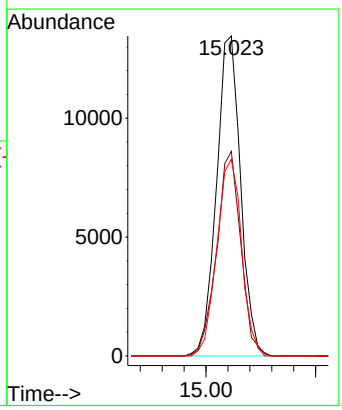
Reviewed By :Mahesh Dadoda 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

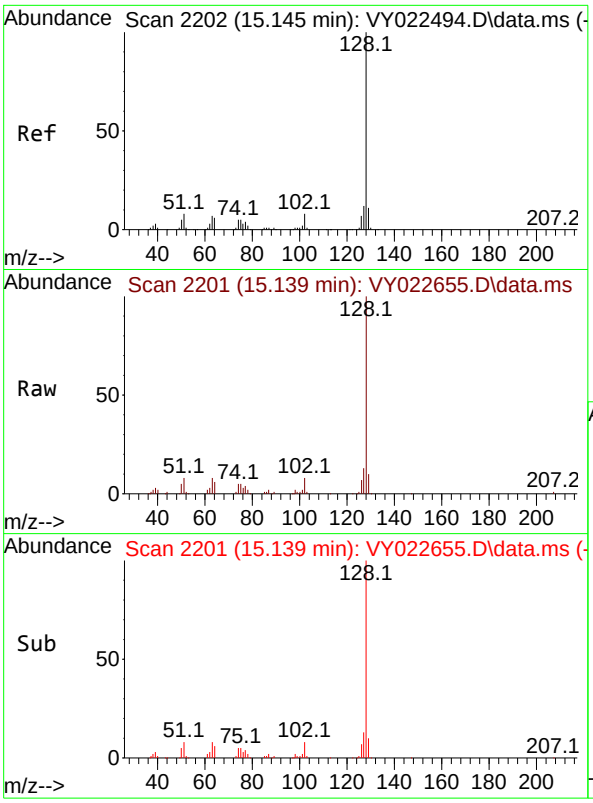


#94
Hexachlorobutadiene
Concen: 22.411 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:225 Resp: 20570

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.5	97.4
227	63.2	32.3	96.9

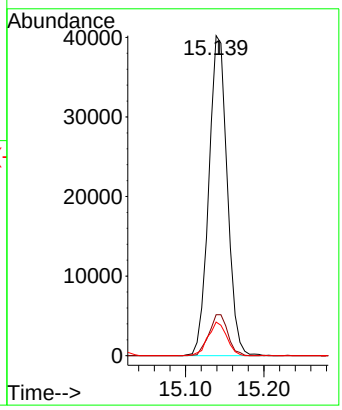




#95
Naphthalene
Concen: 20.574 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:128 Resp: 6565

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Manual Integrations
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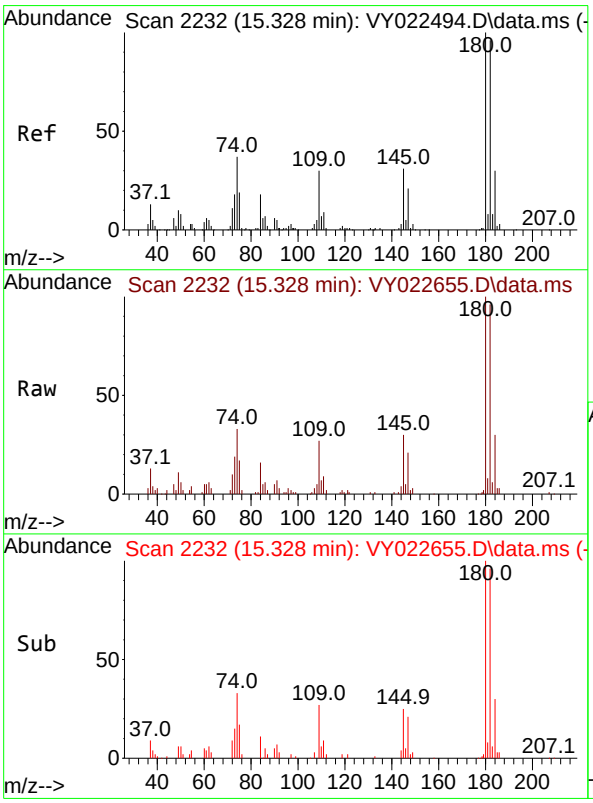
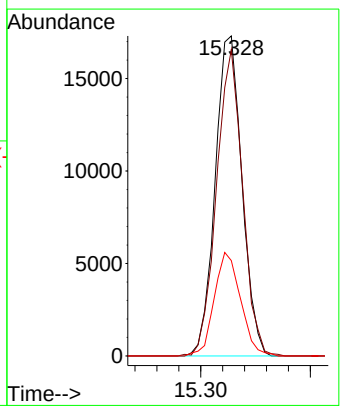


#96
1,2,3-Trichlorobenzene
Concen: 20.612 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:180 Resp: 29376

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.1	141.3
145	31.8	15.2	45.6



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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vy061125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022652.D	1,2,3-Trichloropropane	MMDadoda	6/12/2025 3:54:13 PM	Sam	6/12/2025 3:55:17 PM	Peak Integrated by Software
VSTDCCC050	VY022652.D	Ethyl Acetate	MMDadoda	6/12/2025 3:54:13 PM	Sam	6/12/2025 3:55:17 PM	Peak Integrated by Software
VY0611SBS01	VY022654.D	1,2,3-Trichloropropane	MMDadoda	6/12/2025 3:51:57 PM	Sam	6/12/2025 3:55:18 PM	Peak Integrated by Software
VY0611SBS01	VY022654.D	Ethyl Acetate	MMDadoda	6/12/2025 3:51:57 PM	Sam	6/12/2025 3:55:18 PM	Peak Integrated by Software
VY0611SBSD01	VY022655.D	1,2,3-Trichloropropane	MMDadoda	6/12/2025 3:51:59 PM	Sam	6/12/2025 3:55:20 PM	Peak Integrated by Software
VY0611SBSD01	VY022655.D	Ethyl Acetate	MMDadoda	6/12/2025 3:51:59 PM	Sam	6/12/2025 3:55:20 PM	Peak Integrated by Software
VY0611SBSD01	VY022655.D	Methyl methacrylate	MMDadoda	6/12/2025 3:51:59 PM	Sam	6/12/2025 3:55:20 PM	Peak Integrated by Software
VSTDCCC050	VY022664.D	1,2,3-Trichloropropane	MMDadoda	6/12/2025 3:52:00 PM	Sam	6/12/2025 3:55:22 PM	Peak Integrated by Software
VSTDCCC050	VY022664.D	Methacrylonitrile	MMDadoda	6/12/2025 3:52:00 PM	Sam	6/12/2025 3:55:22 PM	Peak Integrated by Software

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 # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY061125

Review By	Mahesh Dadoda	Review On	6/12/2025 3:52:04 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:23 PM				
SubDirectory	VY061125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134249
Initial Calibration Stds	
CCC	VP134250,VP134251
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	VY022651.D	11 Jun 2025 09:22	SY/MD	Ok
2	VSTDCCC050	VY022652.D	11 Jun 2025 09:59	SY/MD	Ok,M
3	VY0611SBL01	VY022653.D	11 Jun 2025 10:30	SY/MD	Ok
4	VY0611SBS01	VY022654.D	11 Jun 2025 11:01	SY/MD	Ok,M
5	VY0611SBSD01	VY022655.D	11 Jun 2025 11:23	SY/MD	Ok,M
6	Q2259-03	VY022656.D	11 Jun 2025 12:01	SY/MD	Ok
7	Q2259-01	VY022657.D	11 Jun 2025 12:24	SY/MD	Ok
8	Q2251-07	VY022658.D	11 Jun 2025 12:48	SY/MD	Ok
9	Q2280-01	VY022659.D	11 Jun 2025 13:11	SY/MD	Ok
10	Q2280-03	VY022660.D	11 Jun 2025 13:34	SY/MD	Ok
11	Q2283-01	VY022661.D	11 Jun 2025 13:58	SY/MD	Ok
12	Q2286-01	VY022662.D	11 Jun 2025 14:21	SY/MD	Dilution
13	VIBLK	VY022663.D	11 Jun 2025 14:45	SY/MD	Ok
14	VSTDCCC050	VY022664.D	11 Jun 2025 15:07	SY/MD	Ok,M

M : Manual Integration

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 # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B,Internal Standard Fail; Surrogate Fail	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		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 # VY061125

Review By	Mahesh Dadoda	Review On	6/12/2025 3:52:04 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:23 PM		
SubDirectory	VY061125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134249
Initial Calibration Stds	
CCC	VP134250,VP134251
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	VY022651.D	11 Jun 2025 09:22		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022652.D	11 Jun 2025 09:59		SY/MD	Ok,M
3	VY0611SBL01	VY0611SBL01	VY022653.D	11 Jun 2025 10:30		SY/MD	Ok
4	VY0611SBS01	VY0611SBS01	VY022654.D	11 Jun 2025 11:01		SY/MD	Ok,M
5	VY0611SBSD01	VY0611SBSD01	VY022655.D	11 Jun 2025 11:23		SY/MD	Ok,M
6	Q2259-03	OU4-PCS-TC-37-06052	VY022656.D	11 Jun 2025 12:01	vial-B	SY/MD	Ok
7	Q2259-01	OU4-PCS-TC-36-06052	VY022657.D	11 Jun 2025 12:24	vial-B Surrogate Fail	SY/MD	Ok
8	Q2251-07	BP-VPB-182-GW-780-7	VY022658.D	11 Jun 2025 12:48	vial-B	SY/MD	Ok
9	Q2280-01	VNJ-210	VY022659.D	11 Jun 2025 13:11	vial-B	SY/MD	Ok
10	Q2280-03	RT-4643	VY022660.D	11 Jun 2025 13:34	vial-B	SY/MD	Ok
11	Q2283-01	MOO-25-0166-MOO-25	VY022661.D	11 Jun 2025 13:58	vial-B	SY/MD	Ok
12	Q2286-01	LAW-25-0082-LAW-250	VY022662.D	11 Jun 2025 14:21	vial-A Internal Standard Fail; Need MEOH	SY/MD	Dilution
13	VIBLK	VIBLK	VY022663.D	11 Jun 2025 14:45		SY/MD	Ok
14	VSTDCCC050	VSTDCCC050EC	VY022664.D	11 Jun 2025 15:07		SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

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
Q2246-01	BU-03-060525	1	1.15	10.12	11.27	11.17	99.0	
Q2246-02	BU-03-060525	2	1.19	10.04	11.23	11.1	98.7	
Q2247-01	GAS-PIPE-1	3	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2247-02	GAS-PIPE-2	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2248-01	TR-05-060525	5	1.18	10.36	11.54	10.88	93.6	
Q2248-02	TR-05-060525-E2	6	1.13	10.59	11.72	10.74	90.7	
Q2251-07	BP-VPB-182-GW-780-782	7	1.12	10.70	11.82	2.46	12.5	sludge sample
Q2258-05	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2258-06	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2258-07	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2258-08	PCB-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2258-09	PCB-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2258-10	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2258-11	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2258-12	PEST-GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2258-13	PCB-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2258-14	PCB-GCP2-BLANK-SPIKE	17	1.00	1.00	2.00	2.00	100.0	
Q2259-01	OU4-PCS-TC-36-060525	18	1.14	10.79	11.93	11.31	94.3	
Q2259-03	OU4-PCS-TC-37-060525	19	1.14	10.14	11.28	10.7	94.3	
Q2259-05	OU4-TS-29-060525	20	1.18	10.17	11.35	8.87	75.6	
Q2259-06	OU4-TS-30-060525	21	1.14	10.73	11.87	9.62	79.0	
Q2260-01	TP10-MHG-WC	22	1.13	10.84	11.97	10.95	90.6	
Q2260-02	TP10-MHG-VOC	23	1.16	10.66	11.82	10.84	90.8	
Q2260-03	TP10-MHG-EPH	24	1.13	10.75	11.88	10.68	88.8	
Q2262-01	ARS20-0032	25	1.14	11.40	12.54	12.22	97.2	
Q2262-03	ARS20-0001	26	1.18	9.85	11.03	10.38	93.4	
Q2265-01	TP-MHL-WC	27	1.15	10.83	11.98	10.43	85.7	
Q2265-02	TP-MHL-VOC	28	1.14	10.32	11.46	9.7	82.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

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
Q2265-03	TP-MHL-EPH	29	1.18	10.48	11.66	9.77	82.0	
Q2266-01	WC-3	30	1.16	10.74	11.9	10.68	88.6	
Q2266-02	WC-3-EPH	31	1.15	11.18	12.33	10.15	80.5	
Q2266-03	WC-3-VOC	32	1.13	10.74	11.87	10.02	82.8	
Q2266-05	WC-4	33	1.19	10.47	11.66	10.36	87.6	
Q2266-06	WC-4-EPH	34	1.15	10.46	11.61	10.31	87.6	
Q2266-07	WC-4-VOC	35	1.19	10.71	11.9	10.74	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VP 136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2246-02	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2247-01	GAS-PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2247-02	GAS-PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2248-01	TR-05-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2248-02	TR-05-060525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2251-07	BP-VPB-182-GW-780-782	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	06/04/2025	Chemtech -SO
Q2258-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2259-01	OU4-PCS-TC-36-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-03	OU4-PCS-TC-37-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-05	OU4-TS-29-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-06	OU4-TS-30-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SH

Date/Time 06/06/25 17:30

Raw Sample Received by: [signature] SH

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2260-01	TP10-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-02	TP10-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-03	TP10-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2262-01	ARS20-0032	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2262-03	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2265-01	TP-MHL-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-02	TP-MHL-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-03	TP-MHL-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-01	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-02	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-03	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-05	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-06	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-07	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by: JB WC

Raw Sample Relinquished by: SM

Date/Time 06/06/25 17:30

Raw Sample Received by: SM

Raw Sample Relinquished by: JB (WC)

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Prep Standard - Chemical Standard Summary

Order ID : Q2259

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: vy061125,

Standard ID :
VP133175,VP133887,VP133888,VP133934,VP133953,VP133991,VP133995,VP134147,VP134149,VP134150,VP134249,VP134250,VP134251,

Chemical ID :
V13391,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14620,V14626,V14636,V14637,V14638,V14639,V14673,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14921,V14929,V14944,V14945,V14946,V14947,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133888	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP133887 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133991	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133995	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 5.62500ml of V14620 + 9.37500ml of VP133991 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	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
732	BFB TUNE CHECK - SOIL	VP134249	06/11/2025	06/12/2025	Amit Patel	None	None	Mahesh Dadoda 06/12/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP133953 = 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	VP134250	06/11/2025	06/12/2025	Amit Patel	None	None	Mahesh Dadoda 06/12/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 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	VP134251	06/11/2025	06/12/2025	Amit Patel	None	None	Mahesh Dadoda 06/12/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 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	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	10/25/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

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CHEMICAL RECEIPT LOG BOOK

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

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	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)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14945

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

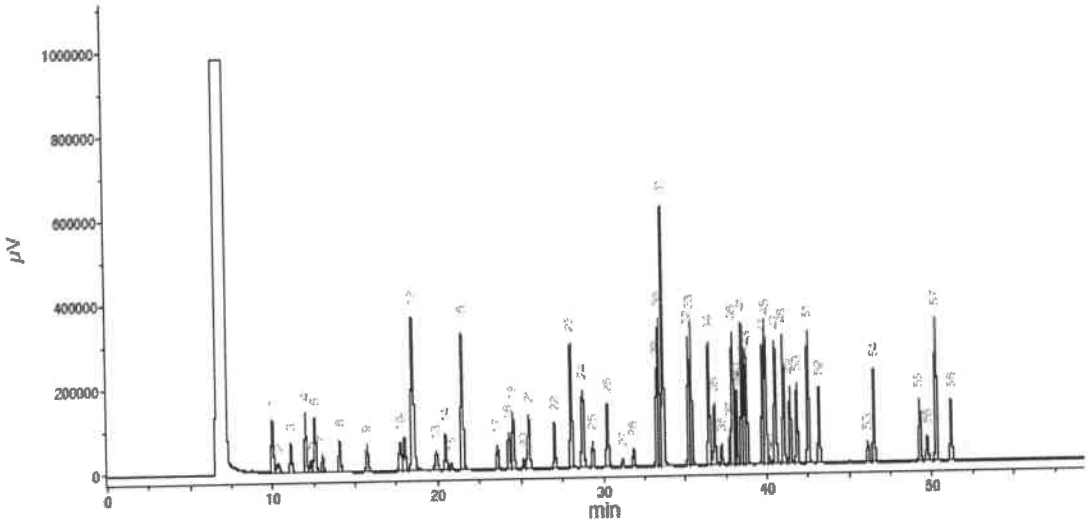
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
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.

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Hamden, CT 06518-0585

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FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
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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

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE
Reviewed By: Pedro L. Rentas 021624 DATE

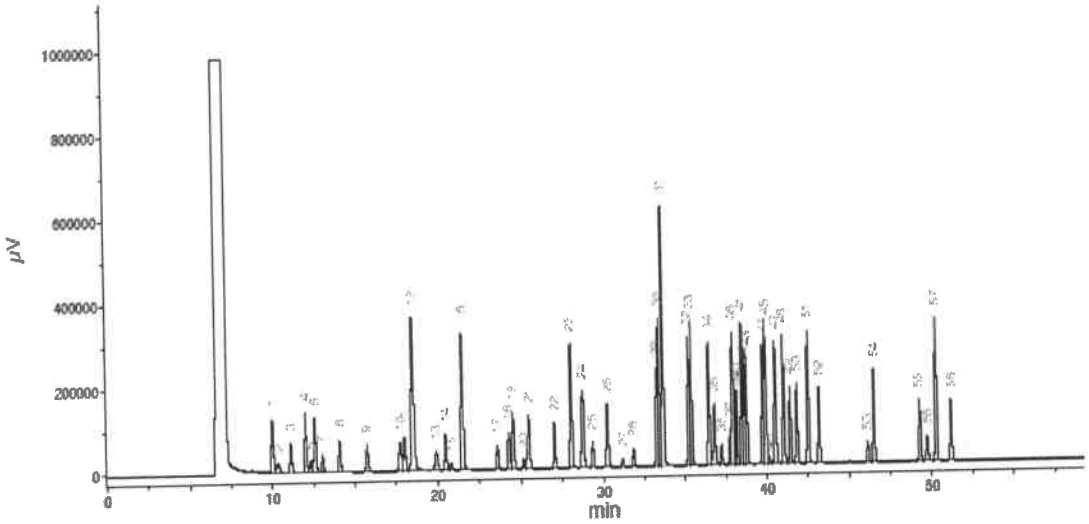
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	6.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
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	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
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

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AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

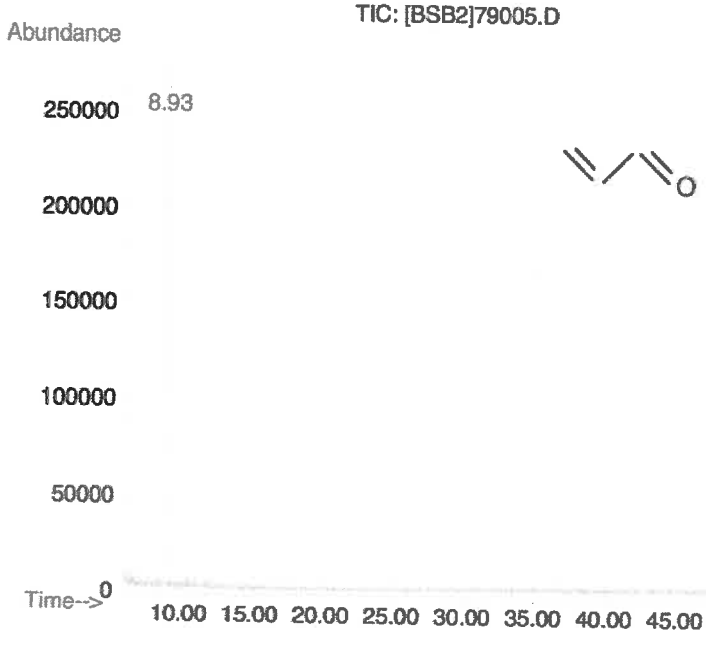
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

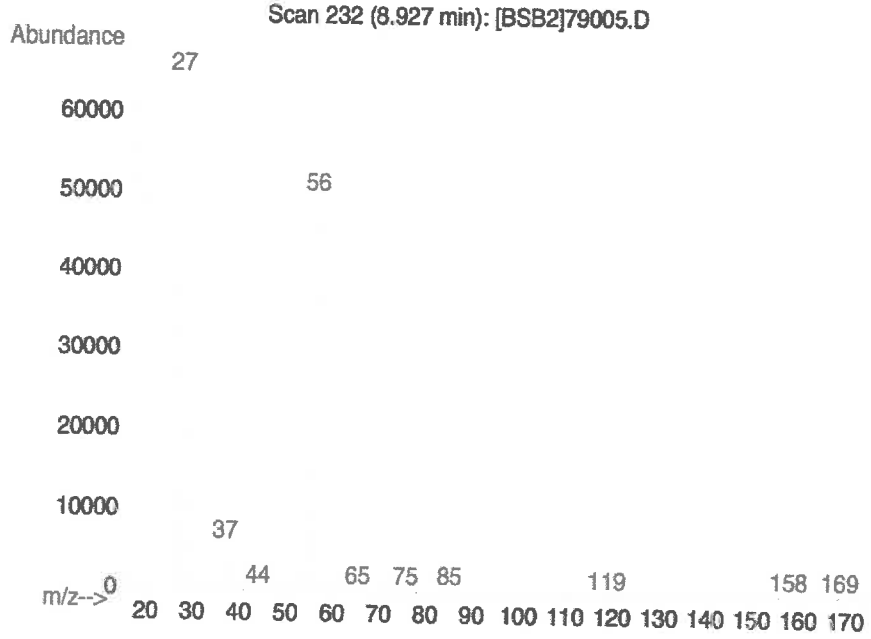
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- 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).

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Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

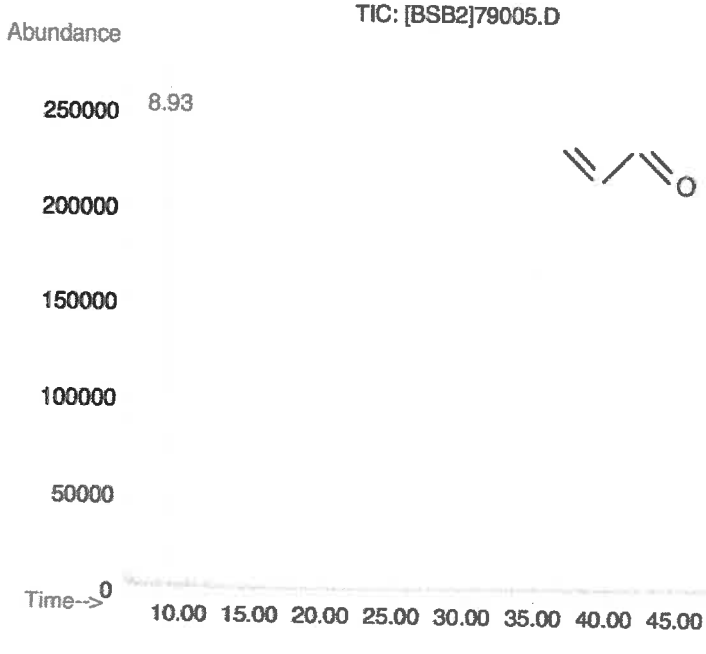
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

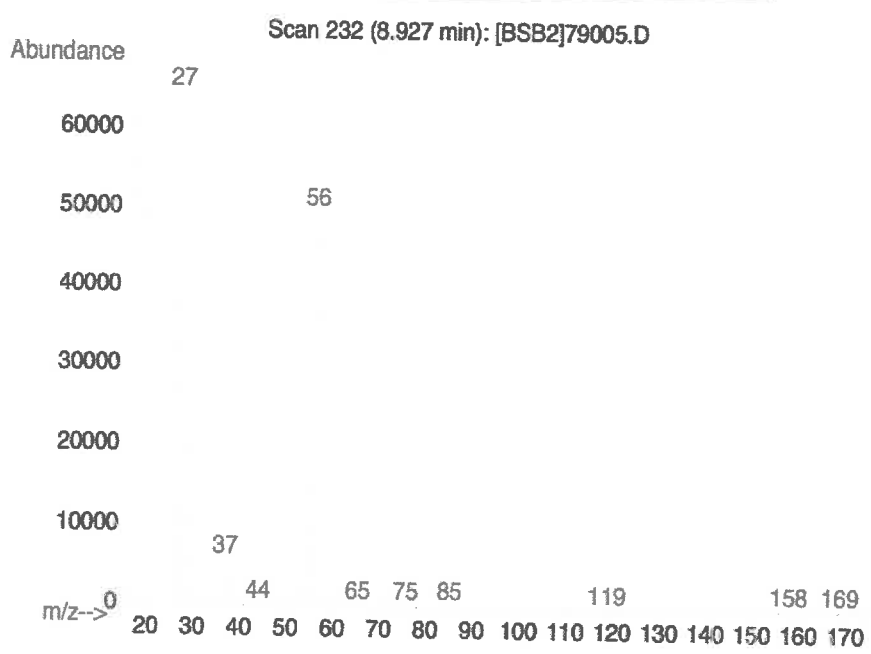
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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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

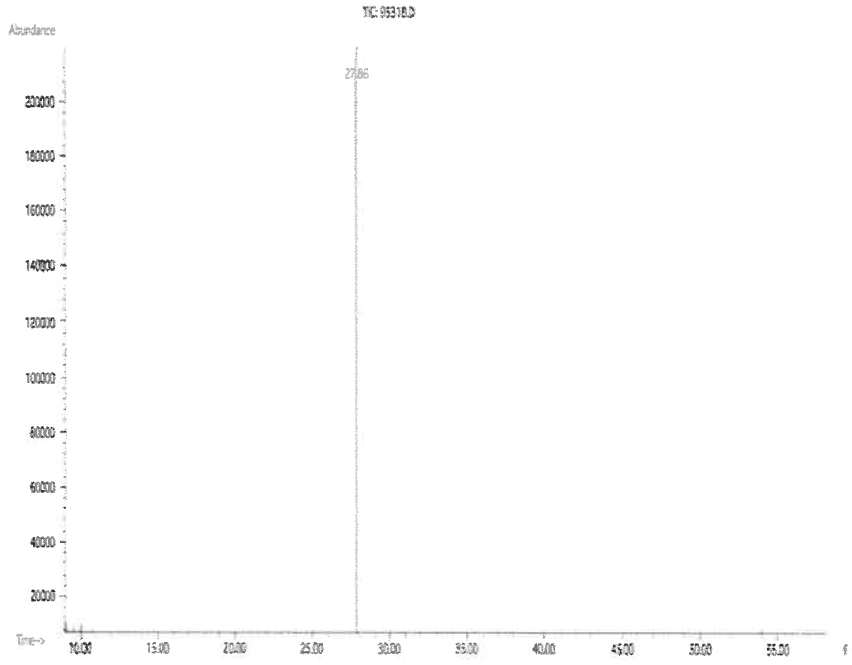
Solvent(s): Methanol **Lot#** EJ143-US

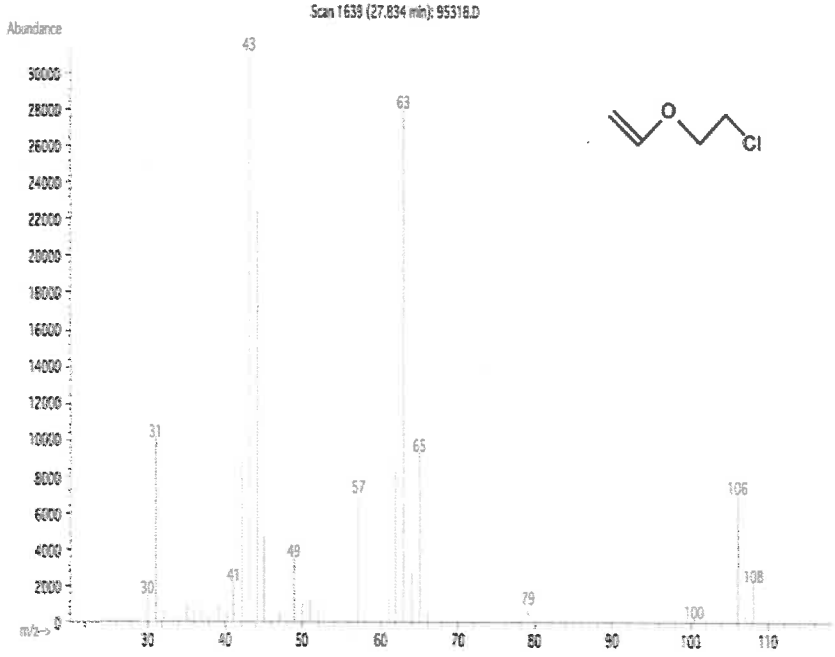
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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
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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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V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

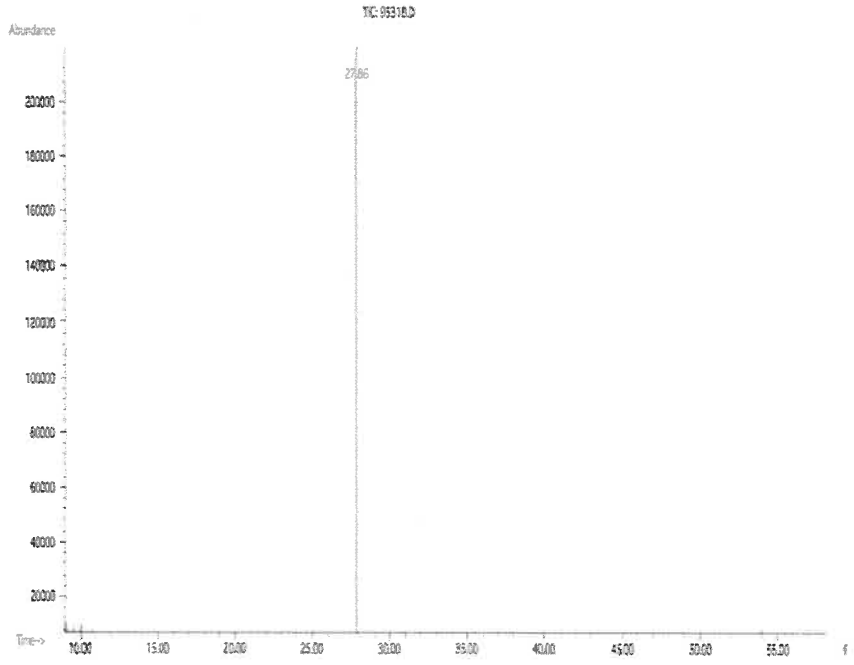
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

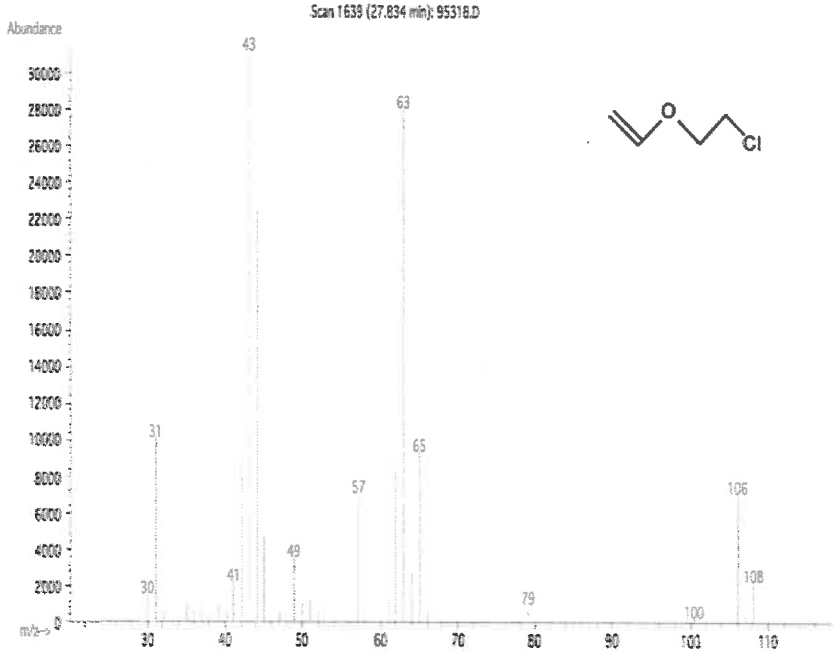
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Dec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

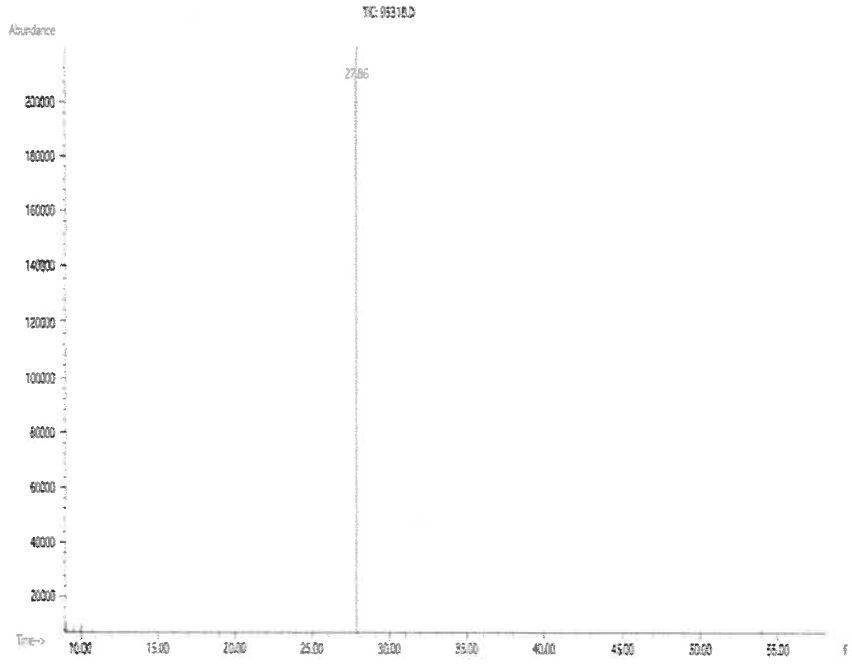
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

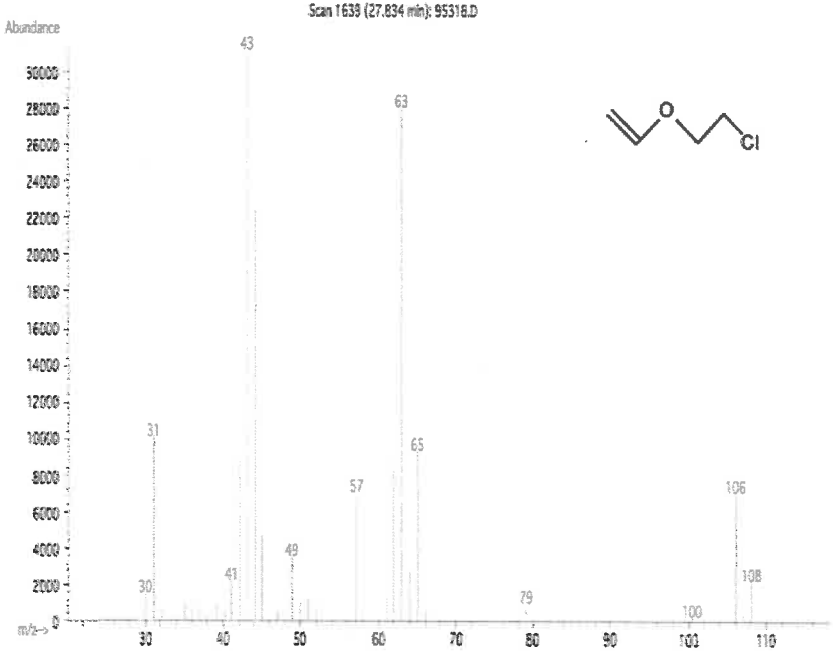
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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).
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- 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.
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Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
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Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

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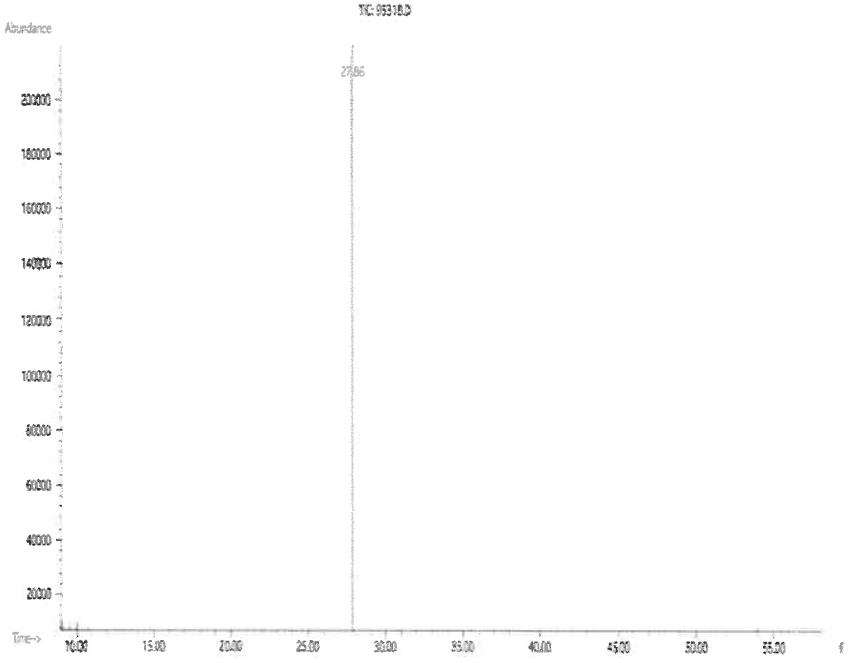

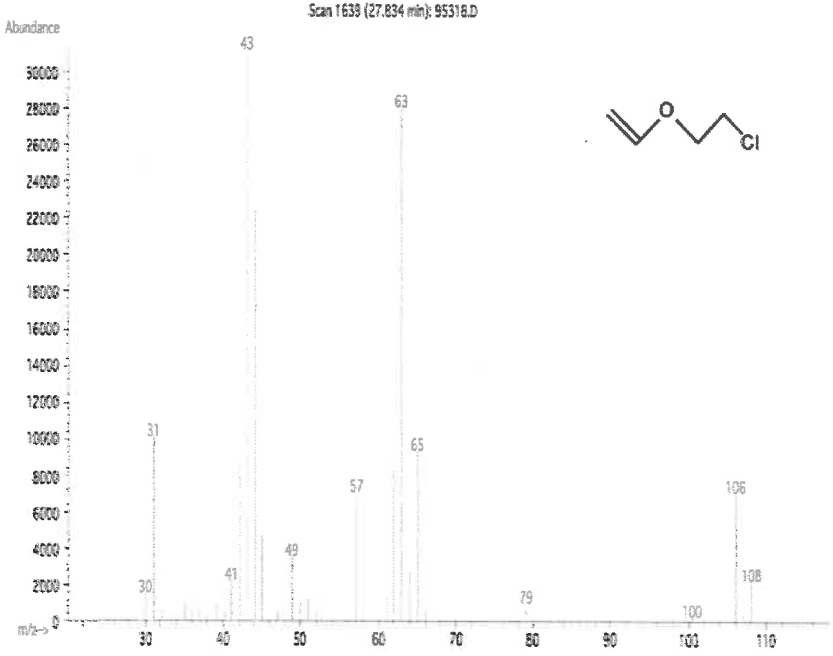

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.)

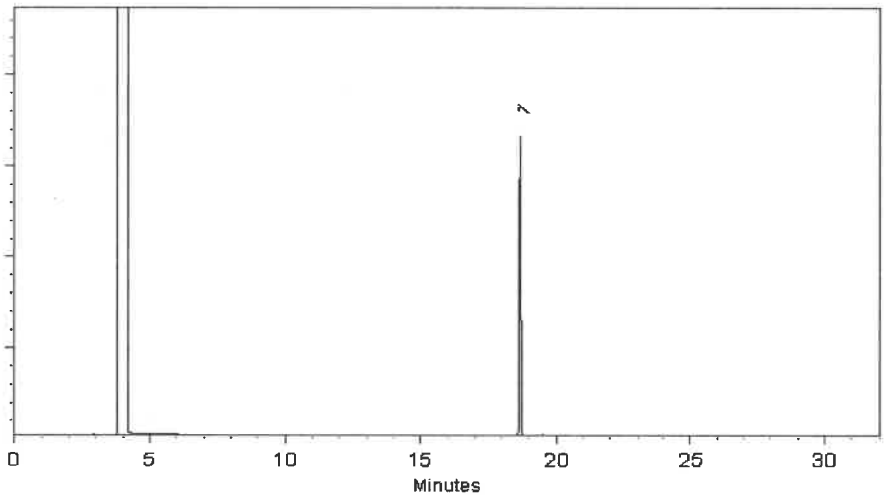
Inj. Temp:
200°C

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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Tel: 1-814-353-1300
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

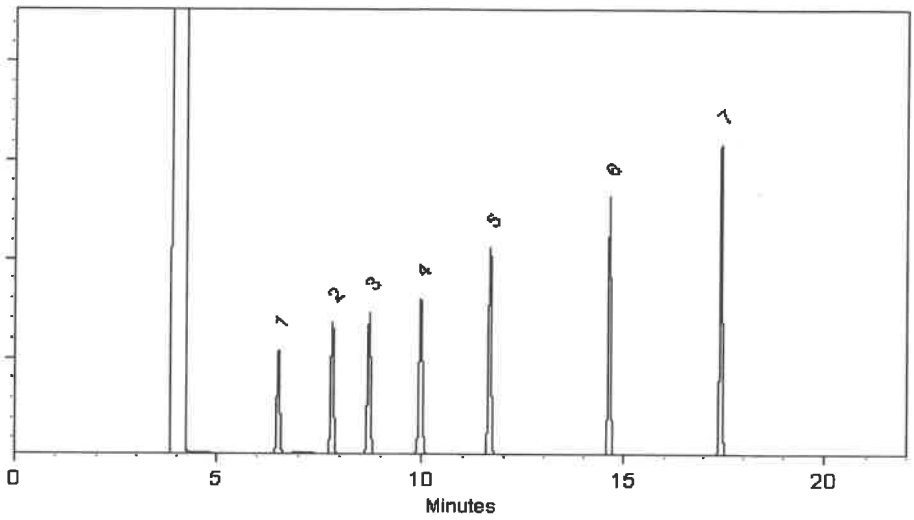
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

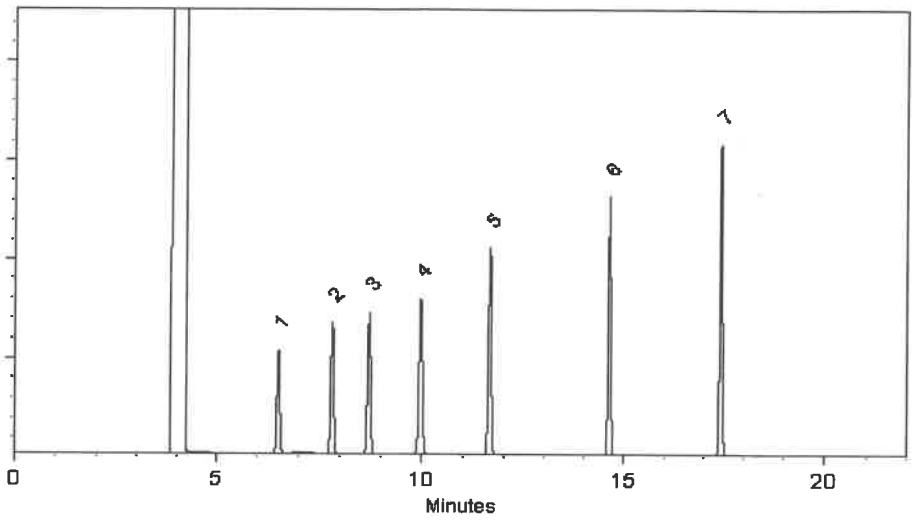
Inj. Temp:
200°C

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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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

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:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

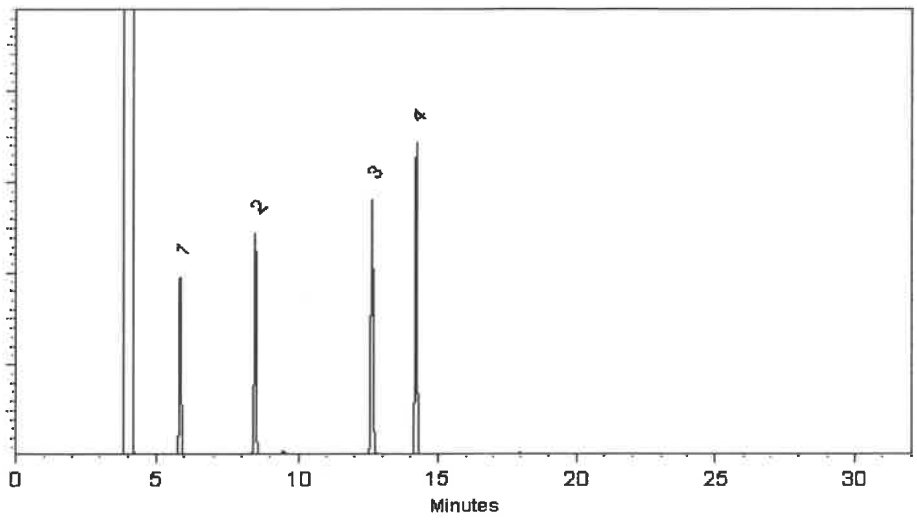
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

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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. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

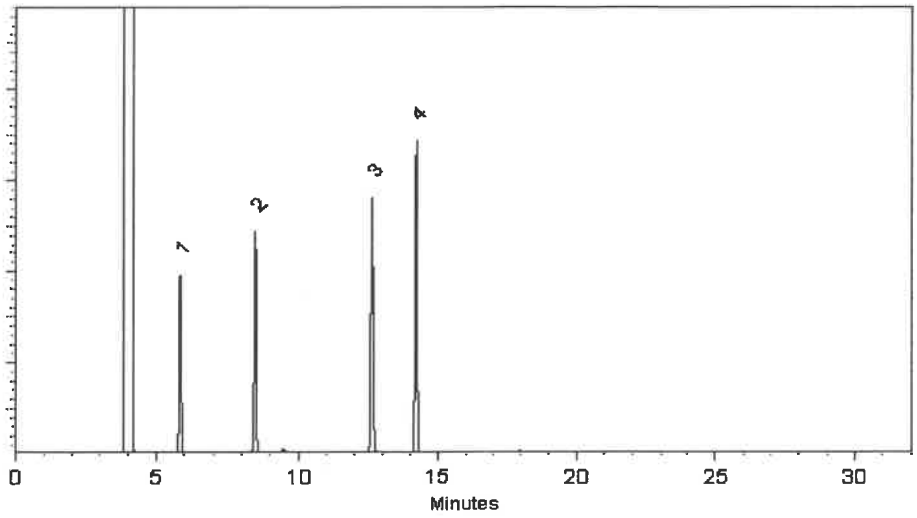
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

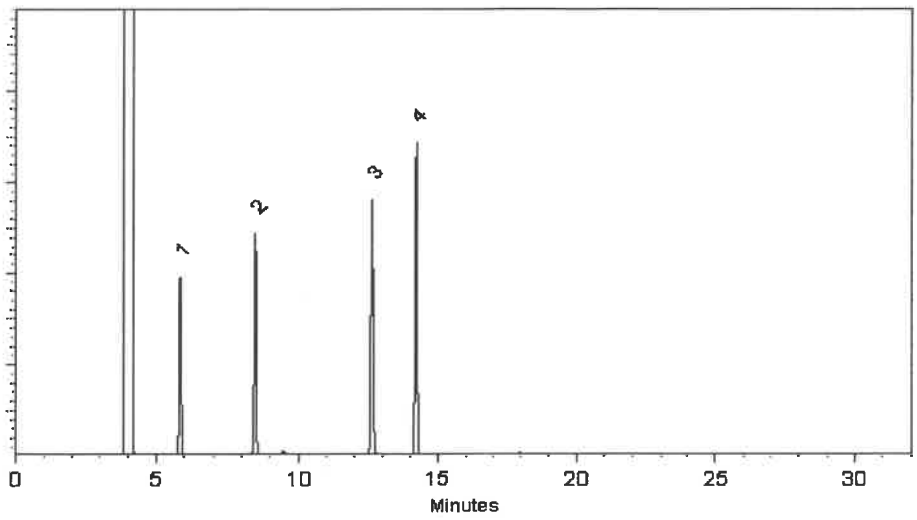
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

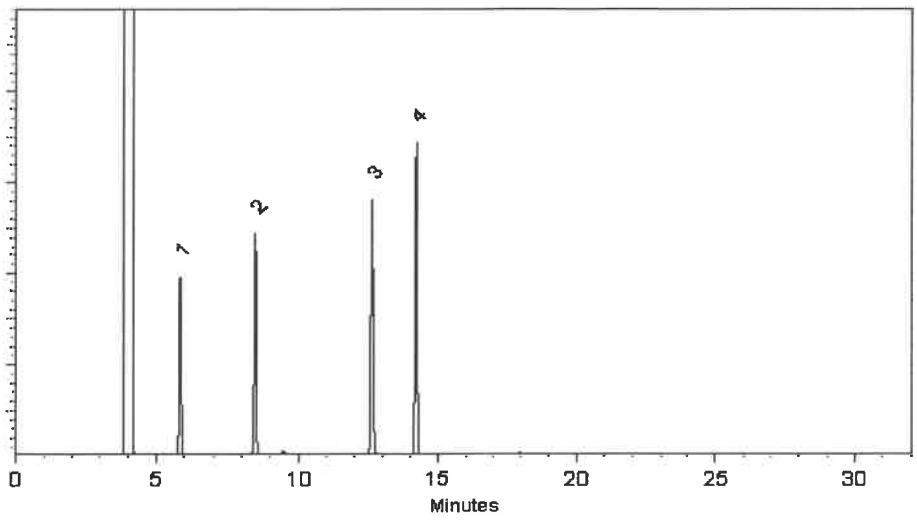
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Rec: 12/09/24

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V14667 to
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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. : 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.)

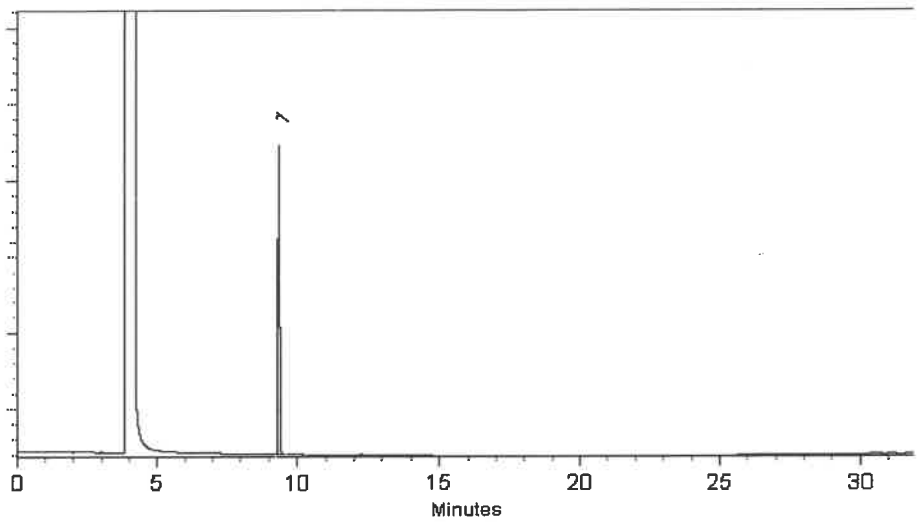
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

30 Vial

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V14727 to
V14756

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

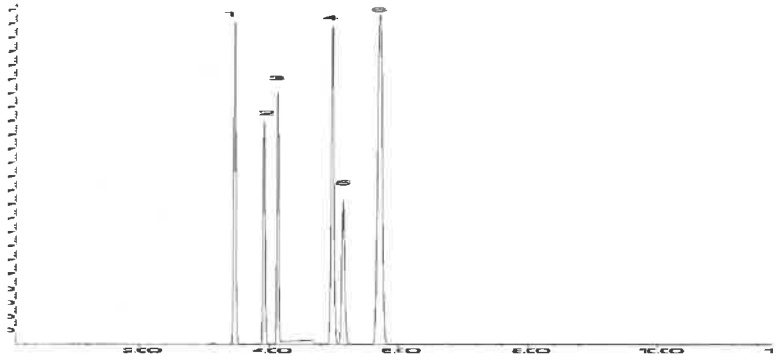
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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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
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

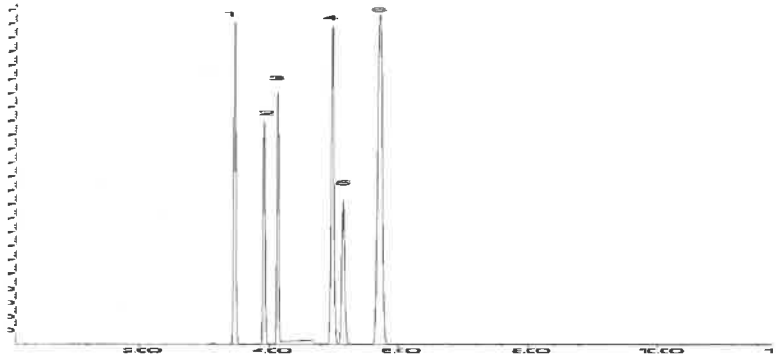
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic 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.)

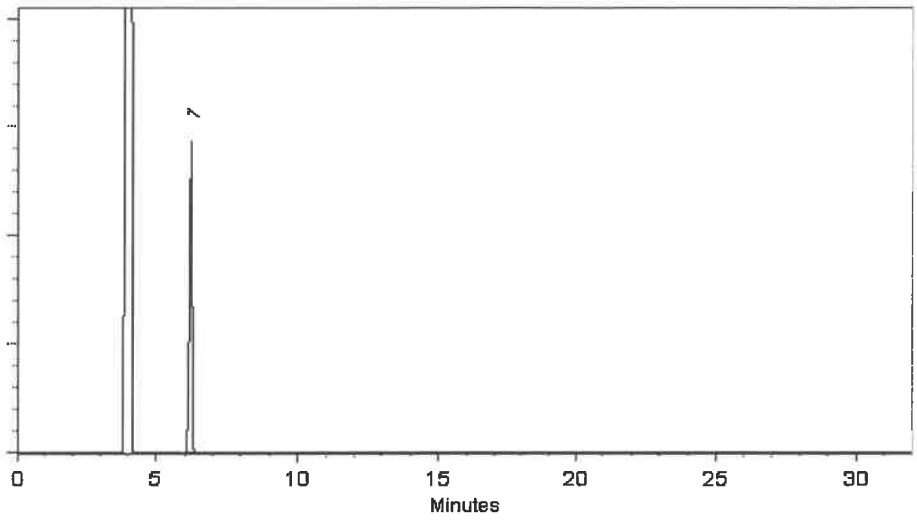
Inj. Temp:
200°C

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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ZOV Rec 01/08/21

RESTEK

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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

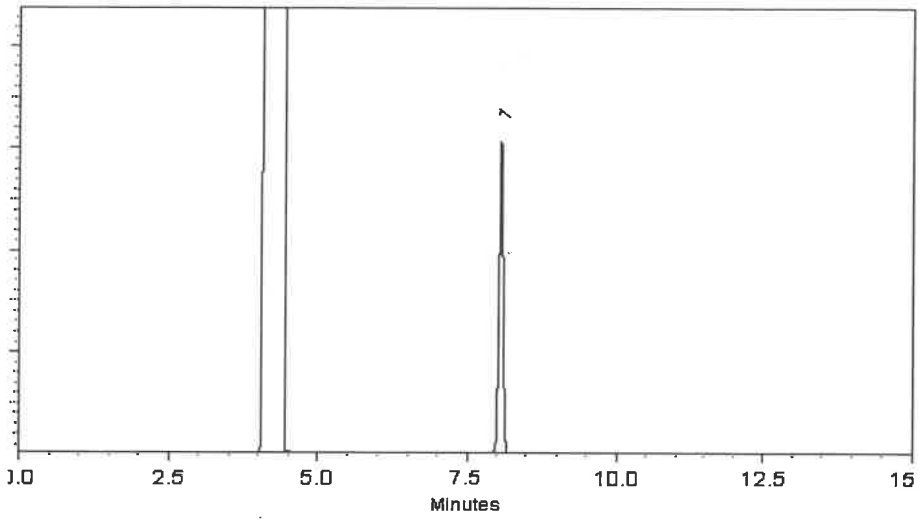
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Verify Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

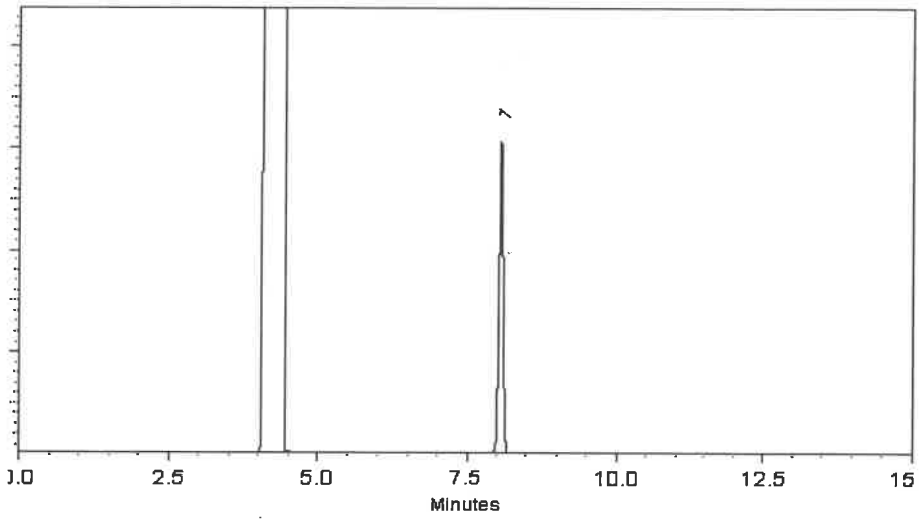
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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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.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

JClroak

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

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.019

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

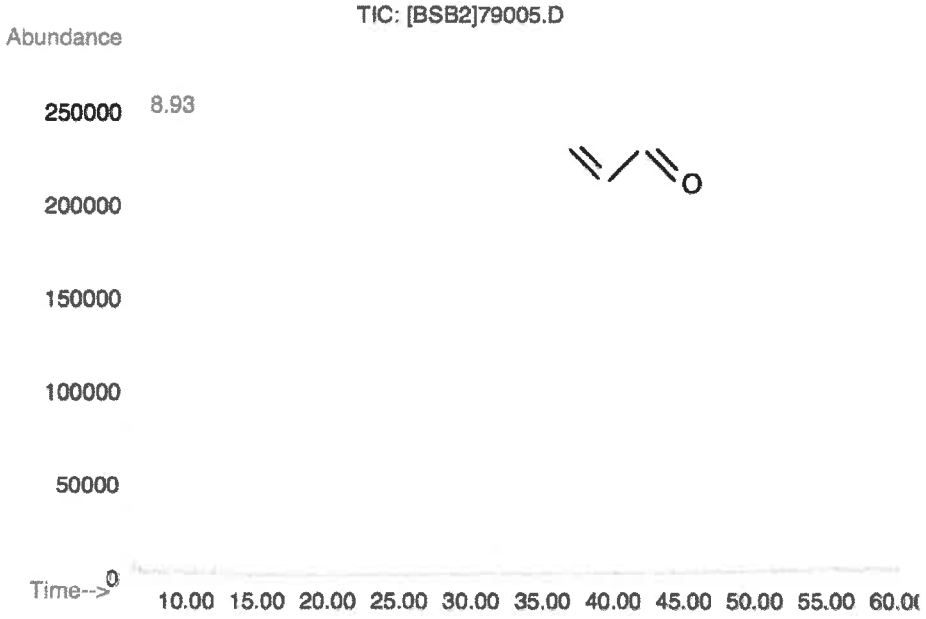
5E-05 Balance Uncertainty

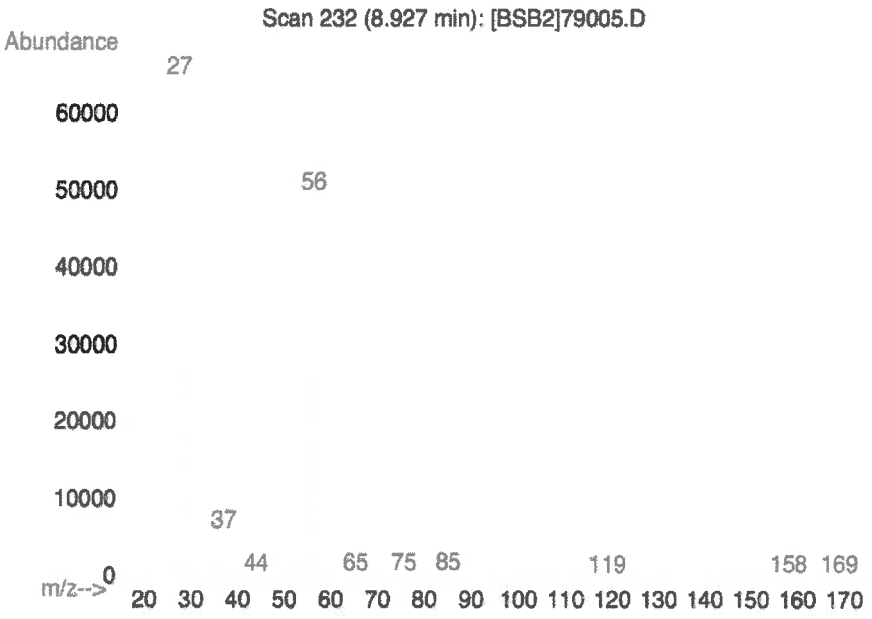
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By: Lawrence Barry	051925 DATE
Reviewed By: Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.0149

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

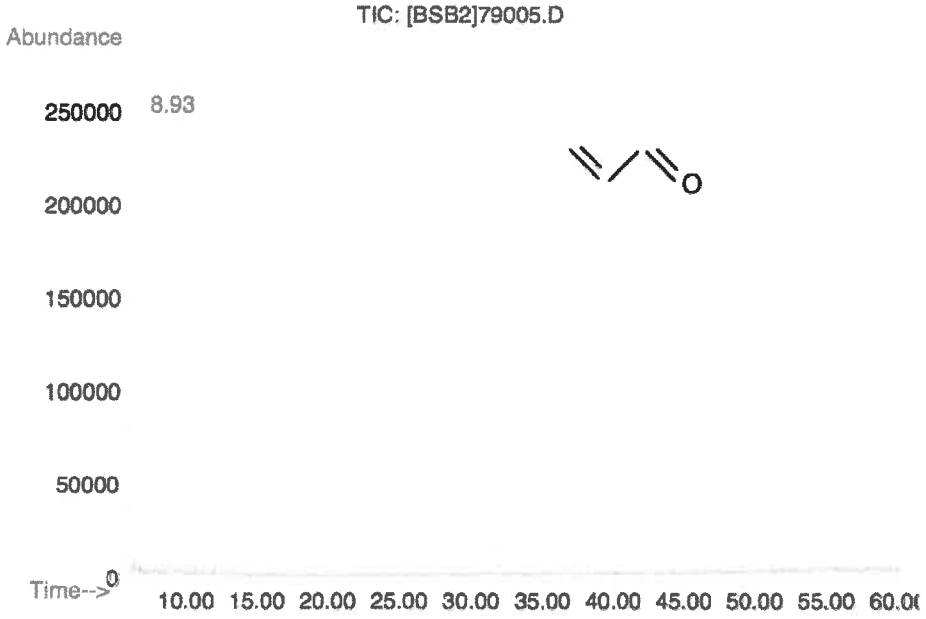
5E-05 Balance Uncertainty

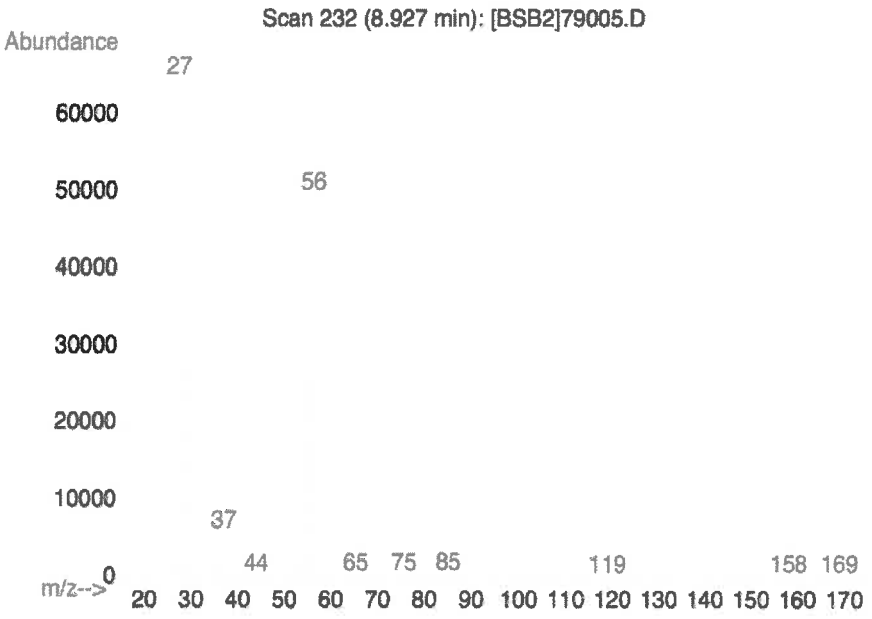
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994). Rev 1.0, 2/25/2025**

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.0149

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

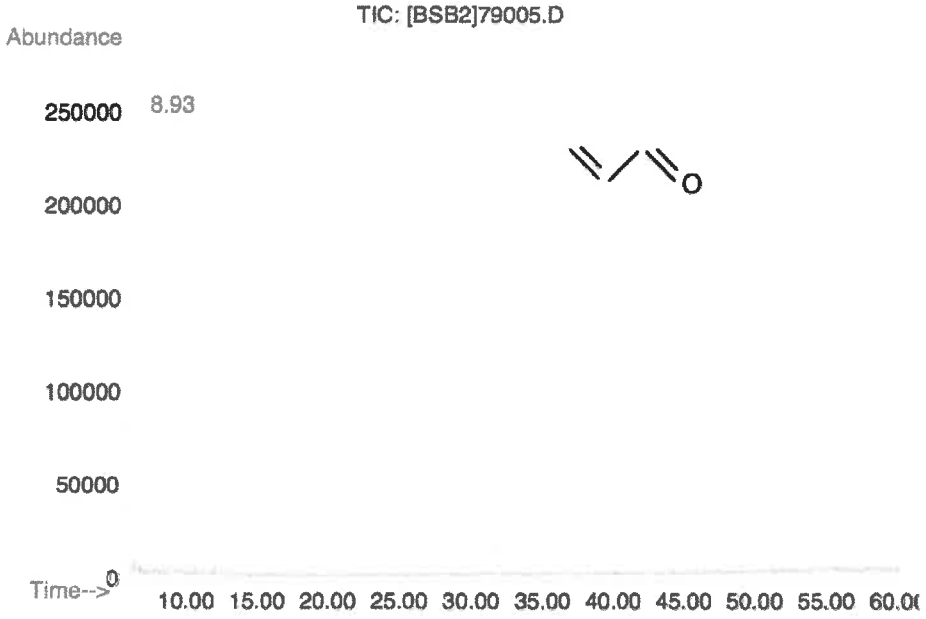
5E-05 Balance Uncertainty

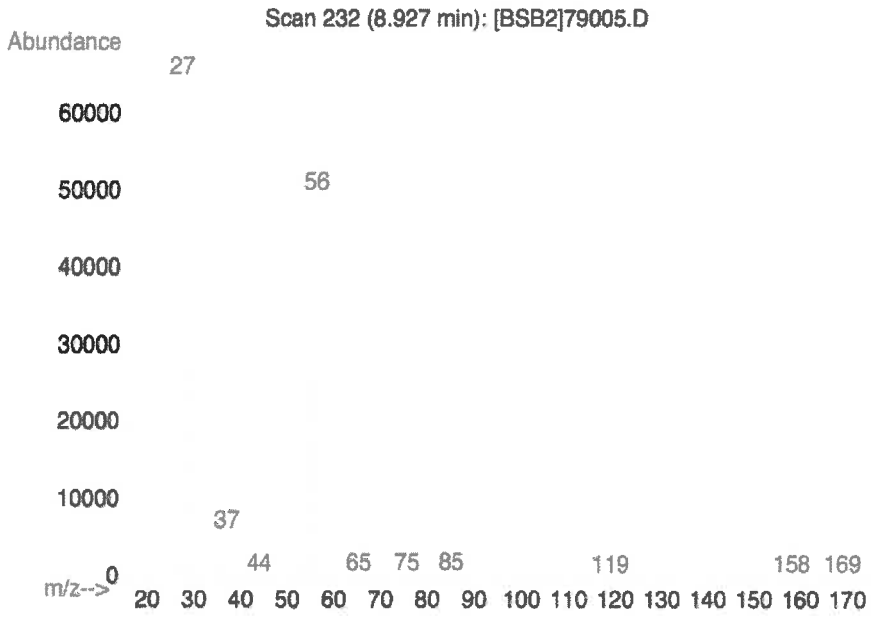
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994). Rev 1.0, 2/25/2025**

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.v19

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By: Lawrence Barry	051925 DATE
Reviewed By: Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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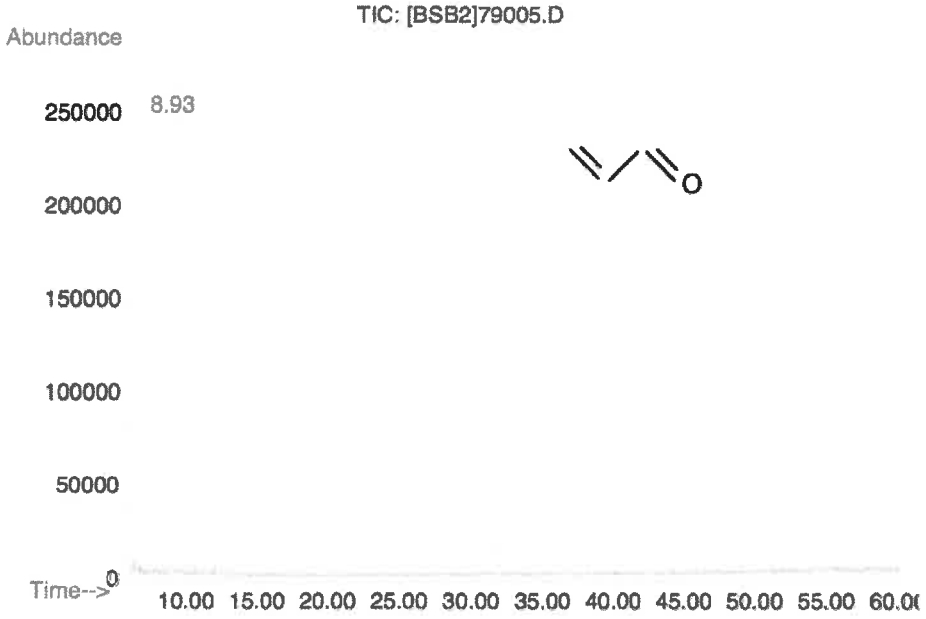
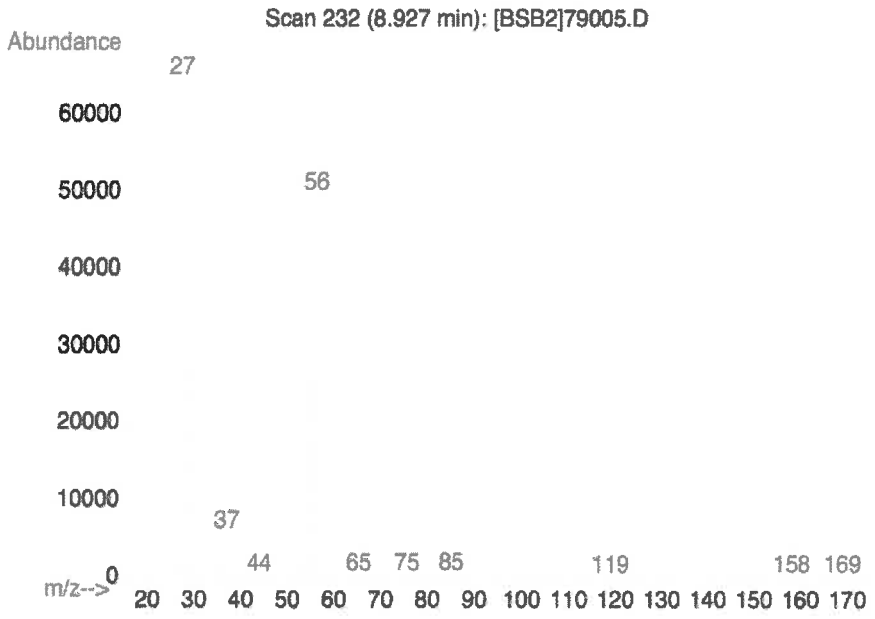
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
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  Rev 1.0, 2/25/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
Data File : VY022647.D
Acq On : 10 Jun 2025 13:56
Operator : SY/MD
Sample : Q2259-01
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Time: Jun 11 01:51:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

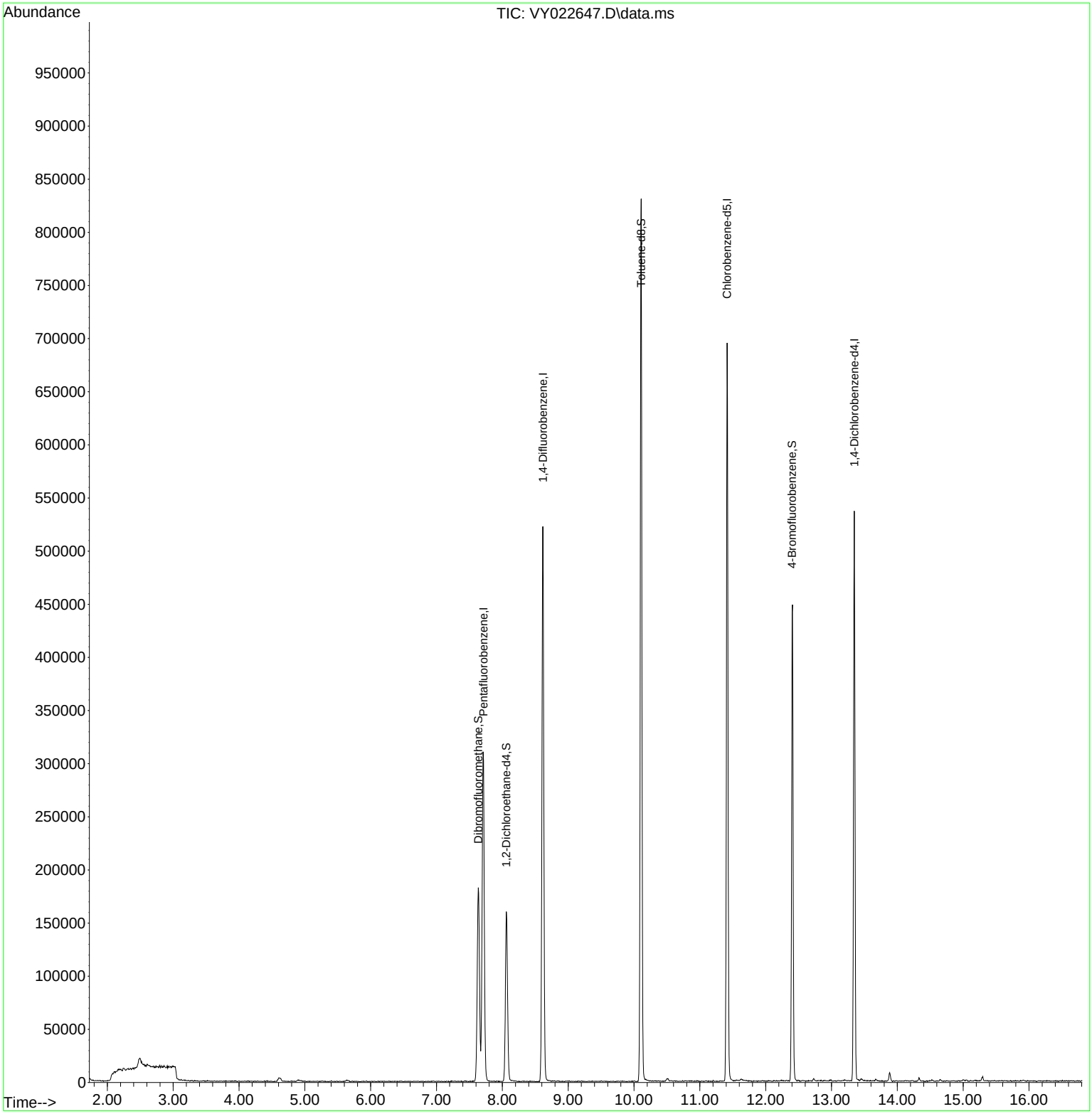
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	226891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	430118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124313	48.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.980%			
35) Dibromofluoromethane	7.634	113	125182	48.760	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.520%			
50) Toluene-d8	10.109	98	511879	49.345	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.680%			
62) 4-Bromofluorobenzene	12.402	95	121940	39.453	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.900%			
Target Compounds						Qvalue

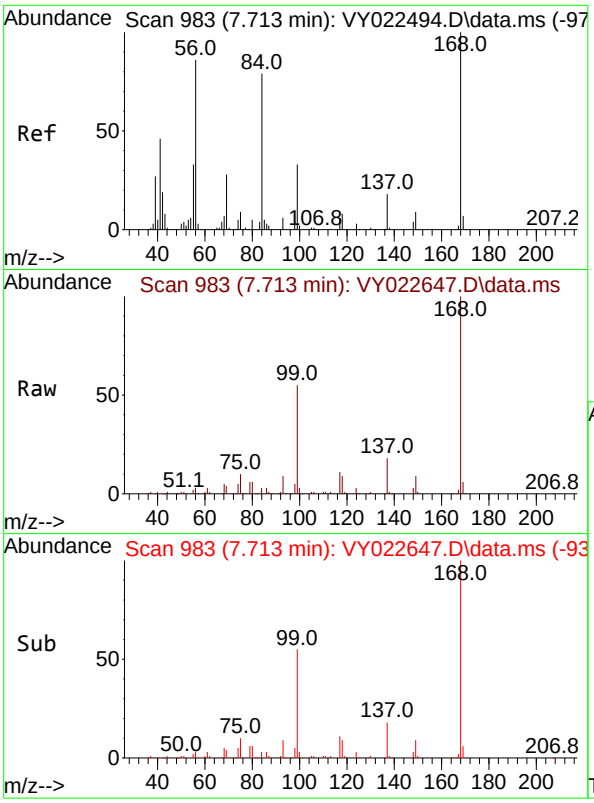
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
Data File : VY022647.D
Acq On : 10 Jun 2025 13:56
Operator : SY/MD
Sample : Q2259-01
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Time: Jun 11 01:51:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



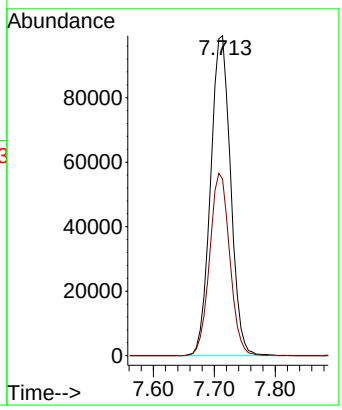


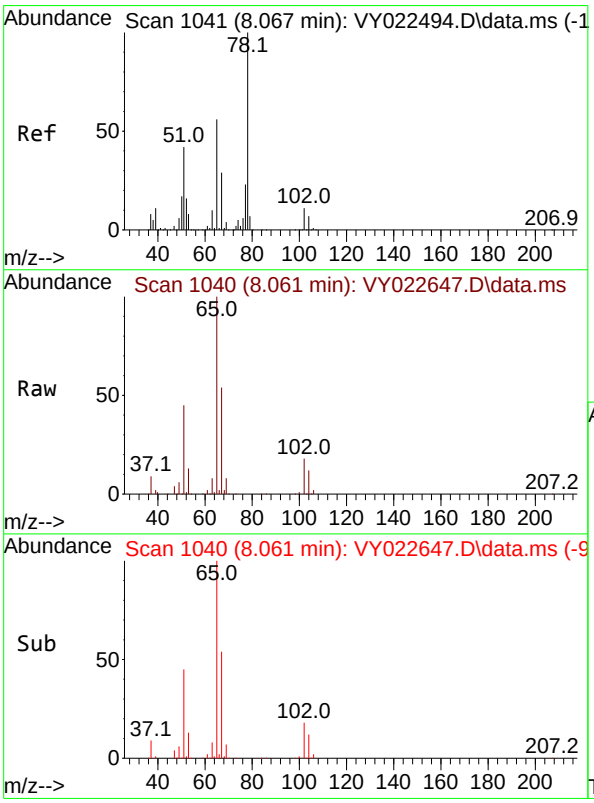
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:168 Resp: 226891

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.3	66.5

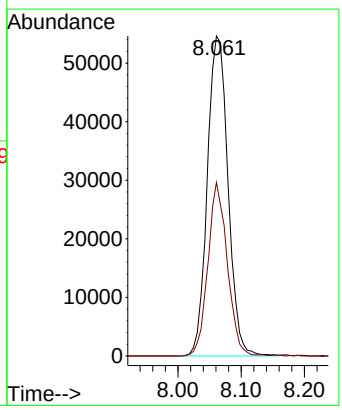


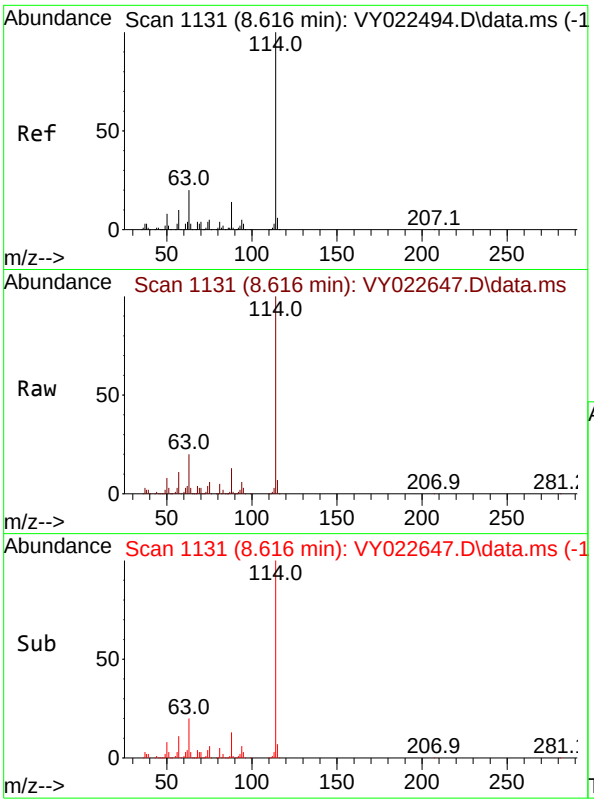


#33
1,2-Dichloroethane-d4
Concen: 48.987 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion: 65 Resp: 124313

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.4



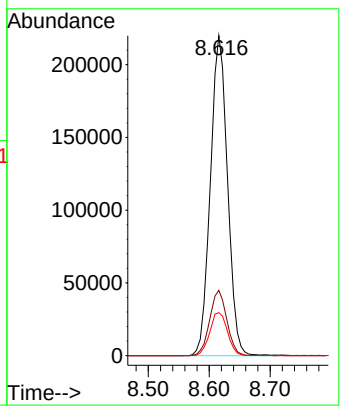


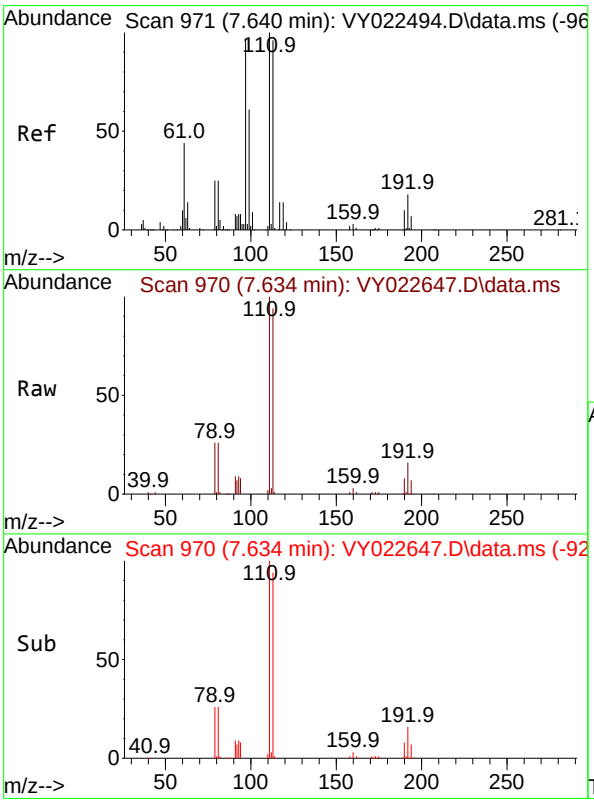
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:114 Resp: 430118

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.4	0.0	27.8

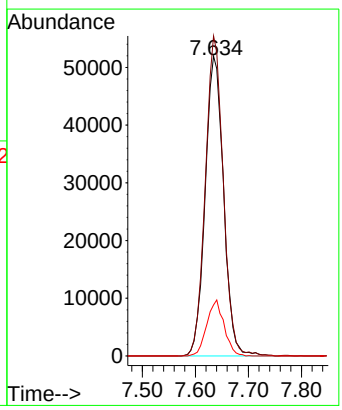


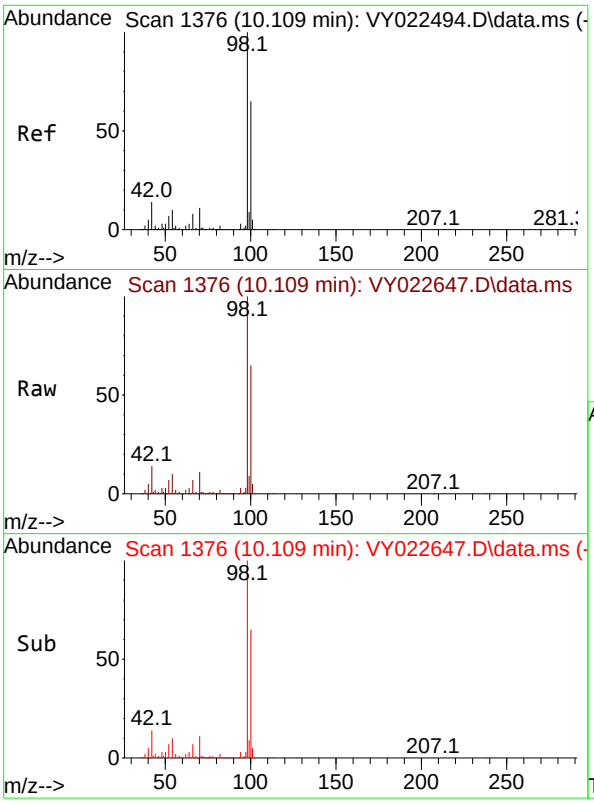


#35
Dibromofluoromethane
Concen: 48.760 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion:113 Resp: 125182

Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.1	121.7
192	17.6	14.2	21.2



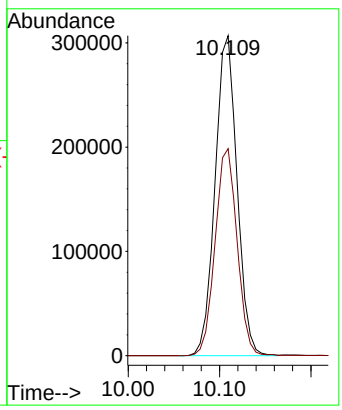


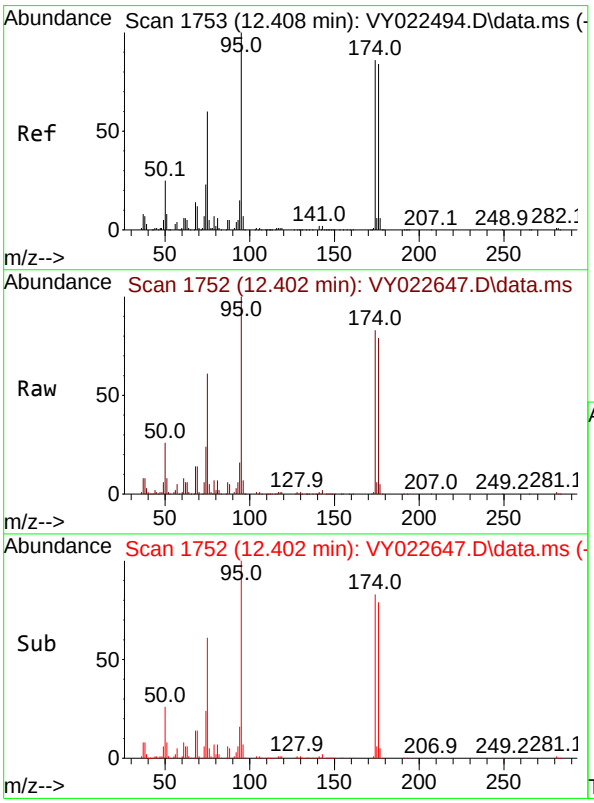
#50
Toluene-d8
Concen: 49.345 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion: 98 Resp: 511879

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0

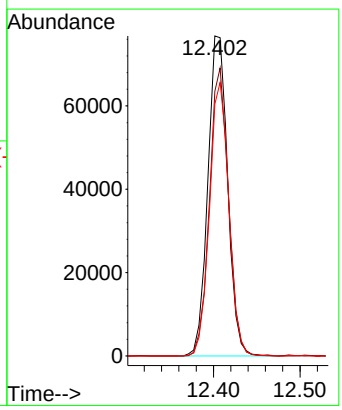


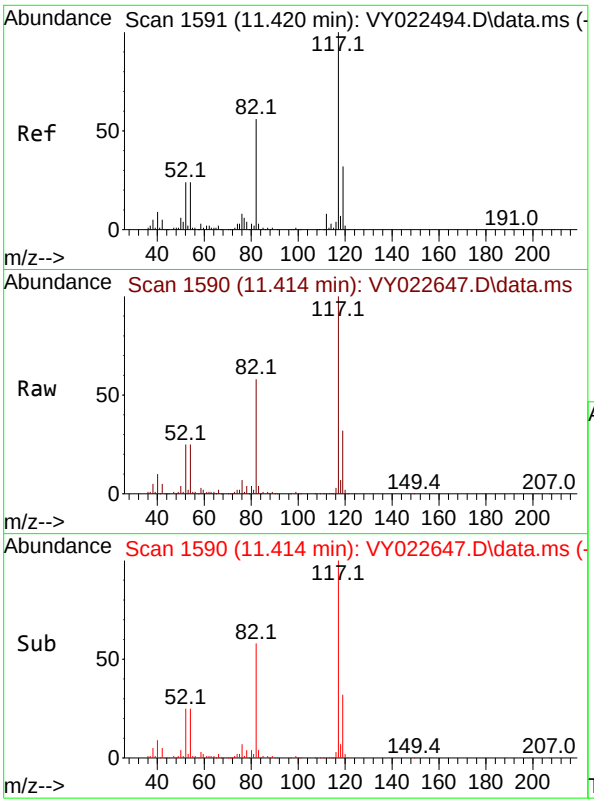


#62
4-Bromofluorobenzene
Concen: 39.453 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion: 95 Resp: 121940

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	170.0
176	83.6	0.0	166.2



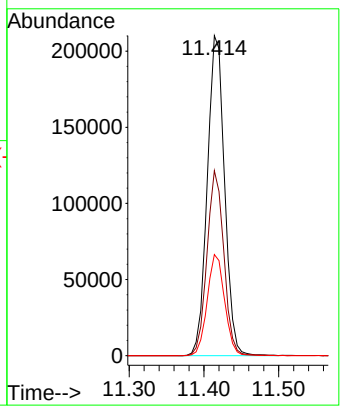


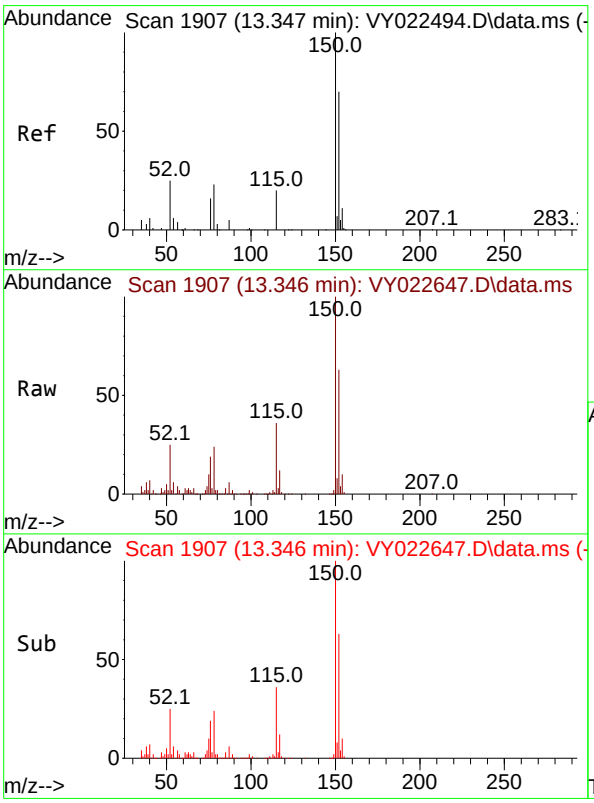
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:117 Resp: 337782

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.6	25.4	38.0

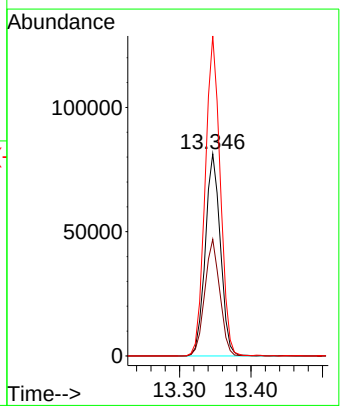




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion:152 Resp: 119411

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	157.6	0.0	349.6



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	Q2259-01	37.08-32.58=4.5	13:01	37.44-32.74=4.7	13:02	35.24-29.87=5.37	13:03	V14143	06/06/2025	8260 TERRACORE SAMPLES
2	Q2259-03	38.49-32.76=5.73	13:47	37.68-32.78=4.9	13:48	34.83-29.85=4.98	13:49	V14143	06/06/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Q2259

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-36-060525	6/5/25	11:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-37-060525	6/5/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-29-060525	6/5/25	13:30	G	SO			1											X		
	OU4-TS-30-060525	6/5/25	13:35	G	SO			1											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: 6/5/25 13:45	Client Comments:
Received by: (signature) Cooler	Date/Time: 6/5/25 13:45	
Relinquished by: (signature) FedEx	Date/Time: 6/6/25 1004	
Received by: (signature)	Date/Time: 6/6/25 1004	
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: 3.4°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2259 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 6/6/2025 10:57:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 6/6/2025 10:04:00 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
Q2259-01	OU4-PCS-TC-36-060525	Solid	06/05/2025	11:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q2259-03	OU4-PCS-TC-37-060525	Solid	06/05/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 6/6/25 1136

Received By : Jay
Date / Time : 06/06/25 11:36

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	5662	3.822	ug/l #	86
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394 ug/l #	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198 ug/l	99
43) Isopropyl Acetate	8.207	43	13330	4.117 ug/l	95
44) Trichloroethene	8.872	130	10404	4.292 ug/l	79
45) 1,2-Dichloropropane	9.146	63	9678	4.091 ug/l	100
46) Dibromomethane	9.244	93	5596	4.223 ug/l	95
47) Bromodichloromethane	9.433	83	13448	3.999 ug/l	96
48) Methyl methacrylate	9.225	41	6483	4.374 ug/l	91
49) 1,4-Dioxane	9.231	88	574	36.306 ug/l #	1
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273 ug/l	98
52) Toluene	10.170	92	25893	4.150 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982 ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103 ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385 ug/l	98
56) Ethyl methacrylate	10.445	69	9092	3.751 ug/l	94
57) 1,3-Dichloropropane	10.719	76	12648	4.255 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409 ug/l	97
59) 2-Hexanone	10.768	43	21243	19.832 ug/l	94
60) Dibromochloromethane	10.914	129	8781	4.152 ug/l	94
61) 1,2-Dibromoethane	11.018	107	6146	3.991 ug/l	100
64) Tetrachloroethene	10.652	164	10863	4.417 ug/l	95
65) Chlorobenzene	11.444	112	27467	4.377 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959 ug/l	94
67) Ethyl Benzene	11.524	91	47883	4.098 ug/l	96
68) m/p-Xylenes	11.627	106	35645	8.060 ug/l	99
69) o-Xylene	11.956	106	16866	4.075 ug/l	95
70) Styrene	11.975	104	26313	3.840 ug/l	99
71) Bromoform	12.133	173	4649	4.159 ug/l #	97
73) Isopropylbenzene	12.255	105	44350	4.307 ug/l	100
74) N-amyl acetate	12.072	43	9632	3.699 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359 ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	9988	5.920 ug/l #	100
77) Bromobenzene	12.536	156	9241	4.234 ug/l	95
78) n-propylbenzene	12.597	91	56543	4.511 ug/l	98
79) 2-Chlorotoluene	12.682	91	30387	4.591 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411 ug/l	96
82) 4-Chlorotoluene	12.780	91	30501	4.447 ug/l	99
83) tert-Butylbenzene	12.999	119	31232	4.252 ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314 ug/l	100
85) sec-Butylbenzene	13.176	105	49546	4.449 ug/l	99
86) p-Isopropyltoluene	13.292	119	38822	4.240 ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431 ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529 ug/l	91
89) n-Butylbenzene	13.615	91	37774	4.333 ug/l	100
90) Hexachloroethane	13.883	117	8072	4.506 ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754 ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159 ug/l	95
94) Hexachlorobutadiene	15.023	225	5627	5.024 ug/l	98
95) Naphthalene	15.145	128	15167	3.859 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

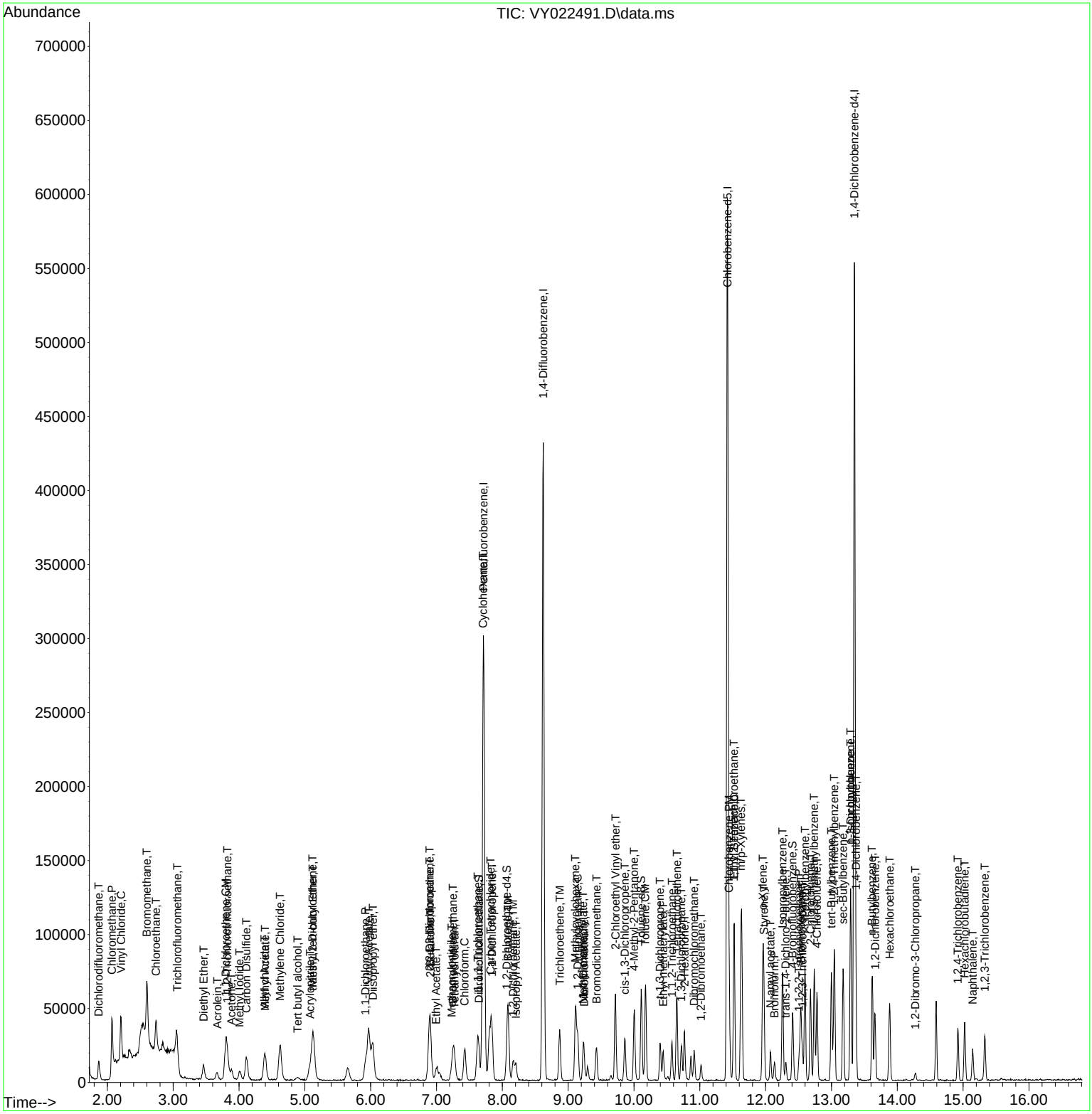
(#) = qualifier out of range (m) = manual integration (+) = signals summed

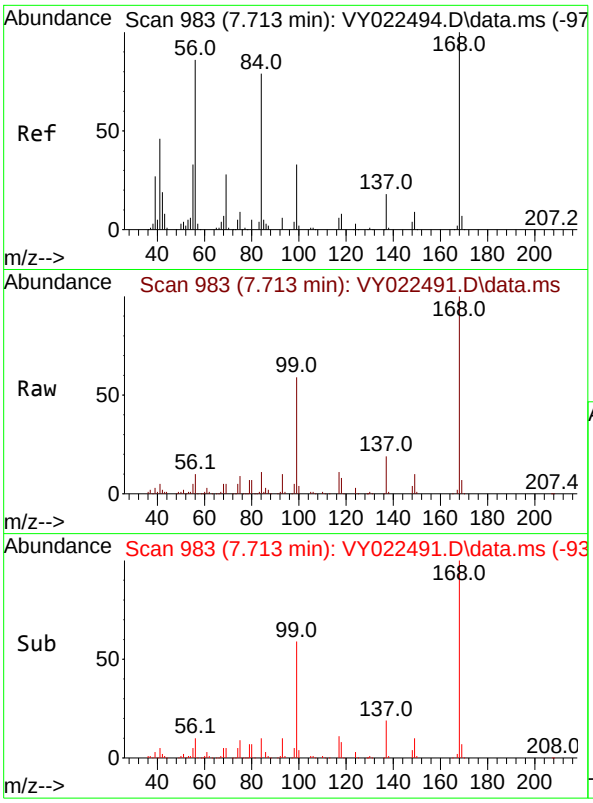
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



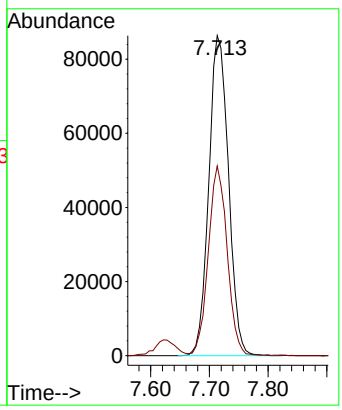


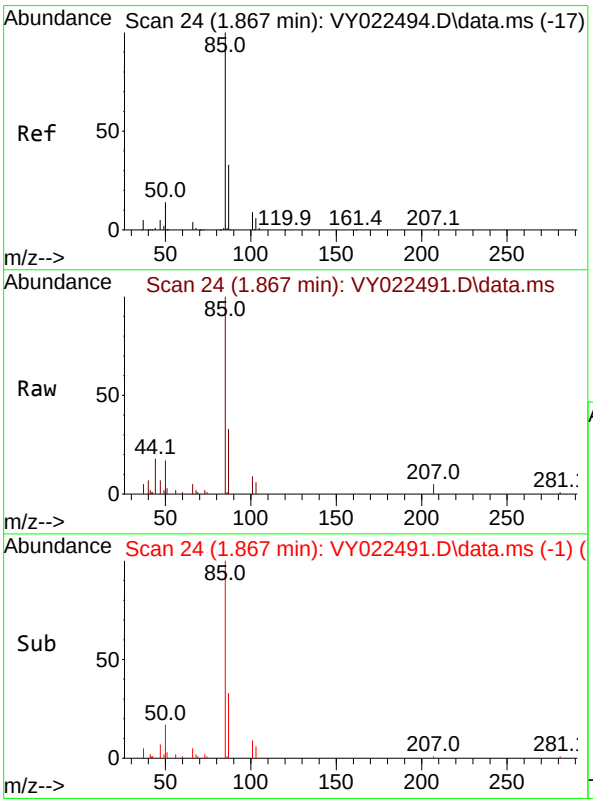
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 201089

Ion	Ratio	Lower	Upper
168	100		
99	59.3	44.3	66.5

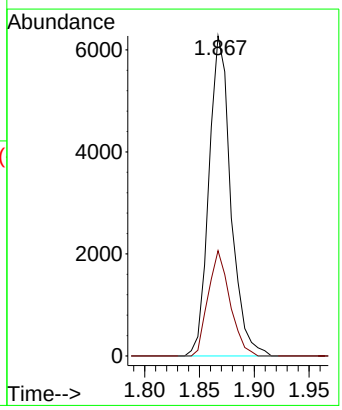


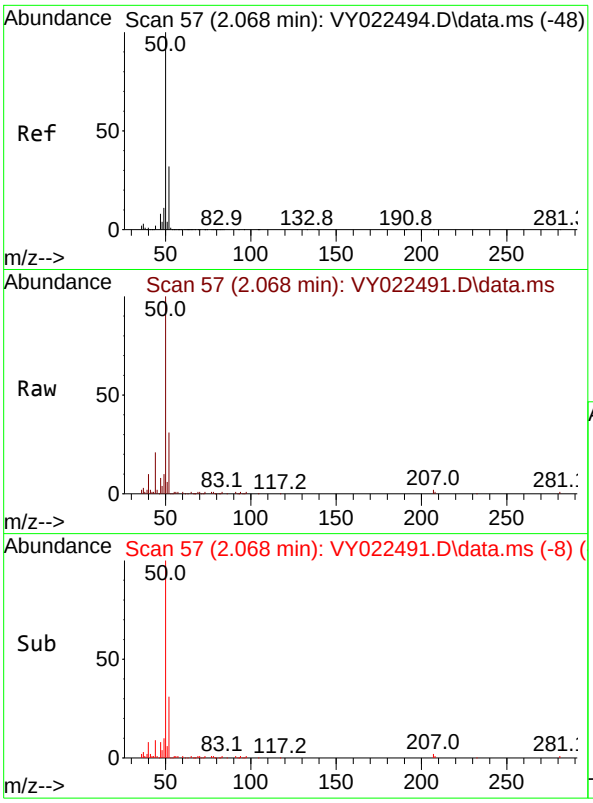


#2
Dichlorodifluoromethane
Concen: 4.961 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 85 Resp: 8717

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.0



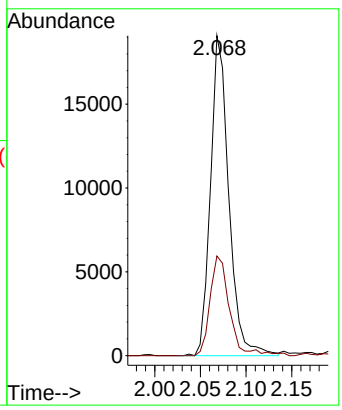


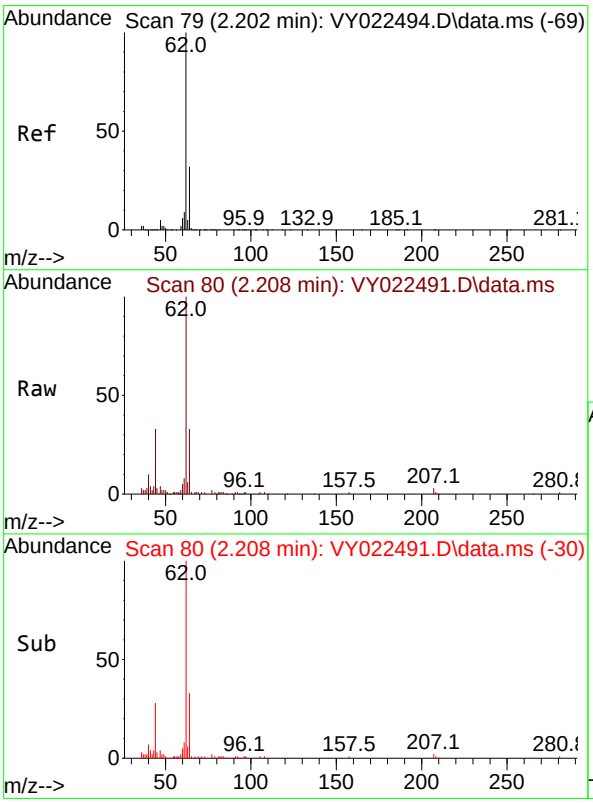
#3
Chloromethane
Concen: 5.119 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 26535

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.0	39.0

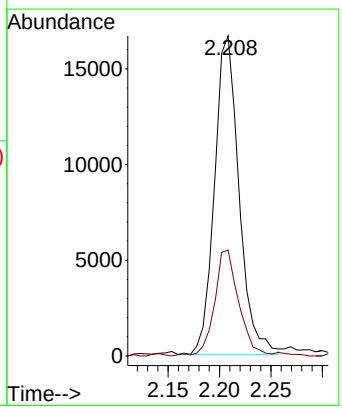


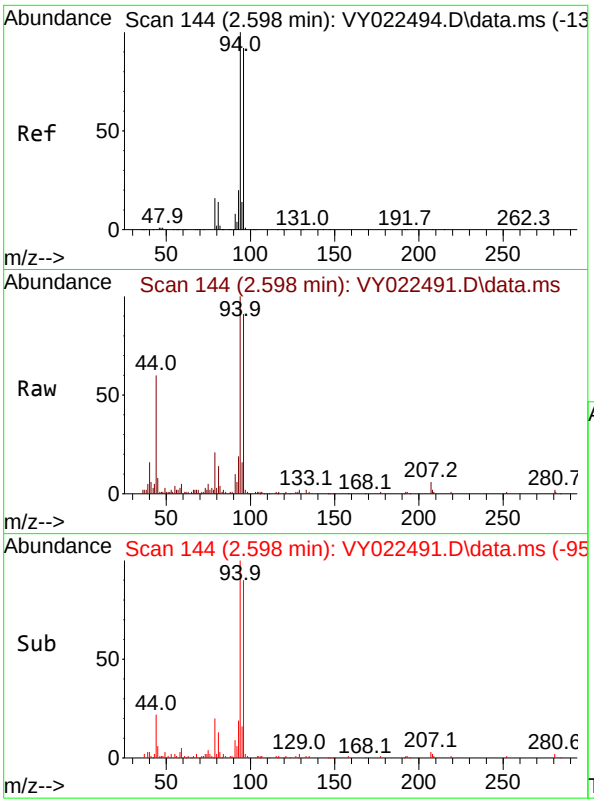


#4
Vinyl Chloride
Concen: 4.544 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 27572

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.3	37.9



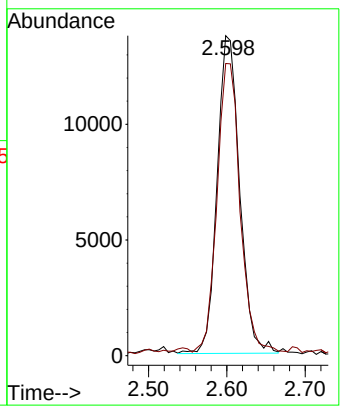


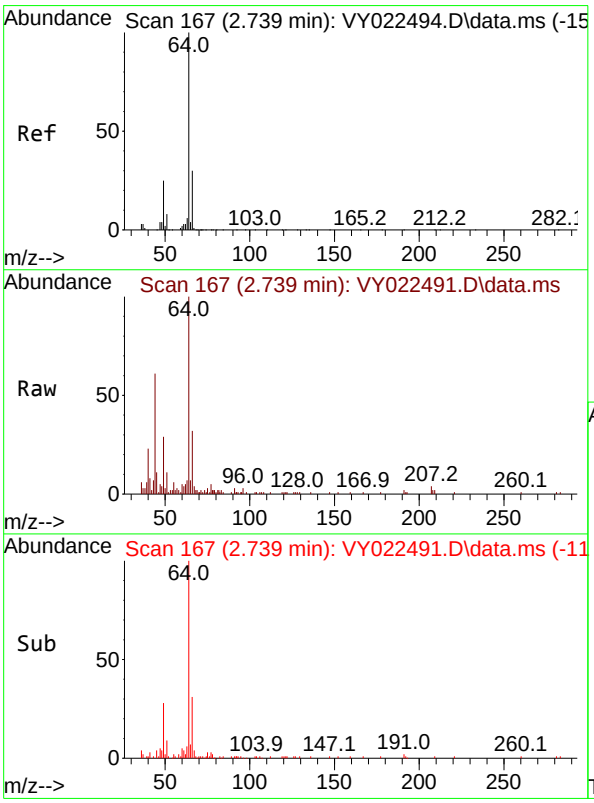
#5
Bromomethane
Concen: 4.784 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 27457

Ion	Ratio	Lower	Upper
94	100		
96	90.5	74.0	111.0

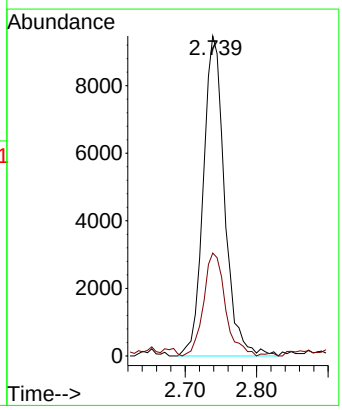


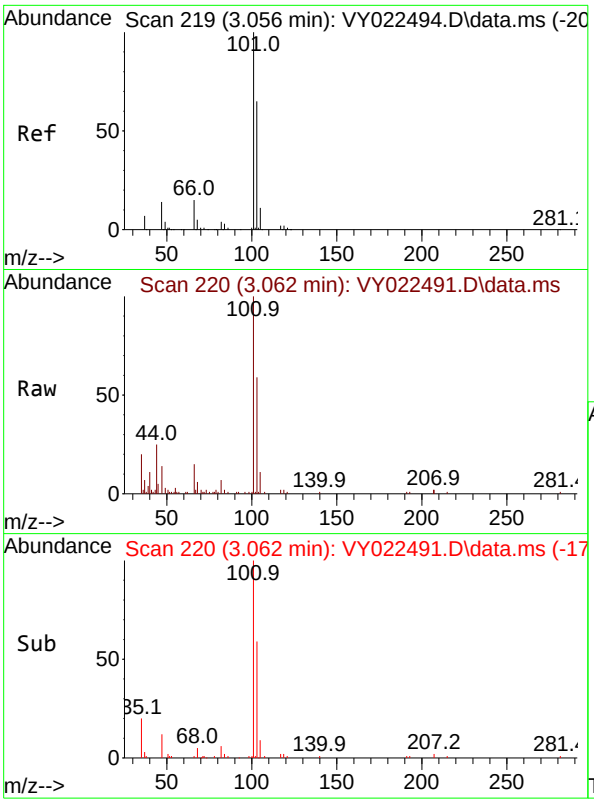


#6
Chloroethane
Concen: 4.710 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 64 Resp: 19566

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6



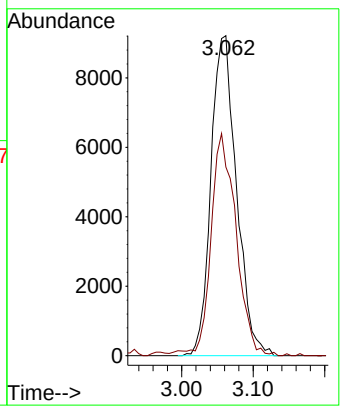


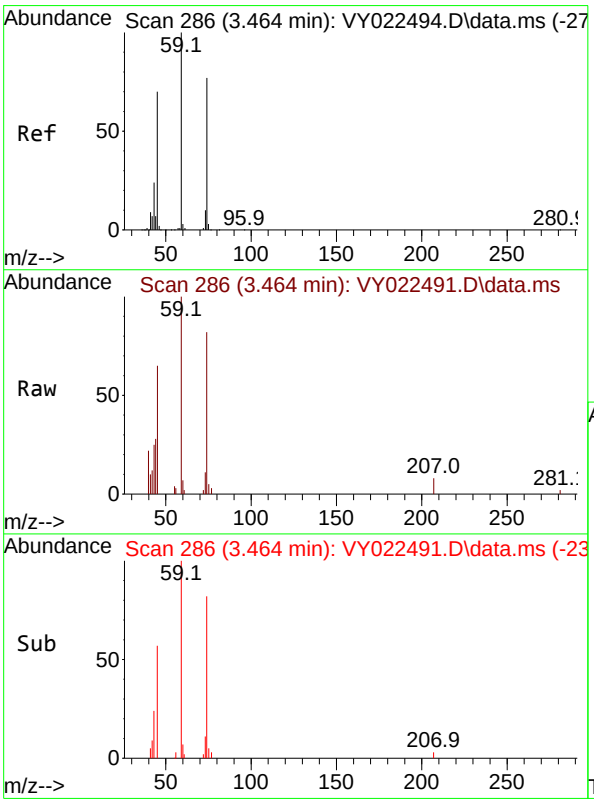
#7
Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 22825

Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.2	78.2

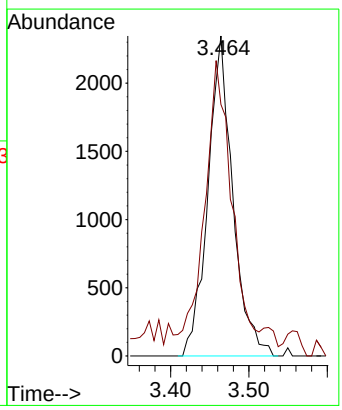


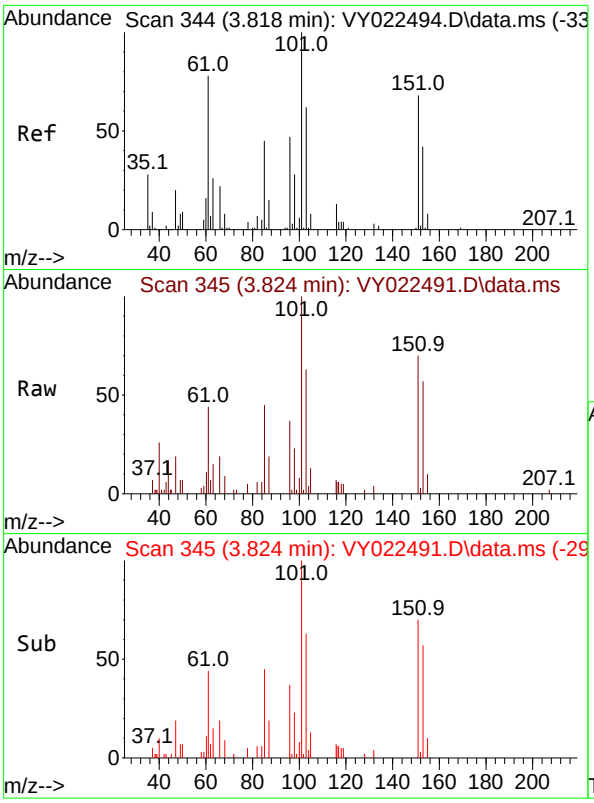


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 74 Resp: 5184

Ion	Ratio	Lower	Upper
74	100		
45	98.9	45.9	137.6



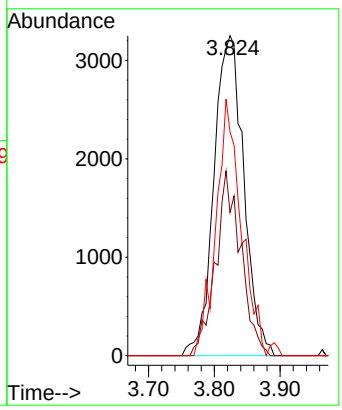


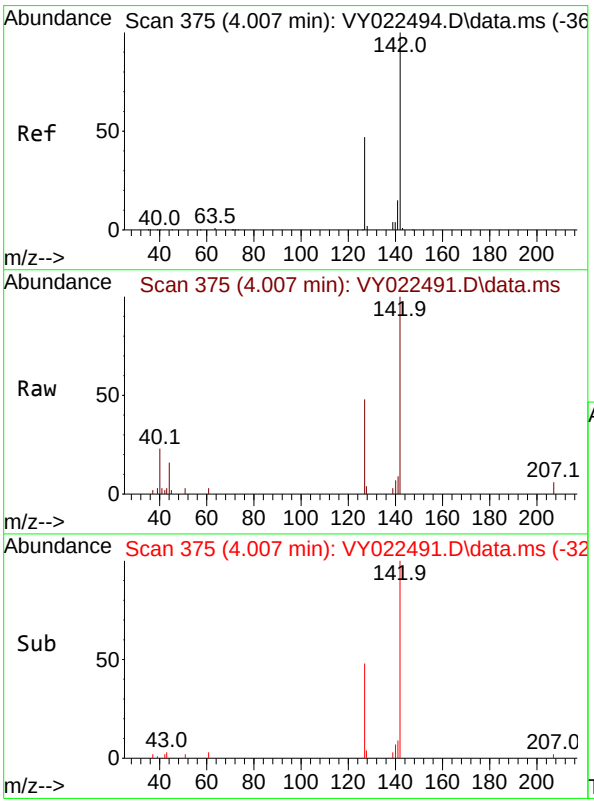
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.744 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10259

Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.3	58.9
151	67.9	57.8	86.8

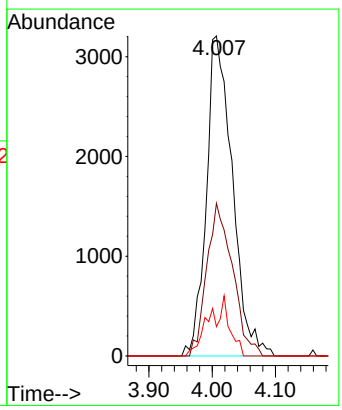


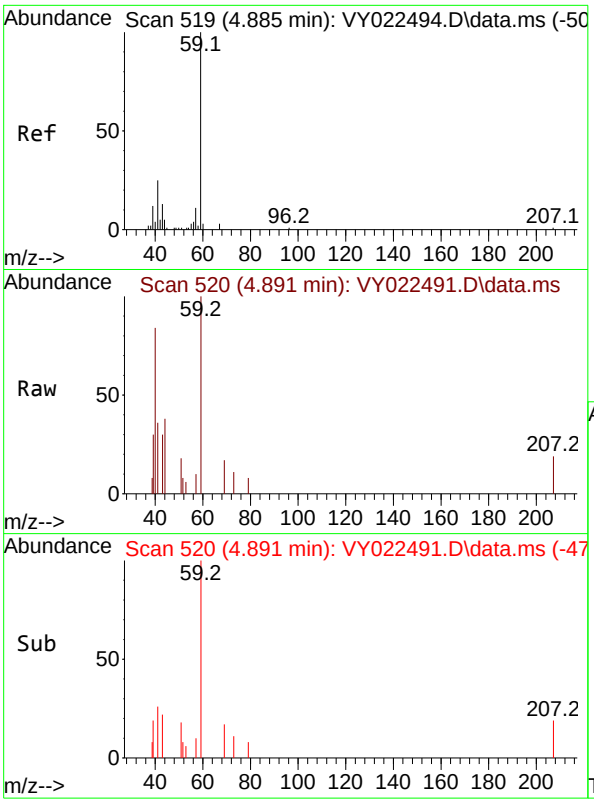


#10
Methyl Iodide
Concen: 3.956 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:142 Resp: 9174

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	7.8	11.4	17.2#



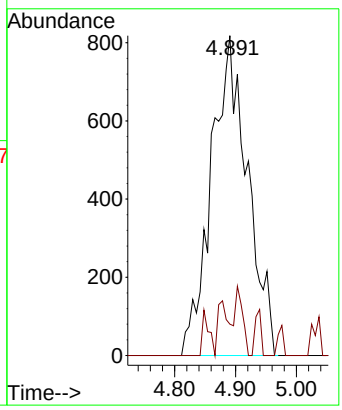


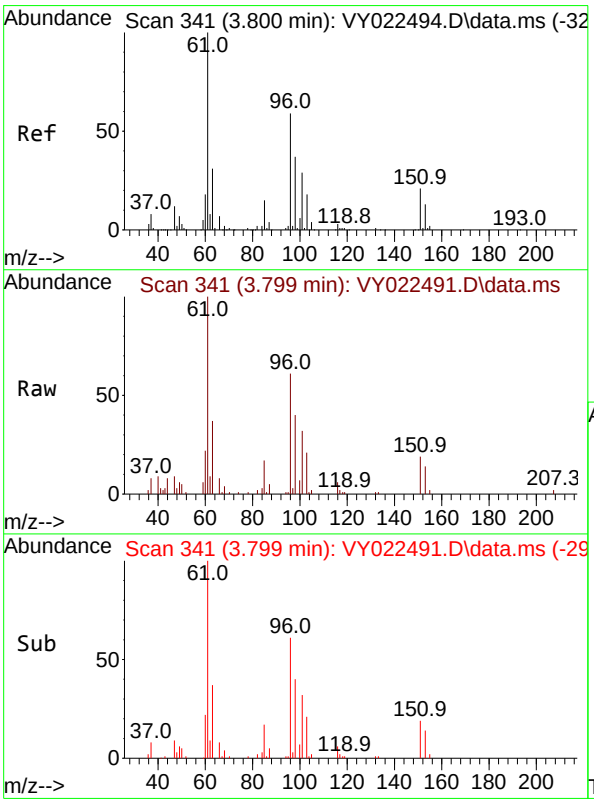
#11
Tert butyl alcohol
Concen: 21.587 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 3374

Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.0	12.0#

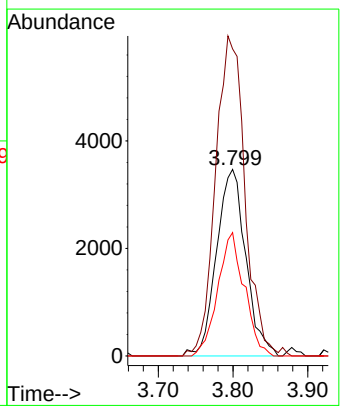


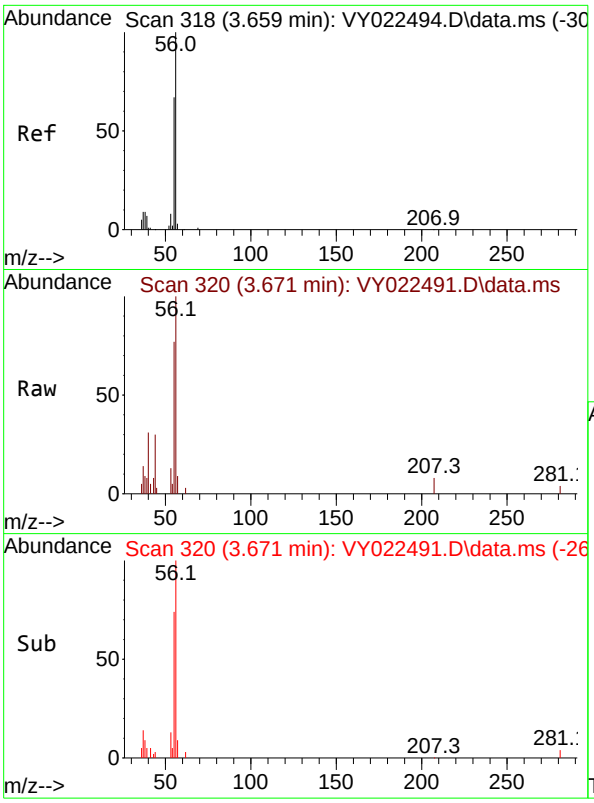


#12
1,1-Dichloroethene
Concen: 4.573 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 9440

Ion	Ratio	Lower	Upper
96	100		
61	164.6	134.6	201.8
98	66.2	50.2	75.4



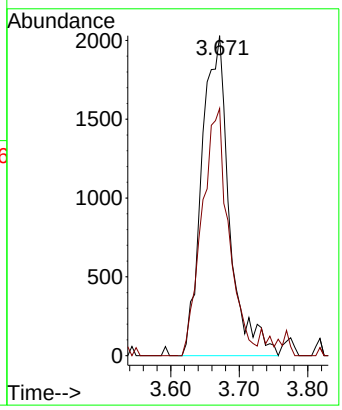


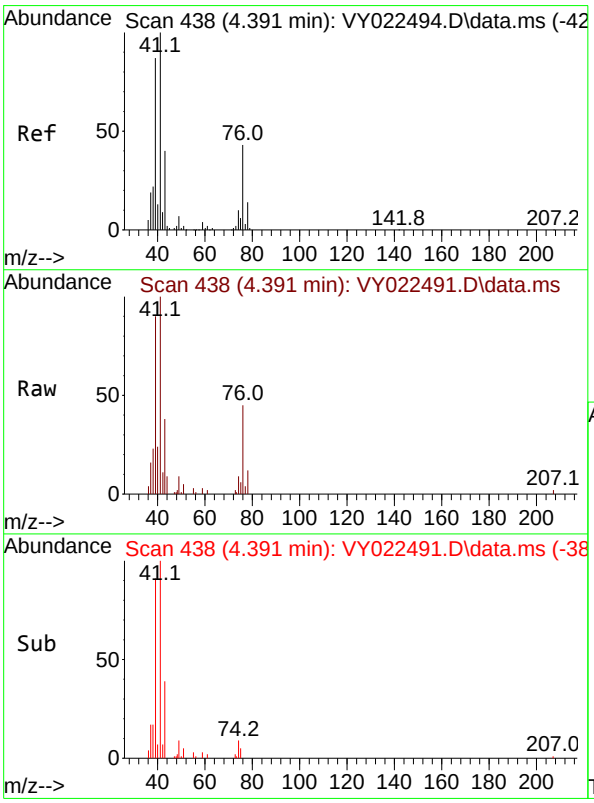
#13
Acrolein
Concen: 29.646 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5656

Ion	Ratio	Lower	Upper
56	100		
55	75.3	57.0	85.6

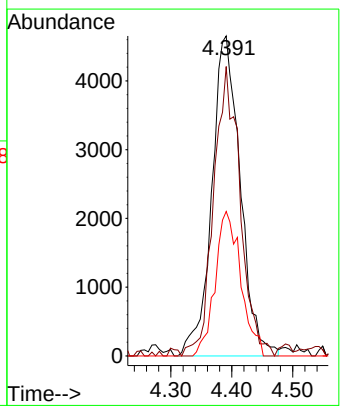


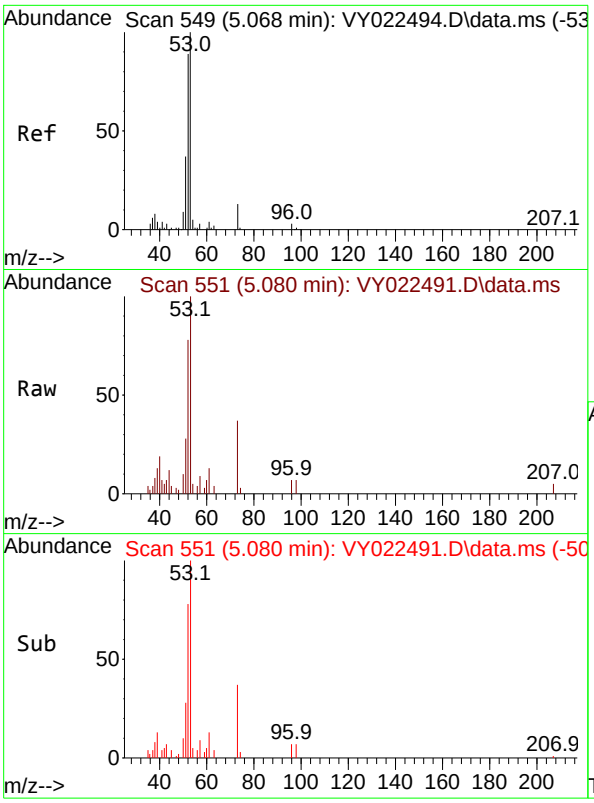


#14
Allyl chloride
Concen: 4.693 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 15096

Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.1	103.7
76	40.8	33.5	50.3



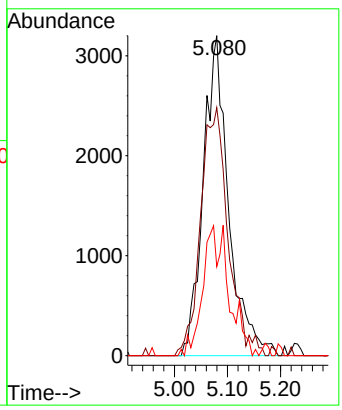


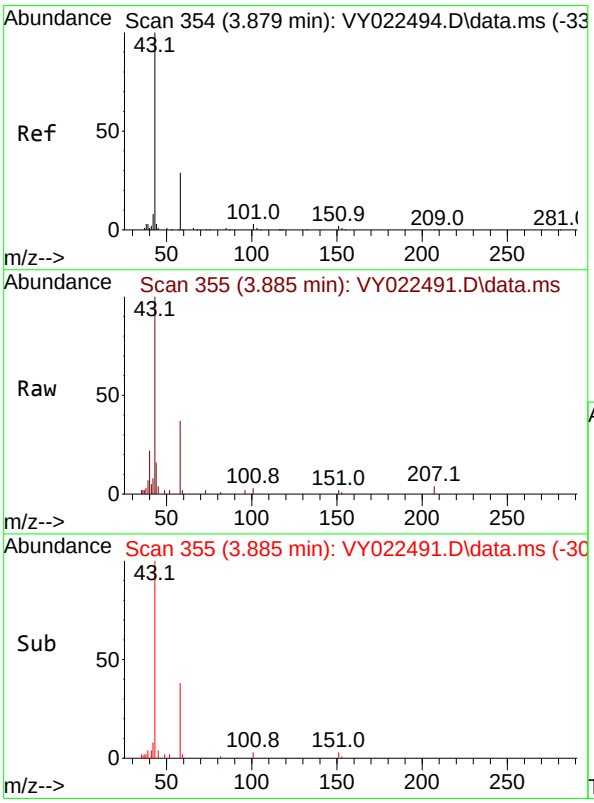
#15
Acrylonitrile
Concen: 22.026 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 10667

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.7	98.5
51	41.4	30.1	45.1

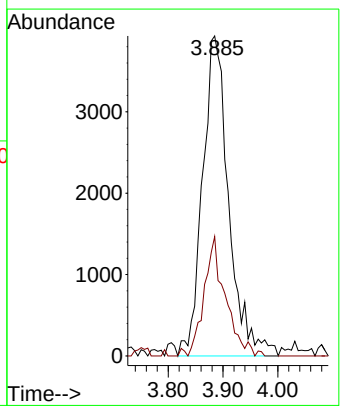


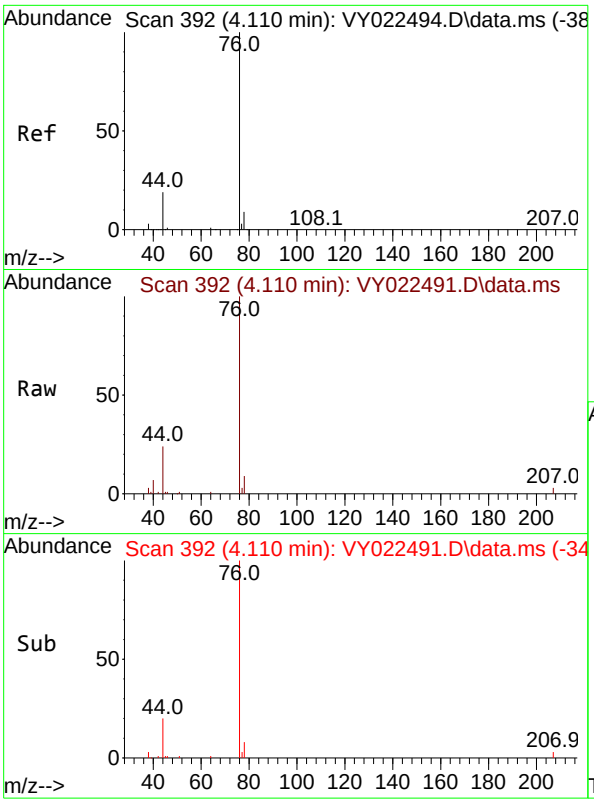


#16
Acetone
Concen: 30.108 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 13023

Ion	Ratio	Lower	Upper
43	100		
58	37.3	24.0	36.0#



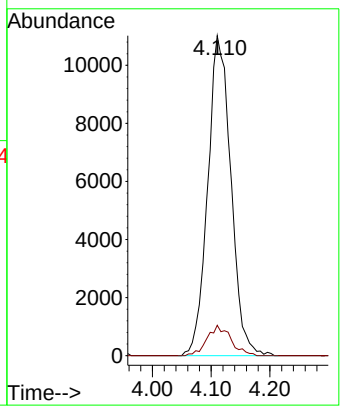


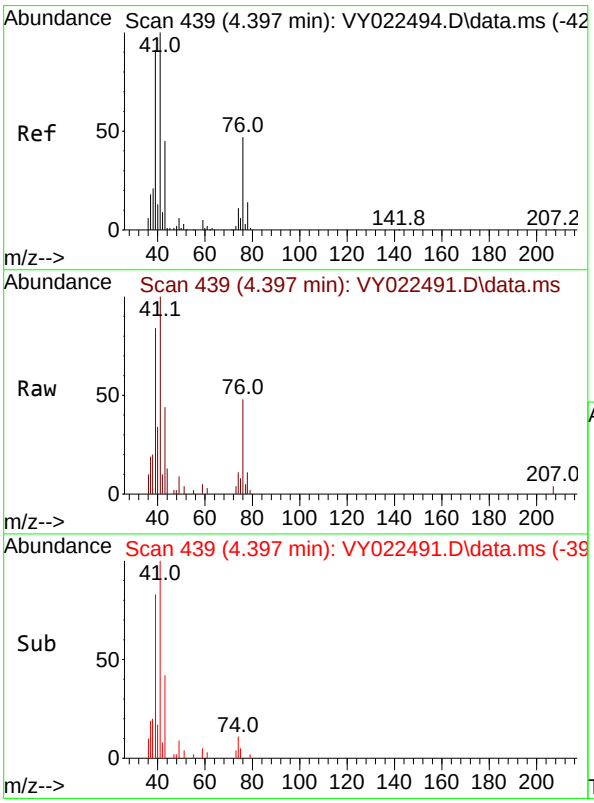
#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30222

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

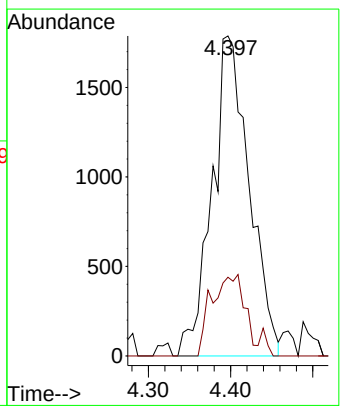


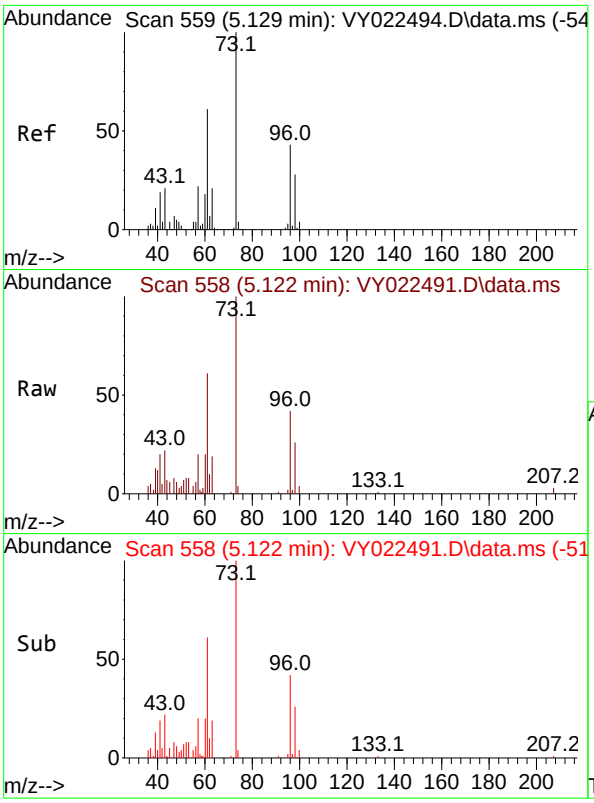


#18
Methyl Acetate
Concen: 4.327 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 5630

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.6



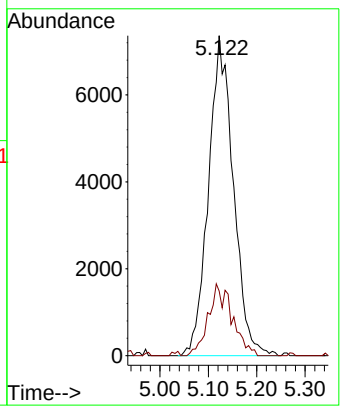


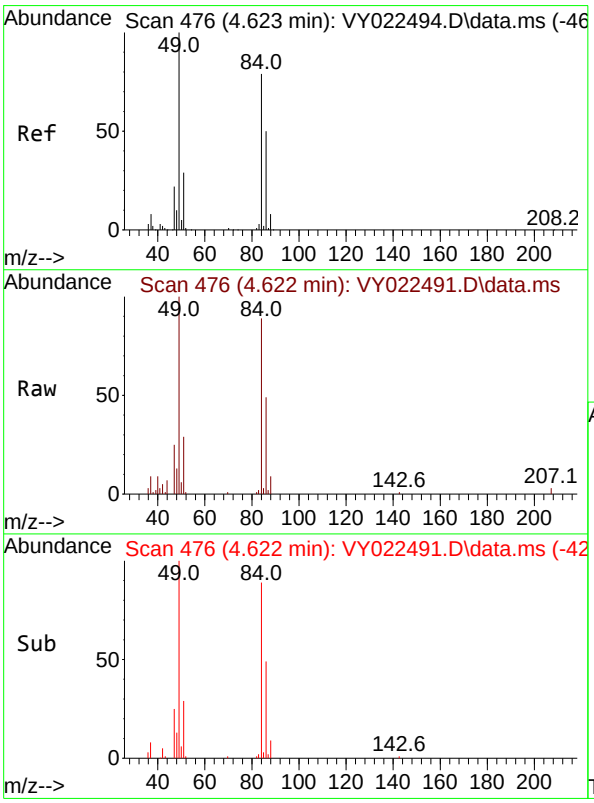
#19
Methyl tert-butyl Ether
Concen: 4.562 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 26276

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0

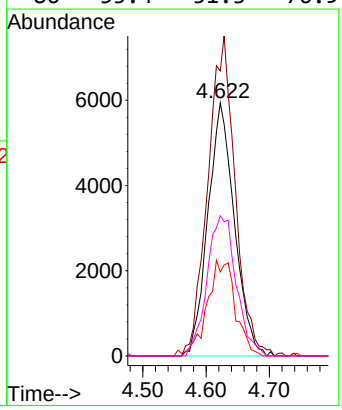


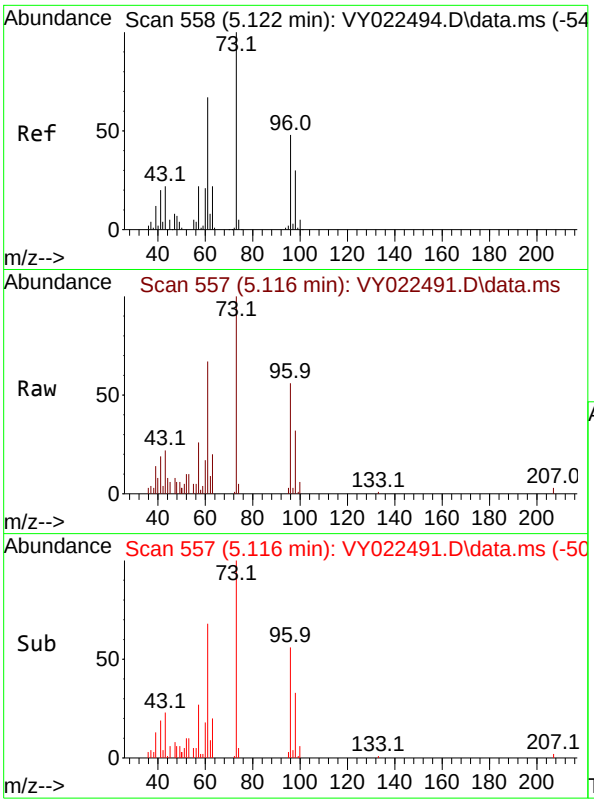


#20
Methylene Chloride
Concen: 7.168 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 84 Resp: 17312

Ion	Ratio	Lower	Upper
84	100		
49	112.6	101.9	152.9
51	33.2	29.8	44.8
86	55.4	51.3	76.9



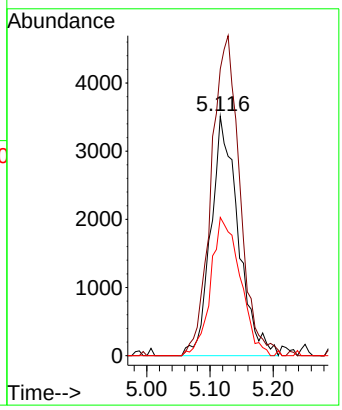


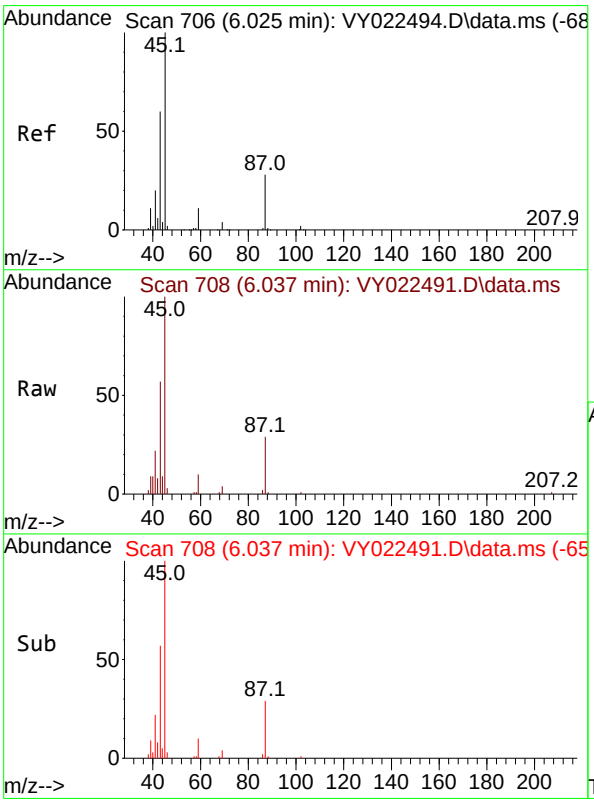
#21
trans-1,2-Dichloroethene
Concen: 4.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10489

Ion	Ratio	Lower	Upper
96	100		
61	119.8	112.6	169.0
98	57.7	50.6	75.8

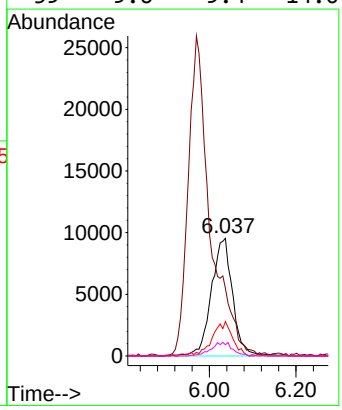


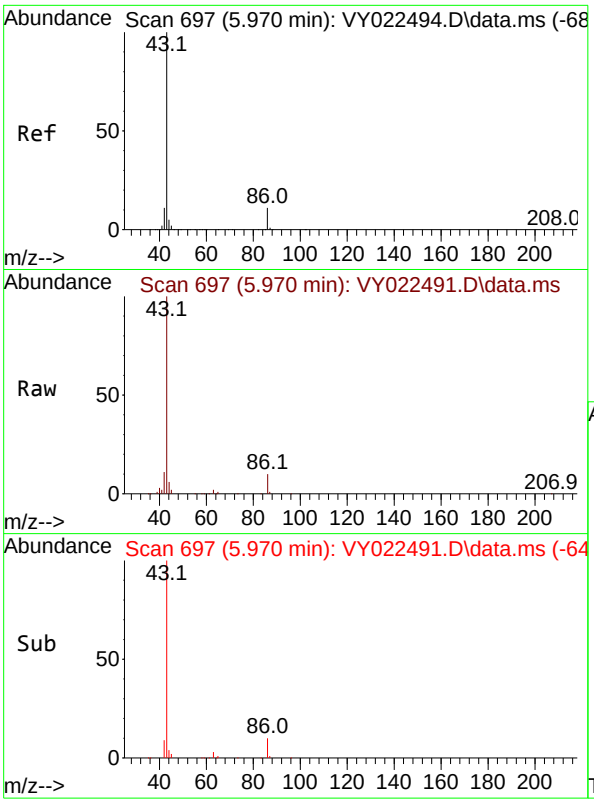


#22
Diisopropyl ether
Concen: 4.544 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 45 Resp: 32497

Ion	Ratio	Lower	Upper
45	100		
43	55.1	48.3	72.5
87	29.3	23.0	34.6
59	9.6	9.4	14.0



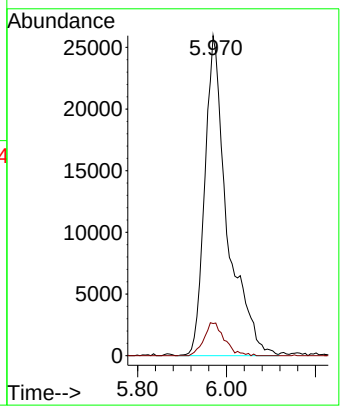


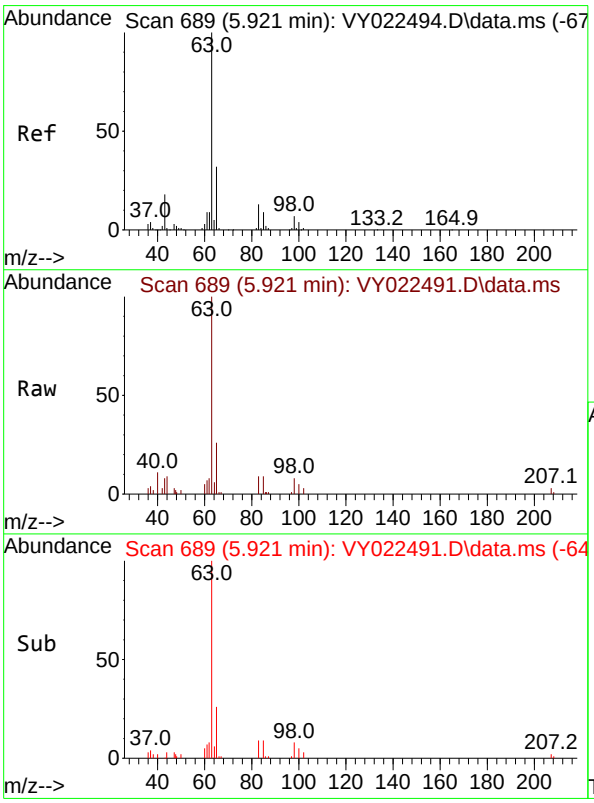
#23
Vinyl Acetate
Concen: 21.559 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 91478

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.6	12.8

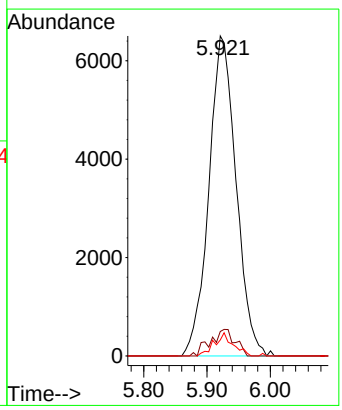


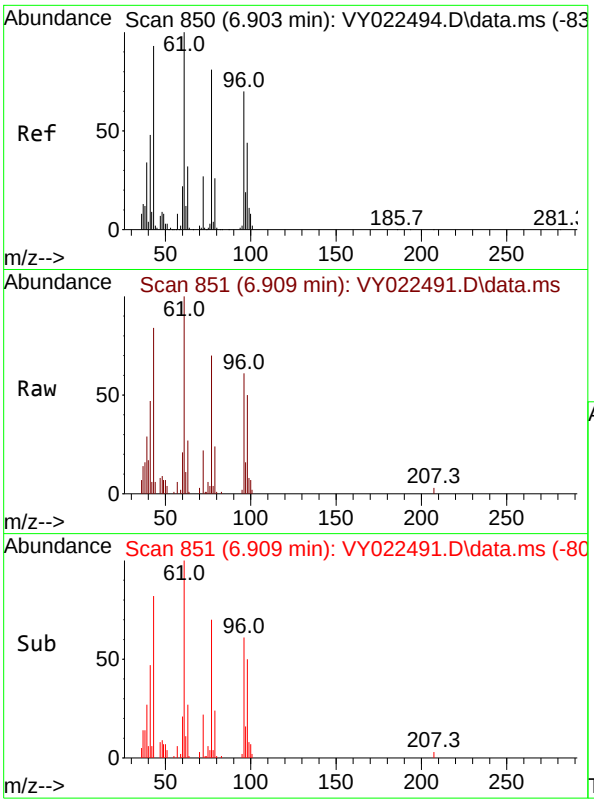


#24
1,1-Dichloroethane
Concen: 4.603 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 19460

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	5.0	2.1	6.3



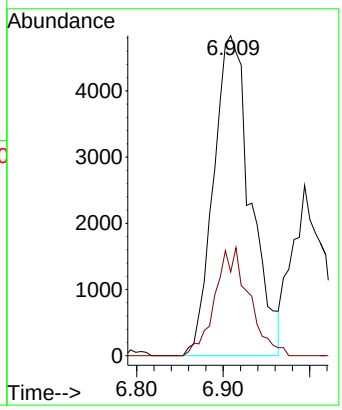


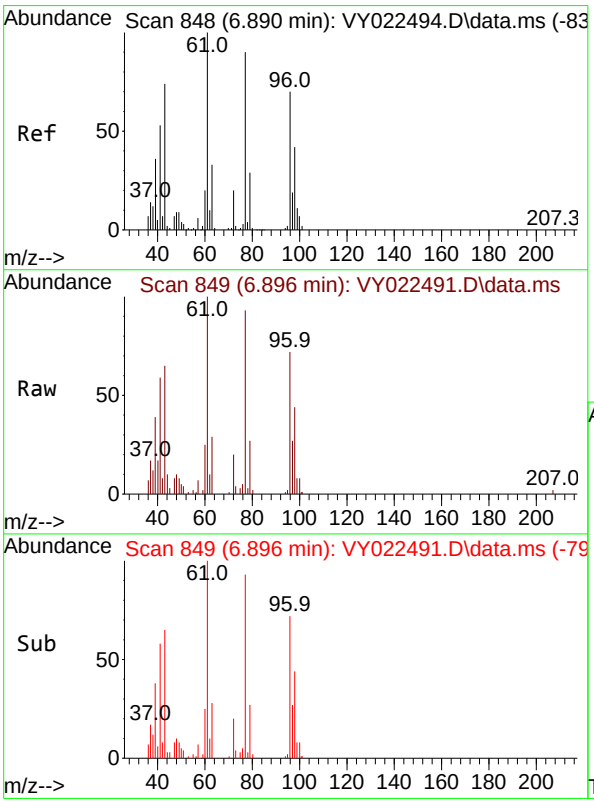
#25
2-Butanone
Concen: 22.605 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 14423

Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.9	34.3

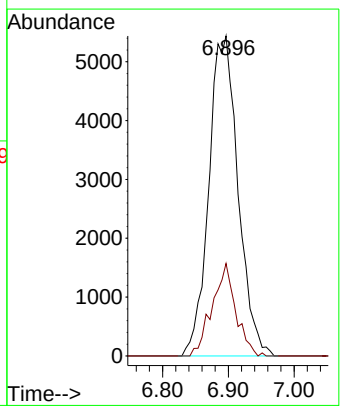


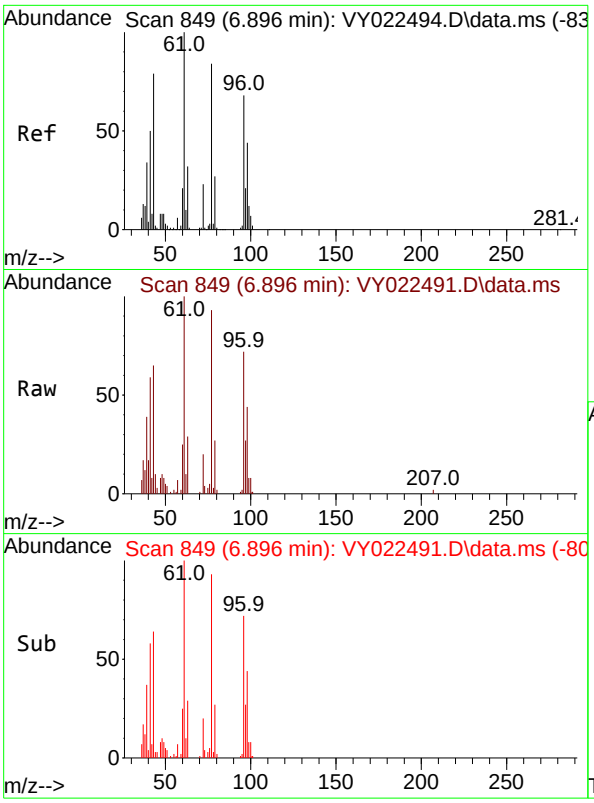


#26
2,2-Dichloropropane
Concen: 4.471 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 77 Resp: 16805

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.4	34.2



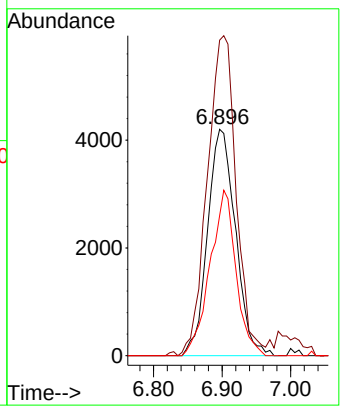


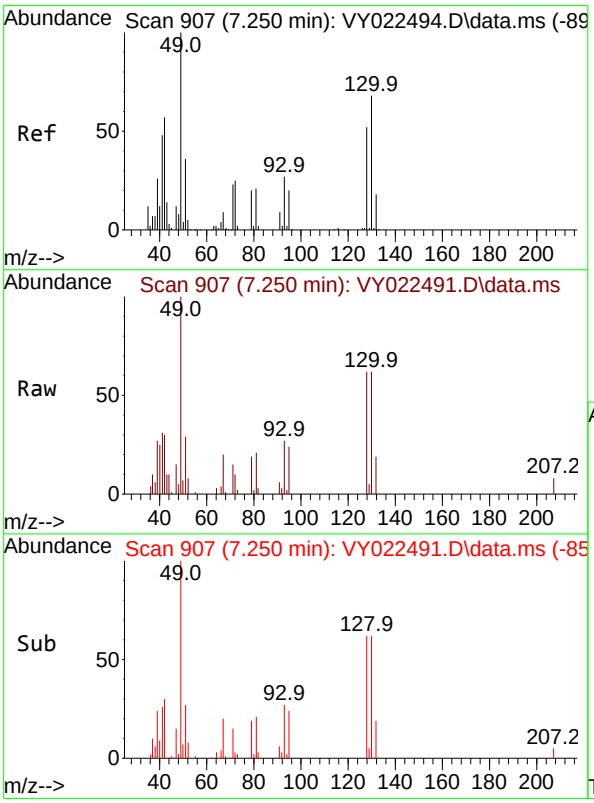
#27
cis-1,2-Dichloroethene
Concen: 4.467 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11906

Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	290.0
98	67.8	0.0	128.4

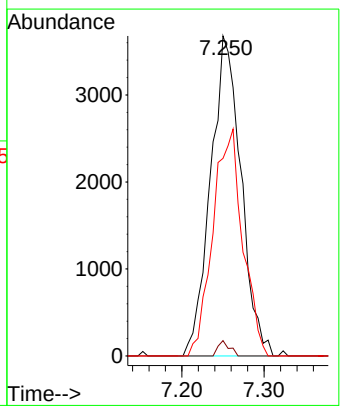


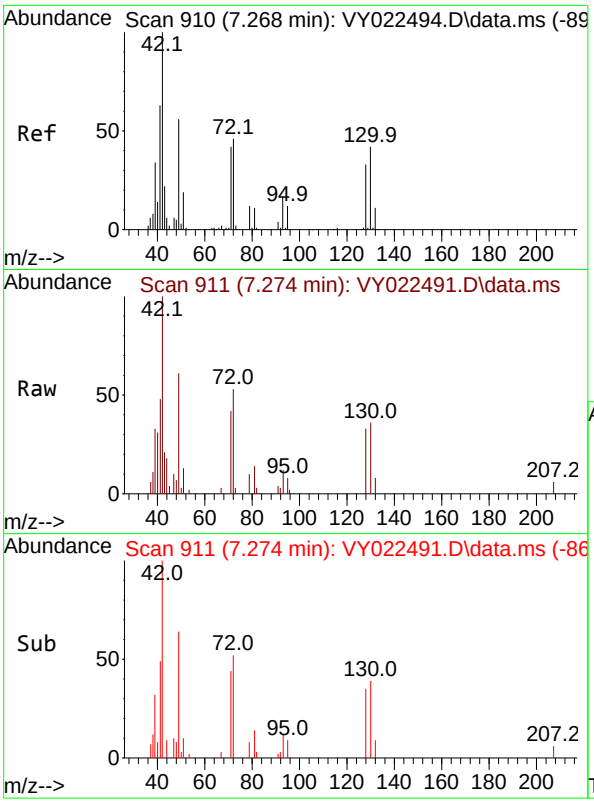


#28
Bromochloromethane
Concen: 5.175 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 49 Resp: 9453

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.5	55.7	83.5



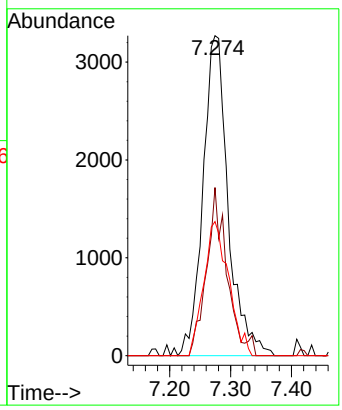


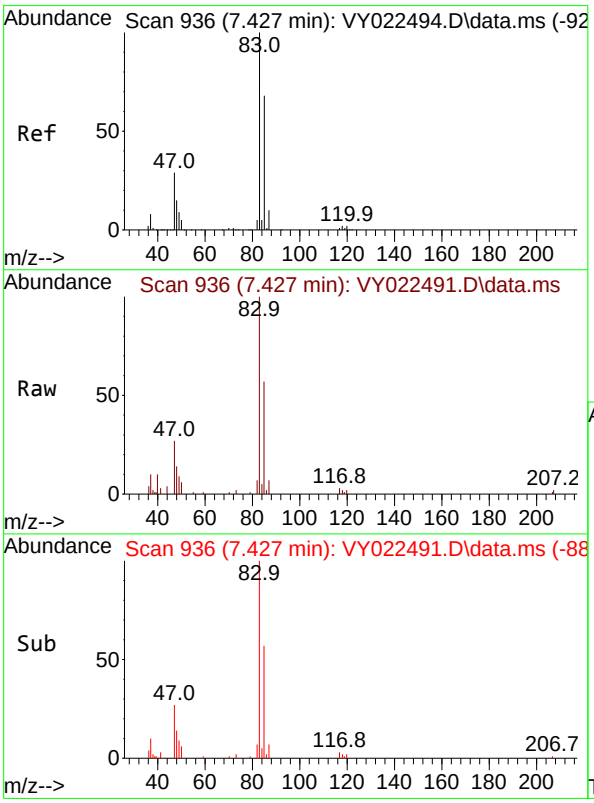
#29
Tetrahydrofuran
Concen: 22.781 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 9377

Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.2
71	41.5	34.2	51.2

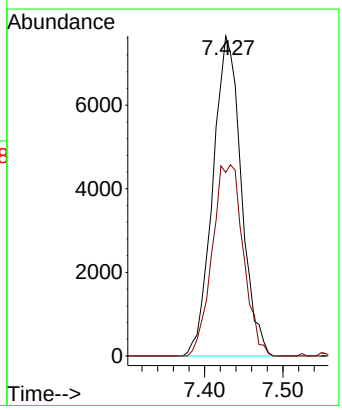


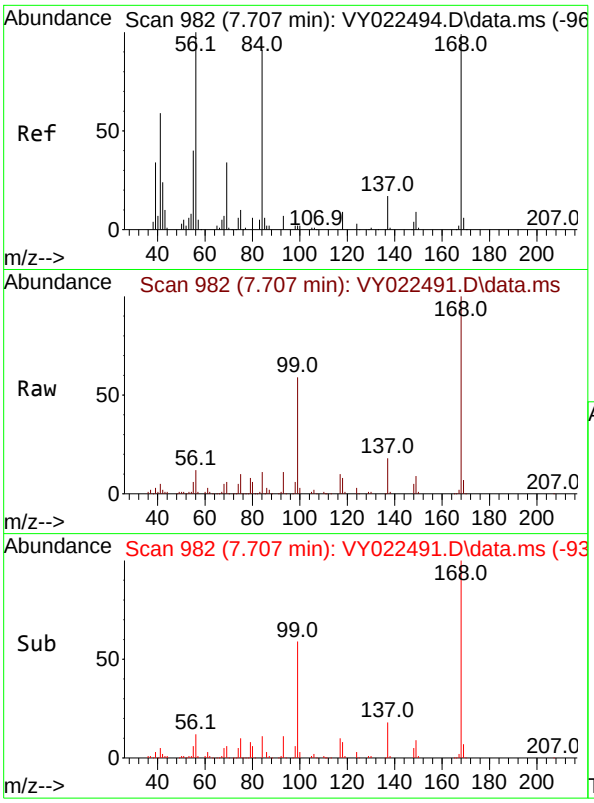


#30
Chloroform
Concen: 4.620 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 19302

Ion	Ratio	Lower	Upper
83	100		
85	57.4	54.2	81.4



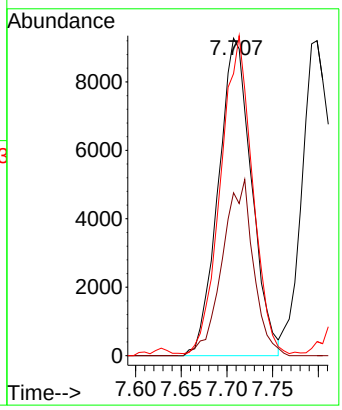


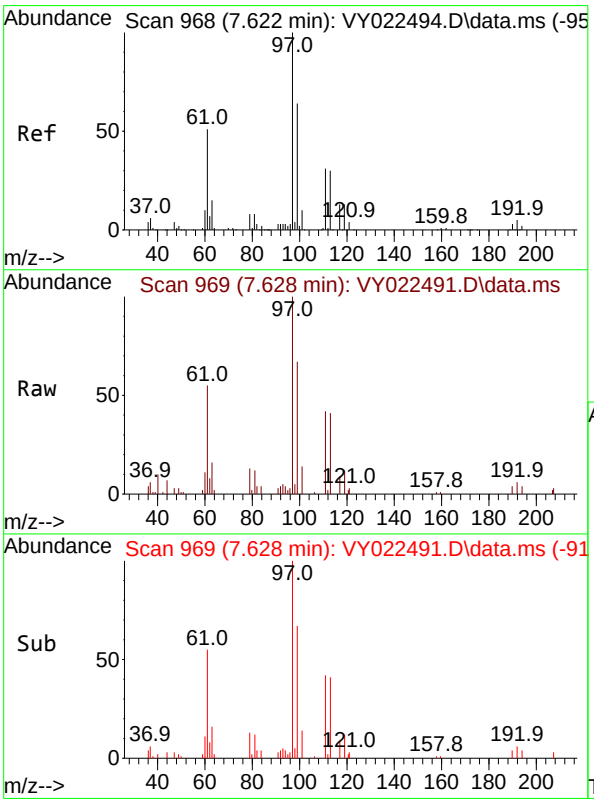
#31
Cyclohexane
Concen: 5.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23482

Ion	Ratio	Lower	Upper
56	100		
69	51.3	27.0	40.6#
84	88.1	72.6	109.0

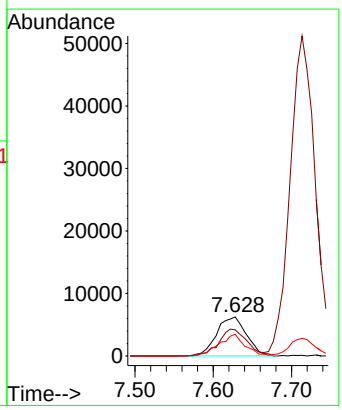


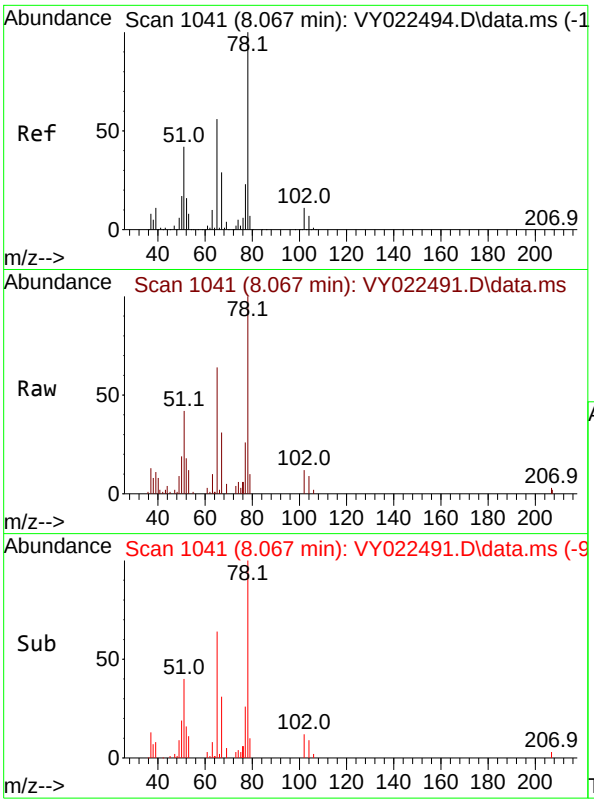


#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 16476

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	48.9	38.5	57.7



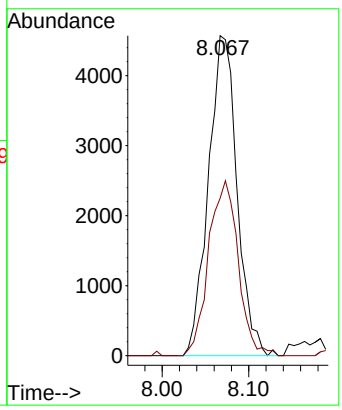


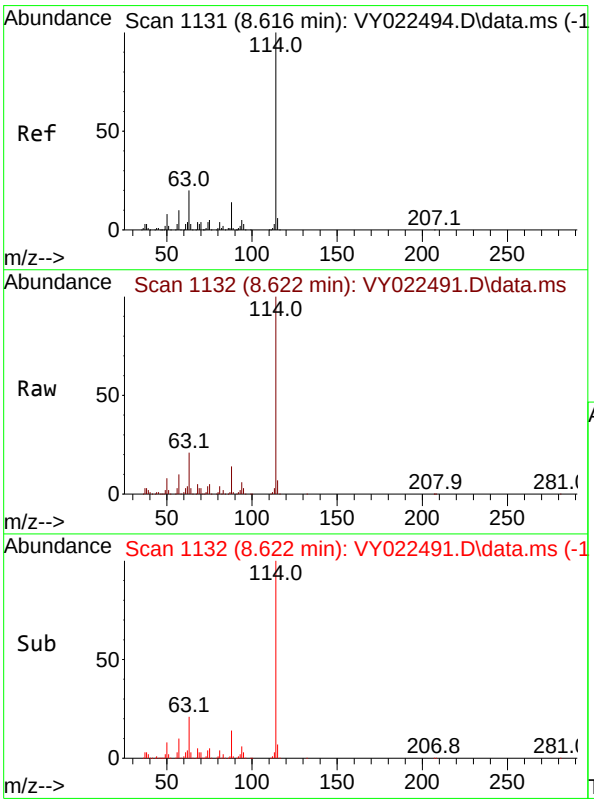
#33
1,2-Dichloroethane-d4
Concen: 4.802 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10508

Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	103.4

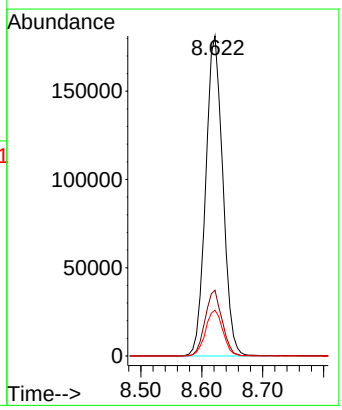


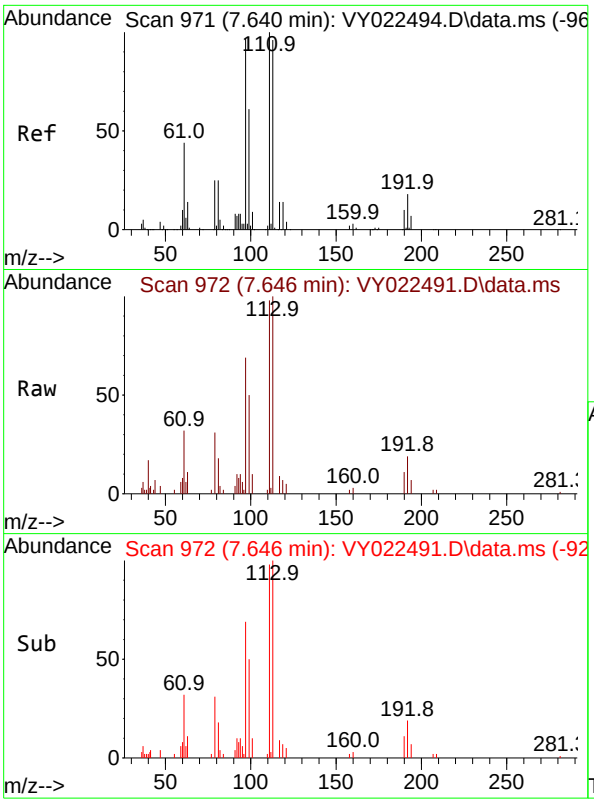


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:114 Resp: 353755

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.3	0.0	27.8



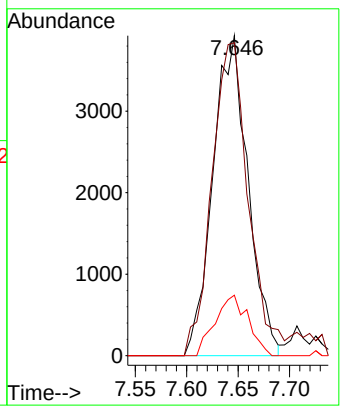


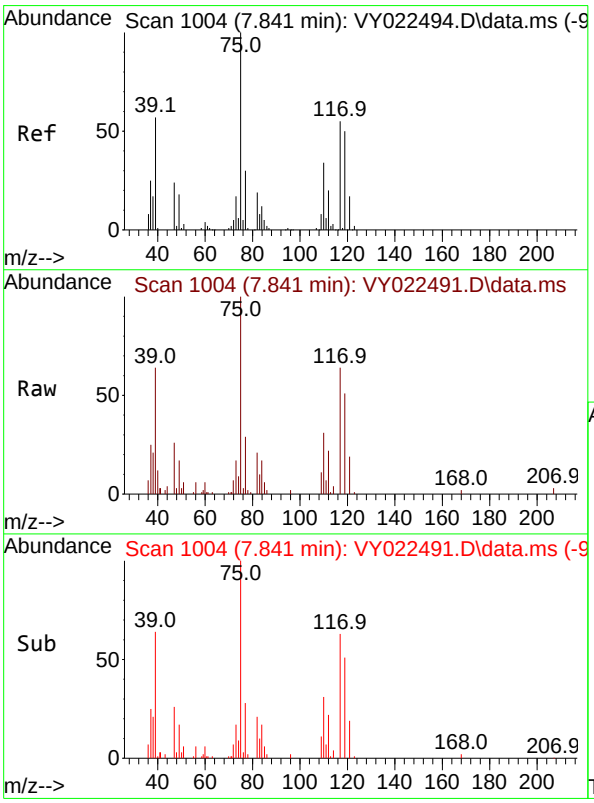
#35
Dibromofluoromethane
Concen: 4.477 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9323

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.8	14.2	21.2

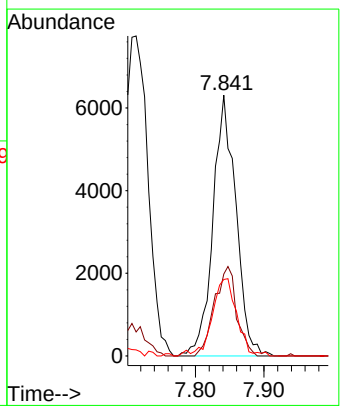


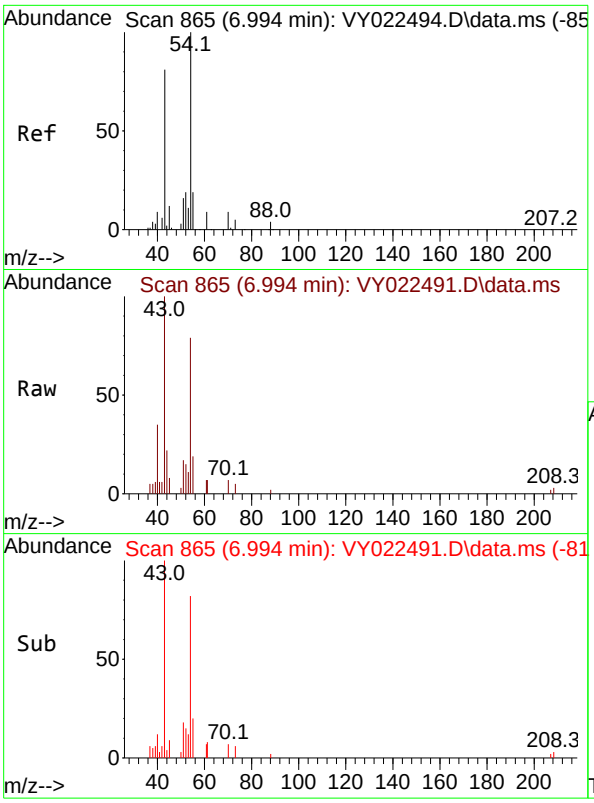


#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14700

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	32.0	24.8	37.2



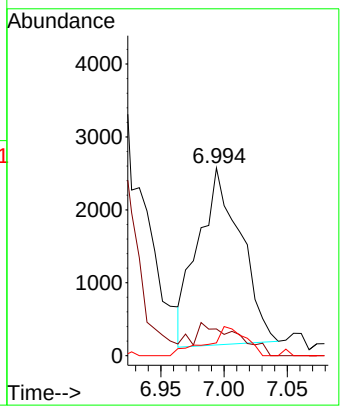


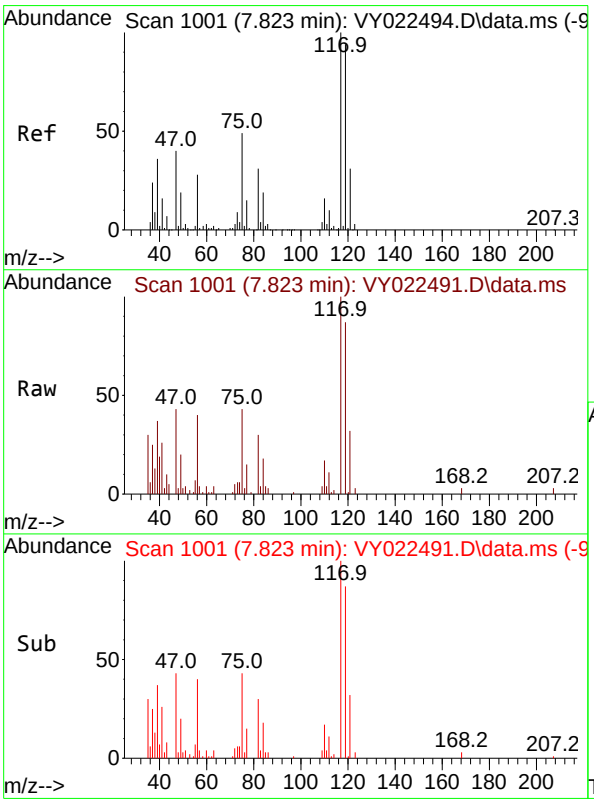
#37
Ethyl Acetate
Concen: 3.822 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 5662

Ion	Ratio	Lower	Upper
43	100		
61	19.6	11.5	17.3#
70	14.5	7.2	10.8#

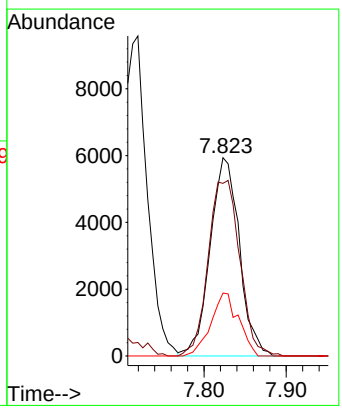


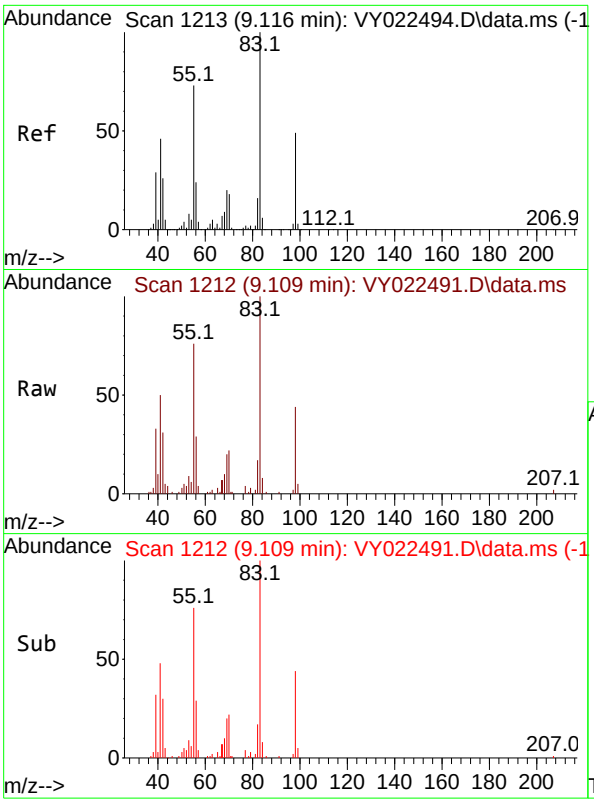


#38
Carbon Tetrachloride
Concen: 4.233 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 14691

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.0	112.6
121	31.7	25.0	37.4



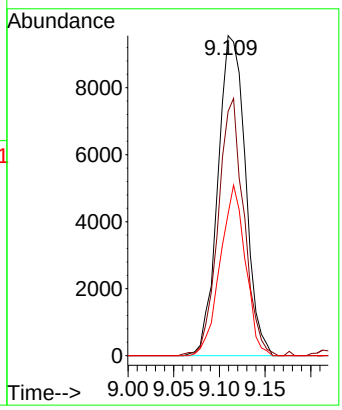


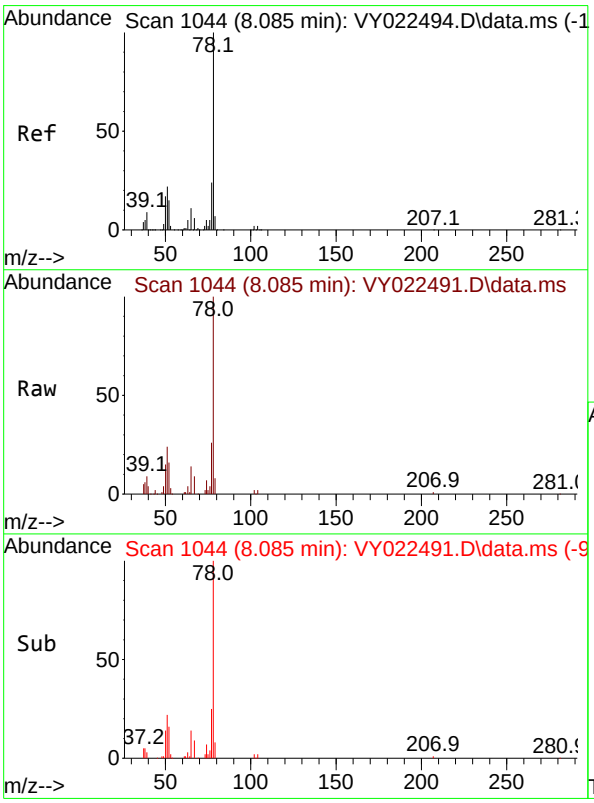
#39
Methylcyclohexane
Concen: 4.415 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20076

Ion	Ratio	Lower	Upper
83	100		
55	76.4	58.1	87.1
98	44.4	39.0	58.6

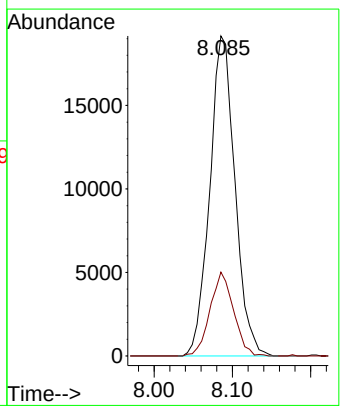


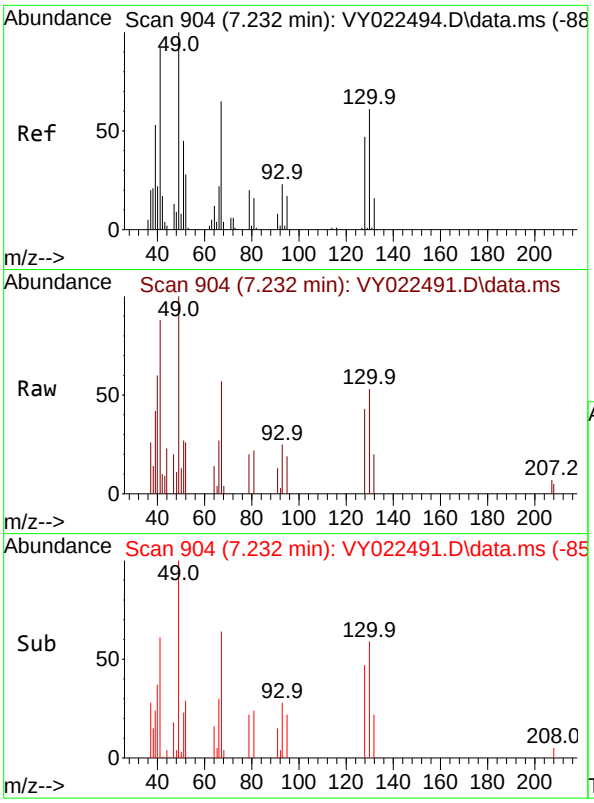


#40
Benzene
Concen: 4.326 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 78 Resp: 42926

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9



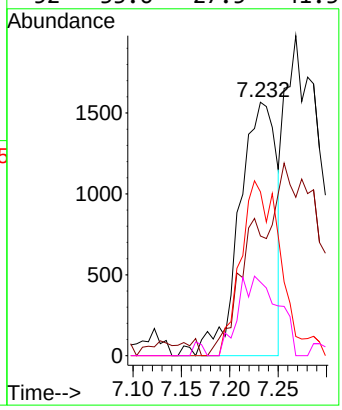


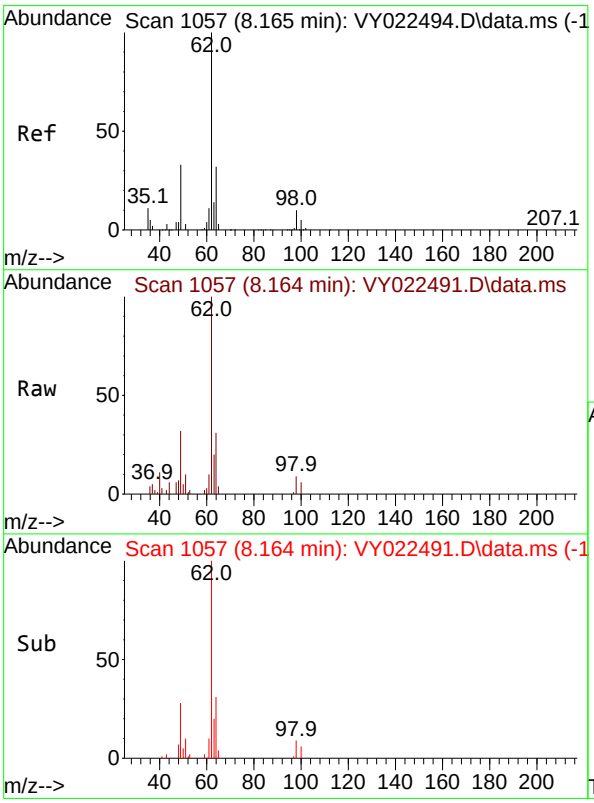
#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 4192

Ion	Ratio	Lower	Upper
41	100		
39	40.1	46.6	69.8#
67	74.0	63.3	94.9
52	33.6	27.5	41.3

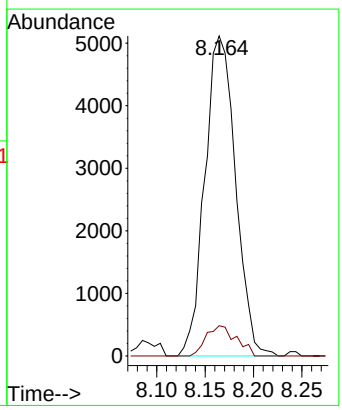


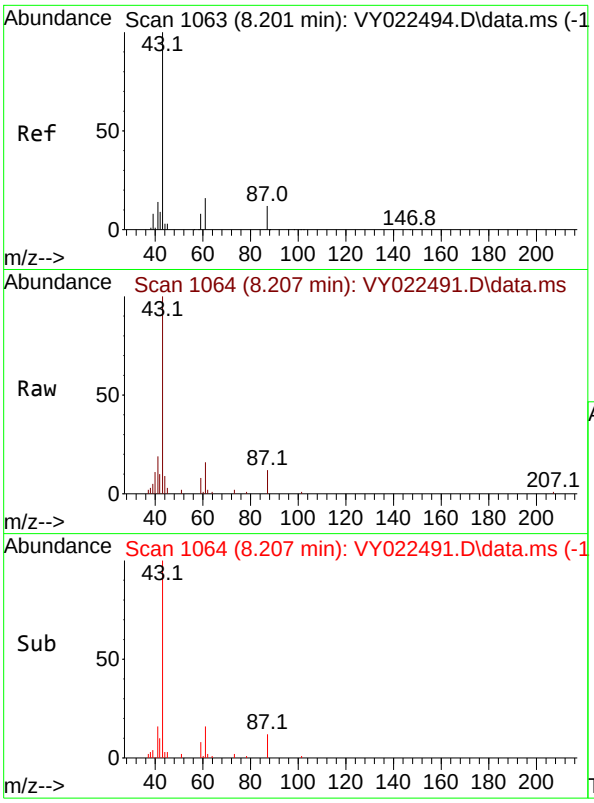


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 11332

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2



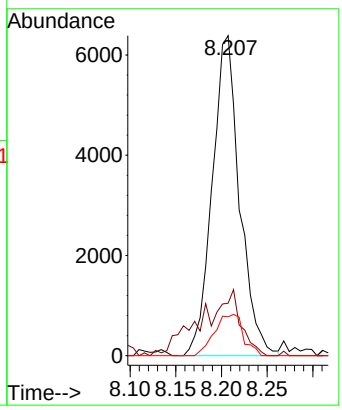


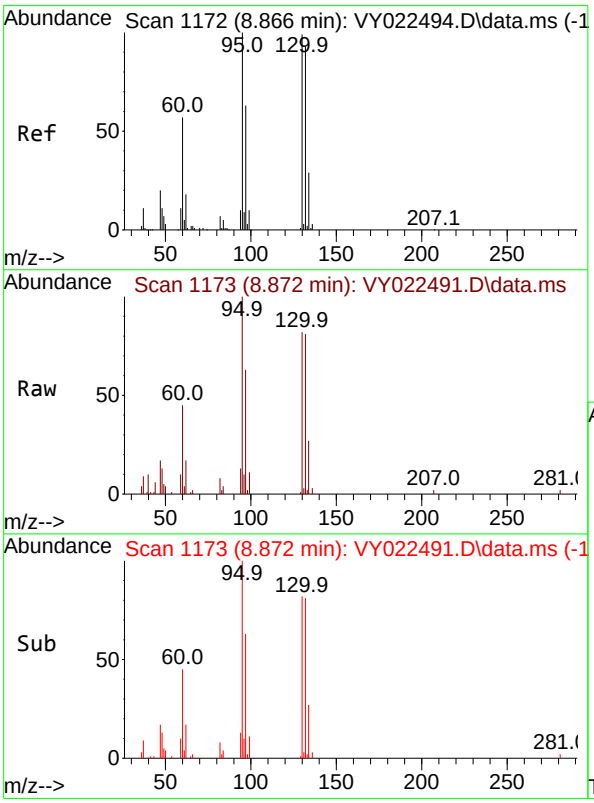
#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13330

Ion	Ratio	Lower	Upper
43	100		
61	16.2	15.6	23.4
87	13.6	10.2	15.4

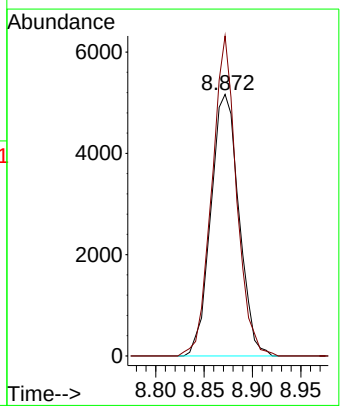


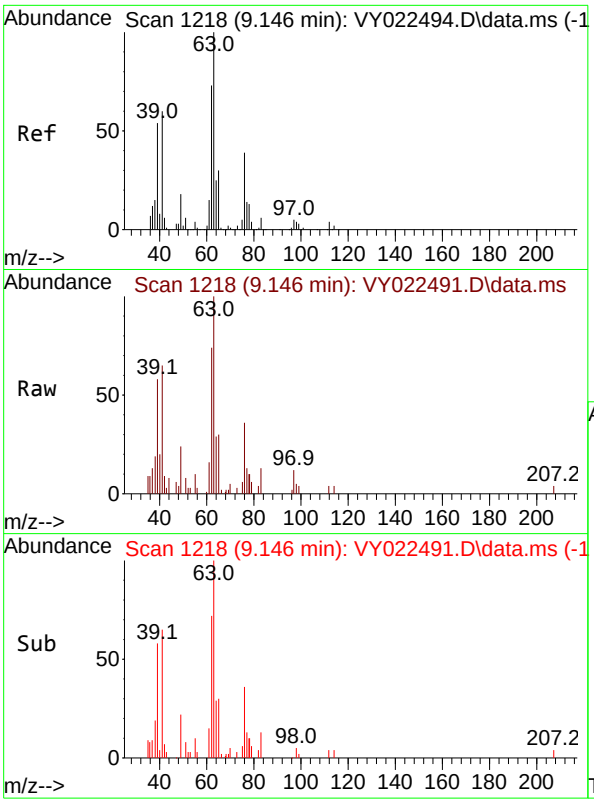


#44
Trichloroethene
Concen: 4.292 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:130 Resp: 10404

Ion	Ratio	Lower	Upper
130	100		
95	122.3	0.0	203.0



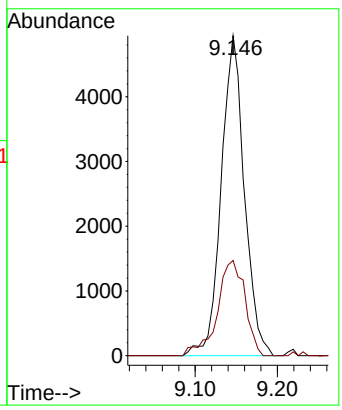


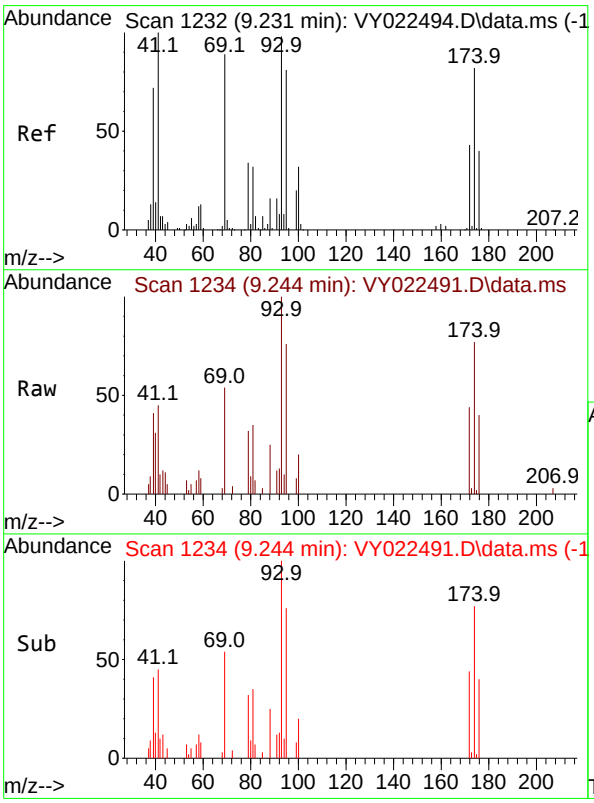
#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9678

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0

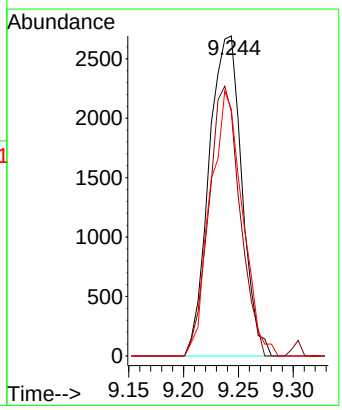


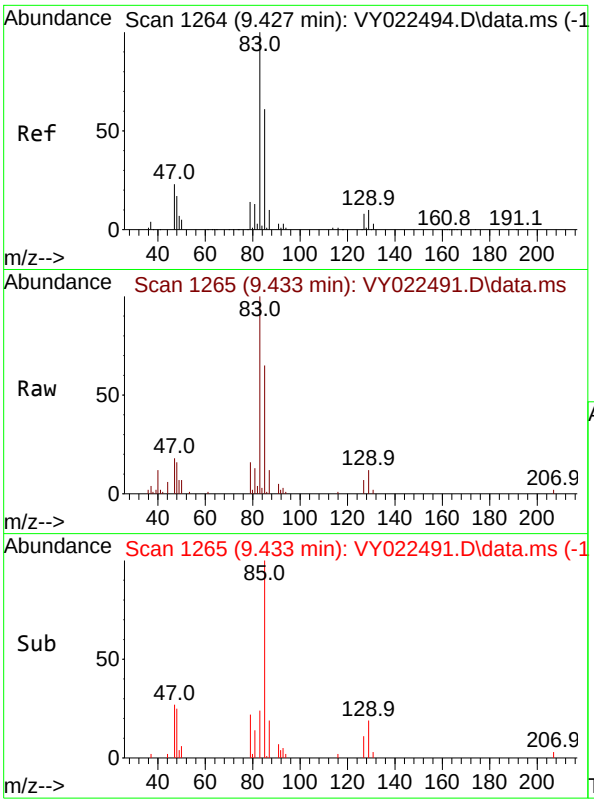


#46
Dibromomethane
Concen: 4.223 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 93 Resp: 5596

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.6	98.4
174	81.3	70.4	105.6



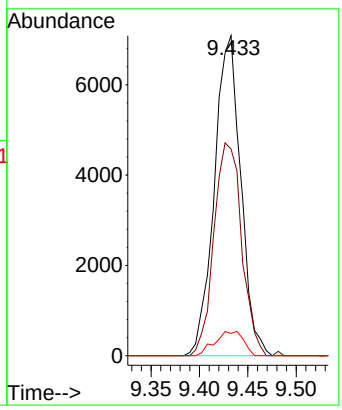


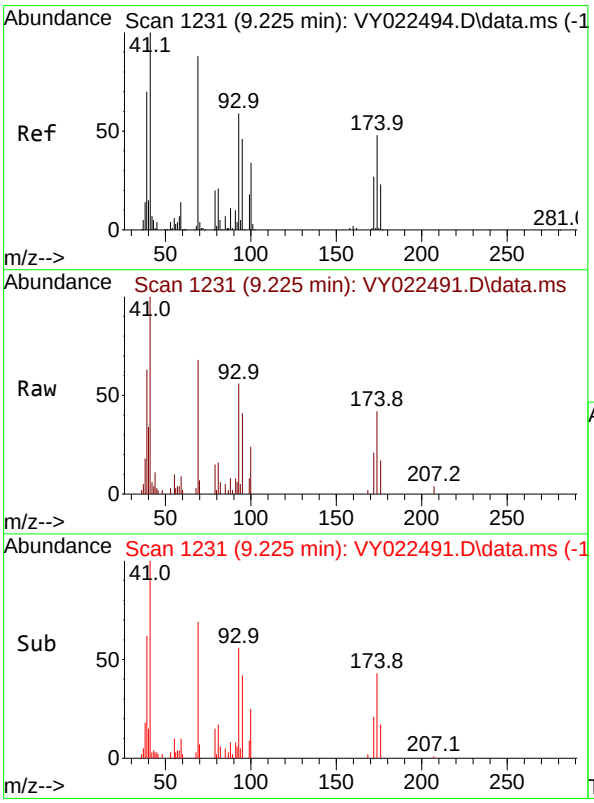
#47
Bromodichloromethane
Concen: 3.999 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13448

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	7.0	6.2	9.4

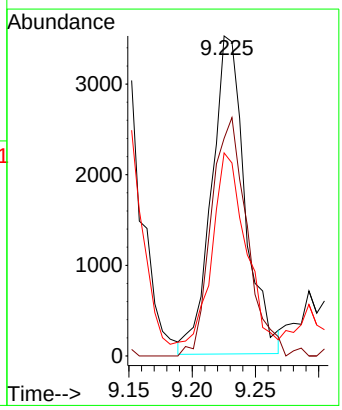


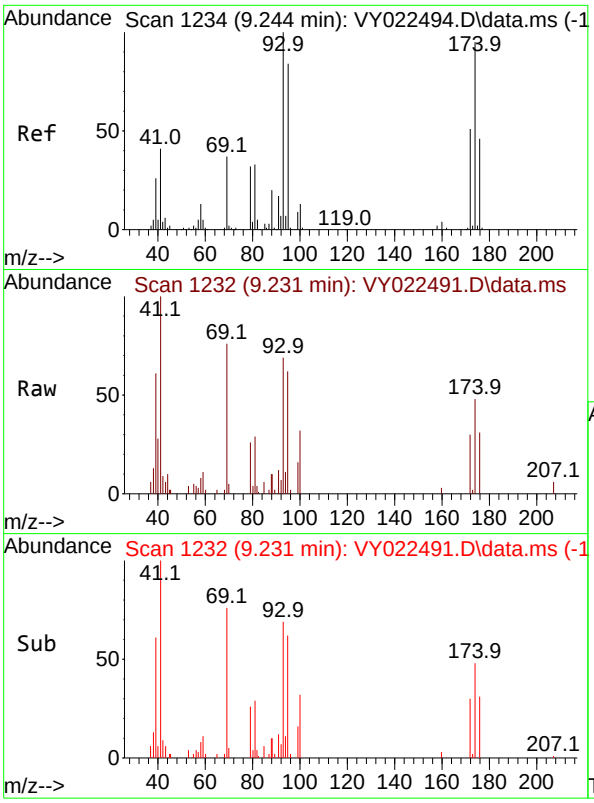


#48
Methyl methacrylate
Concen: 4.374 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 6483

Ion	Ratio	Lower	Upper
41	100		
69	80.0	67.8	101.8
39	57.3	55.0	82.4



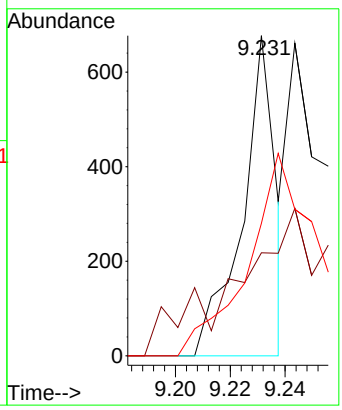


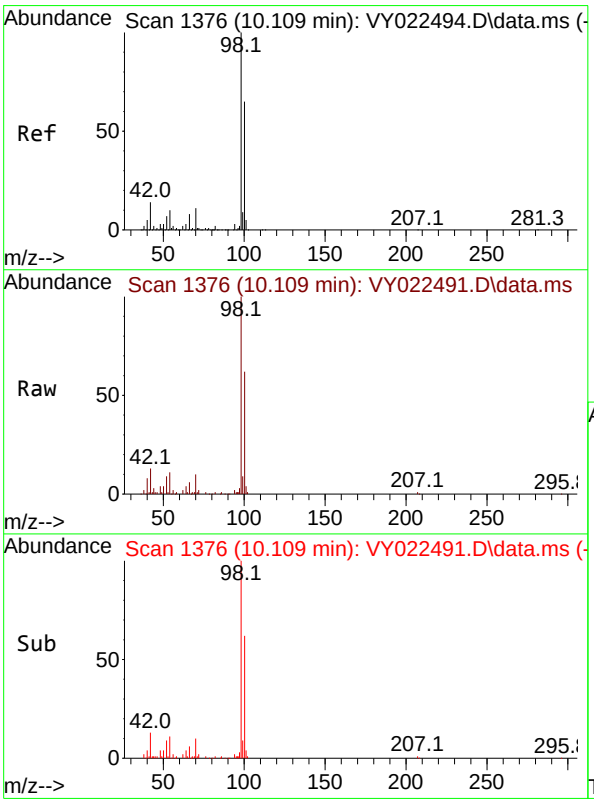
#49
1,4-Dioxane
Concen: 36.306 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 574

Ion	Ratio	Lower	Upper
88	100		
43	125.4	25.4	38.2#
58	154.7	54.9	82.3#

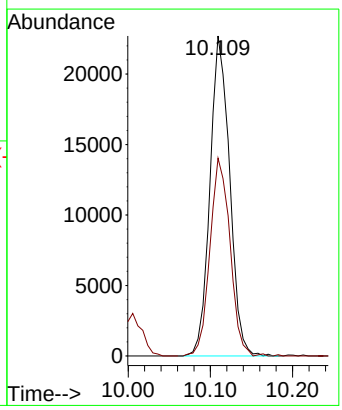


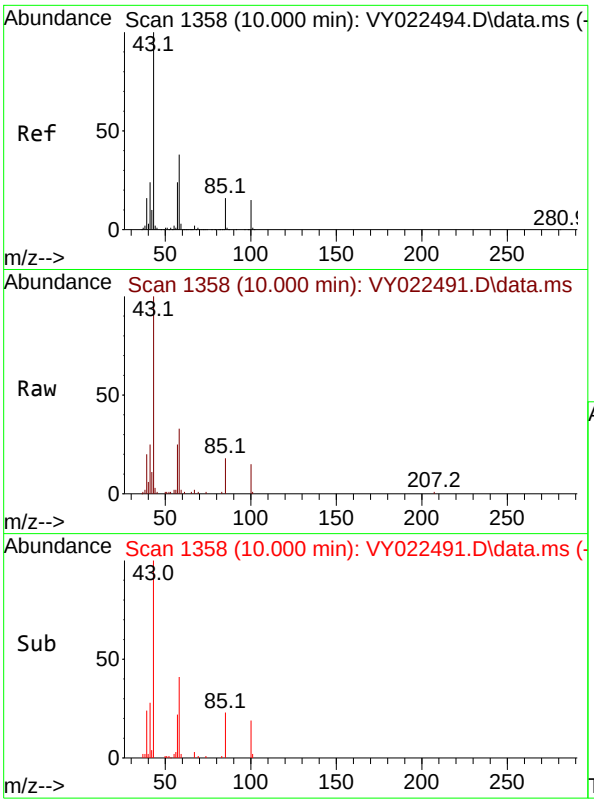


#50
Toluene-d8
Concen: 4.482 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 98 Resp: 37729

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0



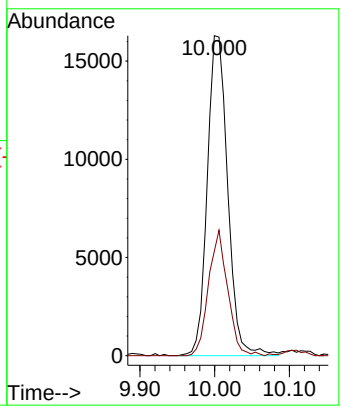


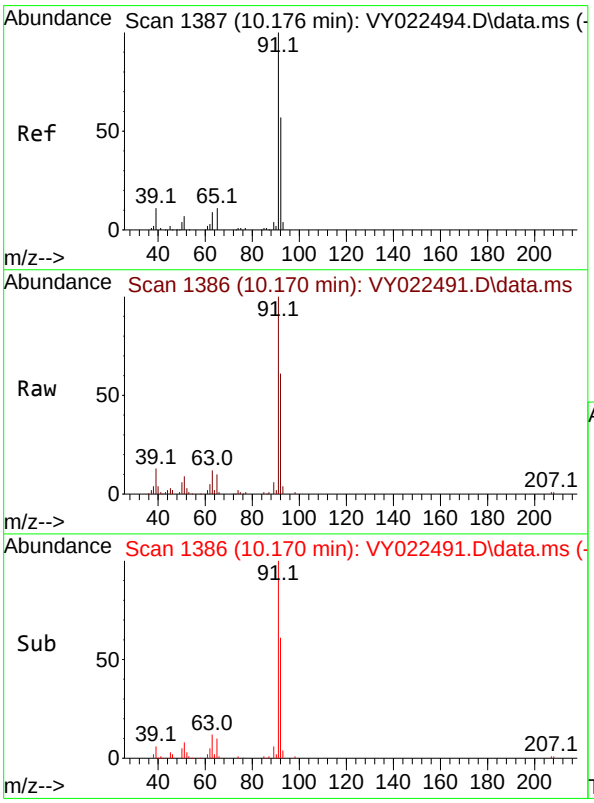
#51
4-Methyl-2-Pentanone
Concen: 19.273 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 30969

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.4	45.6

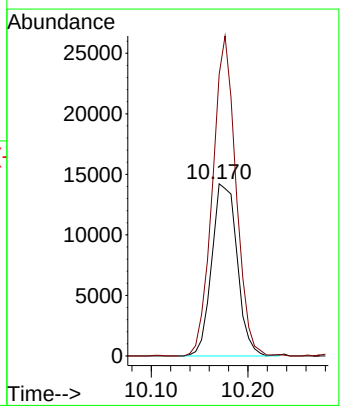


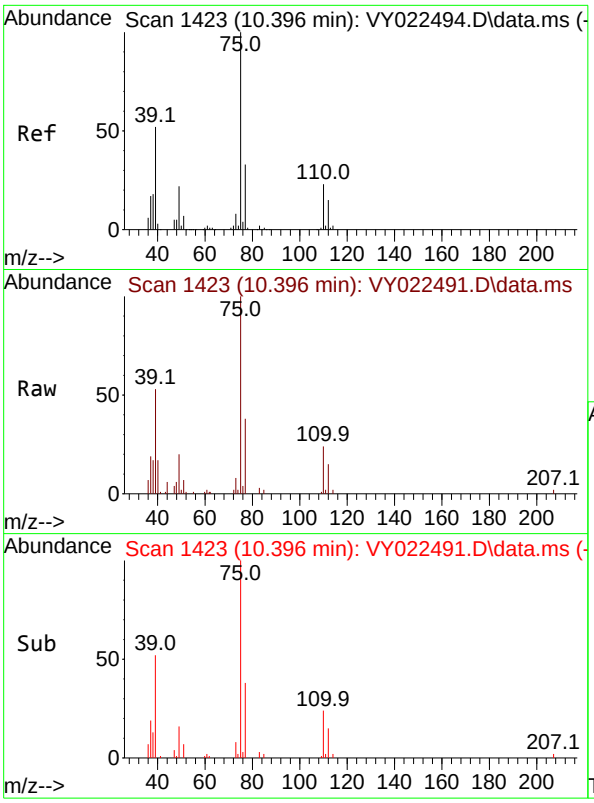


#52
Toluene
Concen: 4.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 92 Resp: 25893

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.0	208.4



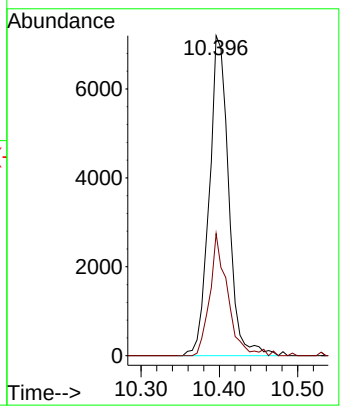


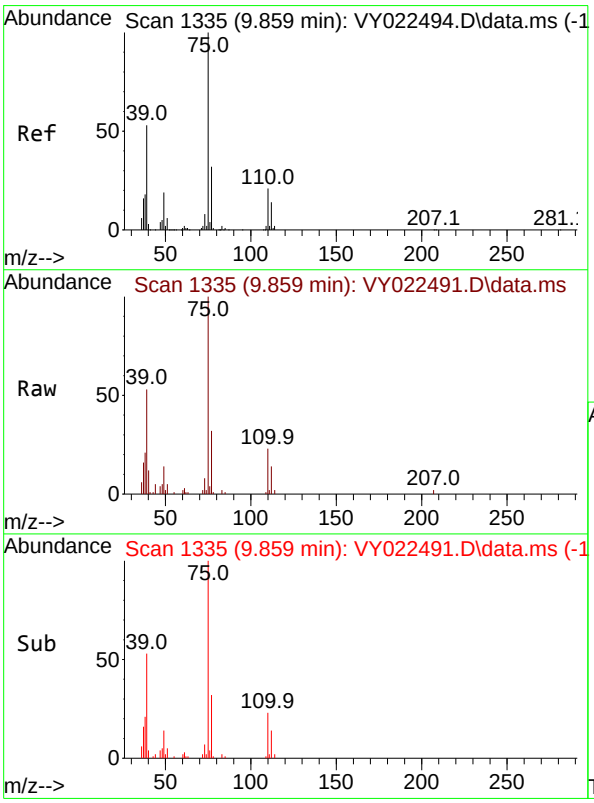
#53
t-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 12388

Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.5	39.7

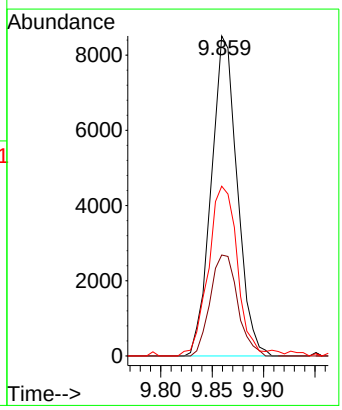


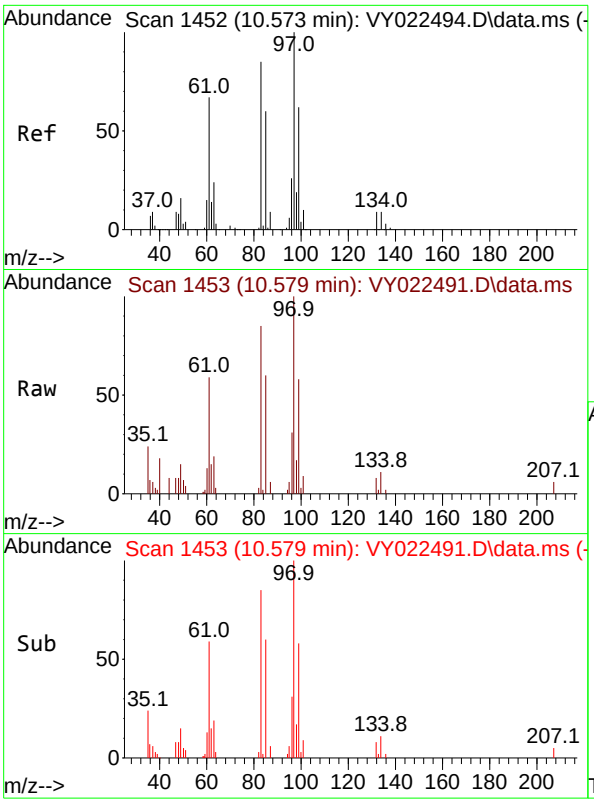


#54
cis-1,3-Dichloropropene
Concen: 4.103 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14966

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	53.0	42.7	64.1



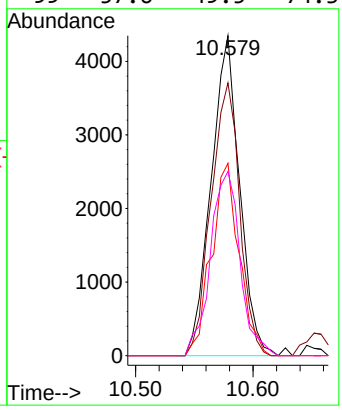


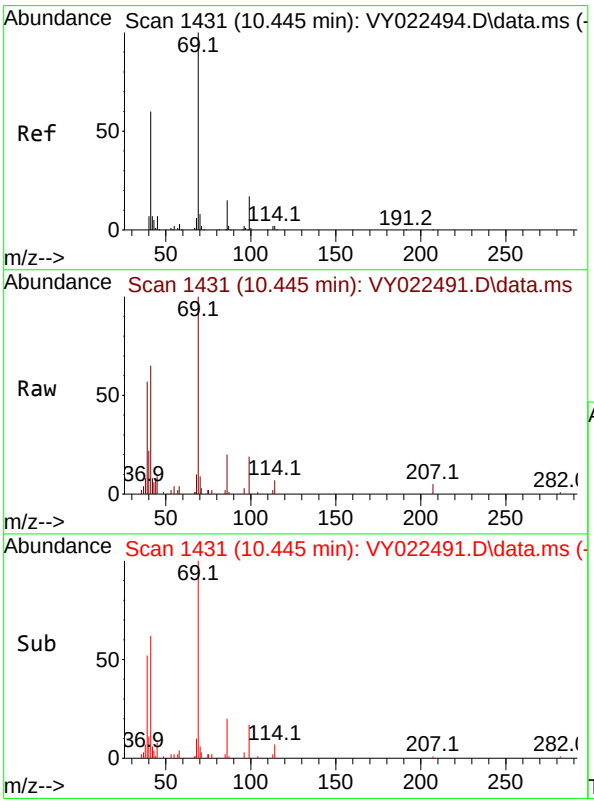
#55
1,1,2-Trichloroethane
Concen: 4.385 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 7318

Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	60.1	48.2	72.2
99	57.6	49.5	74.3

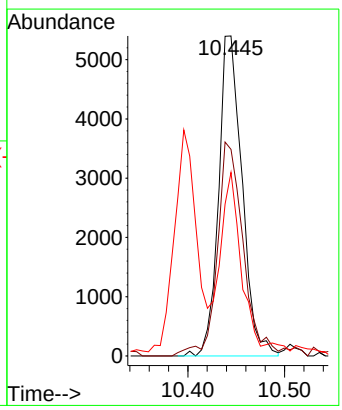


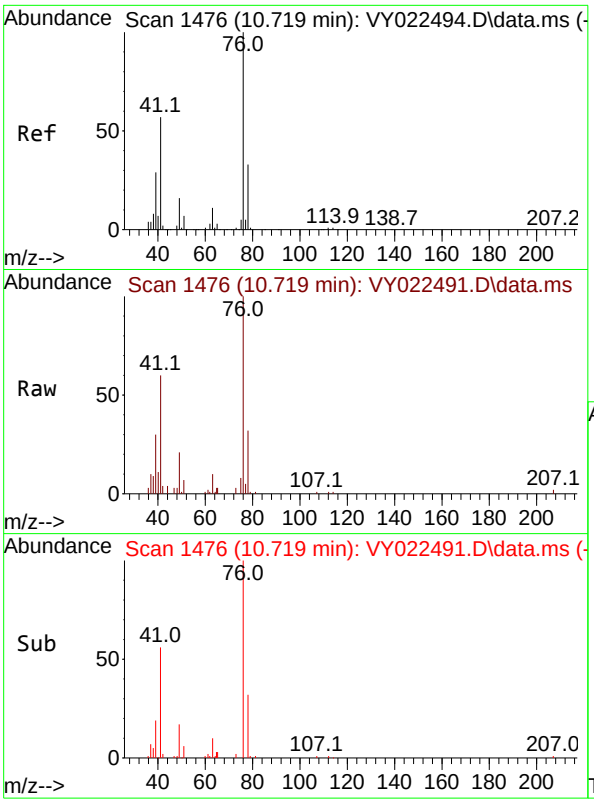


#56
Ethyl methacrylate
Concen: 3.751 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 69 Resp: 9092

Ion	Ratio	Lower	Upper
69	100		
41	73.4	52.2	78.2
39	46.3	36.7	55.1



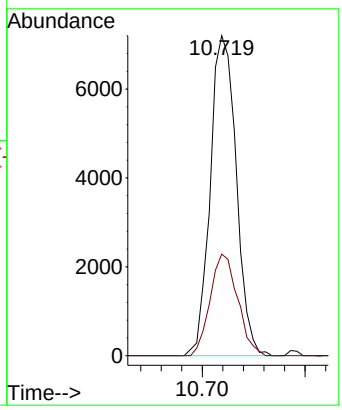


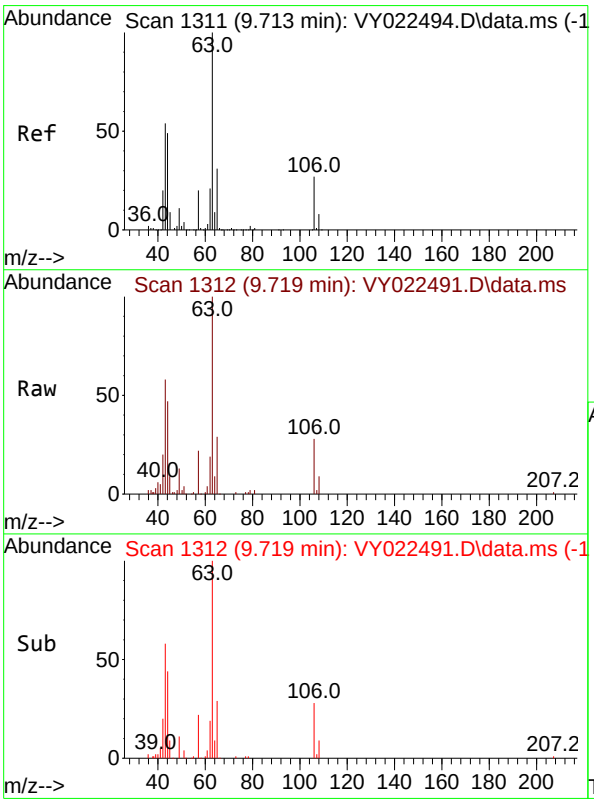
#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12648

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.8	38.8

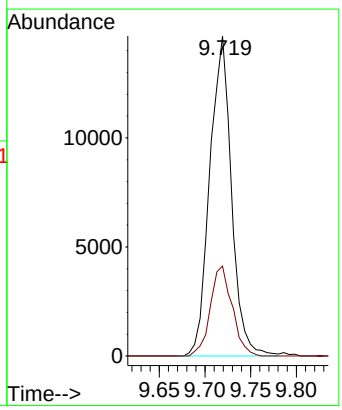


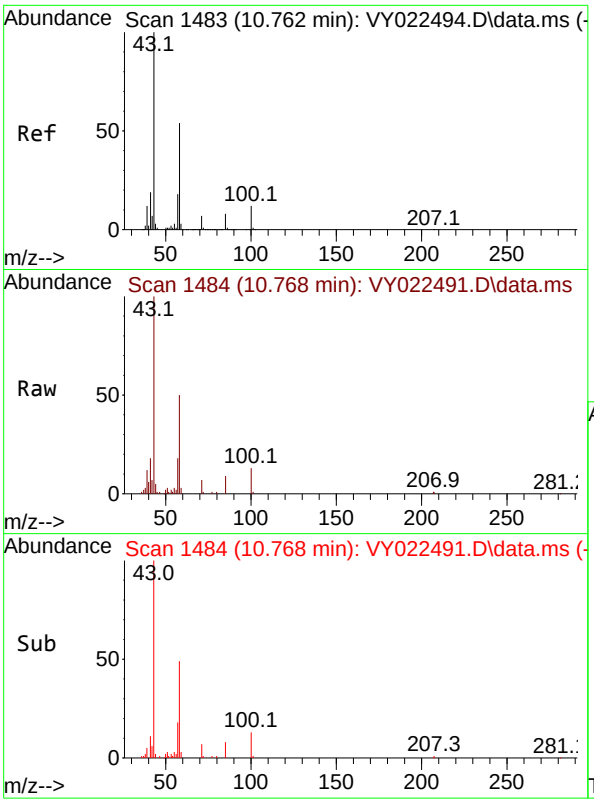


#58
2-Chloroethyl Vinyl ether
Concen: 22.409 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 24214

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.6	32.4



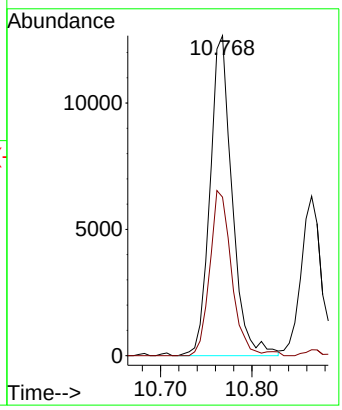


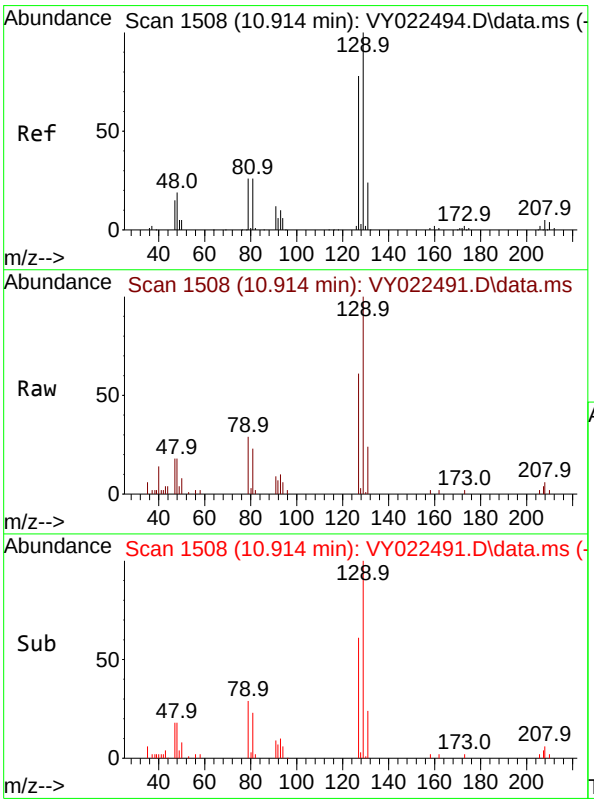
#59
2-Hexanone
Concen: 19.832 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 21243

Ion	Ratio	Lower	Upper
43	100		
58	50.4	27.3	81.8

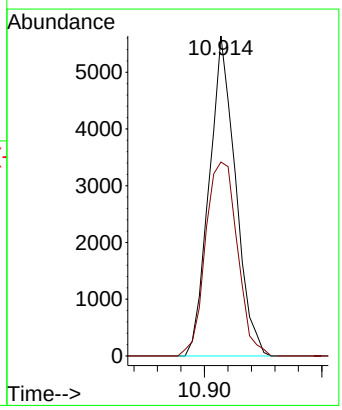


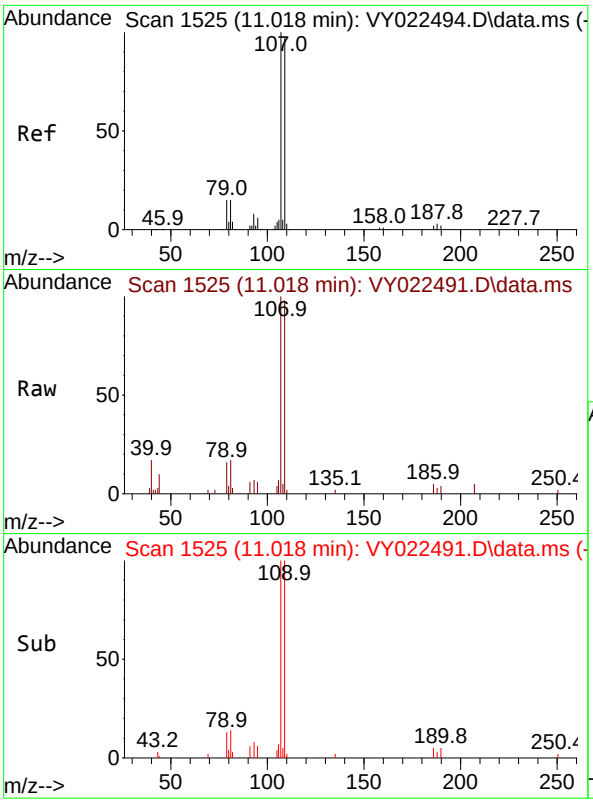


#60
Dibromochloromethane
Concen: 4.152 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:129 Resp: 8781

Ion	Ratio	Lower	Upper
129	100		
127	73.3	39.1	117.2



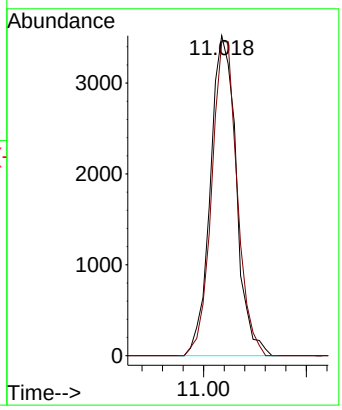


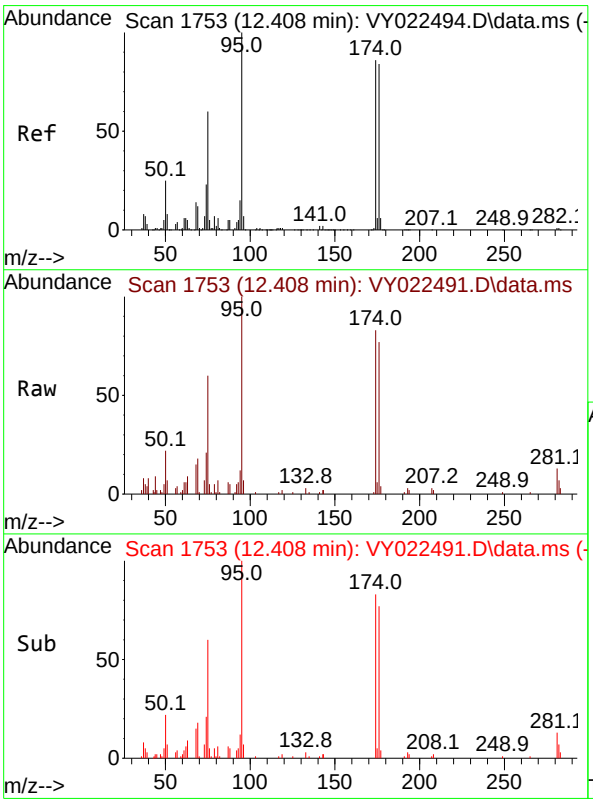
#61
1,2-Dibromoethane
Concen: 3.991 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6146

Ion	Ratio	Lower	Upper
107	100		
109	96.8	77.7	116.5

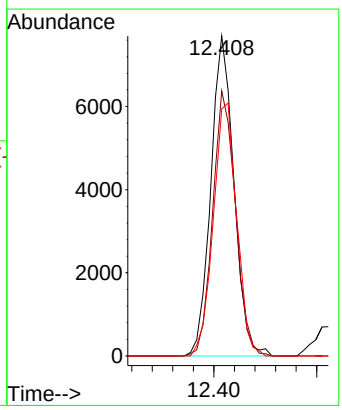


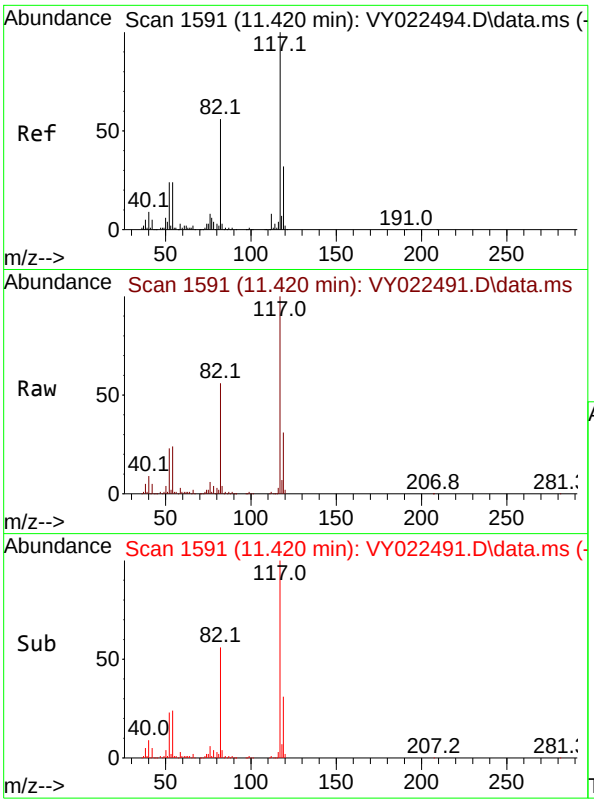


#62
4-Bromofluorobenzene
Concen: 4.697 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 95 Resp: 11988

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.0
176	80.2	0.0	166.2



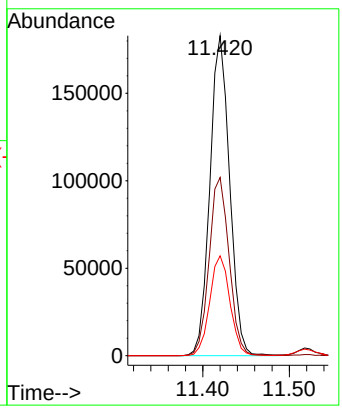


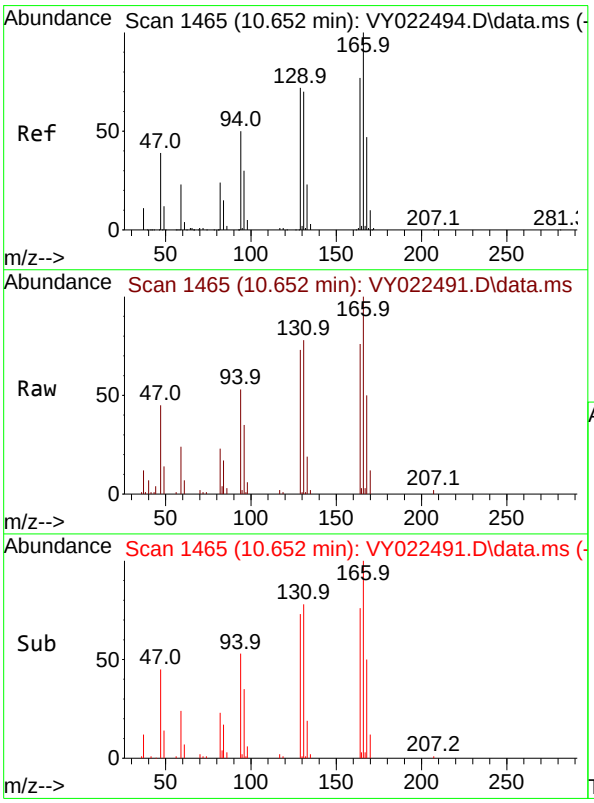
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 289394

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.2	25.4	38.0

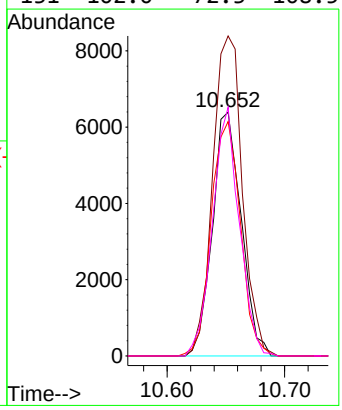


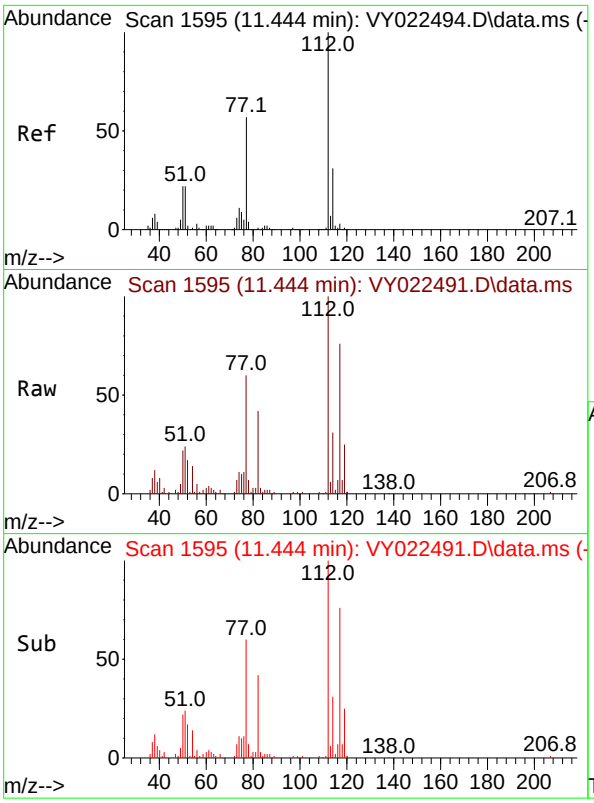


#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:164 Resp: 10863

Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.0	156.0
129	96.1	74.5	111.7
131	102.0	72.3	108.5



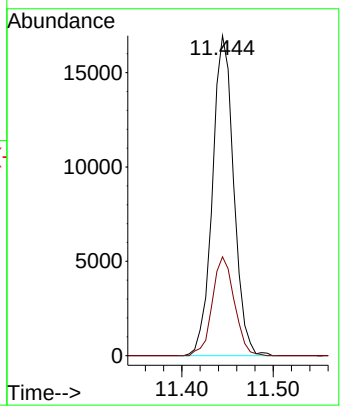


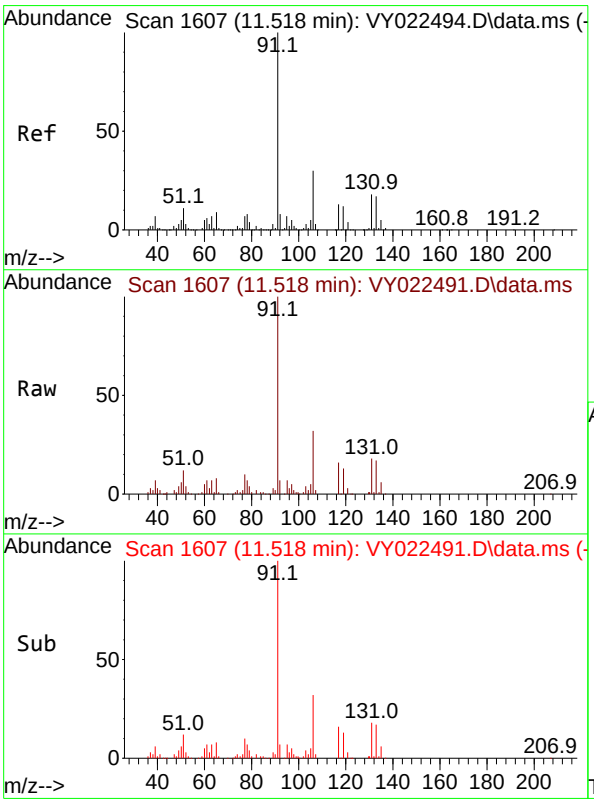
#65
Chlorobenzene
Concen: 4.377 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 27467

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

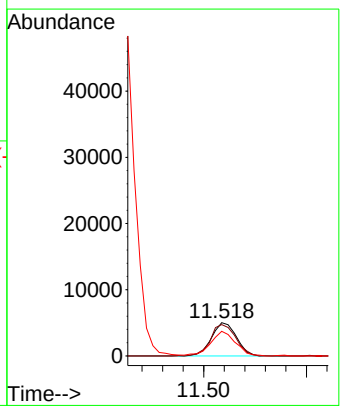


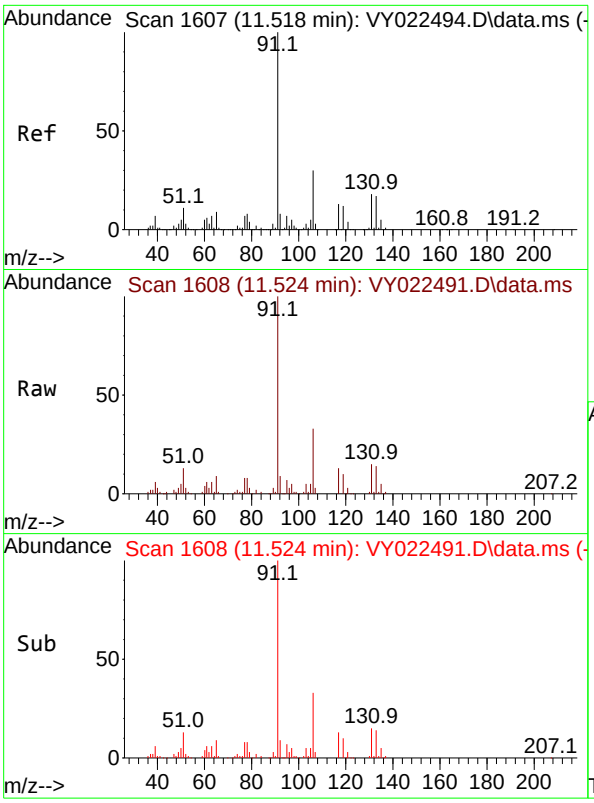


#66
1,1,1,2-Tetrachloroethane
Concen: 3.959 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:131 Resp: 8422

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.8
119	74.3	33.1	99.3



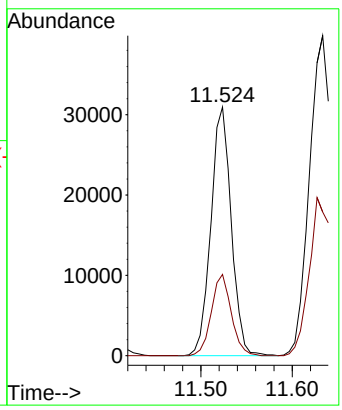


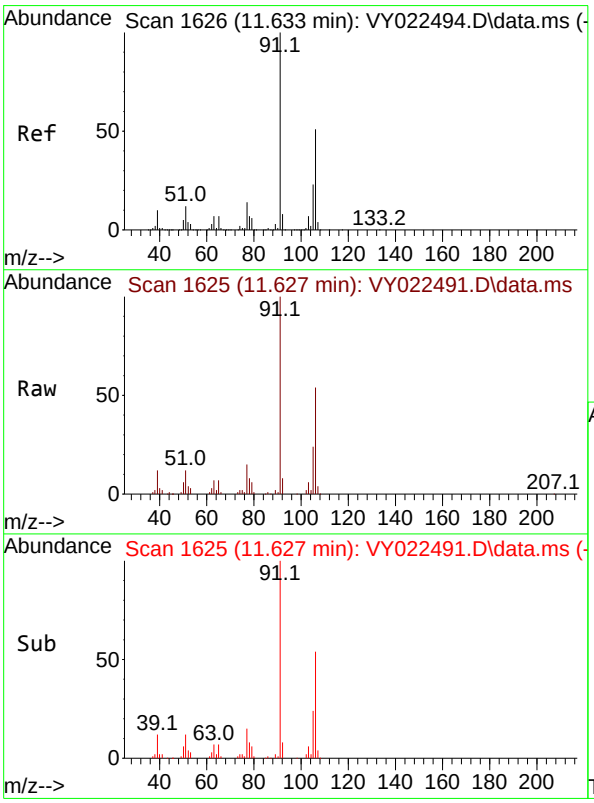
#67
Ethyl Benzene
Concen: 4.098 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47883

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.4

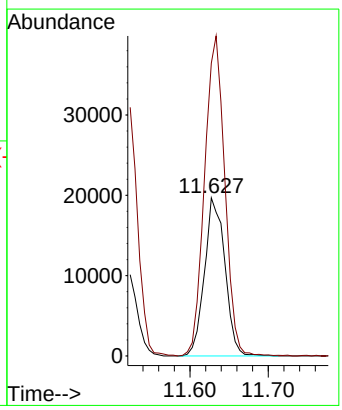


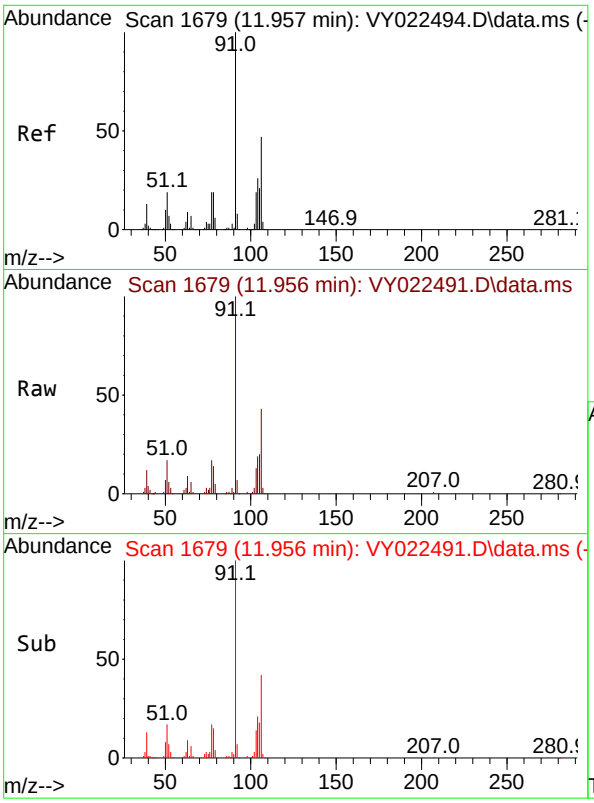


#68
m/p-Xylenes
Concen: 8.060 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 35645

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0



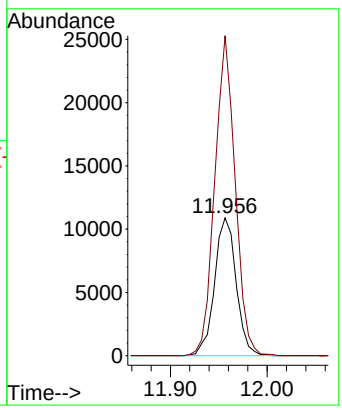


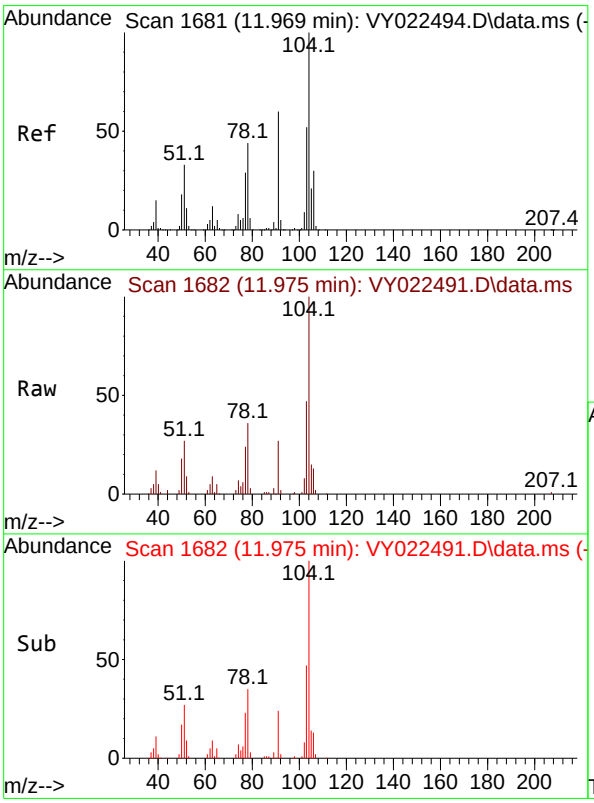
#69
o-Xylene
Concen: 4.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 16866

Ion	Ratio	Lower	Upper
106	100		
91	219.4	105.8	317.3

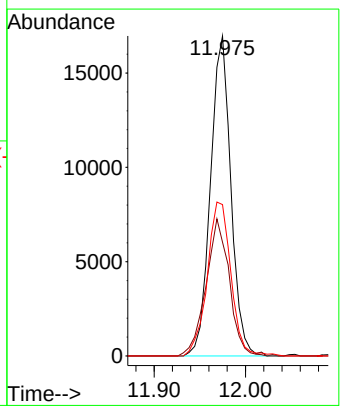


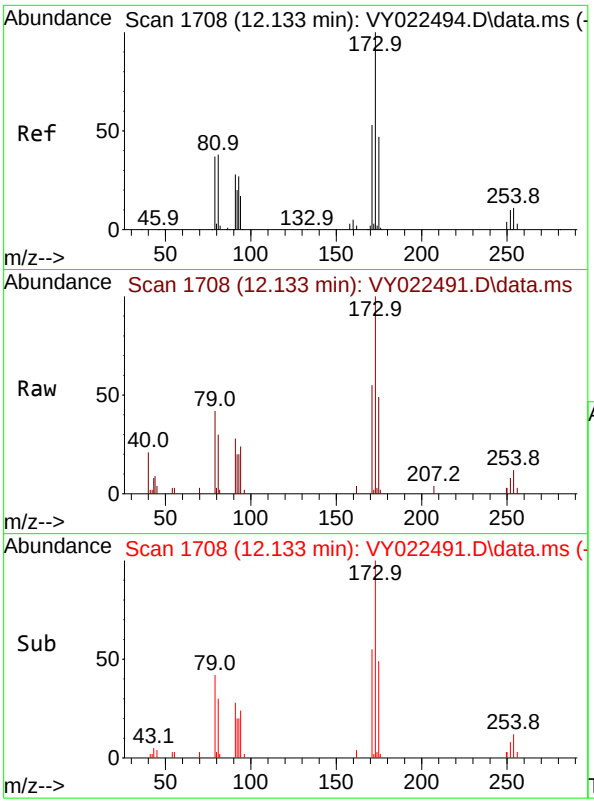


#70
Styrene
Concen: 3.840 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:104 Resp: 26313

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	55.8	44.1	66.1



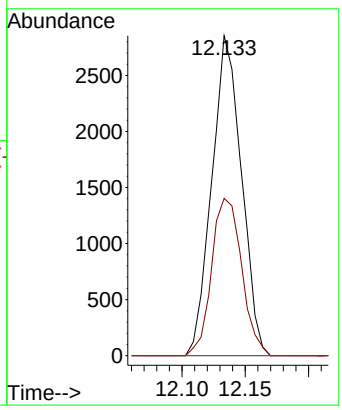


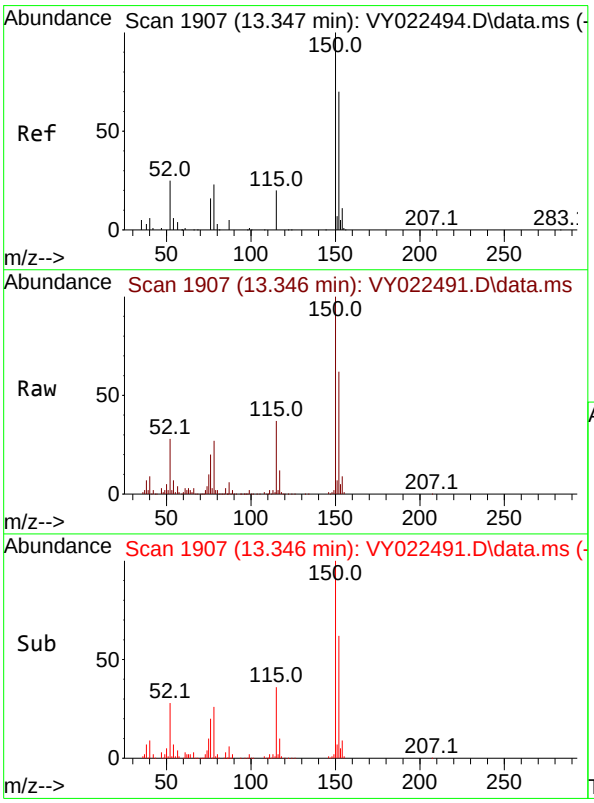
#71
Bromoform
Concen: 4.159 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4649

Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.8	71.5
254	0.0	0.0	0.0

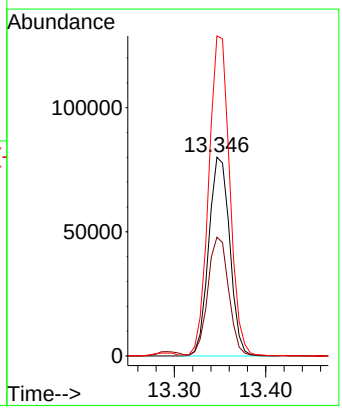


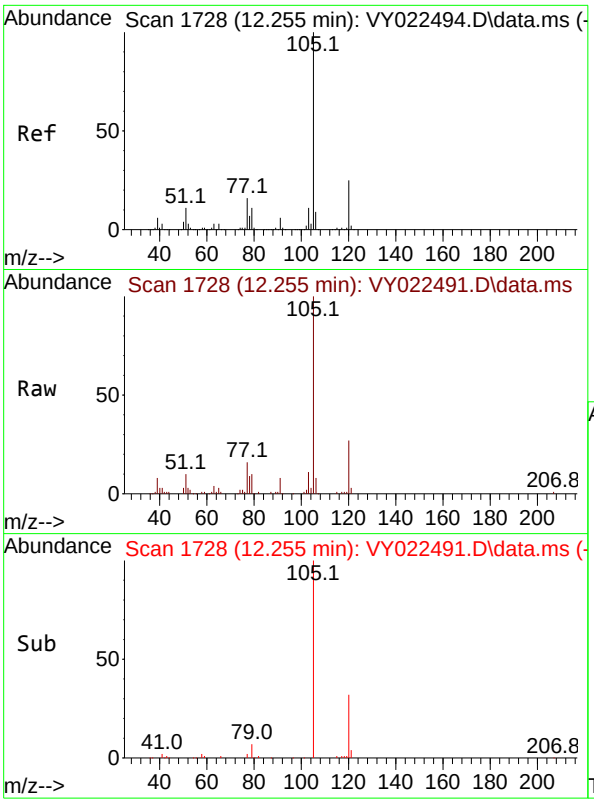


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:152 Resp: 127807

Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.9	86.7
150	160.5	0.0	349.6



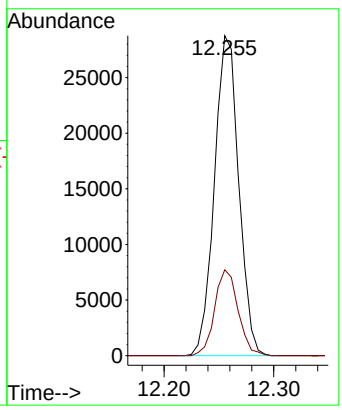


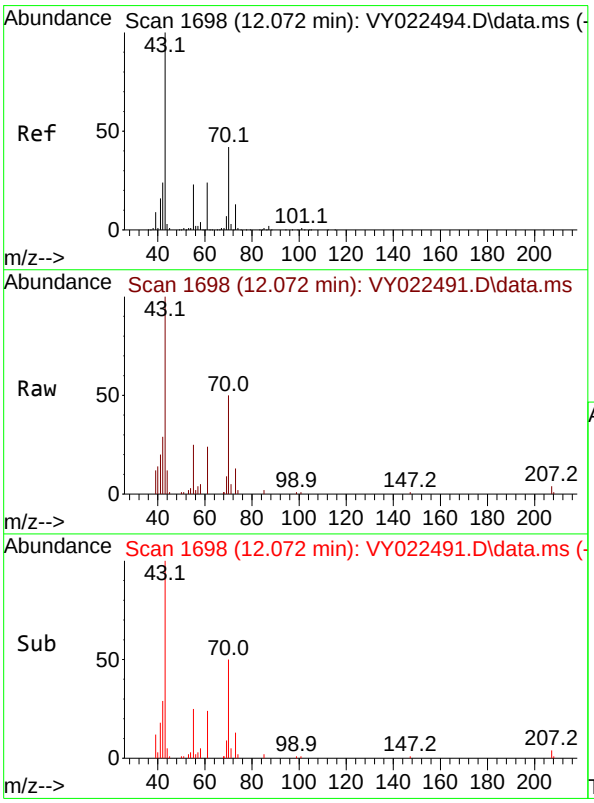
#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 44350

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

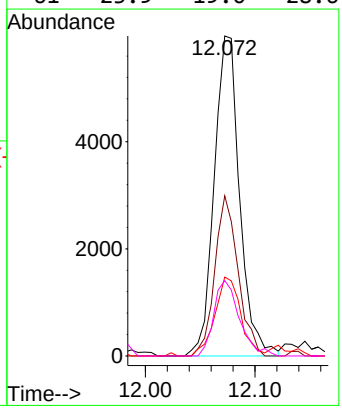


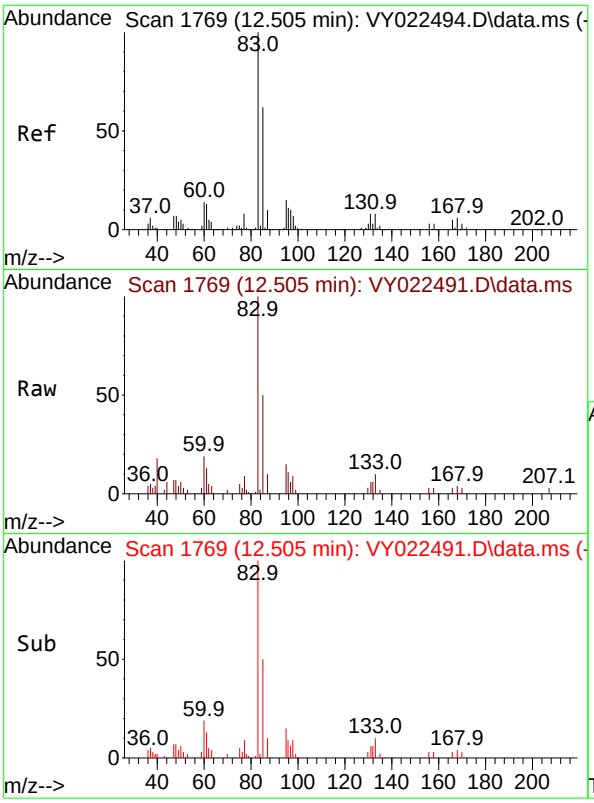


#74
N-amyl acetate
Concen: 3.699 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9632

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.2	51.2
55	25.1	18.2	27.4
61	23.9	19.0	28.6



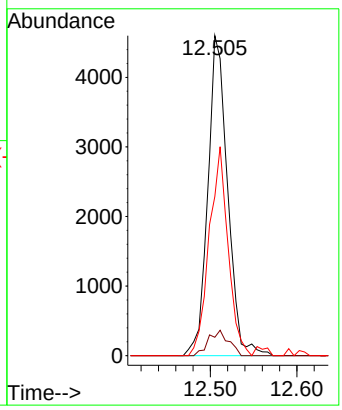


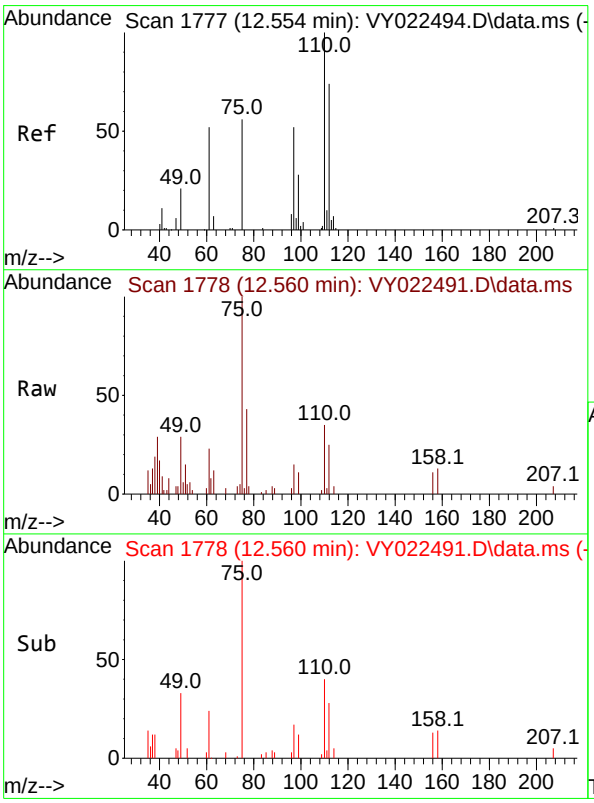
#75
1,1,2,2-Tetrachloroethane
Concen: 4.359 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 7289

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.9	14.7
85	62.4	32.6	97.8

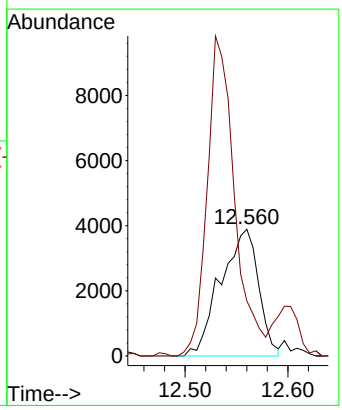


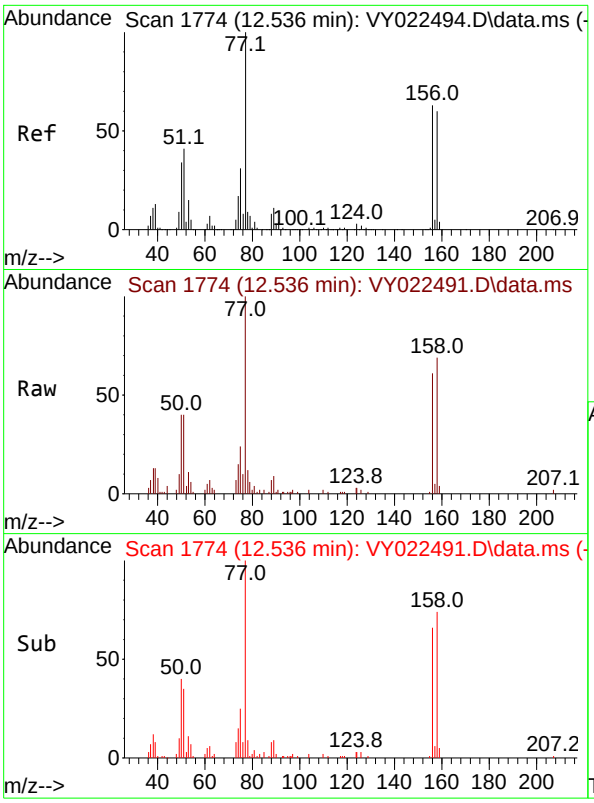


#76
1,2,3-Trichloropropane
Concen: 5.920 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 9988

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



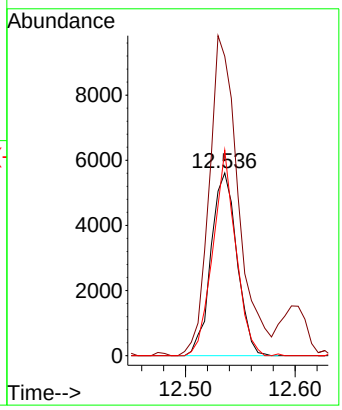


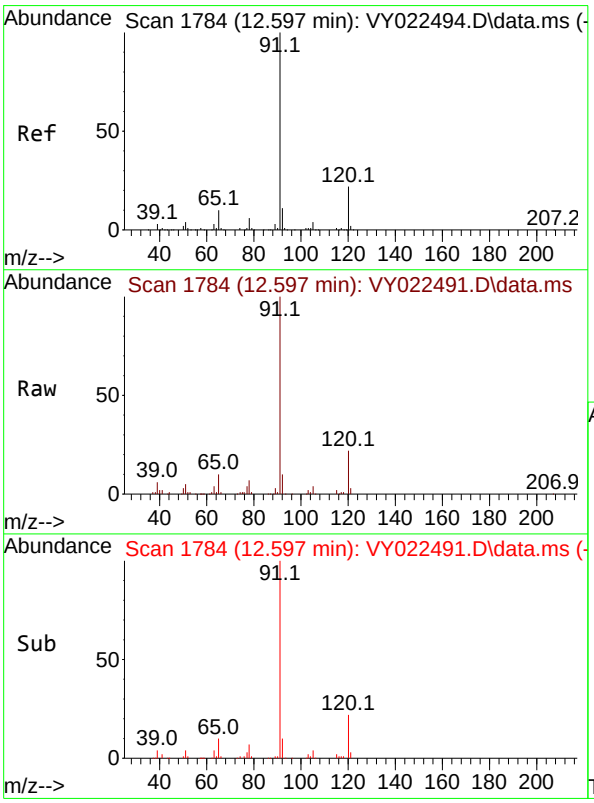
#77
Bromobenzene
Concen: 4.234 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 9241

Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6

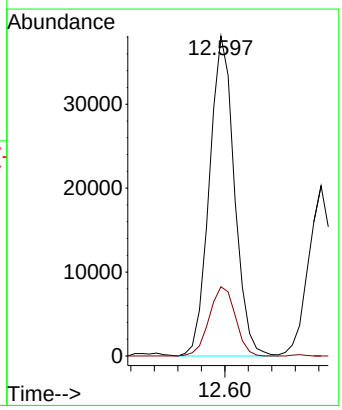


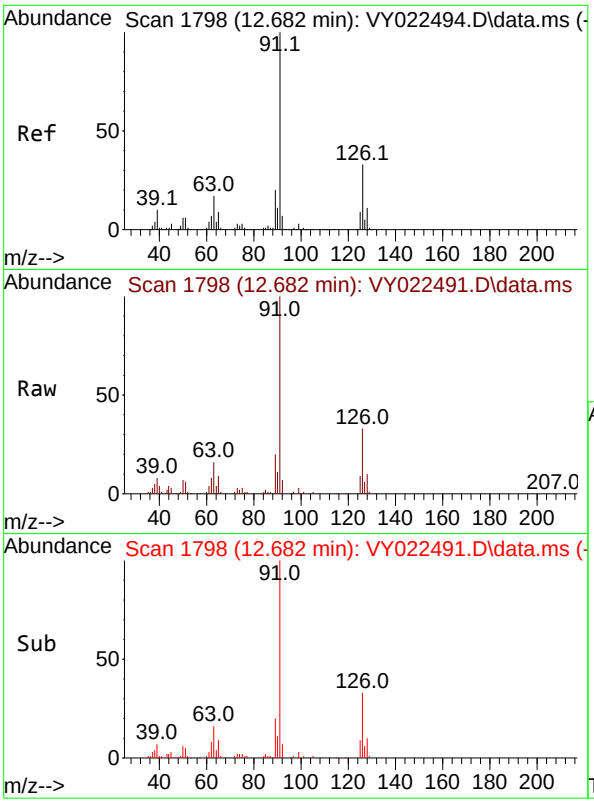


#78
n-propylbenzene
Concen: 4.511 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 56543

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4



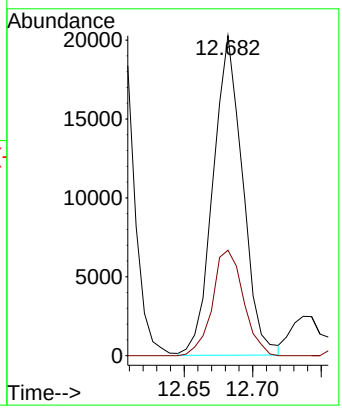


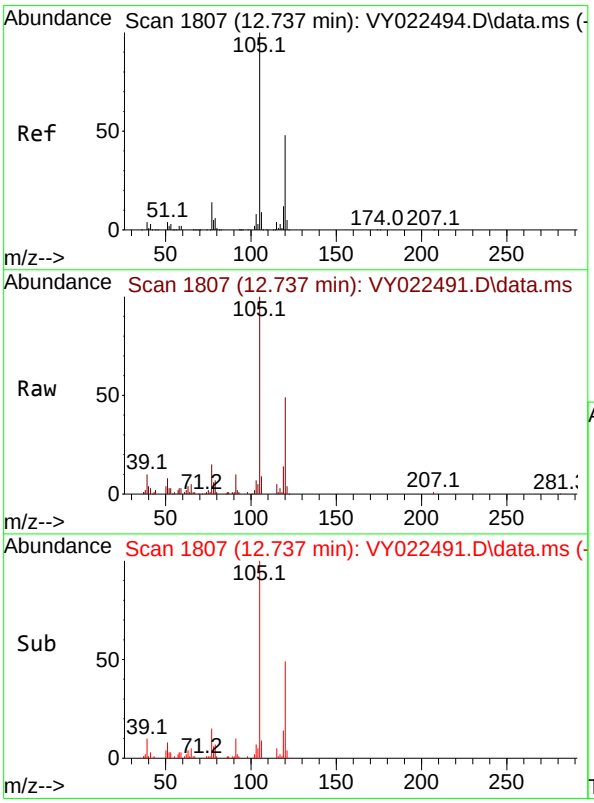
#79
2-Chlorotoluene
Concen: 4.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30387

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

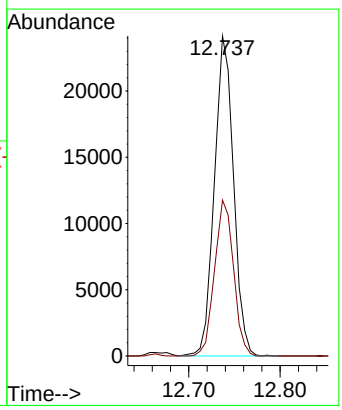


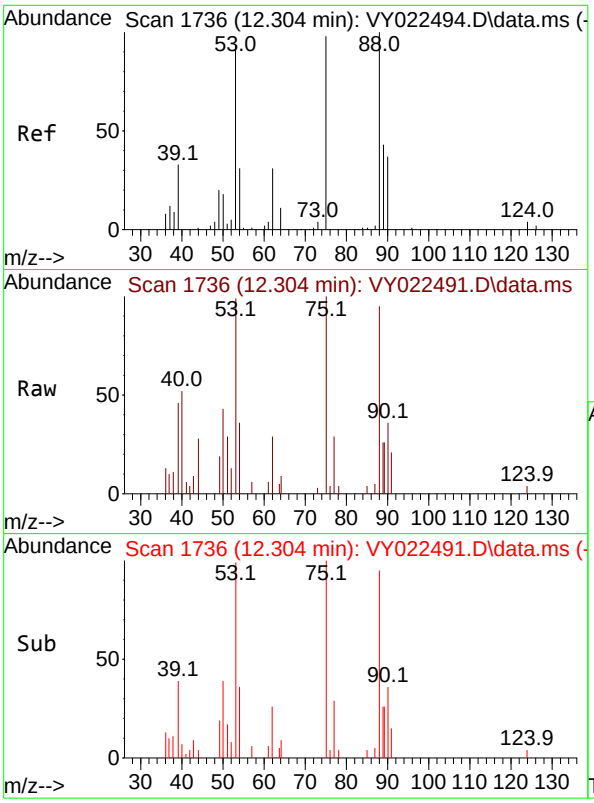


#80
1,3,5-Trimethylbenzene
Concen: 4.362 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 35122

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4



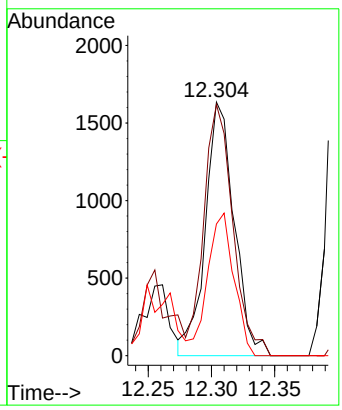


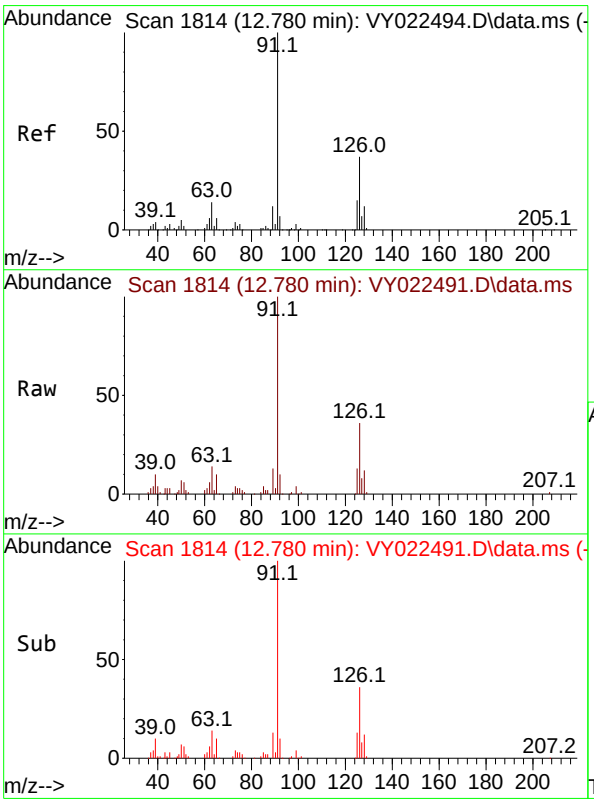
#81
trans-1,4-Dichloro-2-butene
Concen: 4.411 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2596

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.5	117.7
89	51.7	35.7	53.5

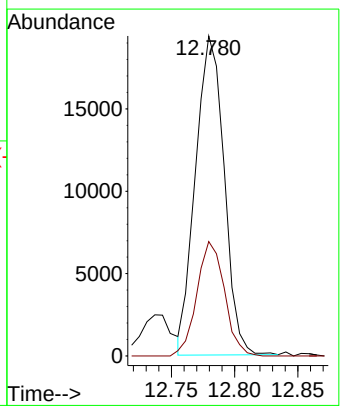


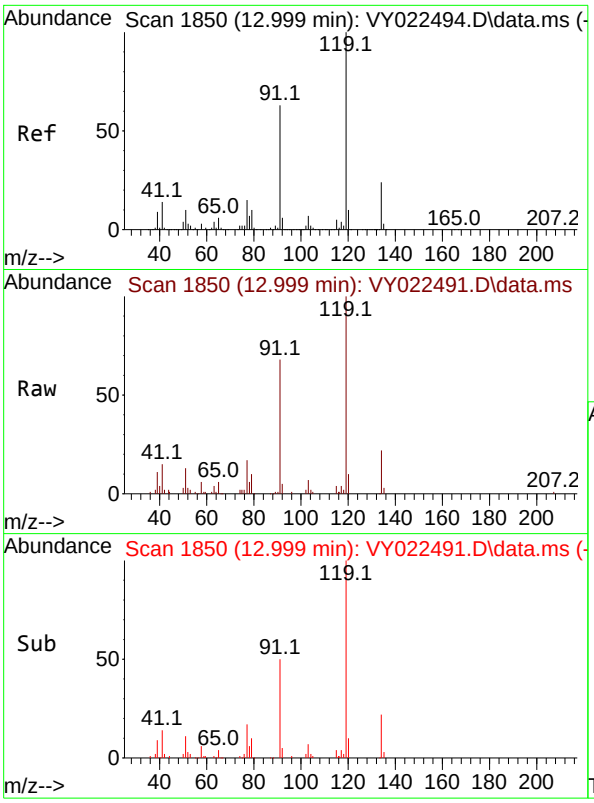


#82
4-Chlorotoluene
Concen: 4.447 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 30501

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9



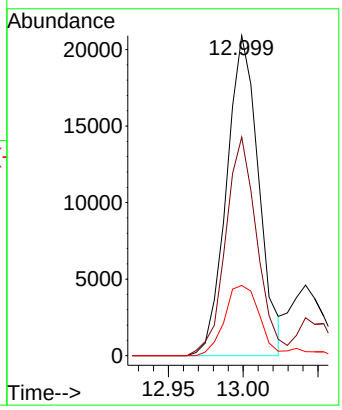


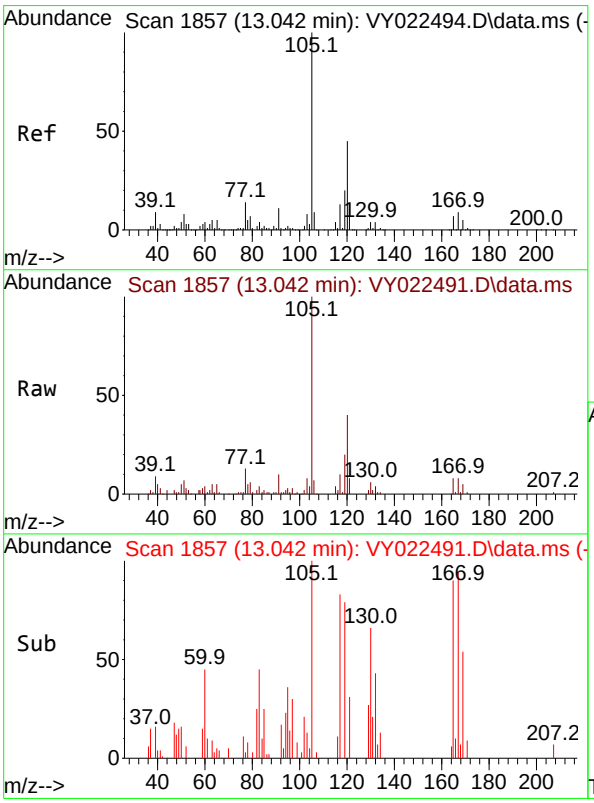
#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 31232

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.1	96.3
134	23.9	13.0	38.9

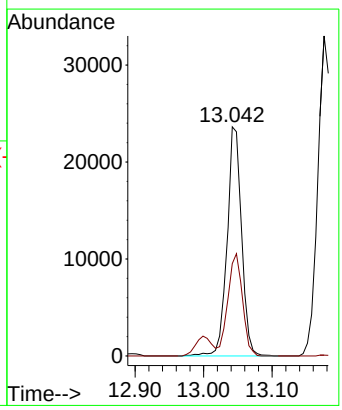


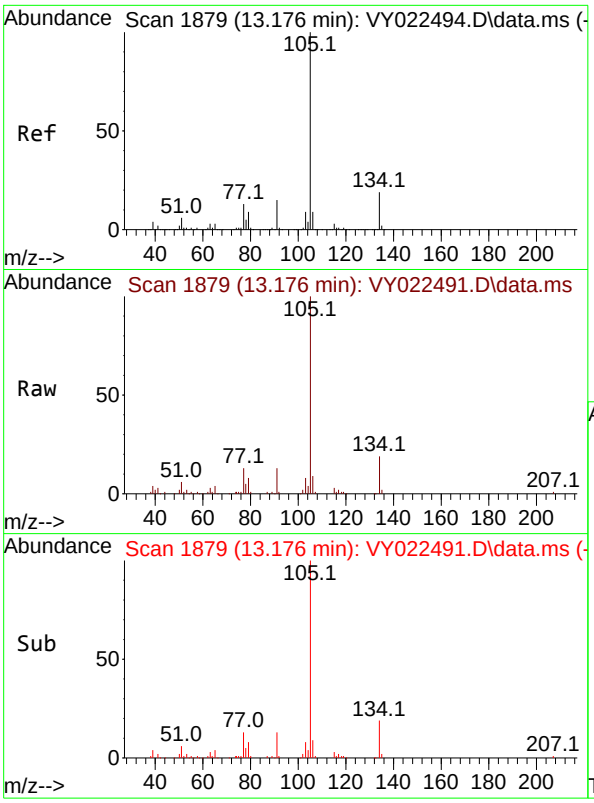


#84
1,2,4-Trimethylbenzene
Concen: 4.314 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 34752

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1



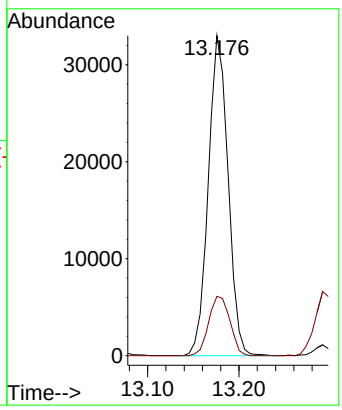


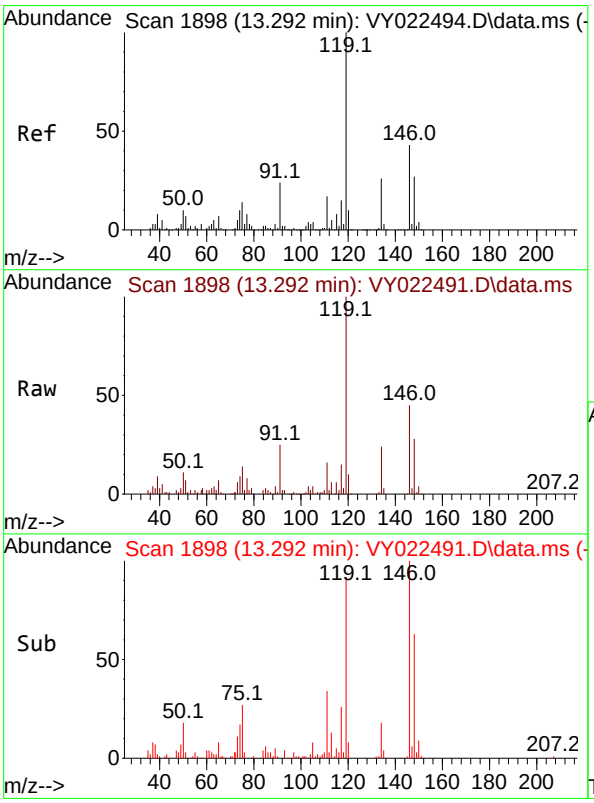
#85
sec-Butylbenzene
Concen: 4.449 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 49546

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9

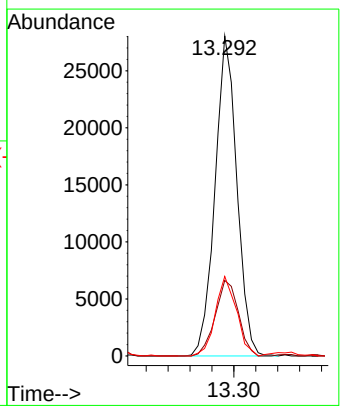


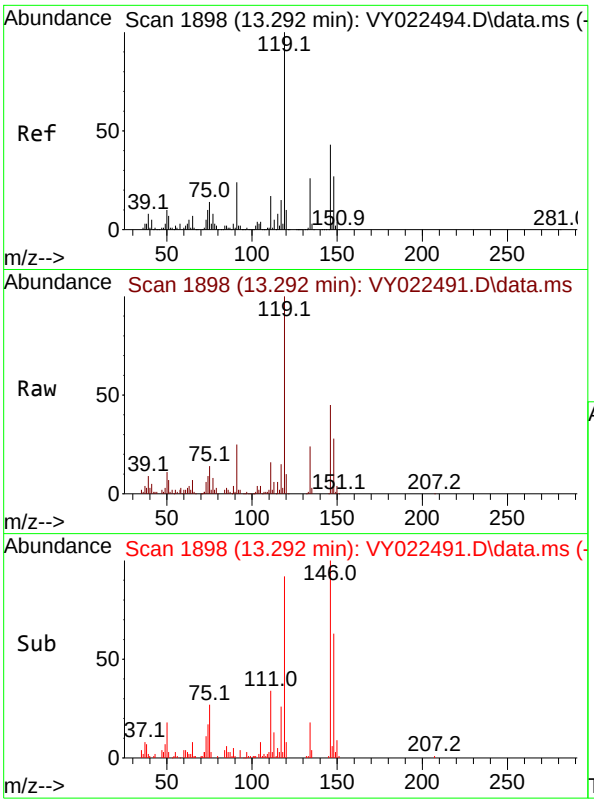


#86
p-Isopropyltoluene
Concen: 4.240 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 38822

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.1
91	24.2	11.6	34.8



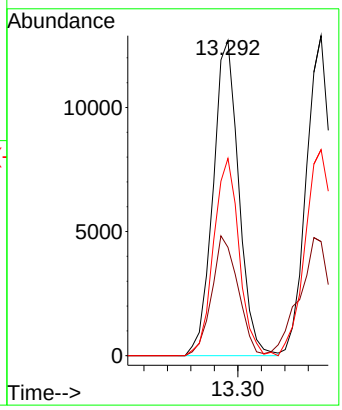


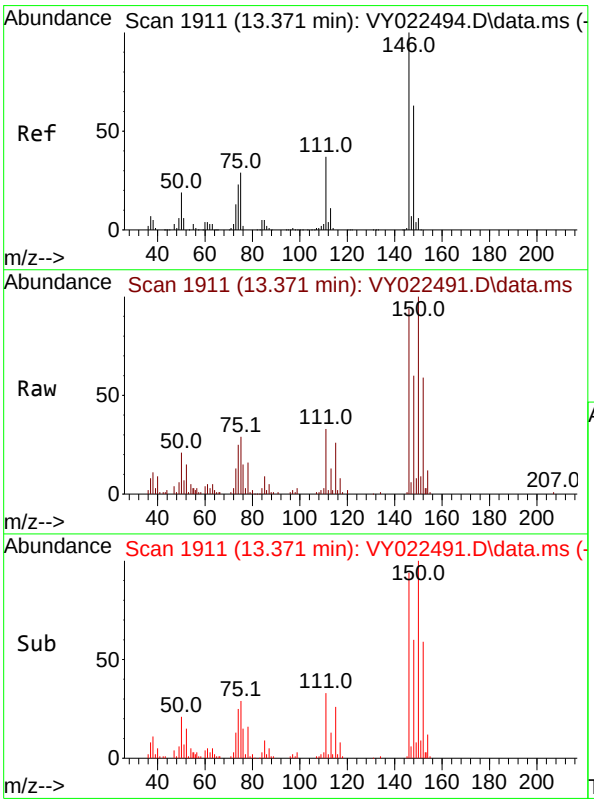
#87
1,3-Dichlorobenzene
Concen: 4.431 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 19350

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	61.9	32.1	96.3

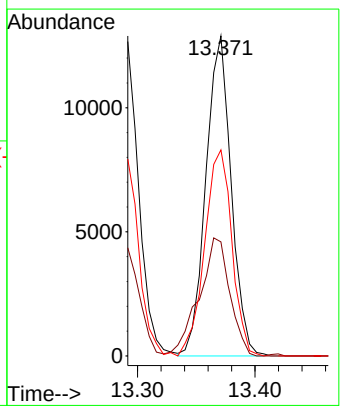


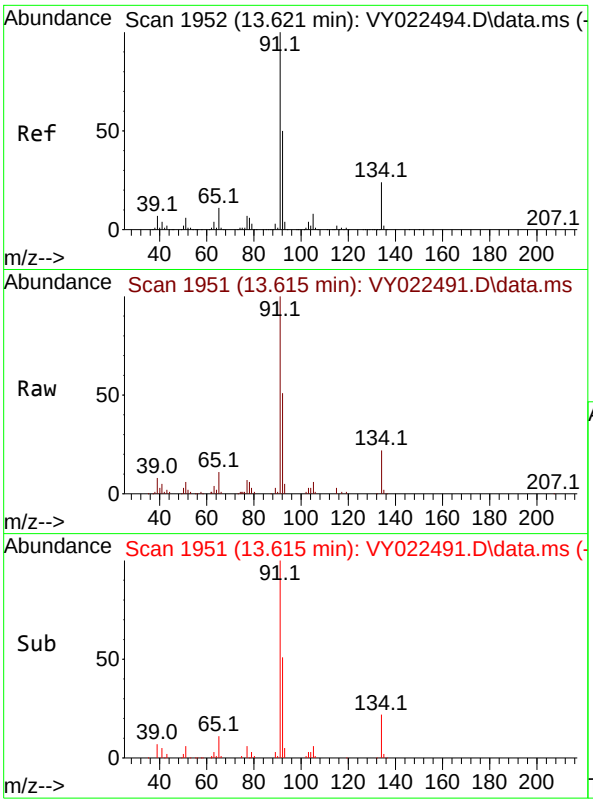


#88
1,4-Dichlorobenzene
Concen: 4.529 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 19268

Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.4	58.2
148	69.5	31.6	94.8



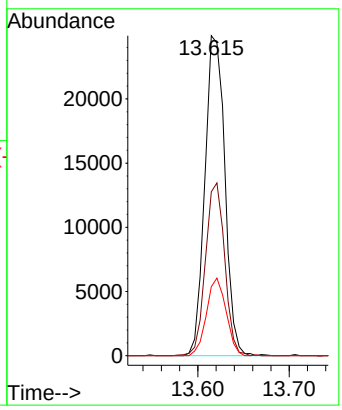


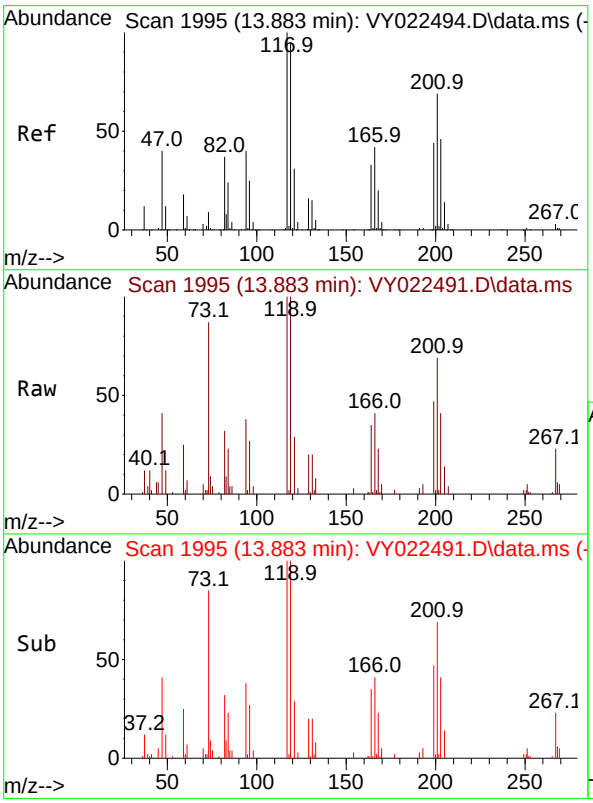
#89
n-Butylbenzene
Concen: 4.333 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 37774

Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	23.8	12.0	36.1

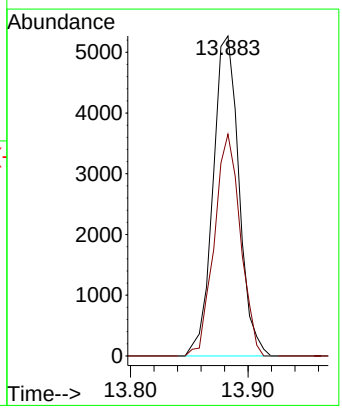


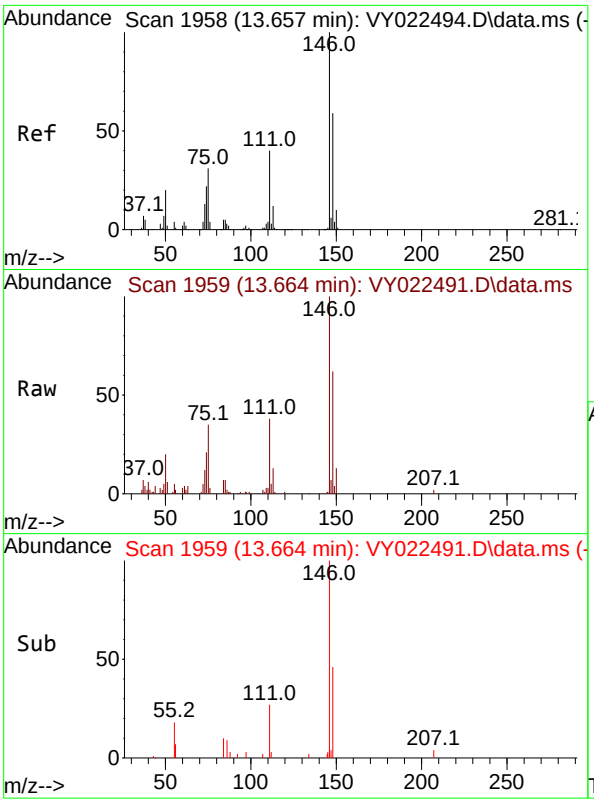


#90
Hexachloroethane
Concen: 4.506 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 8072

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.0	102.0



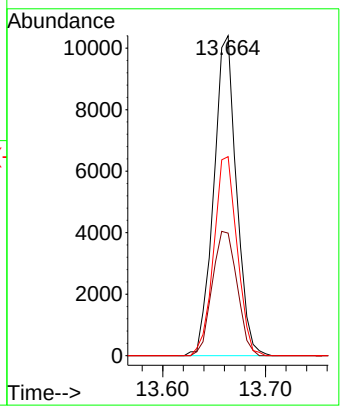


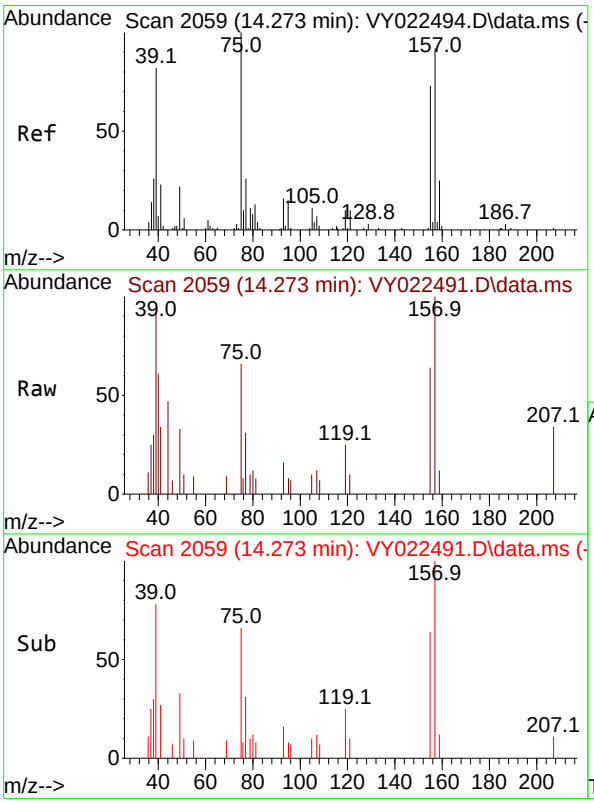
#91
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15922

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.6
148	64.0	31.4	94.0

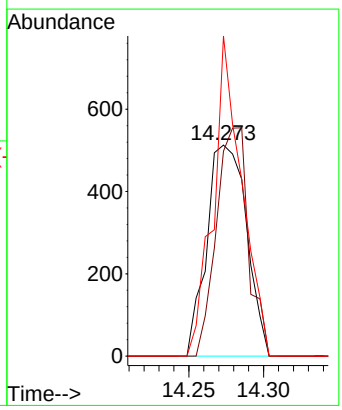


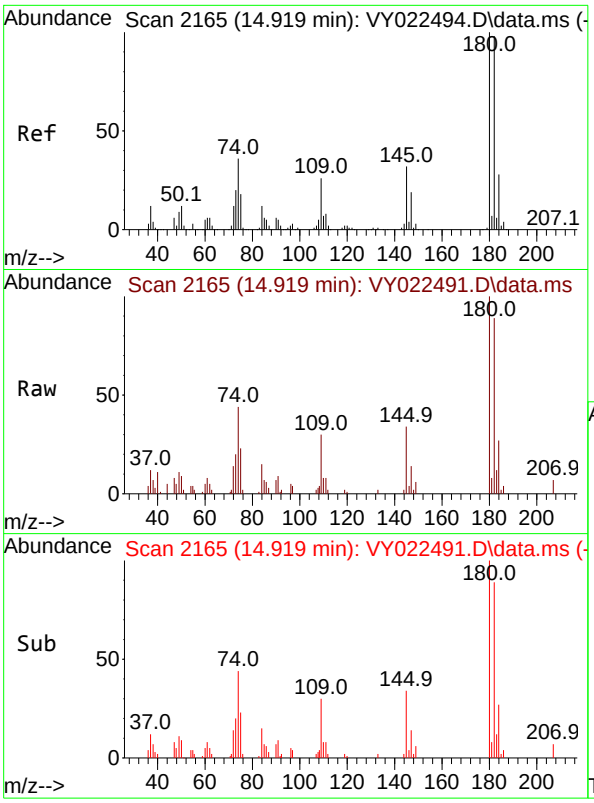


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 949

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	109.5	54.0	162.0



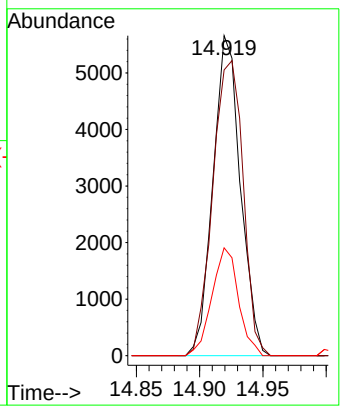


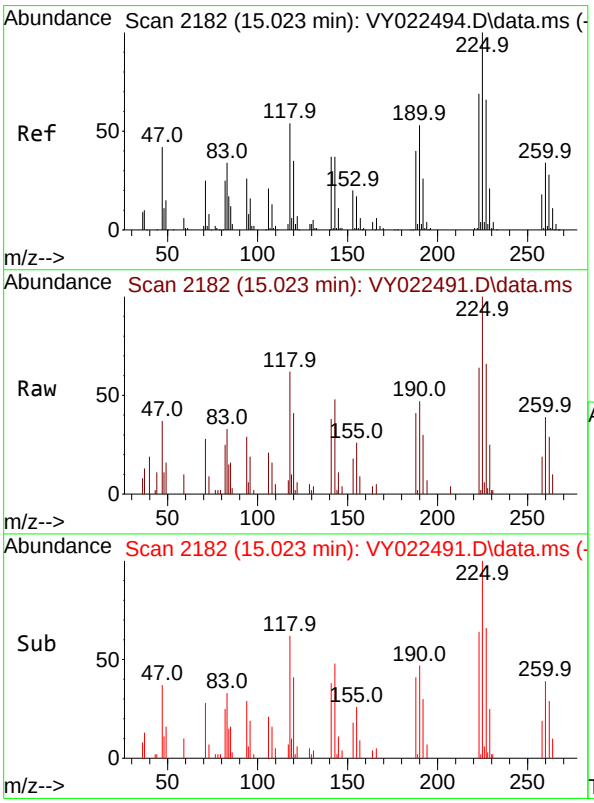
#93
1,2,4-Trichlorobenzene
Concen: 4.159 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 8529

Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.4	145.3
145	32.6	15.5	46.5

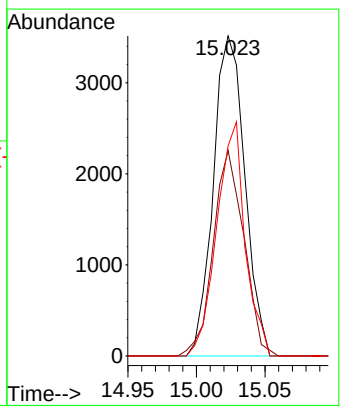


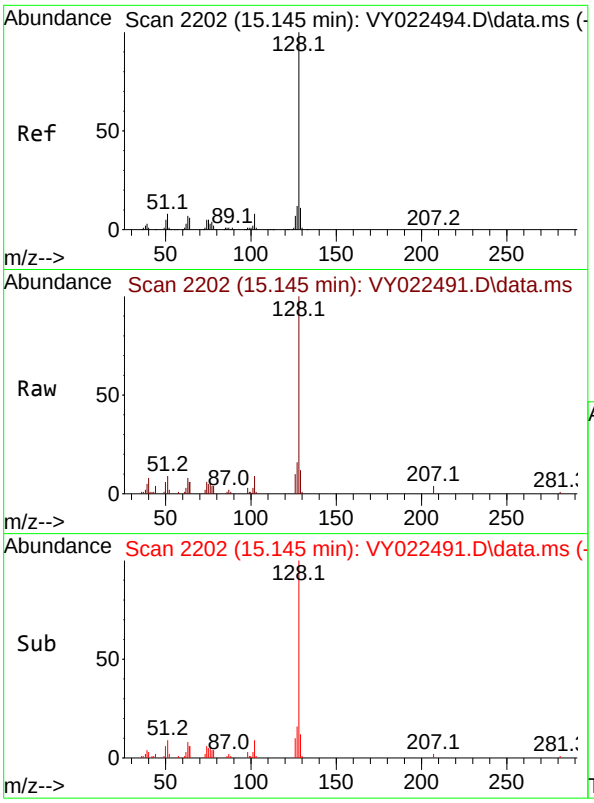


#94
Hexachlorobutadiene
Concen: 5.024 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:225 Resp: 5627

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.5	97.4
227	65.6	32.3	96.9



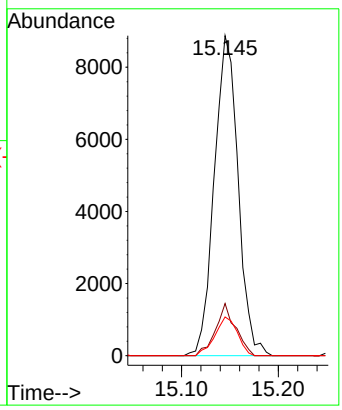


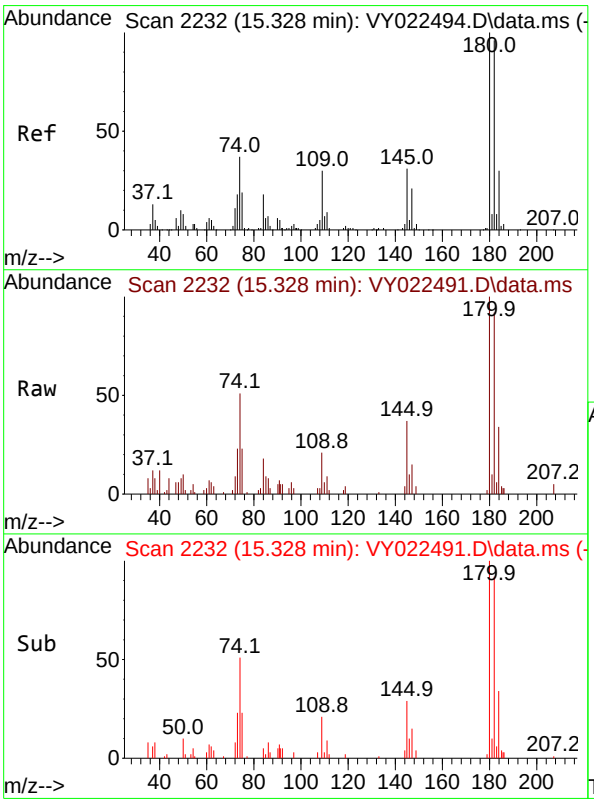
#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 15167

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.4	8.9	13.3

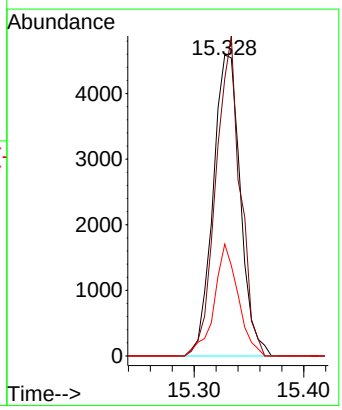




#96
1,2,3-Trichlorobenzene
Concen: 4.563 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 7952

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	32.5	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.268	41	24283	24.573	ug/l	#	34
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	27698	15.277	ug/l	#	100
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

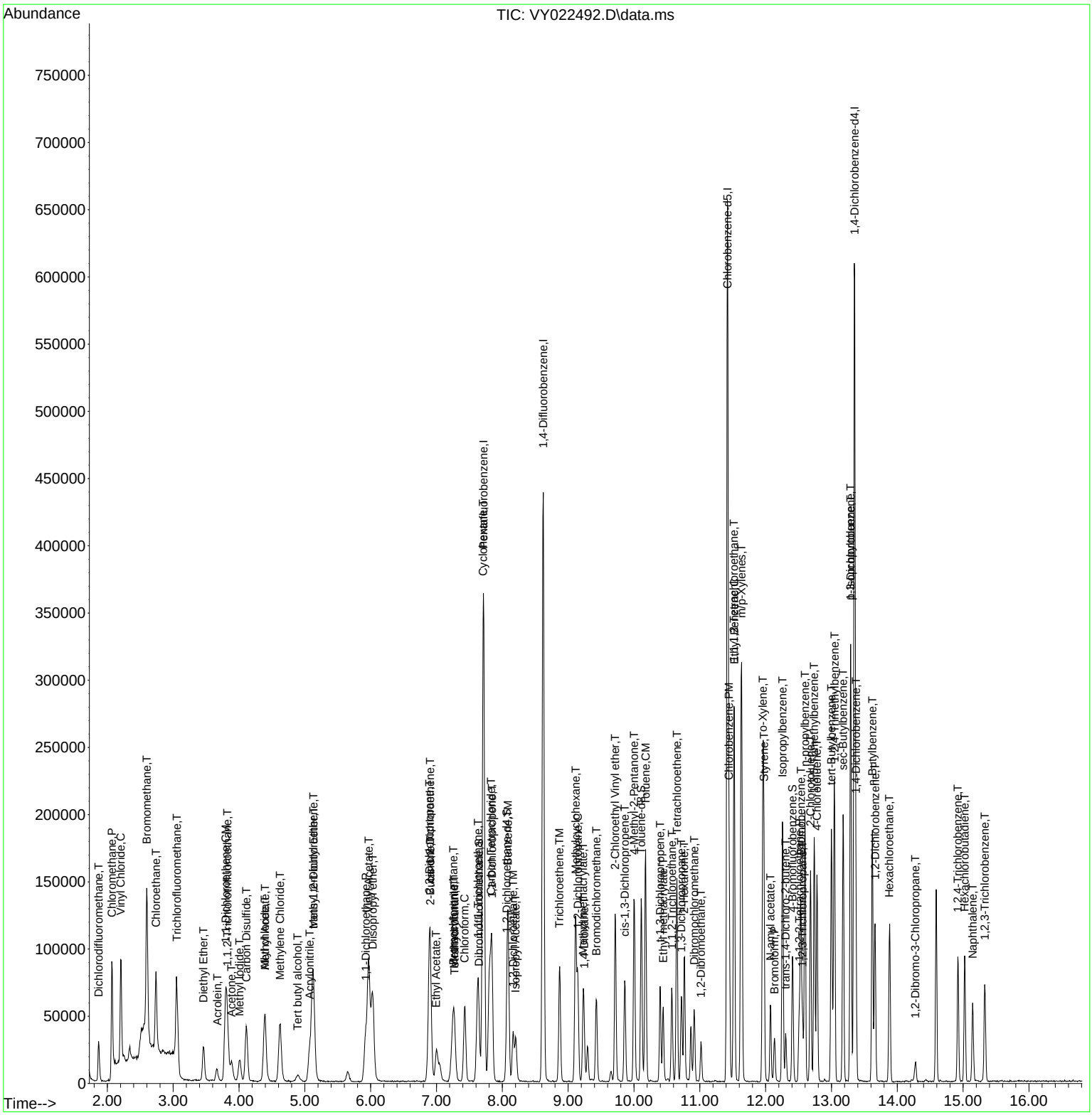
(#) = qualifier out of range (m) = manual integration (+) = signals summed

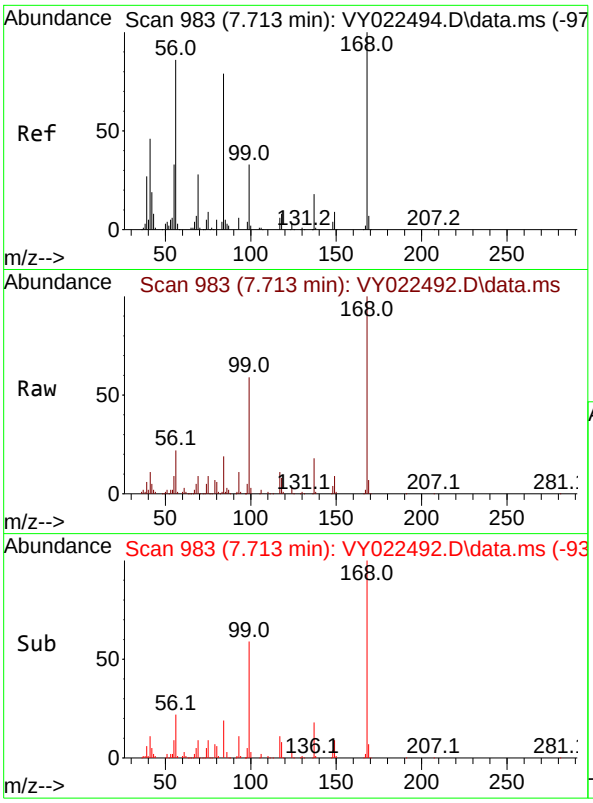
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



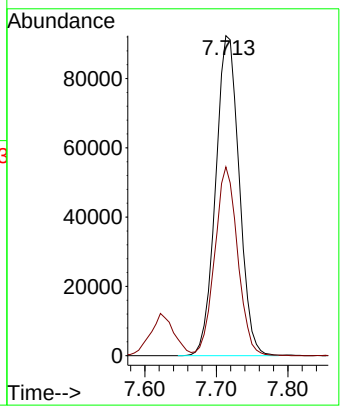


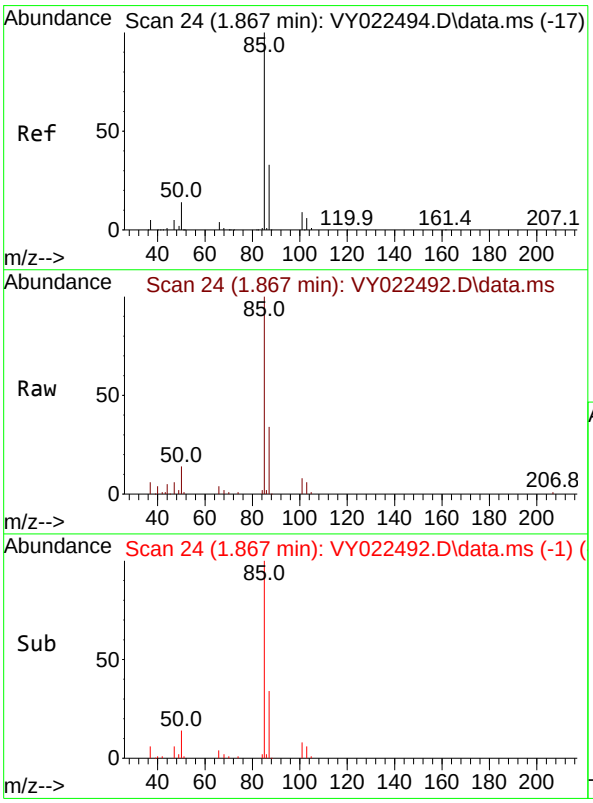
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 211235

Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.3	66.5

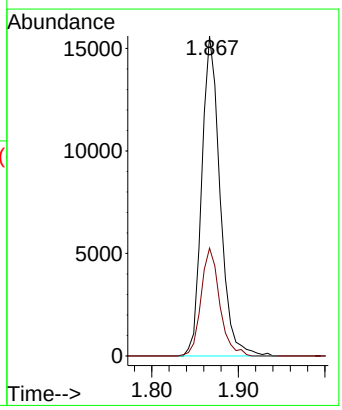


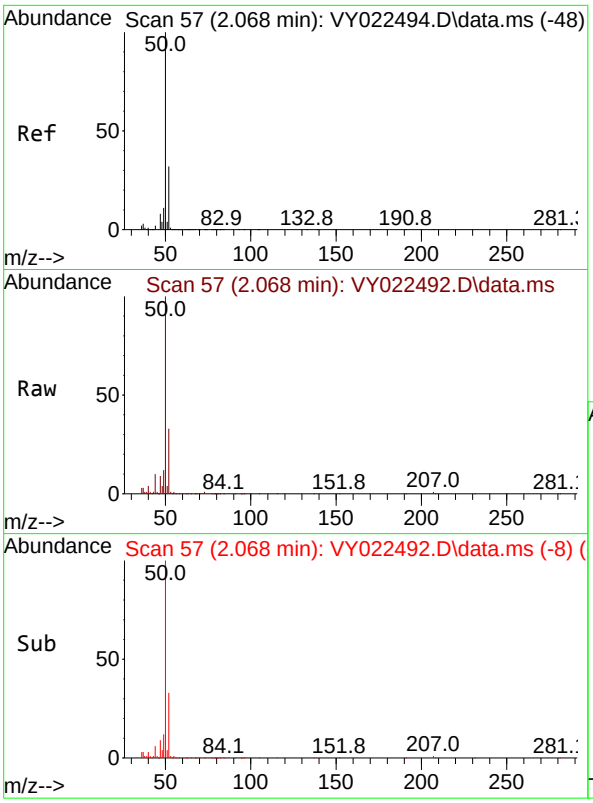


#2
Dichlorodifluoromethane
Concen: 12.412 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 85 Resp: 22911

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0



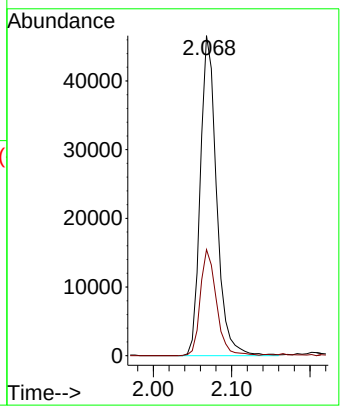


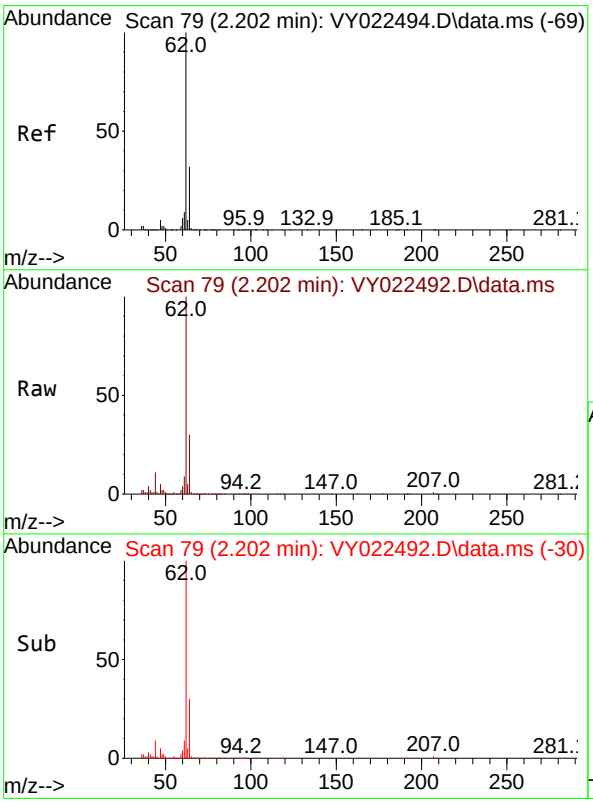
#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 67191

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0

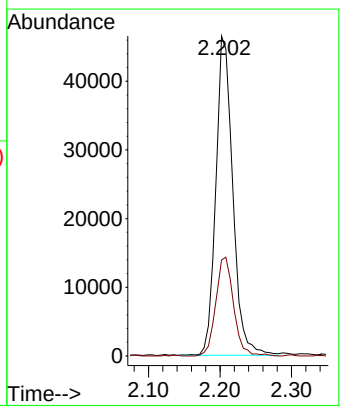


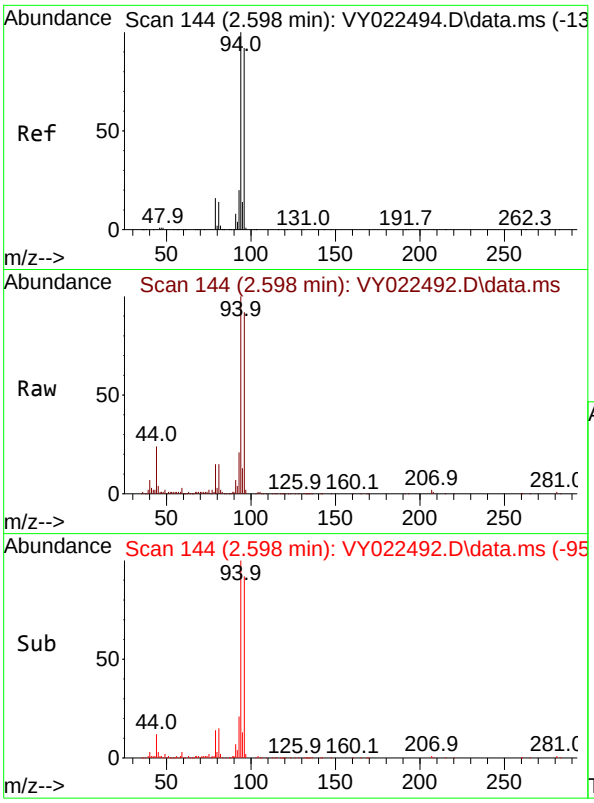


#4
Vinyl Chloride
Concen: 12.027 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 76656

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9



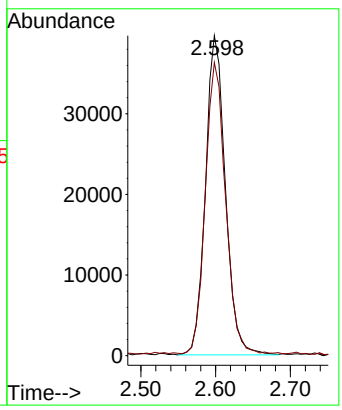


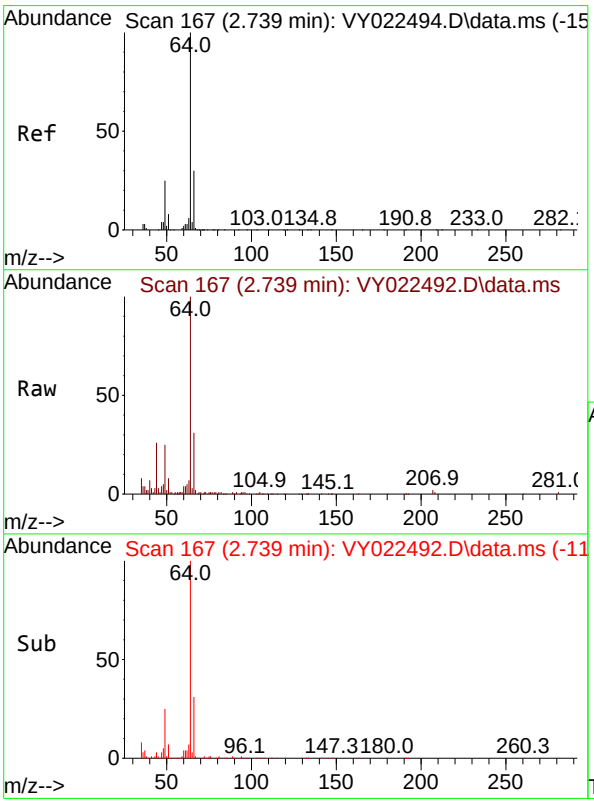
#5
Bromomethane
Concen: 12.157 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 73289

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.0	111.0

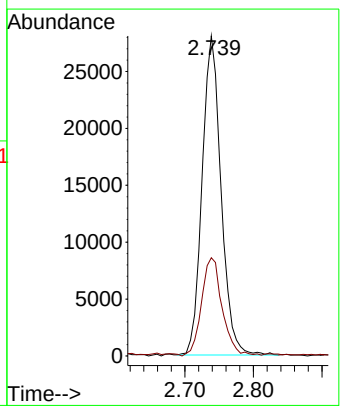


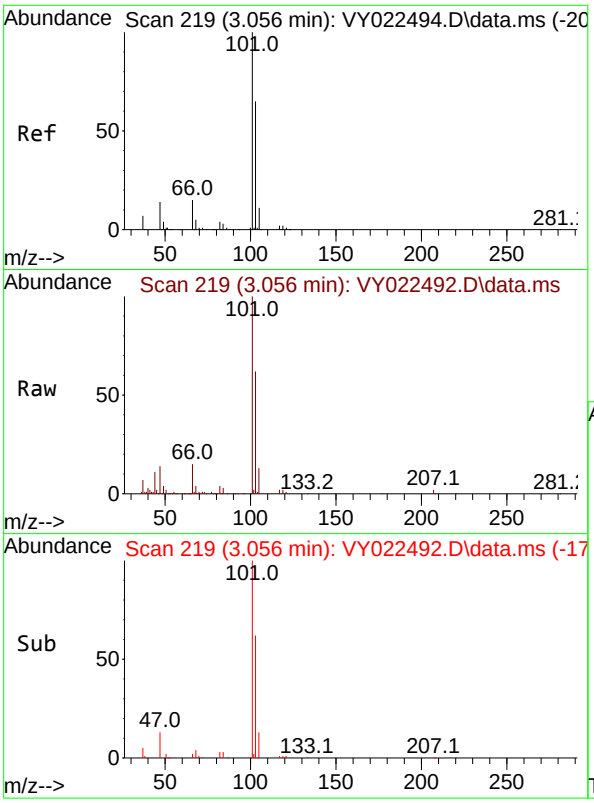


#6
Chloroethane
Concen: 12.374 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 64 Resp: 53992

Ion	Ratio	Lower	Upper
64	100		
66	30.3	23.8	35.6



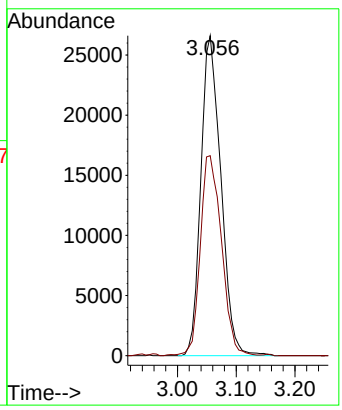


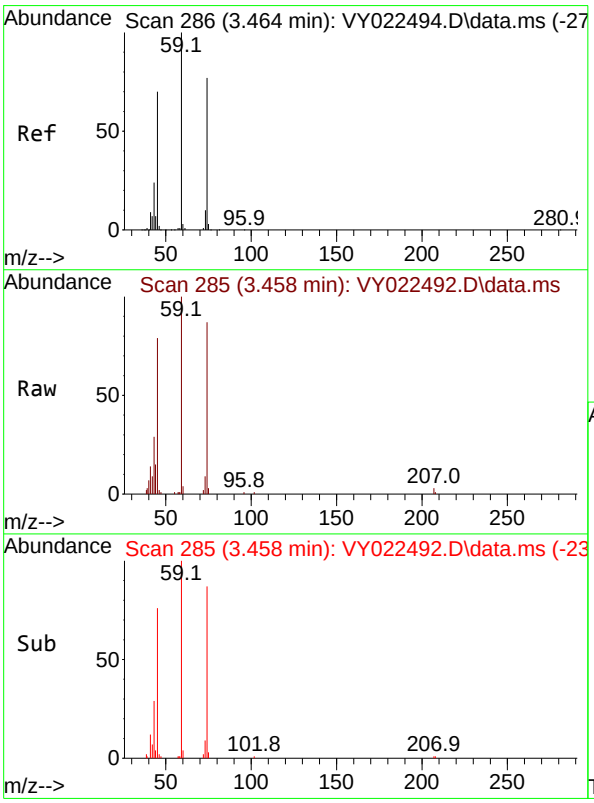
#7
Trichlorofluoromethane
Concen: 11.642 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 63044

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.2

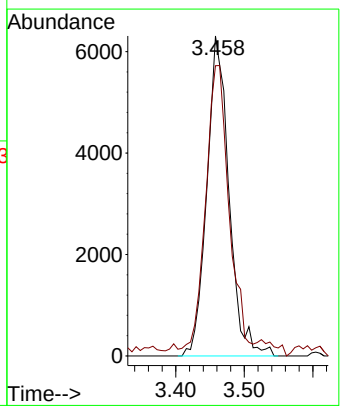


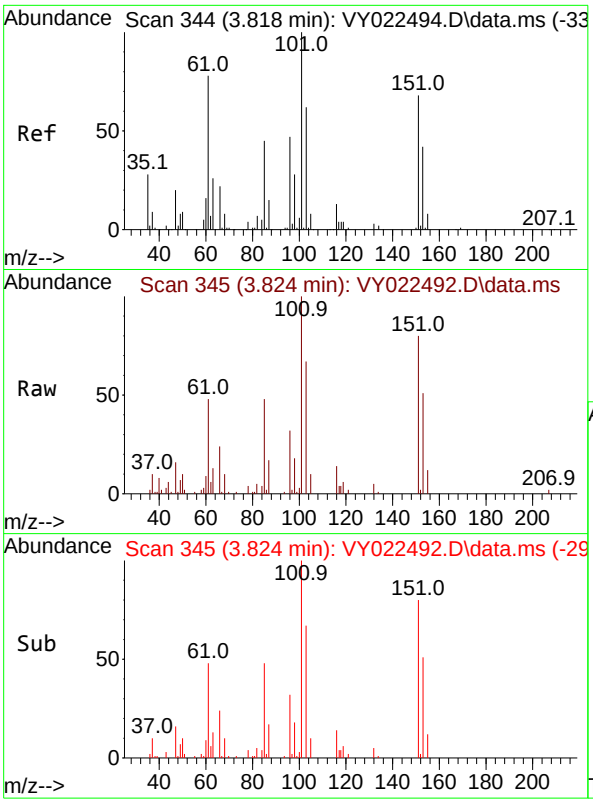


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 74 Resp: 14144

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.6



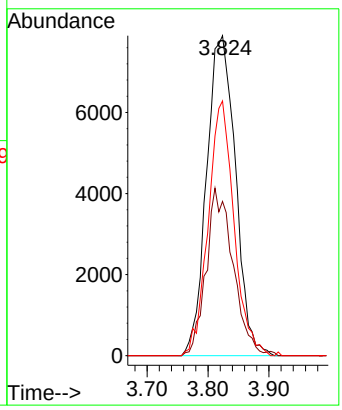


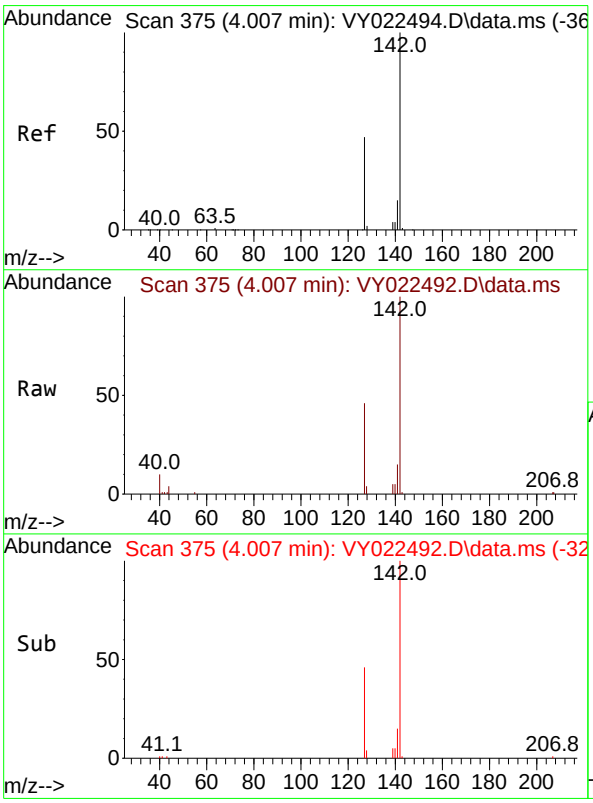
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 25997

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

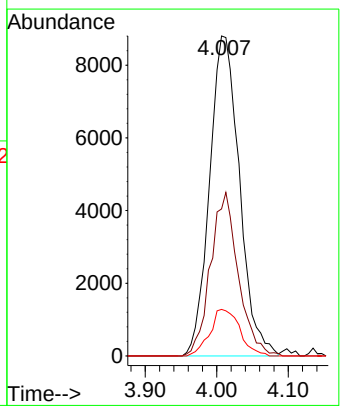


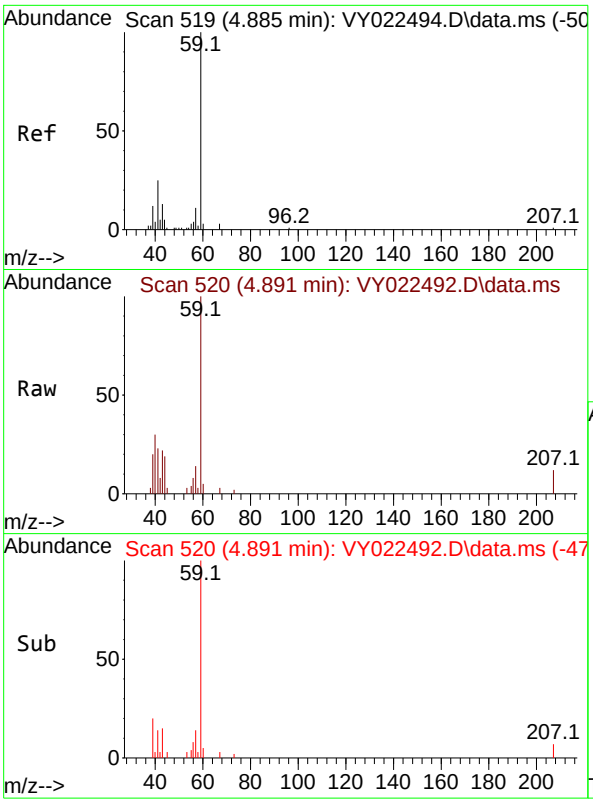


#10
Methyl Iodide
Concen: 10.505 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:142 Resp: 25590

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.6	11.4	17.2



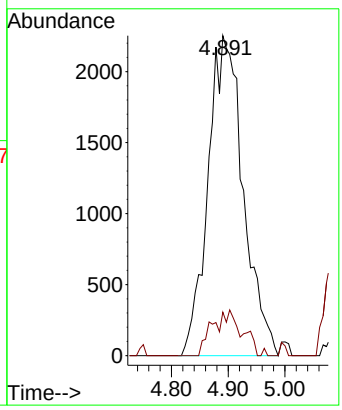


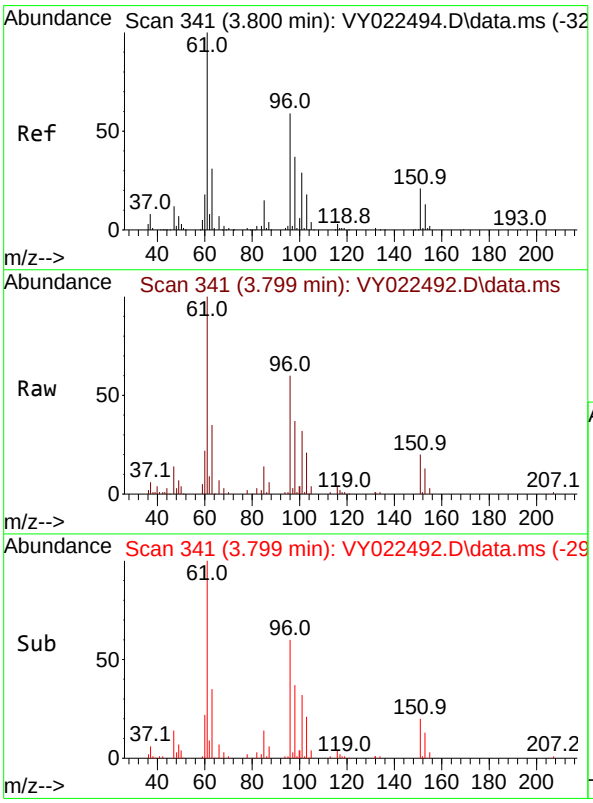
#11
Tert butyl alcohol
Concen: 59.275 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 9732

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

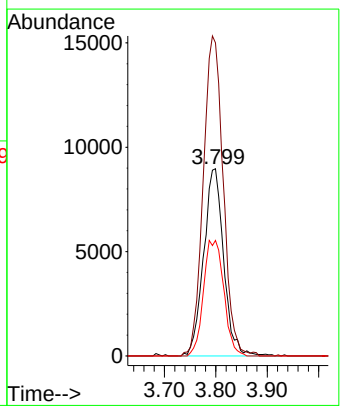


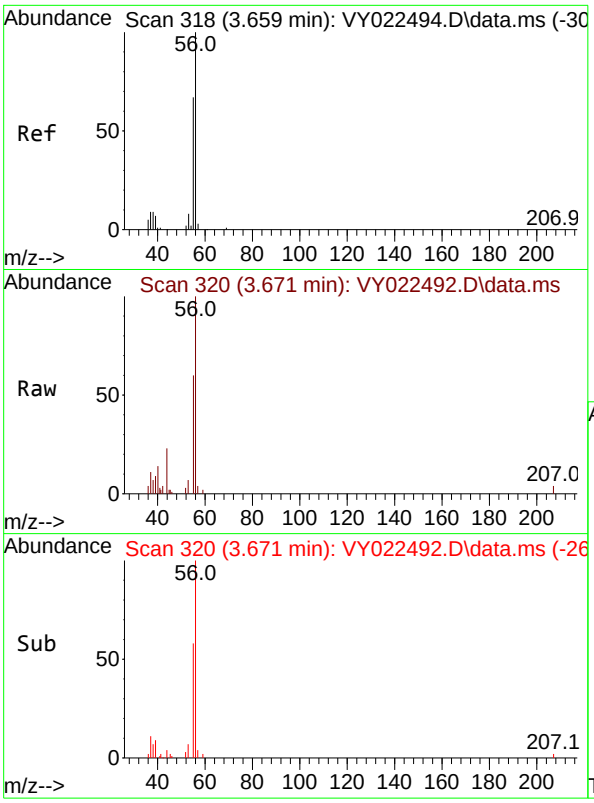


#12
1,1-Dichloroethene
Concen: 11.240 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 24370

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	61.7	50.2	75.4



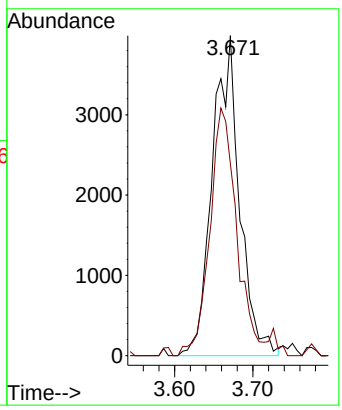


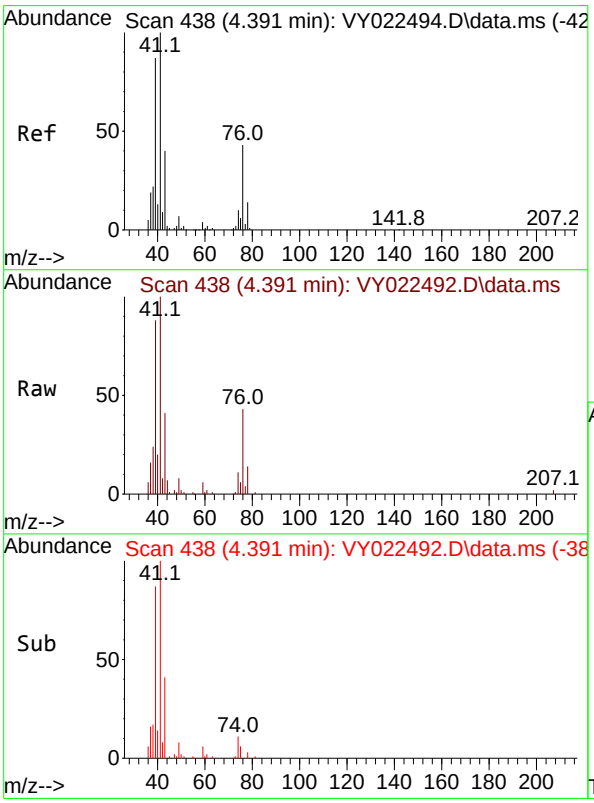
#13
Acrolein
Concen: 48.151 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 9650

Ion	Ratio	Lower	Upper
56	100		
55	76.0	57.0	85.6

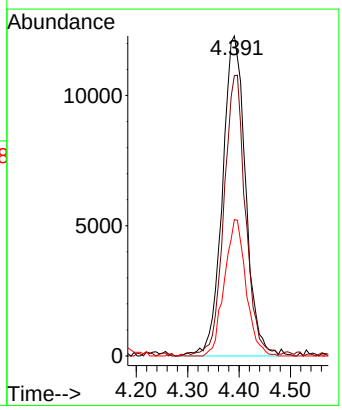


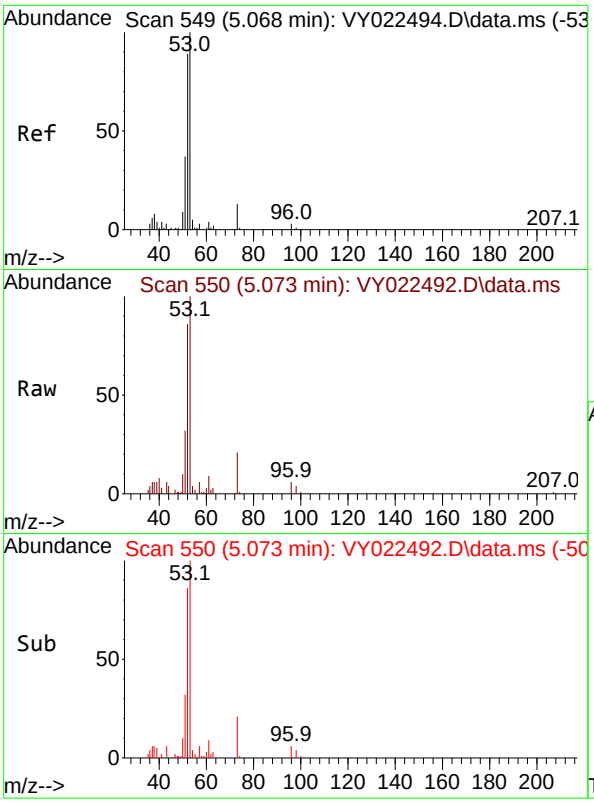


#14
Allyl chloride
Concen: 11.389 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 38482

Ion	Ratio	Lower	Upper
41	100		
39	80.5	69.1	103.7
76	39.7	33.5	50.3



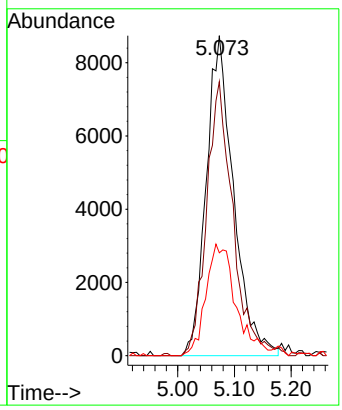


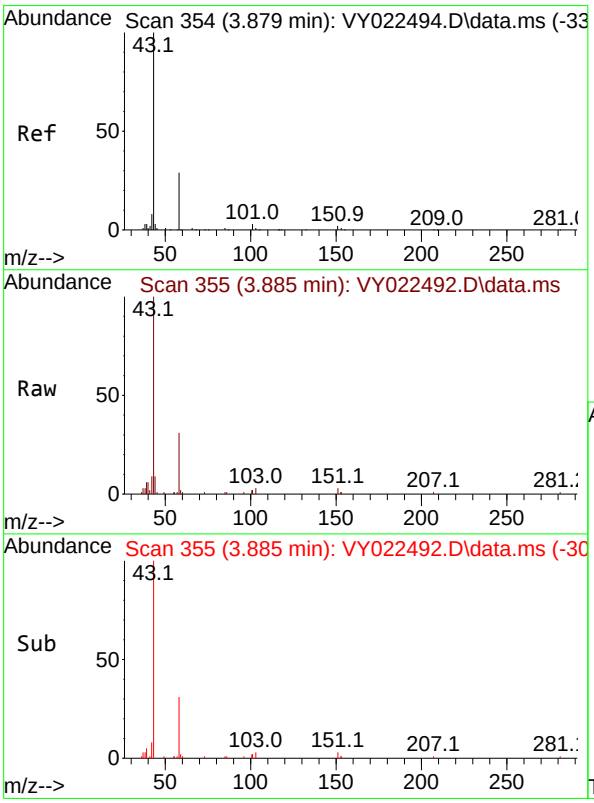
#15
Acrylonitrile
Concen: 57.299 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 29150

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	38.3	30.1	45.1

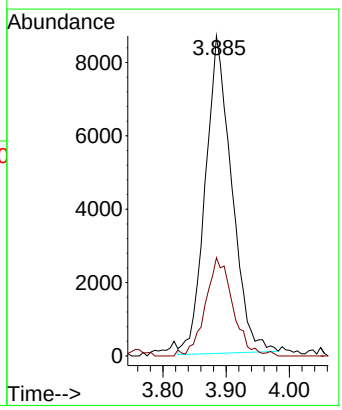


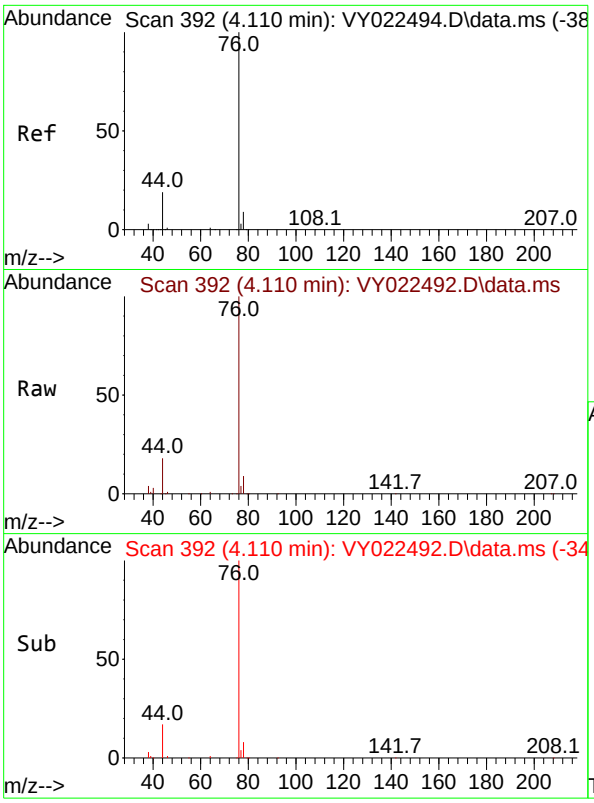


#16
Acetone
Concen: 55.166 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 25066

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0



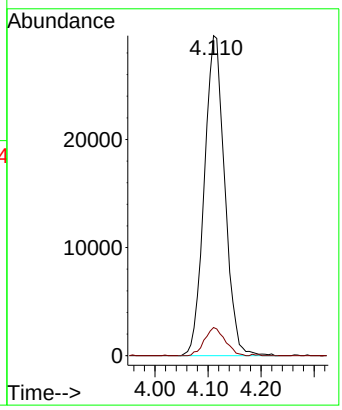


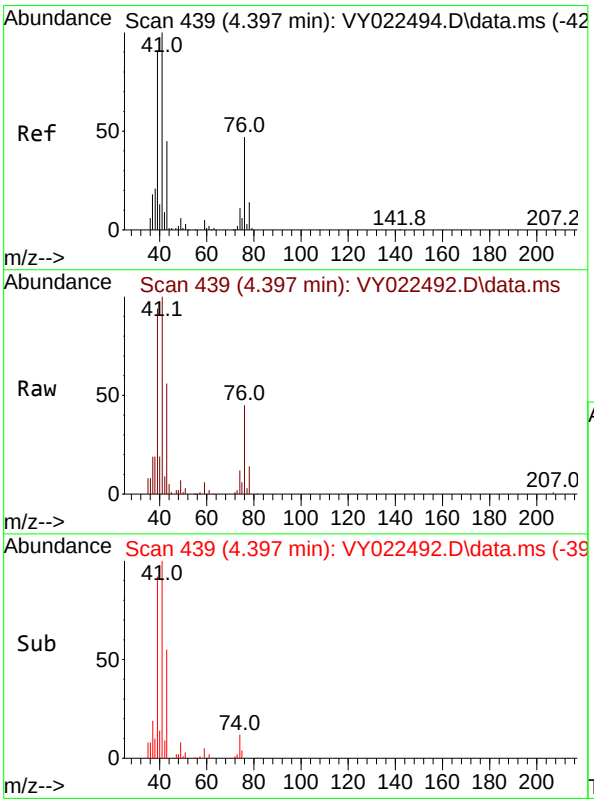
#17
Carbon Disulfide
Concen: 11.413 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 79008

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

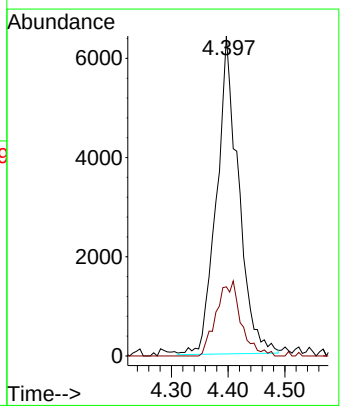


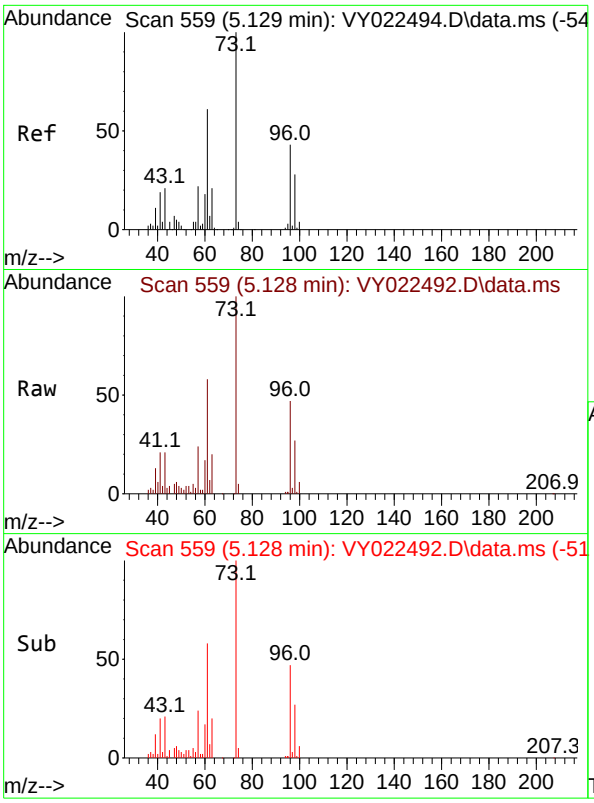


#18
Methyl Acetate
Concen: 12.603 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 17228

Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.8	29.6



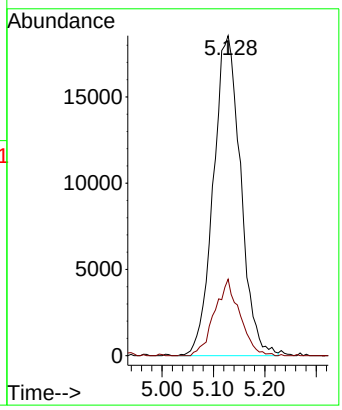


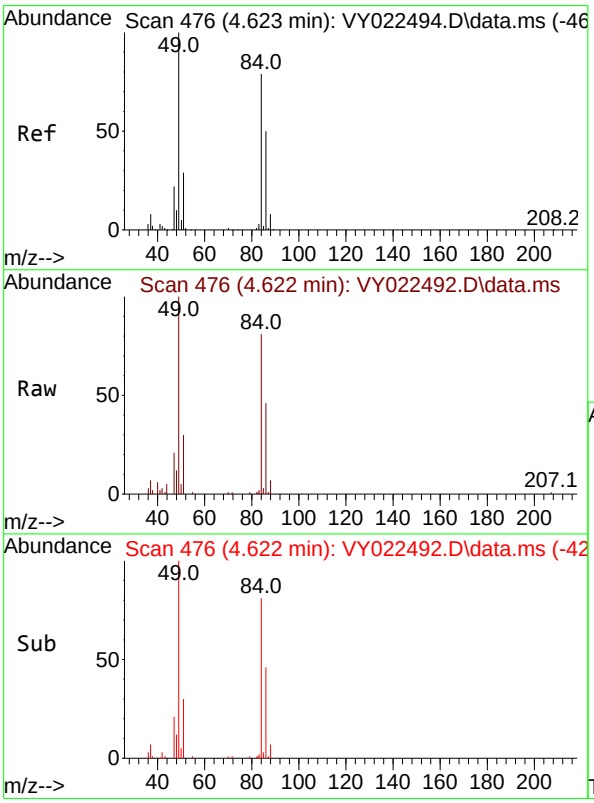
#19
Methyl tert-butyl Ether
Concen: 11.296 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 68336

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.0

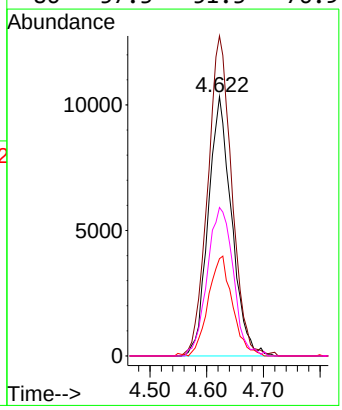


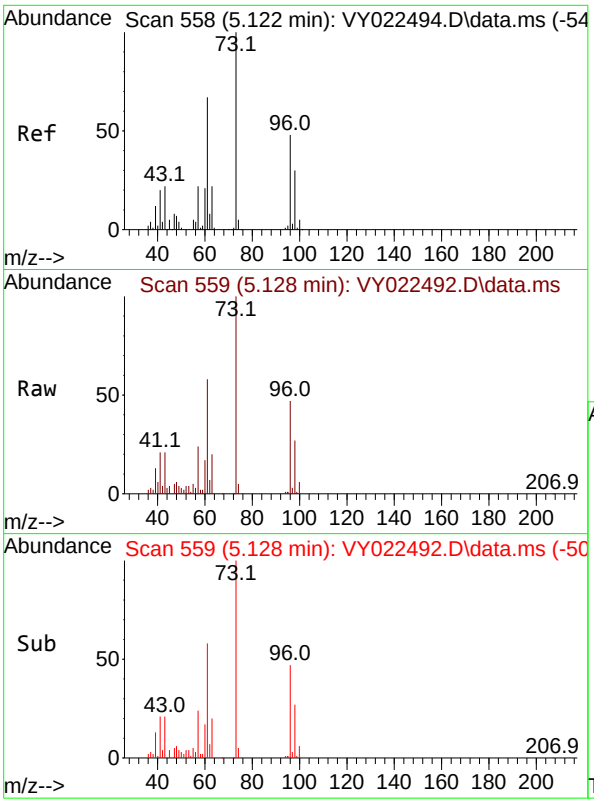


#20
Methylene Chloride
Concen: 11.655 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 84 Resp: 29569

Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.9	152.9
51	37.5	29.8	44.8
86	57.3	51.3	76.9



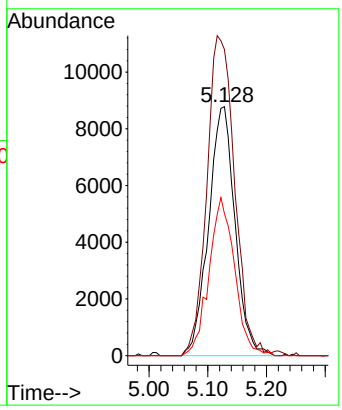


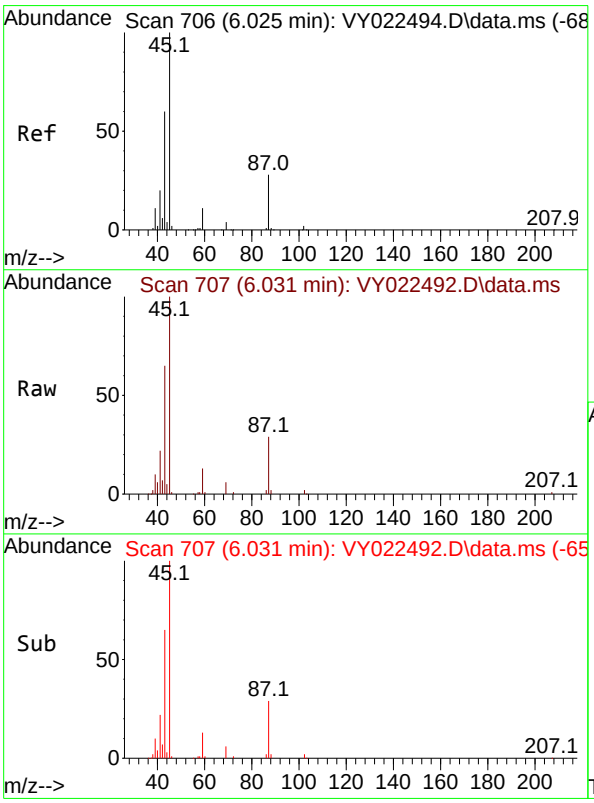
#21
trans-1,2-Dichloroethene
Concen: 11.350 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 27493

Ion	Ratio	Lower	Upper
96	100		
61	123.0	112.6	169.0
98	57.1	50.6	75.8

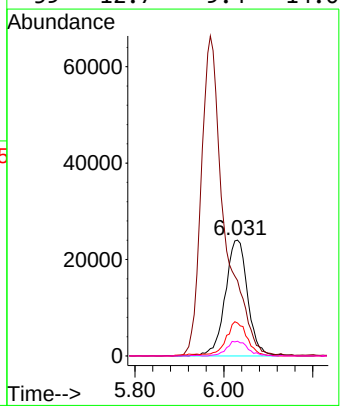


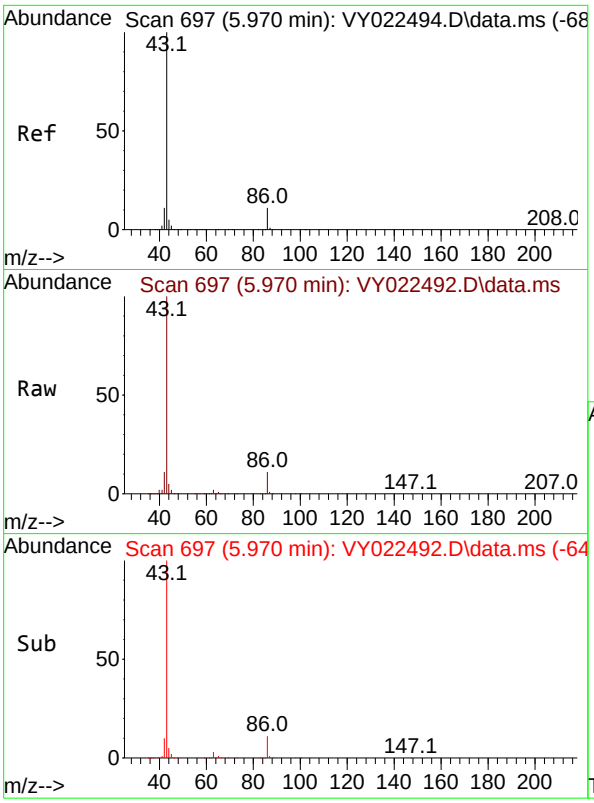


#22
Diisopropyl ether
Concen: 11.156 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 45 Resp: 83814

Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.3	72.5
87	28.5	23.0	34.6
59	12.7	9.4	14.0



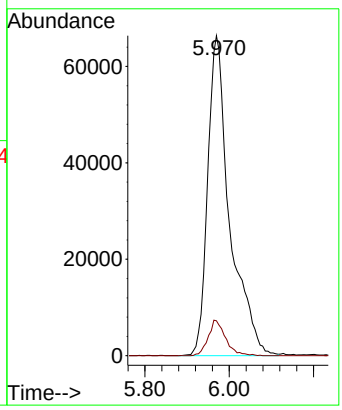


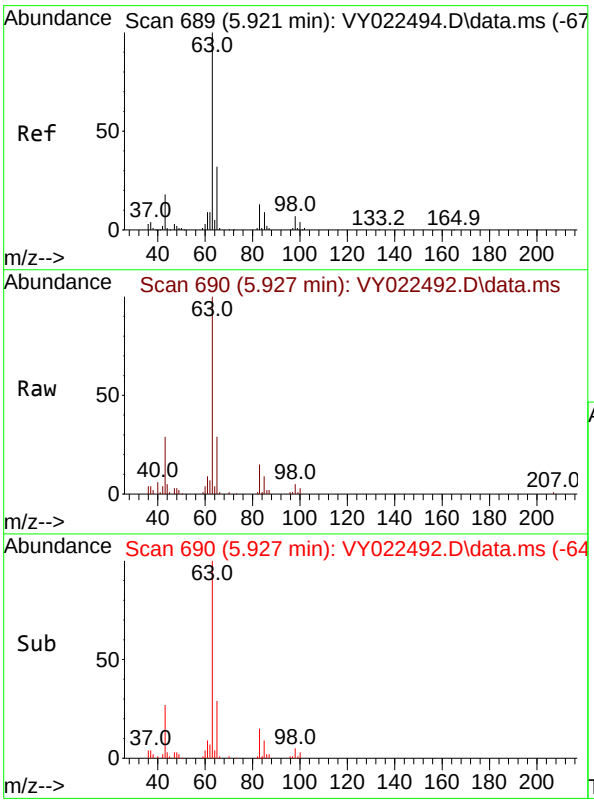
#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 241364

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

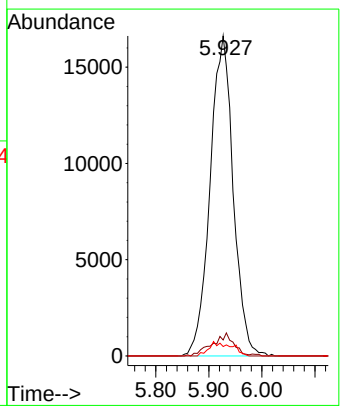


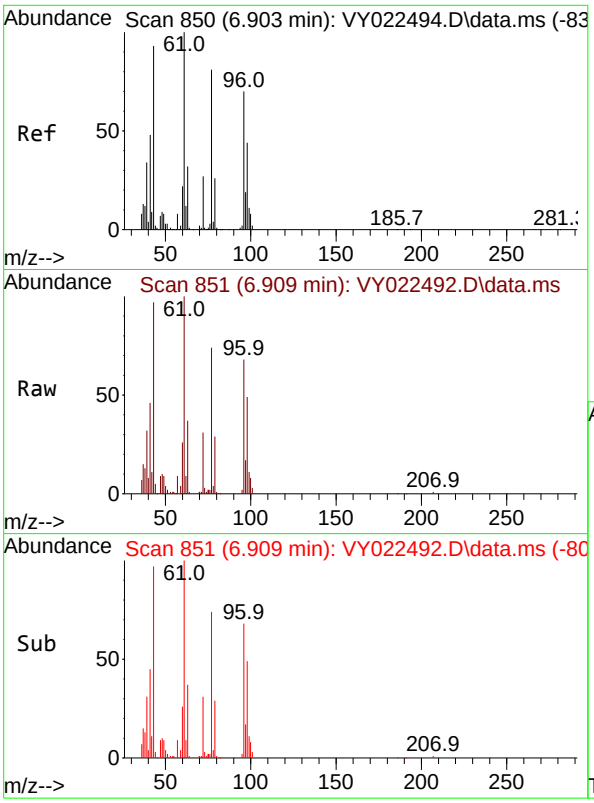


#24
1,1-Dichloroethane
Concen: 11.346 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 50391

Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.4	10.1
100	3.0	2.1	6.3



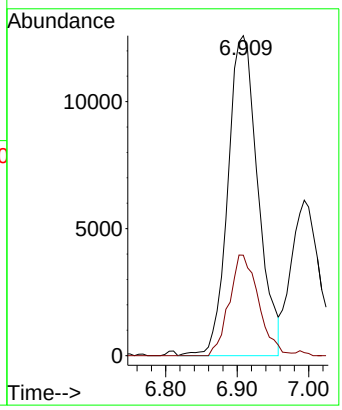


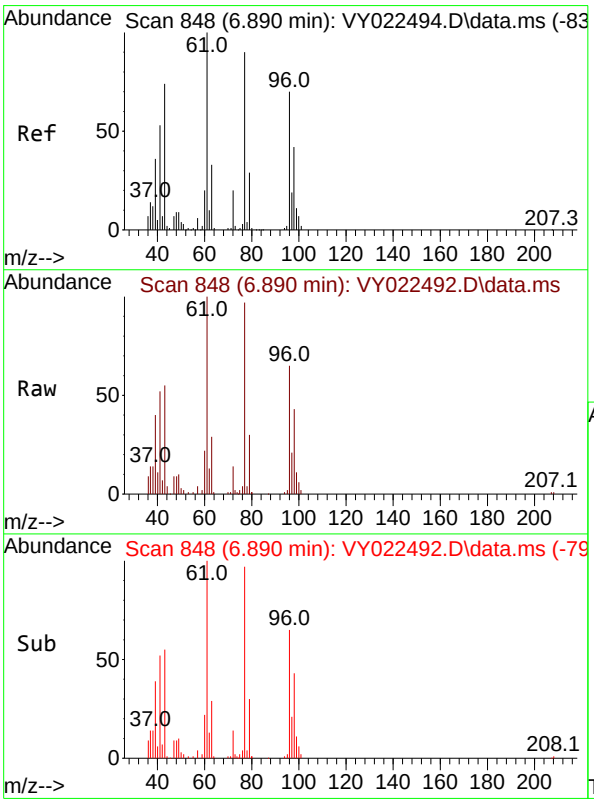
#25
2-Butanone
Concen: 54.840 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 36756

Ion	Ratio	Lower	Upper
43	100		
72	31.4	22.9	34.3

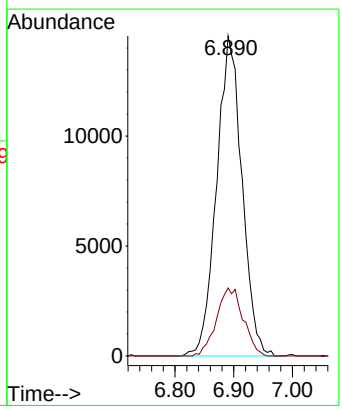


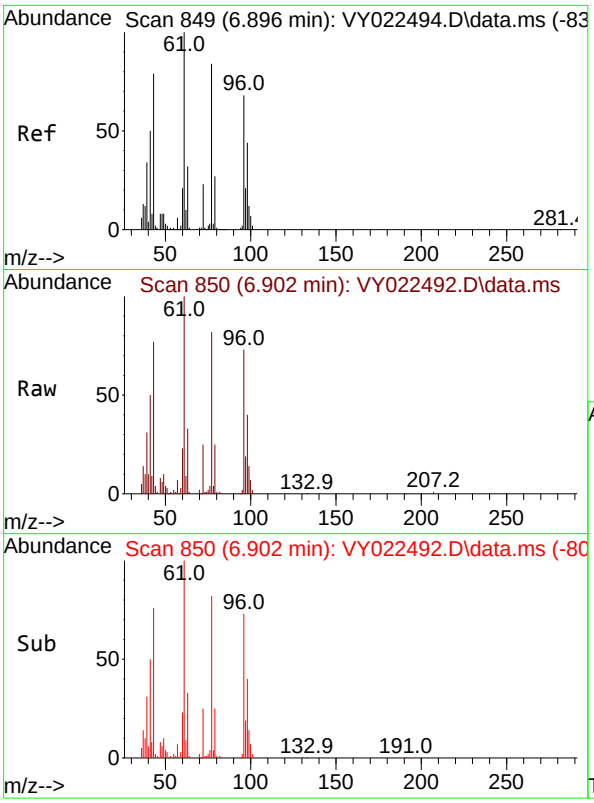


#26
2,2-Dichloropropane
Concen: 11.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 77 Resp: 43605

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2



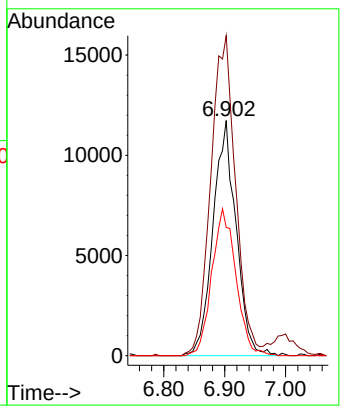


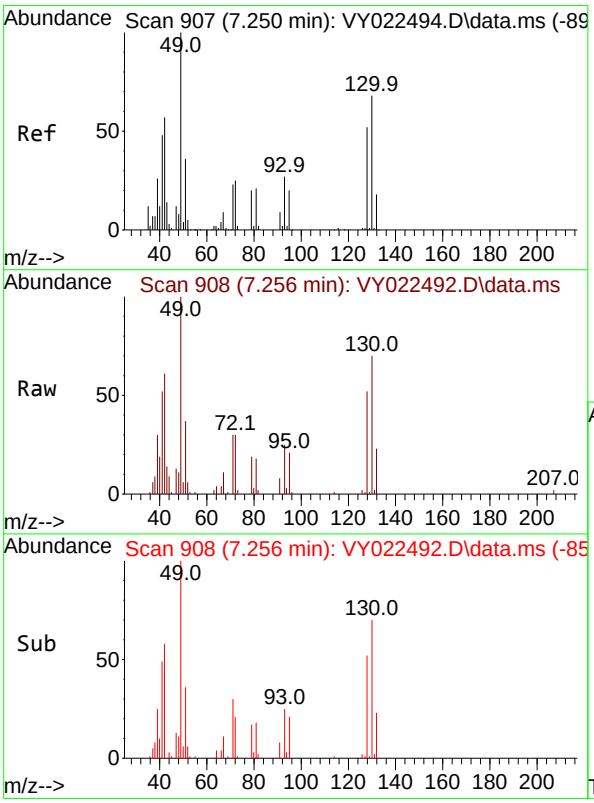
#27
cis-1,2-Dichloroethene
Concen: 11.028 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 30873

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.0
98	65.3	0.0	128.4

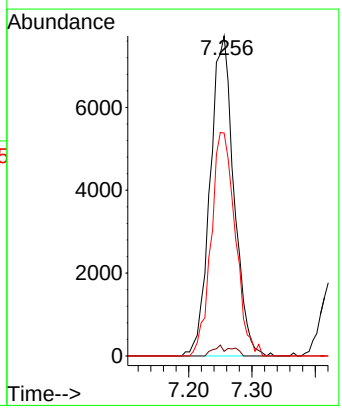


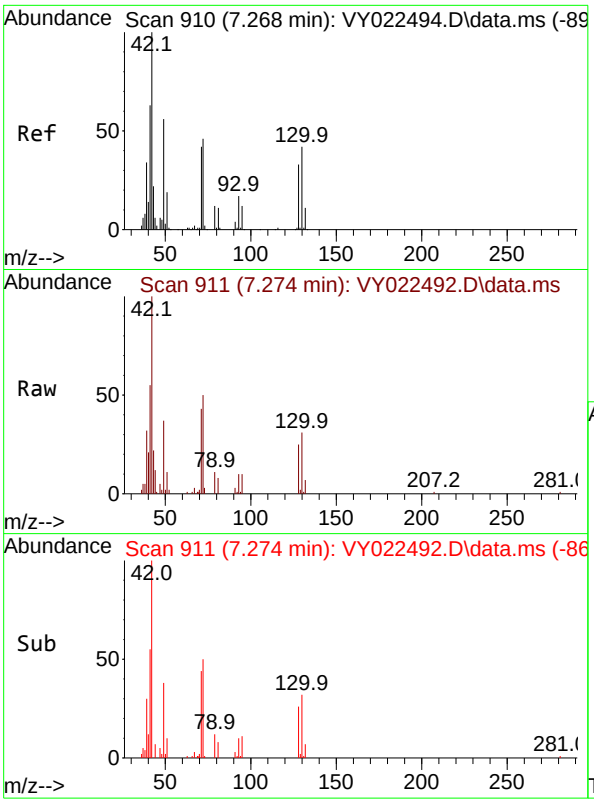


#28
Bromochloromethane
Concen: 10.491 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 49 Resp: 20132

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	70.8	55.7	83.5



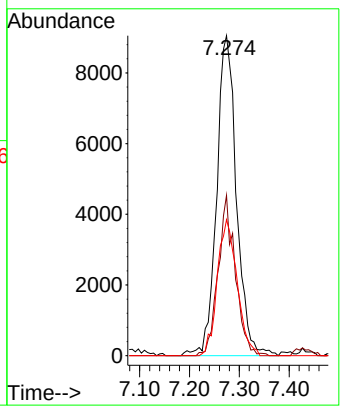


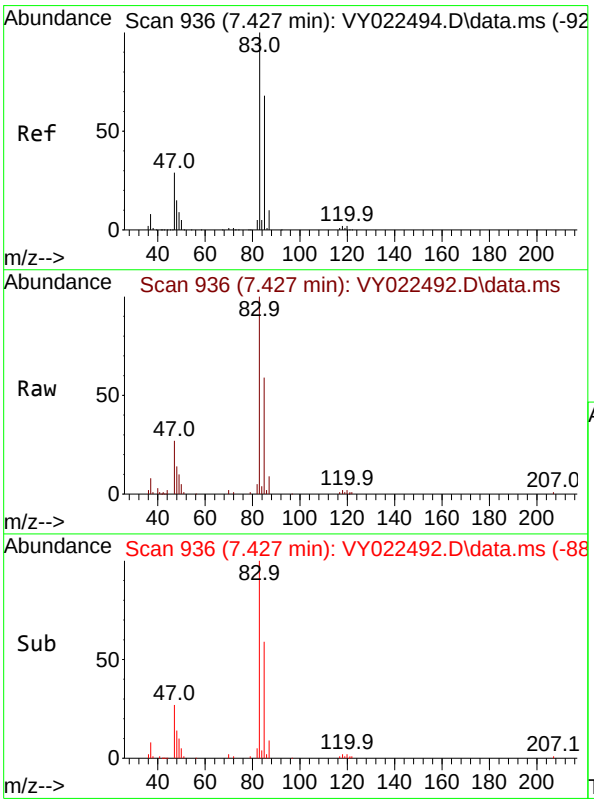
#29
Tetrahydrofuran
Concen: 57.822 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 25001

Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.4	56.2
71	42.5	34.2	51.2

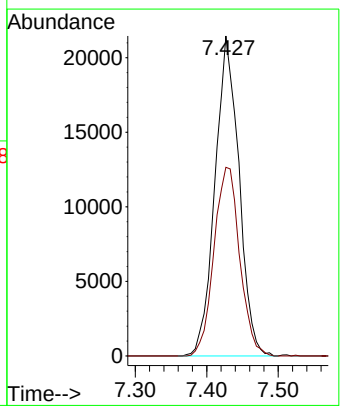


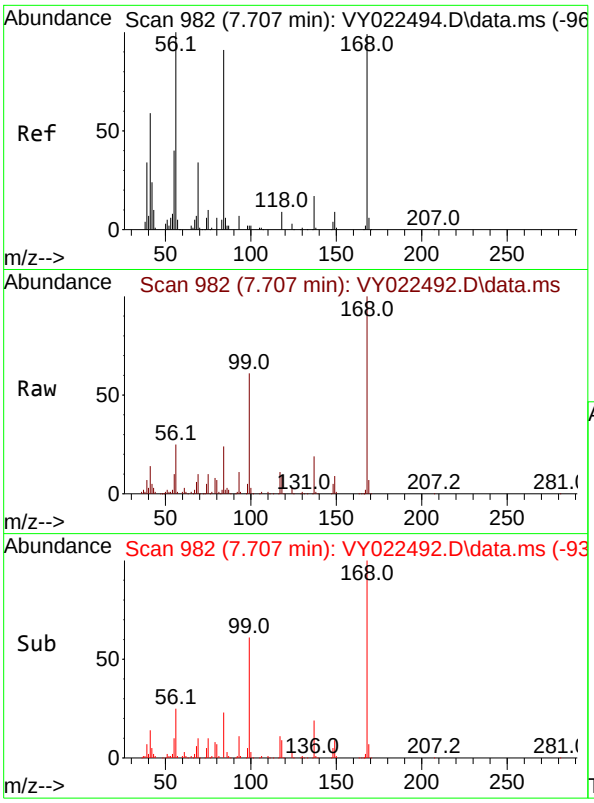


#30
Chloroform
Concen: 11.391 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 49990

Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4



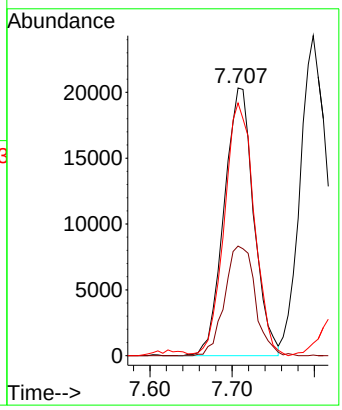


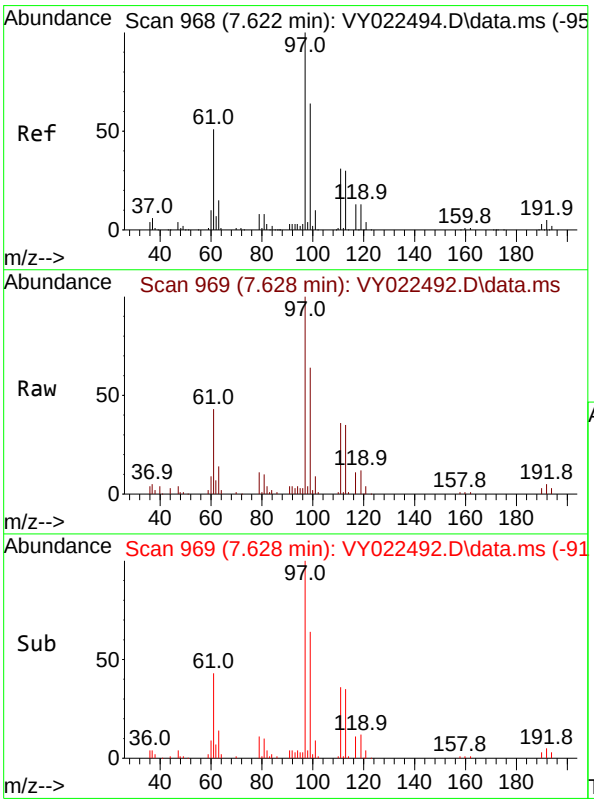
#31
Cyclohexane
Concen: 11.422 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 51050

Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.0	40.6#
84	92.7	72.6	109.0

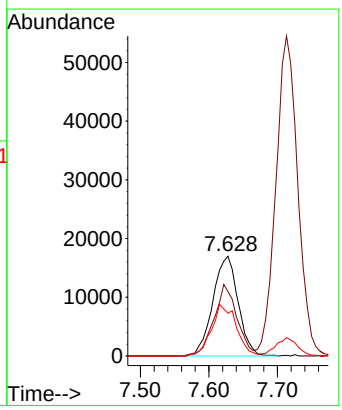


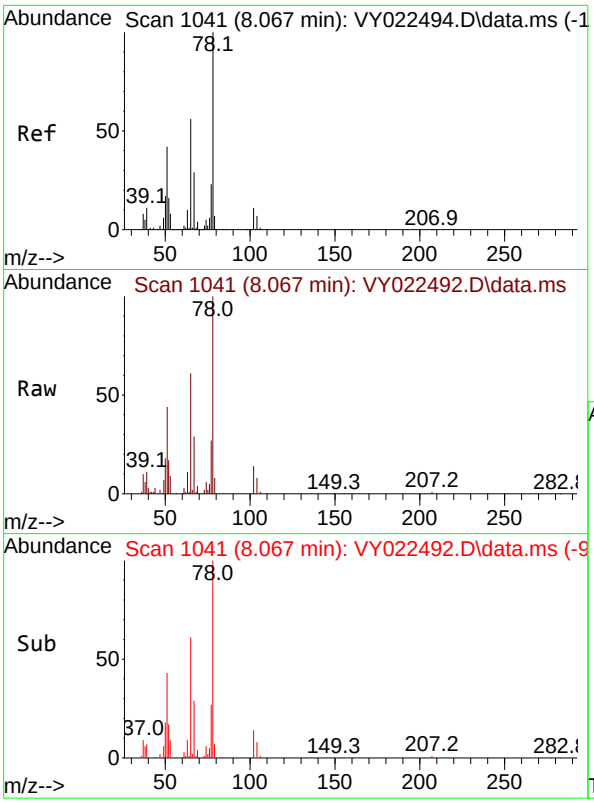


#32
1,1,1-Trichloroethane
Concen: 11.080 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 43454

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	50.6	38.5	57.7



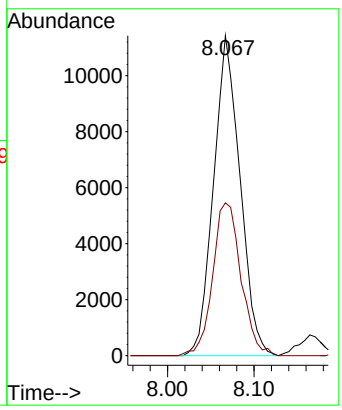


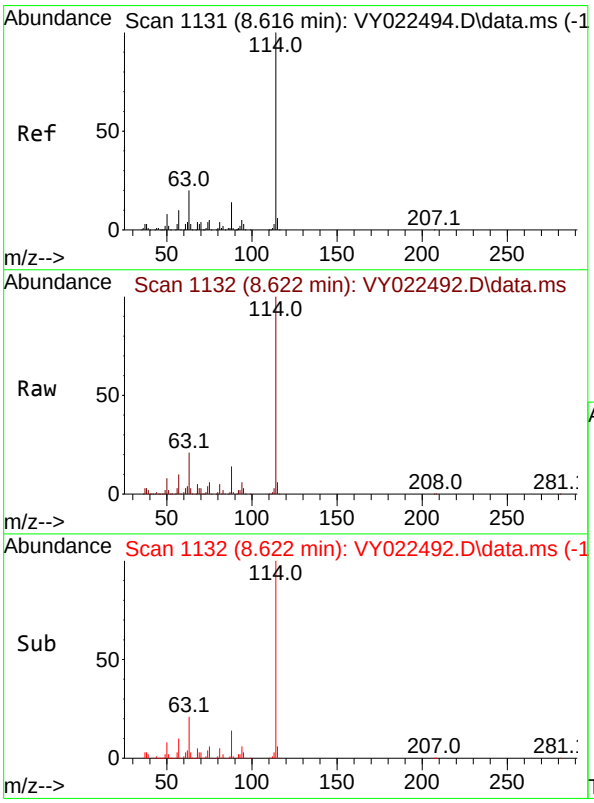
#33
1,2-Dichloroethane-d4
Concen: 10.549 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 24246

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4

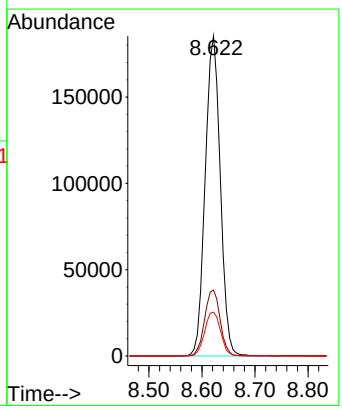


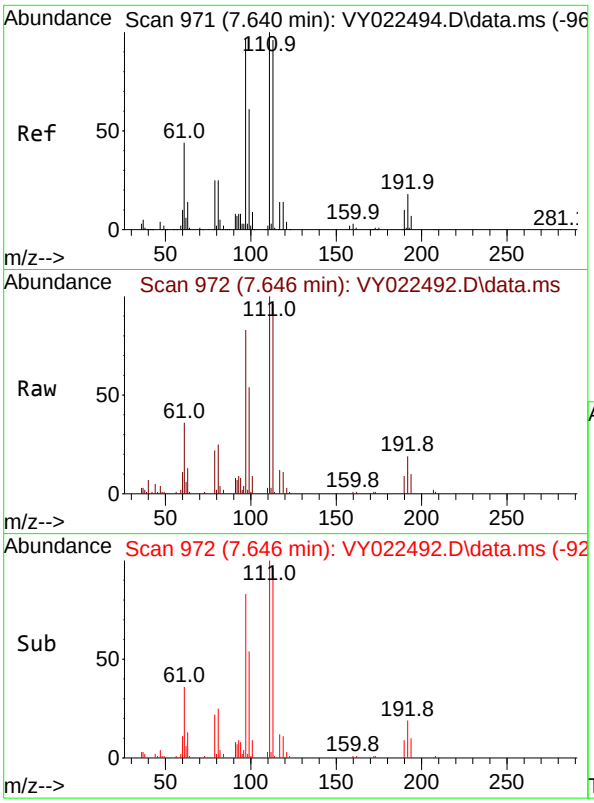


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:114 Resp: 366386

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	13.7	0.0	27.8



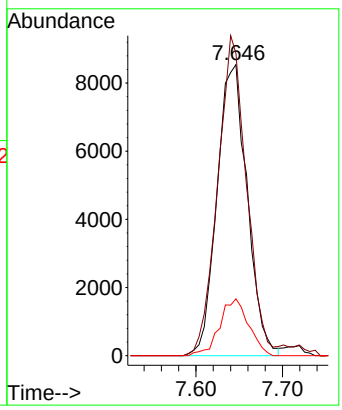


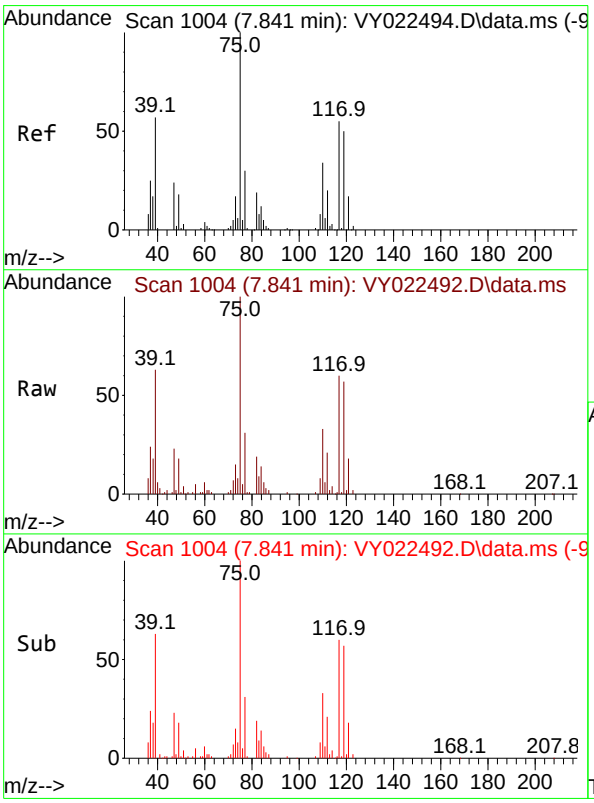
#35
Dibromofluoromethane
Concen: 9.617 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 20743

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.1	121.7
192	18.7	14.2	21.2

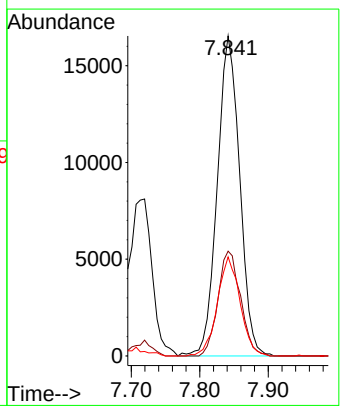


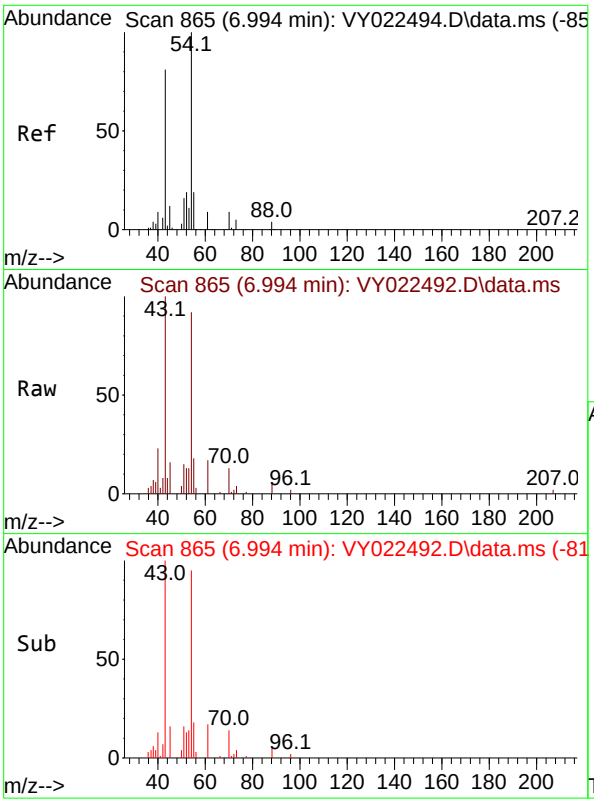


#36
1,1-Dichloropropene
Concen: 10.765 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 37532

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.5	24.8	37.2



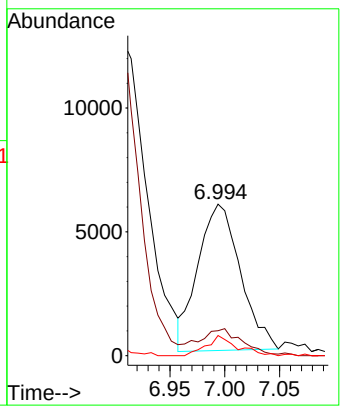


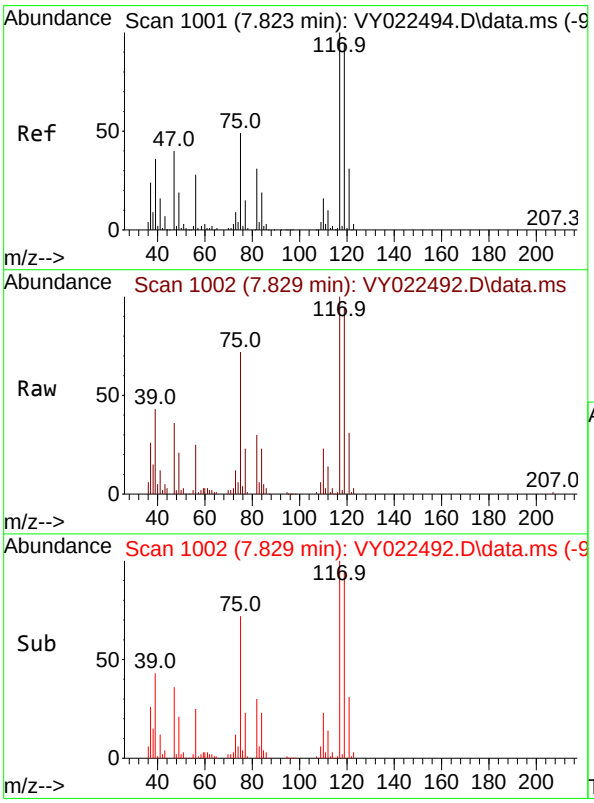
#37
Ethyl Acetate
Concen: 10.371 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 15914

Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.5	17.3#
70	9.8	7.2	10.8

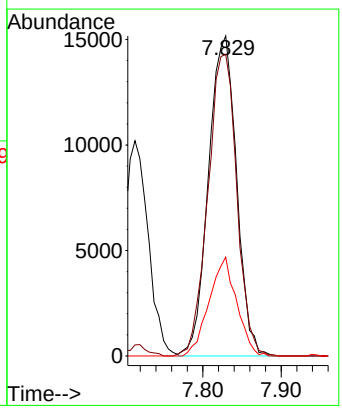


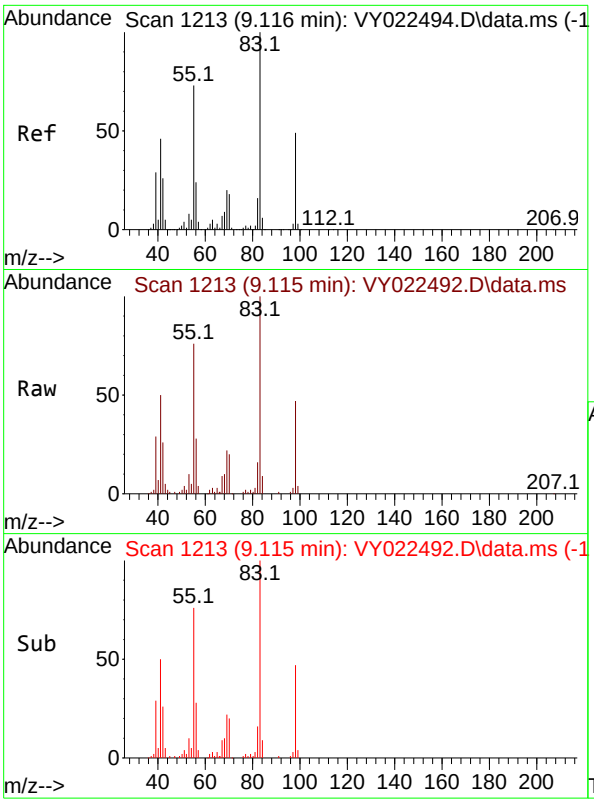


#38
Carbon Tetrachloride
Concen: 10.515 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 37794

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	30.9	25.0	37.4



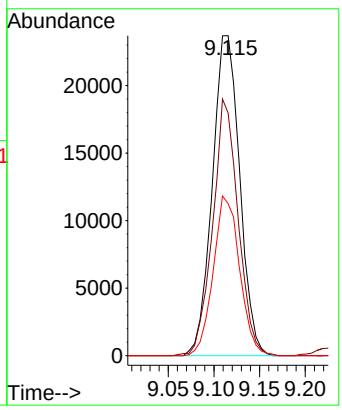


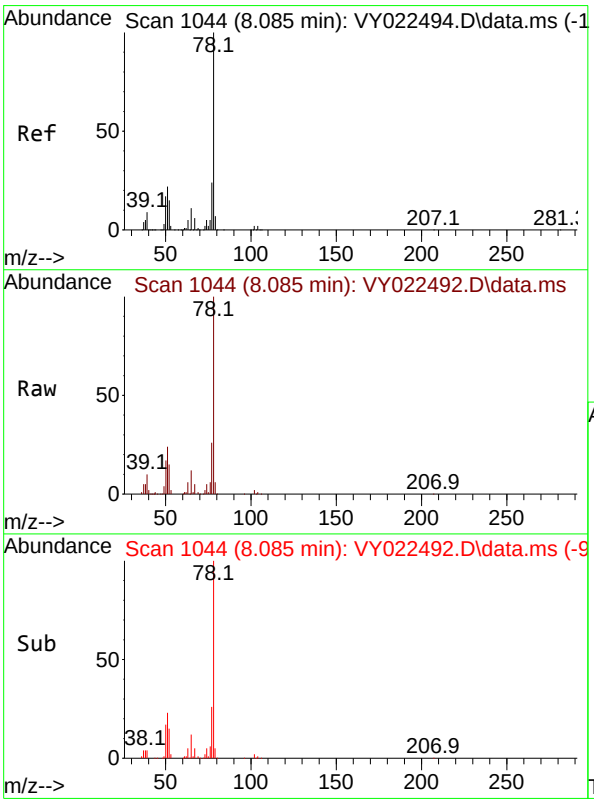
#39
Methylcyclohexane
Concen: 10.491 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 49413

Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.1	87.1
98	47.5	39.0	58.6

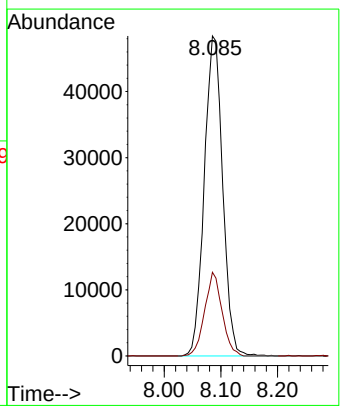


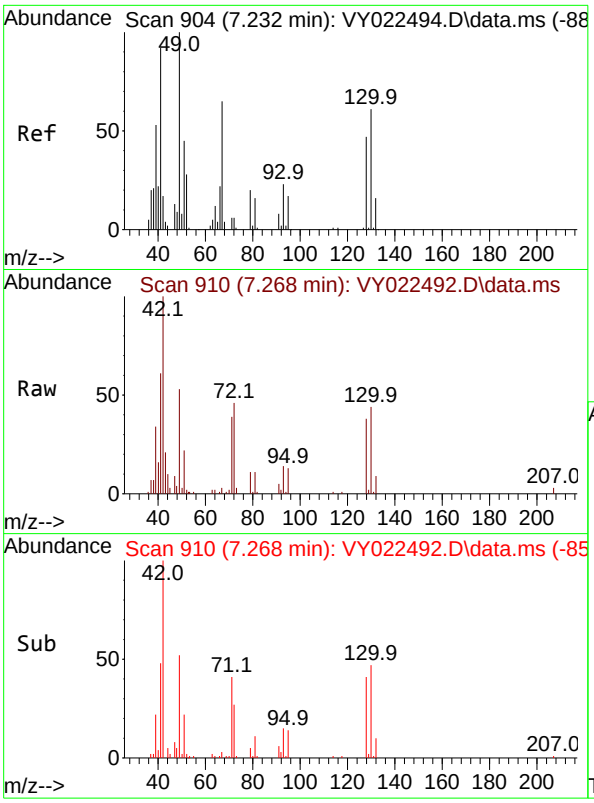


#40
Benzene
Concen: 10.600 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 78 Resp: 108934

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9



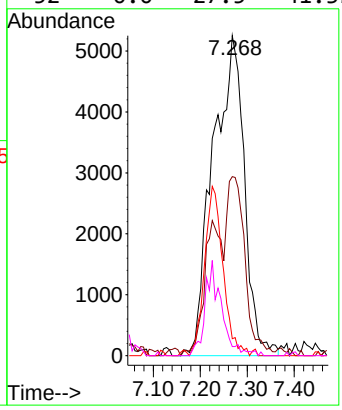


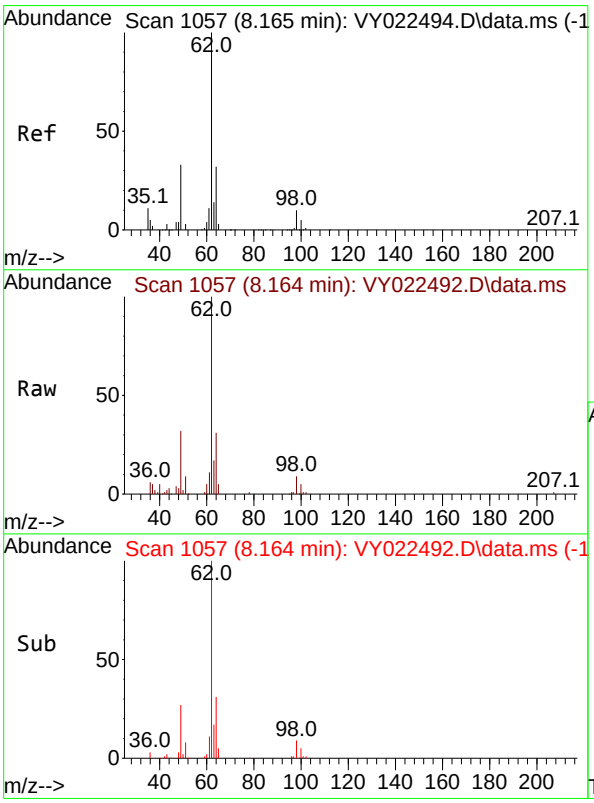
#41
Methacrylonitrile
Concen: 24.573 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.036 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 24283

Ion	Ratio	Lower	Upper
41	100		
39	31.0	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#

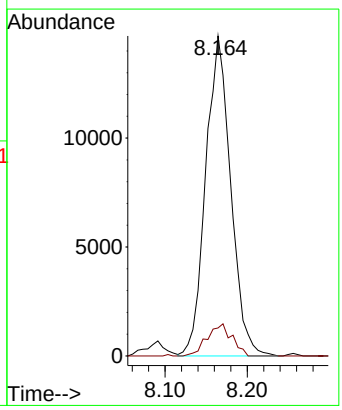


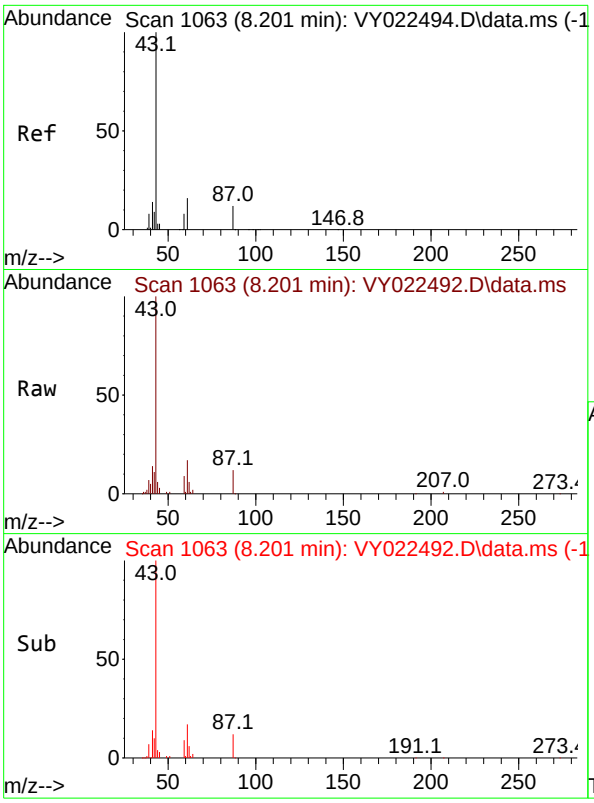


#42
1,2-Dichloroethane
Concen: 11.125 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 31102

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2



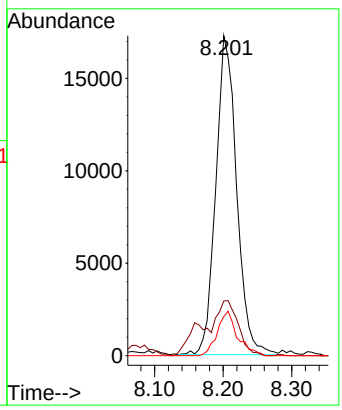


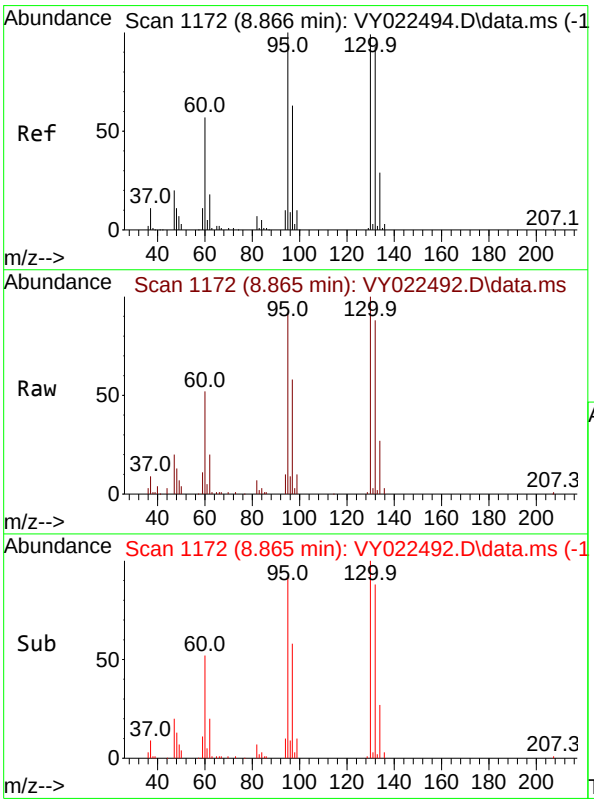
#43
Isopropyl Acetate
Concen: 10.859 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 36411

Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.6	23.4
87	13.4	10.2	15.4

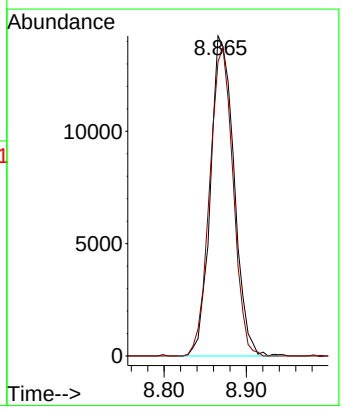


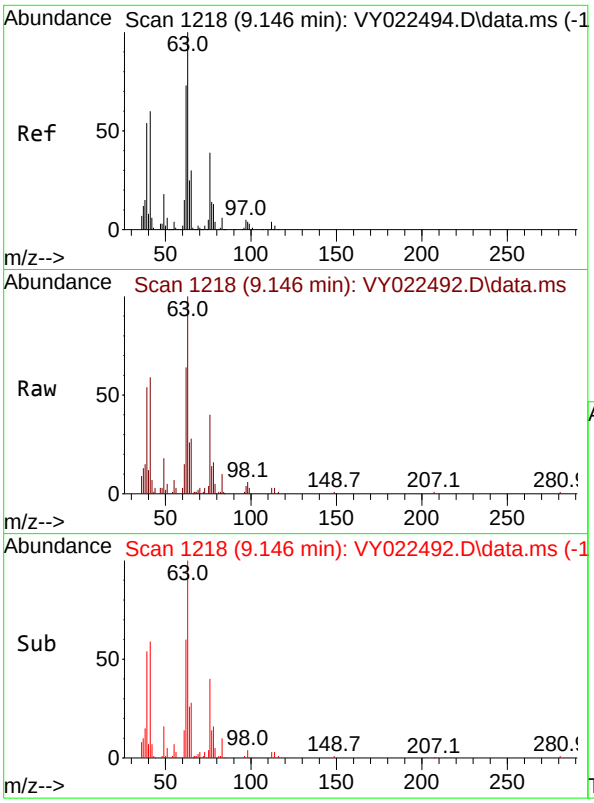


#44
Trichloroethene
Concen: 11.325 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:130 Resp: 28431

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	203.0



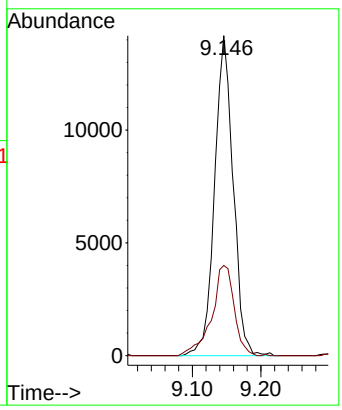


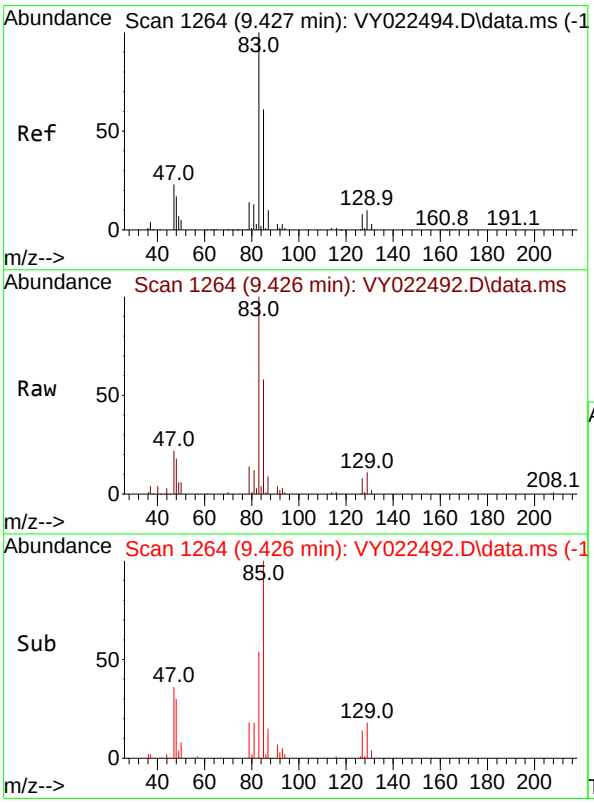
#45
1,2-Dichloropropane
Concen: 10.884 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 26665

Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.0	36.0

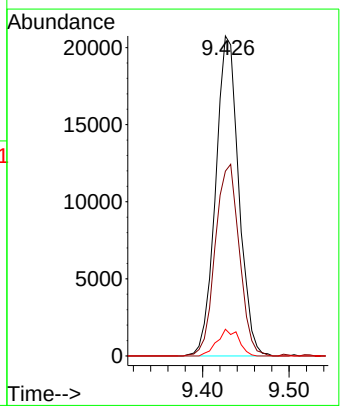


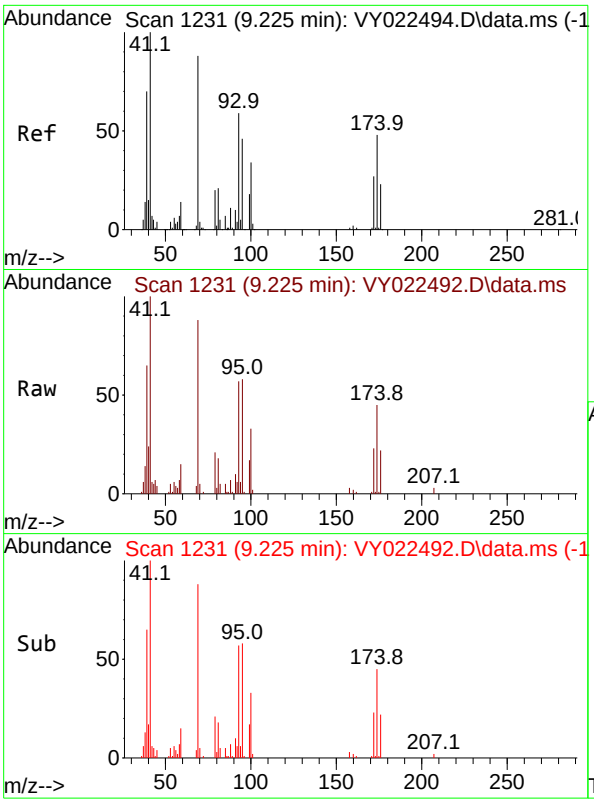


#47
Bromodichloromethane
Concen: 11.048 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 38475

Ion	Ratio	Lower	Upper
83	100		
85	57.8	49.1	73.7
127	8.4	6.2	9.4



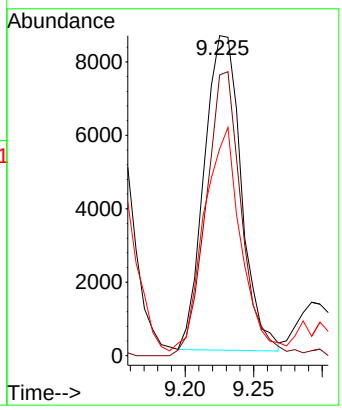


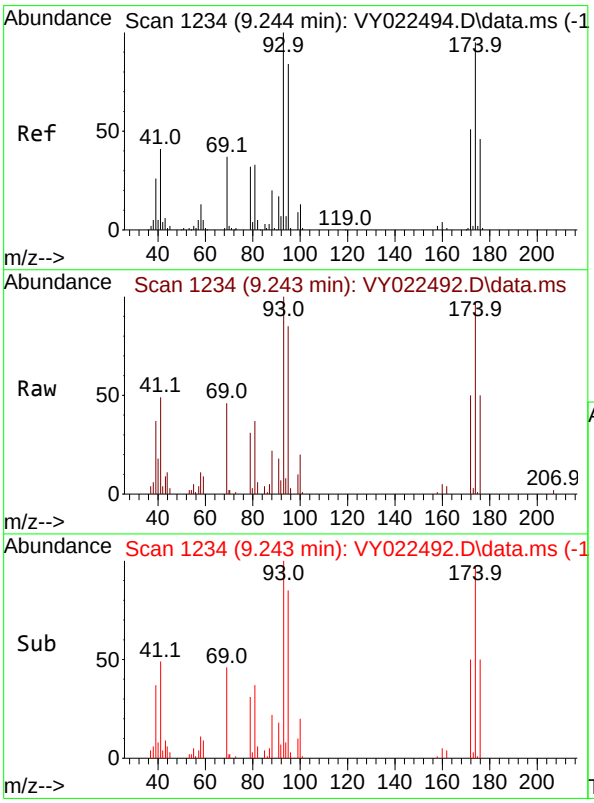
#48
Methyl methacrylate
Concen: 10.501 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 16122

Ion	Ratio	Lower	Upper
41	100		
69	86.6	67.8	101.8
39	70.2	55.0	82.4

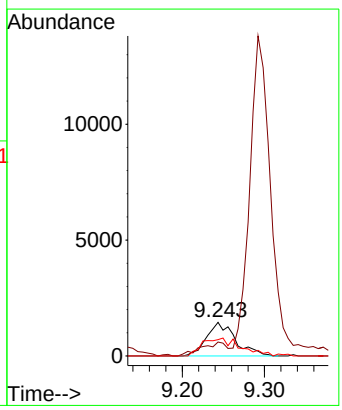


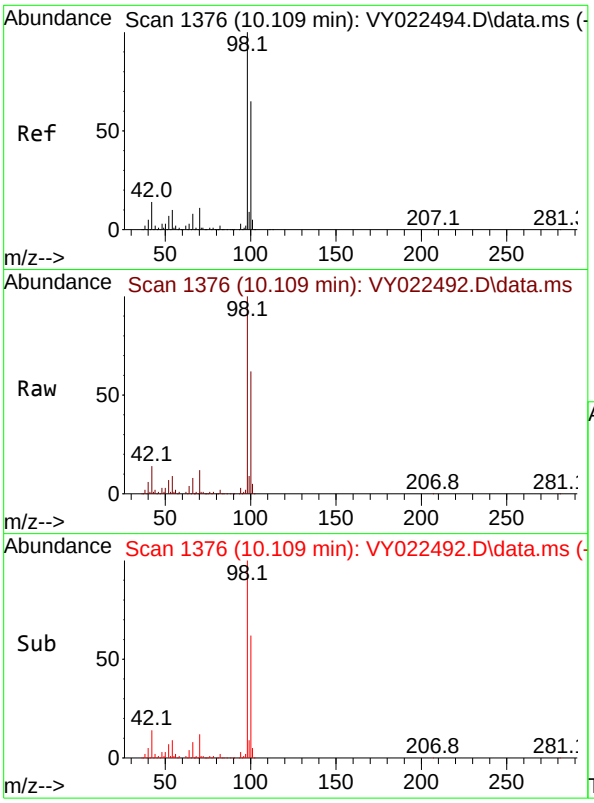


#49
1,4-Dioxane
Concen: 215.881 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 88 Resp: 3535

Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.4	38.2
58	69.8	54.9	82.3



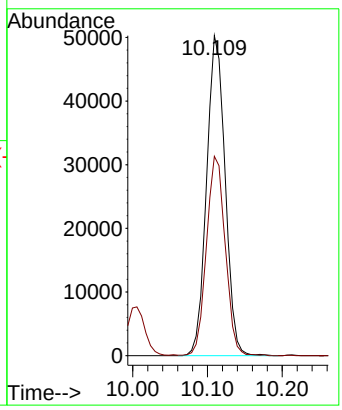


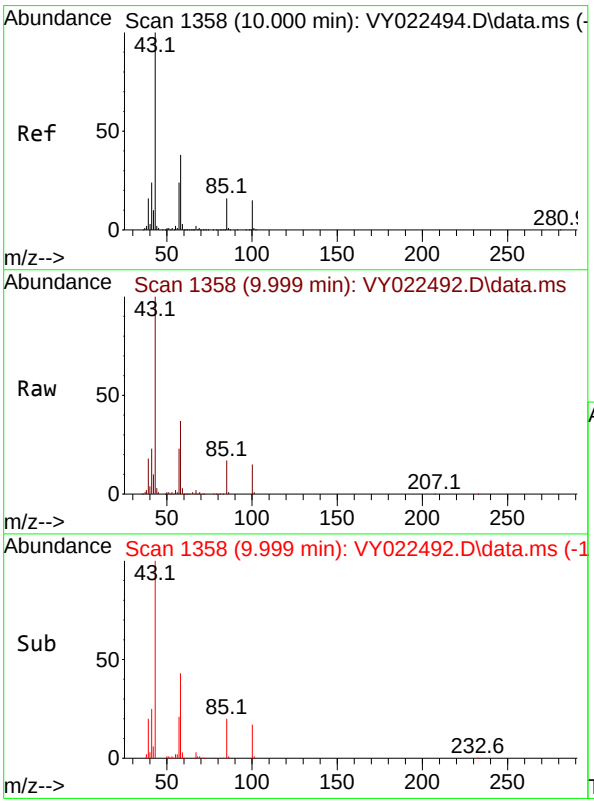
#50
Toluene-d8
Concen: 9.930 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 98 Resp: 86561

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.0

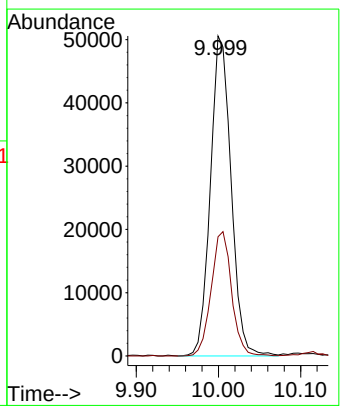


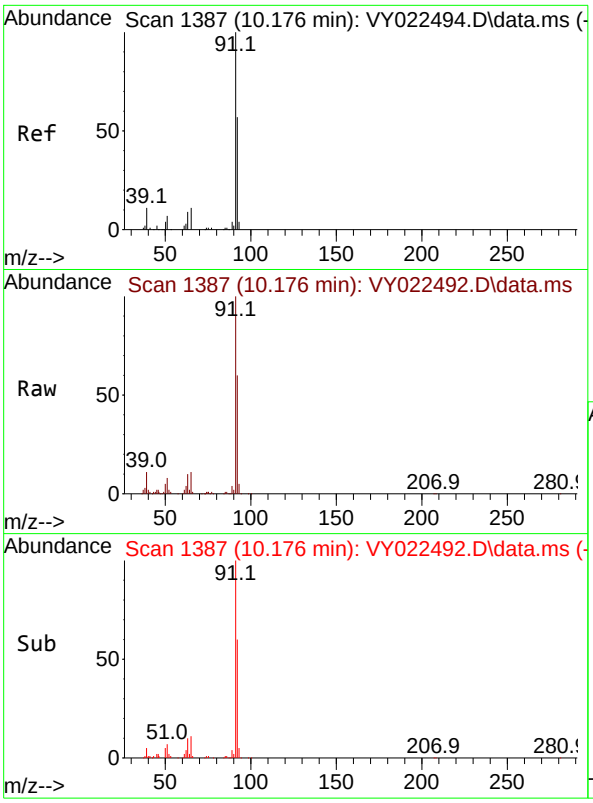


#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 88634

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.4	45.6



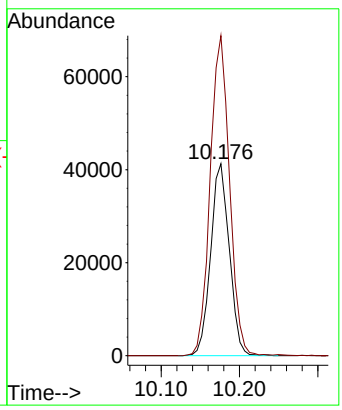


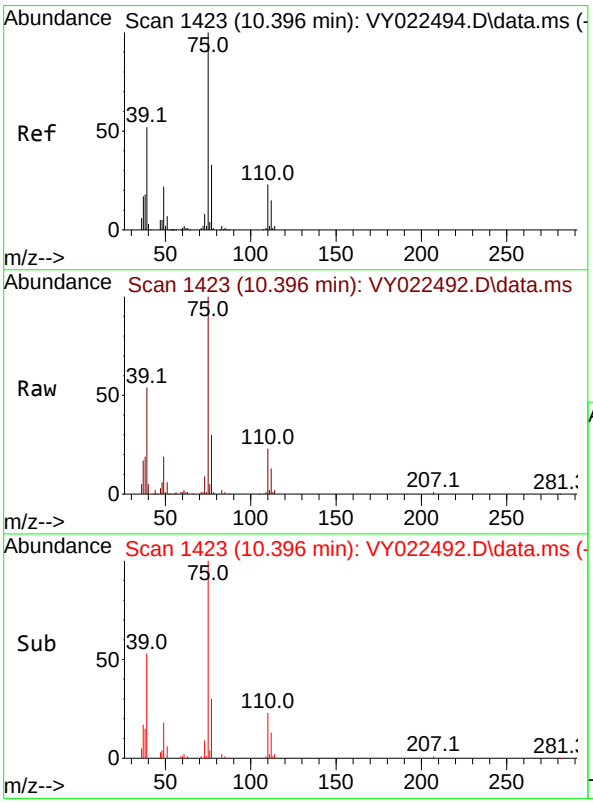
#52
Toluene
Concen: 10.565 ug/l
RT: 10.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 92 Resp: 68265

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4

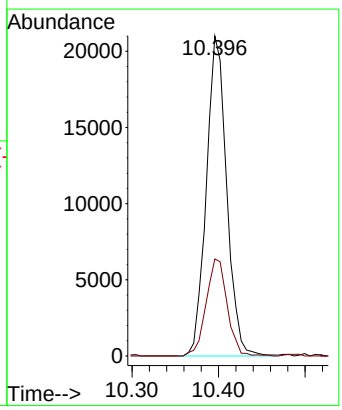


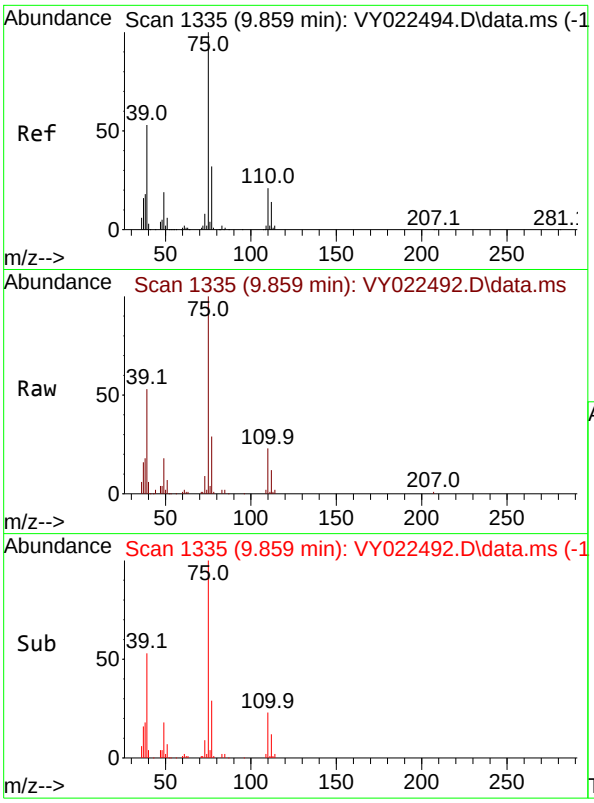


#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 34307

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.5	39.7



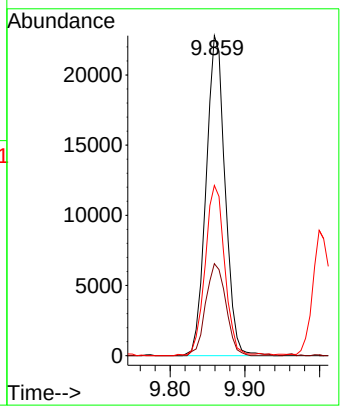


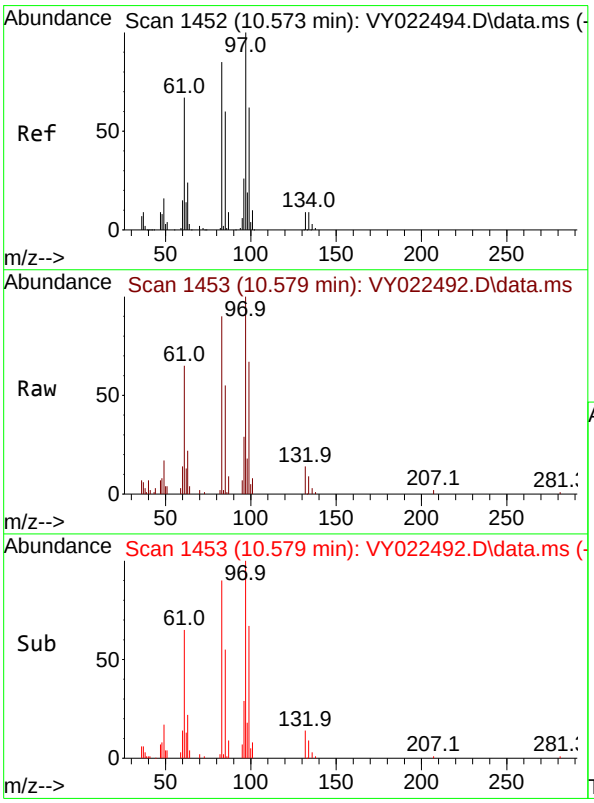
#54
cis-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 9.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 40229

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.3	37.9
39	52.8	42.7	64.1

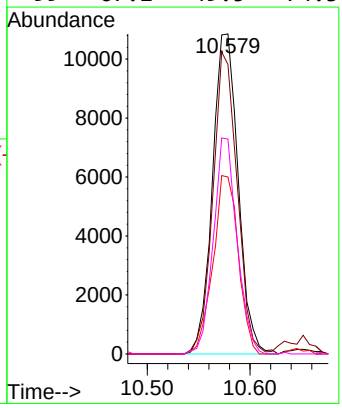


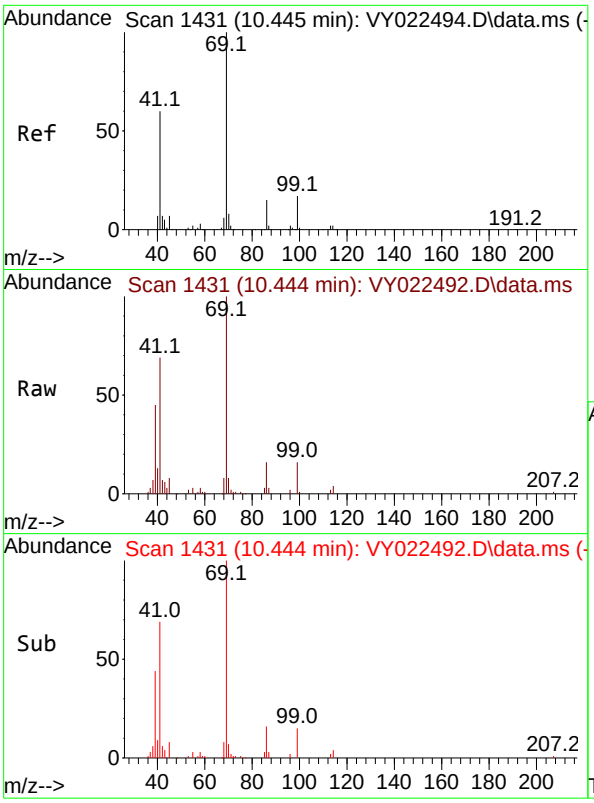


#55
1,1,2-Trichloroethane
Concen: 10.904 ug/l
RT: 10.579 min Scan# 1453
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 18848

Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	55.3	48.2	72.2
99	67.2	49.5	74.3



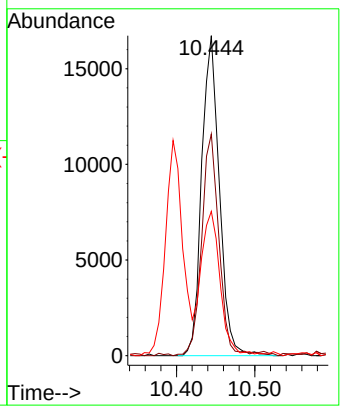


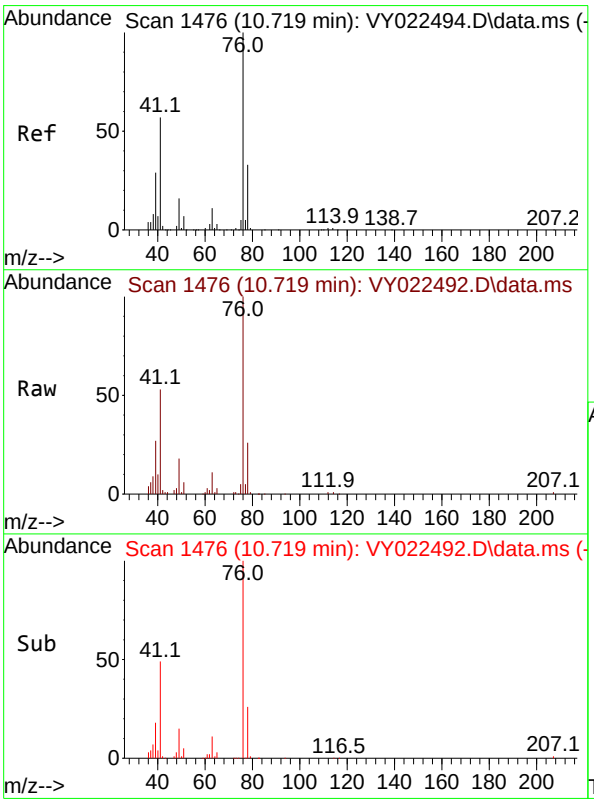
#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 69 Resp: 26171

Ion	Ratio	Lower	Upper
69	100		
41	67.3	52.2	78.2
39	47.9	36.7	55.1

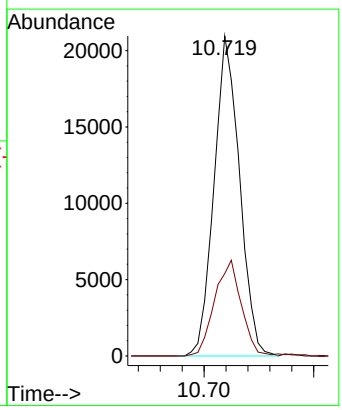


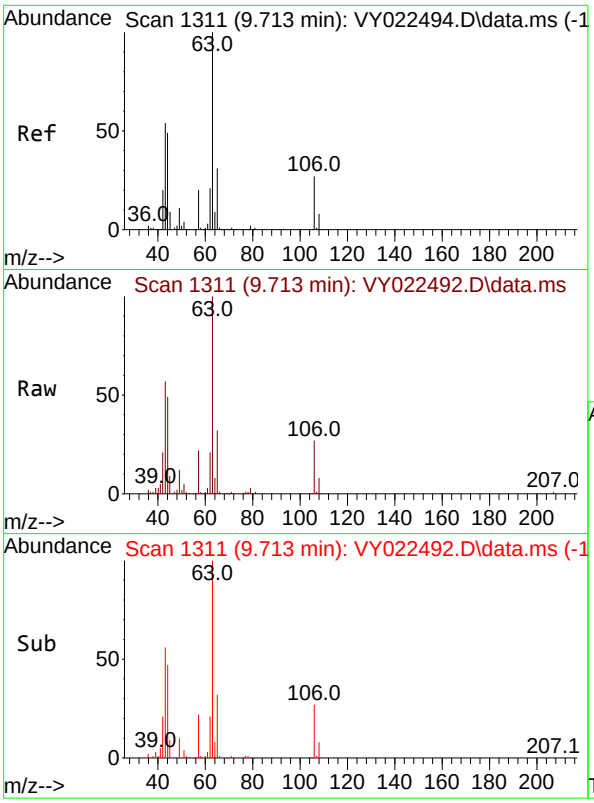


#57
1,3-Dichloropropane
Concen: 10.991 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 76 Resp: 33836

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8



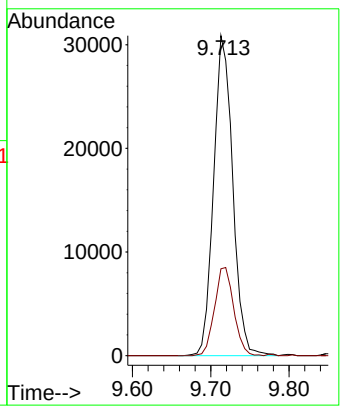


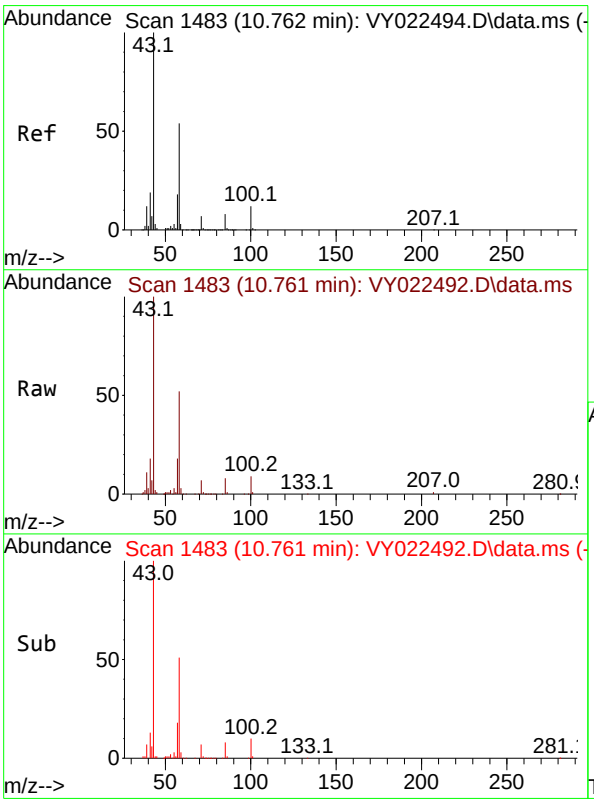
#58
2-Chloroethyl Vinyl ether
Concen: 46.819 ug/l
RT: 9.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 52396

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4

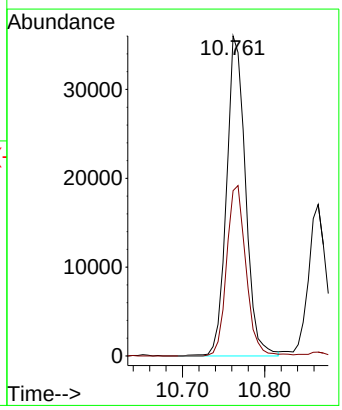


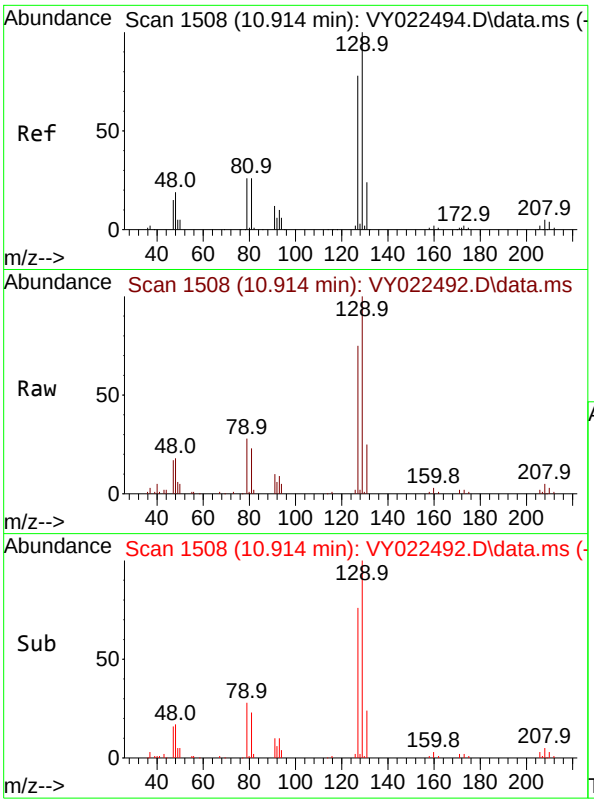


#59
2-Hexanone
Concen: 52.045 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 57738

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8



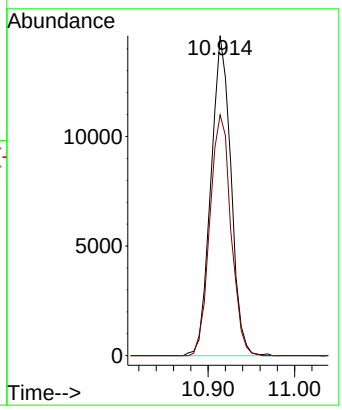


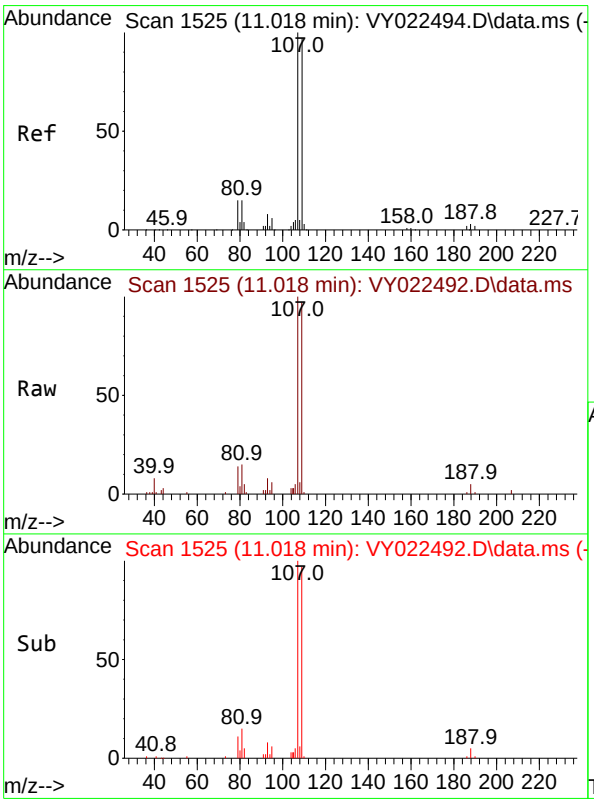
#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 10.914 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:129 Resp: 23423

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.1	117.2

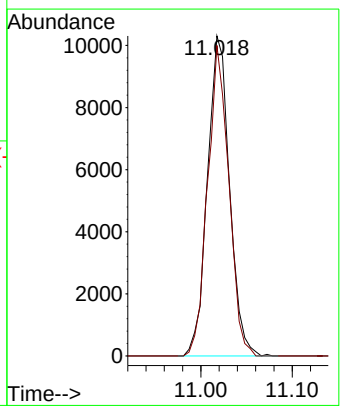


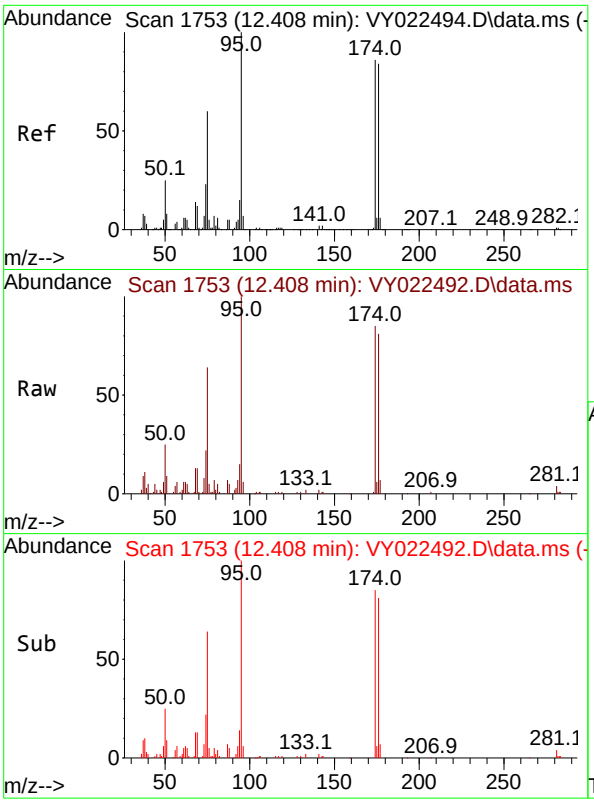


#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:107 Resp: 17302

Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.7	116.5



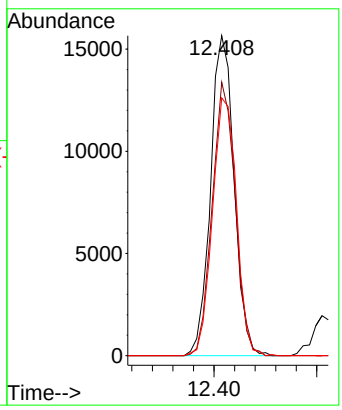


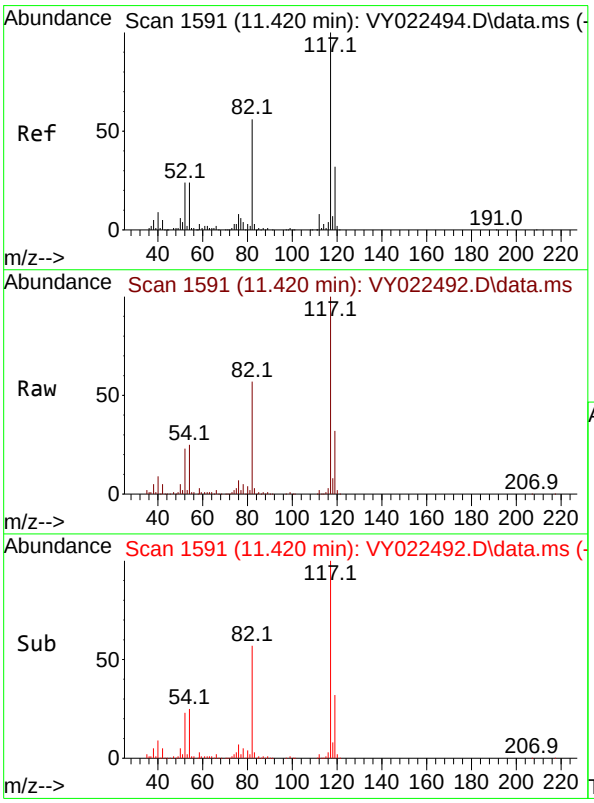
#62
4-Bromofluorobenzene
Concen: 9.409 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 95 Resp: 24870

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.0
176	82.2	0.0	166.2

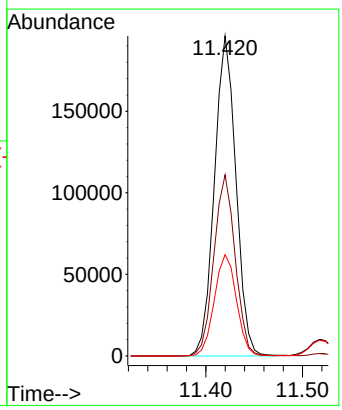


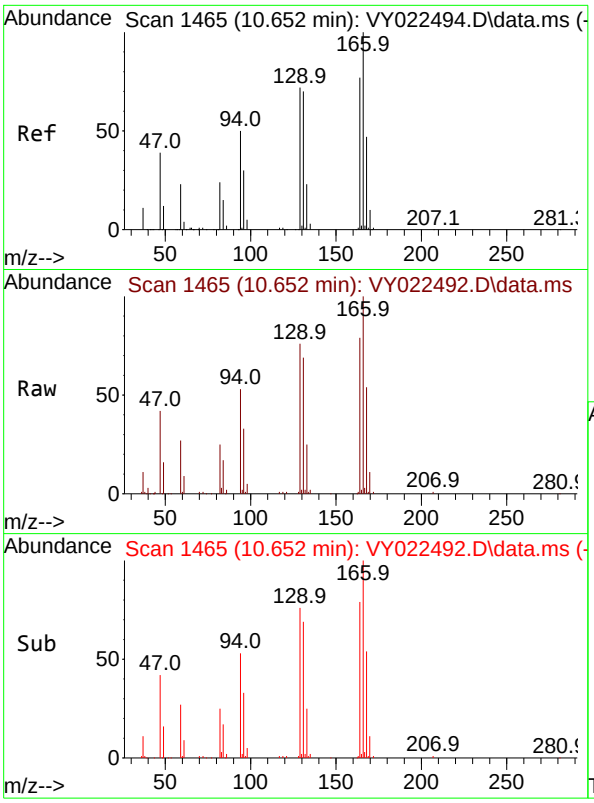


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 302825

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	31.7	25.4	38.0



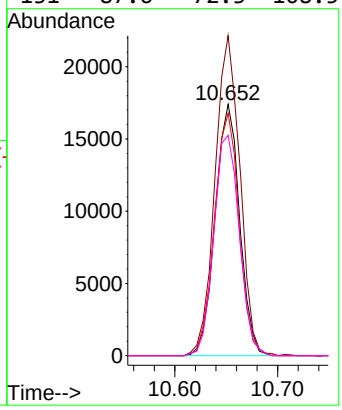


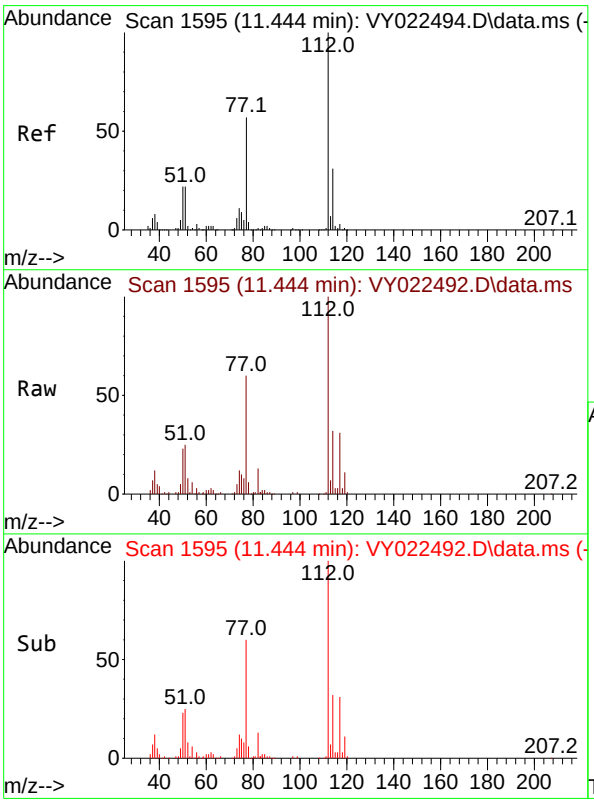
#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:164 Resp: 28680

Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.0	156.0
129	96.5	74.5	111.7
131	87.6	72.3	108.5

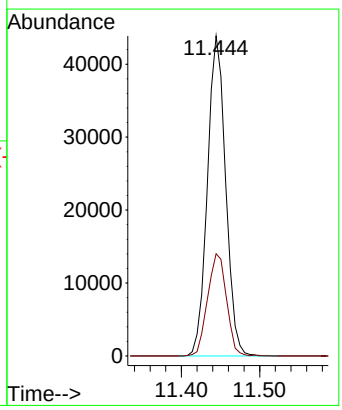


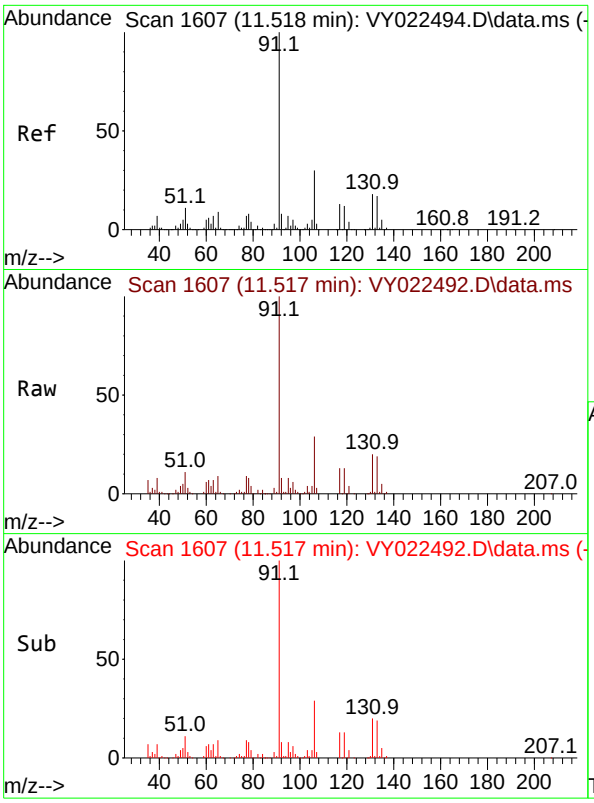


#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:112 Resp: 70845

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



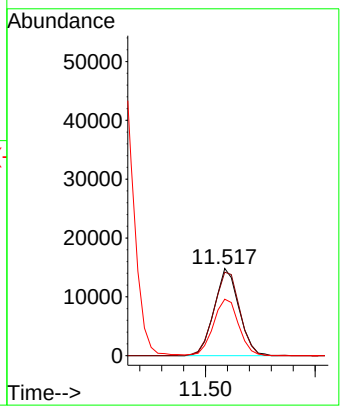


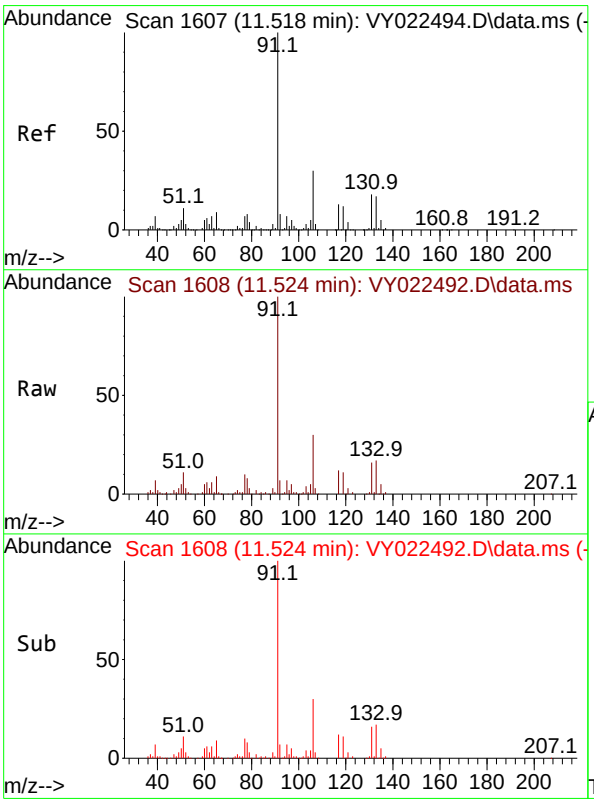
#66
1,1,1,2-Tetrachloroethane
Concen: 10.427 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:131 Resp: 23209

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.3	141.8
119	66.5	33.1	99.3

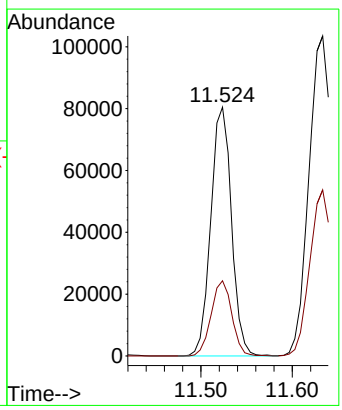


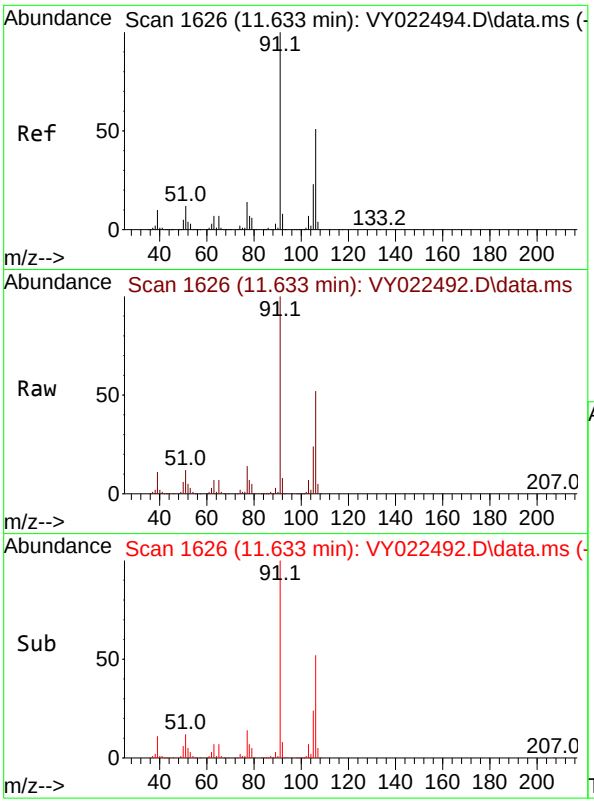


#67
Ethyl Benzene
Concen: 10.350 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 126556

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



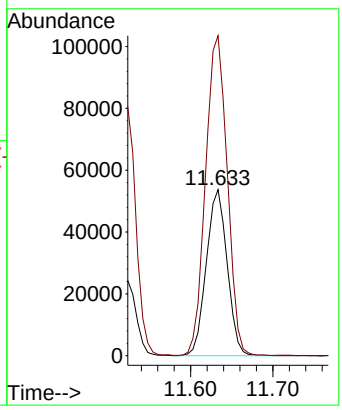


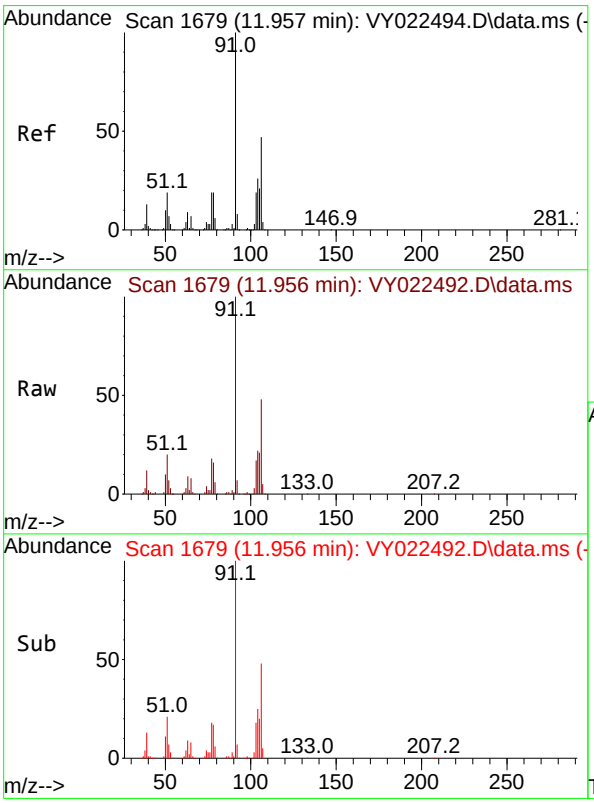
#68
m/p-Xylenes
Concen: 20.427 ug/l
RT: 11.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 94535

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0

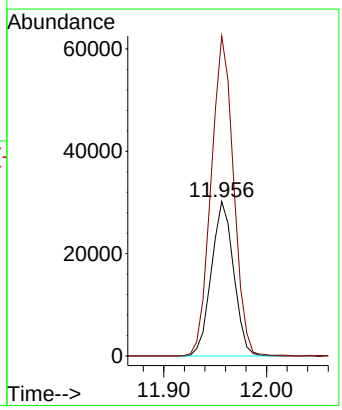


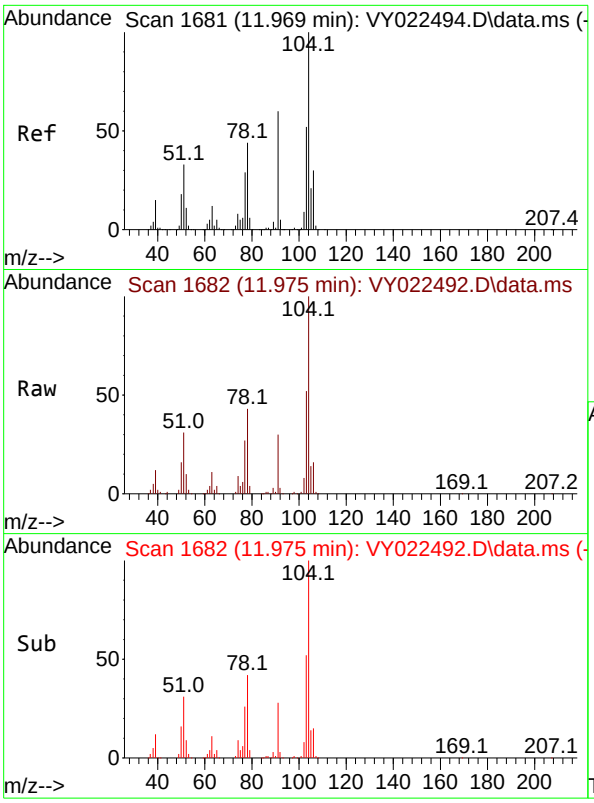


#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 45374

Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3



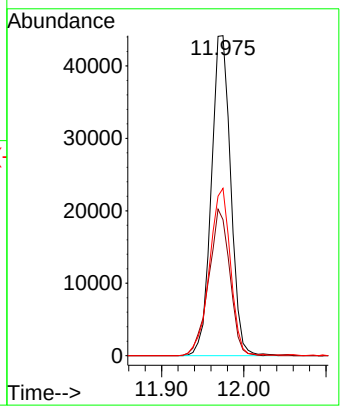


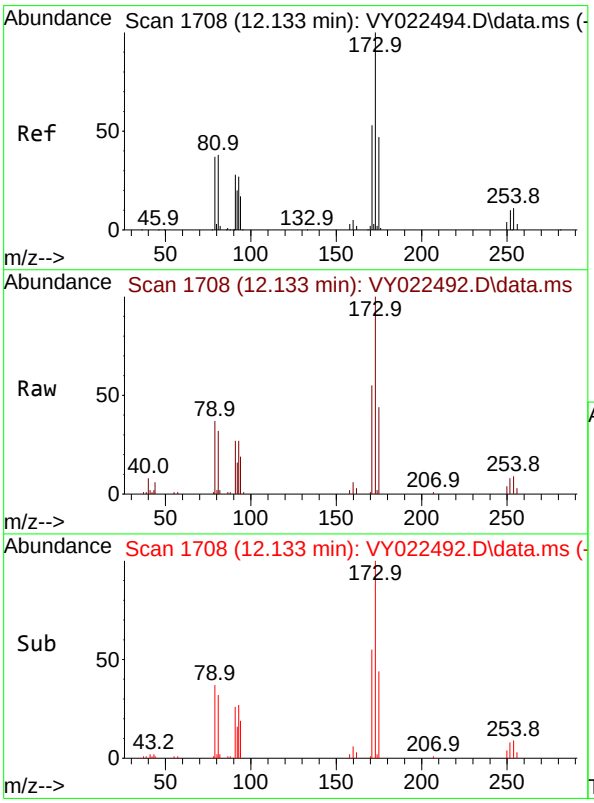
#70
Styrene
Concen: 10.092 ug/l
RT: 11.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:104 Resp: 72373

Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.5	59.3
103	56.9	44.1	66.1

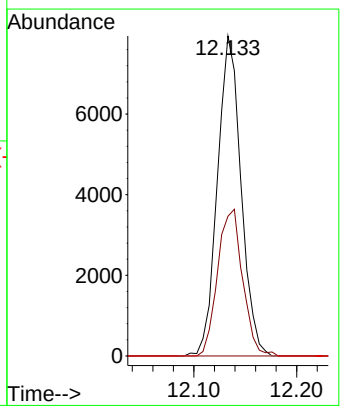


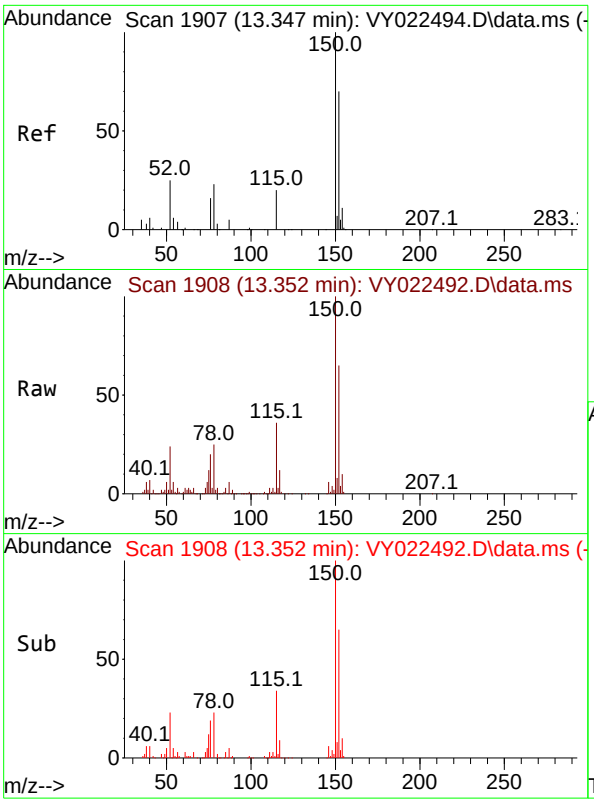


#71
Bromoform
Concen: 10.804 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:173 Resp: 12637

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.0	0.0	0.0



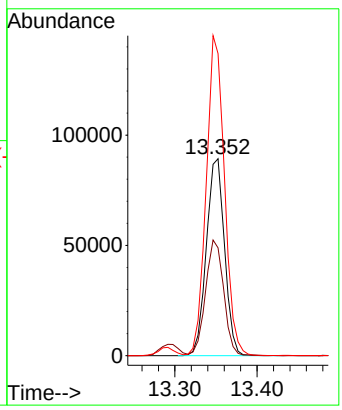


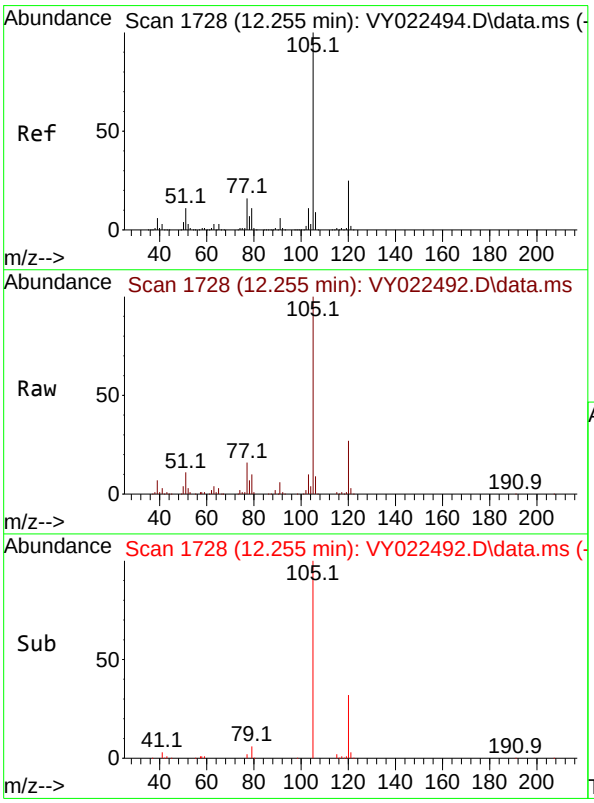
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:152 Resp: 137338

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	162.7	0.0	349.6

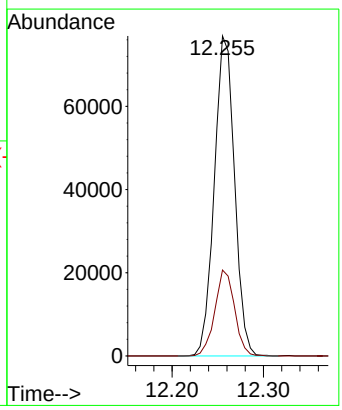


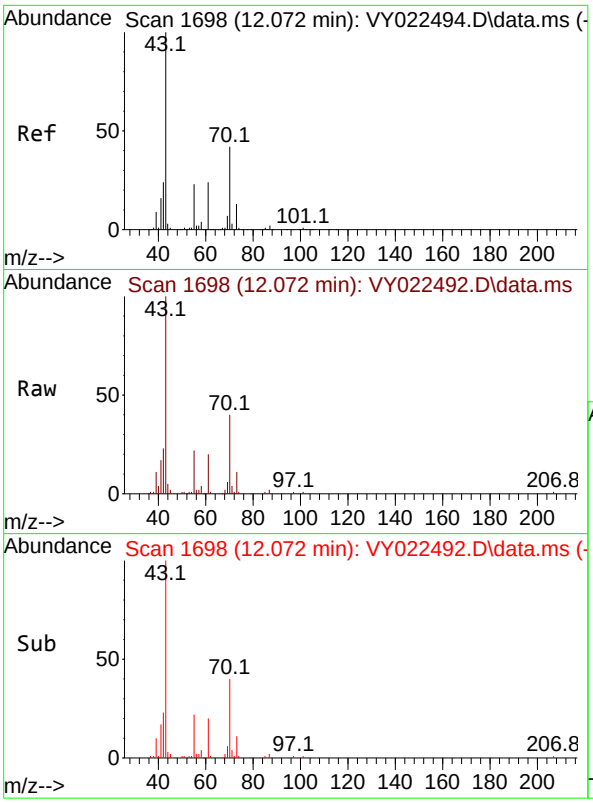


#73
Isopropylbenzene
Concen: 10.695 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 118344

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



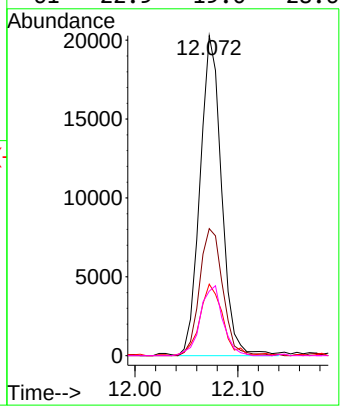


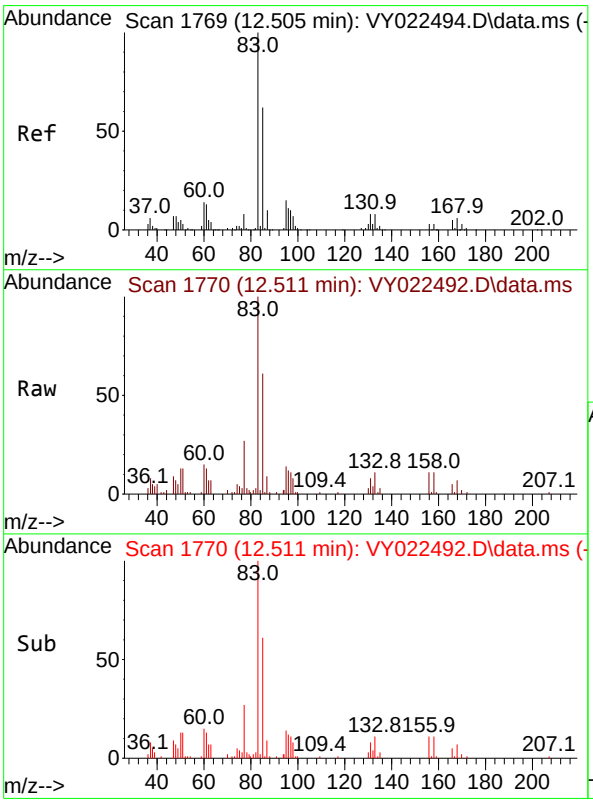
#74
N-amyl acetate
Concen: 10.581 ug/l
RT: 12.072 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 29609

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	23.8	18.2	27.4
61	22.9	19.0	28.6

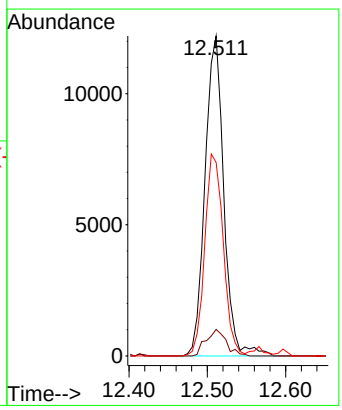


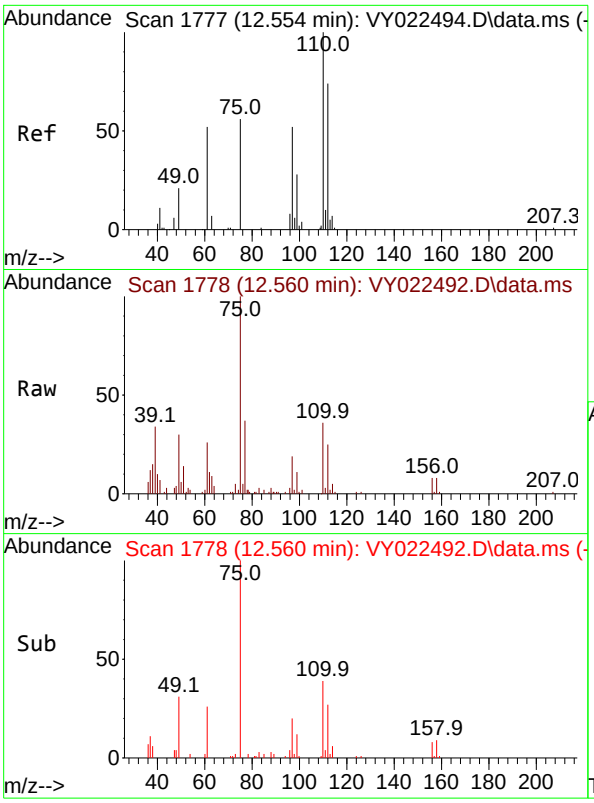


#75
1,1,2,2-Tetrachloroethane
Concen: 11.276 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 20264

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	62.2	32.6	97.8



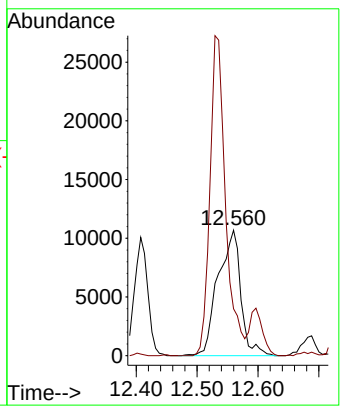


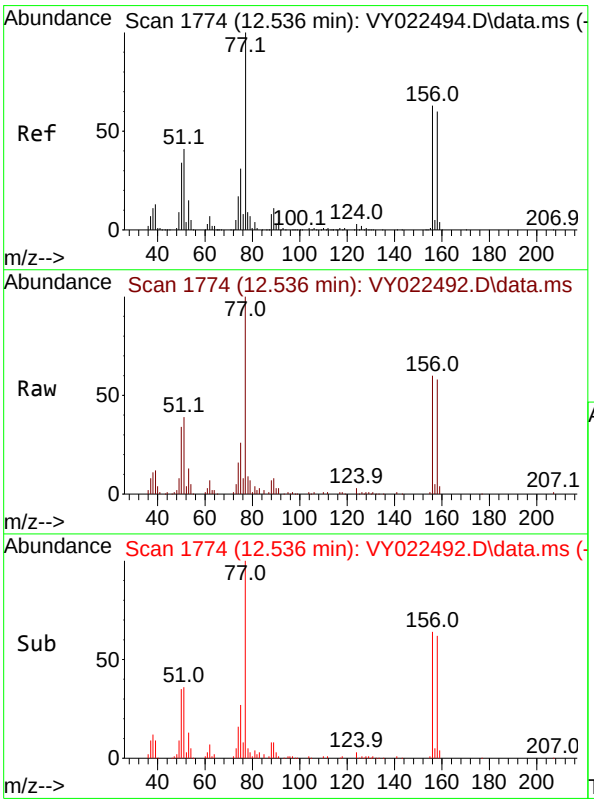
#76
1,2,3-Trichloropropane
Concen: 15.277 ug/l
RT: 12.560 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 27698

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

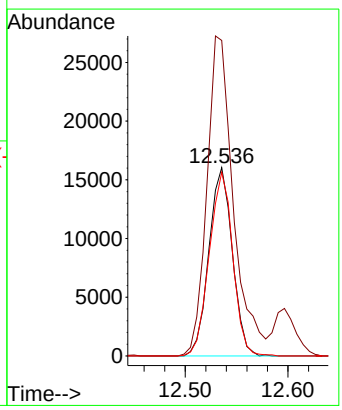


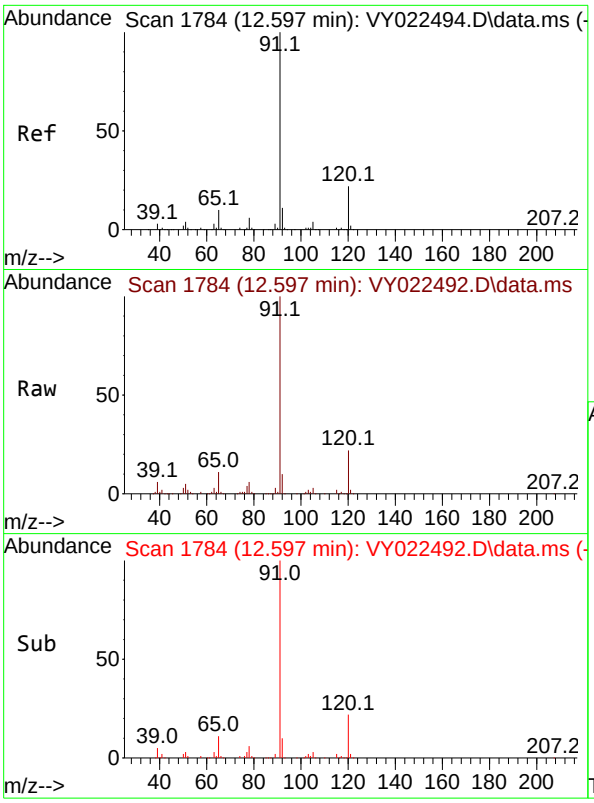


#77
Bromobenzene
Concen: 10.827 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:156 Resp: 25392

Ion	Ratio	Lower	Upper
156	100		
77	191.7	94.0	282.1
158	97.6	48.2	144.6



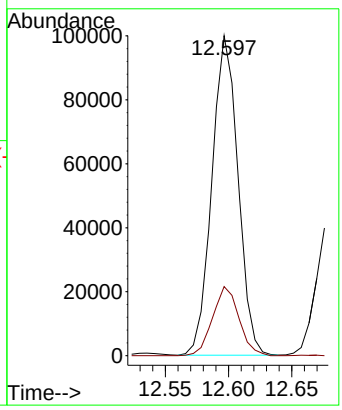


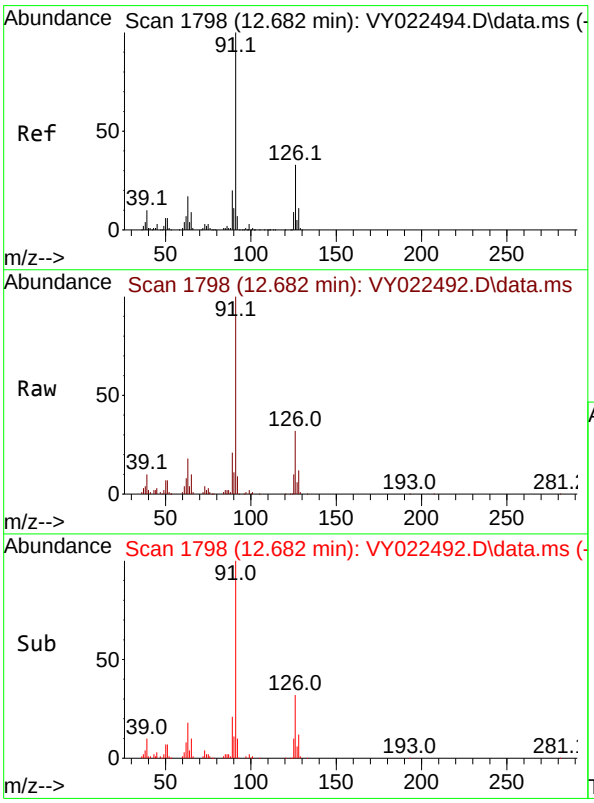
#78
n-propylbenzene
Concen: 10.648 ug/l
RT: 12.597 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 143414

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

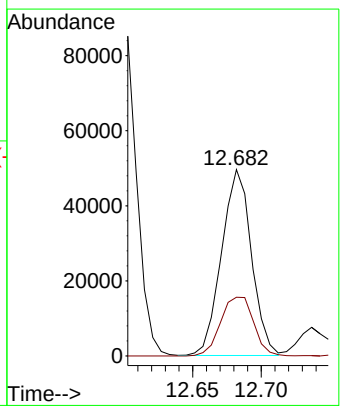


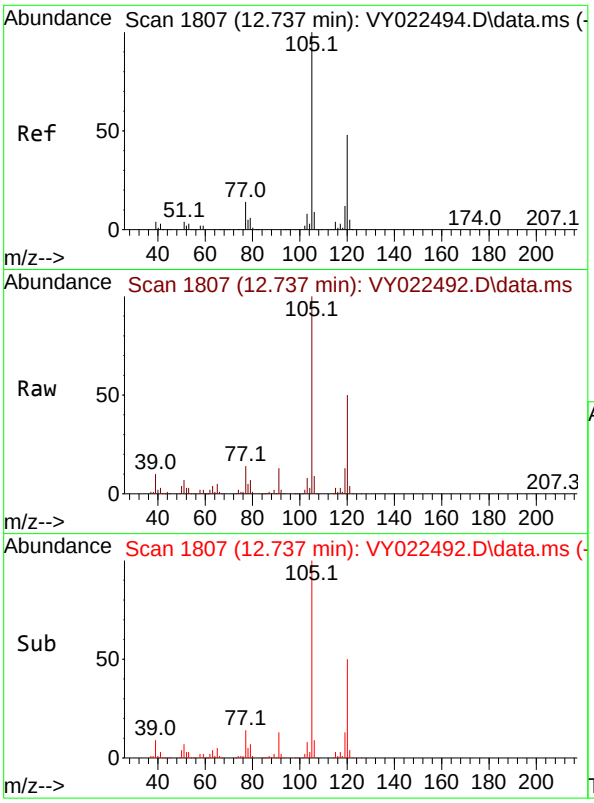


#79
2-Chlorotoluene
Concen: 10.591 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 75325

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0



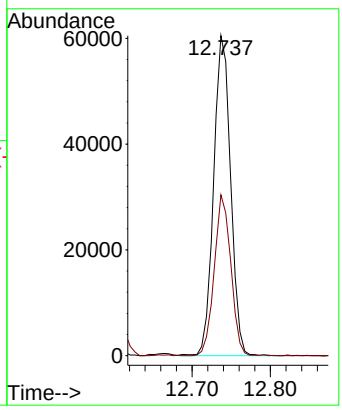


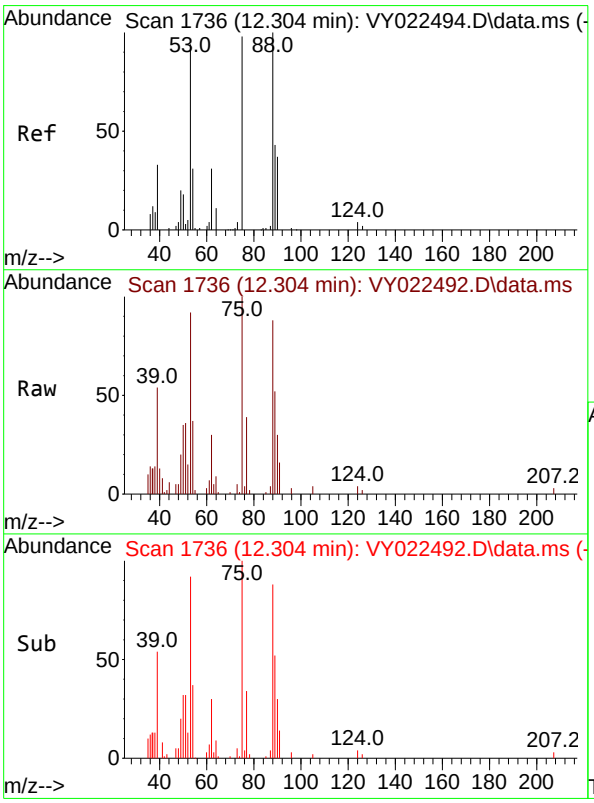
#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 91121

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4

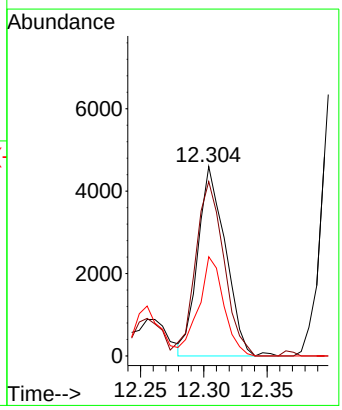


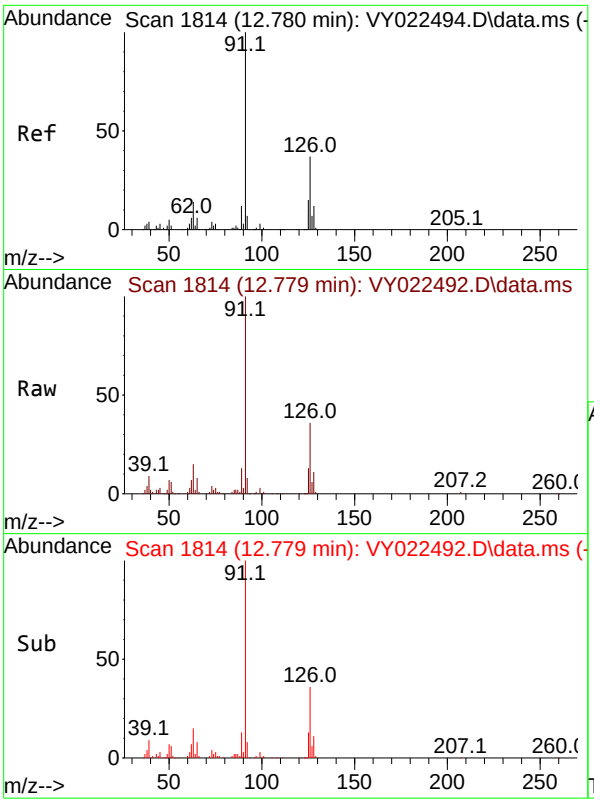


#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 7009

Ion	Ratio	Lower	Upper
75	100		
53	94.7	78.5	117.7
89	47.6	35.7	53.5



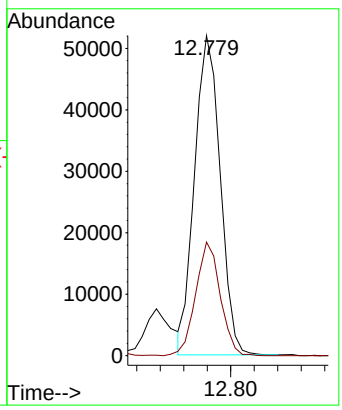


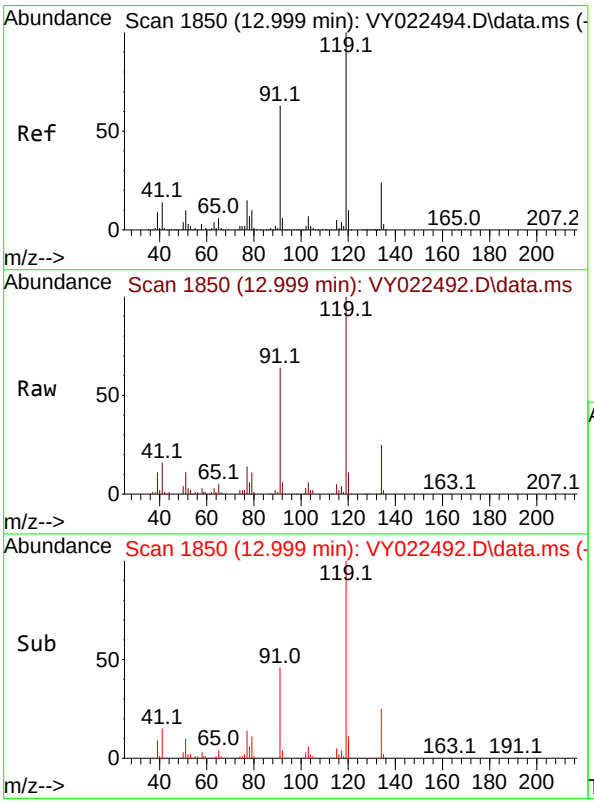
#82
4-Chlorotoluene
Concen: 10.676 ug/l
RT: 12.779 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 78689

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

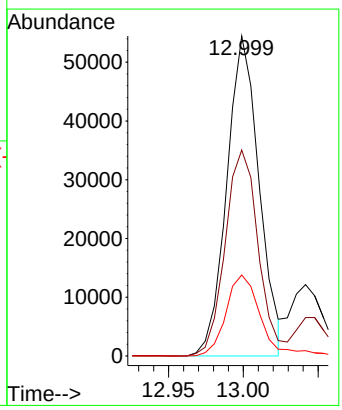


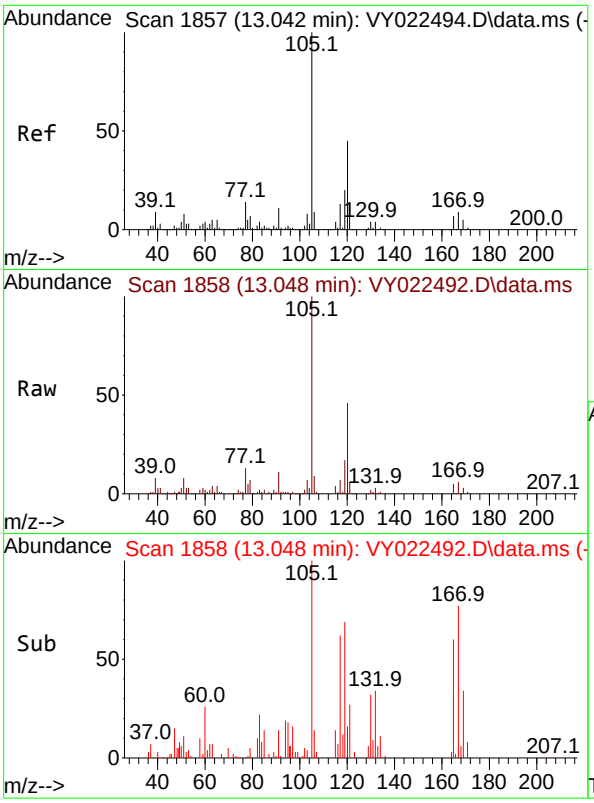


#83
tert-Butylbenzene
Concen: 10.367 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 81823

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.1	96.3
134	27.2	13.0	38.9



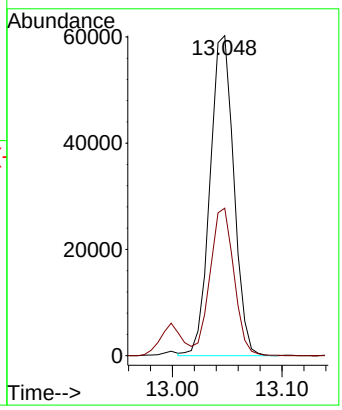


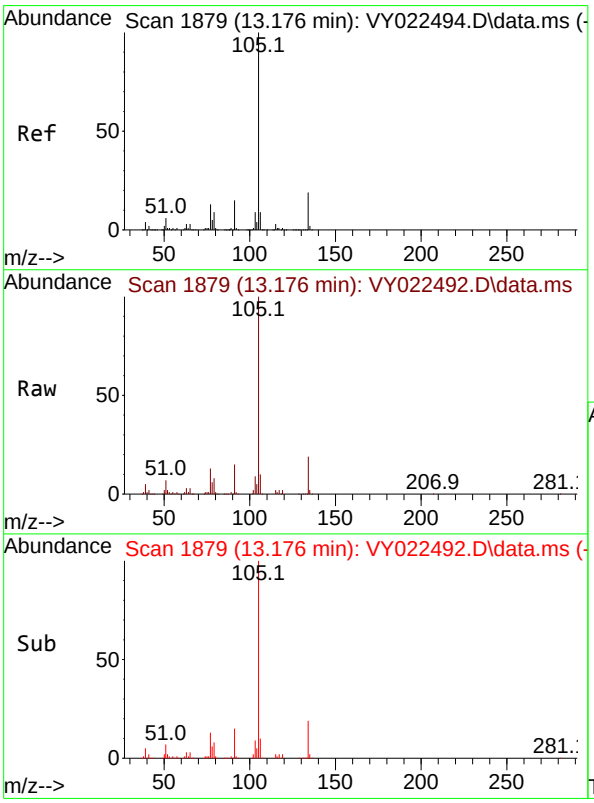
#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.048 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 90848

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1

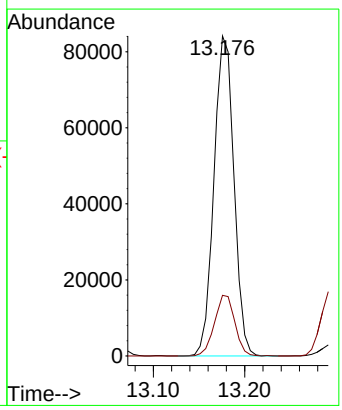


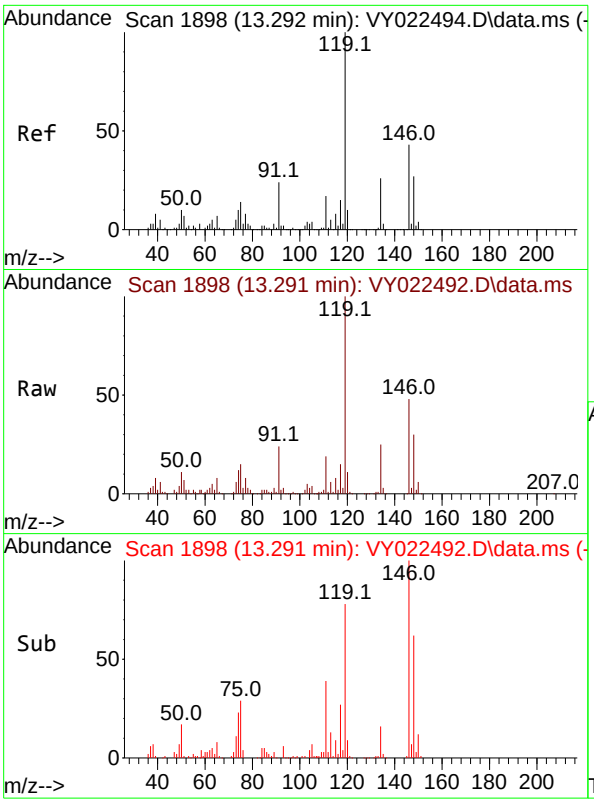


#85
sec-Butylbenzene
Concen: 10.678 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 127776

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



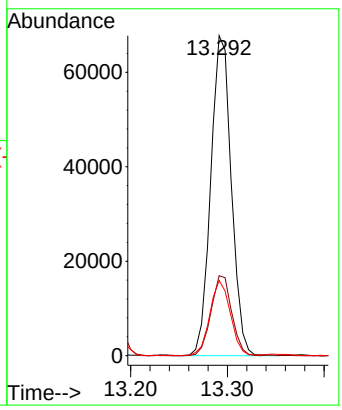


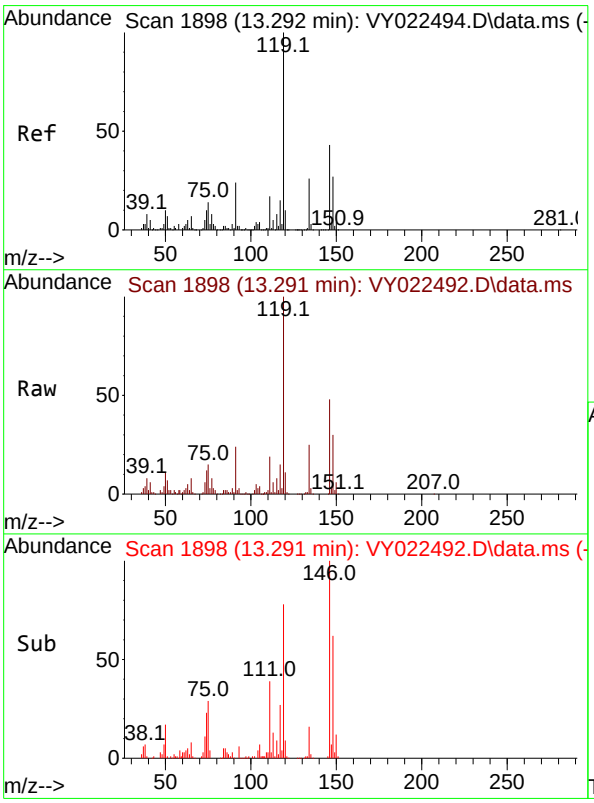
#86
p-Isopropyltoluene
Concen: 10.158 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 99940

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.1	39.1
91	23.5	11.6	34.8

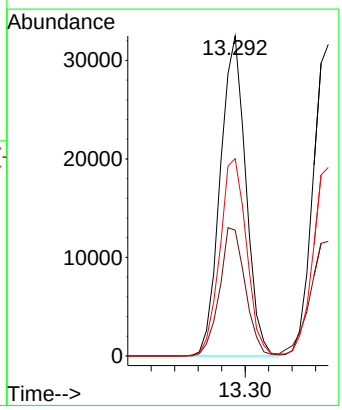


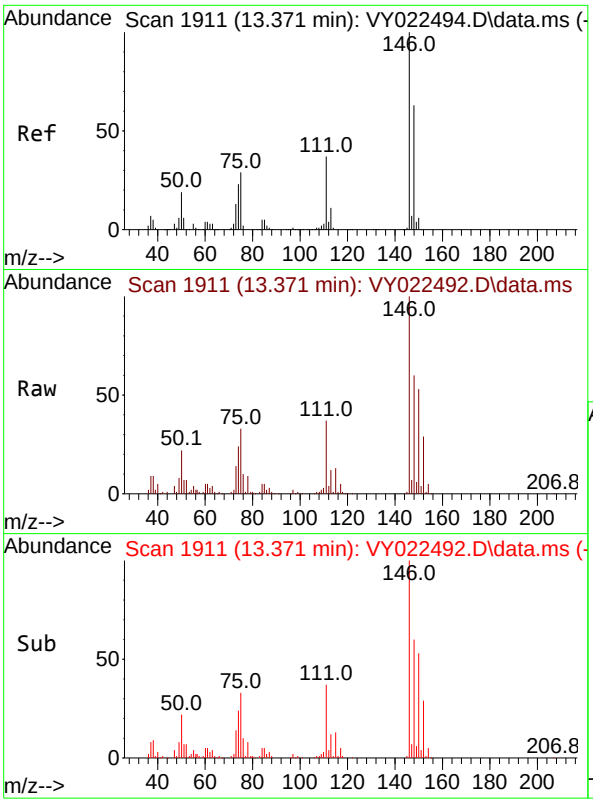


#87
1,3-Dichlorobenzene
Concen: 10.437 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 48971

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.6	32.1	96.3



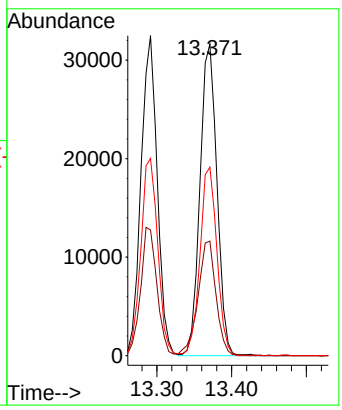


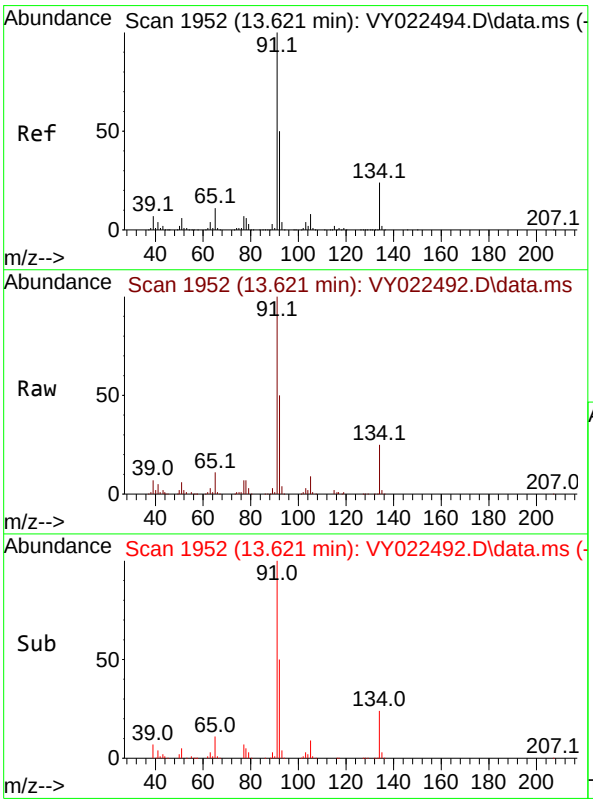
#88
1,4-Dichlorobenzene
Concen: 10.900 ug/l
RT: 13.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 49834

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	60.6	31.6	94.8

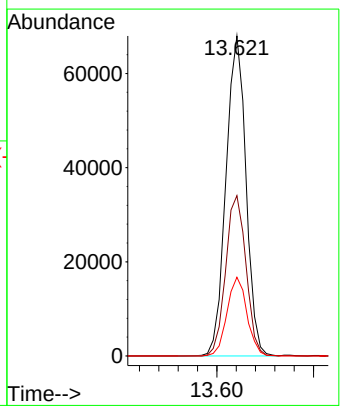


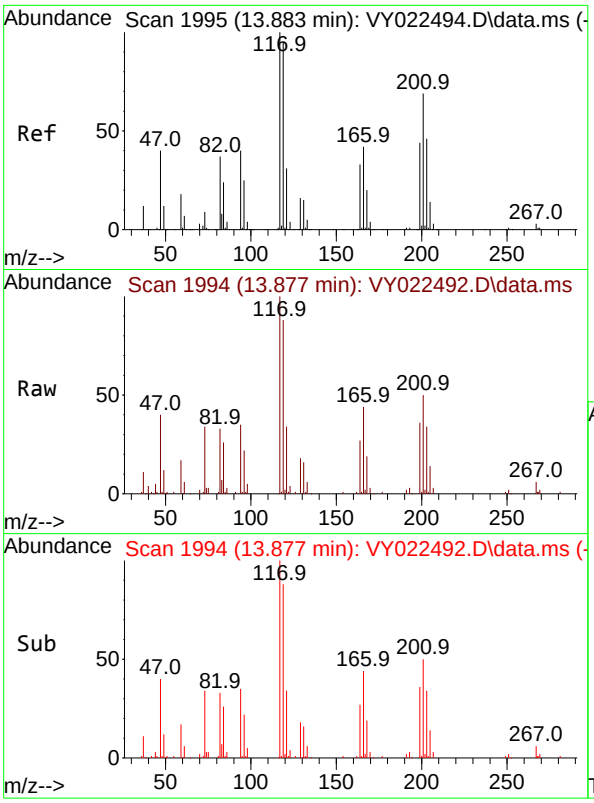


#89
n-Butylbenzene
Concen: 10.413 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 97544

Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.8
134	24.6	12.0	36.1



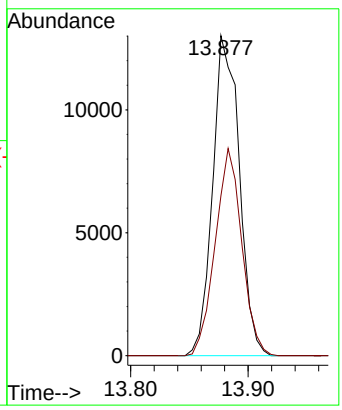


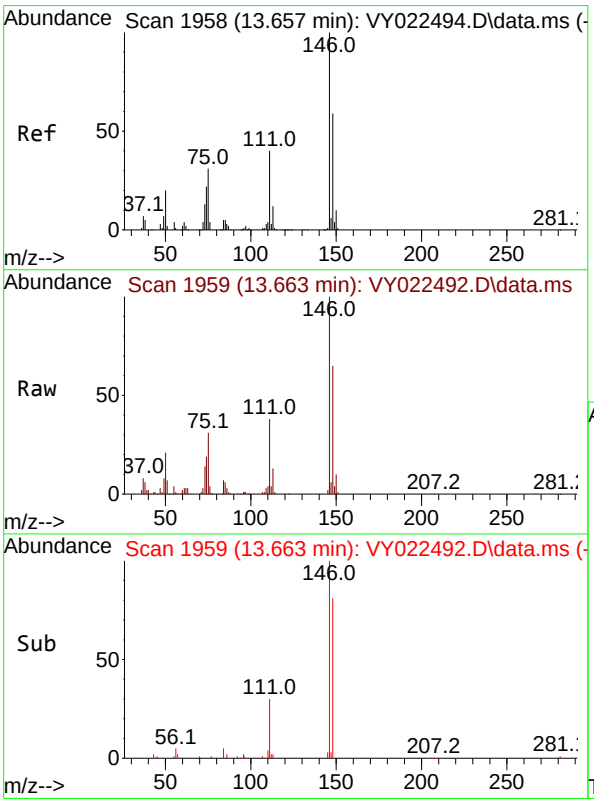
#90
Hexachloroethane
Concen: 10.631 ug/l
RT: 13.877 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 20466

Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0

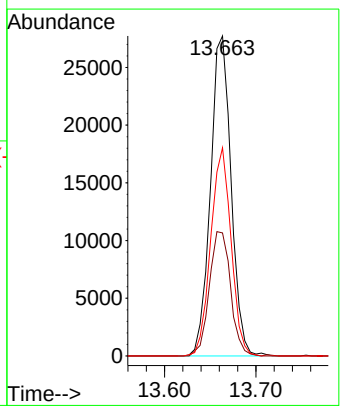


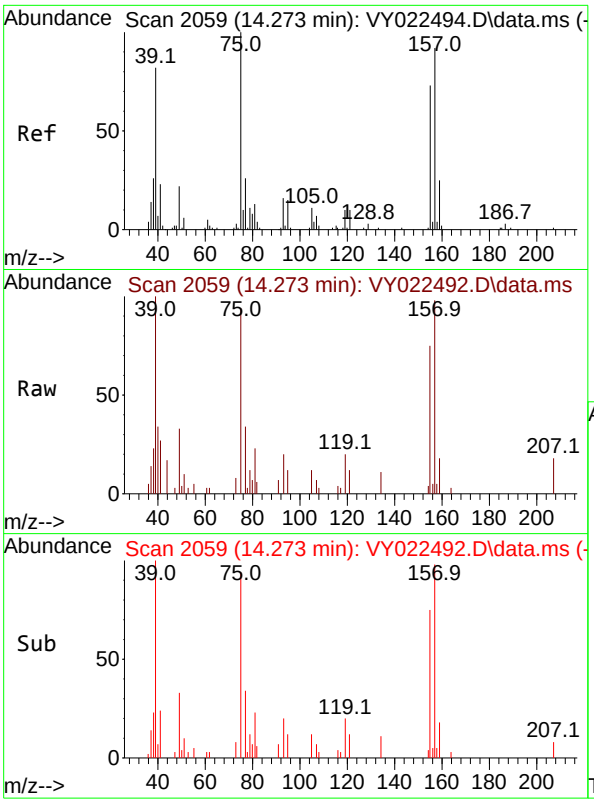


#91
1,2-Dichlorobenzene
Concen: 10.781 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 43460

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	64.0	31.4	94.0



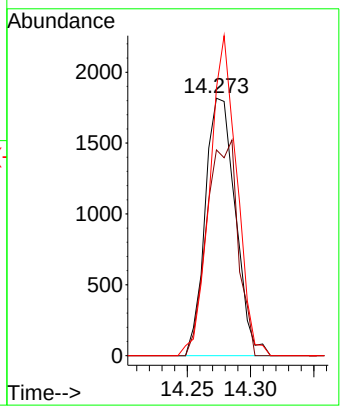


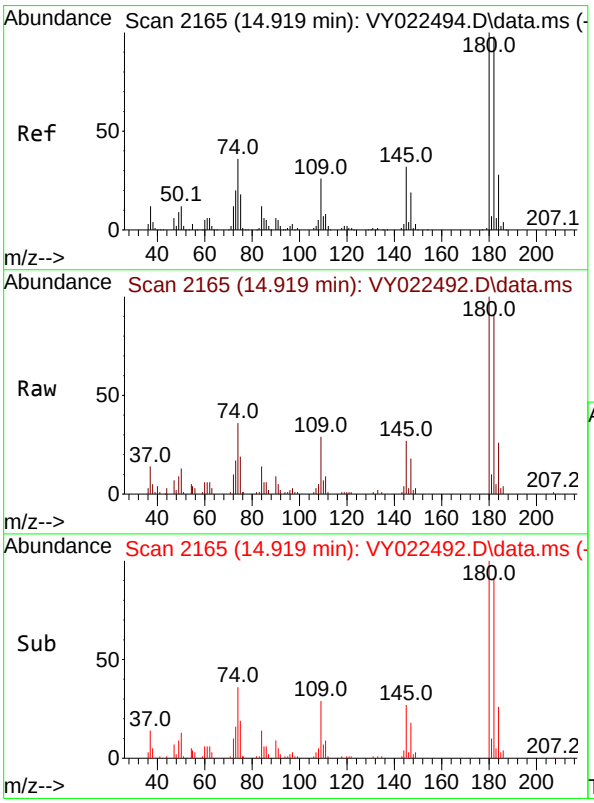
#92
1,2-Dibromo-3-Chloropropane
Concen: 11.095 ug/l
RT: 14.273 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 3014

Ion	Ratio	Lower	Upper
75	100		
155	86.2	39.9	119.6
157	111.3	54.0	162.0

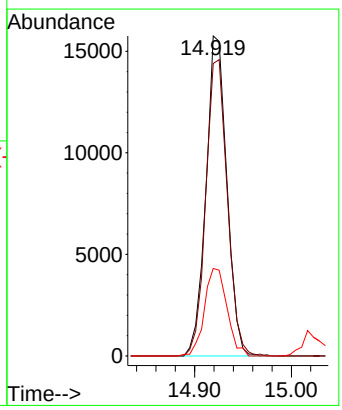


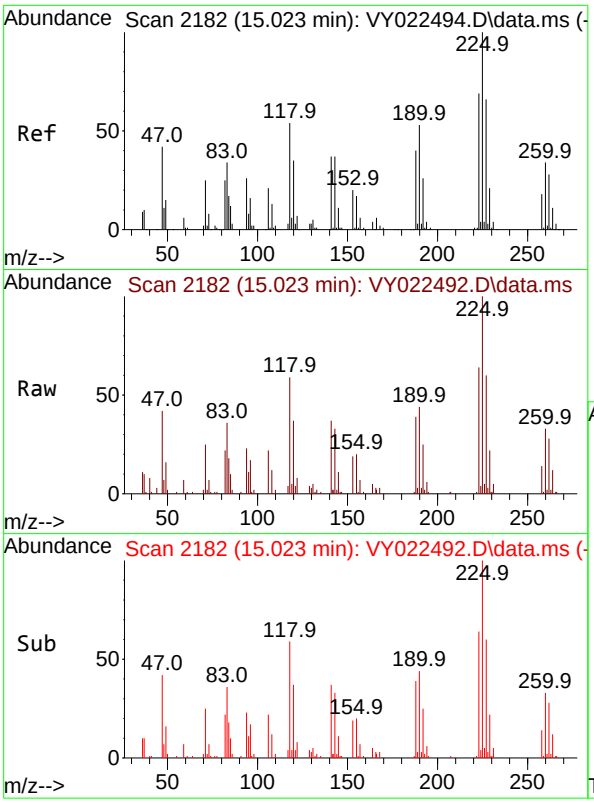


#93
1,2,4-Trichlorobenzene
Concen: 10.760 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 23710

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.3
145	29.5	15.5	46.5



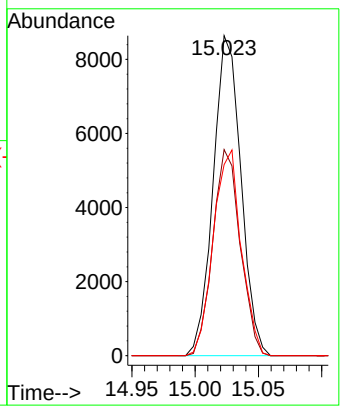


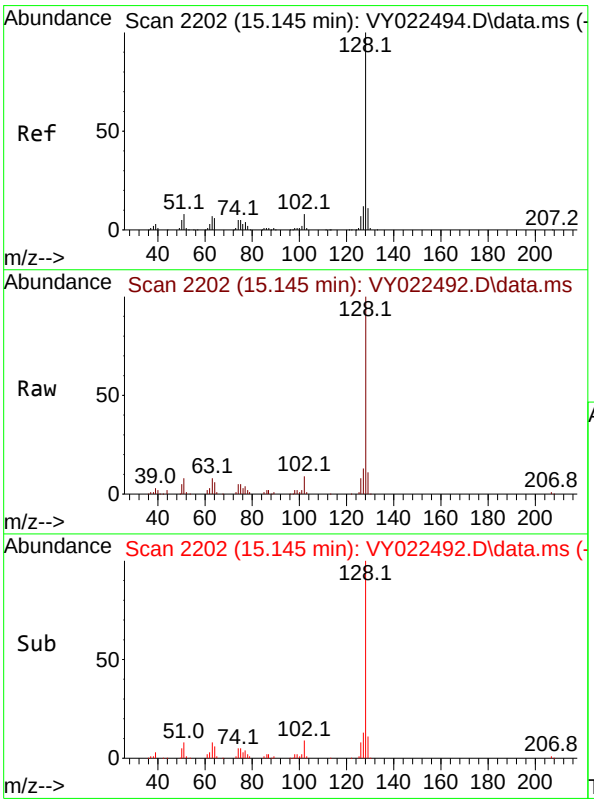
#94
Hexachlorobutadiene
Concen: 10.951 ug/l
RT: 15.023 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:225 Resp: 13179

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.5	97.4
227	64.7	32.3	96.9

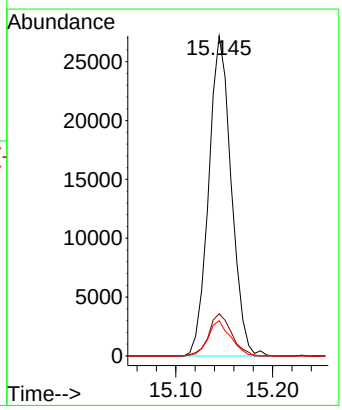


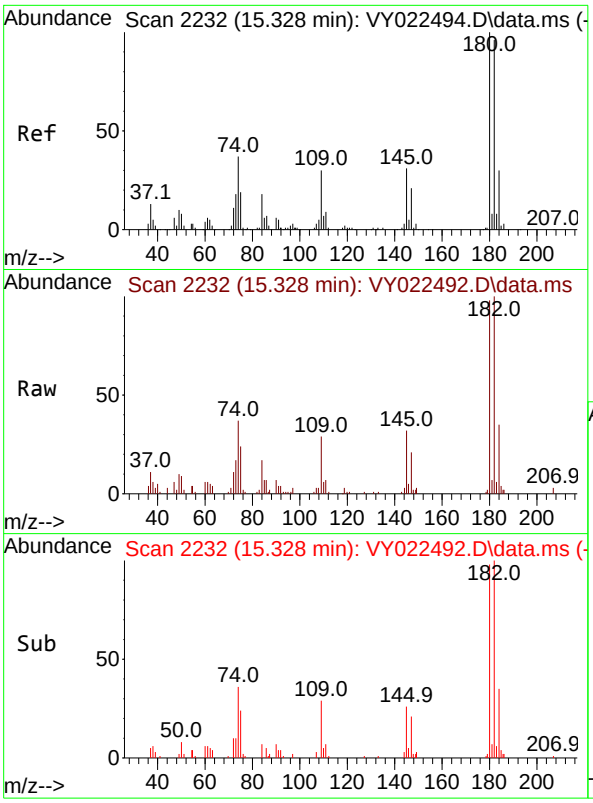


#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:128 Resp: 44061

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.9	13.3



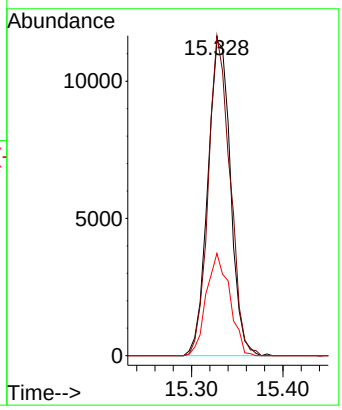


#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.328 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 19814

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.1	141.3
145	33.5	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	56811	29.805	ug/l	#	100
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

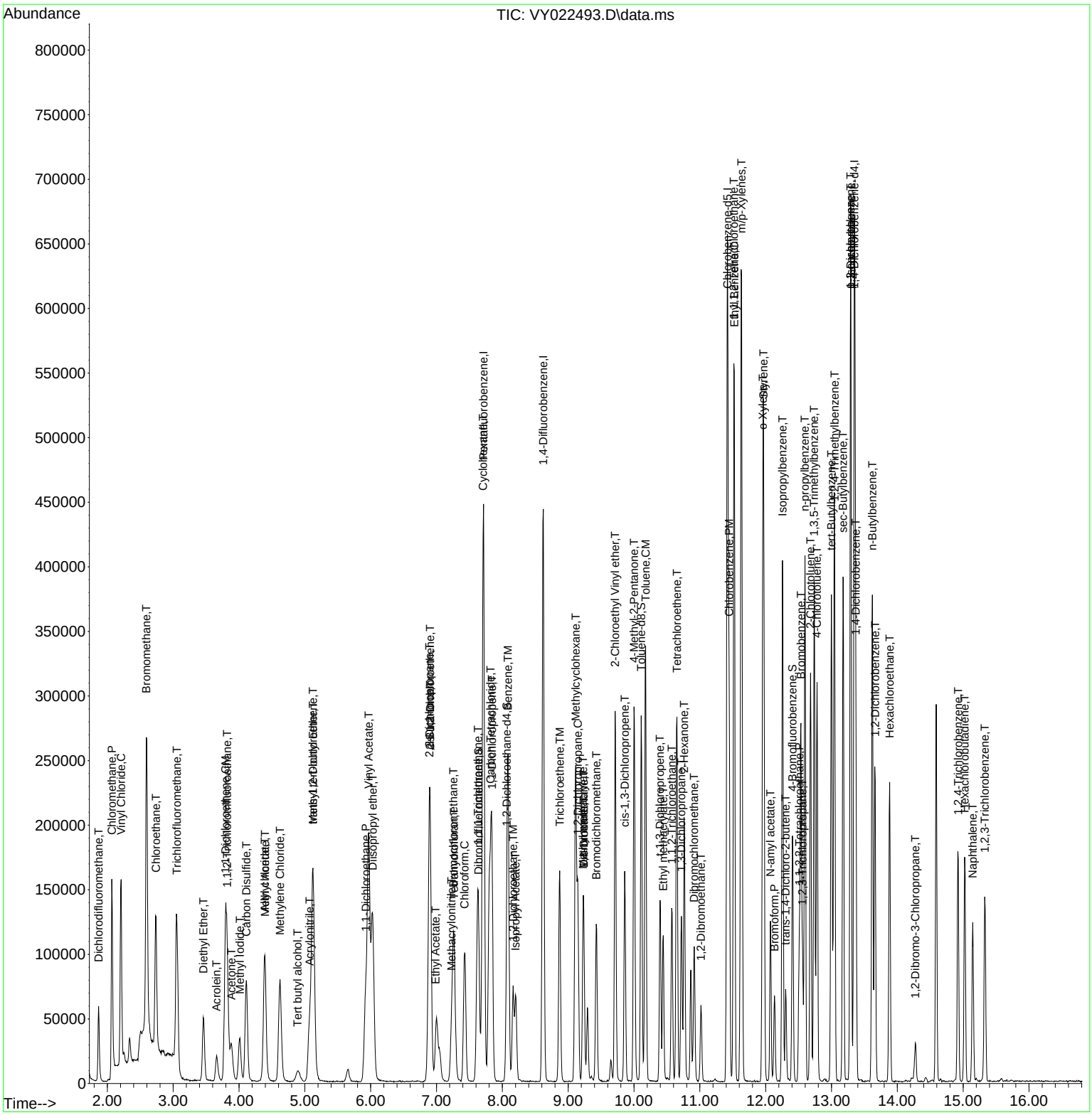
(#) = qualifier out of range (m) = manual integration (+) = signals summed

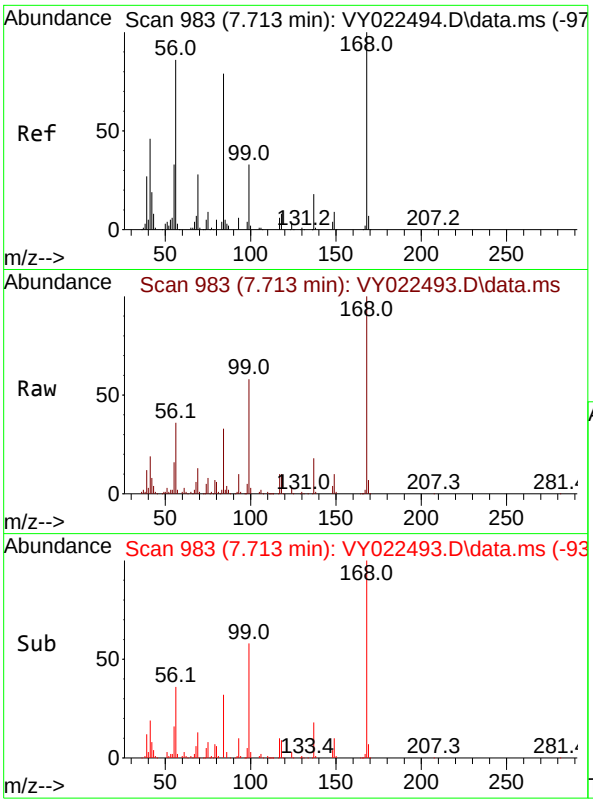
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



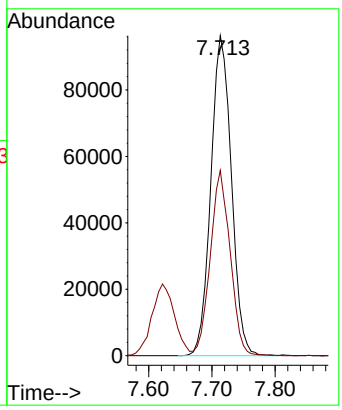


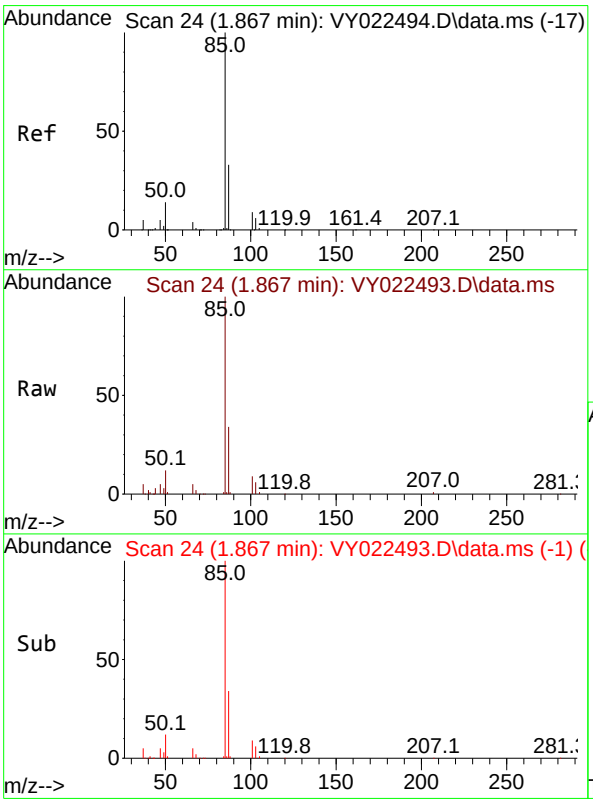
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 217359

Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5

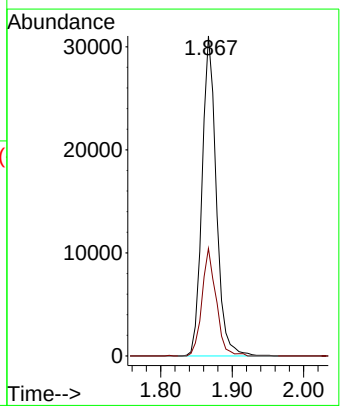


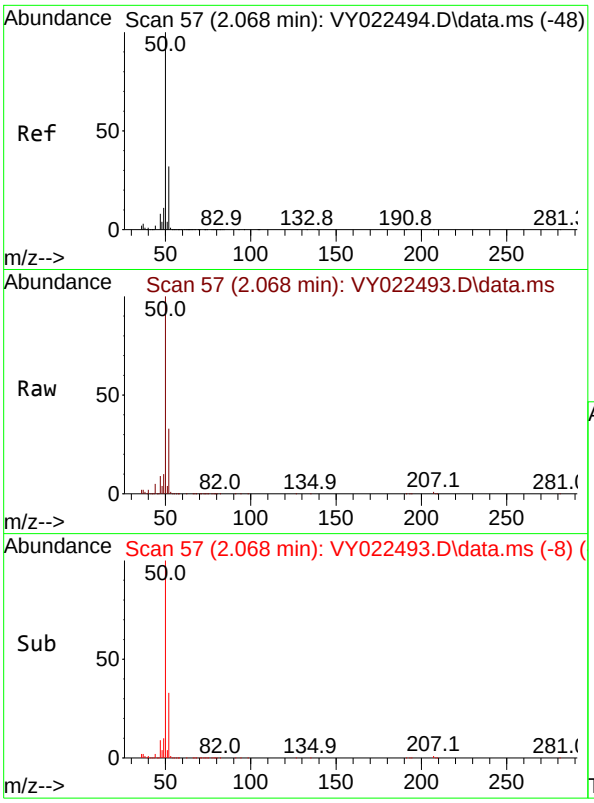


#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 85 Resp: 43056

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.7	50.0



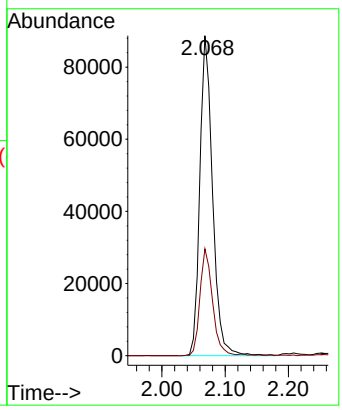


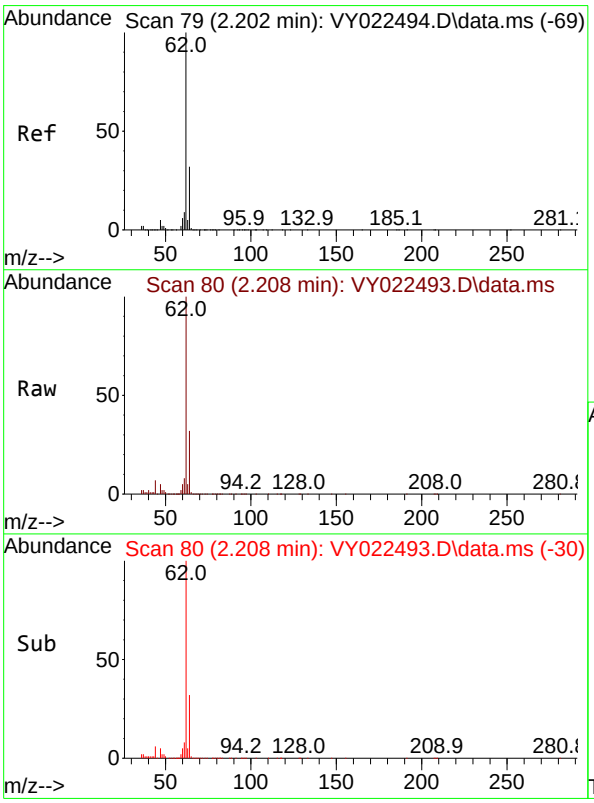
#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 124441

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0

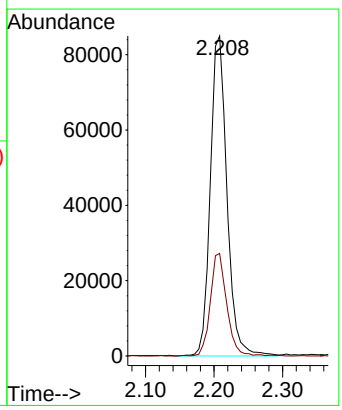


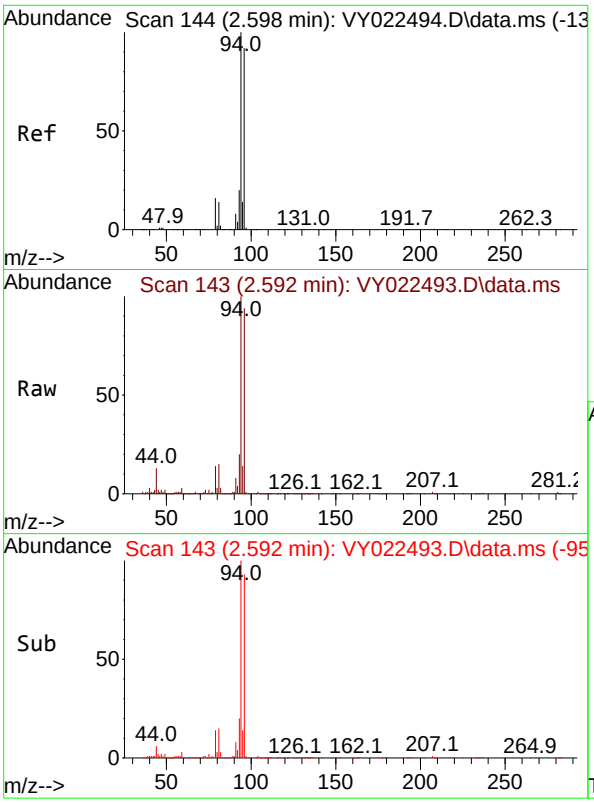


#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9



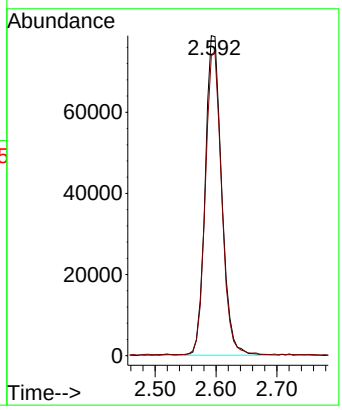


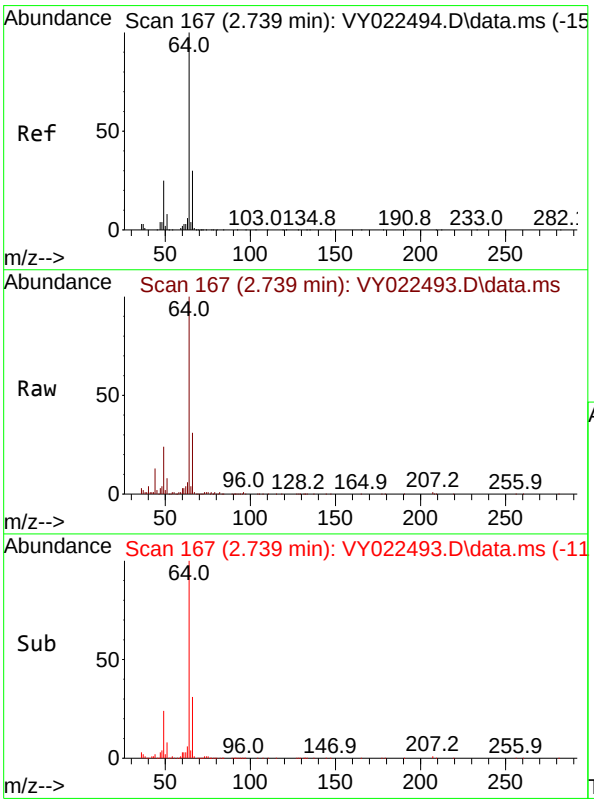
#5
Bromomethane
Concen: 23.891 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 148203

Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.0	111.0

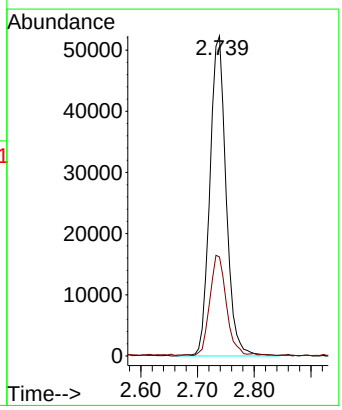


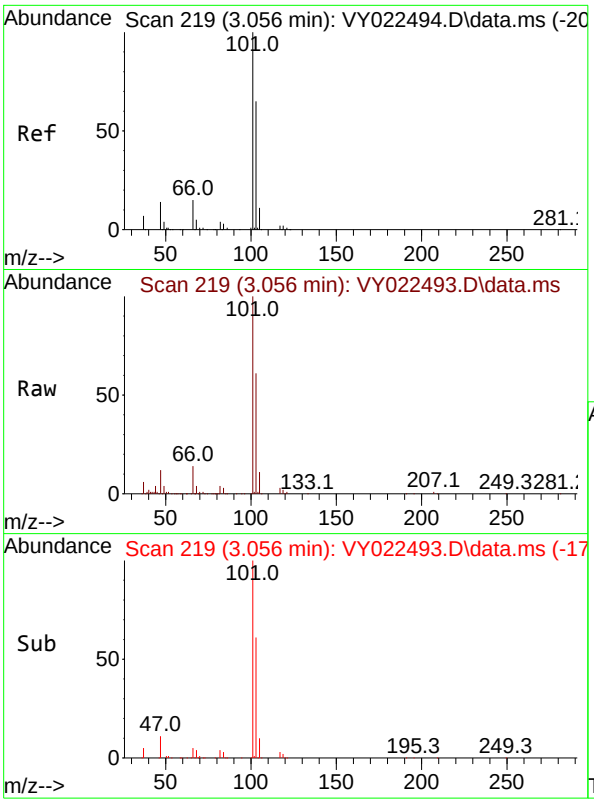


#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 64 Resp: 104116

Ion	Ratio	Lower	Upper
64	100		
66	30.8	23.8	35.6



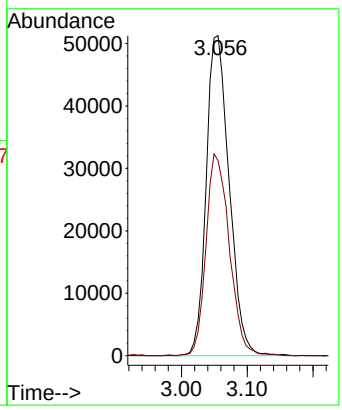


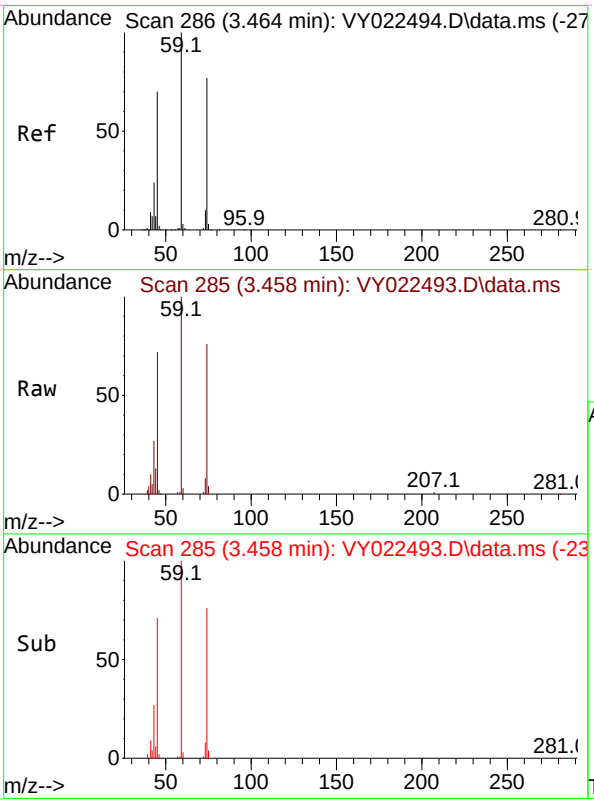
#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 124370

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2

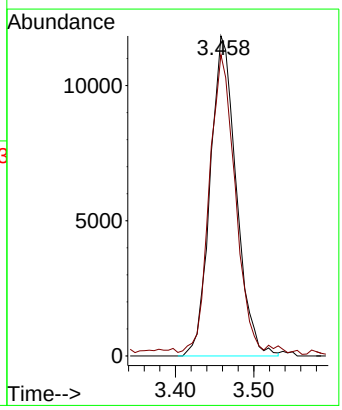


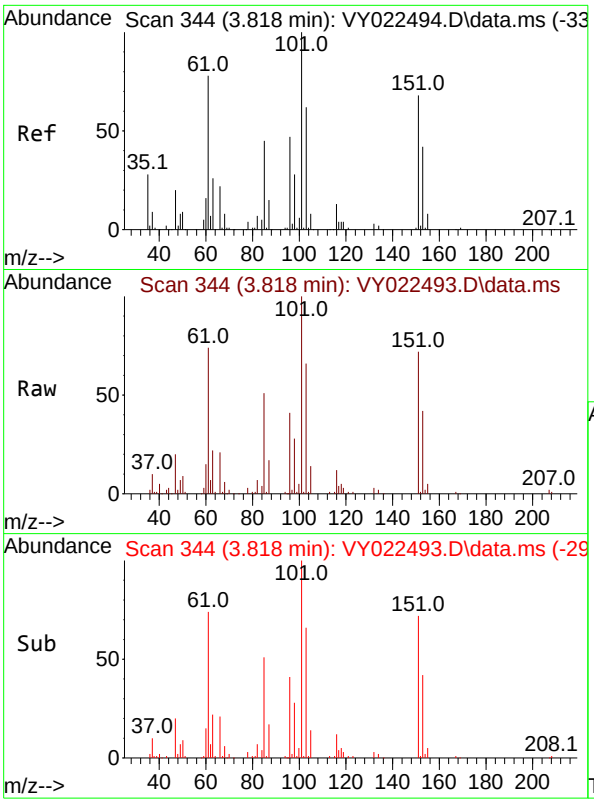


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 74 Resp: 27359

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6



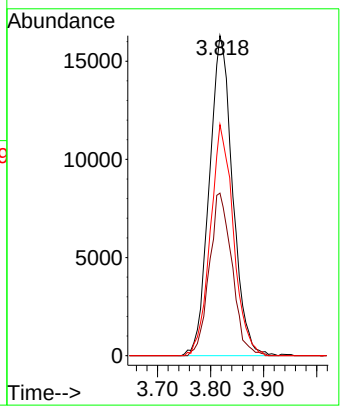


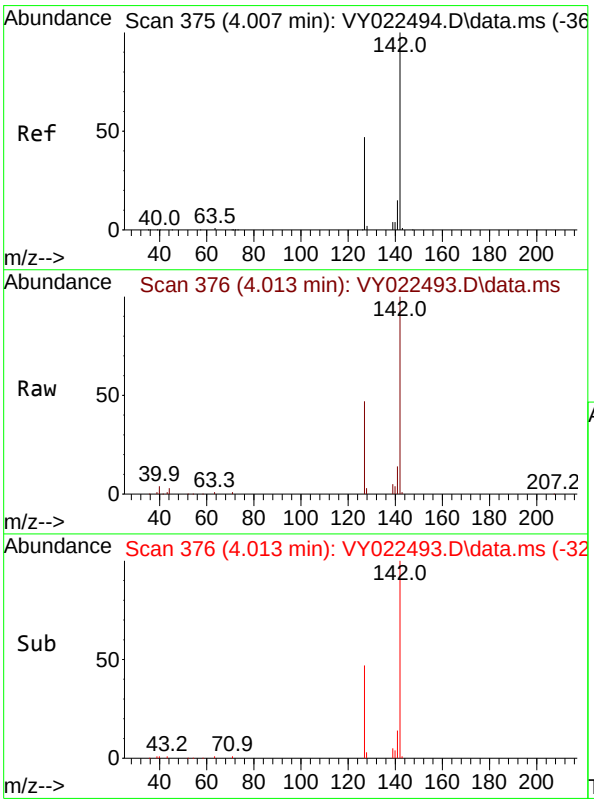
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 49746

Ion	Ratio	Lower	Upper
101	100		
85	49.4	39.3	58.9
151	71.4	57.8	86.8

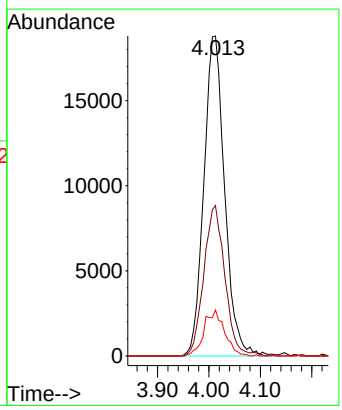


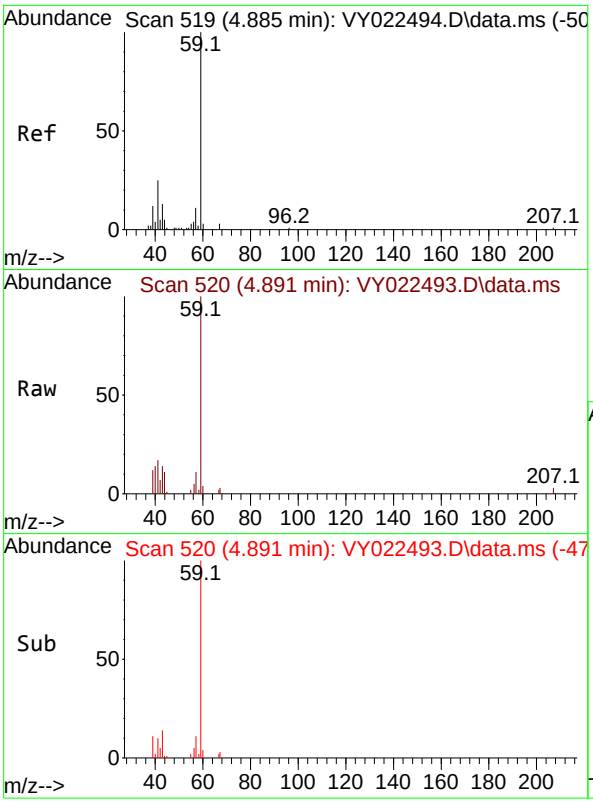


#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.1	55.7
141	14.1	11.4	17.2



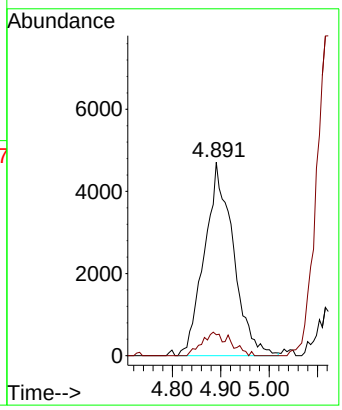


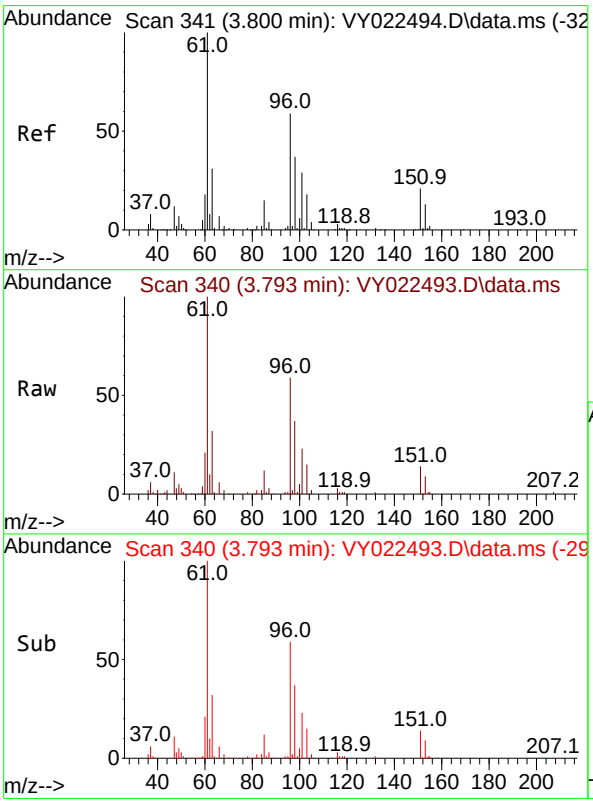
#11
Tert butyl alcohol
Concen: 115.163 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 19456

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.0	12.0

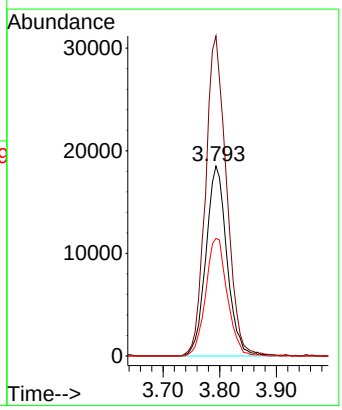


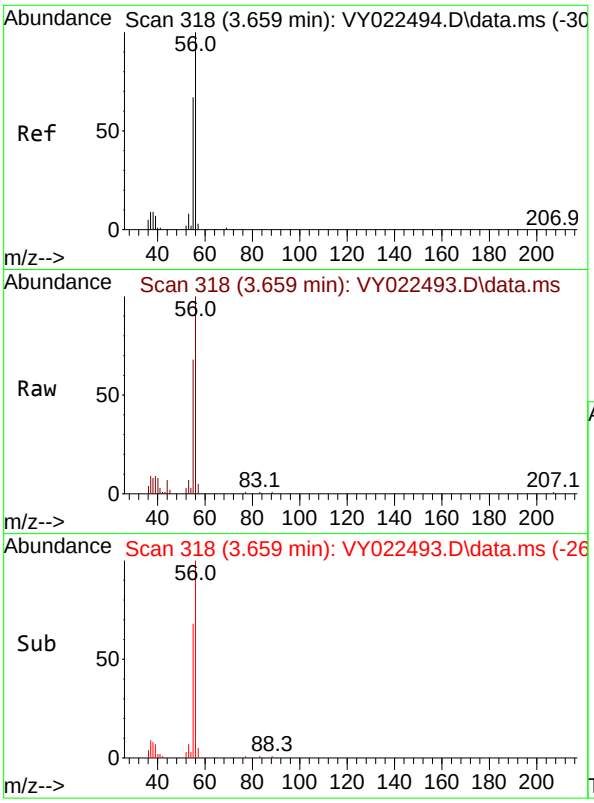


#12
1,1-Dichloroethene
Concen: 21.411 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 47770

Ion	Ratio	Lower	Upper
96	100		
61	168.5	134.6	201.8
98	61.9	50.2	75.4



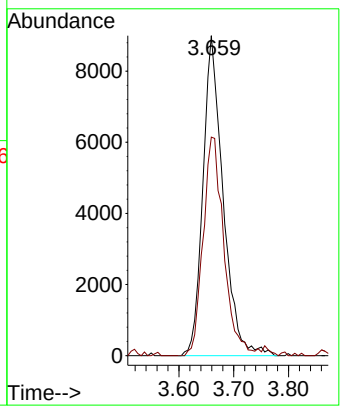


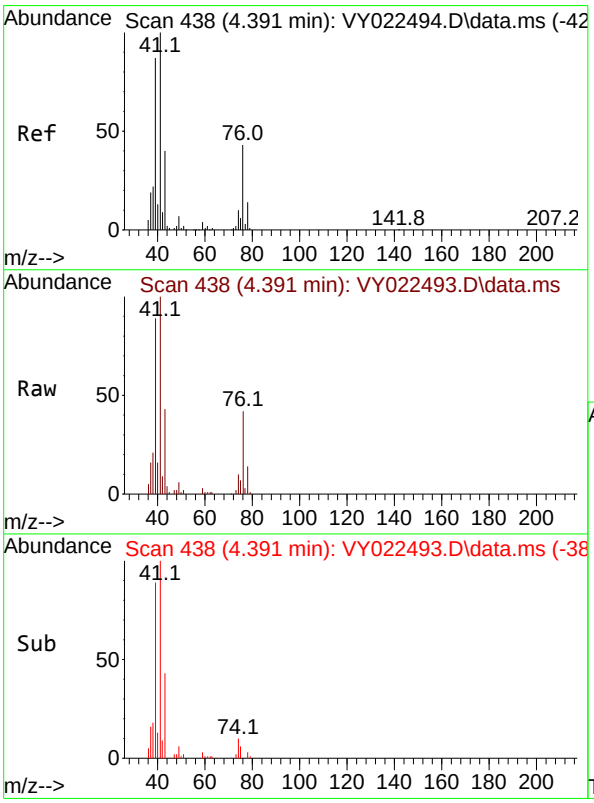
#13
Acrolein
Concen: 111.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 22974

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.0	85.6

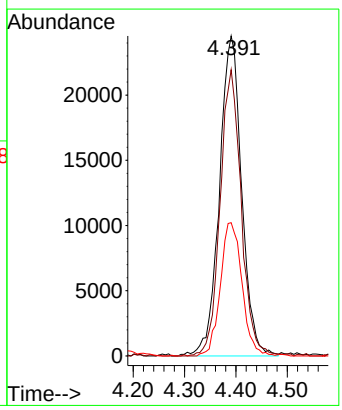


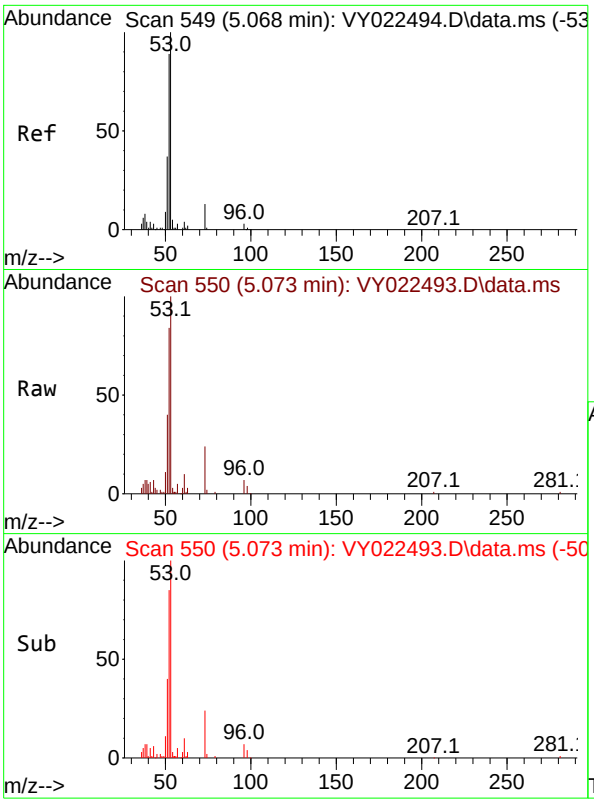


#14
Allyl chloride
Concen: 21.263 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 73926

Ion	Ratio	Lower	Upper
41	100		
39	84.7	69.1	103.7
76	40.5	33.5	50.3



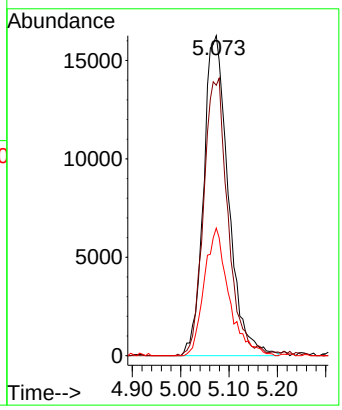


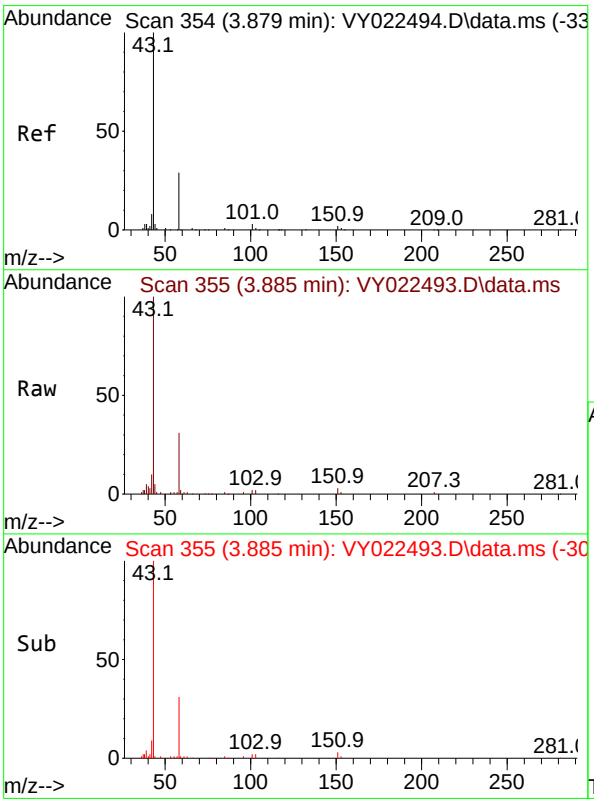
#15
Acrylonitrile
Concen: 110.420 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 57803

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.7	98.5
51	39.8	30.1	45.1

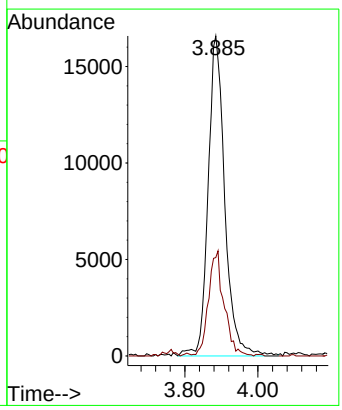


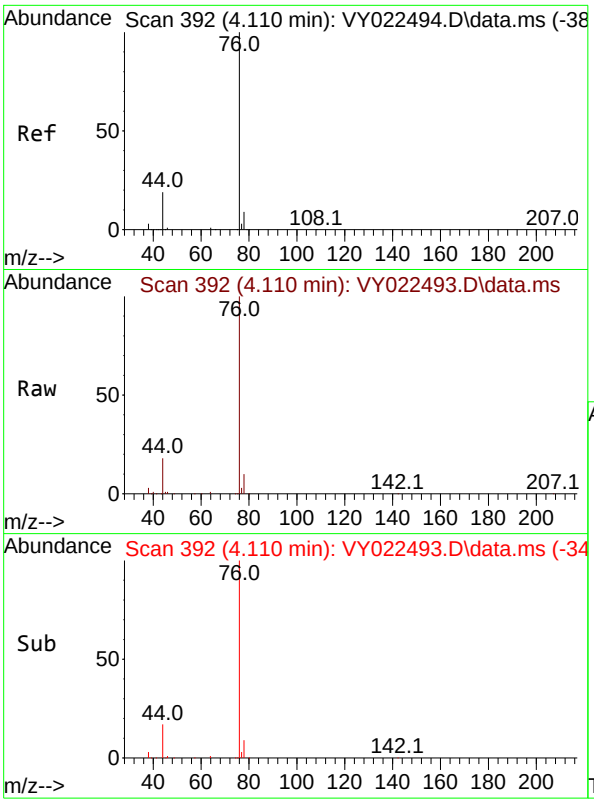


#16
Acetone
Concen: 111.925 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 52330

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0



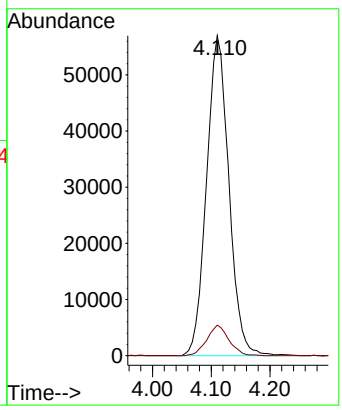


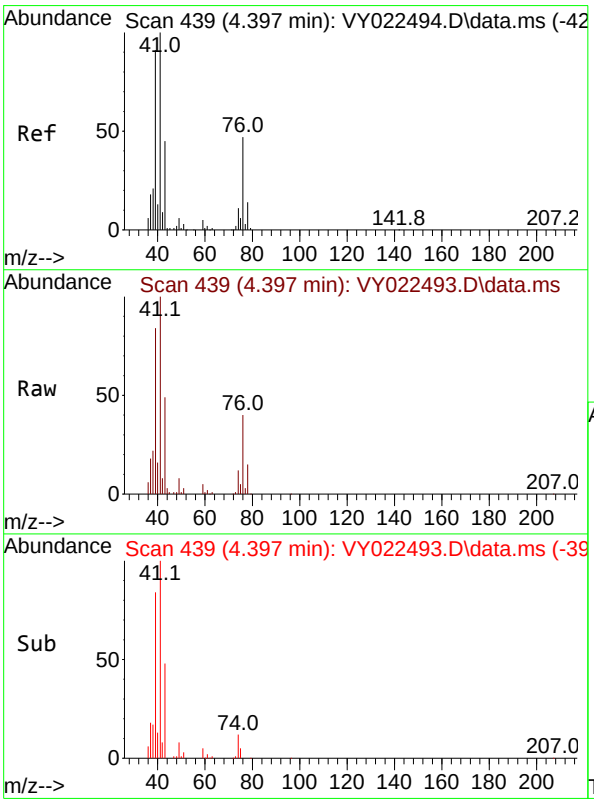
#17
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 150515

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

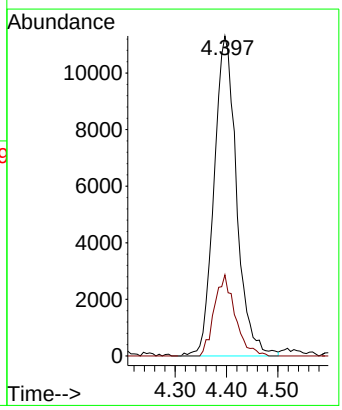


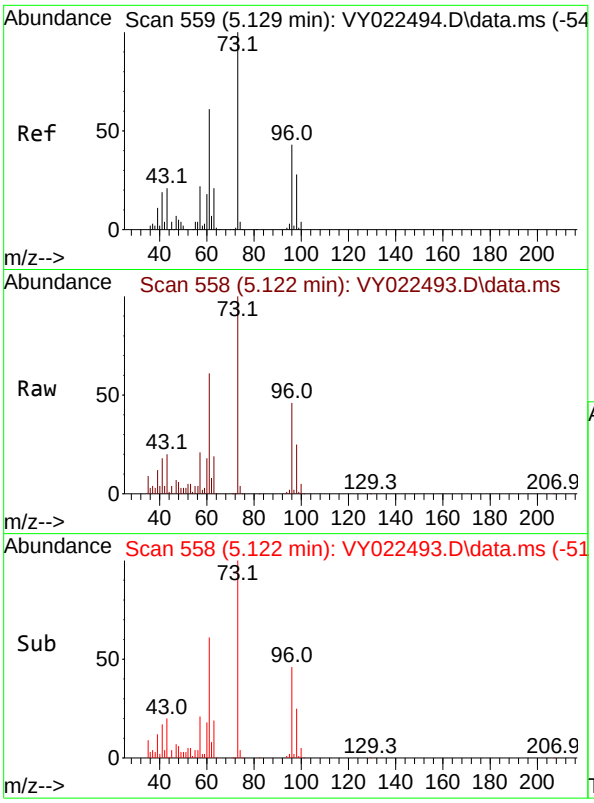


#18
Methyl Acetate
Concen: 24.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 34419

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6



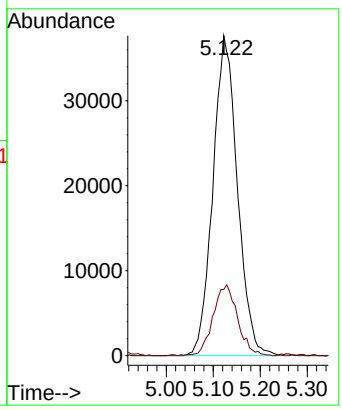


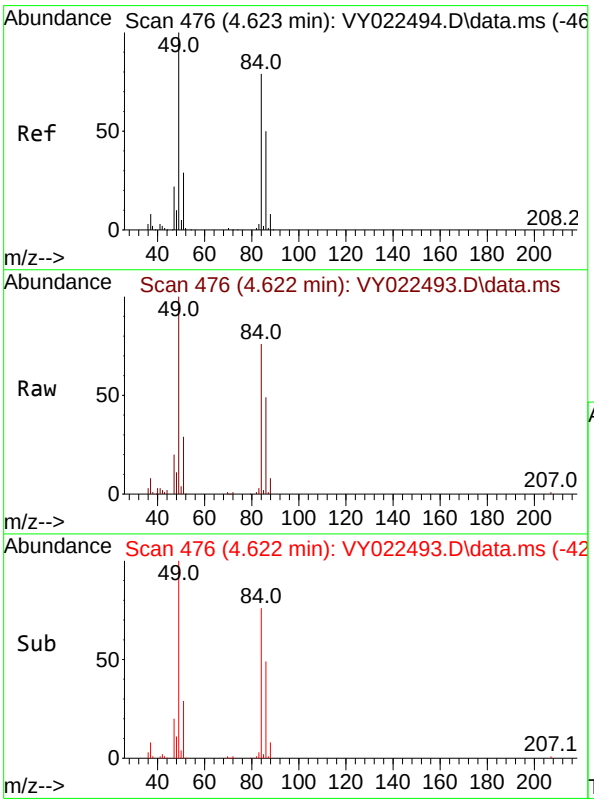
#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 136549

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.0

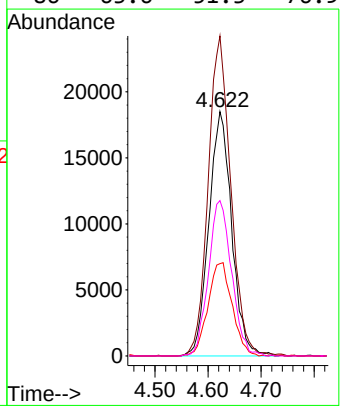


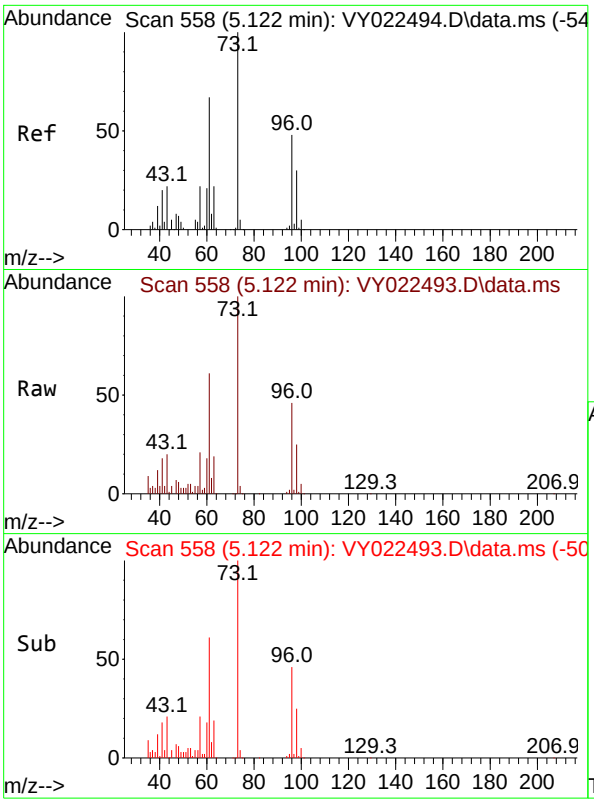


#20
Methylene Chloride
Concen: 21.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.9	152.9
51	37.8	29.8	44.8
86	63.6	51.3	76.9



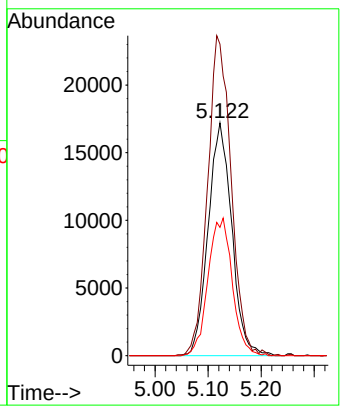


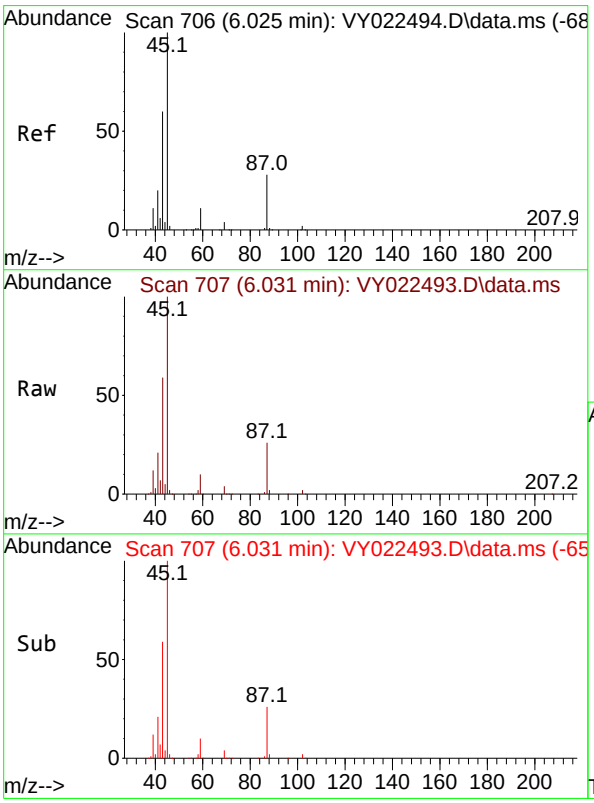
#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 53194

Ion	Ratio	Lower	Upper
96	100		
61	133.3	112.6	169.0
98	55.1	50.6	75.8

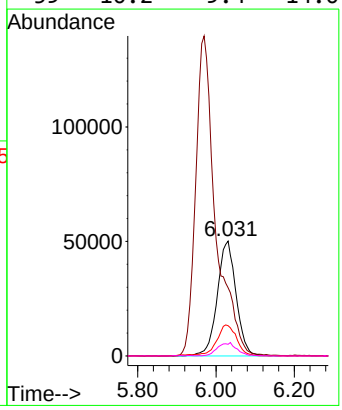


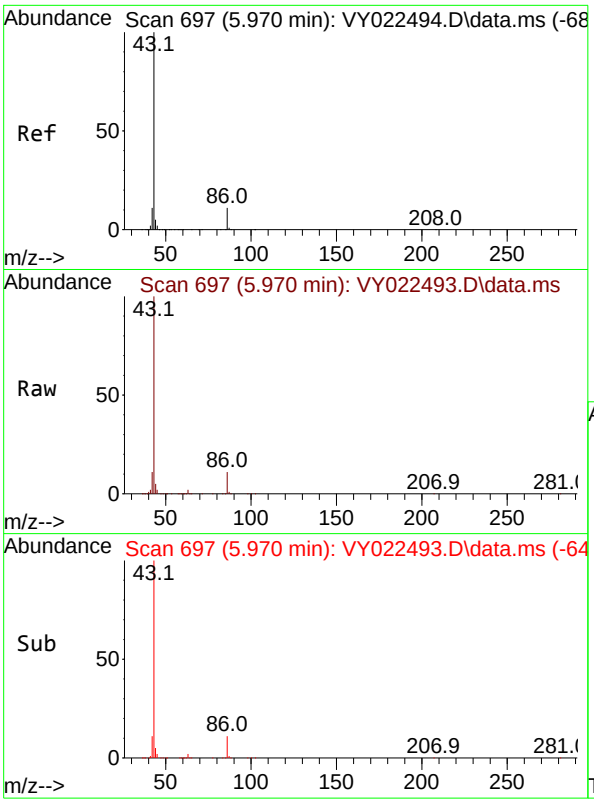


#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064

Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.3	72.5
87	26.3	23.0	34.6
59	10.2	9.4	14.0



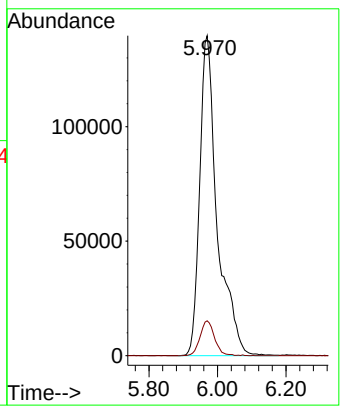


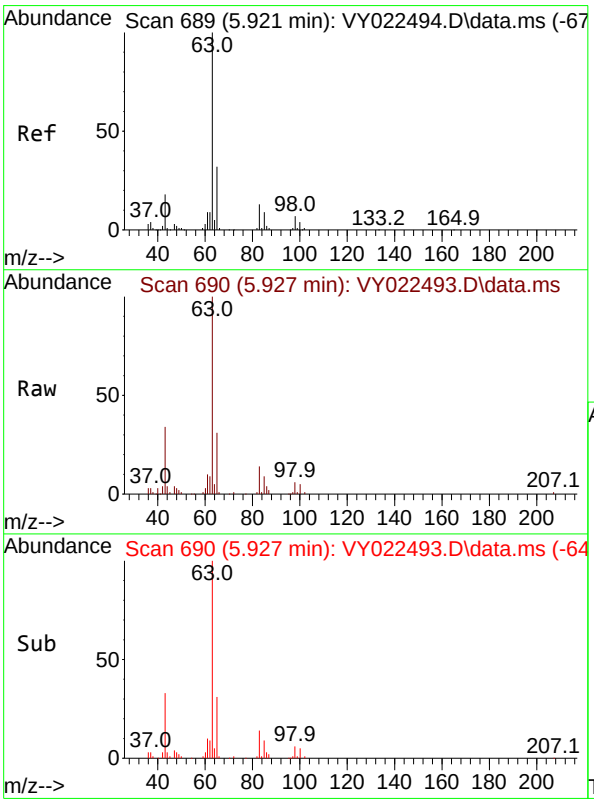
#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 497937

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

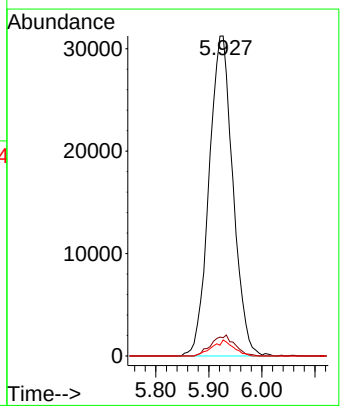


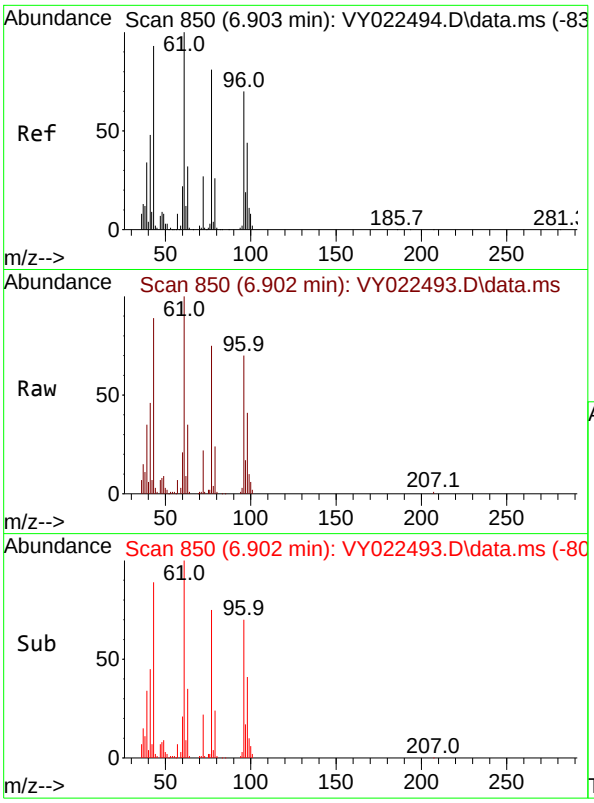


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	5.0	2.1	6.3



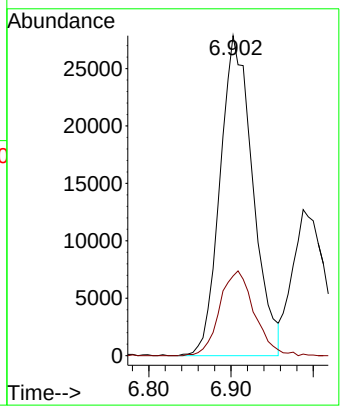


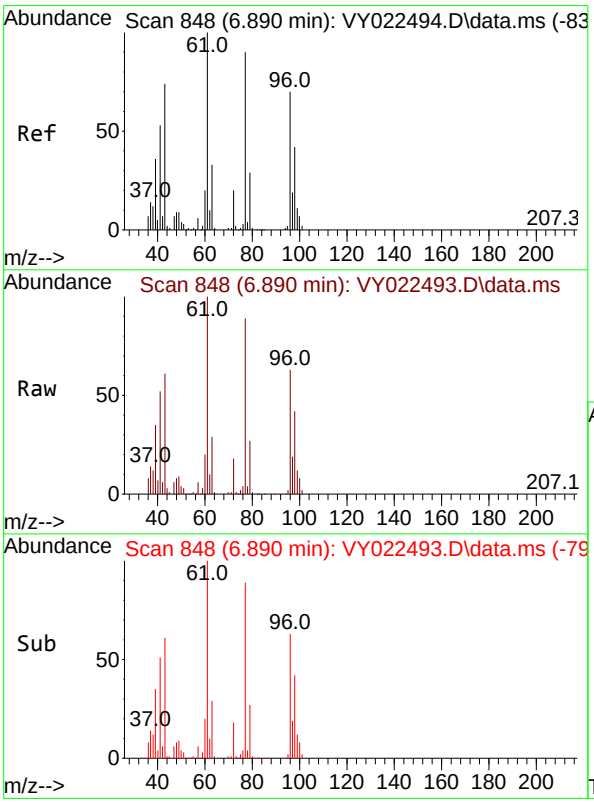
#25
2-Butanone
Concen: 112.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 77329

Ion	Ratio	Lower	Upper
43	100		
72	24.9	22.9	34.3

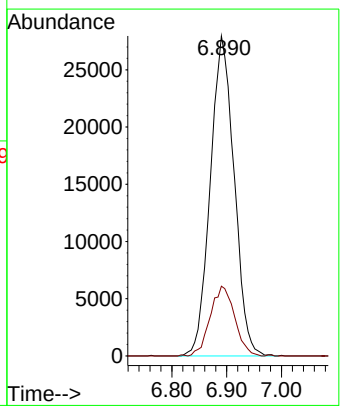


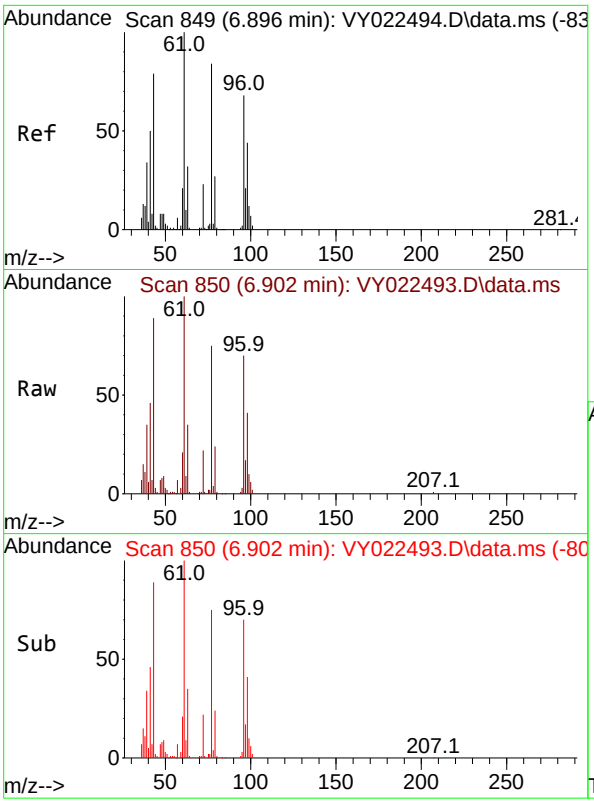


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 77 Resp: 84543

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2



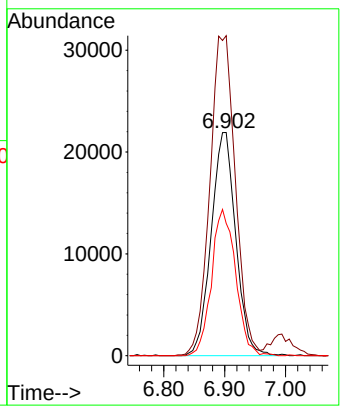


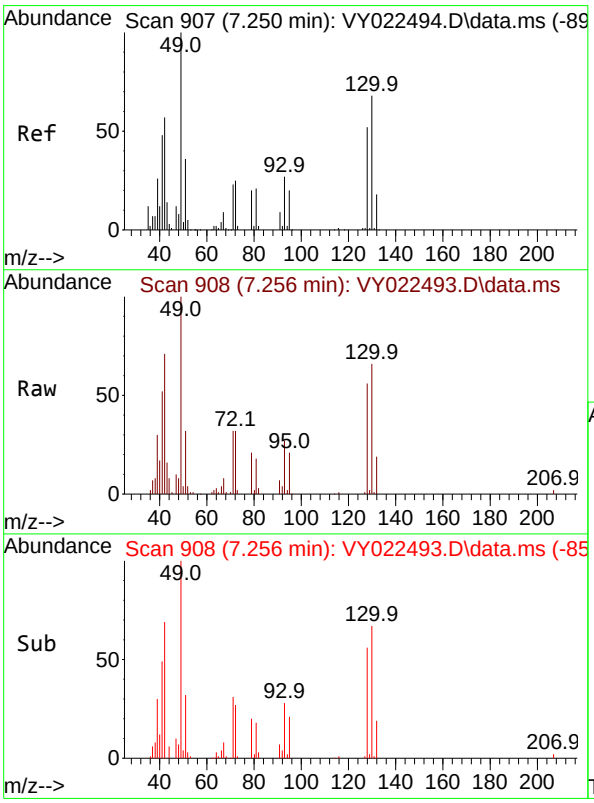
#27
cis-1,2-Dichloroethene
Concen: 21.300 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 61362

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.0
98	64.4	0.0	128.4

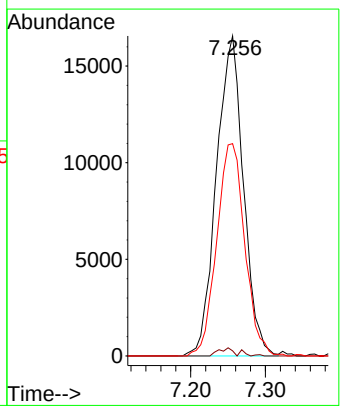


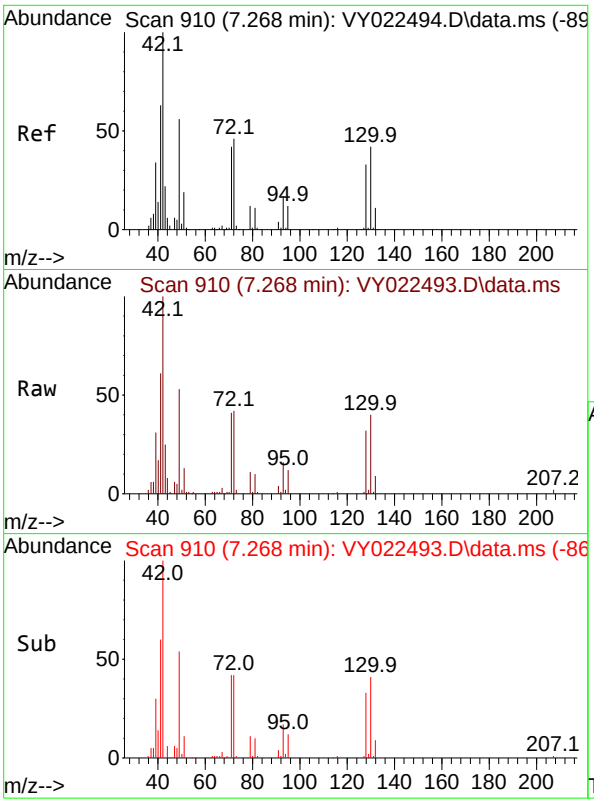


#28
Bromochloromethane
Concen: 21.085 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 49 Resp: 41634

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	69.0	55.7	83.5



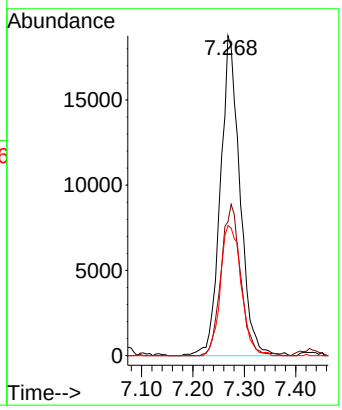


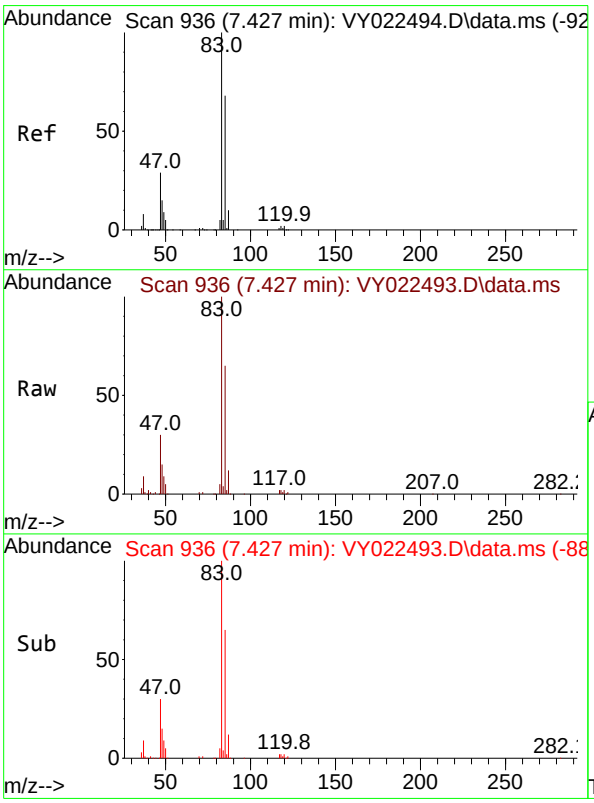
#29
Tetrahydrofuran
Concen: 111.296 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 49517

Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.6	34.2	51.2

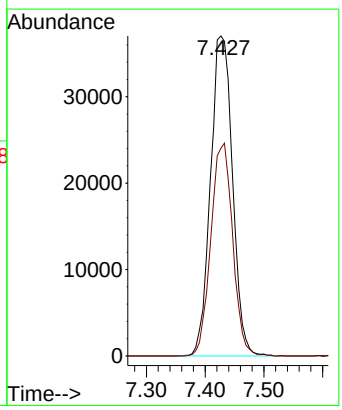


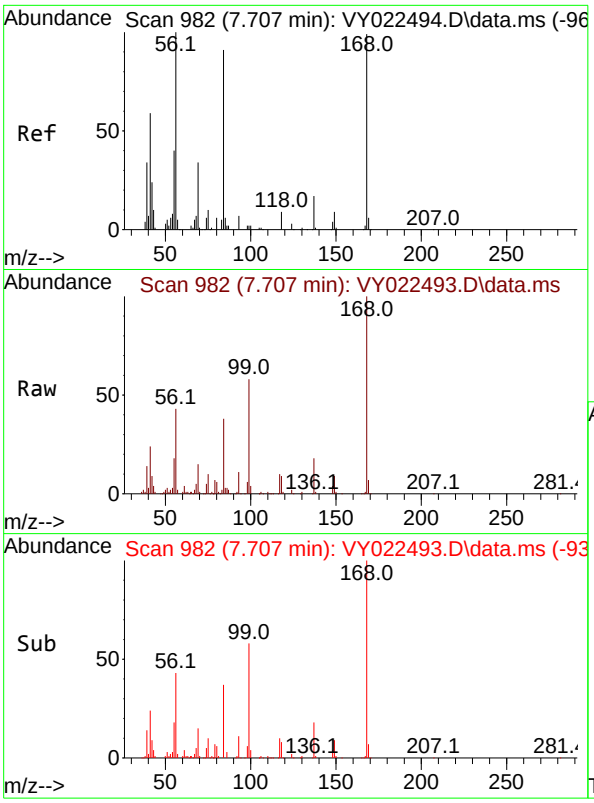


#30
Chloroform
Concen: 21.350 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 96414

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4



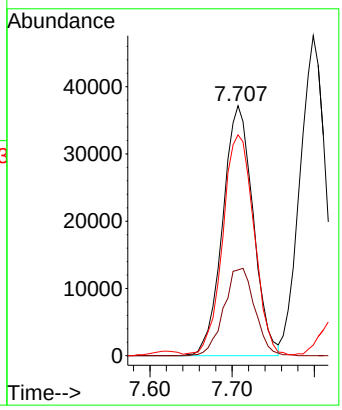


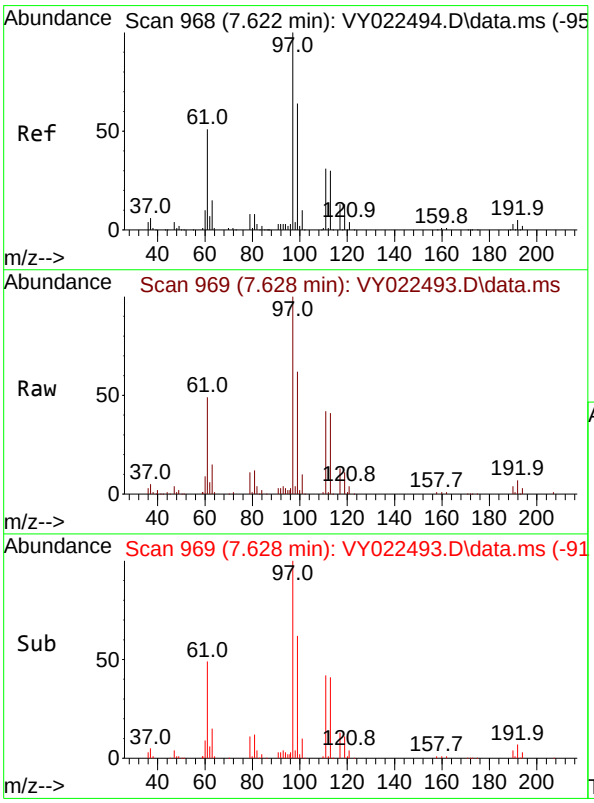
#31
Cyclohexane
Concen: 20.762 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 95487

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	87.0	72.6	109.0

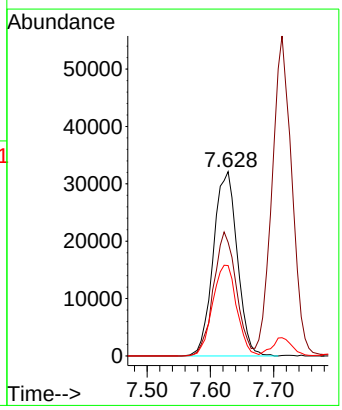


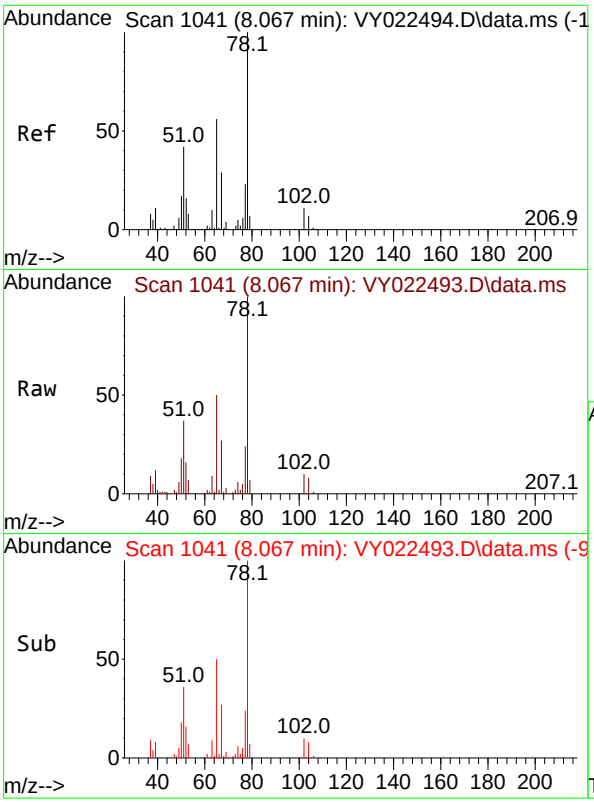


#32
1,1,1-Trichloroethane
Concen: 20.905 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 84365

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	49.7	38.5	57.7



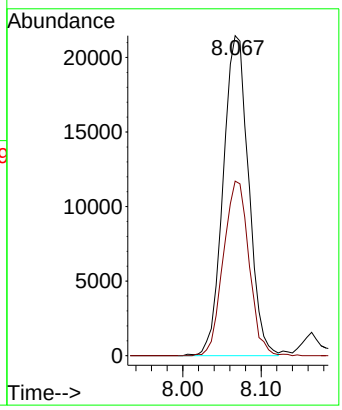


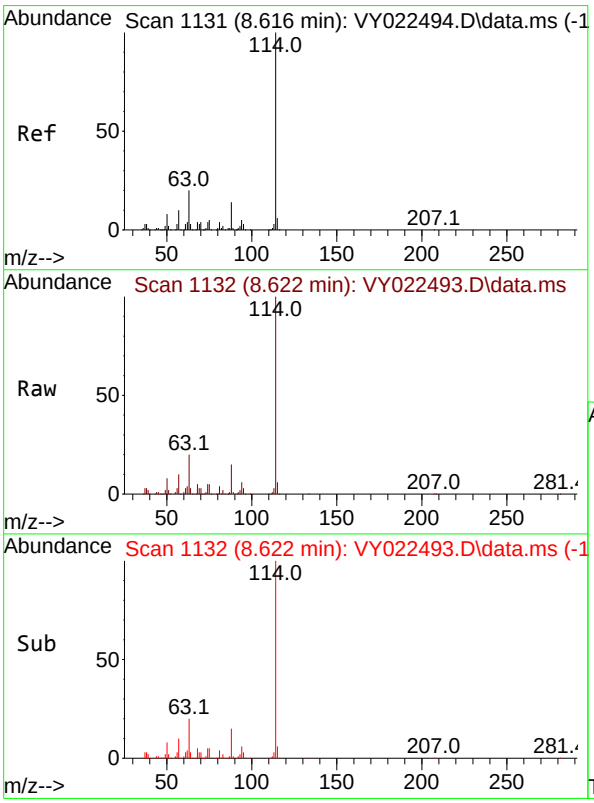
#33
1,2-Dichloroethane-d4
Concen: 20.457 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 48383

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	103.4

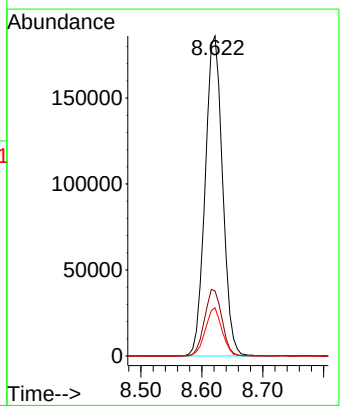


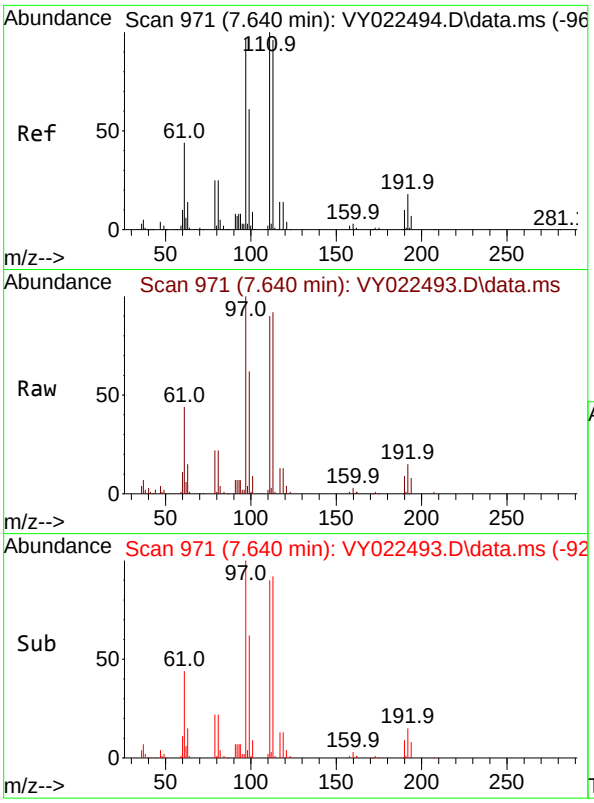


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:114 Resp: 369398

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	27.8



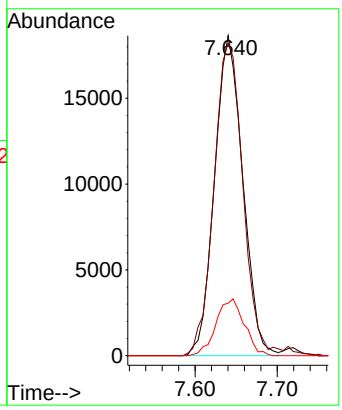


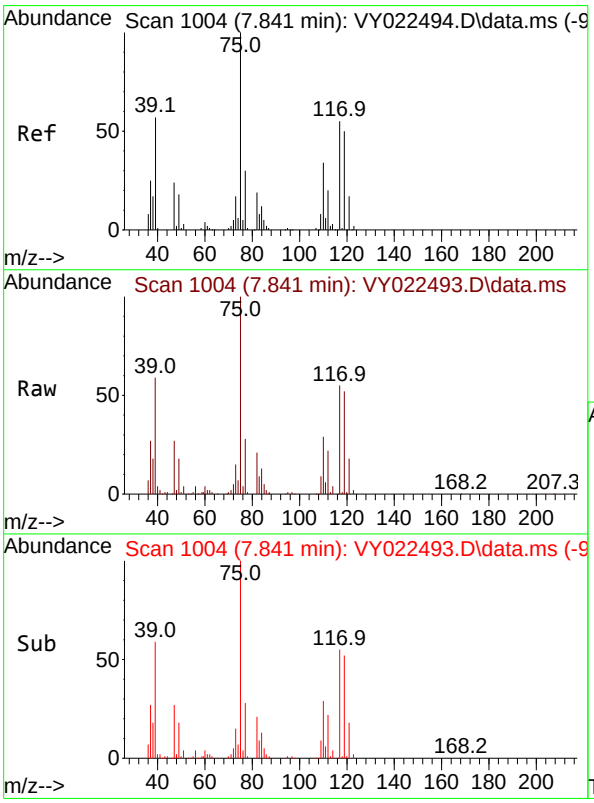
#35
Dibromofluoromethane
Concen: 20.456 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 44482

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	17.8	14.2	21.2

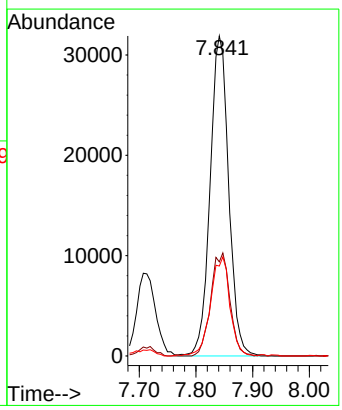


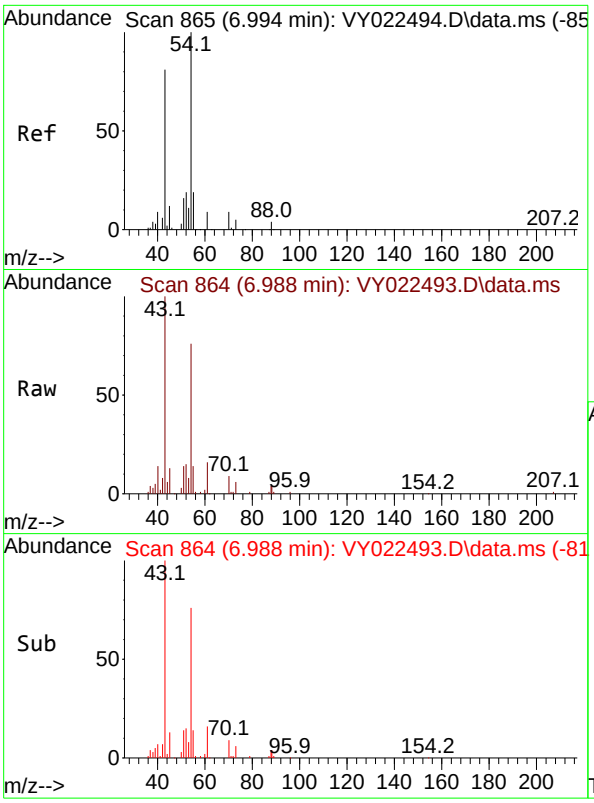


#36
1,1-Dichloropropene
Concen: 20.670 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 72658

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	32.2	24.8	37.2



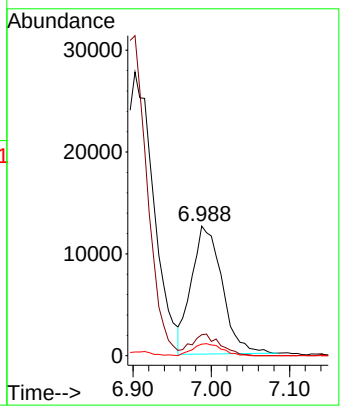


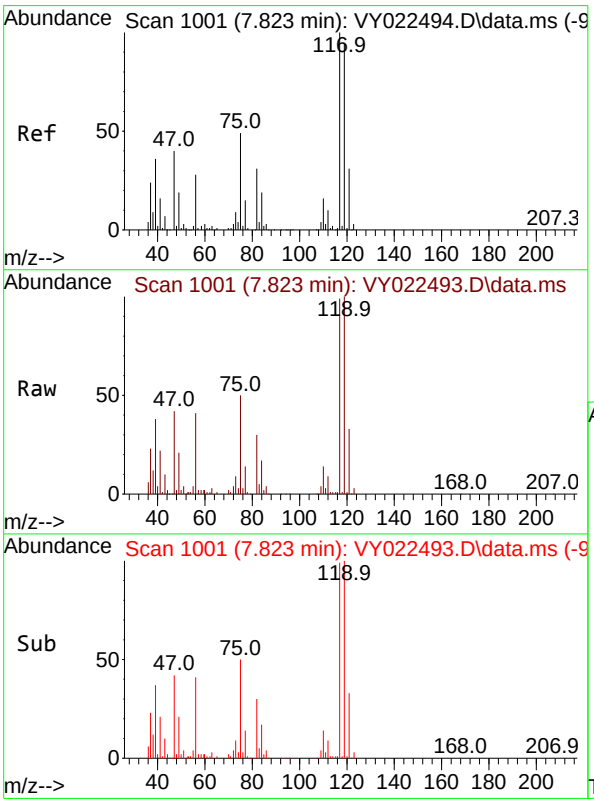
#37
Ethyl Acetate
Concen: 22.110 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 34204

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	8.9	7.2	10.8

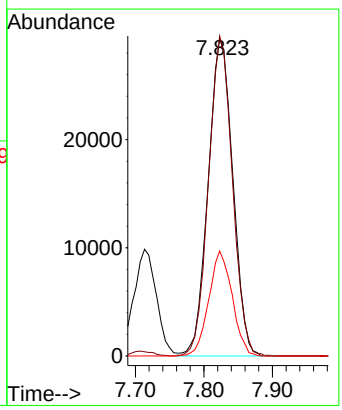


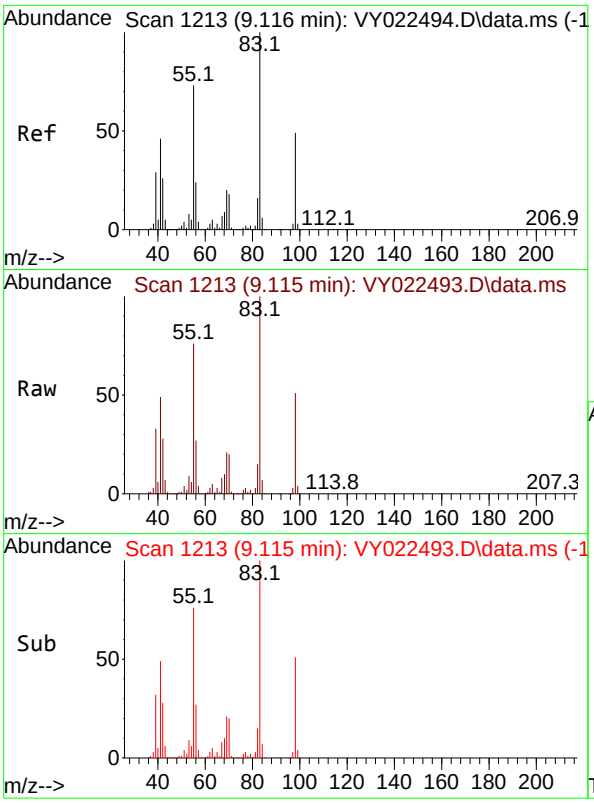


#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 73370

Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
121	33.2	25.0	37.4



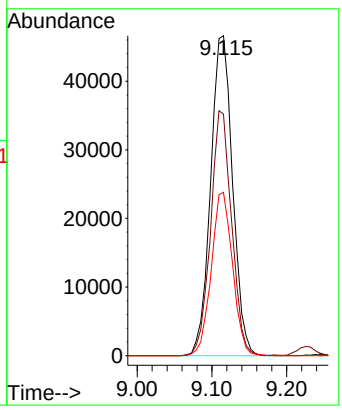


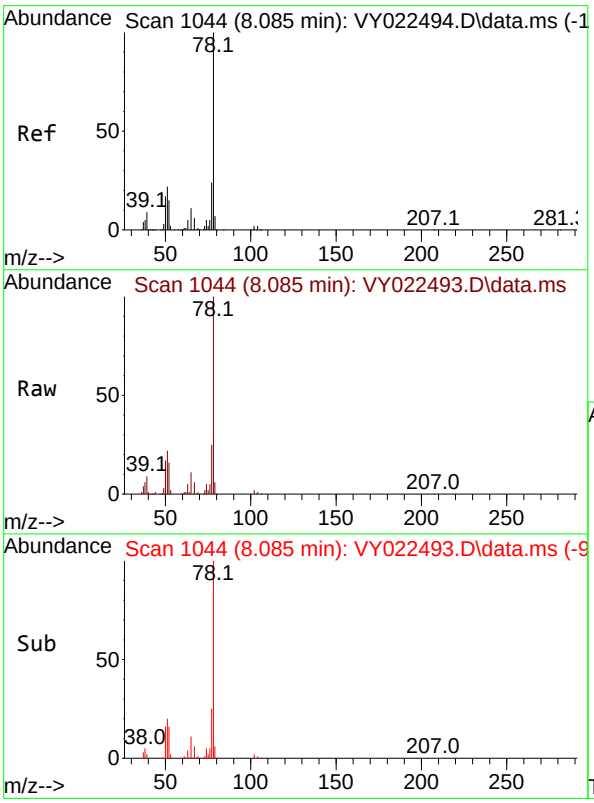
#39
Methylcyclohexane
Concen: 20.065 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 95280

Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.1	87.1
98	51.1	39.0	58.6

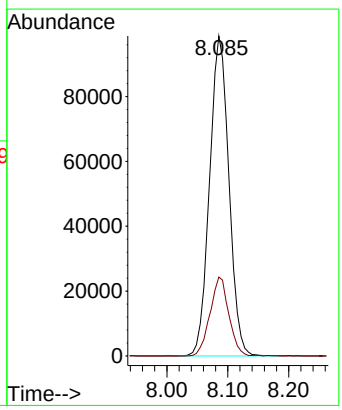


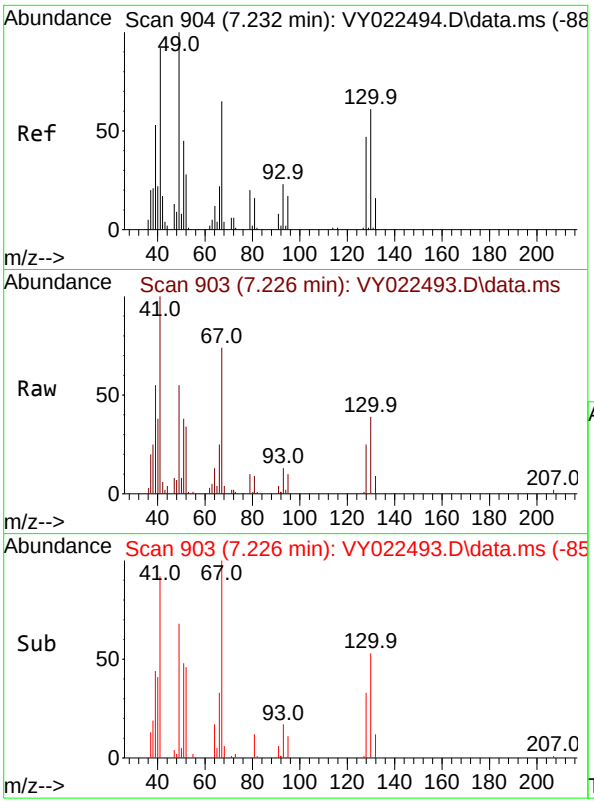


#40
Benzene
Concen: 21.000 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 78 Resp: 217595

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9



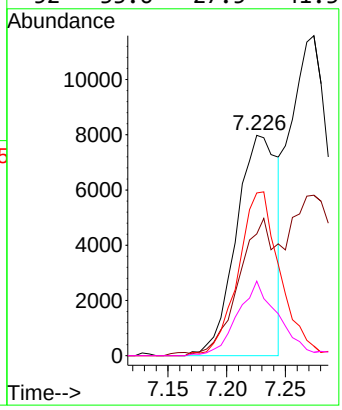


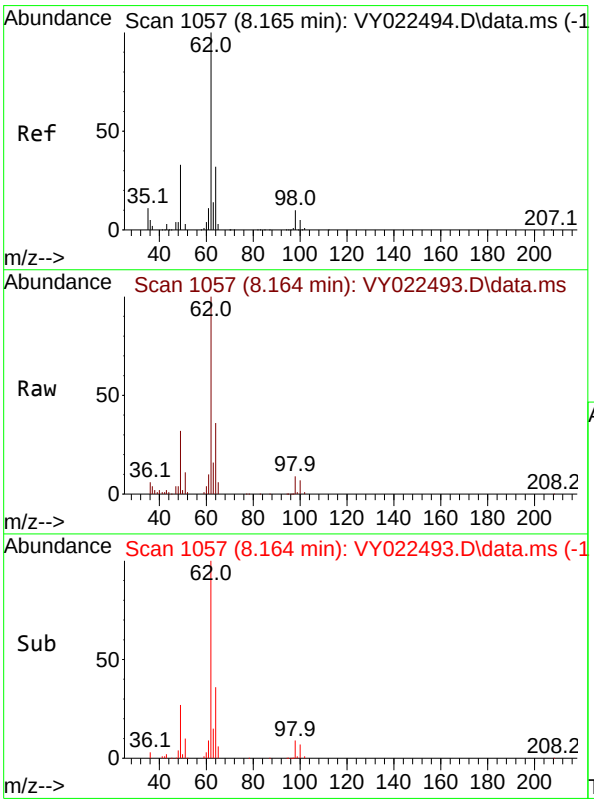
#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 19470

Ion	Ratio	Lower	Upper
41	100		
39	64.4	46.6	69.8
67	76.2	63.3	94.9
52	33.6	27.5	41.3

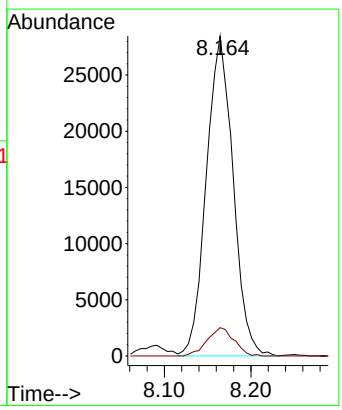


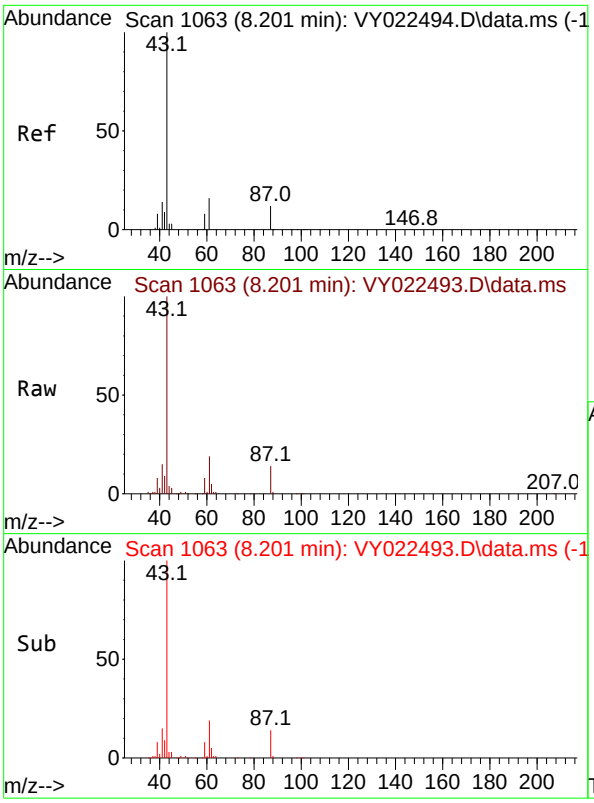


#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 61097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2



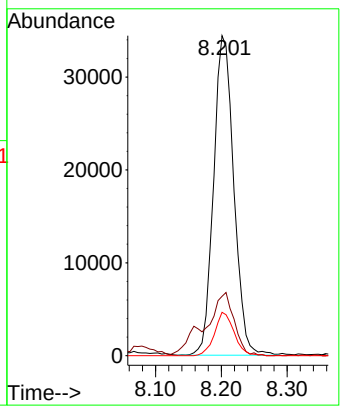


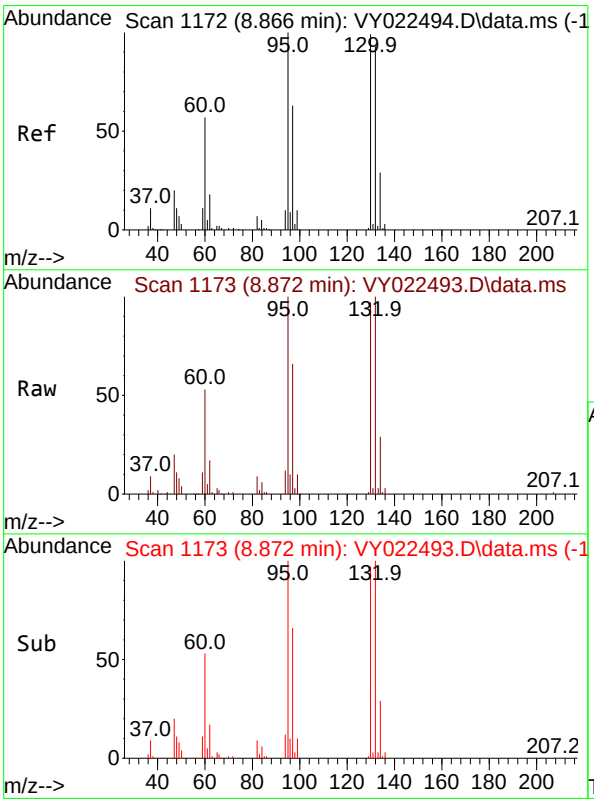
#43
Isopropyl Acetate
Concen: 21.814 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 73745

Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.6	23.4
87	13.1	10.2	15.4

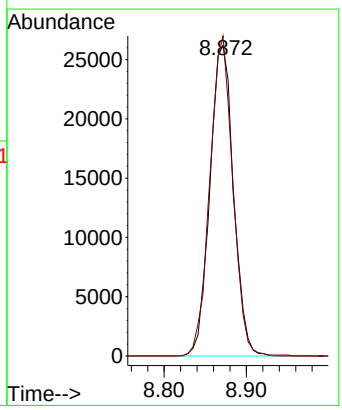


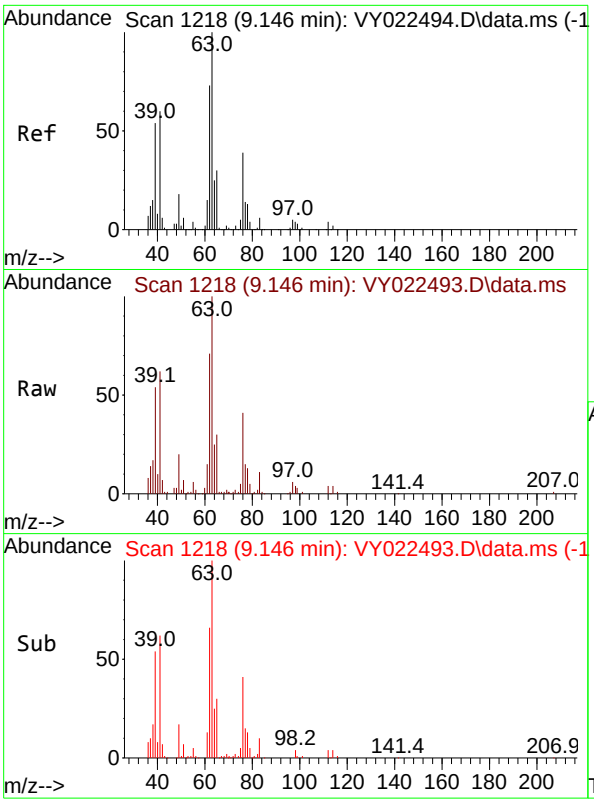


#44
Trichloroethene
Concen: 20.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:130 Resp: 52175

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.0



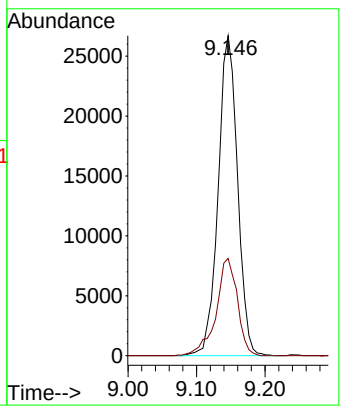


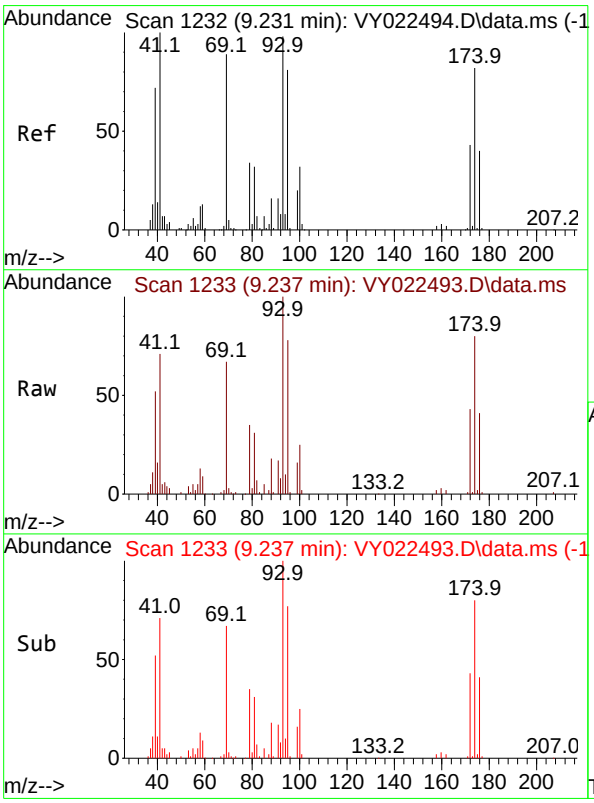
#45
1,2-Dichloropropane
Concen: 21.204 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 52378

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.0	36.0

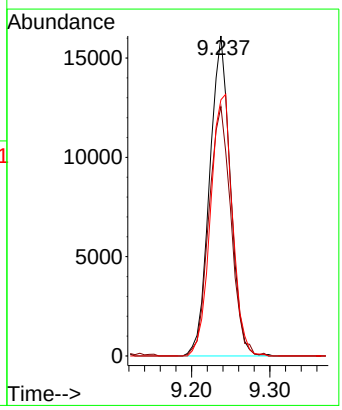


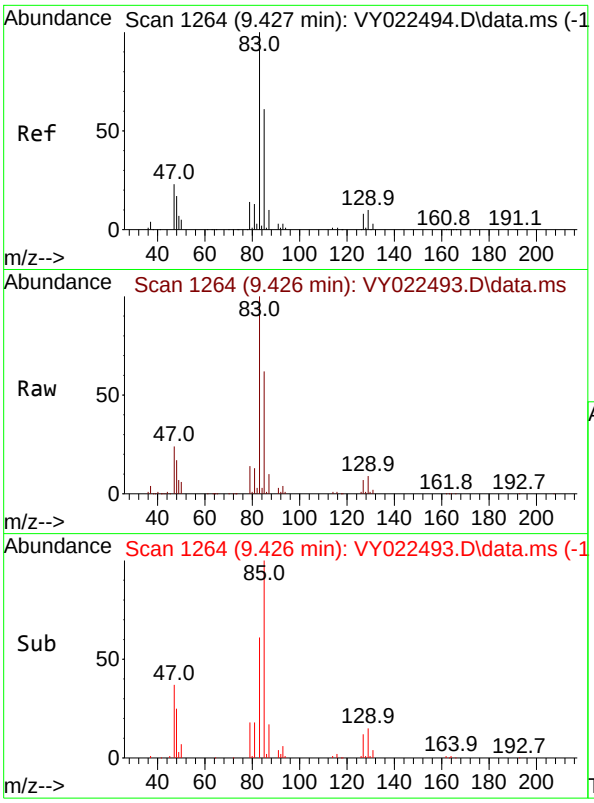


#46
Dibromomethane
Concen: 21.491 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 93 Resp: 29741

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.6	98.4
174	86.2	70.4	105.6



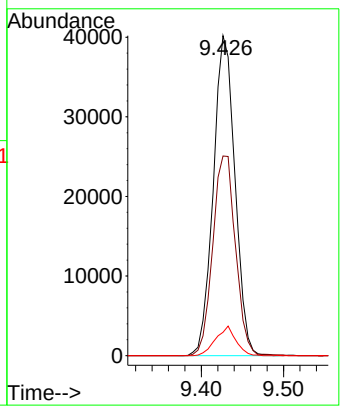


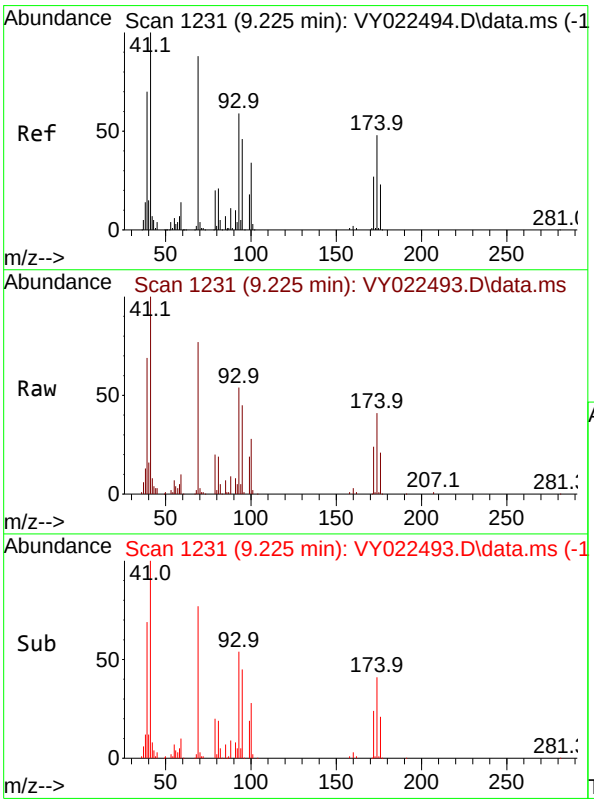
#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 73717

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.1	73.7
127	7.3	6.2	9.4

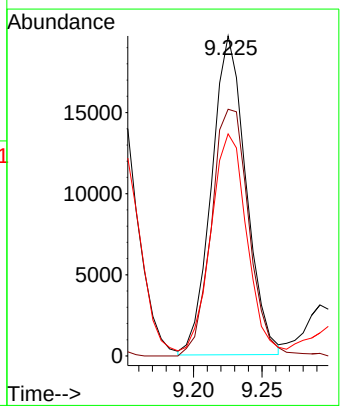


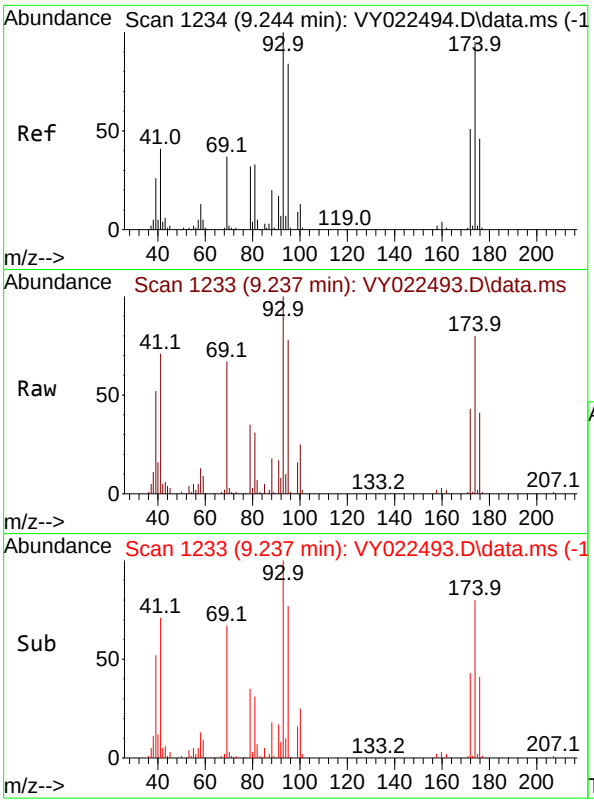


#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508

Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.8	101.8
39	69.9	55.0	82.4



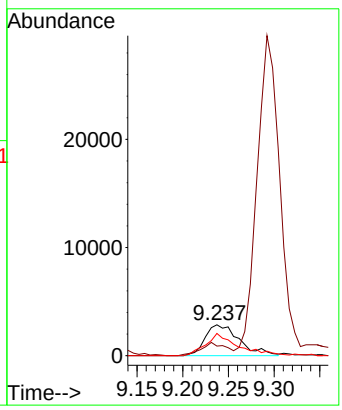


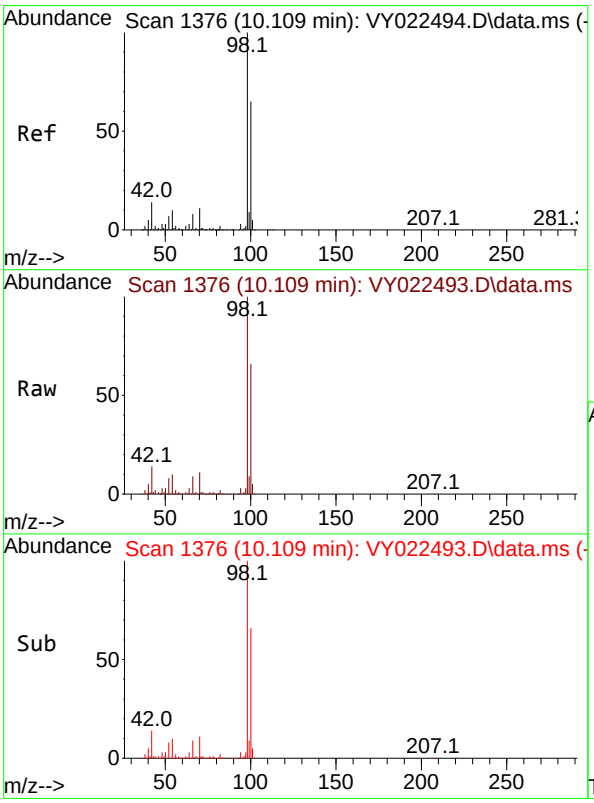
#49
1,4-Dioxane
Concen: 450.895 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 7444

Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.4	38.2
58	67.3	54.9	82.3

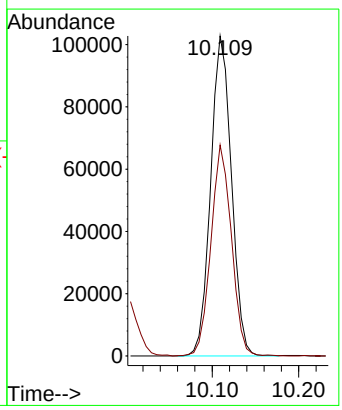


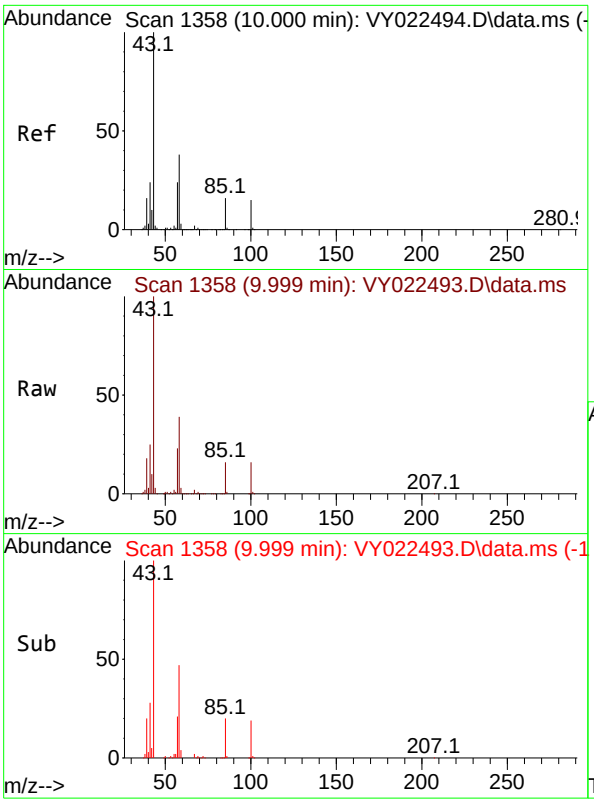


#50
Toluene-d8
Concen: 19.474 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 98 Resp: 171165

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0



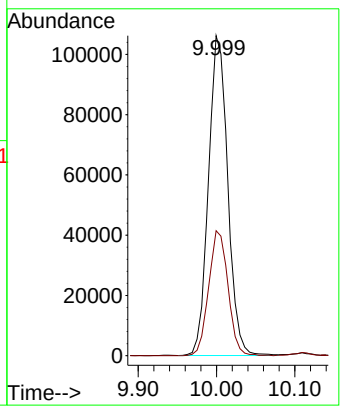


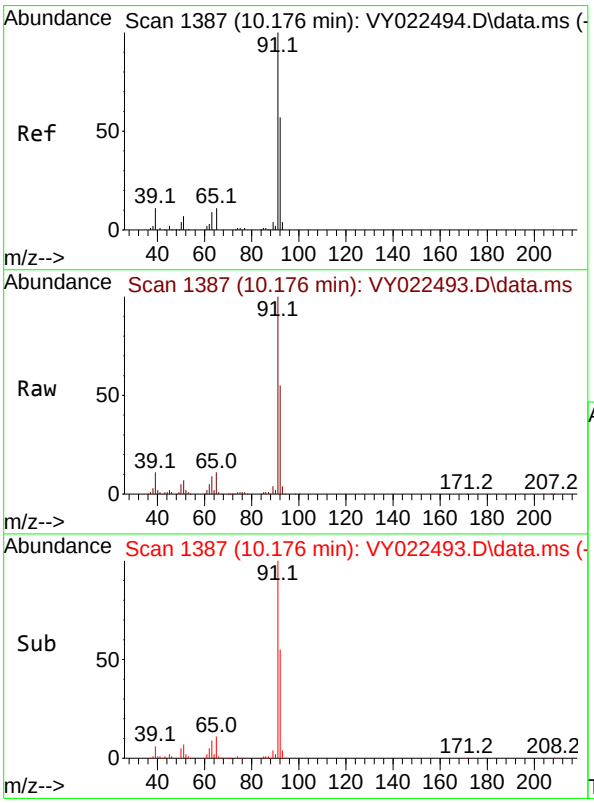
#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 181461

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6

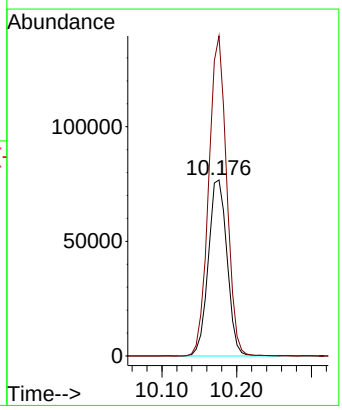


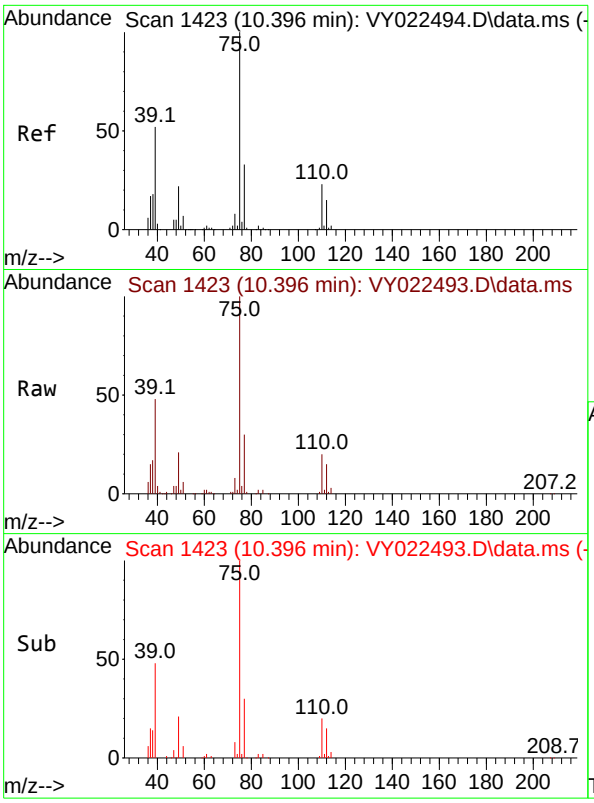


#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.0	208.4



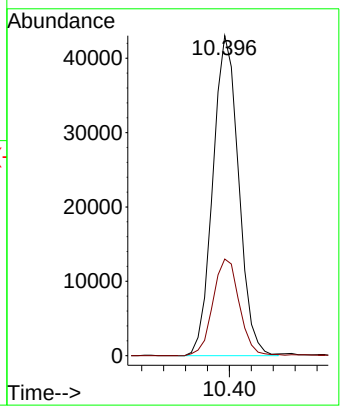


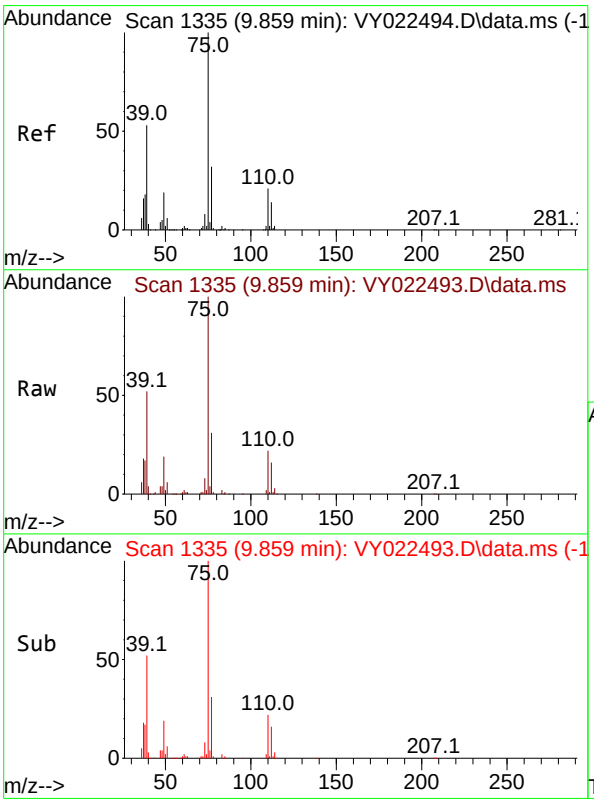
#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 70358

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7

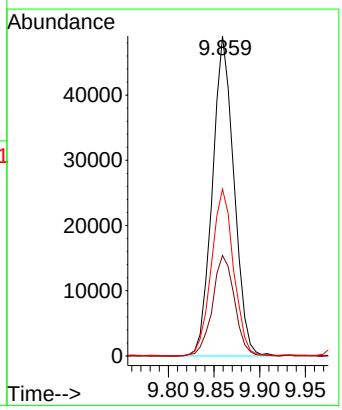


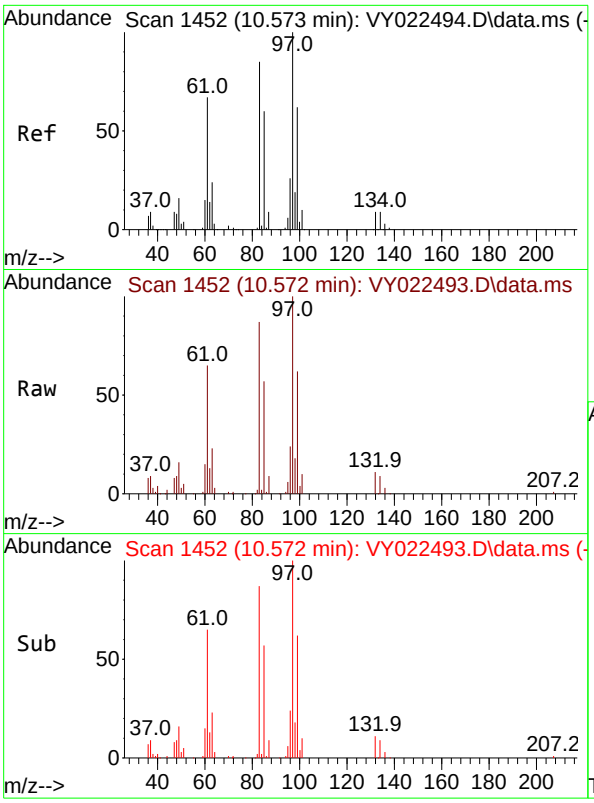


#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 80524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	52.1	42.7	64.1



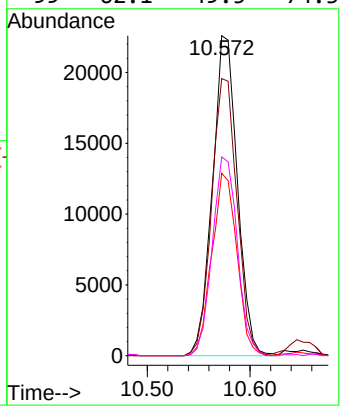


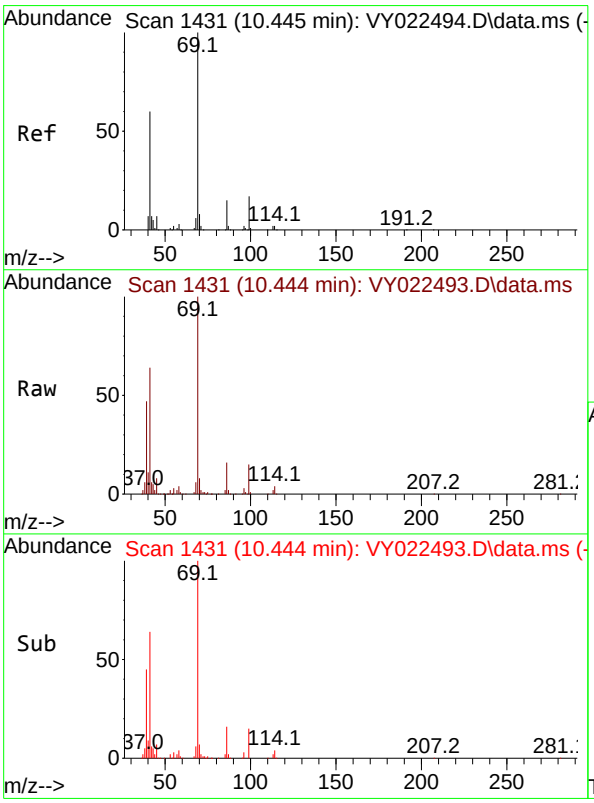
#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 38079

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	57.0	48.2	72.2
99	62.1	49.5	74.3

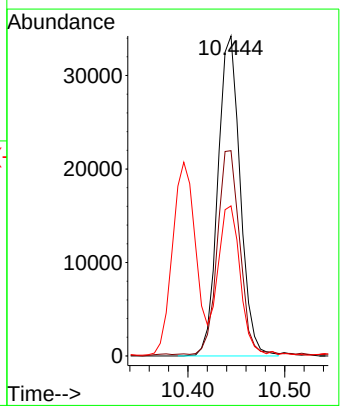


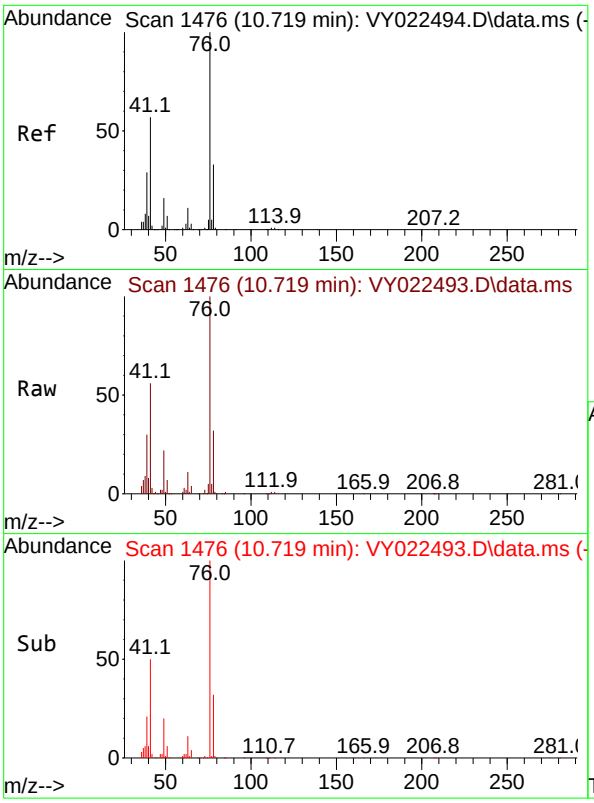


#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 69 Resp: 54734

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.2	78.2
39	46.8	36.7	55.1



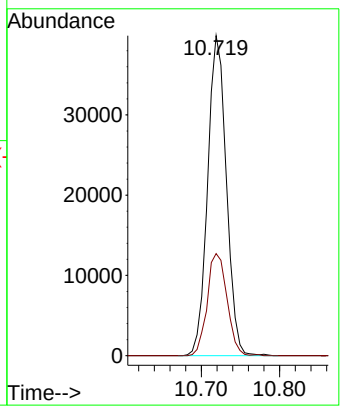


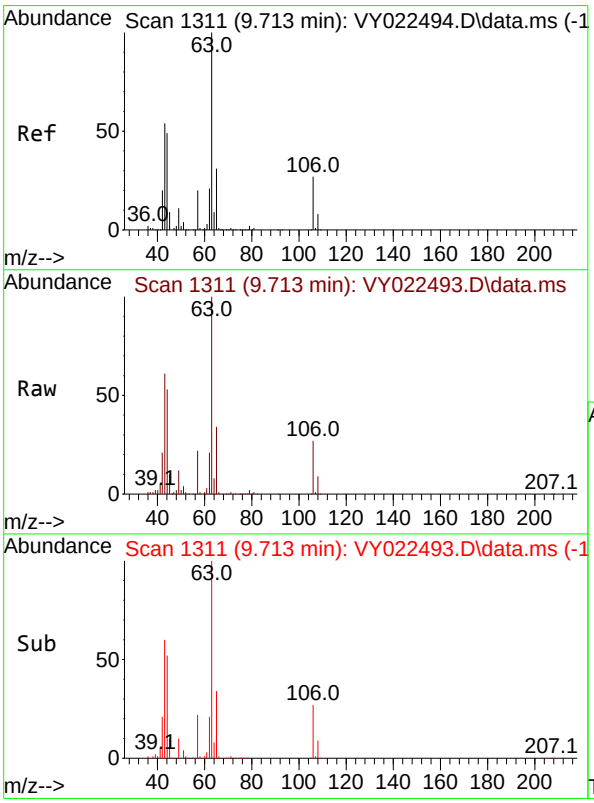
#57
1,3-Dichloropropane
Concen: 21.317 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 66163

Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8

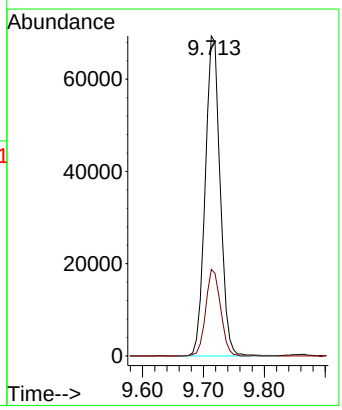


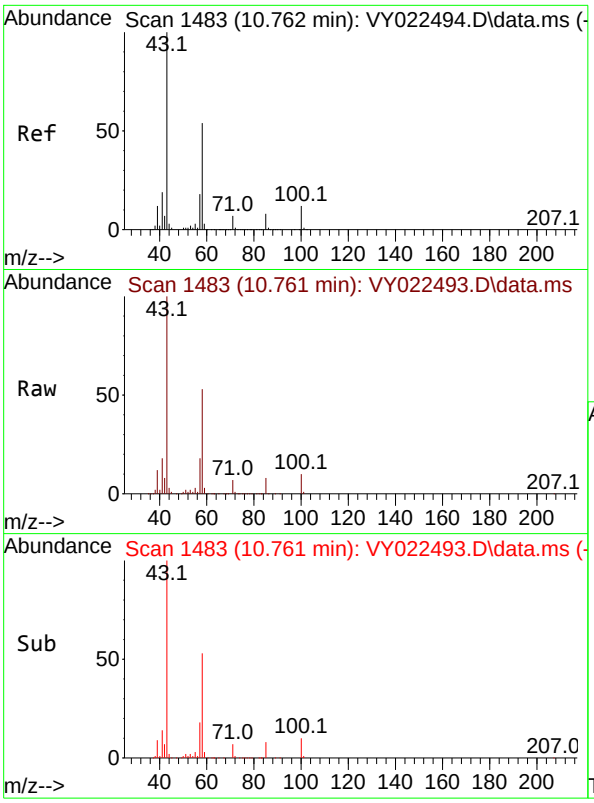


#58
2-Chloroethyl Vinyl ether
Concen: 104.797 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 118244

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4



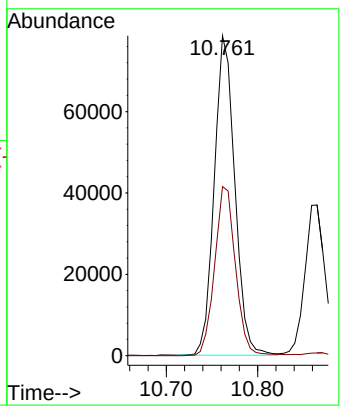


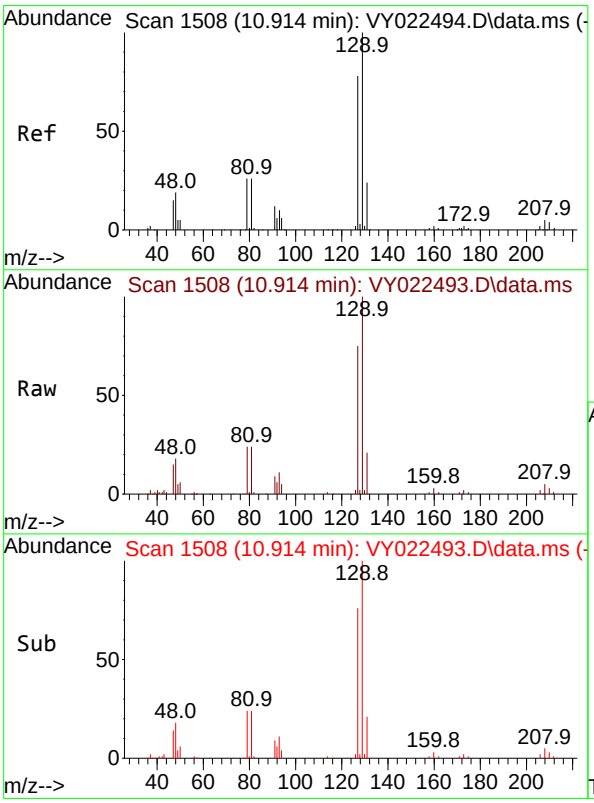
#59
2-Hexanone
Concen: 109.805 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 122817

Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8

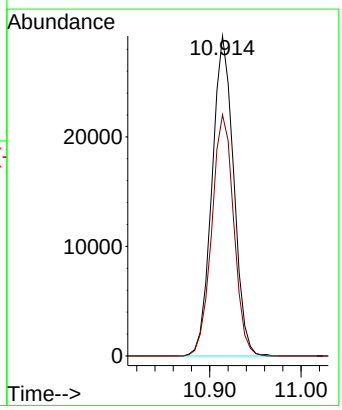


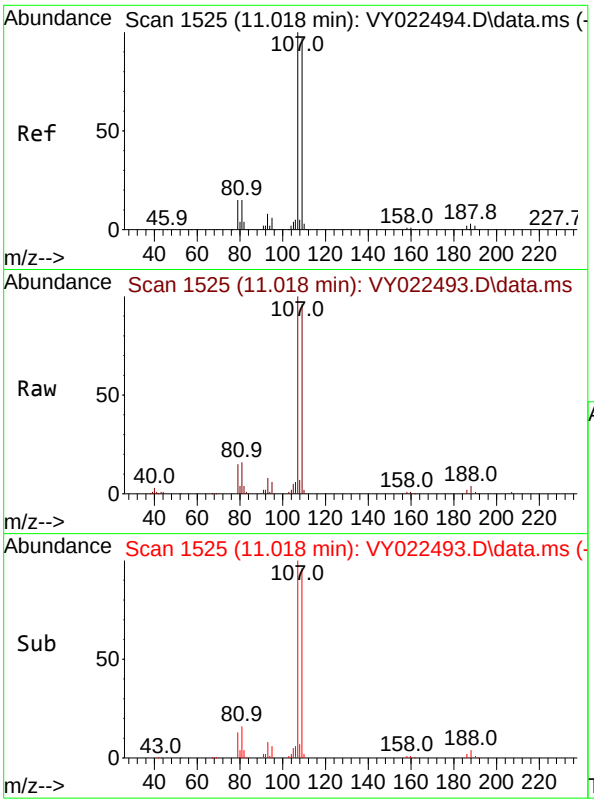


#60
Dibromochloromethane
Concen: 21.715 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:129 Resp: 47952

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2



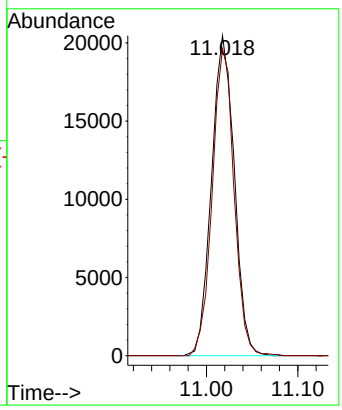


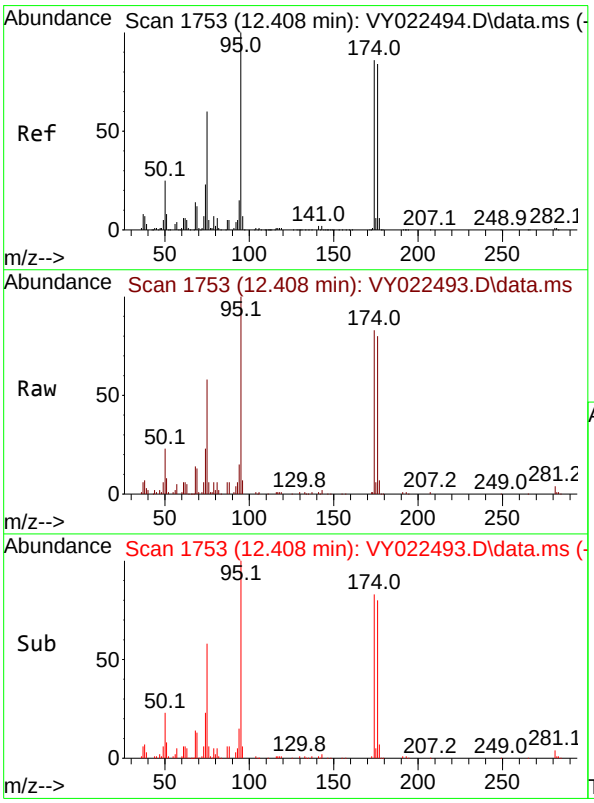
#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 35324

Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.7	116.5

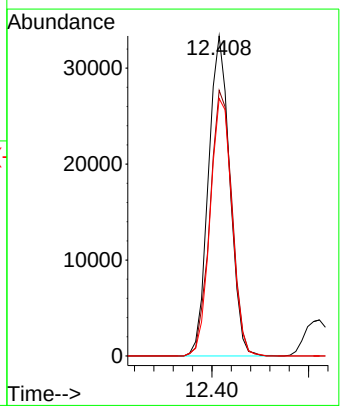


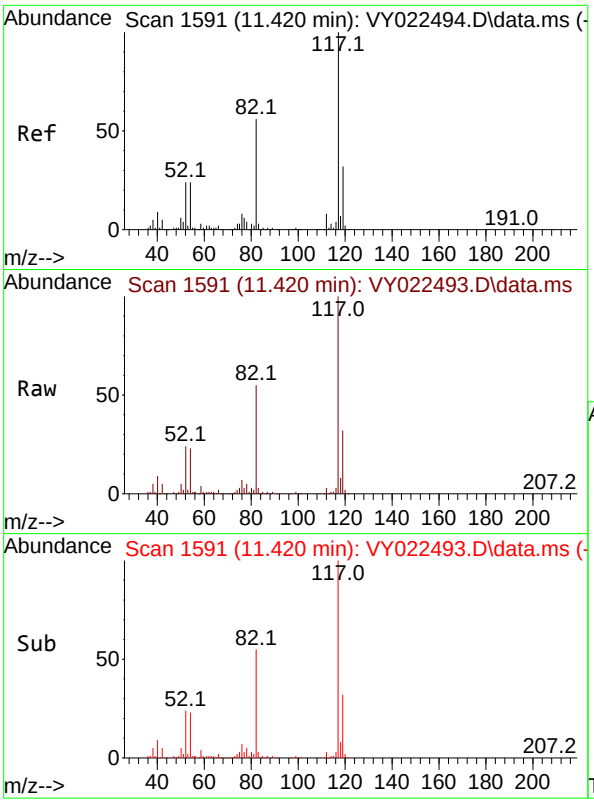


#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 95 Resp: 51231

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	170.0
176	82.3	0.0	166.2



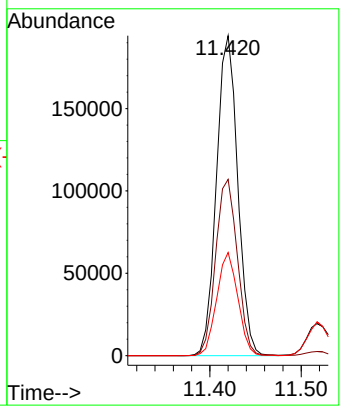


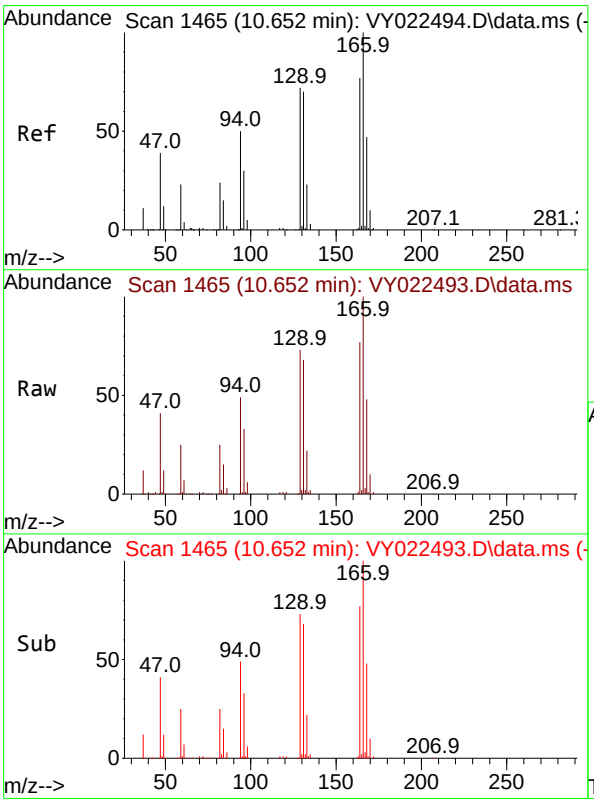
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 314276

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	32.2	25.4	38.0

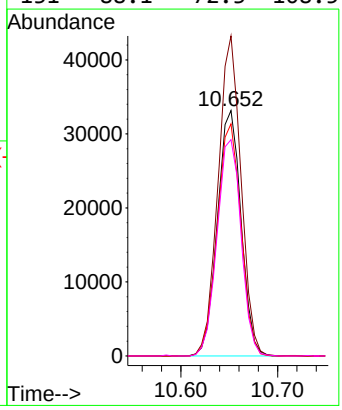


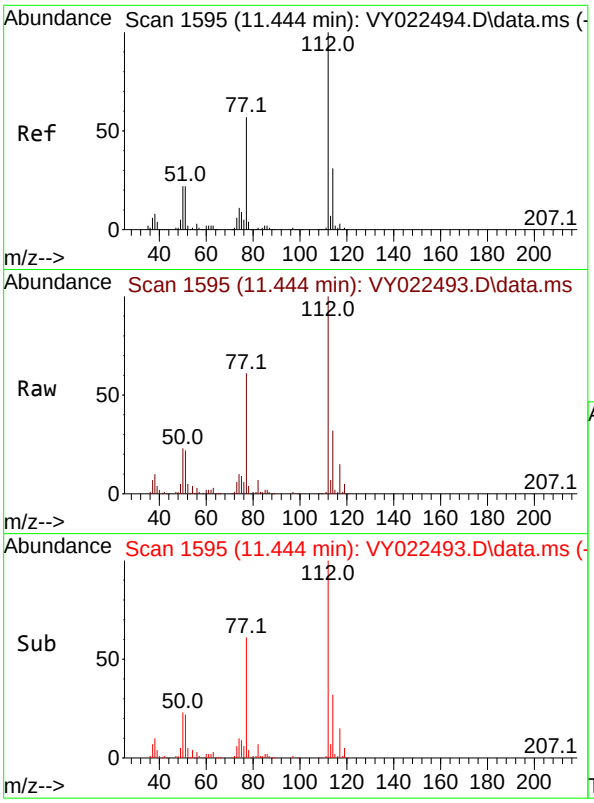


#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:164 Resp: 56256

Ion	Ratio	Lower	Upper
164	100		
166	130.3	104.0	156.0
129	94.6	74.5	111.7
131	88.1	72.3	108.5



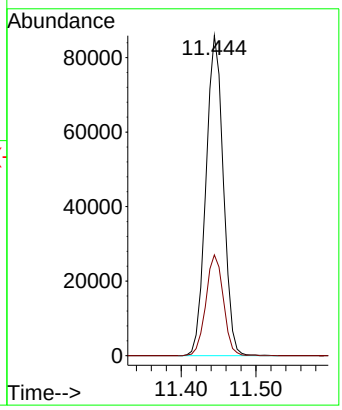


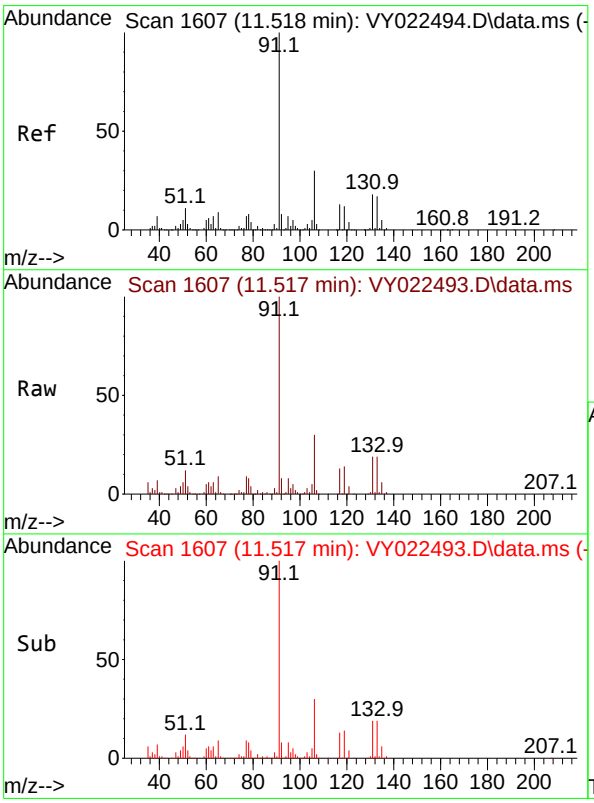
#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 138583

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

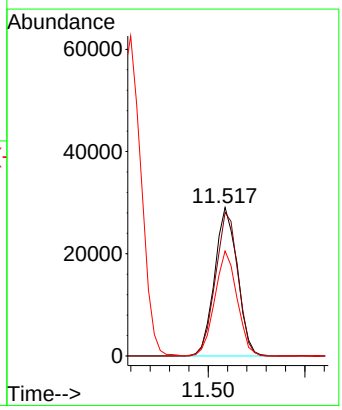


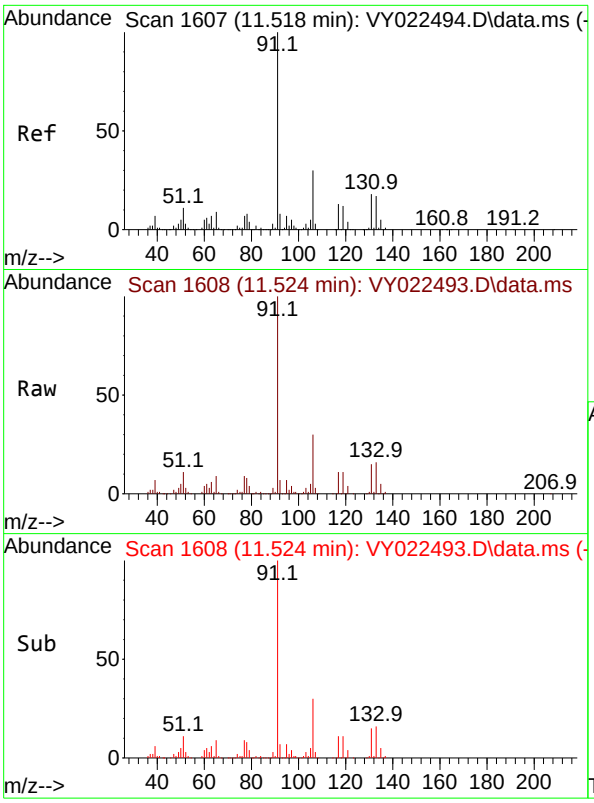


#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.8
119	68.9	33.1	99.3



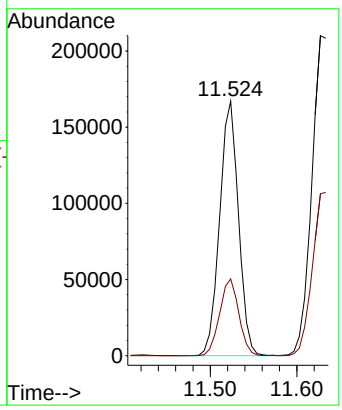


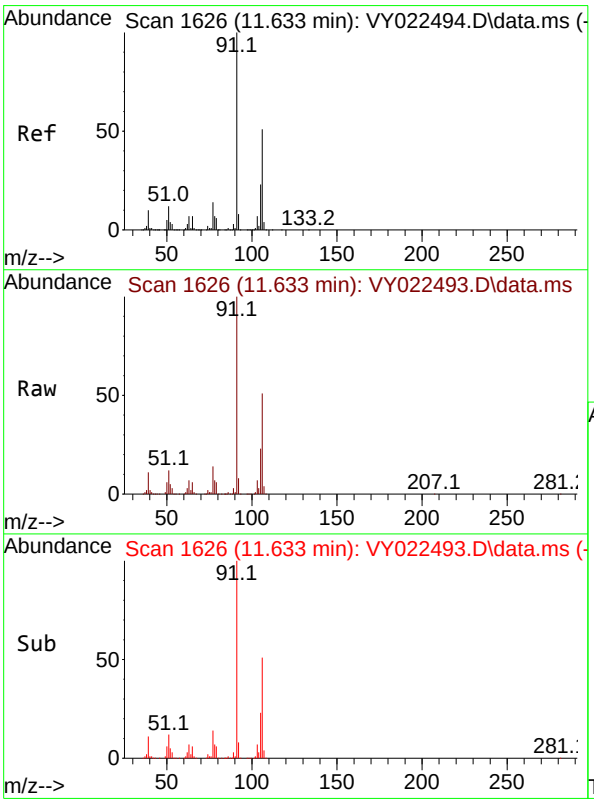
#67
Ethyl Benzene
Concen: 19.871 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 252180

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4

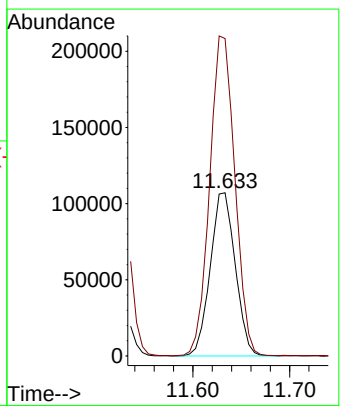


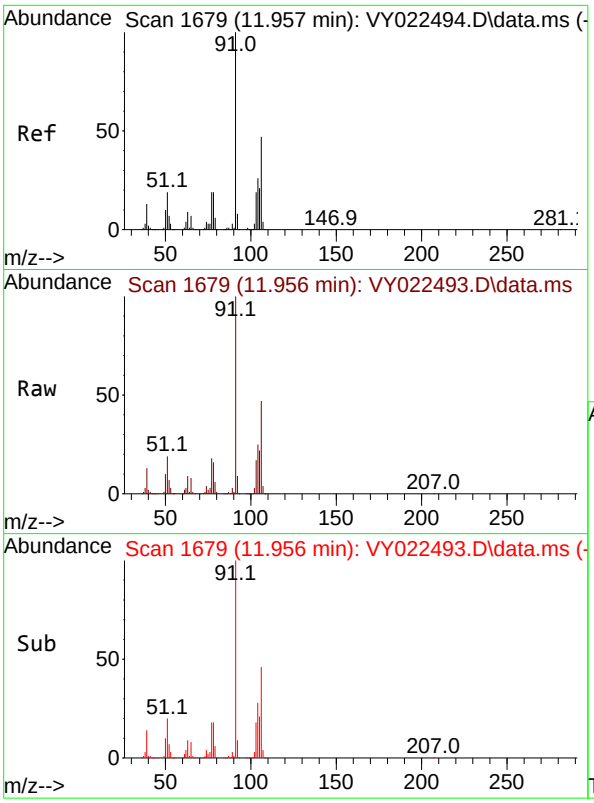


#68
m/p-Xylenes
Concen: 40.053 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 192372

Ion	Ratio	Lower	Upper
106	100		
91	197.2	159.4	239.0



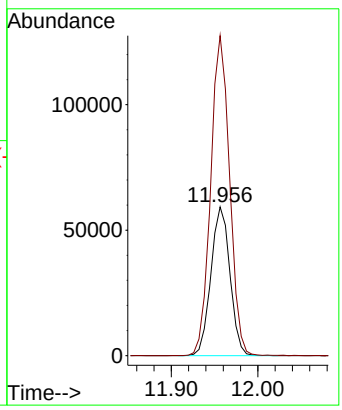


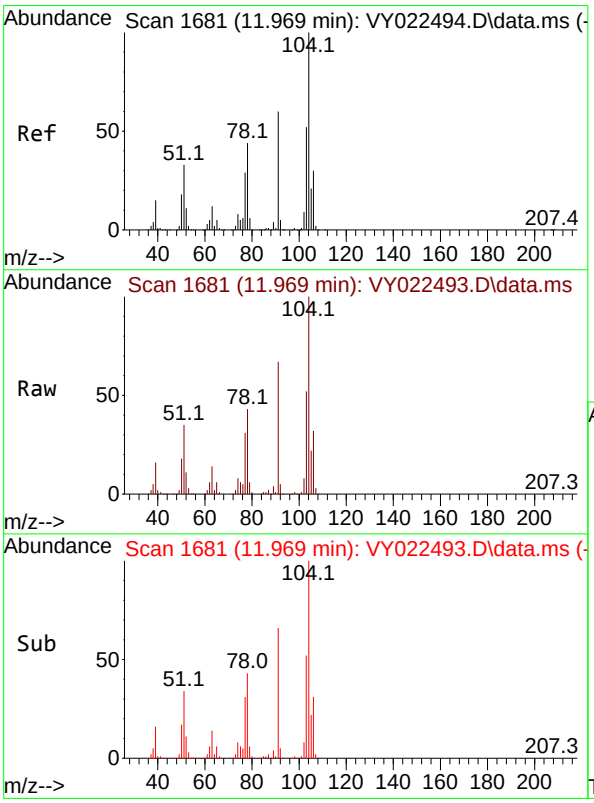
#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 90598

Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.8	317.3

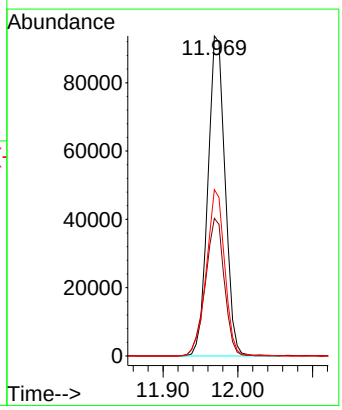


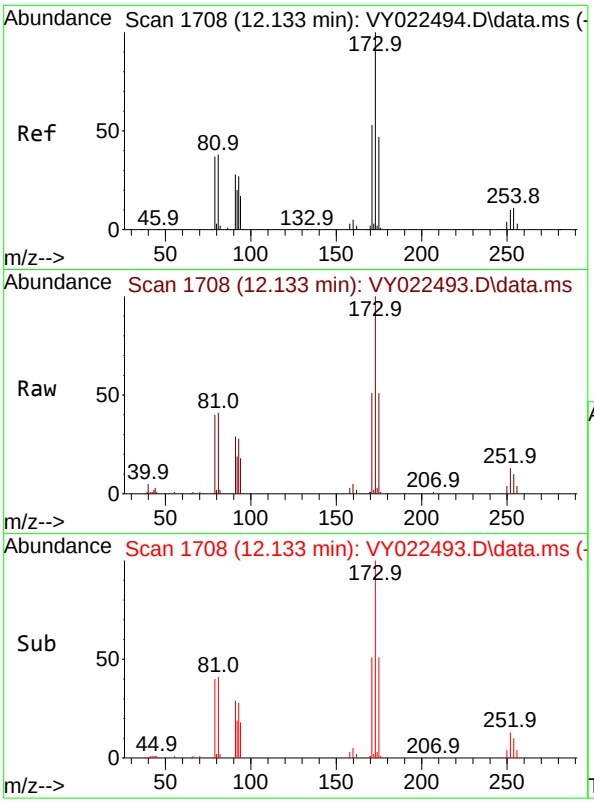


#70
Styrene
Concen: 20.086 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:104 Resp: 149486

Ion	Ratio	Lower	Upper
104	100		
78	47.5	39.5	59.3
103	55.4	44.1	66.1



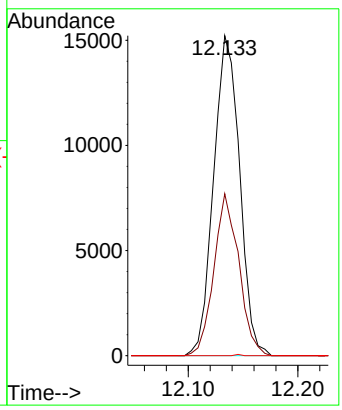


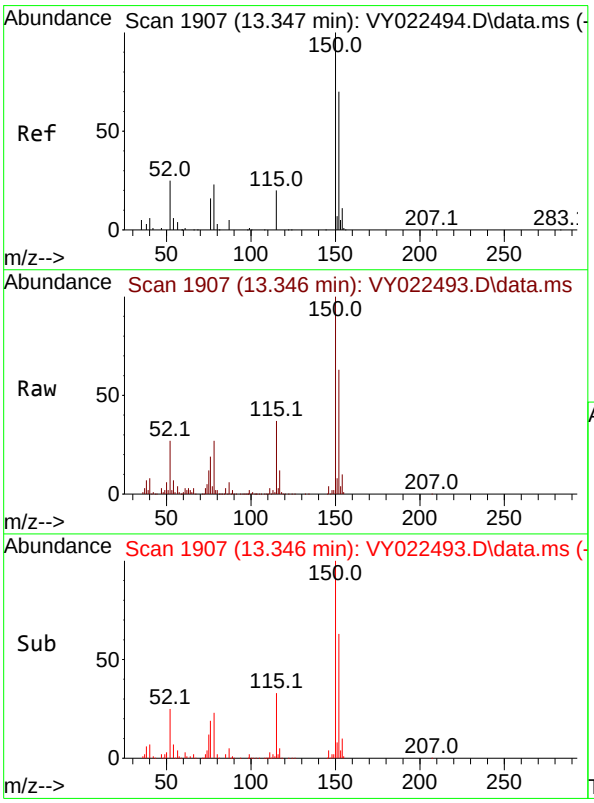
#71
Bromoform
Concen: 20.668 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 25089

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.1	0.0	0.0#

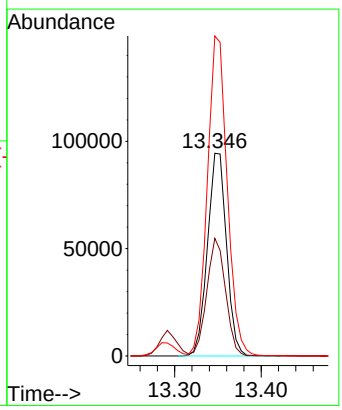


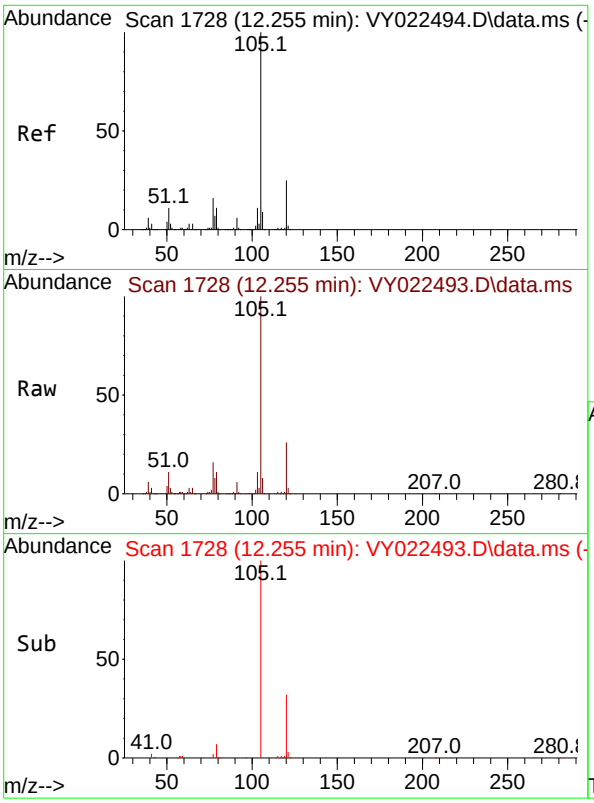


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:152 Resp: 144385

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	164.8	0.0	349.6



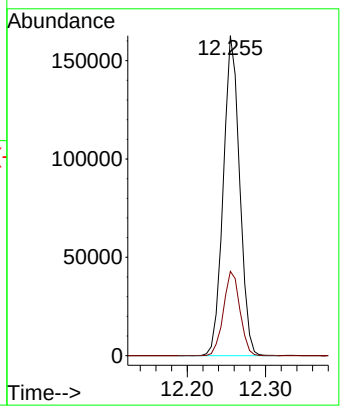


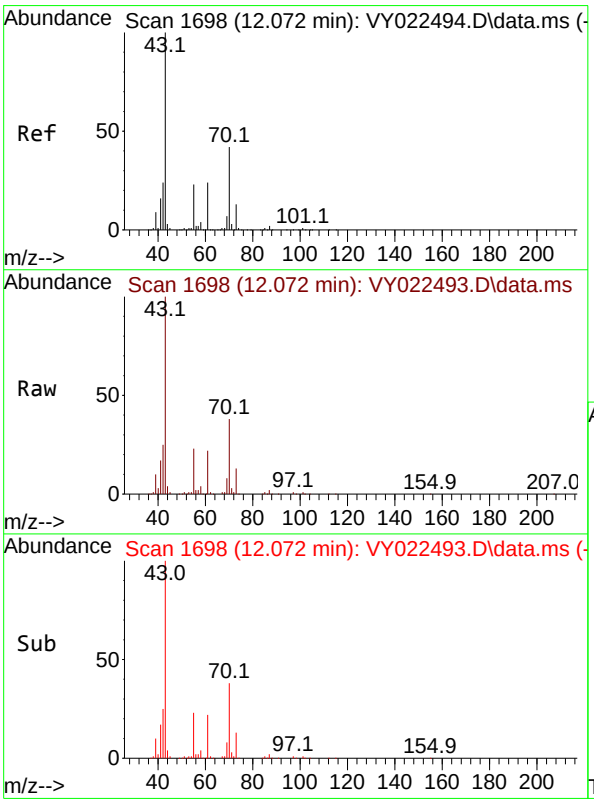
#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 236185

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9

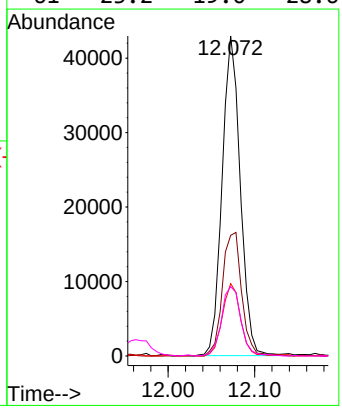


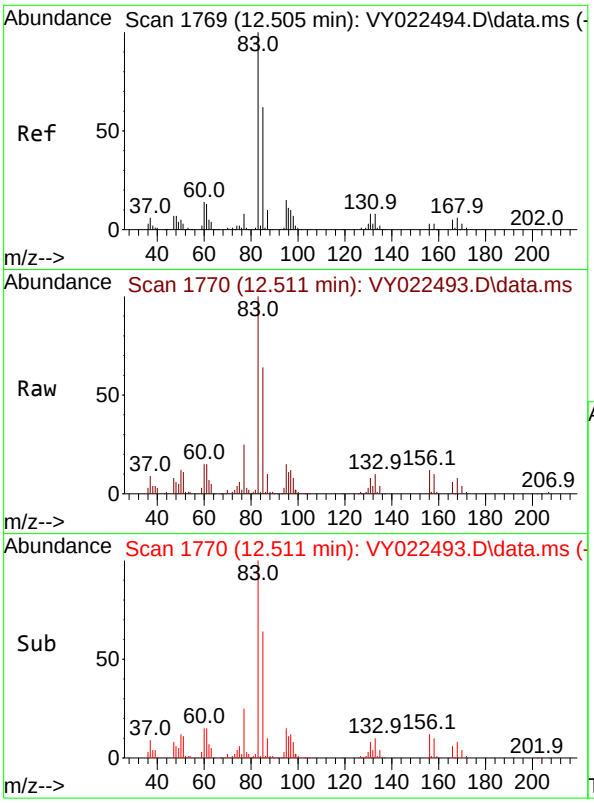


#74
N-amyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 62437

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	22.6	18.2	27.4
61	23.2	19.0	28.6



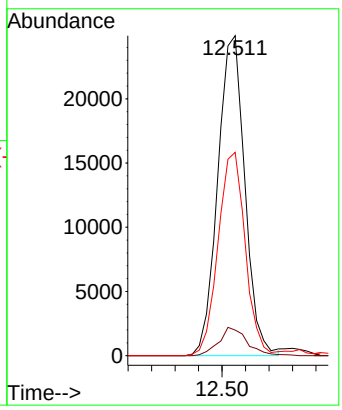


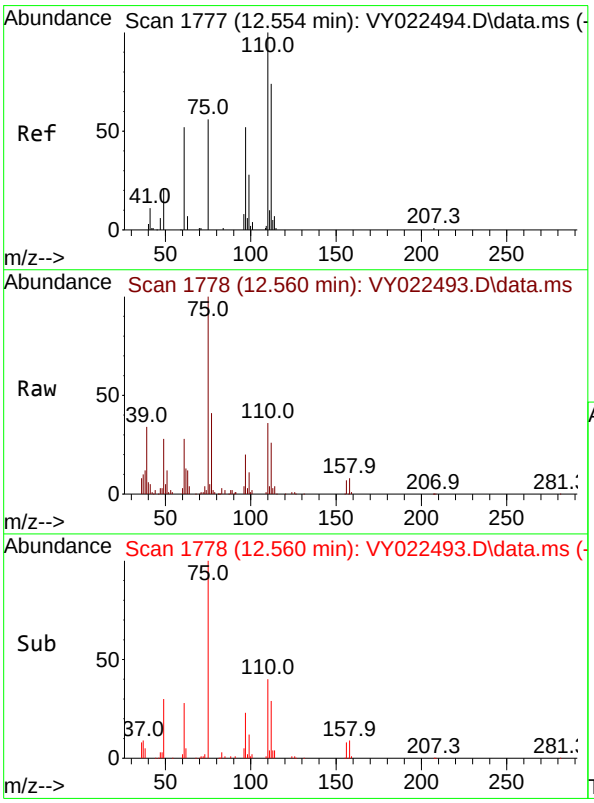
#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 39986

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.8	32.6	97.8

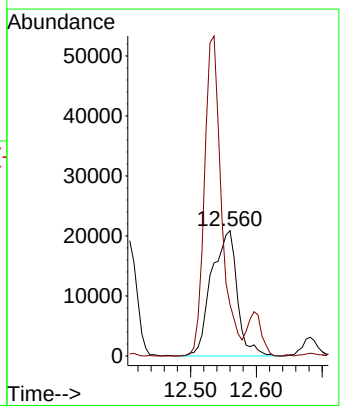


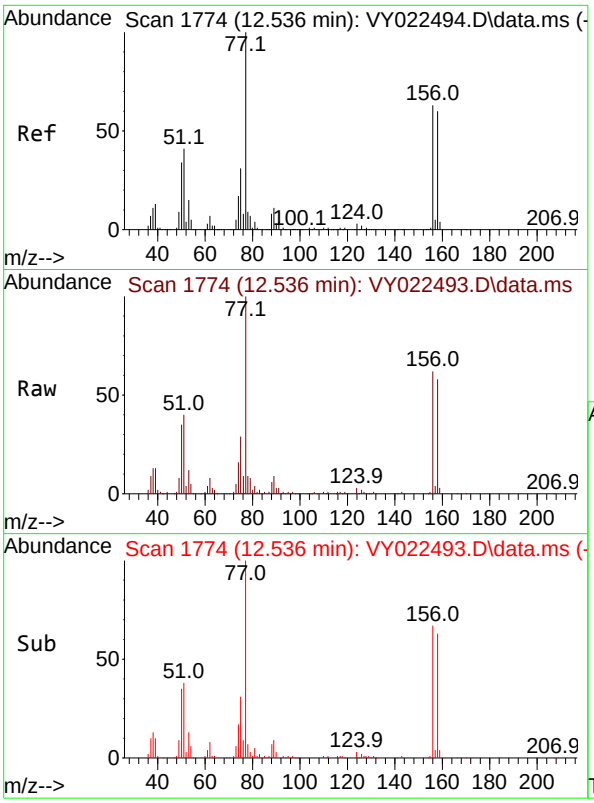


#76
1,2,3-Trichloropropane
Concen: 29.805 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 56811

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



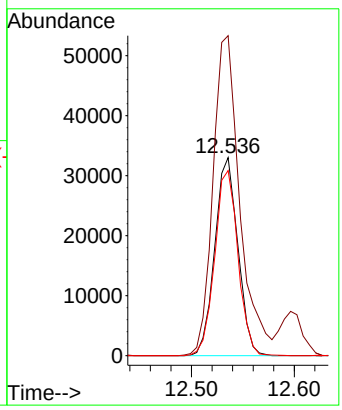


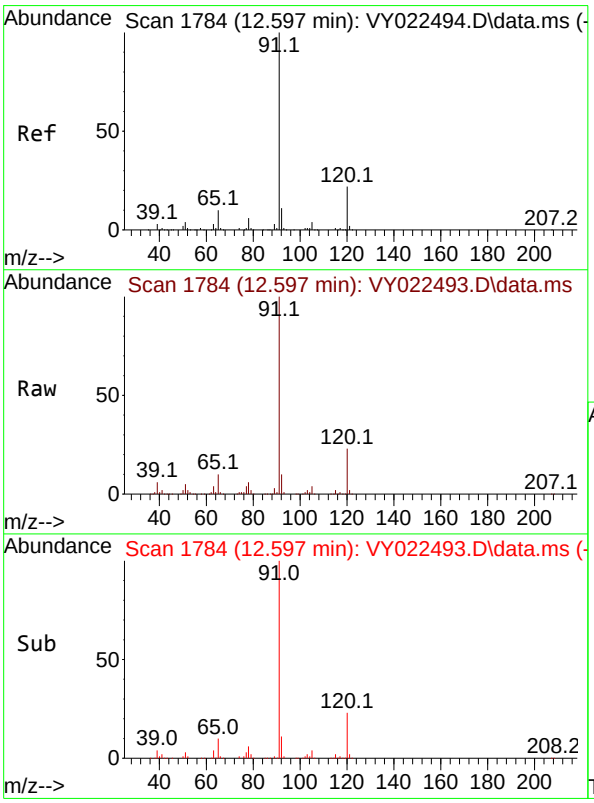
#77
Bromobenzene
Concen: 20.853 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 51416

Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.0	282.1
158	94.2	48.2	144.6

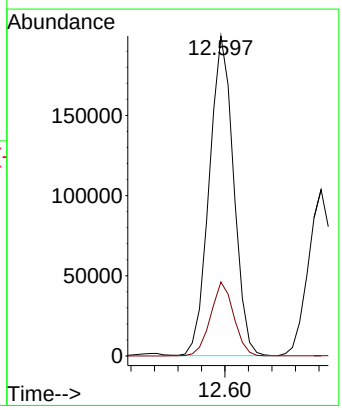


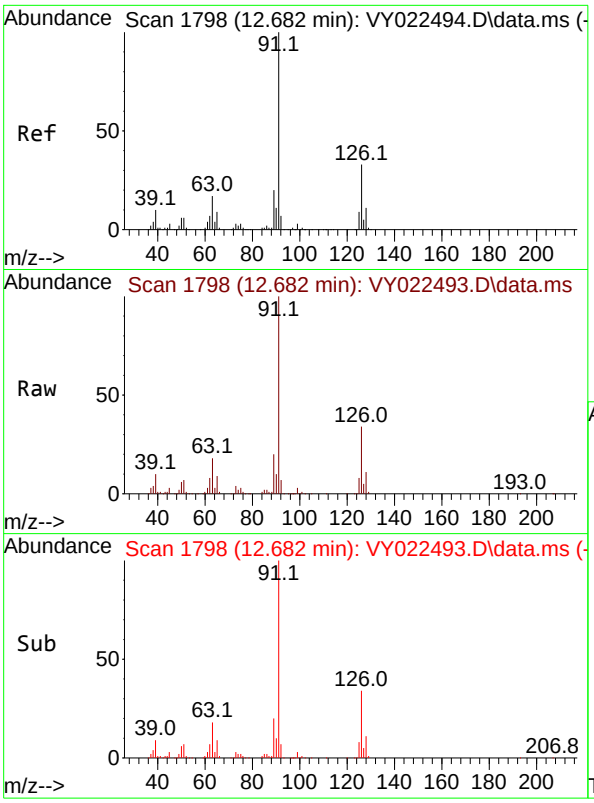


#78
n-propylbenzene
Concen: 20.239 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 286589

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



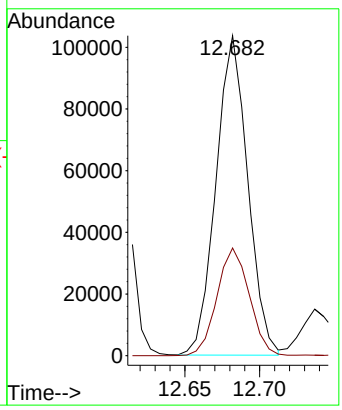


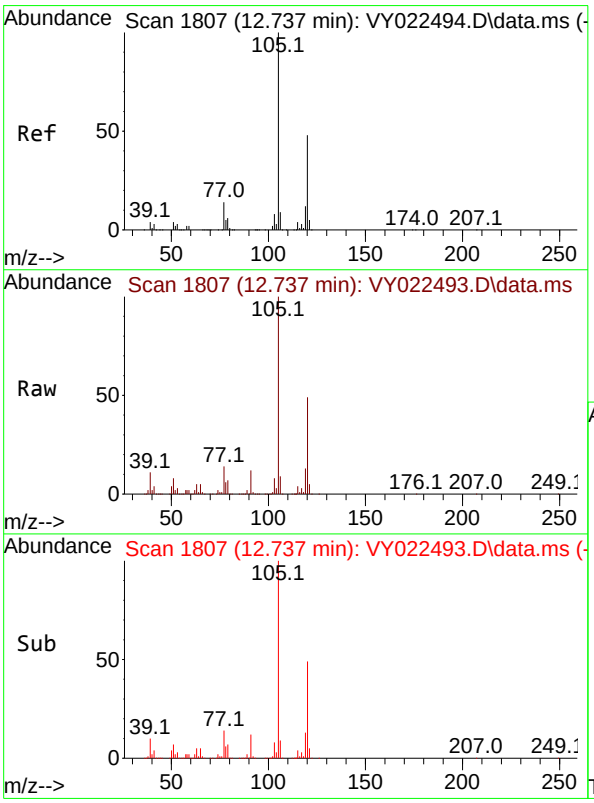
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 153250

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

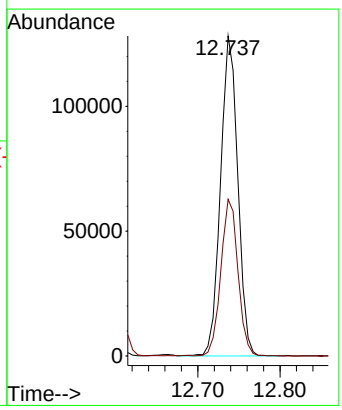


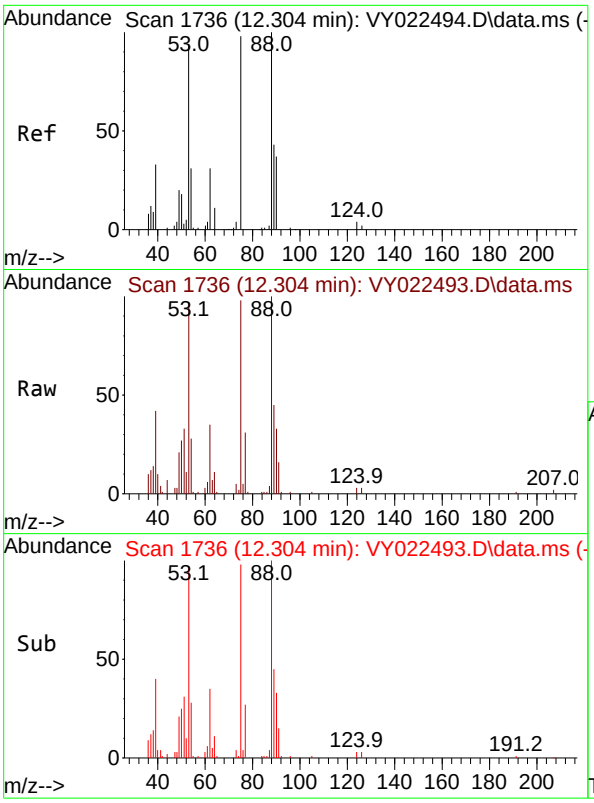


#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 187101

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.1	72.4



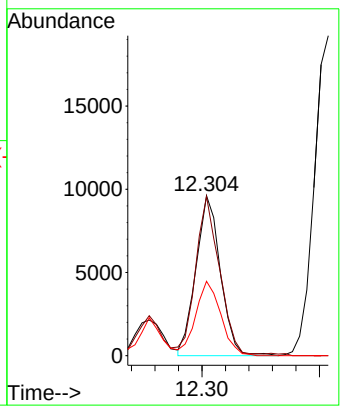


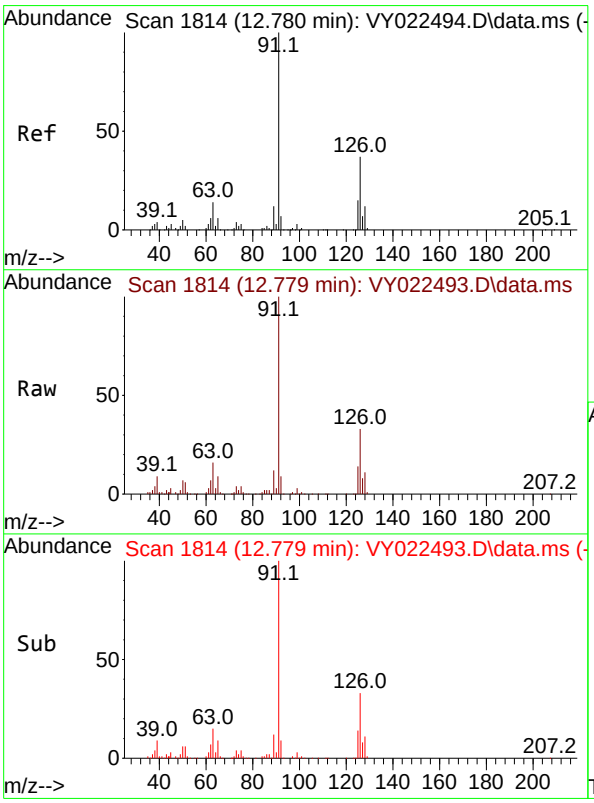
#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 13897

Ion	Ratio	Lower	Upper
75	100		
53	96.6	78.5	117.7
89	47.7	35.7	53.5

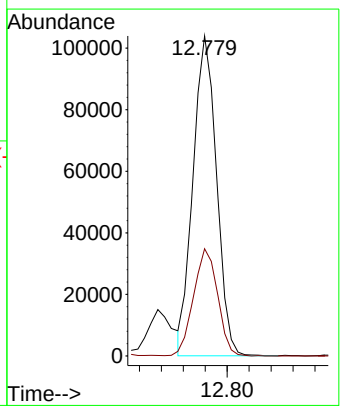


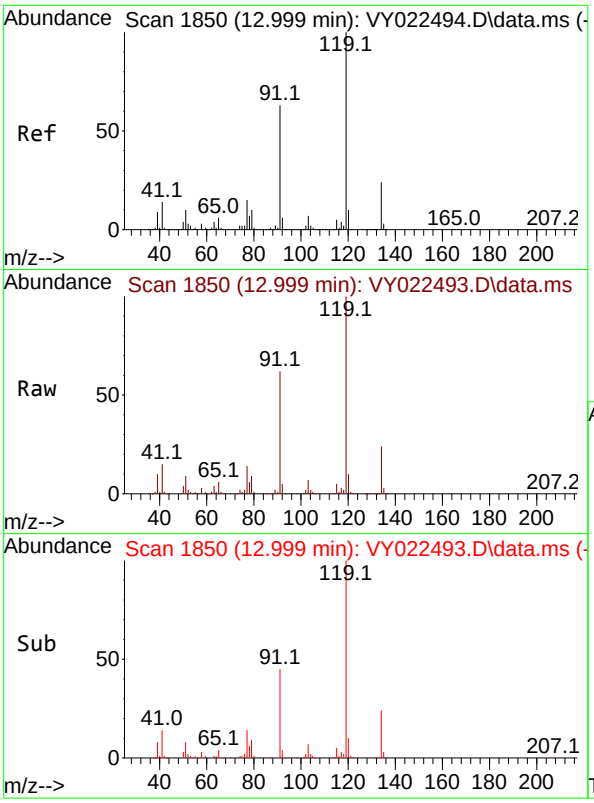


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9



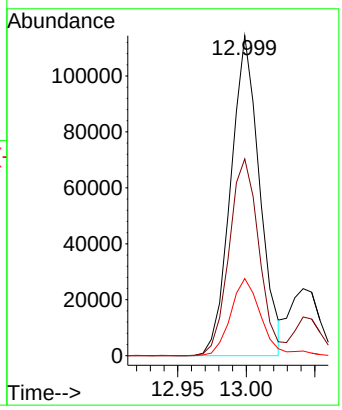


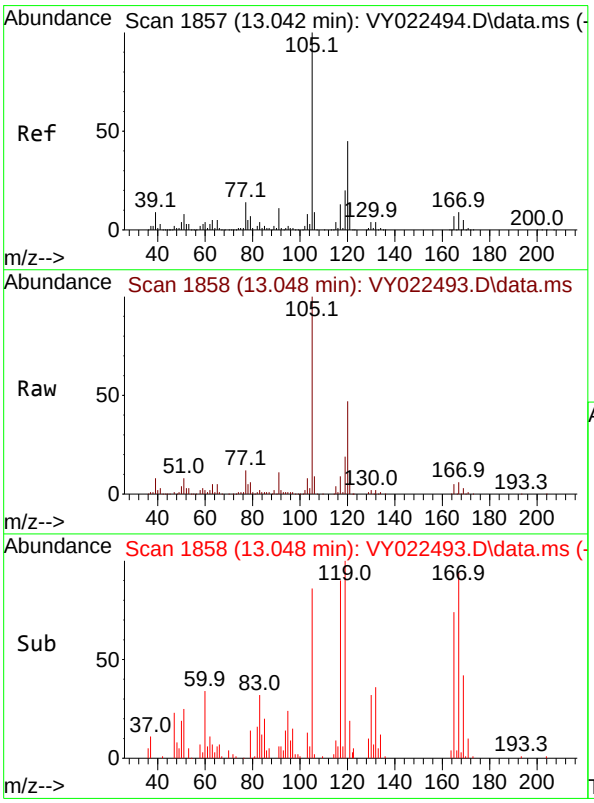
#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 167512

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	25.7	13.0	38.9

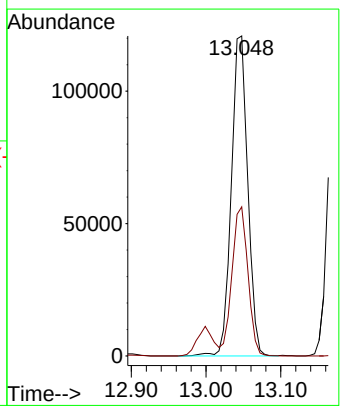


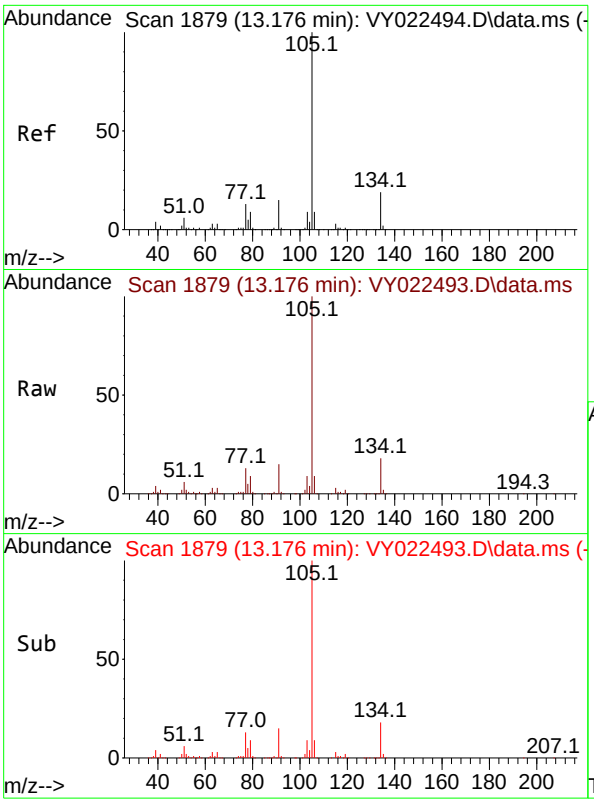


#84
1,2,4-Trimethylbenzene
Concen: 20.241 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 184202

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1



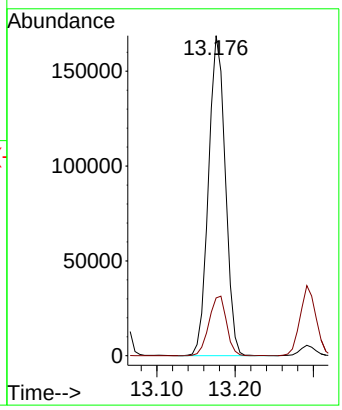


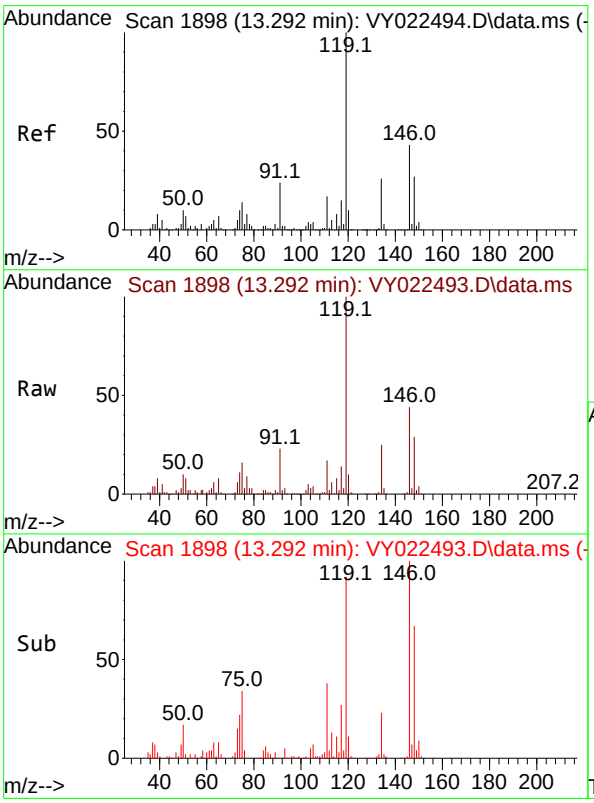
#85
sec-Butylbenzene
Concen: 19.979 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 251350

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

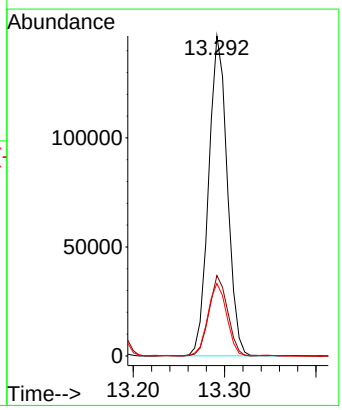


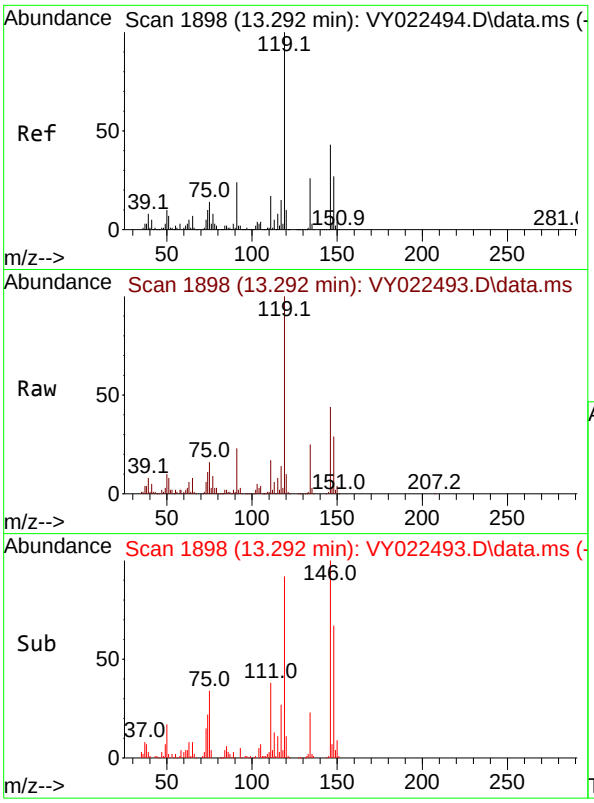


#86
p-Isopropyltoluene
Concen: 20.054 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 207417

Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.1	39.1
91	22.8	11.6	34.8



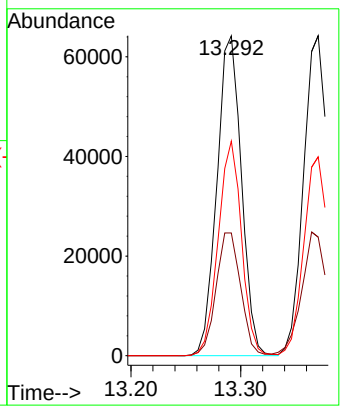


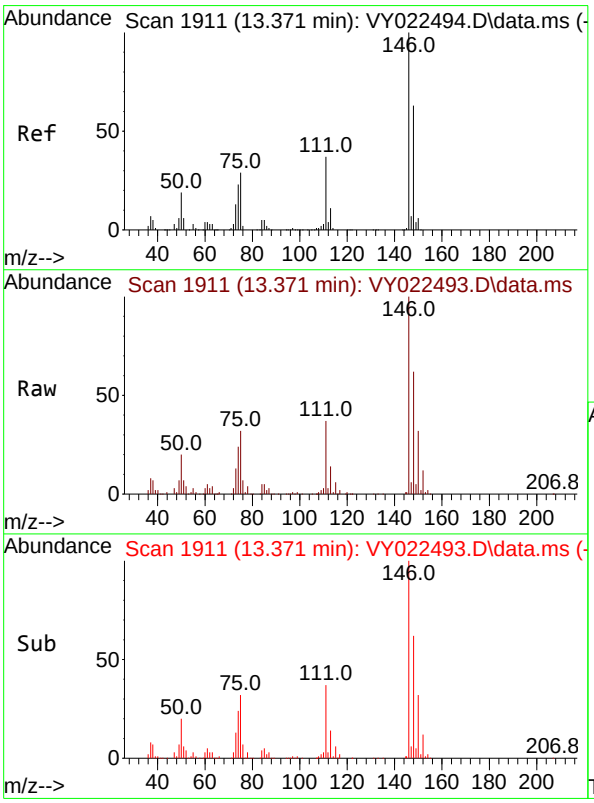
#87
1,3-Dichlorobenzene
Concen: 20.252 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 99901

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3

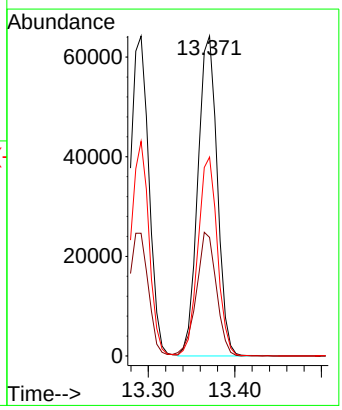


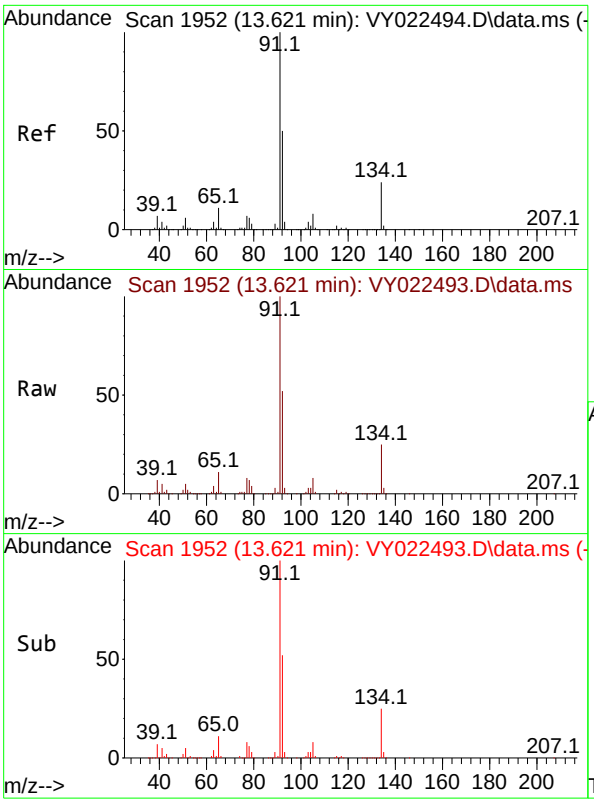


#88
1,4-Dichlorobenzene
Concen: 20.823 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 100082

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	62.1	31.6	94.8



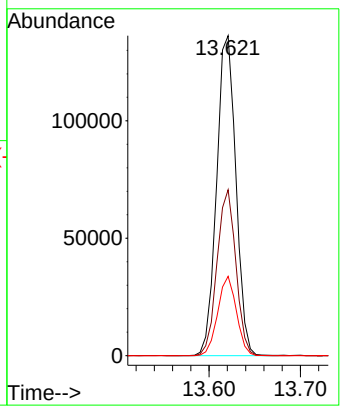


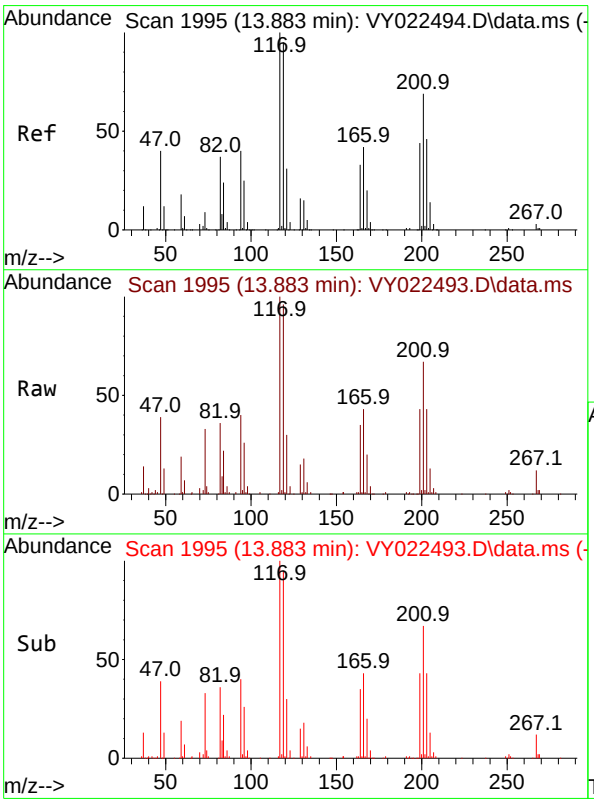
#89
n-Butylbenzene
Concen: 20.287 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 199786

Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.8
134	24.1	12.0	36.1

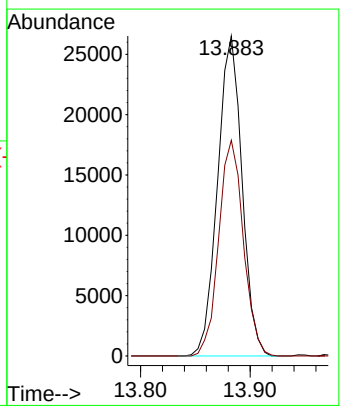


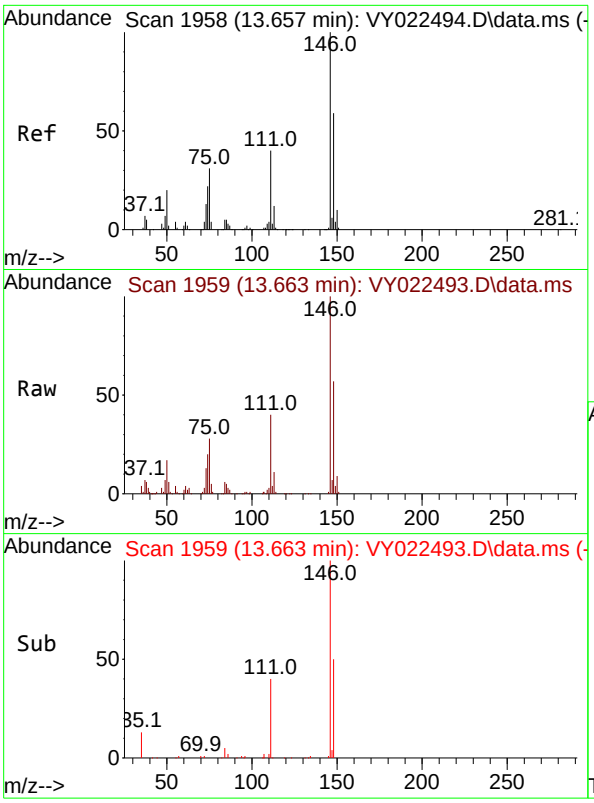


#90
Hexachloroethane
Concen: 20.316 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 41119

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0



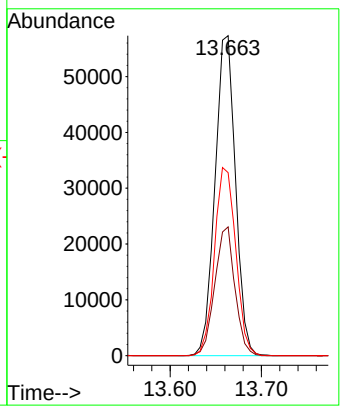


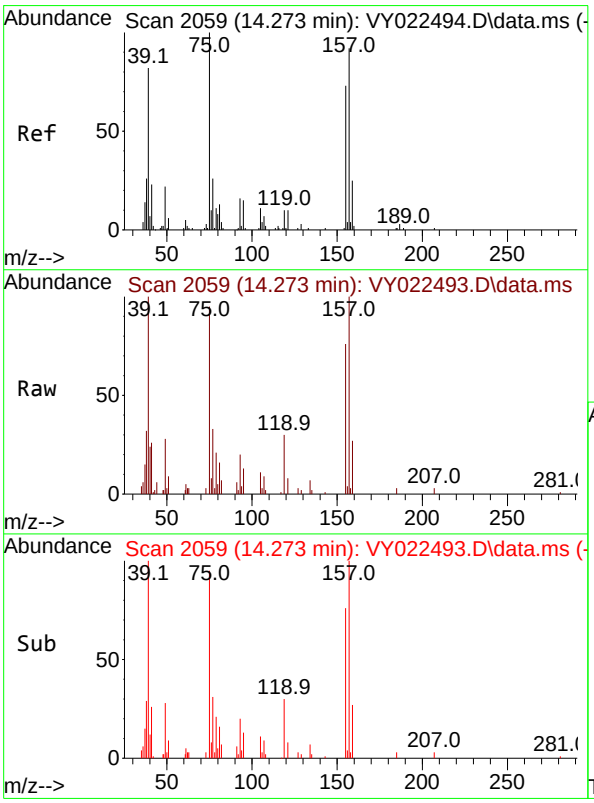
#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 89355

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	60.9	31.4	94.0

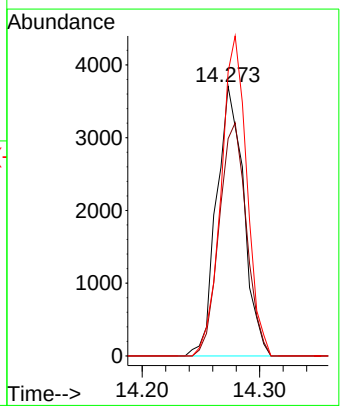


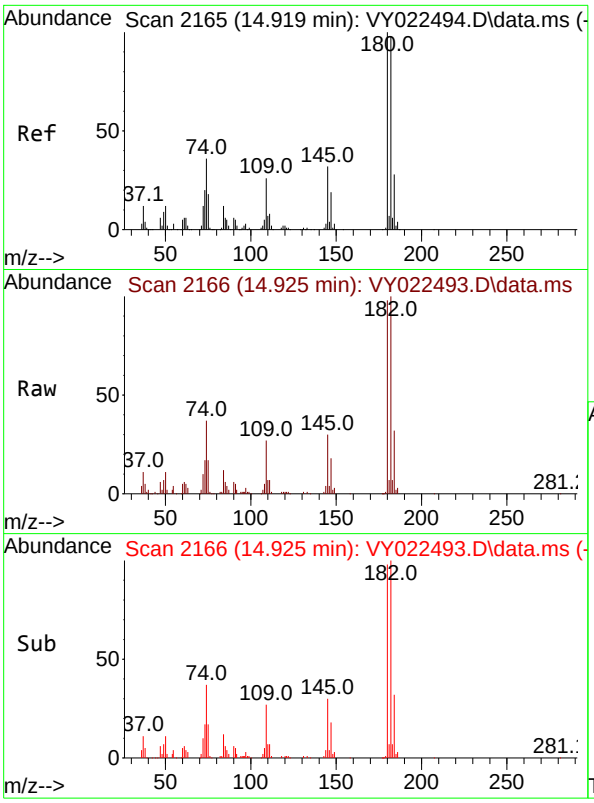


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	112.6	54.0	162.0



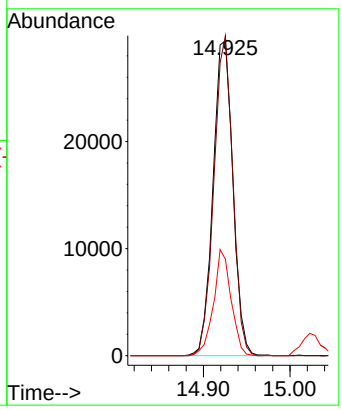


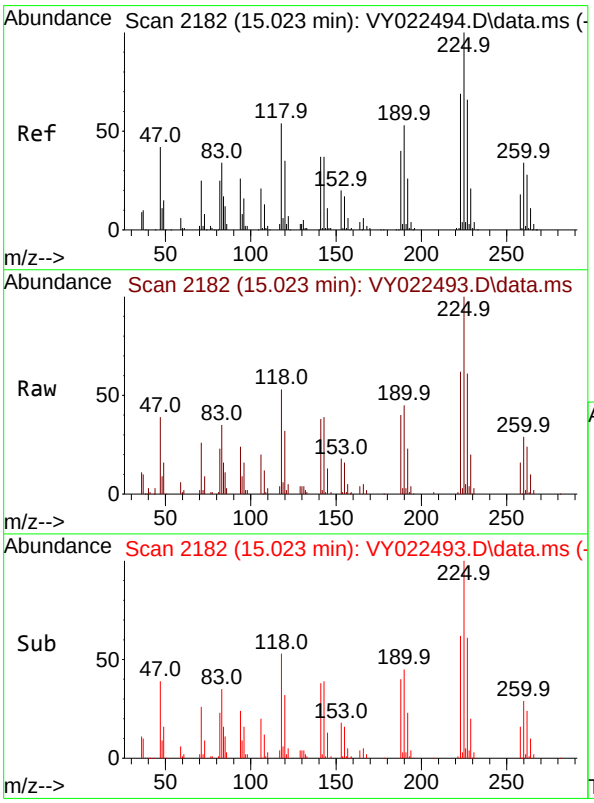
#93
1,2,4-Trichlorobenzene
Concen: 20.254 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 46919

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	29.8	15.5	46.5

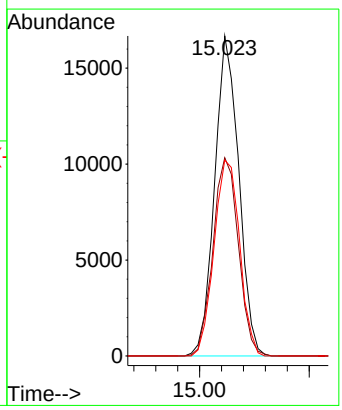


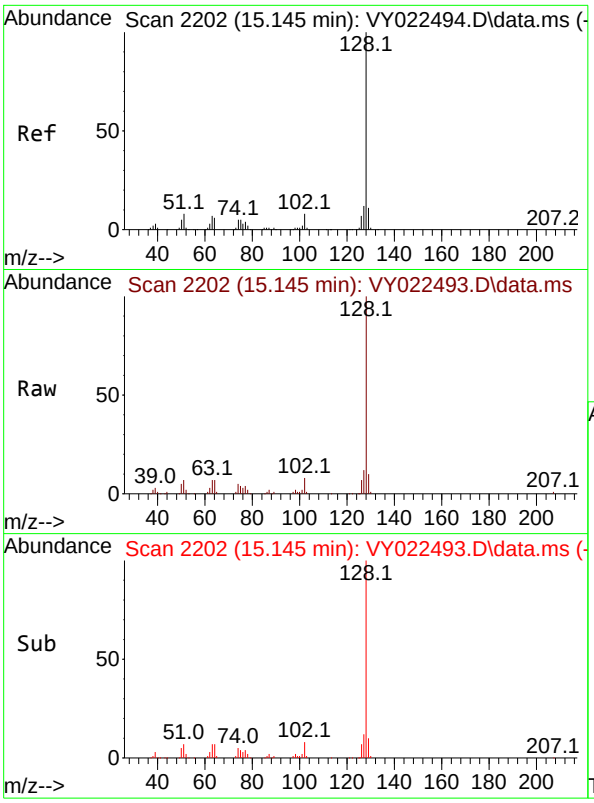


#94
Hexachlorobutadiene
Concen: 20.124 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:225 Resp: 25462

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.5	97.4
227	65.0	32.3	96.9



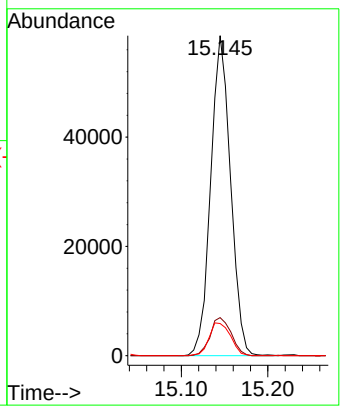


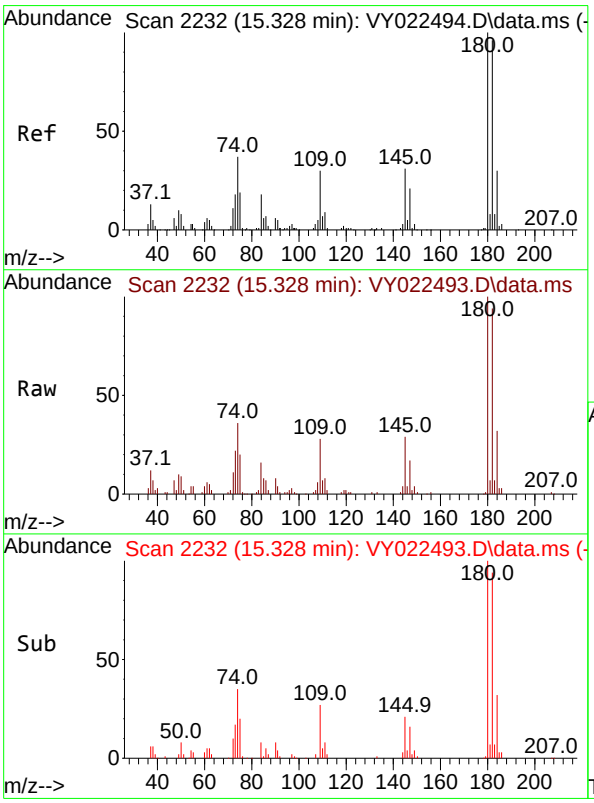
#95
Naphthalene
Concen: 20.994 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 93203

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.9	13.3

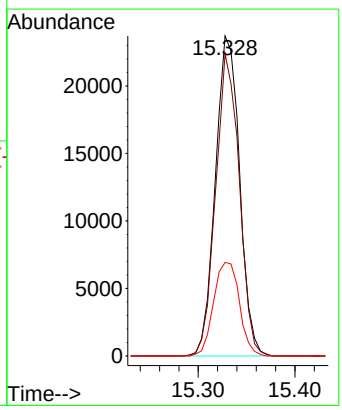




#96
1,2,3-Trichlorobenzene
Concen: 20.892 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	31.1	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	132344	71.836	ug/l	#	100
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

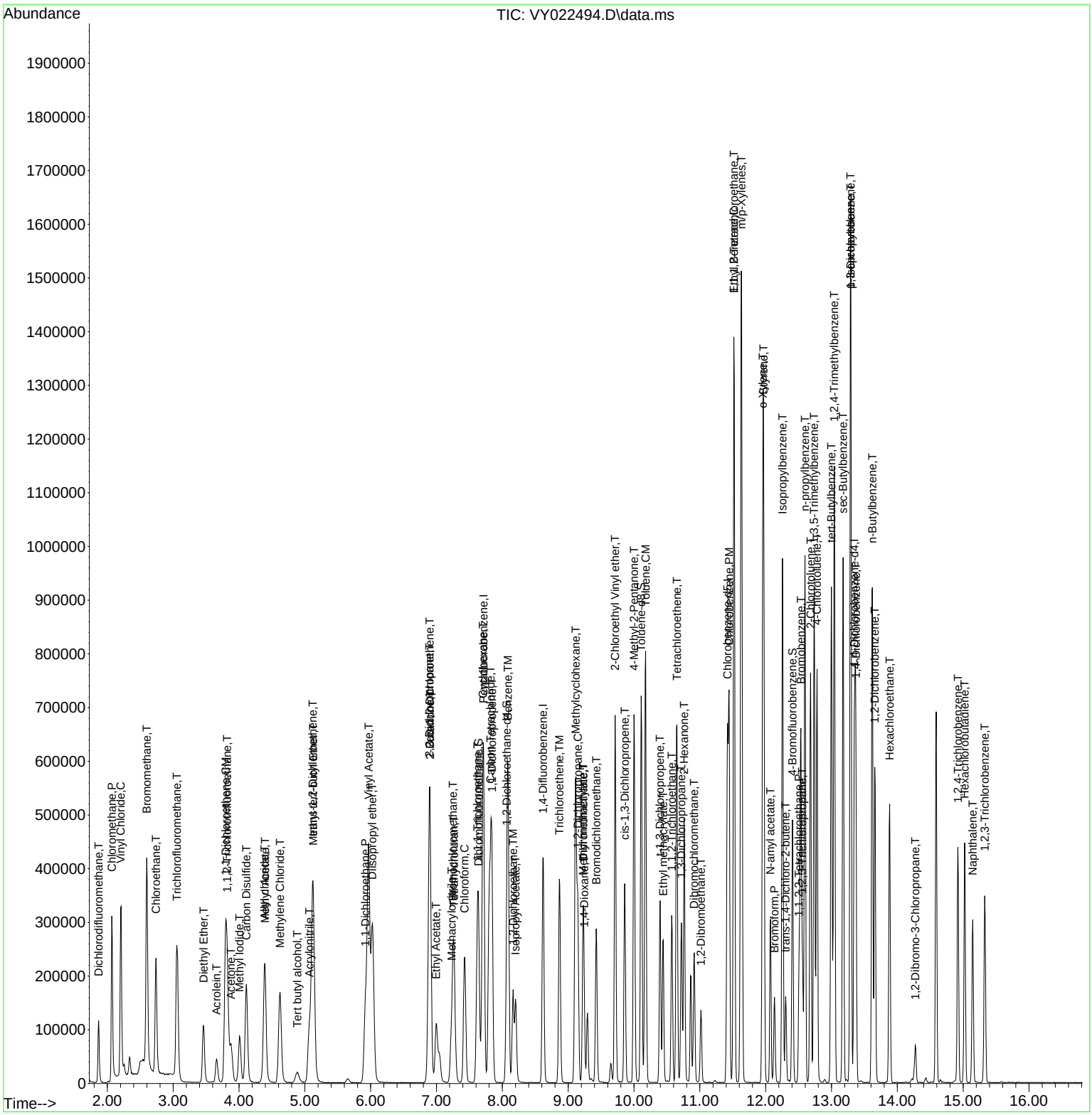
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

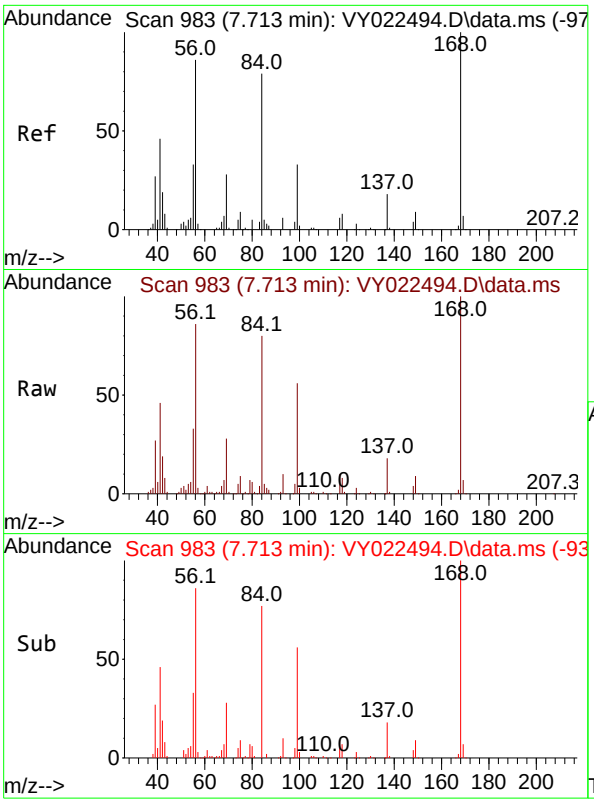
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



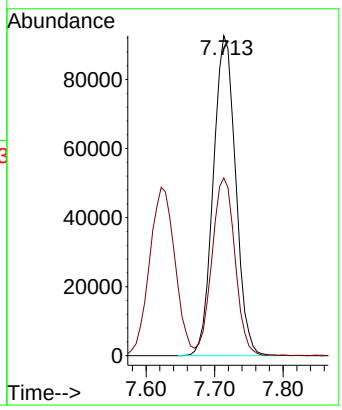


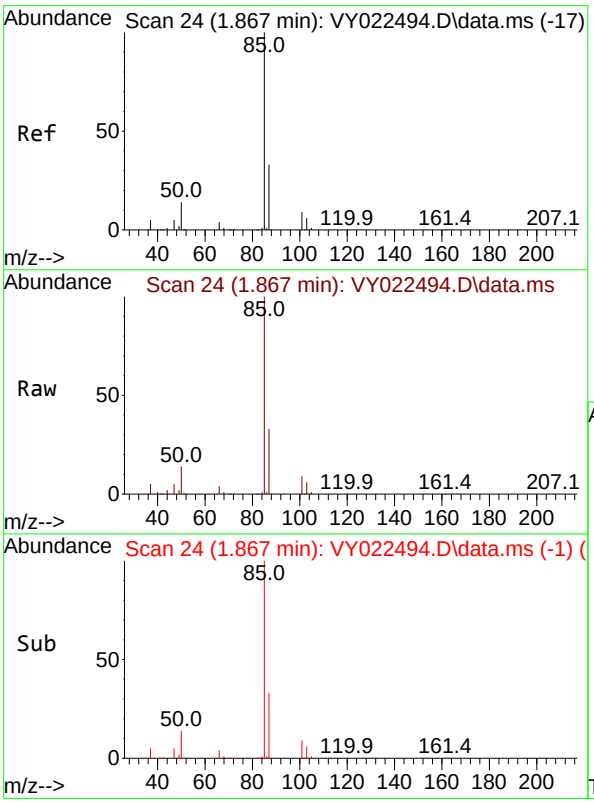
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 209963

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

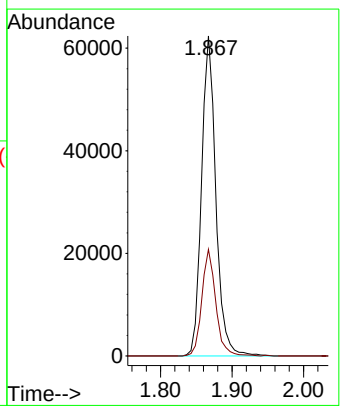


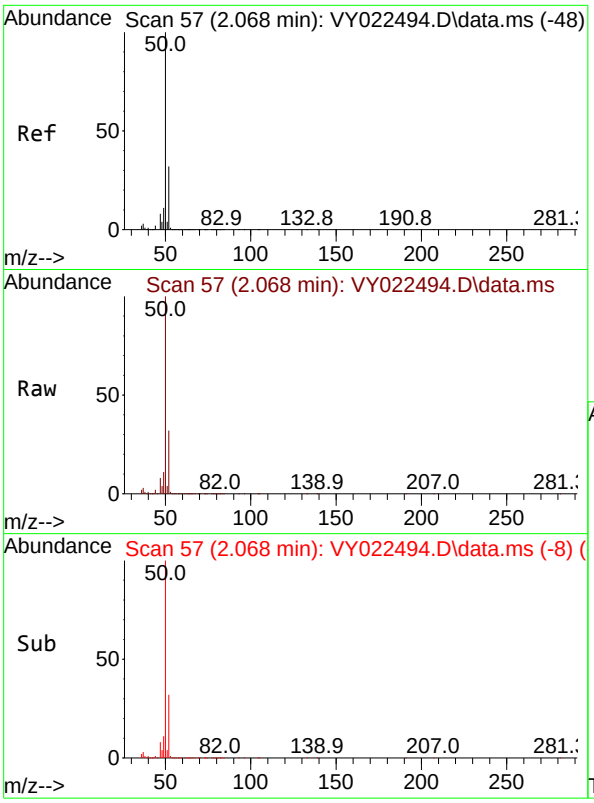


#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 85 Resp: 86654

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.7	50.0



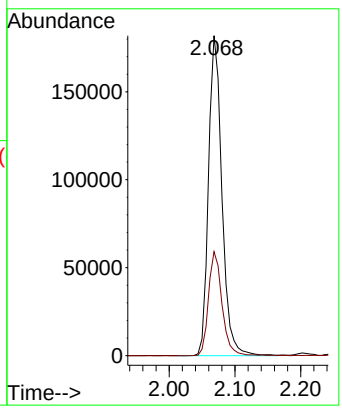


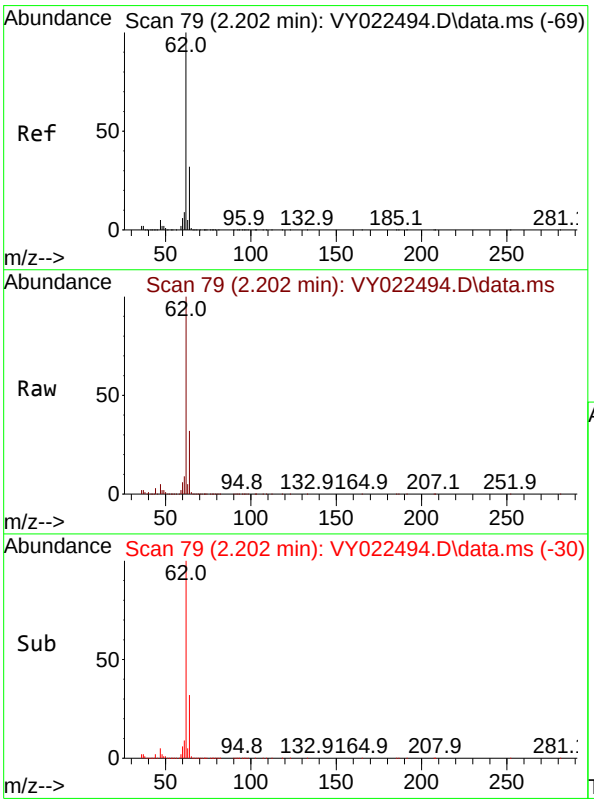
#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 258324

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0

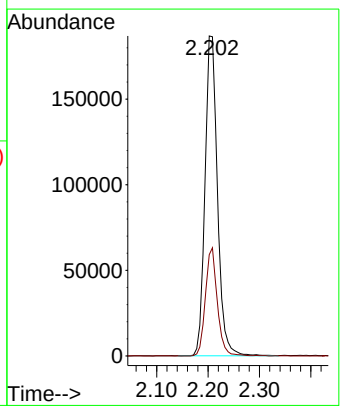


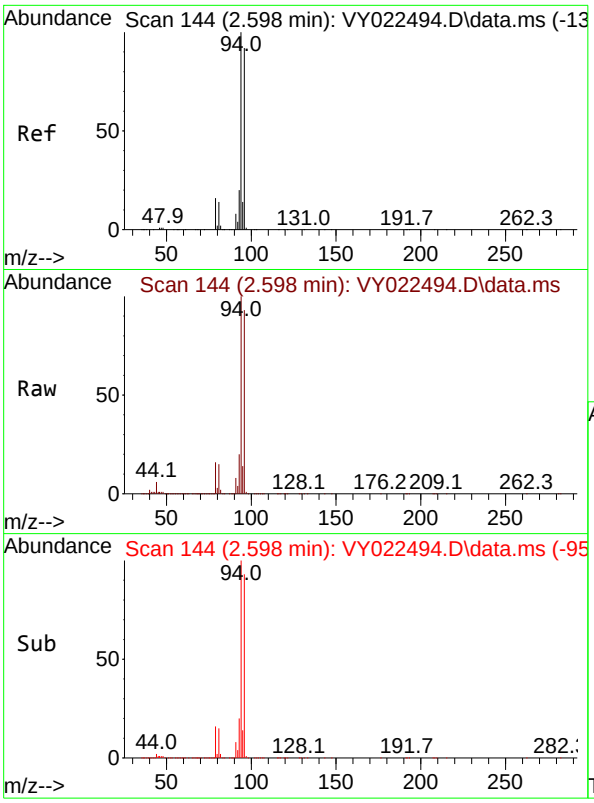


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 314332

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9



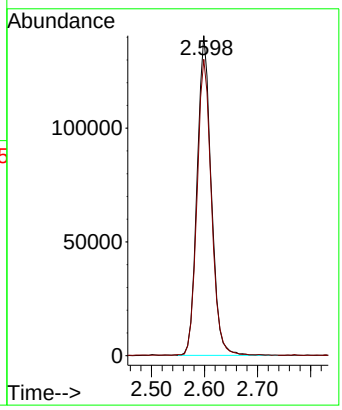


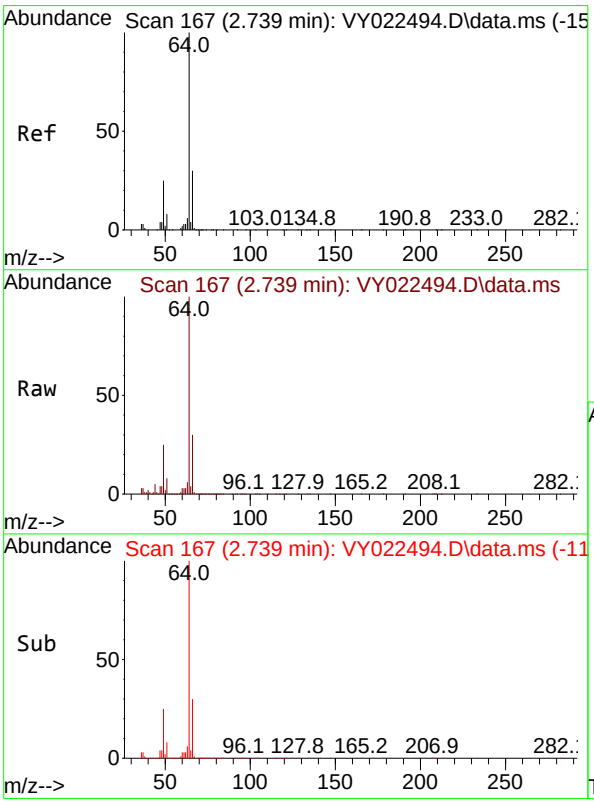
#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 260442

Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.0	111.0

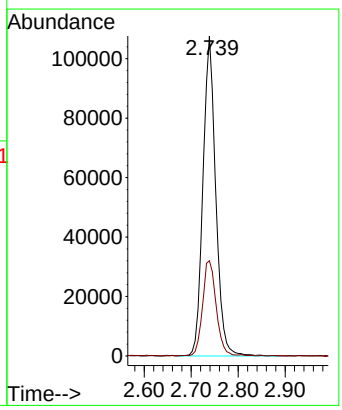


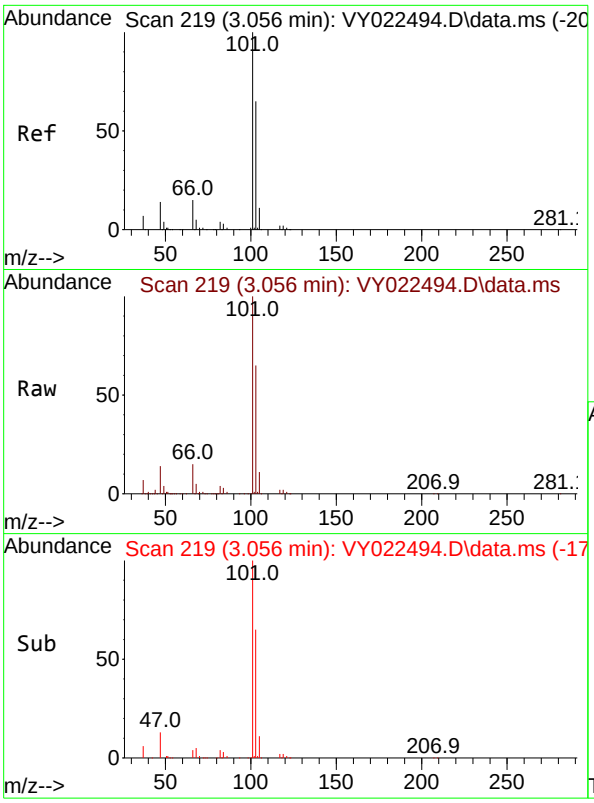


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 64 Resp: 202595

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.8	35.6



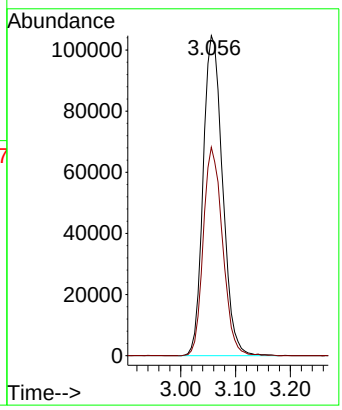


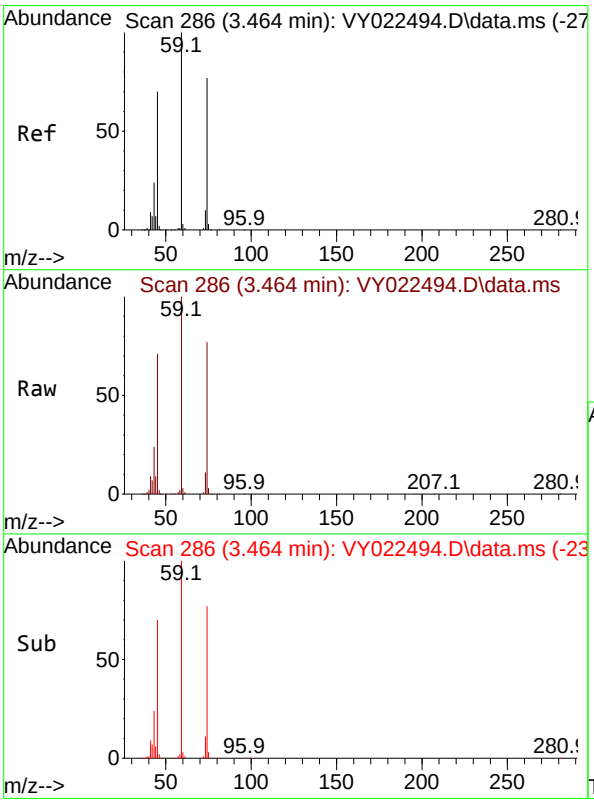
#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 257006

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

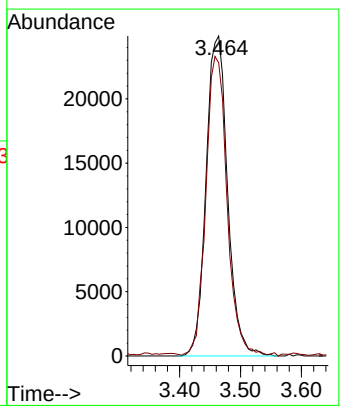


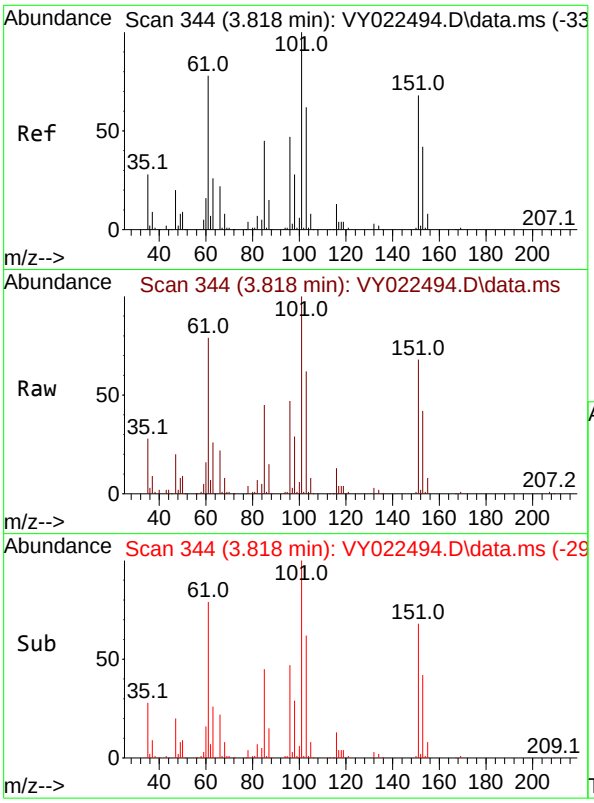


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 74 Resp: 61045

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.6



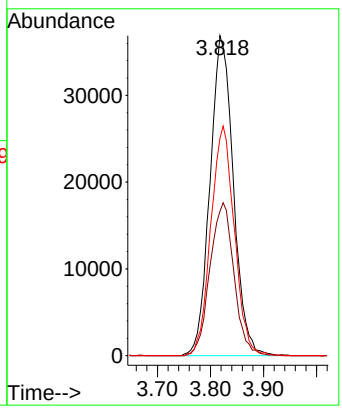


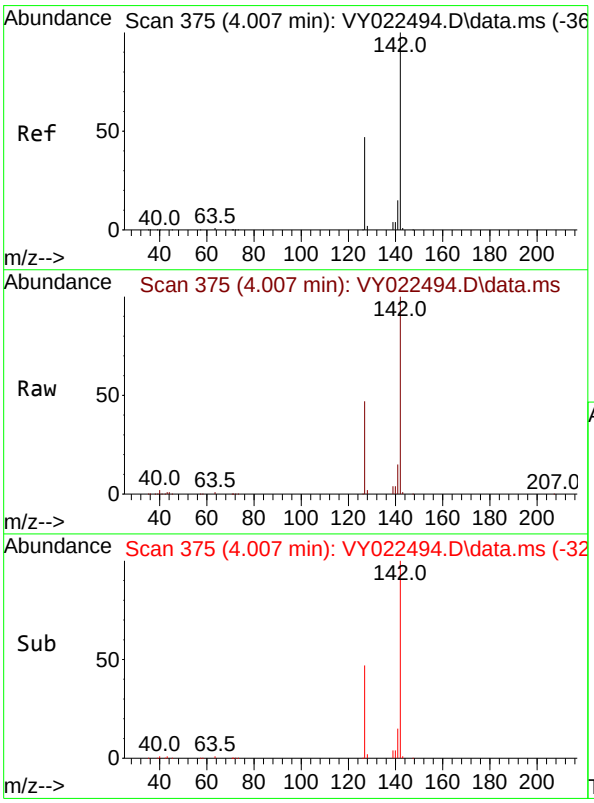
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 112910

Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	72.3	57.8	86.8

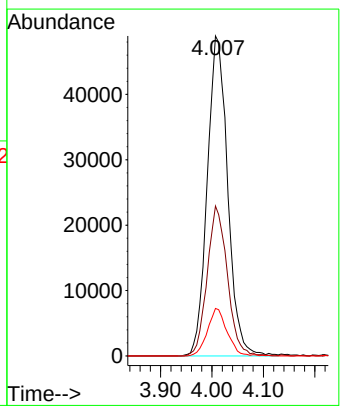


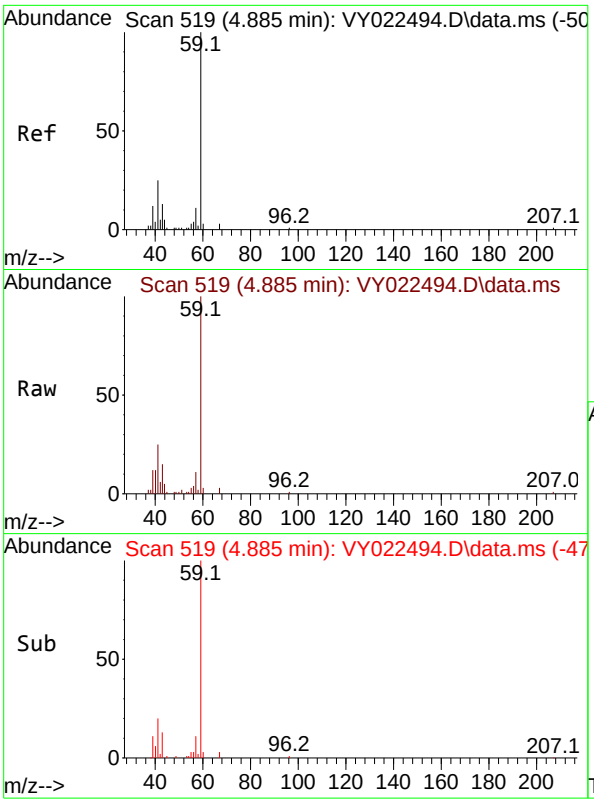


#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237

Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.1	55.7
141	14.3	11.4	17.2



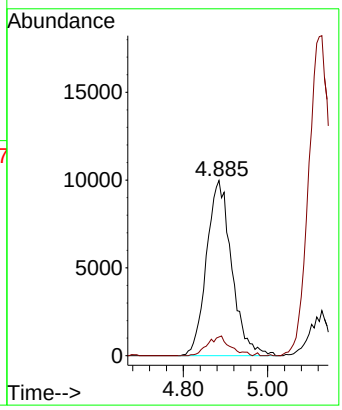


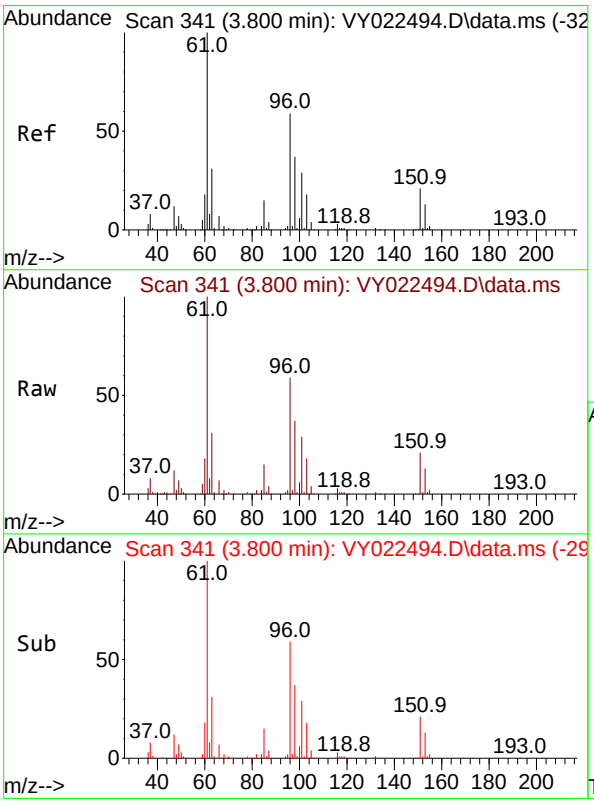
#11
Tert butyl alcohol
Concen: 253.096 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 41304

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

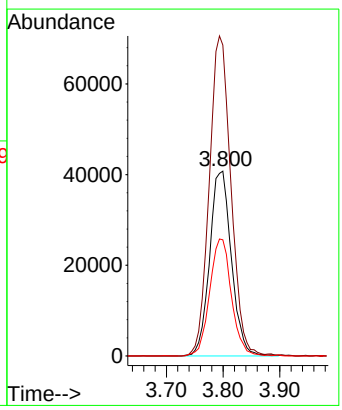


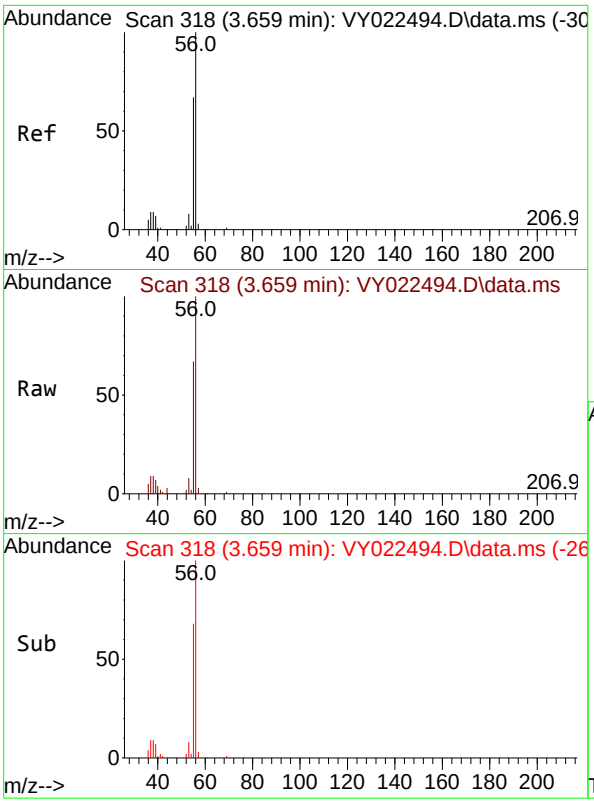


#12
1,1-Dichloroethene
Concen: 50.463 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 108756

Ion	Ratio	Lower	Upper
96	100		
61	168.2	134.6	201.8
98	62.8	50.2	75.4



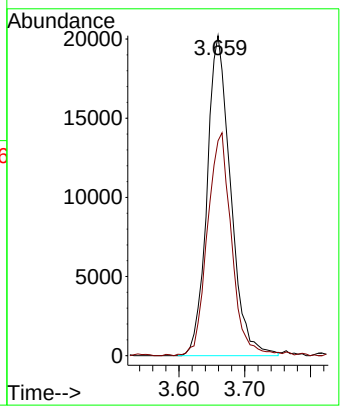


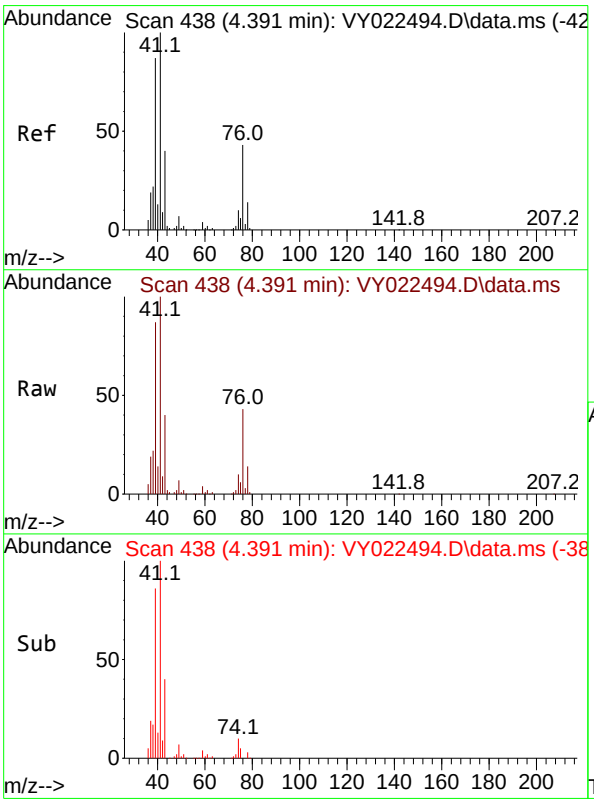
#13
Acrolein
Concen: 252.946 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 50388

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6

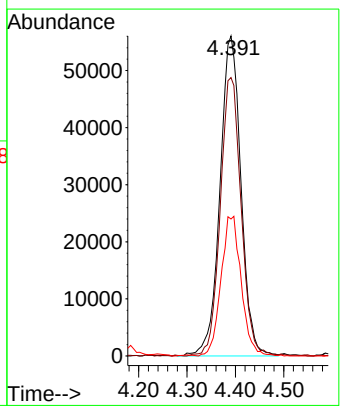


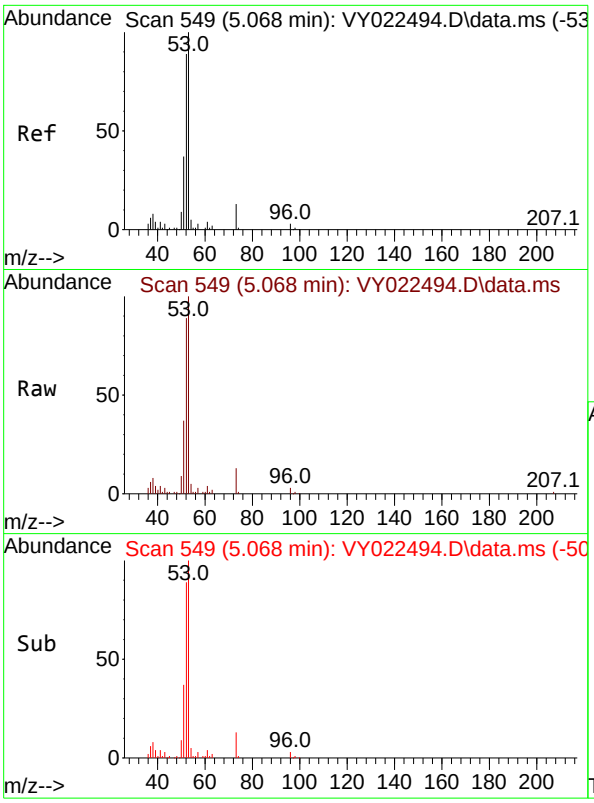


#14
Allyl chloride
Concen: 50.399 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 169258

Ion	Ratio	Lower	Upper
41	100		
39	86.4	69.1	103.7
76	41.9	33.5	50.3



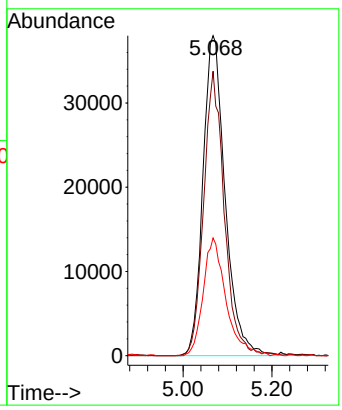


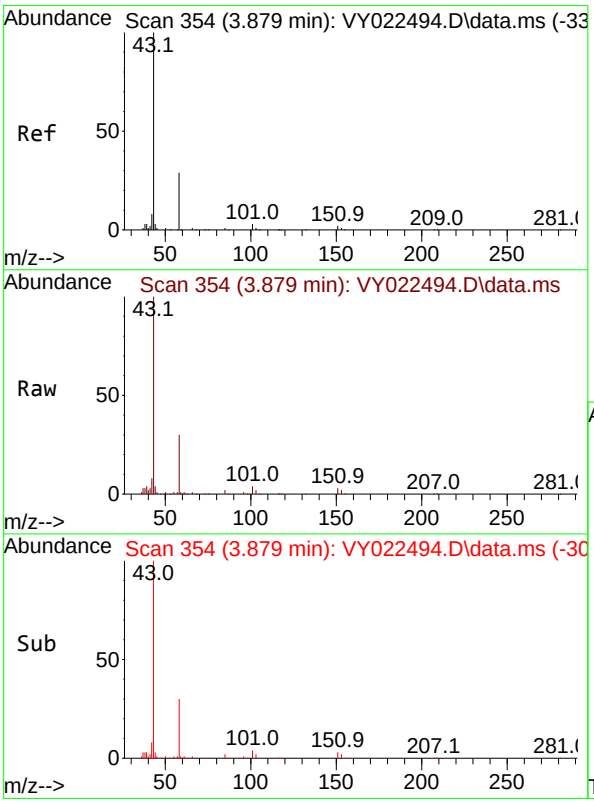
#15
Acrylonitrile
Concen: 261.075 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 132018

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.6	30.1	45.1

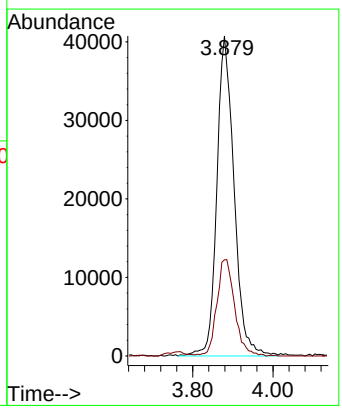


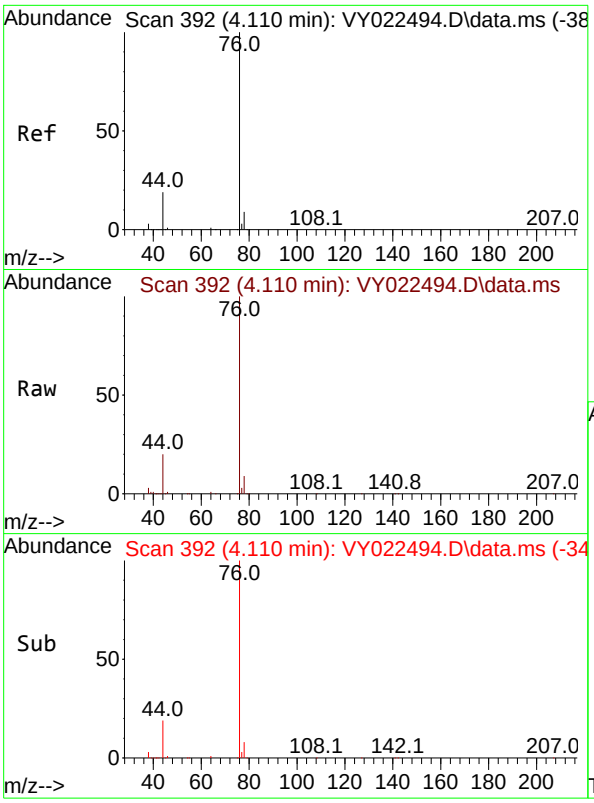


#16
Acetone
Concen: 269.036 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 121507

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0



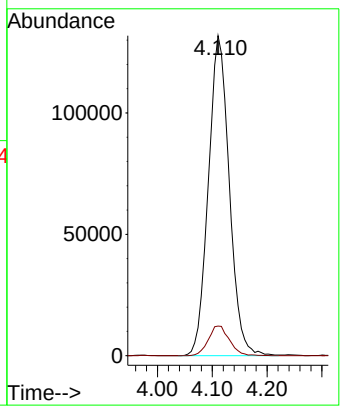


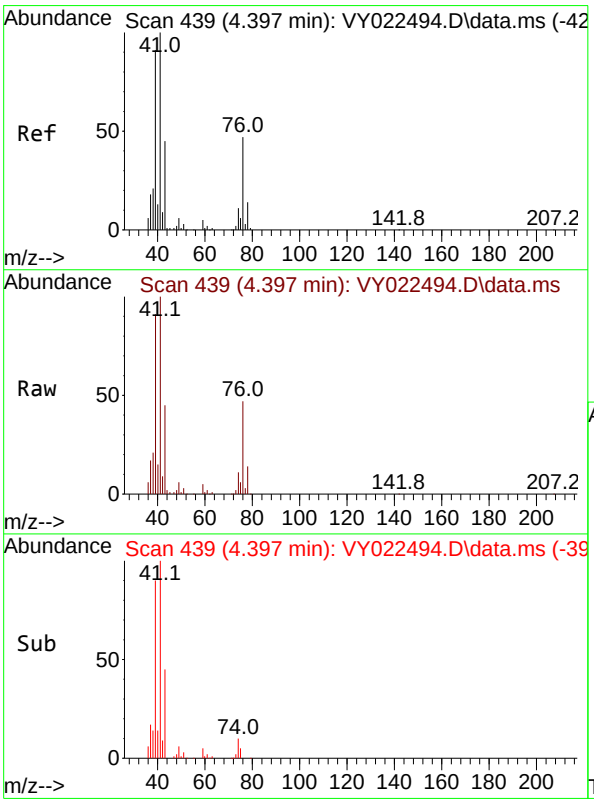
#17
Carbon Disulfide
Concen: 50.769 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 349342

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

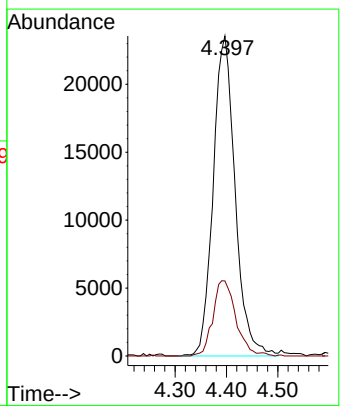


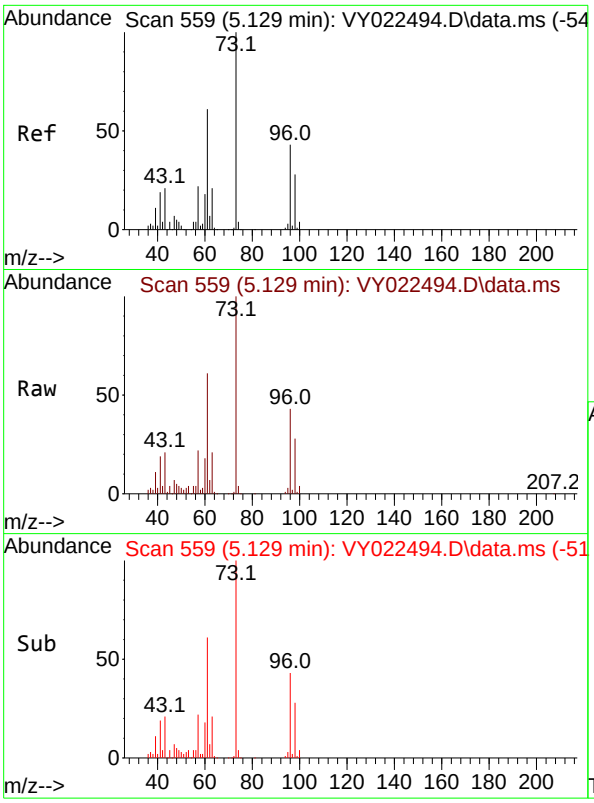


#18
Methyl Acetate
Concen: 51.384 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 69815

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6



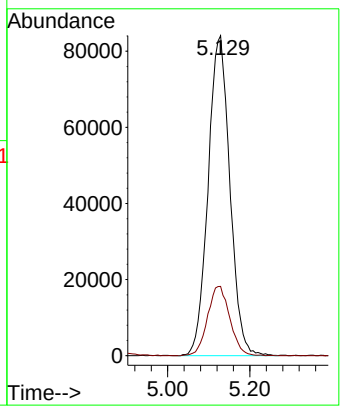


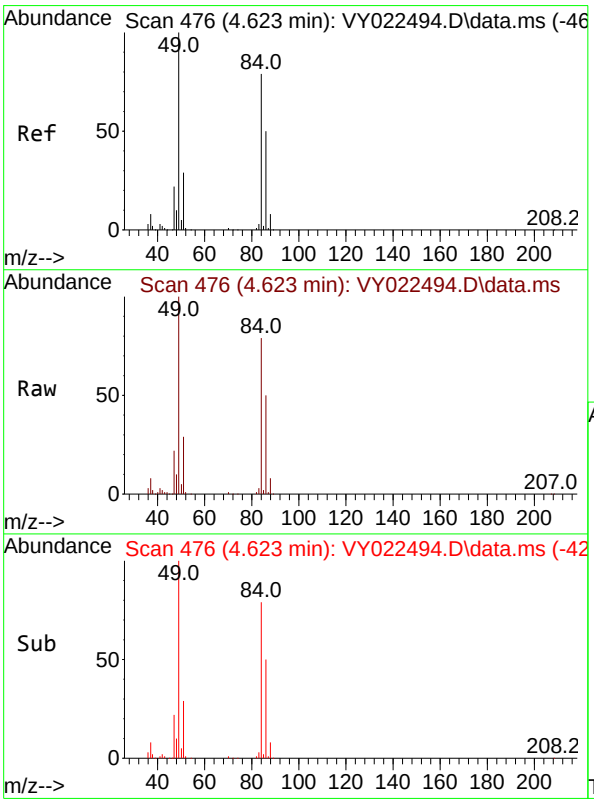
#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 308578

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

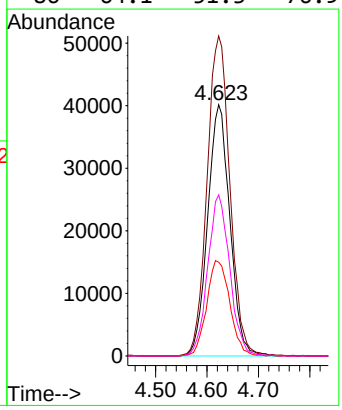


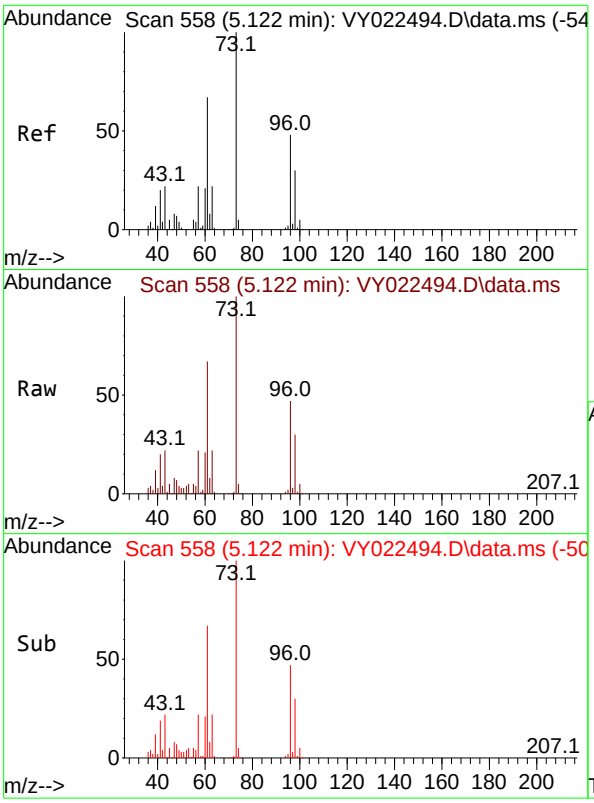


#20
Methylene Chloride
Concen: 47.810 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	37.3	29.8	44.8
86	64.1	51.3	76.9



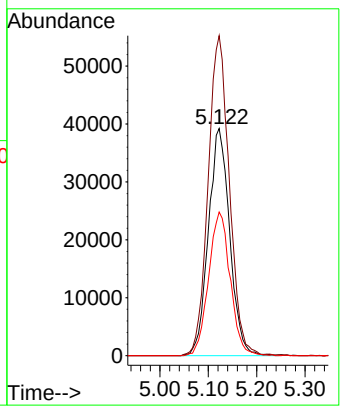


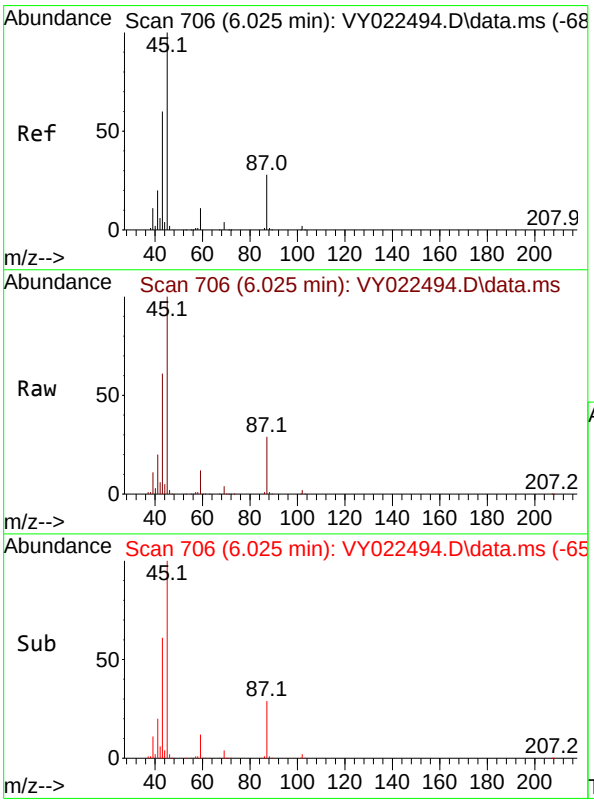
#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 119917

Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.6	169.0
98	63.2	50.6	75.8

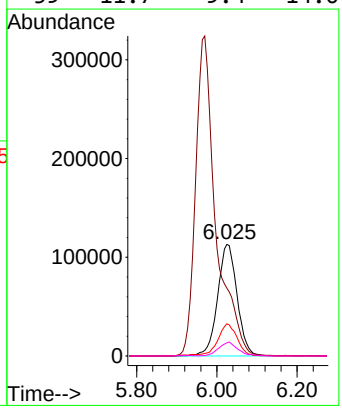


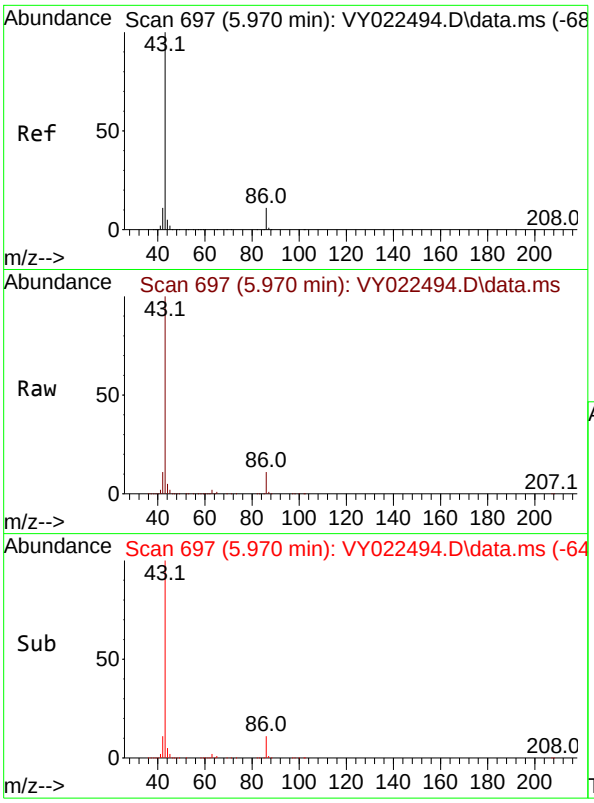


#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.8	23.0	34.6
59	11.7	9.4	14.0



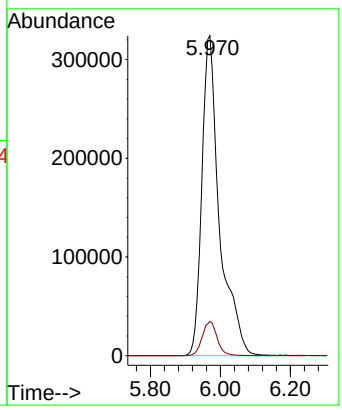


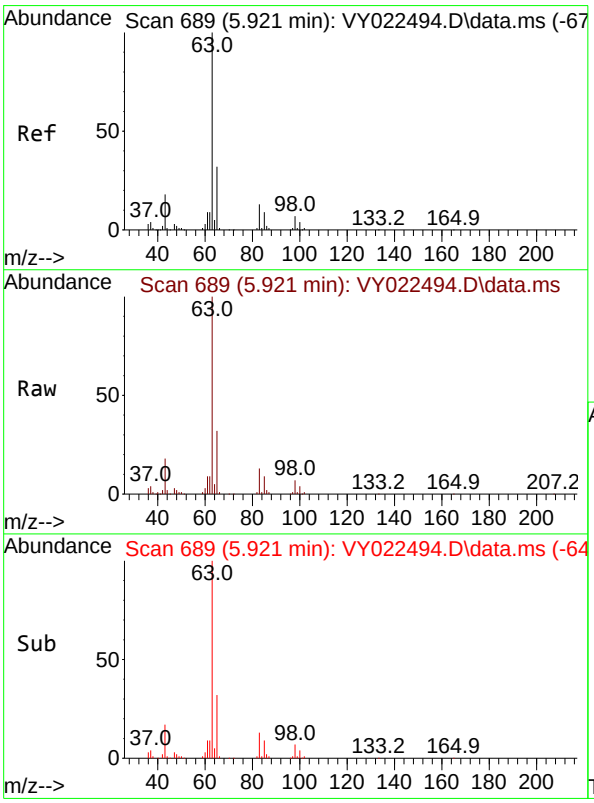
#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1137415

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

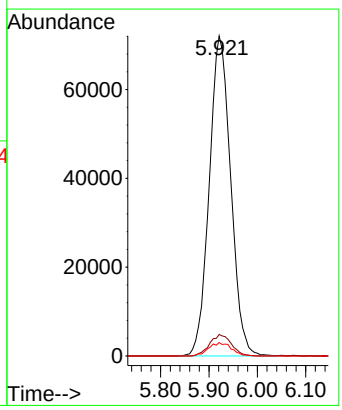


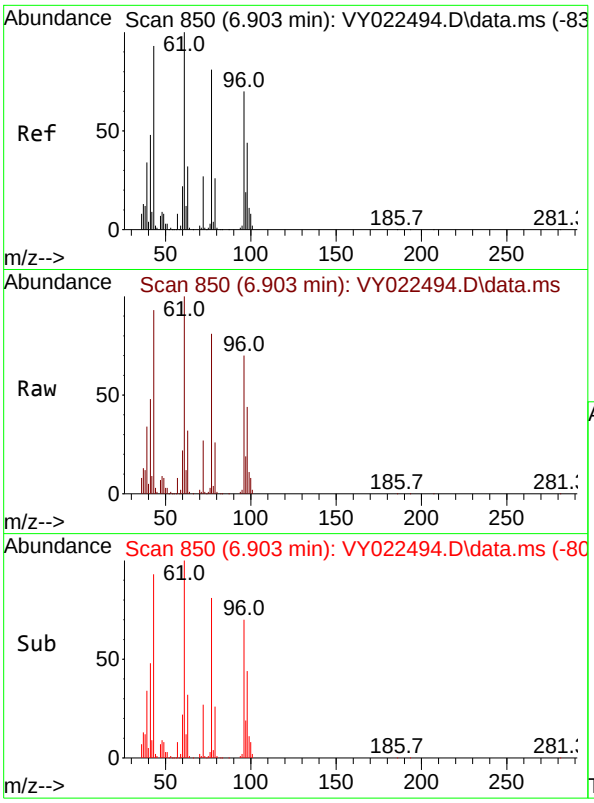


#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3



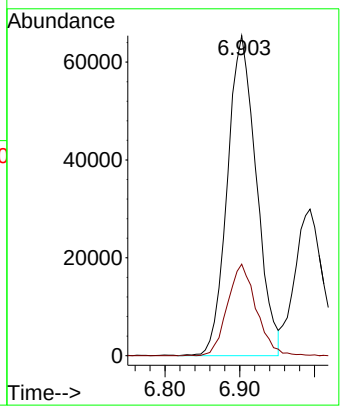


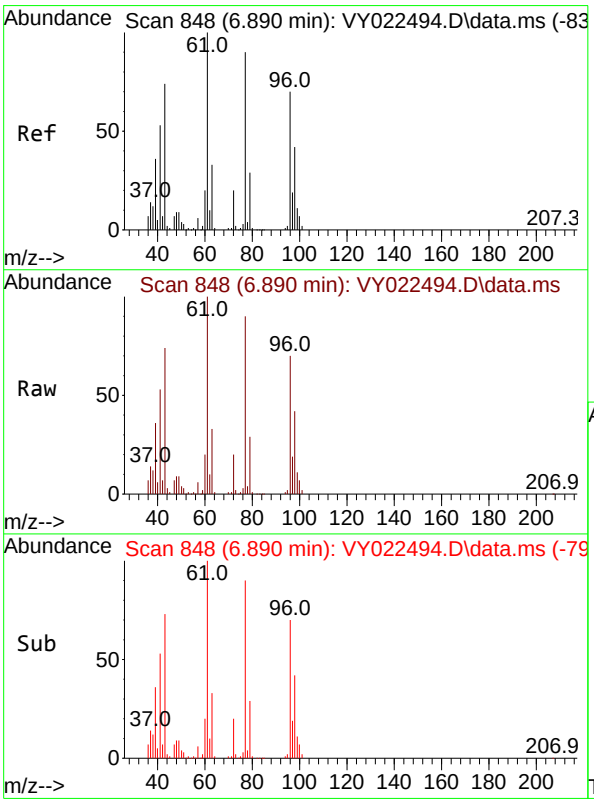
#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 176185

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

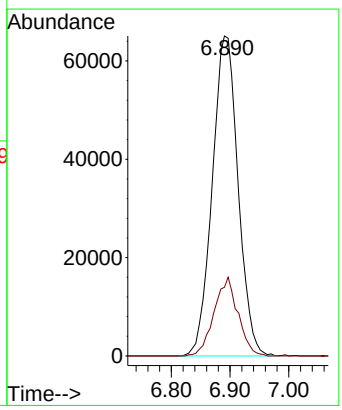


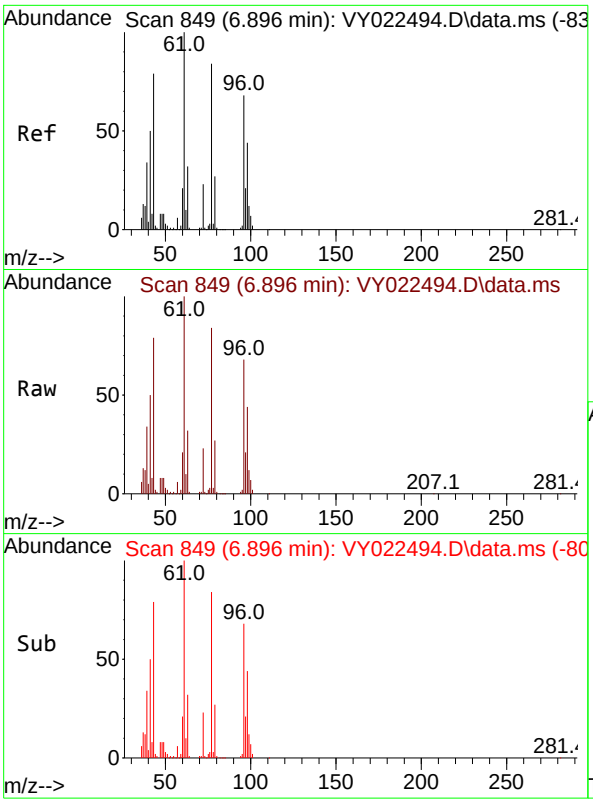


#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.4	34.2



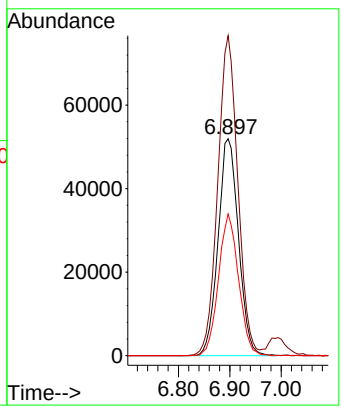


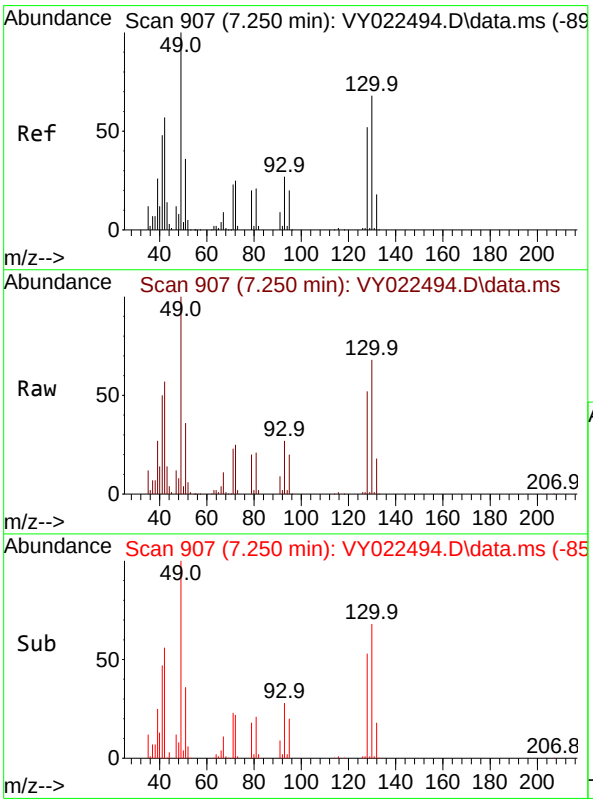
#27
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 143210

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.0
98	64.2	0.0	128.4

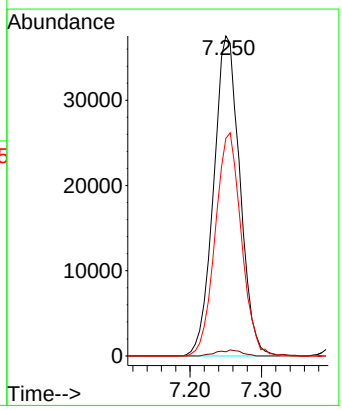


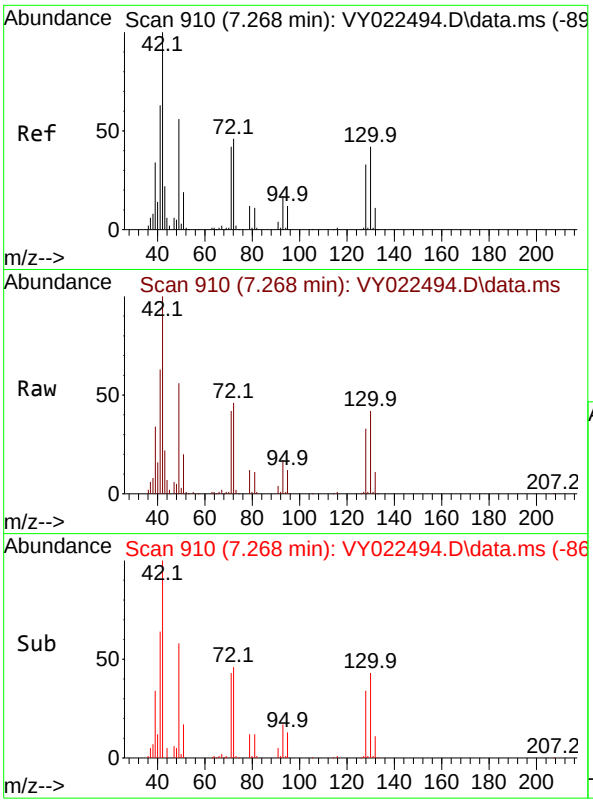


#28
Bromochloromethane
Concen: 50.015 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 49 Resp: 95397

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5



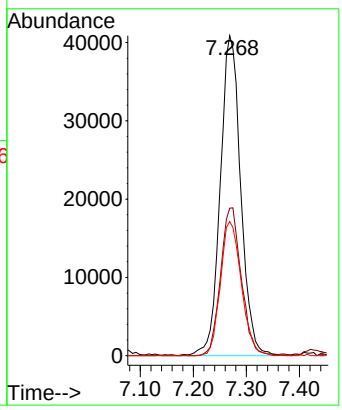


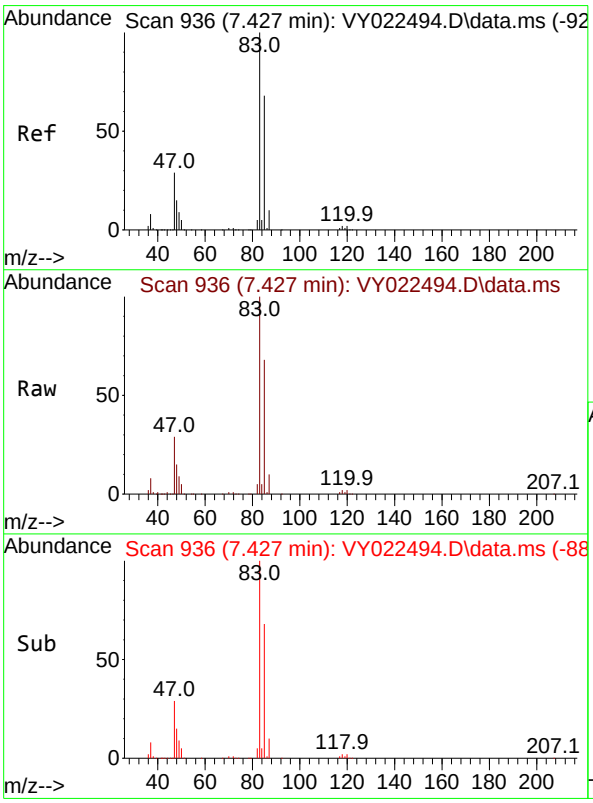
#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 109698

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.2
71	42.7	34.2	51.2

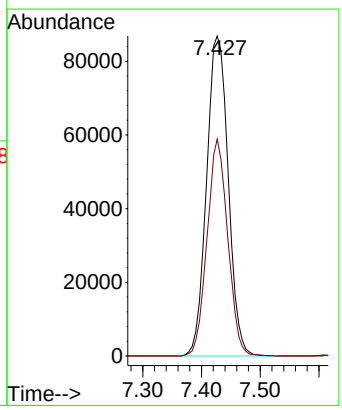


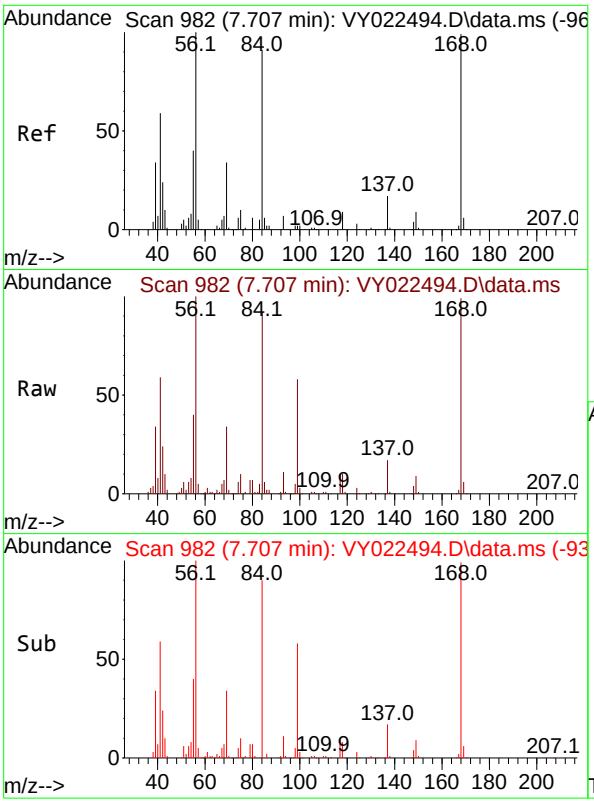


#30
Chloroform
Concen: 50.944 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 222226

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4



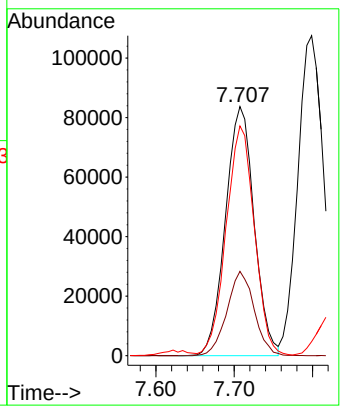


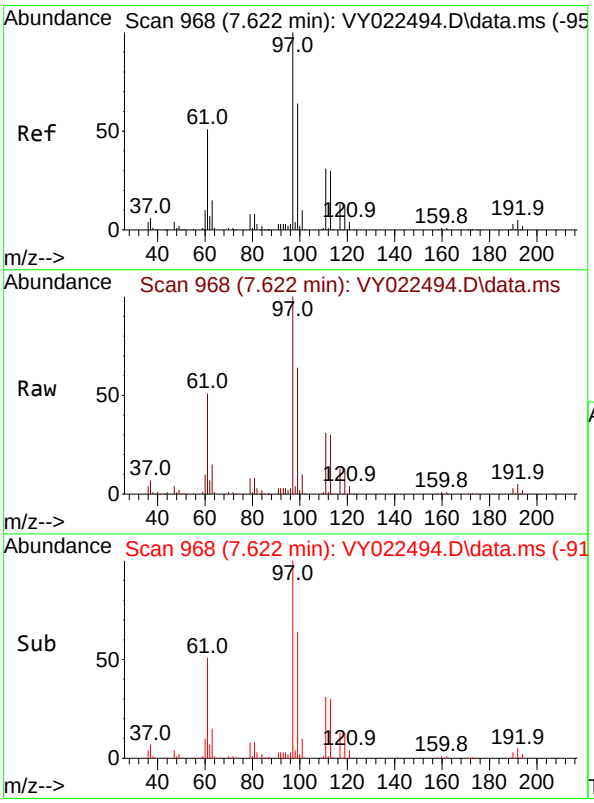
#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 213031

Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	90.8	72.6	109.0

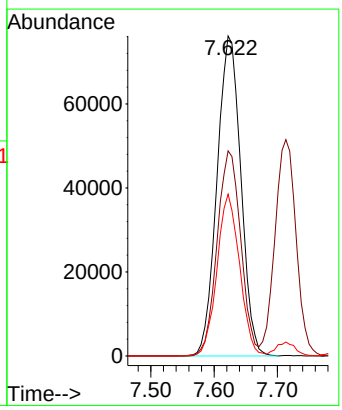


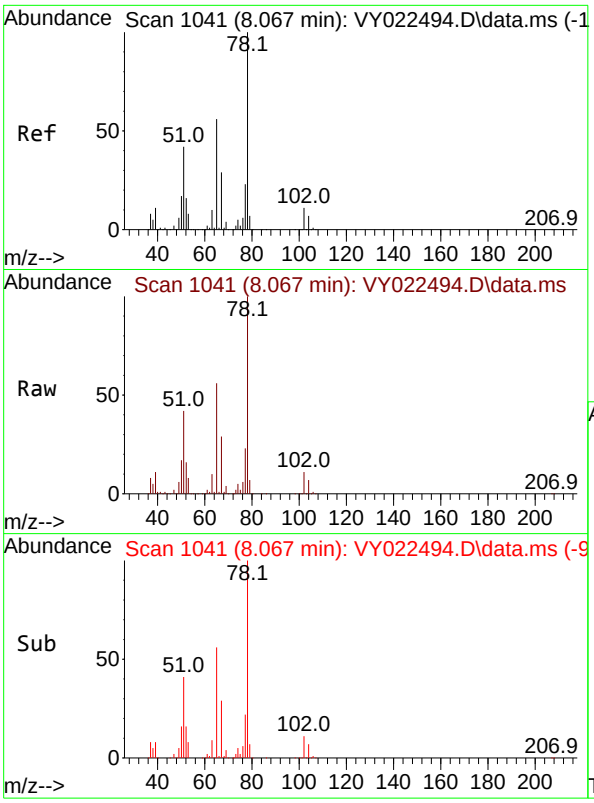


#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	48.1	38.5	57.7



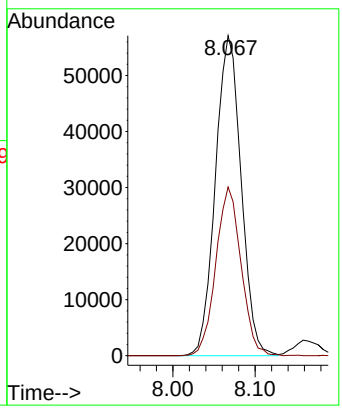


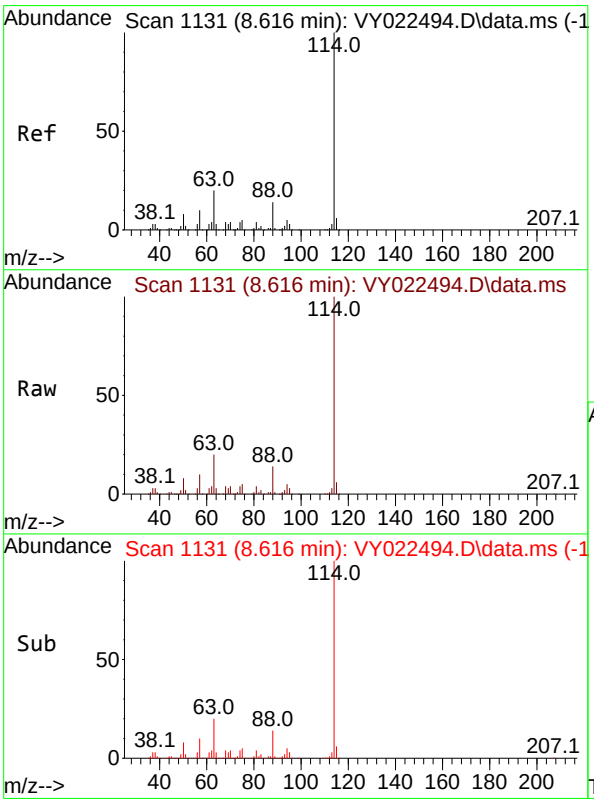
#33
1,2-Dichloroethane-d4
Concen: 54.320 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 124098

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4

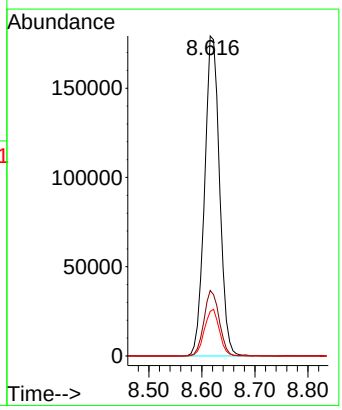


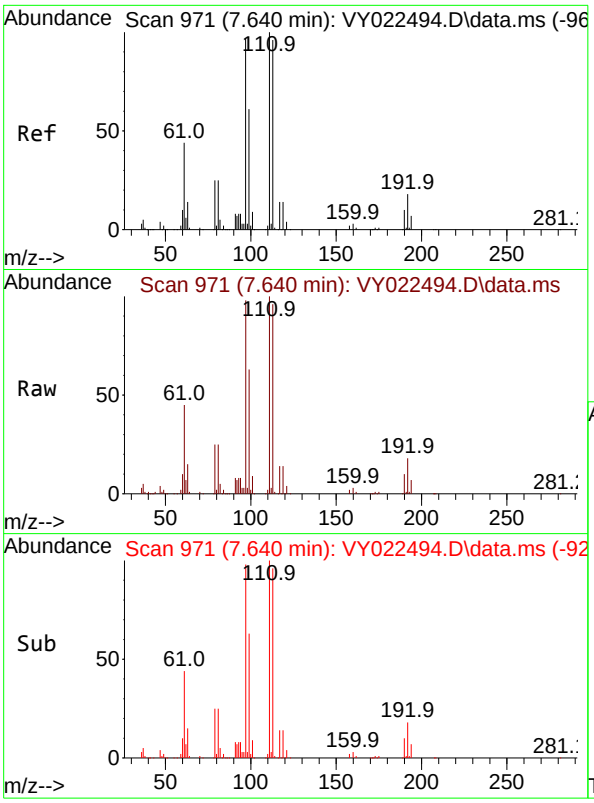


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:114 Resp: 350947

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8



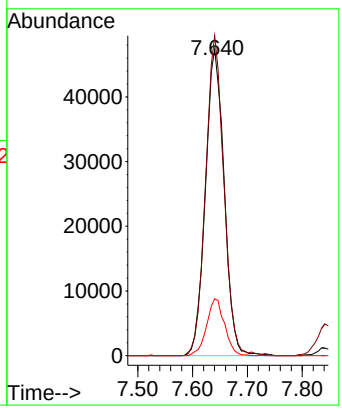


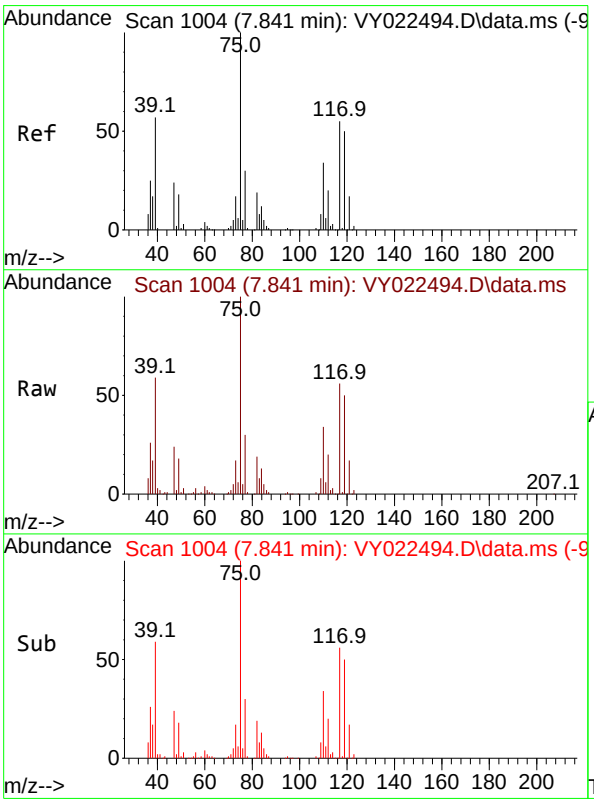
#35
Dibromofluoromethane
Concen: 54.514 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 112624

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.7	14.2	21.2

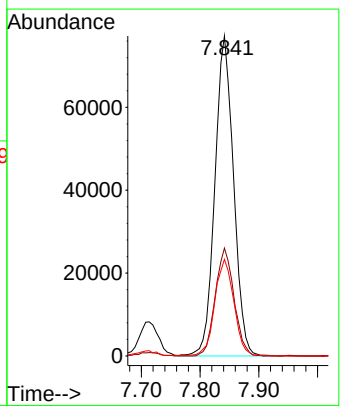


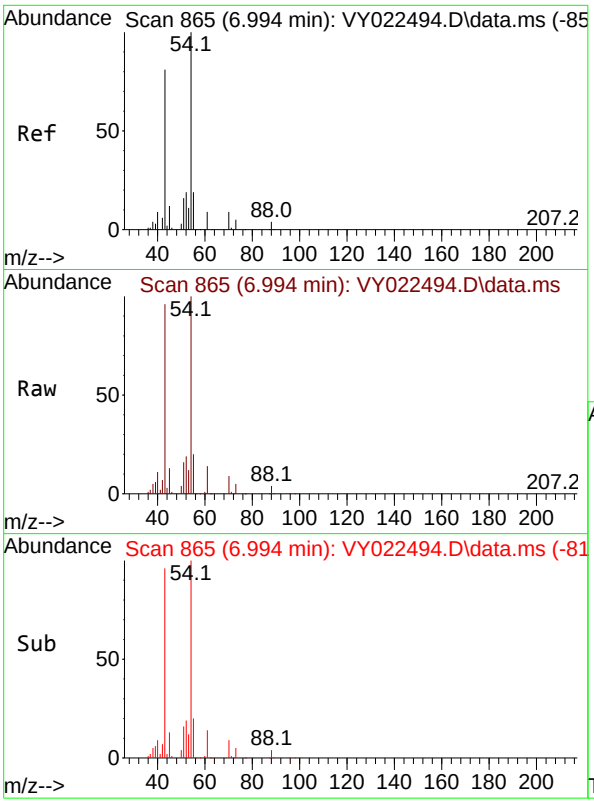


#36
1,1-Dichloropropene
Concen: 51.116 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 170708

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.8	37.2



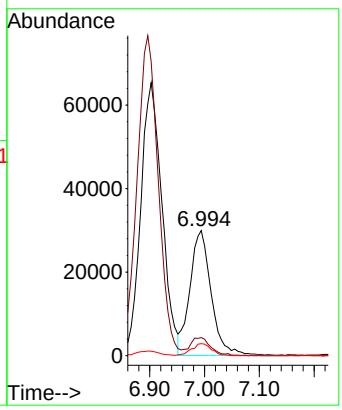


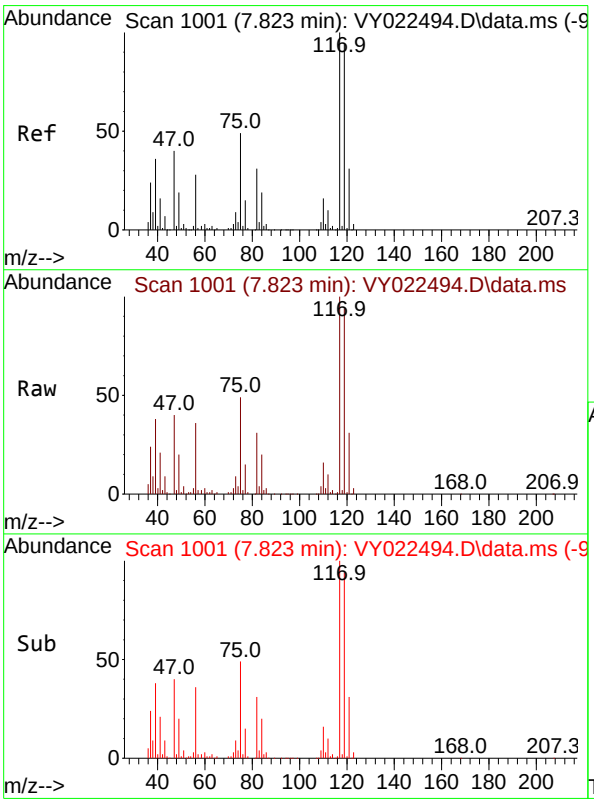
#37
Ethyl Acetate
Concen: 54.721 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 80426

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8

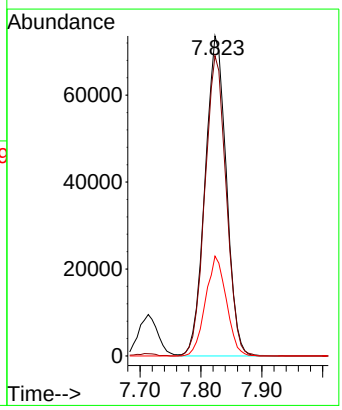


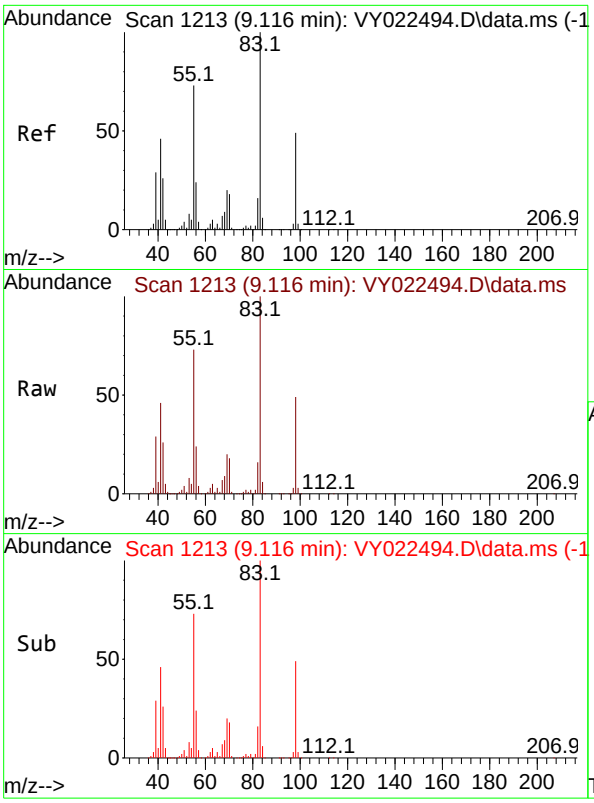


#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 178292

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4



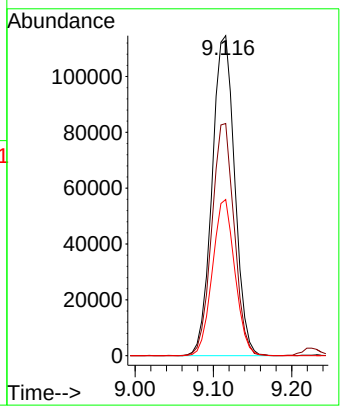


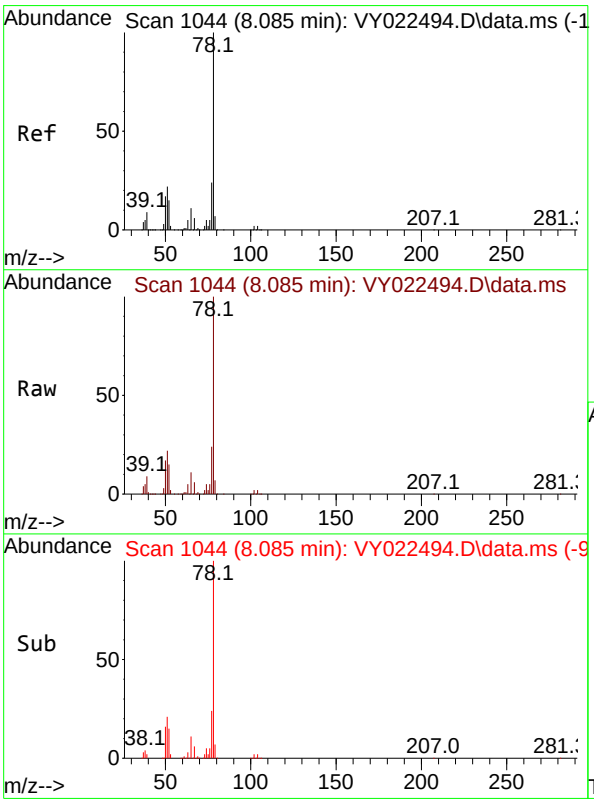
#39
Methylcyclohexane
Concen: 51.100 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 230536

Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.1	87.1
98	48.8	39.0	58.6

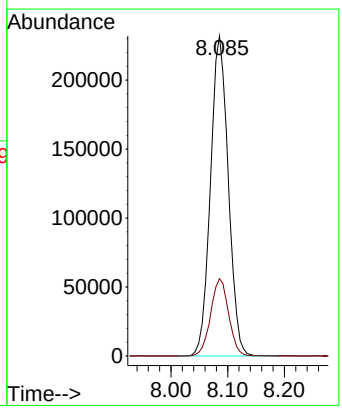


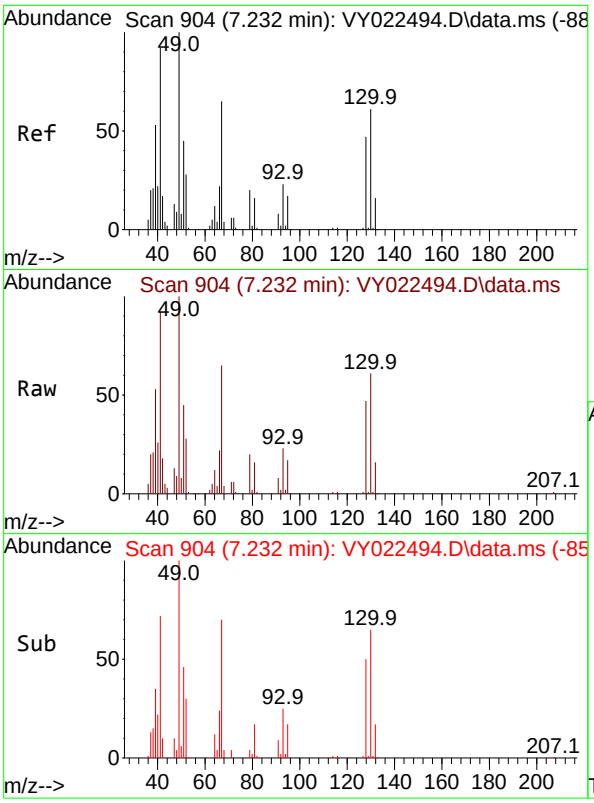


#40
Benzene
Concen: 51.376 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 78 Resp: 505749

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



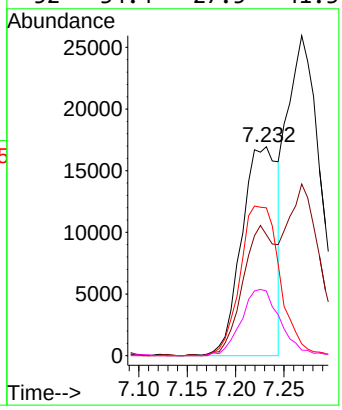


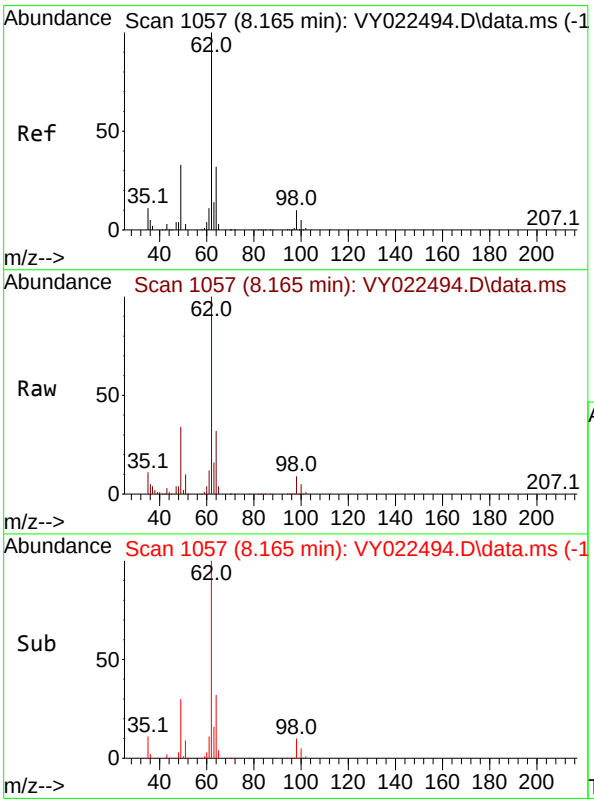
#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 43865

Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.6	69.8
67	79.1	63.3	94.9
52	34.4	27.5	41.3

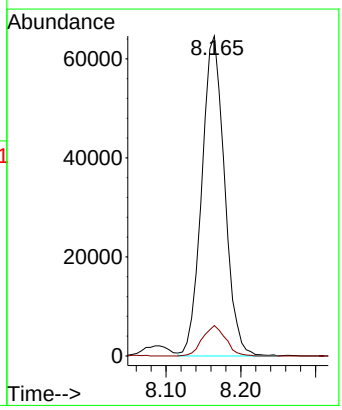


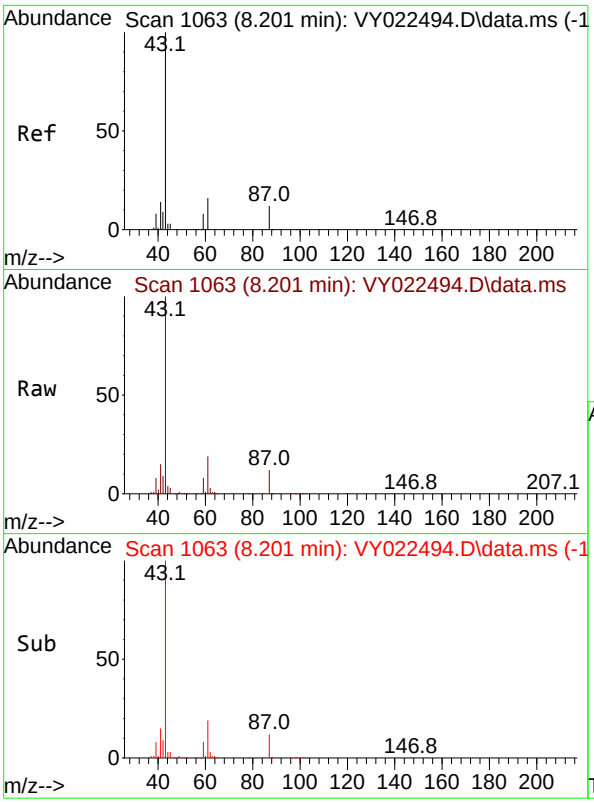


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2



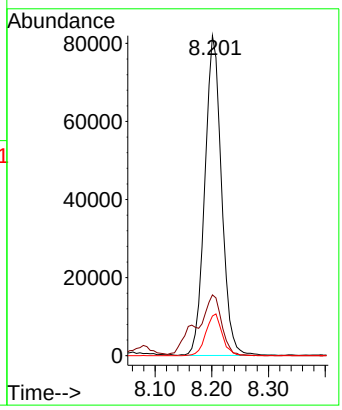


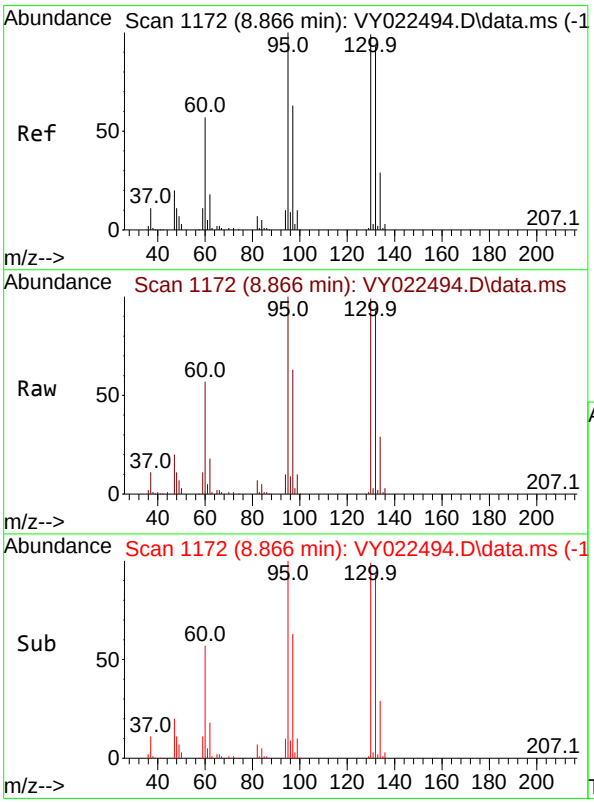
#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 167771

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4

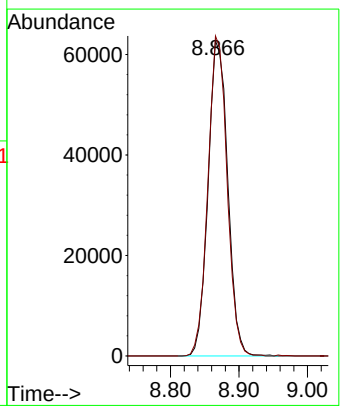


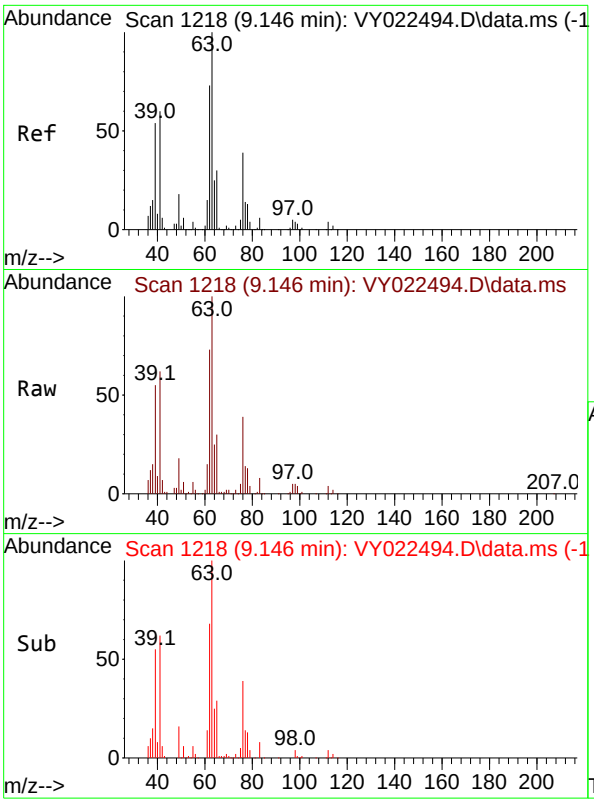


#44
Trichloroethene
Concen: 51.843 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:130 Resp: 124670

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0



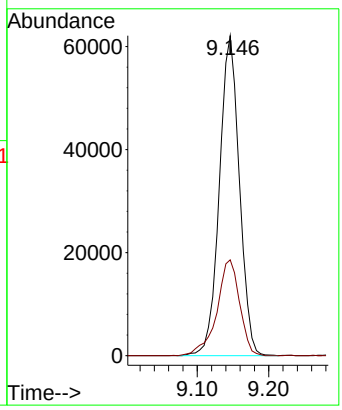


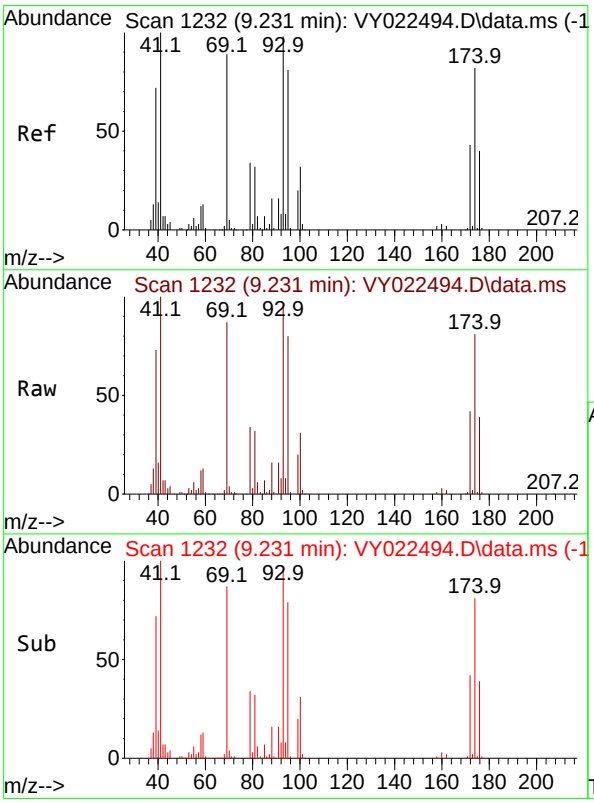
#45
1,2-Dichloropropane
Concen: 51.415 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 120660

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

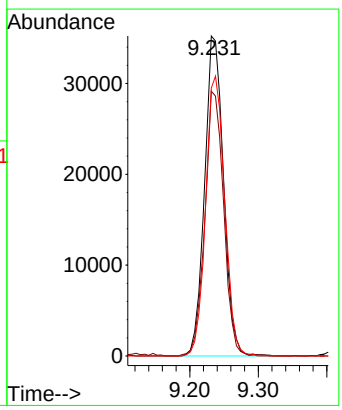


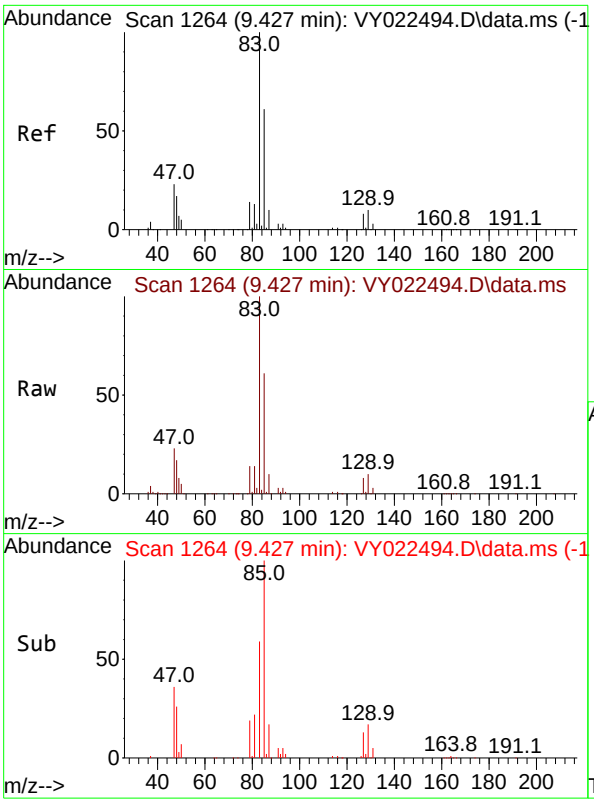


#46
Dibromomethane
Concen: 51.485 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 93 Resp: 67690

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	88.0	70.4	105.6



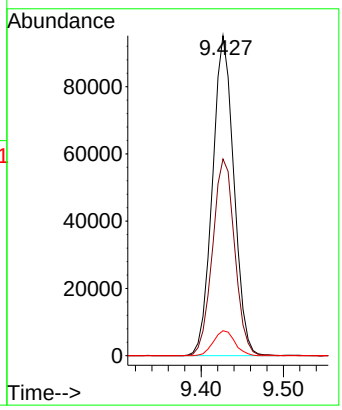


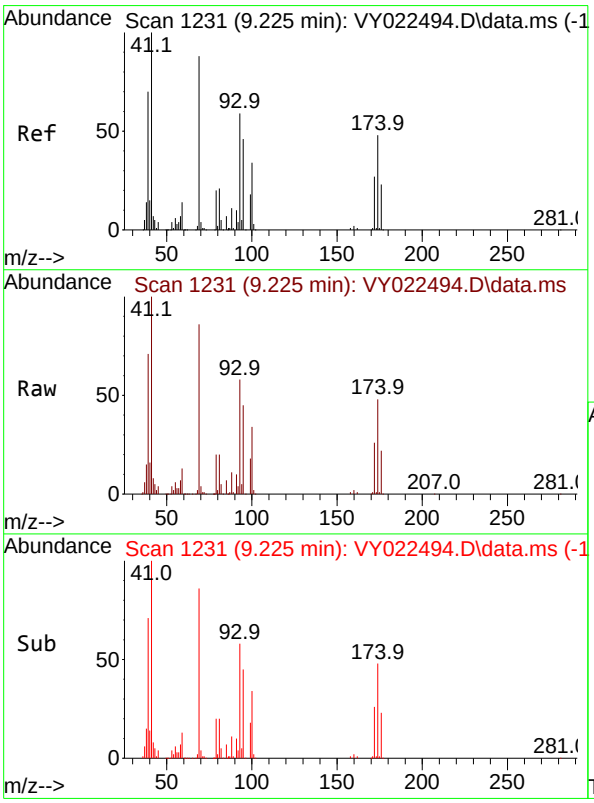
#47
Bromodichloromethane
Concen: 51.664 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 172341

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4

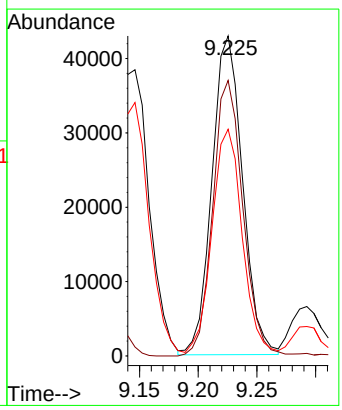


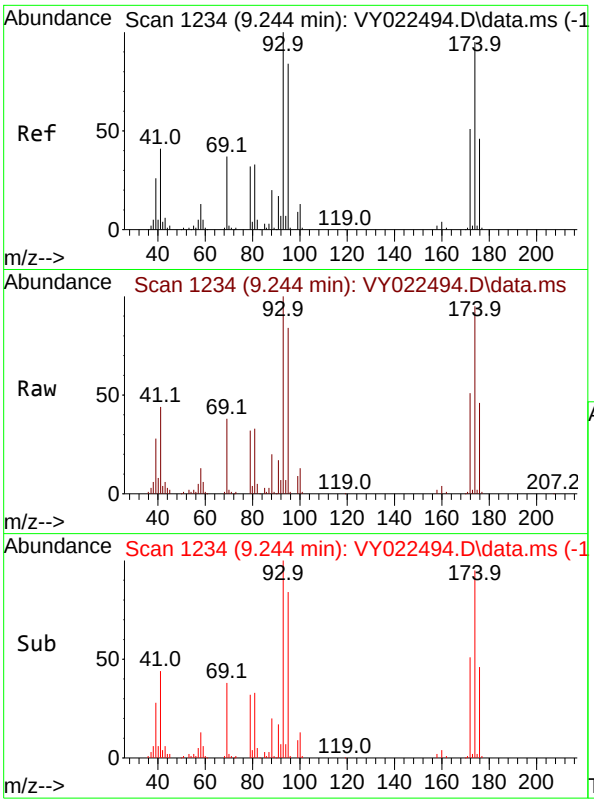


#48
Methyl methacrylate
Concen: 52.963 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 77885

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4



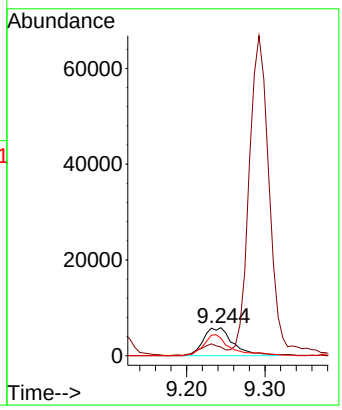


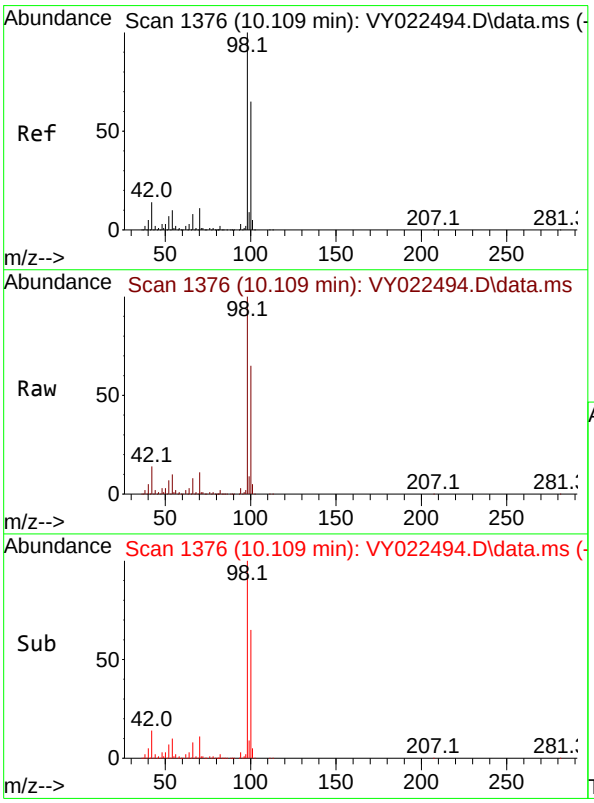
#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 15334

Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3

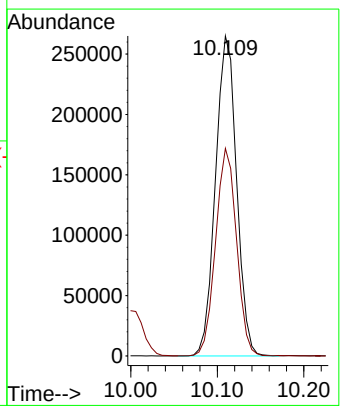


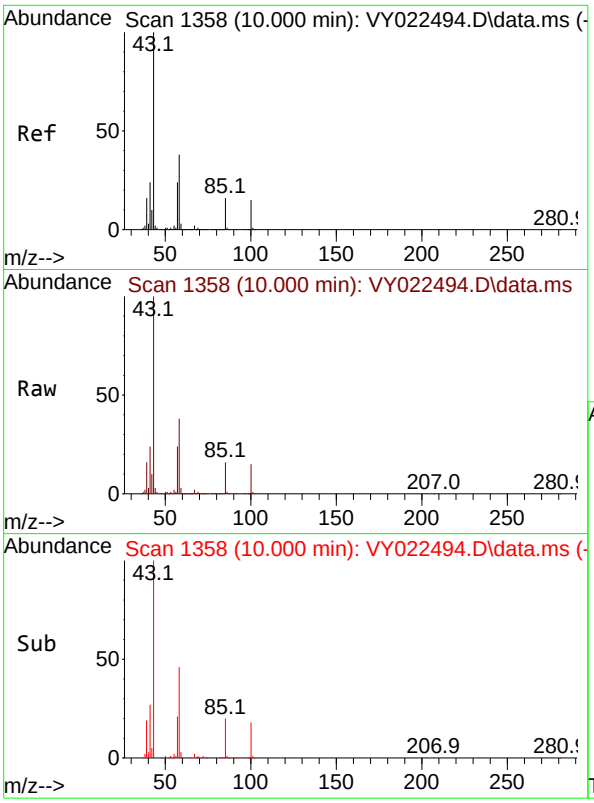


#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 98 Resp: 448690

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0



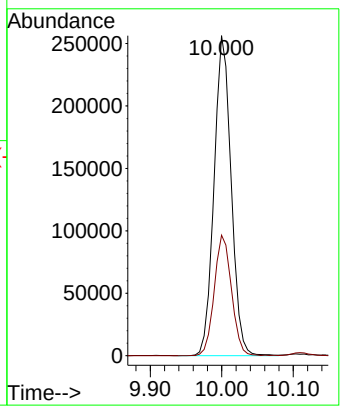


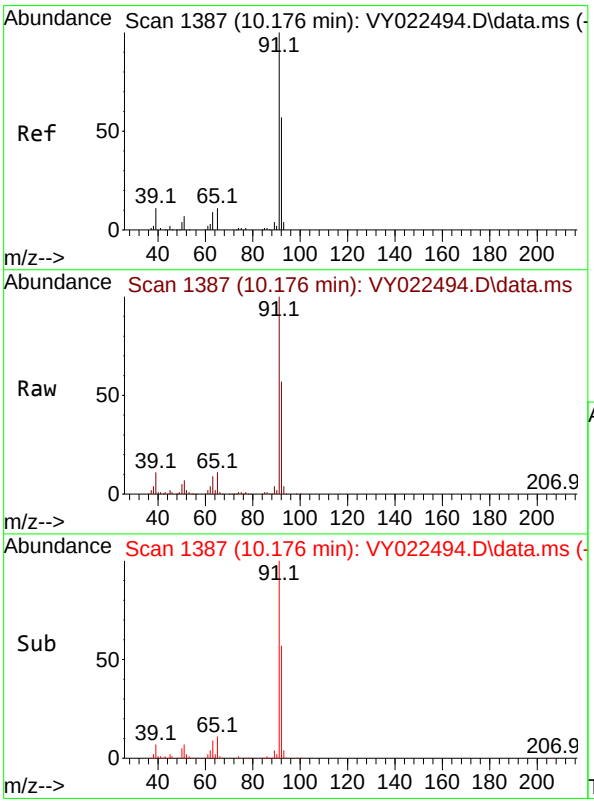
#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 425868

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6

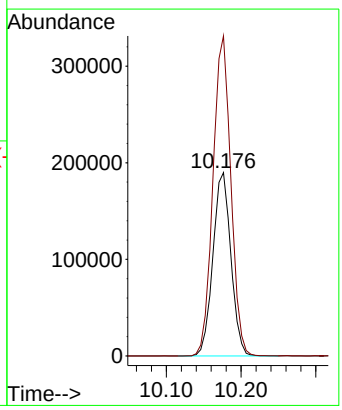


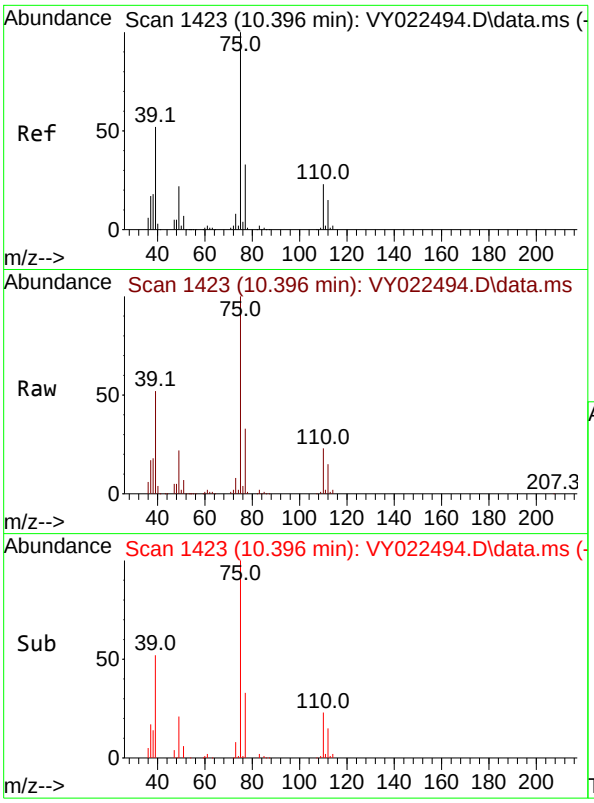


#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 92 Resp: 316972

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.0	208.4



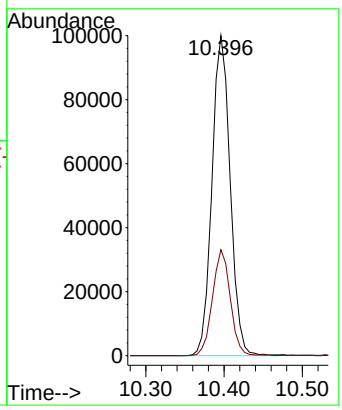


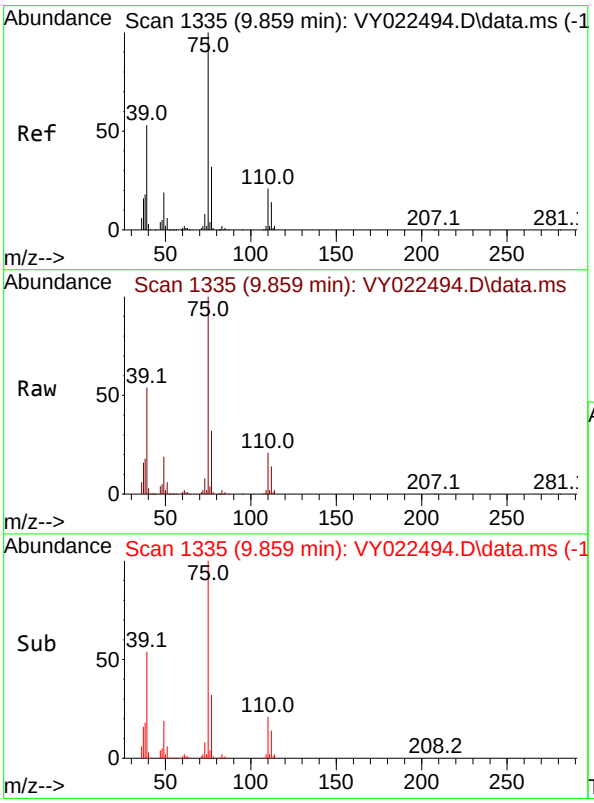
#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 161859

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

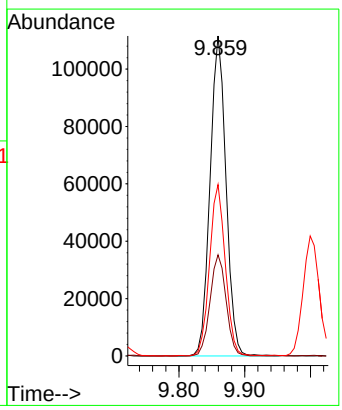


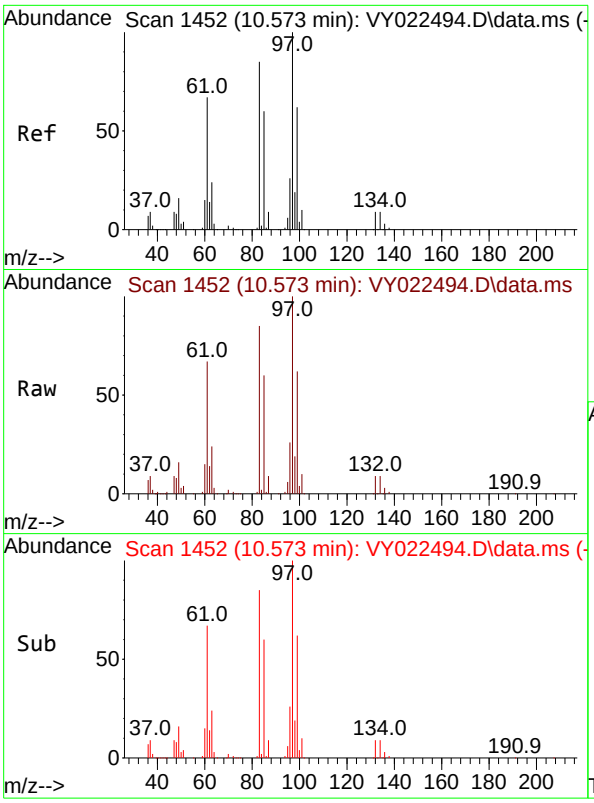


#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 188559

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	53.4	42.7	64.1



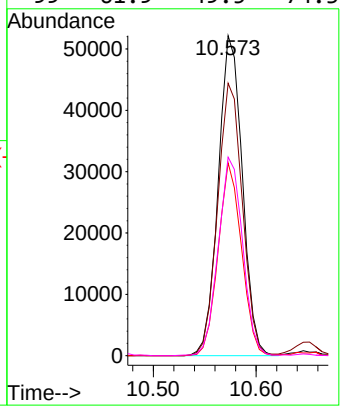


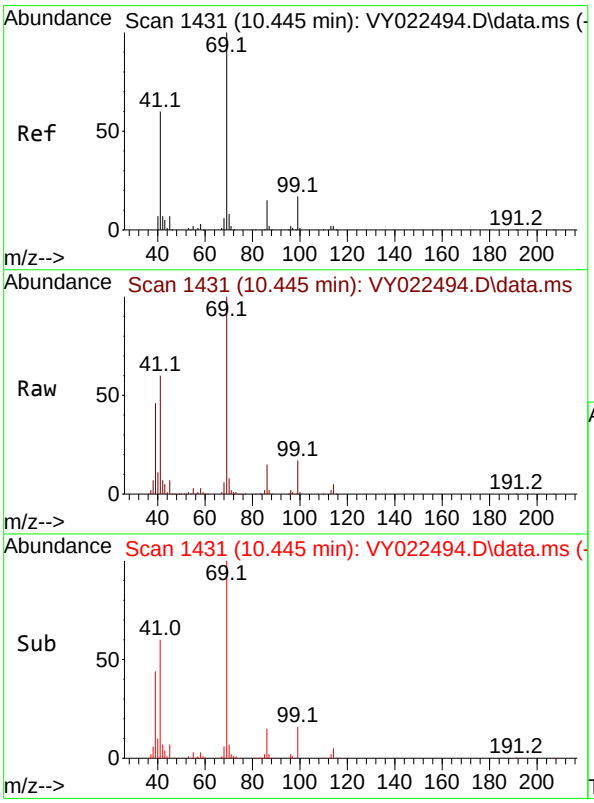
#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 84788

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	60.2	48.2	72.2
99	61.9	49.5	74.3

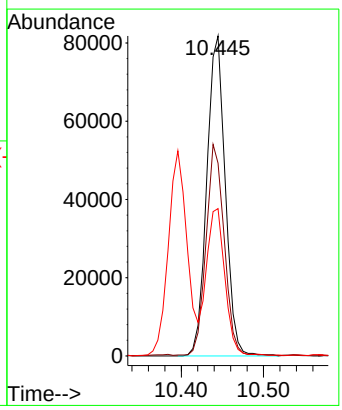


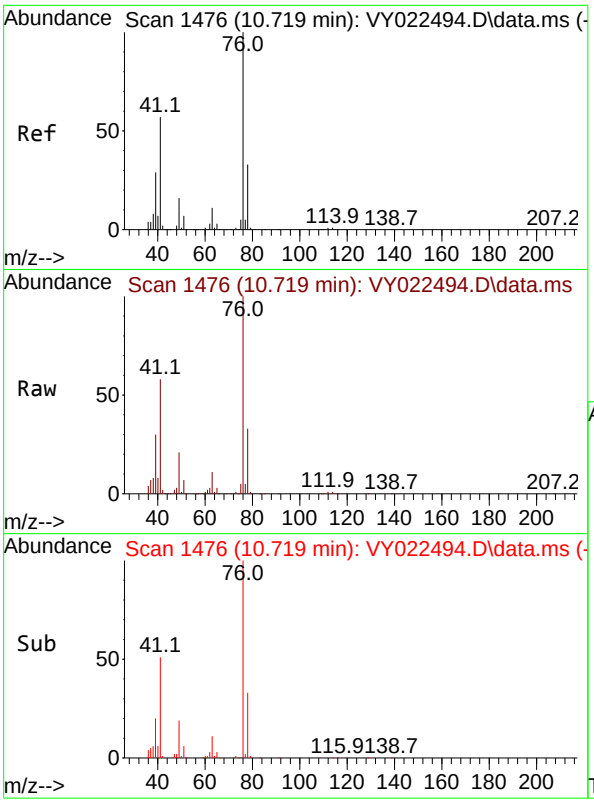


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 69 Resp: 127271

Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	45.9	36.7	55.1



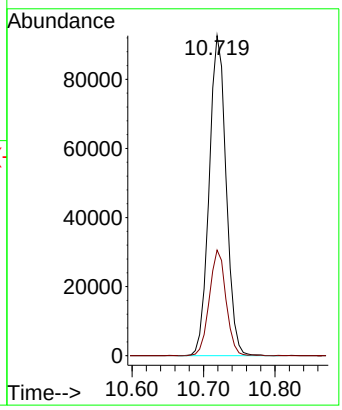


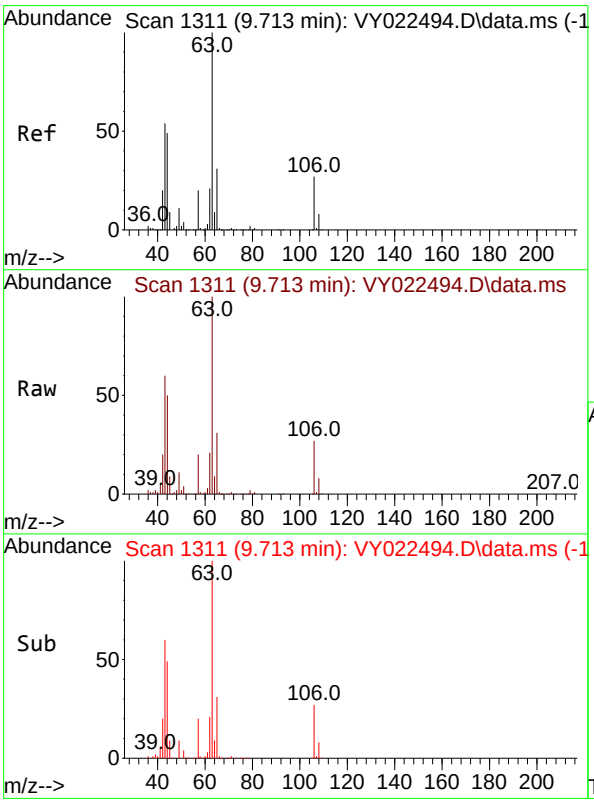
#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 152809

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

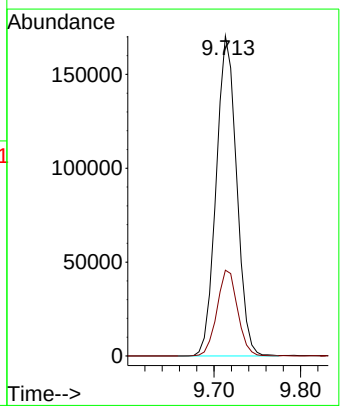


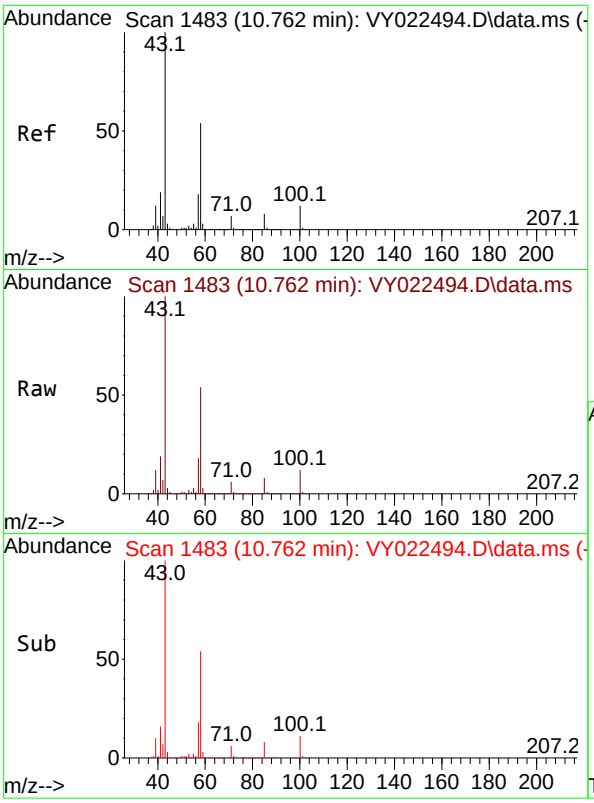


#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4



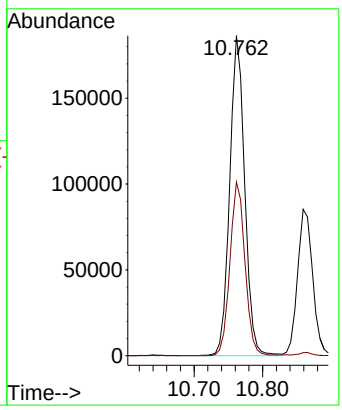


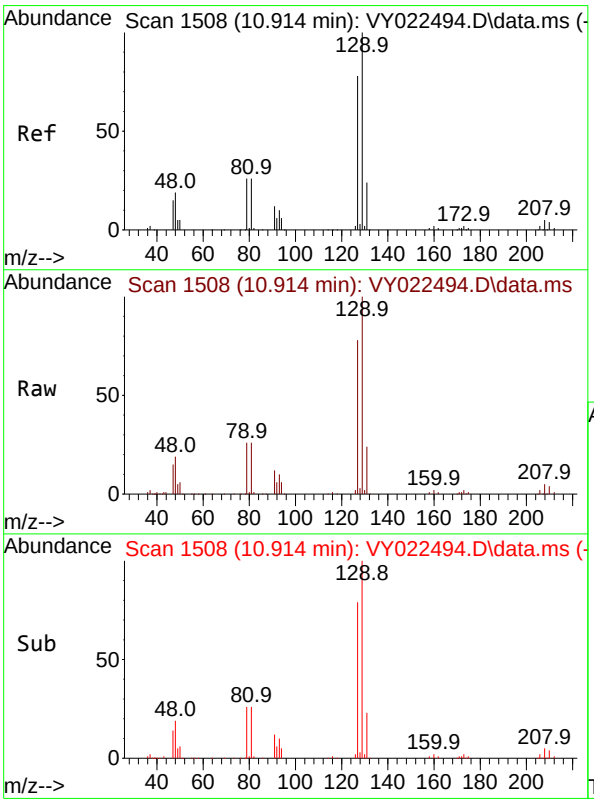
#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 283601

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

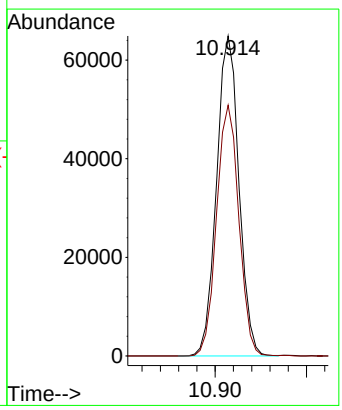


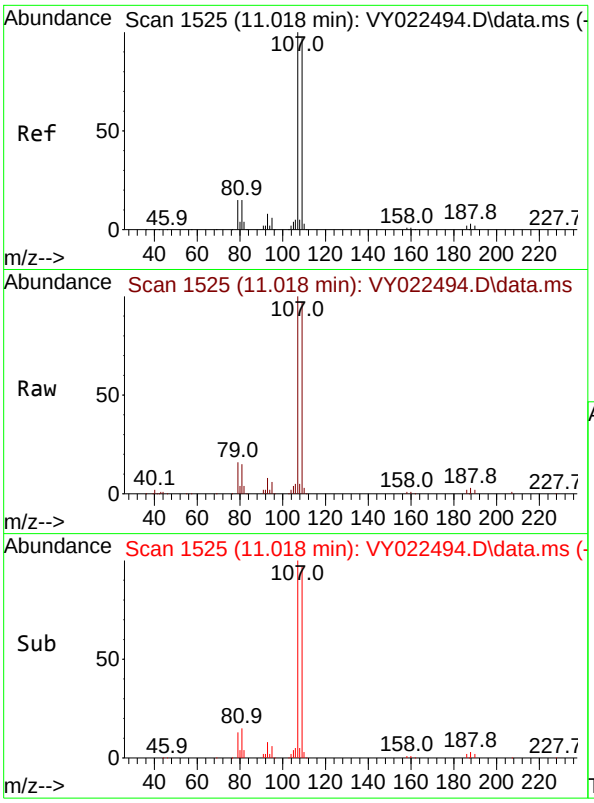


#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:129 Resp: 110314

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



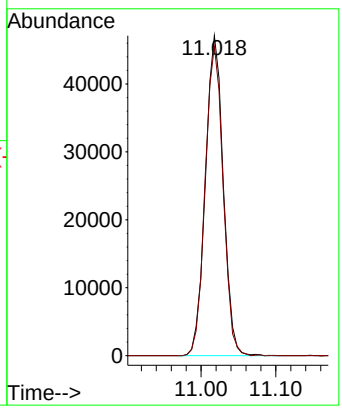


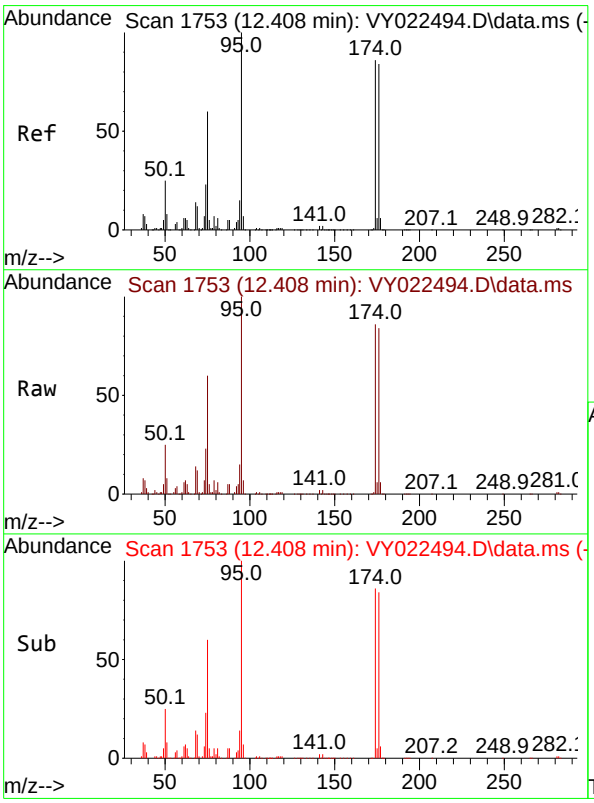
#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 78151

Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.7	116.5

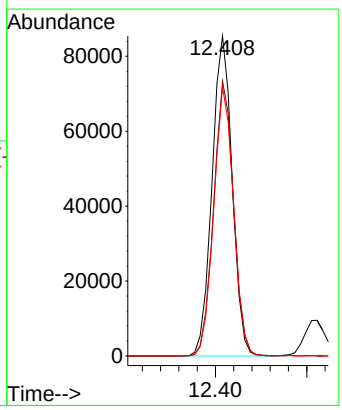


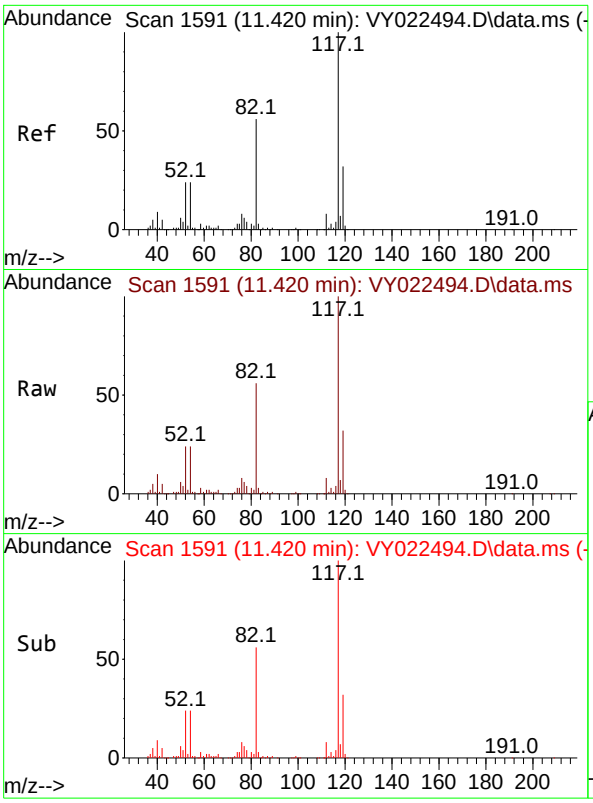


#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 95 Resp: 130393

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.1	0.0	166.2



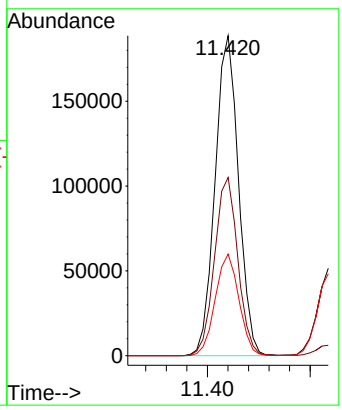


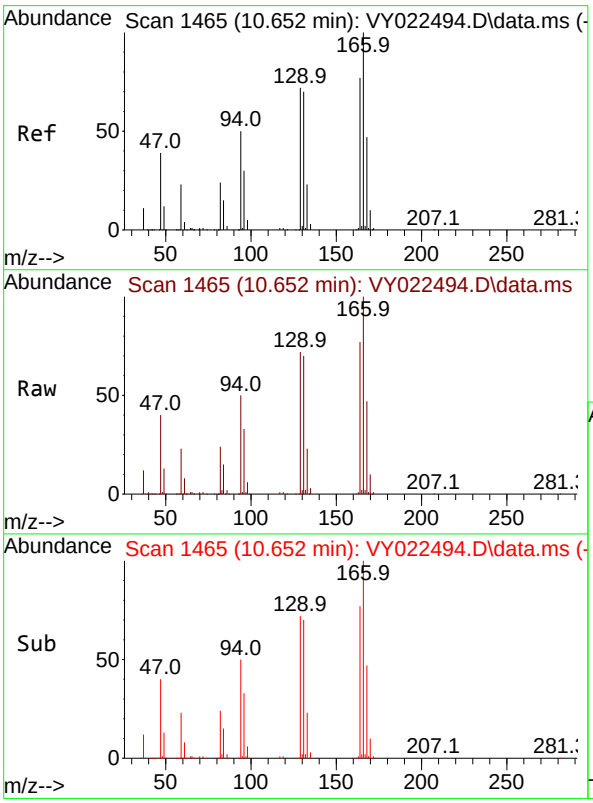
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 298187

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.7	25.4	38.0

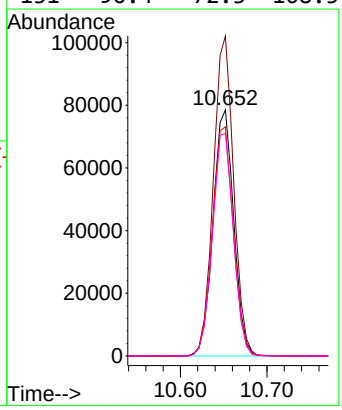


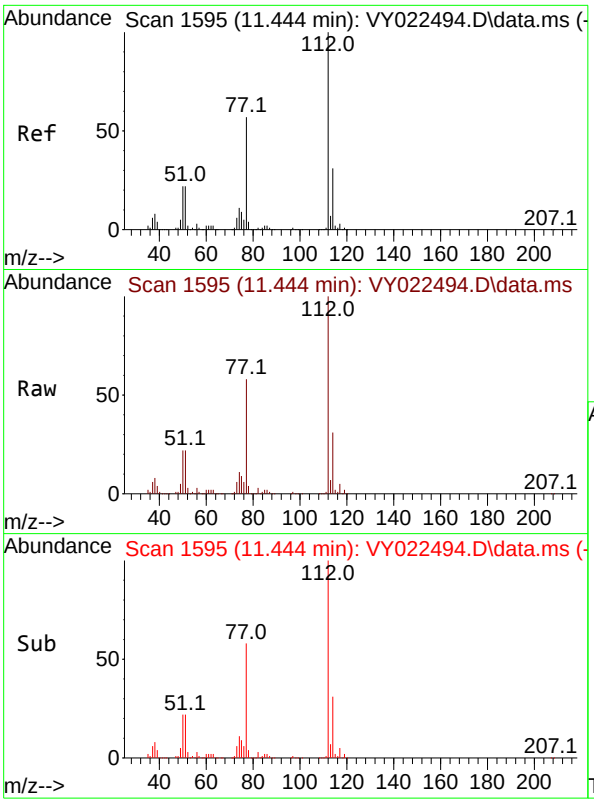


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:164 Resp: 130171

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.1	74.5	111.7
131	90.4	72.3	108.5



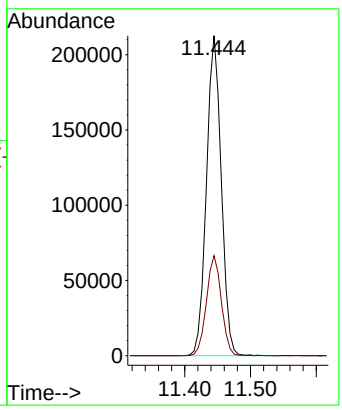


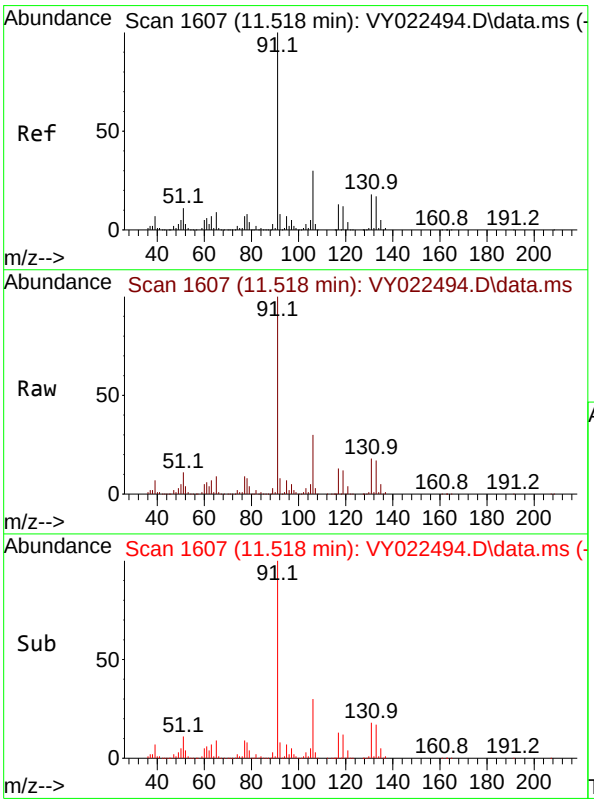
#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 332645

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

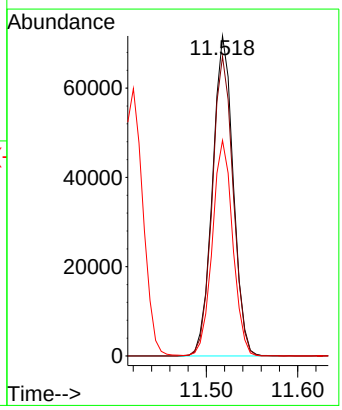


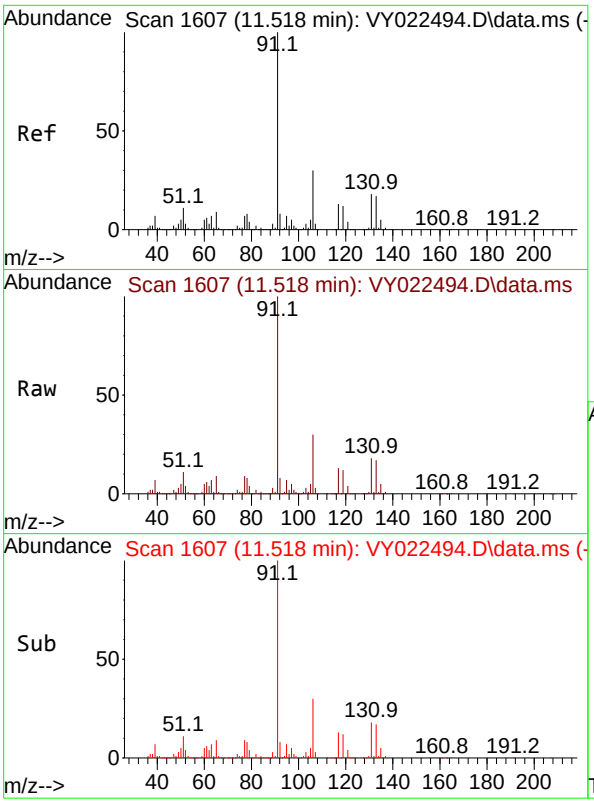


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	66.2	33.1	99.3



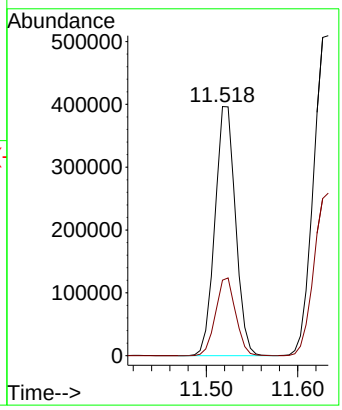


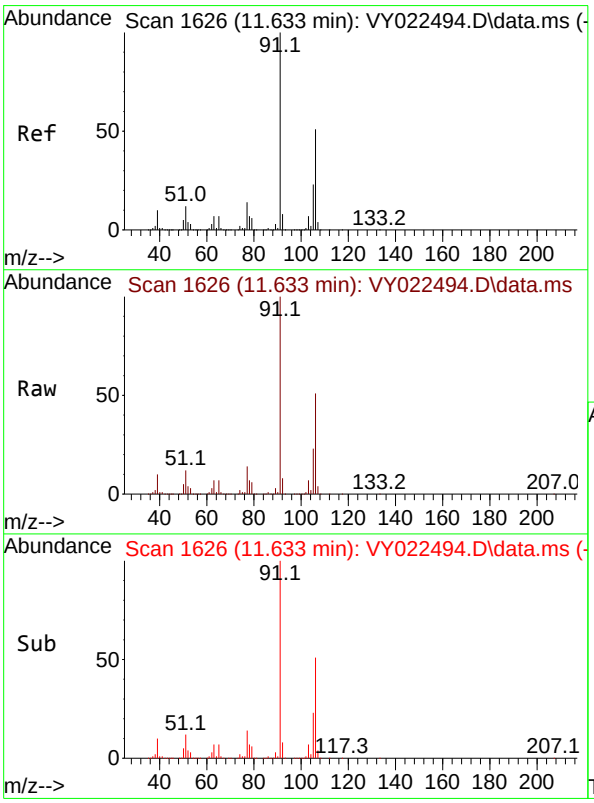
#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 621031

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

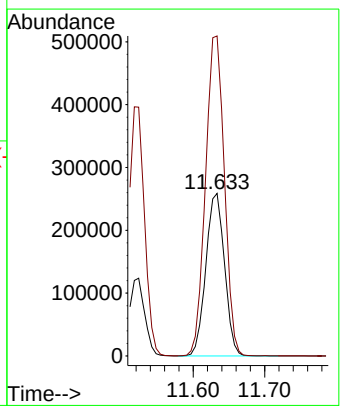


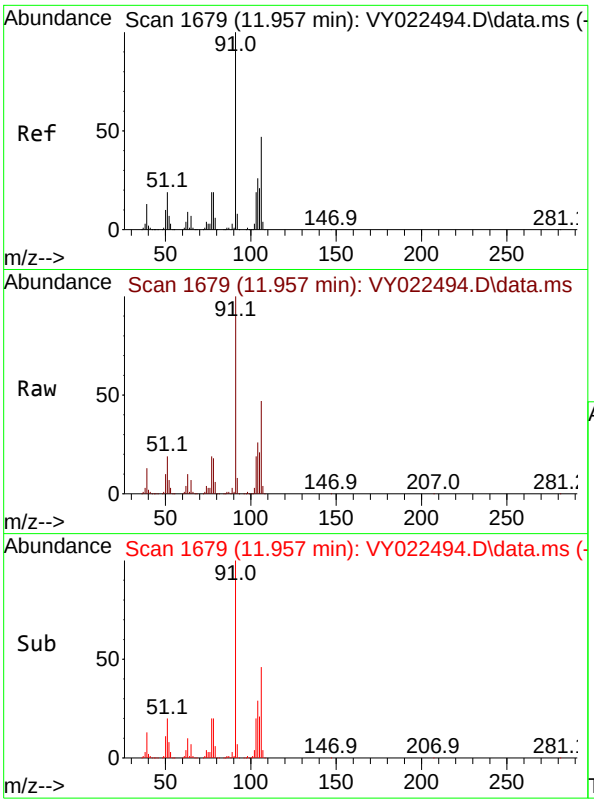


#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 468441

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0



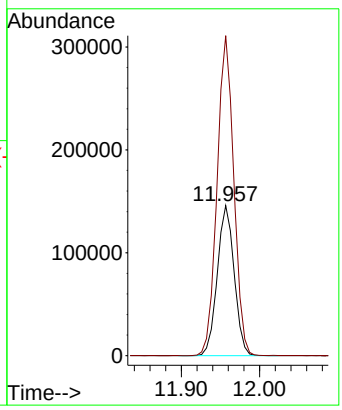


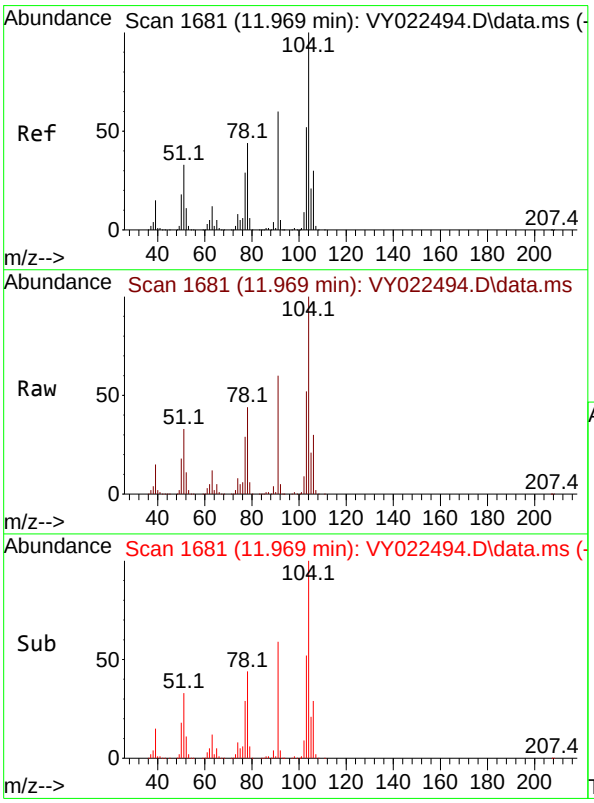
#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 218760

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

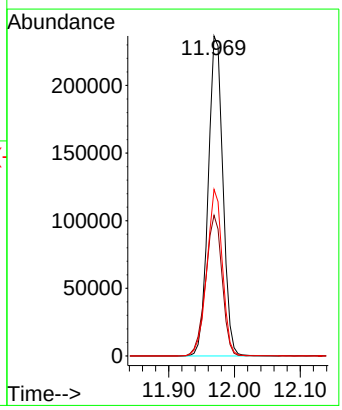


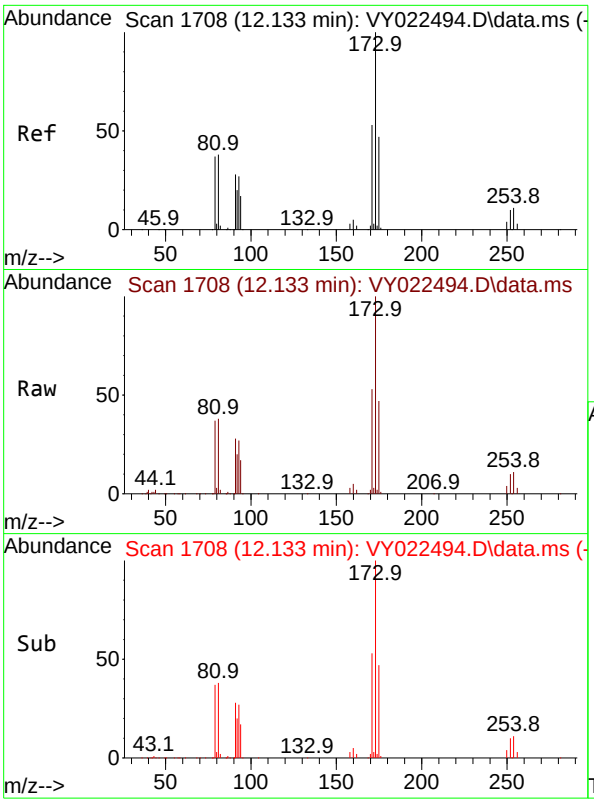


#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:104 Resp: 367553

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.5	59.3
103	55.1	44.1	66.1



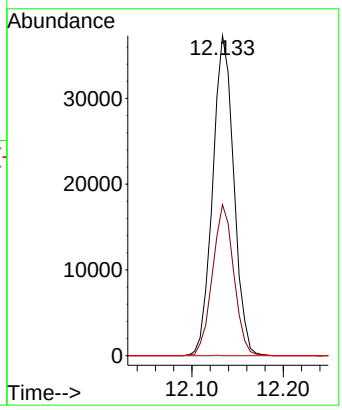


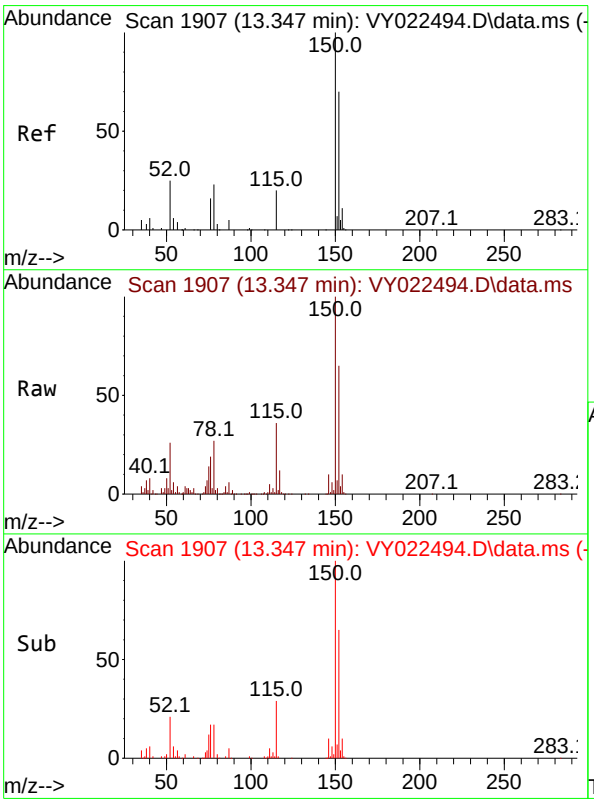
#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 59888

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.5
254	0.0	0.0	0.0#

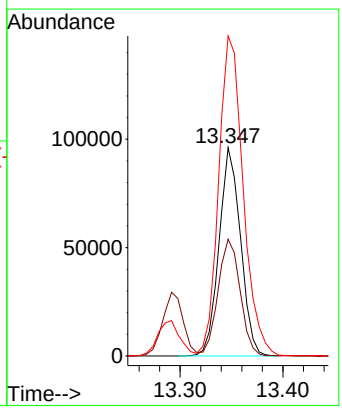


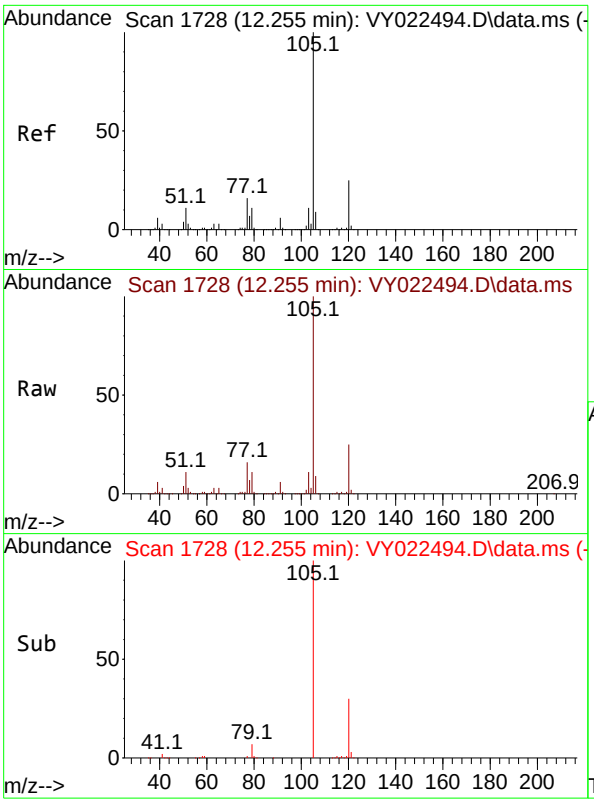


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:152 Resp: 139554

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	174.8	0.0	349.6



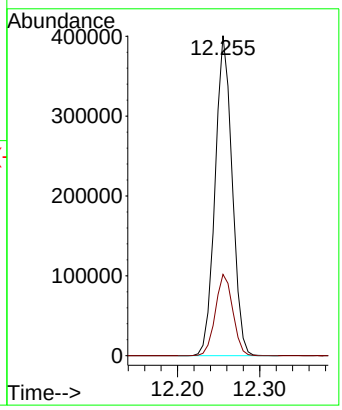


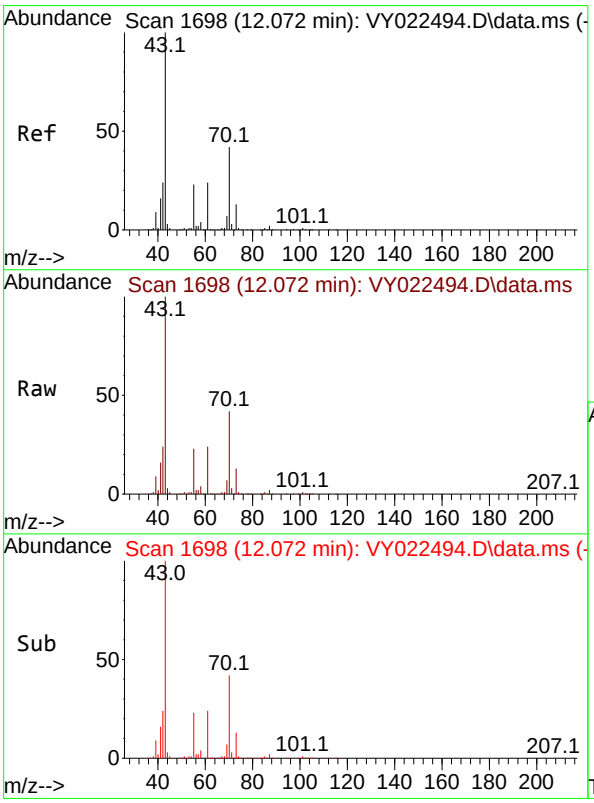
#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 577133

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

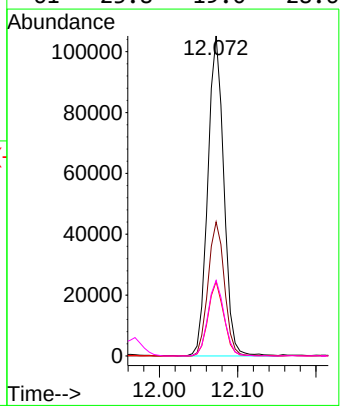


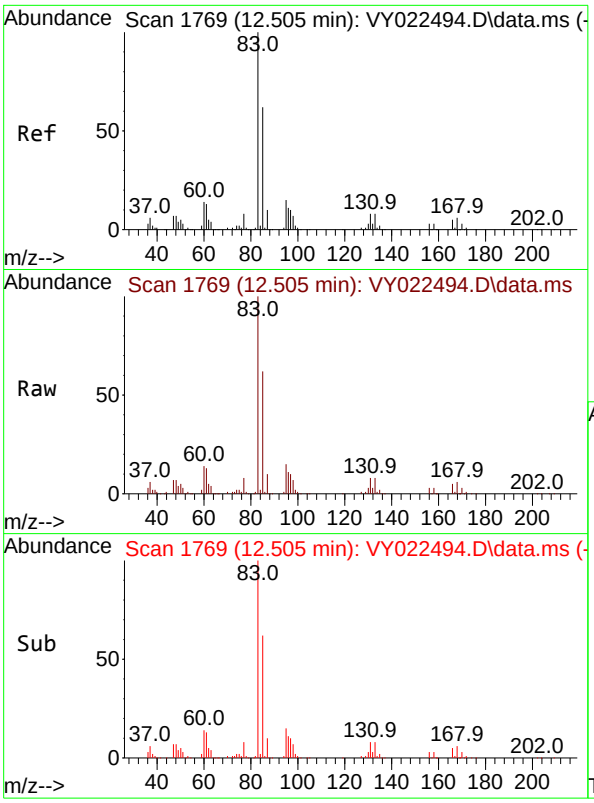


#74
N-amyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	22.8	18.2	27.4
61	23.8	19.0	28.6



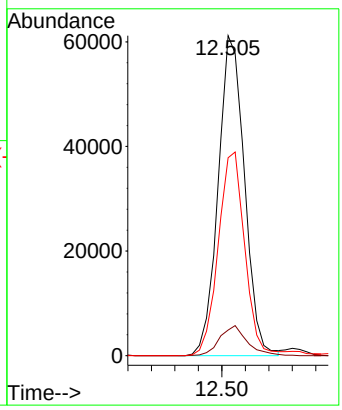


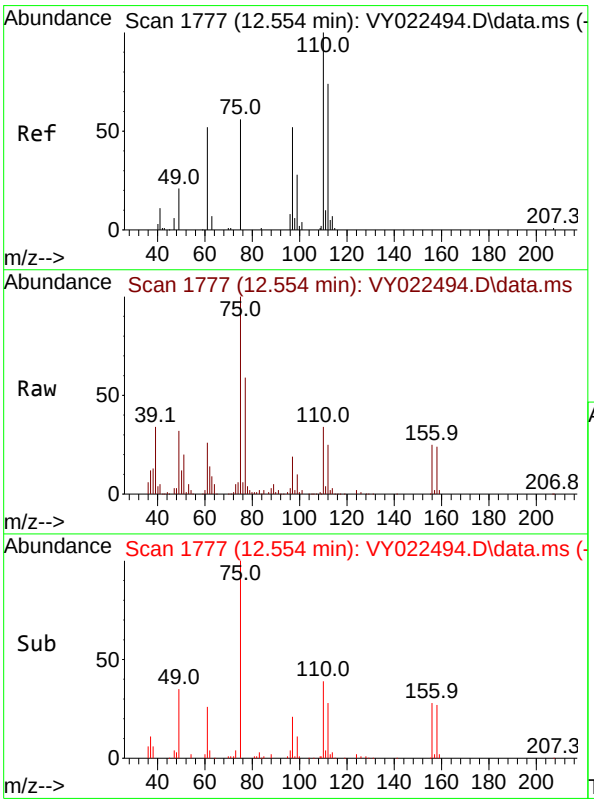
#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 95218

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.2	32.6	97.8

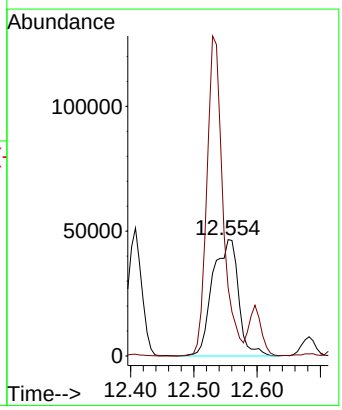


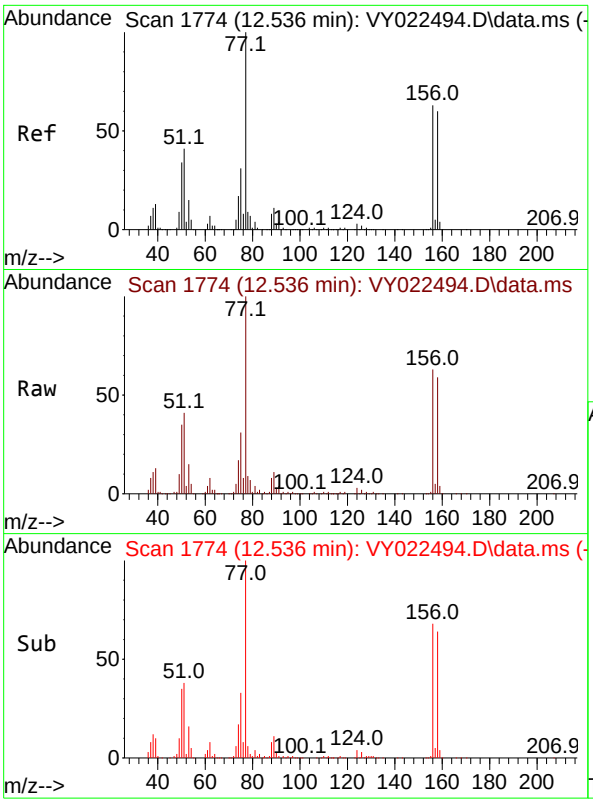


#76
1,2,3-Trichloropropane
Concen: 71.836 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 132344

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



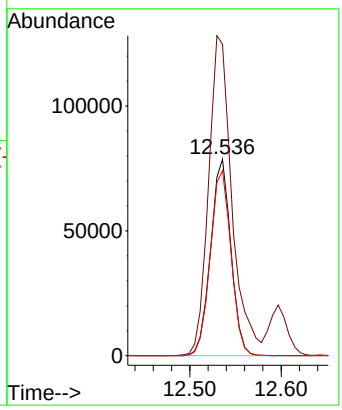


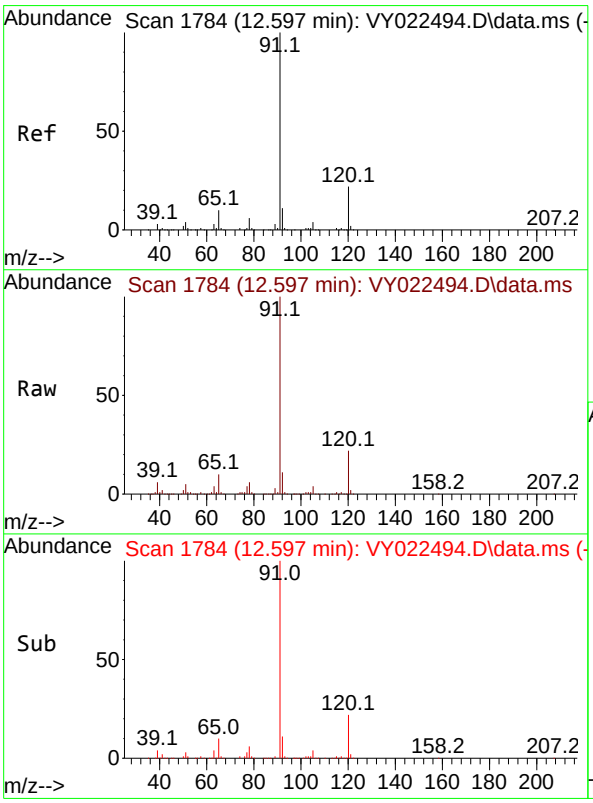
#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 121092

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	96.4	48.2	144.6

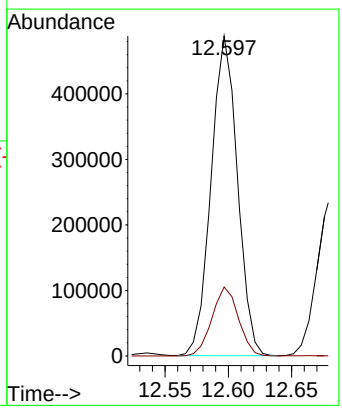


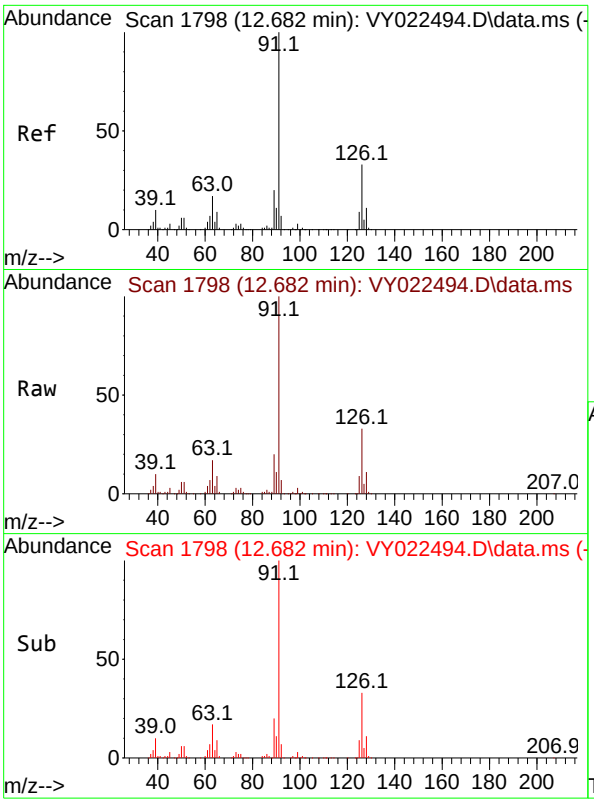


#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



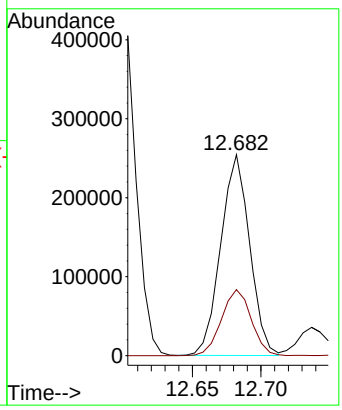


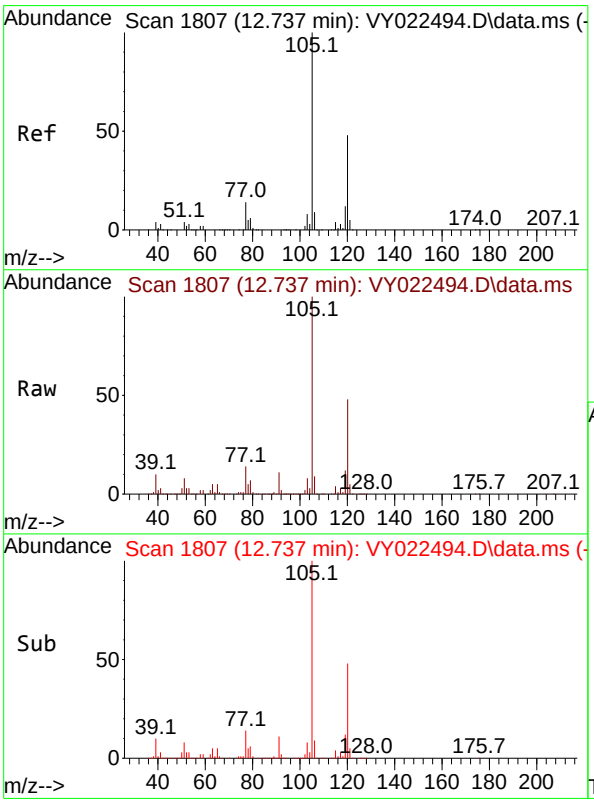
#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 373402

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

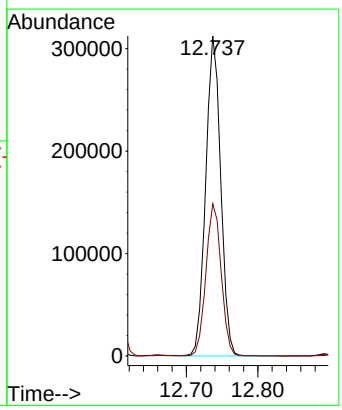


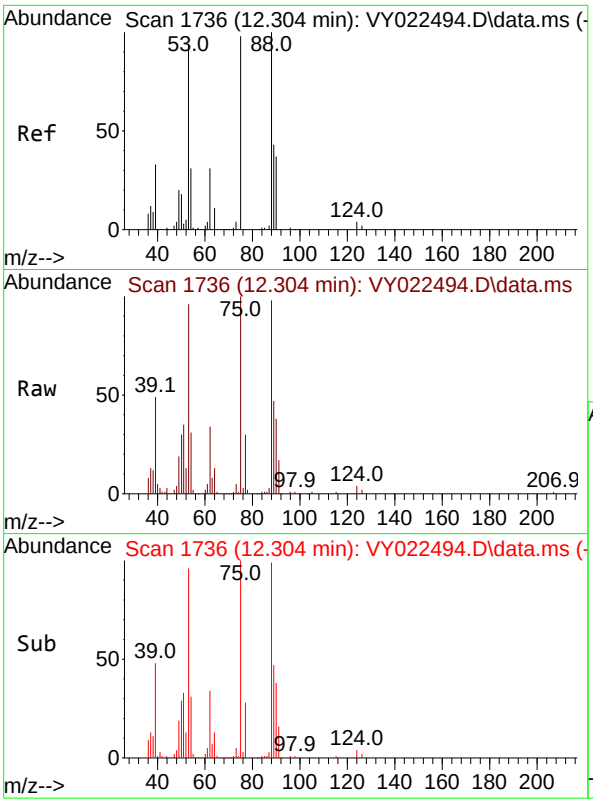


#80
1,3,5-Trimethylbenzene
Concen: 51.754 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 455006

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4



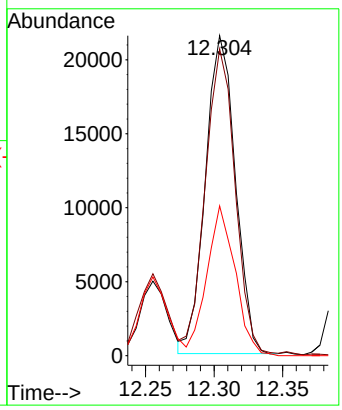


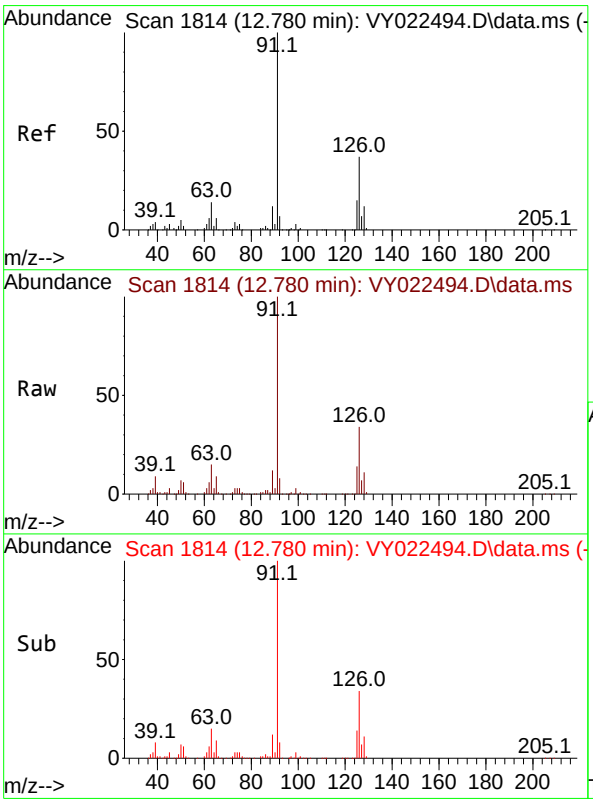
#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 32630

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	44.6	35.7	53.5

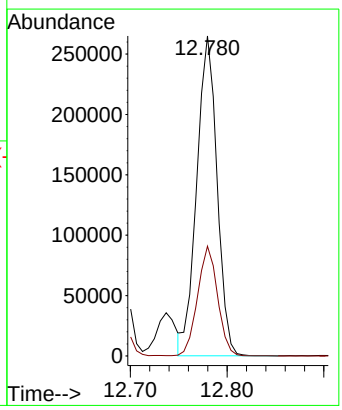


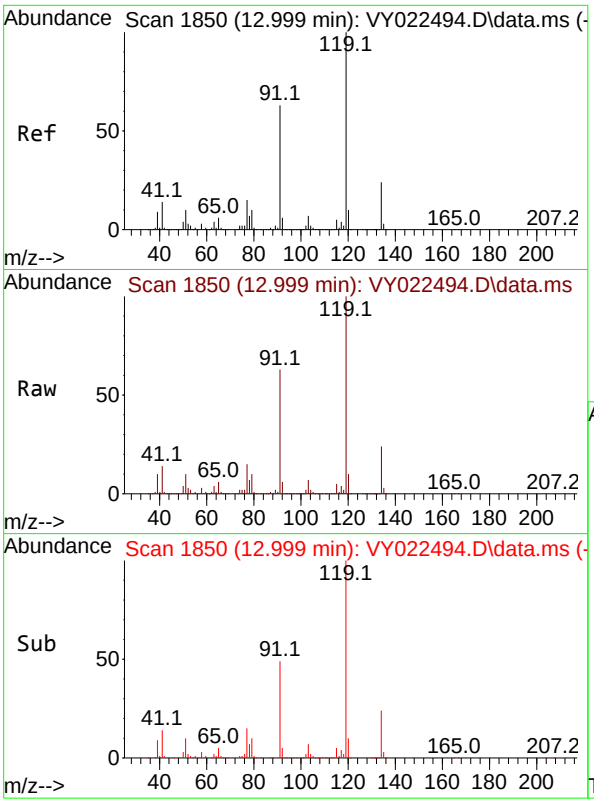


#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9



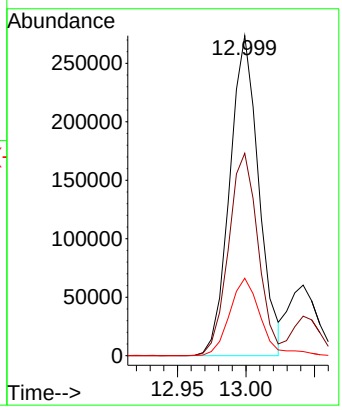


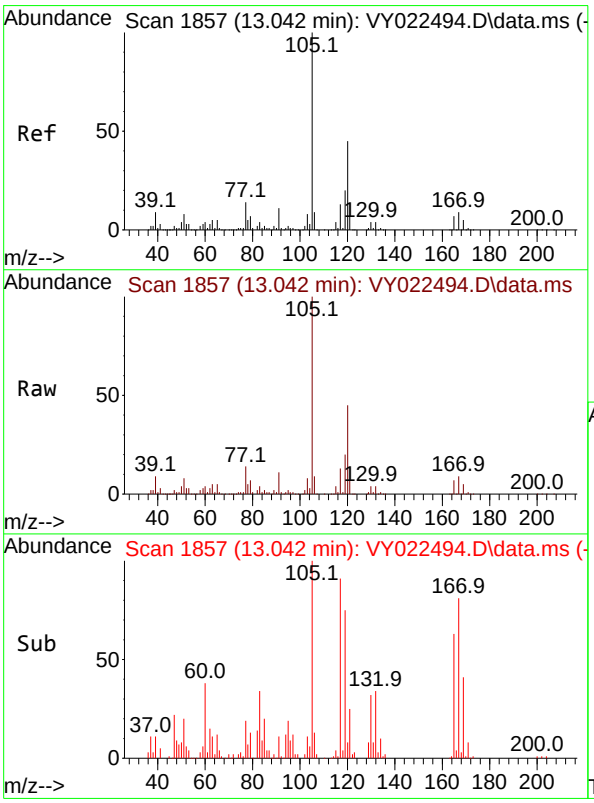
#83
tert-Butylbenzene
Concen: 50.438 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 404519

Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	25.9	13.0	38.9

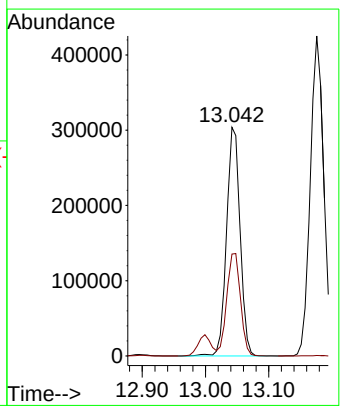


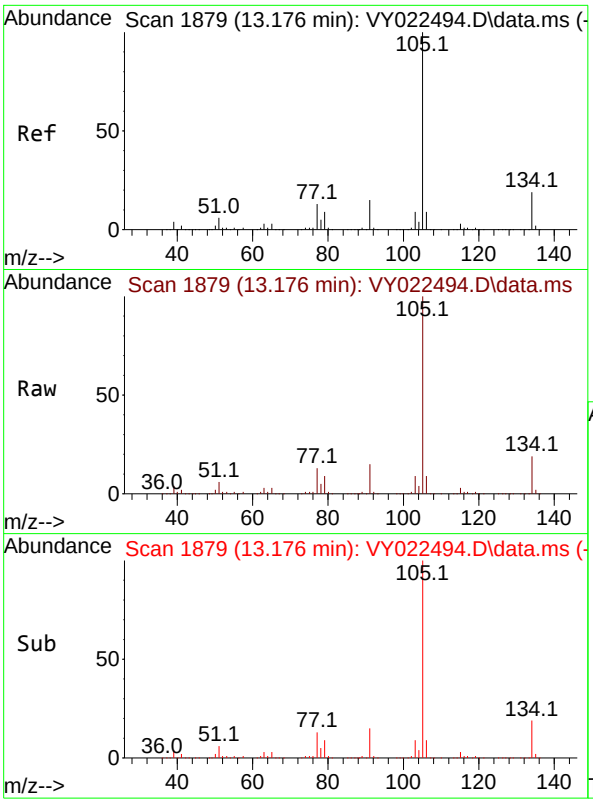


#84
1,2,4-Trimethylbenzene
Concen: 51.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 449372

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



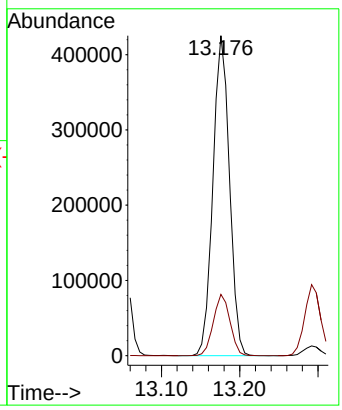


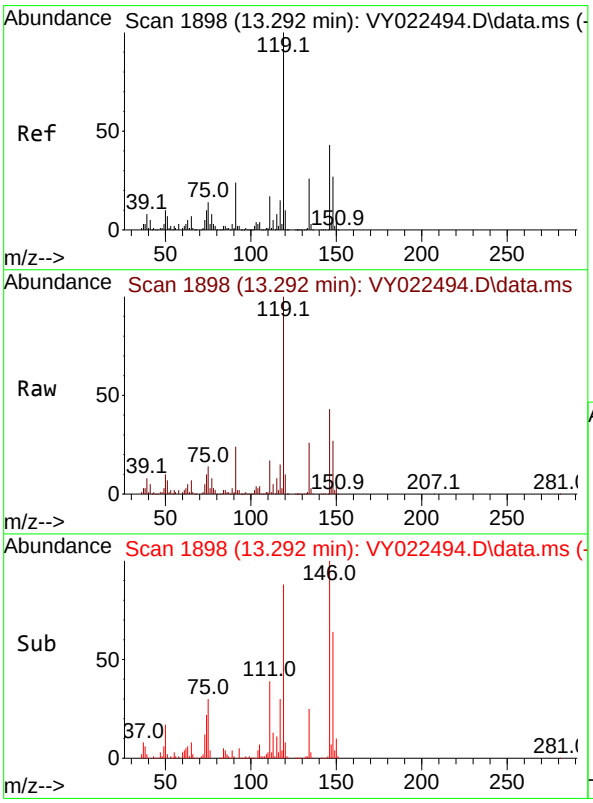
#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 623185

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

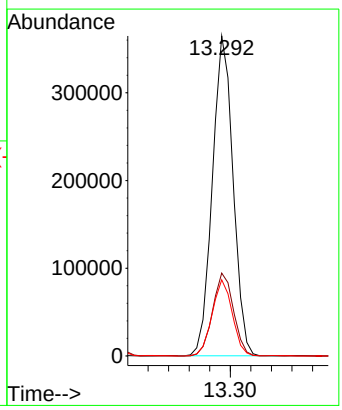


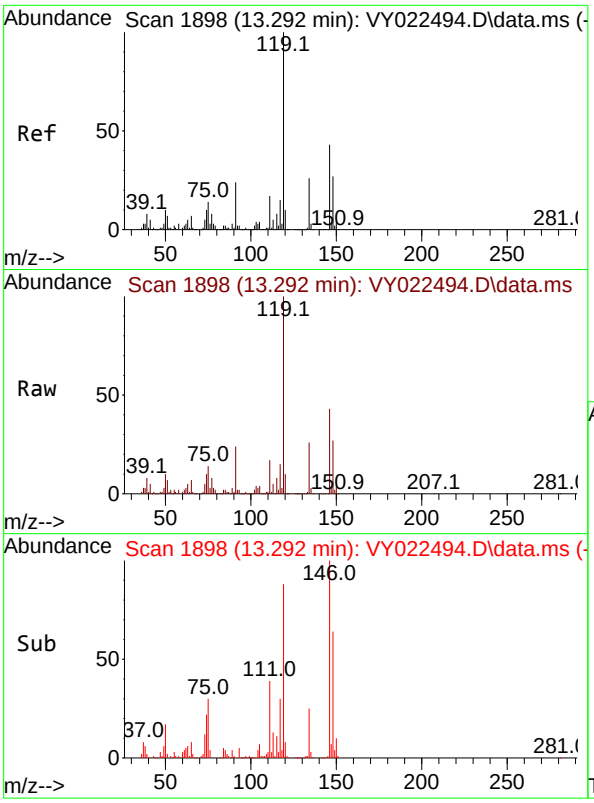


#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.2	11.6	34.8



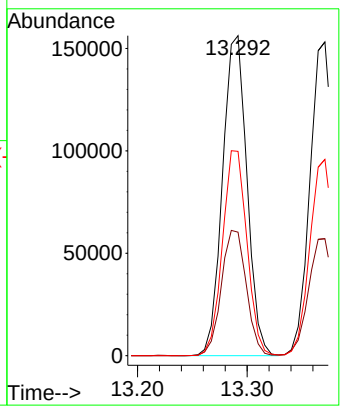


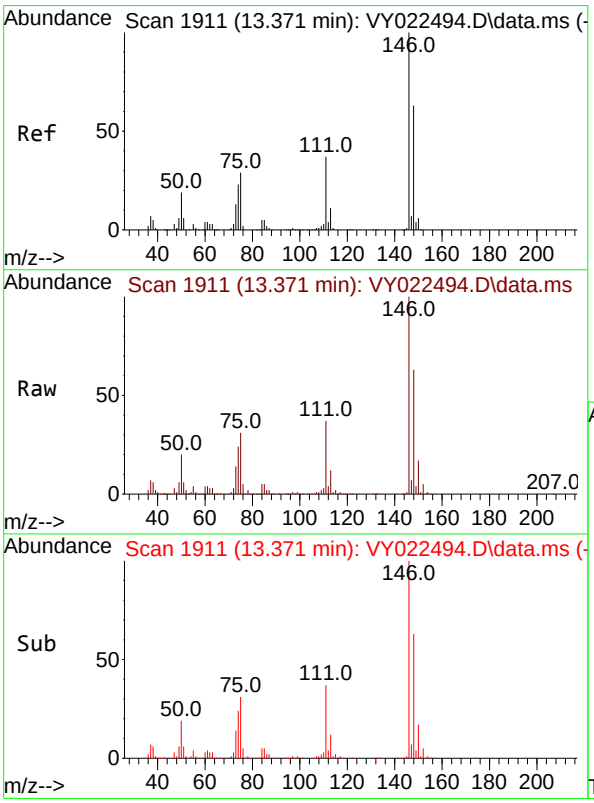
#87
1,3-Dichlorobenzene
Concen: 50.717 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 241816

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	32.1	96.3

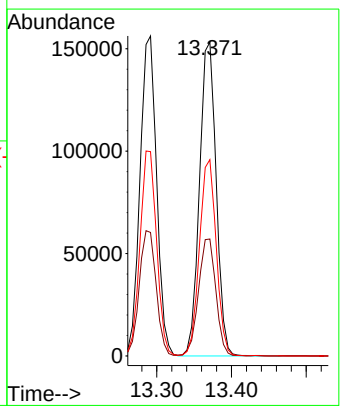


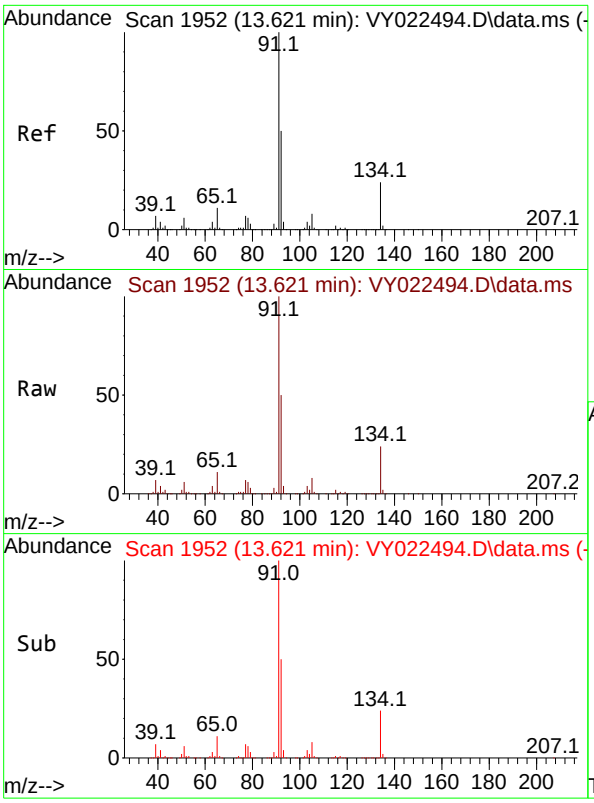


#88
1,4-Dichlorobenzene
Concen: 51.108 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 237429

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.2	31.6	94.8



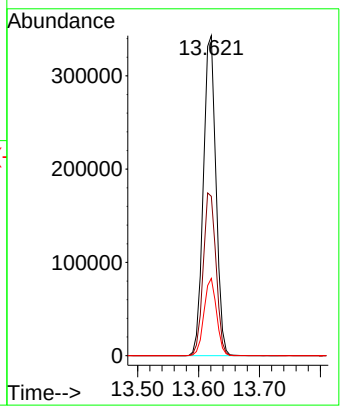


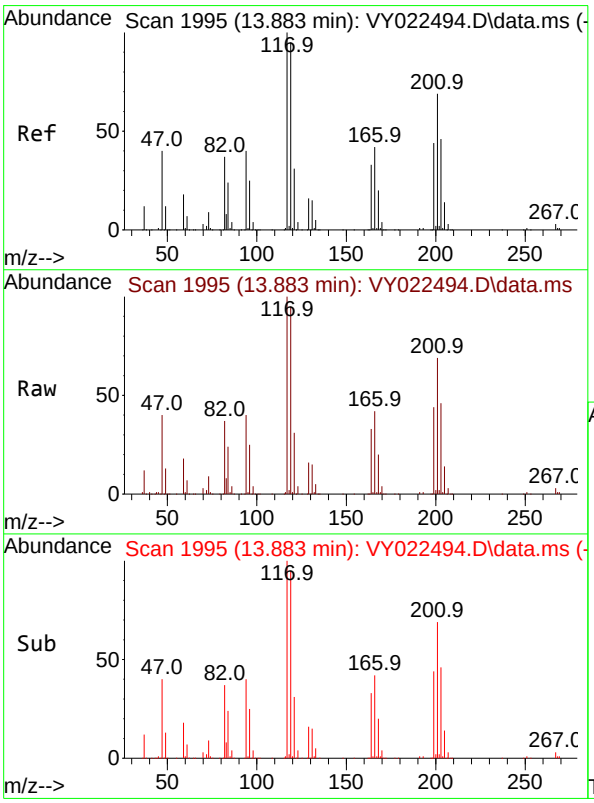
#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 493153

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

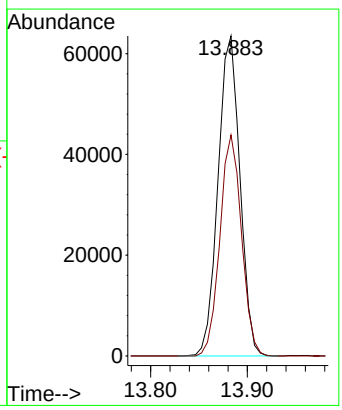


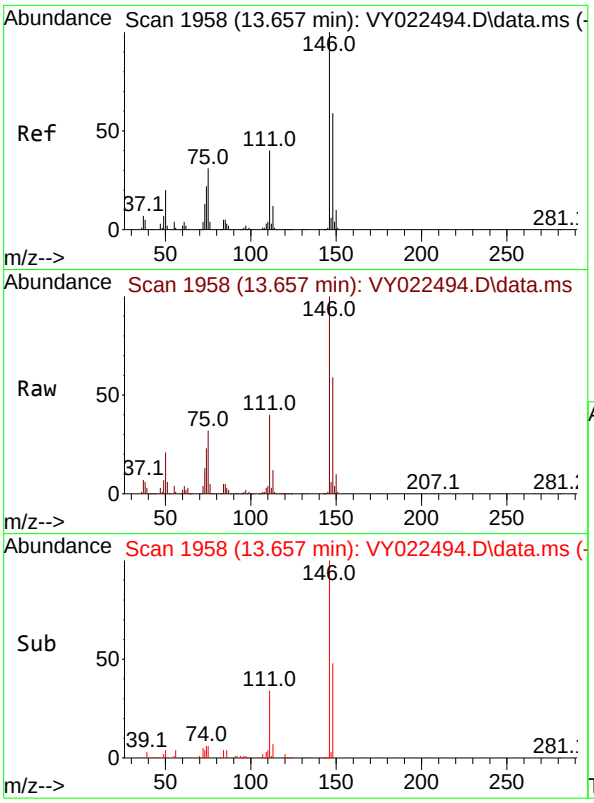


#90
Hexachloroethane
Concen: 51.068 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 99901

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0



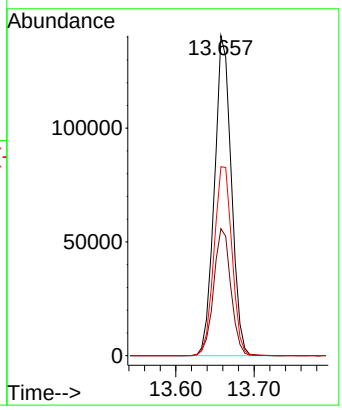


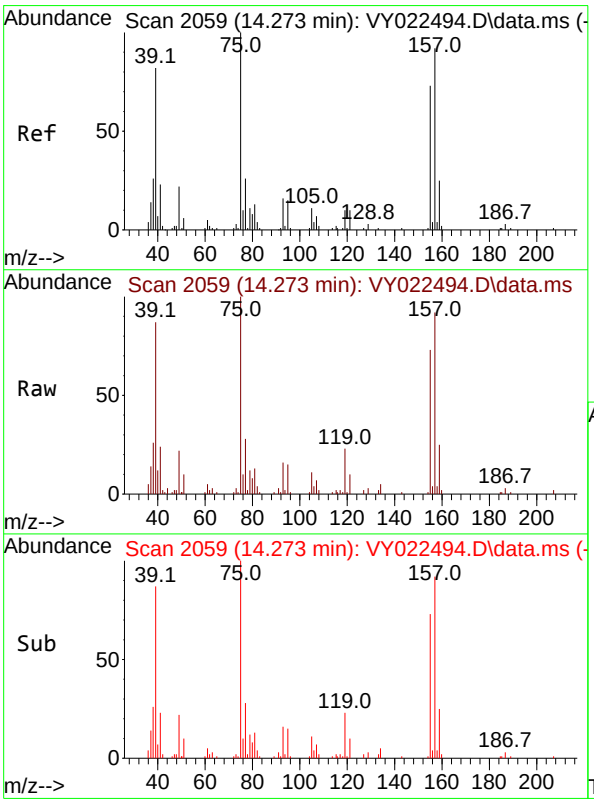
#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 211065

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0

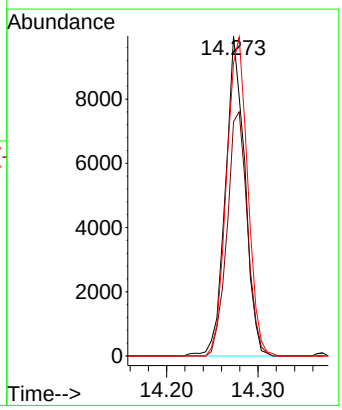


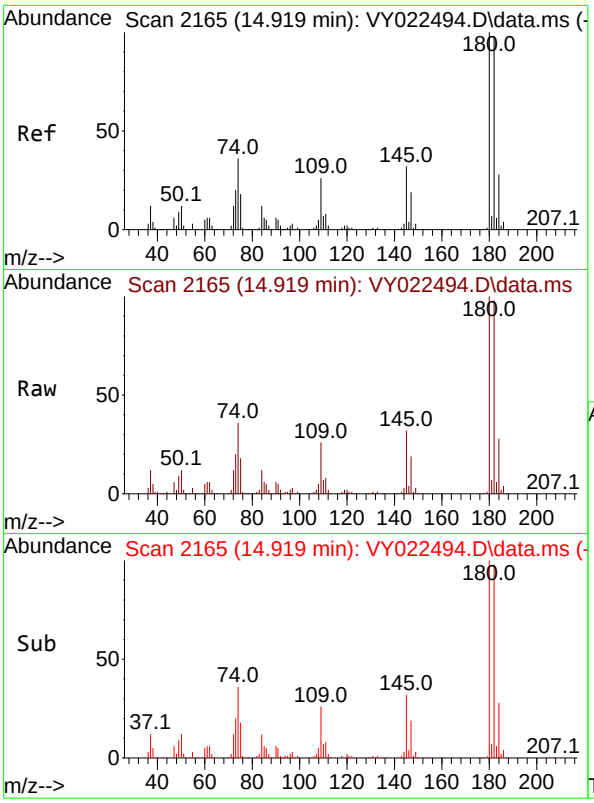


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	108.0	54.0	162.0



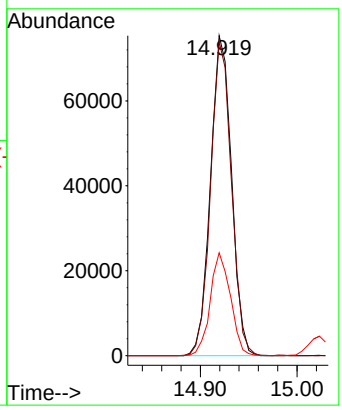


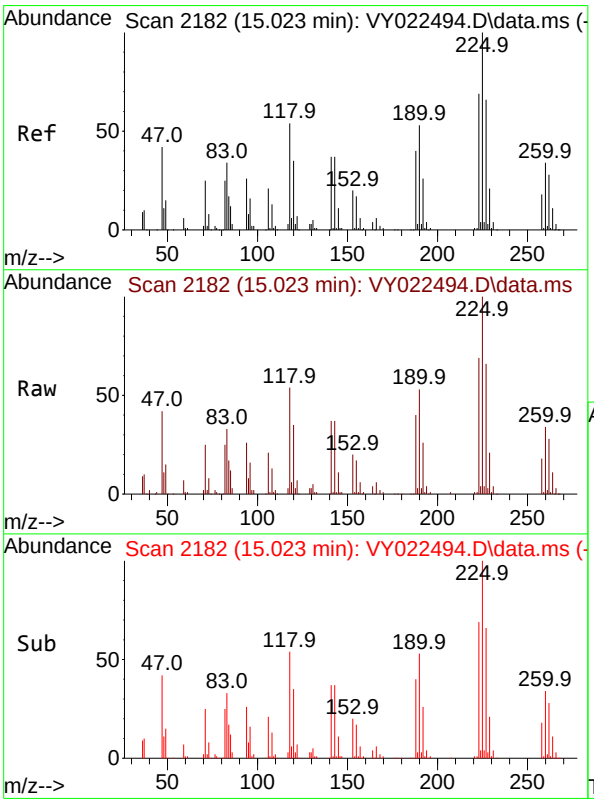
#93
1,2,4-Trichlorobenzene
Concen: 50.919 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 114007

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	31.0	15.5	46.5

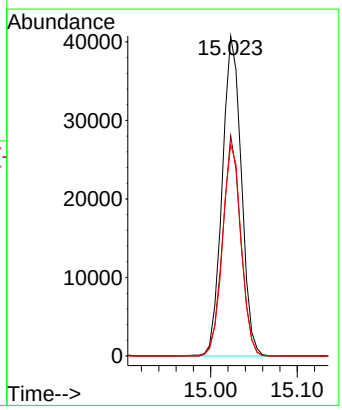


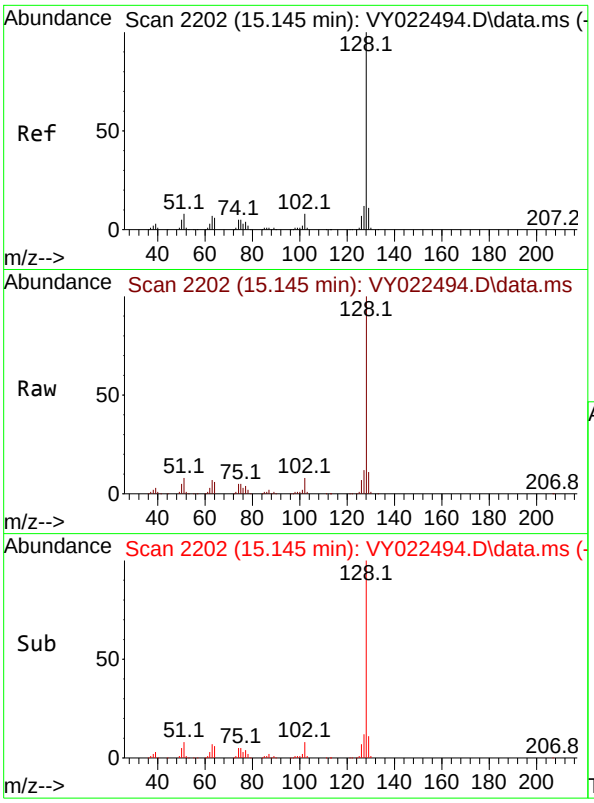


#94
Hexachlorobutadiene
Concen: 51.054 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:225 Resp: 62434

Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9



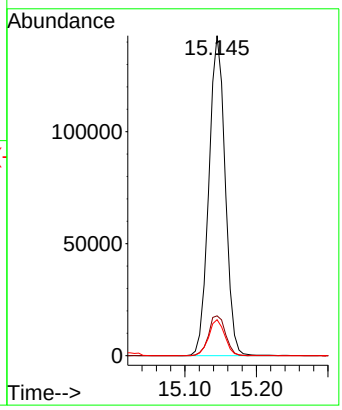


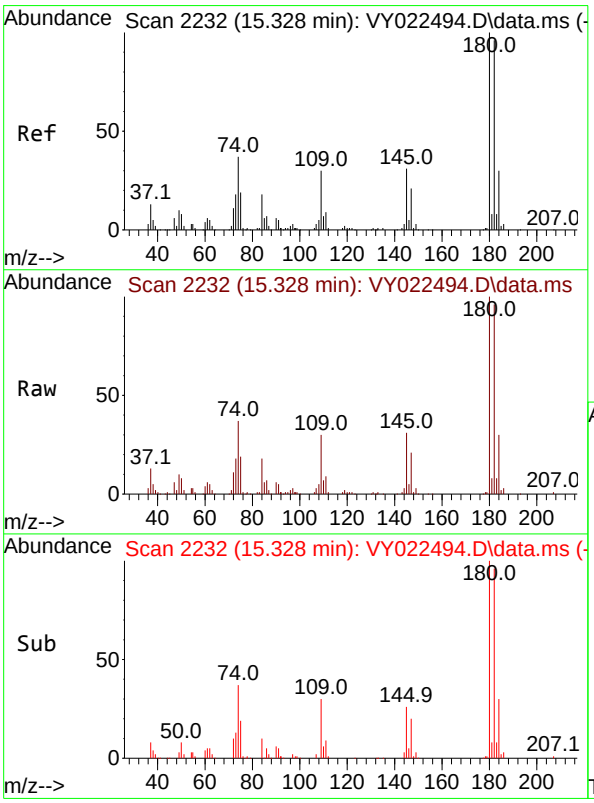
#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 226073

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

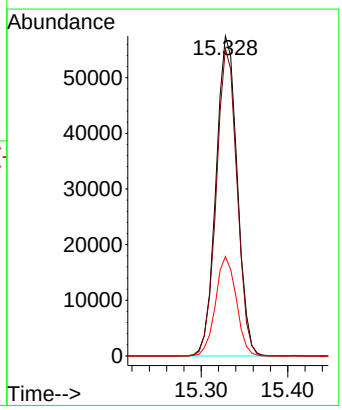




#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#			
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#			
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#			
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	72513	74.162	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	285086	143.759	ug/l	#	100
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

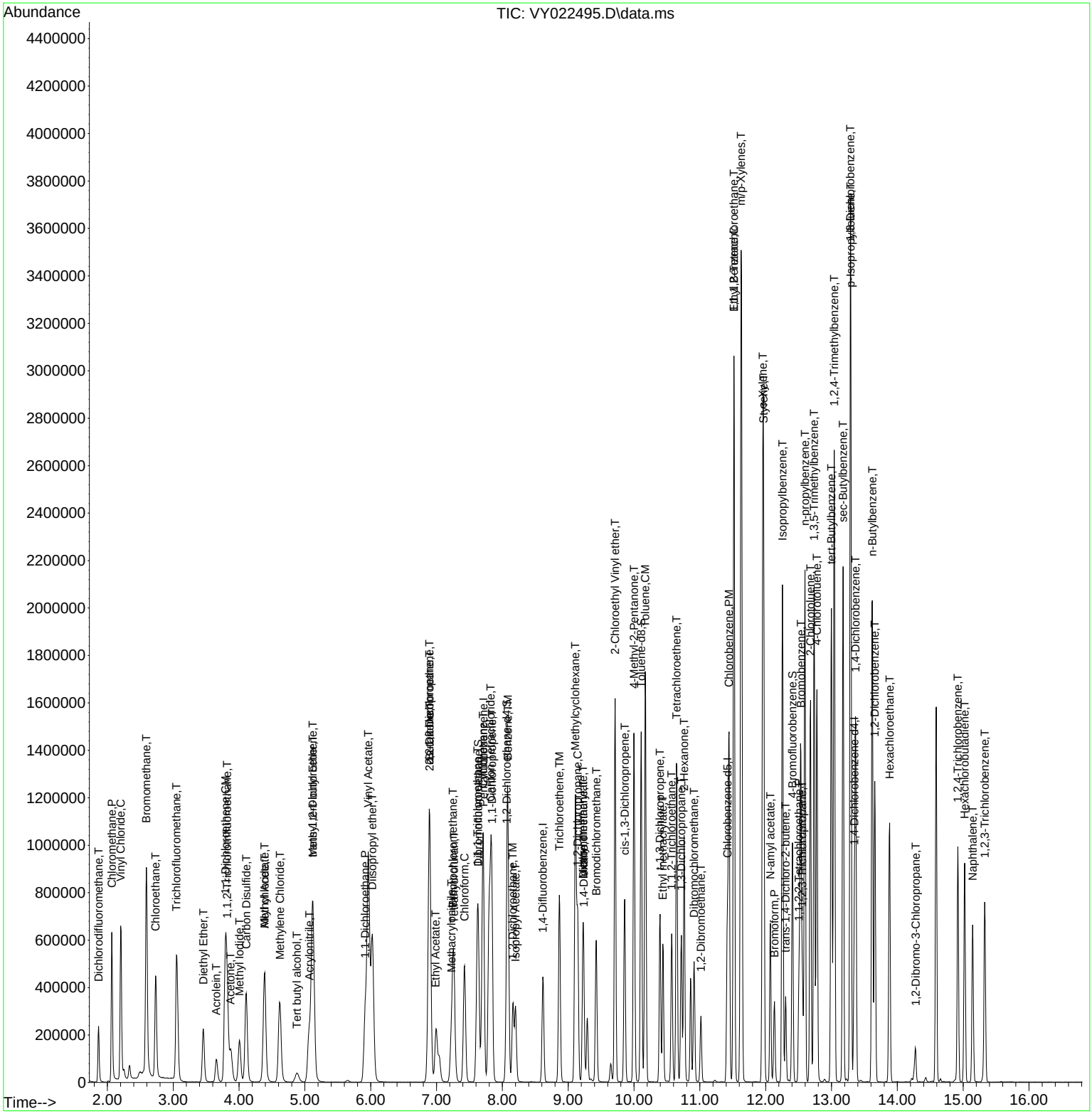
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

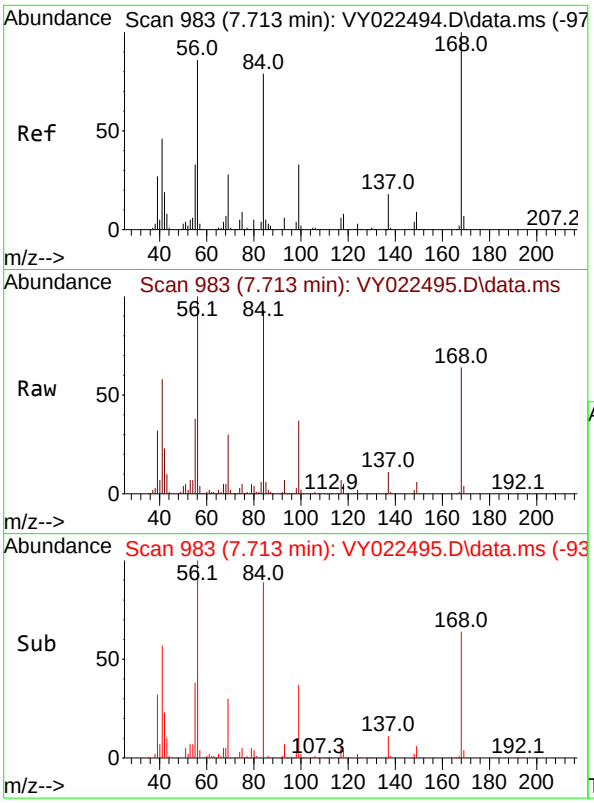
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



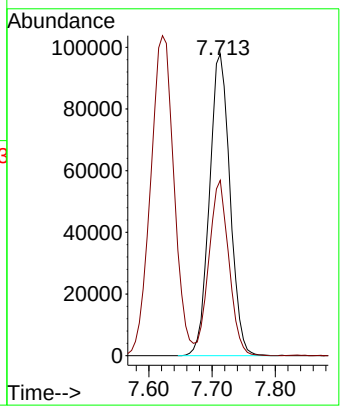


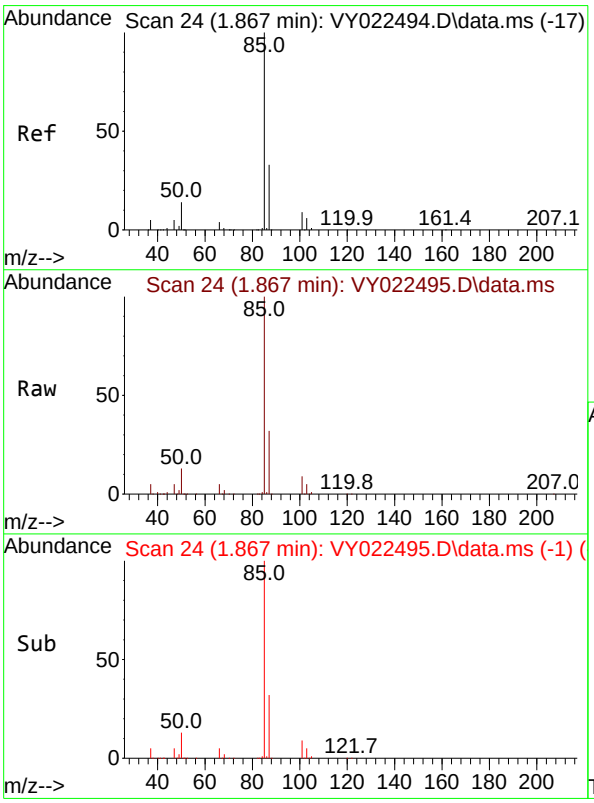
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 220566

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.3	66.5

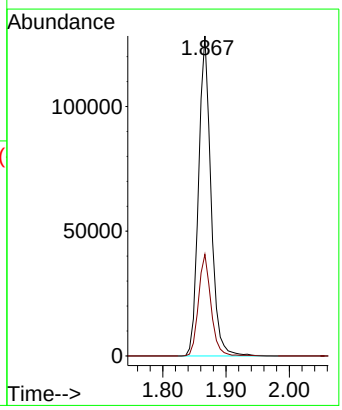


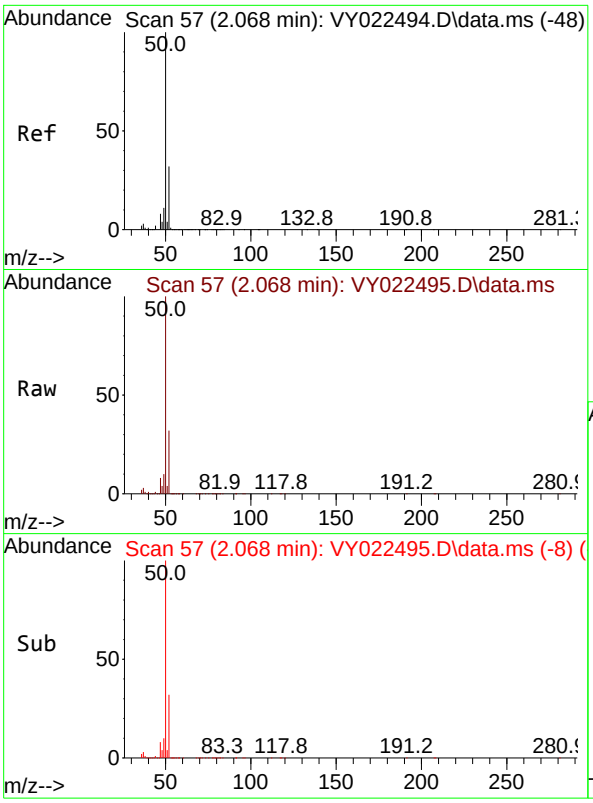


#2
Dichlorodifluoromethane
Concen: 90.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 85 Resp: 175145

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.7	50.0



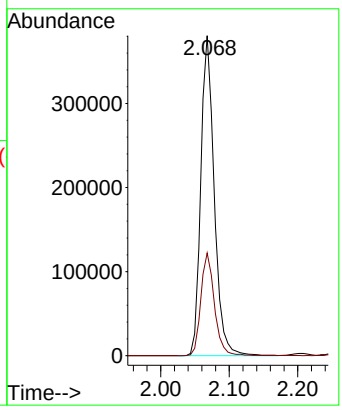


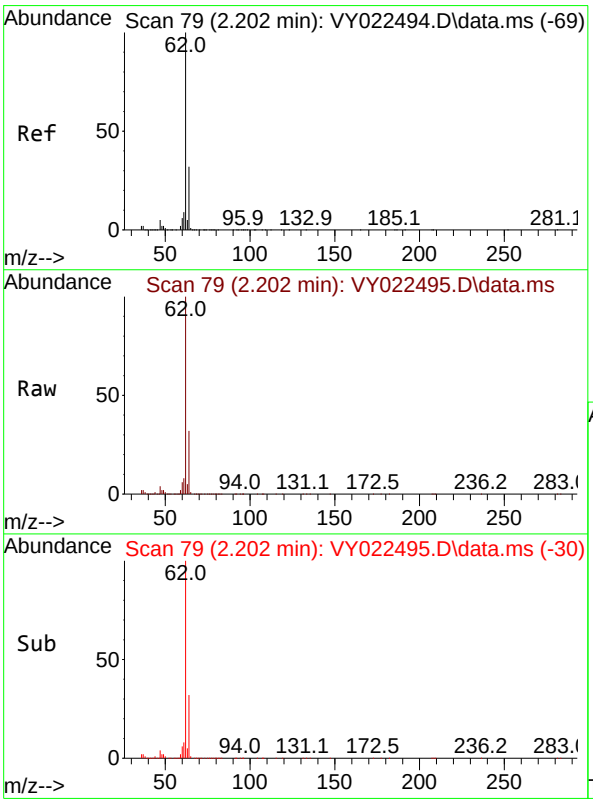
#3
Chloromethane
Concen: 91.429 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 519859

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.0	39.0

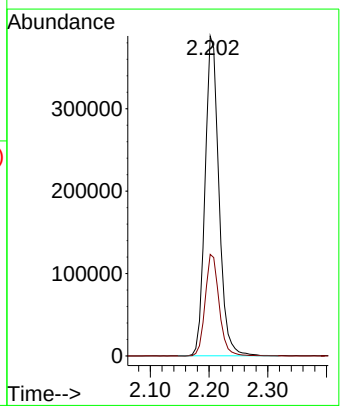


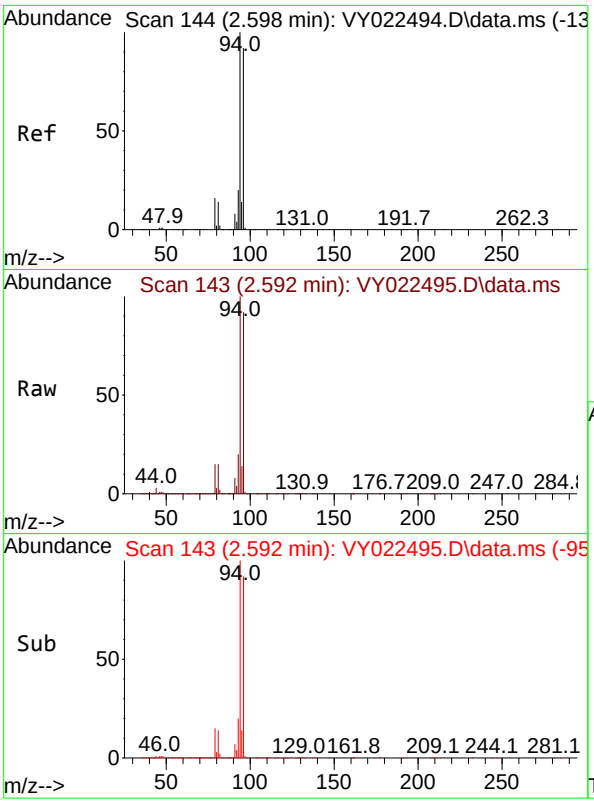


#4
Vinyl Chloride
Concen: 95.695 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 636843

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



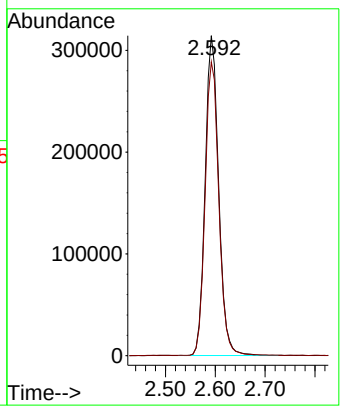


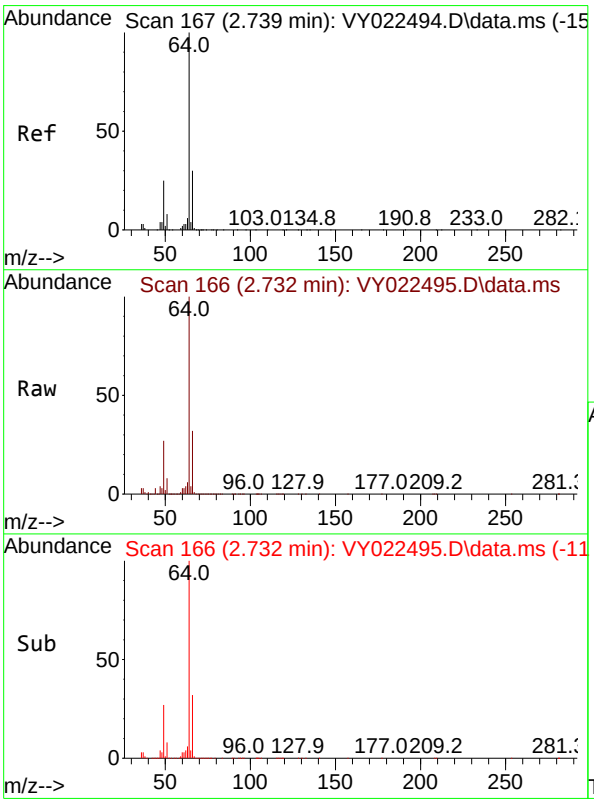
#5
Bromomethane
Concen: 93.980 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 591589

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.0	111.0

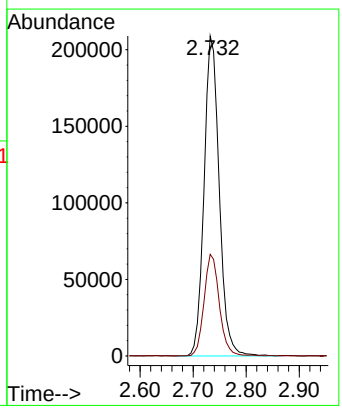


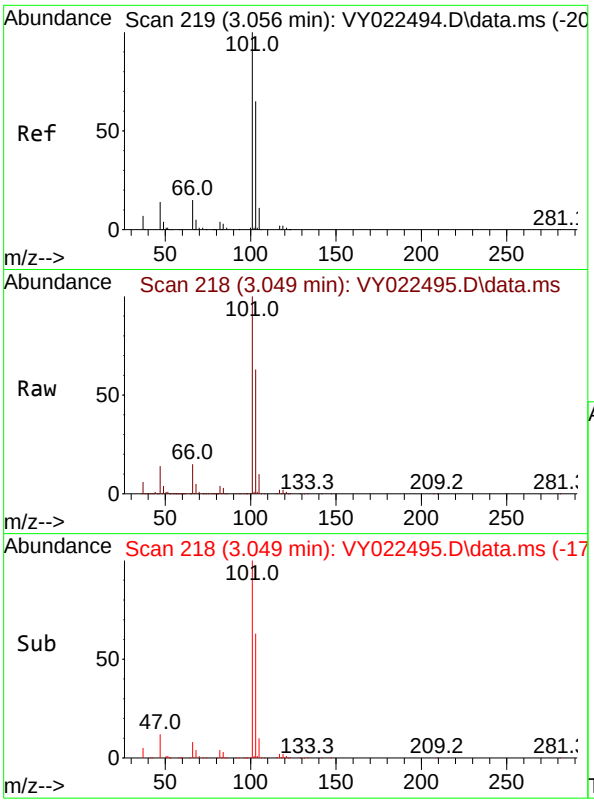


#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 64 Resp: 414935

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.8	35.6



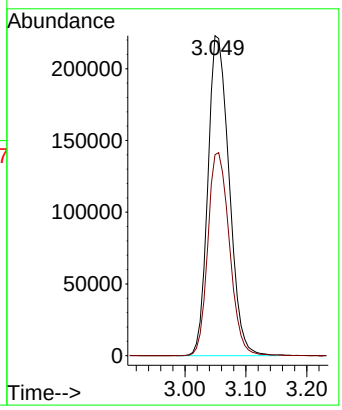


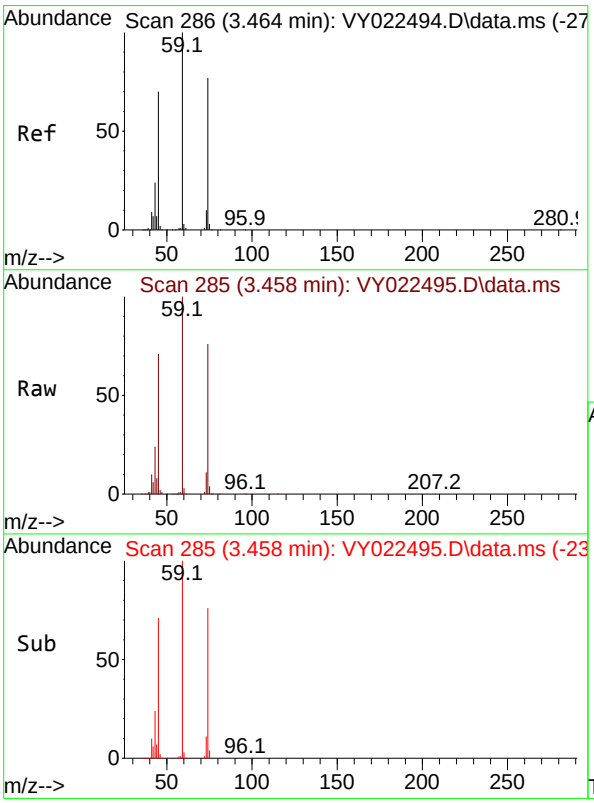
#7
Trichlorofluoromethane
Concen: 95.384 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 539323

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.2	78.2

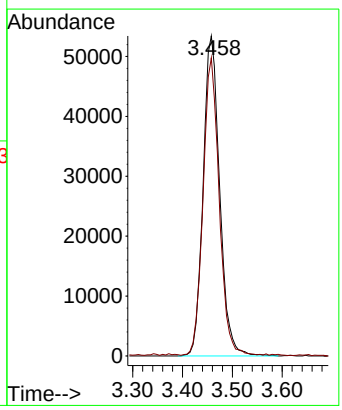


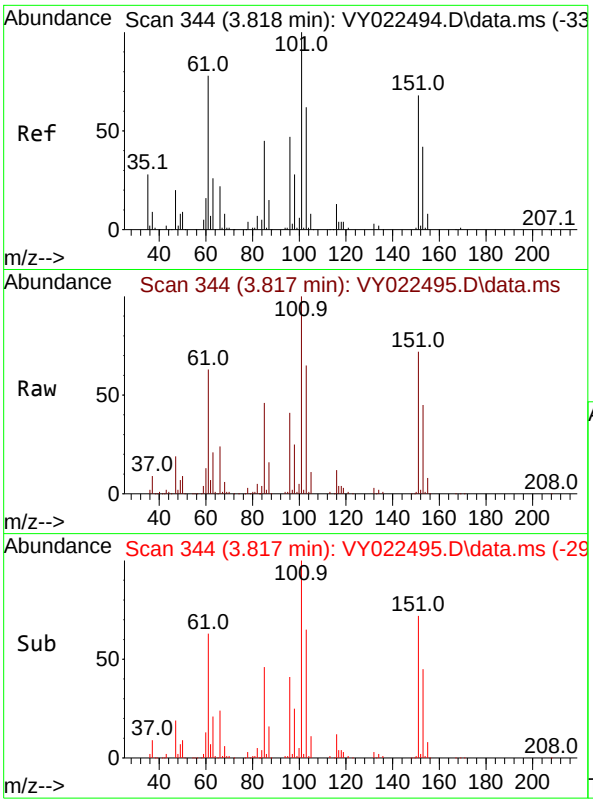


#8
Diethyl Ether
Concen: 98.428 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 74 Resp: 122923

Ion	Ratio	Lower	Upper
74	100		
45	90.6	45.9	137.6



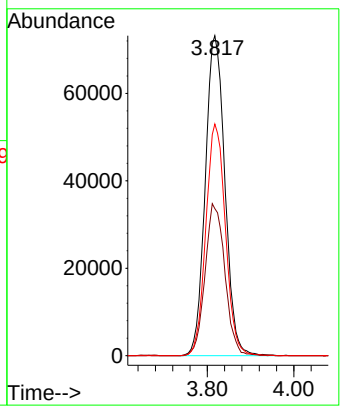


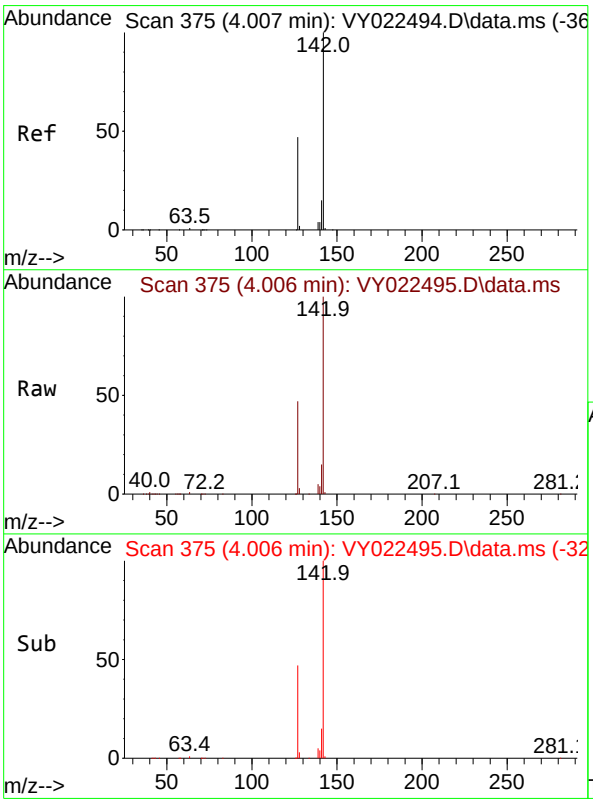
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.074 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 230240

Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.3	58.9
151	72.4	57.8	86.8

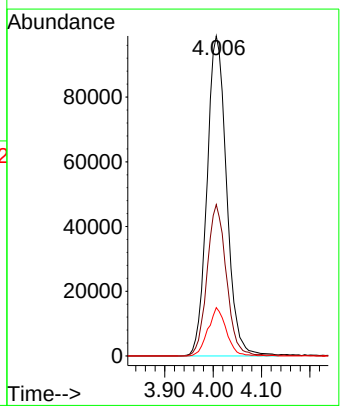


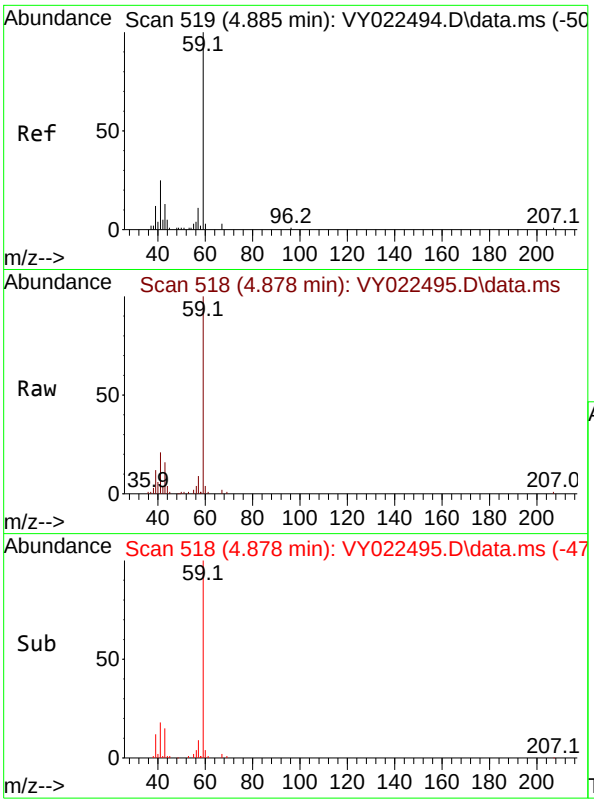


#10
Methyl Iodide
Concen: 109.525 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:142 Resp: 278576

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.1	55.7
141	14.2	11.4	17.2



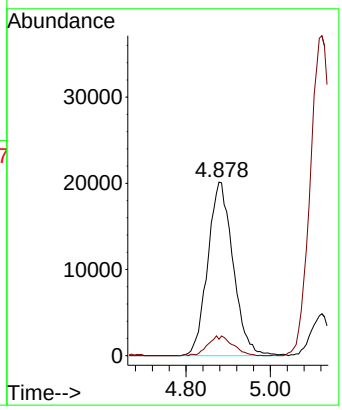


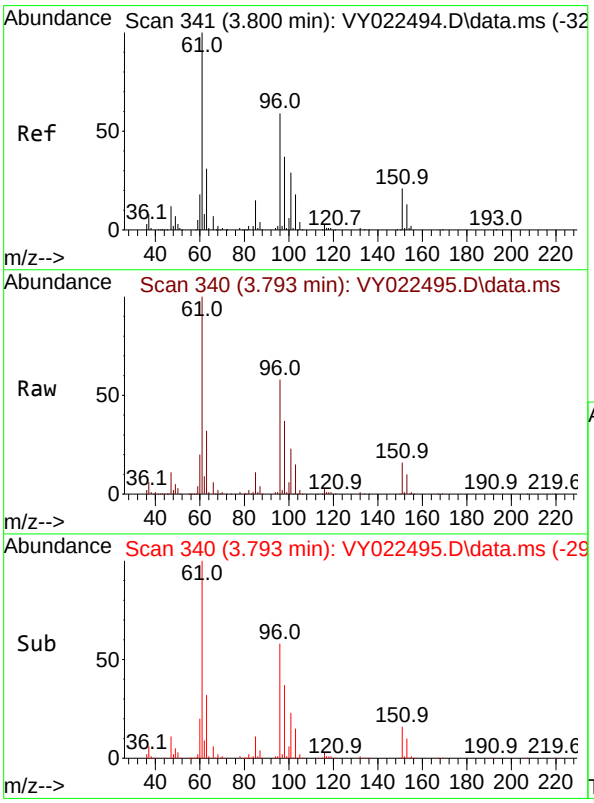
#11
Tert butyl alcohol
Concen: 489.395 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 83900

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.0	12.0#

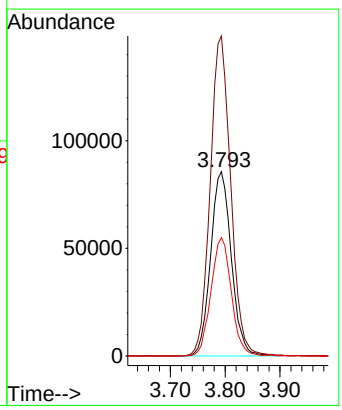


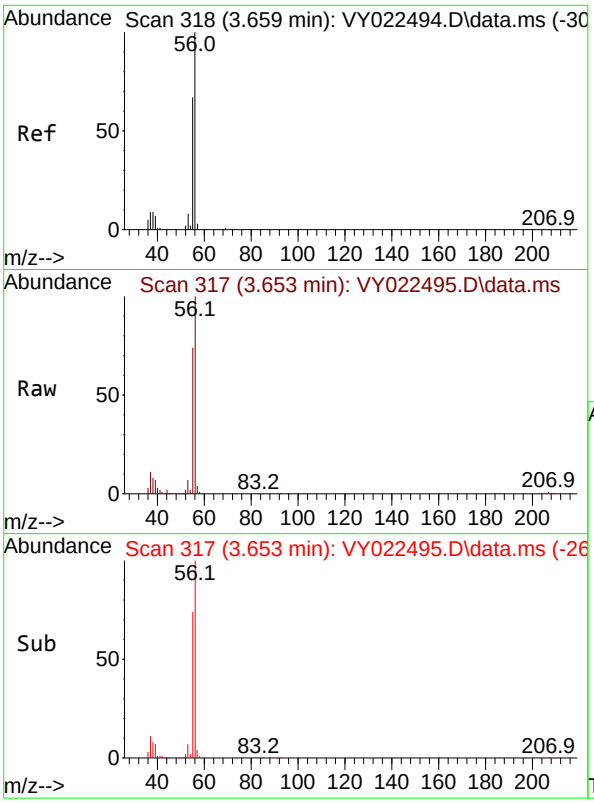


#12
1,1-Dichloroethene
Concen: 99.317 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 224855

Ion	Ratio	Lower	Upper
96	100		
61	173.6	134.6	201.8
98	64.1	50.2	75.4



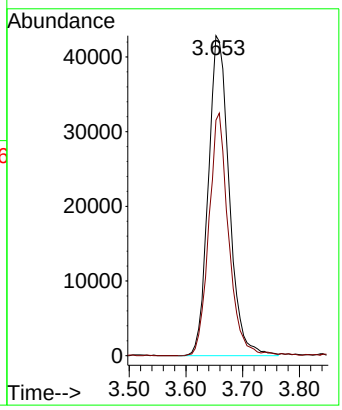


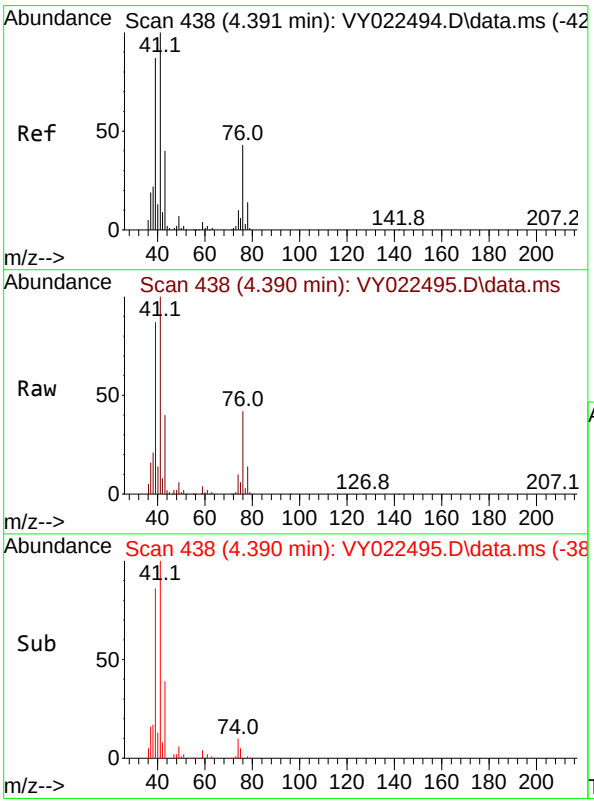
#13
Acrolein
Concen: 522.746 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 109392

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6

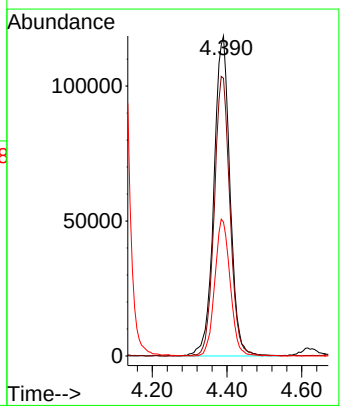


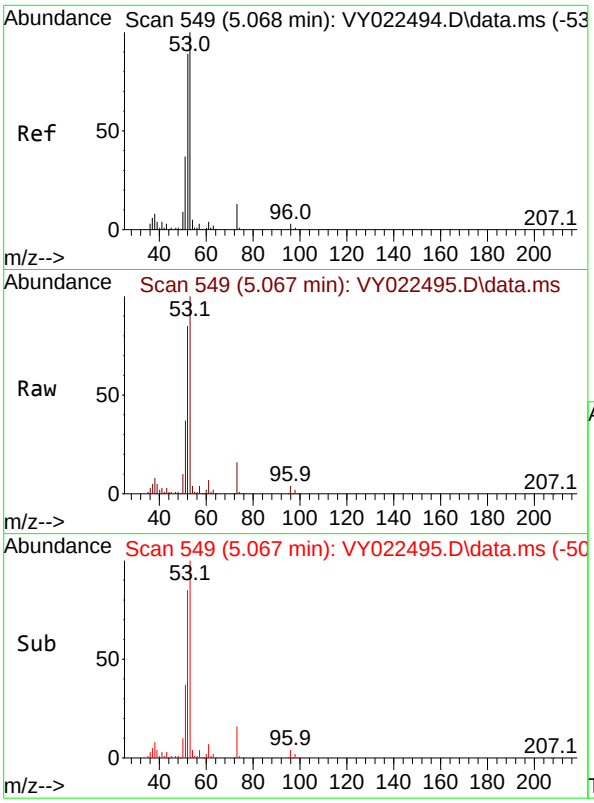


#14
Allyl chloride
Concen: 100.560 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 354774

Ion	Ratio	Lower	Upper
41	100		
39	85.0	69.1	103.7
76	40.8	33.5	50.3



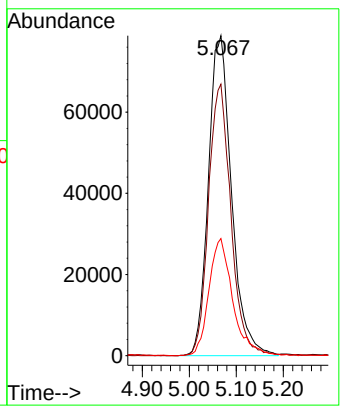


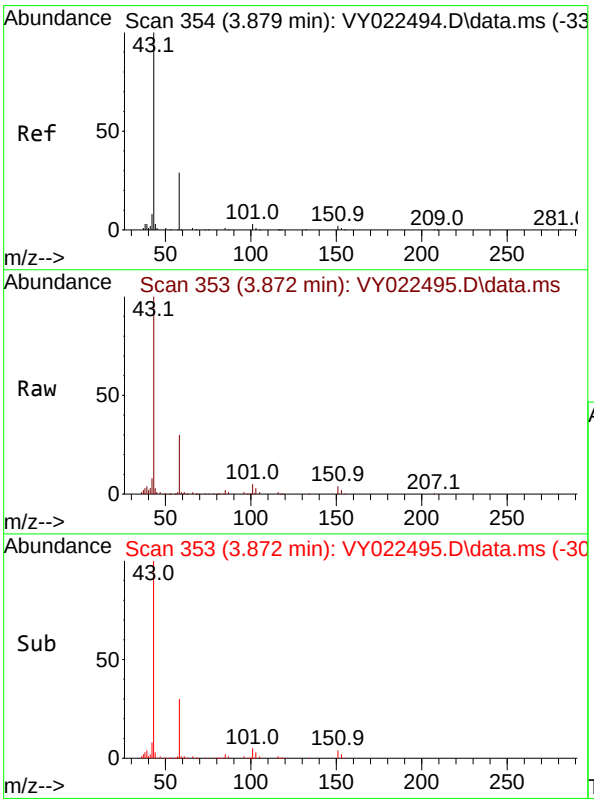
#15
Acrylonitrile
Concen: 507.168 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 269411

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	37.8	30.1	45.1

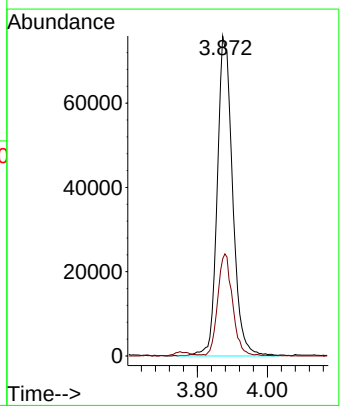


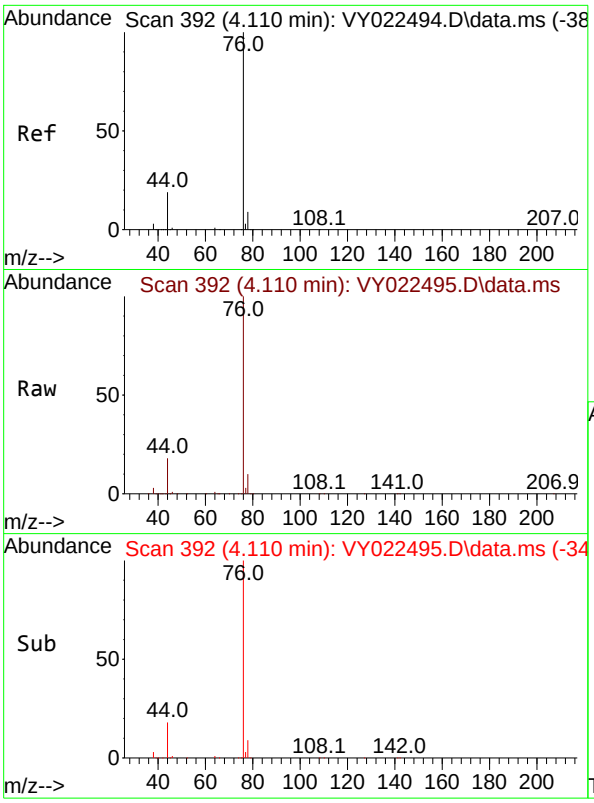


#16
Acetone
Concen: 487.310 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 231202

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0



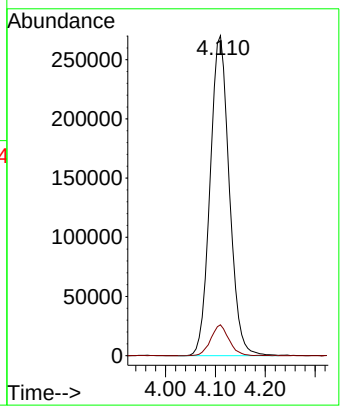


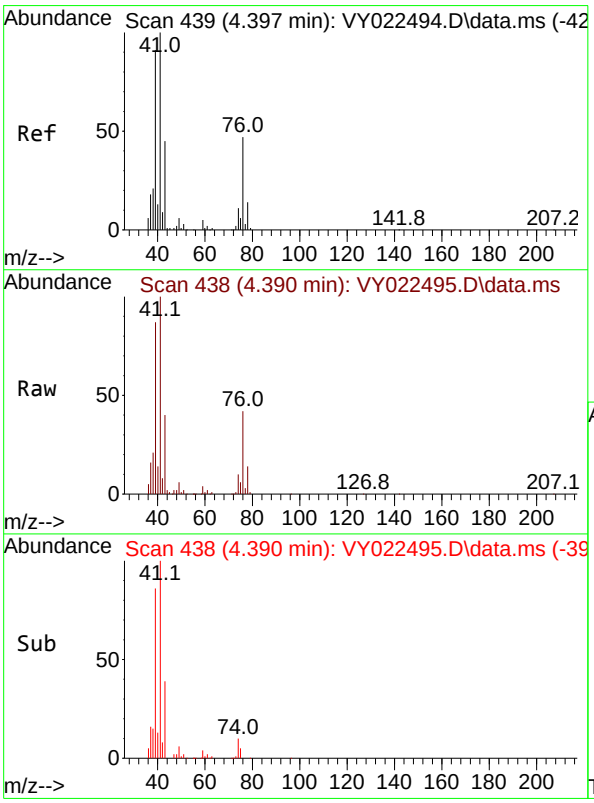
#17
Carbon Disulfide
Concen: 99.952 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 722508

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

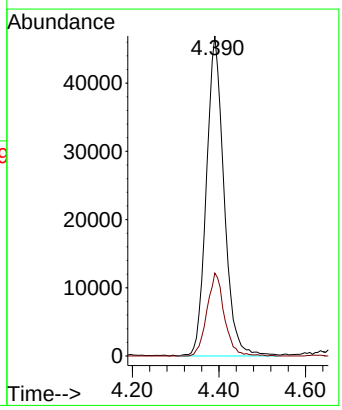


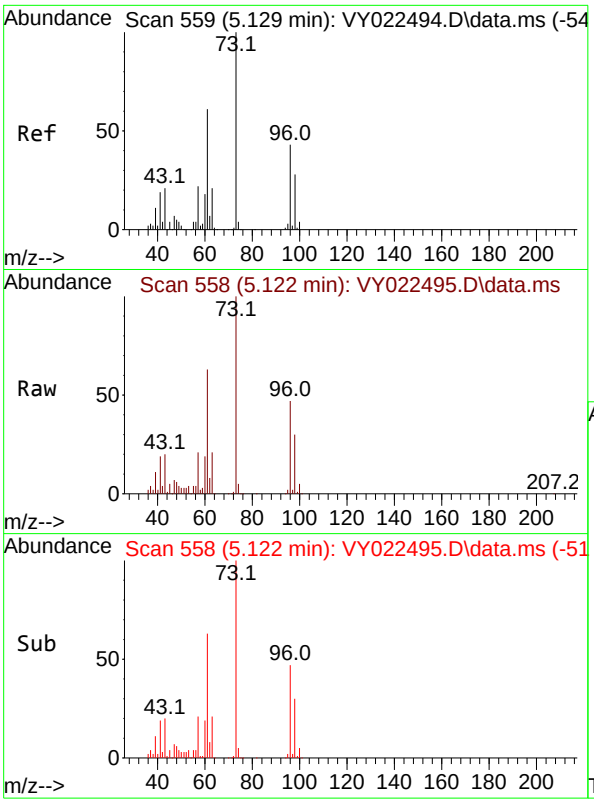


#18
Methyl Acetate
Concen: 92.907 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 132608

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.8	29.6



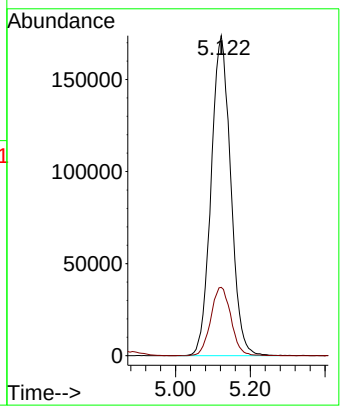


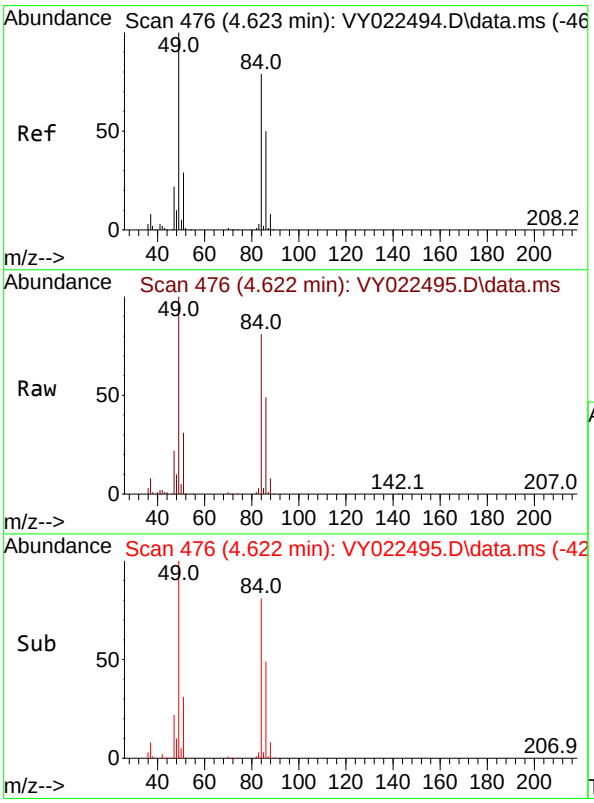
#19
Methyl tert-butyl Ether
Concen: 100.187 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 632873

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0

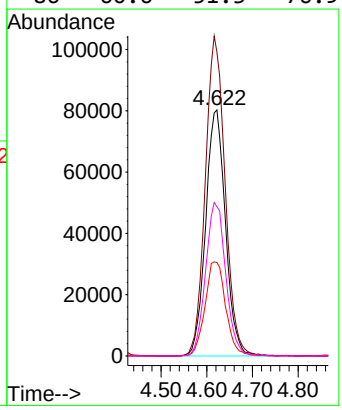


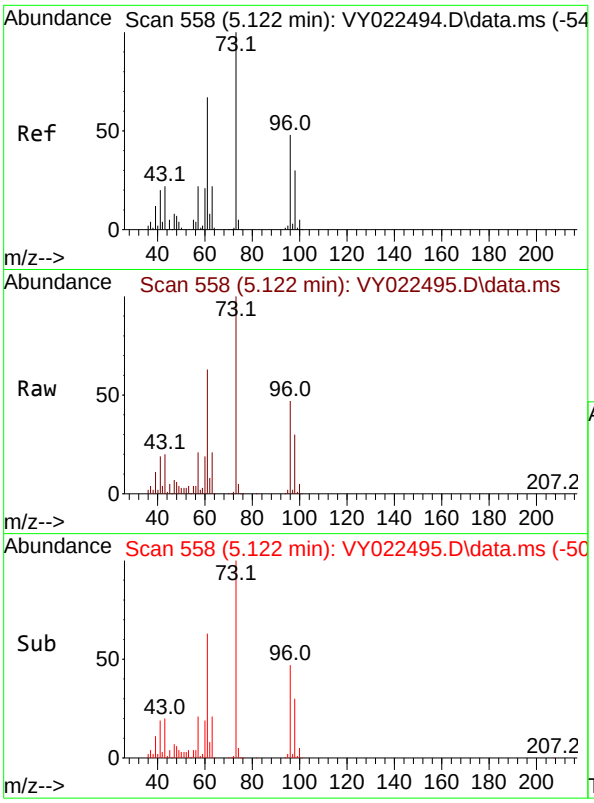


#20
Methylene Chloride
Concen: 91.318 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 84 Resp: 241903

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.9	152.9
51	38.0	29.8	44.8
86	60.6	51.3	76.9



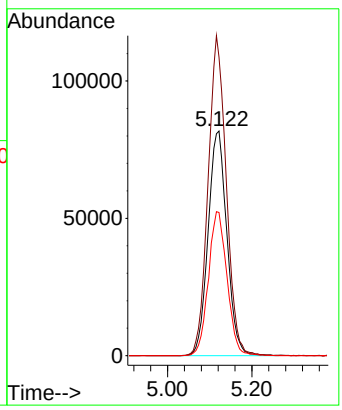


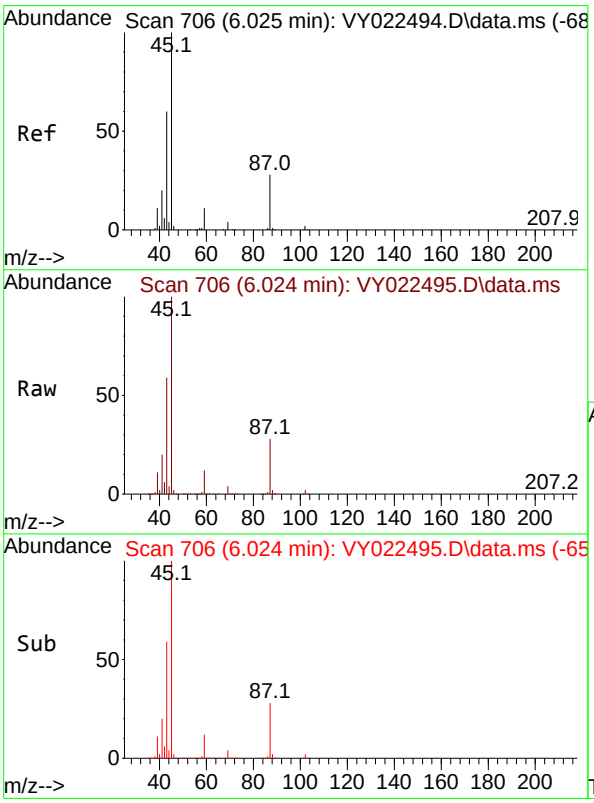
#21
trans-1,2-Dichloroethene
Concen: 100.103 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 253184

Ion	Ratio	Lower	Upper
96	100		
61	132.9	112.6	169.0
98	63.7	50.6	75.8

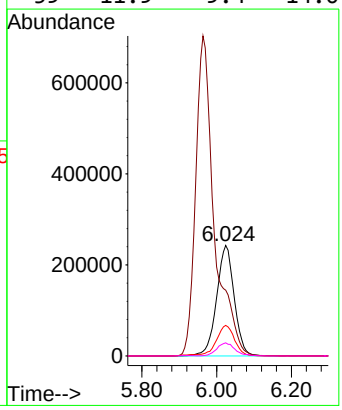


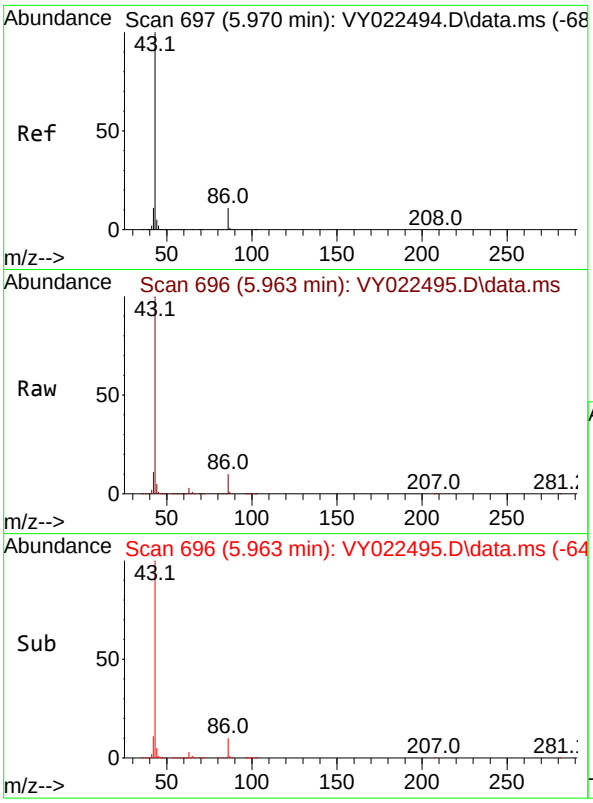


#22
Diisopropyl ether
Concen: 101.232 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 45 Resp: 794164

Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.3	72.5
87	27.6	23.0	34.6
59	11.9	9.4	14.0



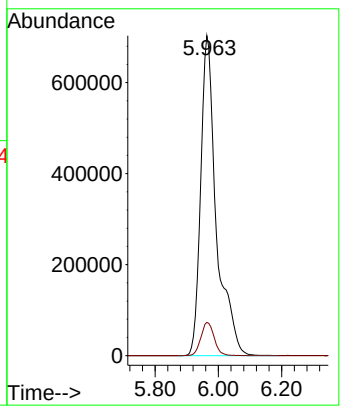


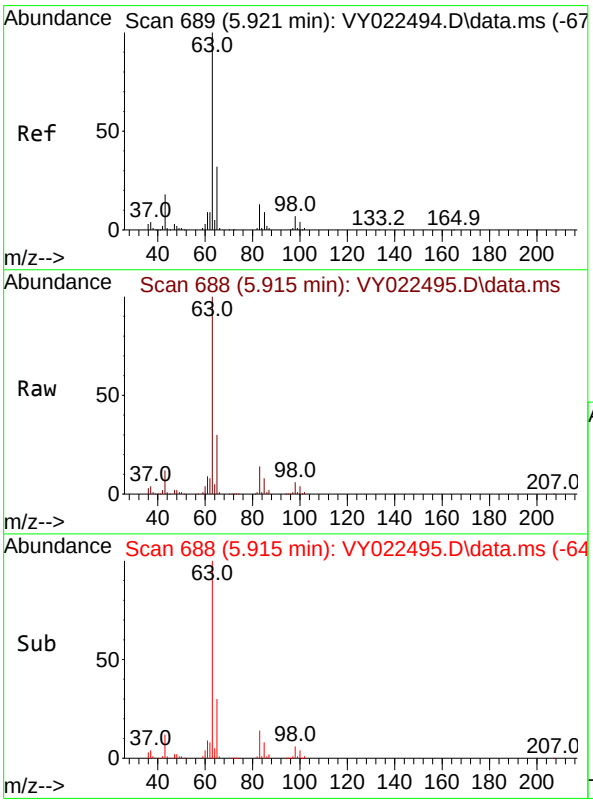
#23
Vinyl Acetate
Concen: 520.866 ug/l
RT: 5.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2424134

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

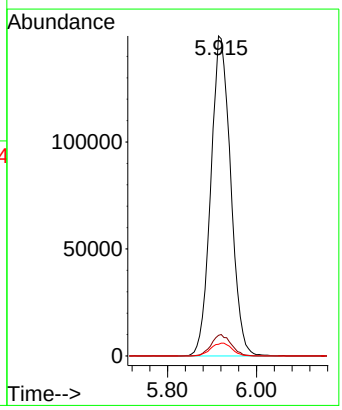


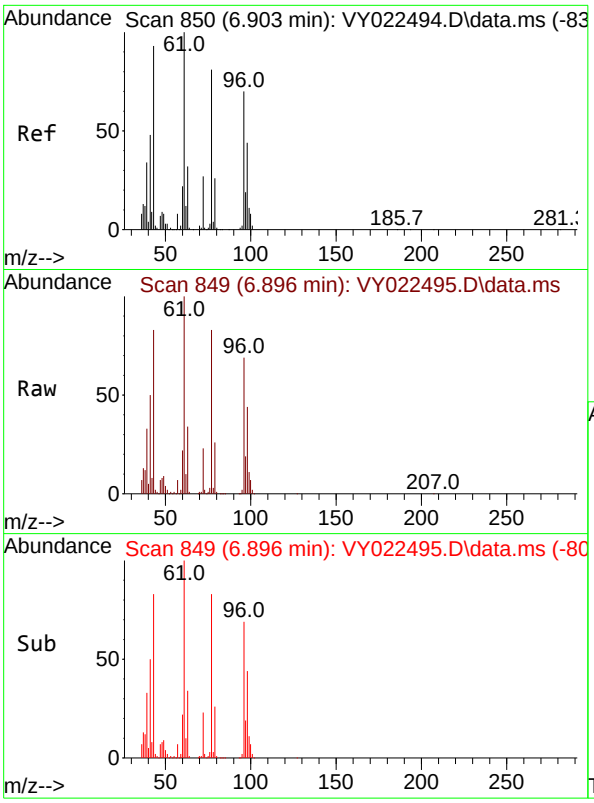


#24
1,1-Dichloroethane
Concen: 99.980 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 463641

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.7	2.1	6.3



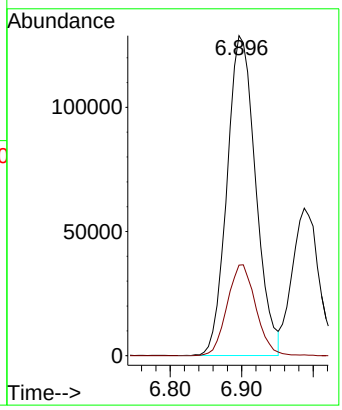


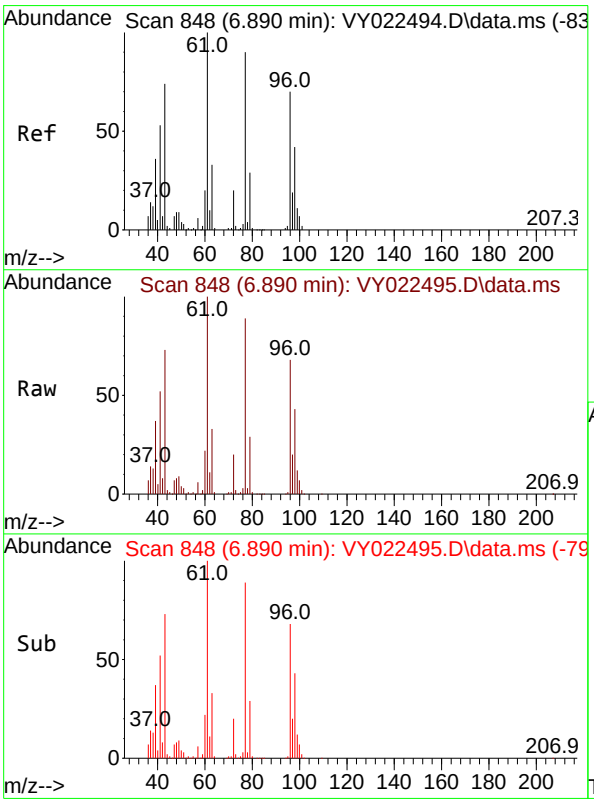
#25
2-Butanone
Concen: 512.798 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 358881

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

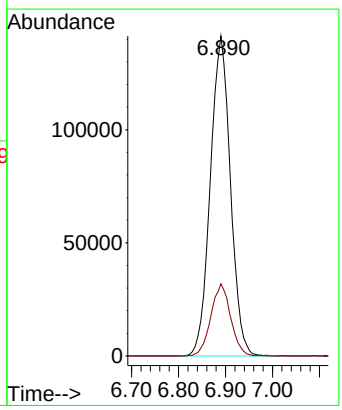


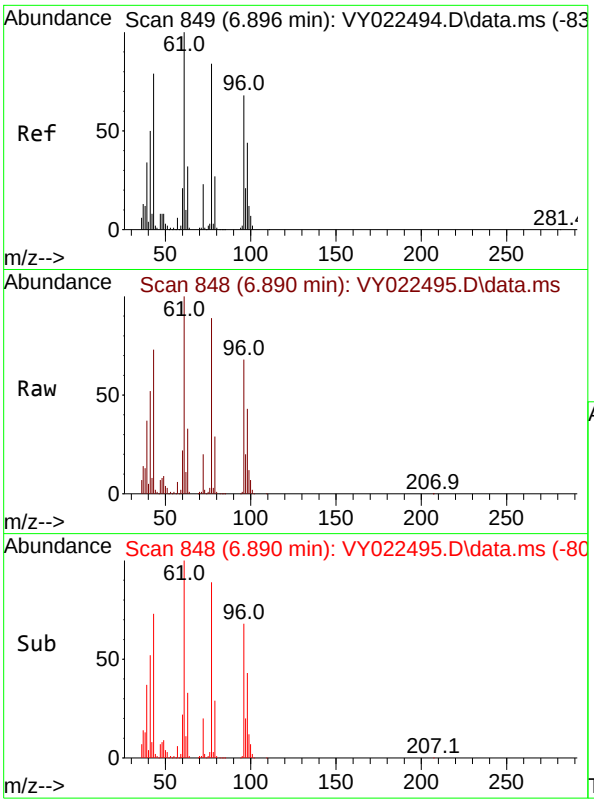


#26
2,2-Dichloropropane
Concen: 101.961 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 77 Resp: 420323

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2



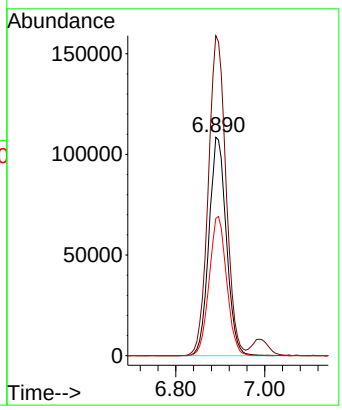


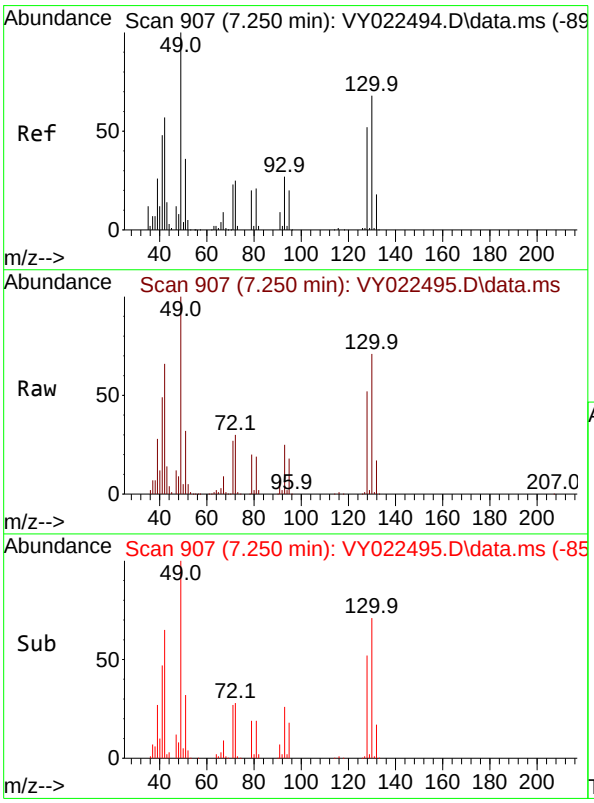
#27
cis-1,2-Dichloroethene
Concen: 100.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 294837

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	290.0
98	64.1	0.0	128.4

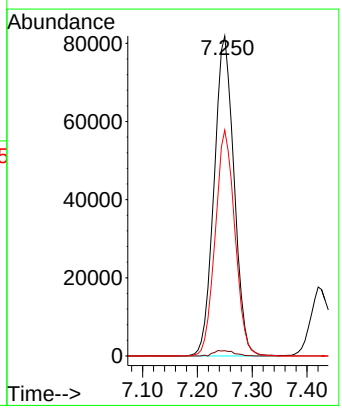


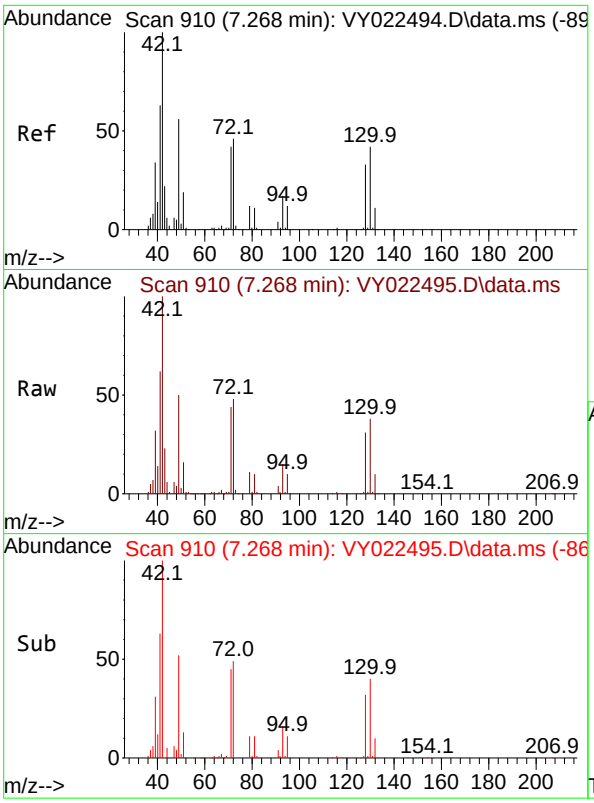


#28
Bromochloromethane
Concen: 103.263 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 49 Resp: 206906

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.7	55.7	83.5



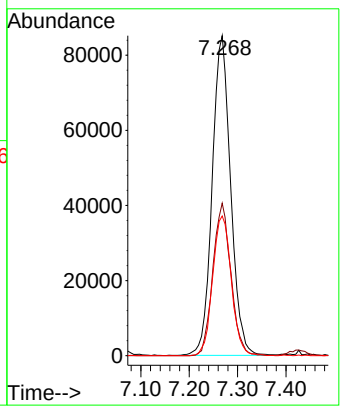


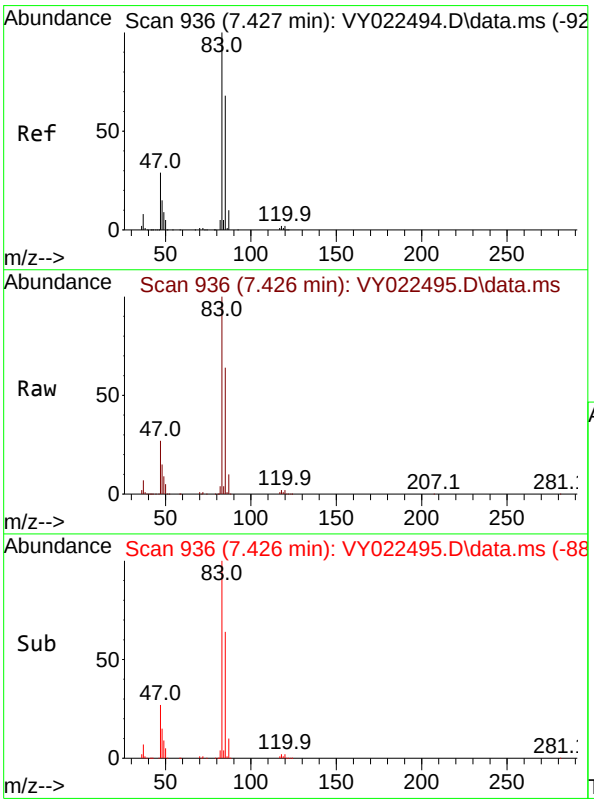
#29
Tetrahydrofuran
Concen: 501.243 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 226299

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	44.1	34.2	51.2

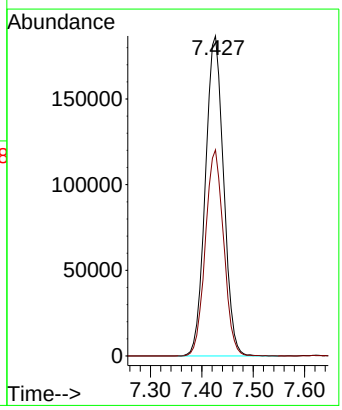


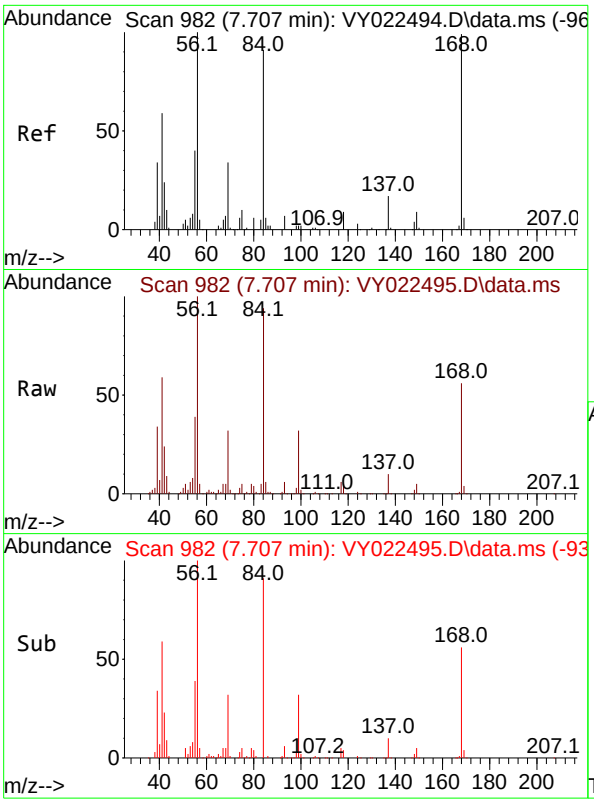


#30
Chloroform
Concen: 100.373 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 459957

Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4



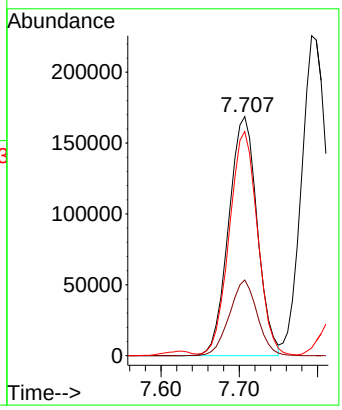


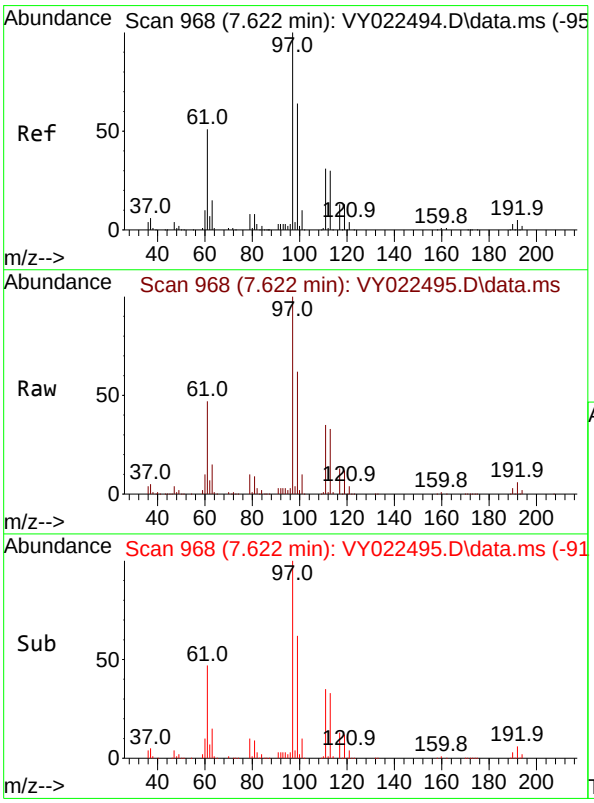
#31
Cyclohexane
Concen: 91.723 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 428074

Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.0	40.6
84	91.9	72.6	109.0

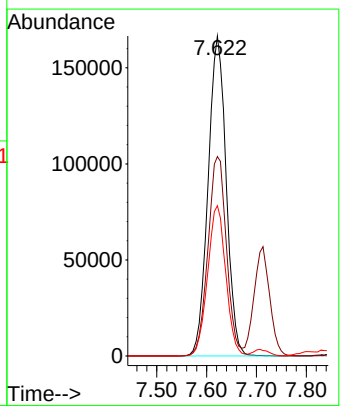


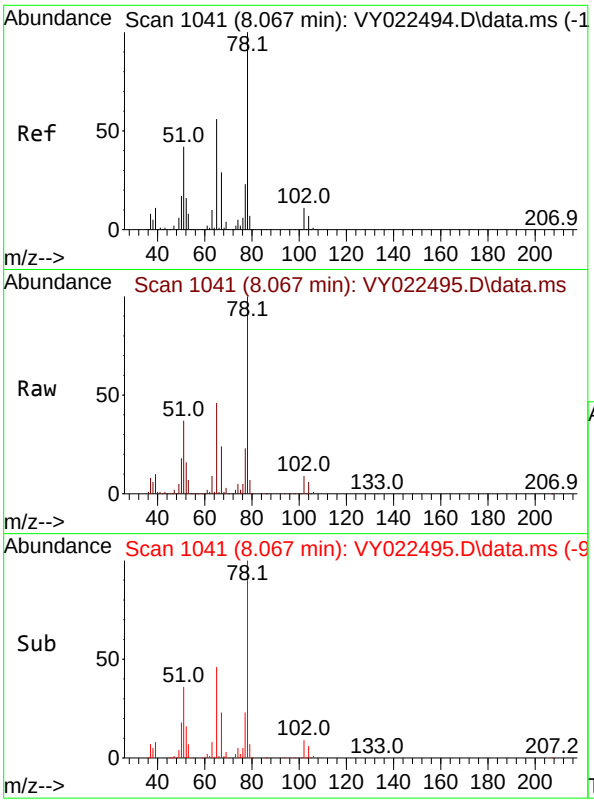


#32
1,1,1-Trichloroethane
Concen: 102.410 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 419389

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	47.3	38.5	57.7



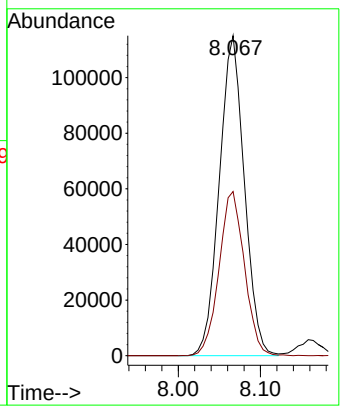


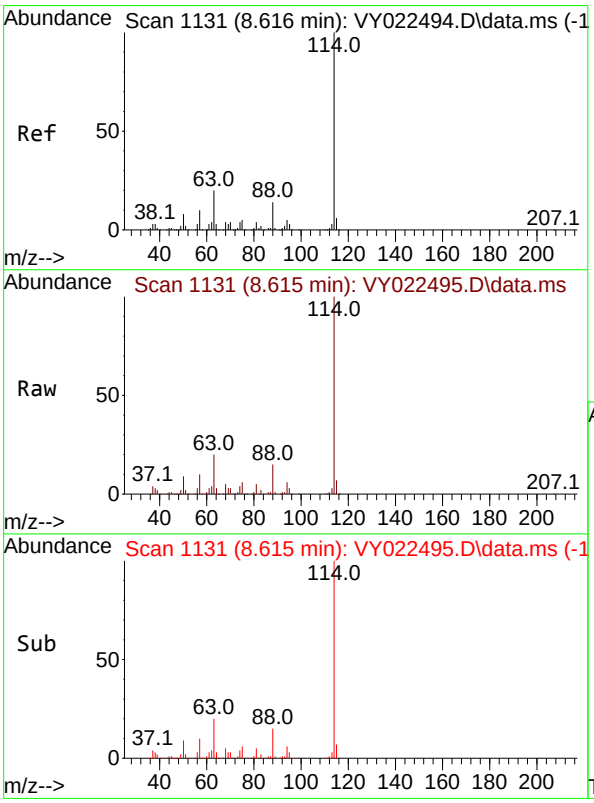
#33
1,2-Dichloroethane-d4
Concen: 101.553 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 243724

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

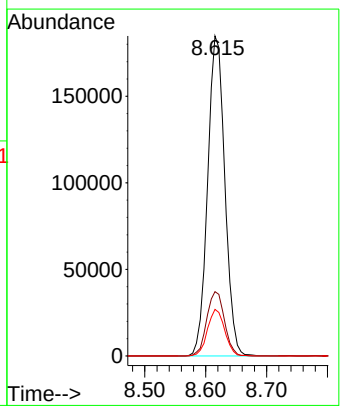


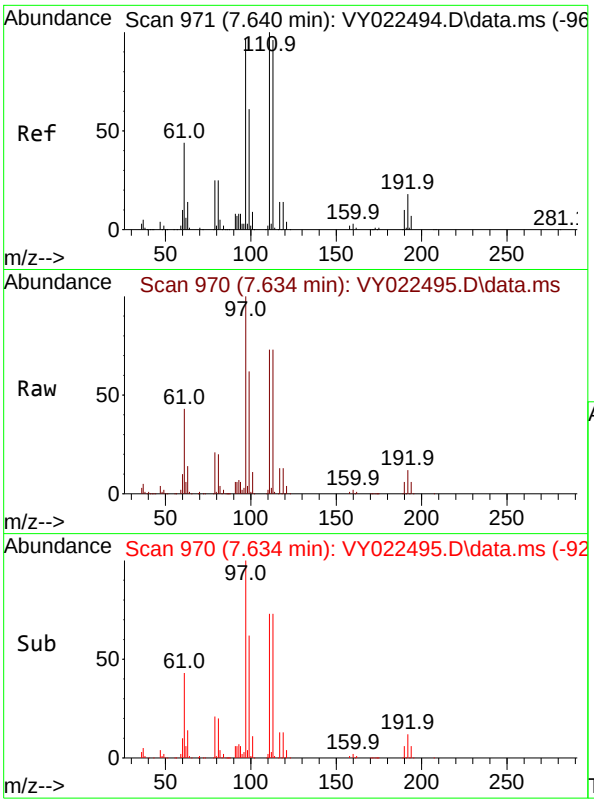


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:114 Resp: 362519

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.5	0.0	27.8



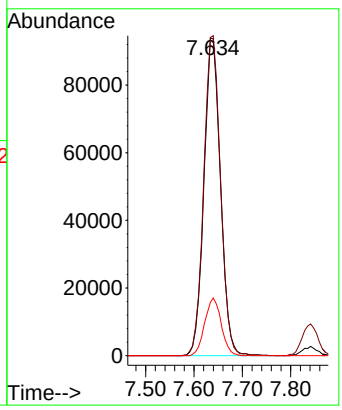


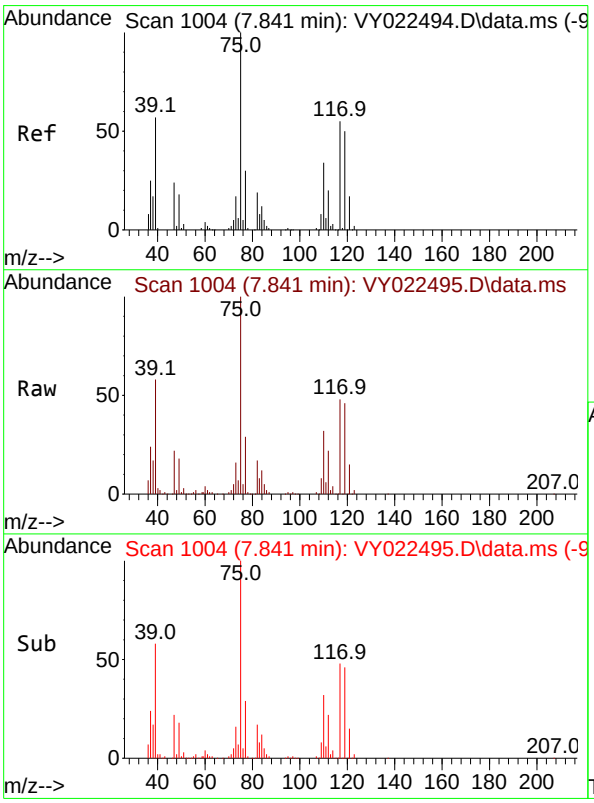
#35
Dibromofluoromethane
Concen: 104.234 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 222443

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	18.2	14.2	21.2

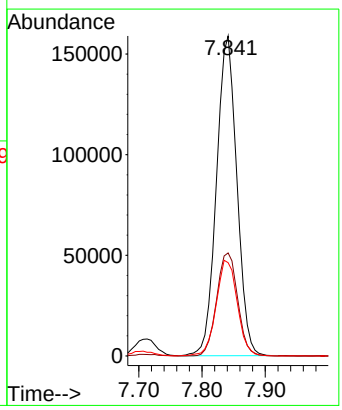


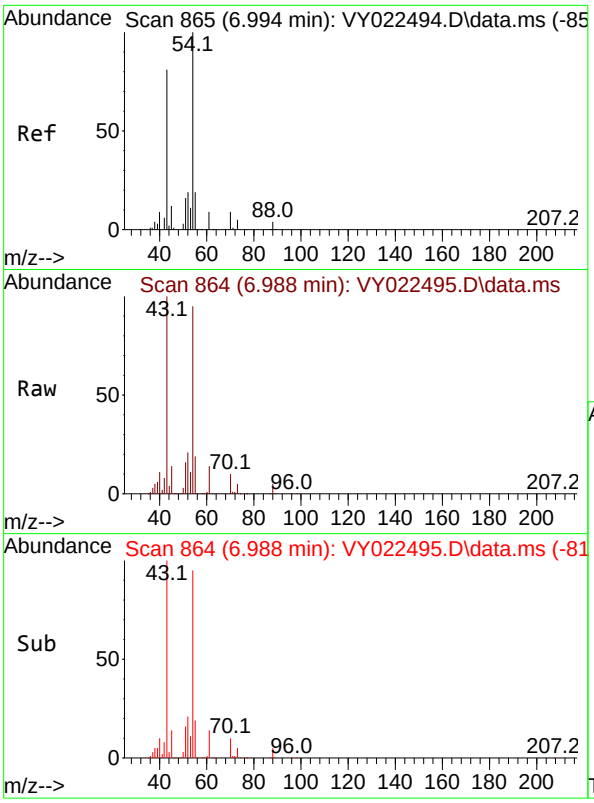


#36
1,1-Dichloropropene
Concen: 103.070 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 355563

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.8	37.2



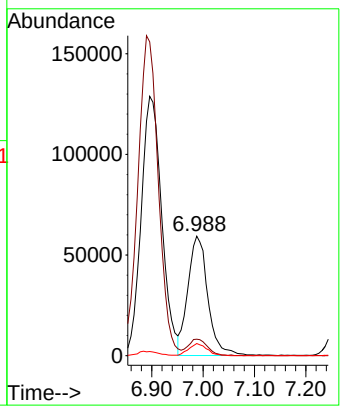


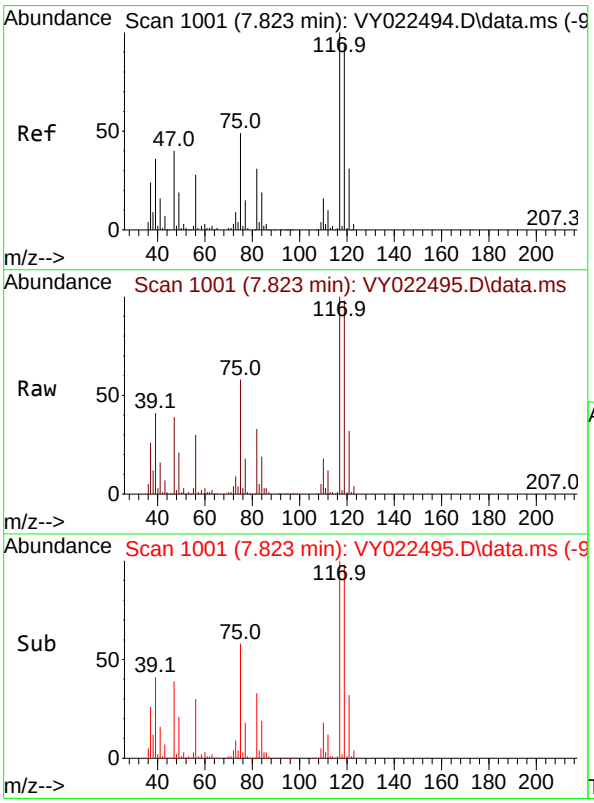
#37
Ethyl Acetate
Concen: 105.336 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 159922

Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.3	7.2	10.8

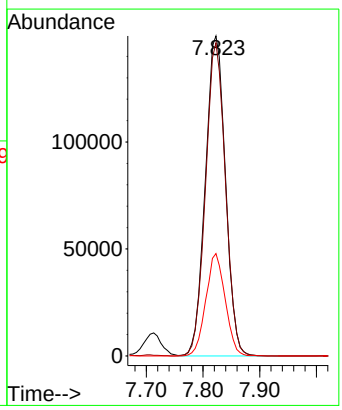


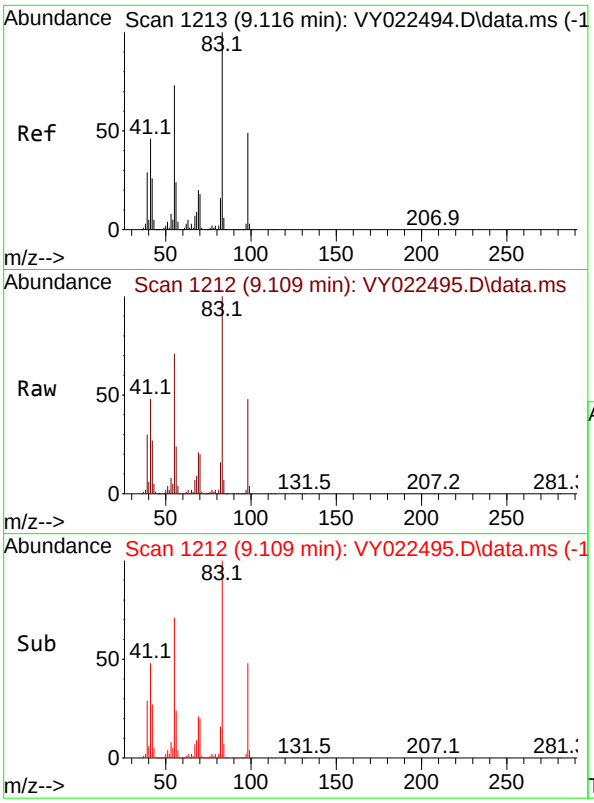


#38
Carbon Tetrachloride
Concen: 103.651 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 368617

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.6
121	32.0	25.0	37.4



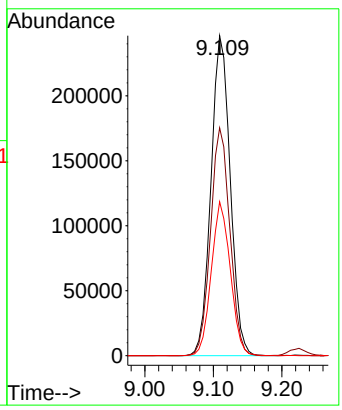


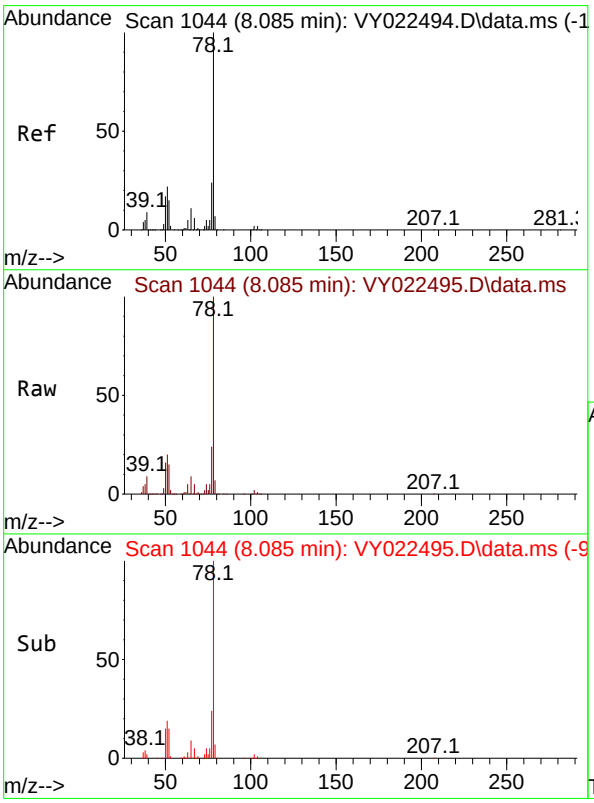
#39
Methylcyclohexane
Concen: 103.323 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 481512

Ion	Ratio	Lower	Upper
83	100		
55	71.2	58.1	87.1
98	48.1	39.0	58.6

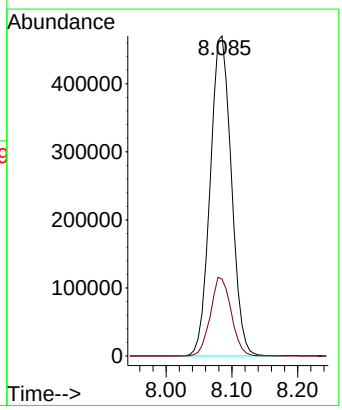


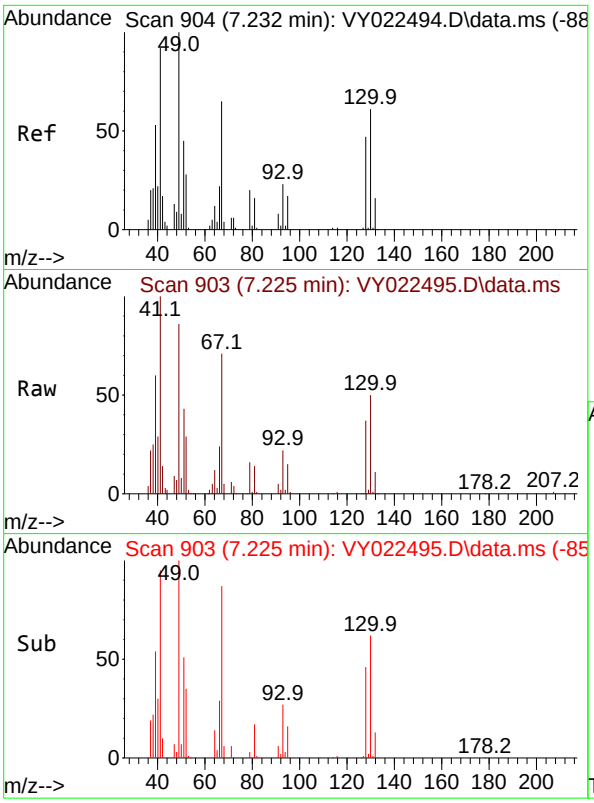


#40
Benzene
Concen: 103.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 78 Resp: 1052881

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



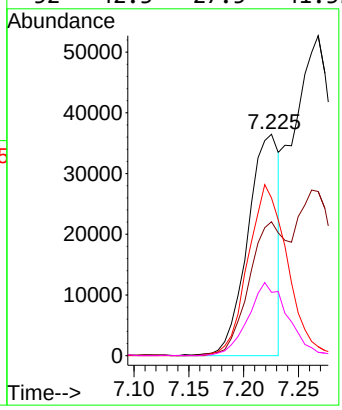


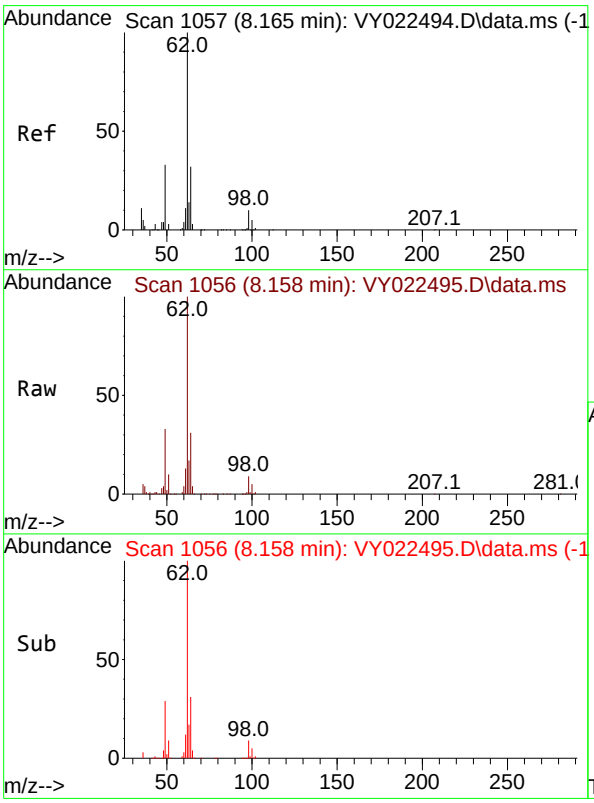
#41
Methacrylonitrile
Concen: 74.162 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 72513

Ion	Ratio	Lower	Upper
41	100		
39	77.5	46.6	69.8#
67	97.5	63.3	94.9#
52	42.3	27.5	41.3#

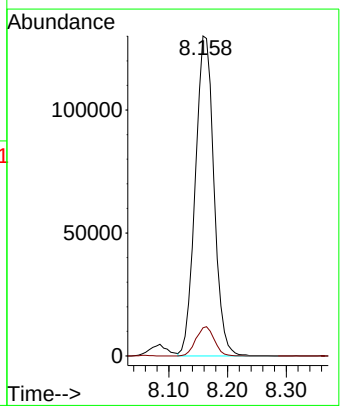


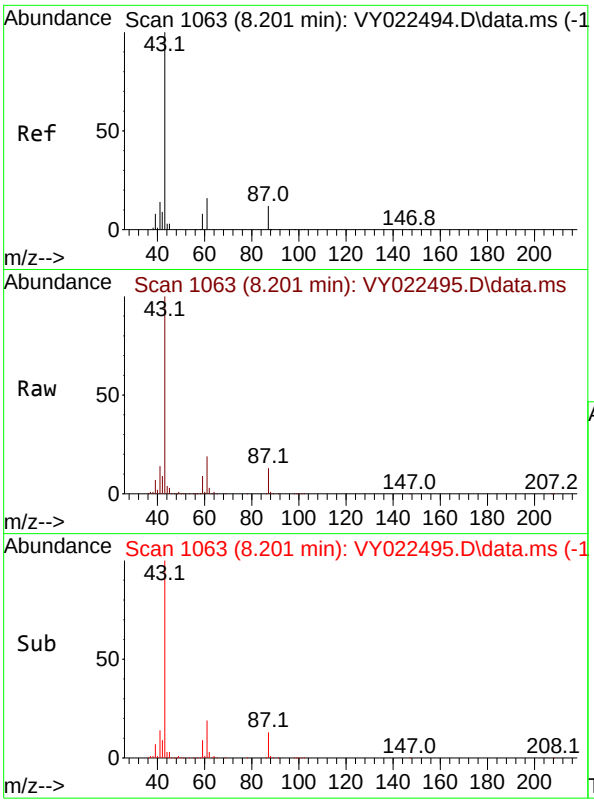


#42
1,2-Dichloroethane
Concen: 103.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 286305

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



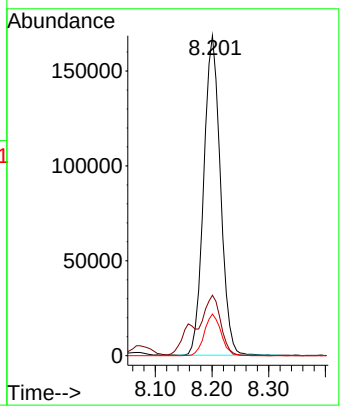


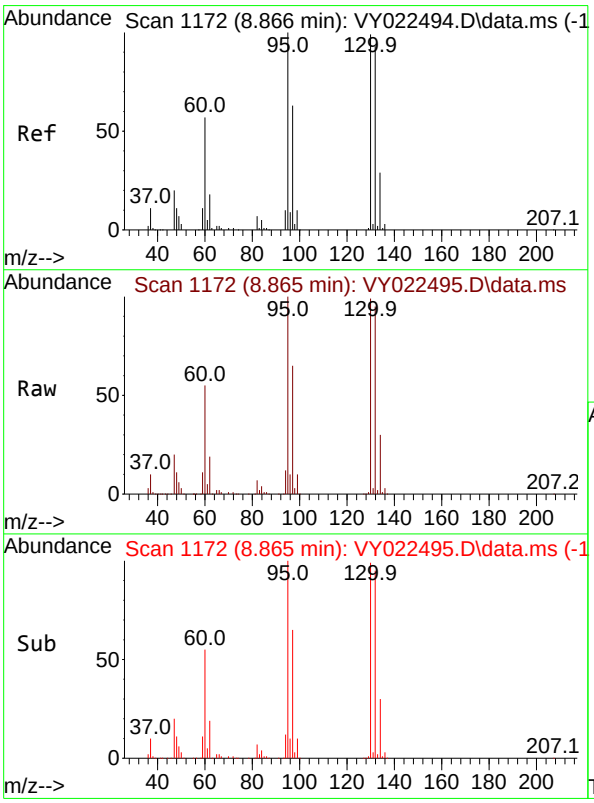
#43
Isopropyl Acetate
Concen: 103.721 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 344110

Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.6	23.4
87	13.0	10.2	15.4

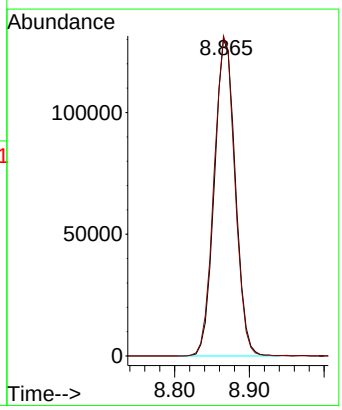


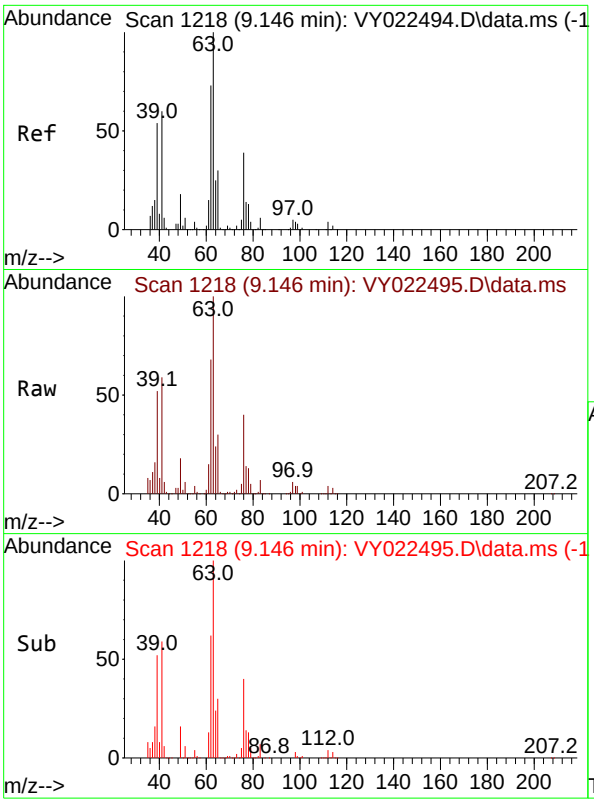


#44
Trichloroethene
Concen: 102.104 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:130 Resp: 253632

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.0



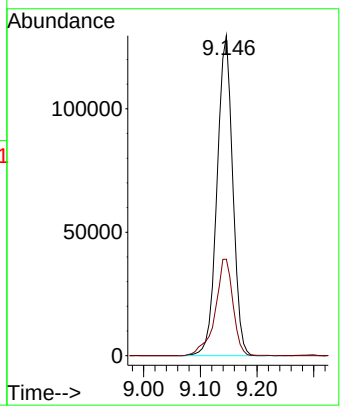


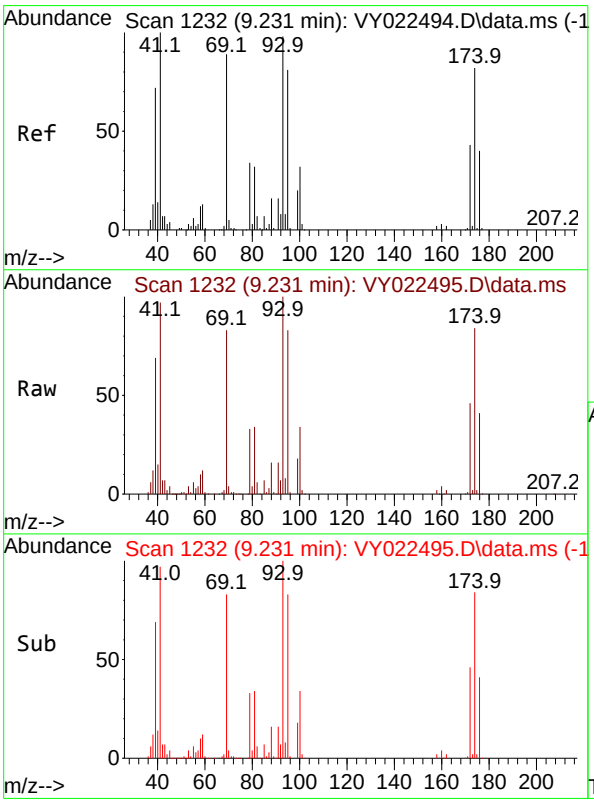
#45
1,2-Dichloropropane
Concen: 102.865 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 249363

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0

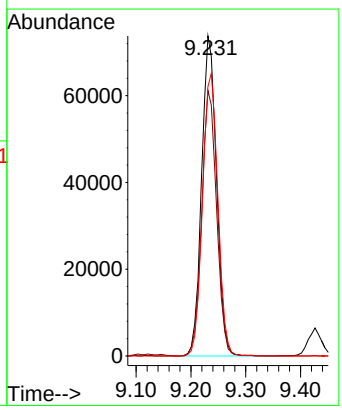


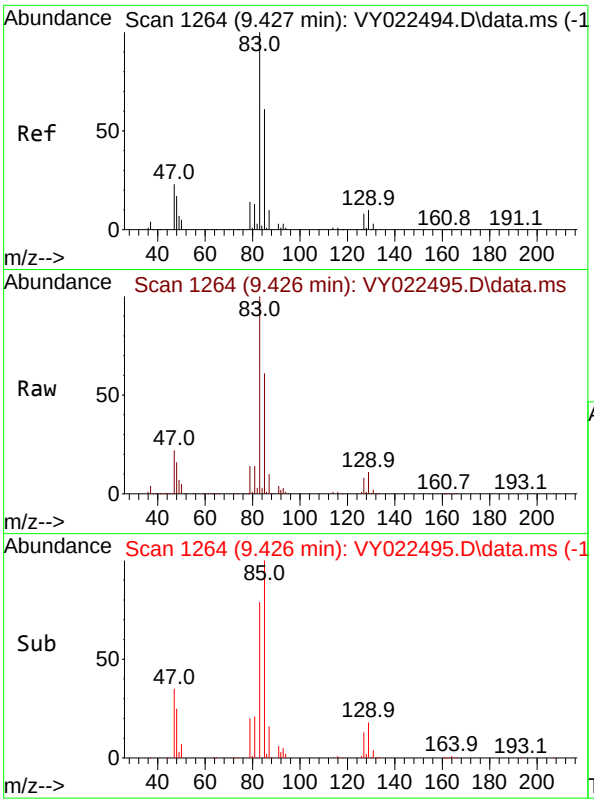


#46
Dibromomethane
Concen: 102.605 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 93 Resp: 139349

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	90.4	70.4	105.6



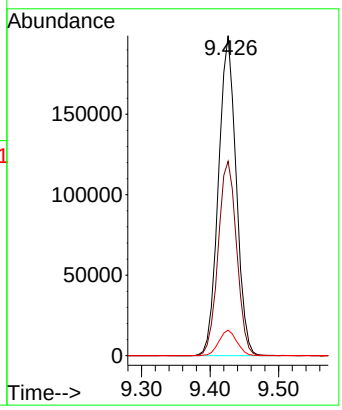


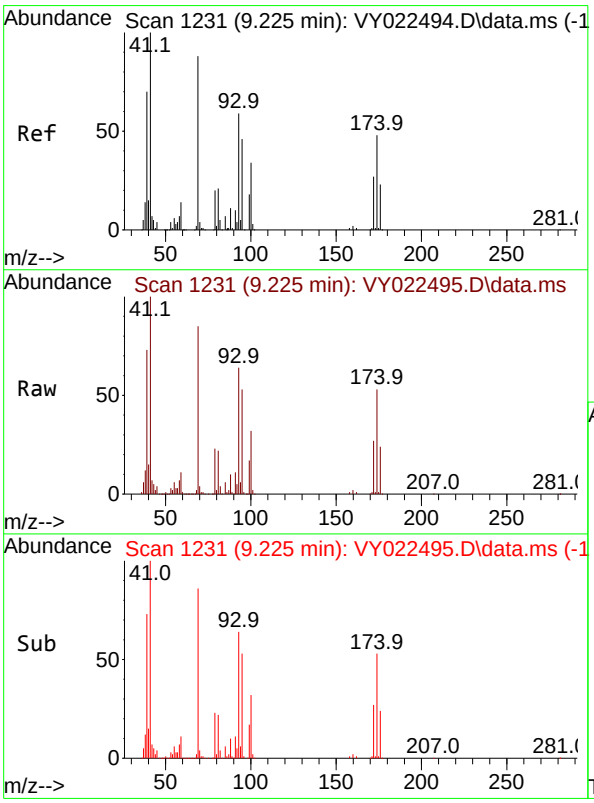
#47
Bromodichloromethane
Concen: 103.321 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 356025

Ion	Ratio	Lower	Upper
83	100		
85	60.7	49.1	73.7
127	8.0	6.2	9.4

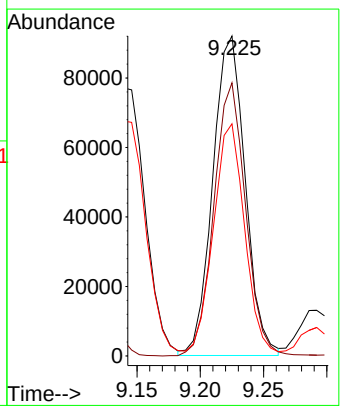


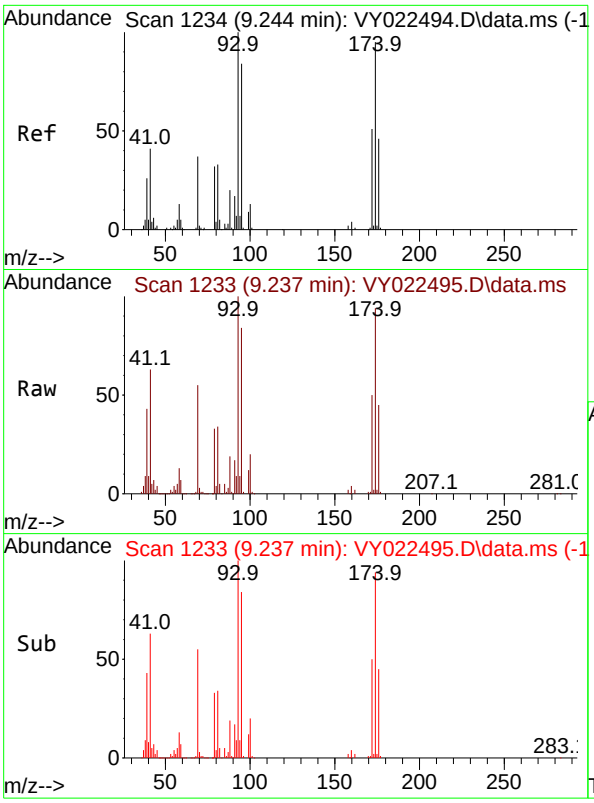


#48
Methyl methacrylate
Concen: 107.875 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 163867

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.8	101.8
39	68.0	55.0	82.4



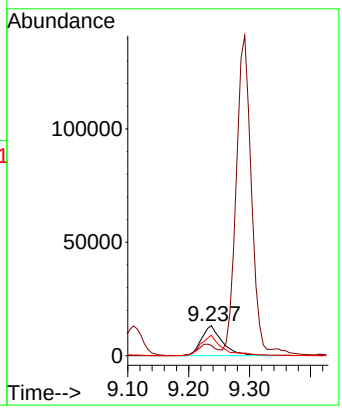


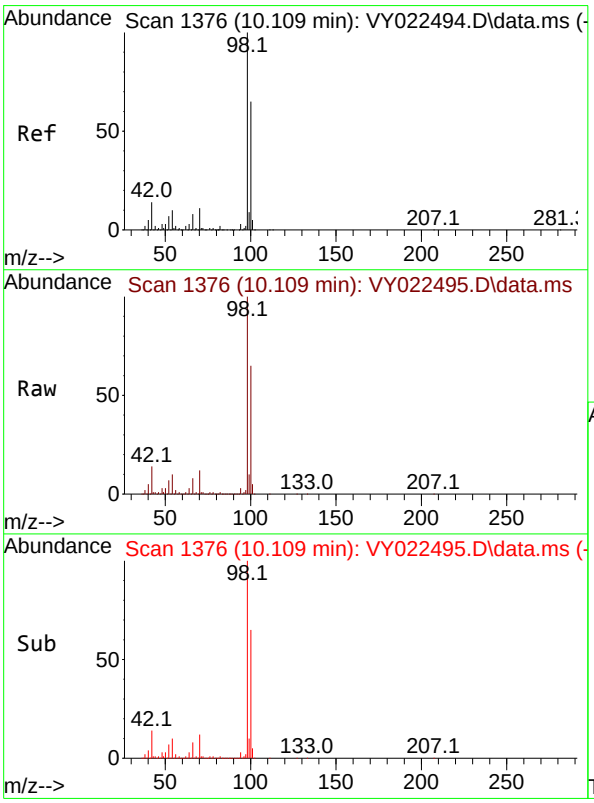
#49
1,4-Dioxane
Concen: 1955.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 31675

Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.4	38.2
58	69.1	54.9	82.3

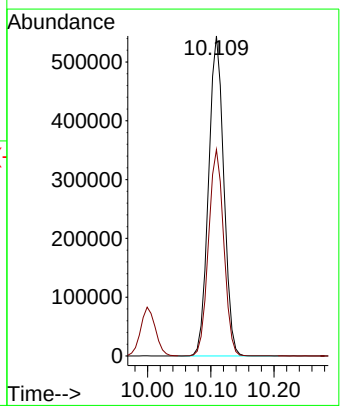


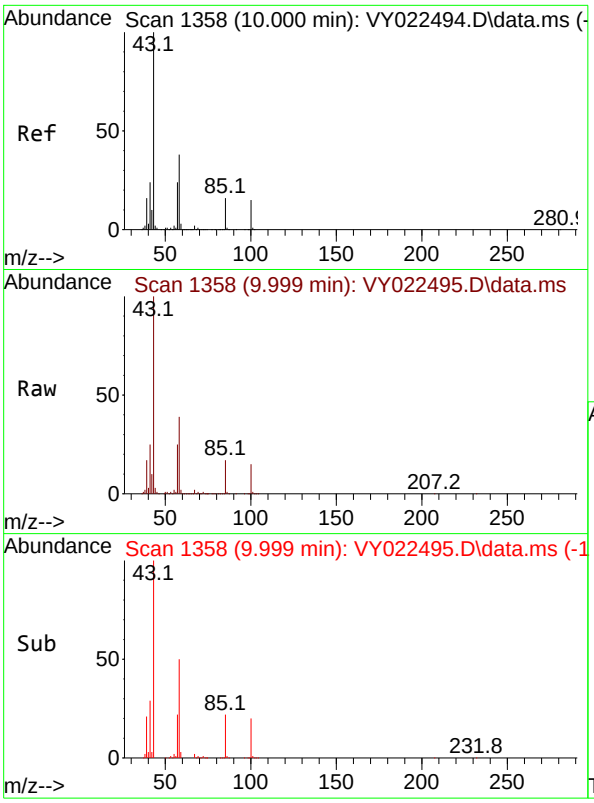


#50
Toluene-d8
Concen: 105.318 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 98 Resp: 908424

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



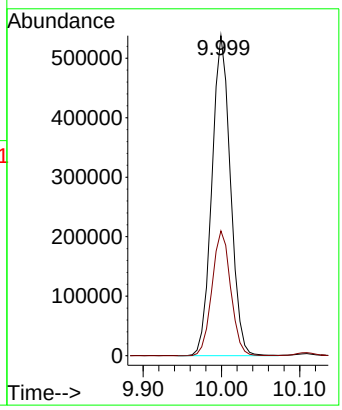


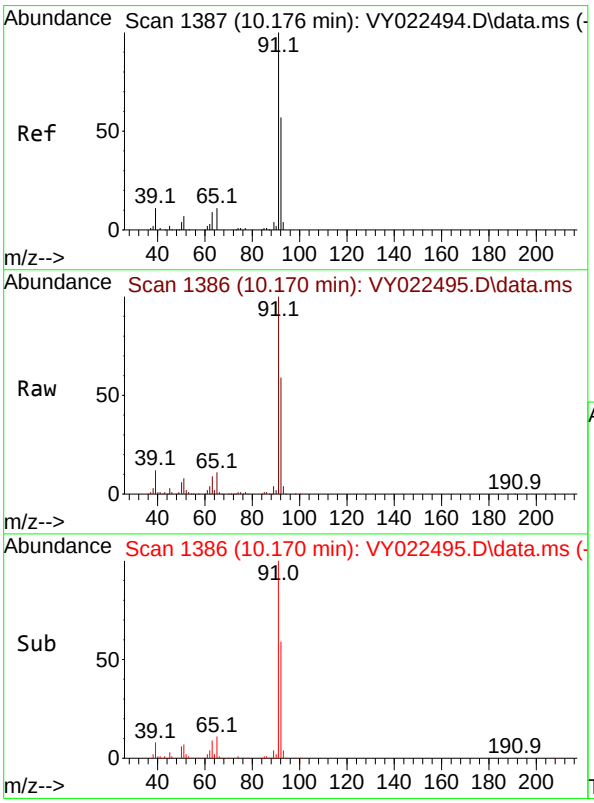
#51
4-Methyl-2-Pentanone
Concen: 537.390 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 884897

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

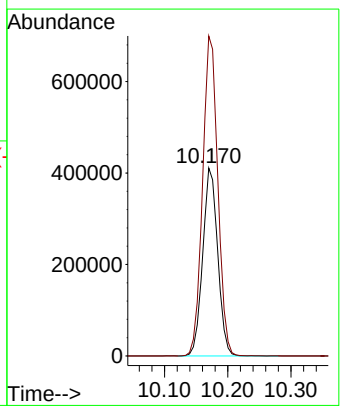


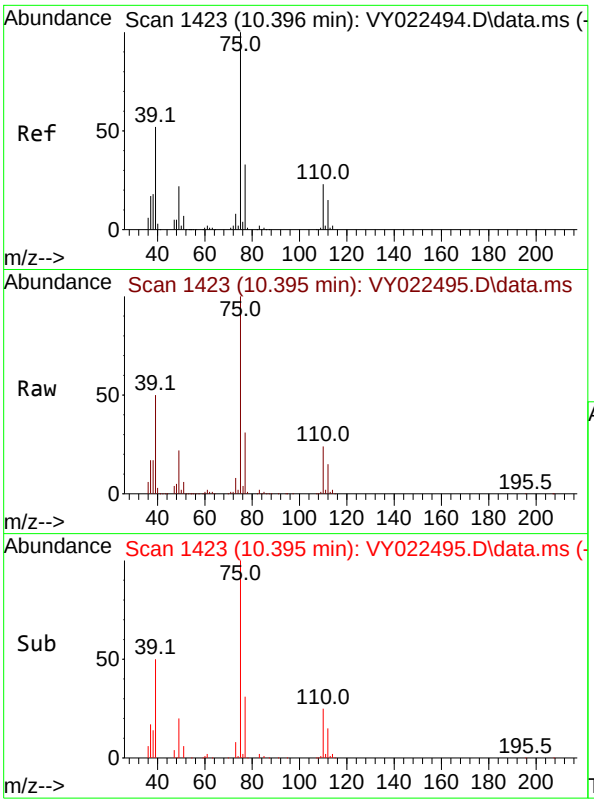


#52
Toluene
Concen: 105.821 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 92 Resp: 676554

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.0	208.4



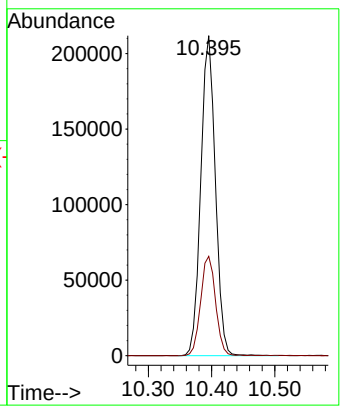


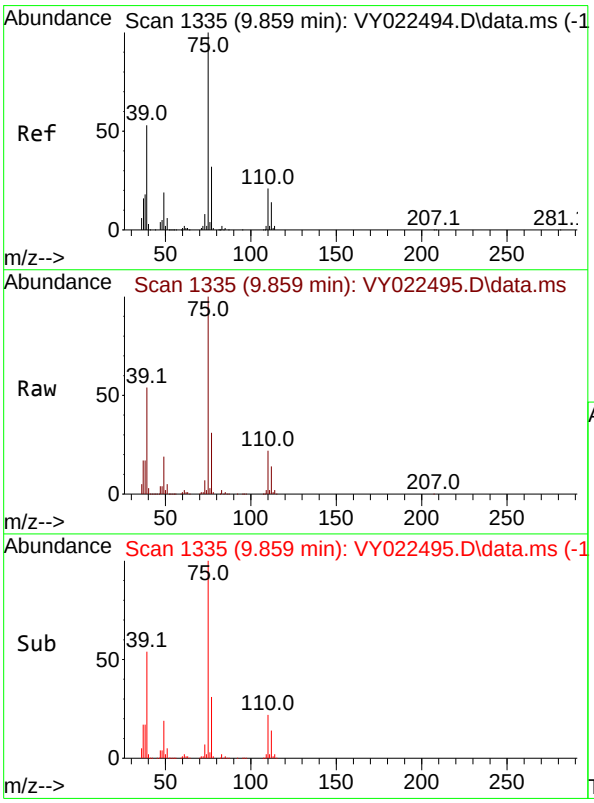
#53
t-1,3-Dichloropropene
Concen: 106.548 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 339647

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7

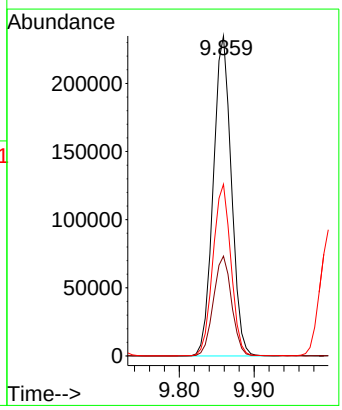


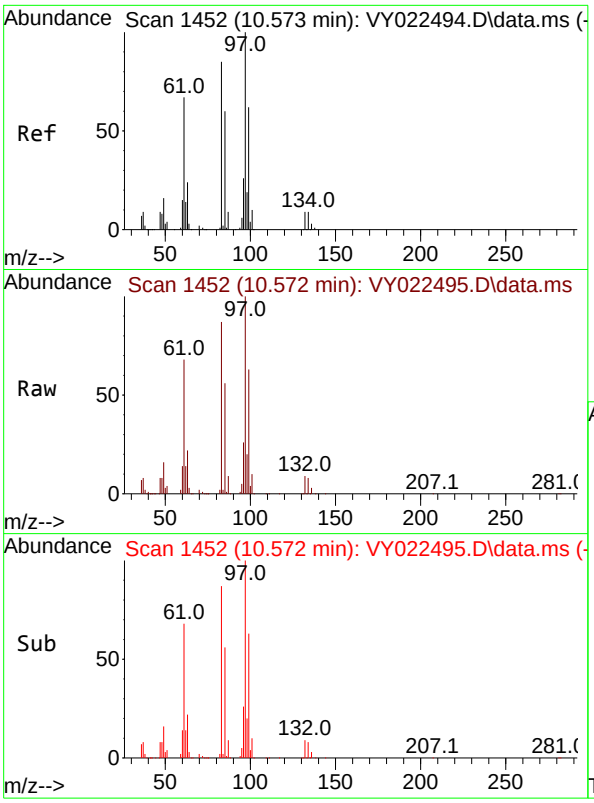


#54
cis-1,3-Dichloropropene
Concen: 105.579 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 394647

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	53.6	42.7	64.1



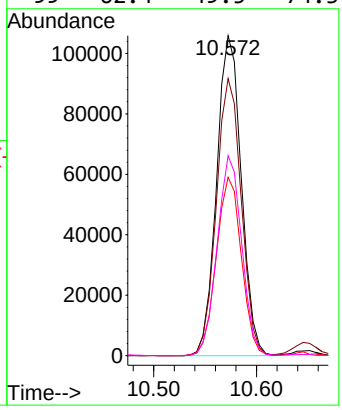


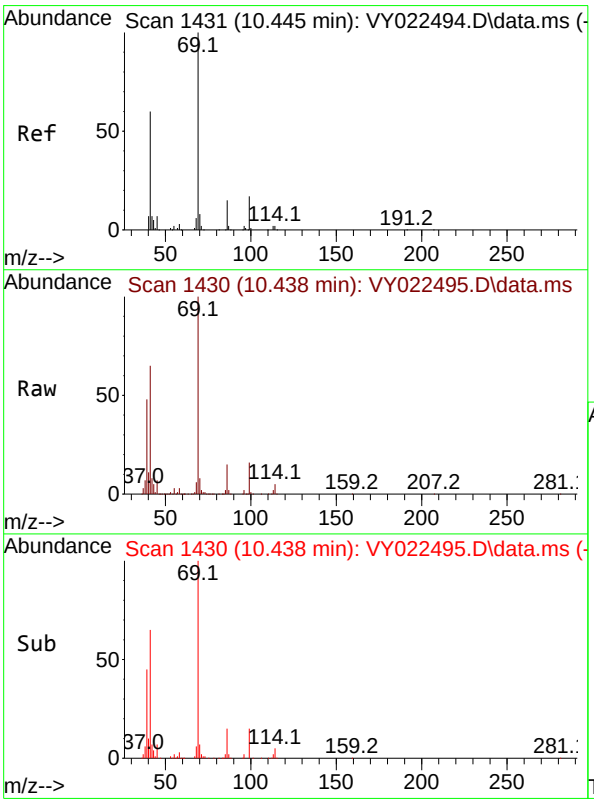
#55
1,1,2-Trichloroethane
Concen: 103.130 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 176386

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	48.2	72.2
99	62.4	49.5	74.3

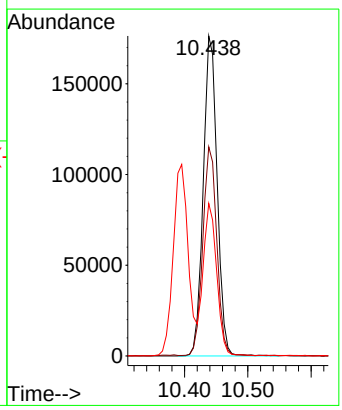


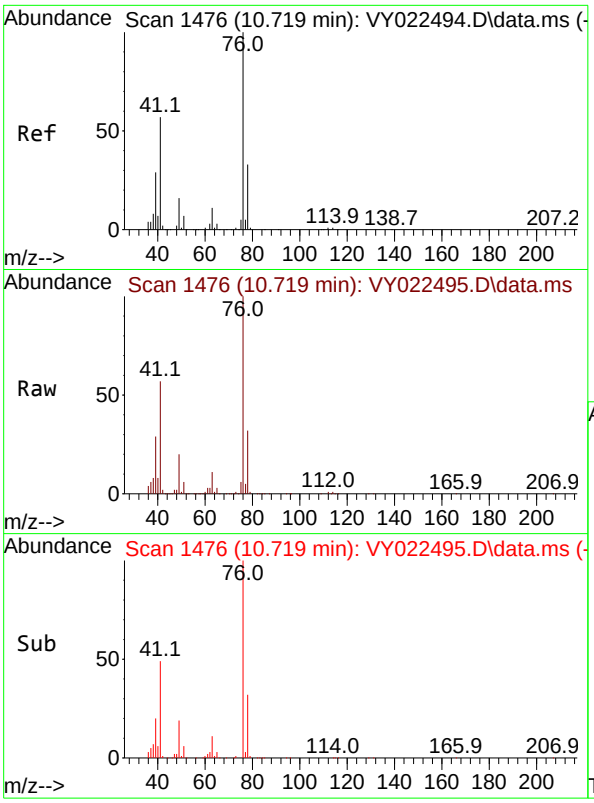


#56
Ethyl methacrylate
Concen: 108.807 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 69 Resp: 270253

Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	45.6	36.7	55.1



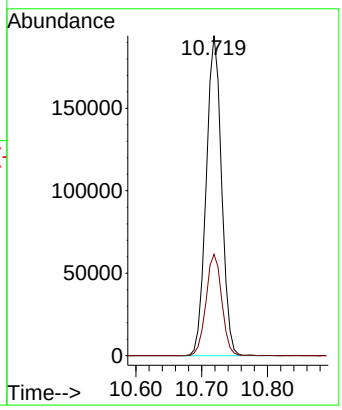


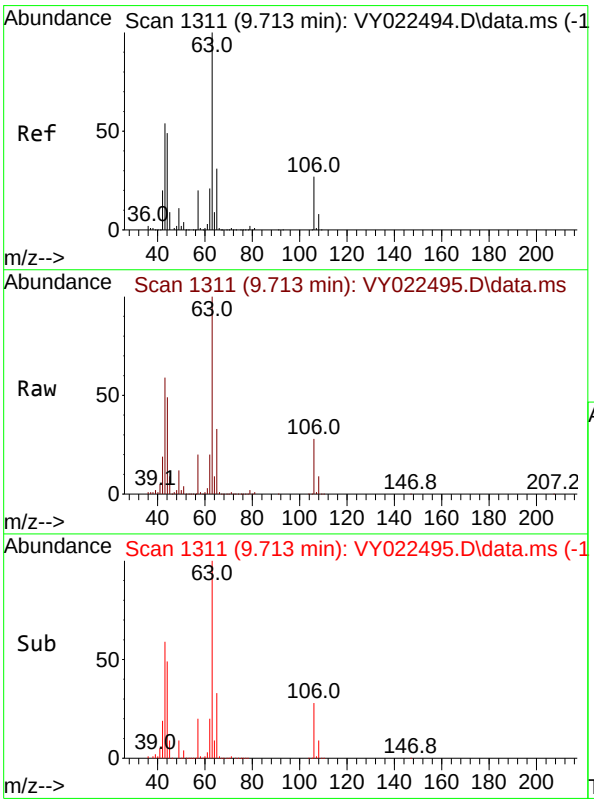
#57
1,3-Dichloropropane
Concen: 103.374 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 314882

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

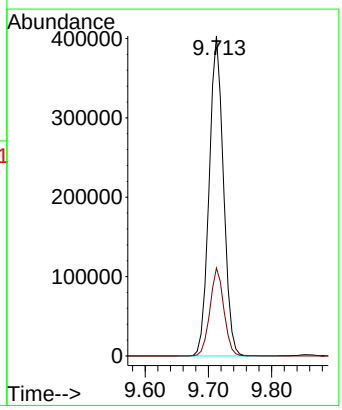


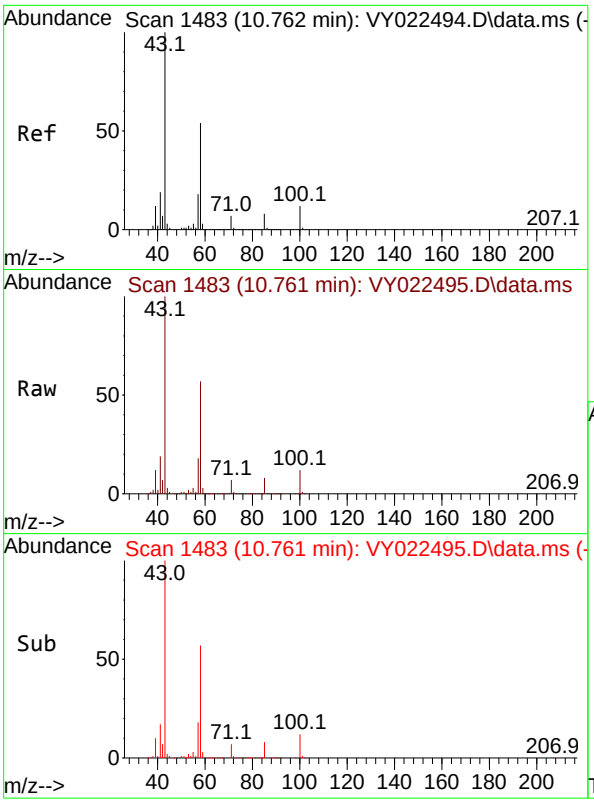


#58
2-Chloroethyl Vinyl ether
Concen: 570.744 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 631985

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4



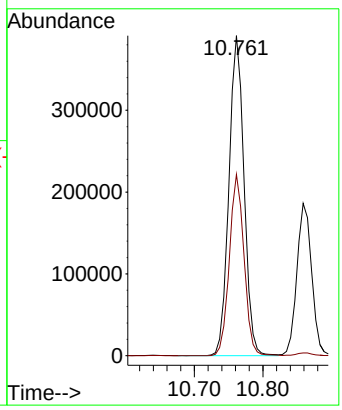


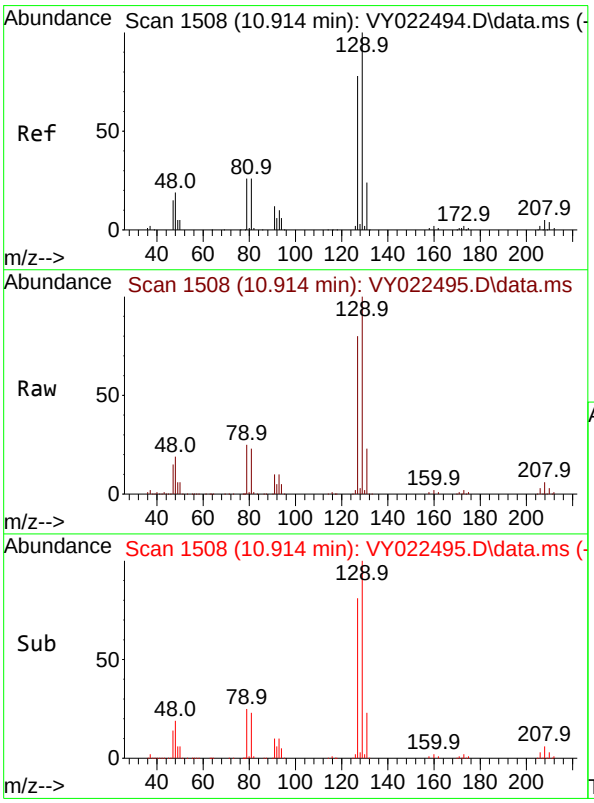
#59
2-Hexanone
Concen: 546.025 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 599356

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

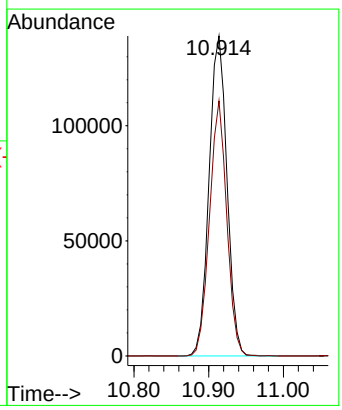


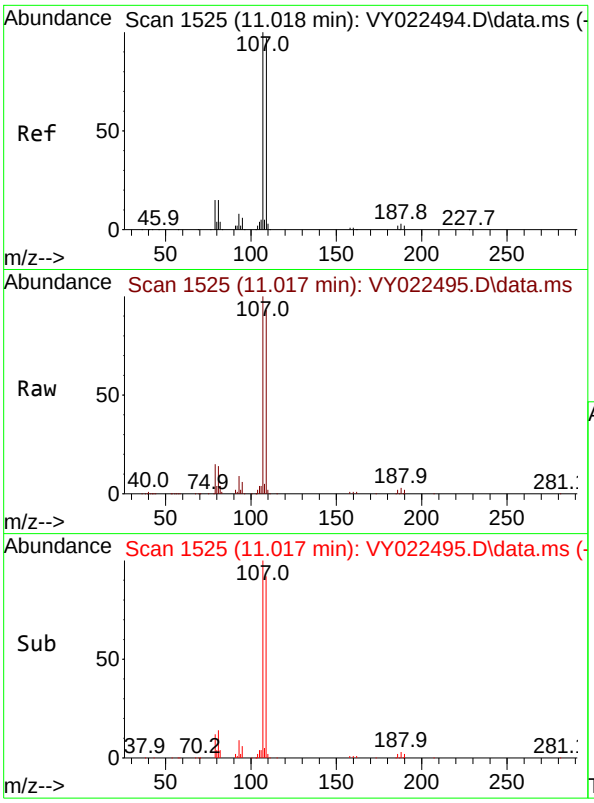


#60
Dibromochloromethane
Concen: 106.862 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:129 Resp: 231582

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2



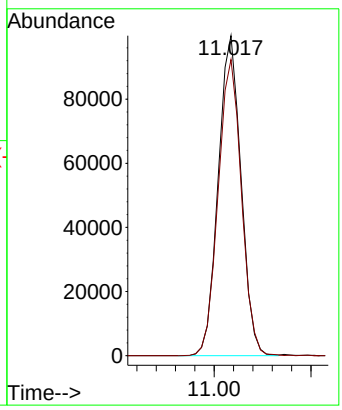


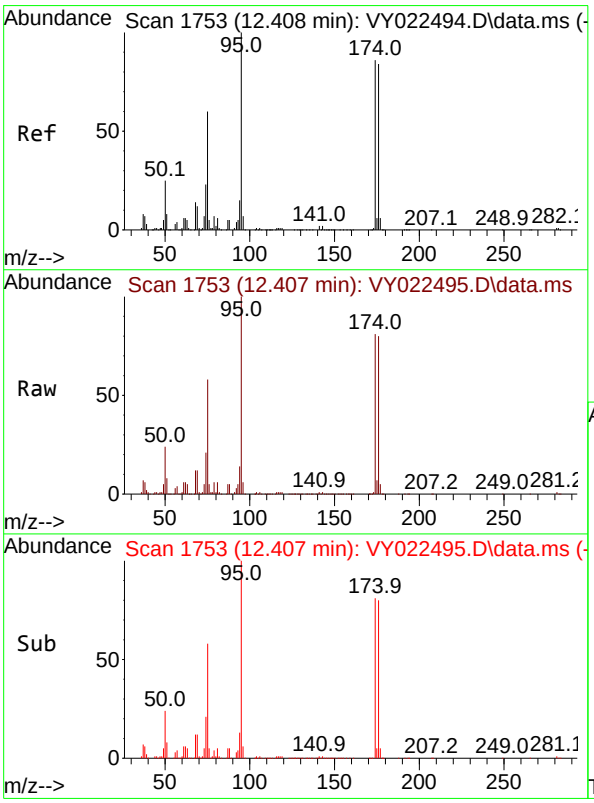
#61
1,2-Dibromoethane
Concen: 103.182 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 162846

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.7	116.5

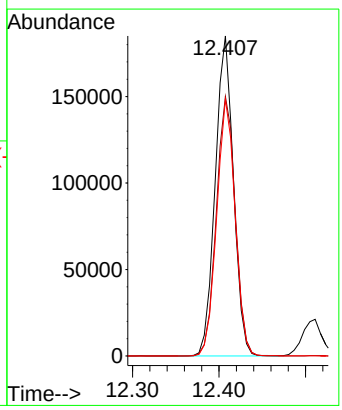


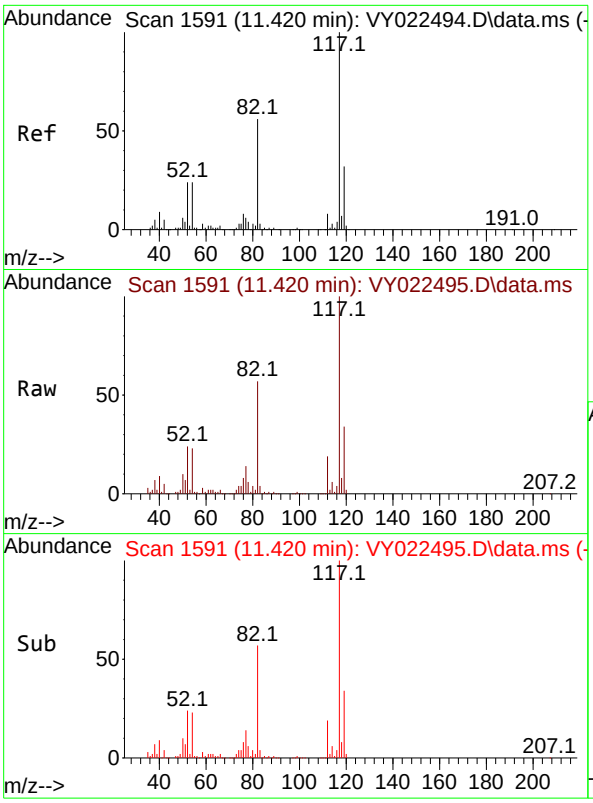


#62
4-Bromofluorobenzene
Concen: 103.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 95 Resp: 270310

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.0
176	80.8	0.0	166.2



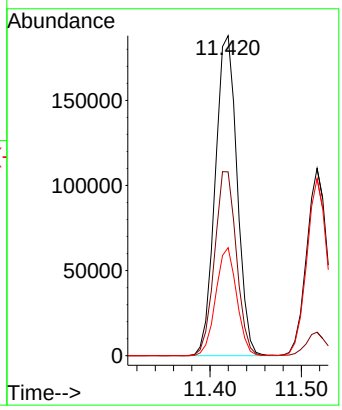


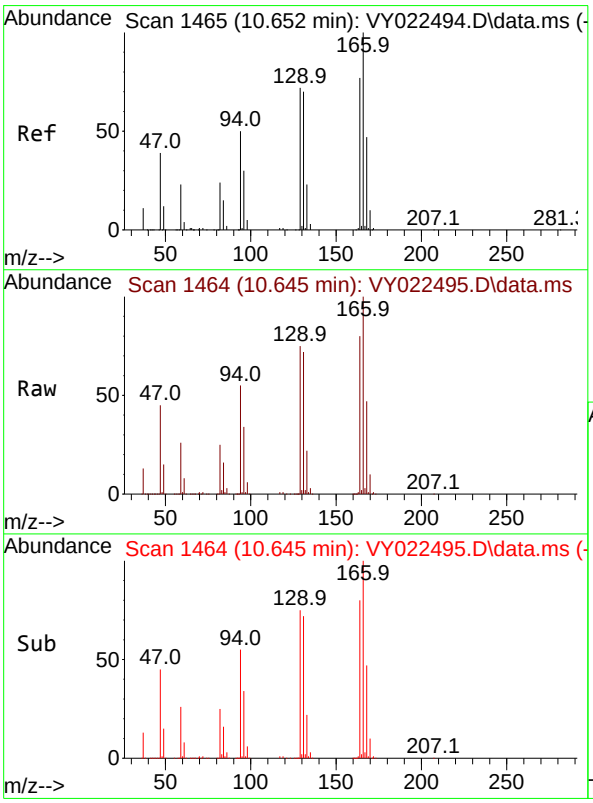
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 312741

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	33.8	25.4	38.0

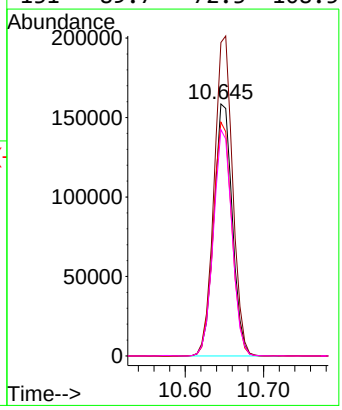


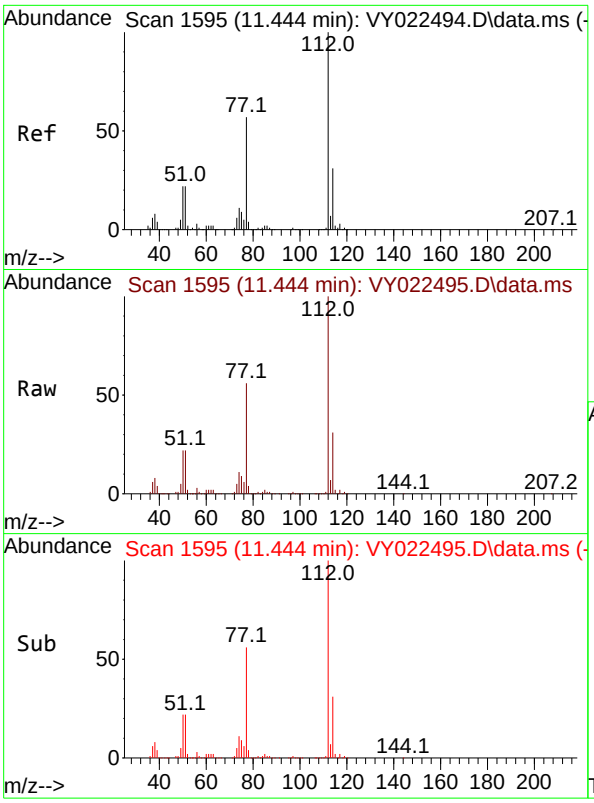


#64
Tetrachloroethene
Concen: 97.857 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:164 Resp: 260085

Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.0	156.0
129	92.8	74.5	111.7
131	89.7	72.3	108.5



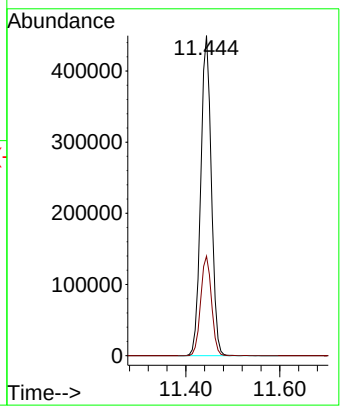


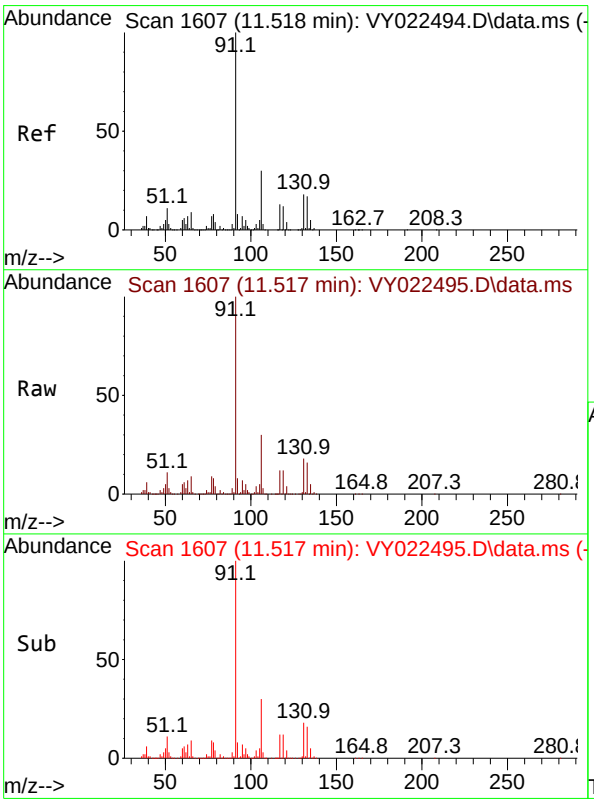
#65
Chlorobenzene
Concen: 103.277 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 700365

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6

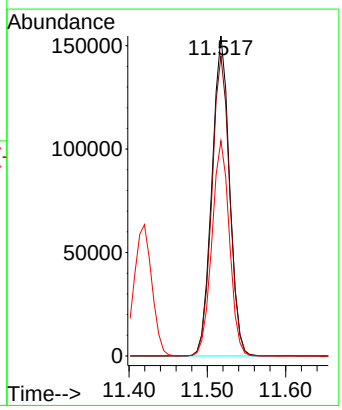


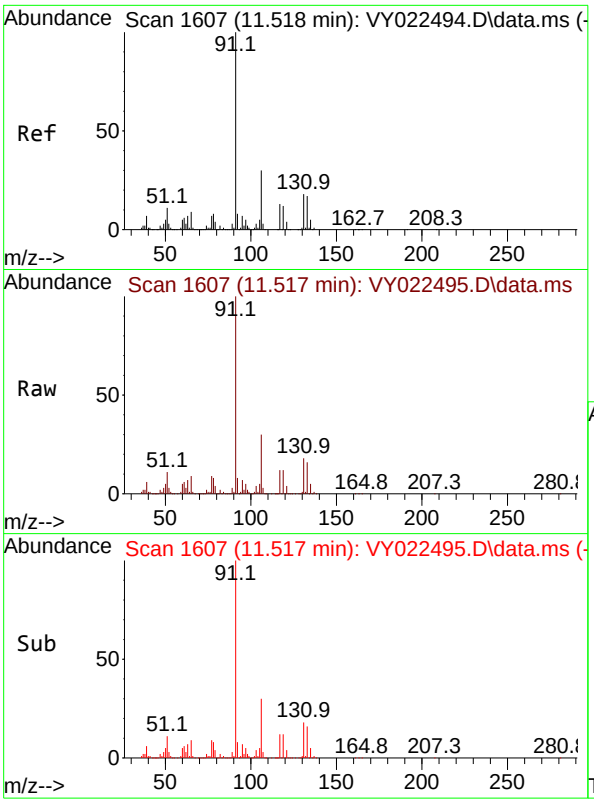


#66
1,1,1,2-Tetrachloroethane
Concen: 104.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:131 Resp: 241080

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.8
119	66.9	33.1	99.3



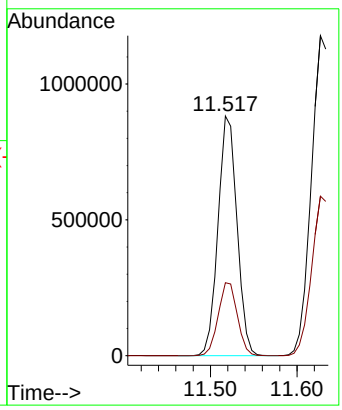


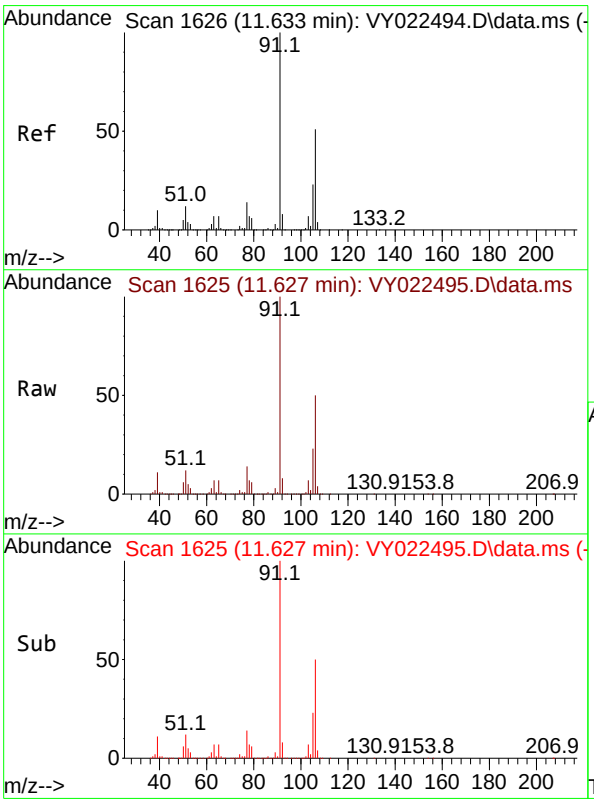
#67
Ethyl Benzene
Concen: 106.379 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1343424

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

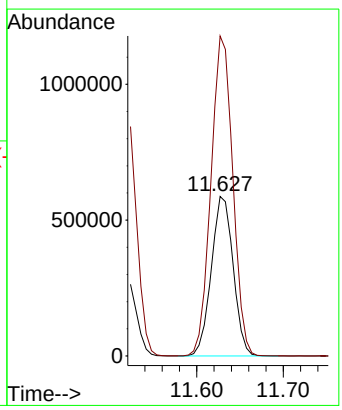


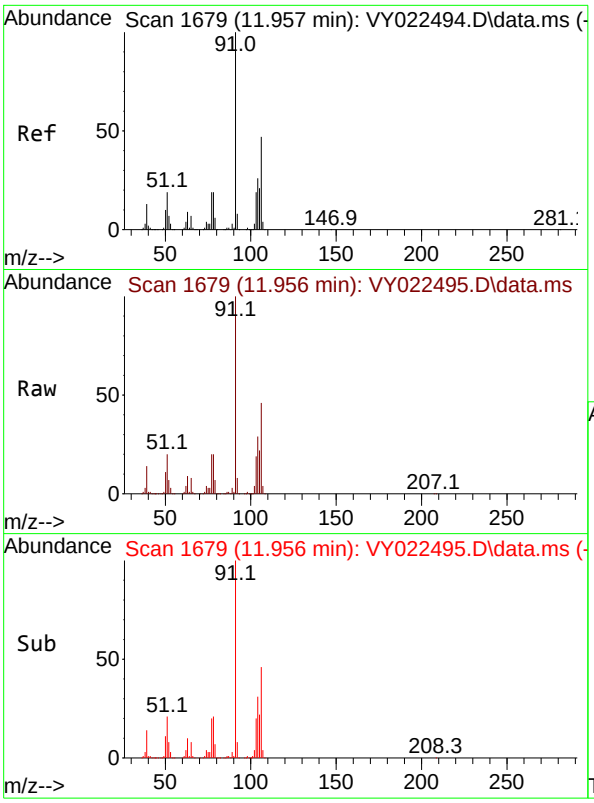


#68
m/p-Xylenes
Concen: 215.017 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 1027669

Ion	Ratio	Lower	Upper
106	100		
91	200.6	159.4	239.0



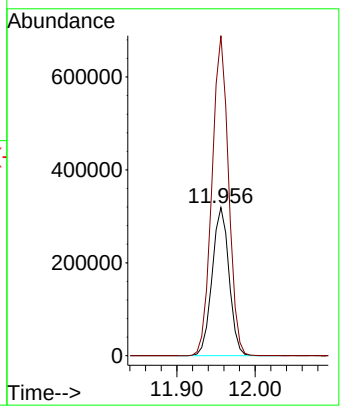


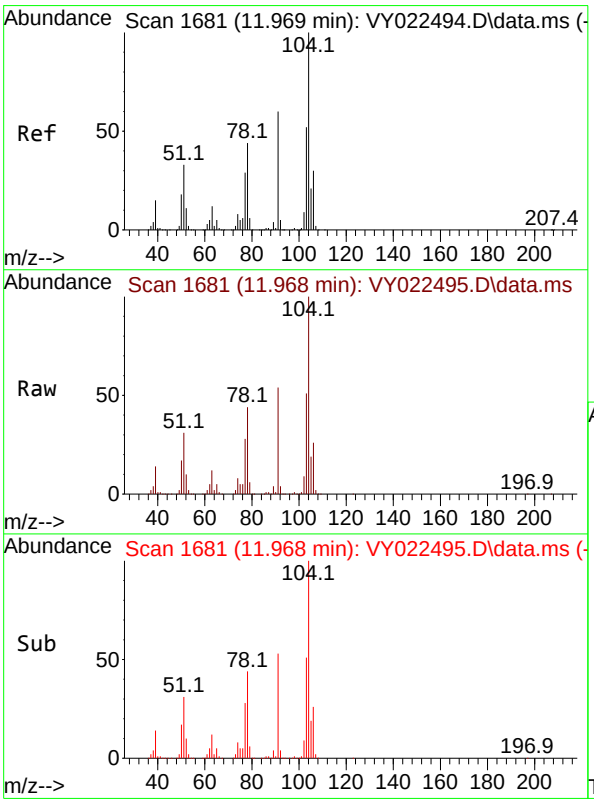
#69
o-Xylene
Concen: 106.884 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 478106

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

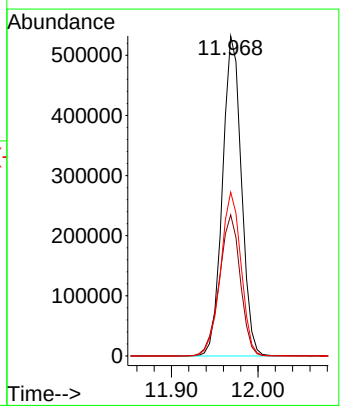


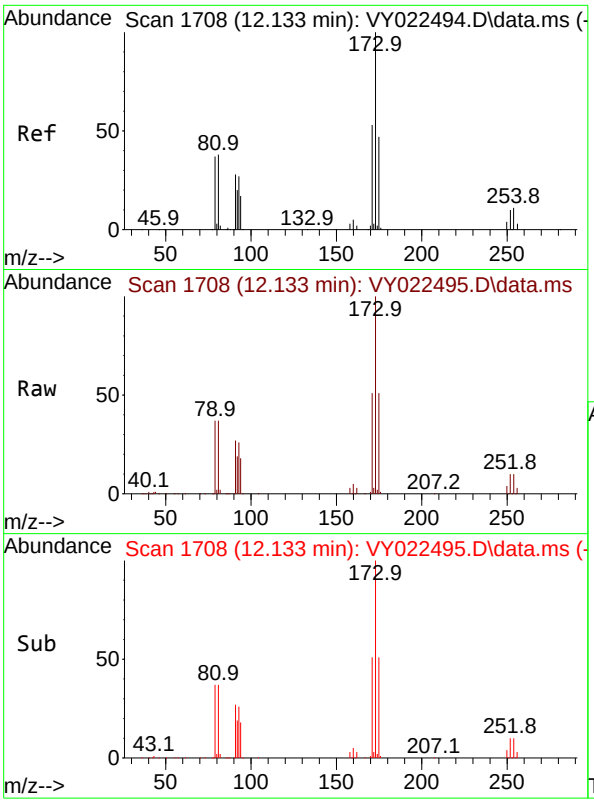


#70
Styrene
Concen: 109.011 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:104 Resp: 807331

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	55.3	44.1	66.1



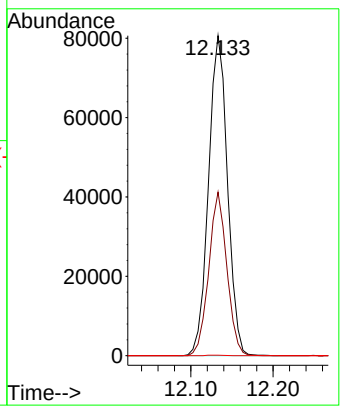


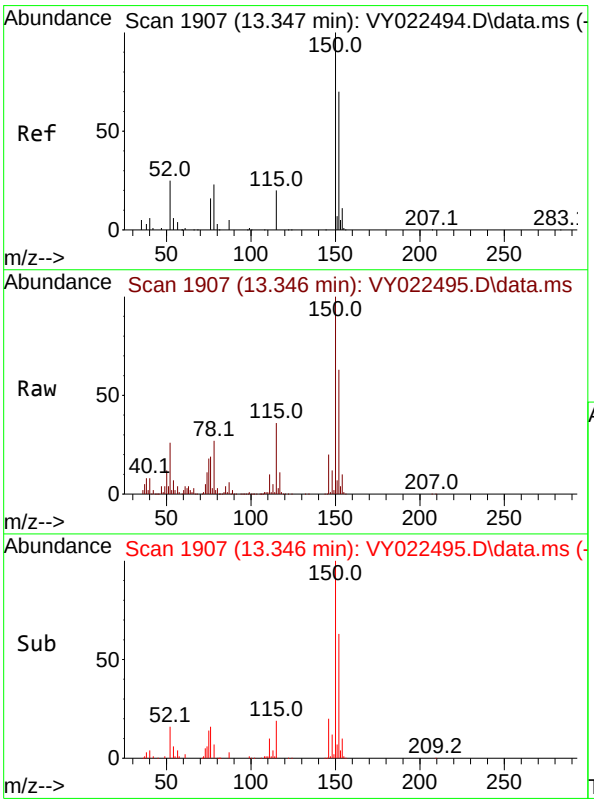
#71
Bromoform
Concen: 106.900 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 129134

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.5
254	0.2	0.0	0.0#

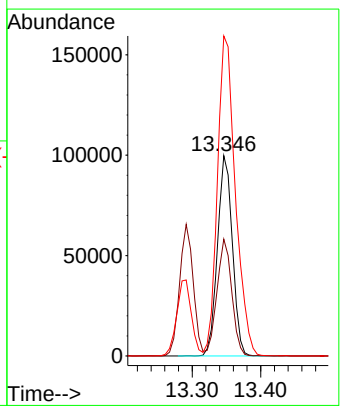


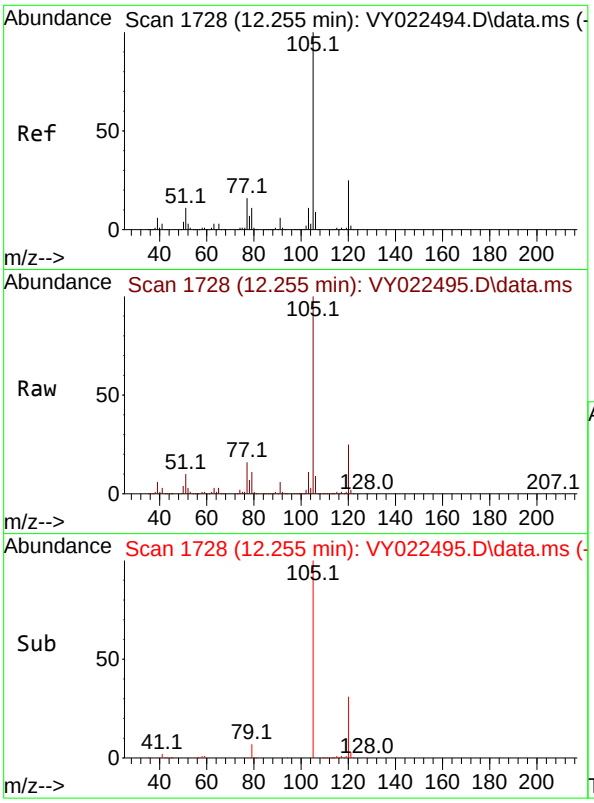


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:152 Resp: 150217

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	192.2	0.0	349.6



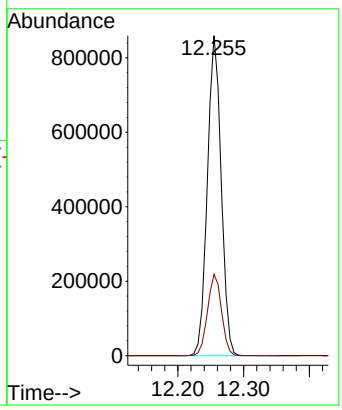


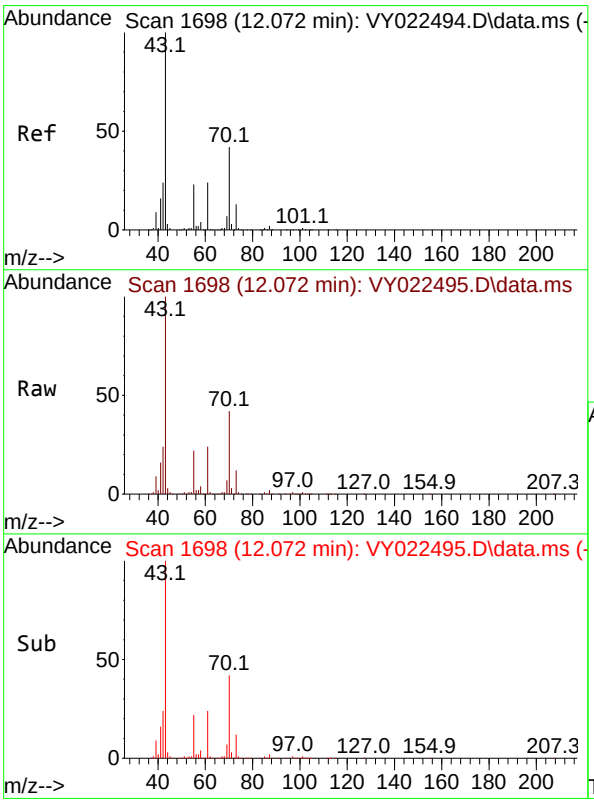
#73
Isopropylbenzene
Concen: 103.429 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1251781

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

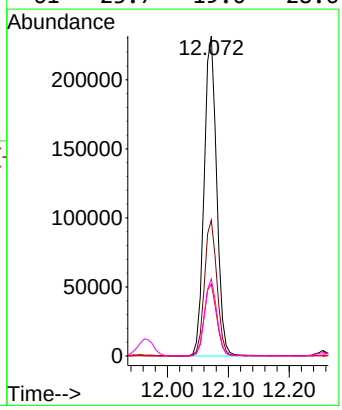


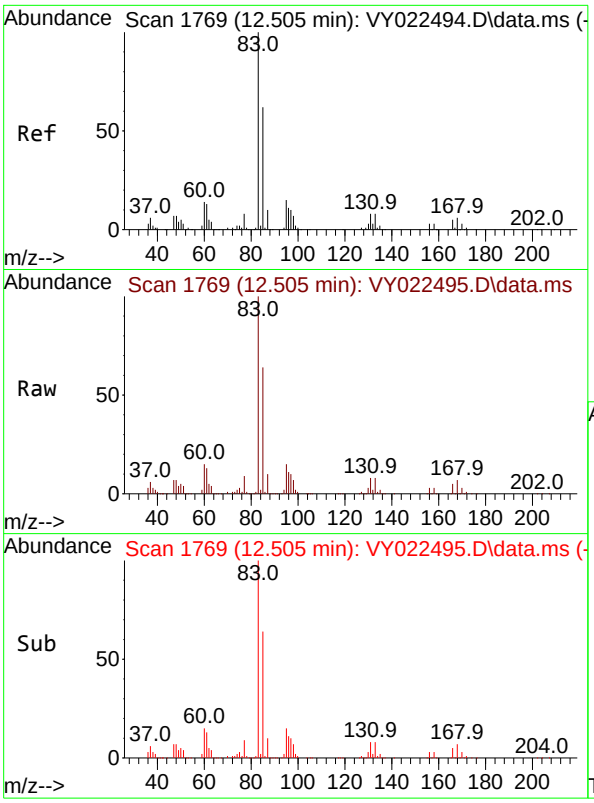


#74
N-amyl acetate
Concen: 108.232 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 331256

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	22.5	18.2	27.4
61	23.7	19.0	28.6



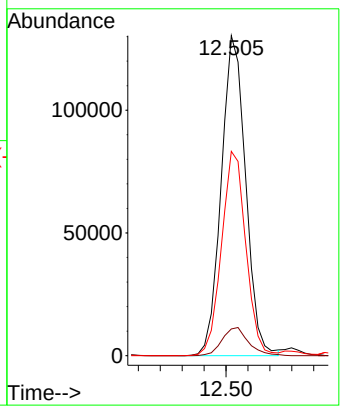


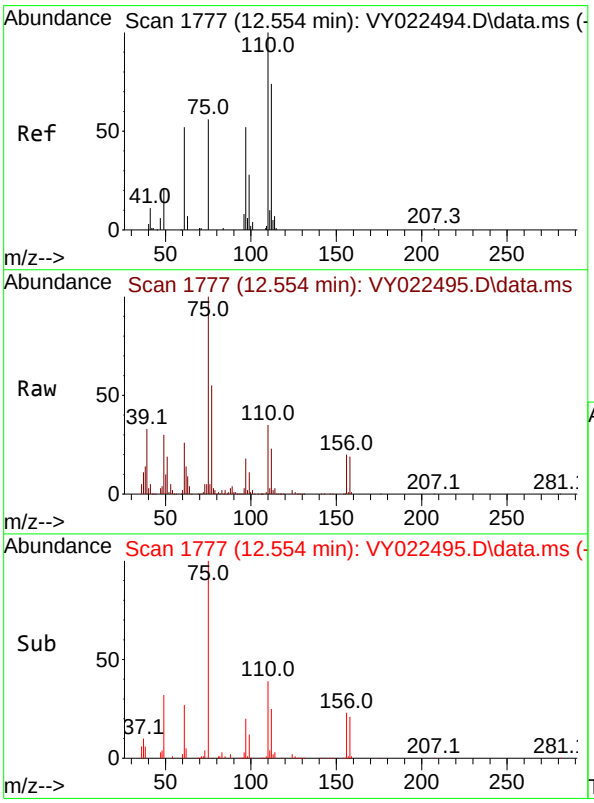
#75
1,1,2,2-Tetrachloroethane
Concen: 102.543 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 201554

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.7	32.6	97.8

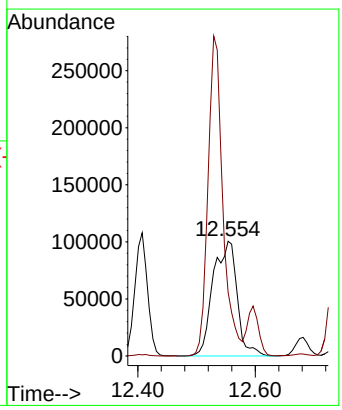


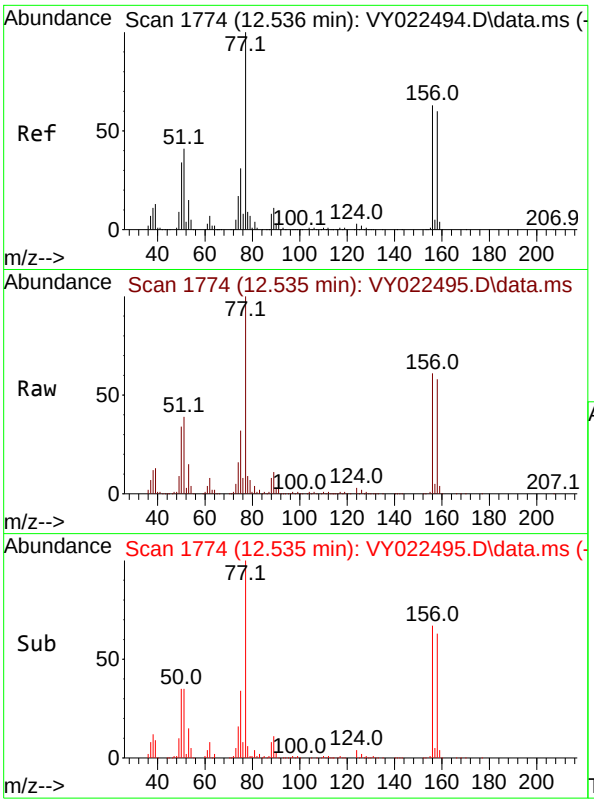


#76
1,2,3-Trichloropropane
Concen: 143.759 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 285086

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



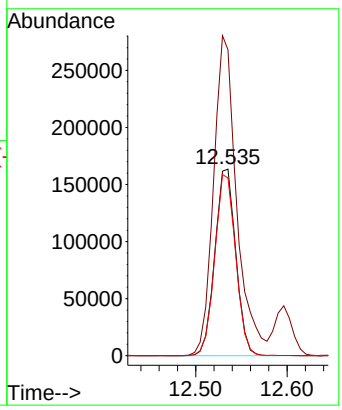


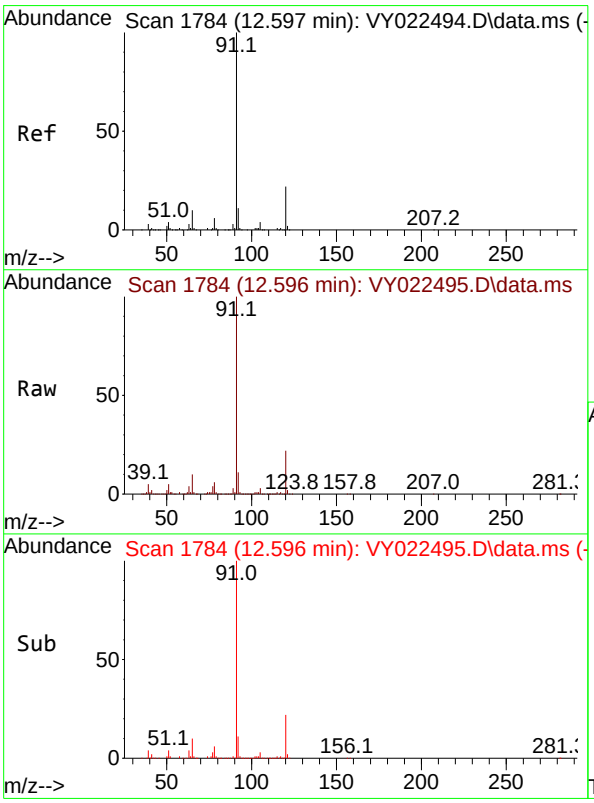
#77
Bromobenzene
Concen: 101.560 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 260522

Ion	Ratio	Lower	Upper
156	100		
77	189.8	94.0	282.1
158	97.1	48.2	144.6

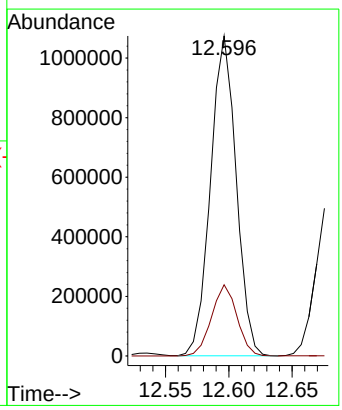


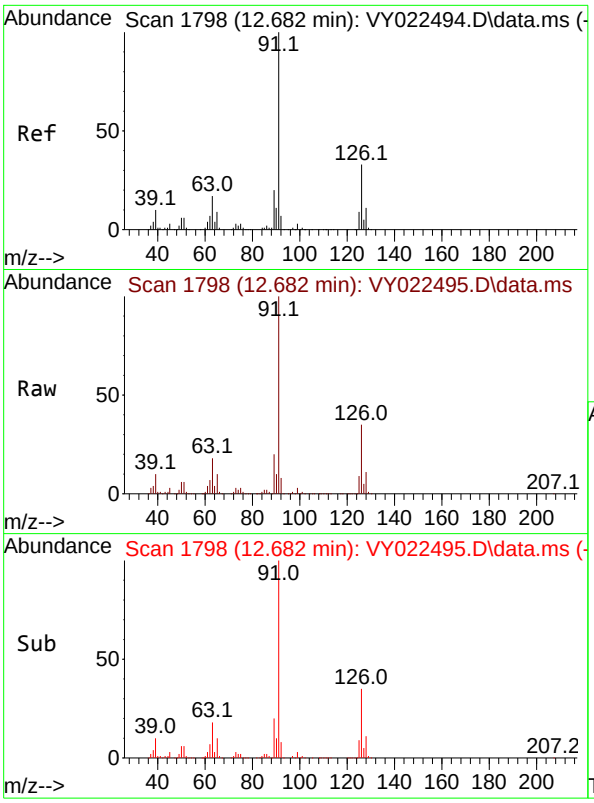


#78
n-propylbenzene
Concen: 103.002 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 1517453

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



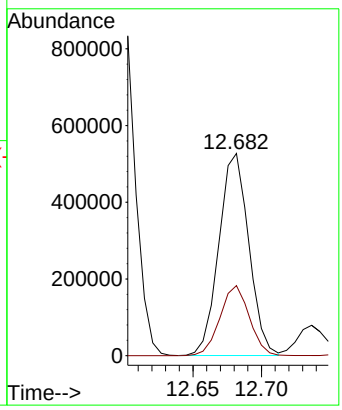


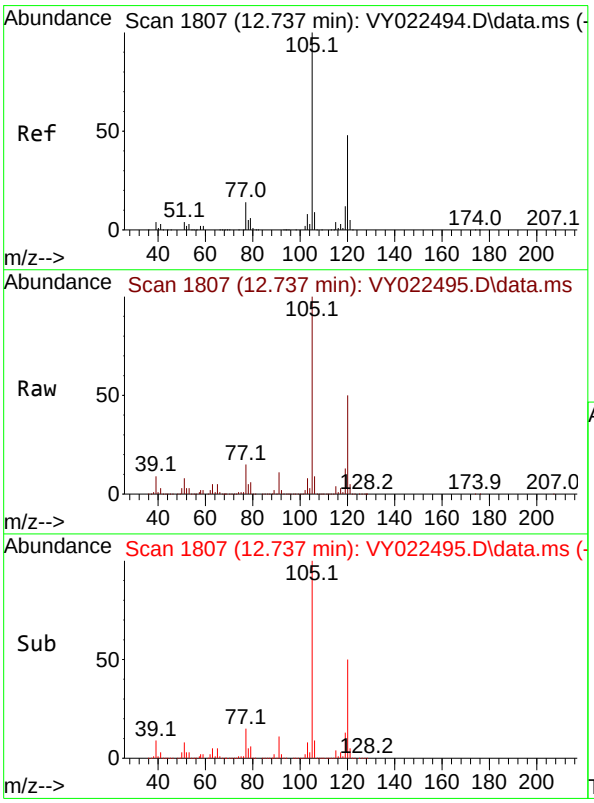
#79
2-Chlorotoluene
Concen: 102.984 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 801096

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

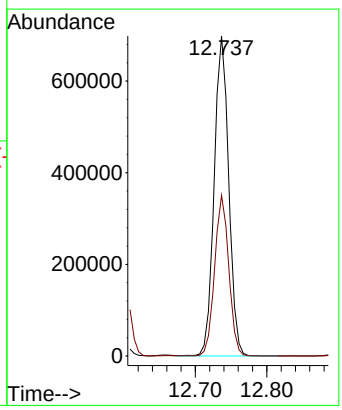


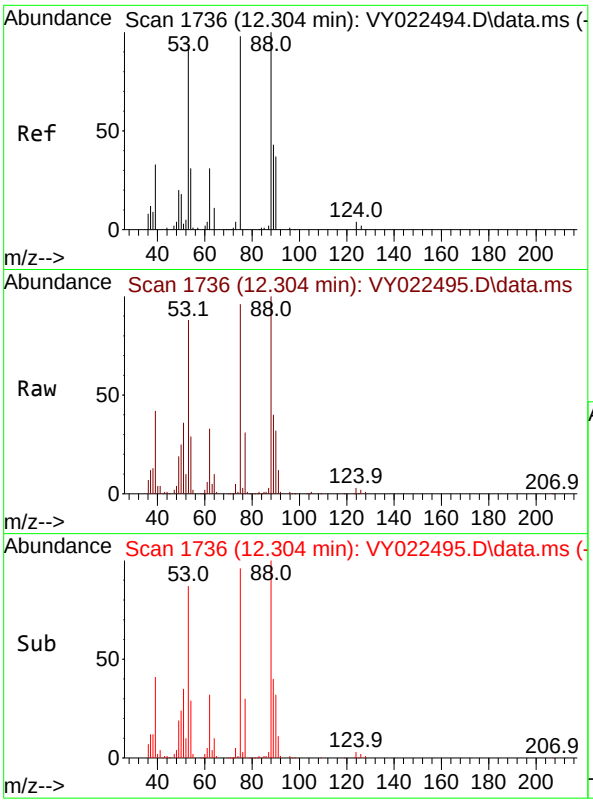


#80
1,3,5-Trimethylbenzene
Concen: 103.959 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 983812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4



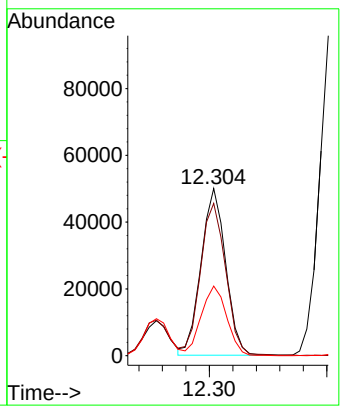


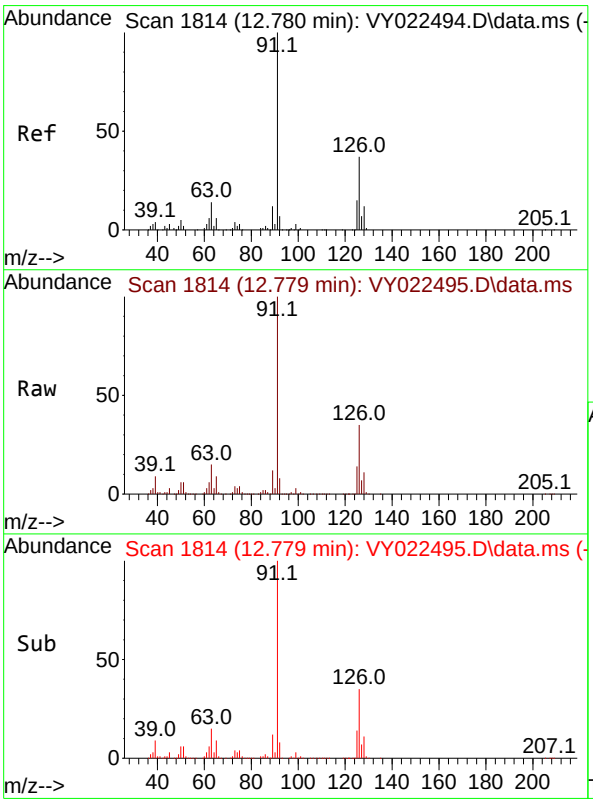
#81
trans-1,4-Dichloro-2-butene
Concen: 104.845 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 72518

Ion	Ratio	Lower	Upper
75	100		
53	94.6	78.5	117.7
89	43.2	35.7	53.5

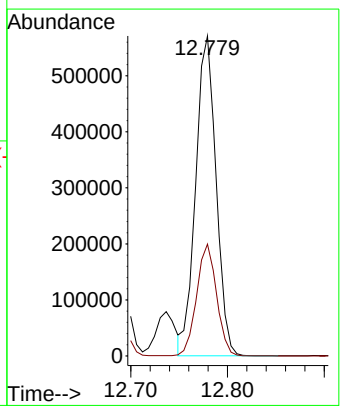


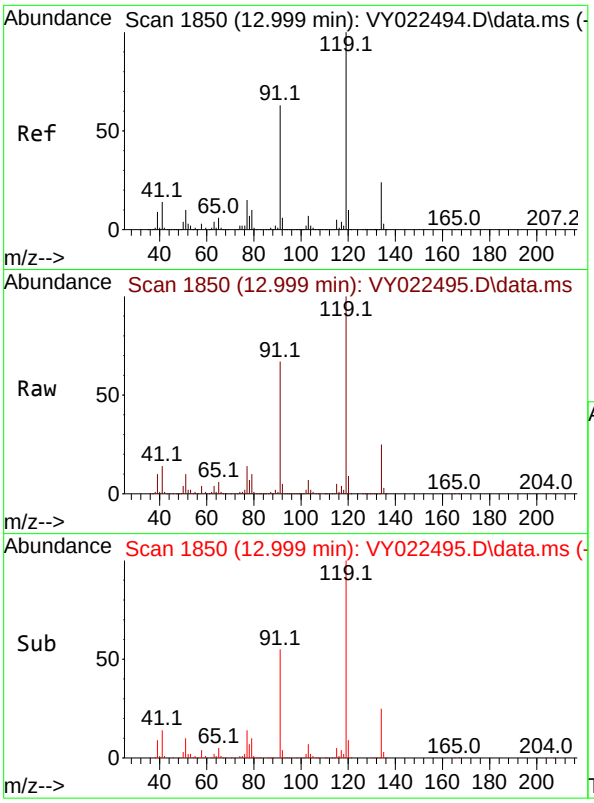


#82
4-Chlorotoluene
Concen: 103.758 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 836500

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9



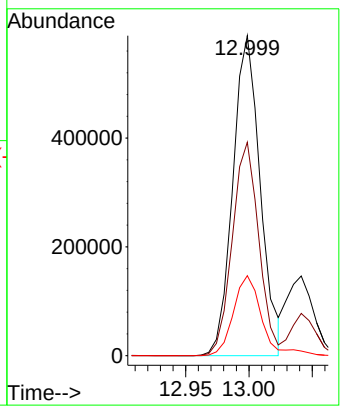


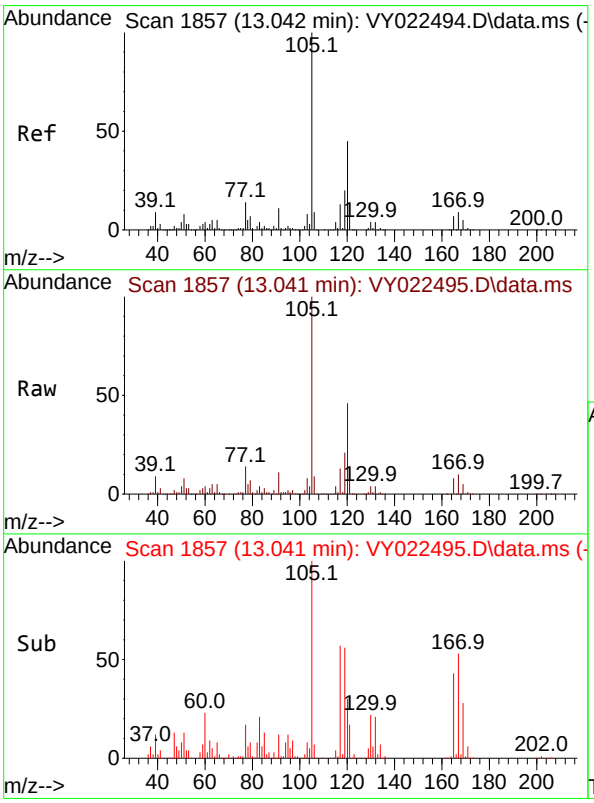
#83
tert-Butylbenzene
Concen: 102.740 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 886942

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.9	13.0	38.9

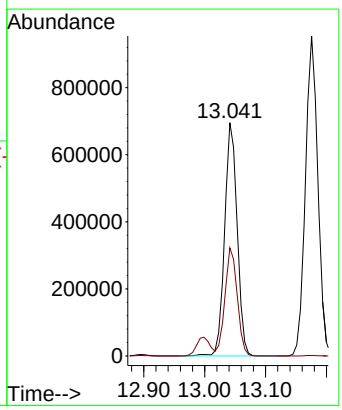


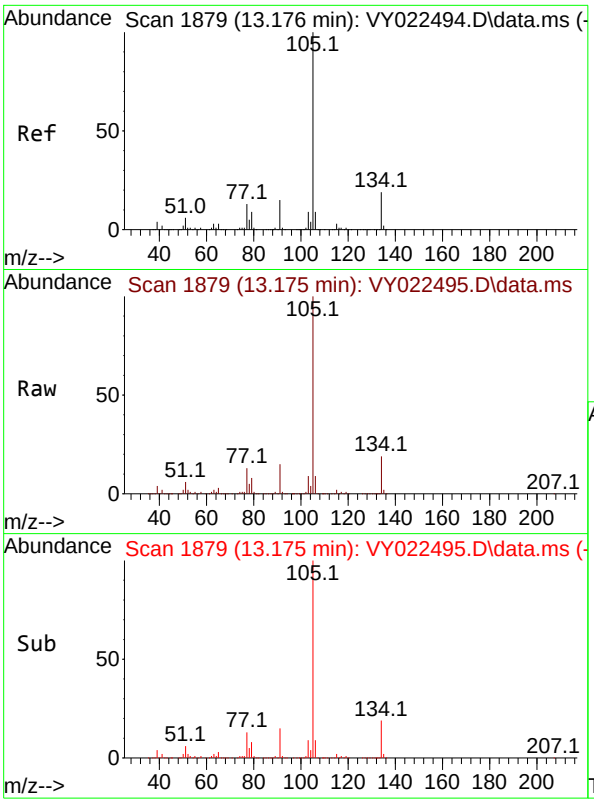


#84
1,2,4-Trimethylbenzene
Concen: 104.854 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 992770

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



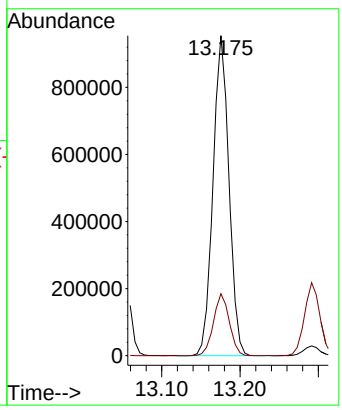


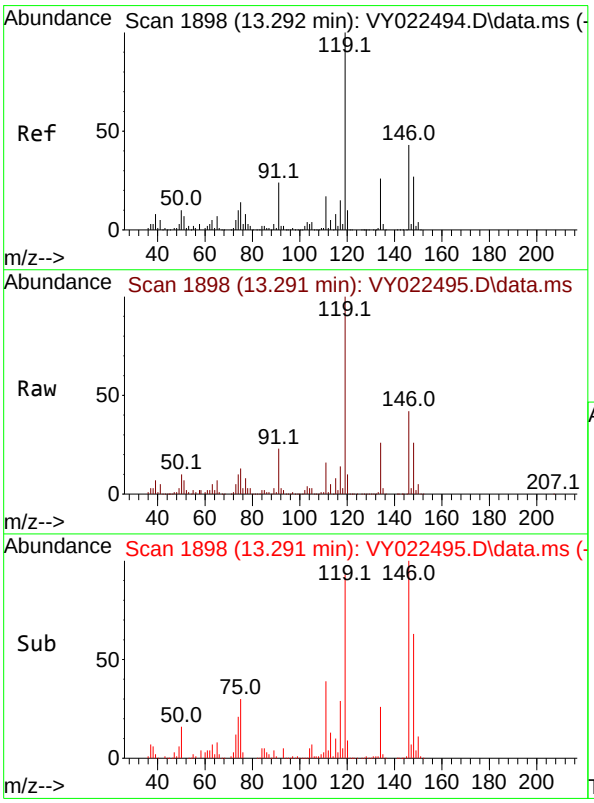
#85
sec-Butylbenzene
Concen: 103.006 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1348209

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

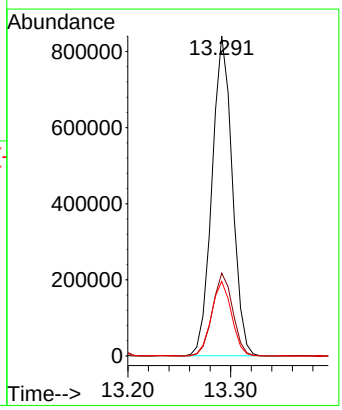


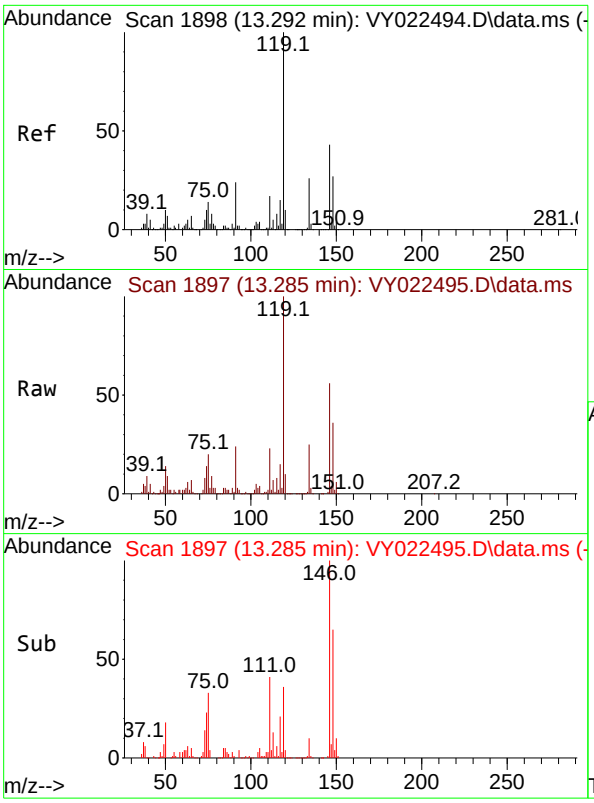


#86
p-Isopropyltoluene
Concen: 106.760 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 1148821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8



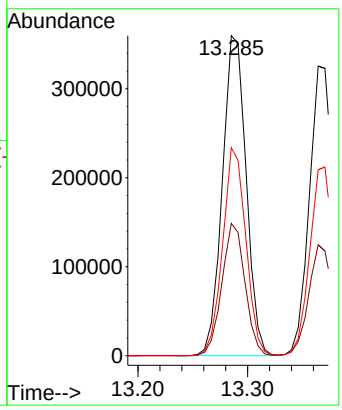


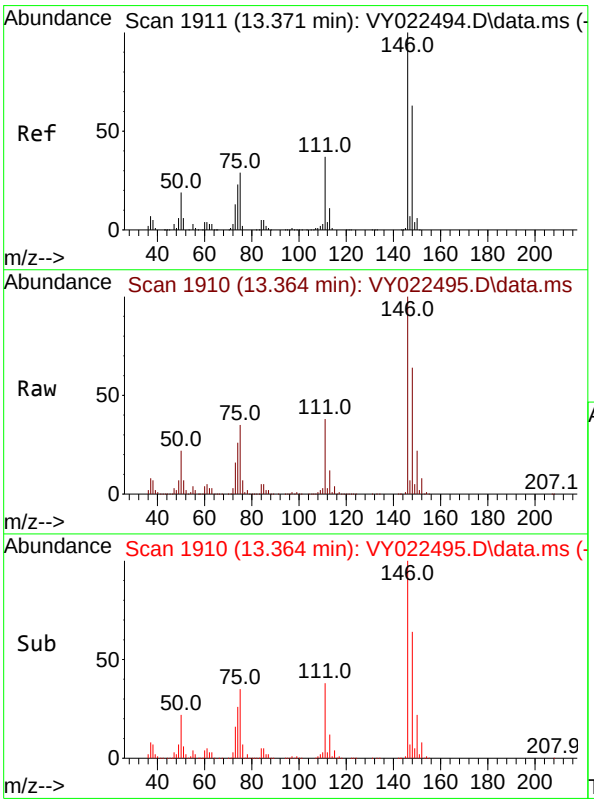
#87
1,3-Dichlorobenzene
Concen: 105.879 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 543396

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.4	32.1	96.3

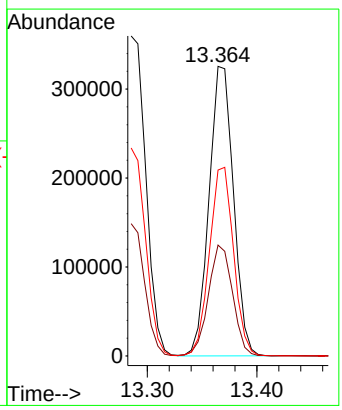


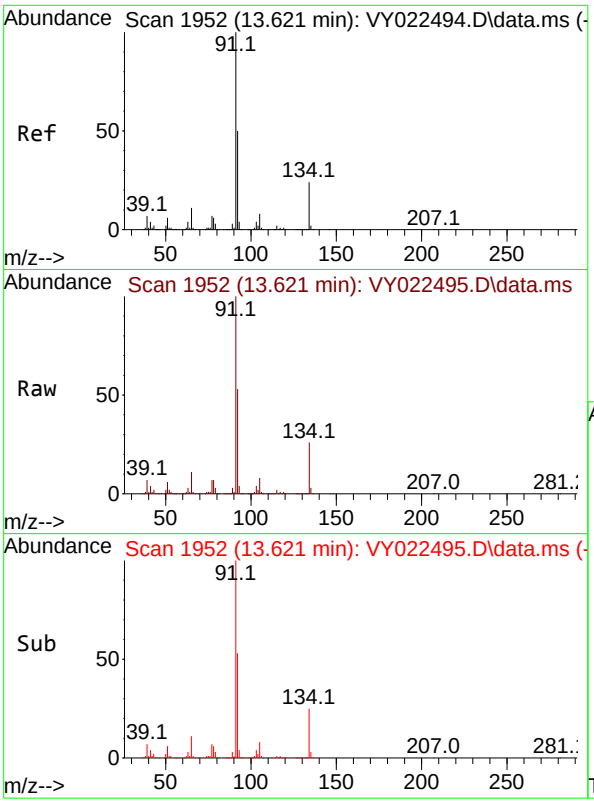


#88
1,4-Dichlorobenzene
Concen: 100.757 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 503842

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.7	31.6	94.8



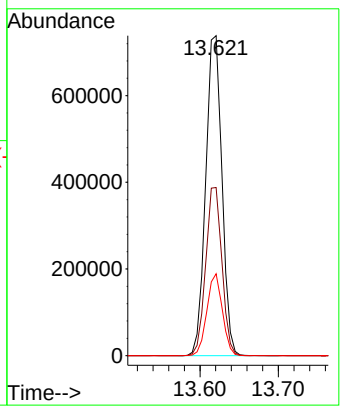


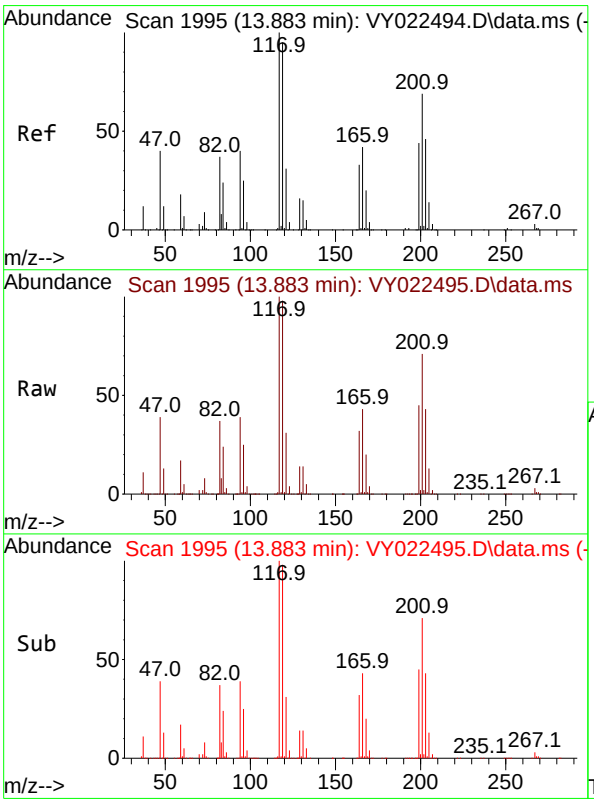
#89
n-Butylbenzene
Concen: 103.713 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1062595

Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.8
134	24.4	12.0	36.1

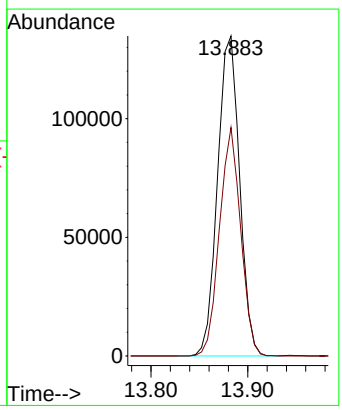


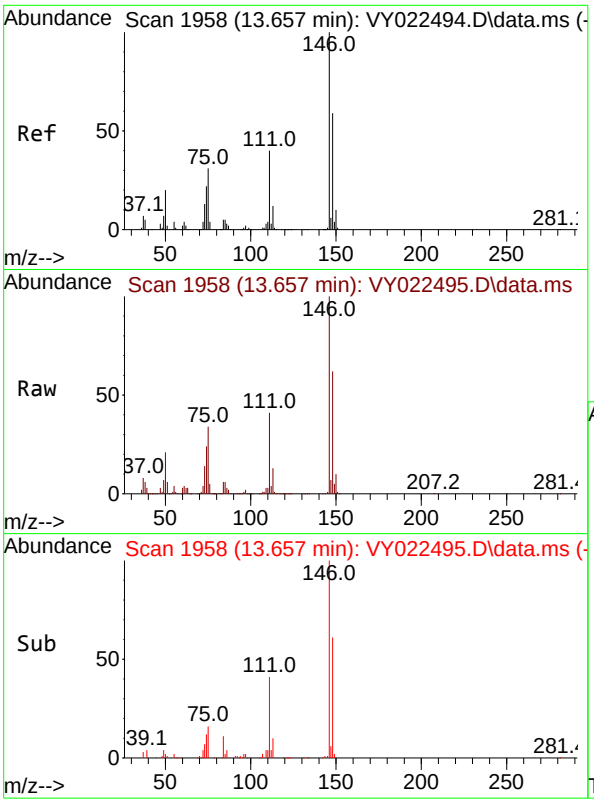


#90
Hexachloroethane
Concen: 101.224 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0



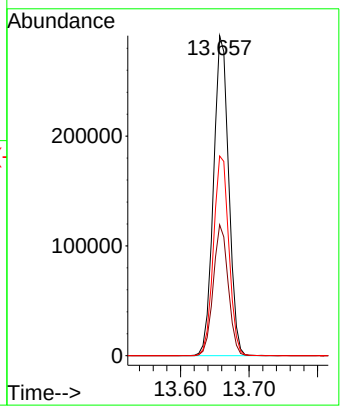


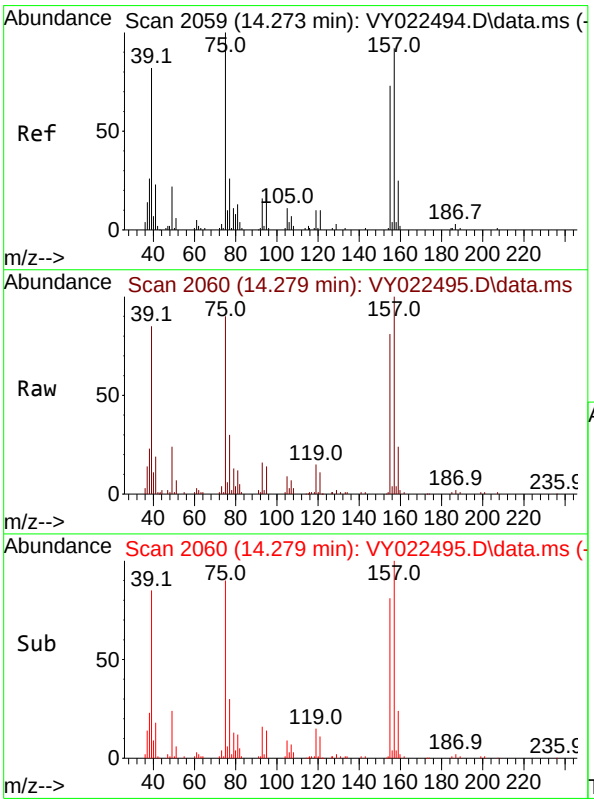
#91
1,2-Dichlorobenzene
Concen: 101.511 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 447574

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.2	31.4	94.0

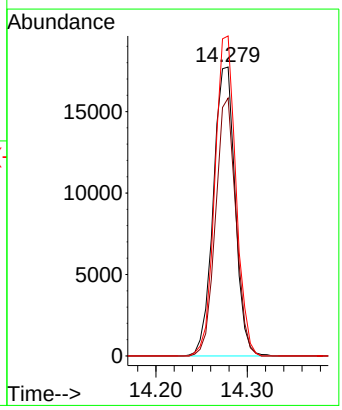


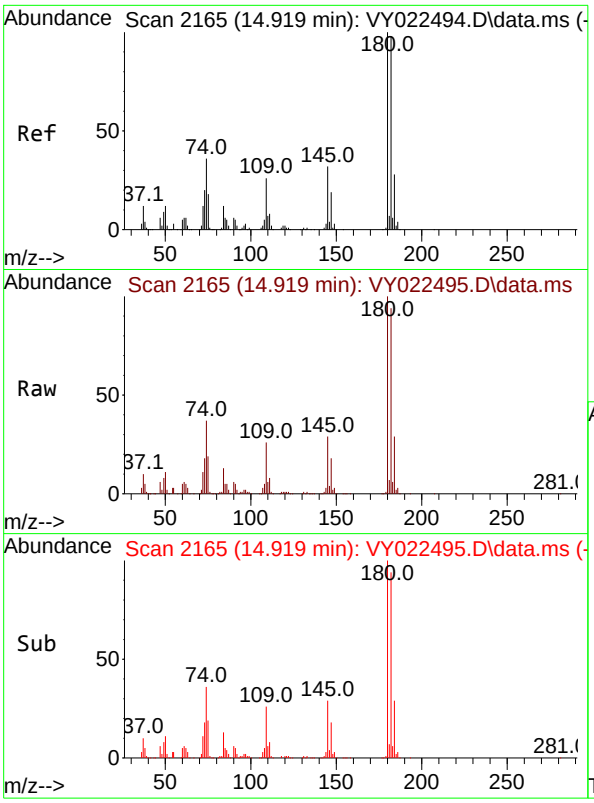


#92
1,2-Dibromo-3-Chloropropane
Concen: 98.805 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 29357

Ion	Ratio	Lower	Upper
75	100		
155	83.2	39.9	119.6
157	106.6	54.0	162.0



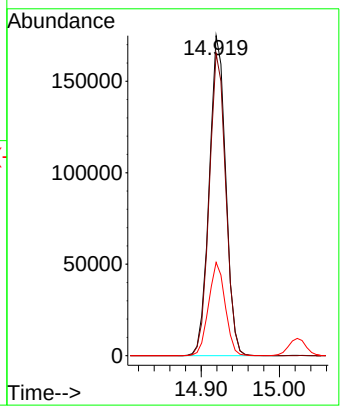


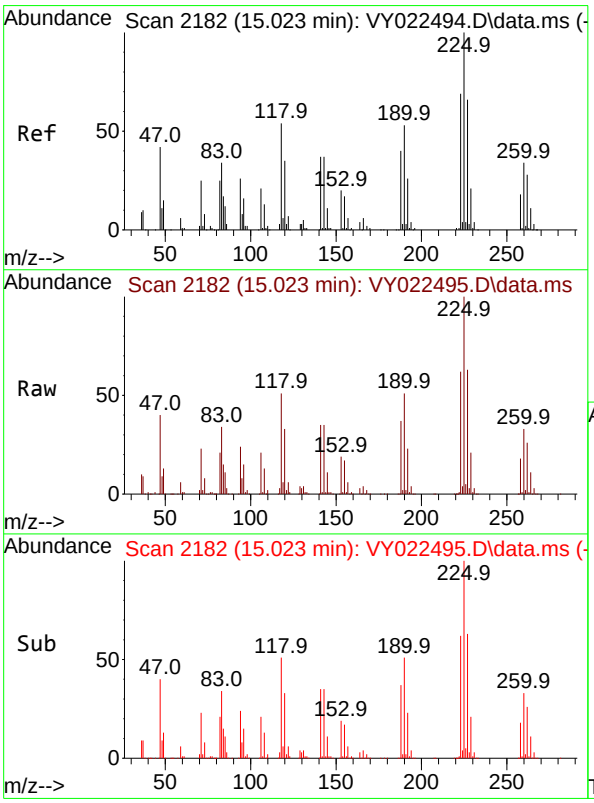
#93
1,2,4-Trichlorobenzene
Concen: 106.117 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 255752

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.3
145	29.3	15.5	46.5

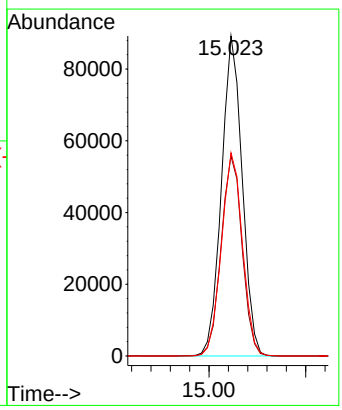


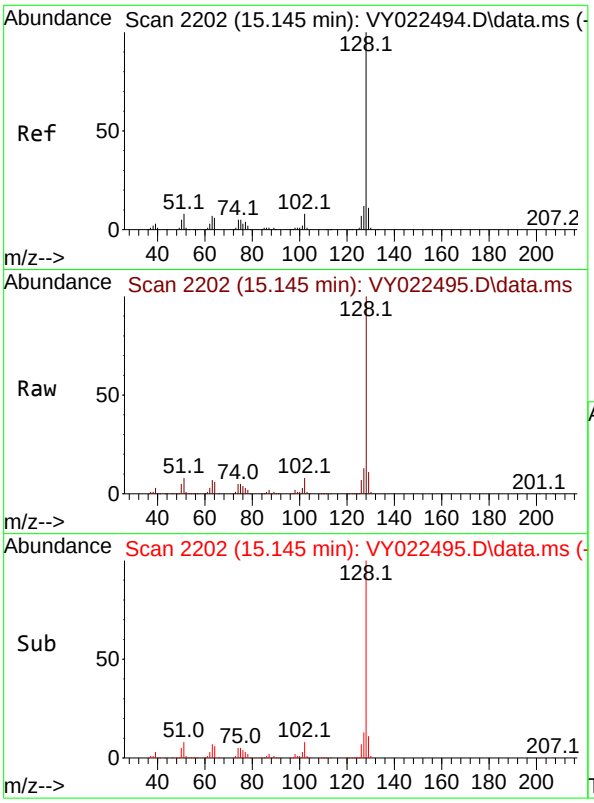


#94
Hexachlorobutadiene
Concen: 100.622 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:225 Resp: 132452

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	64.6	32.3	96.9



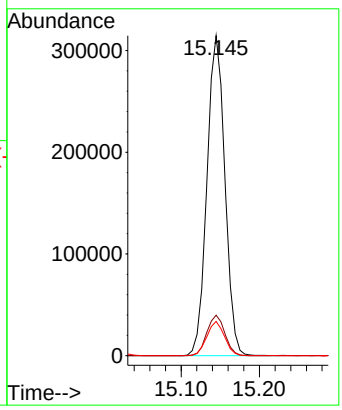


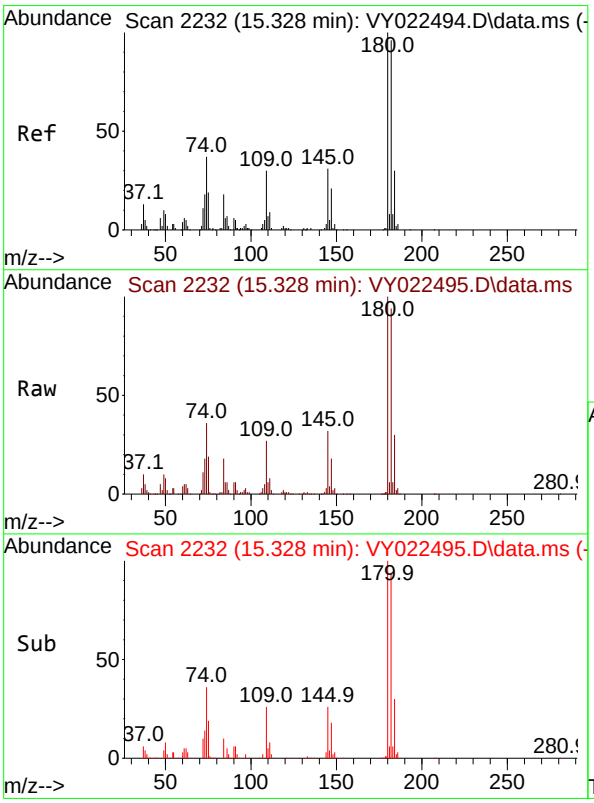
#95
Naphthalene
Concen: 108.155 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 499554

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.9	13.3

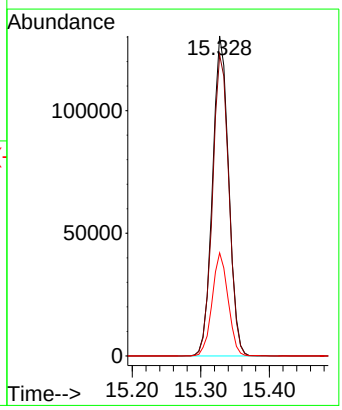




#96
1,2,3-Trichlorobenzene
Concen: 104.136 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 213300

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.7	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l		98
44) Trichloroethene	8.866	130	394832	156.583	ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l		99
46) Dibromomethane	9.231	93	218014	158.140	ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l		98
52) Toluene	10.170	92	1093200	168.447	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l		100
69) o-Xylene	11.957	106	777688	173.188	ug/l		99
70) Styrene	11.969	104	1334986	179.564	ug/l		99
71) Bromoform	12.133	173	201469	166.138	ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	444562	224.014	ug/l	#	100
77) Bromobenzene	12.530	156	417122	162.489	ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l		98
95) Naphthalene	15.145	128	753279	162.970	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

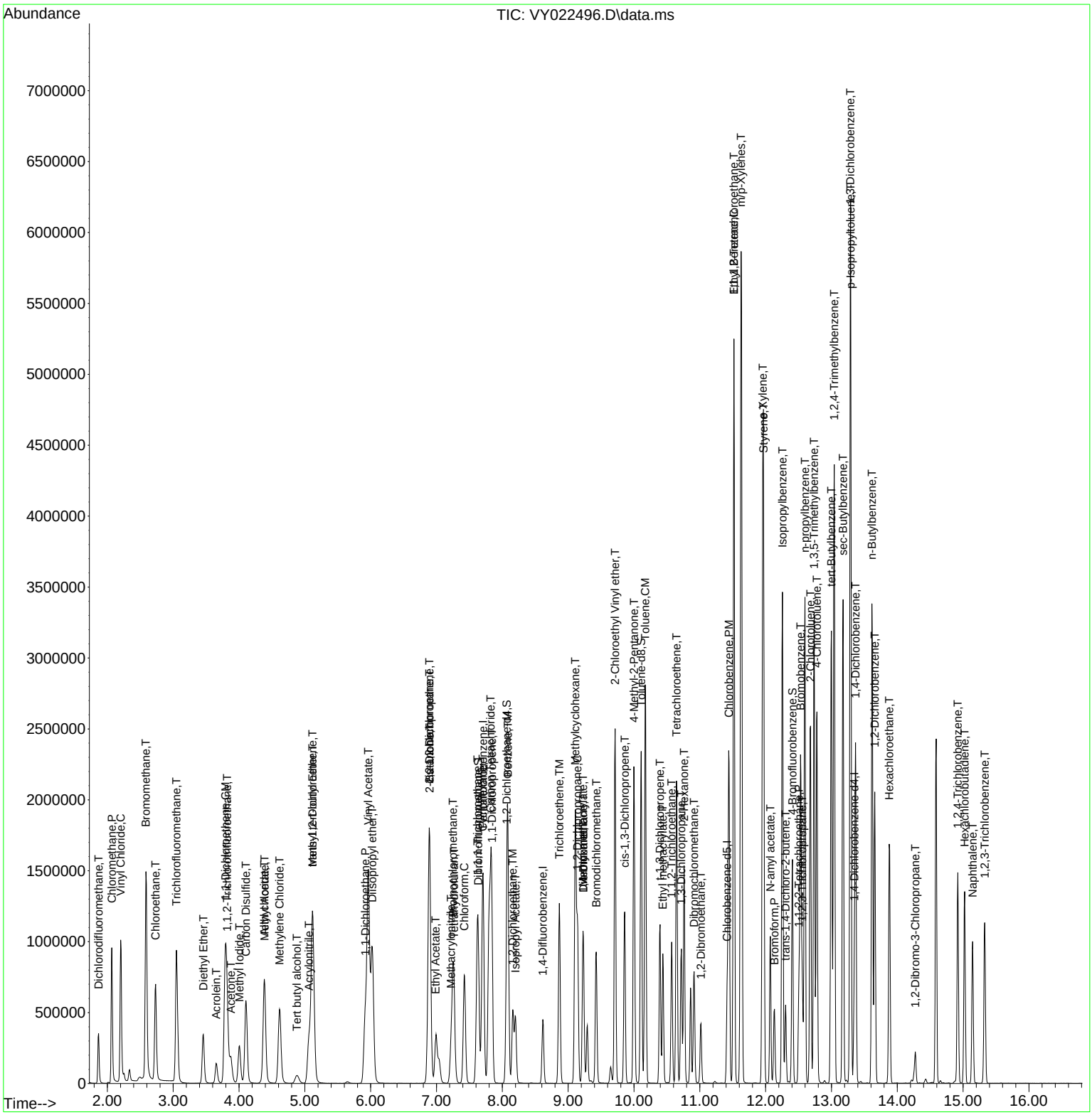
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

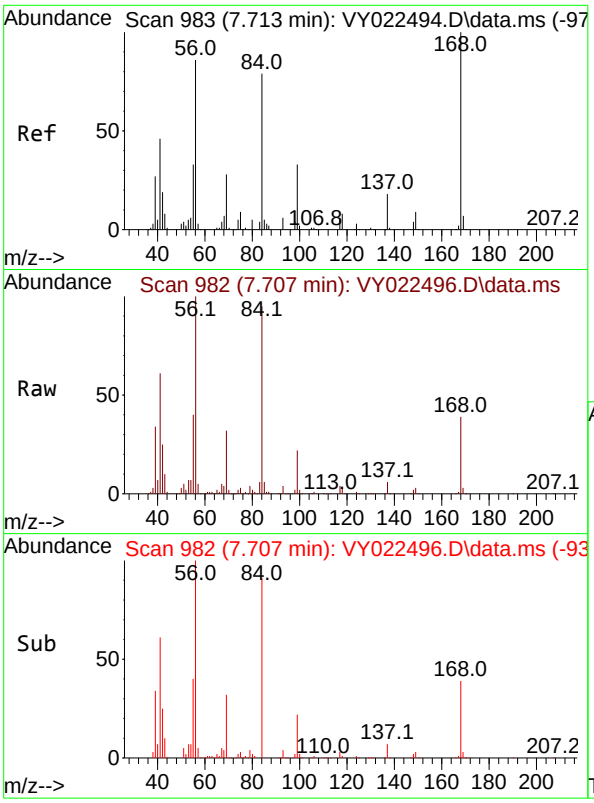
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



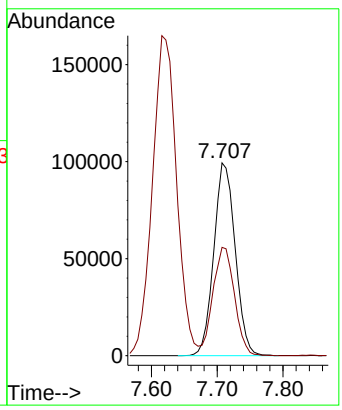


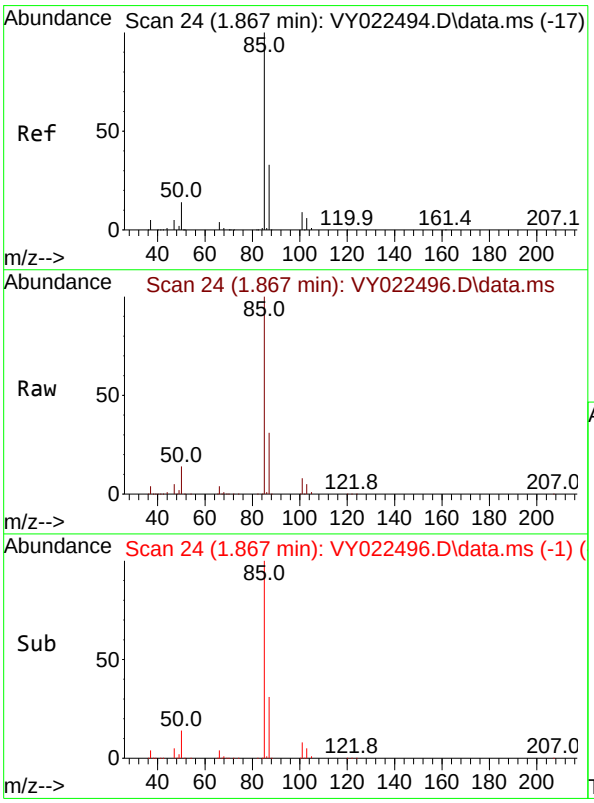
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 225293

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

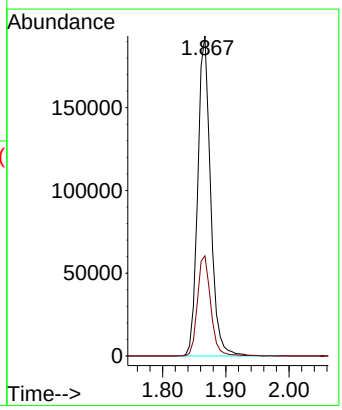


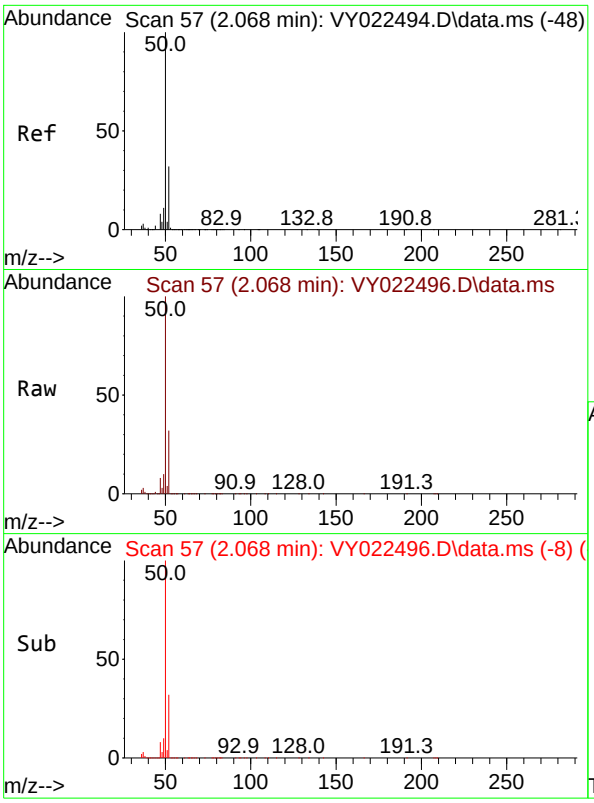


#2
Dichlorodifluoromethane
Concen: 139.086 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 85 Resp: 273817

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.7	50.0



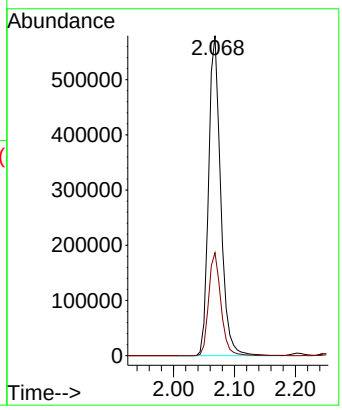


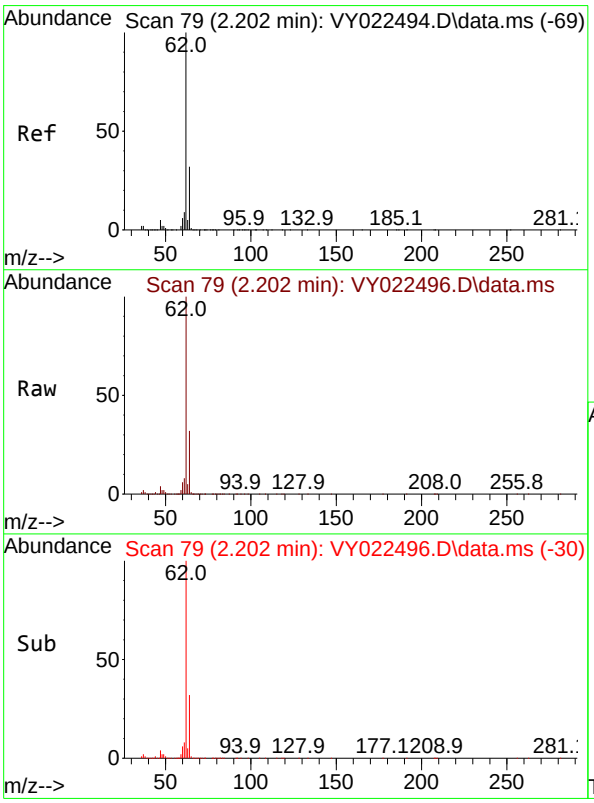
#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 800733

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.0	39.0

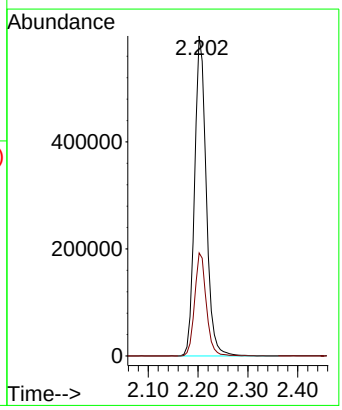


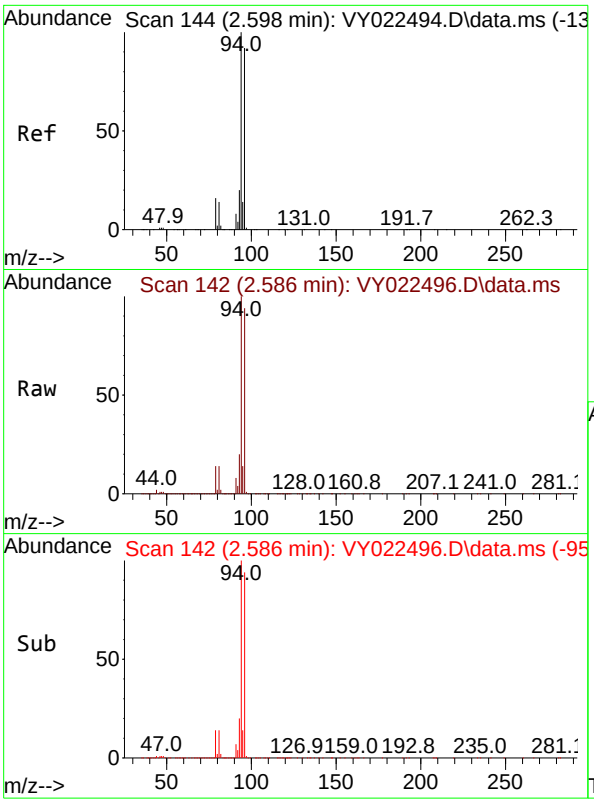


#4
Vinyl Chloride
Concen: 142.366 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 967746

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9



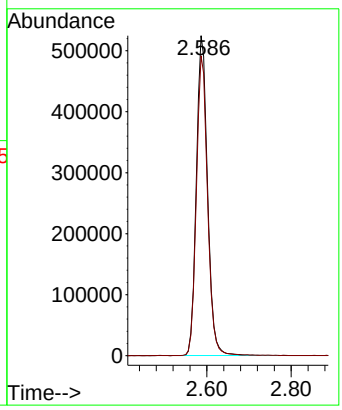


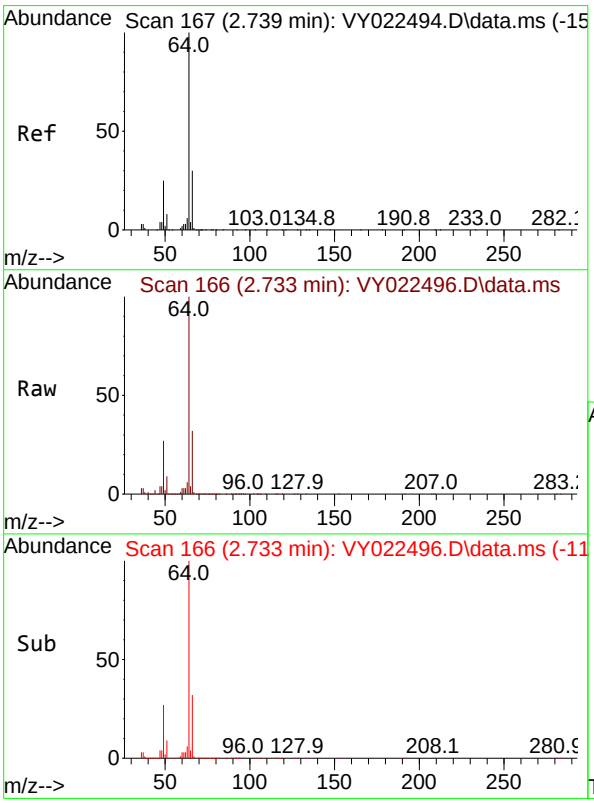
#5
Bromomethane
Concen: 150.991 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 970833

Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.0	111.0

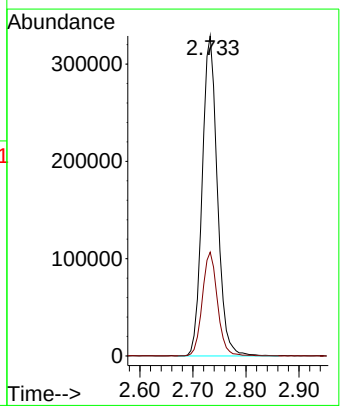


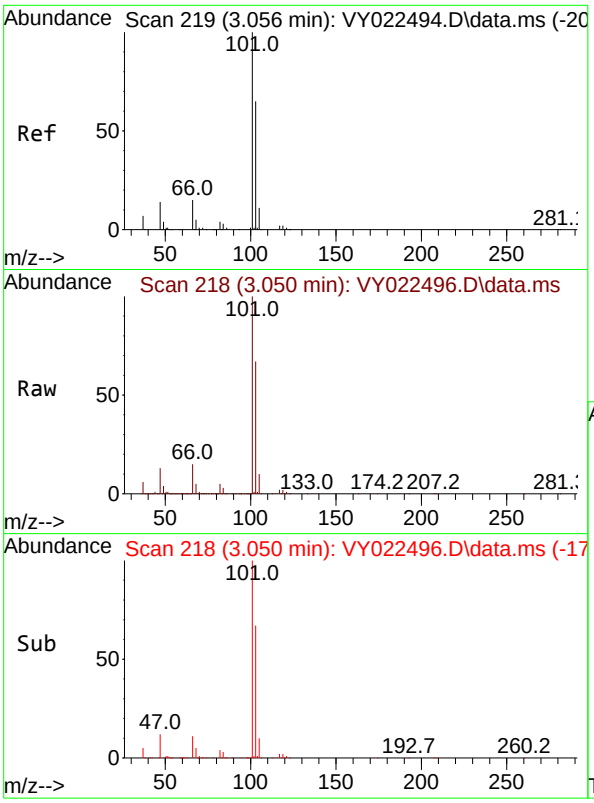


#6
Chloroethane
Concen: 140.013 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 64 Resp: 651603

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.8	35.6



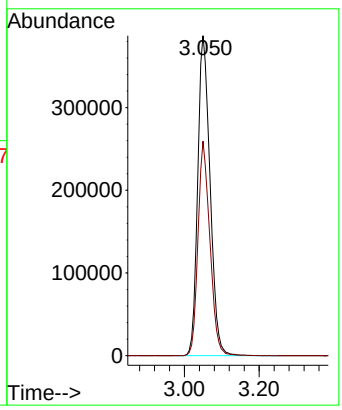


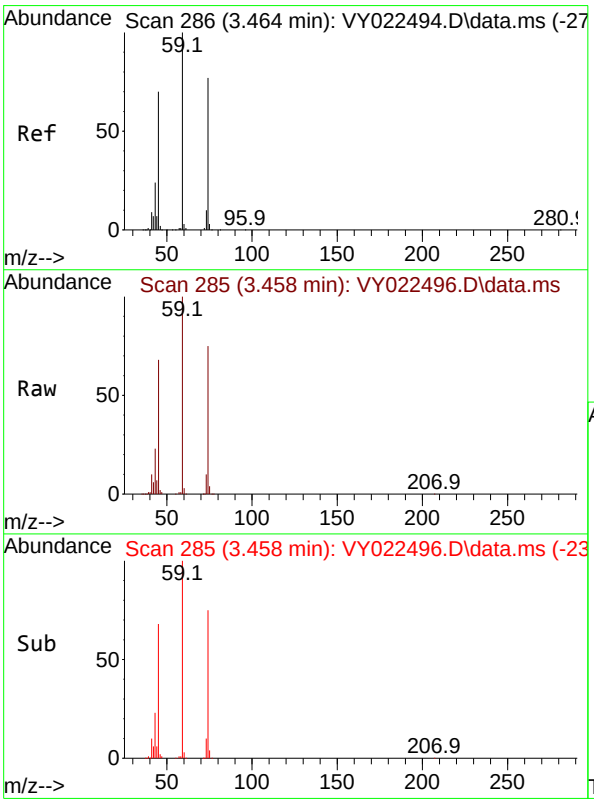
#7
Trichlorofluoromethane
Concen: 153.303 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 885391

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.2

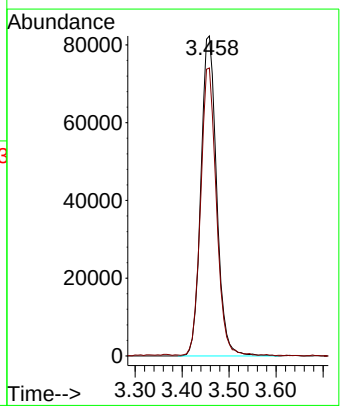


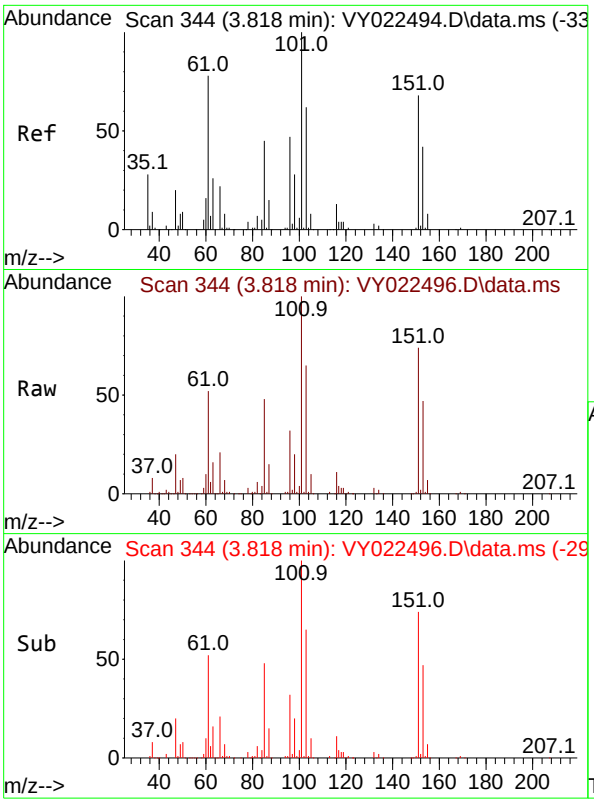


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 74 Resp: 191391

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.9	137.6



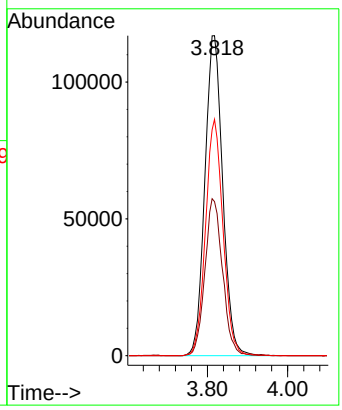


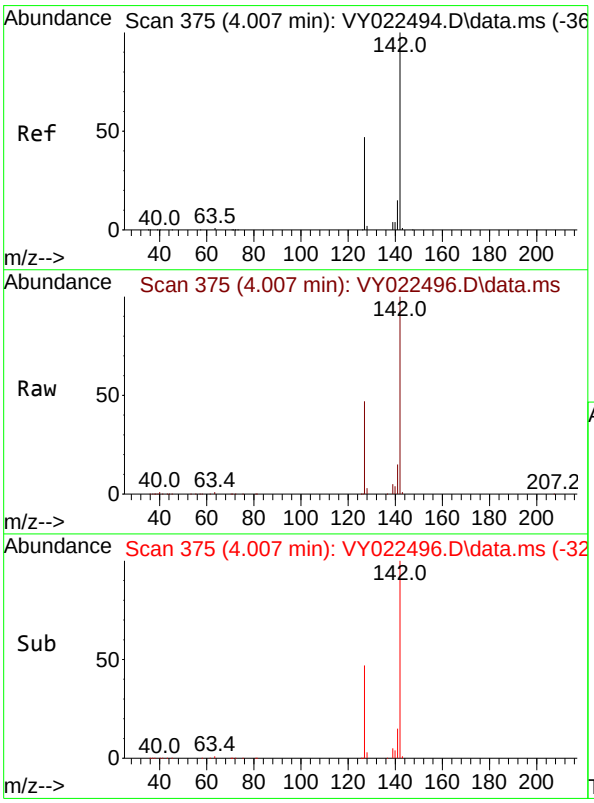
#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 360800

Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.3	58.9
151	72.4	57.8	86.8

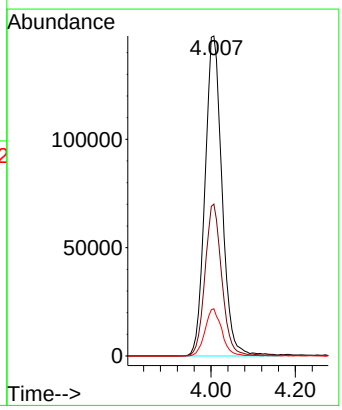


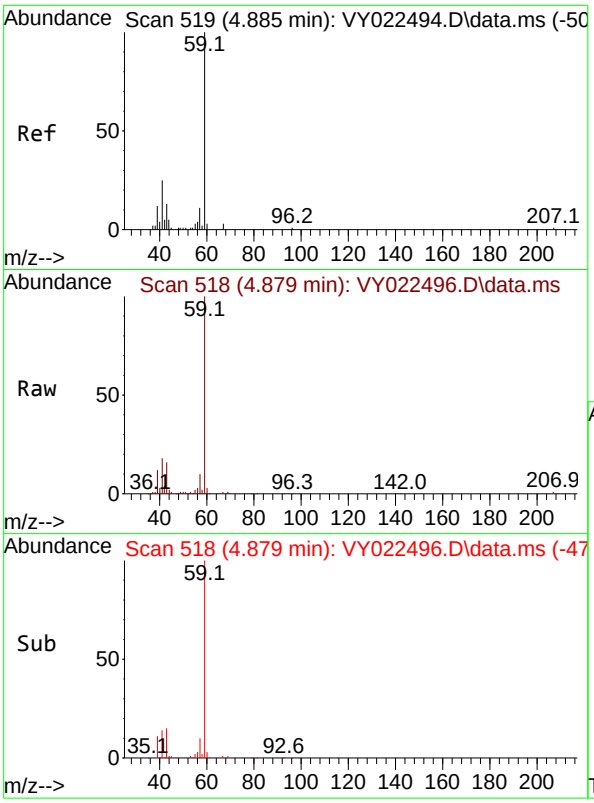


#10
Methyl Iodide
Concen: 160.129 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:142 Resp: 416014

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.6	11.4	17.2



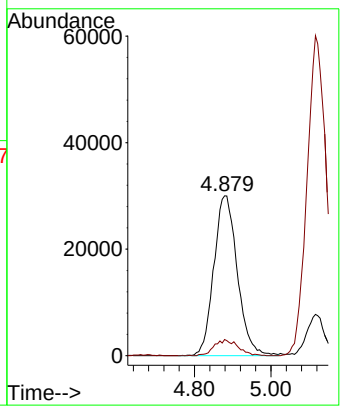


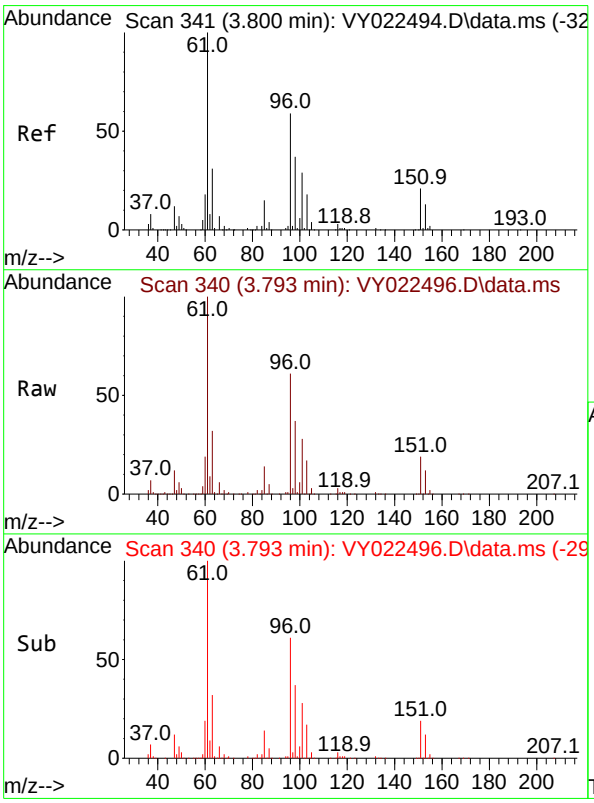
#11
Tert butyl alcohol
Concen: 731.071 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 128018

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

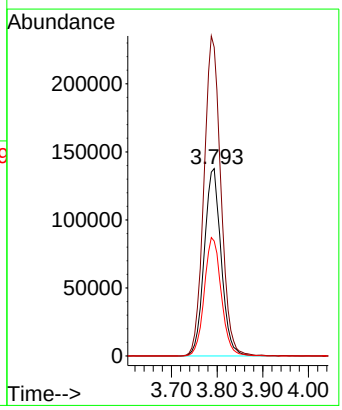


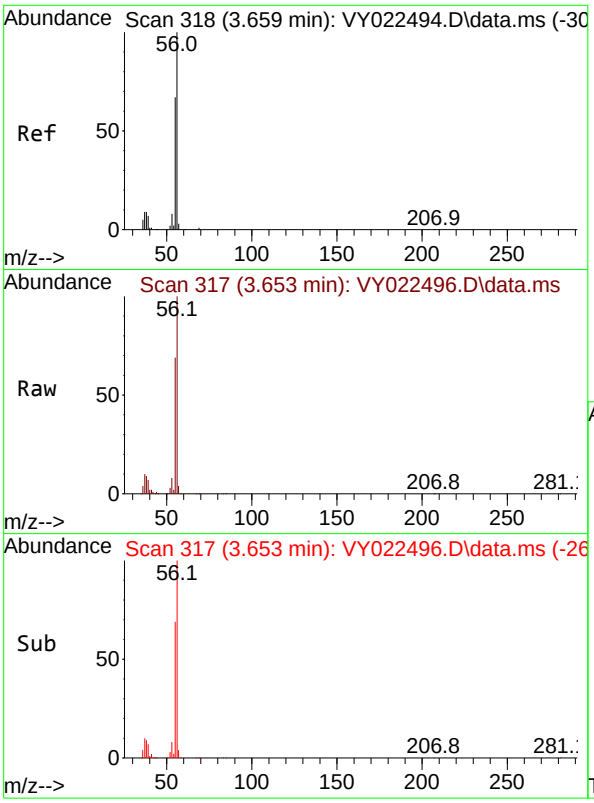


#12
1,1-Dichloroethene
Concen: 152.730 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 353193

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.6	201.8
98	61.3	50.2	75.4



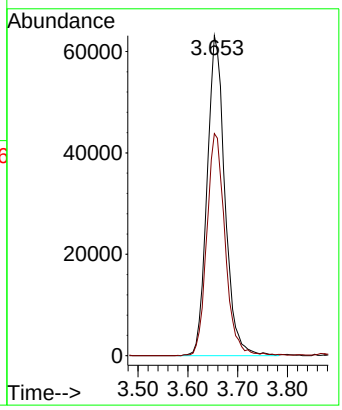


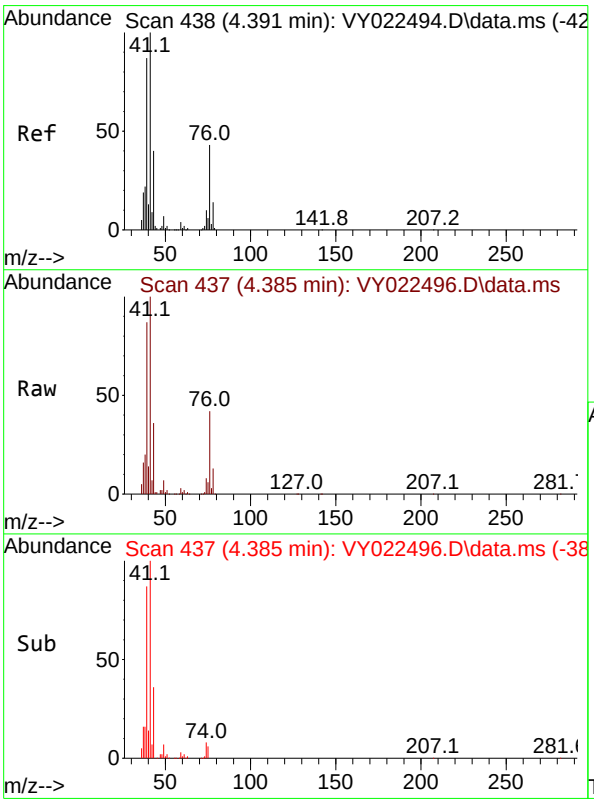
#13
Acrolein
Concen: 731.778 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 156417

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.0	85.6

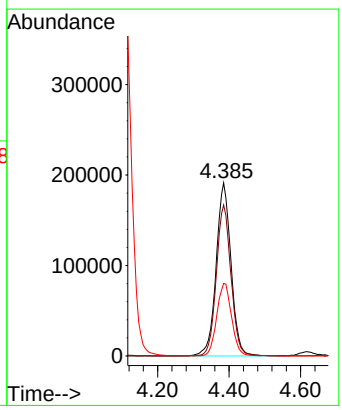


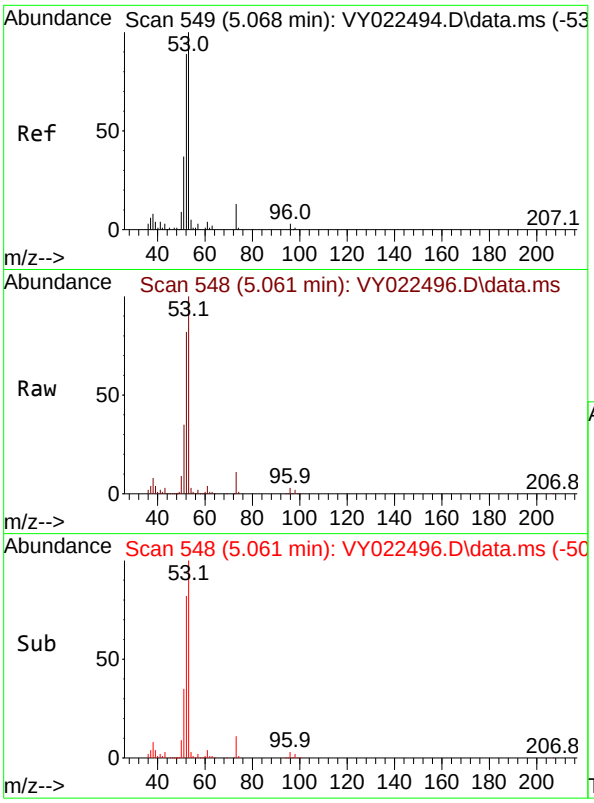


#14
Allyl chloride
Concen: 153.152 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 551896

Ion	Ratio	Lower	Upper
41	100		
39	86.2	69.1	103.7
76	41.5	33.5	50.3



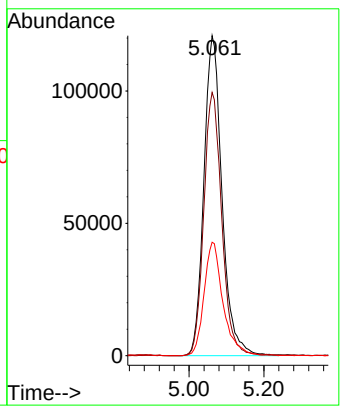


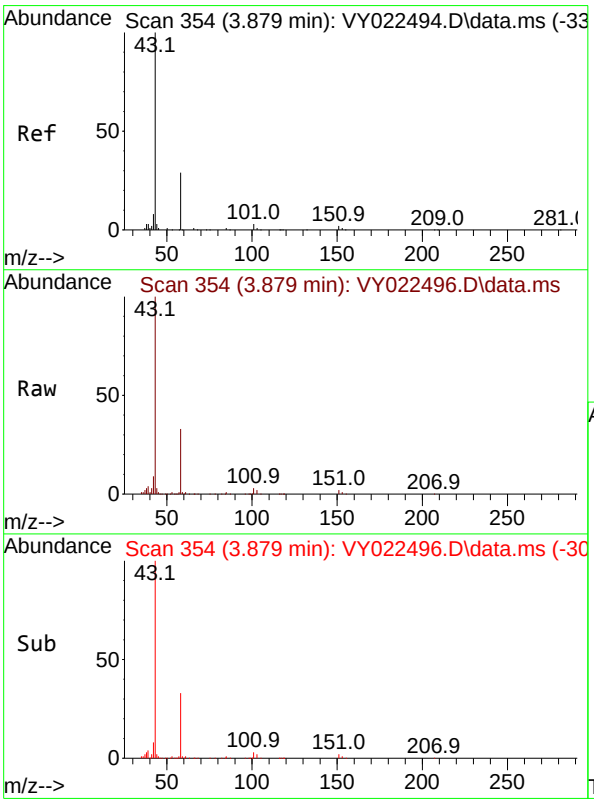
#15
Acrylonitrile
Concen: 749.634 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 406745

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	37.1	30.1	45.1

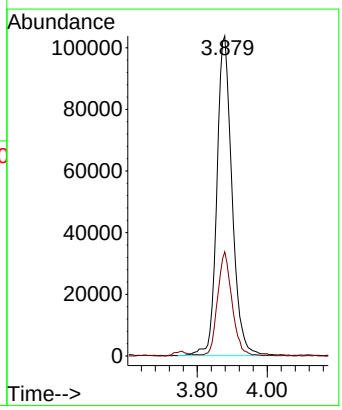


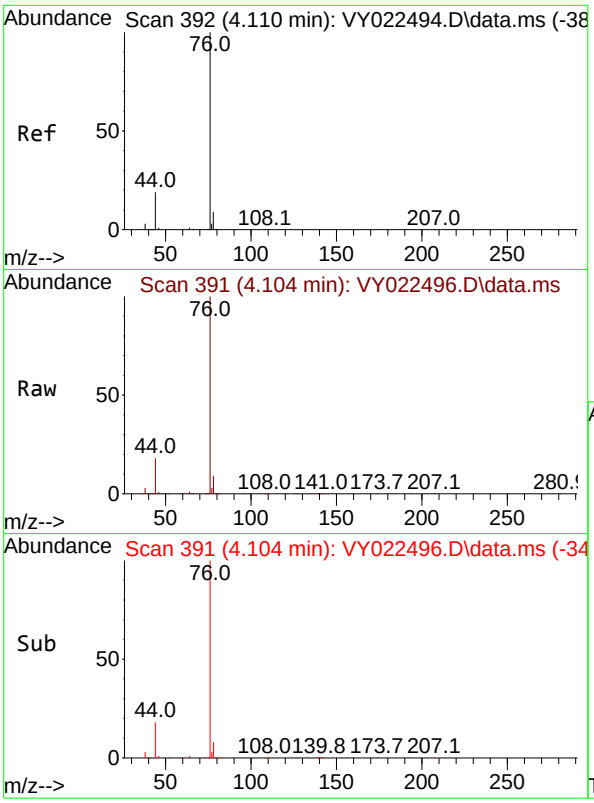


#16
Acetone
Concen: 643.577 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 311886

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0



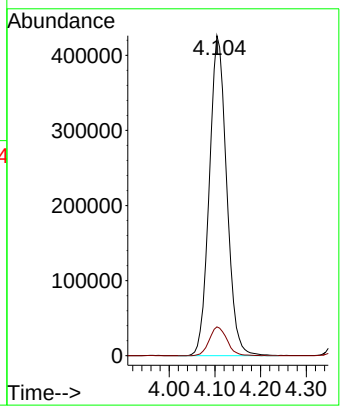


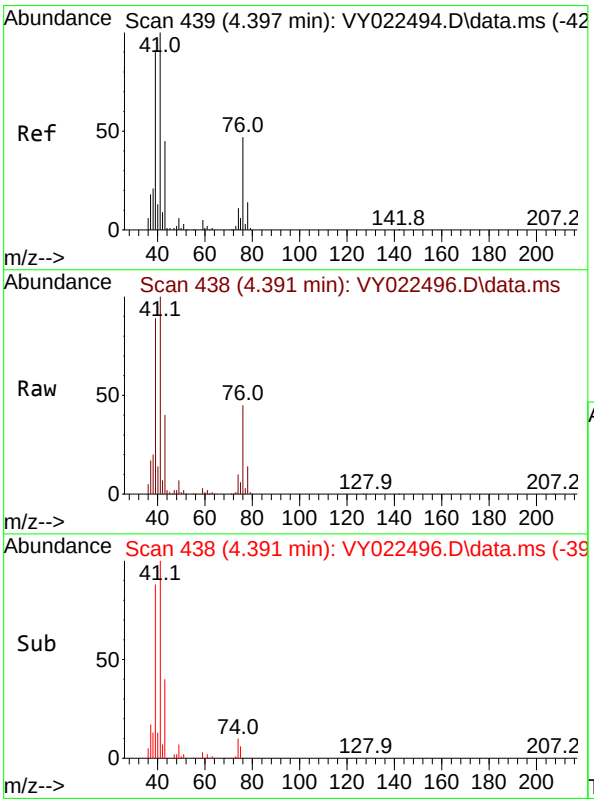
#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1126077

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

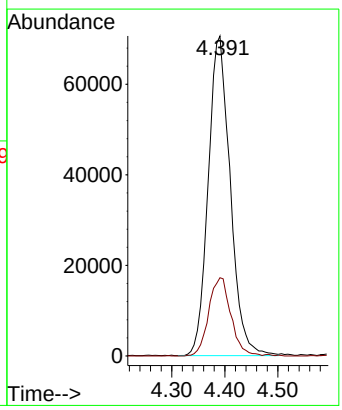


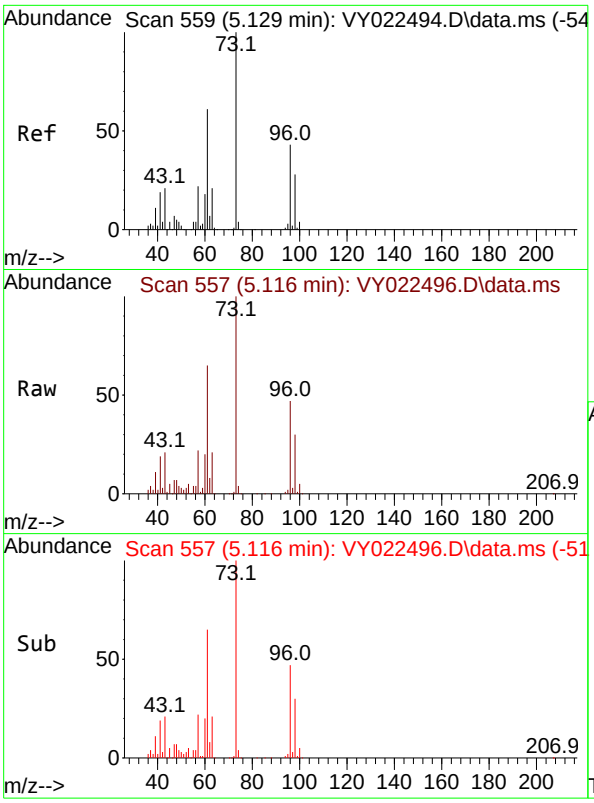


#18
Methyl Acetate
Concen: 139.589 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 203507

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6



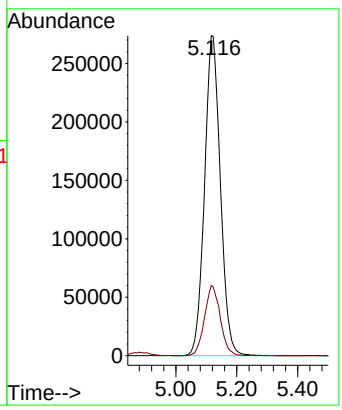


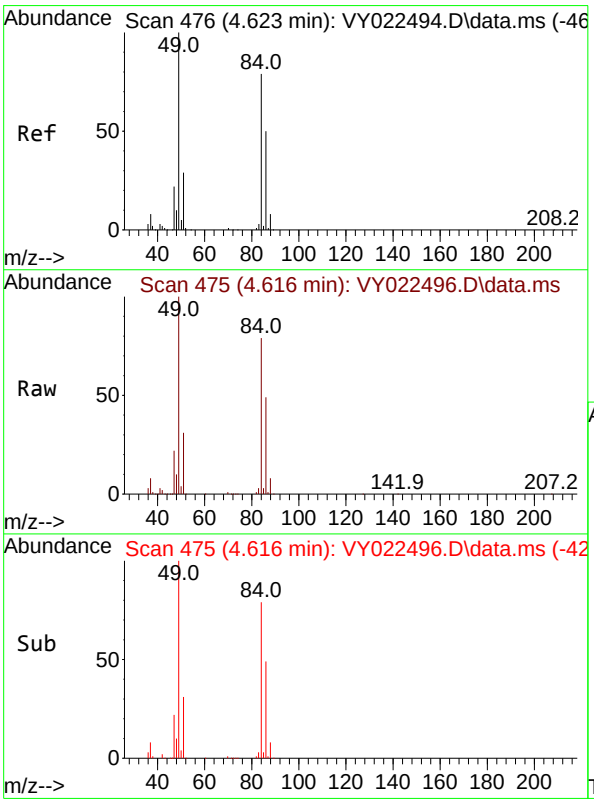
#19
Methyl tert-butyl Ether
Concen: 153.134 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 988071

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0

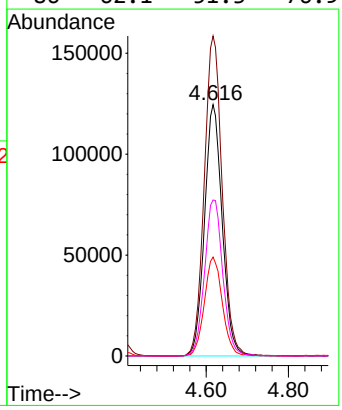


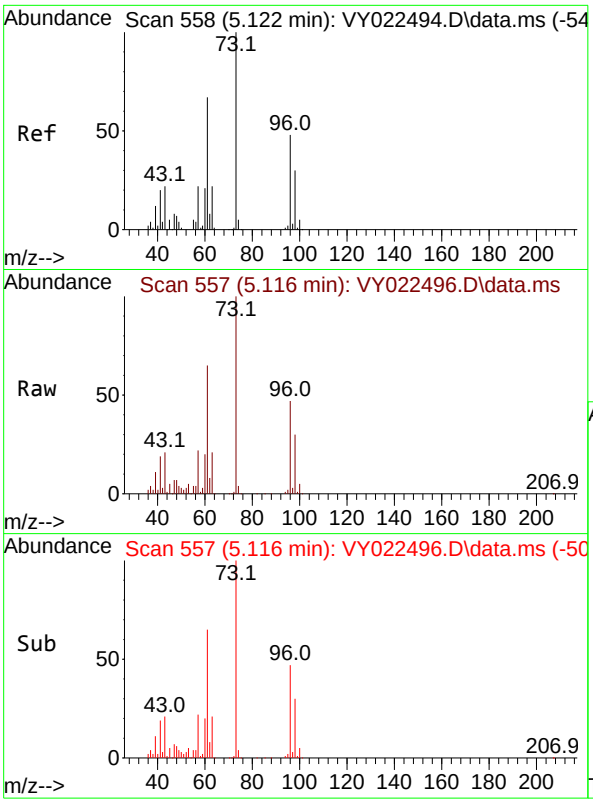


#20
Methylene Chloride
Concen: 137.416 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 84 Resp: 371818

Ion	Ratio	Lower	Upper
84	100		
49	127.3	101.9	152.9
51	39.4	29.8	44.8
86	62.1	51.3	76.9



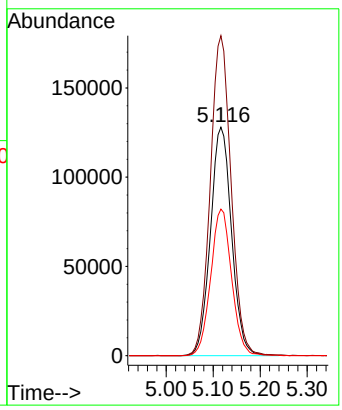


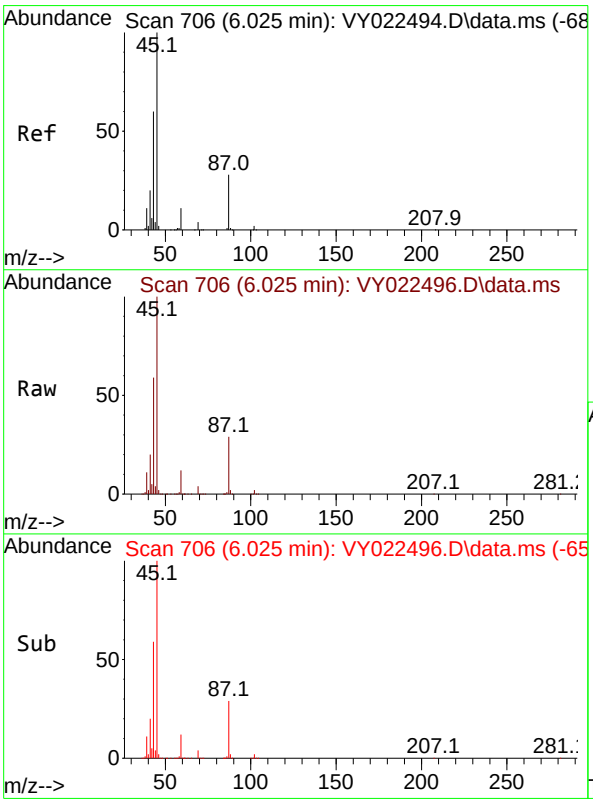
#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 399937

Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	169.0
98	64.1	50.6	75.8

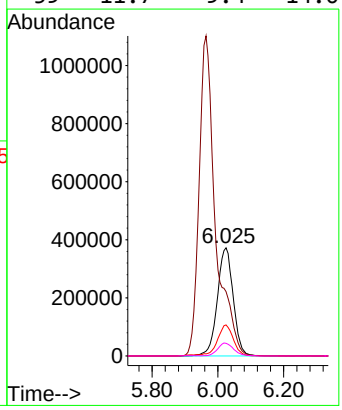


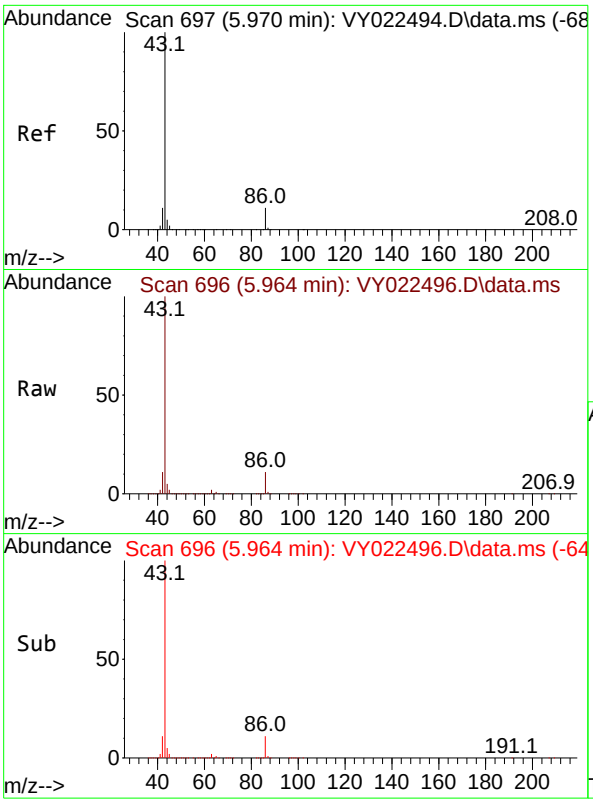


#22
Diisopropyl ether
Concen: 155.346 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 45 Resp: 1244804

Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.3	72.5
87	28.6	23.0	34.6
59	11.7	9.4	14.0



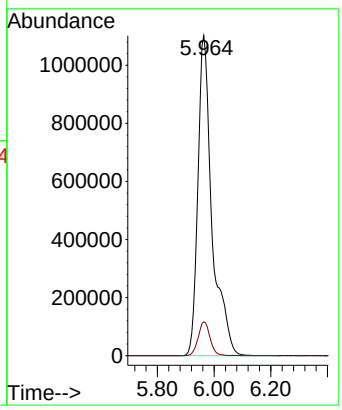


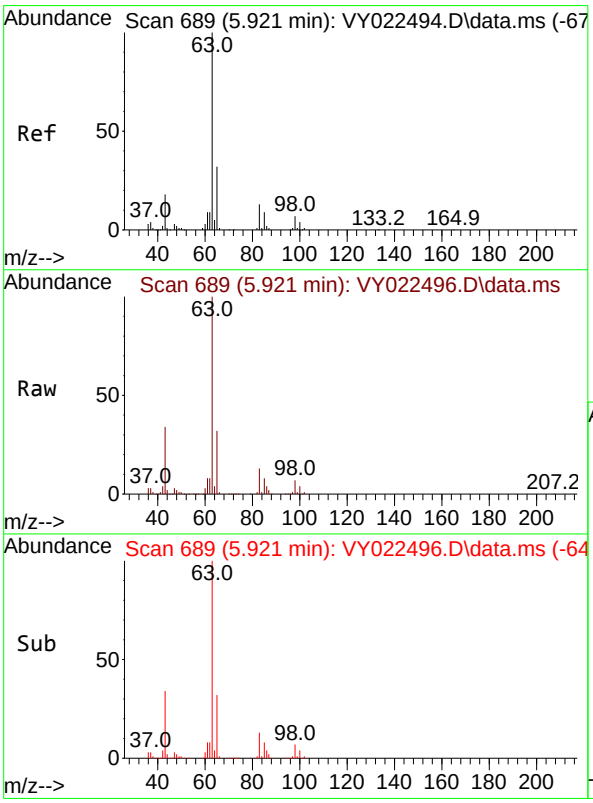
#23
Vinyl Acetate
Concen: 800.629 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3806024

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	12.8

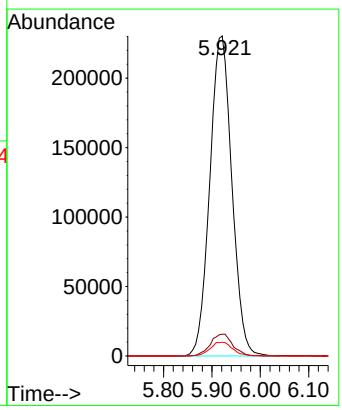


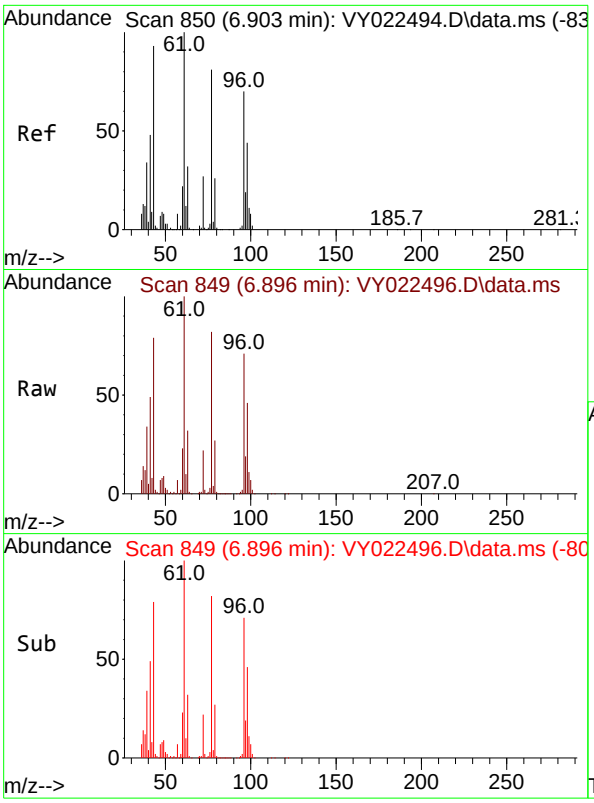


#24
1,1-Dichloroethane
Concen: 154.173 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 730276

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.3



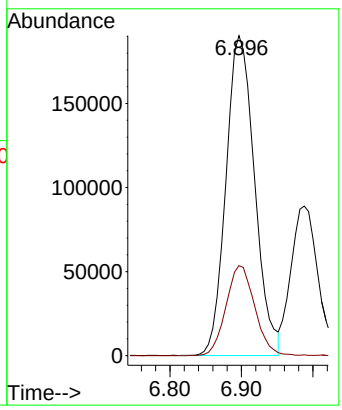


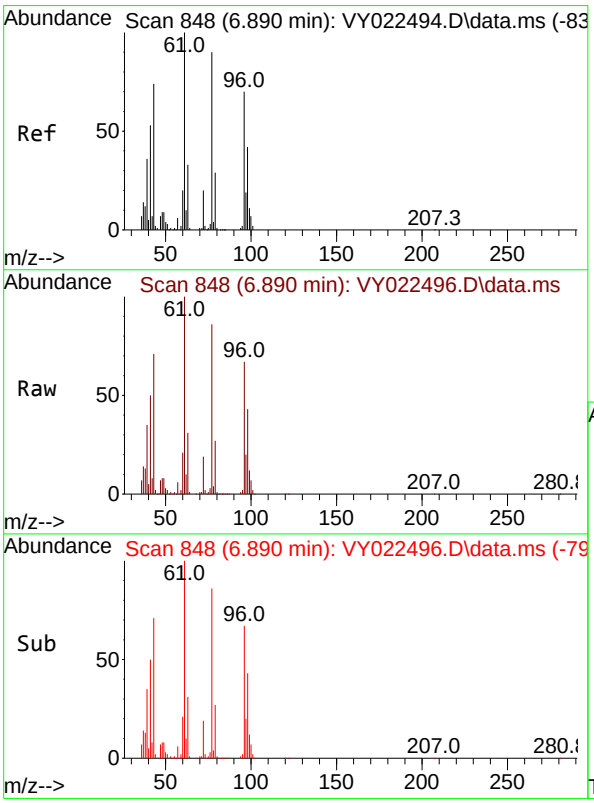
#25
2-Butanone
Concen: 742.386 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 530692

Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.9	34.3

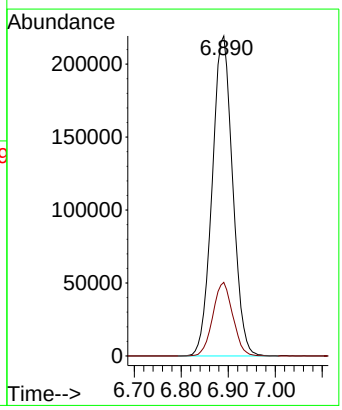


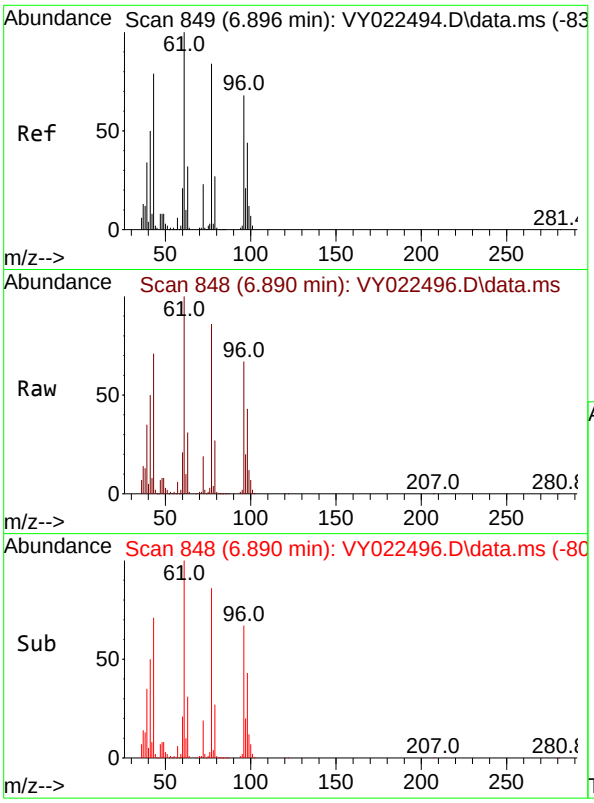


#26
2,2-Dichloropropane
Concen: 157.698 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 77 Resp: 664024

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2



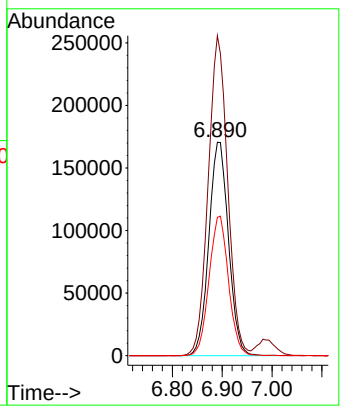


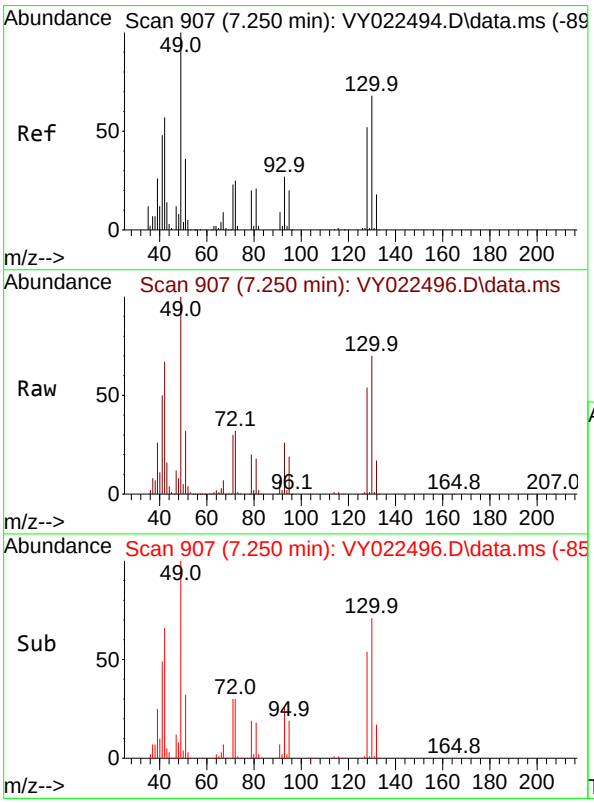
#27
cis-1,2-Dichloroethene
Concen: 156.334 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 466804

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.0
98	64.7	0.0	128.4

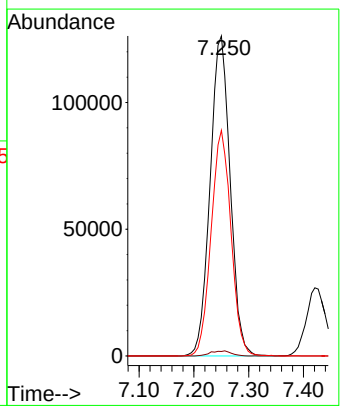


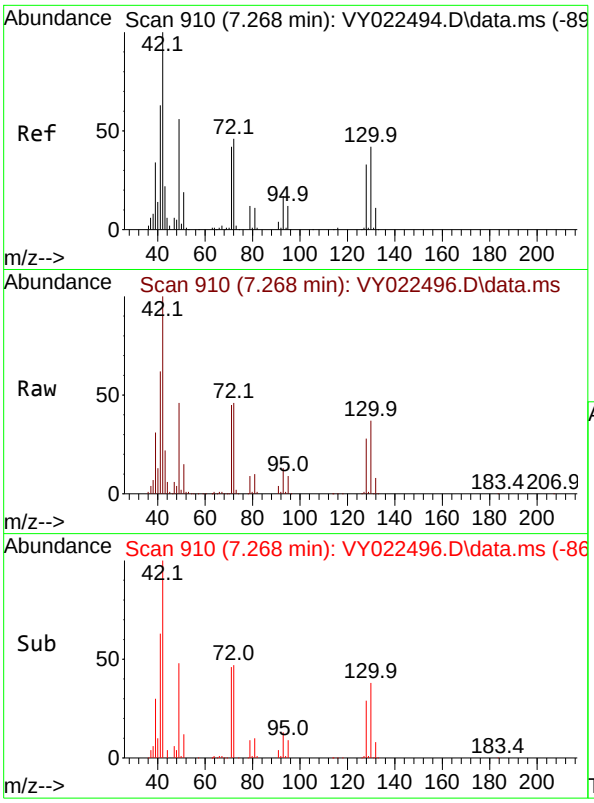


#28
Bromochloromethane
Concen: 156.605 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 49 Resp: 320509

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.8	55.7	83.5



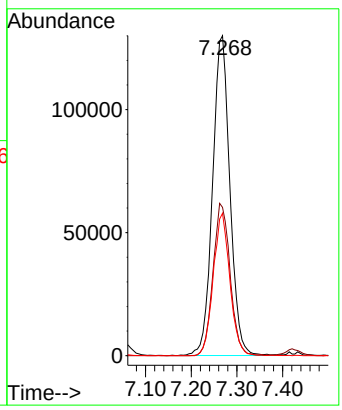


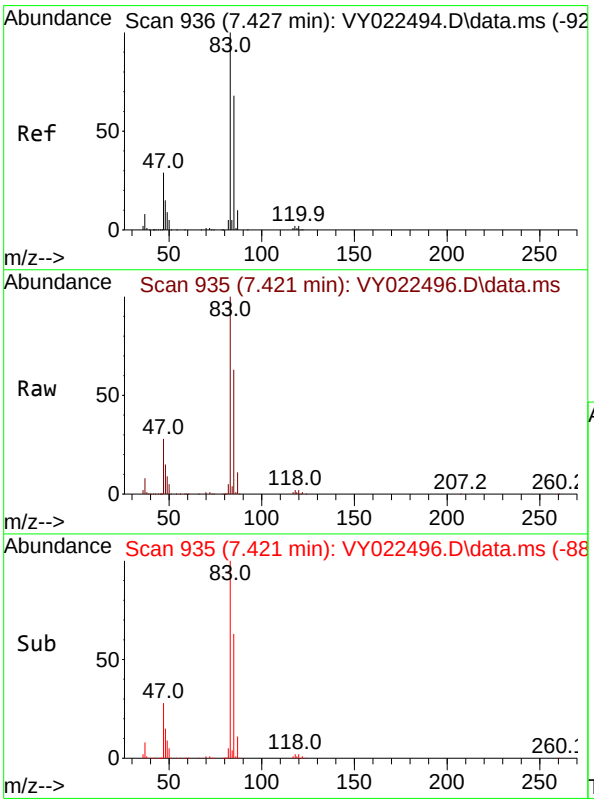
#29
Tetrahydrofuran
Concen: 742.566 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 342435

Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	42.9	34.2	51.2

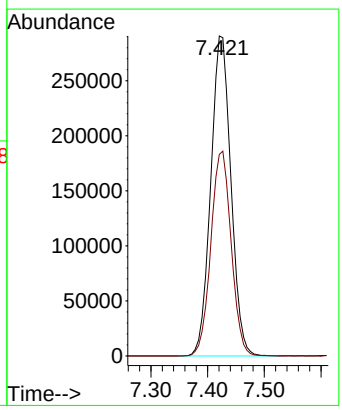


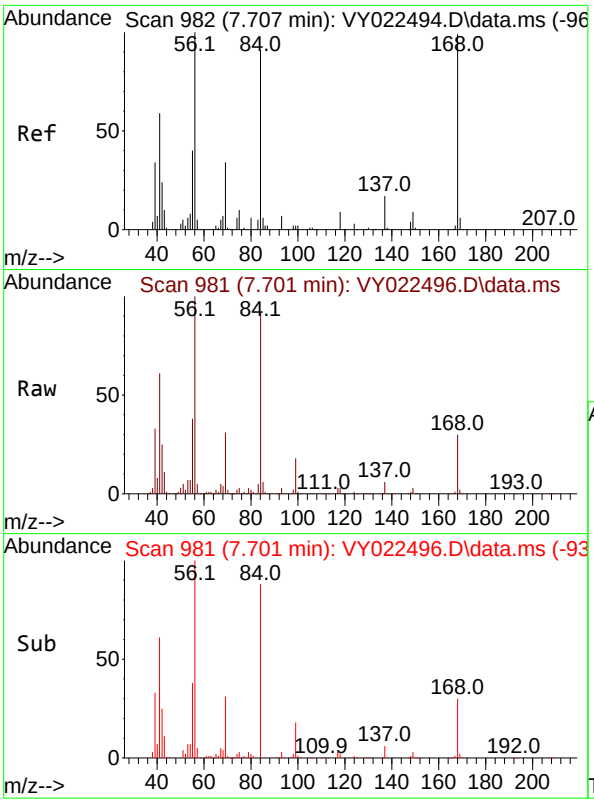


#30
Chloroform
Concen: 153.285 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 717477

Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4



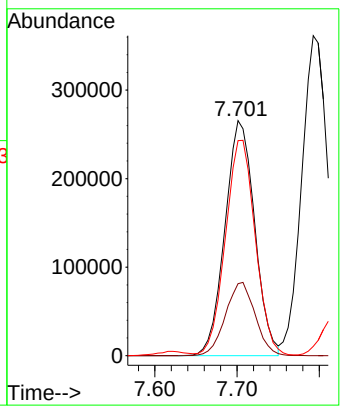


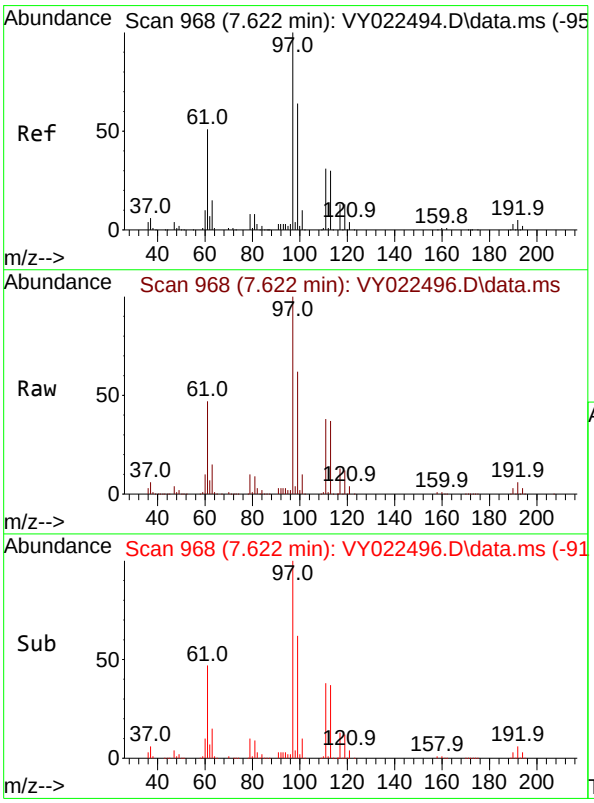
#31
Cyclohexane
Concen: 140.095 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 667836

Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.0	40.6
84	89.9	72.6	109.0

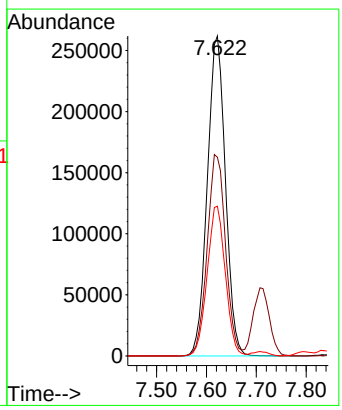


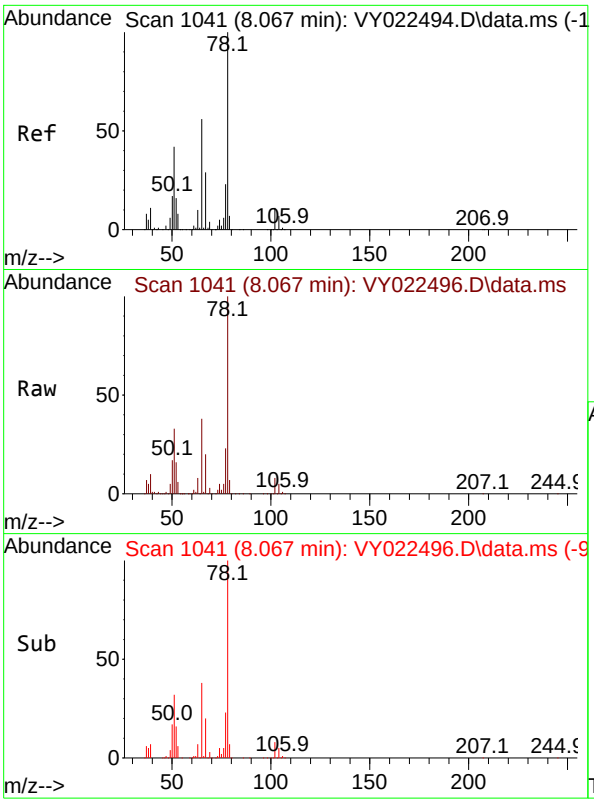


#32
1,1,1-Trichloroethane
Concen: 157.892 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 660456

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	47.2	38.5	57.7



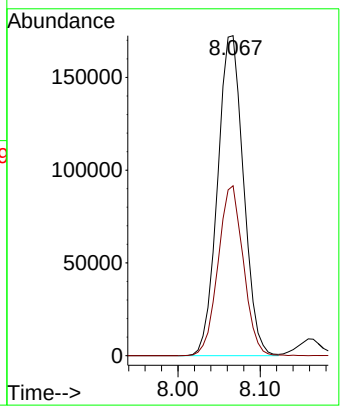


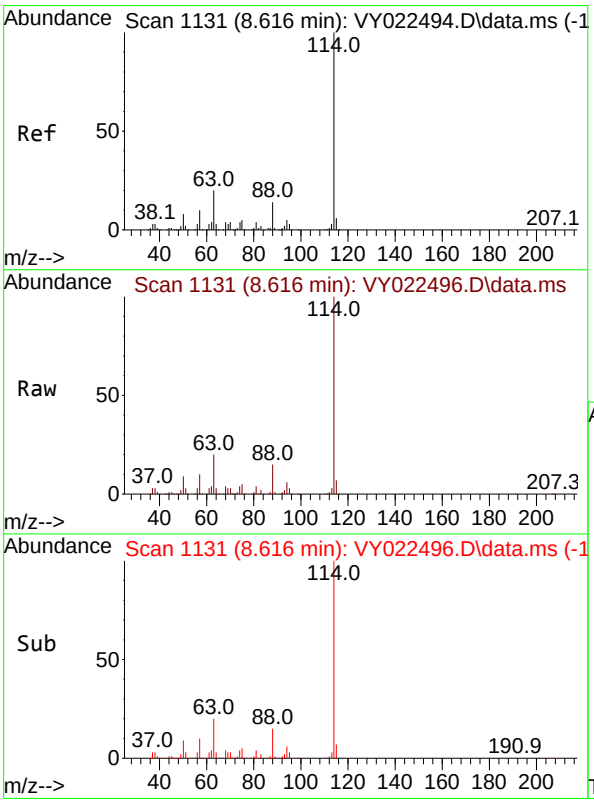
#33
1,2-Dichloroethane-d4
Concen: 154.078 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 377706

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

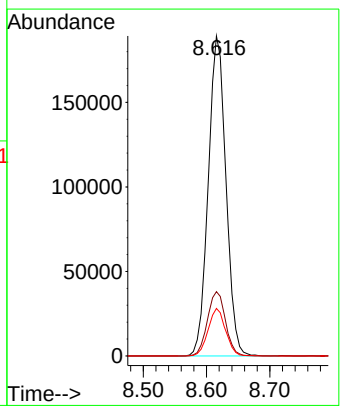


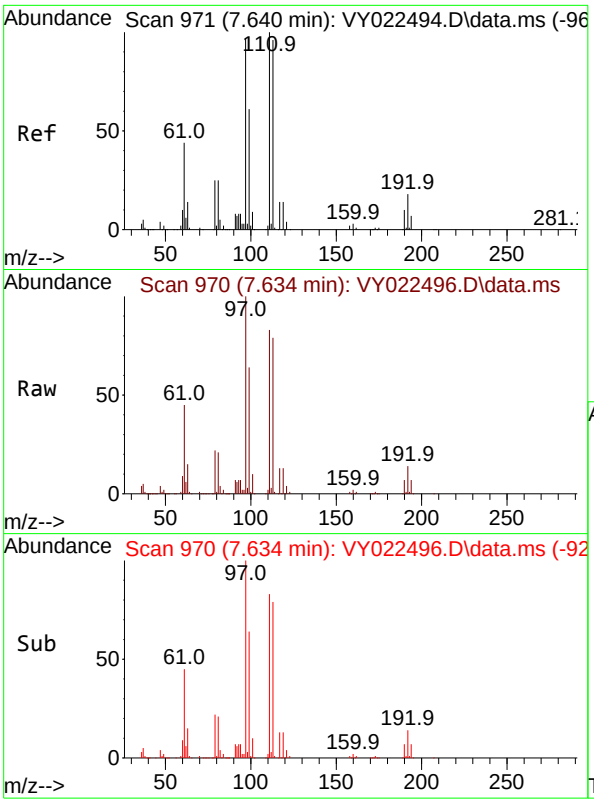


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:114 Resp: 367991

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.8	0.0	27.8



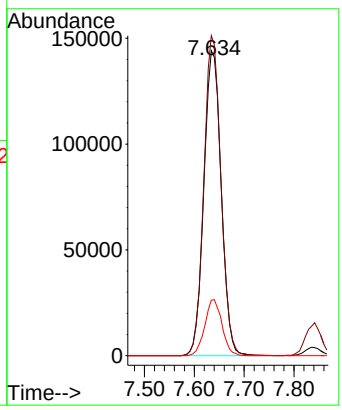


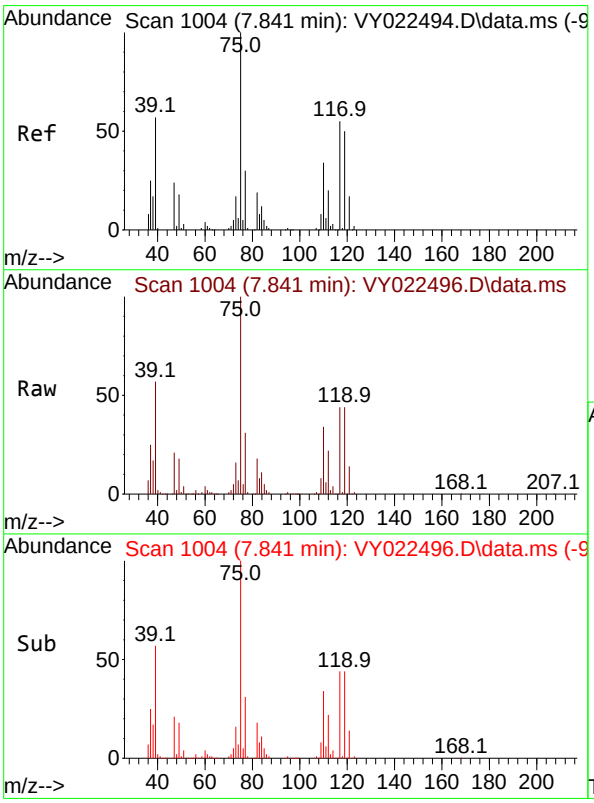
#35
Dibromofluoromethane
Concen: 160.661 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 348038

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	18.2	14.2	21.2

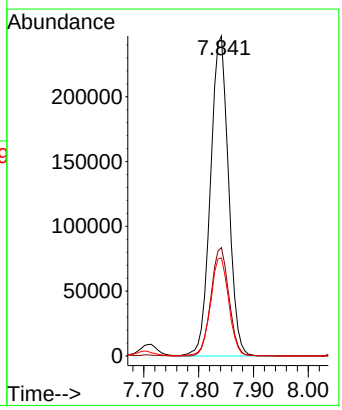


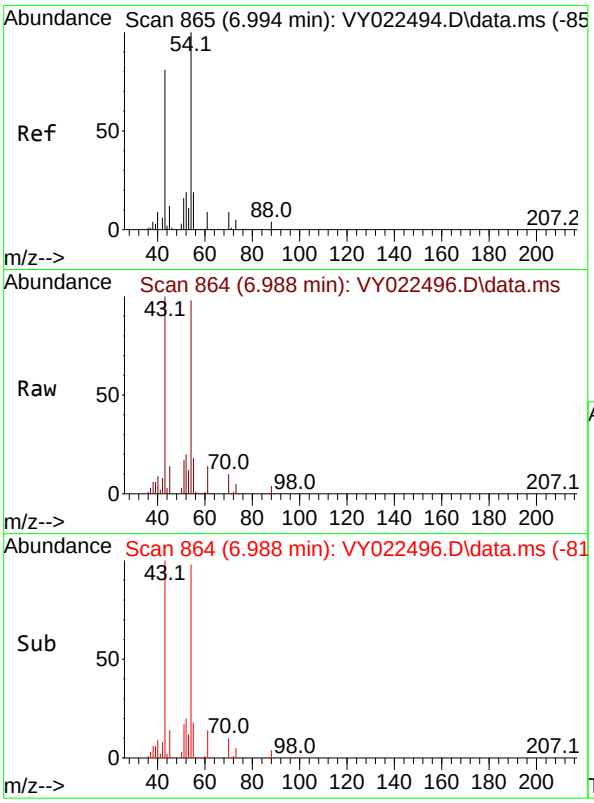


#36
1,1-Dichloropropene
Concen: 160.756 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 562935

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.1	24.8	37.2



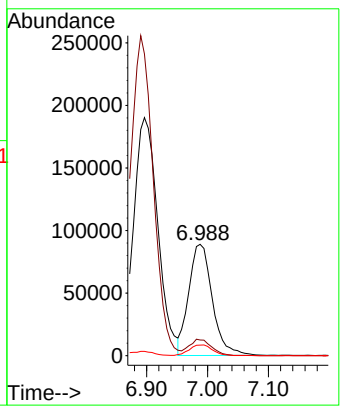


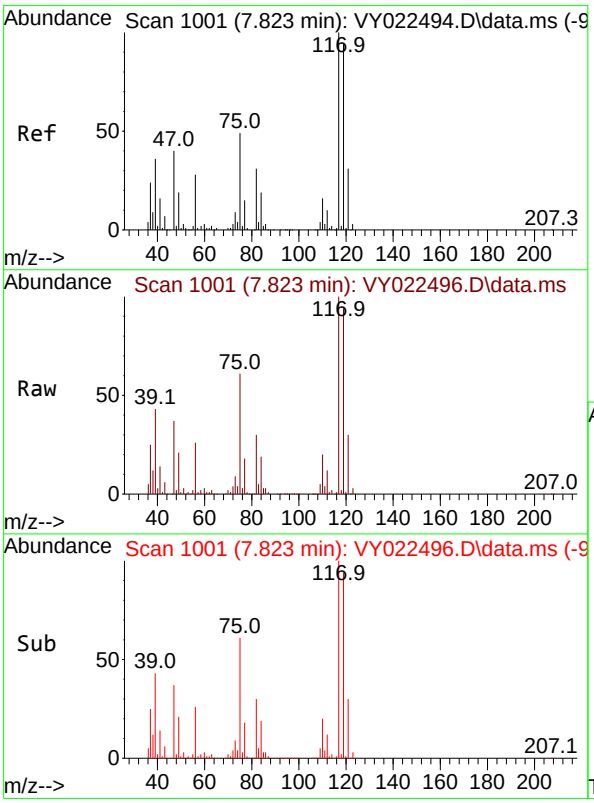
#37
Ethyl Acetate
Concen: 155.059 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 238966

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.4	7.2	10.8

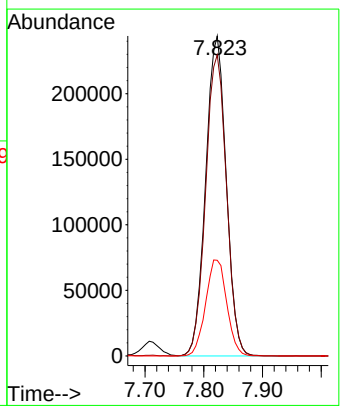


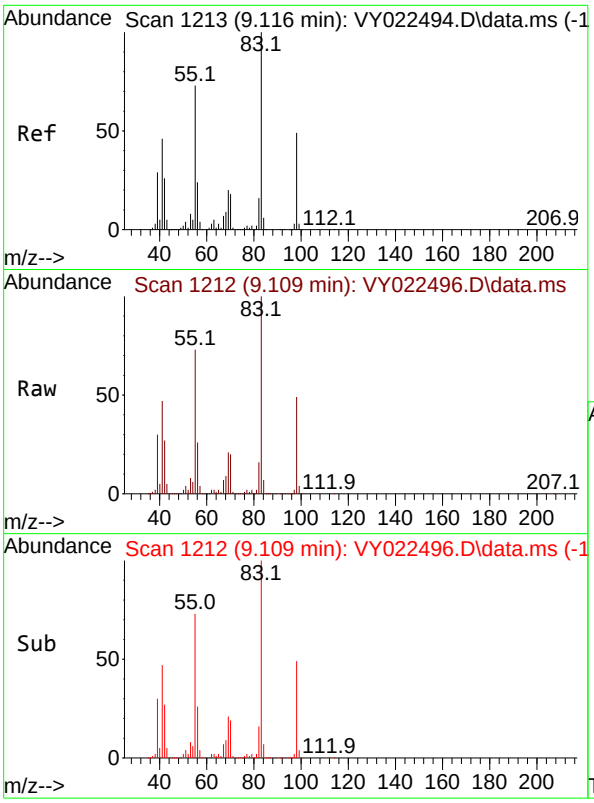


#38
Carbon Tetrachloride
Concen: 164.311 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 593167

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
121	29.9	25.0	37.4



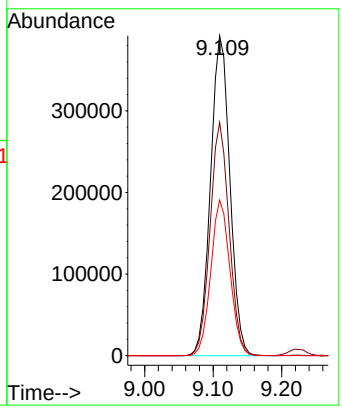


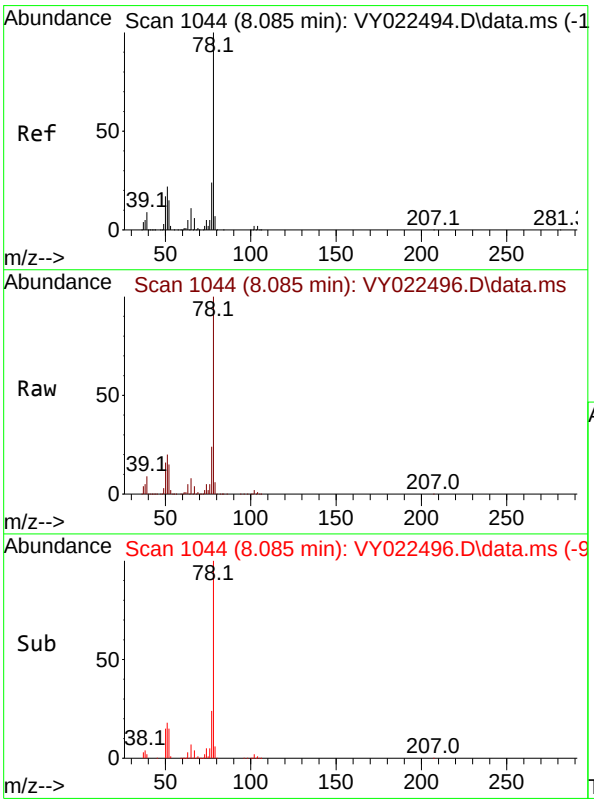
#39
Methylcyclohexane
Concen: 162.851 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 770382

Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.1	87.1
98	48.7	39.0	58.6

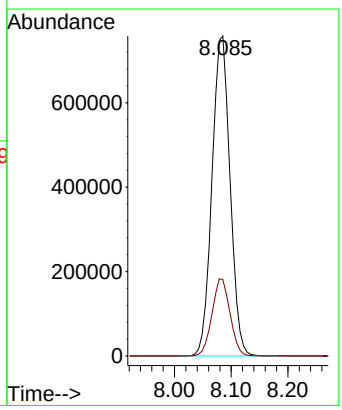


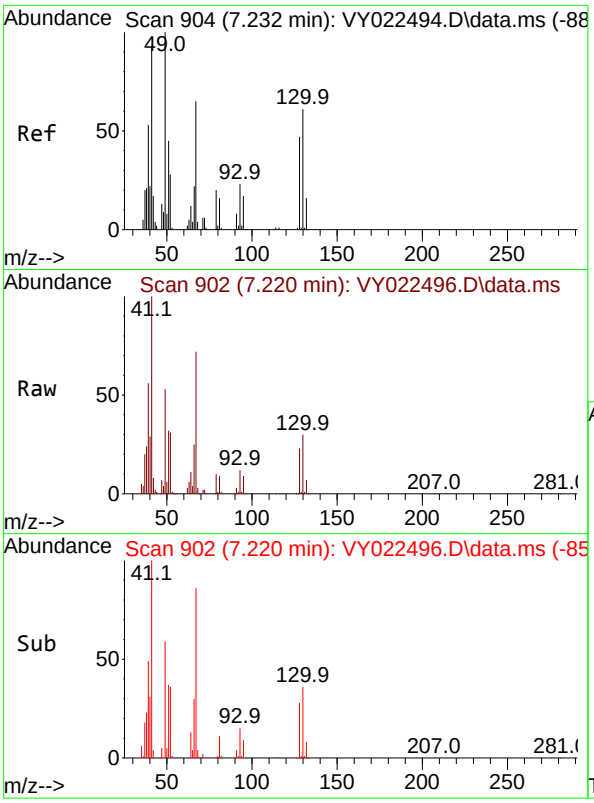


#40
Benzene
Concen: 162.332 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 78 Resp: 1675603

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9



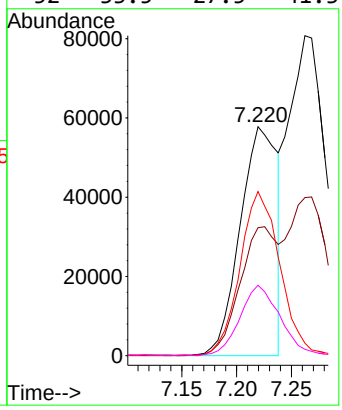


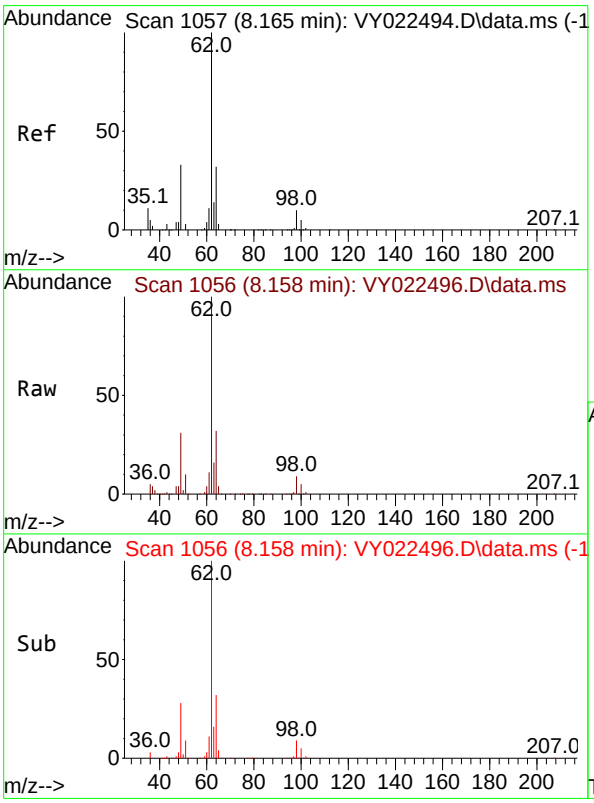
#41
Methacrylonitrile
Concen: 137.523 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 136495

Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	77.5	63.3	94.9
52	33.5	27.5	41.3

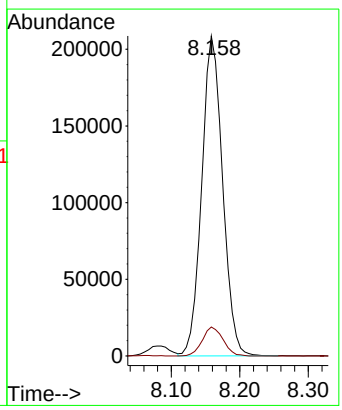


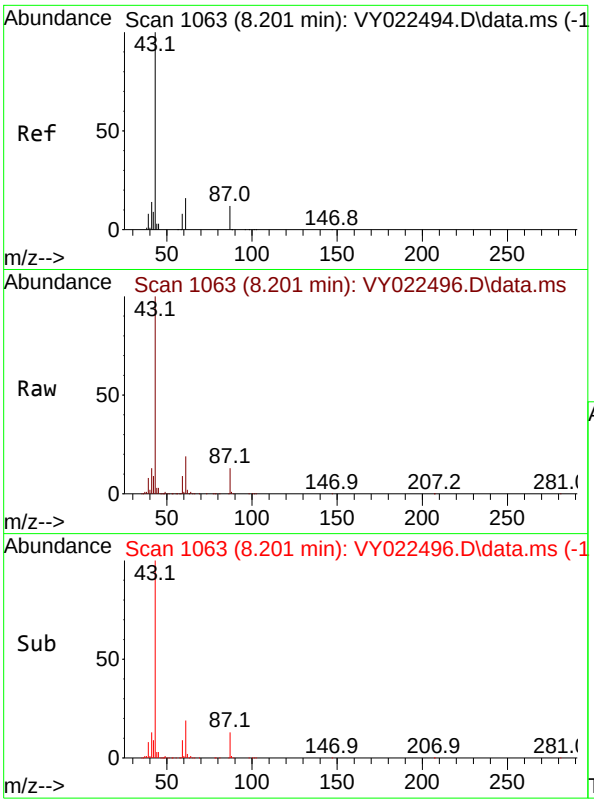


#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 442216

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



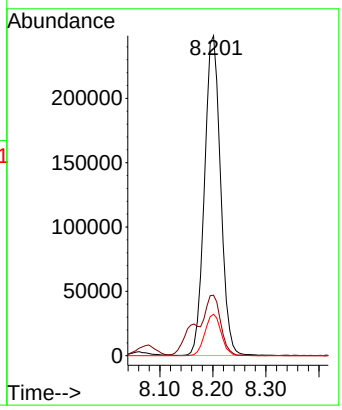


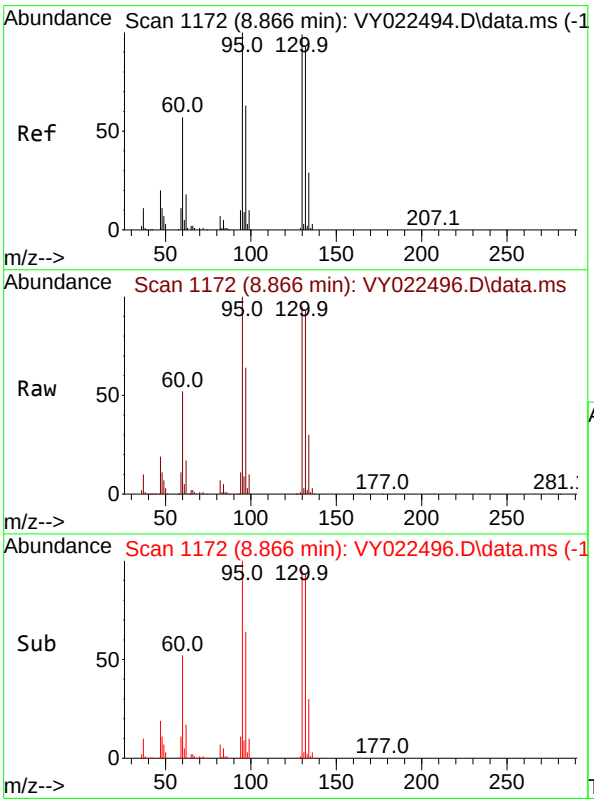
#43
Isopropyl Acetate
Concen: 155.250 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 522842

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.6	23.4
87	13.1	10.2	15.4

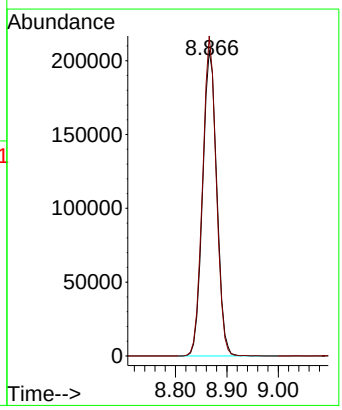


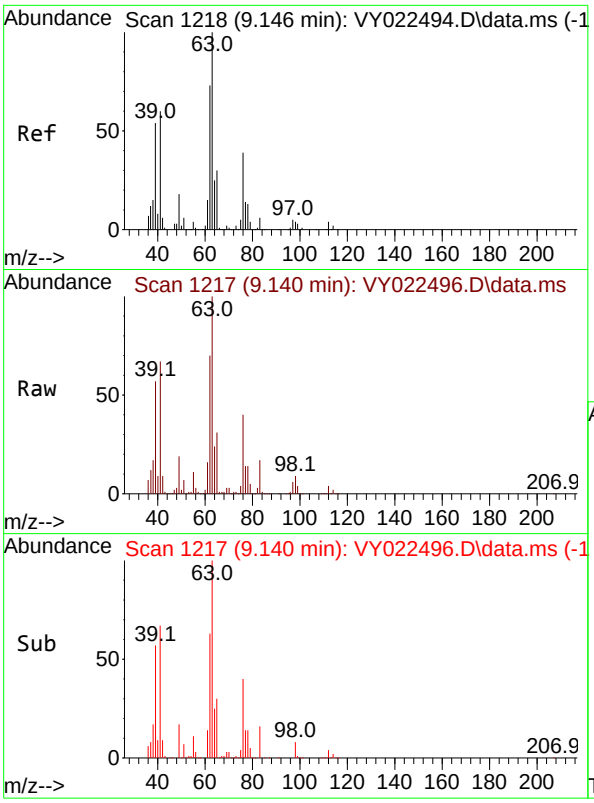


#44
Trichloroethene
Concen: 156.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:130 Resp: 394832

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.0



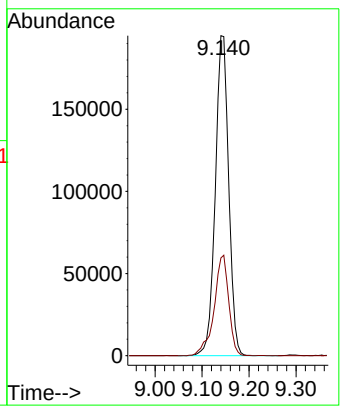


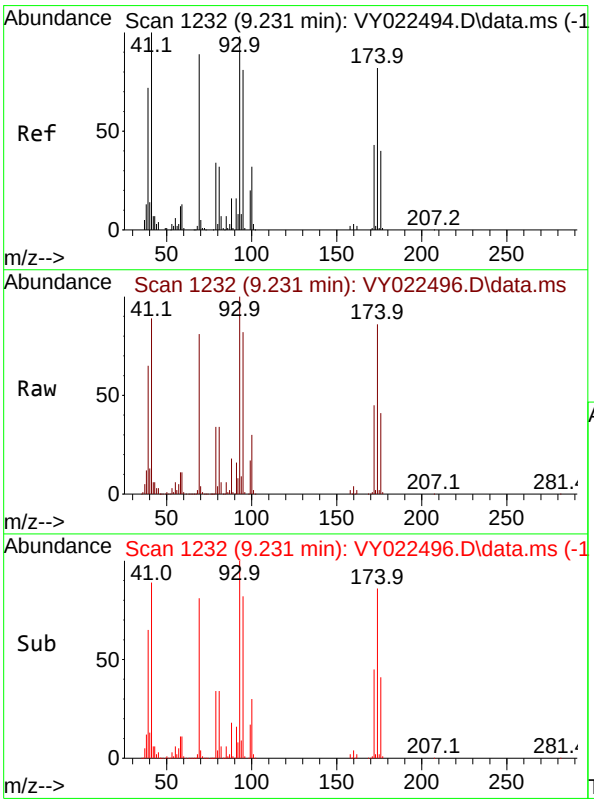
#45
1,2-Dichloropropane
Concen: 156.539 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 385206

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.0	36.0

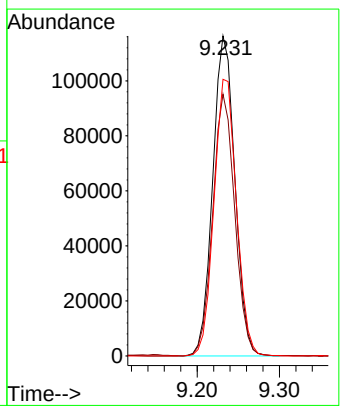


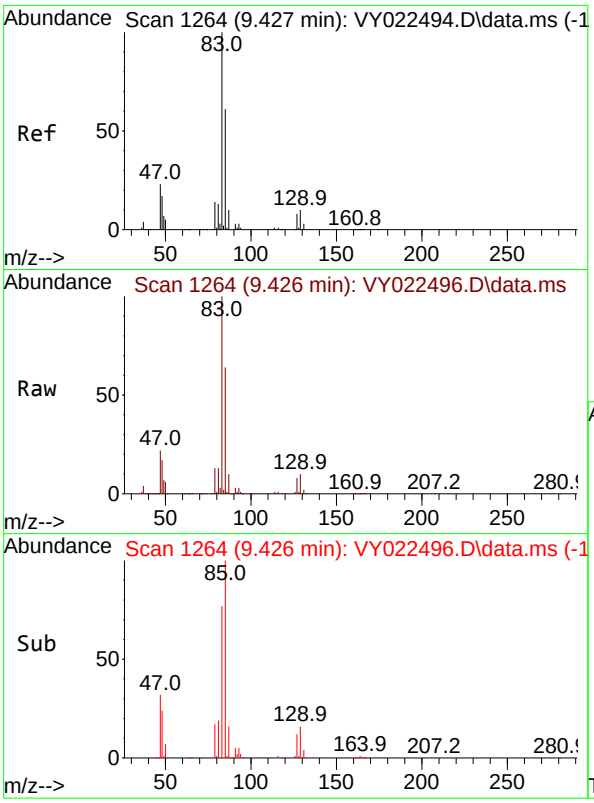


#46
Dibromomethane
Concen: 158.140 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 93 Resp: 218014

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.6	98.4
174	87.8	70.4	105.6



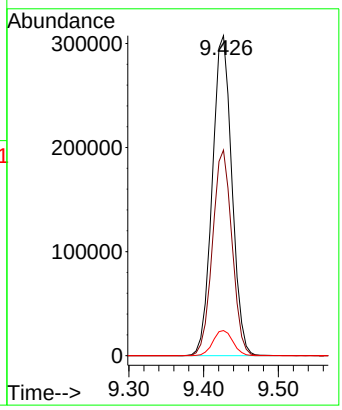


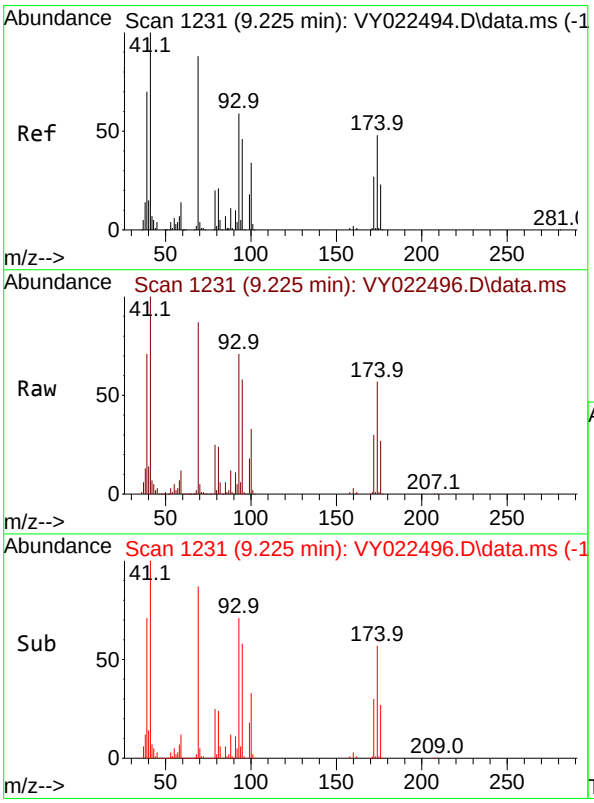
#47
Bromodichloromethane
Concen: 160.221 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 560425

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.1	73.7
127	7.9	6.2	9.4

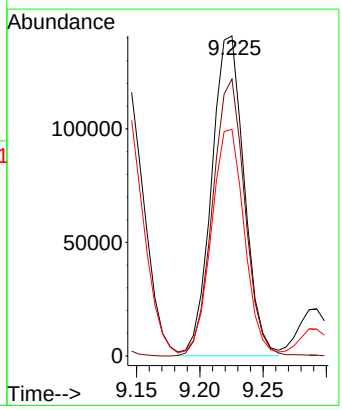


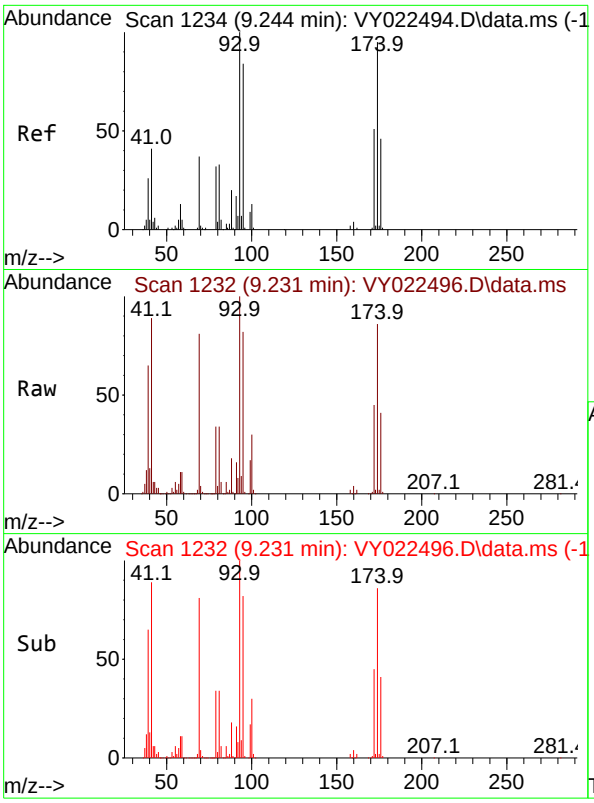


#48
Methyl methacrylate
Concen: 163.897 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 252724

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	69.7	55.0	82.4



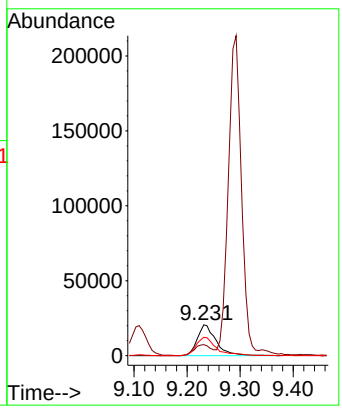


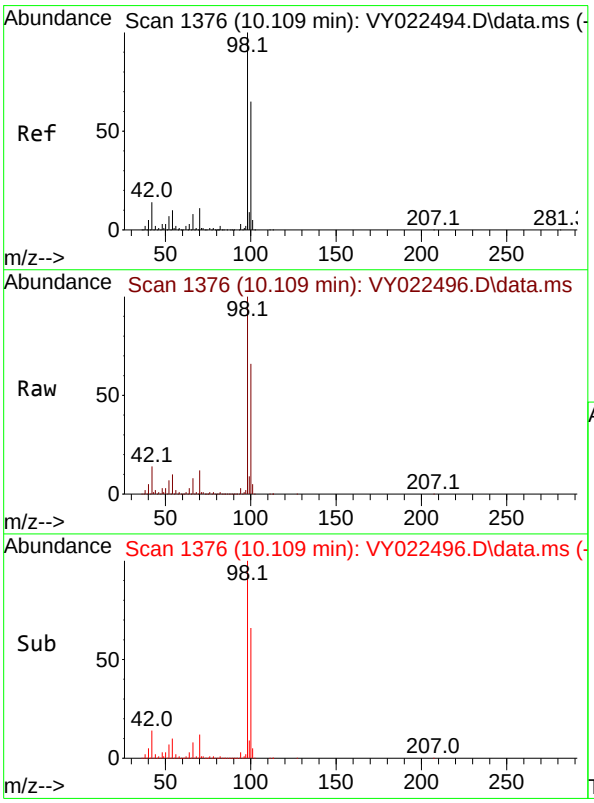
#49
1,4-Dioxane
Concen: 3093.301 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 50874

Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.4	38.2
58	64.1	54.9	82.3

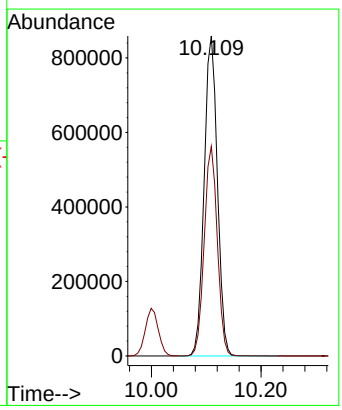


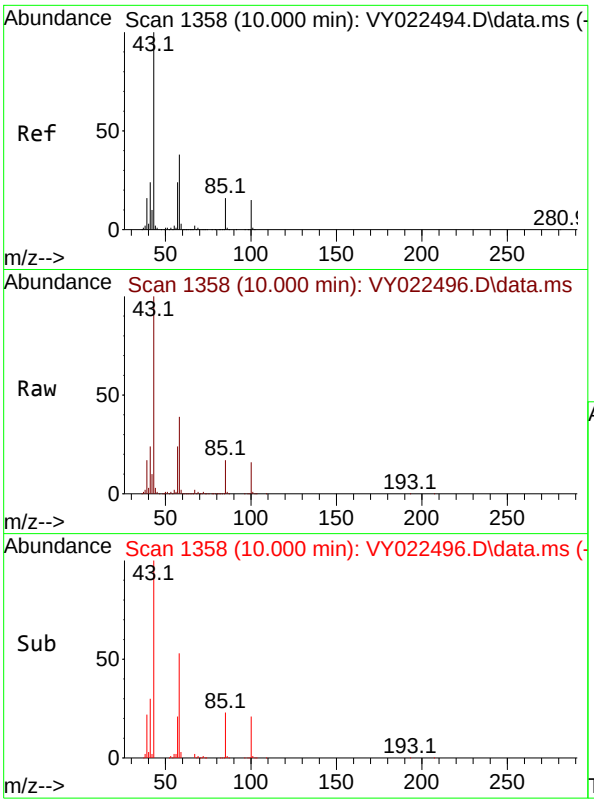


#50
Toluene-d8
Concen: 163.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 98 Resp: 1432587

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0



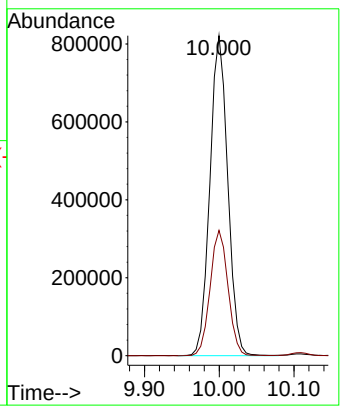


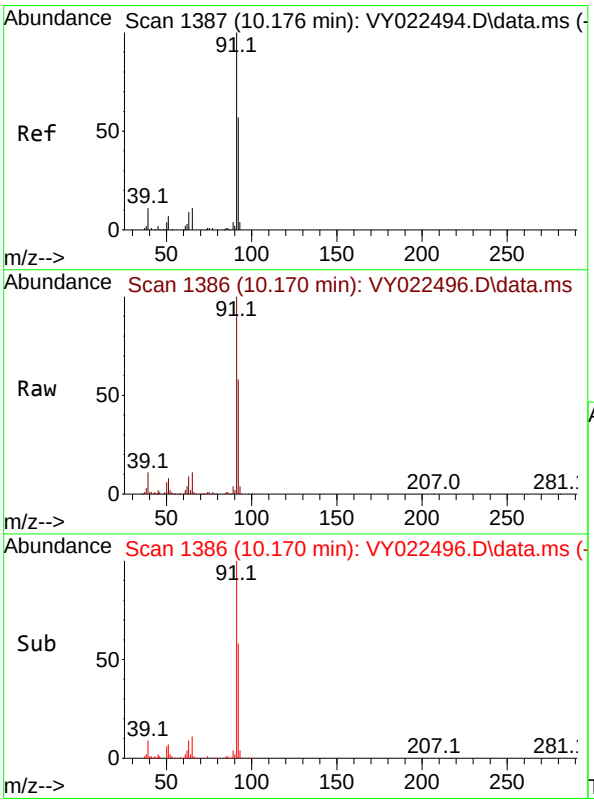
#51
4-Methyl-2-Pentanone
Concen: 812.744 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1358512

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

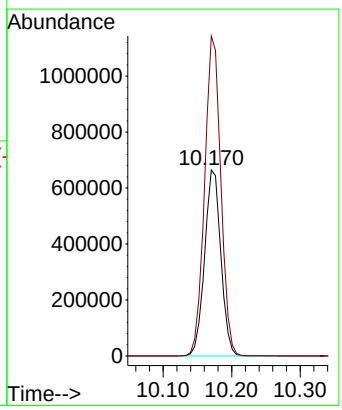


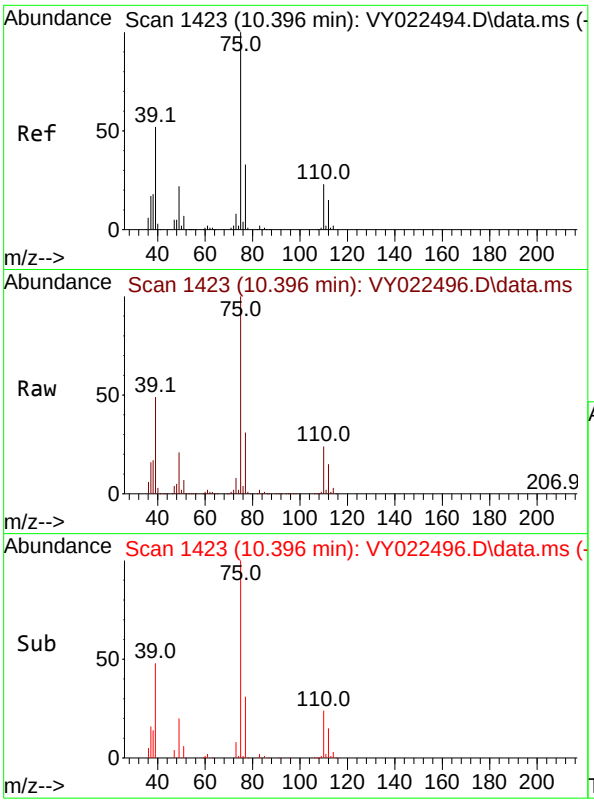


#52
Toluene
Concen: 168.447 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 92 Resp: 1093200

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4



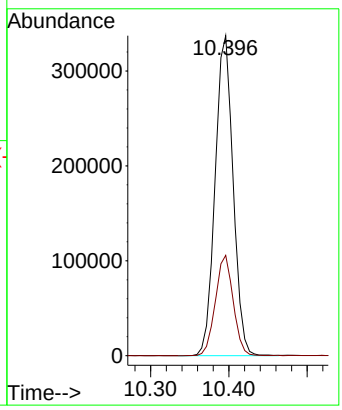


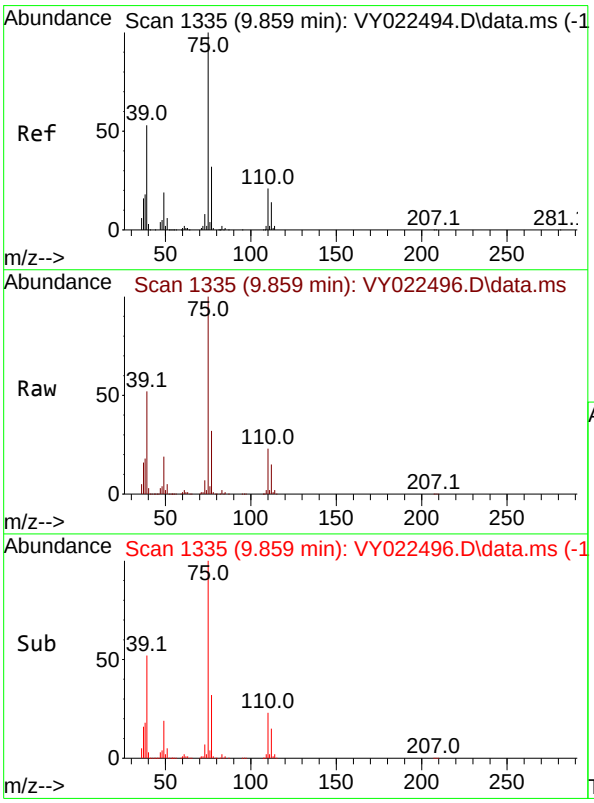
#53
t-1,3-Dichloropropene
Concen: 166.237 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 537922

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.5	39.7

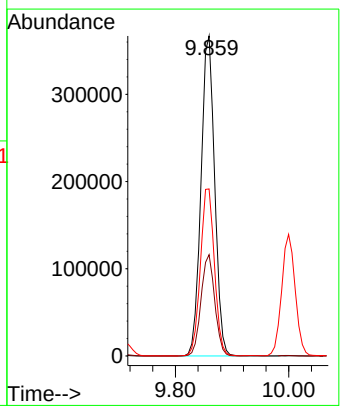


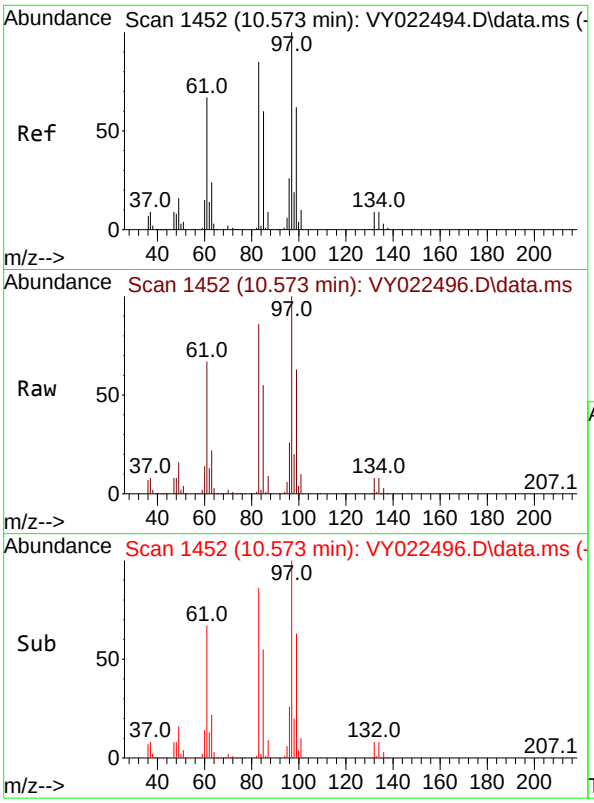


#54
cis-1,3-Dichloropropene
Concen: 162.259 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 615667

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	52.2	42.7	64.1



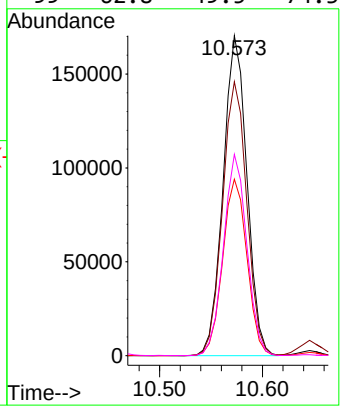


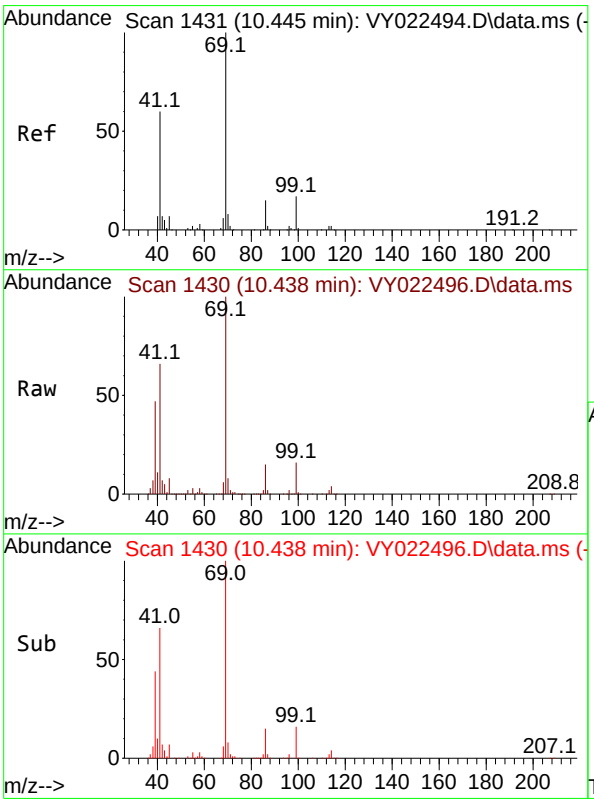
#55
1,1,2-Trichloroethane
Concen: 158.086 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 274460

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.1	102.1
85	55.1	48.2	72.2
99	62.8	49.5	74.3

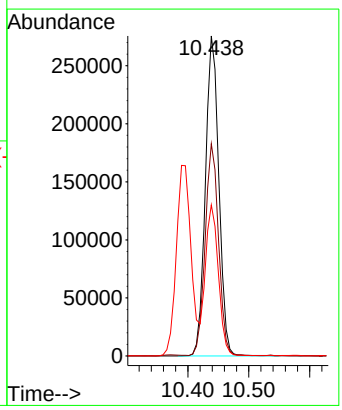


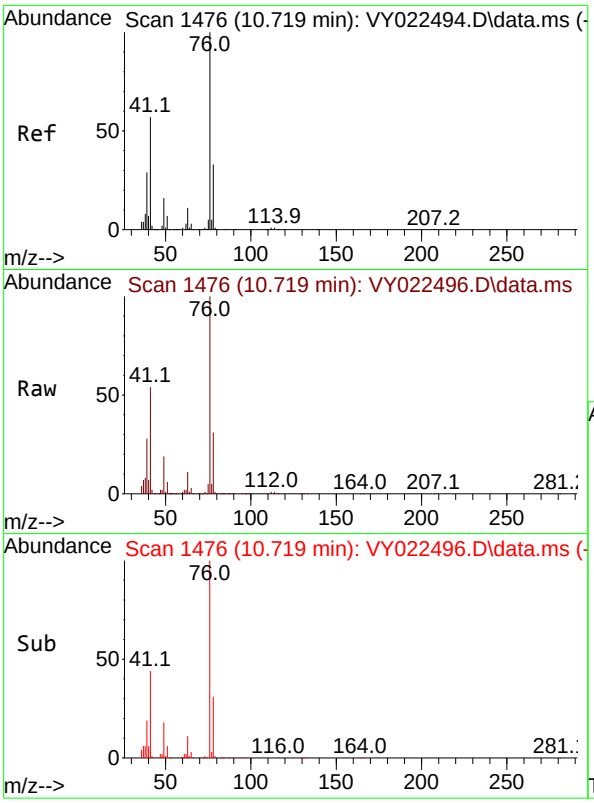


#56
Ethyl methacrylate
Concen: 167.865 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 69 Resp: 423233

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.2	78.2
39	44.7	36.7	55.1



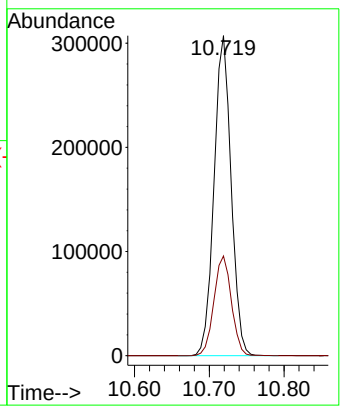


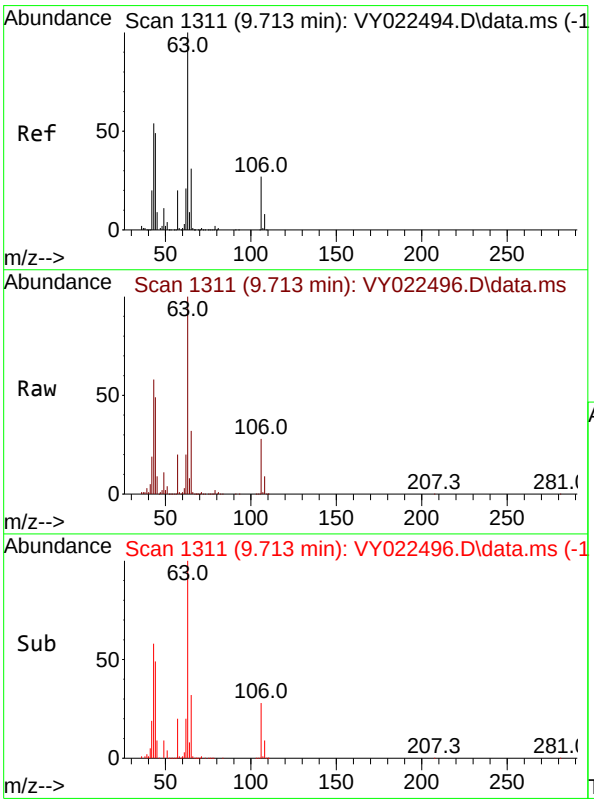
#57
1,3-Dichloropropane
Concen: 158.010 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 488570

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

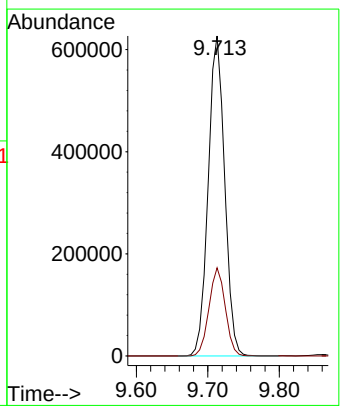


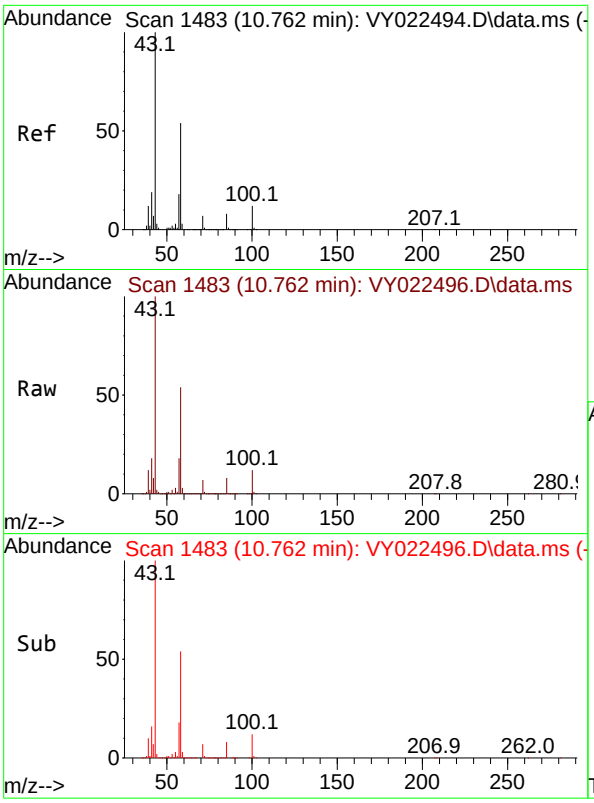


#58
2-Chloroethyl Vinyl ether
Concen: 890.345 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 1000760

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4



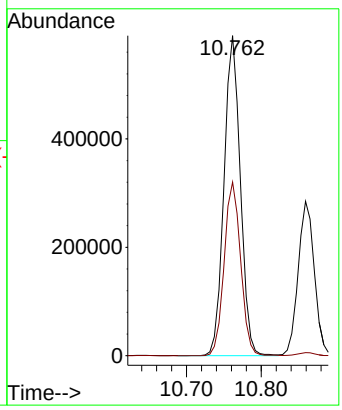


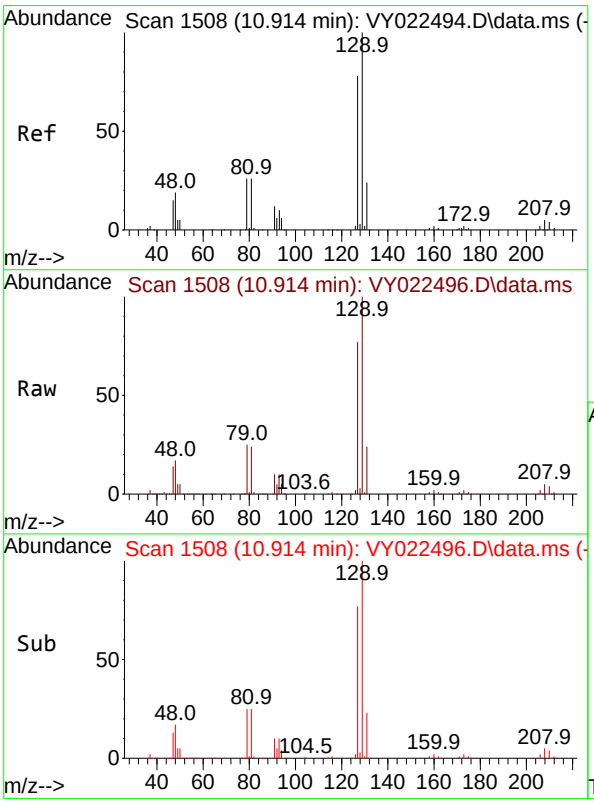
#59
2-Hexanone
Concen: 804.699 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 896627

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

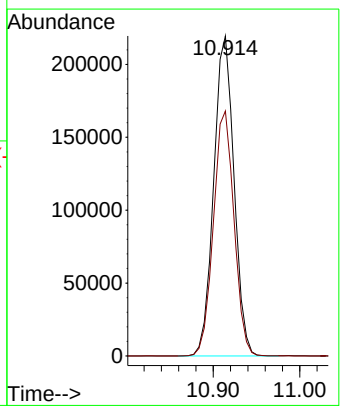


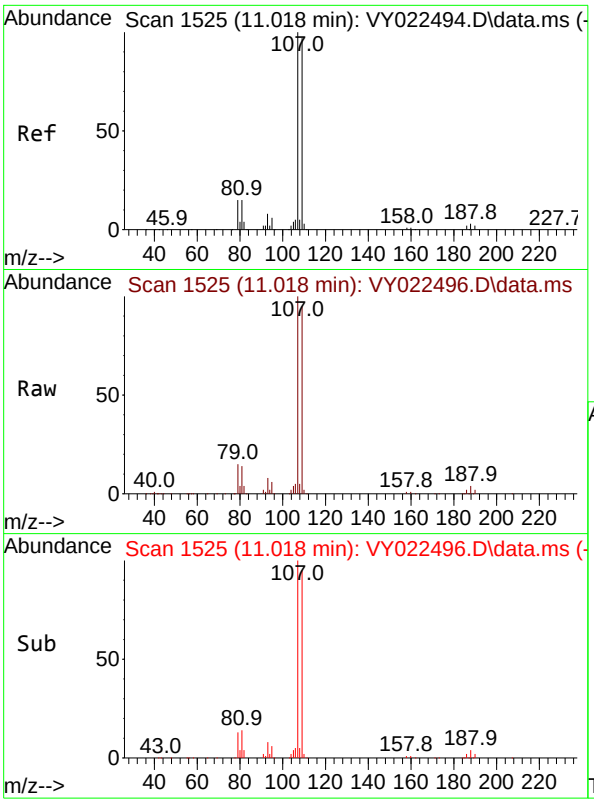


#60
Dibromochloromethane
Concen: 162.227 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:129 Resp: 356873

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2



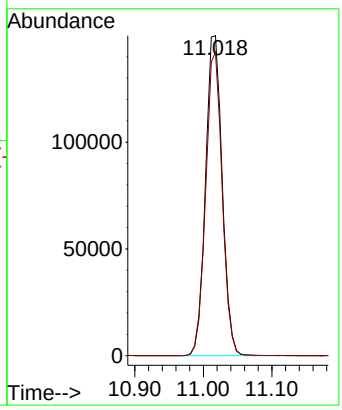


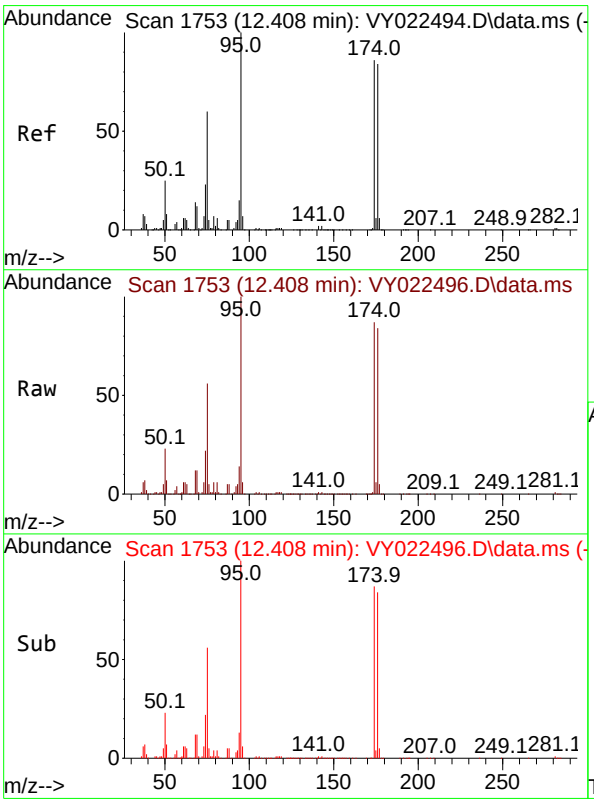
#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 254128

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.7	116.5

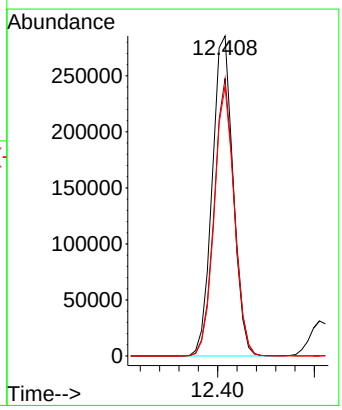


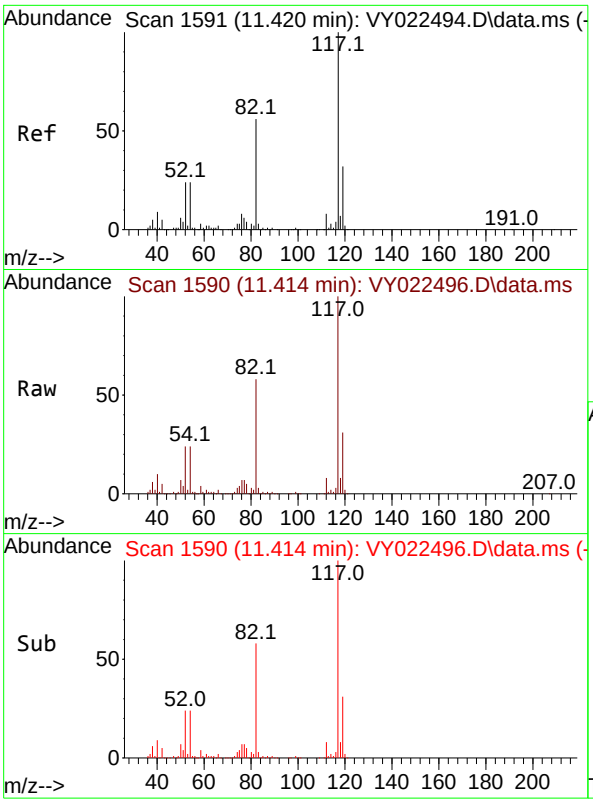


#62
4-Bromofluorobenzene
Concen: 160.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 95 Resp: 426573

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	170.0
176	81.1	0.0	166.2



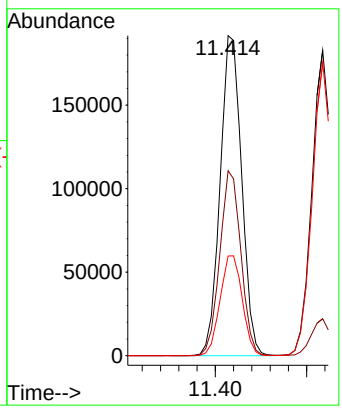


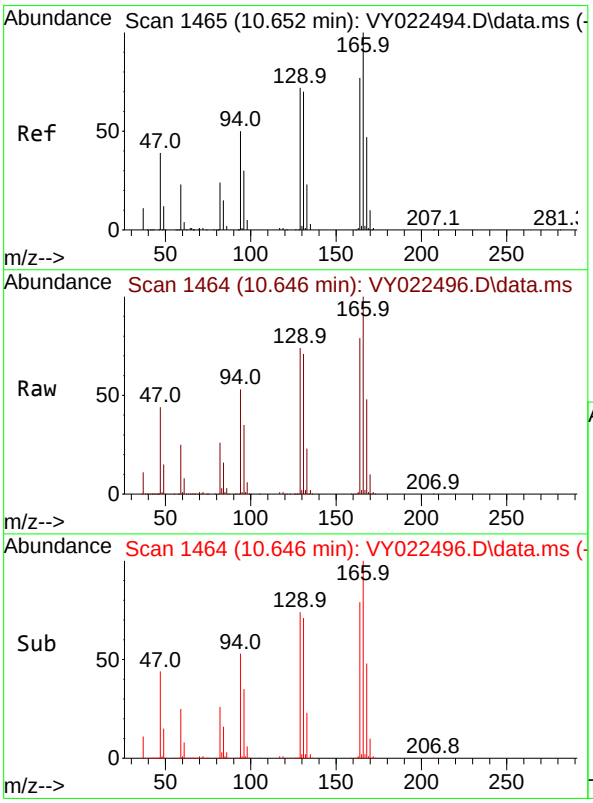
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 313951

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.2	25.4	38.0

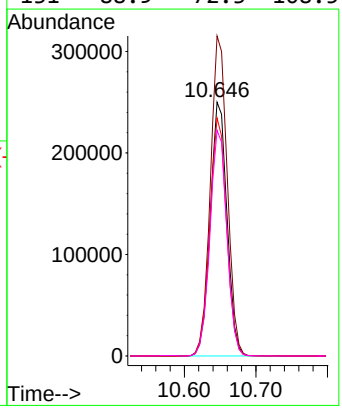


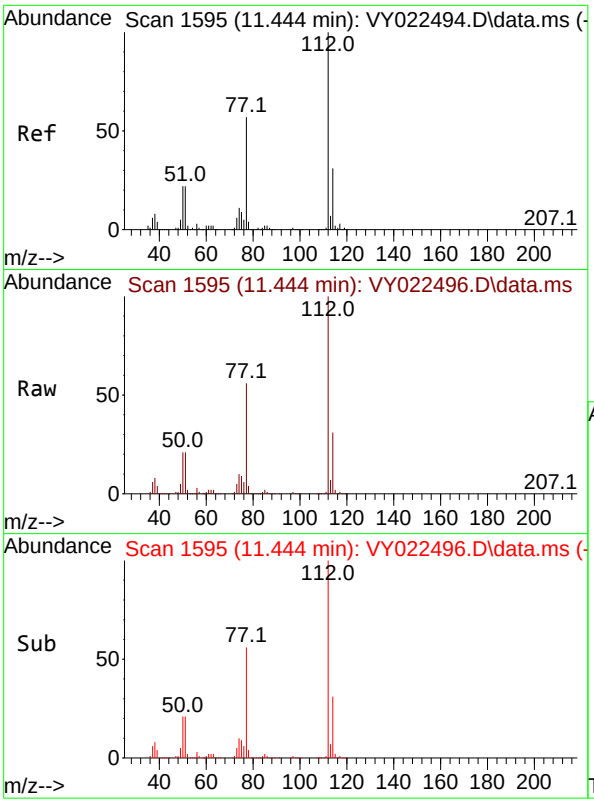


#64
Tetrachloroethene
Concen: 152.453 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:164 Resp: 406758

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.0	156.0
129	93.8	74.5	111.7
131	88.9	72.3	108.5



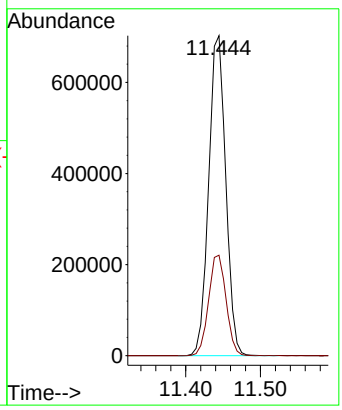


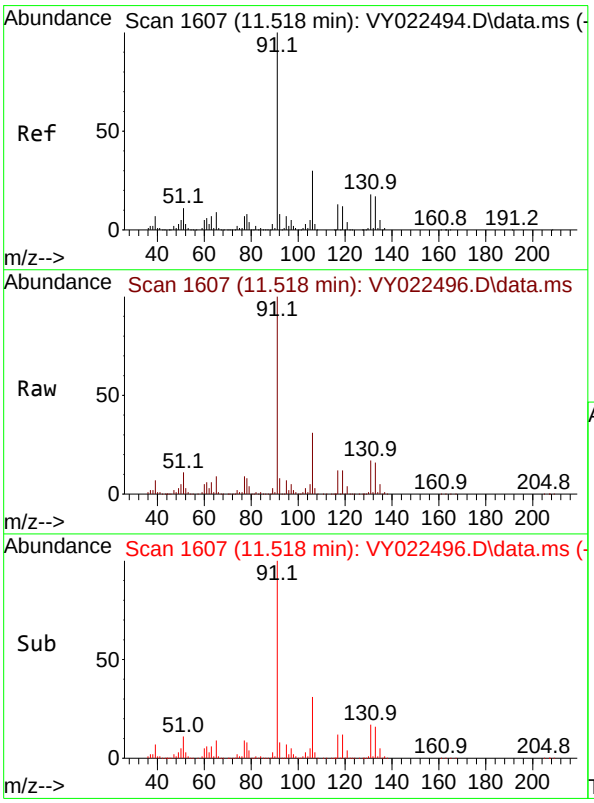
#65
Chlorobenzene
Concen: 163.544 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1113347

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6

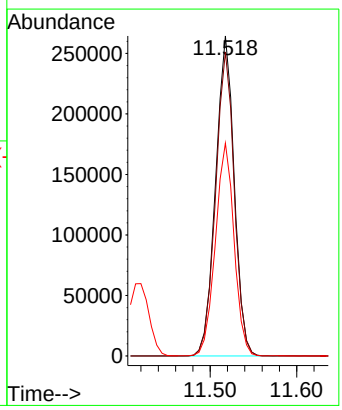


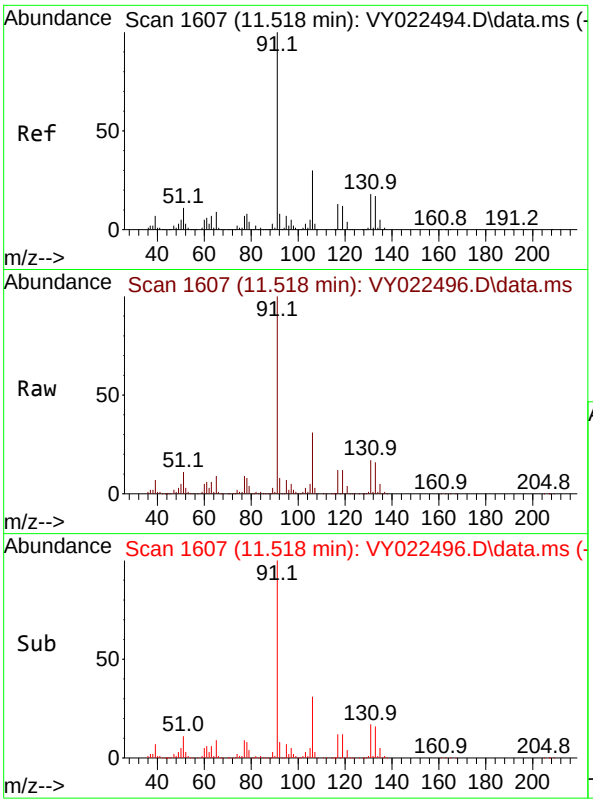


#66
1,1,1,2-Tetrachloroethane
Concen: 171.190 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:131 Resp: 395046

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.8
119	66.8	33.1	99.3



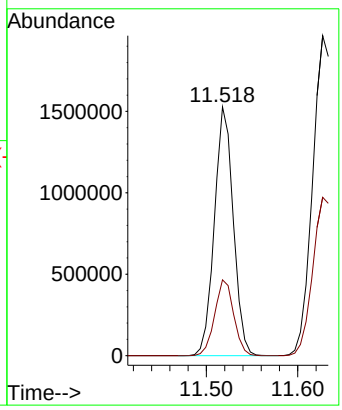


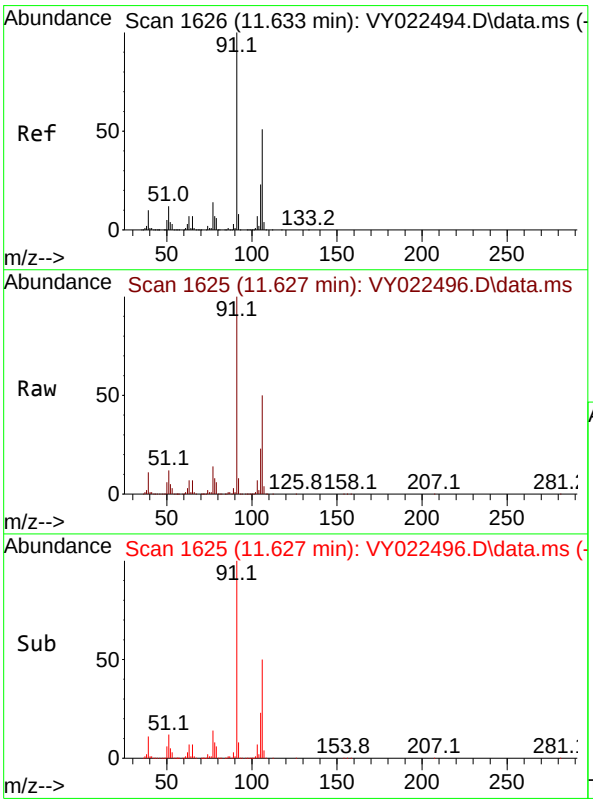
#67
Ethyl Benzene
Concen: 173.285 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2196819

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

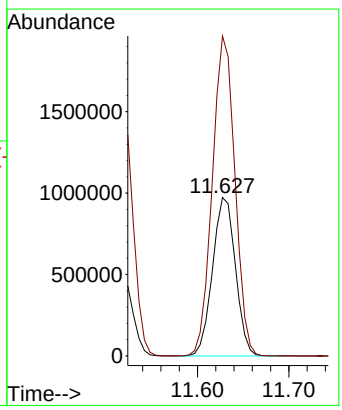


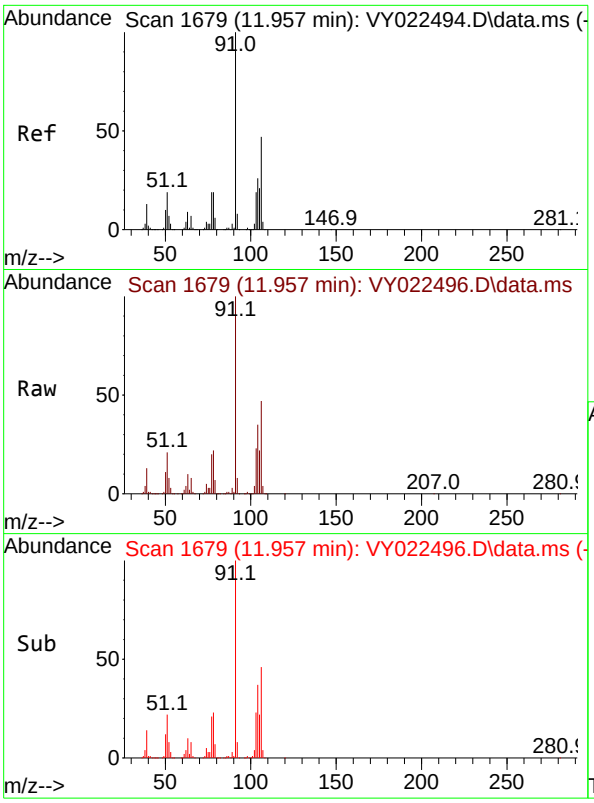


#68
m/p-Xylenes
Concen: 353.103 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 1694177

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0



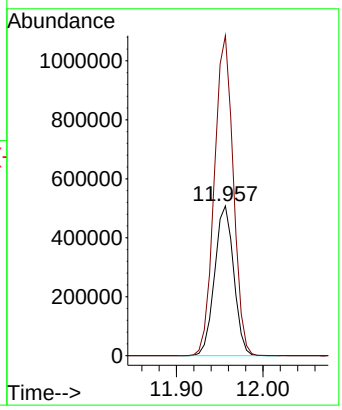


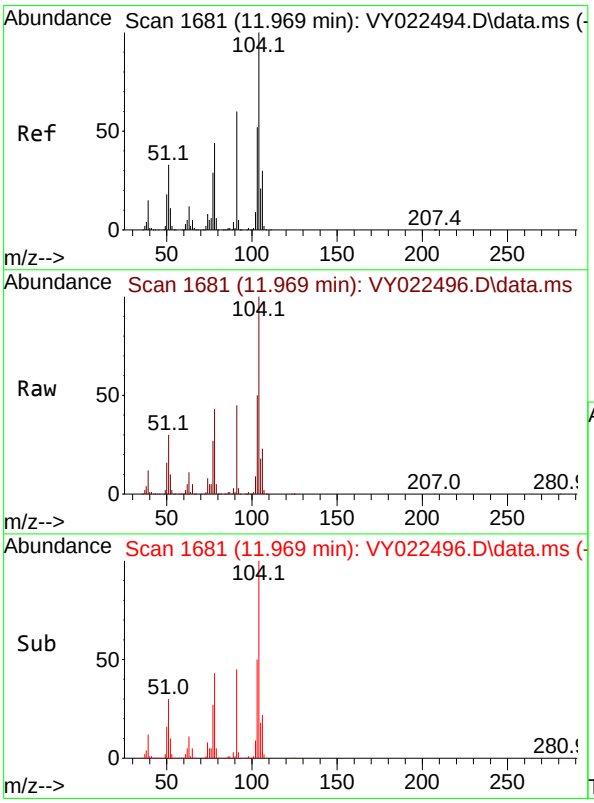
#69
o-Xylene
Concen: 173.188 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 777688

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

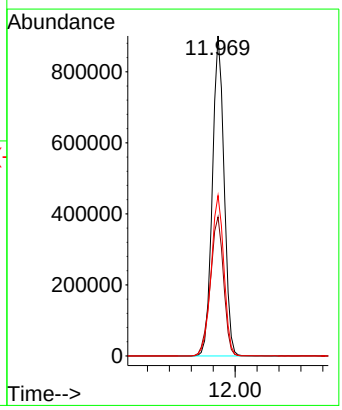


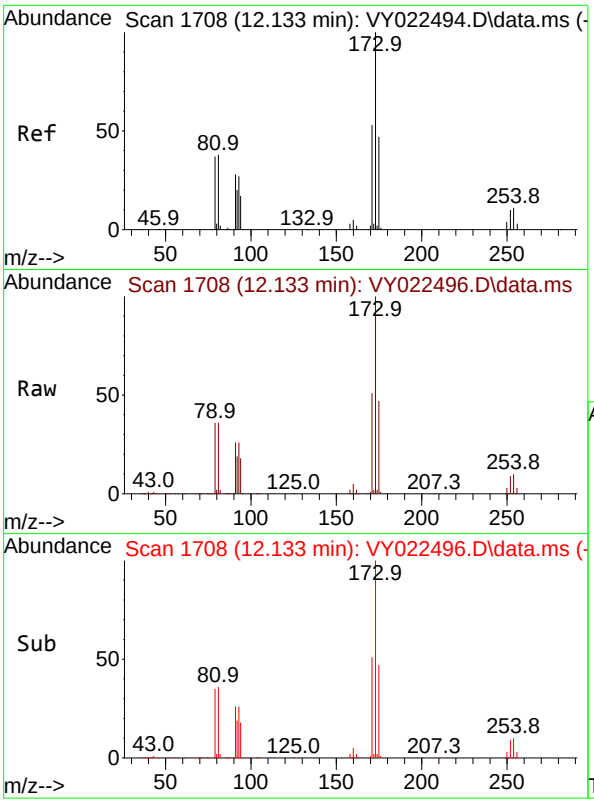


#70
Styrene
Concen: 179.564 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:104 Resp: 1334986

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	54.6	44.1	66.1



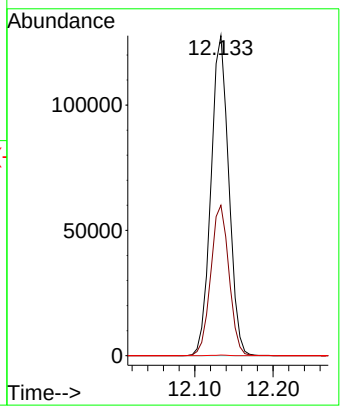


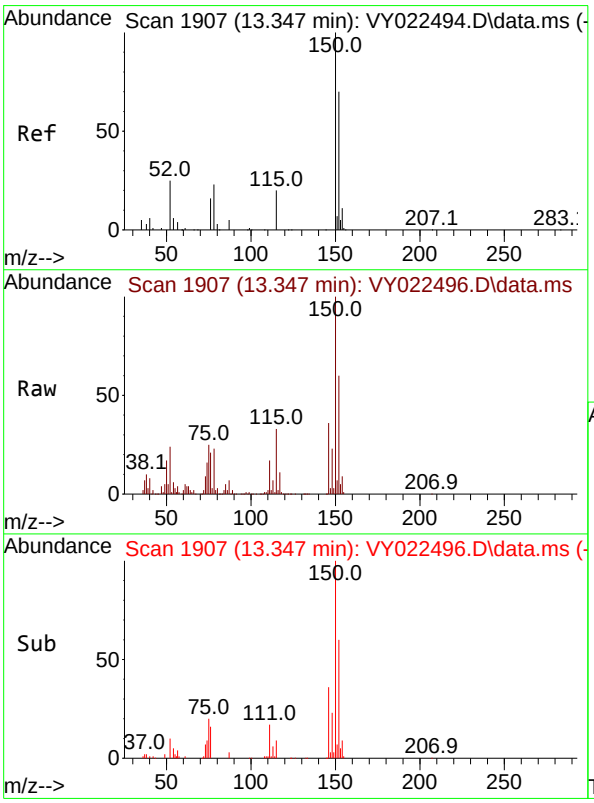
#71
Bromoform
Concen: 166.138 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 201469

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.5
254	0.2	0.0	0.0#

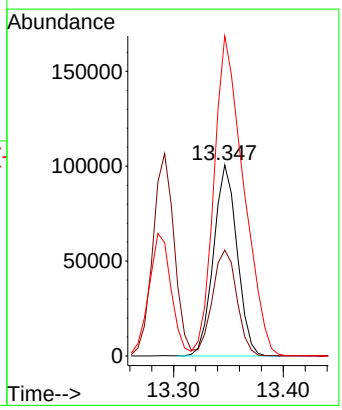


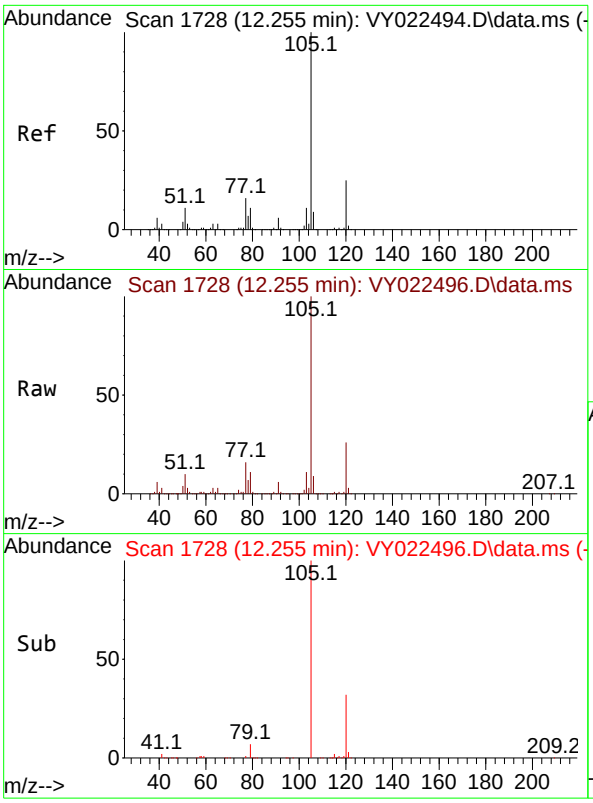


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:152 Resp: 150326

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	210.0	0.0	349.6



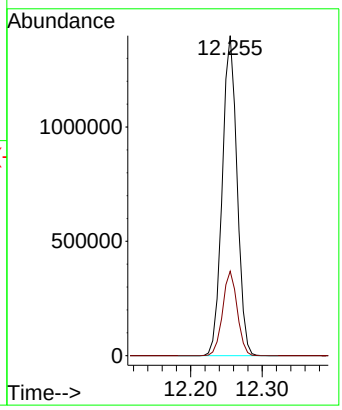


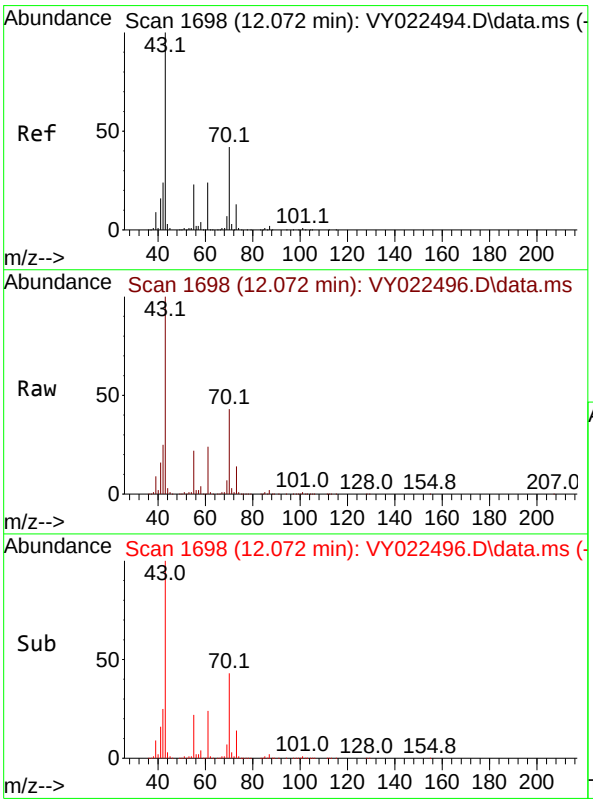
#73
Isopropylbenzene
Concen: 166.060 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2011262

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

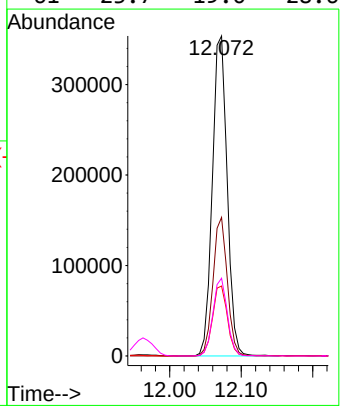


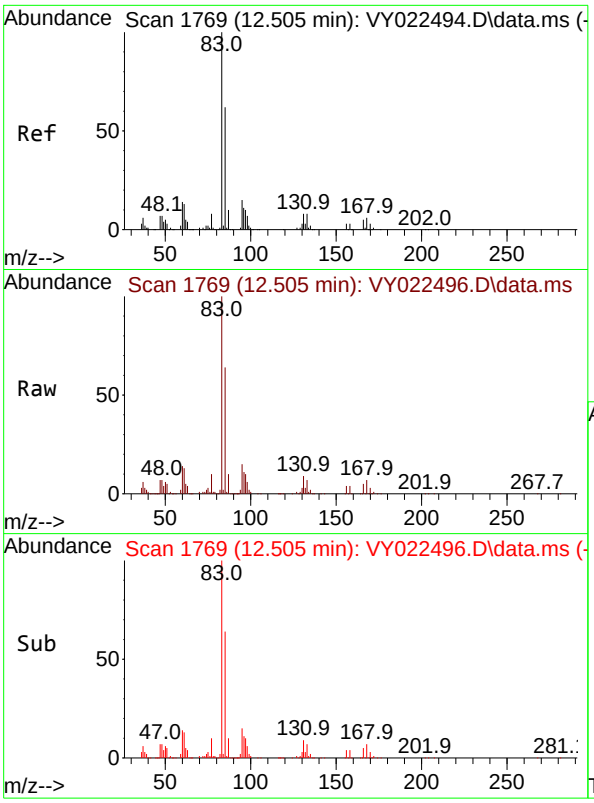


#74
N-amyl acetate
Concen: 165.957 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 508301

Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.2	51.2
55	22.1	18.2	27.4
61	23.7	19.0	28.6



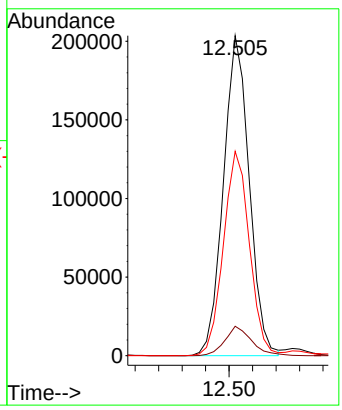


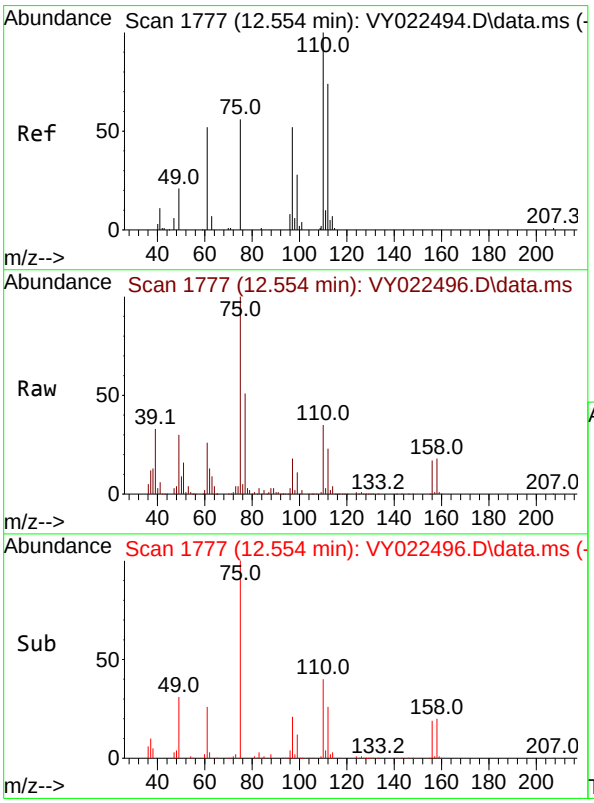
#75
1,1,2,2-Tetrachloroethane
Concen: 157.927 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 310641

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.3	32.6	97.8

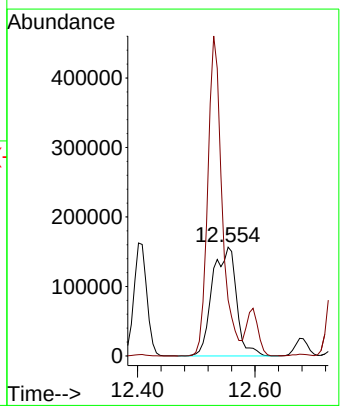


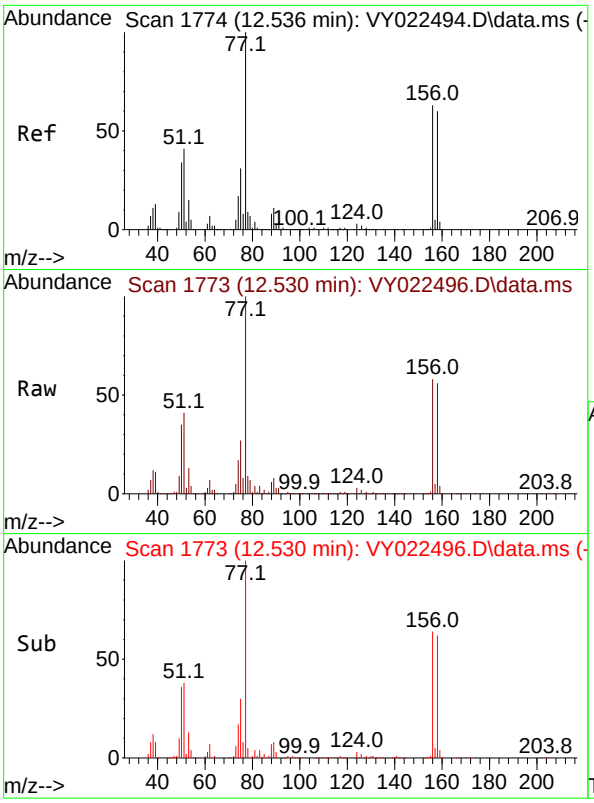


#76
1,2,3-Trichloropropane
Concen: 224.014 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 444562

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



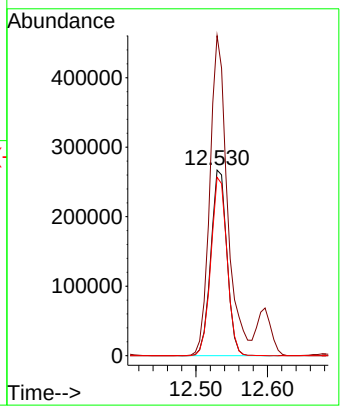


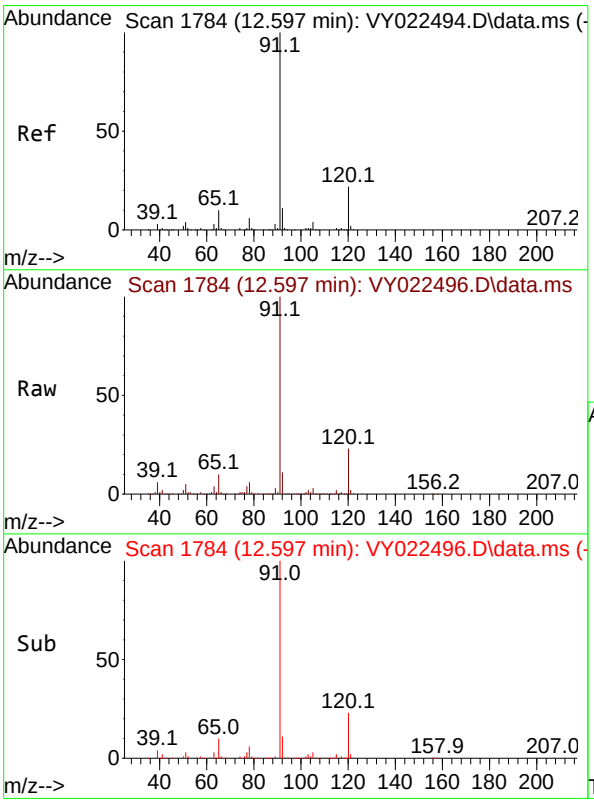
#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 417122

Ion	Ratio	Lower	Upper
156	100		
77	188.4	94.0	282.1
158	96.4	48.2	144.6

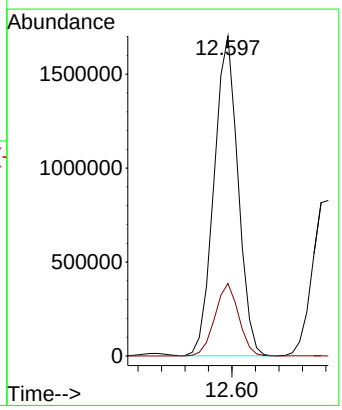


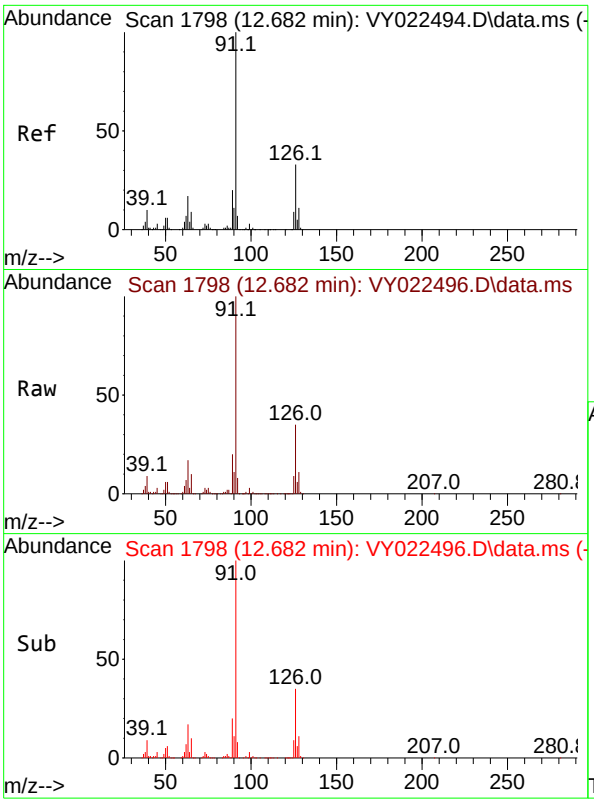


#78
n-propylbenzene
Concen: 163.876 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 2416013

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



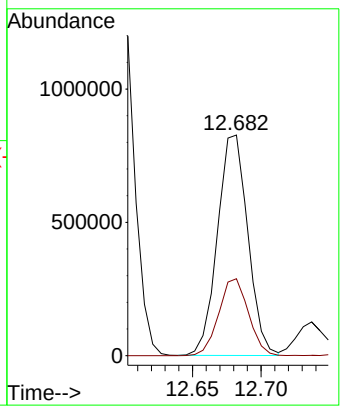


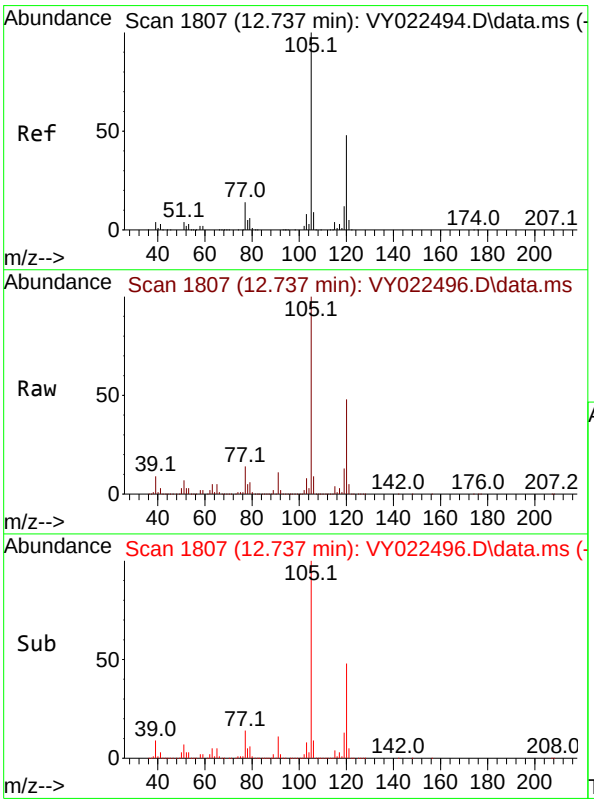
#79
2-Chlorotoluene
Concen: 163.862 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1275581

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0

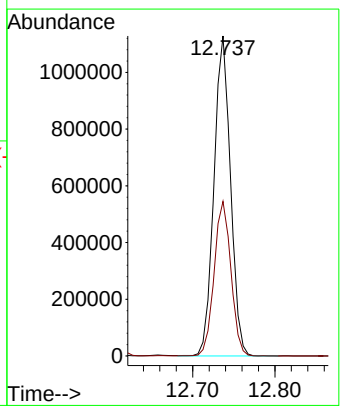


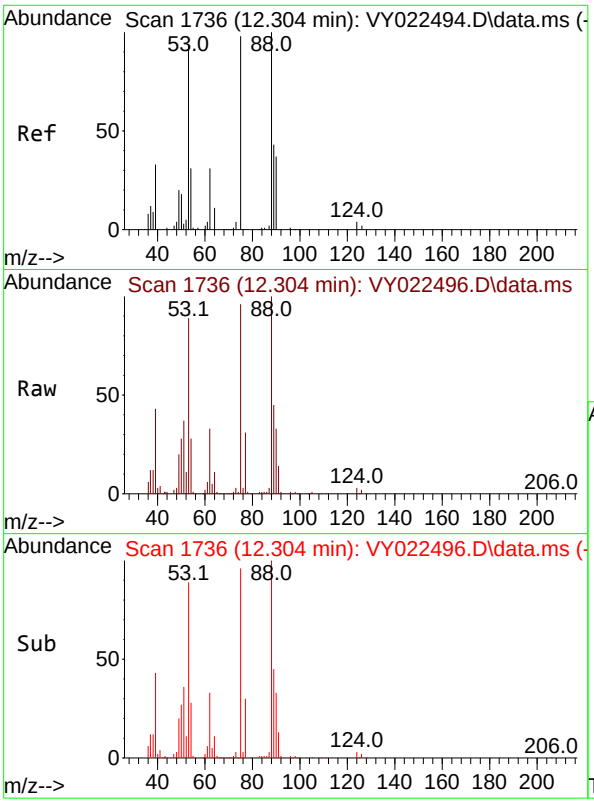


#80
1,3,5-Trimethylbenzene
Concen: 166.511 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1576906

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4



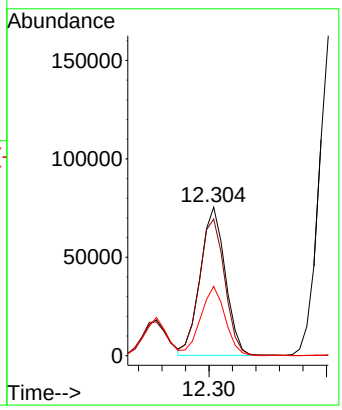


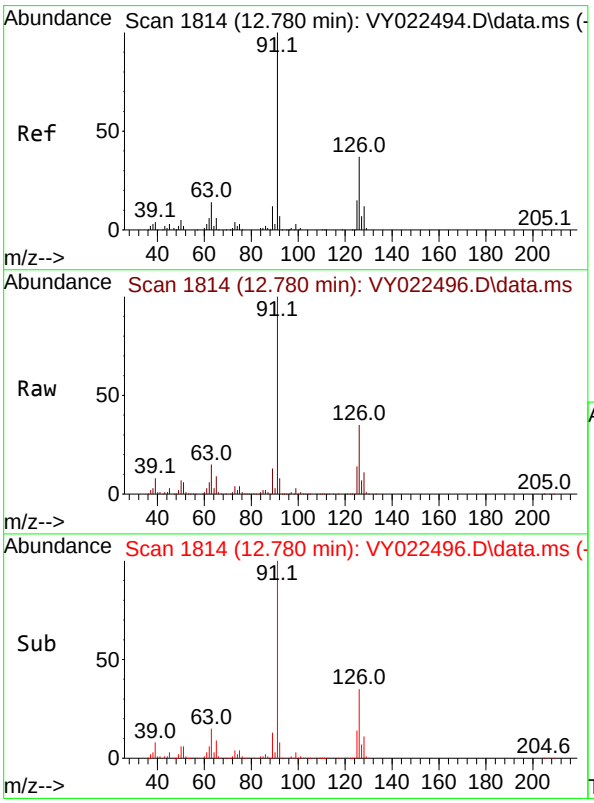
#81
trans-1,4-Dichloro-2-butene
Concen: 160.989 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 111432

Ion	Ratio	Lower	Upper
75	100		
53	93.2	78.5	117.7
89	46.1	35.7	53.5

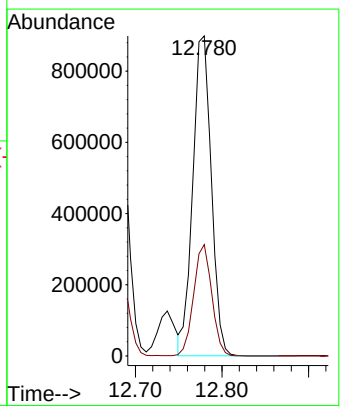


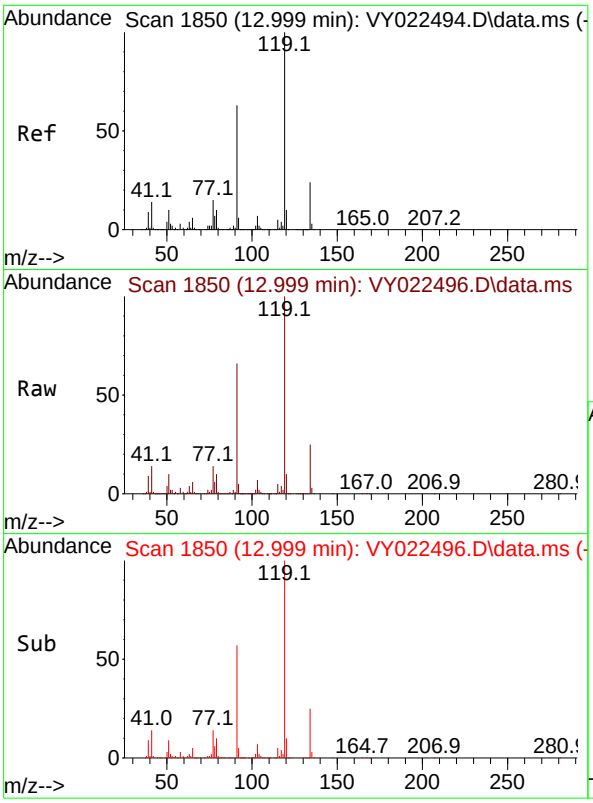


#82
4-Chlorotoluene
Concen: 165.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 1334965

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9



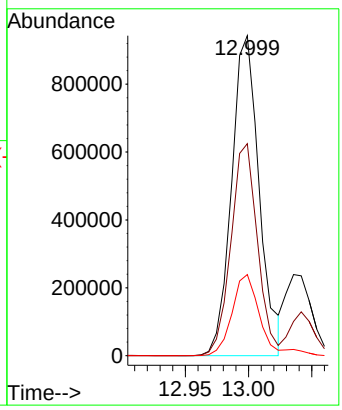


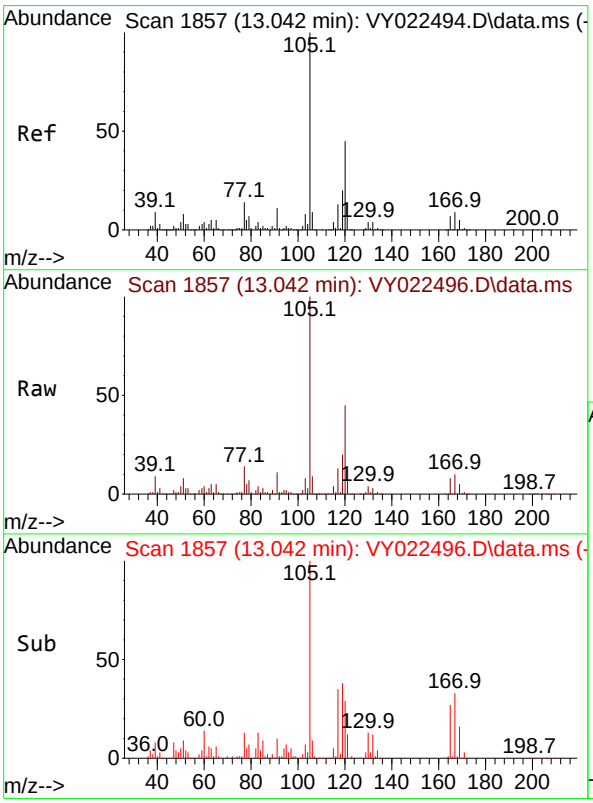
#83
tert-Butylbenzene
Concen: 166.064 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1434641

Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.1	96.3
134	25.9	13.0	38.9

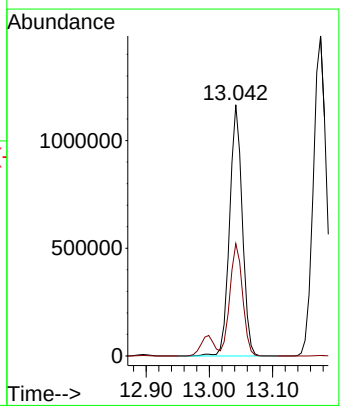


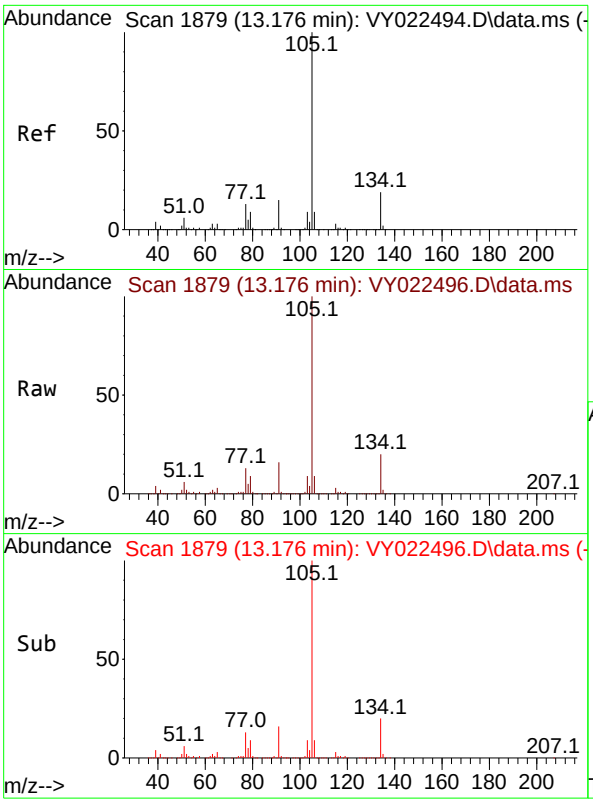


#84
1,2,4-Trimethylbenzene
Concen: 171.323 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1623289

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1



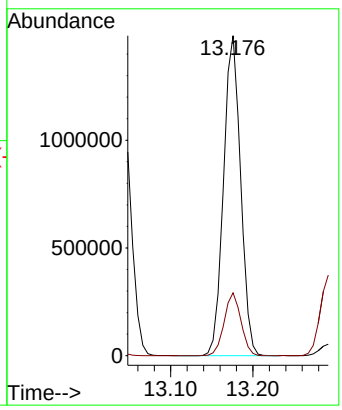


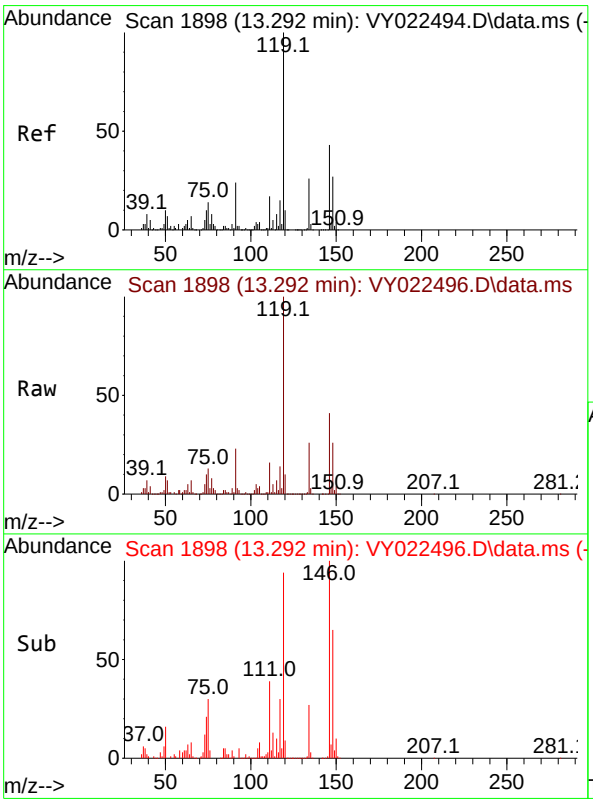
#85
sec-Butylbenzene
Concen: 163.415 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2140445

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

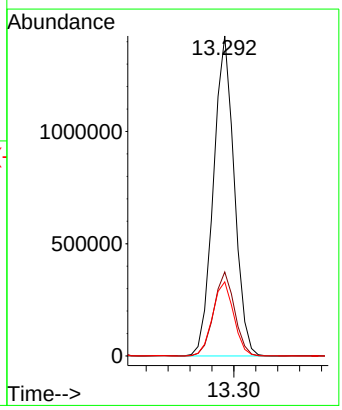


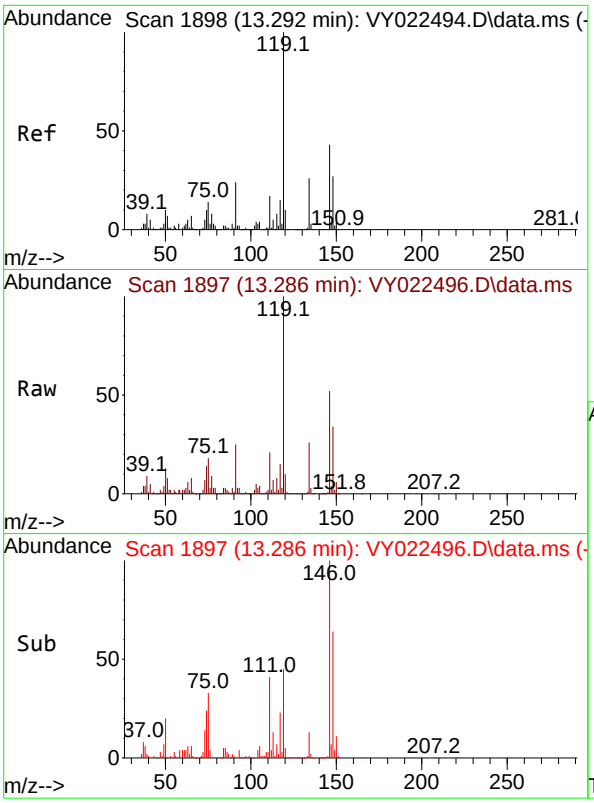


#86
p-Isopropyltoluene
Concen: 174.353 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 1877539

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.6	11.6	34.8



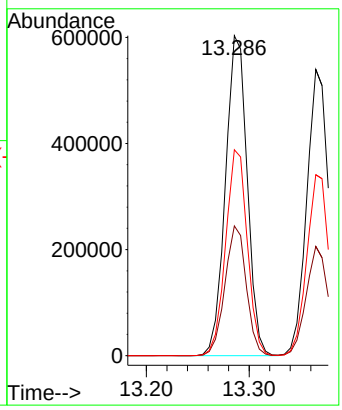


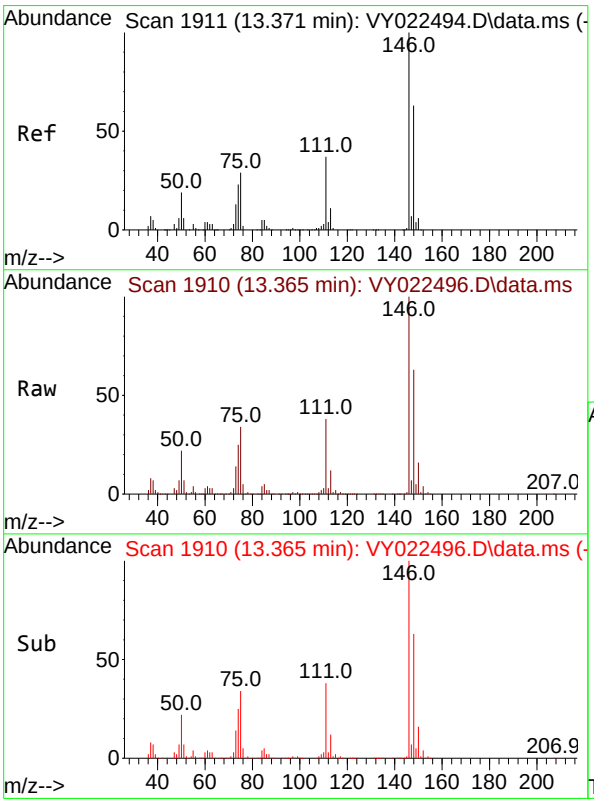
#87
1,3-Dichlorobenzene
Concen: 172.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 885058

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.2	32.1	96.3

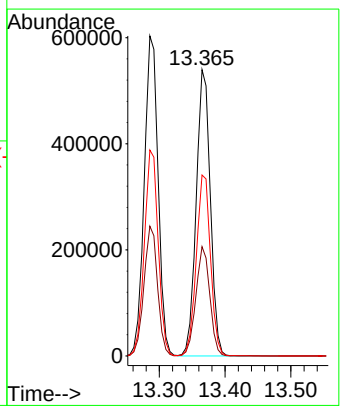


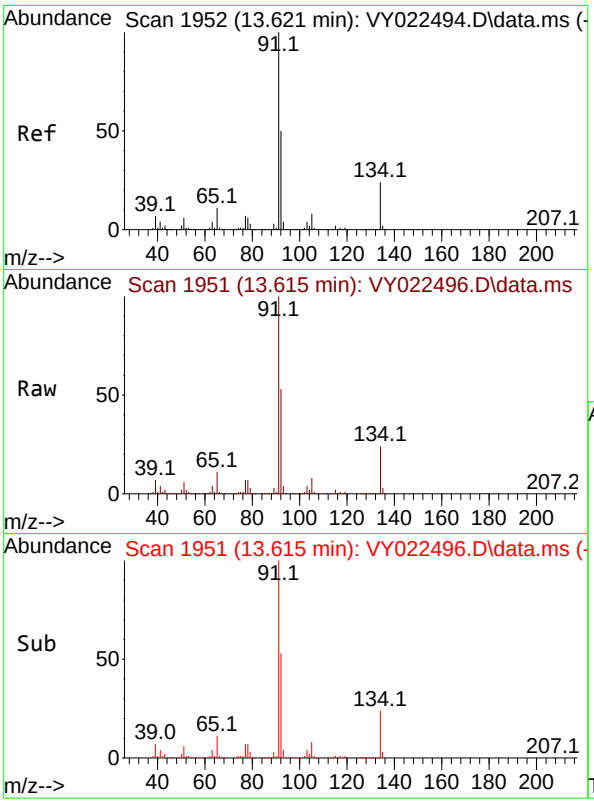


#88
1,4-Dichlorobenzene
Concen: 160.470 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 803022

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	63.7	31.6	94.8



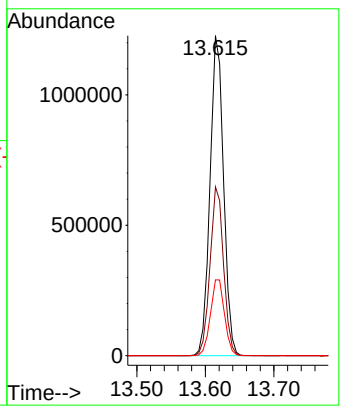


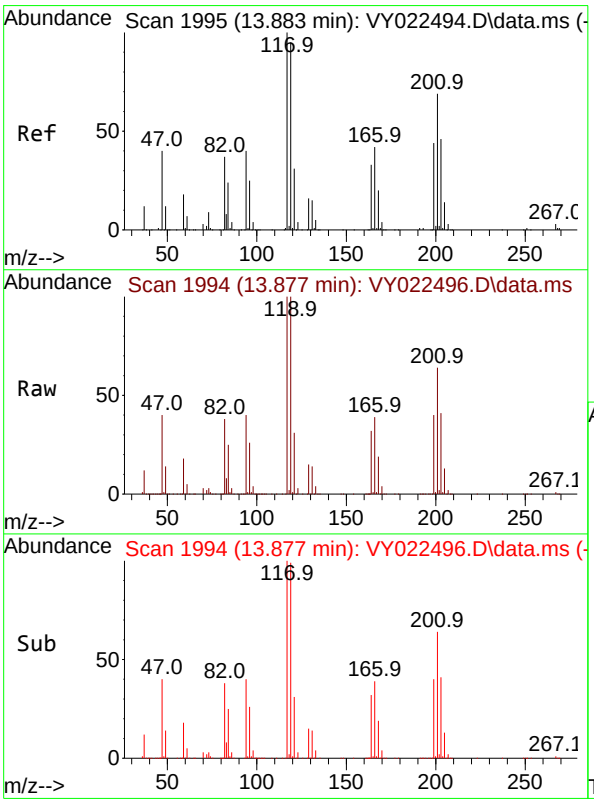
#89
n-Butylbenzene
Concen: 164.939 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1691118

Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.8
134	24.6	12.0	36.1

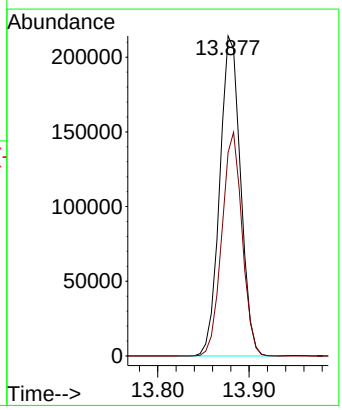


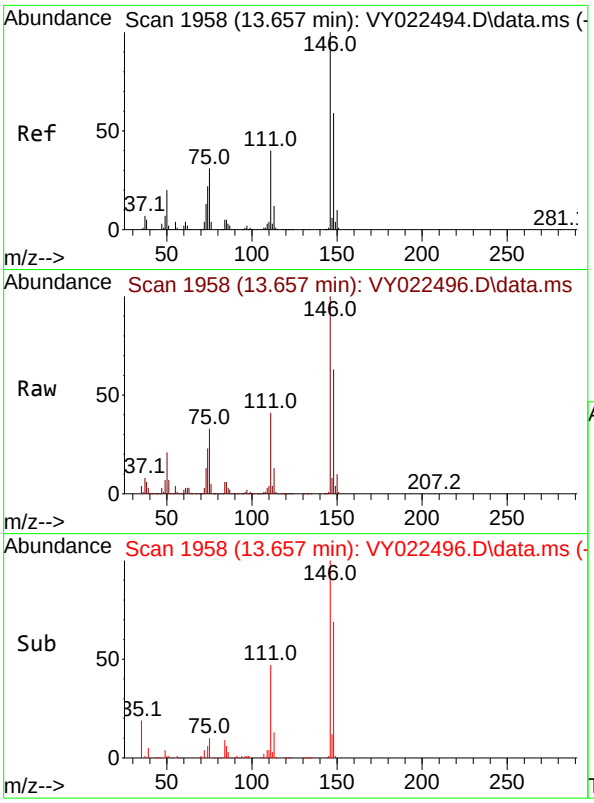


#90
Hexachloroethane
Concen: 160.801 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 338845

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.0	102.0



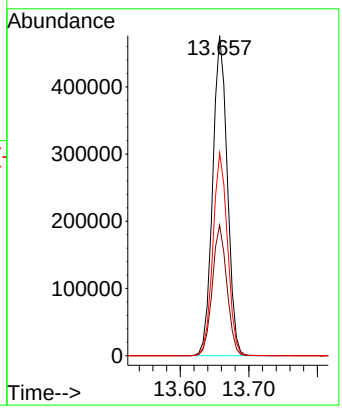


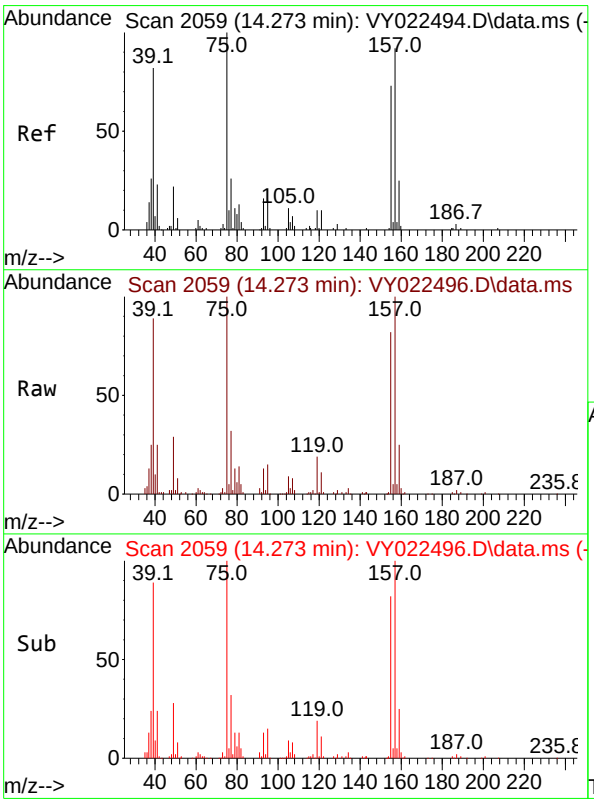
#91
1,2-Dichlorobenzene
Concen: 159.809 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 705129

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.2	31.4	94.0

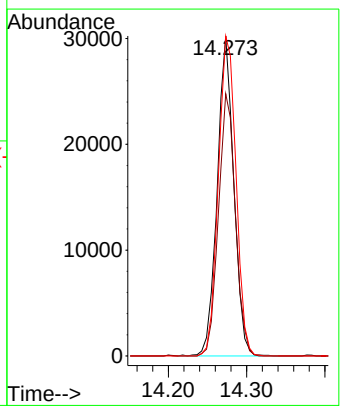


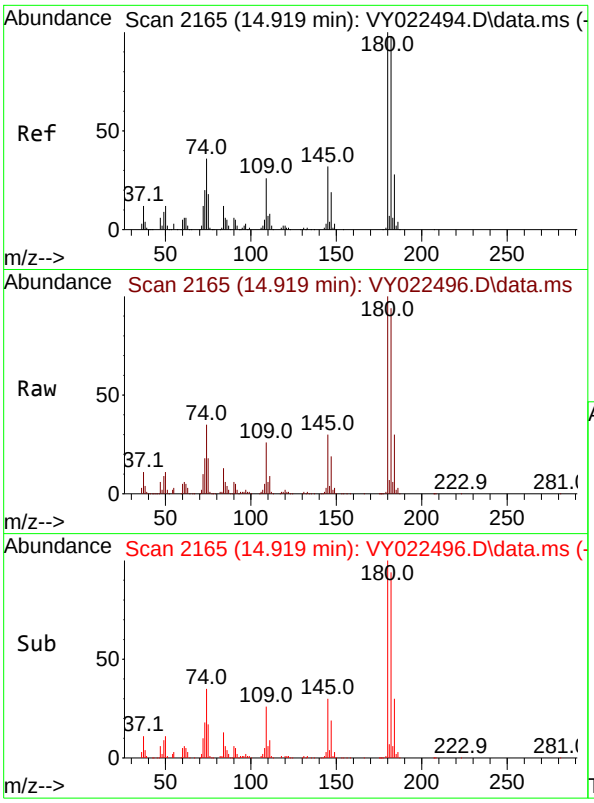


#92
1,2-Dibromo-3-Chloropropane
Concen: 149.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 44514

Ion	Ratio	Lower	Upper
75	100		
155	83.7	39.9	119.6
157	106.5	54.0	162.0



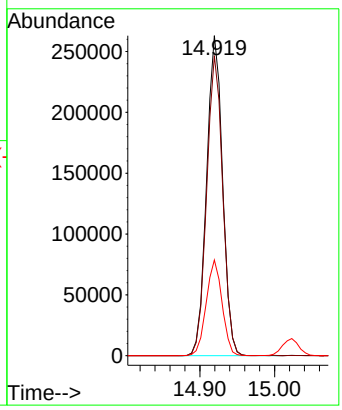


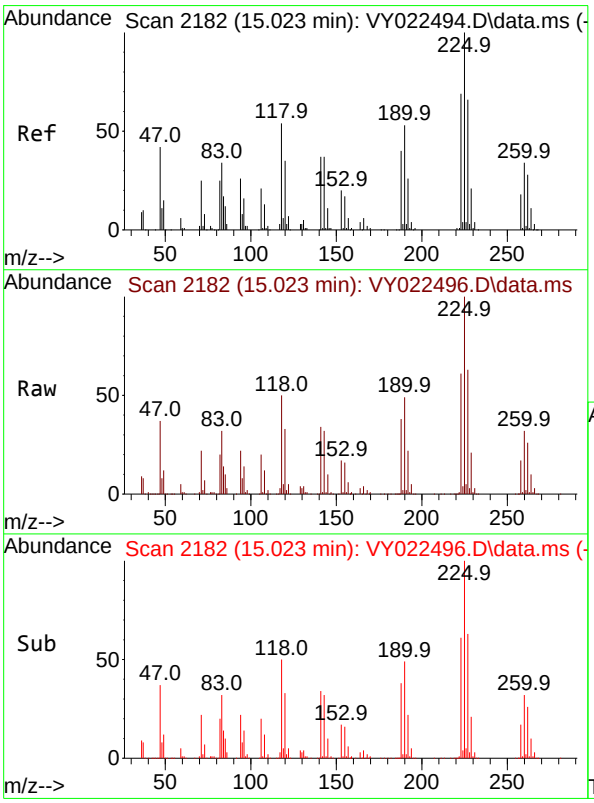
#93
1,2,4-Trichlorobenzene
Concen: 161.773 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 390170

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.3
145	29.7	15.5	46.5

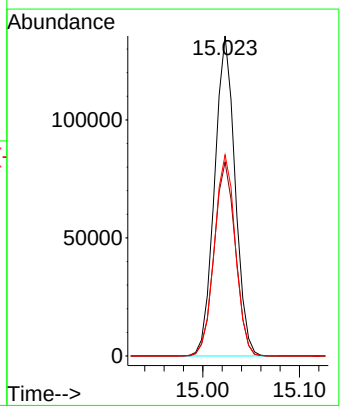


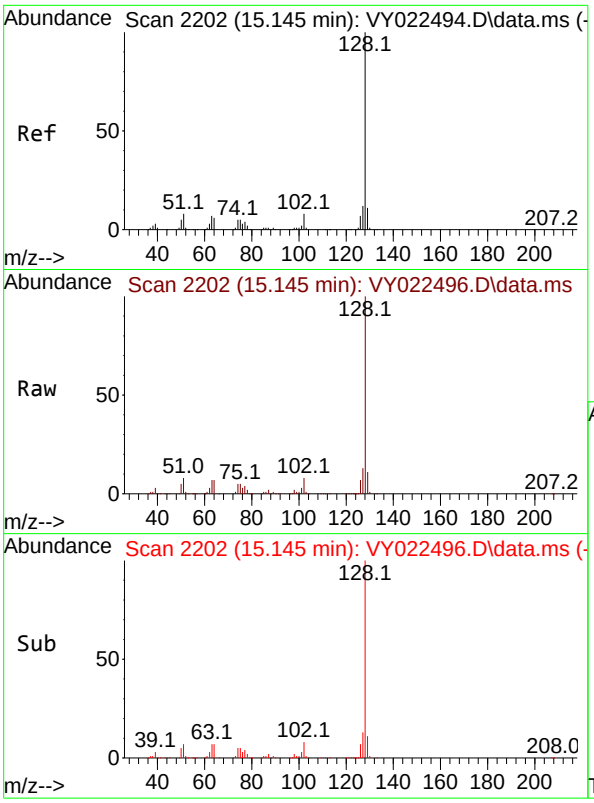


#94
Hexachlorobutadiene
Concen: 151.389 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:225 Resp: 199423

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.4
227	64.2	32.3	96.9



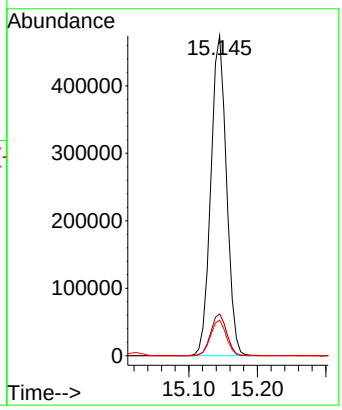


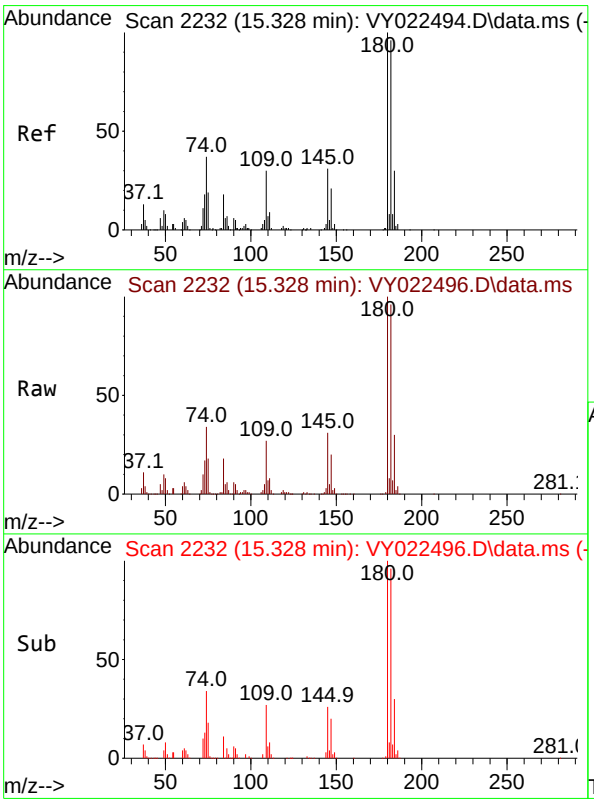
#95
Naphthalene
Concen: 162.970 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 753279

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.9	13.3

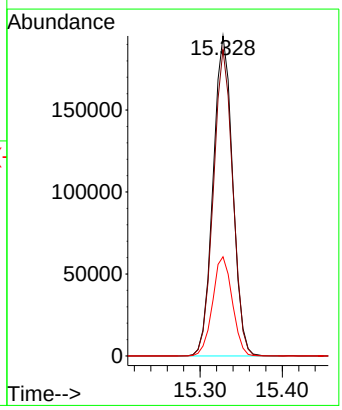




#96
1,2,3-Trichlorobenzene
Concen: 157.072 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 321960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	31.3	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134	ug/l		99
42) 1,2-Dichloroethane	8.158	62	130161	45.644	ug/l		98
43) Isopropyl Acetate	8.201	43	150263	44.122	ug/l	#	88
44) Trichloroethene	8.866	130	118971	46.609	ug/l		97
45) 1,2-Dichloropropane	9.140	63	114988	46.587	ug/l		96
46) Dibromomethane	9.231	93	64473	46.430	ug/l		98
47) Bromodichloromethane	9.427	83	164872	46.825	ug/l		100
48) Methyl methacrylate	9.219	41	70644	44.198	ug/l		98
49) 1,4-Dioxane	9.231	88	13433	816.553	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250	ug/l		98
52) Toluene	10.170	92	309375	47.137	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953	ug/l		96
56) Ethyl methacrylate	10.439	69	115237	45.029	ug/l		99
57) 1,3-Dichloropropane	10.719	76	143407	45.696	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746	ug/l		99
59) 2-Hexanone	10.762	43	249926	220.088	ug/l		99
60) Dibromochloromethane	10.914	129	101515	45.114	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74173	45.960	ug/l		97
64) Tetrachloroethene	10.646	164	121944	45.398	ug/l		98
65) Chlorobenzene	11.444	112	317533	45.953	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464	ug/l		98
67) Ethyl Benzene	11.518	91	605560	47.248	ug/l		99
68) m/p-Xylenes	11.633	106	454148	93.473	ug/l		100
69) o-Xylene	11.957	106	209354	45.959	ug/l		98
70) Styrene	11.969	104	352505	46.815	ug/l		98
71) Bromoform	12.133	173	55559	44.852	ug/l	#	98
73) Isopropylbenzene	12.255	105	559690	46.933	ug/l		100
74) N-amyl acetate	12.072	43	136915	45.502	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	122591	73.772	ug/l	#	100
77) Bromobenzene	12.536	156	114771	45.607	ug/l		100
78) n-propylbenzene	12.597	91	680155	46.696	ug/l		99
79) 2-Chlorotoluene	12.682	91	358756	46.472	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968	ug/l		100
82) 4-Chlorotoluene	12.780	91	368631	46.289	ug/l		100
83) tert-Butylbenzene	12.999	119	400440	47.655	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735	ug/l		99
85) sec-Butylbenzene	13.176	105	607968	47.241	ug/l		100
86) p-Isopropyltoluene	13.292	119	501979	47.321	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113	ug/l		98
89) n-Butylbenzene	13.621	91	482774	47.968	ug/l		100
90) Hexachloroethane	13.883	117	97273	47.101	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481	ug/l		97
94) Hexachlorobutadiene	15.023	225	59236	45.457	ug/l		98
95) Naphthalene	15.145	128	203925	45.009	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

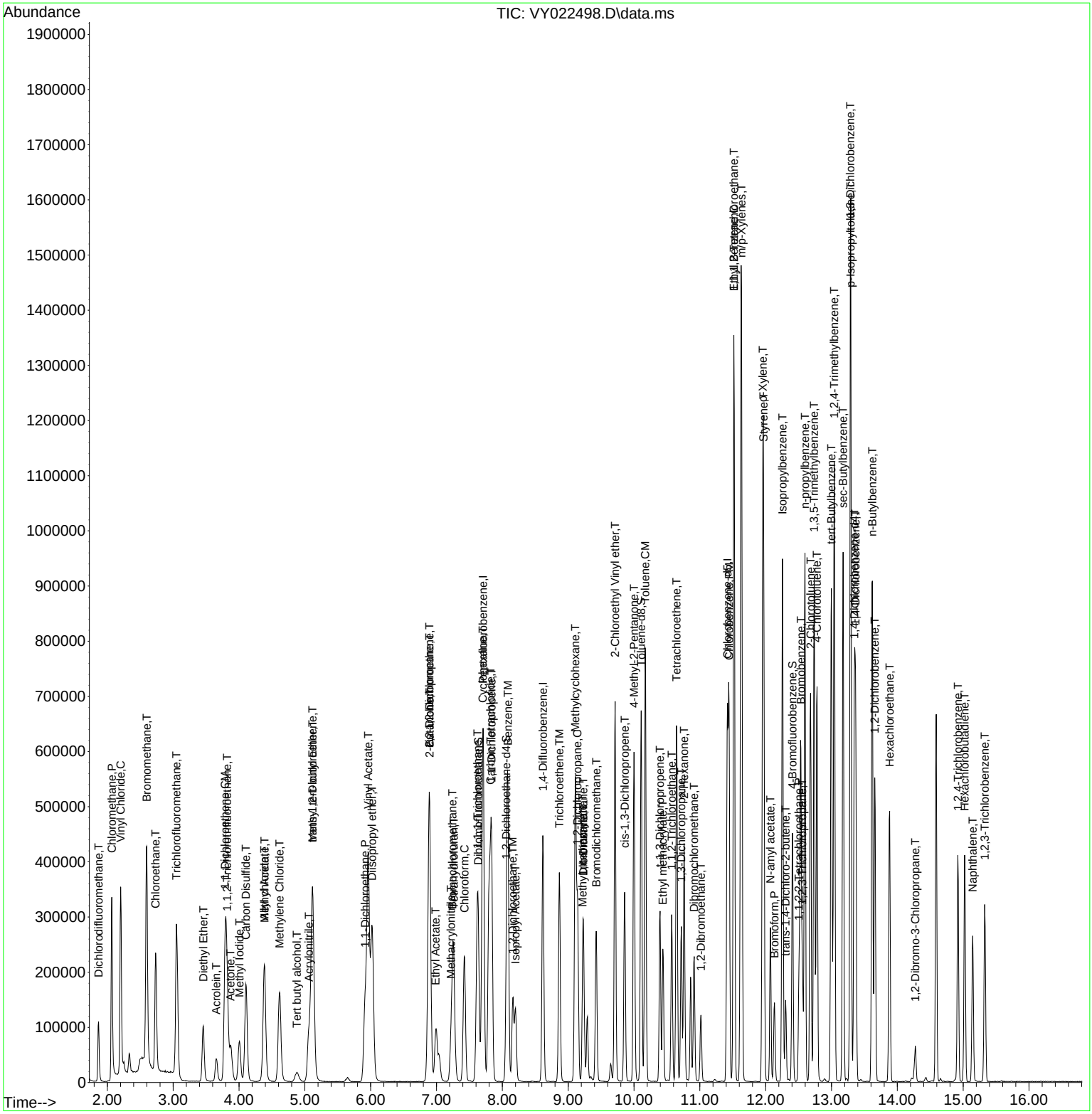
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

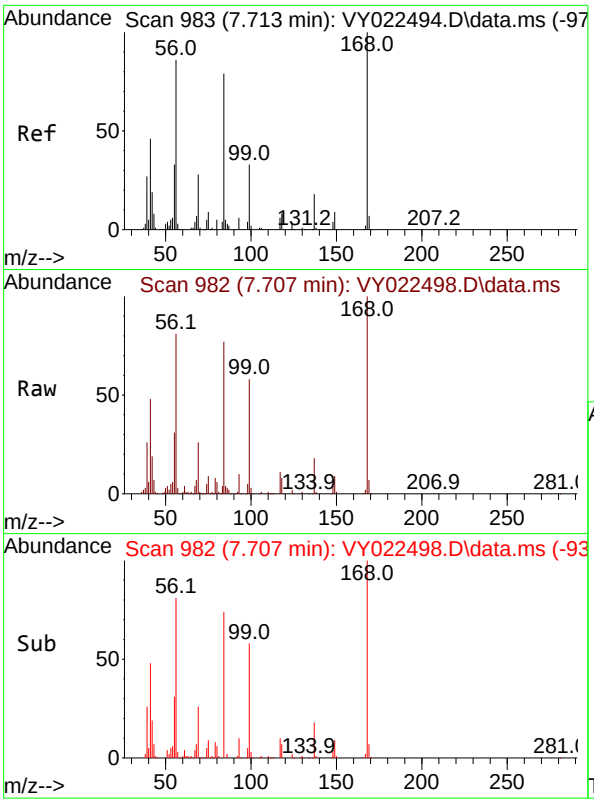
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



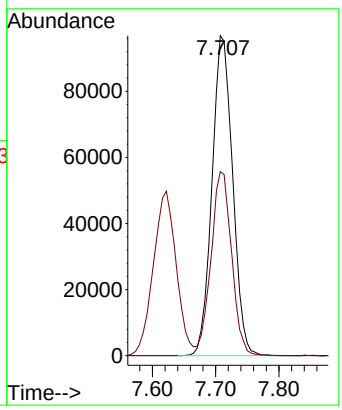


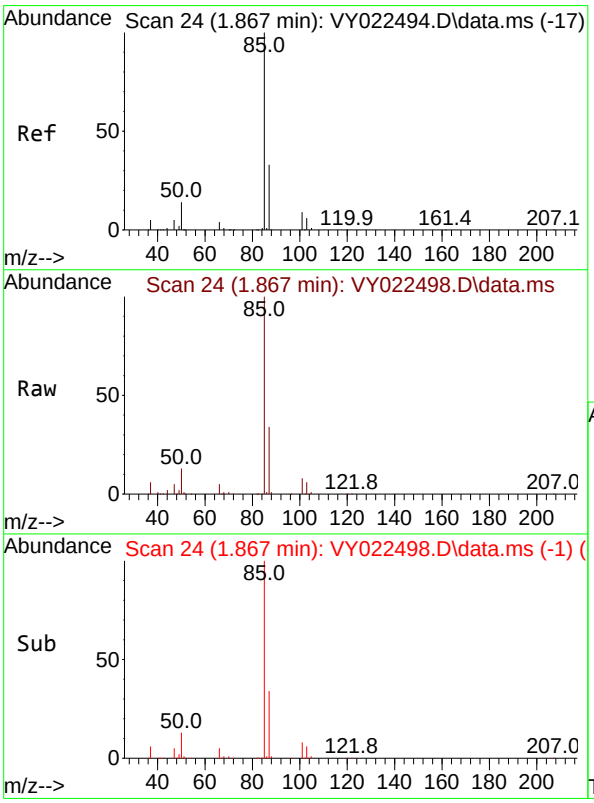
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:168 Resp: 219240

Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.3	66.5

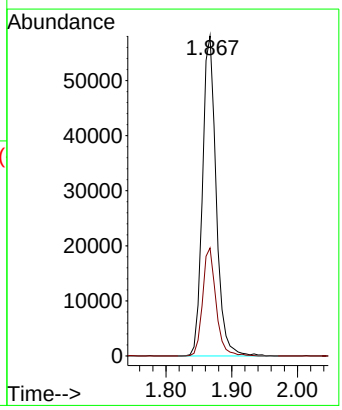


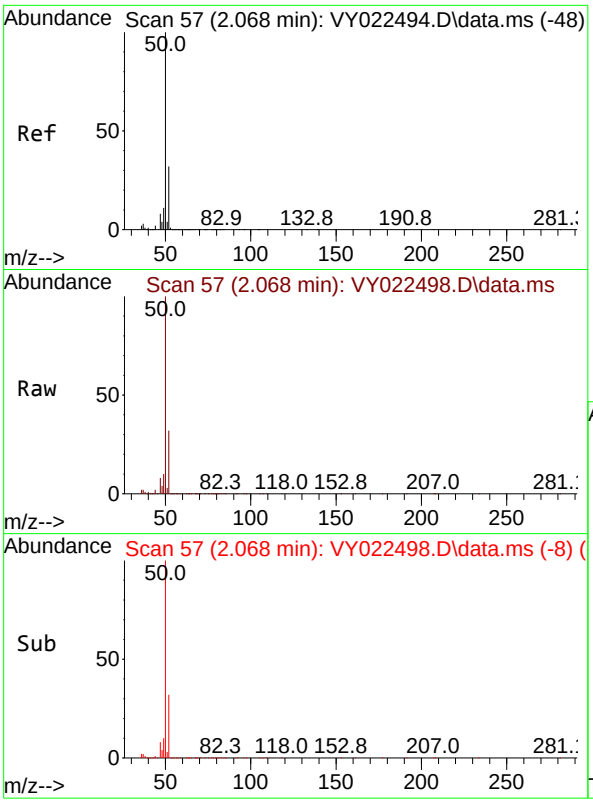


#2
Dichlorodifluoromethane
Concen: 42.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 85 Resp: 84059

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0



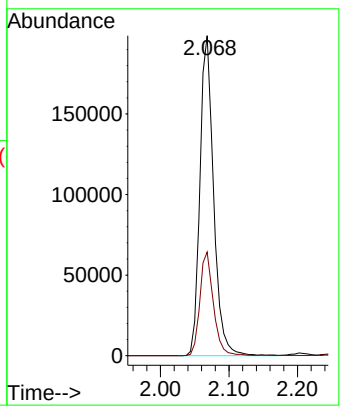


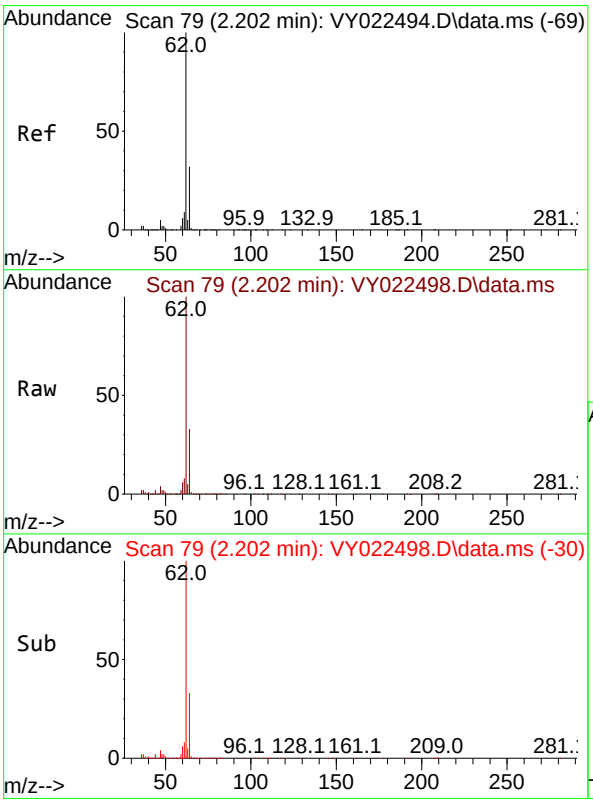
#3
Chloromethane
Concen: 47.616 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 50 Resp: 276116

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0

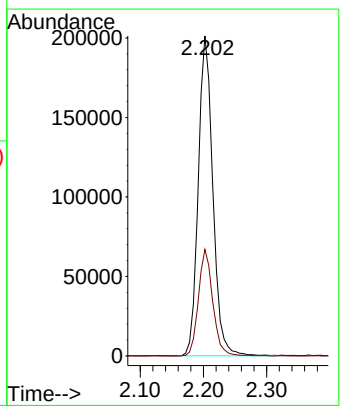


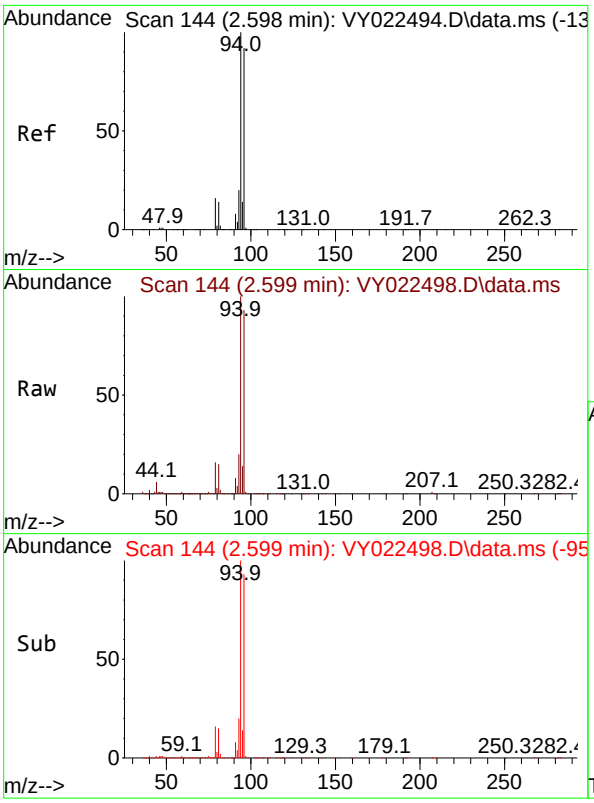


#4
Vinyl Chloride
Concen: 48.066 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 323338

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9



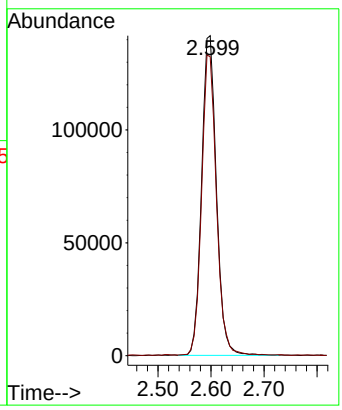


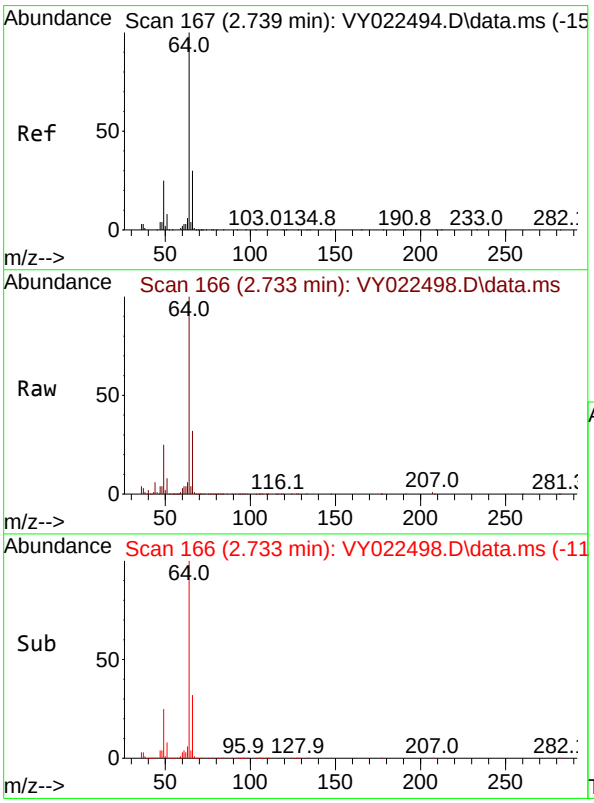
#5
Bromomethane
Concen: 42.515 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 94 Resp: 274123

Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.0	111.0

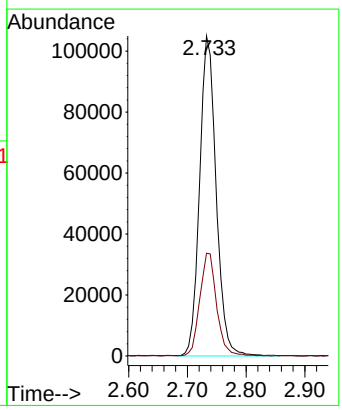


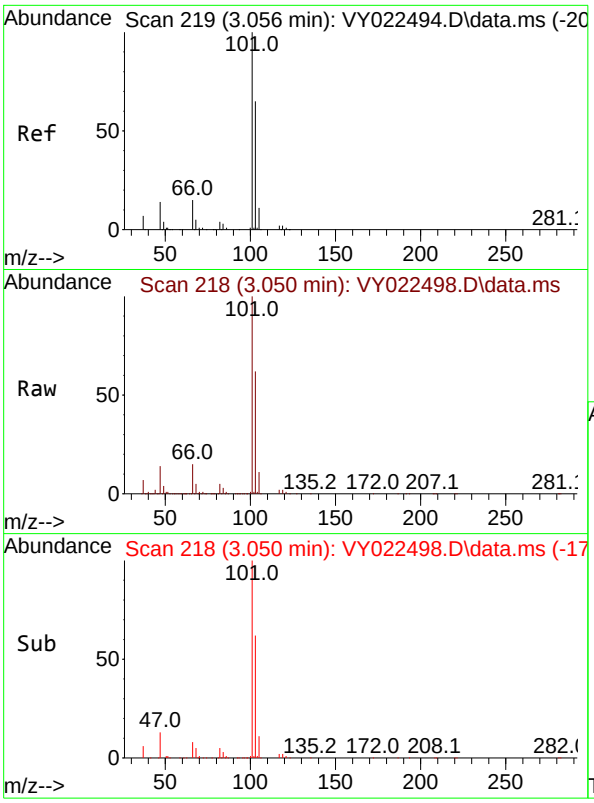


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 64 Resp: 205816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.8	35.6



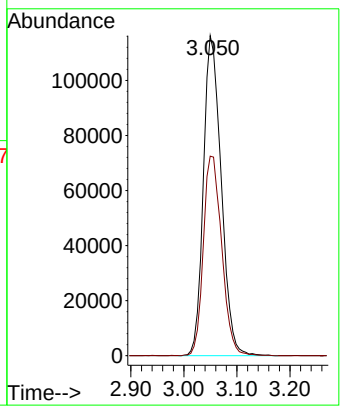


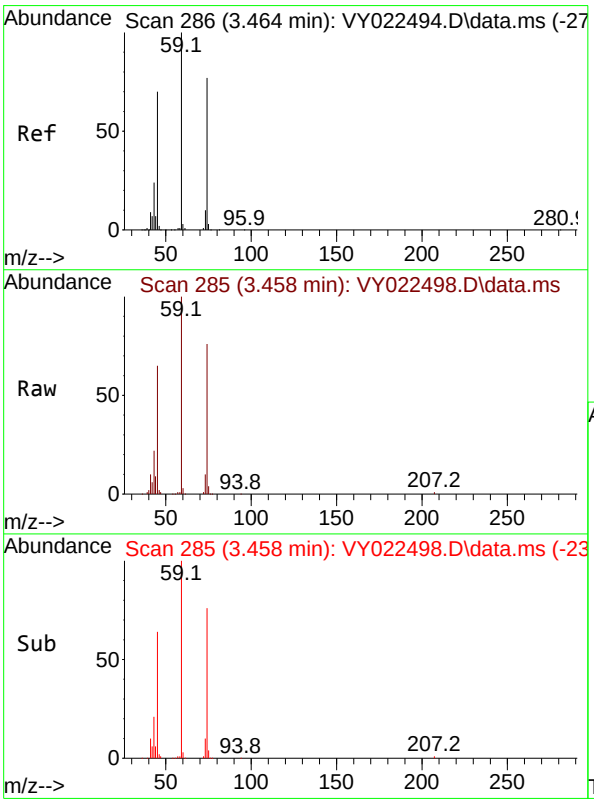
#7
Trichlorofluoromethane
Concen: 47.475 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:101 Resp: 271122

Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2

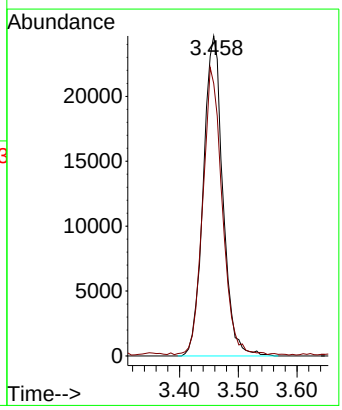


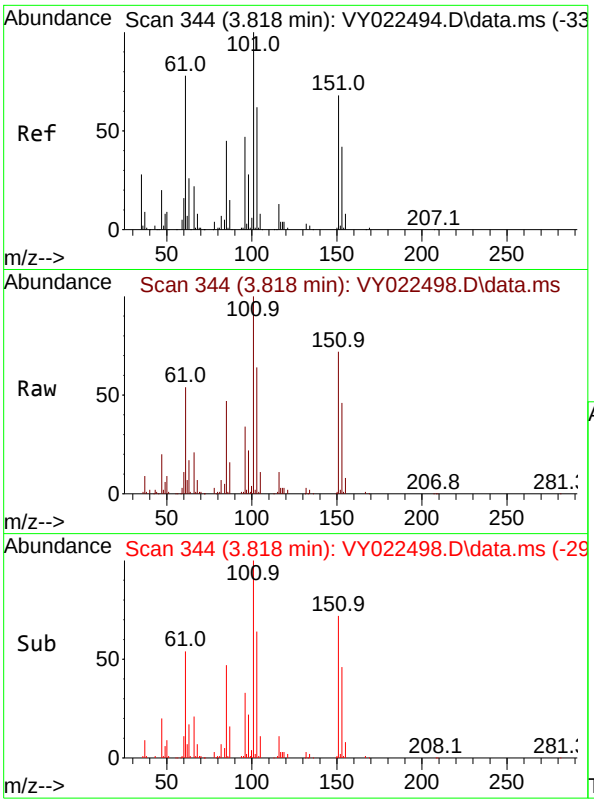


#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 74 Resp: 56906

Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.9	137.6



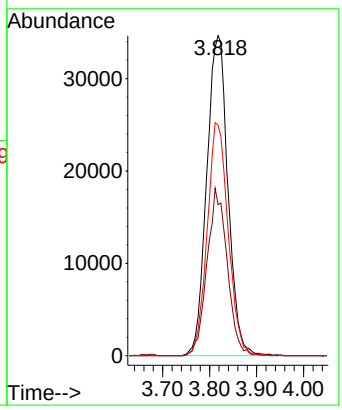


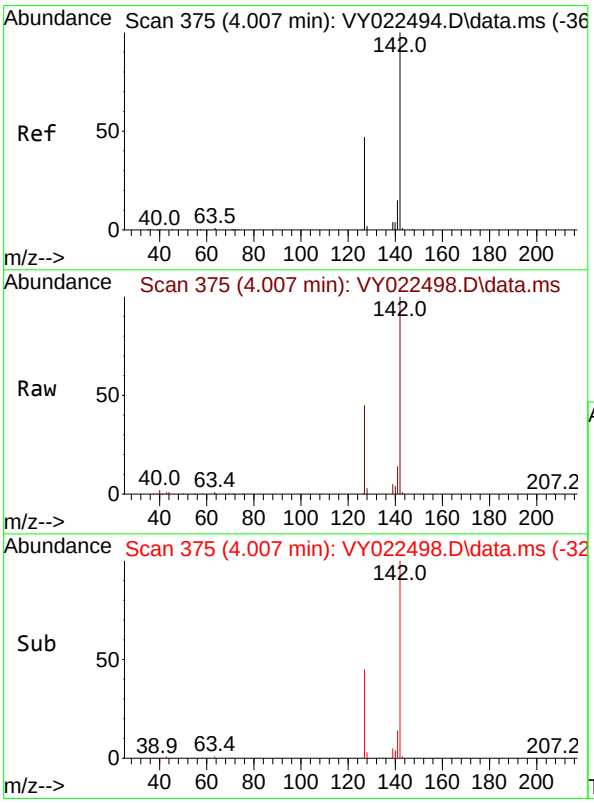
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:101 Resp: 108788

Ion	Ratio	Lower	Upper
101	100		
85	49.7	39.3	58.9
151	71.8	57.8	86.8

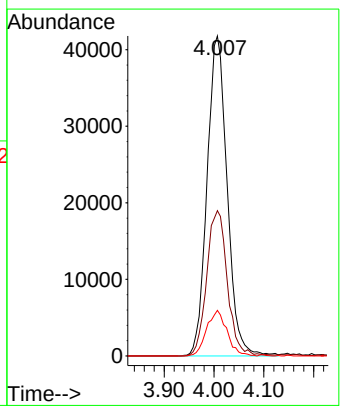


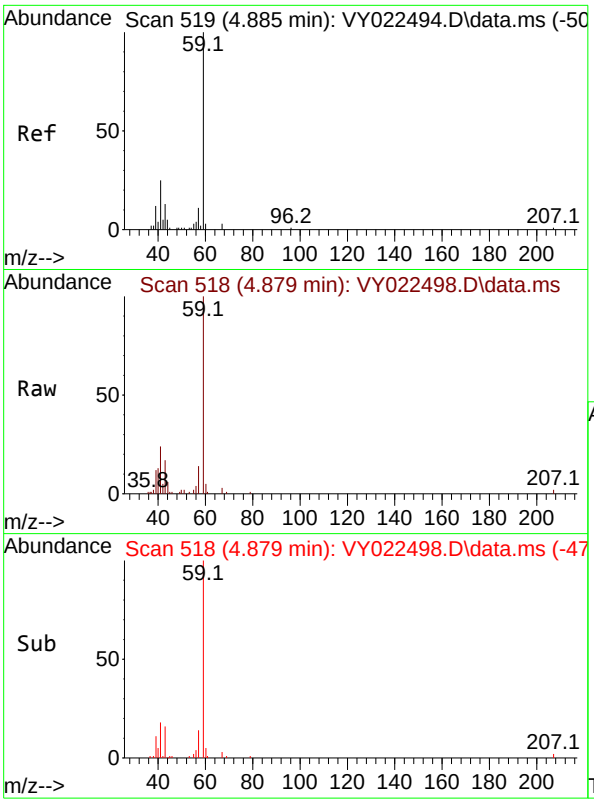


#10
Methyl Iodide
Concen: 44.885 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:142 Resp: 116830

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.5	11.4	17.2



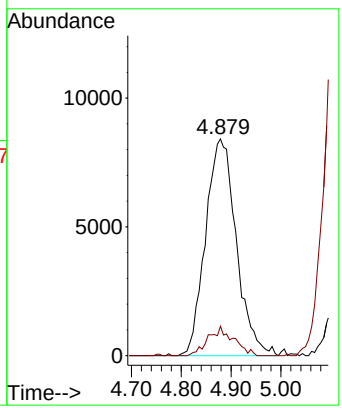


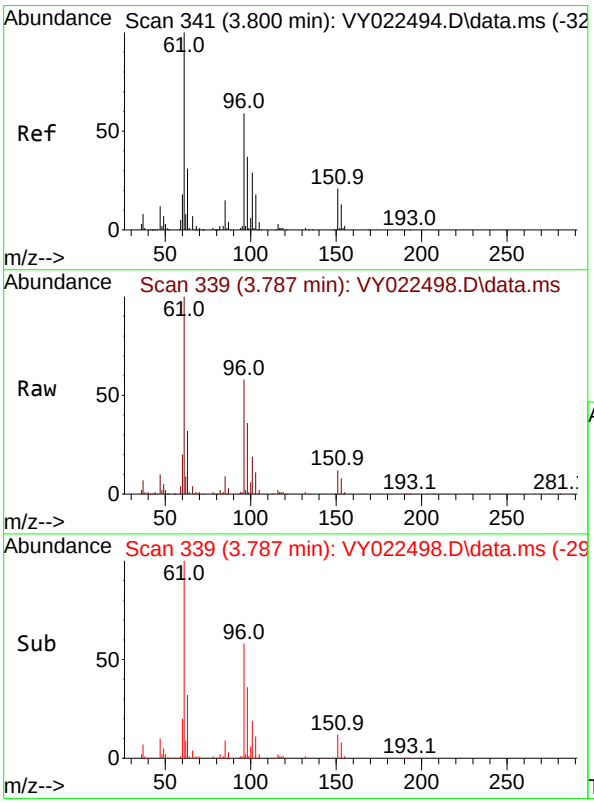
#11
Tert butyl alcohol
Concen: 205.761 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 59 Resp: 36036

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.0	12.0

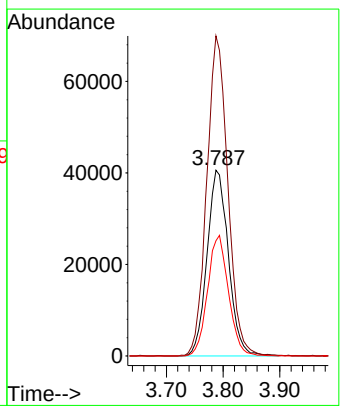


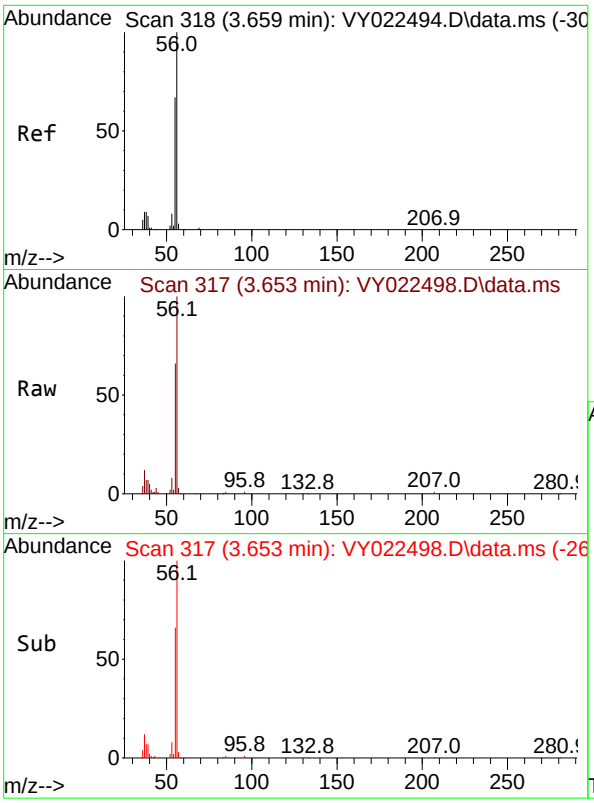


#12
1,1-Dichloroethene
Concen: 46.234 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	172.2	134.6	201.8
98	62.0	50.2	75.4



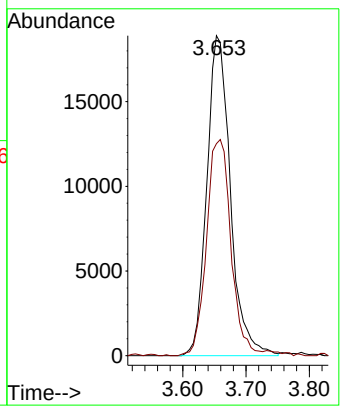


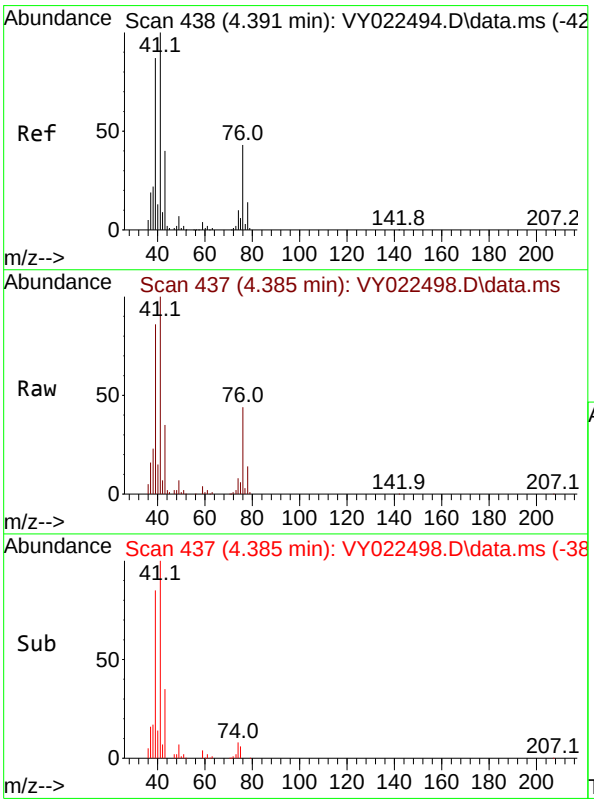
#13
Acrolein
Concen: 223.473 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 56 Resp: 48776

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.0	85.6

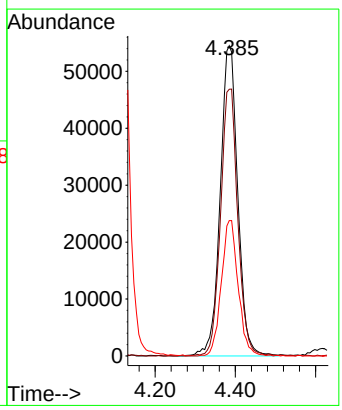


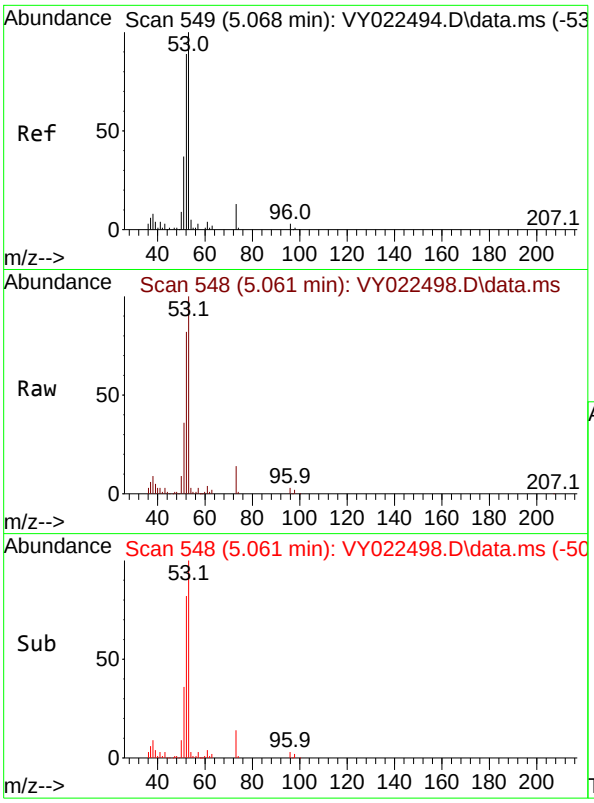


#14
Allyl chloride
Concen: 45.834 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 165428

Ion	Ratio	Lower	Upper
41	100		
39	84.5	69.1	103.7
76	41.9	33.5	50.3



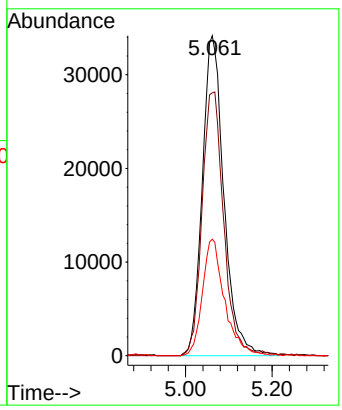


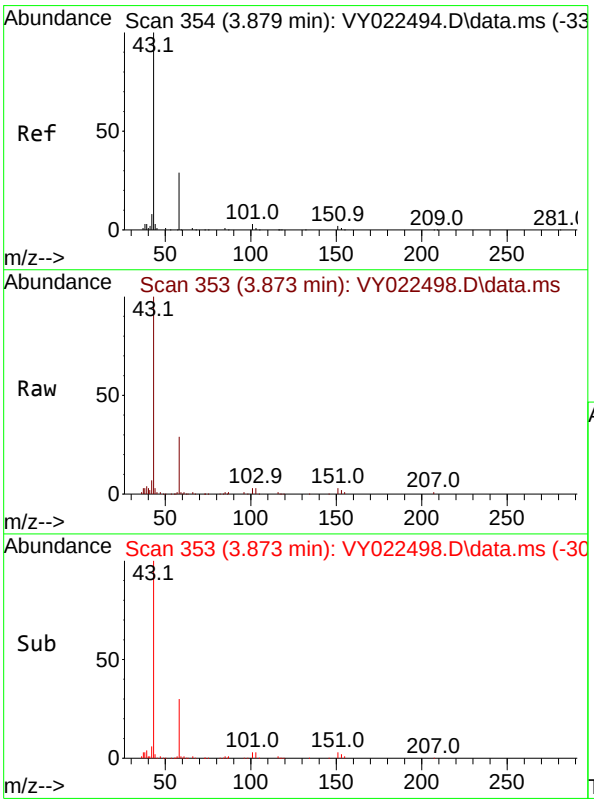
#15
Acrylonitrile
Concen: 216.963 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 53 Resp: 118175

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.5	30.1	45.1

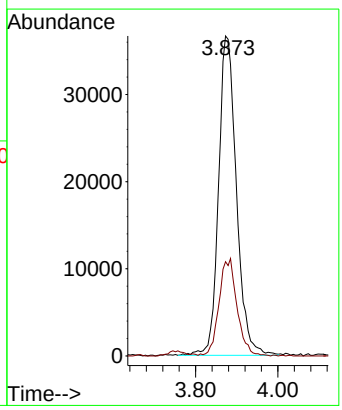


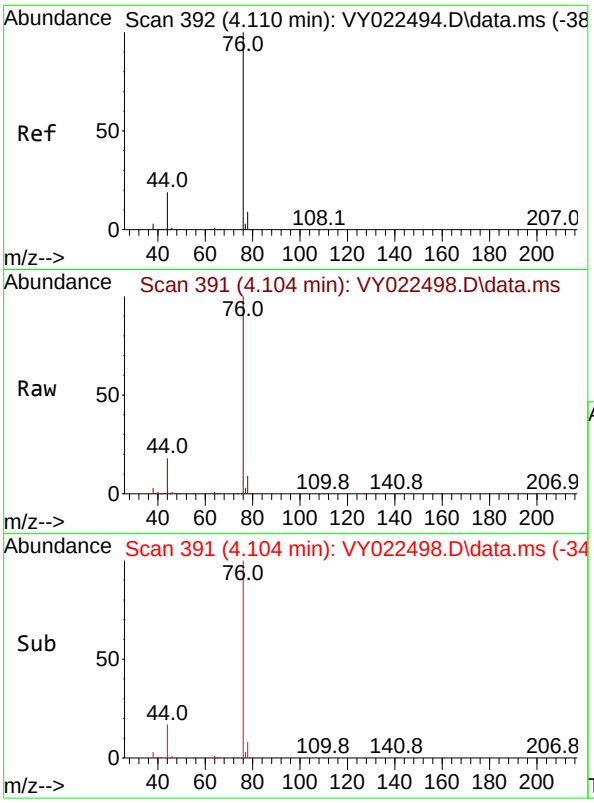


#16
Acetone
Concen: 221.854 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 110479

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.0	36.0



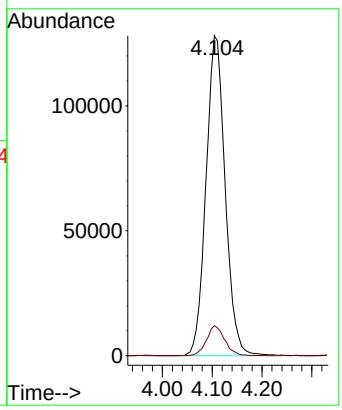


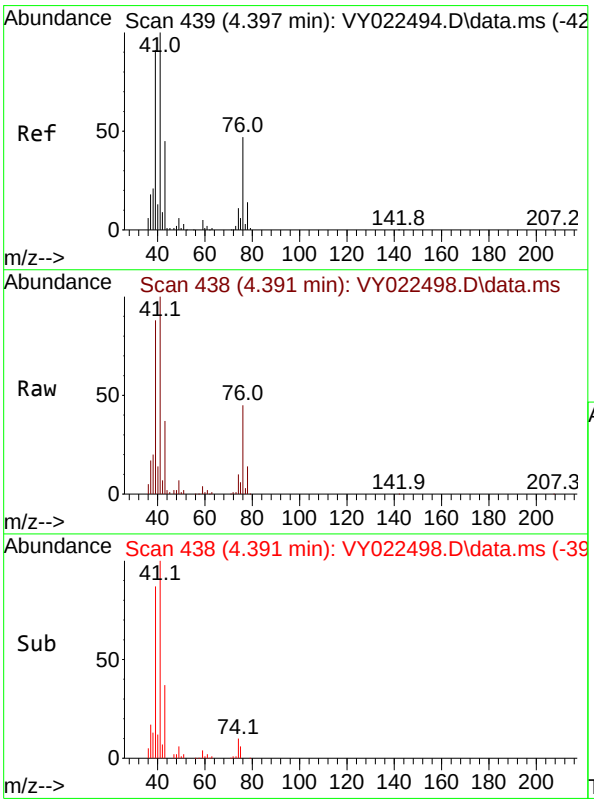
#17
Carbon Disulfide
Concen: 46.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 76 Resp: 341772

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

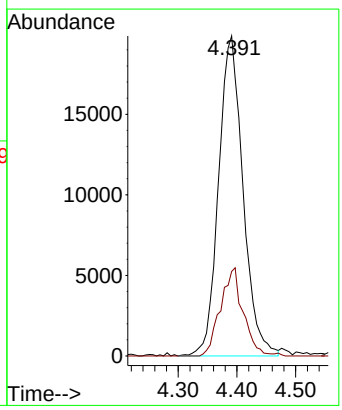


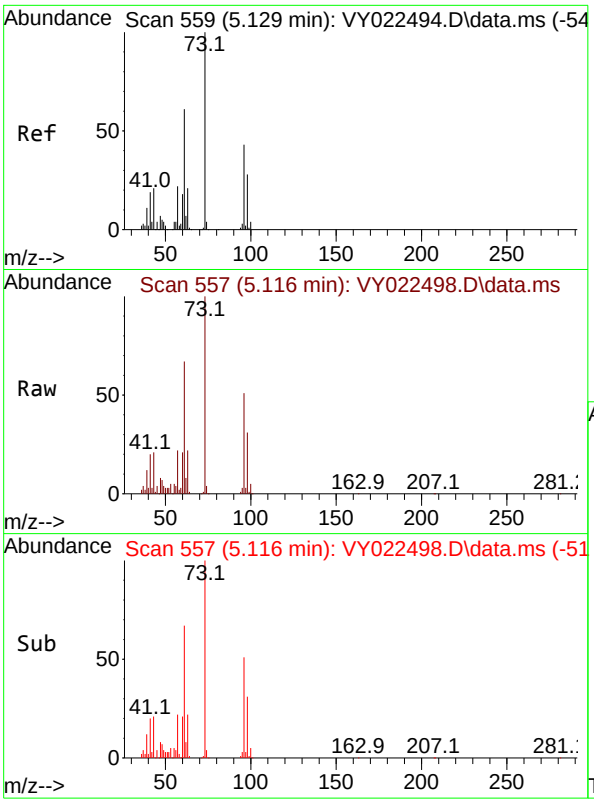


#18
Methyl Acetate
Concen: 38.935 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 57416

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6



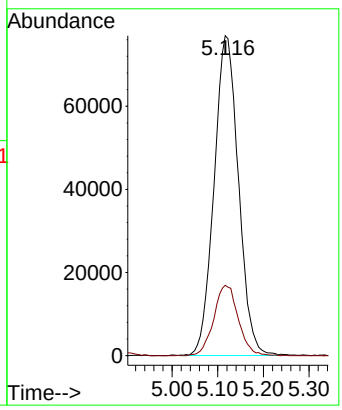


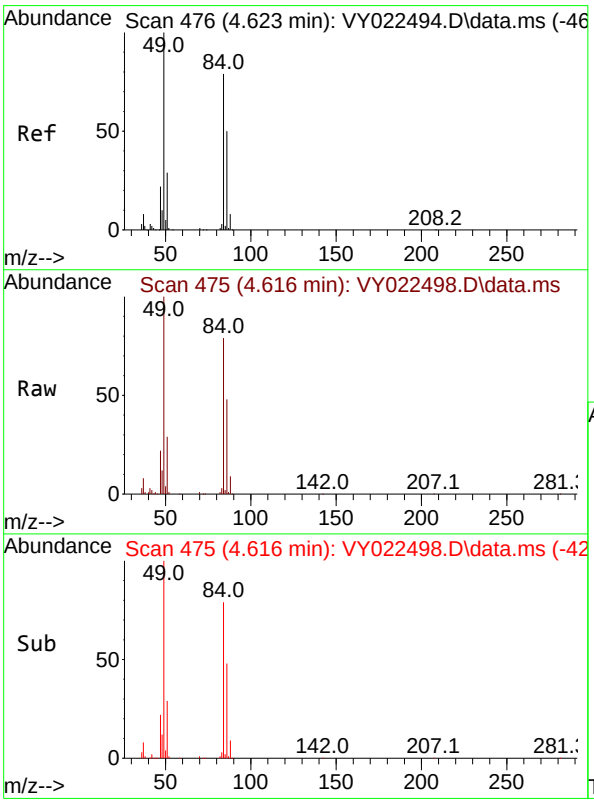
#19
Methyl tert-butyl Ether
Concen: 43.974 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 73 Resp: 284761

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

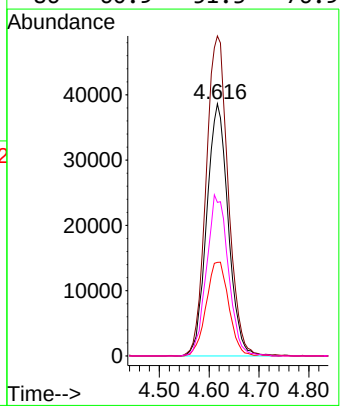


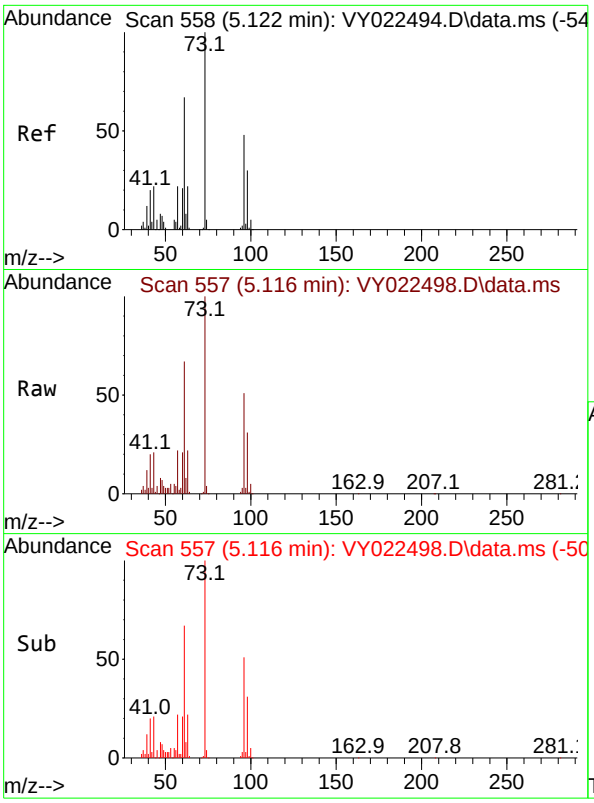


#20
Methylene Chloride
Concen: 40.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 84 Resp: 115624

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.9	152.9
51	37.1	29.8	44.8
86	60.9	51.3	76.9



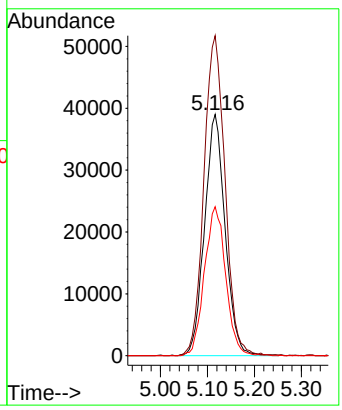


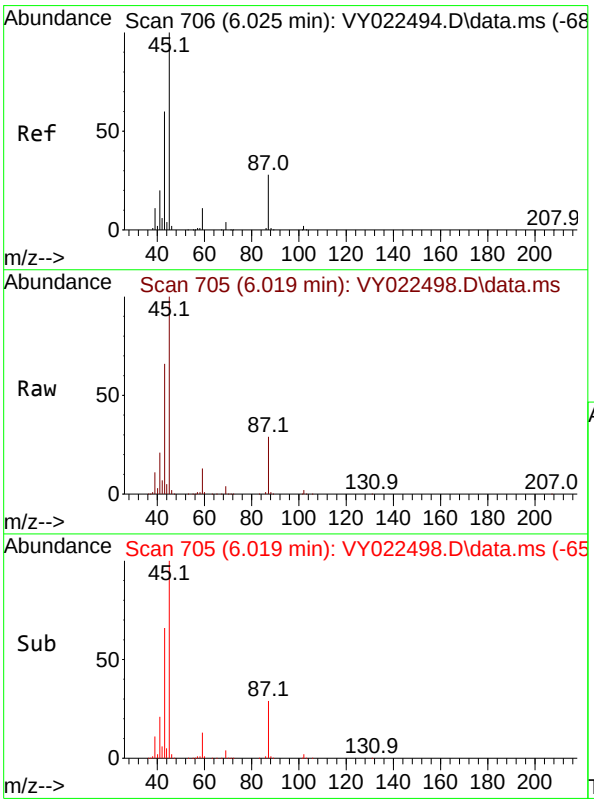
#21
trans-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 96 Resp: 118427

Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	169.0
98	61.8	50.6	75.8

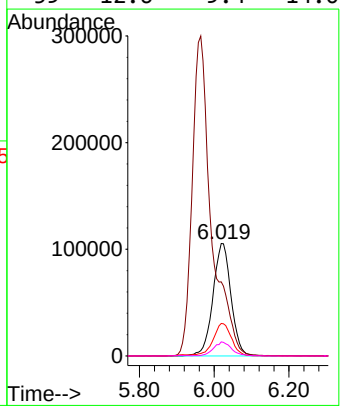


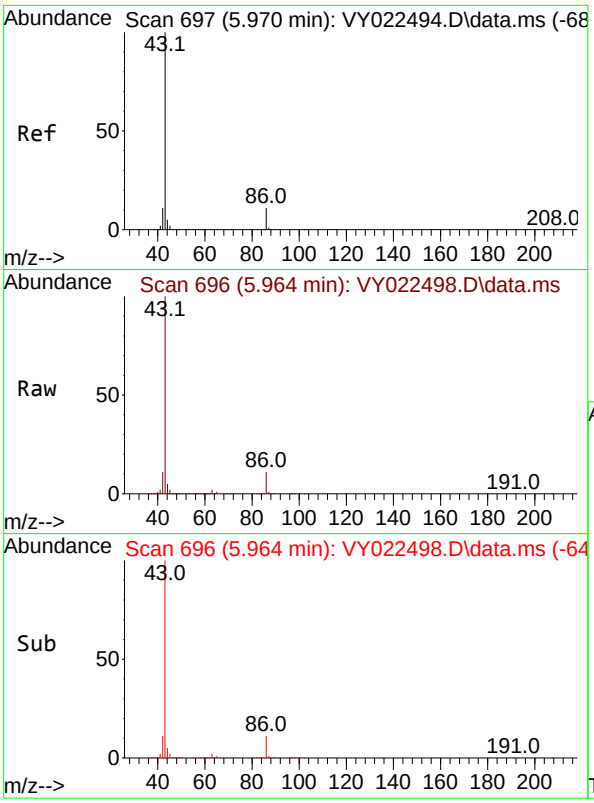


#22
Diisopropyl ether
Concen: 44.104 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 45 Resp: 354328

Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.3	72.5
87	28.8	23.0	34.6
59	12.6	9.4	14.0



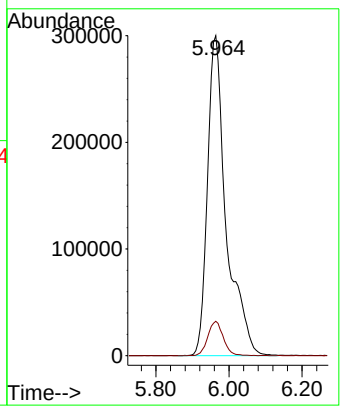


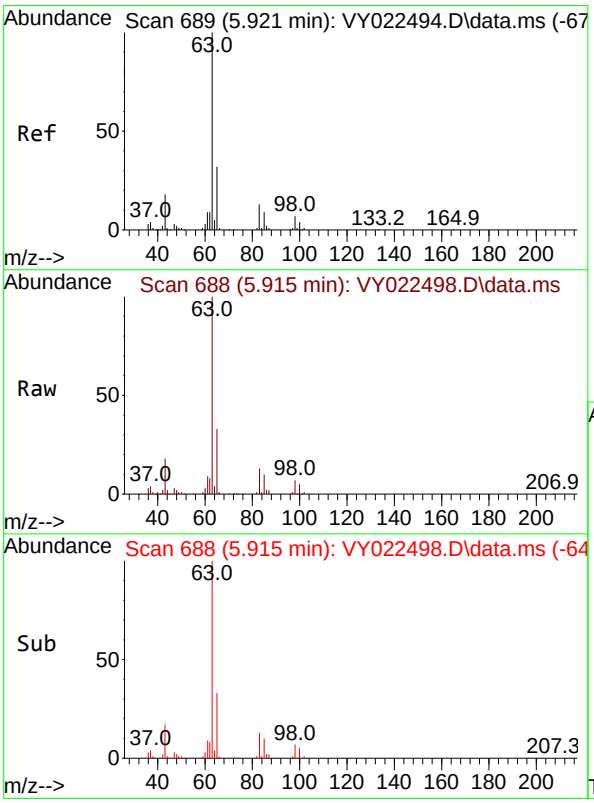
#23
Vinyl Acetate
Concen: 223.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 1064896

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

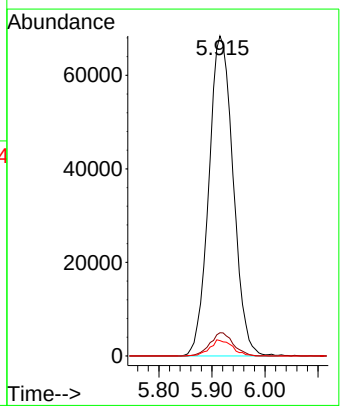


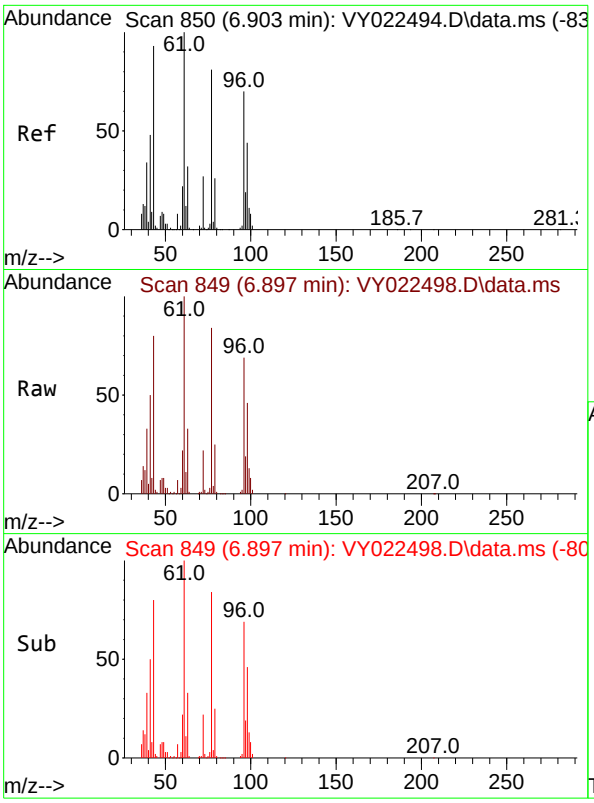


#24
1,1-Dichloroethane
Concen: 46.053 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 217965

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.8	2.1	6.3



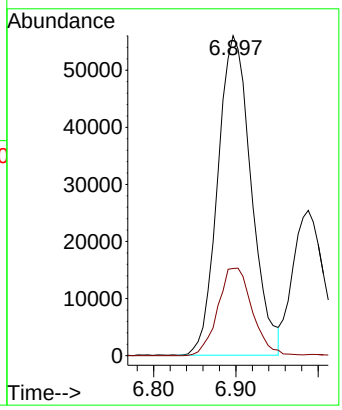


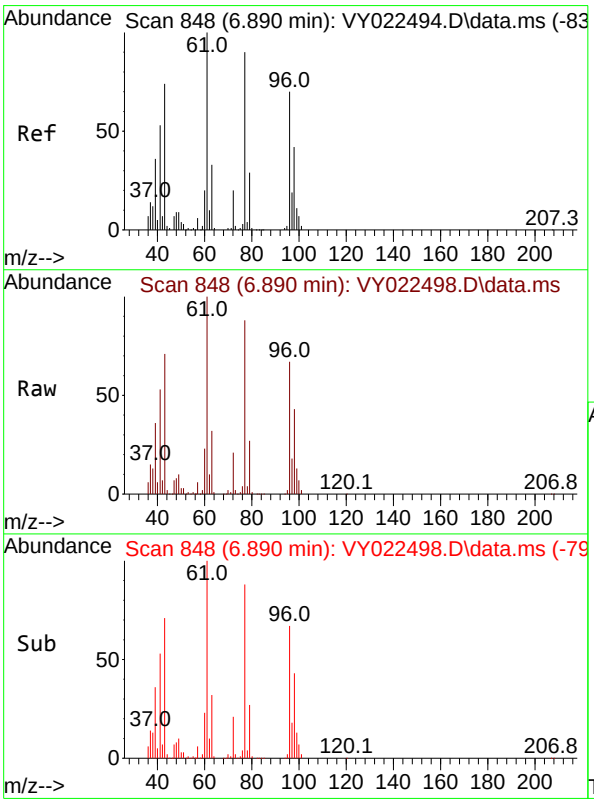
#25
2-Butanone
Concen: 220.736 ug/l
RT: 6.897 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 158557

Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.9	34.3

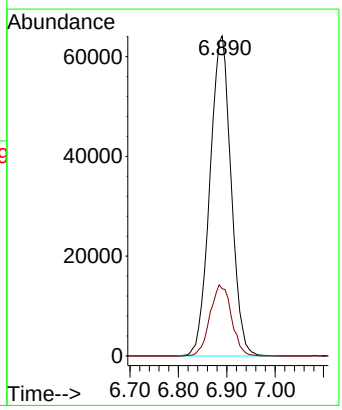


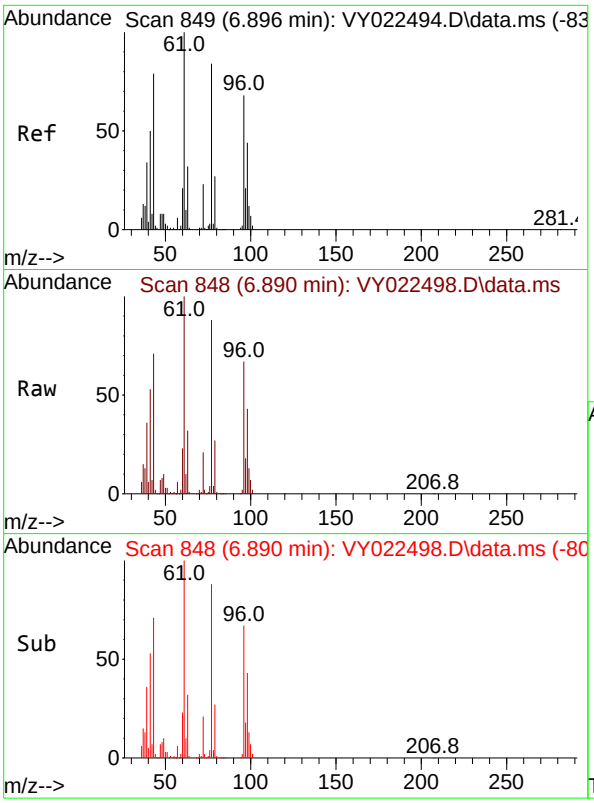


#26
2,2-Dichloropropane
Concen: 46.639 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 77 Resp: 195035

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.2



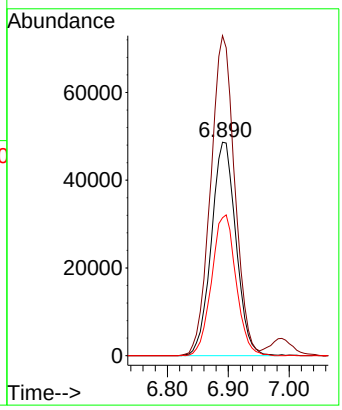


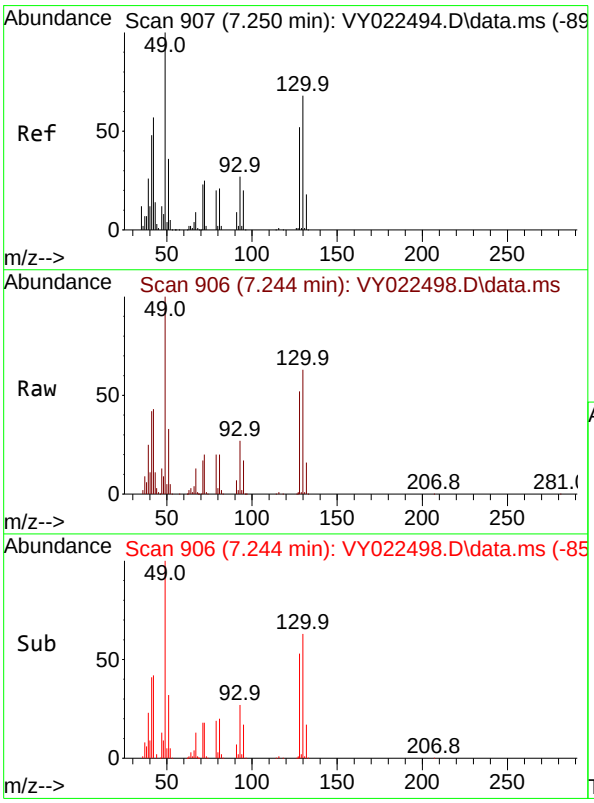
#27
cis-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 96 Resp: 136882

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	65.3	0.0	128.4

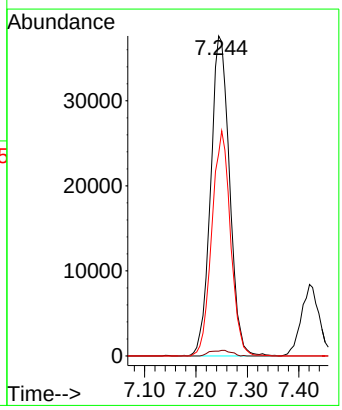


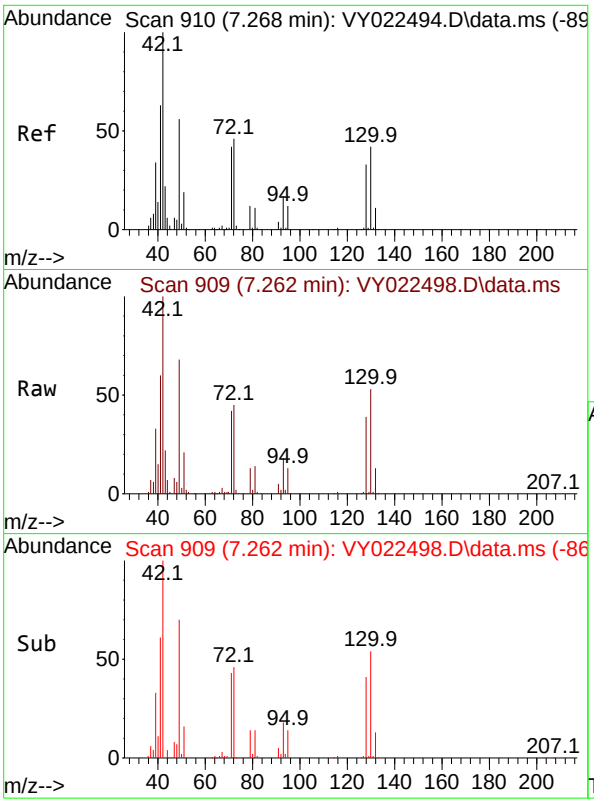


#28
Bromochloromethane
Concen: 46.547 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 49 Resp: 96031

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.6	55.7	83.5



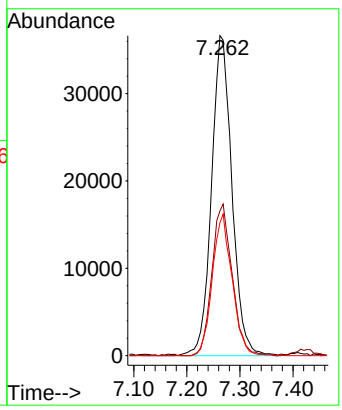


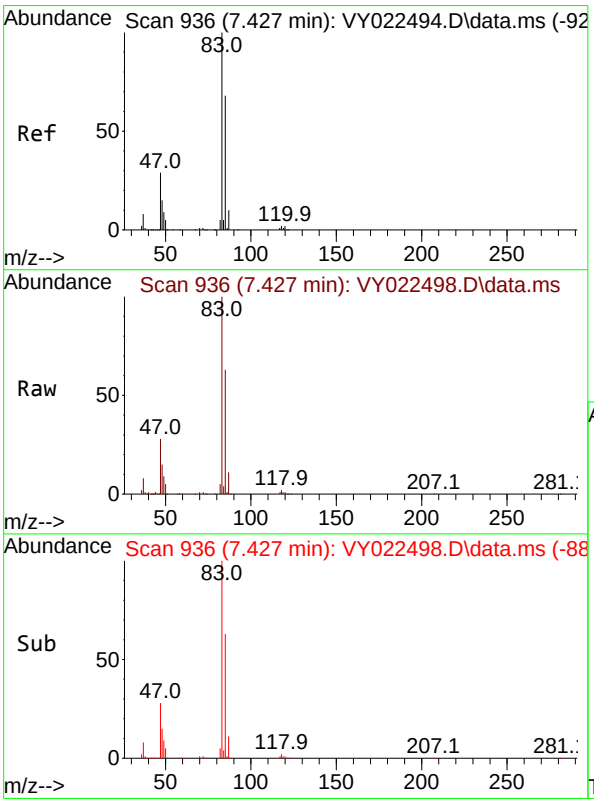
#29
Tetrahydrofuran
Concen: 211.767 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 42 Resp: 98109

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	42.7	34.2	51.2

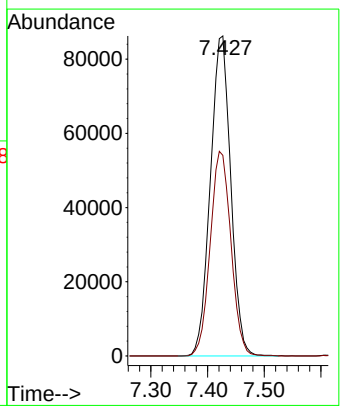


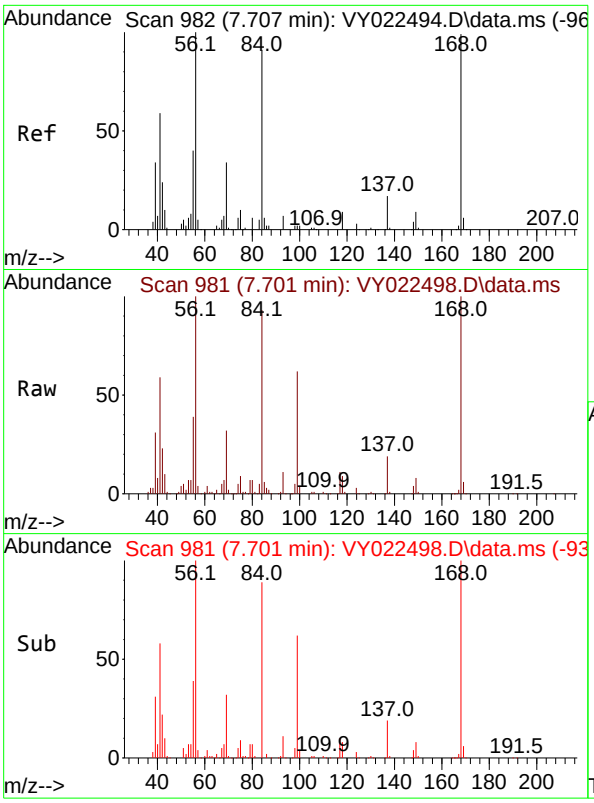


#30
Chloroform
Concen: 45.919 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 215264

Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4



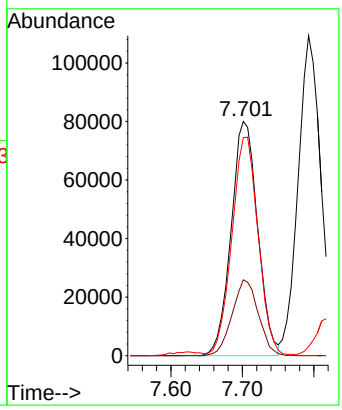


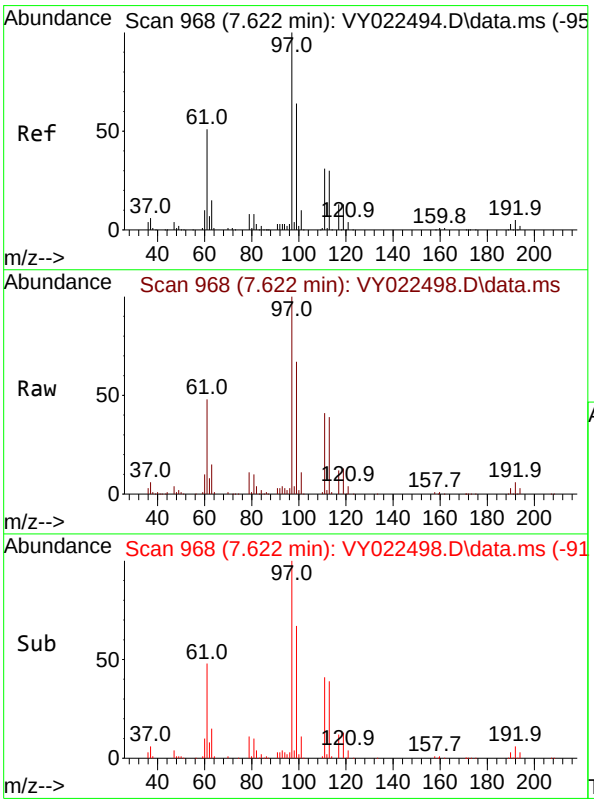
#31
Cyclohexane
Concen: 43.757 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 56 Resp: 206176

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.0	40.6
84	91.7	72.6	109.0

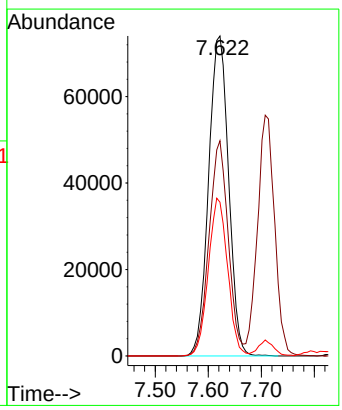


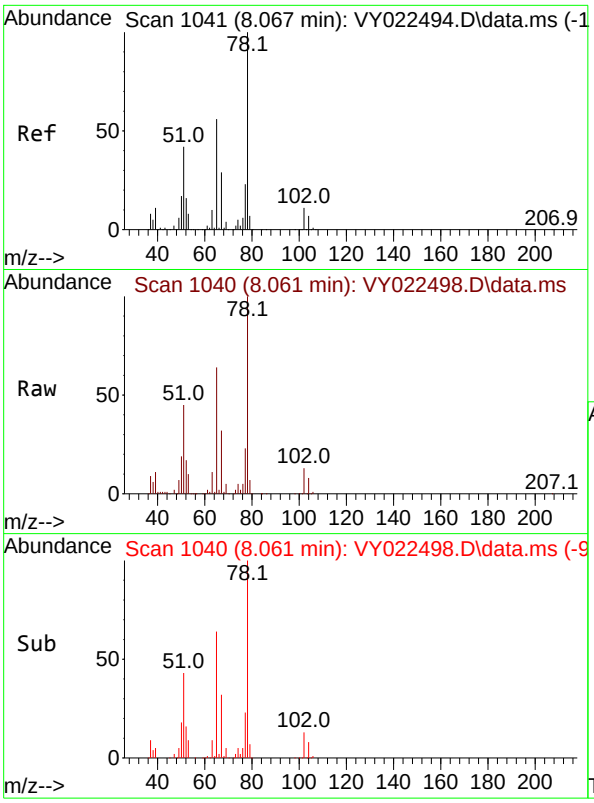


#32
1,1,1-Trichloroethane
Concen: 46.627 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 194039

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.8	38.5	57.7



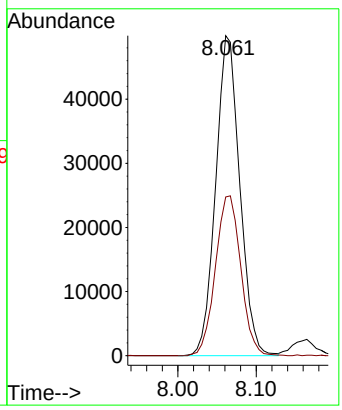


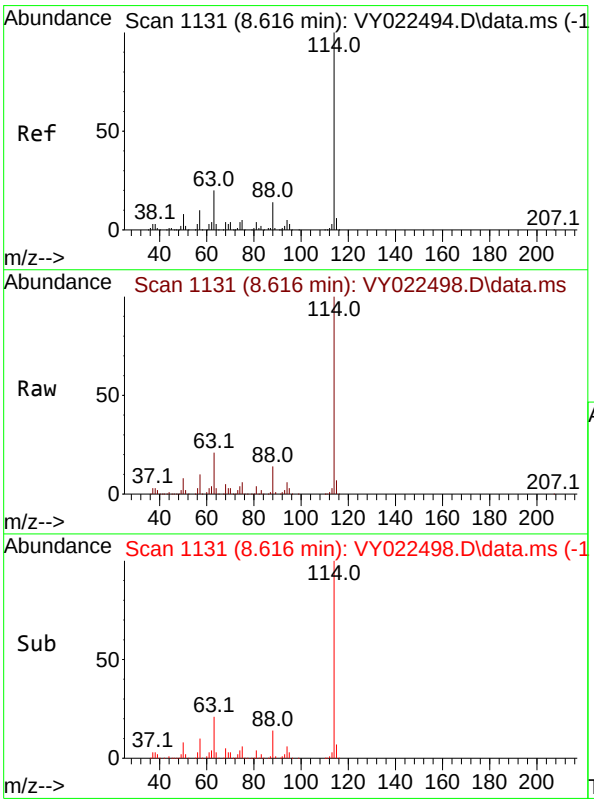
#33
1,2-Dichloroethane-d4
Concen: 43.538 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 65 Resp: 106759

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4

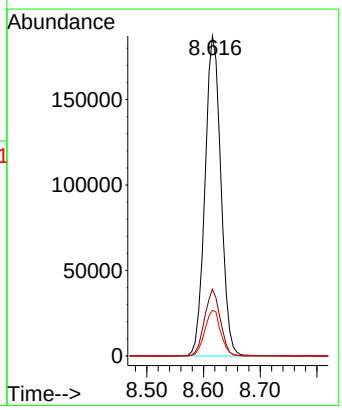


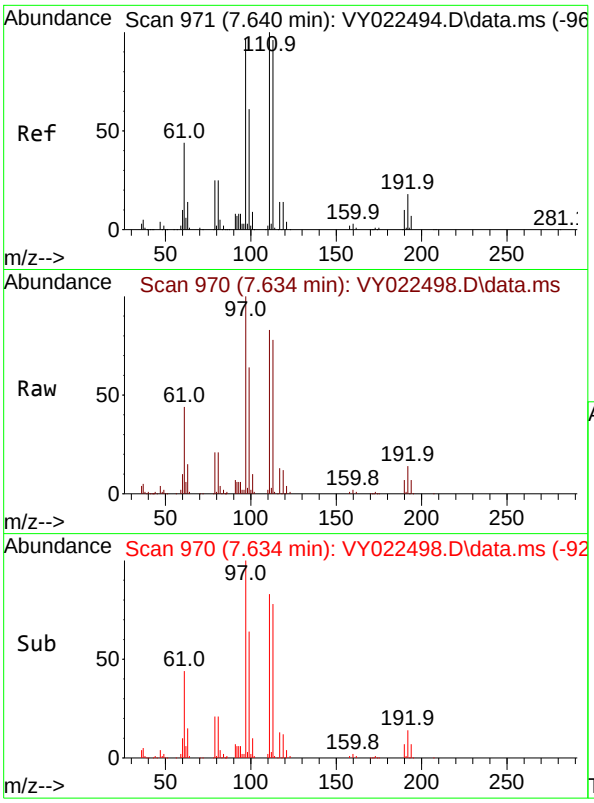


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:114 Resp: 365013

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.3	0.0	27.8



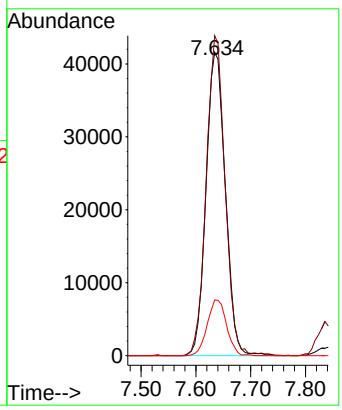


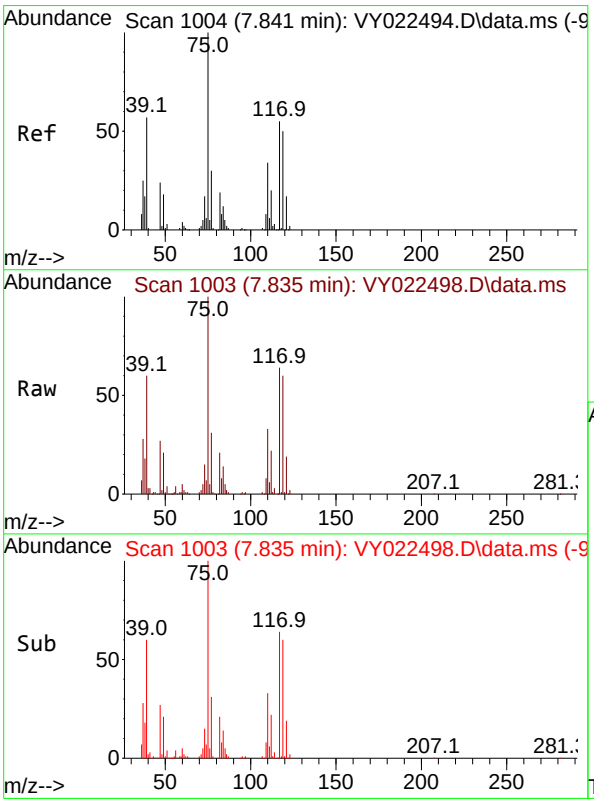
#35
Dibromofluoromethane
Concen: 46.676 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:113 Resp: 101692

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.4	14.2	21.2

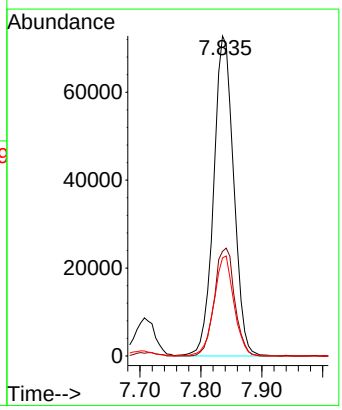


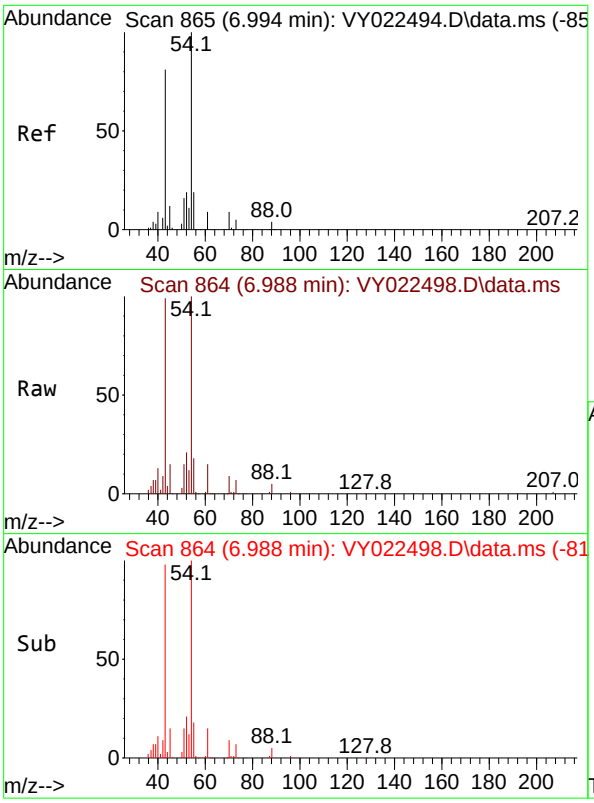


#36
1,1-Dichloropropene
Concen: 46.978 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 166116

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.2	24.8	37.2



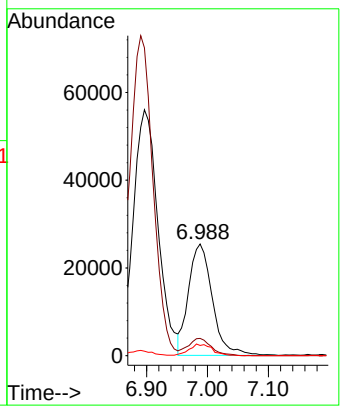


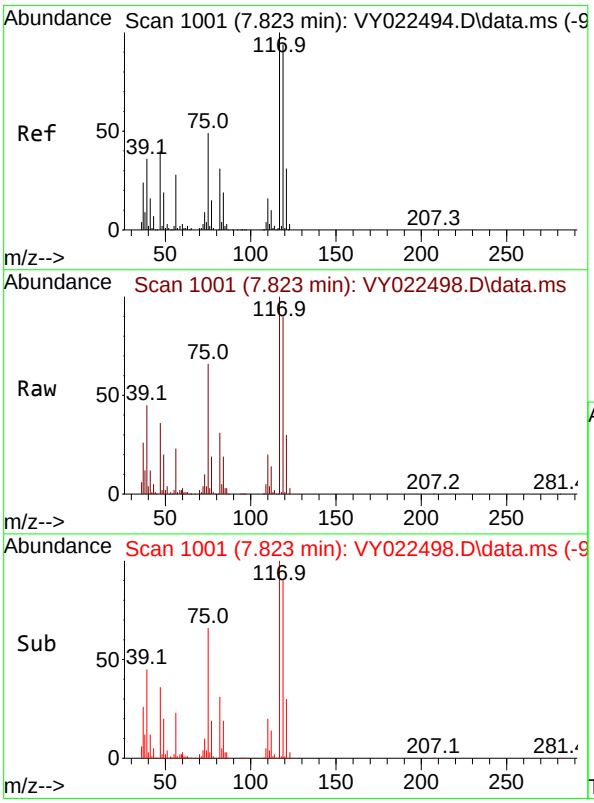
#37
Ethyl Acetate
Concen: 43.605 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 68761

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	10.1	7.2	10.8

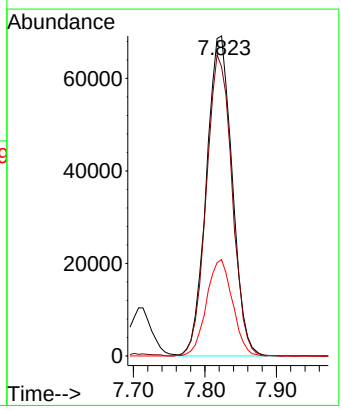


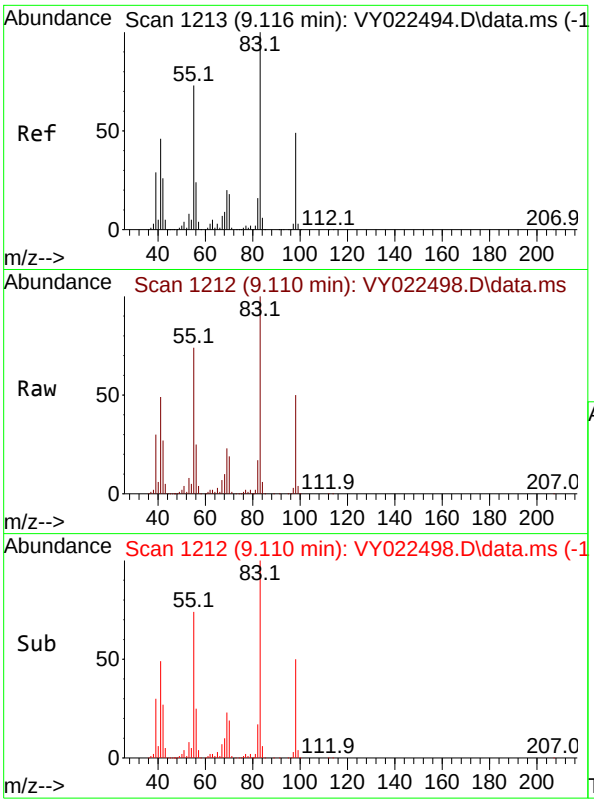


#38
Carbon Tetrachloride
Concen: 47.747 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 173199

Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.0	112.6
121	30.1	25.0	37.4



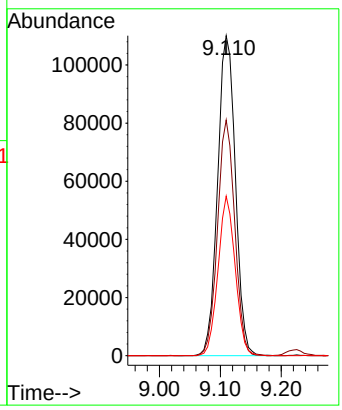


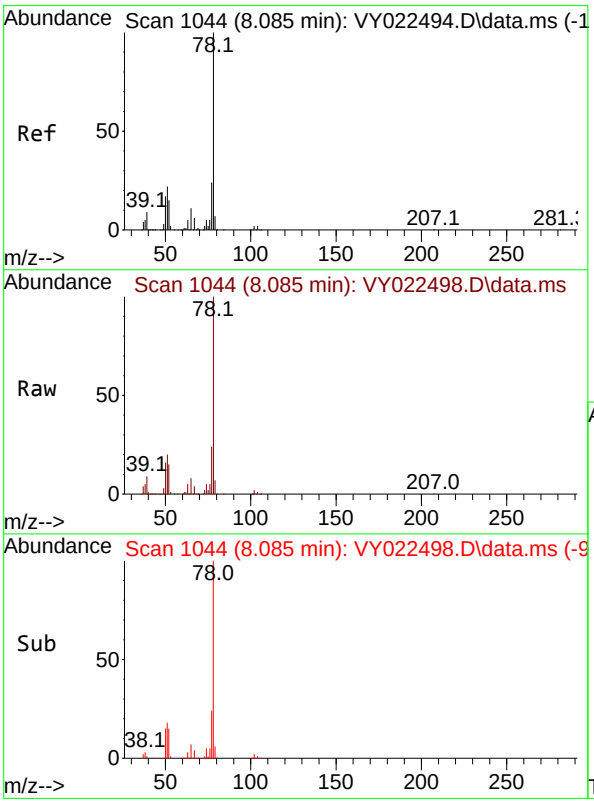
#39
Methylcyclohexane
Concen: 46.923 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 83 Resp: 222971

Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.1	87.1
98	49.9	39.0	58.6

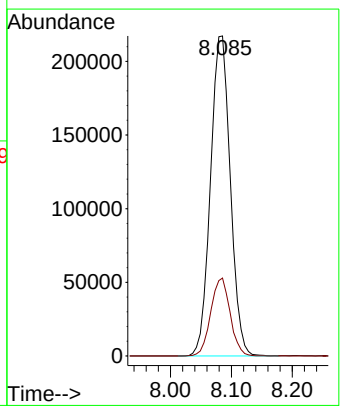


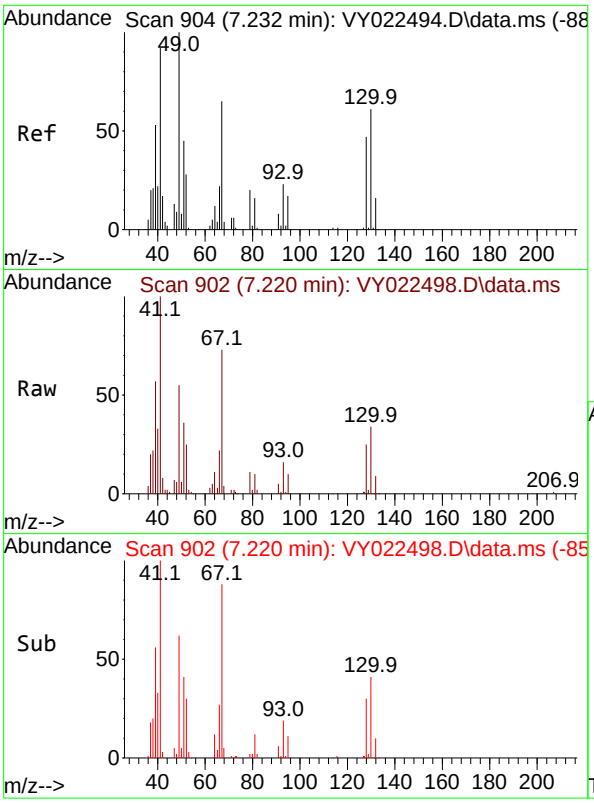


#40
Benzene
Concen: 47.020 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 78 Resp: 491078

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9



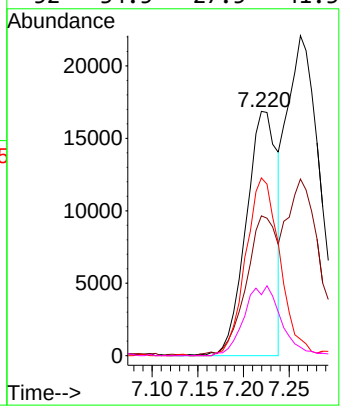


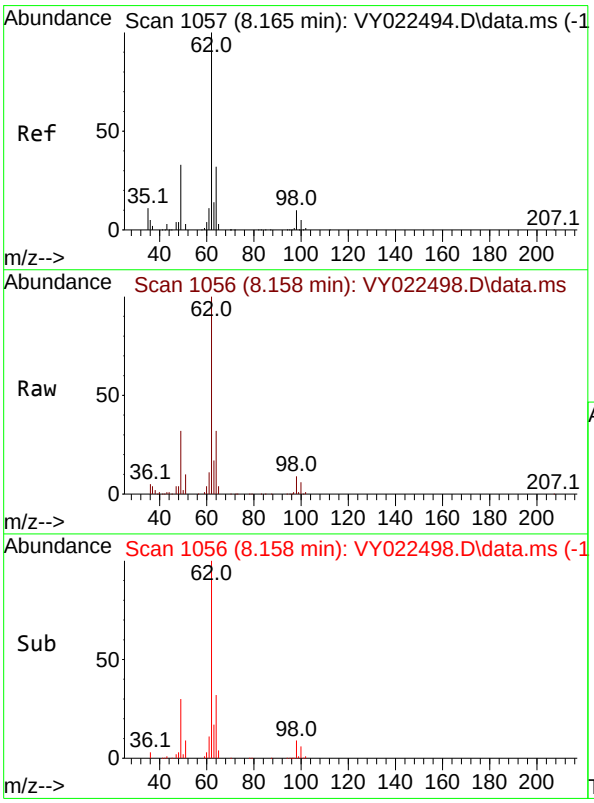
#41
Methacrylonitrile
Concen: 43.134 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 41 Resp: 39730

Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.6	69.8
67	80.2	63.3	94.9
52	34.5	27.5	41.3

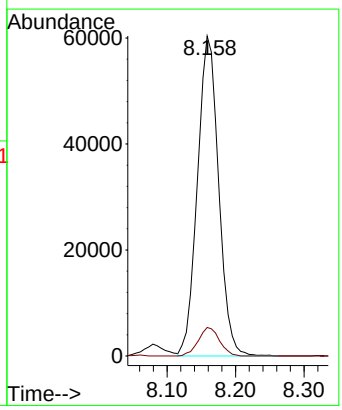


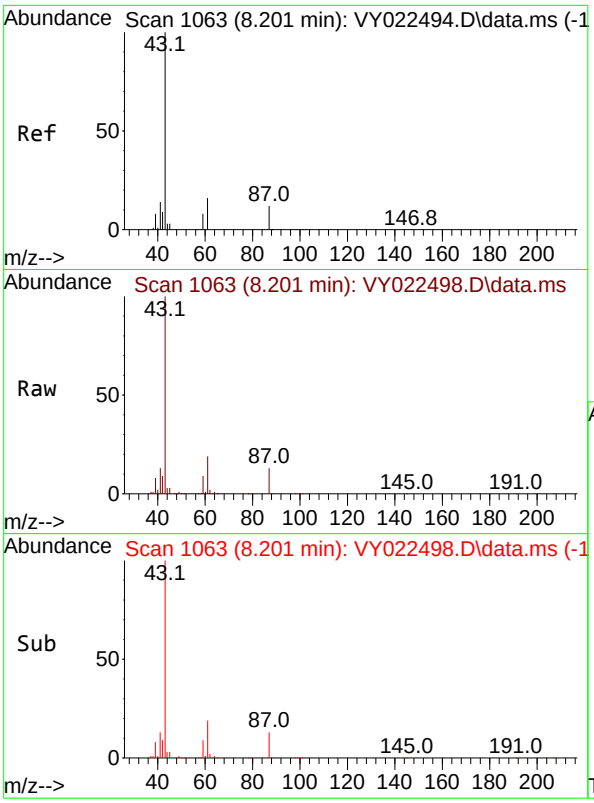


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 130161

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2



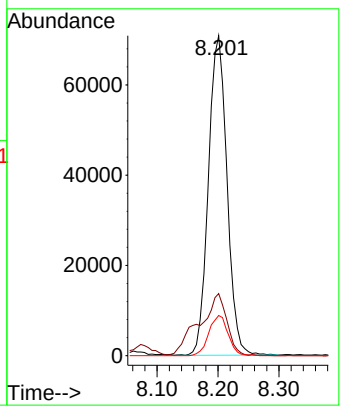


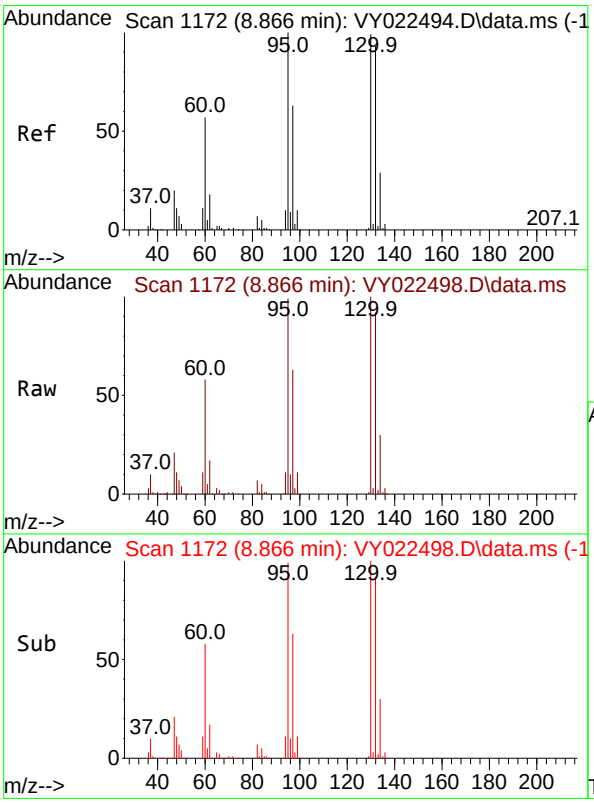
#43
Isopropyl Acetate
Concen: 44.122 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 150263

Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.6	23.4#
87	13.0	10.2	15.4

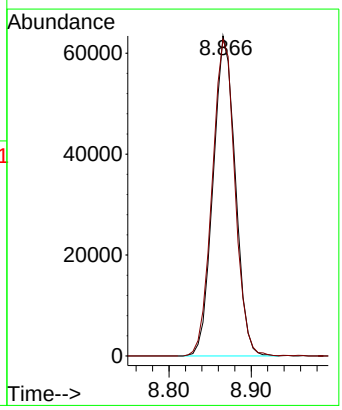


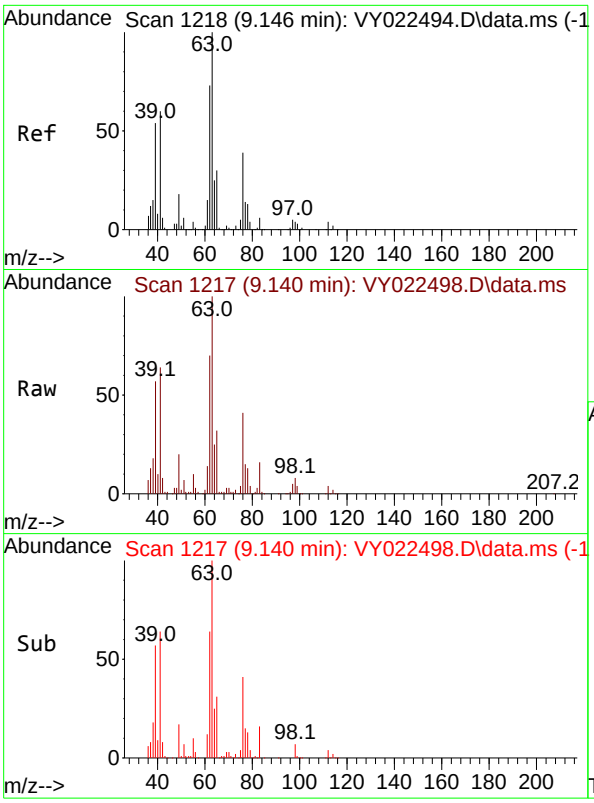


#44
Trichloroethene
Concen: 46.609 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:130 Resp: 118971

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0



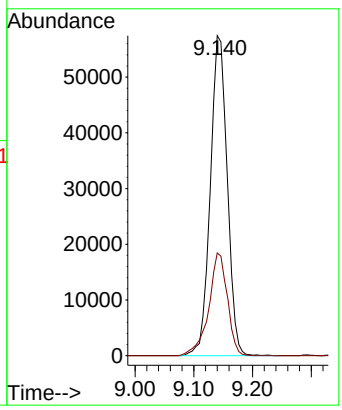


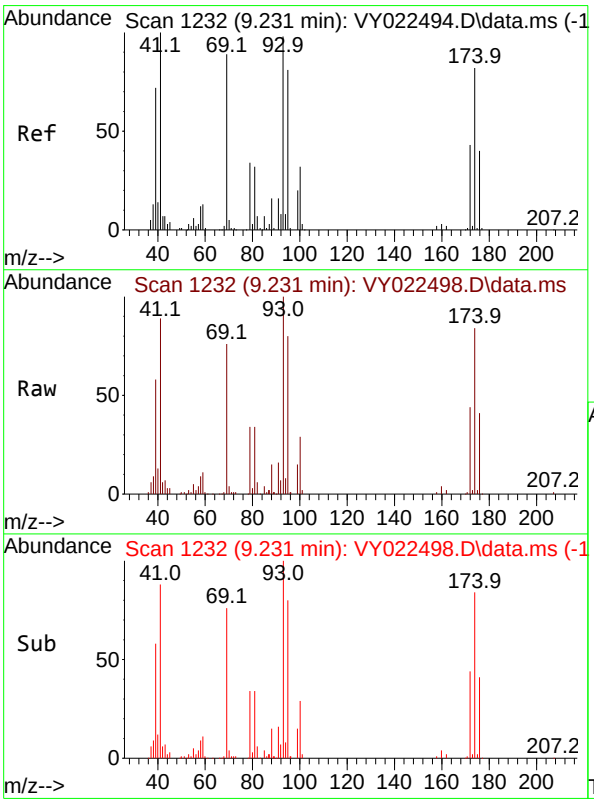
#45
1,2-Dichloropropane
Concen: 46.587 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 63 Resp: 114988

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.0	36.0

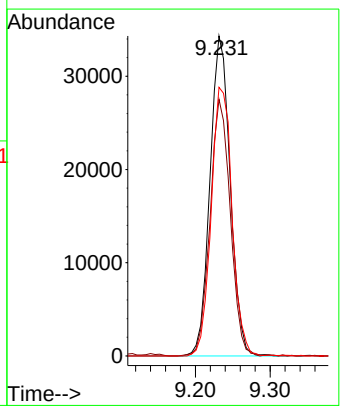


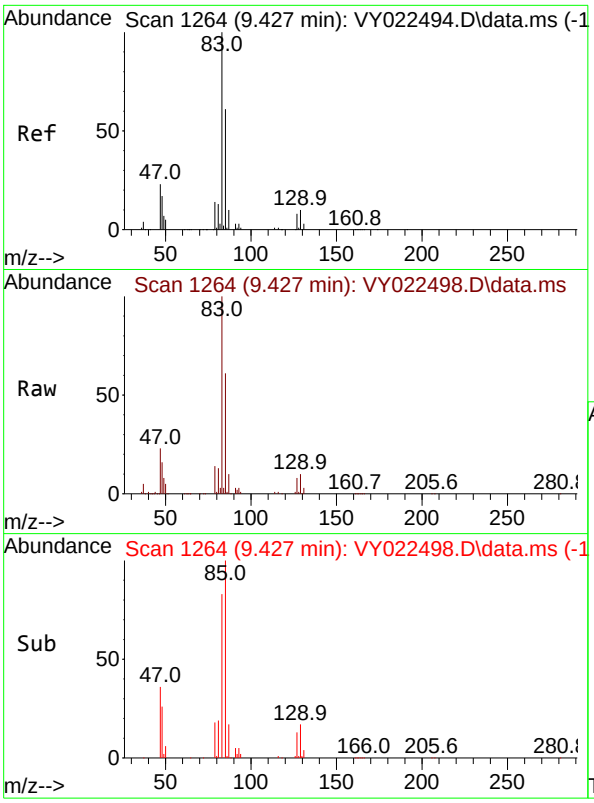


#46
Dibromomethane
Concen: 46.430 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 93 Resp: 64473

Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.6	98.4
174	86.4	70.4	105.6



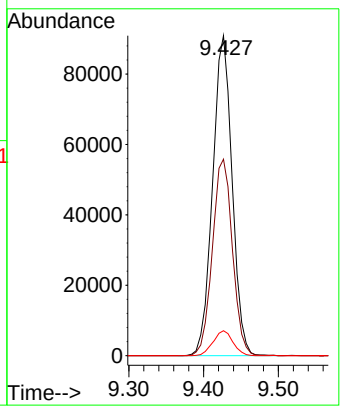


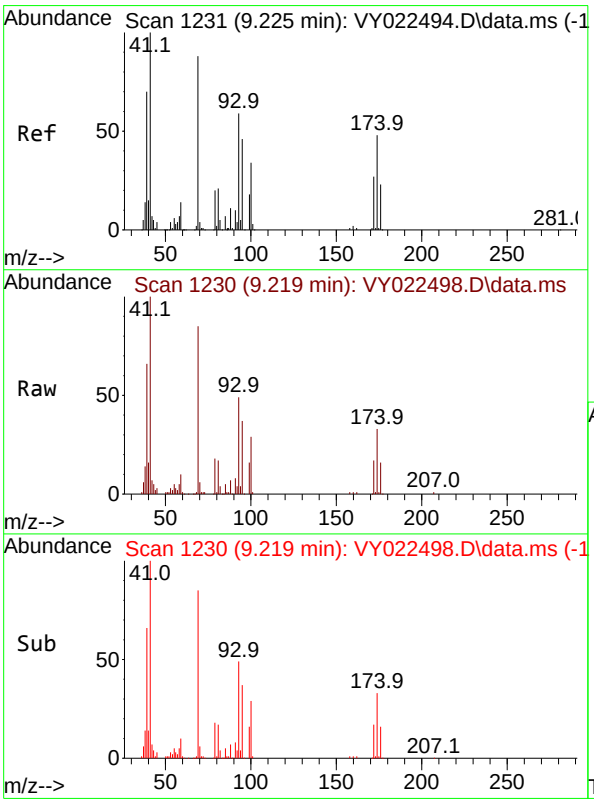
#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 83 Resp: 164872

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4

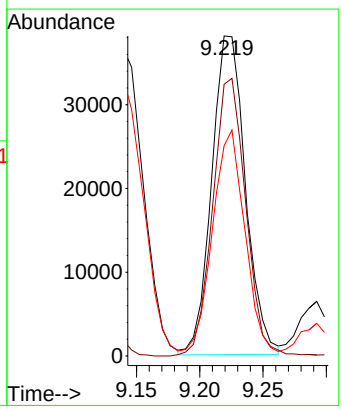


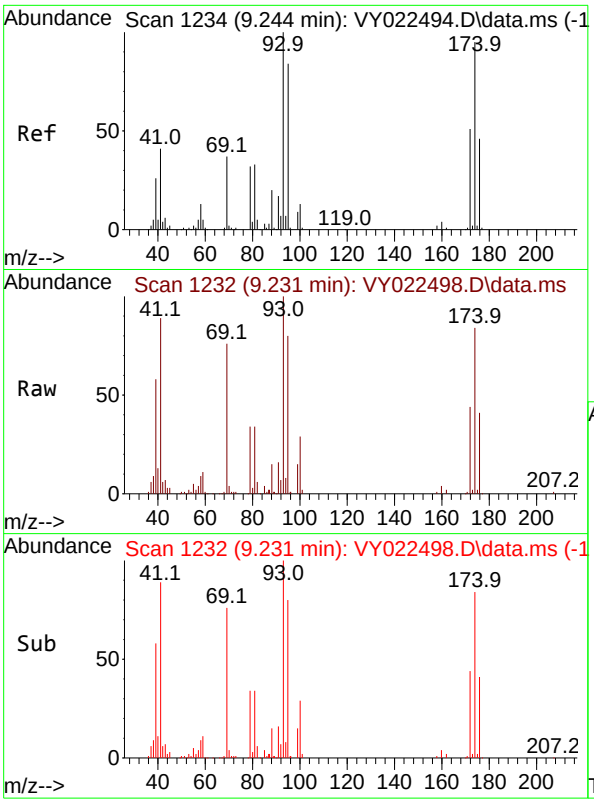


#48
Methyl methacrylate
Concen: 44.198 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 70644

Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.8
39	65.9	55.0	82.4



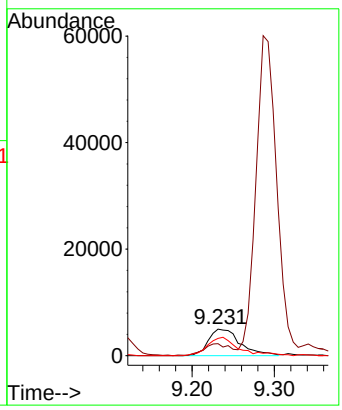


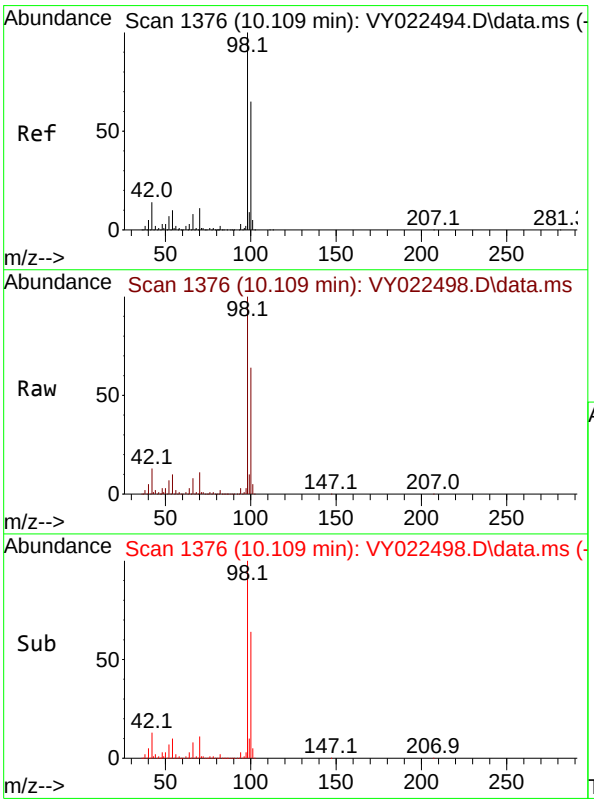
#49
1,4-Dioxane
Concen: 816.553 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 88 Resp: 13433

Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.4	38.2#
58	67.7	54.9	82.3

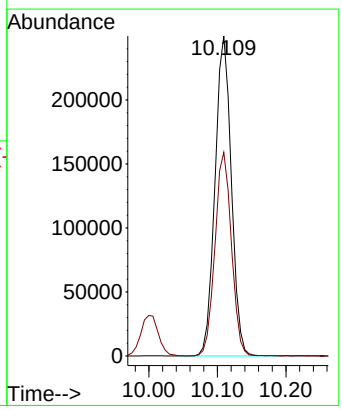


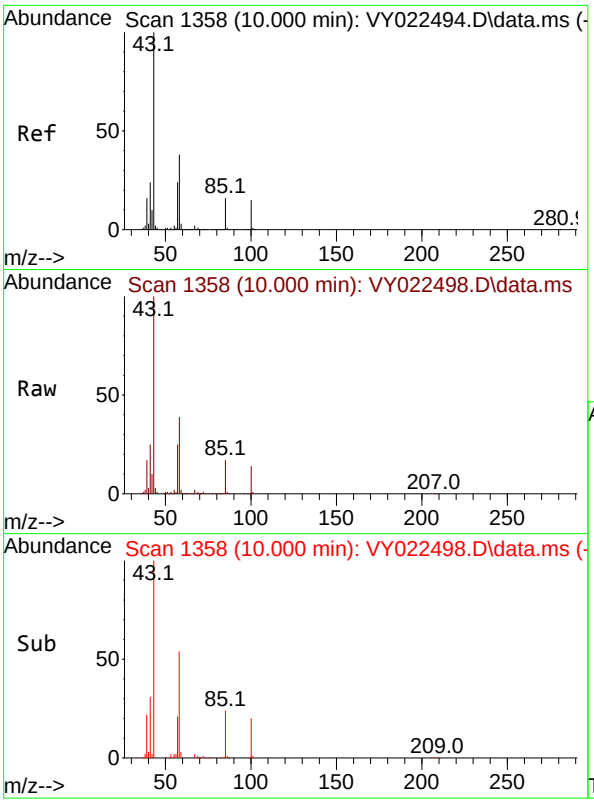


#50
Toluene-d8
Concen: 46.760 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 98 Resp: 411640

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0



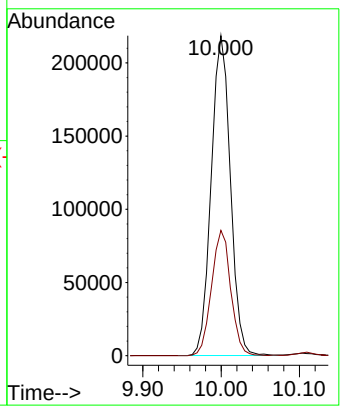


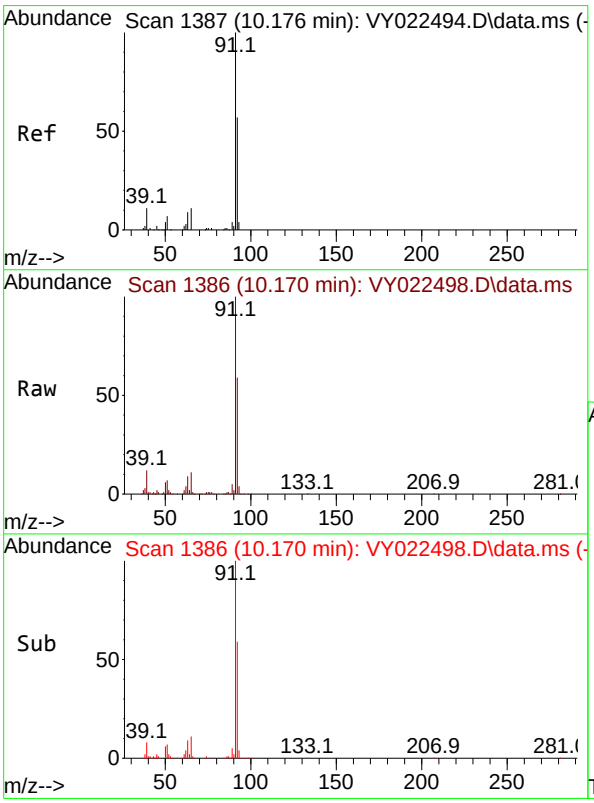
#51
4-Methyl-2-Pentanone
Concen: 219.250 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 372276

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6

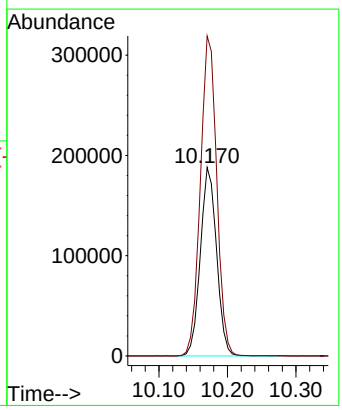


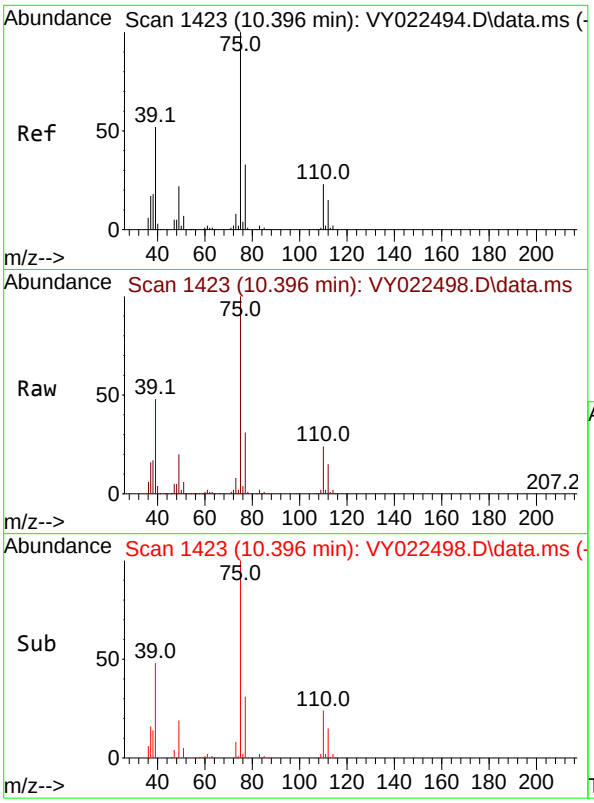


#52
Toluene
Concen: 47.137 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 92 Resp: 309375

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.0	208.4



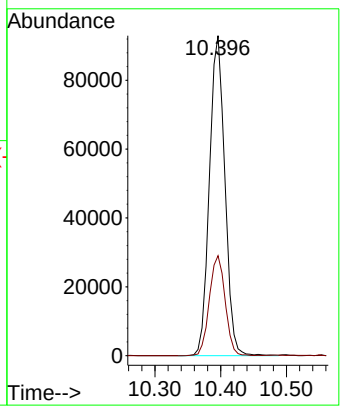


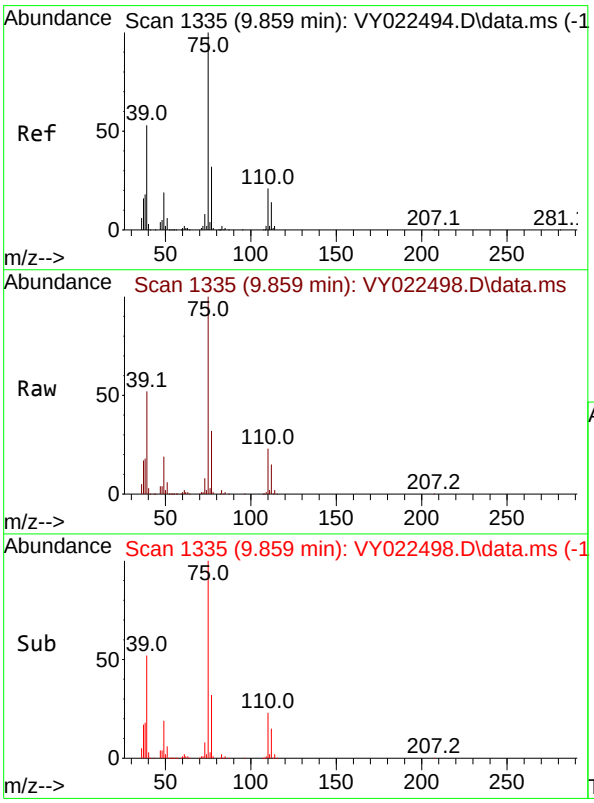
#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 75 Resp: 152066

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.5	39.7

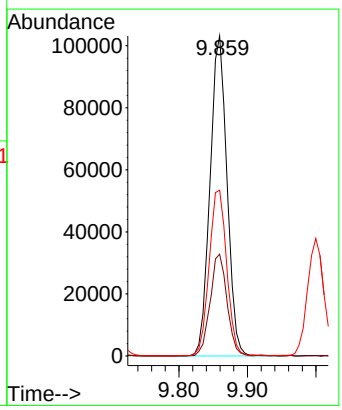


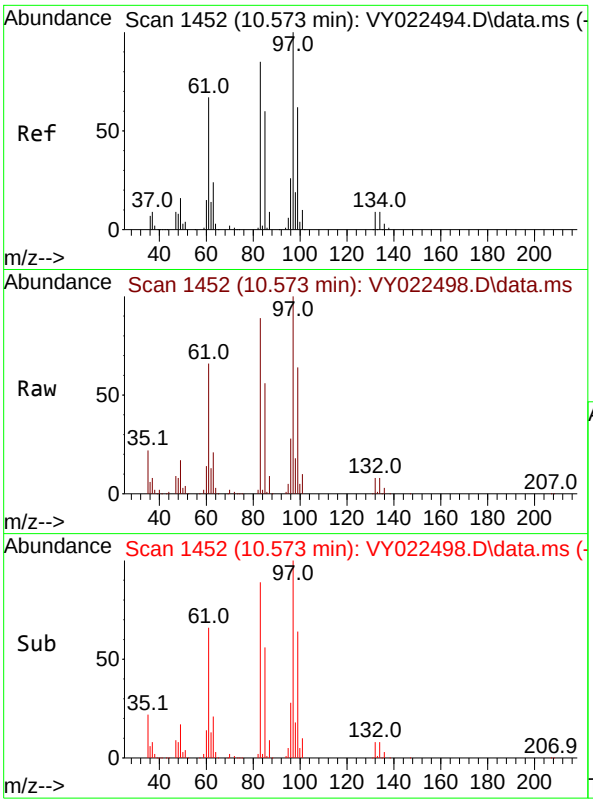


#54
cis-1,3-Dichloropropene
Concen: 46.206 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 177445

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	51.6	42.7	64.1



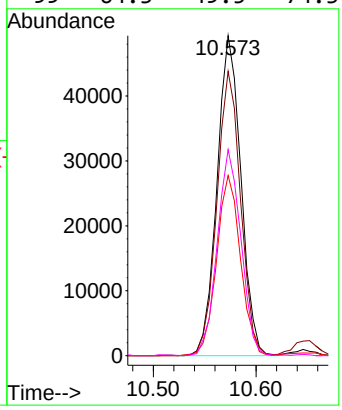


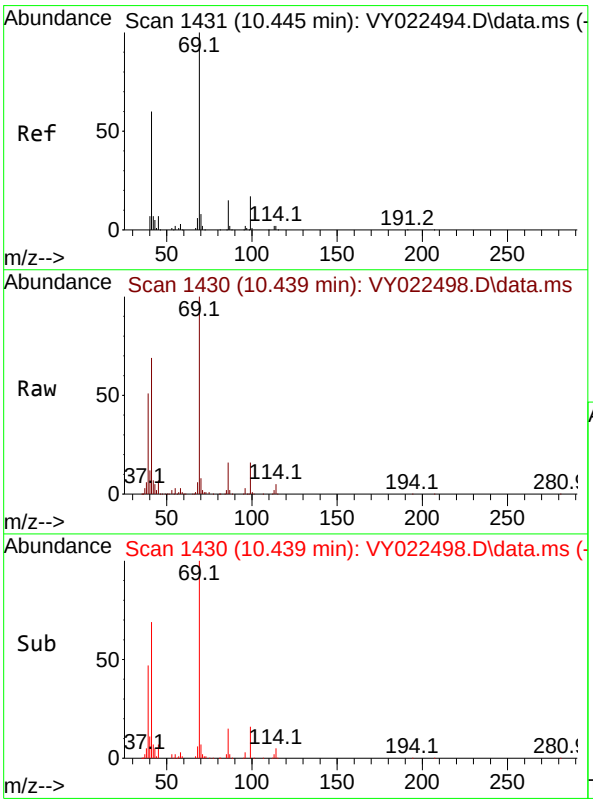
#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 97 Resp: 79596

Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.1	102.1
85	56.3	48.2	72.2
99	64.3	49.5	74.3

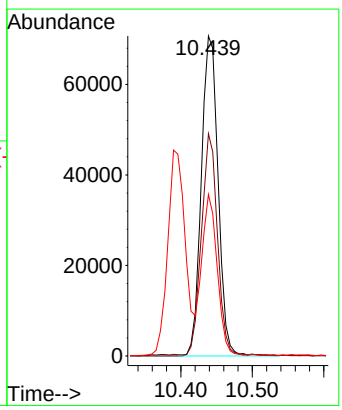


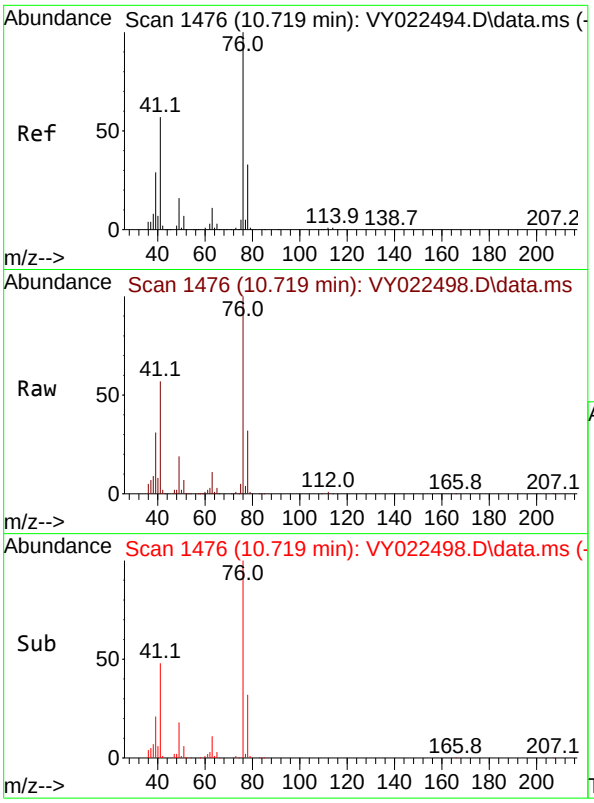


#56
Ethyl methacrylate
Concen: 45.029 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 69 Resp: 115237

Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.2	78.2
39	45.6	36.7	55.1



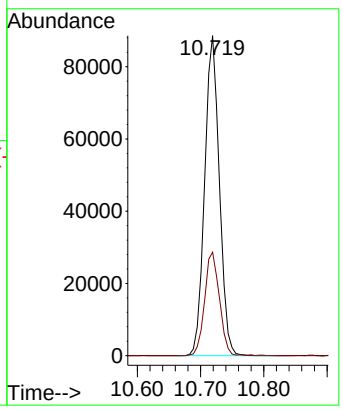


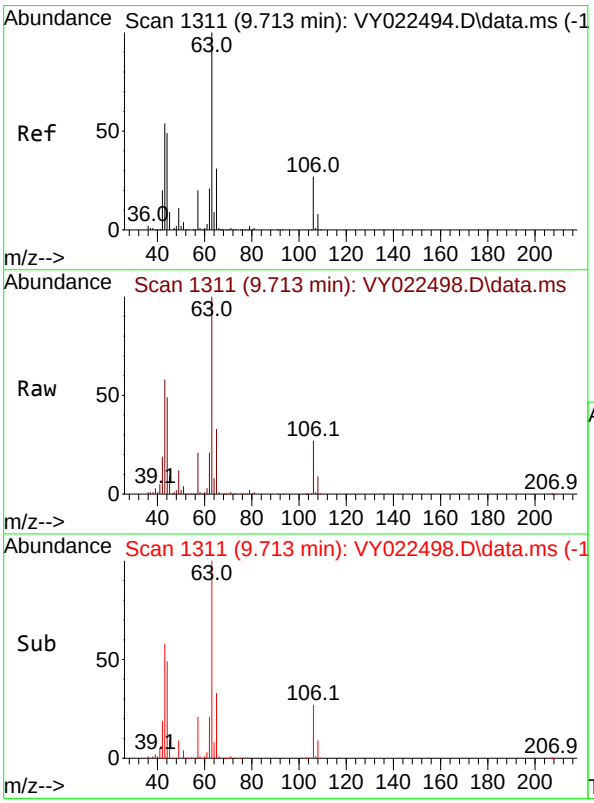
#57
1,3-Dichloropropane
Concen: 45.696 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 76 Resp: 143407

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

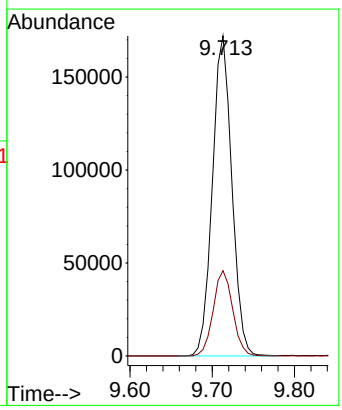


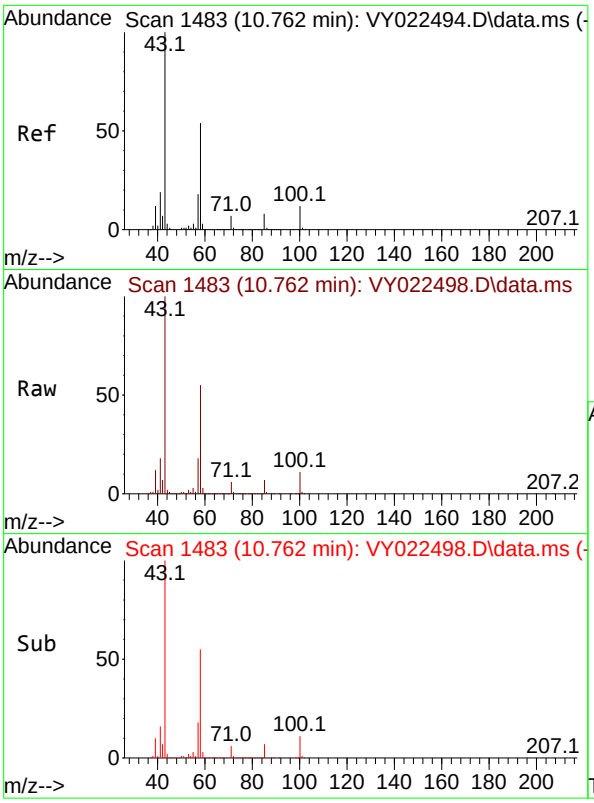


#58
2-Chloroethyl Vinyl ether
Concen: 243.746 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 283213

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4



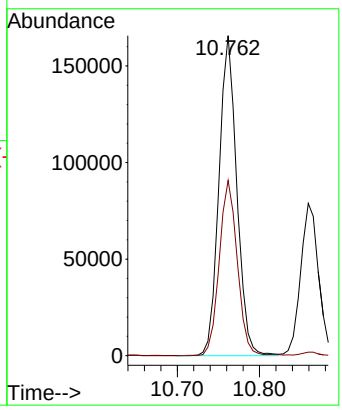


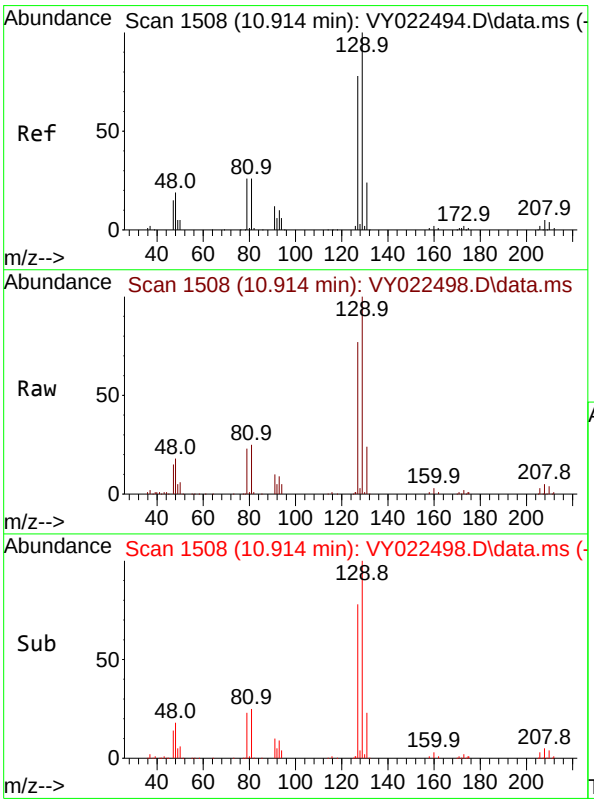
#59
2-Hexanone
Concen: 220.088 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 249926

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

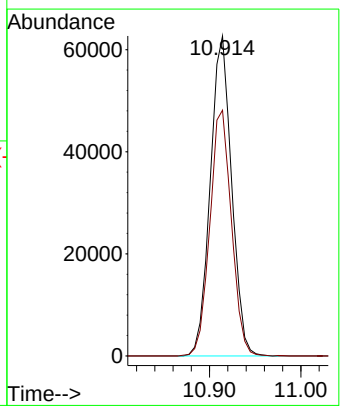


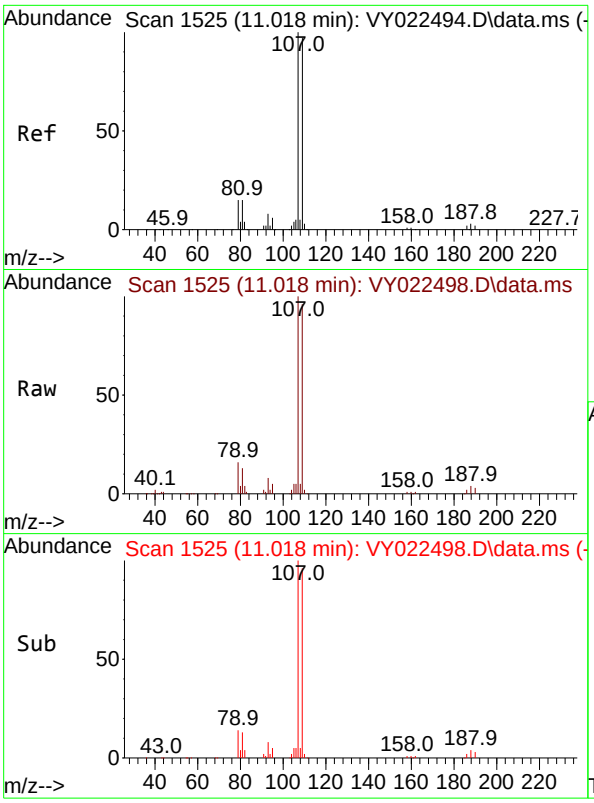


#60
Dibromochloromethane
Concen: 45.114 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:129 Resp: 101515

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2



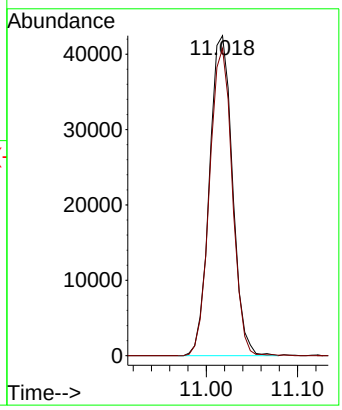


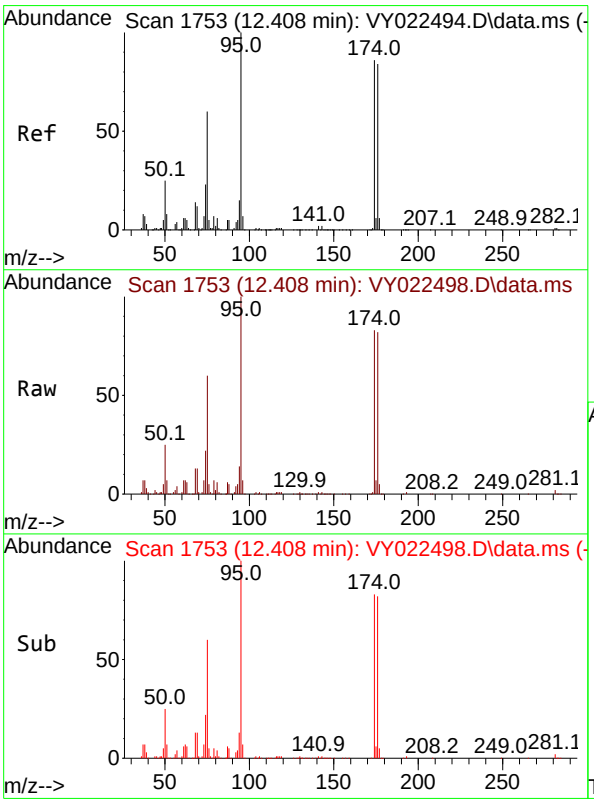
#61
1,2-Dibromoethane
Concen: 45.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:107 Resp: 74173

Ion	Ratio	Lower	Upper
107	100		
109	94.5	77.7	116.5

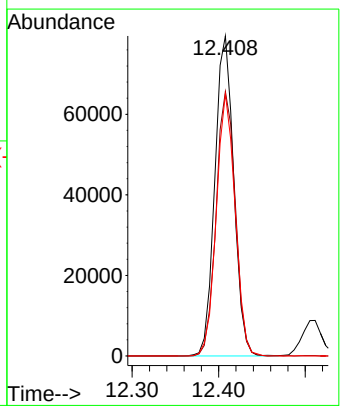


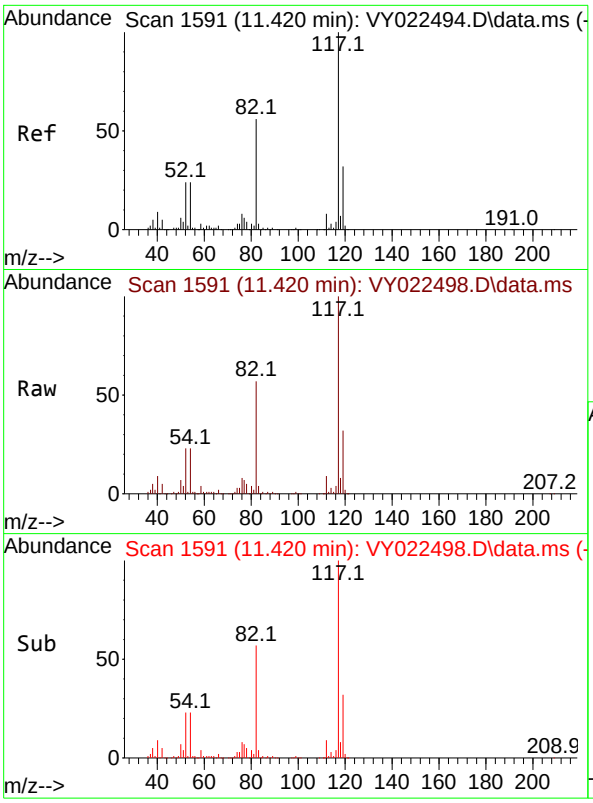


#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 95 Resp: 120253

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.0
176	81.5	0.0	166.2



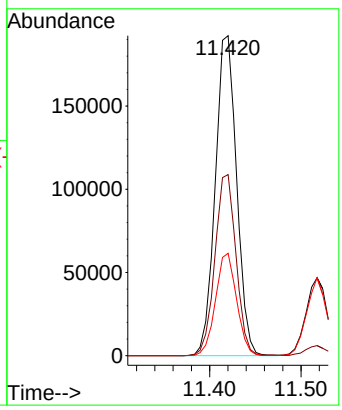


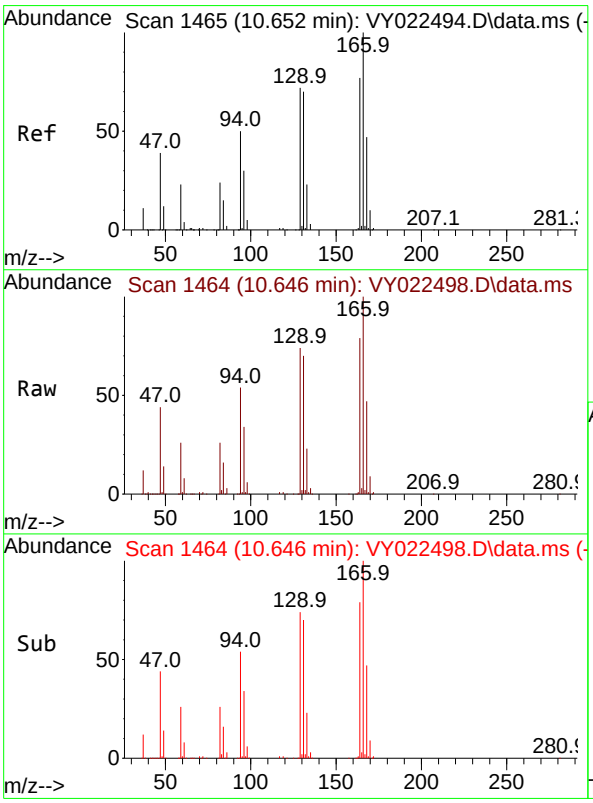
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:117 Resp: 312263

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.0	25.4	38.0

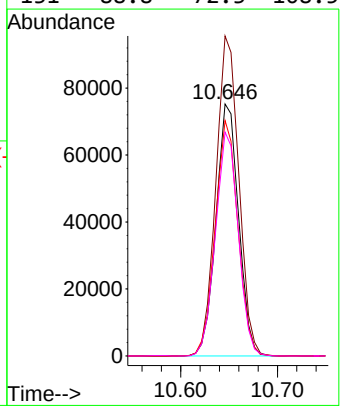


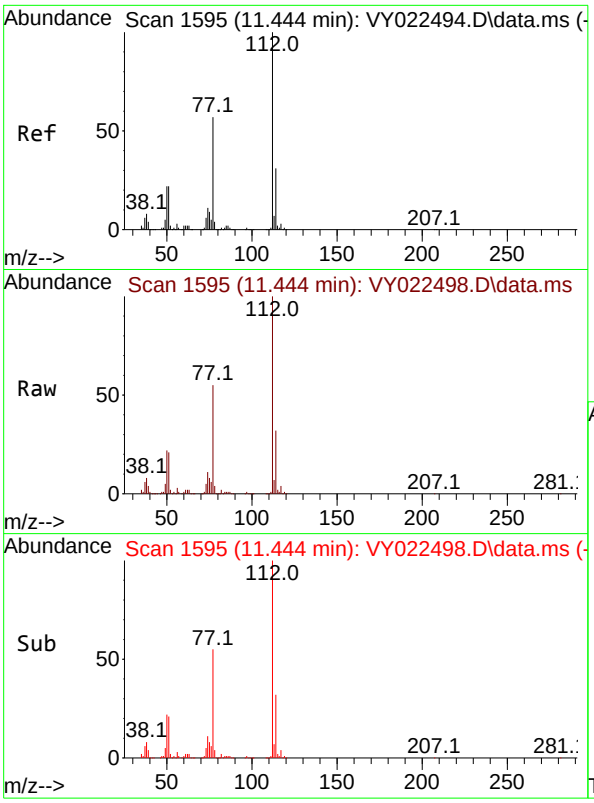


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:164 Resp: 121944

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	93.4	74.5	111.7
131	88.8	72.3	108.5



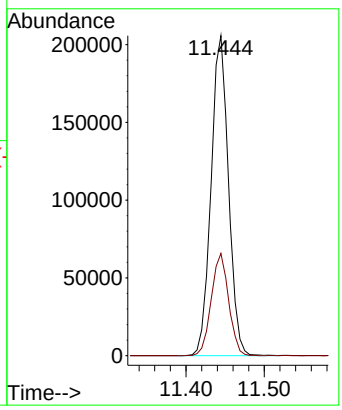


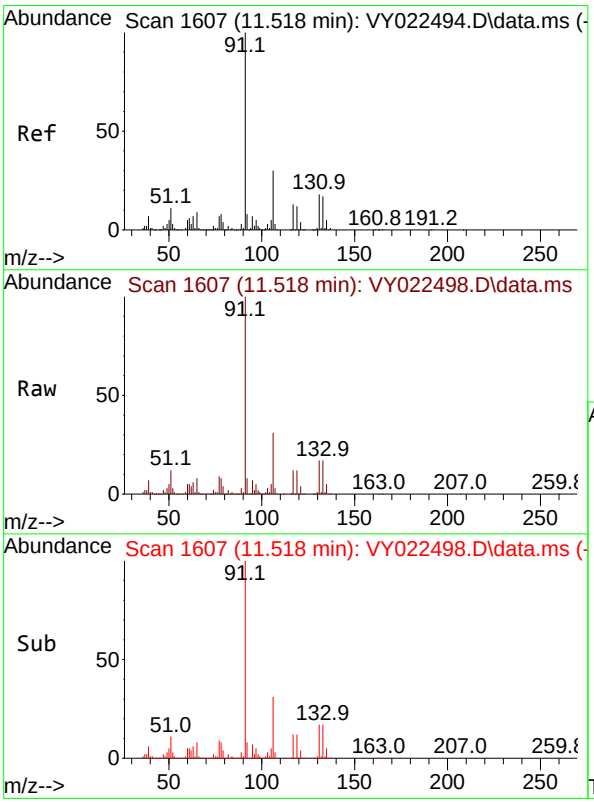
#65
Chlorobenzene
Concen: 45.953 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:112 Resp: 317533

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

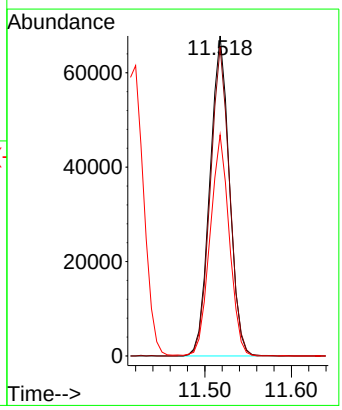


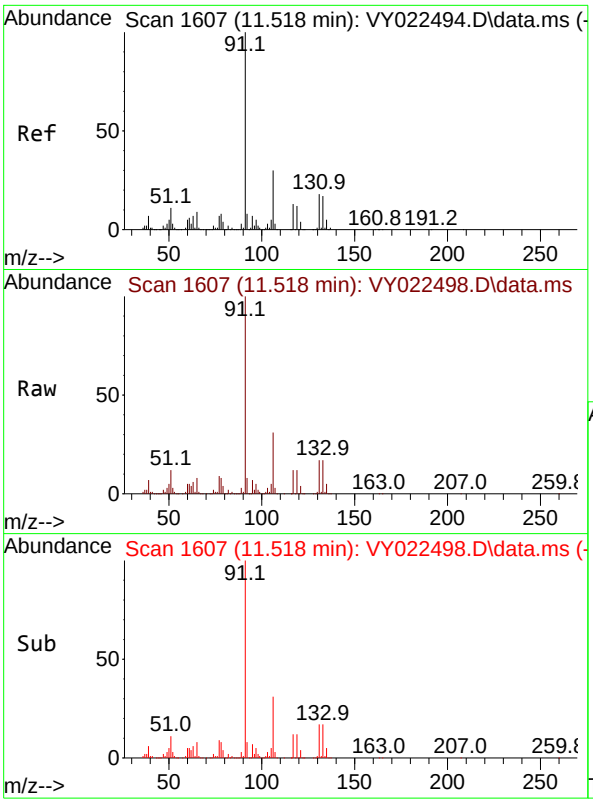


#66
1,1,1,2-Tetrachloroethane
Concen: 45.464 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:131 Resp: 105830

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	68.3	33.1	99.3



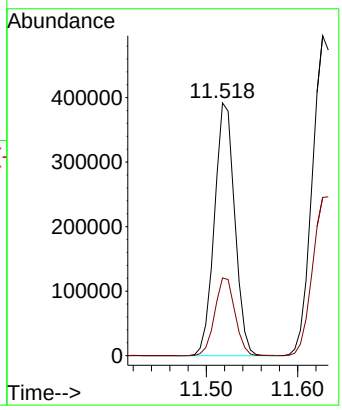


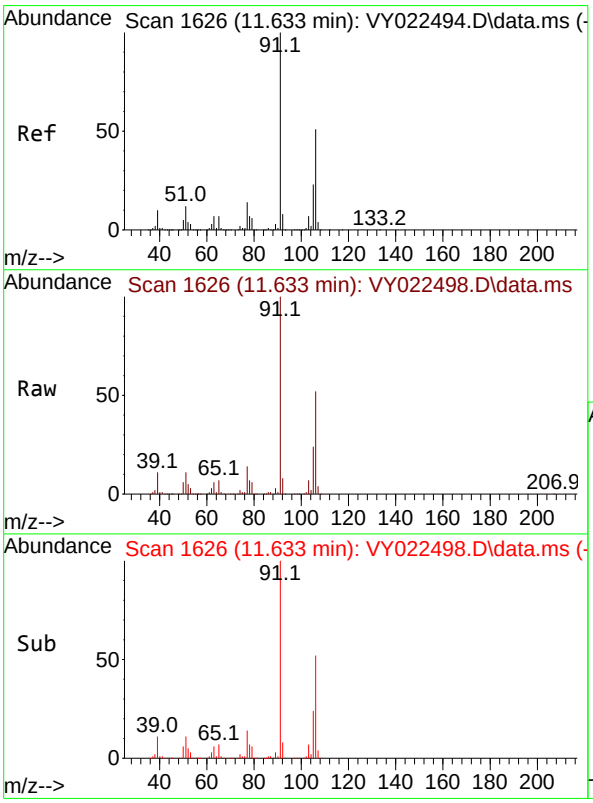
#67
Ethyl Benzene
Concen: 47.248 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 91 Resp: 605560

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4

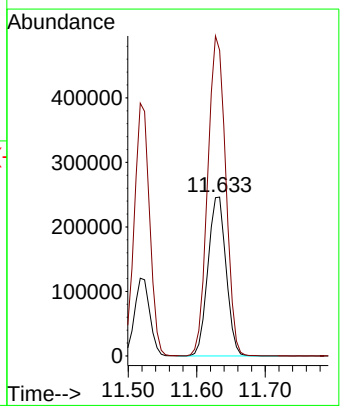


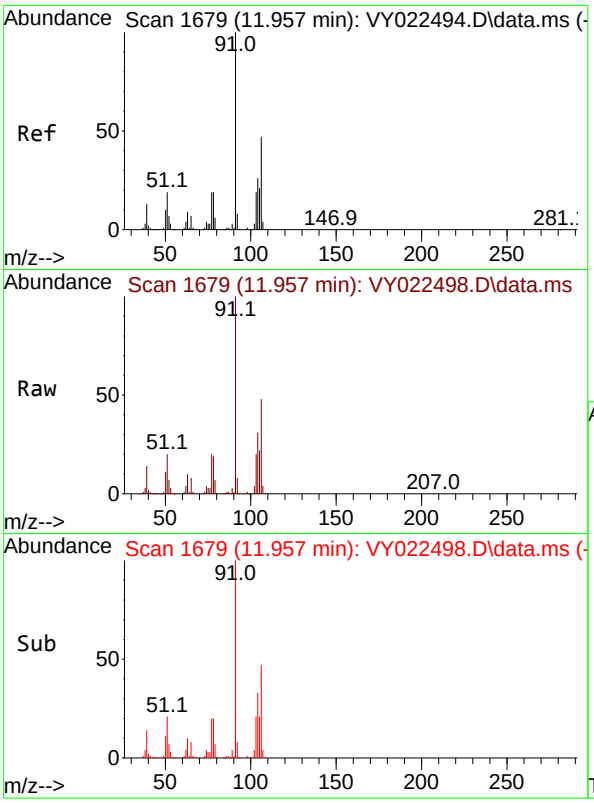


#68
m/p-Xylenes
Concen: 93.473 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 454148

Ion	Ratio	Lower	Upper
106	100		
91	199.5	159.4	239.0



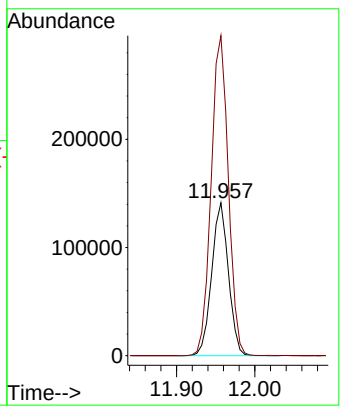


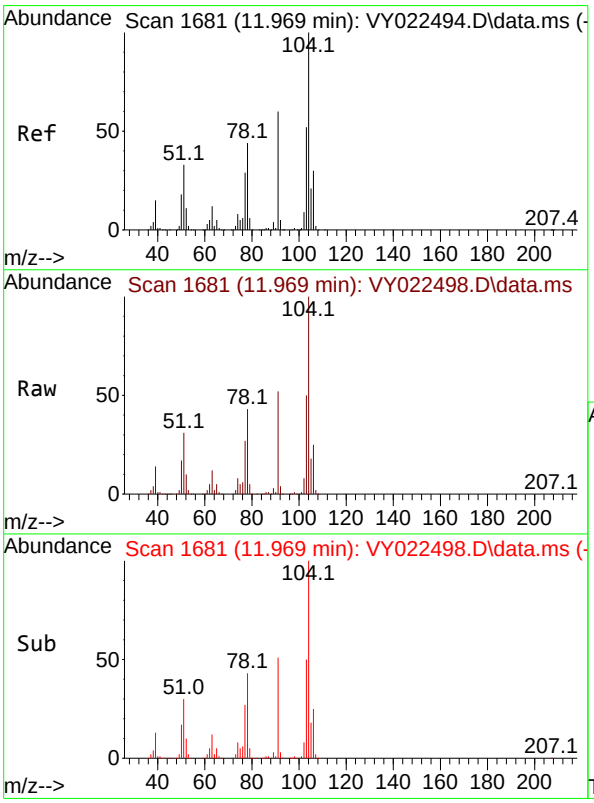
#69
o-Xylene
Concen: 45.959 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:106 Resp: 209354

Ion	Ratio	Lower	Upper
106	100		
91	214.9	105.8	317.3

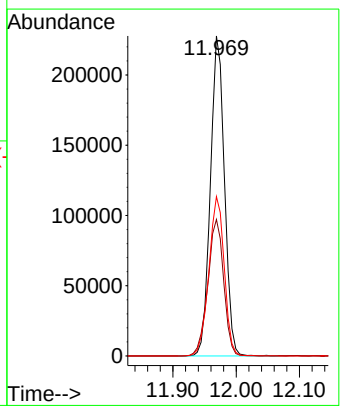


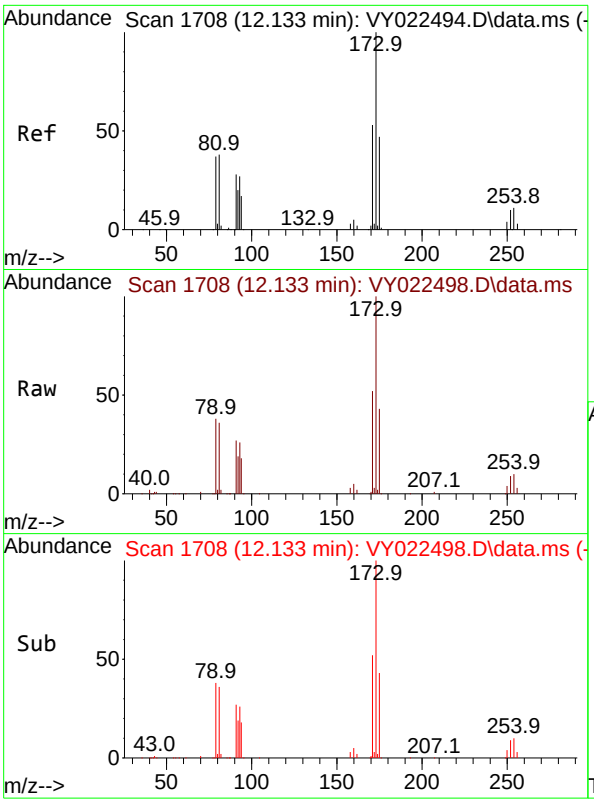


#70
Styrene
Concen: 46.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:104 Resp: 352505

Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.5	59.3
103	54.4	44.1	66.1



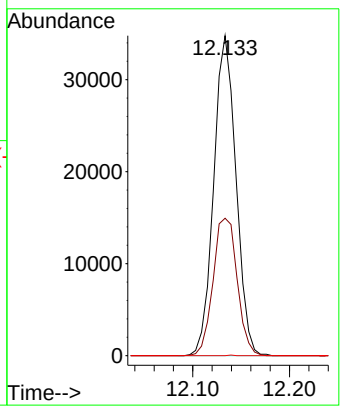


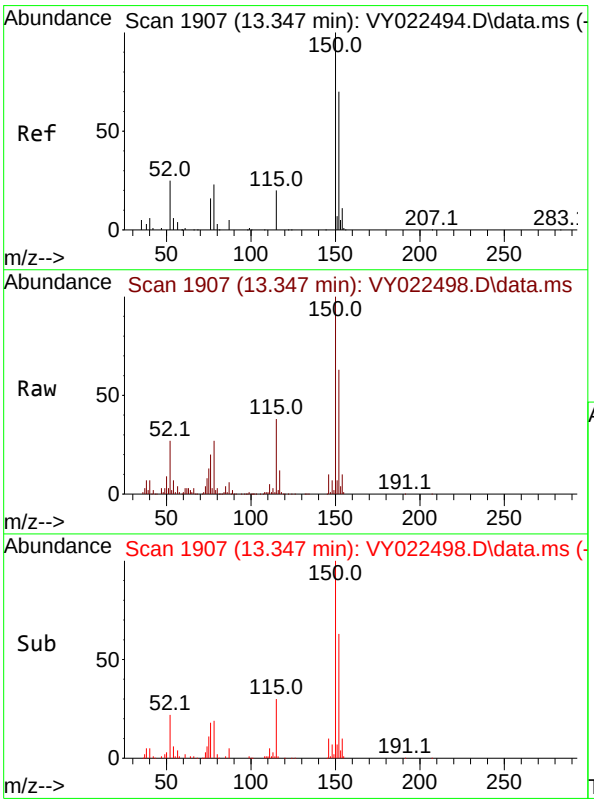
#71
Bromoform
Concen: 44.852 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:173 Resp: 55559

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0#

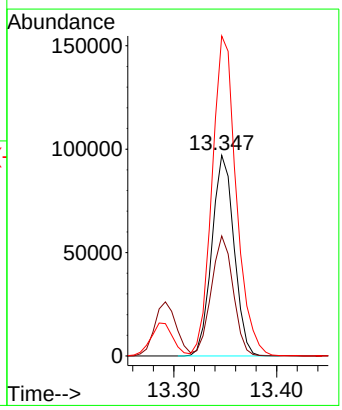


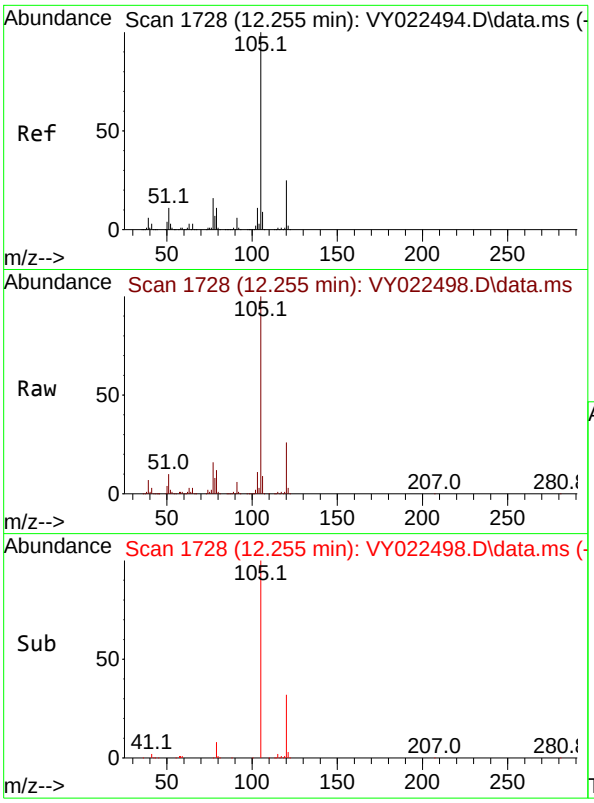


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:152 Resp: 145254

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.9	86.7
150	174.0	0.0	349.6



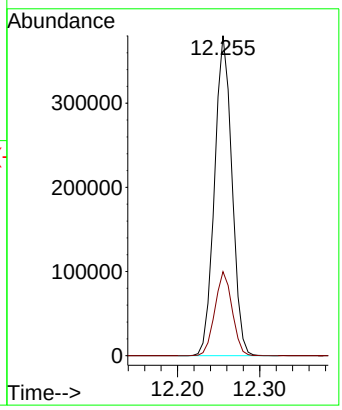


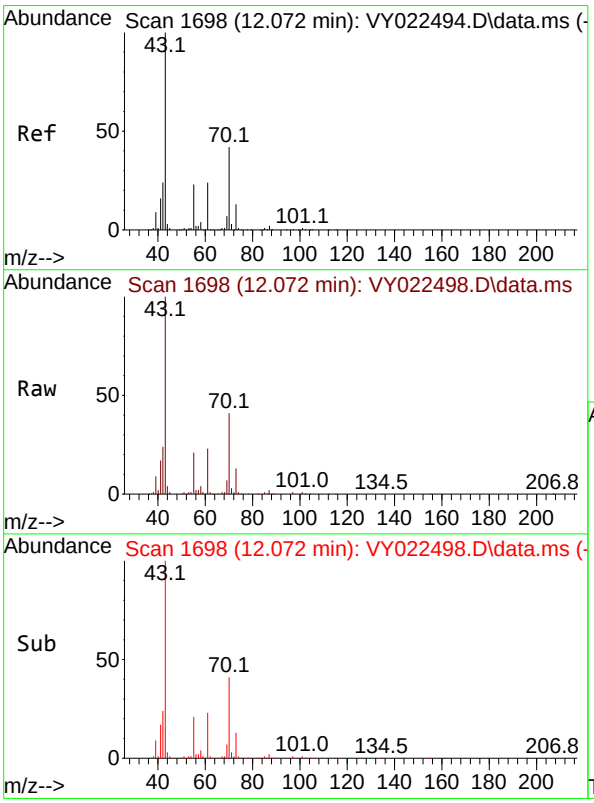
#73
Isopropylbenzene
Concen: 46.933 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:105 Resp: 559690

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

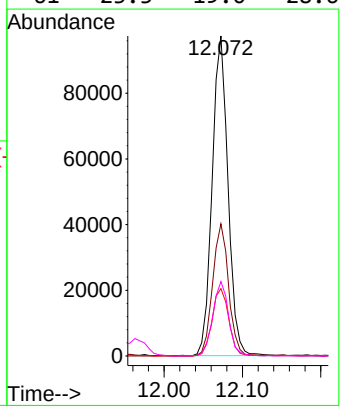


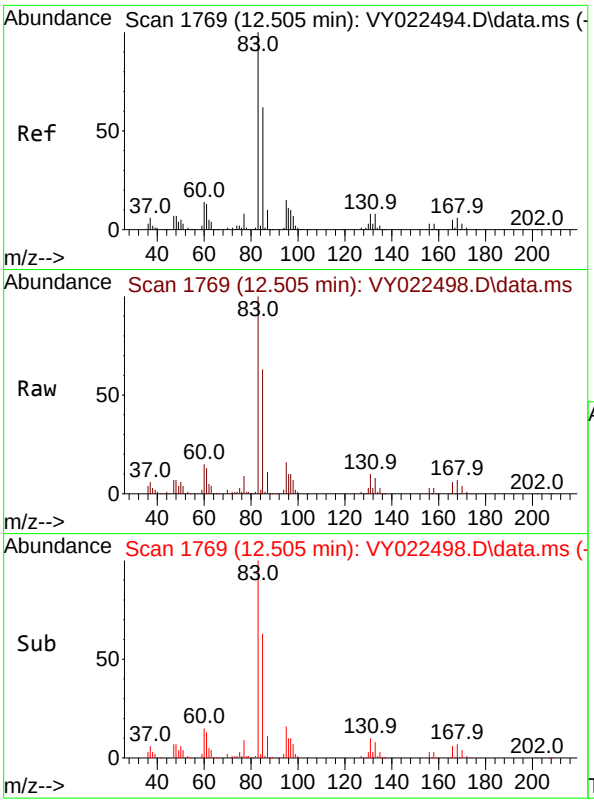


#74
N-amyl acetate
Concen: 45.502 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 136915

Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.2	51.2
55	22.1	18.2	27.4
61	23.3	19.0	28.6



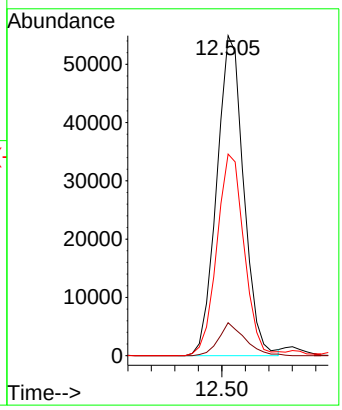


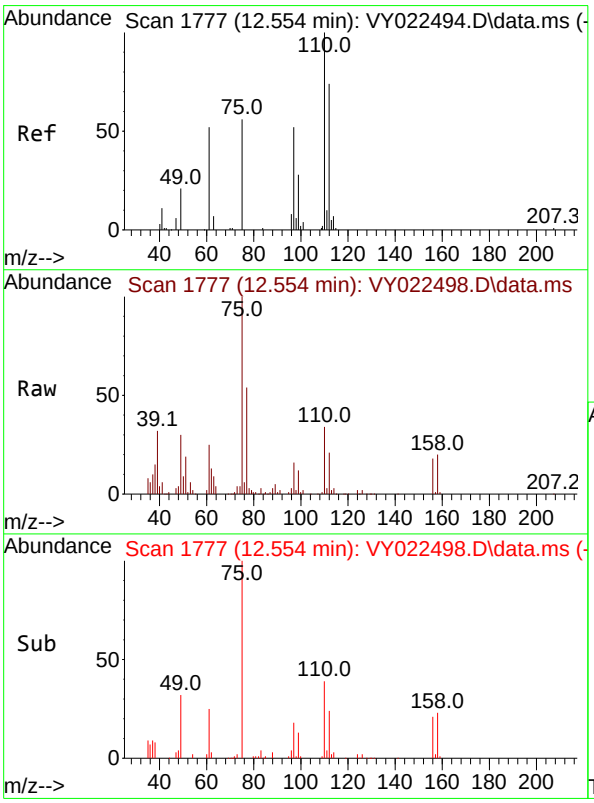
#75
1,1,2,2-Tetrachloroethane
Concen: 44.656 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 83 Resp: 87402

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.6	97.8

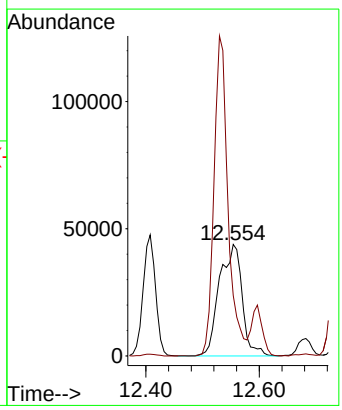


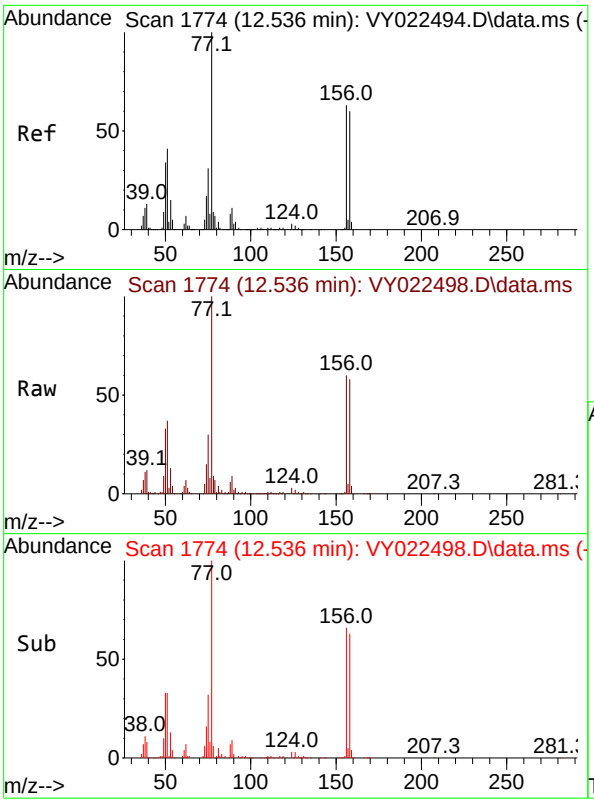


#76
1,2,3-Trichloropropane
Concen: 73.772 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 122591

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



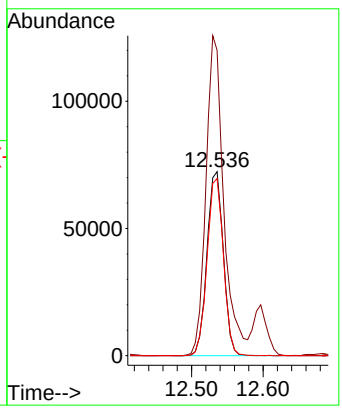


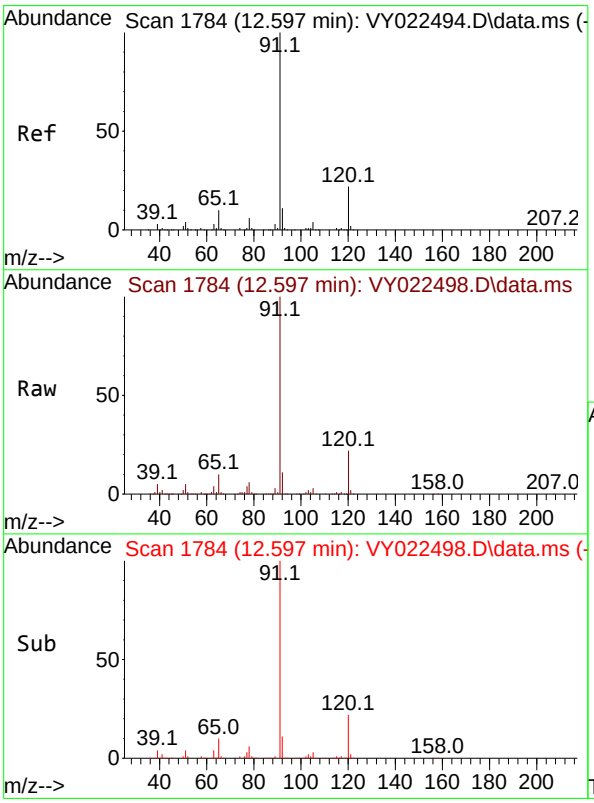
#77
Bromobenzene
Concen: 45.607 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:156 Resp: 114771

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.0	282.1
158	96.4	48.2	144.6

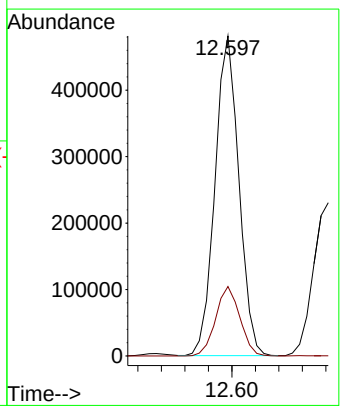


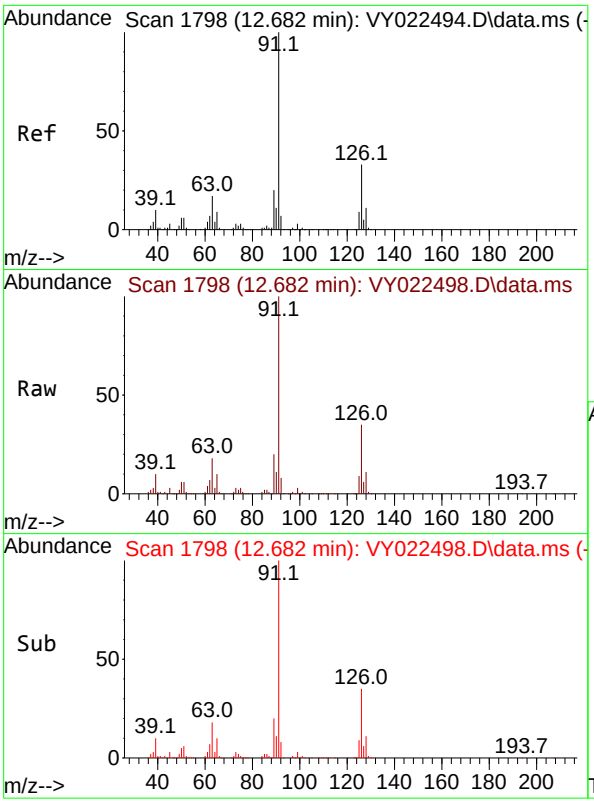


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 680155

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



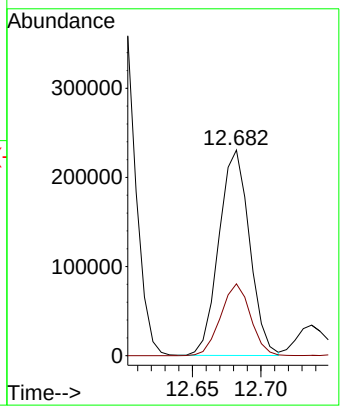


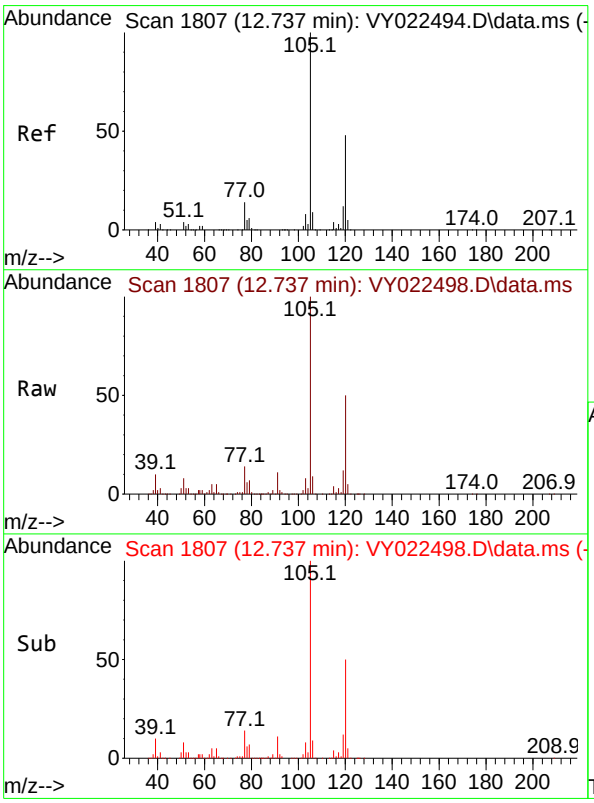
#79
2-Chlorotoluene
Concen: 46.472 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 91 Resp: 358756

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0

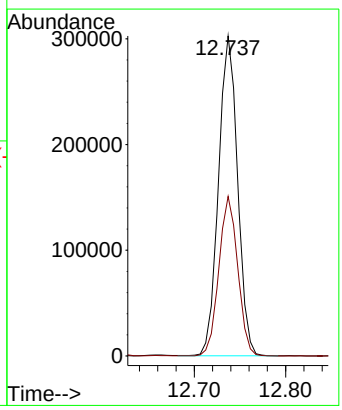


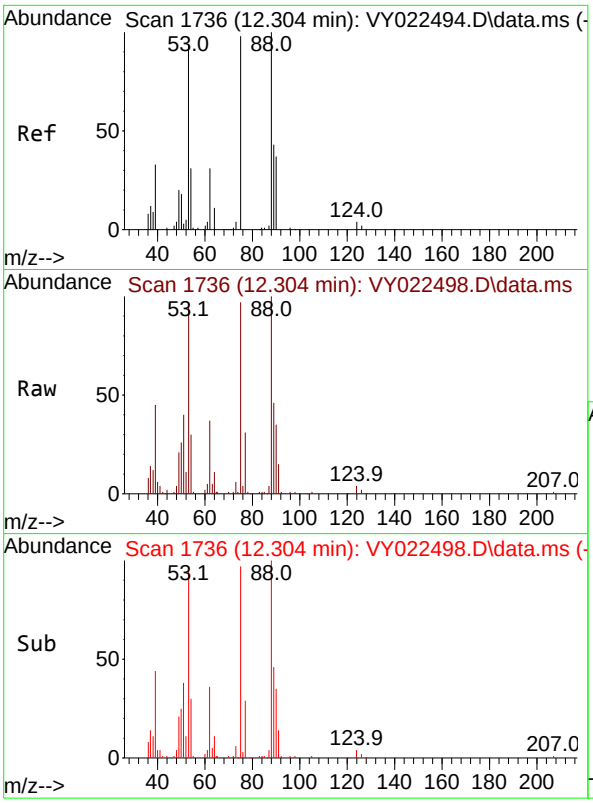


#80
1,3,5-Trimethylbenzene
Concen: 46.876 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 438873

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.1	72.4



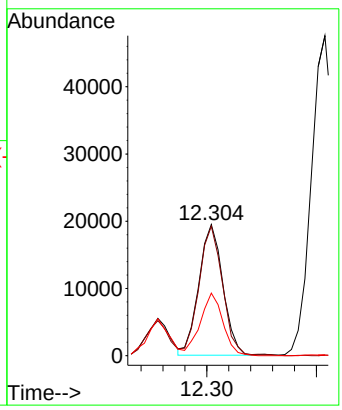


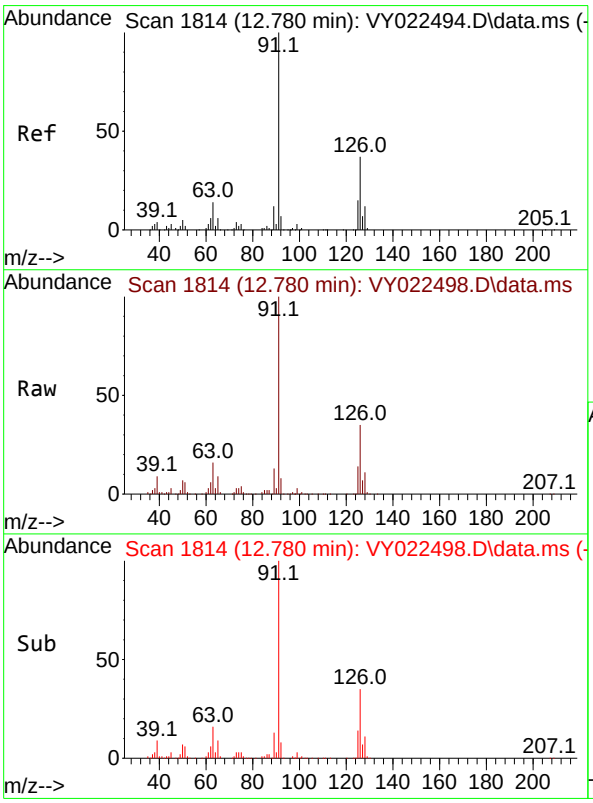
#81
trans-1,4-Dichloro-2-butene
Concen: 42.968 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 75 Resp: 29567

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.5	117.7
89	44.9	35.7	53.5

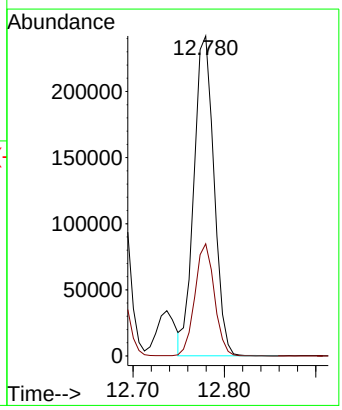


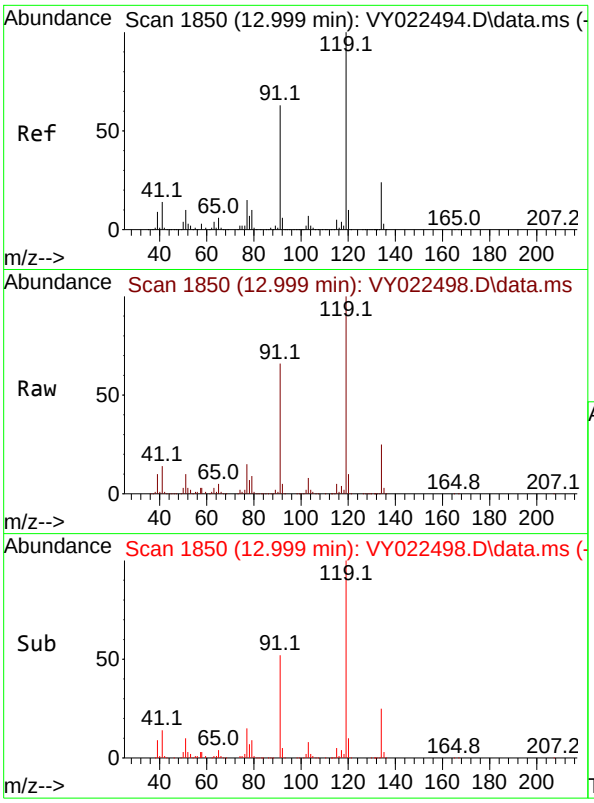


#82
4-Chlorotoluene
Concen: 46.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 368631

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9



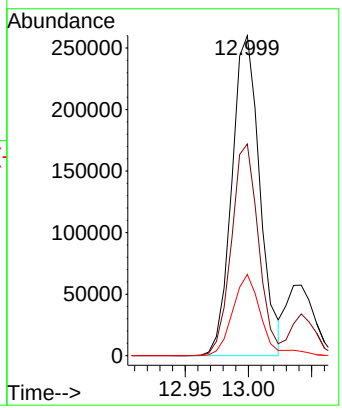


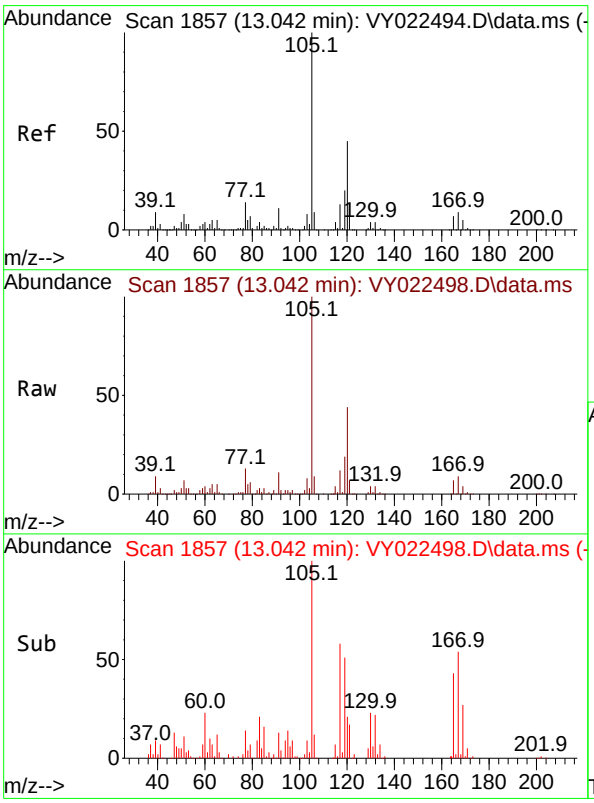
#83
tert-Butylbenzene
Concen: 47.655 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:119 Resp: 400440

Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	25.9	13.0	38.9

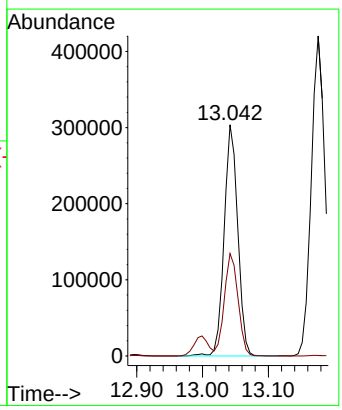


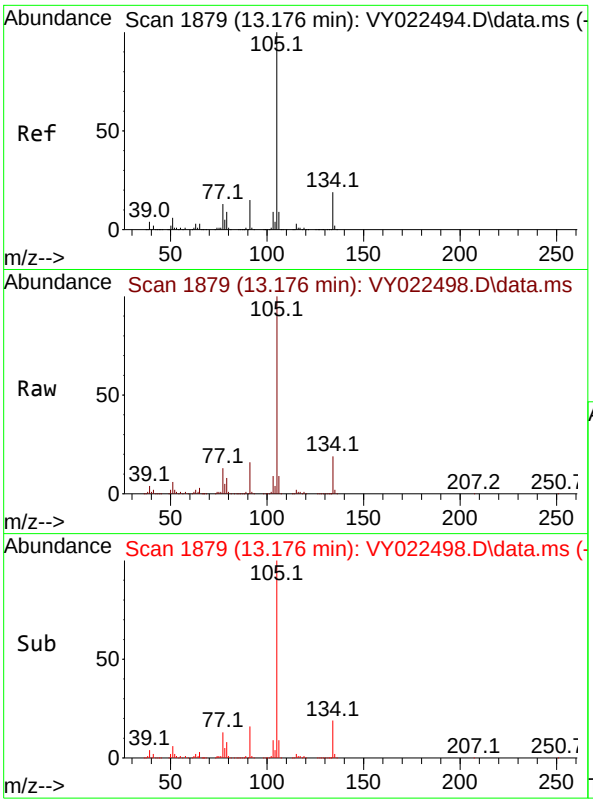


#84
1,2,4-Trimethylbenzene
Concen: 46.735 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 437631

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1



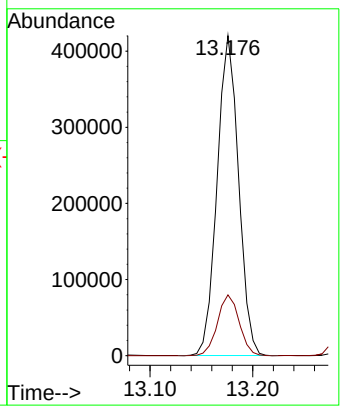


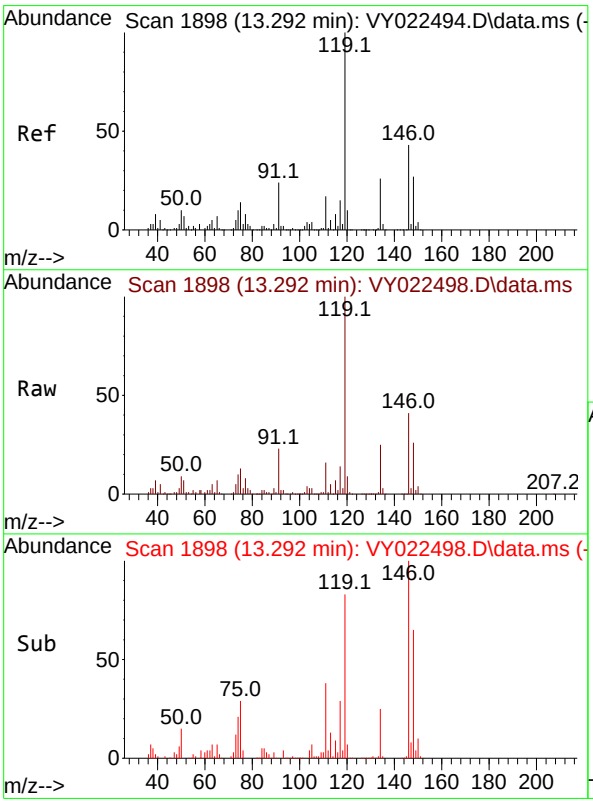
#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:105 Resp: 607968

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

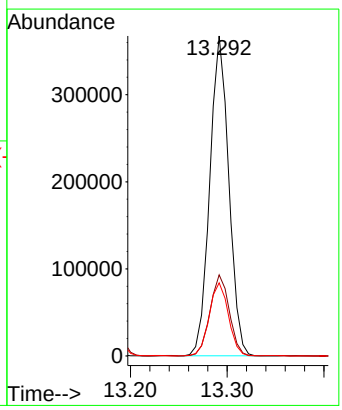


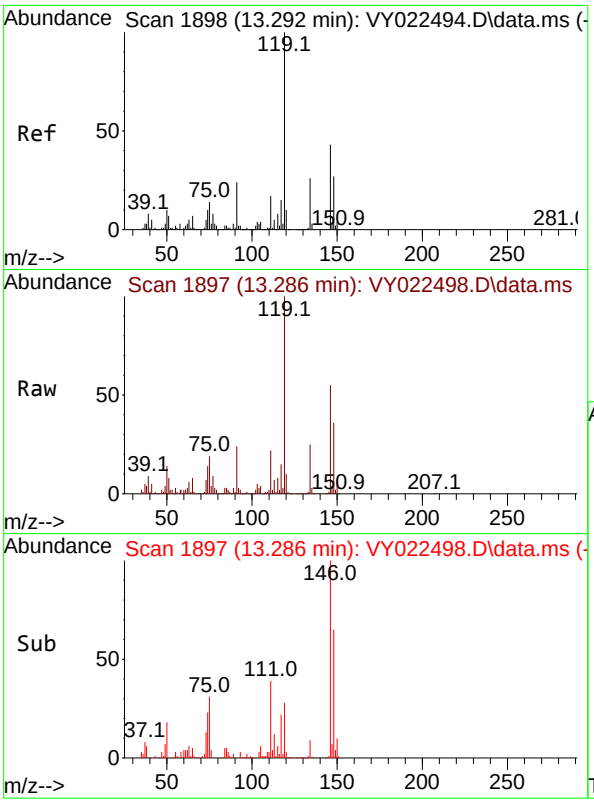


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 501979

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.0	11.6	34.8



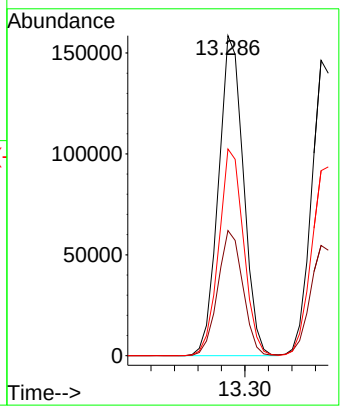


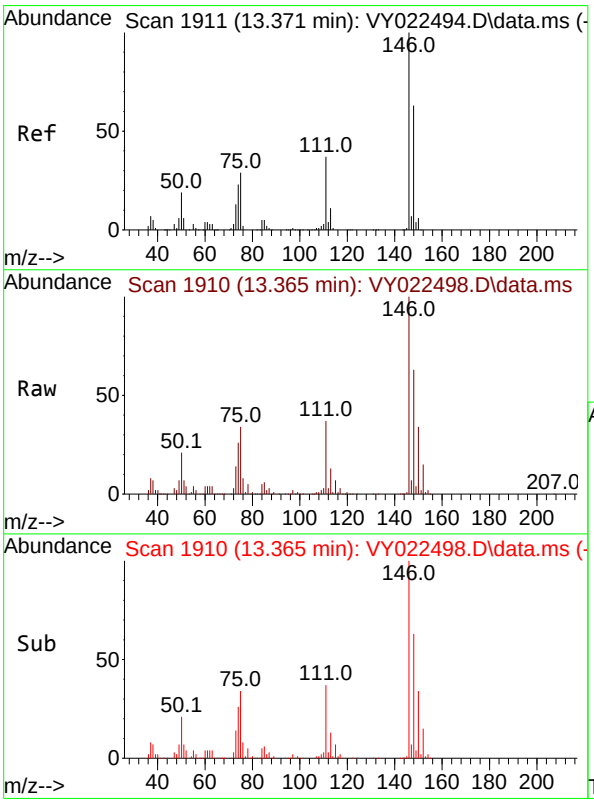
#87
1,3-Dichlorobenzene
Concen: 45.932 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:146 Resp: 234193

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.1	32.1	96.3

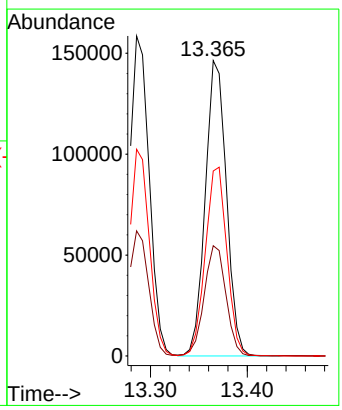


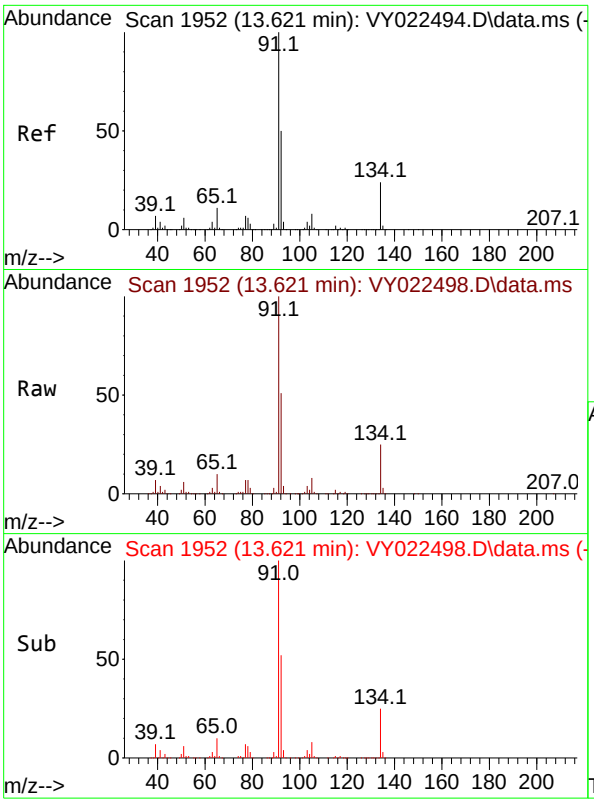


#88
1,4-Dichlorobenzene
Concen: 45.113 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 223096

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	65.3	31.6	94.8



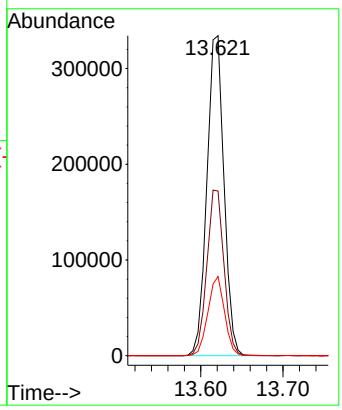


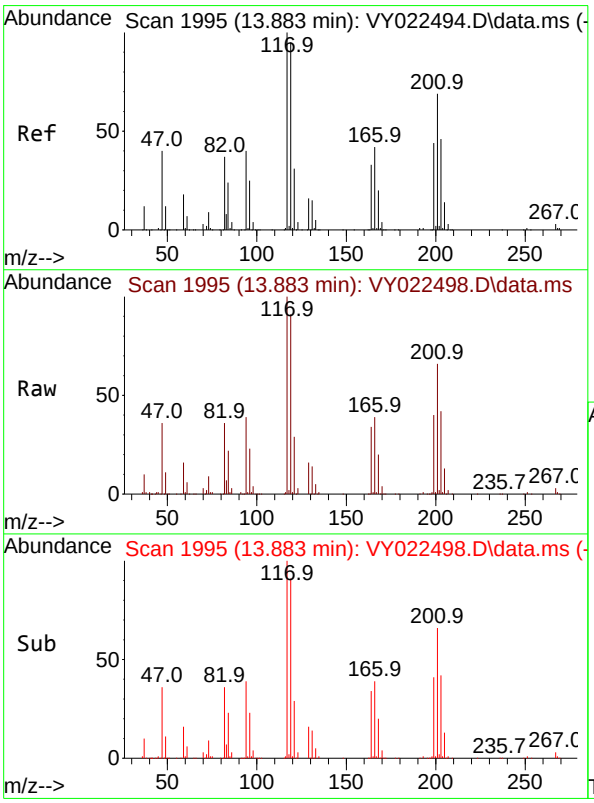
#89
n-Butylbenzene
Concen: 47.968 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 91 Resp: 482774

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

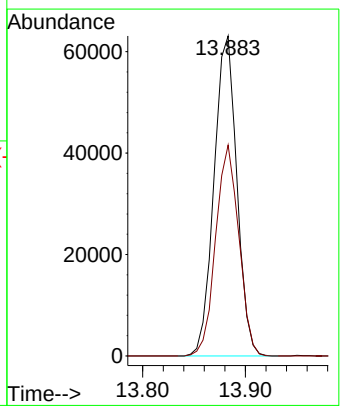


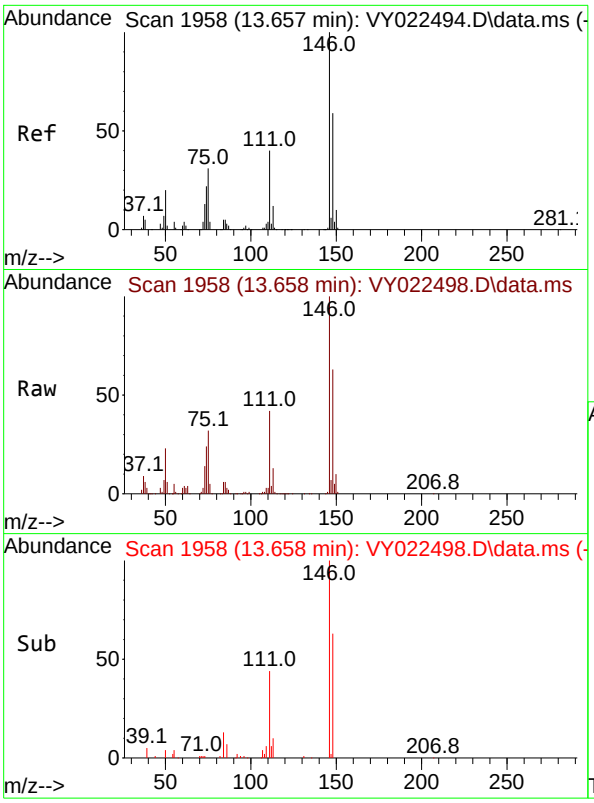


#90
Hexachloroethane
Concen: 47.101 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 97273

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0



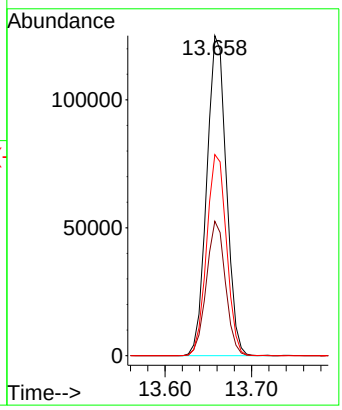


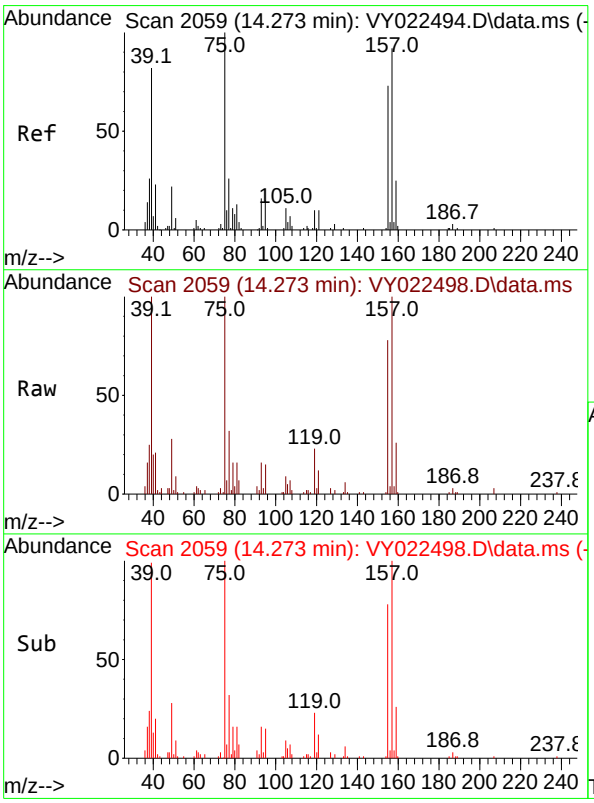
#91
1,2-Dichlorobenzene
Concen: 45.213 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:146 Resp: 195728

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.8	31.4	94.0

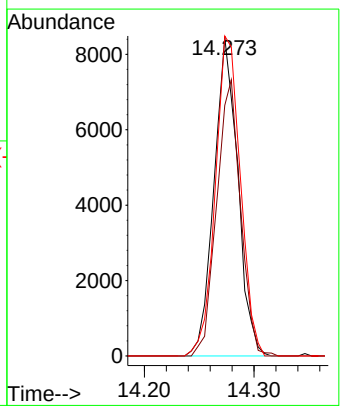


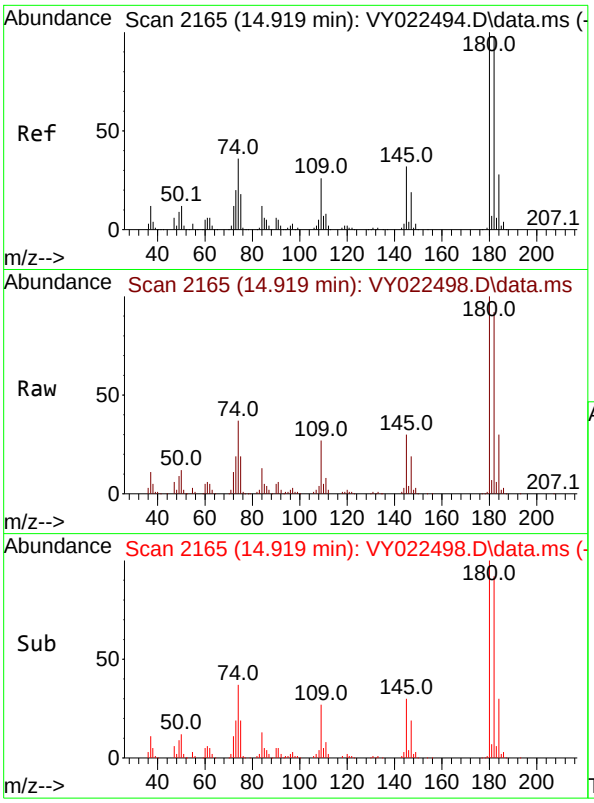


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.665 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 12728

Ion	Ratio	Lower	Upper
75	100		
155	87.1	39.9	119.6
157	105.8	54.0	162.0



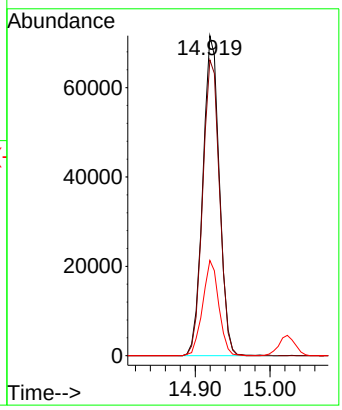


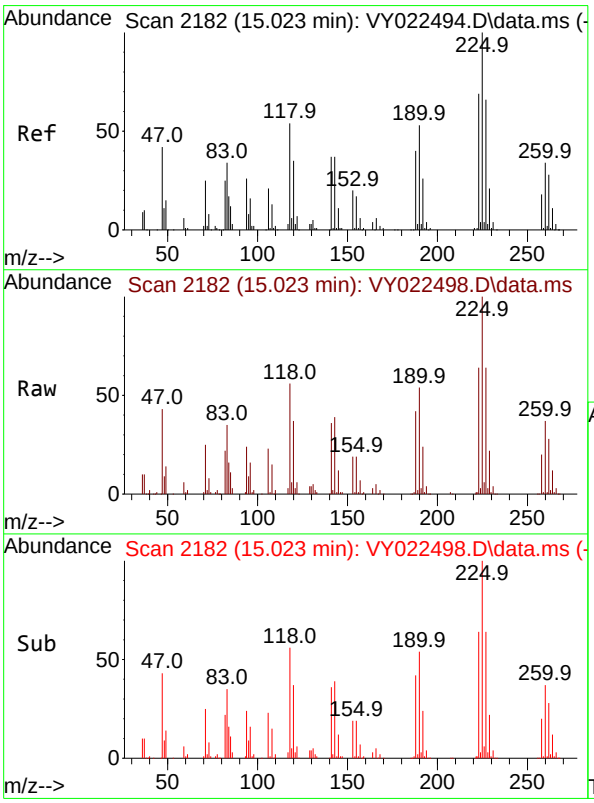
#93
1,2,4-Trichlorobenzene
Concen: 46.481 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:180 Resp: 109742

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.3
145	29.1	15.5	46.5

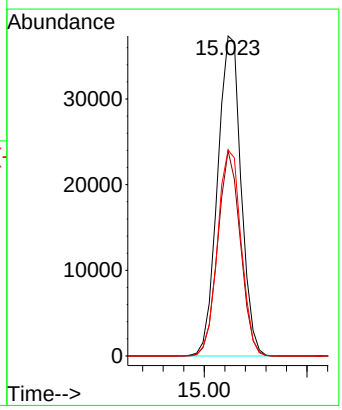


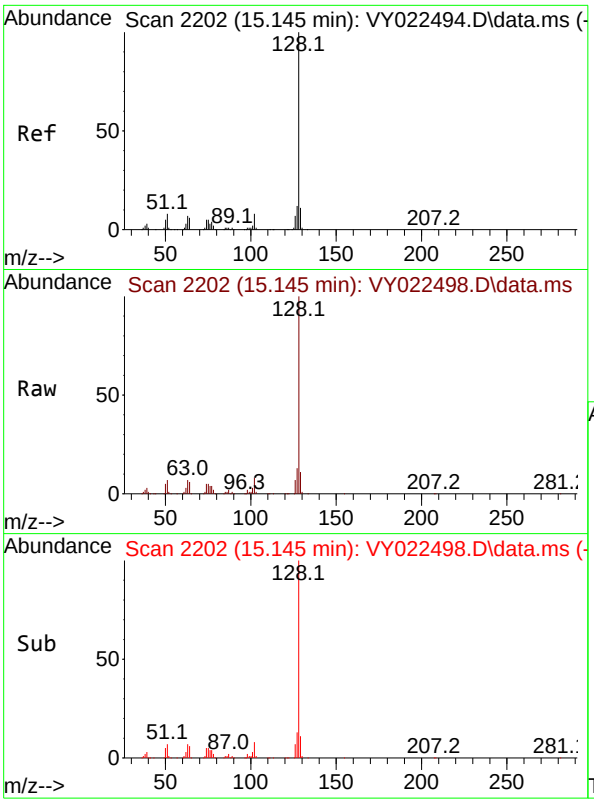


#94
Hexachlorobutadiene
Concen: 45.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:225 Resp: 59236

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.5	97.4
227	64.6	32.3	96.9



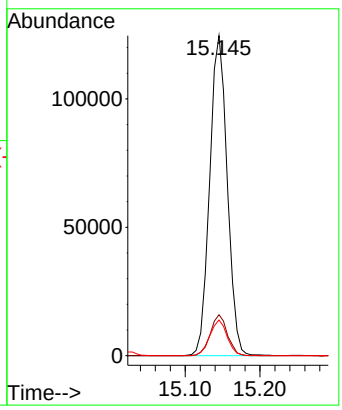


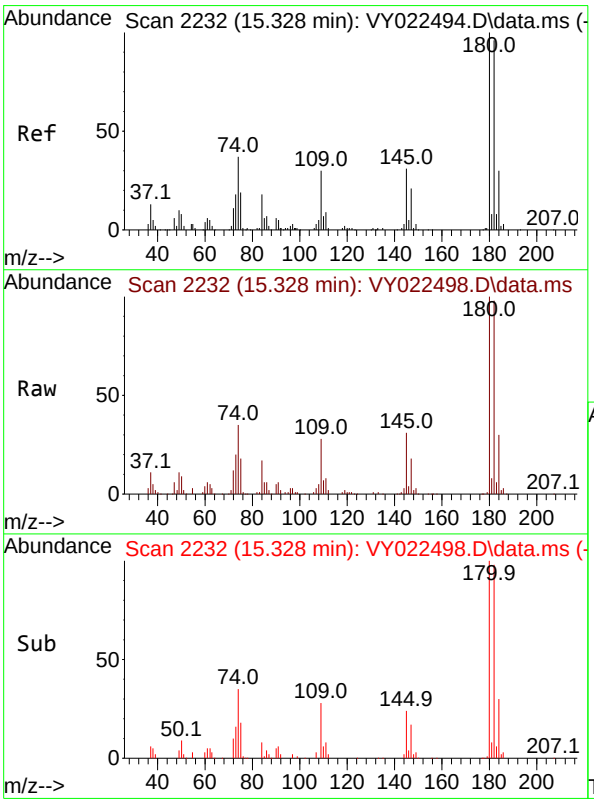
#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:128 Resp: 203925

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.0	8.9	13.3

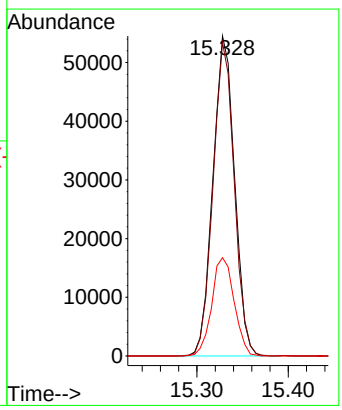




#96
1,2,3-Trichlorobenzene
Concen: 44.331 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 89699

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	31.8	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	157578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	265316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93928	53.295	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.580%			
35) Dibromofluoromethane	7.634	113	86674	54.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.460%			
50) Toluene-d8	10.103	98	351227	54.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.780%			
62) 4-Bromofluorobenzene	12.408	95	102854	53.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	62968	44.633	ug/l	98
3) Chloromethane	2.068	50	216228	51.880	ug/l	98
4) Vinyl Chloride	2.202	62	270265	55.897	ug/l	99
5) Bromomethane	2.592	94	207702	44.819	ug/l	100
6) Chloroethane	2.732	64	176816	53.279	ug/l	95
7) Trichlorofluoromethane	3.049	101	223253	54.391	ug/l	98
8) Diethyl Ether	3.458	74	44893	48.566	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	85998	49.746	ug/l	99
10) Methyl Iodide	4.007	142	94198	50.351	ug/l	99
11) Tert butyl alcohol	4.872	59	29329	232.995	ug/l	100
12) 1,1-Dichloroethene	3.787	96	80437	48.677	ug/l	95
13) Acrolein	3.653	56	18057	115.103	ug/l	98
14) Allyl chloride	4.378	41	121177	46.712	ug/l	98
15) Acrylonitrile	5.061	53	96935	247.609	ug/l	100
16) Acetone	3.879	43	76054	212.487	ug/l	94
17) Carbon Disulfide	4.104	76	250870	47.420	ug/l	99
18) Methyl Acetate	4.391	43	53562	50.535	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	226943	48.760	ug/l	99
20) Methylene Chloride	4.616	84	94990	46.721	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	91576	49.515	ug/l	88
22) Diisopropyl ether	6.018	45	283820	49.152	ug/l	98
23) Vinyl Acetate	5.964	43	813591	238.054	ug/l	98
24) 1,1-Dichloroethane	5.915	63	173175	50.908	ug/l	99
25) 2-Butanone	6.896	43	122054	236.409	ug/l	99
26) 2,2-Dichloropropane	6.890	77	149781	49.833	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	107570	50.321	ug/l	98
28) Bromochloromethane	7.244	49	76022	51.267	ug/l	98
29) Tetrahydrofuran	7.268	42	79406	238.466	ug/l	99
30) Chloroform	7.421	83	175028	51.947	ug/l	96
31) Cyclohexane	7.701	56	149209	44.059	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	153283	51.247	ug/l	99
36) 1,1-Dichloropropene	7.835	75	128210	49.883	ug/l	99
37) Ethyl Acetate	6.982	43	54455	47.510	ug/l	98
38) Carbon Tetrachloride	7.817	117	135428	51.363	ug/l	99
39) Methylcyclohexane	9.109	83	164532	47.635	ug/l	97
40) Benzene	8.079	78	388821	51.219	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	32009	47.810	ug/l		99
42) 1,2-Dichloroethane	8.158	62	106146	51.210	ug/l		98
43) Isopropyl Acetate	8.201	43	117992	47.665	ug/l		100
44) Trichloroethene	8.866	130	97879	52.755	ug/l		98
45) 1,2-Dichloropropane	9.140	63	92401	51.503	ug/l		99
46) Dibromomethane	9.231	93	52912	52.423	ug/l		98
47) Bromodichloromethane	9.420	83	135175	52.817	ug/l		100
48) Methyl methacrylate	9.219	41	54646	47.036	ug/l		93
49) 1,4-Dioxane	9.237	88	11374	951.195	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	306364	248.232	ug/l		99
52) Toluene	10.170	92	247331	51.844	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	124050	51.731	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	142700	51.121	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	65190	50.652	ug/l		95
56) Ethyl methacrylate	10.438	69	92549	49.753	ug/l		98
57) 1,3-Dichloropropane	10.719	76	116284	50.976	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	231530	274.143	ug/l		99
59) 2-Hexanone	10.762	43	200444	242.841	ug/l		100
60) Dibromochloromethane	10.908	129	84902	51.909	ug/l		99
61) 1,2-Dibromoethane	11.011	107	60454	51.536	ug/l		98
64) Tetrachloroethene	10.646	164	113126	57.985	ug/l		96
65) Chlorobenzene	11.438	112	261829	52.170	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	88180	52.156	ug/l		99
67) Ethyl Benzene	11.517	91	479857	51.549	ug/l		99
68) m/p-Xylenes	11.627	106	362462	102.714	ug/l		99
69) o-Xylene	11.956	106	172493	52.136	ug/l		96
70) Styrene	11.969	104	285228	52.154	ug/l		98
71) Bromoform	12.133	173	45337	50.392	ug/l	#	98
73) Isopropylbenzene	12.255	105	449360	51.212	ug/l		99
74) N-amyl acetate	12.072	43	105483	47.644	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	68065	47.263	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	98867	80.860	ug/l	#	100
77) Bromobenzene	12.529	156	92990	50.220	ug/l		98
78) n-propylbenzene	12.597	91	544933	50.847	ug/l		99
79) 2-Chlorotoluene	12.676	91	286949	50.518	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	351549	51.032	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	24542	48.473	ug/l		96
82) 4-Chlorotoluene	12.779	91	293231	50.043	ug/l		99
83) tert-Butylbenzene	12.999	119	314442	50.858	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	348078	50.520	ug/l		99
85) sec-Butylbenzene	13.176	105	479100	50.596	ug/l		100
86) p-Isopropyltoluene	13.292	119	400127	51.264	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	192662	51.355	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	181764	49.953	ug/l		100
89) n-Butylbenzene	13.615	91	375701	50.734	ug/l		100
90) Hexachloroethane	13.877	117	78797	51.856	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	165313	51.900	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10373	49.472	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	86435	49.755	ug/l		99
94) Hexachlorobutadiene	15.023	225	48899	50.999	ug/l		98
95) Naphthalene	15.145	128	162310	48.688	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	73426	49.319	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

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

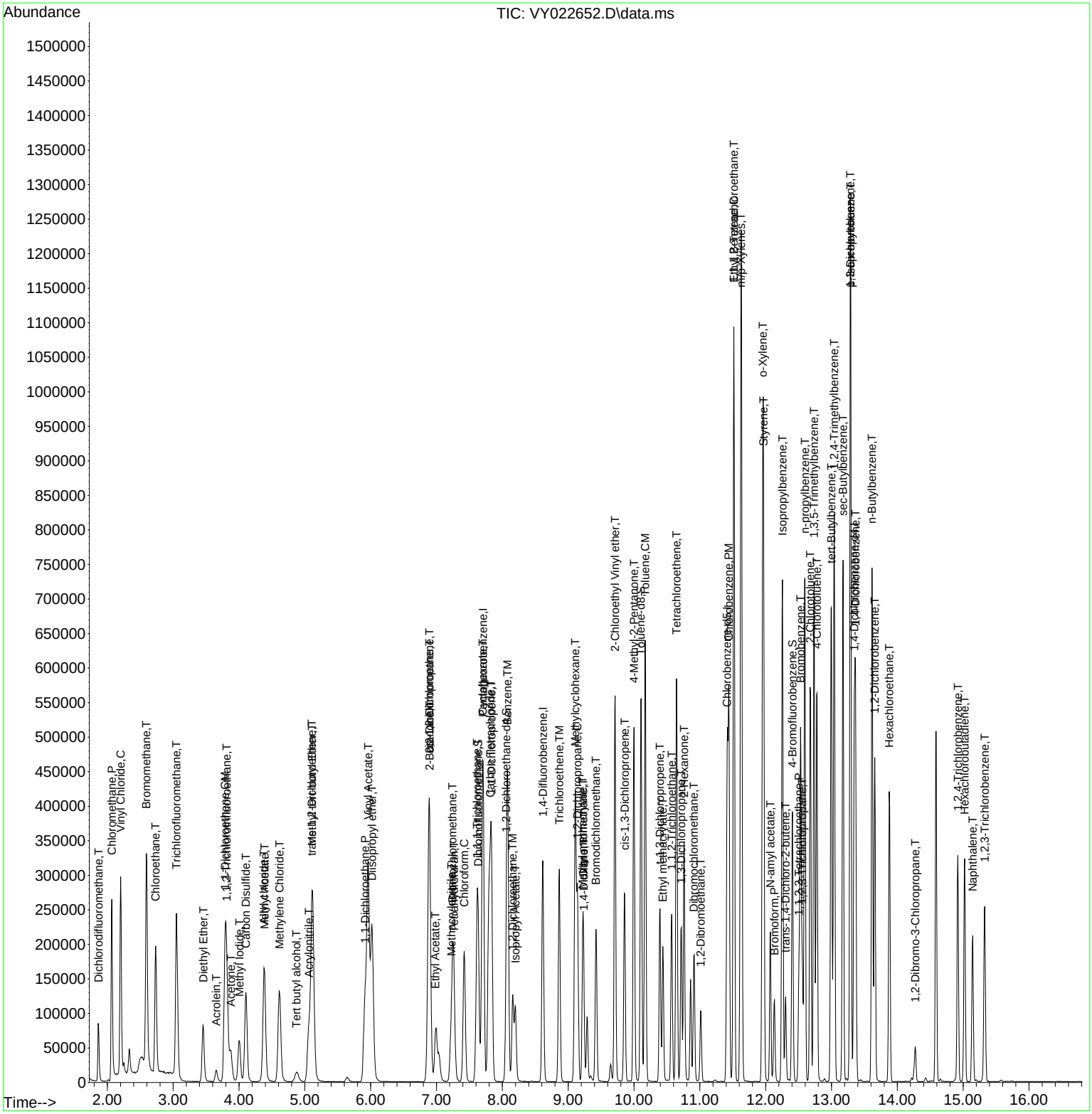
(#) = qualifier out of range (m) = manual integration (+) = signals summed

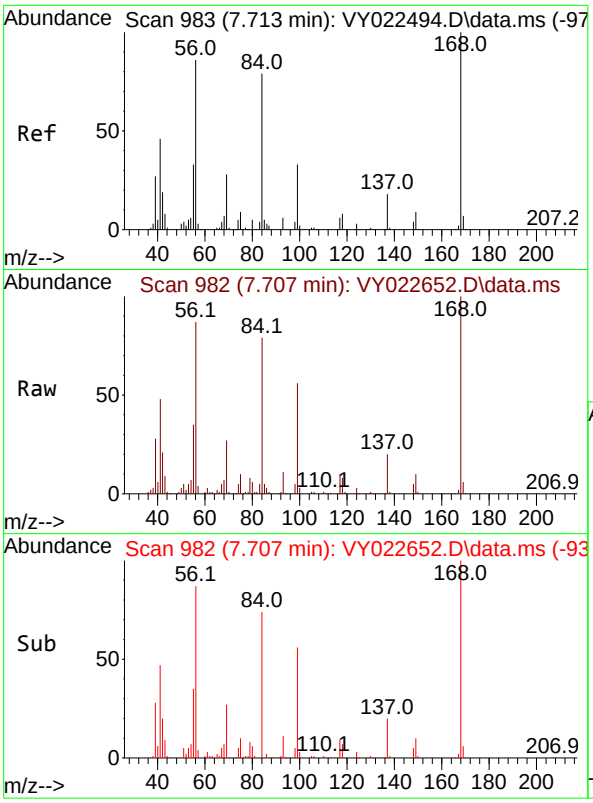
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022652.D
Acq On : 11 Jun 2025 09:59
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: Jun 12 05:02:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



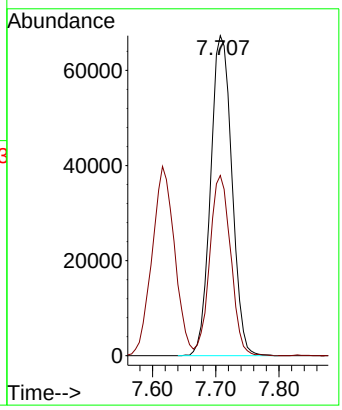


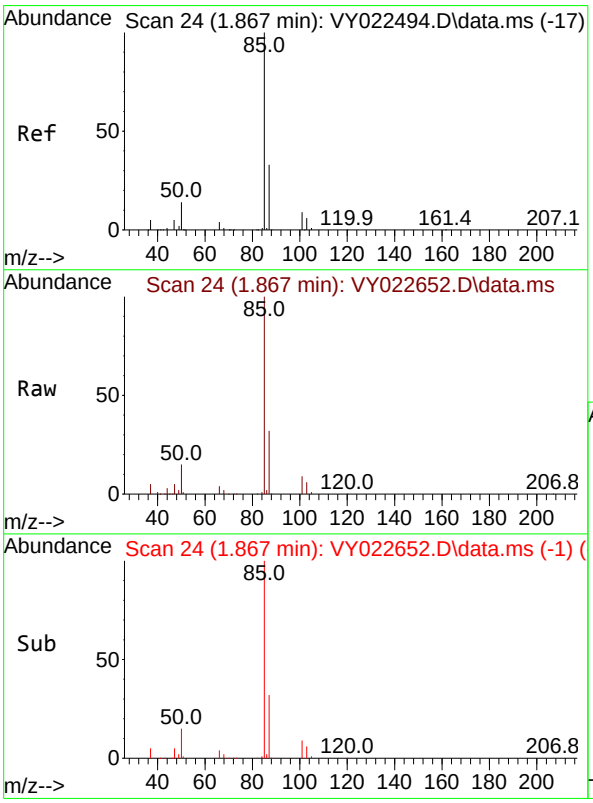
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 157578

Ion	Ratio	Lower	Upper
168	100		
99	56.3	44.3	66.5

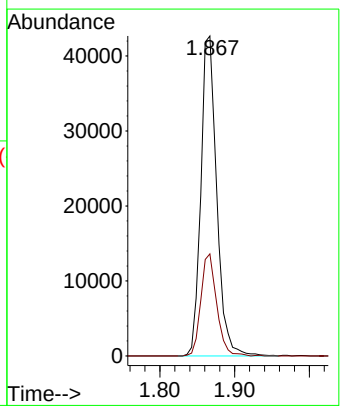


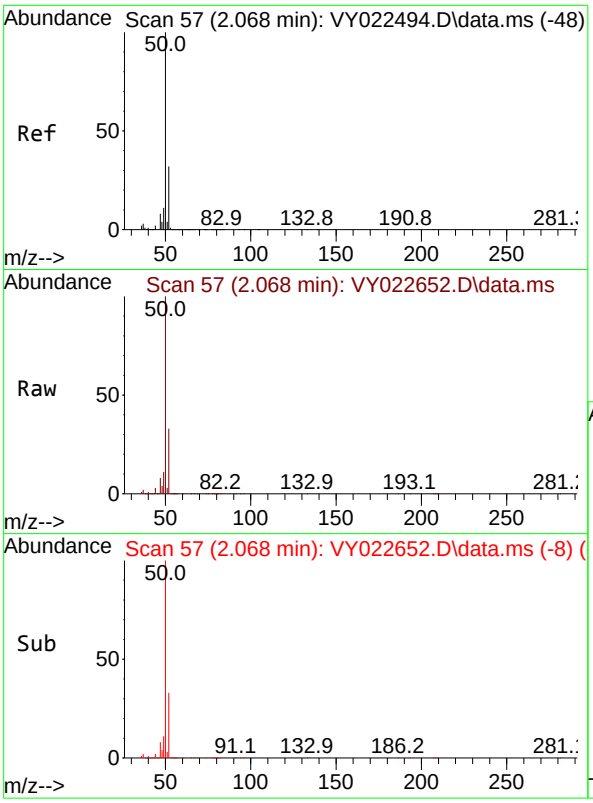


#2
Dichlorodifluoromethane
Concen: 44.633 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 85 Resp: 62968

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.7	50.0



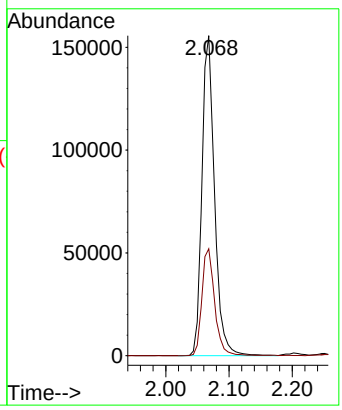


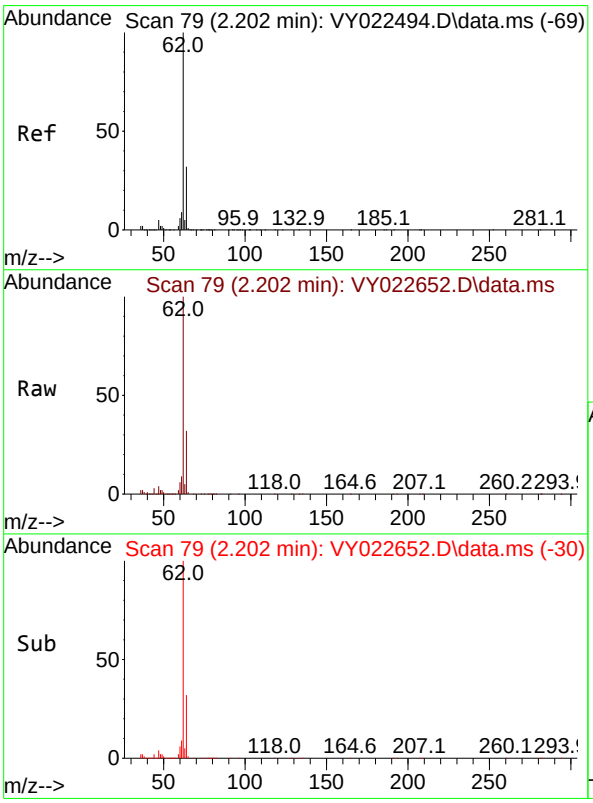
#3
Chloromethane
Concen: 51.880 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 216228

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0

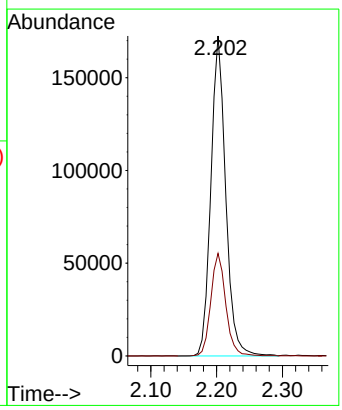


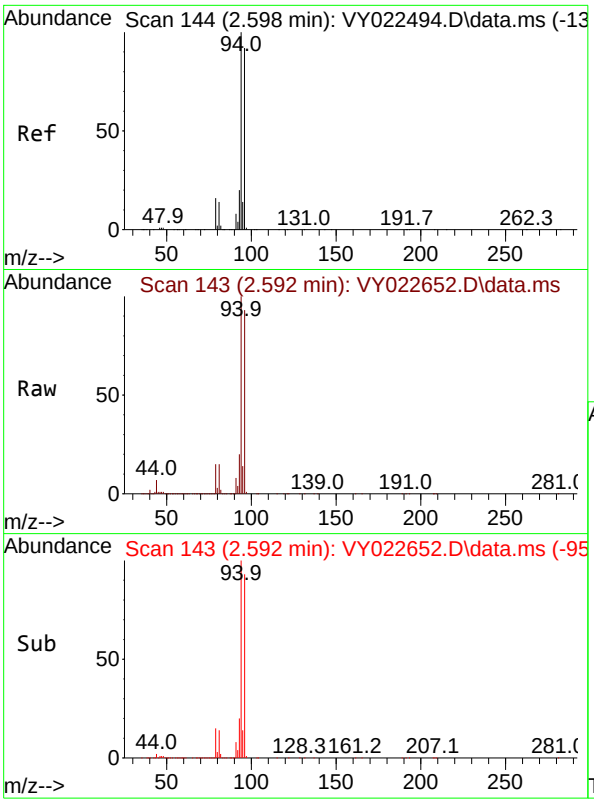


#4
Vinyl Chloride
Concen: 55.897 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 62 Resp: 270265

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9



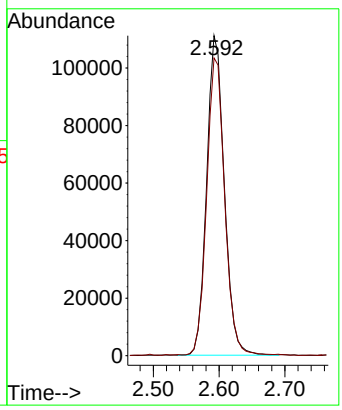


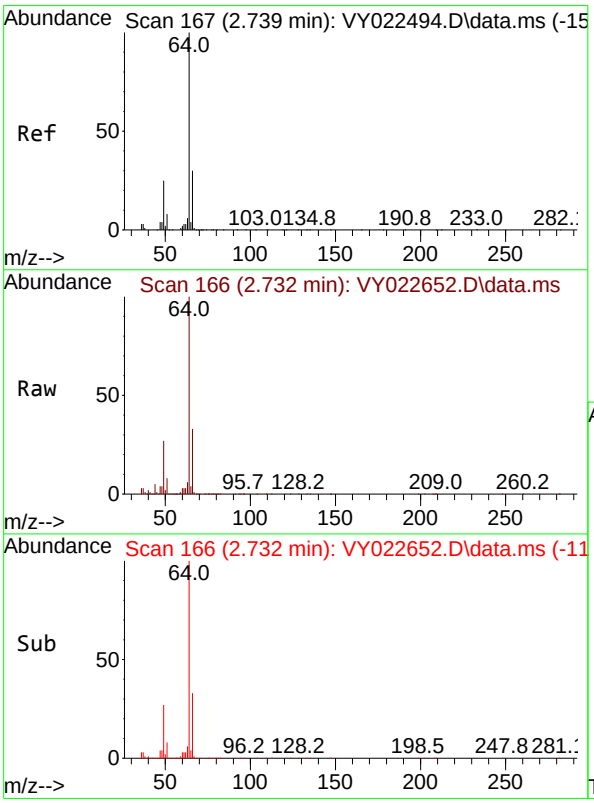
#5
Bromomethane
Concen: 44.819 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 207702

Ion	Ratio	Lower	Upper
94	100		
96	92.8	74.0	111.0

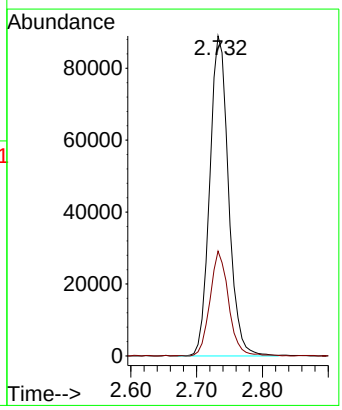


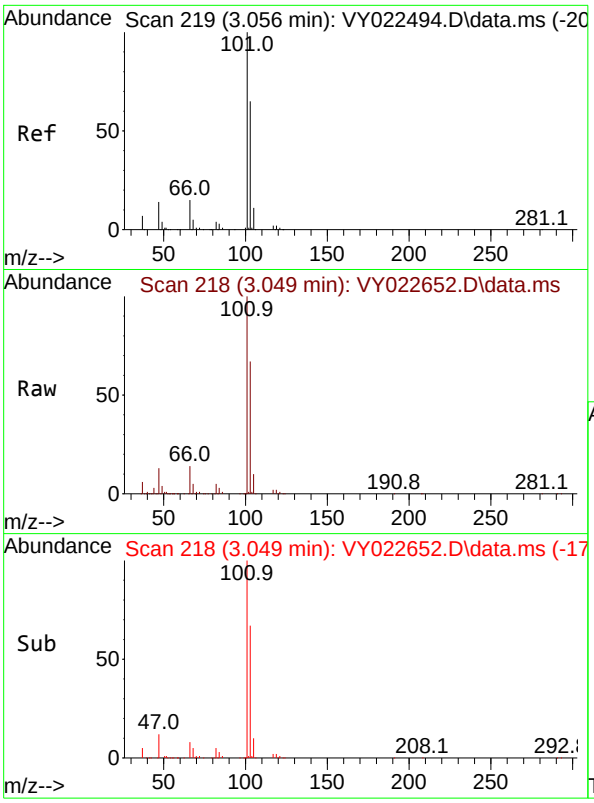


#6
Chloroethane
Concen: 53.279 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 64 Resp: 176816

Ion	Ratio	Lower	Upper
64	100		
66	32.6	23.8	35.6



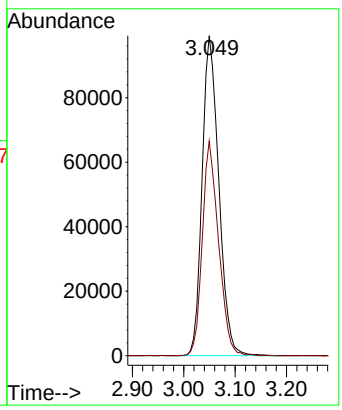


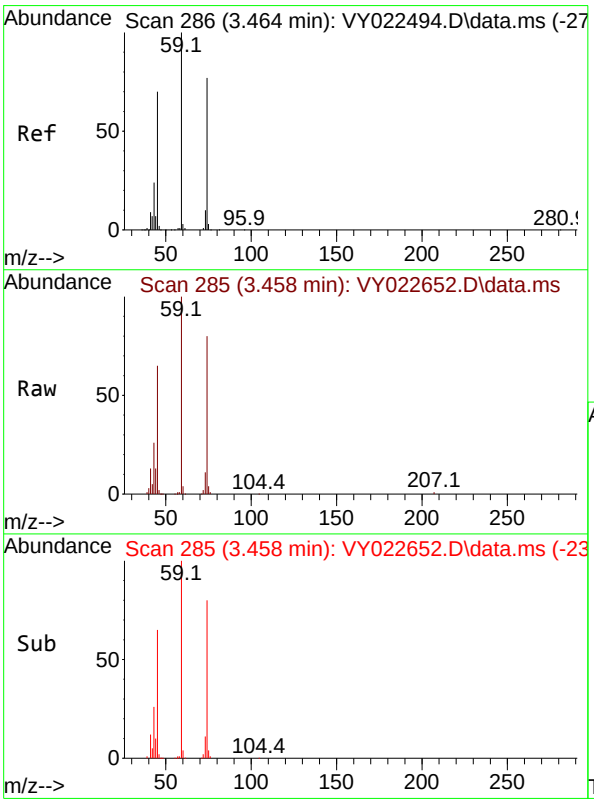
#7
Trichlorofluoromethane
Concen: 54.391 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 223253

Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.2	78.2

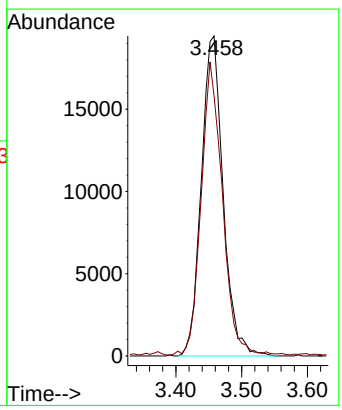


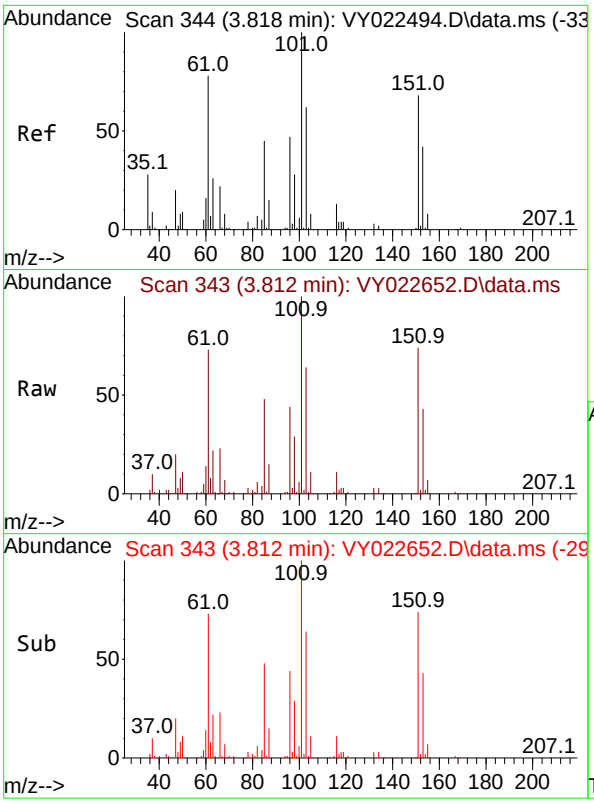


#8
Diethyl Ether
Concen: 48.566 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 74 Resp: 44893

Ion	Ratio	Lower	Upper
74	100		
45	88.5	45.9	137.6



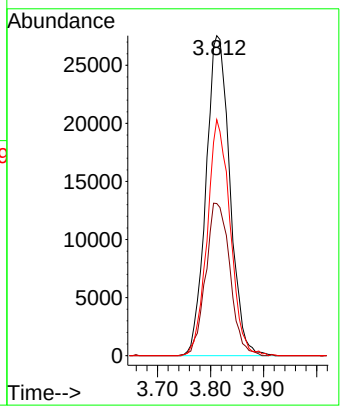


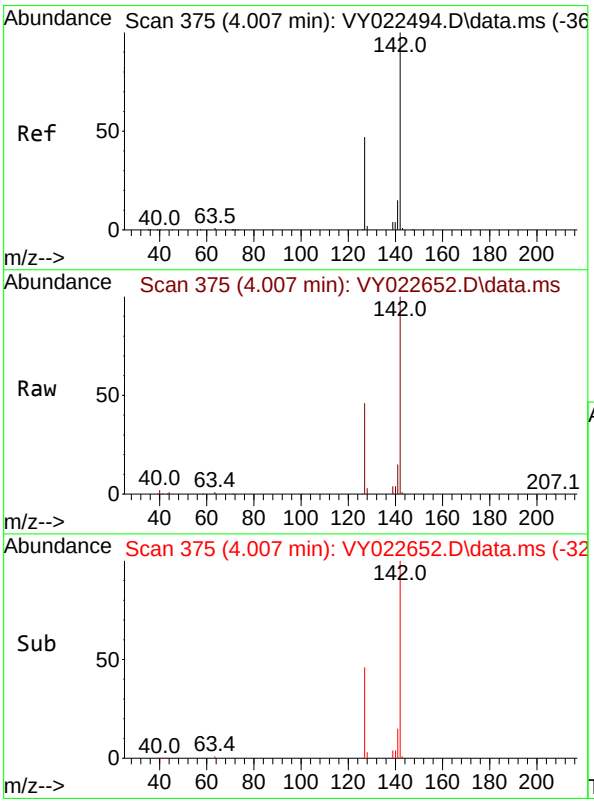
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.746 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 85998

Ion	Ratio	Lower	Upper
101	100		
85	48.5	39.3	58.9
151	71.0	57.8	86.8

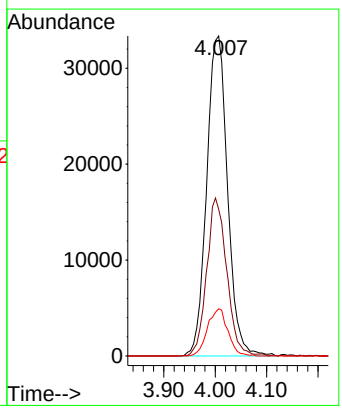


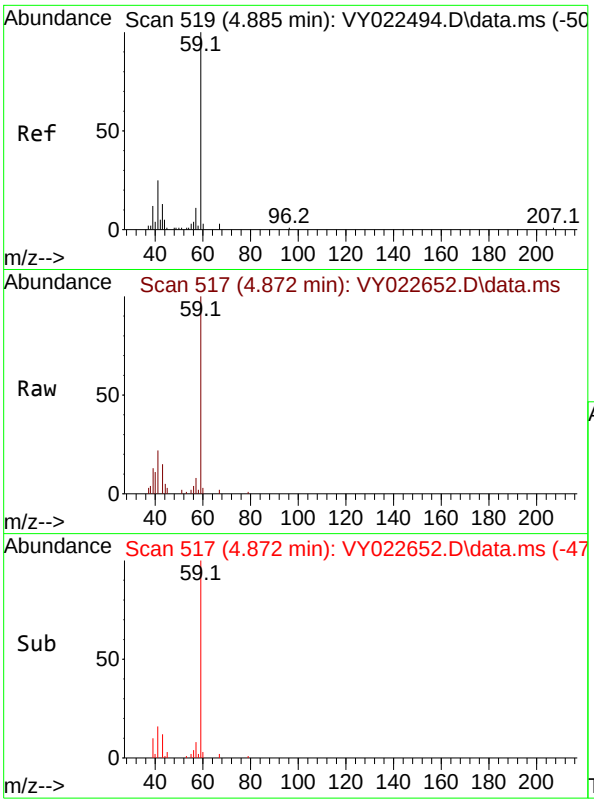


#10
Methyl Iodide
Concen: 50.351 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:142 Resp: 94198

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.4	11.4	17.2



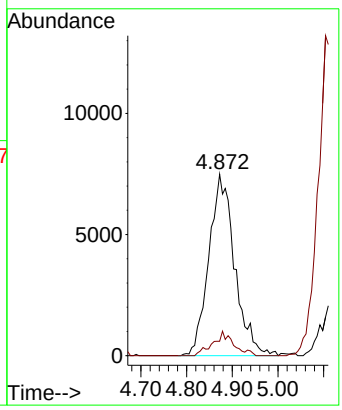


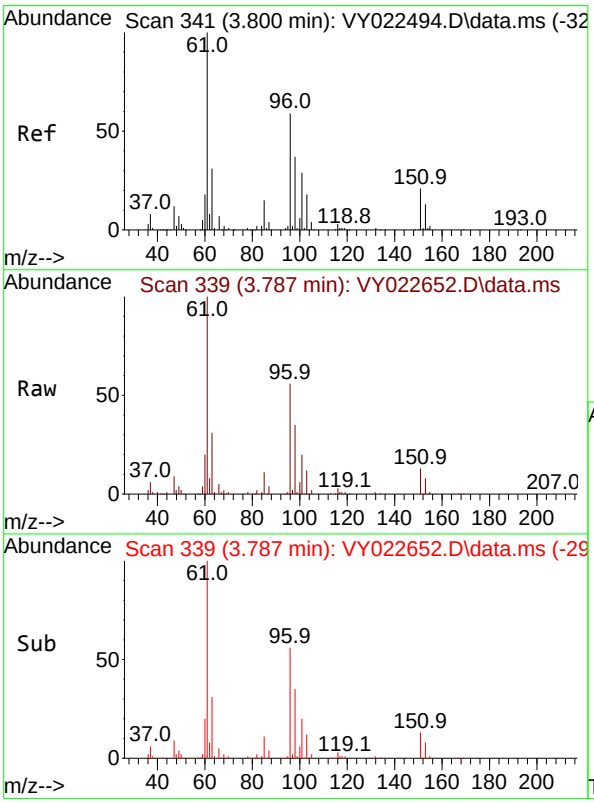
#11
Tert butyl alcohol
Concen: 232.995 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 29329

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

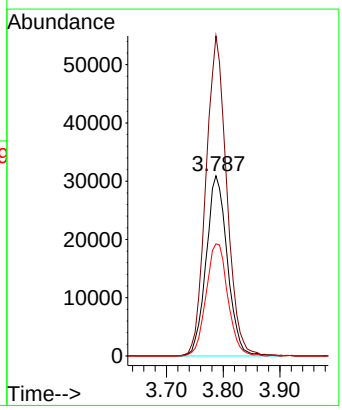


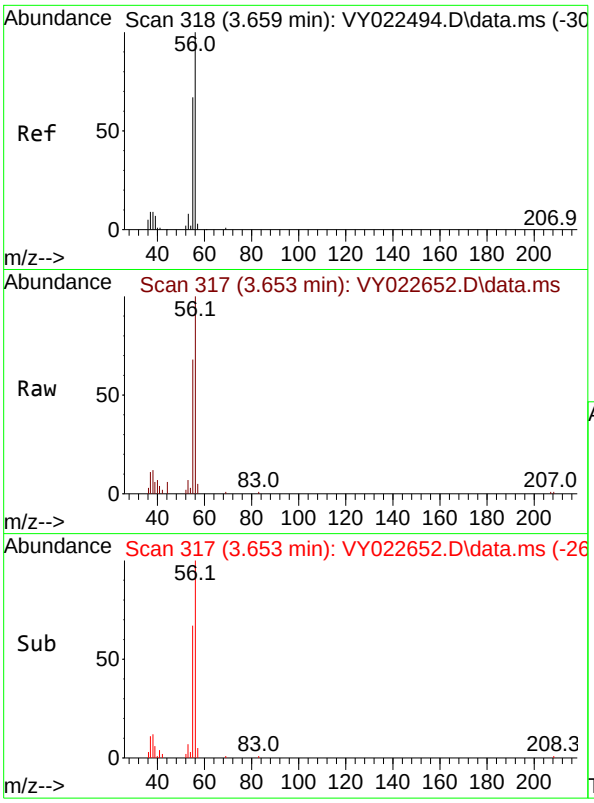


#12
1,1-Dichloroethene
Concen: 48.677 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 96 Resp: 80437

Ion	Ratio	Lower	Upper
96	100		
61	177.4	134.6	201.8
98	62.2	50.2	75.4



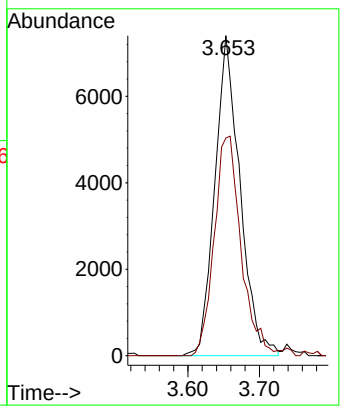


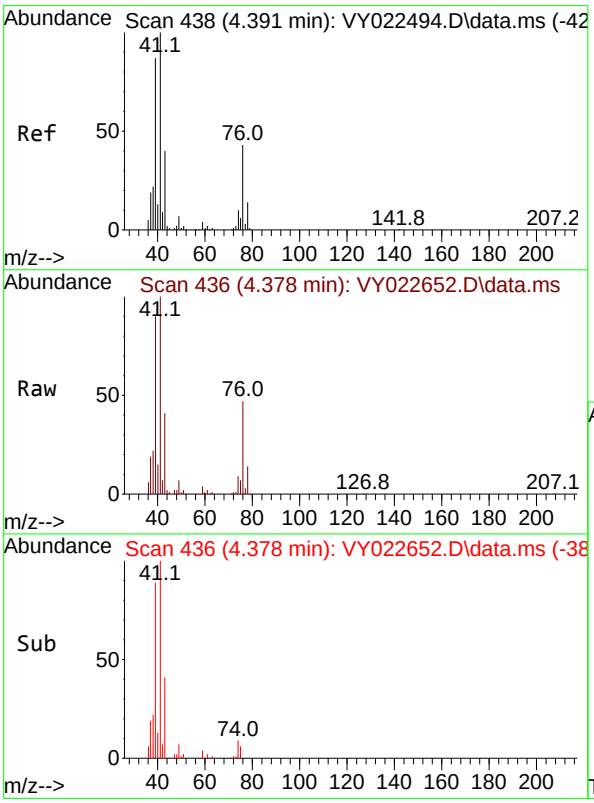
#13
Acrolein
Concen: 115.103 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 18057

Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.0	85.6

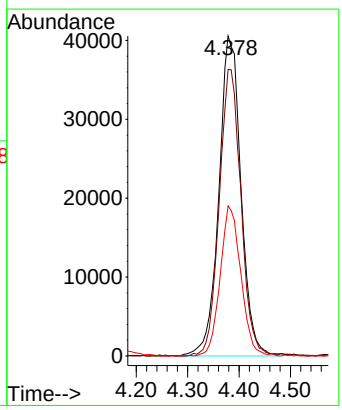


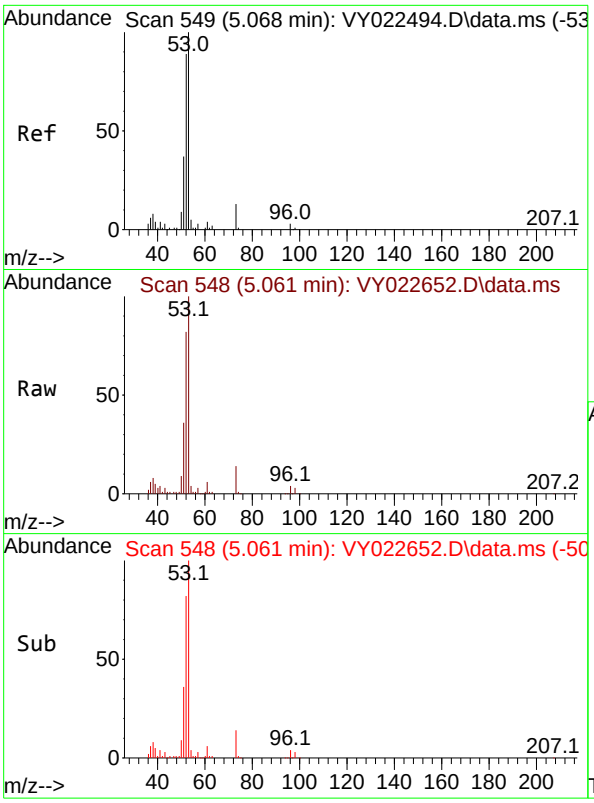


#14
Allyl chloride
Concen: 46.712 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 41 Resp: 121177

Ion	Ratio	Lower	Upper
41	100		
39	87.9	69.1	103.7
76	43.9	33.5	50.3



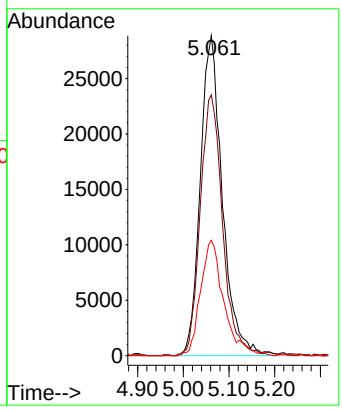


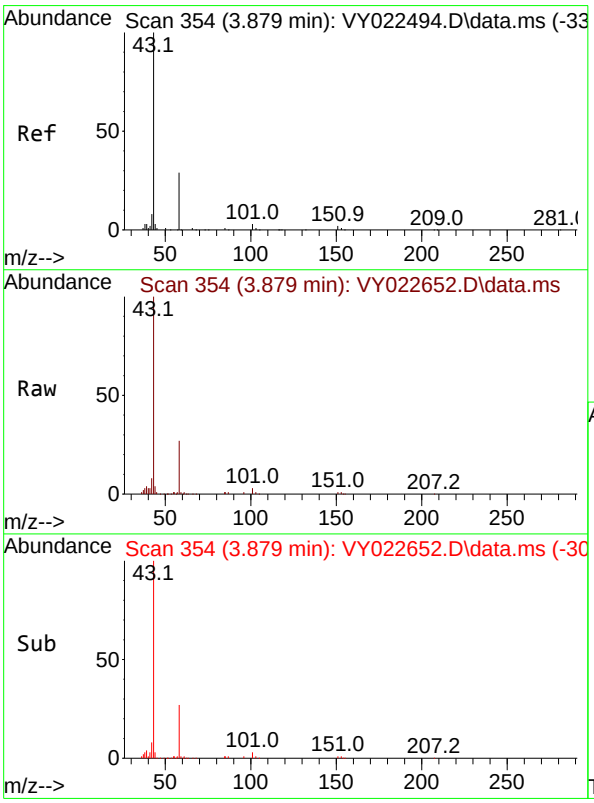
#15
Acrylonitrile
Concen: 247.609 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 96935

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	38.0	30.1	45.1

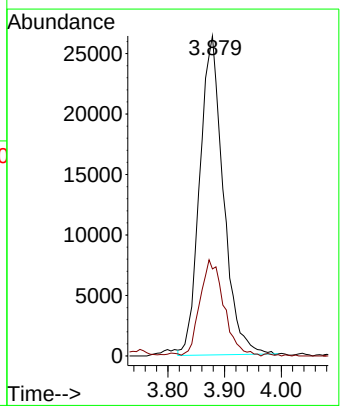


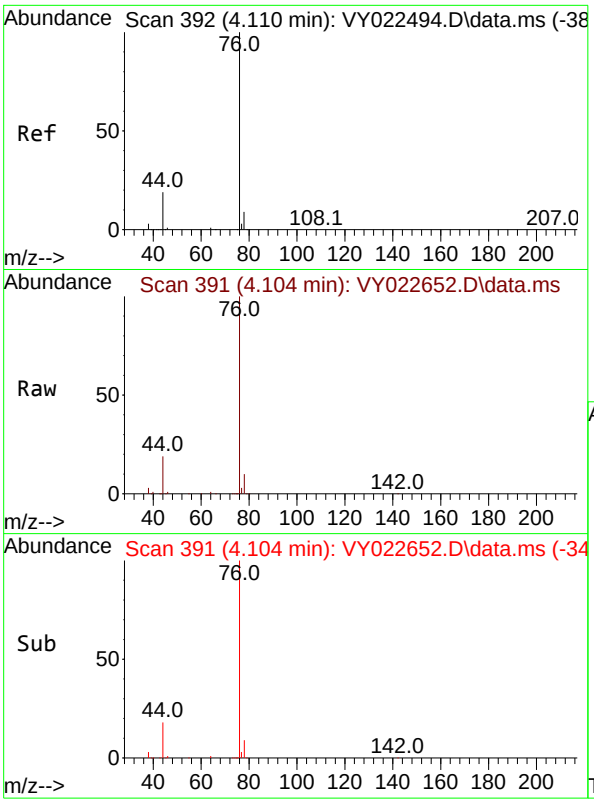


#16
Acetone
Concen: 212.487 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 76054

Ion	Ratio	Lower	Upper
43	100		
58	27.0	24.0	36.0



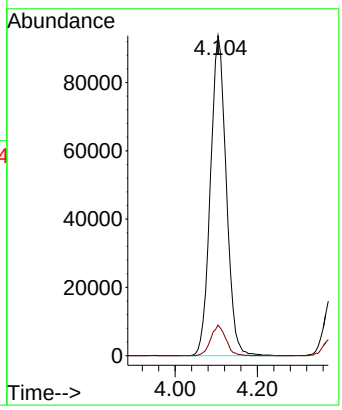


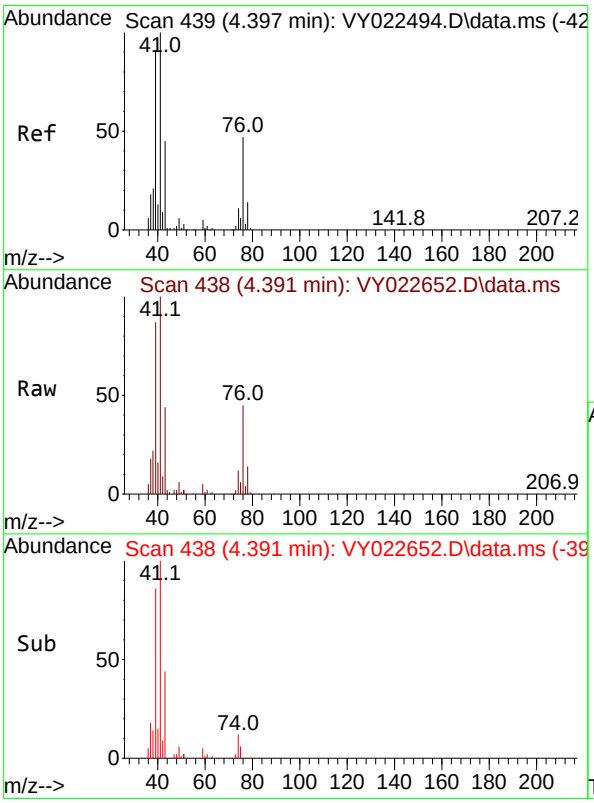
#17
Carbon Disulfide
Concen: 47.420 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 250870

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

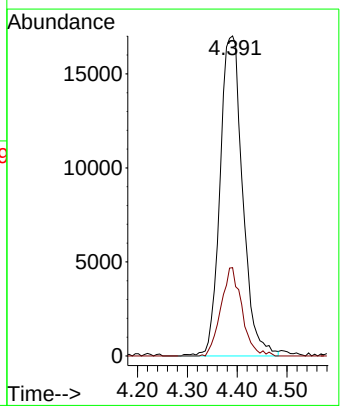


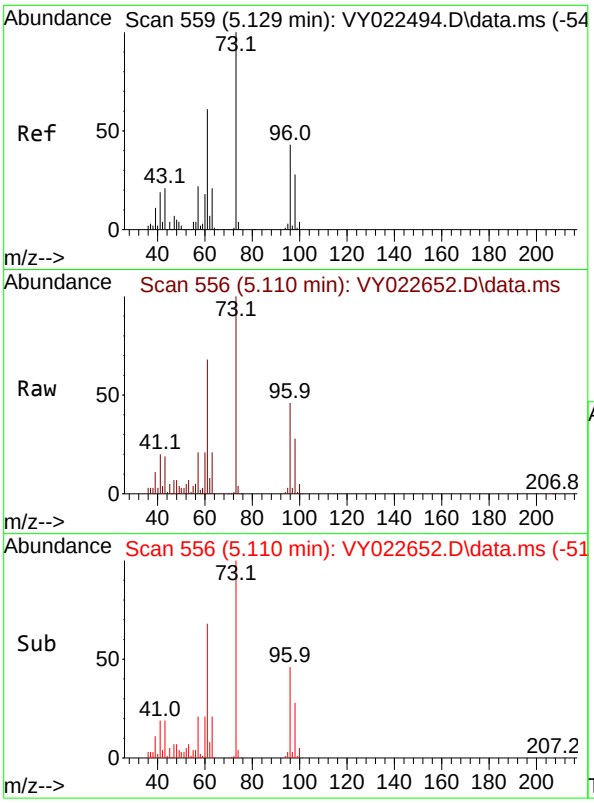


#18
Methyl Acetate
Concen: 50.535 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 53562

Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.8	29.6



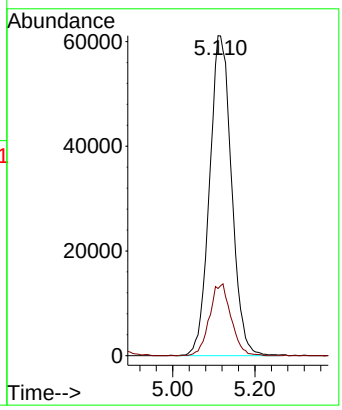


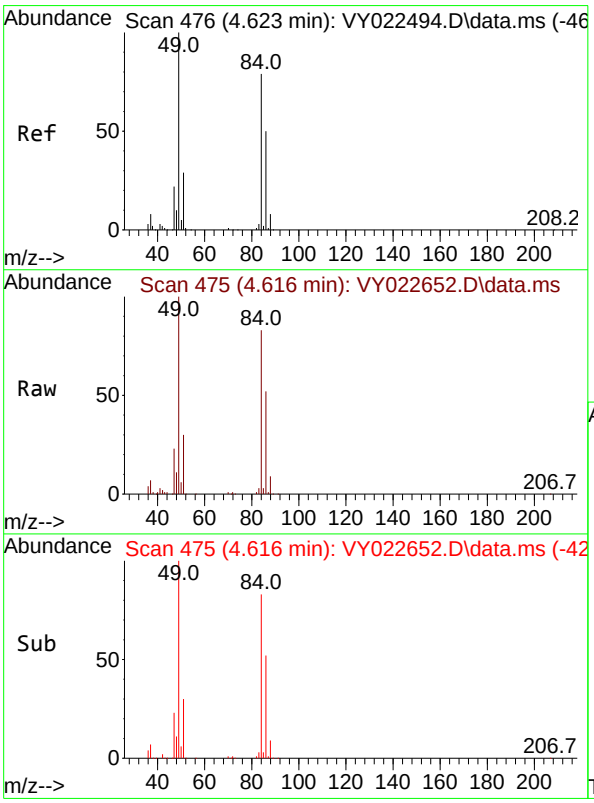
#19
Methyl tert-butyl Ether
Concen: 48.760 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 226943

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.0

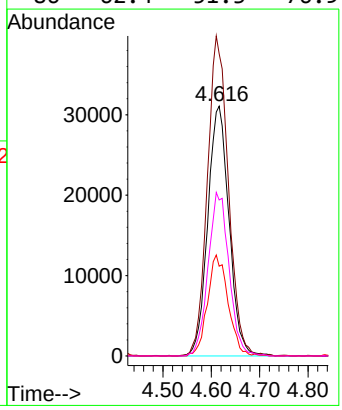


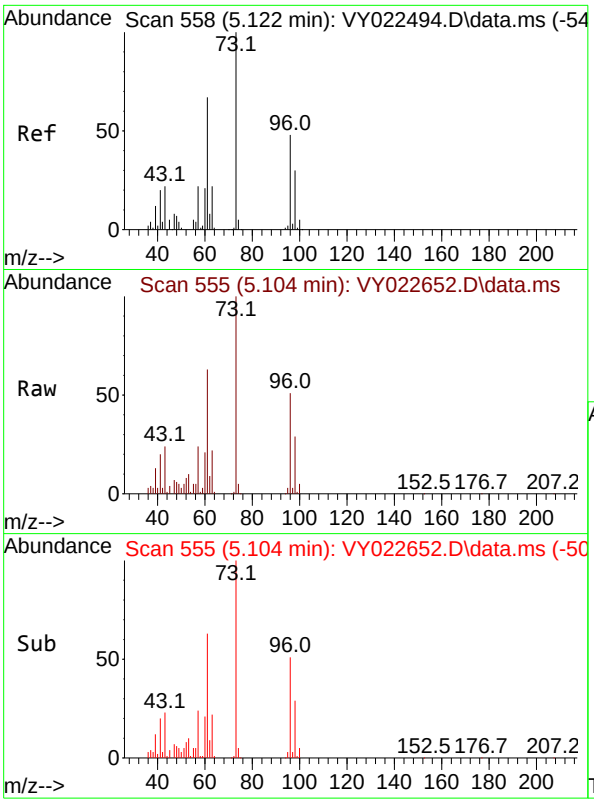


#20
Methylene Chloride
Concen: 46.721 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 84 Resp: 94990

Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.9	152.9
51	35.9	29.8	44.8
86	62.4	51.3	76.9



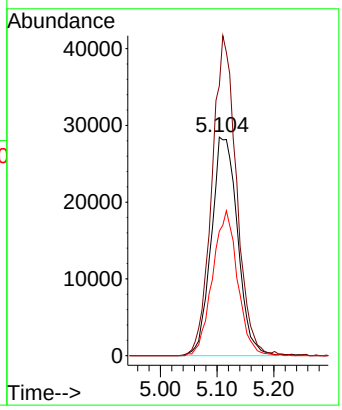


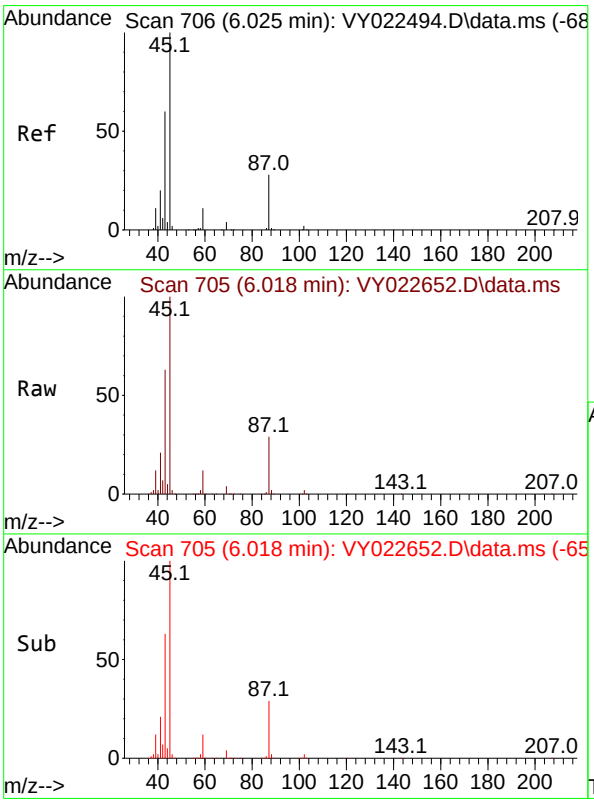
#21
trans-1,2-Dichloroethene
Concen: 49.515 ug/l
RT: 5.104 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 91576

Ion	Ratio	Lower	Upper
96	100		
61	123.5	112.6	169.0
98	57.0	50.6	75.8

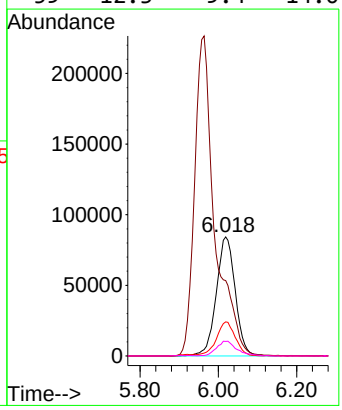


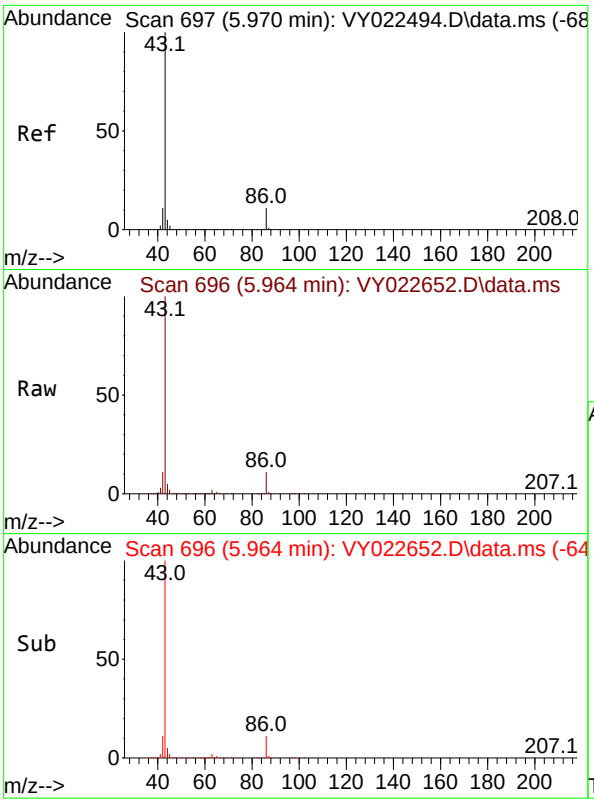


#22
Diisopropyl ether
Concen: 49.152 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 45 Resp: 283820

Ion	Ratio	Lower	Upper
45	100		
43	62.8	48.3	72.5
87	28.5	23.0	34.6
59	12.3	9.4	14.0



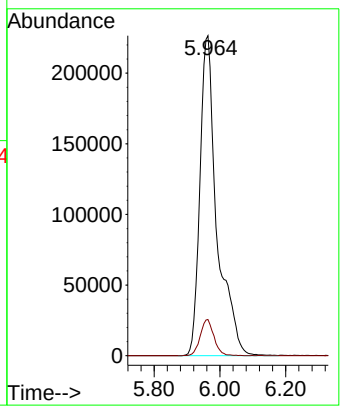


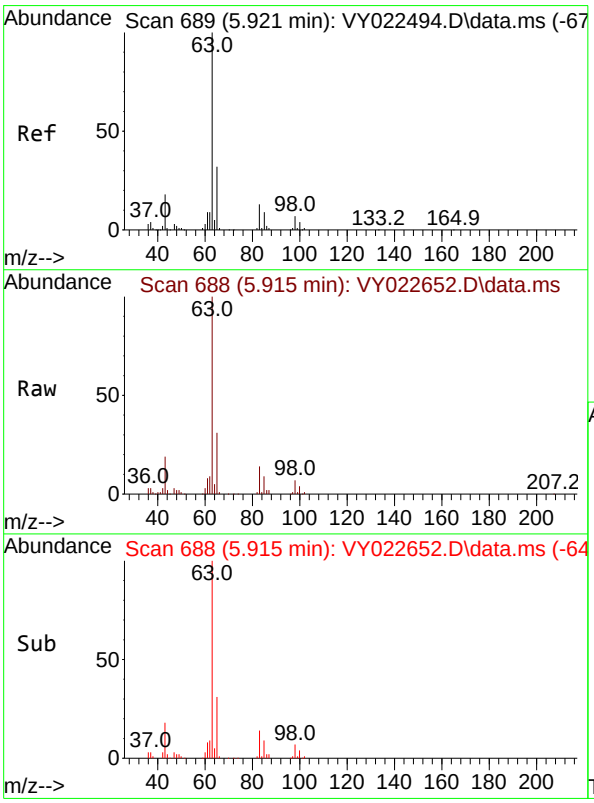
#23
Vinyl Acetate
Concen: 238.054 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 813591

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

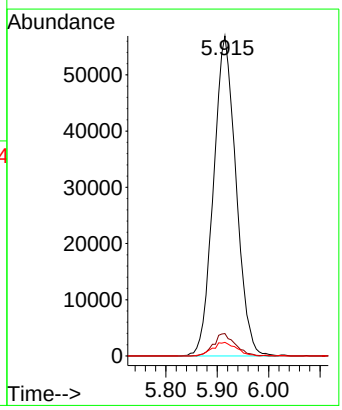


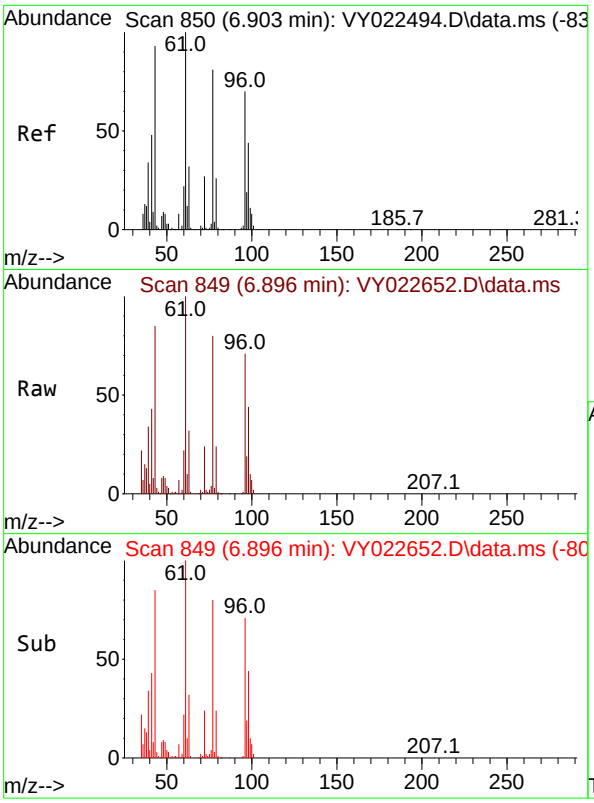


#24
1,1-Dichloroethane
Concen: 50.908 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 63 Resp: 173175

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.3	2.1	6.3



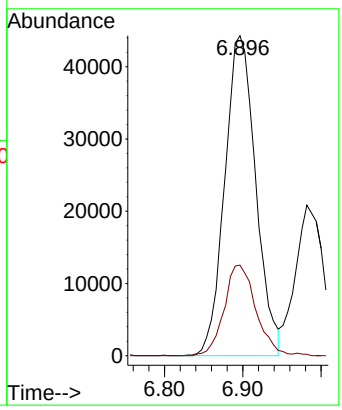


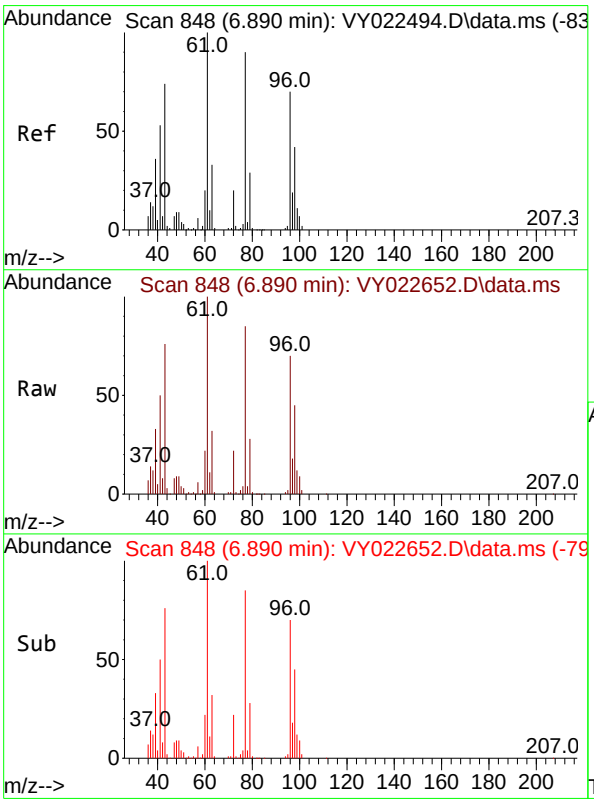
#25
2-Butanone
Concen: 236.409 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 122054

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

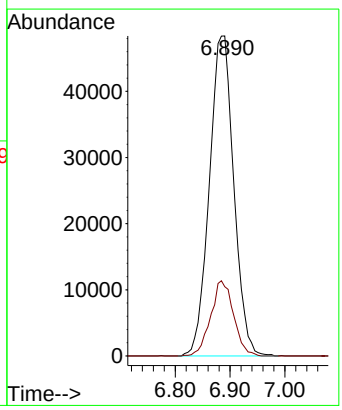


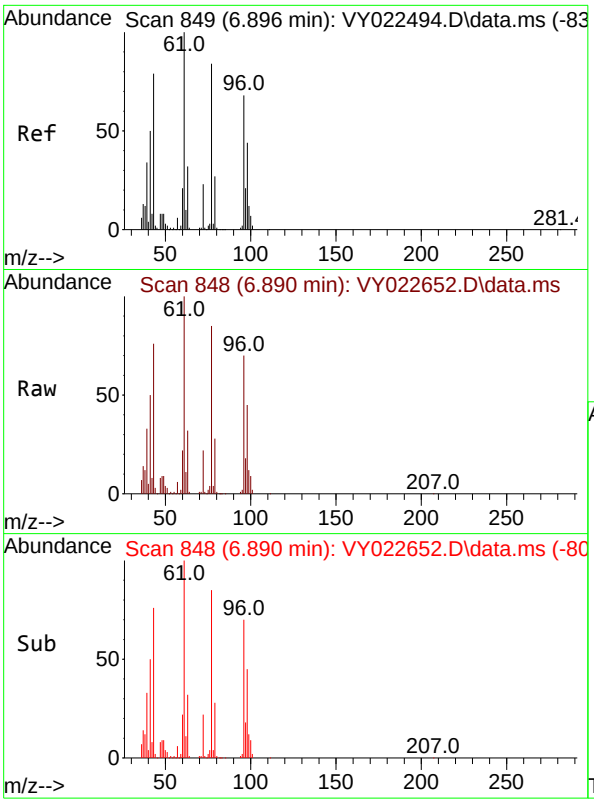


#26
2,2-Dichloropropane
Concen: 49.833 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 77 Resp: 149781

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2



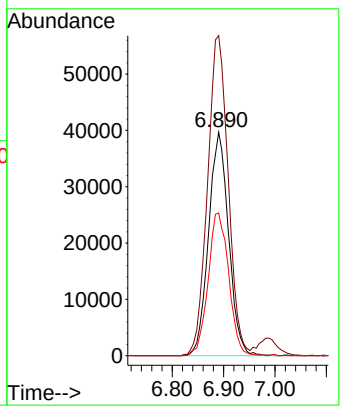


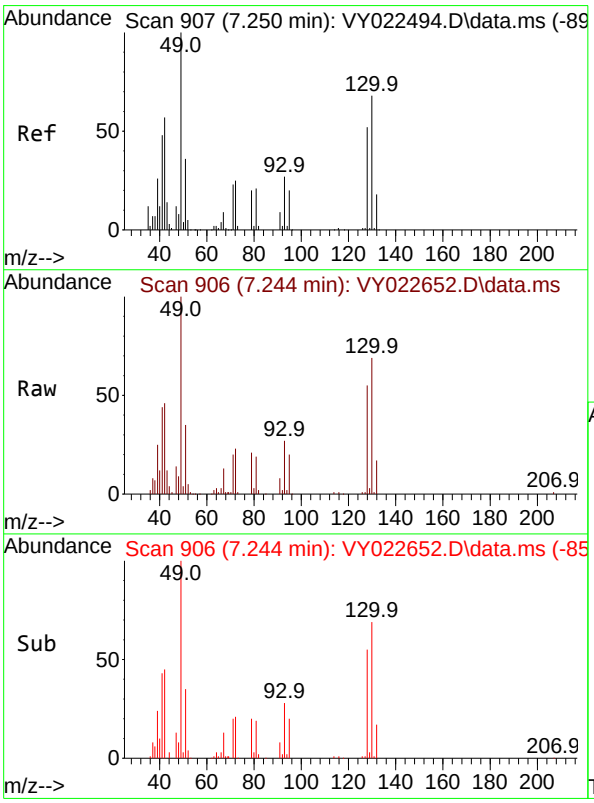
#27
cis-1,2-Dichloroethene
Concen: 50.321 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 107570

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	290.0
98	65.5	0.0	128.4

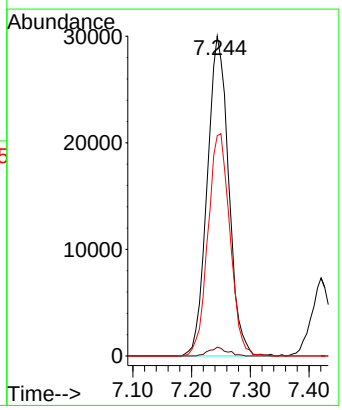


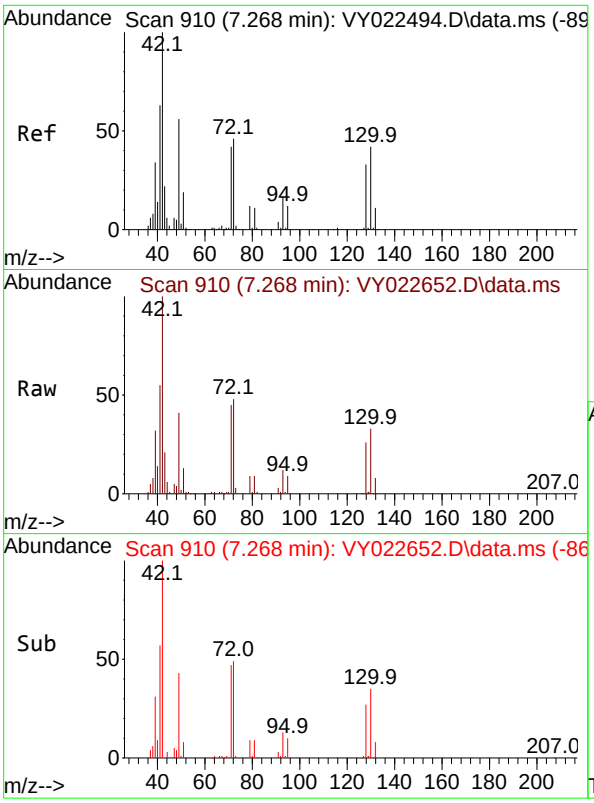


#28
Bromochloromethane
Concen: 51.267 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 49 Resp: 76022

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	71.2	55.7	83.5



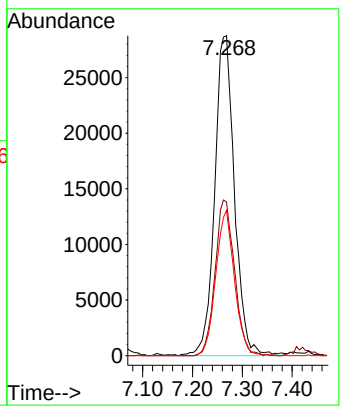


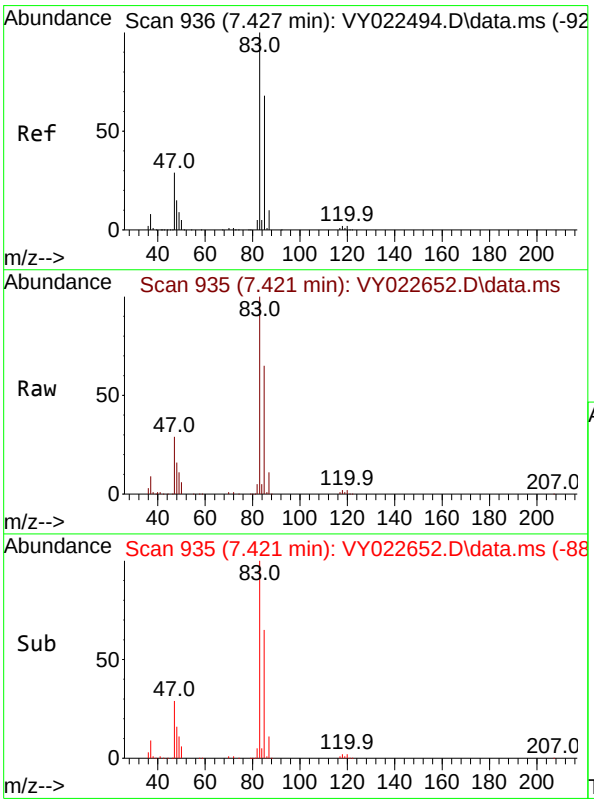
#29
Tetrahydrofuran
Concen: 238.466 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 79406

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.4	56.2
71	42.8	34.2	51.2

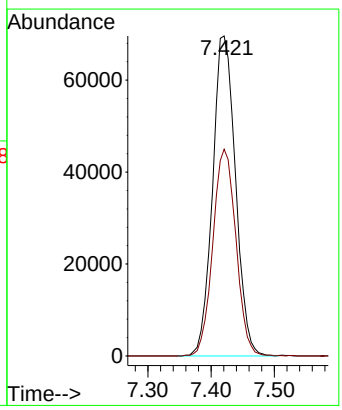


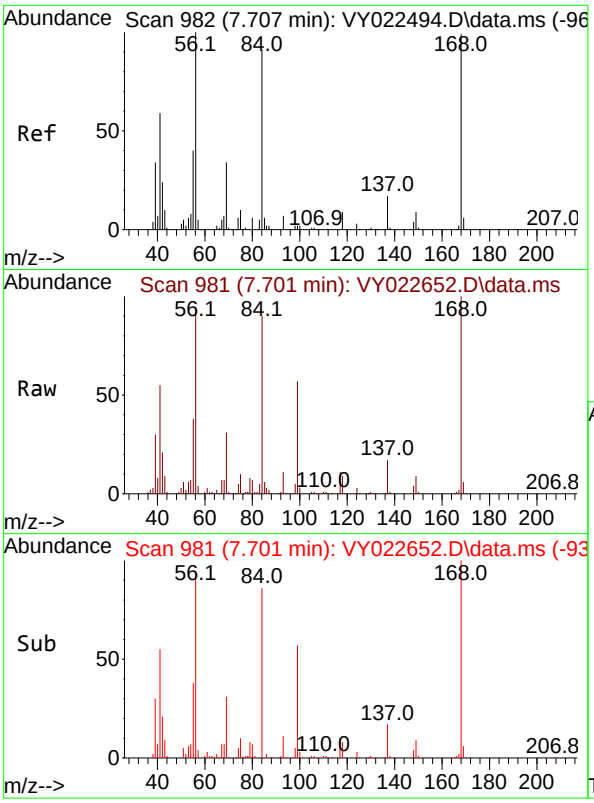


#30
Chloroform
Concen: 51.947 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 83 Resp: 175028

Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.2	81.4



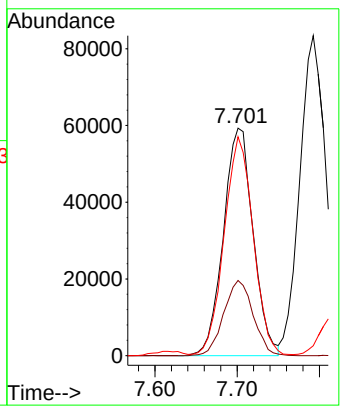


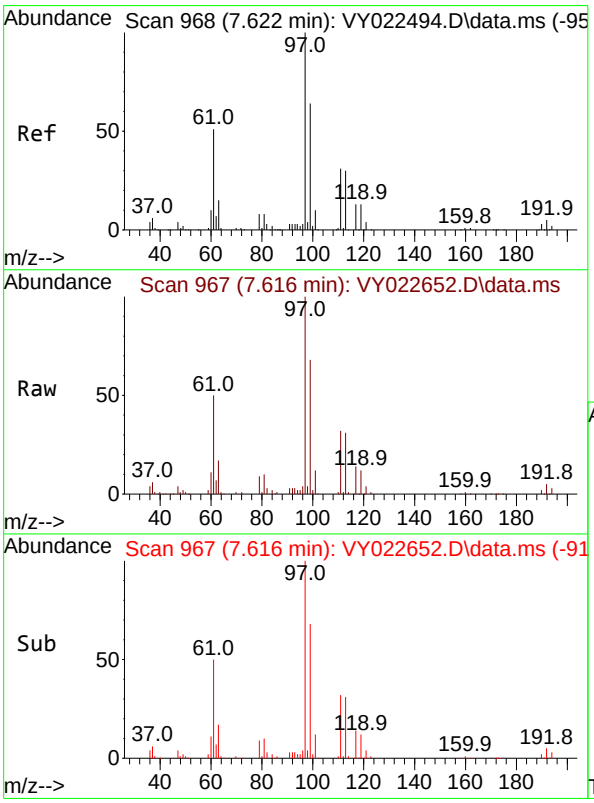
#31
Cyclohexane
Concen: 44.059 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 149209

Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.0	40.6
84	94.4	72.6	109.0

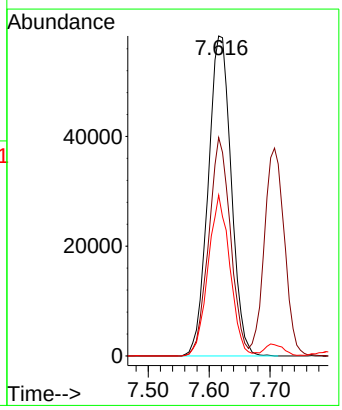


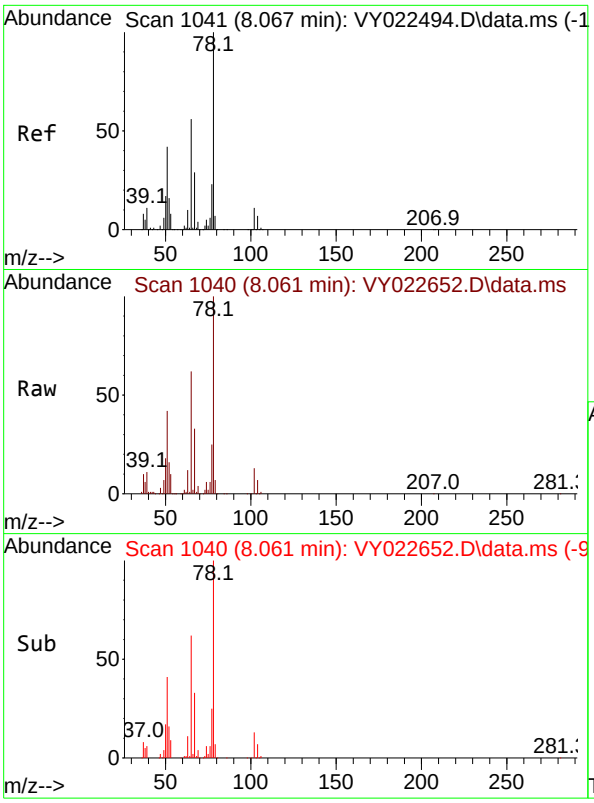


#32
1,1,1-Trichloroethane
Concen: 51.247 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 97 Resp: 153283

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.6	38.5	57.7



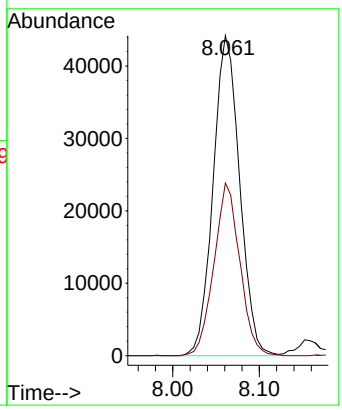


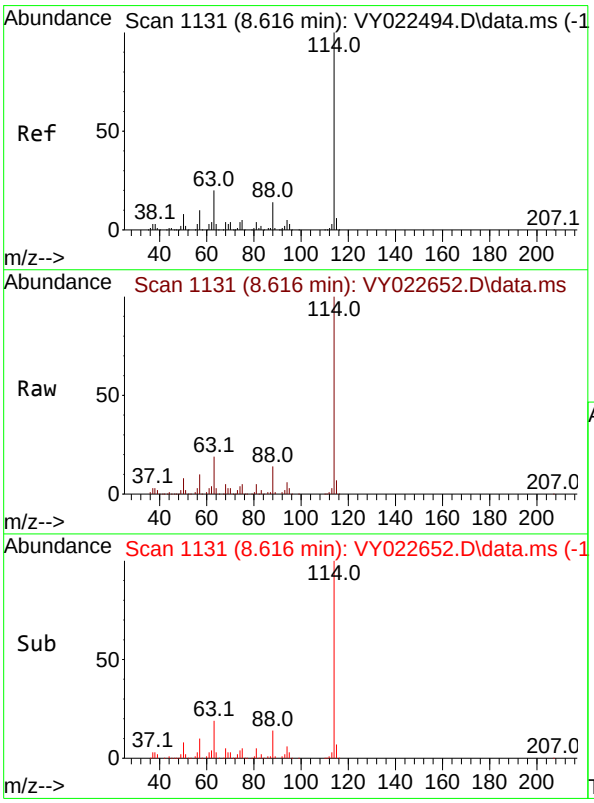
#33
1,2-Dichloroethane-d4
Concen: 53.295 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 93928

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.4

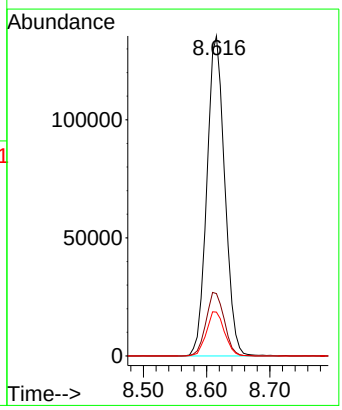


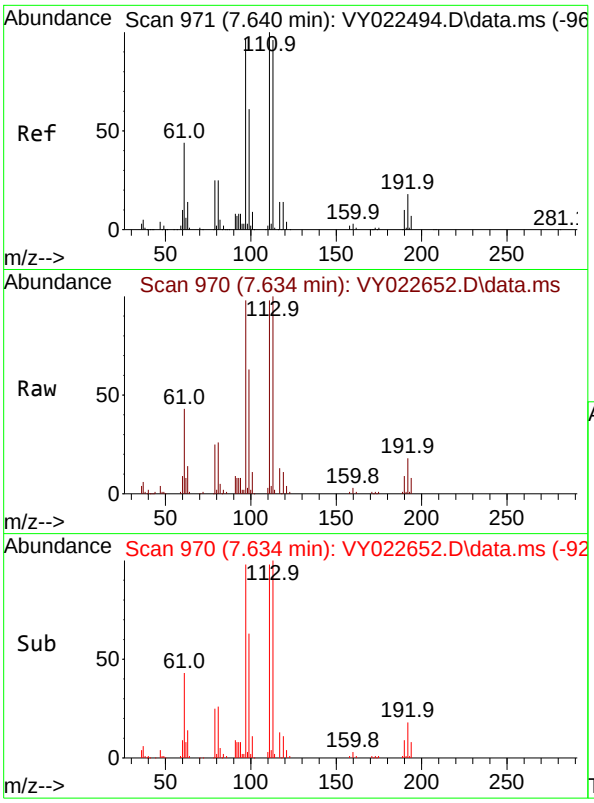


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:114 Resp: 265316

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.8
88	13.7	0.0	27.8



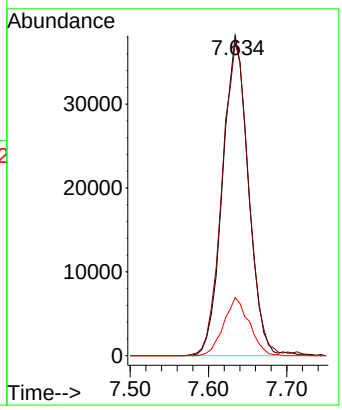


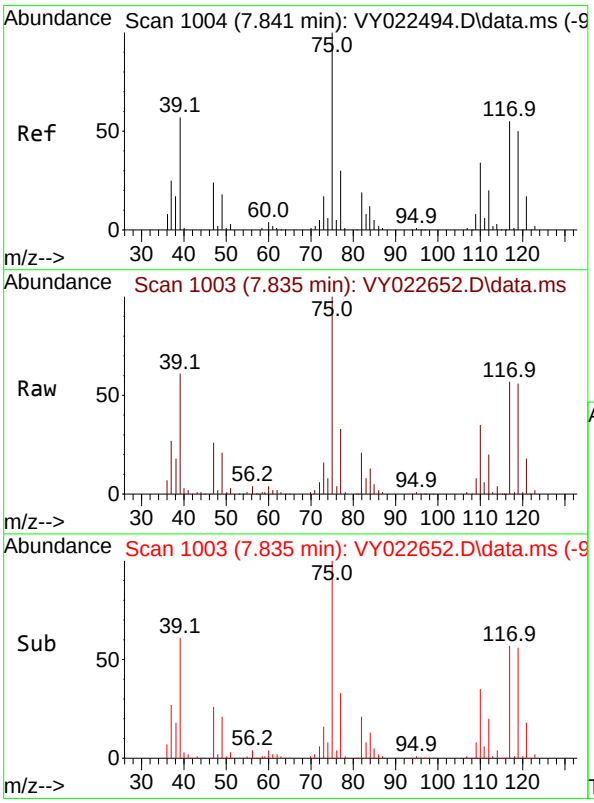
#35
Dibromofluoromethane
Concen: 54.732 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 86674

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	18.2	14.2	21.2

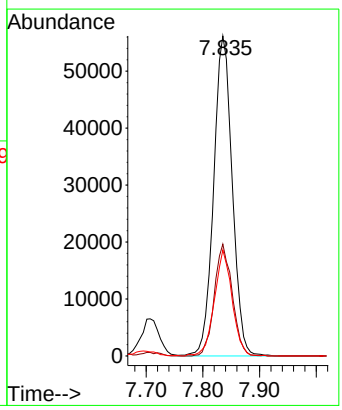


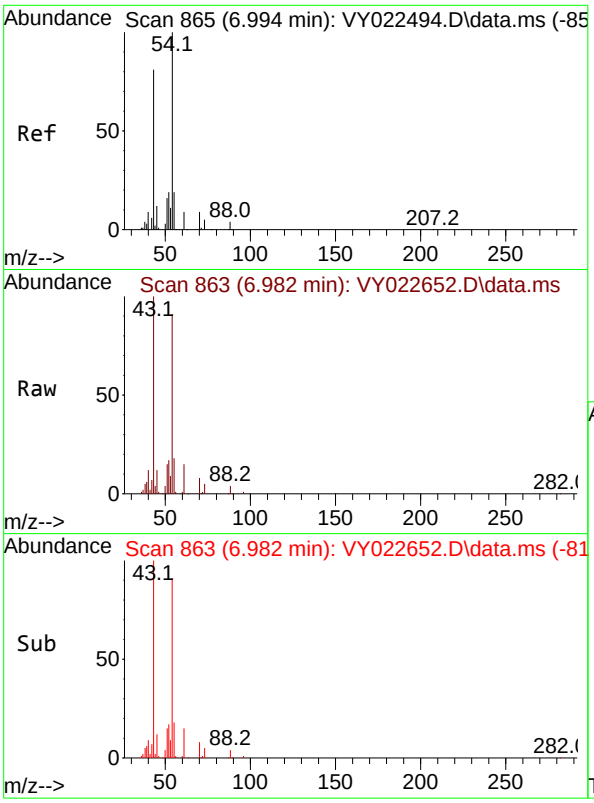


#36
1,1-Dichloropropene
Concen: 49.883 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 128210

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.6	24.8	37.2



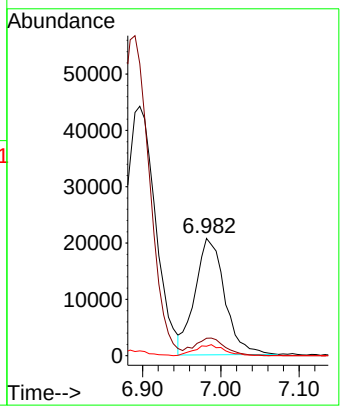


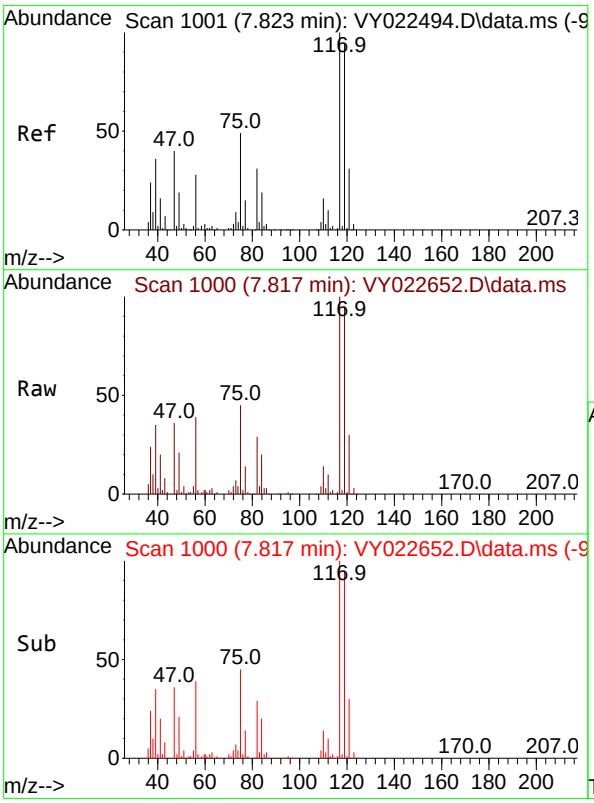
#37
Ethyl Acetate
Concen: 47.510 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 54455

Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.5	17.3
70	9.3	7.2	10.8

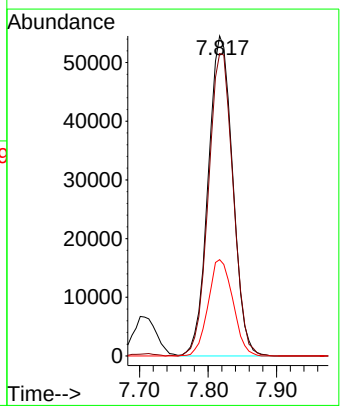


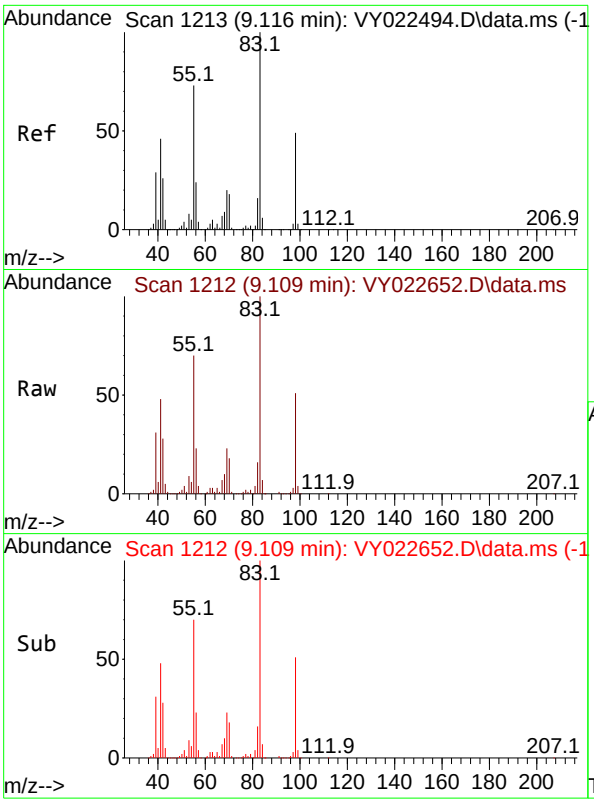


#38
Carbon Tetrachloride
Concen: 51.363 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:117 Resp: 135428

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.0	112.6
121	30.1	25.0	37.4



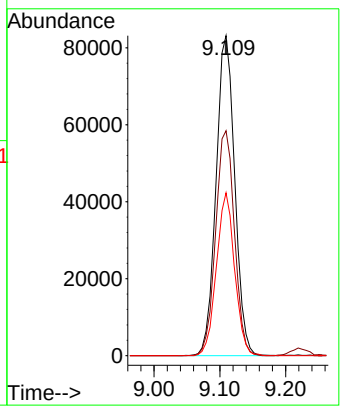


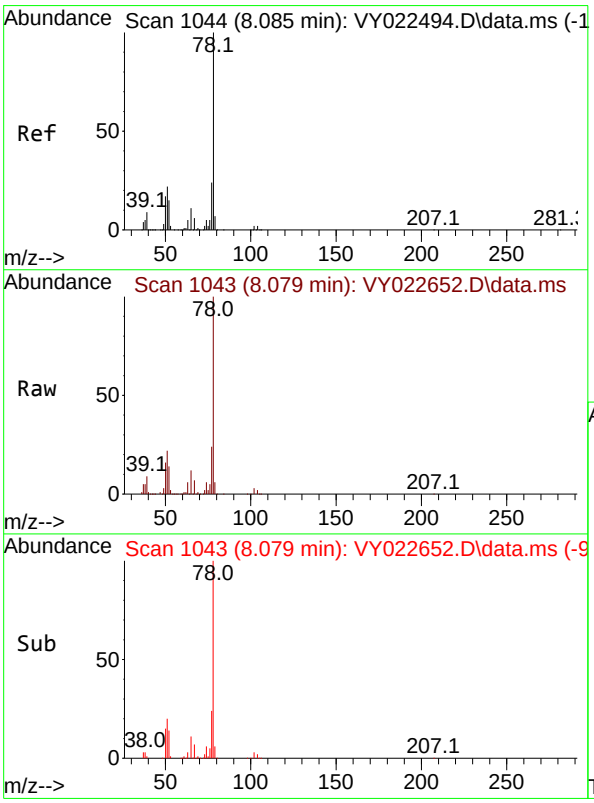
#39
Methylcyclohexane
Concen: 47.635 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 164532

Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	50.9	39.0	58.6

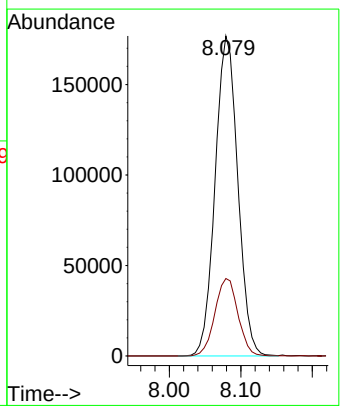


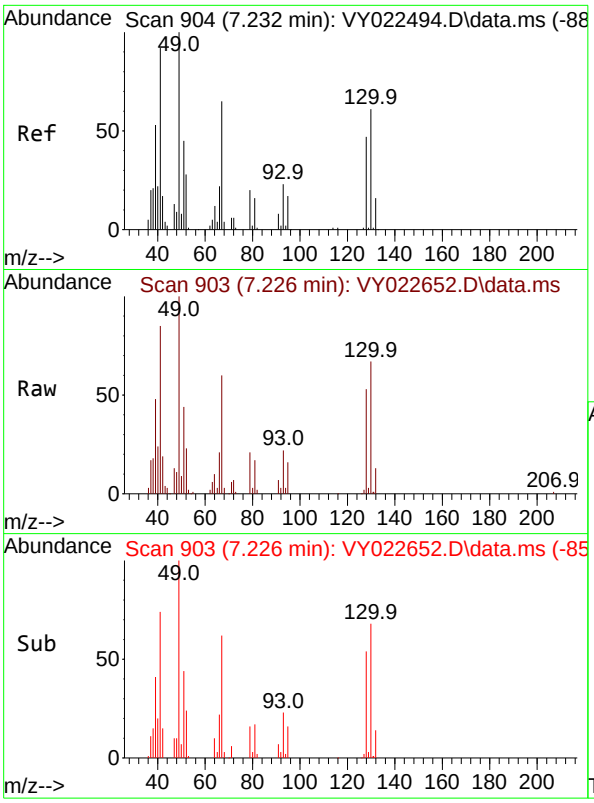


#40
Benzene
Concen: 51.219 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 78 Resp: 388821

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9



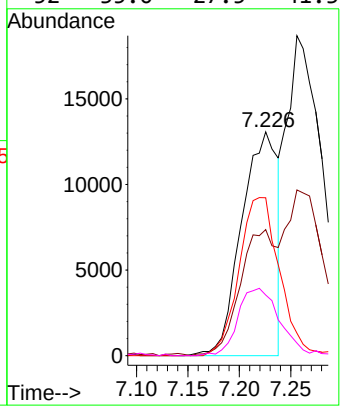


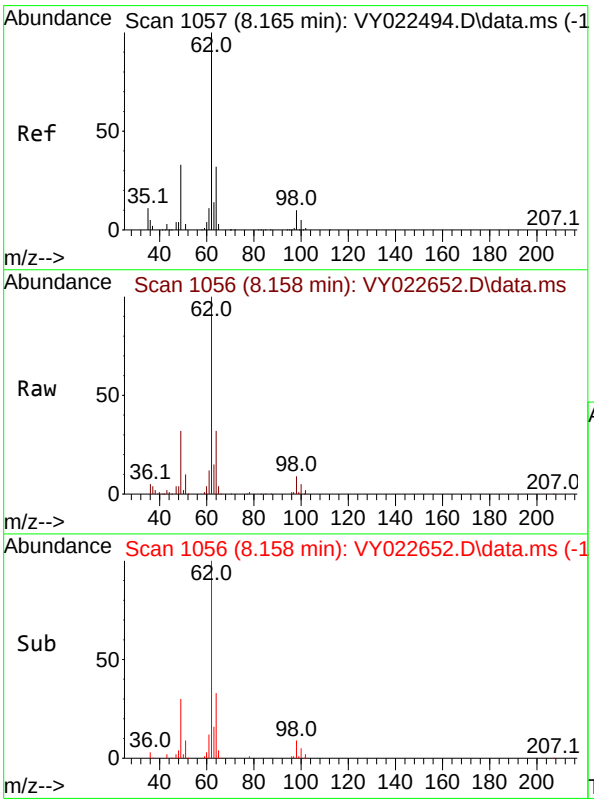
#41
Methacrylonitrile
Concen: 47.810 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 32009

Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.6	69.8
67	79.4	63.3	94.9
52	35.0	27.5	41.3

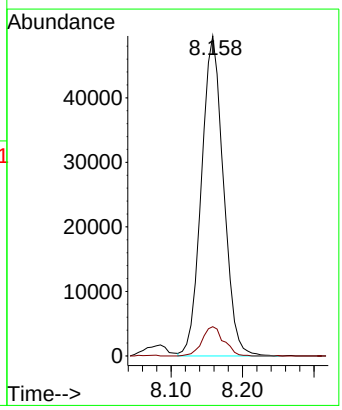


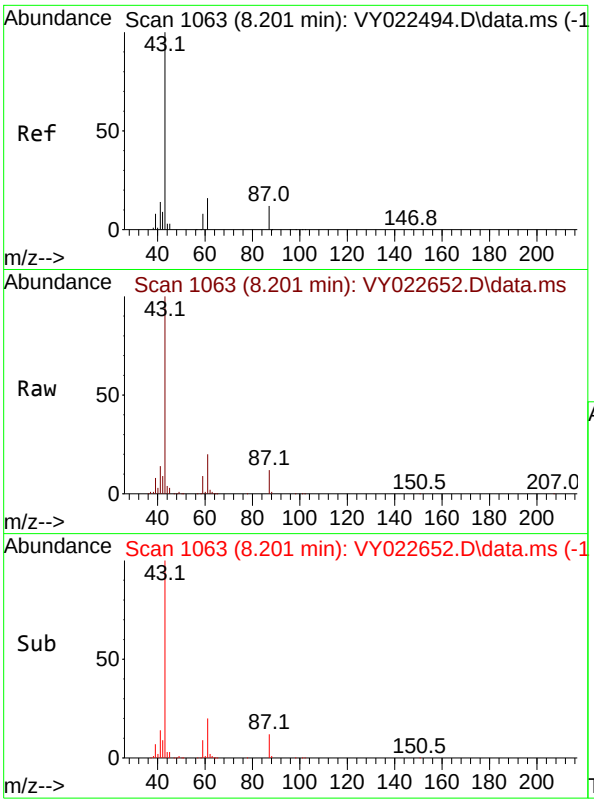


#42
1,2-Dichloroethane
Concen: 51.210 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 62 Resp: 106146

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



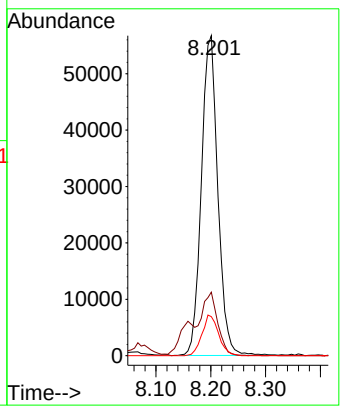


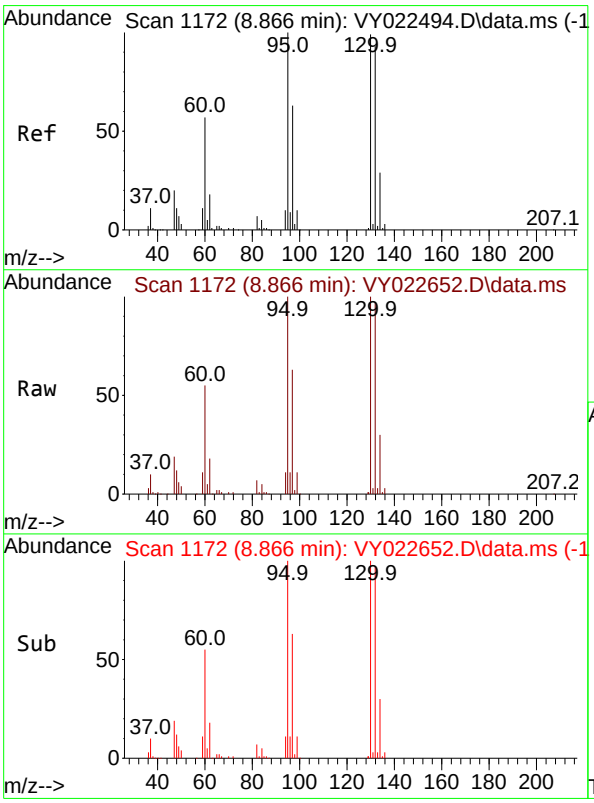
#43
Isopropyl Acetate
Concen: 47.665 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 117992

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.6	23.4
87	12.8	10.2	15.4

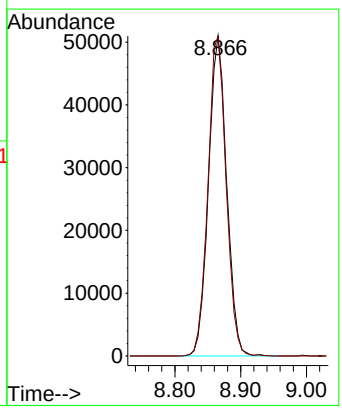


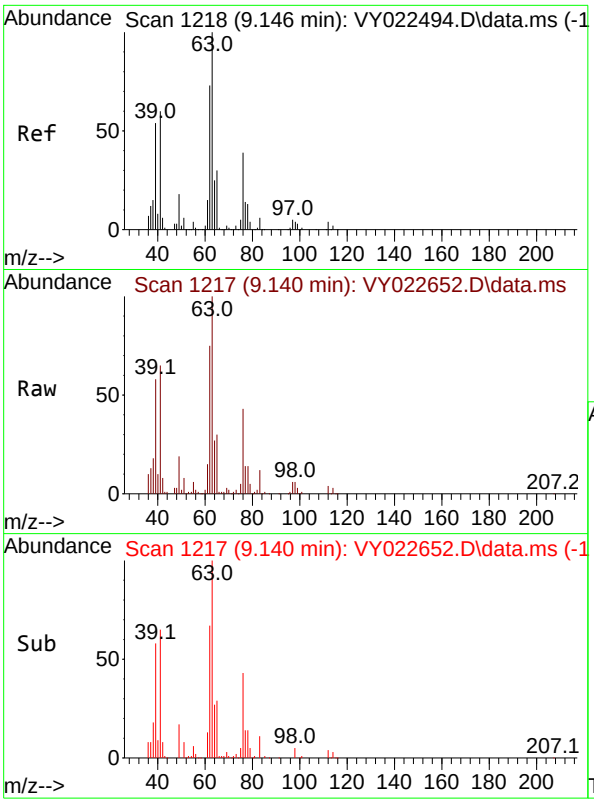


#44
Trichloroethene
Concen: 52.755 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:130 Resp: 97879

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	203.0



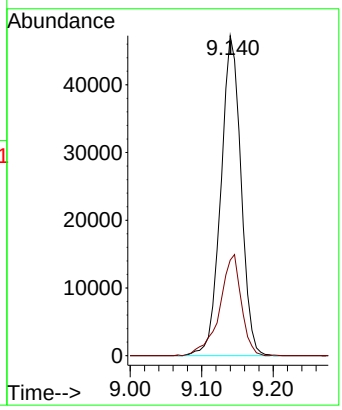


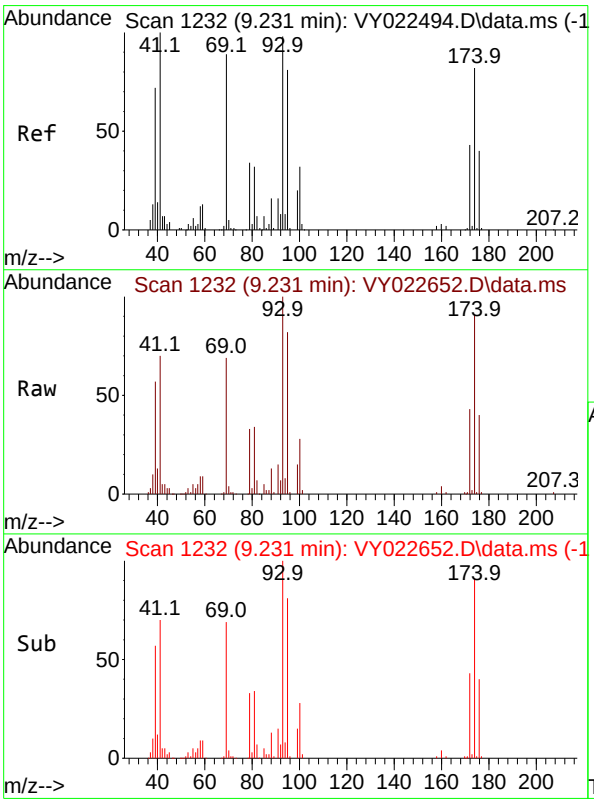
#45
1,2-Dichloropropane
Concen: 51.503 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 92401

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0

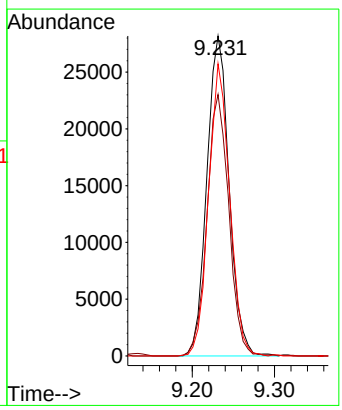


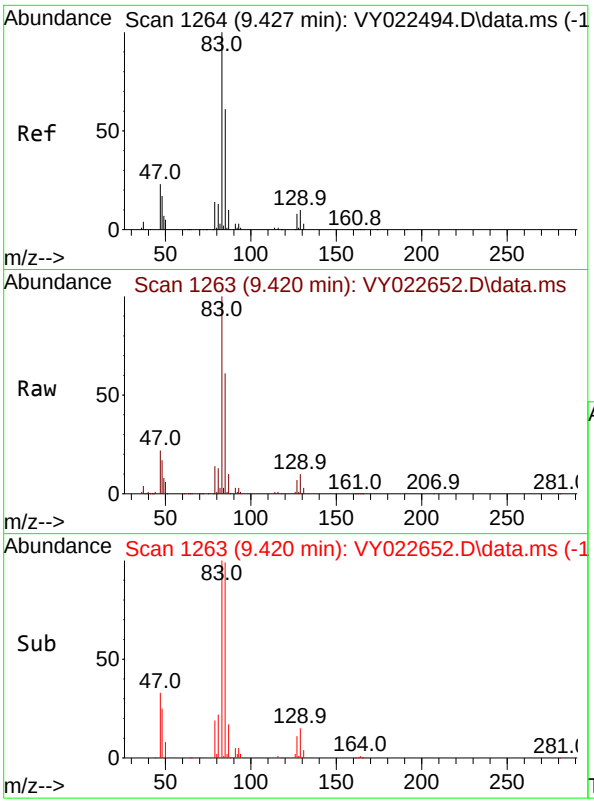


#46
Dibromomethane
Concen: 52.423 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 93 Resp: 52912

Ion	Ratio	Lower	Upper
93	100		
95	80.3	65.6	98.4
174	86.8	70.4	105.6



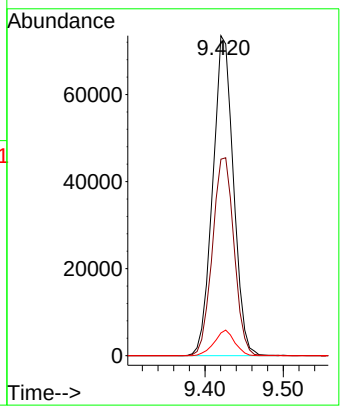


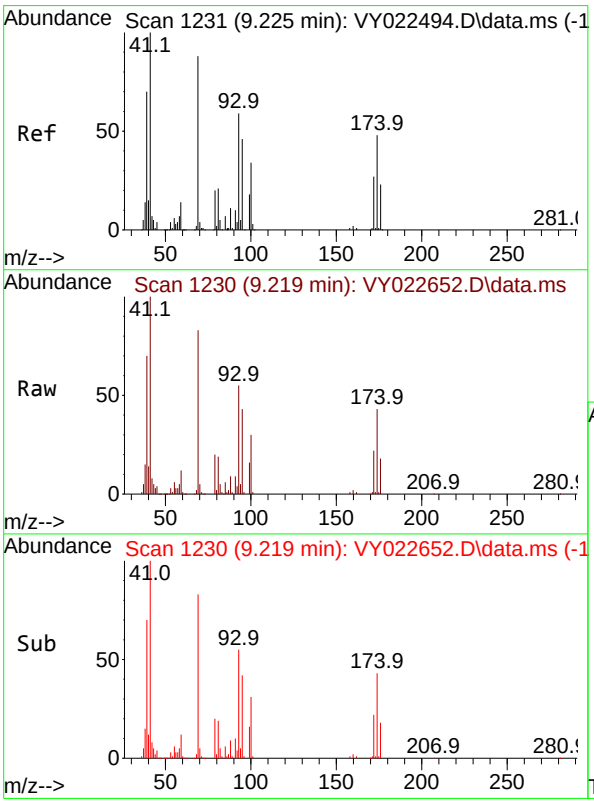
#47
Bromodichloromethane
Concen: 52.817 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 135175

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.1	6.2	9.4

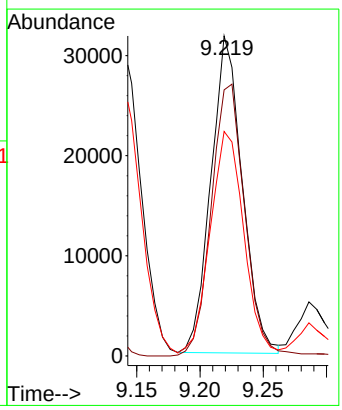


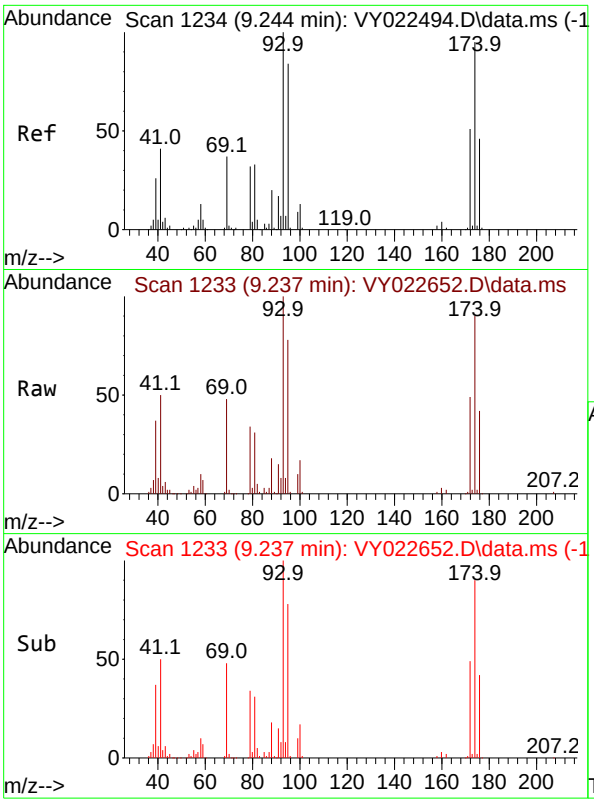


#48
Methyl methacrylate
Concen: 47.036 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 41 Resp: 54646

Ion	Ratio	Lower	Upper
41	100		
69	91.9	67.8	101.8
39	74.3	55.0	82.4



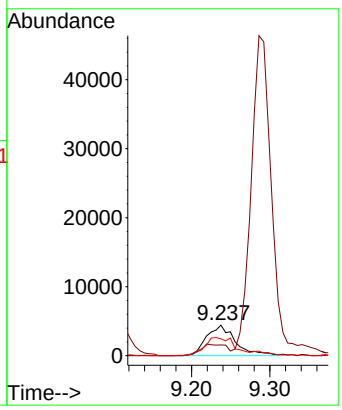


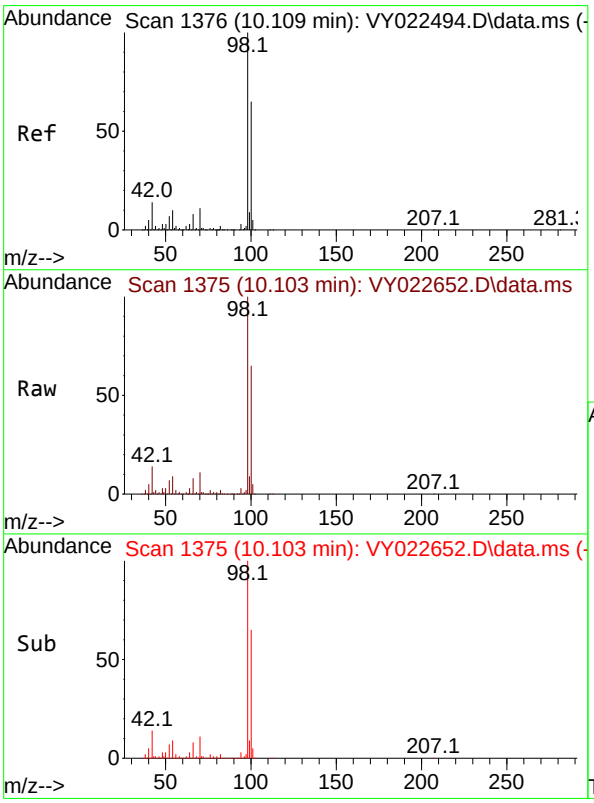
#49
1,4-Dioxane
Concen: 951.195 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 11374

Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.4	38.2
58	60.8	54.9	82.3

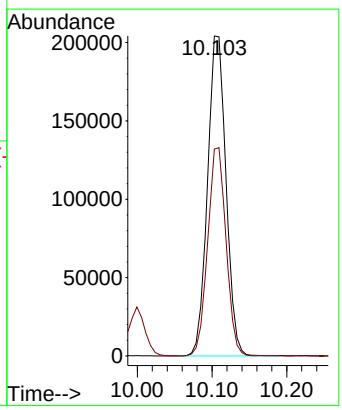


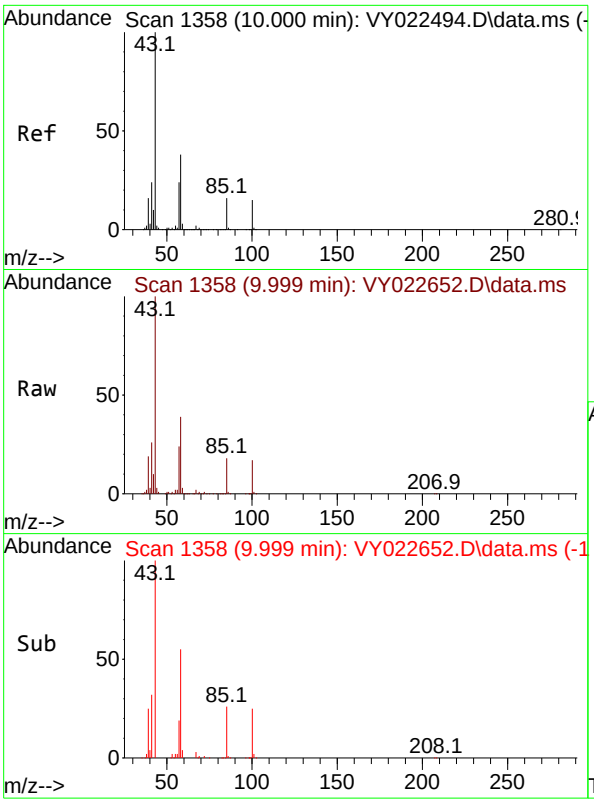


#50
Toluene-d8
Concen: 54.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 98 Resp: 351227

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0



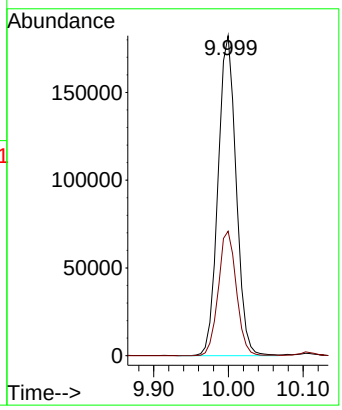


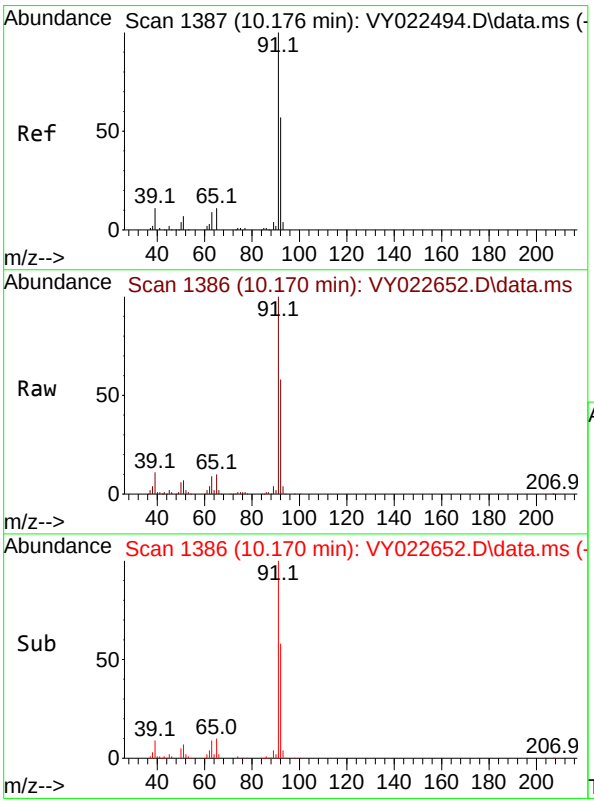
#51
4-Methyl-2-Pentanone
Concen: 248.232 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 306364

Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6

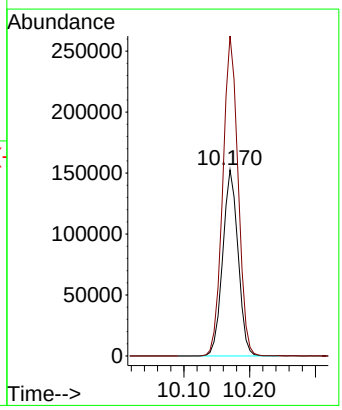


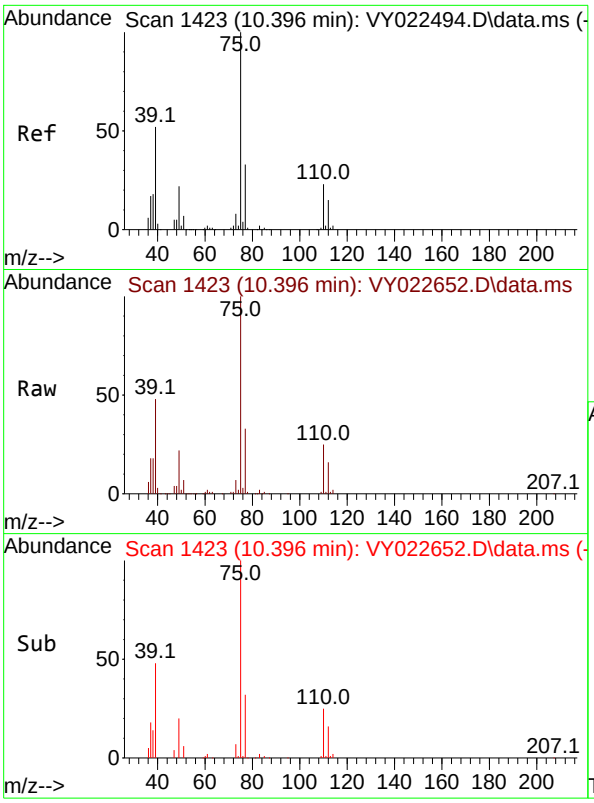


#52
Toluene
Concen: 51.844 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 92 Resp: 247331

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4



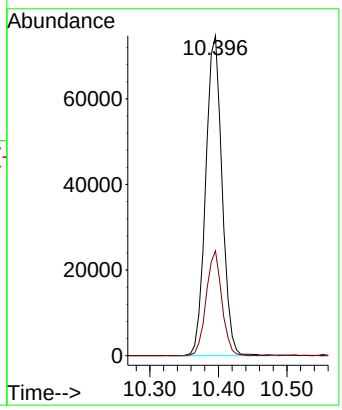


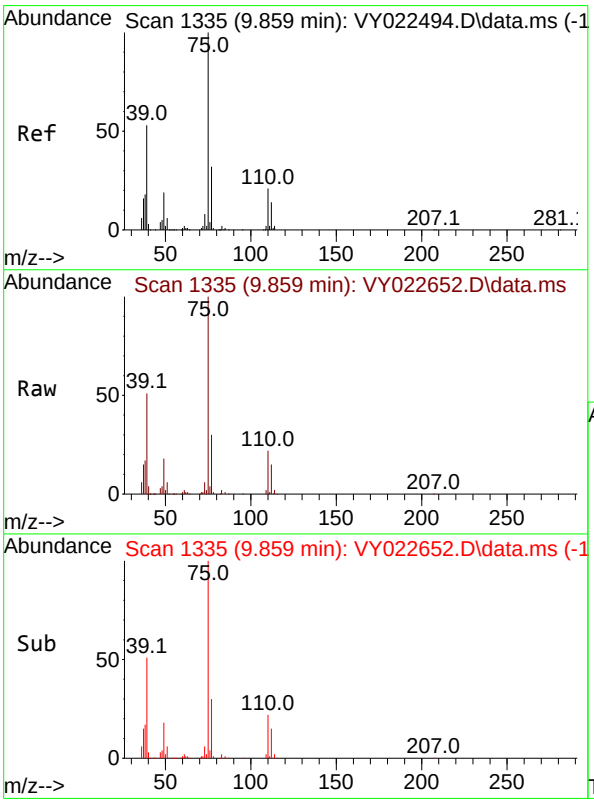
#53
t-1,3-Dichloropropene
Concen: 51.731 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 124050

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

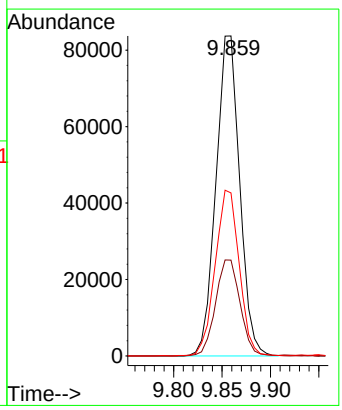


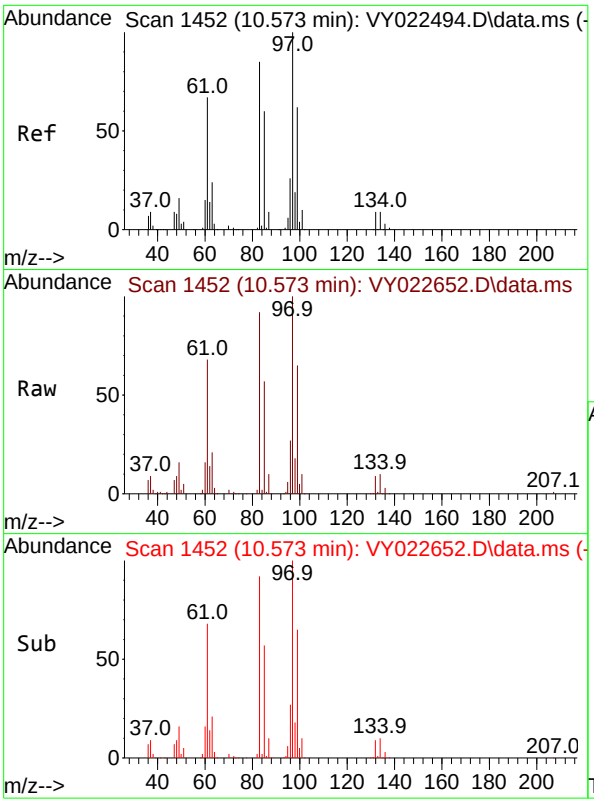


#54
cis-1,3-Dichloropropene
Concen: 51.121 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 142700

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.3	37.9
39	50.8	42.7	64.1



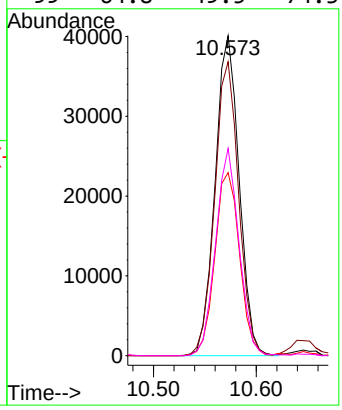


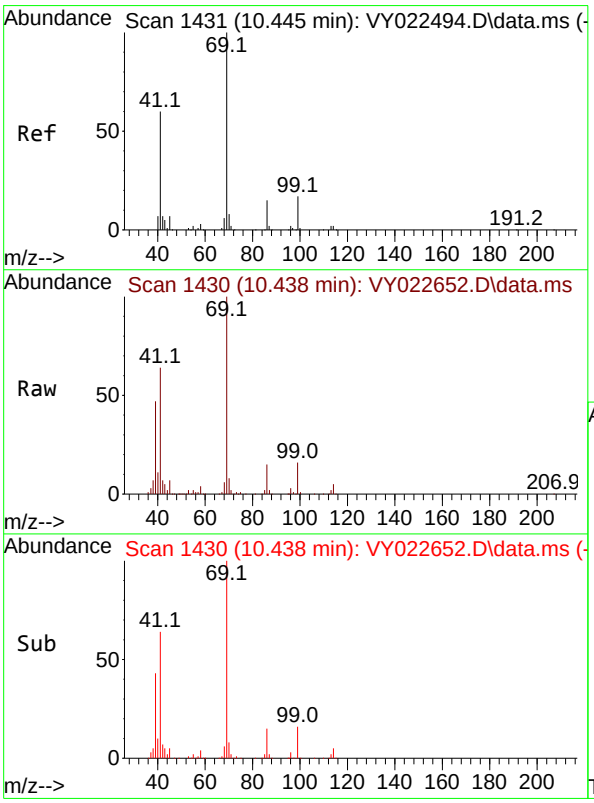
#55
1,1,2-Trichloroethane
Concen: 50.652 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 65190

Ion	Ratio	Lower	Upper
97	100		
83	91.8	68.1	102.1
85	57.2	48.2	72.2
99	64.8	49.5	74.3

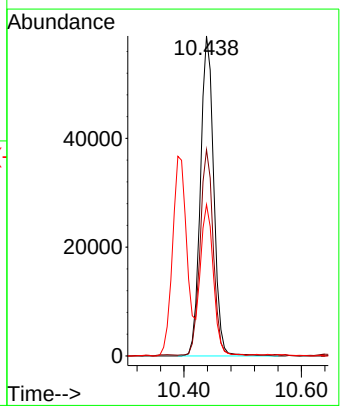


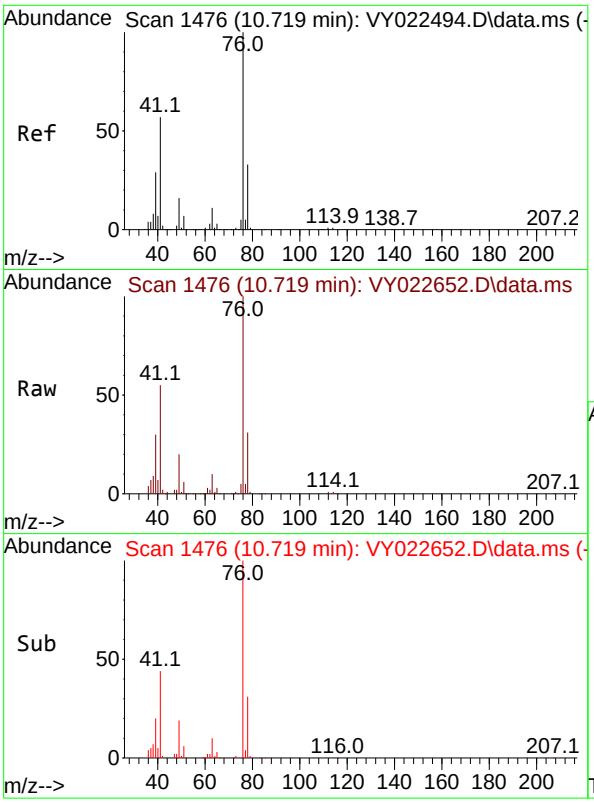


#56
Ethyl methacrylate
Concen: 49.753 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 69 Resp: 92549

Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.2	78.2
39	44.8	36.7	55.1



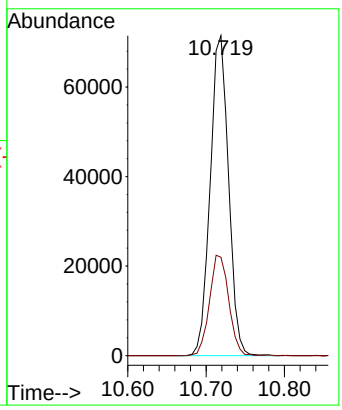


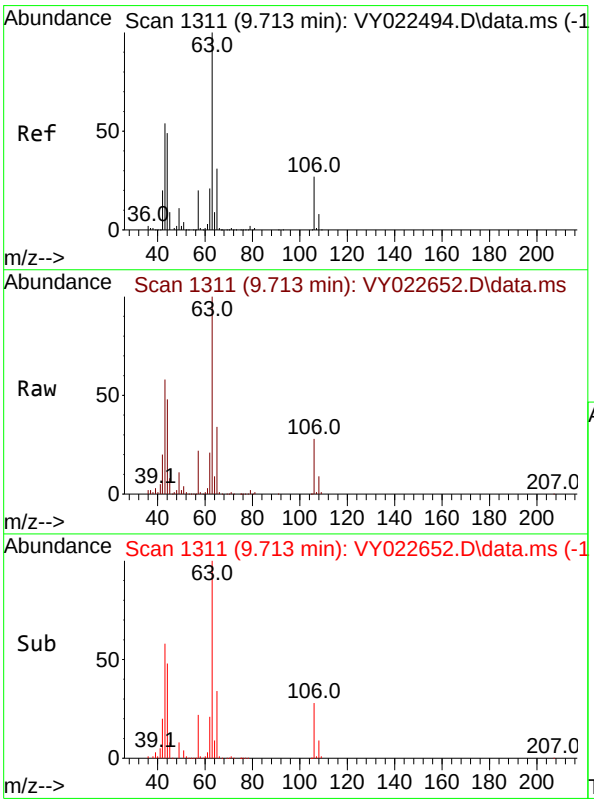
#57
1,3-Dichloropropane
Concen: 50.976 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 116284

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

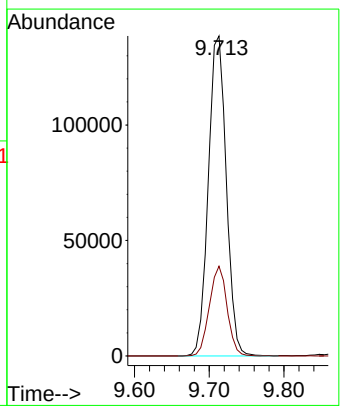


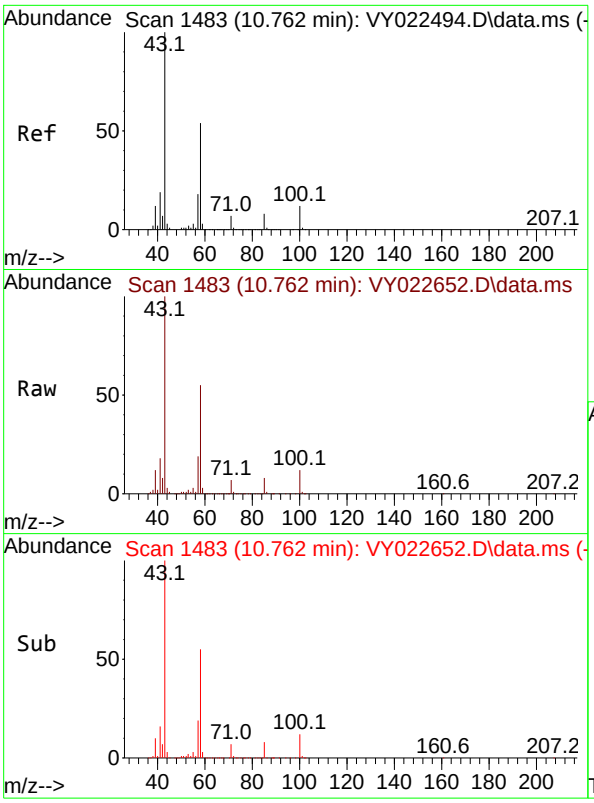


#58
2-Chloroethyl Vinyl ether
Concen: 274.143 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 63 Resp: 231530

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.6	32.4



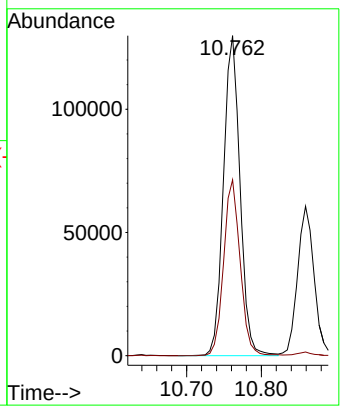


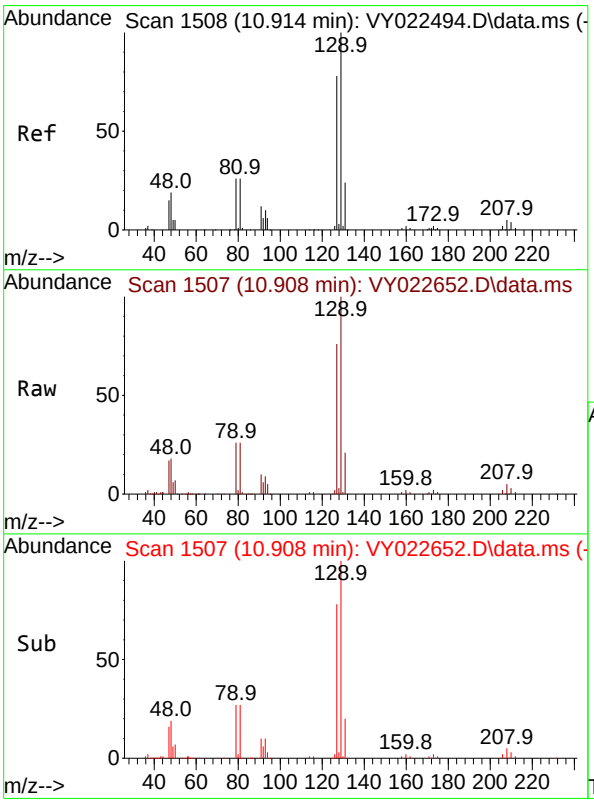
#59
2-Hexanone
Concen: 242.841 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 200444

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.3	81.8

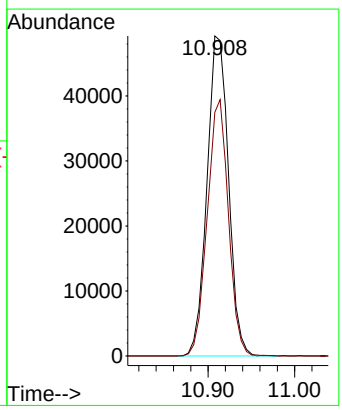


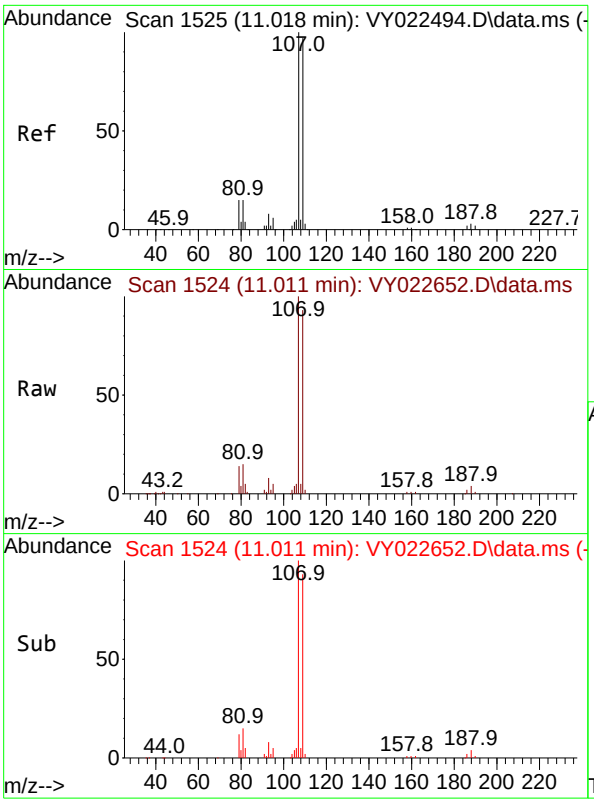


#60
Dibromochloromethane
Concen: 51.909 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:129 Resp: 84902

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2



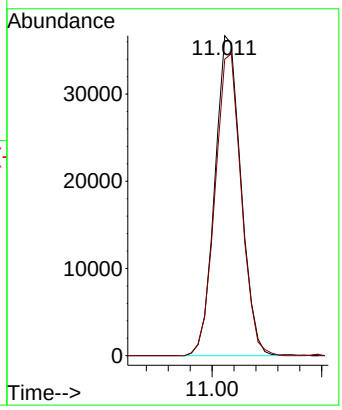


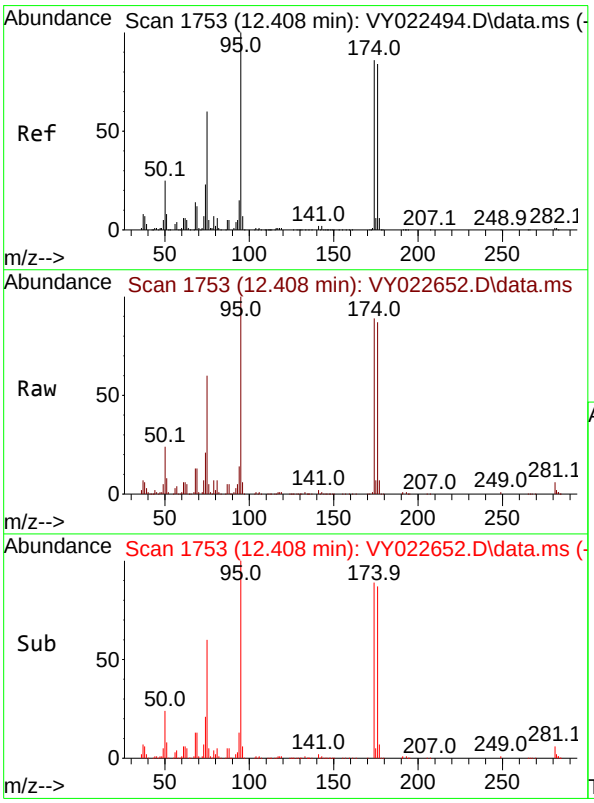
#61
1,2-Dibromoethane
Concen: 51.536 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 60454

Ion	Ratio	Lower	Upper
107	100		
109	95.3	77.7	116.5

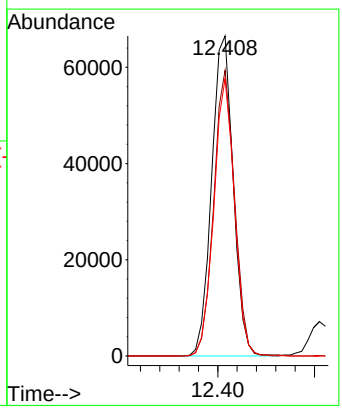


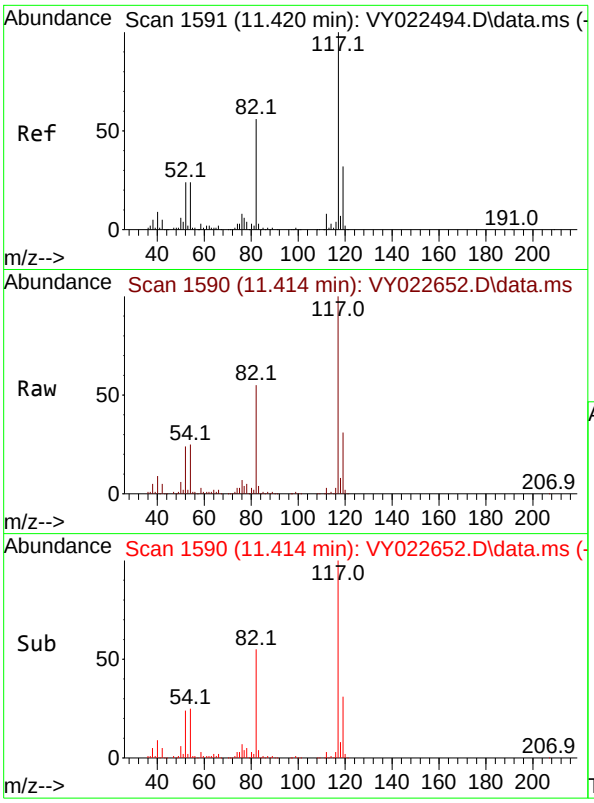


#62
4-Bromofluorobenzene
Concen: 53.948 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 95 Resp: 102854

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	170.0
176	83.0	0.0	166.2



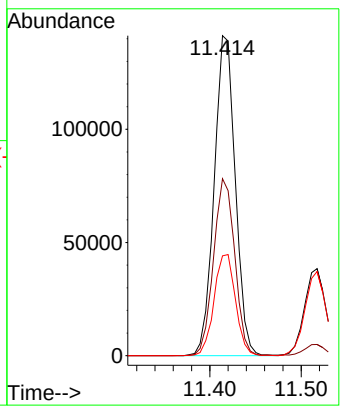


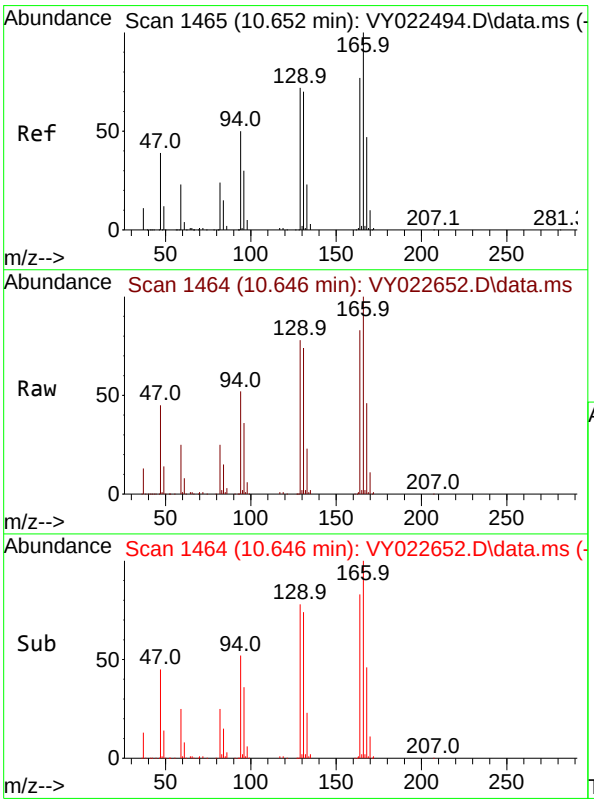
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 226799

Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	66.8
119	31.2	25.4	38.0

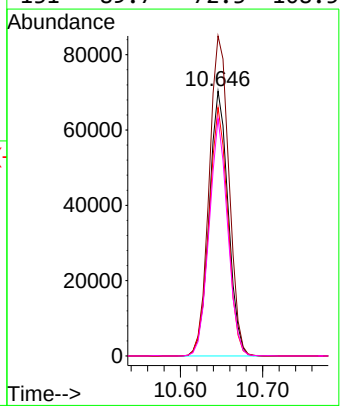


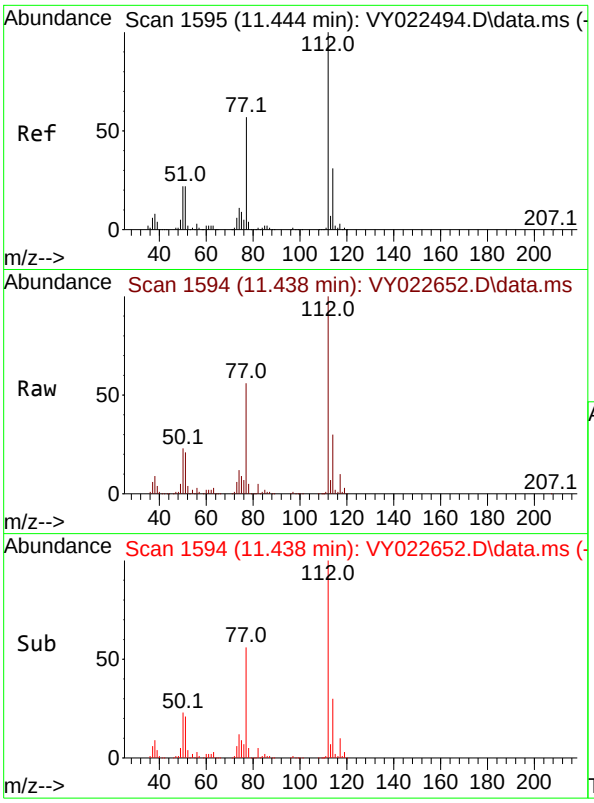


#64
Tetrachloroethene
Concen: 57.985 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:164 Resp: 113126

Ion	Ratio	Lower	Upper
164	100		
166	120.9	104.0	156.0
129	93.9	74.5	111.7
131	89.7	72.3	108.5



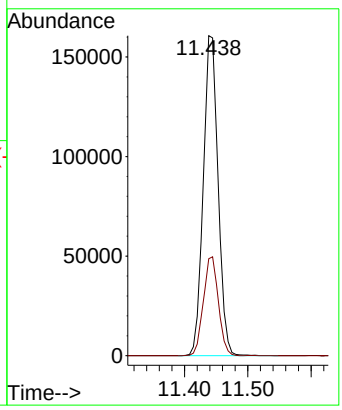


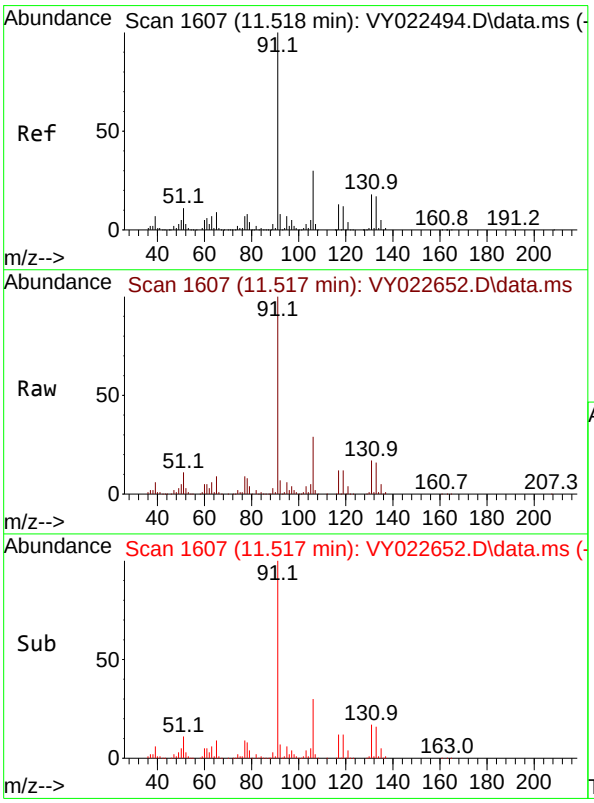
#65
Chlorobenzene
Concen: 52.170 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 261829

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.0	37.6

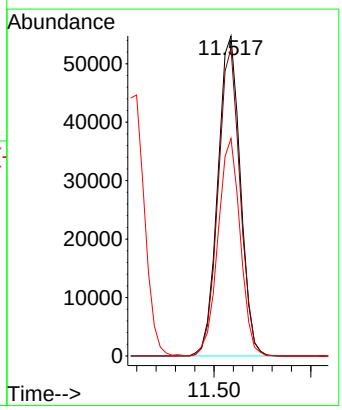


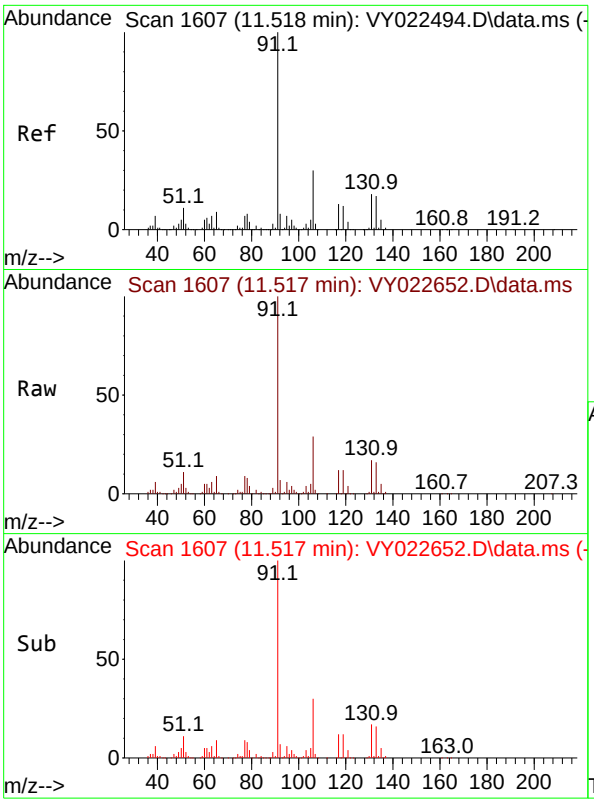


#66
1,1,1,2-Tetrachloroethane
Concen: 52.156 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:131 Resp: 88180

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	141.8
119	67.2	33.1	99.3



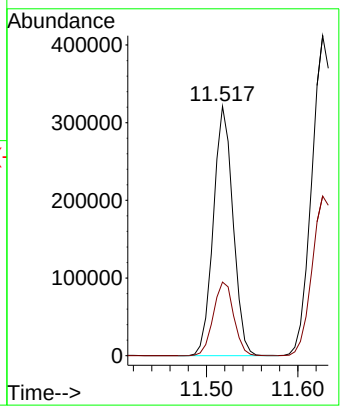


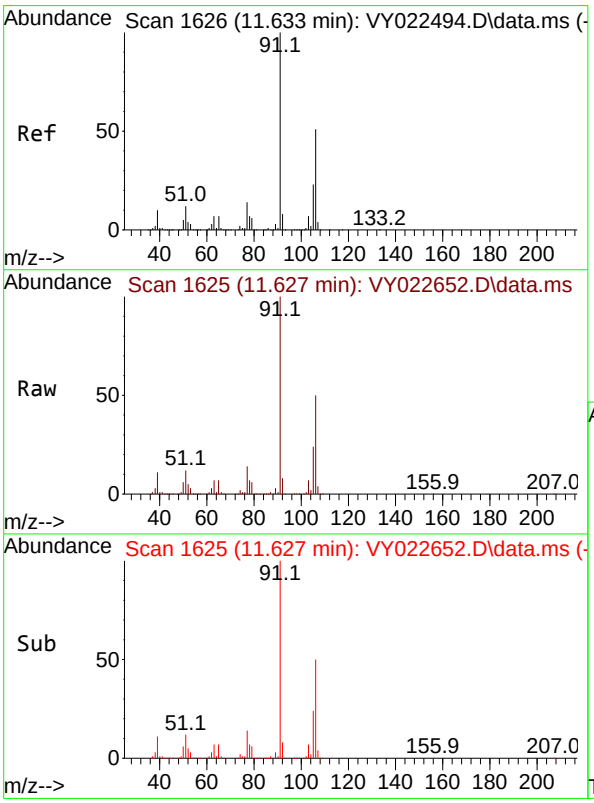
#67
Ethyl Benzene
Concen: 51.549 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 479857

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4

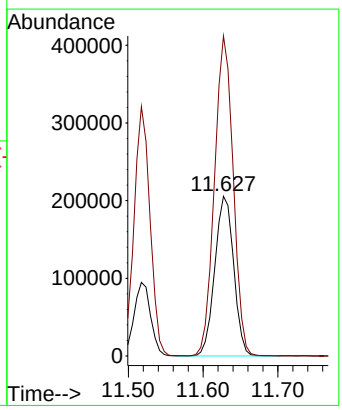


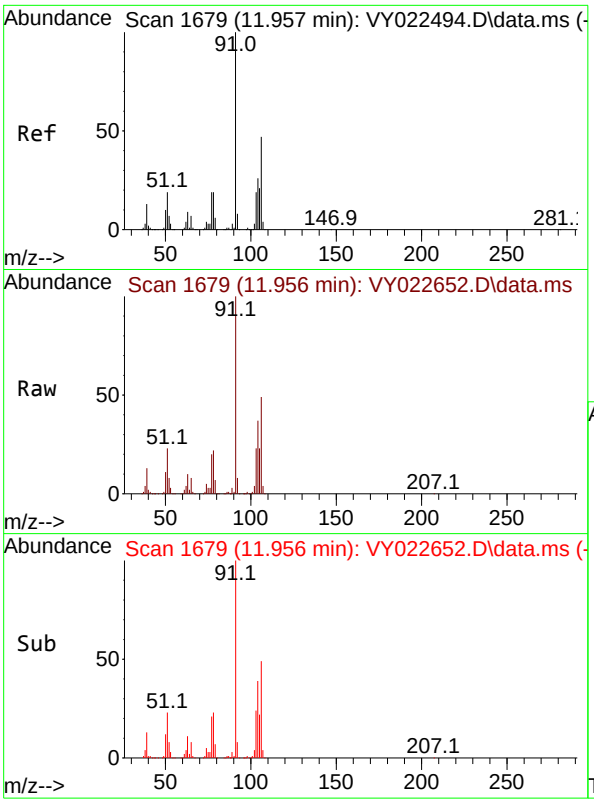


#68
m/p-Xylenes
Concen: 102.714 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:106 Resp: 362462

Ion	Ratio	Lower	Upper
106	100		
91	198.2	159.4	239.0



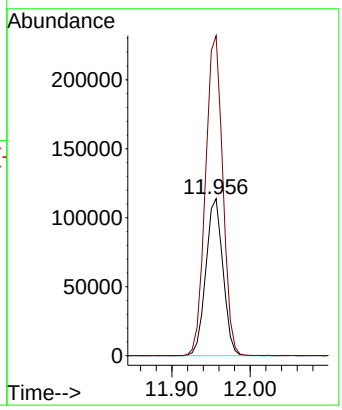


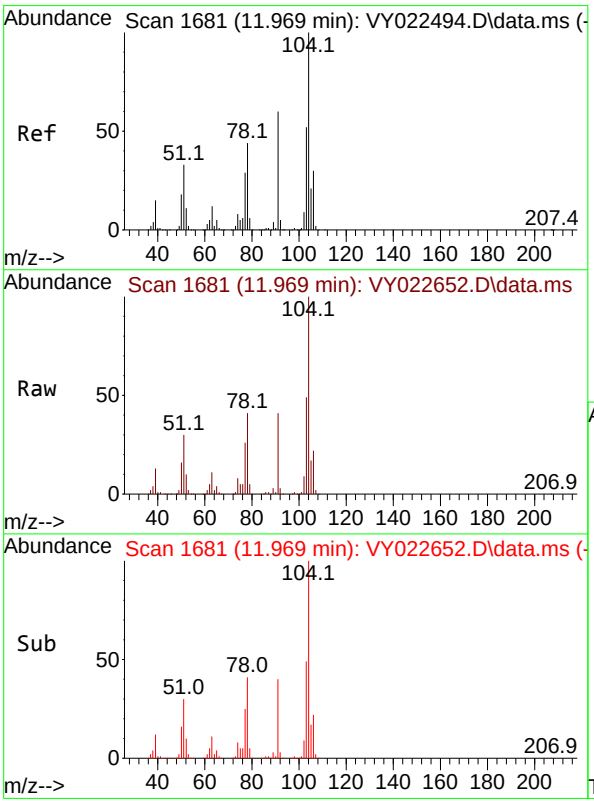
#69
o-Xylene
Concen: 52.136 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 172493

Ion	Ratio	Lower	Upper
106	100		
91	205.8	105.8	317.3

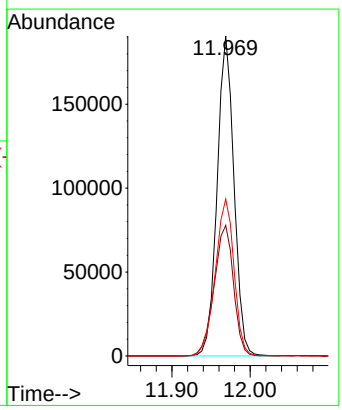


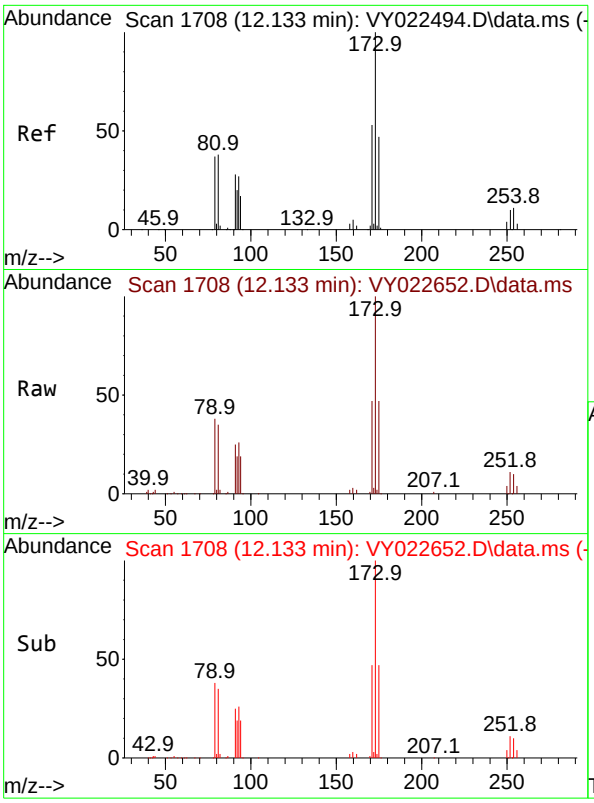


#70
Styrene
Concen: 52.154 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:104 Resp: 285228

Ion	Ratio	Lower	Upper
104	100		
78	47.0	39.5	59.3
103	54.6	44.1	66.1



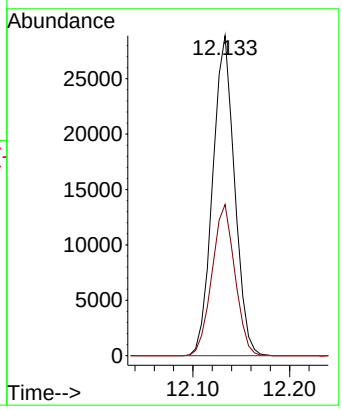


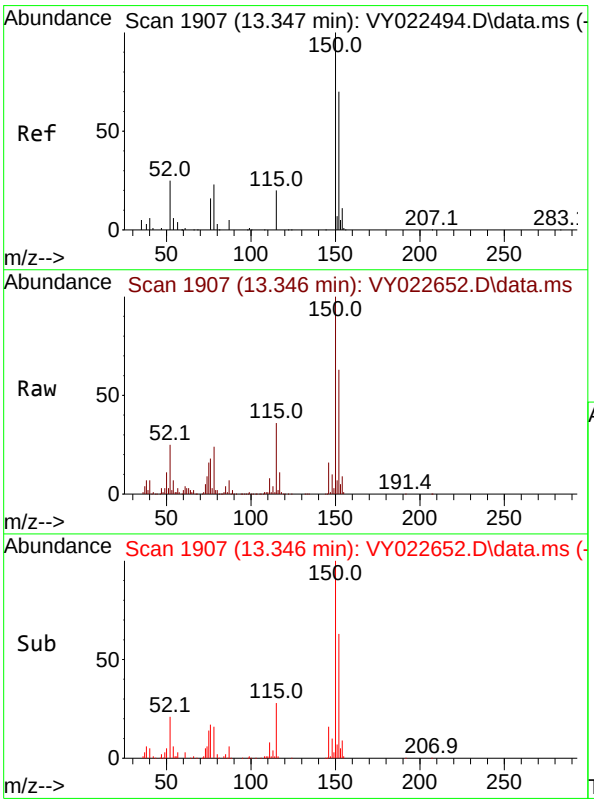
#71
Bromoform
Concen: 50.392 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 45337

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.5
254	0.0	0.0	0.0

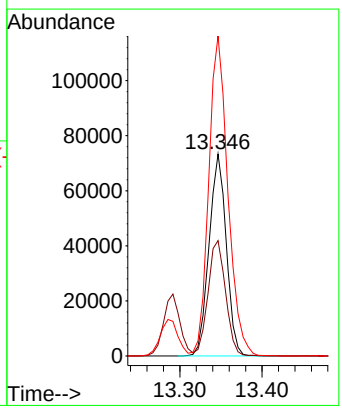


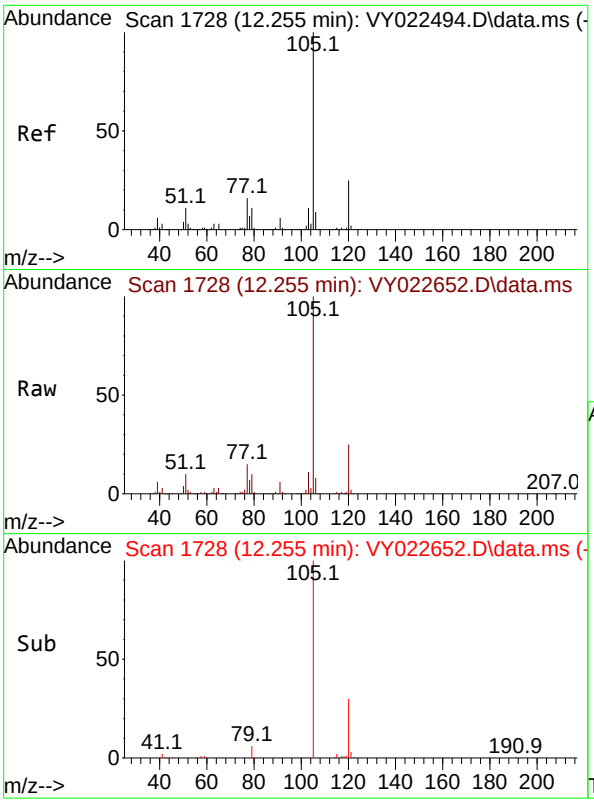


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:152 Resp: 106876

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.7
150	176.1	0.0	349.6



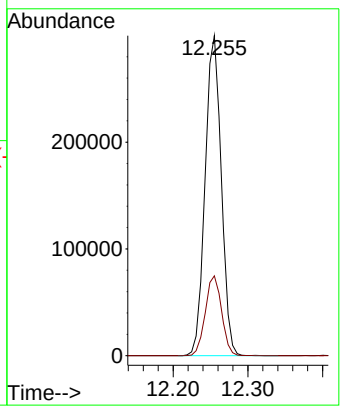


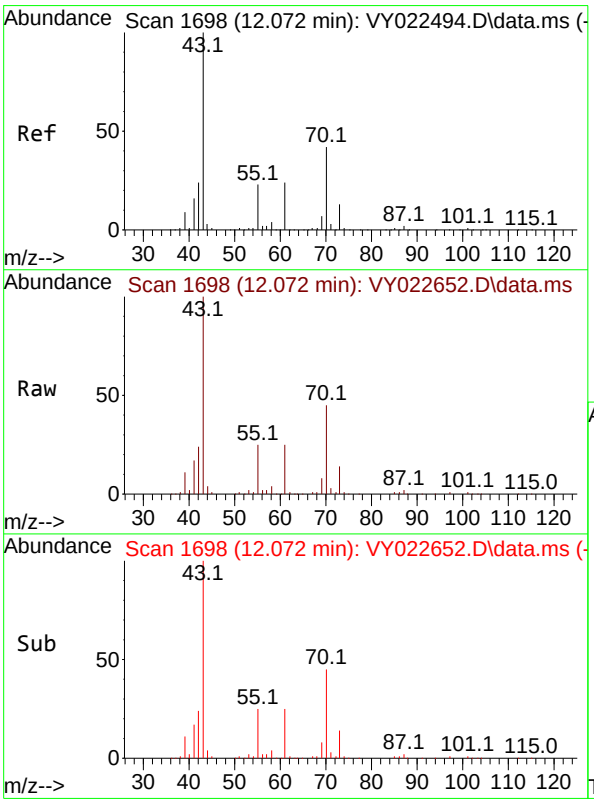
#73
Isopropylbenzene
Concen: 51.212 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 449360

Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.0	38.9

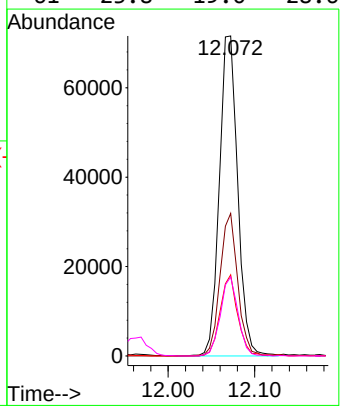


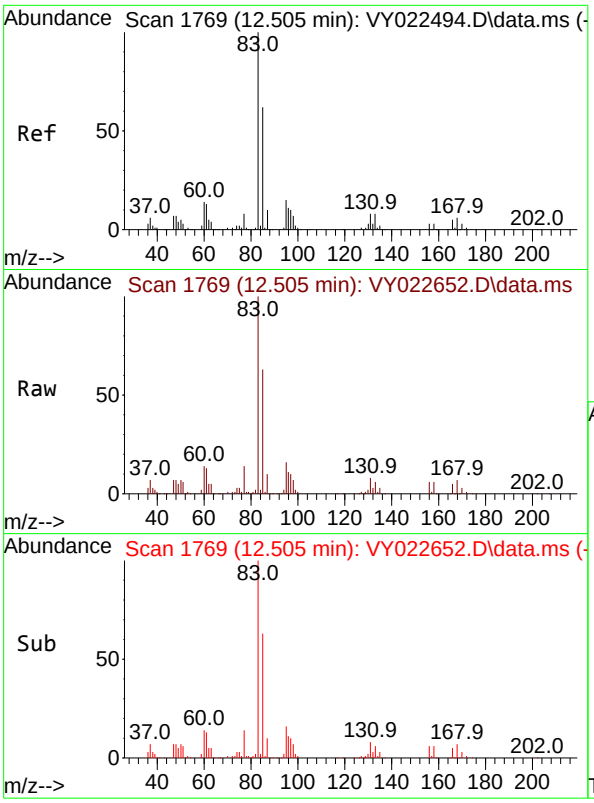


#74
N-amyl acetate
Concen: 47.644 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 43 Resp: 105483

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.2	51.2
55	24.5	18.2	27.4
61	23.8	19.0	28.6



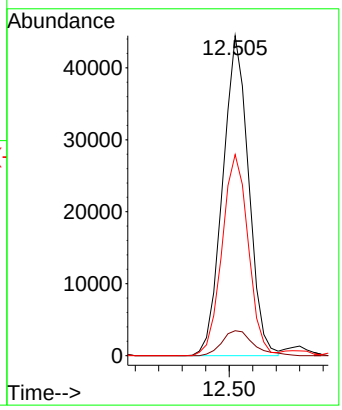


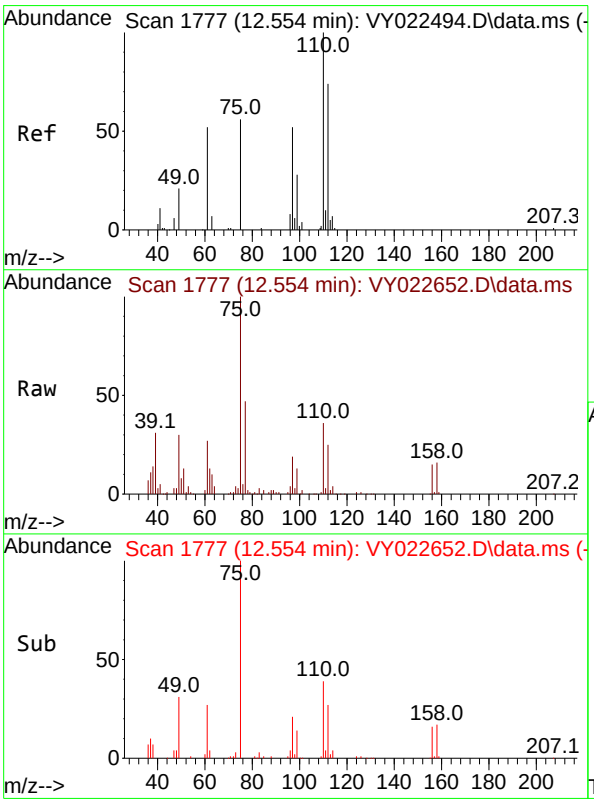
#75
1,1,2,2-Tetrachloroethane
Concen: 47.263 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 68065

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.6	32.6	97.8

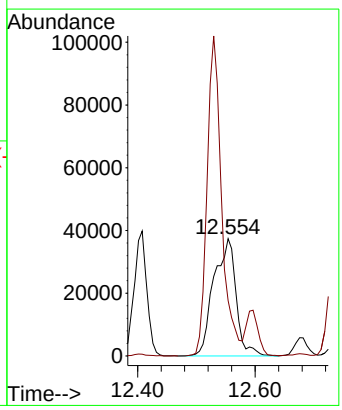


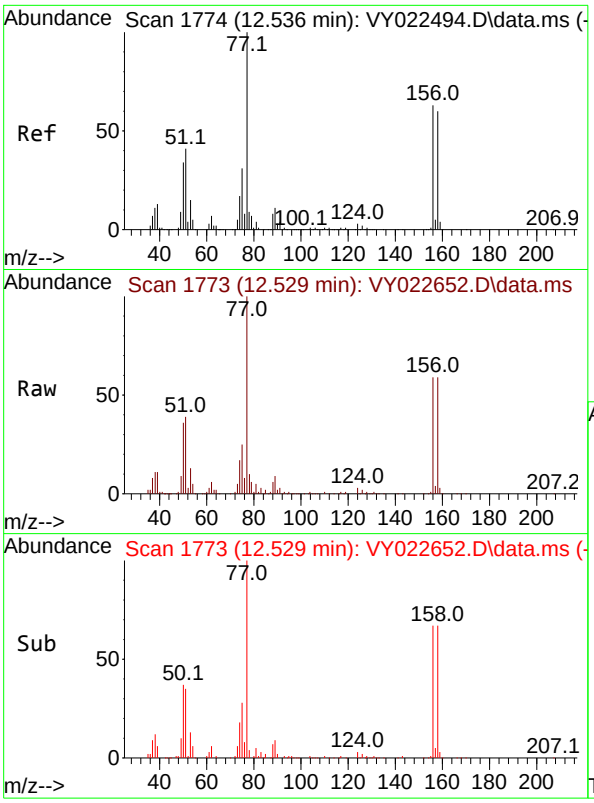


#76
1,2,3-Trichloropropane
Concen: 80.860 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 98867

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



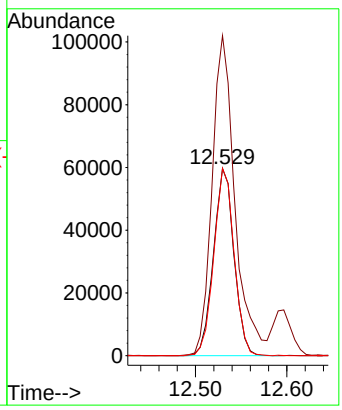


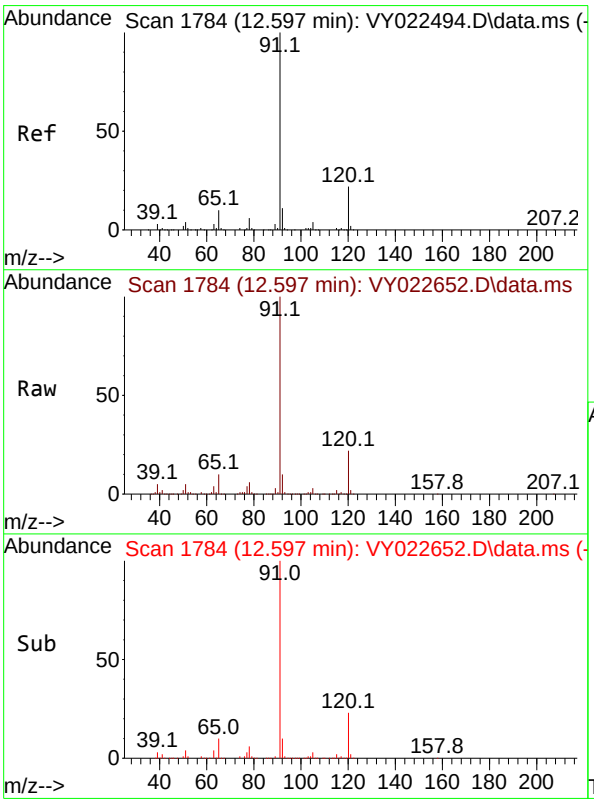
#77
Bromobenzene
Concen: 50.220 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 92990

Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.0	282.1
158	98.9	48.2	144.6

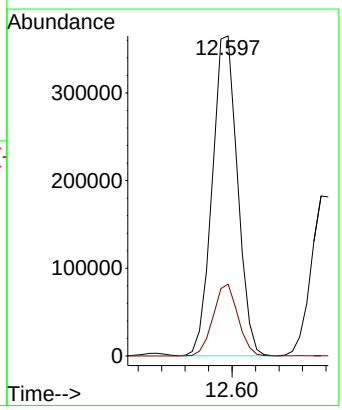


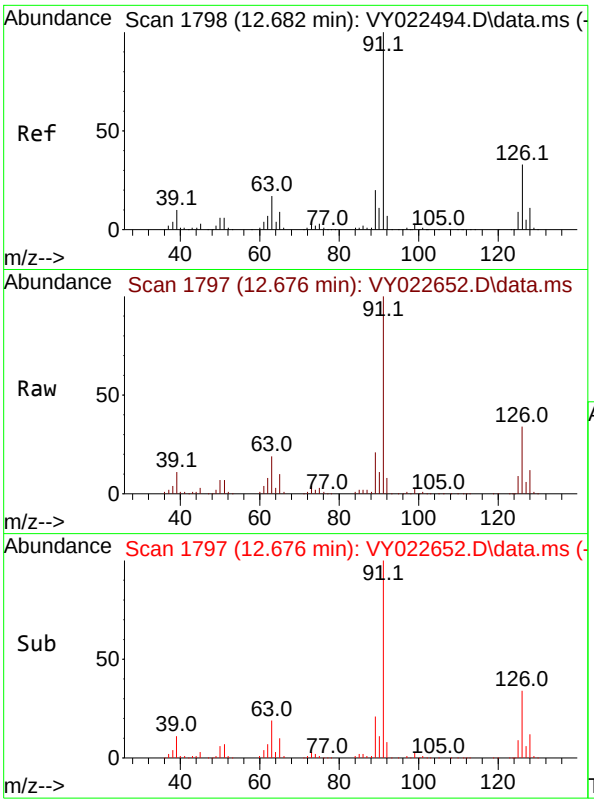


#78
n-propylbenzene
Concen: 50.847 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 544933

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



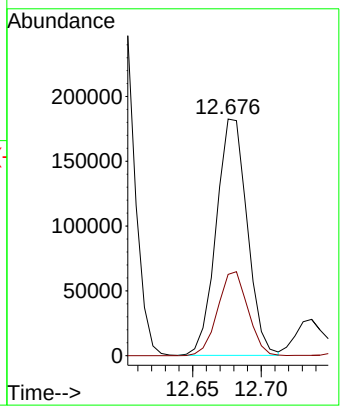


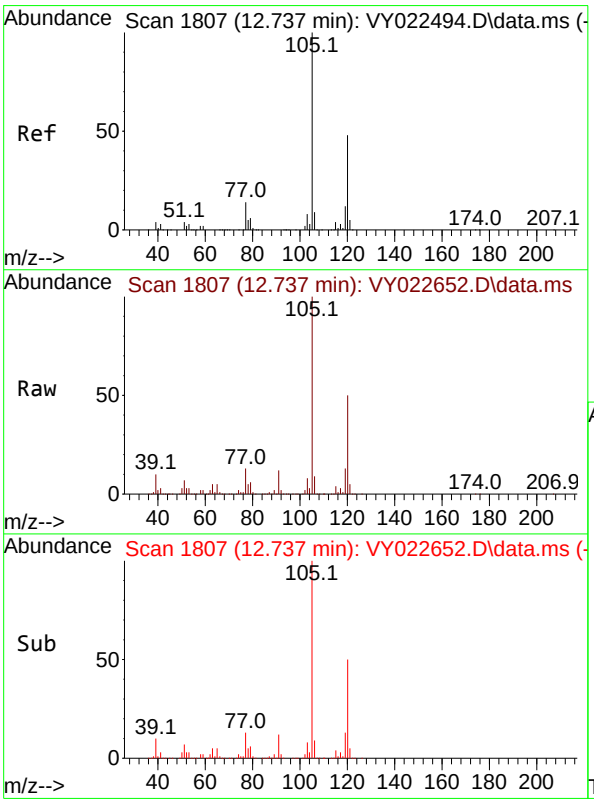
#79
2-Chlorotoluene
Concen: 50.518 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 286949

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0

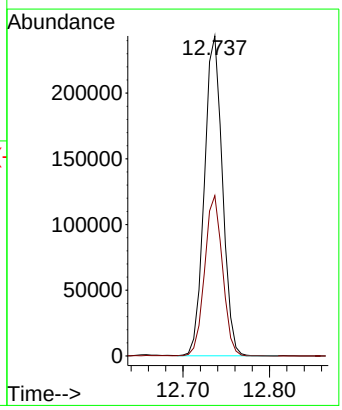


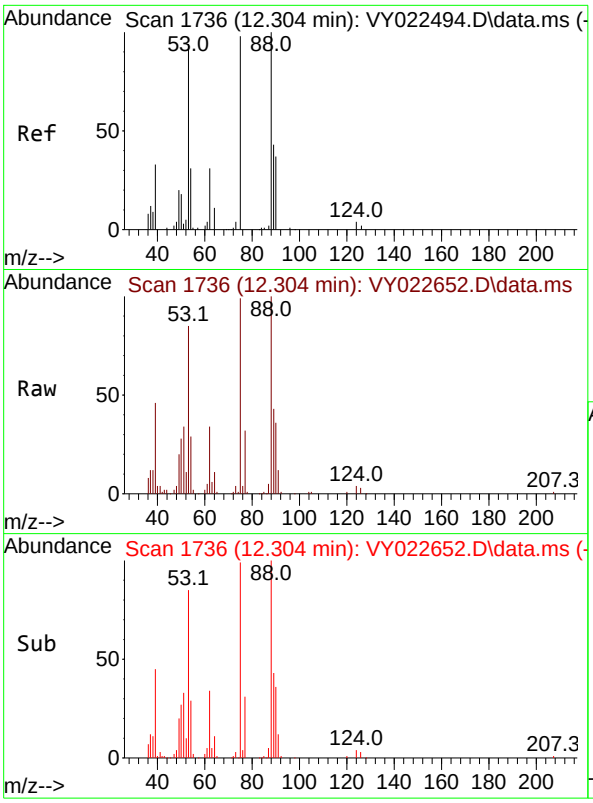


#80
1,3,5-Trimethylbenzene
Concen: 51.032 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:105 Resp: 351549

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.1	72.4



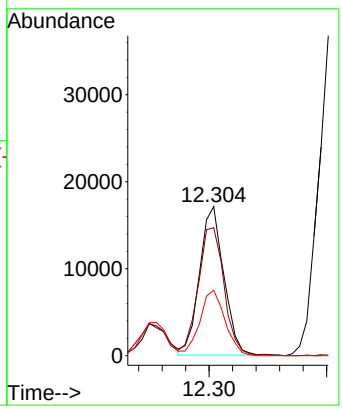


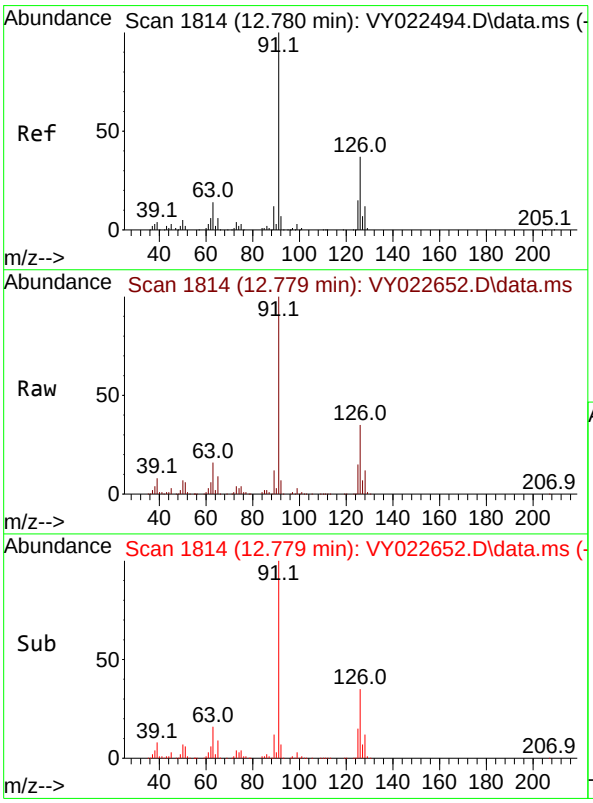
#81
trans-1,4-Dichloro-2-butene
Concen: 48.473 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 24542

Ion	Ratio	Lower	Upper
75	100		
53	92.7	78.5	117.7
89	45.9	35.7	53.5

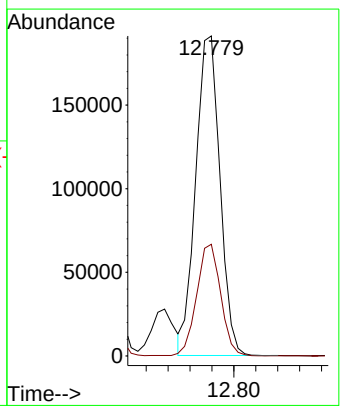


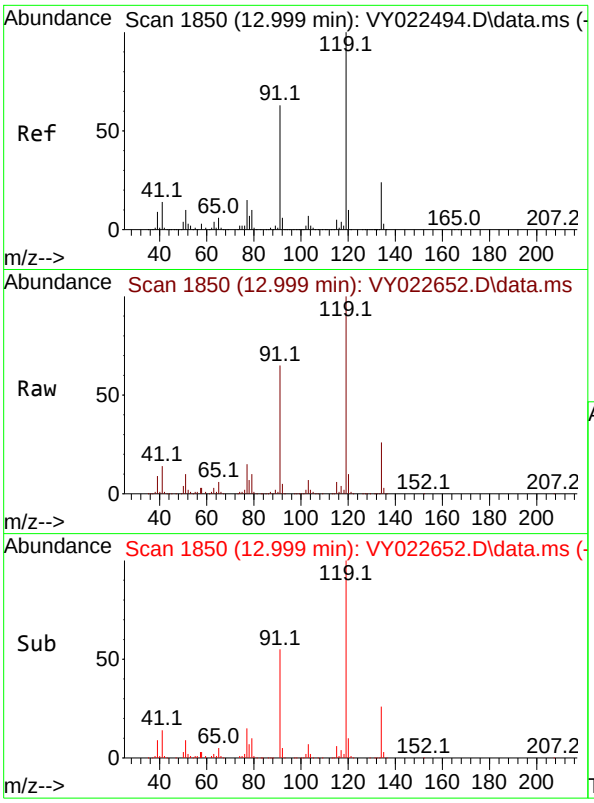


#82
4-Chlorotoluene
Concen: 50.043 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 91 Resp: 293231

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	50.9



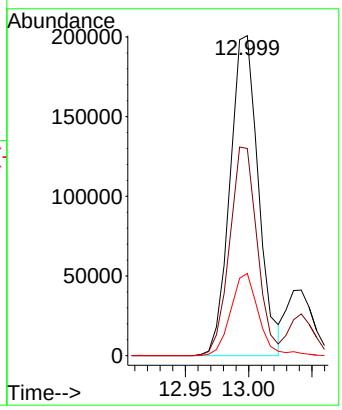


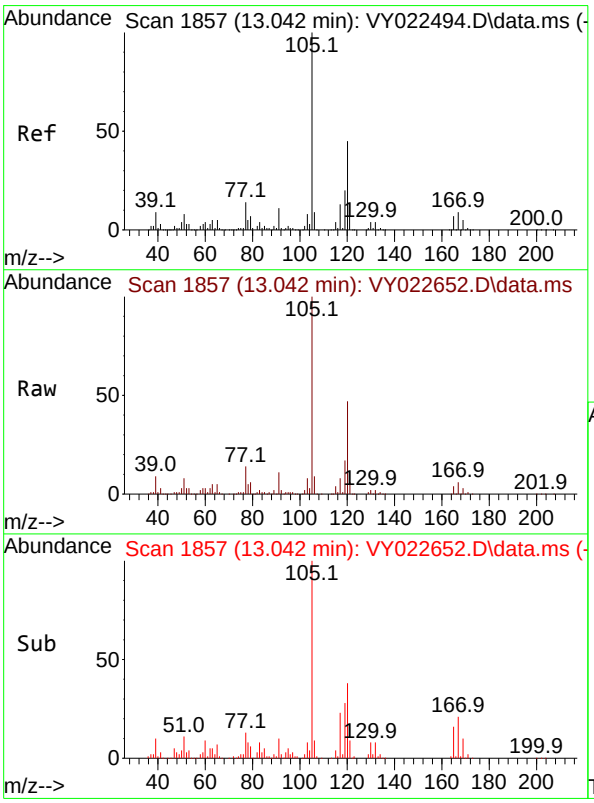
#83
tert-Butylbenzene
Concen: 50.858 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 314442

Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.1	96.3
134	25.3	13.0	38.9

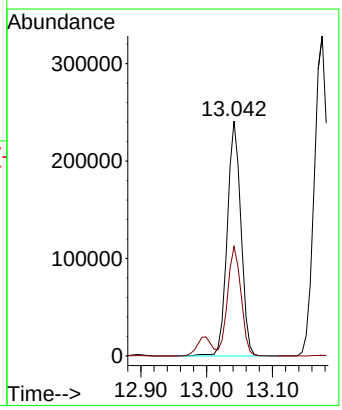


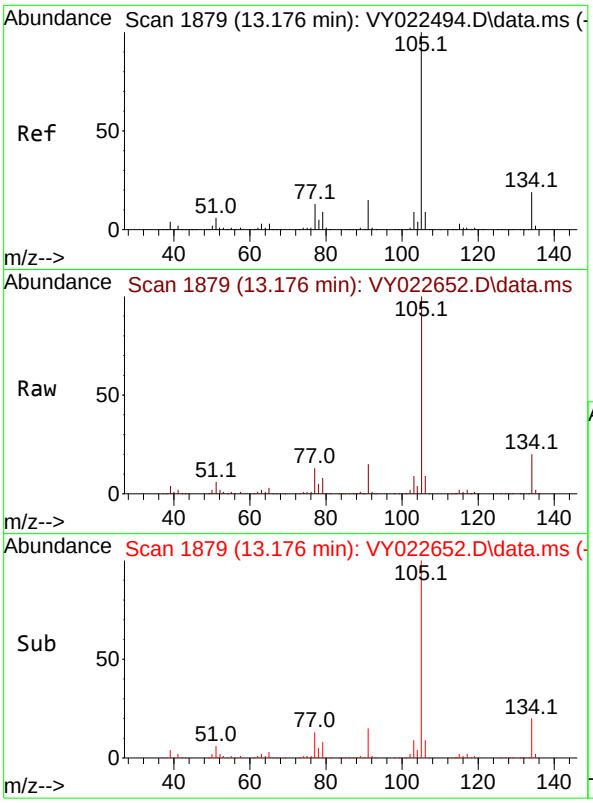


#84
1,2,4-Trimethylbenzene
Concen: 50.520 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:105 Resp: 348078

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1



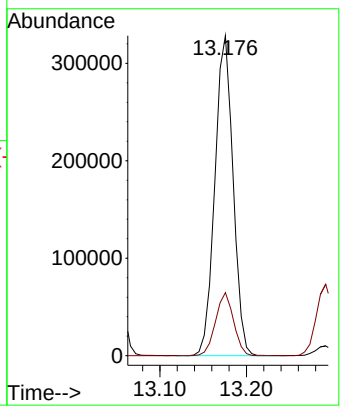


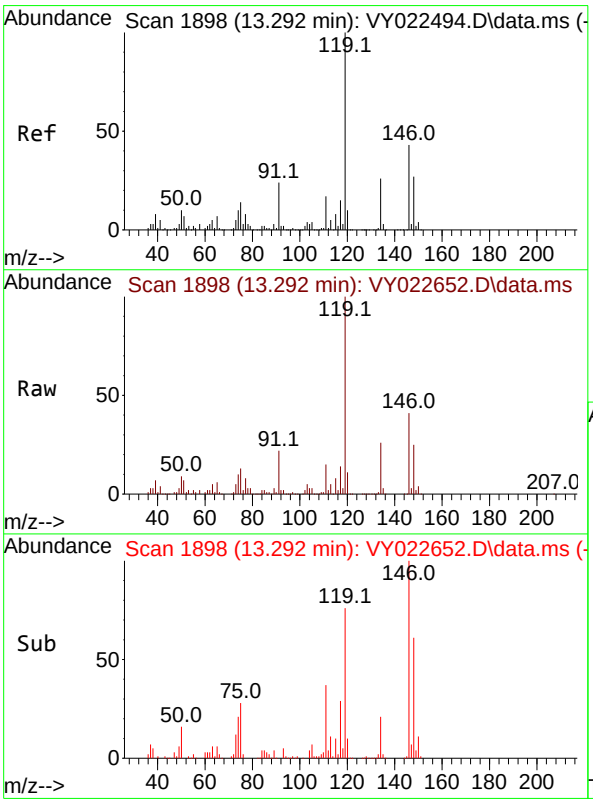
#85
sec-Butylbenzene
Concen: 50.596 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 479100

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9

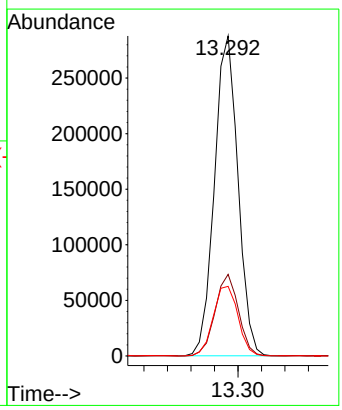


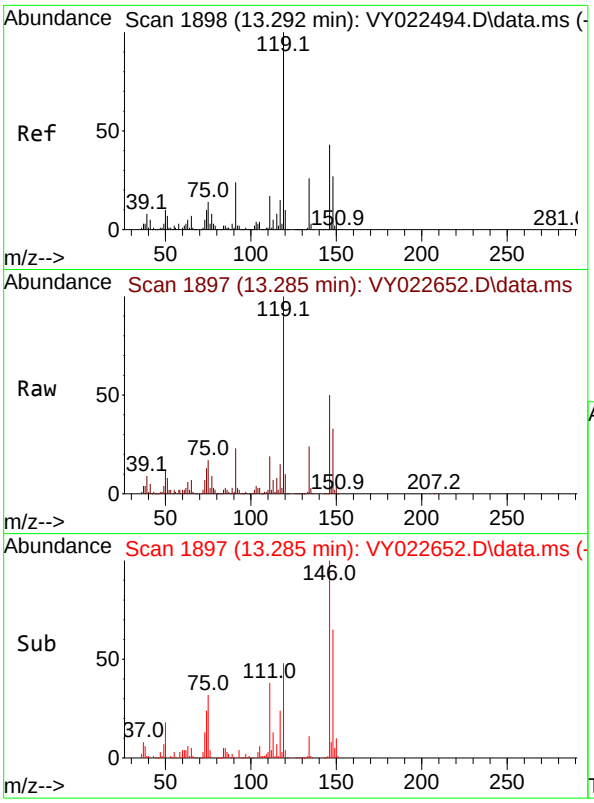


#86
p-Isopropyltoluene
Concen: 51.264 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:119 Resp: 400127

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.1
91	22.9	11.6	34.8



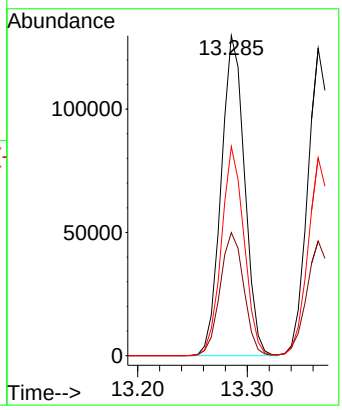


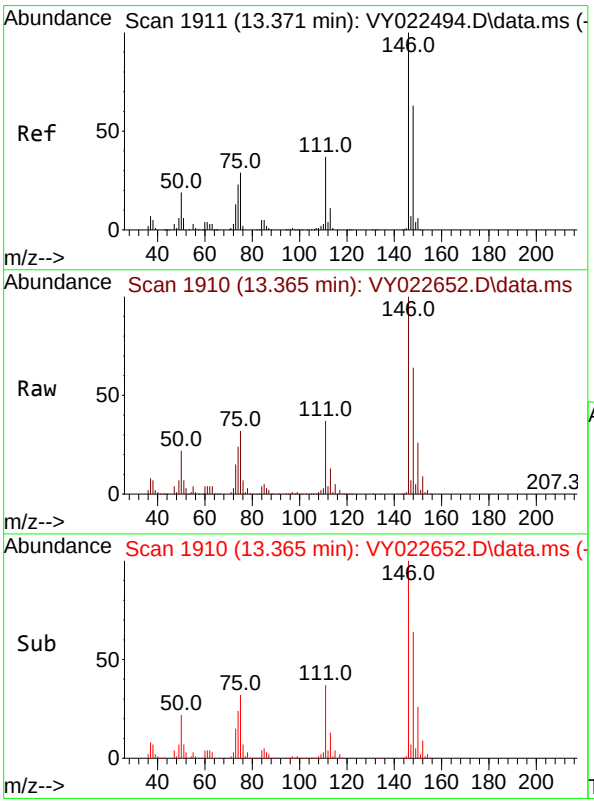
#87
1,3-Dichlorobenzene
Concen: 51.355 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 192662

Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.1	60.2
148	63.3	32.1	96.3

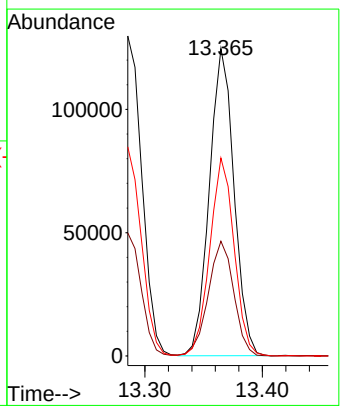


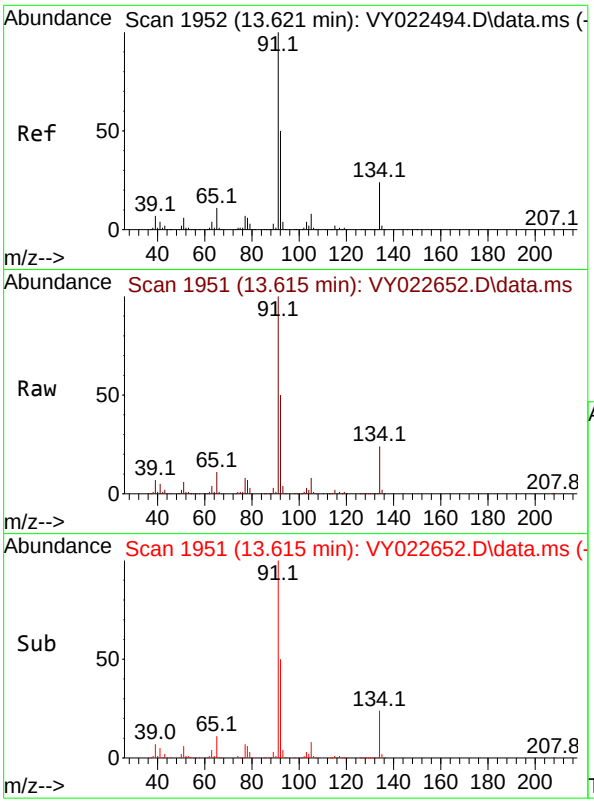


#88
1,4-Dichlorobenzene
Concen: 49.953 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:146 Resp: 181764

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.7	31.6	94.8



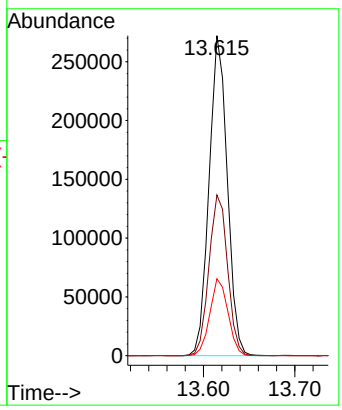


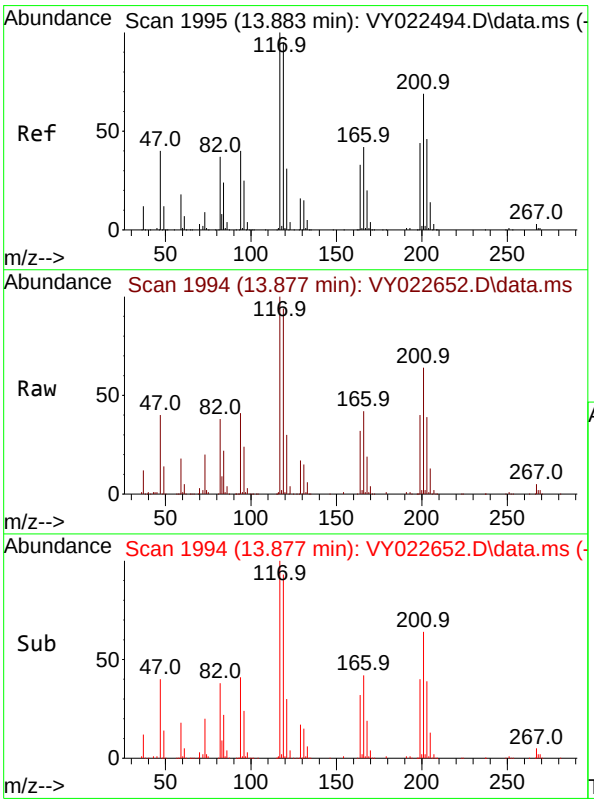
#89
n-Butylbenzene
Concen: 50.734 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 375701

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	24.1	12.0	36.1

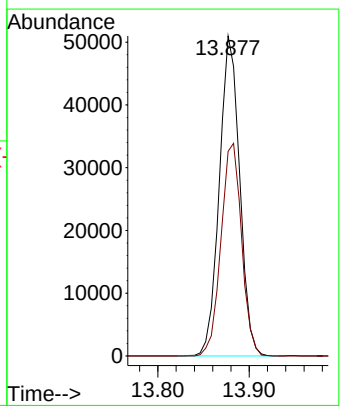


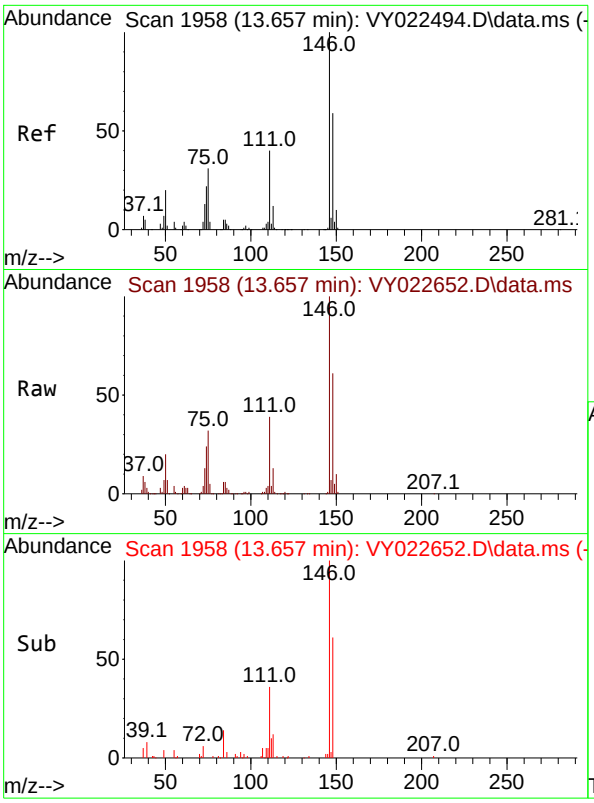


#90
Hexachloroethane
Concen: 51.856 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:117 Resp: 78797

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.0	102.0



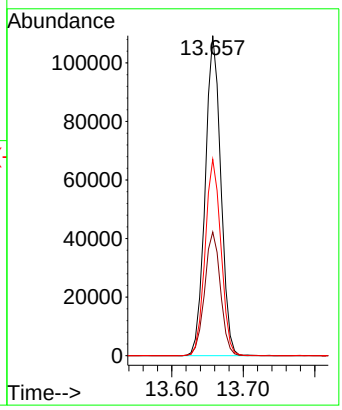


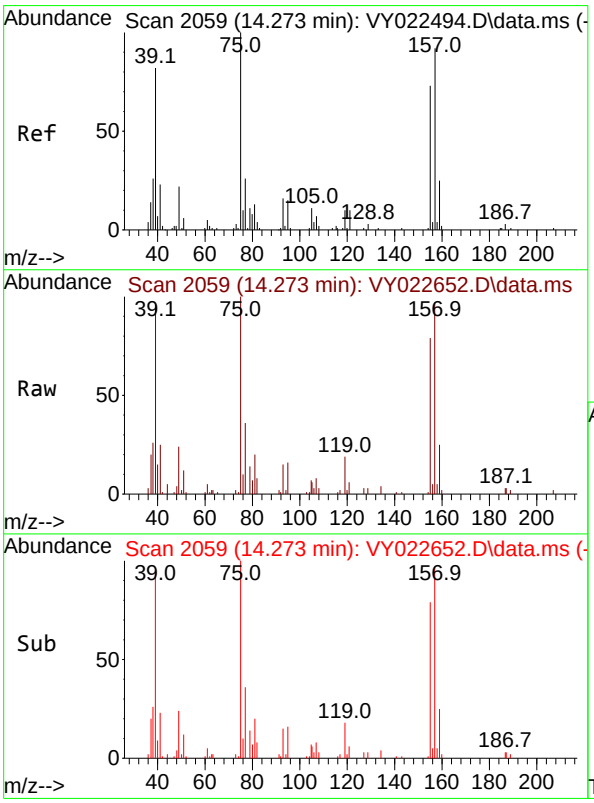
#91
1,2-Dichlorobenzene
Concen: 51.900 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 165313

Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.2	60.6
148	62.2	31.4	94.0

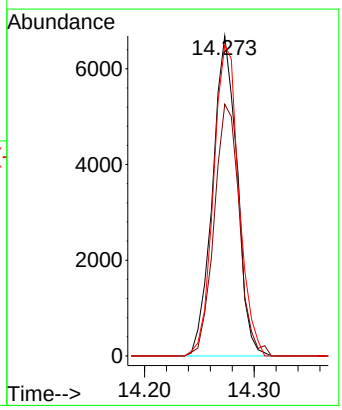


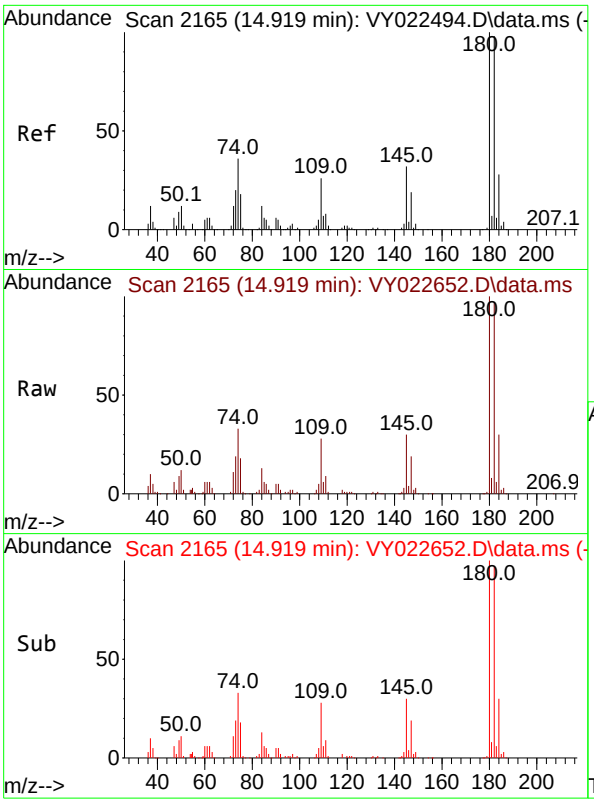


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.472 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion: 75 Resp: 10373

Ion	Ratio	Lower	Upper
75	100		
155	81.0	39.9	119.6
157	100.5	54.0	162.0



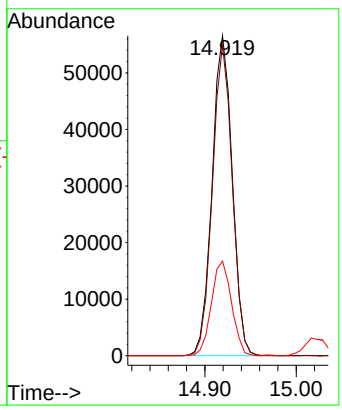


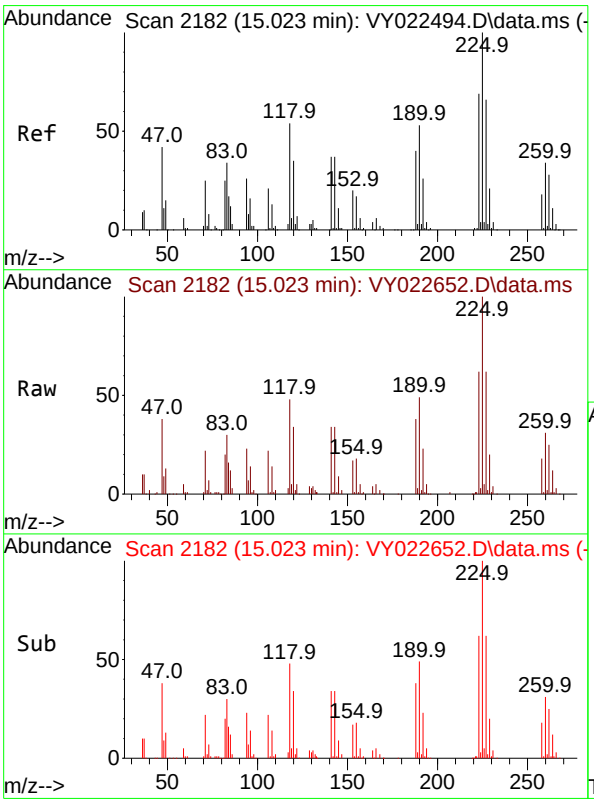
#93
1,2,4-Trichlorobenzene
Concen: 49.755 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 86435

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.3
145	29.7	15.5	46.5

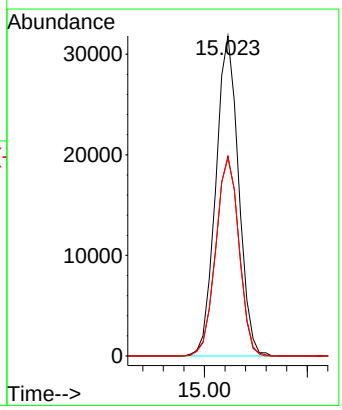


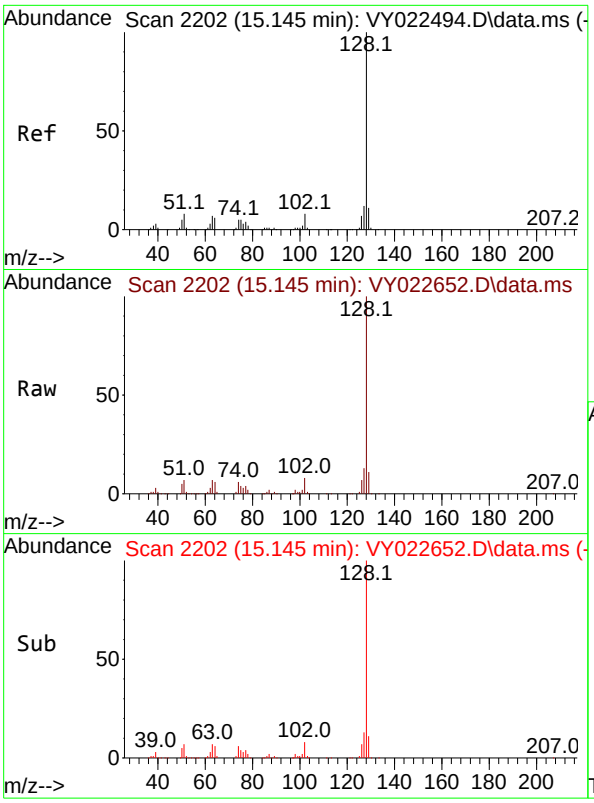


#94
Hexachlorobutadiene
Concen: 50.999 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:225 Resp: 48899

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	63.1	32.3	96.9



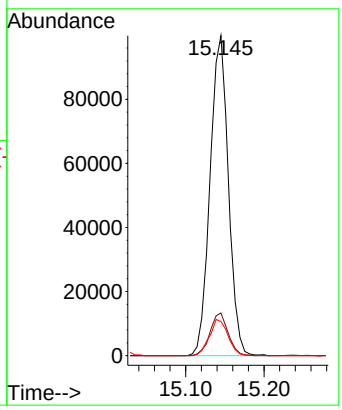


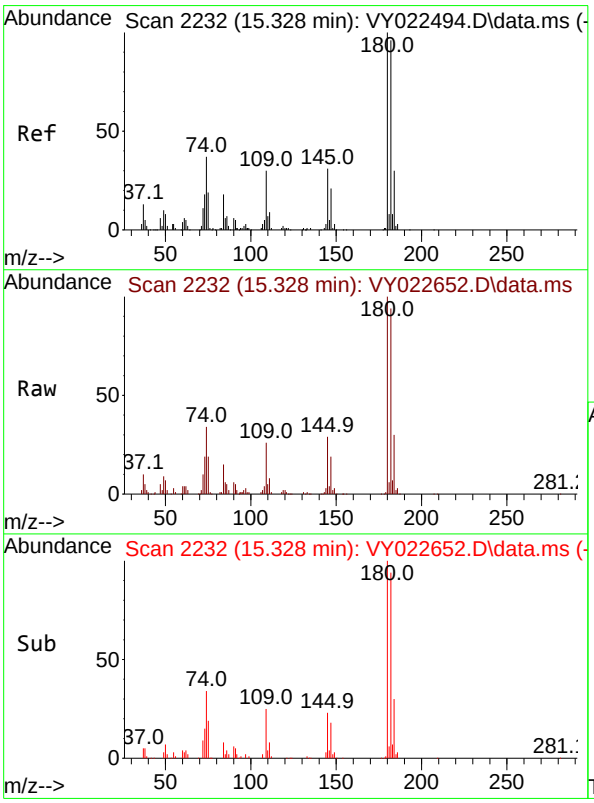
#95
Naphthalene
Concen: 48.688 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 162310

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.4	8.9	13.3

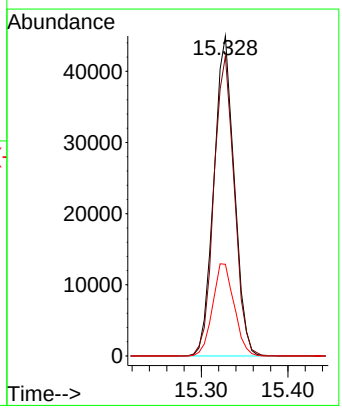




#96
1,2,3-Trichlorobenzene
Concen: 49.319 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022652.D
Acq: 11 Jun 2025 09:59

Tgt Ion:180 Resp: 73426

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	30.5	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	218934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90043	52.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.300%			
35) Dibromofluoromethane	7.634	113	83823	53.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.103	98	341908	53.850	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.408	95	96721	51.128	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	30354	21.962	ug/l	97
3) Chloromethane	2.068	50	78092	19.125	ug/l	100
4) Vinyl Chloride	2.202	62	107977	22.795	ug/l	97
5) Bromomethane	2.592	94	102939	22.674	ug/l	96
6) Chloroethane	2.732	64	78962	24.287	ug/l	94
7) Trichlorofluoromethane	3.050	101	97294	24.195	ug/l	100
8) Diethyl Ether	3.458	74	18737	20.690	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	37387	22.075	ug/l	99
10) Methyl Iodide	4.007	142	34979	19.085	ug/l	99
11) Tert butyl alcohol	4.872	59	11478	93.074	ug/l	95
12) 1,1-Dichloroethene	3.793	96	34837	21.519	ug/l	98
13) Acrolein	3.653	56	11458	74.553	ug/l	100
14) Allyl chloride	4.385	41	50615	19.916	ug/l	99
15) Acrylonitrile	5.055	53	37482	97.728	ug/l	99
16) Acetone	3.873	43	50425	143.804	ug/l	98
17) Carbon Disulfide	4.110	76	105733	20.400	ug/l	98
18) Methyl Acetate	4.391	43	19500	18.779	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	89130	19.547	ug/l	97
20) Methylene Chloride	4.616	84	44974	22.579	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	39120	21.591	ug/l	84
22) Diisopropyl ether	6.018	45	116438	20.583	ug/l	94
23) Vinyl Acetate	5.964	43	319453	95.409	ug/l	99
24) 1,1-Dichloroethane	5.915	63	71477	21.448	ug/l	99
25) 2-Butanone	6.896	43	59179	117.002	ug/l	100
26) 2,2-Dichloropropane	6.890	77	64822	22.014	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	45115	21.542	ug/l	99
28) Bromochloromethane	7.244	49	29937	20.607	ug/l	100
29) Tetrahydrofuran	7.268	42	30329	92.970	ug/l	98
30) Chloroform	7.421	83	73510	22.269	ug/l	97
31) Cyclohexane	7.701	56	65893	19.860	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	65077	22.208	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54754	21.470	ug/l	99
37) Ethyl Acetate	6.988	43	21286	18.716	ug/l	94
38) Carbon Tetrachloride	7.817	117	55534	21.227	ug/l	99
39) Methylcyclohexane	9.109	83	68109	19.873	ug/l	98
40) Benzene	8.079	78	159964	21.236	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	12140	18.275 ug/l	95
42) 1,2-Dichloroethane	8.158	62	43385	21.094 ug/l	97
43) Isopropyl Acetate	8.201	43	45086	18.355 ug/l	99
44) Trichloroethene	8.866	130	41172	22.364 ug/l	98
45) 1,2-Dichloropropane	9.140	63	38468	21.609 ug/l	99
46) Dibromomethane	9.231	93	21136	21.104 ug/l	99
47) Bromodichloromethane	9.420	83	54018	21.271 ug/l	98
48) Methyl methacrylate	9.219	41	21337	18.509 ug/l	96
49) 1,4-Dioxane	9.231	88	4404	371.176 ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	114346	93.372 ug/l	99
52) Toluene	10.170	92	99726	21.067 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	47853	20.111 ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	56976	20.571 ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	26608	20.835 ug/l	97
56) Ethyl methacrylate	10.438	69	33681	18.248 ug/l	98
57) 1,3-Dichloropropane	10.719	76	46820	20.685 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	81714	97.509 ug/l	99
59) 2-Hexanone	10.762	43	85059	103.855 ug/l	99
60) Dibromochloromethane	10.914	129	32871	20.254 ug/l	99
61) 1,2-Dibromoethane	11.018	107	23589	20.266 ug/l	99
64) Tetrachloroethene	10.646	164	46718	24.806 ug/l	96
65) Chlorobenzene	11.438	112	104666	21.604 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	34342	21.042 ug/l	99
67) Ethyl Benzene	11.517	91	185737	20.670 ug/l	97
68) m/p-Xylenes	11.627	106	143316	42.072 ug/l	98
69) o-Xylene	11.956	106	66721	20.891 ug/l	100
70) Styrene	11.969	104	106861	20.241 ug/l	99
71) Bromoform	12.133	173	16640	19.160 ug/l #	100
73) Isopropylbenzene	12.255	105	174297	20.133 ug/l	100
74) N-amyl acetate	12.072	43	38545	17.646 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	25003	17.597 ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	38937	32.277 ug/l #	100
77) Bromobenzene	12.530	156	37602	20.583 ug/l	97
78) n-propylbenzene	12.597	91	215383	20.369 ug/l	99
79) 2-Chlorotoluene	12.676	91	112124	20.007 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	139655	20.548 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	8871	17.758 ug/l	98
82) 4-Chlorotoluene	12.779	91	116584	20.166 ug/l	98
83) tert-Butylbenzene	12.999	119	124991	20.490 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	137643	20.248 ug/l	99
85) sec-Butylbenzene	13.176	105	192733	20.630 ug/l	100
86) p-Isopropyltoluene	13.292	119	155523	20.196 ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	75686	20.448 ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	73268	20.409 ug/l	98
89) n-Butylbenzene	13.615	91	151386	20.720 ug/l	99
90) Hexachloroethane	13.877	117	30995	20.674 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	63879	20.327 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3788	18.311 ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	36161	21.098 ug/l	98
94) Hexachlorobutadiene	15.023	225	21601	22.834 ug/l	95
95) Naphthalene	15.145	128	62008	18.852 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	30902	21.038 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

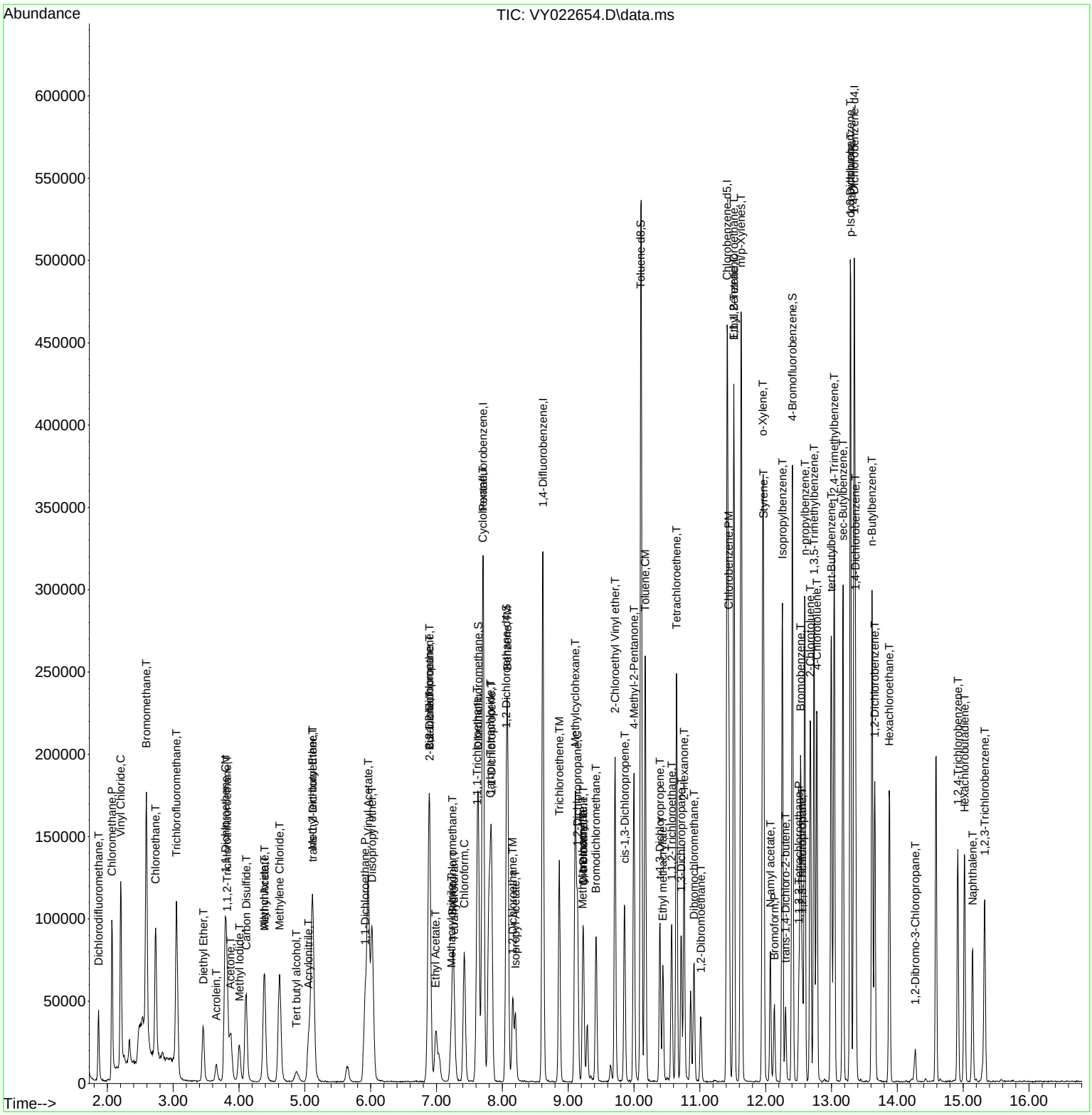
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

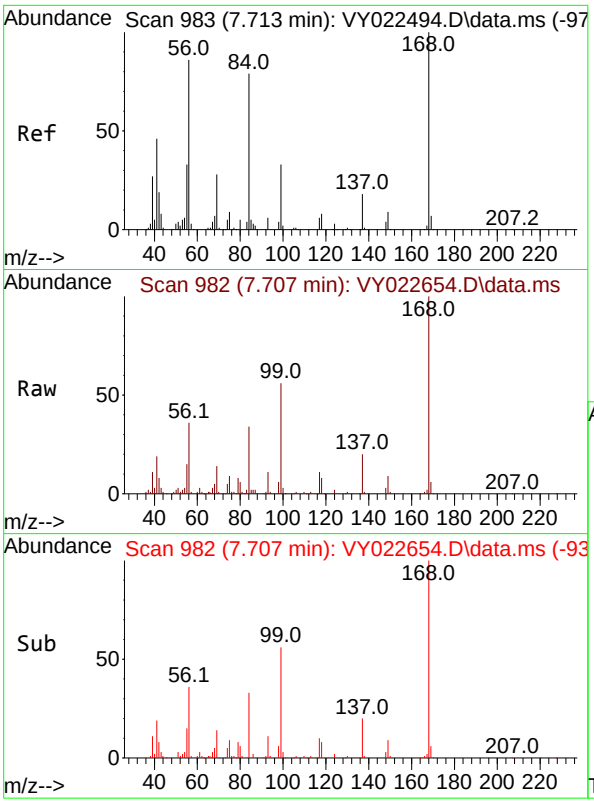
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022654.D
Acq On : 11 Jun 2025 11:01
Operator : SY/MD
Sample : VY0611SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Quant Time: Jun 12 05:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



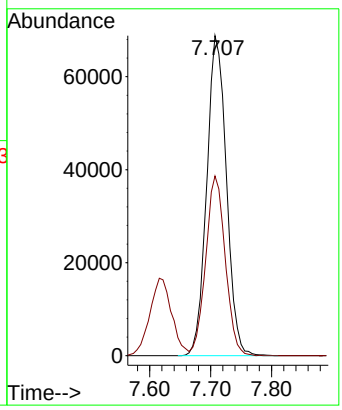


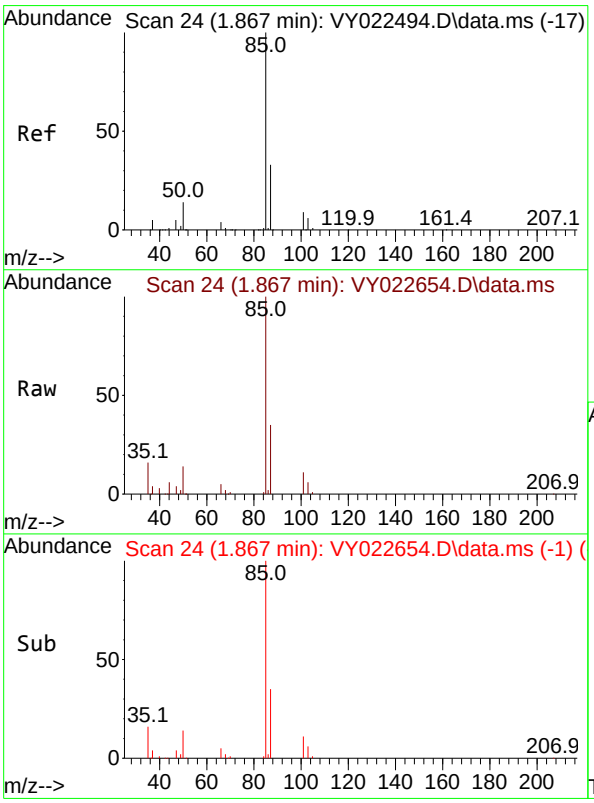
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:168 Resp: 154377

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

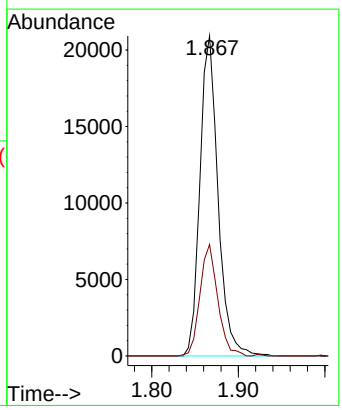


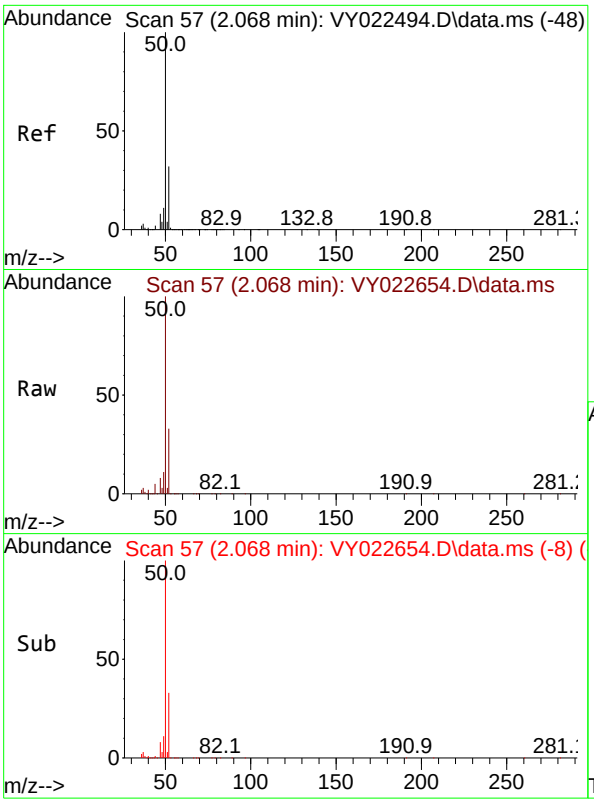


#2
Dichlorodifluoromethane
Concen: 21.962 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 85 Resp: 30354

Ion	Ratio	Lower	Upper
85	100		
87	34.9	16.7	50.0



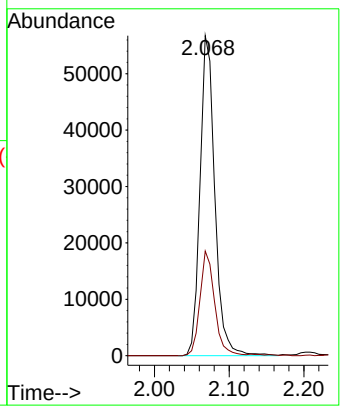


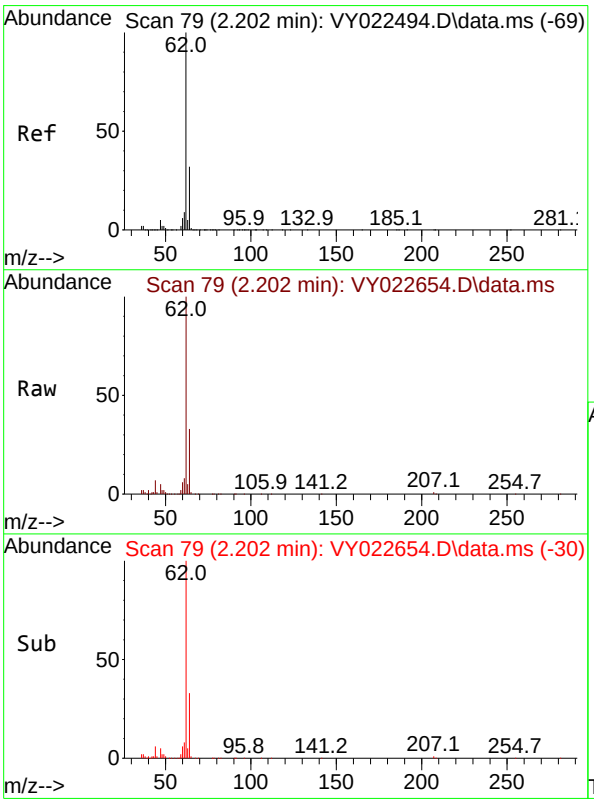
#3
Chloromethane
Concen: 19.125 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 50 Resp: 78092

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.0	39.0

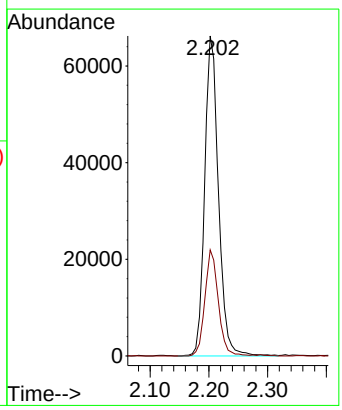


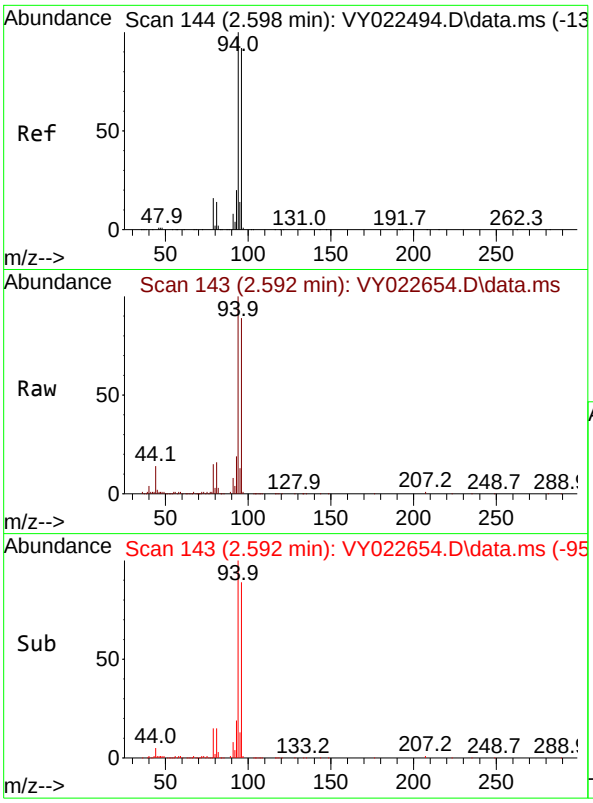


#4
Vinyl Chloride
Concen: 22.795 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 62 Resp: 107977

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.3	37.9



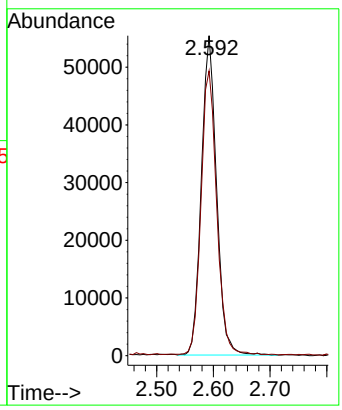


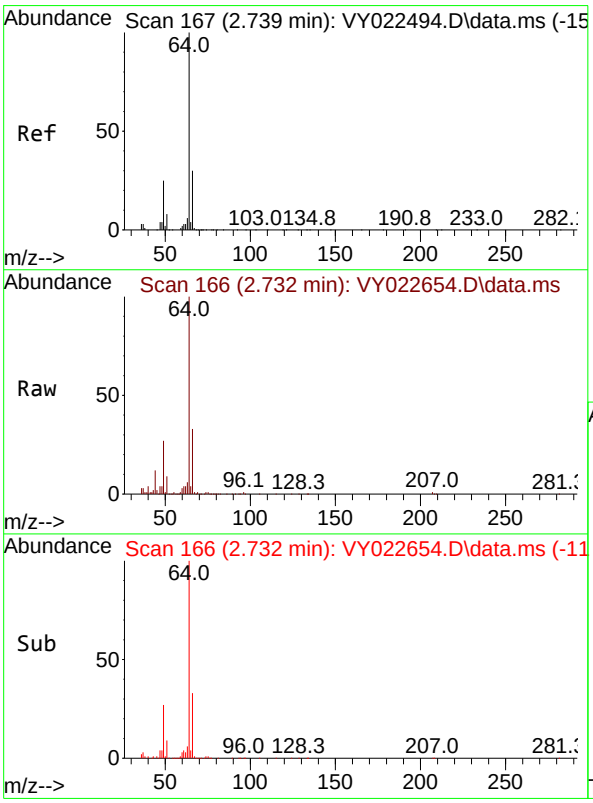
#5
Bromomethane
Concen: 22.674 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 94 Resp: 102939

Ion	Ratio	Lower	Upper
94	100		
96	88.9	74.0	111.0

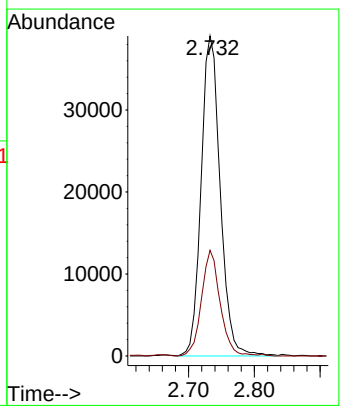


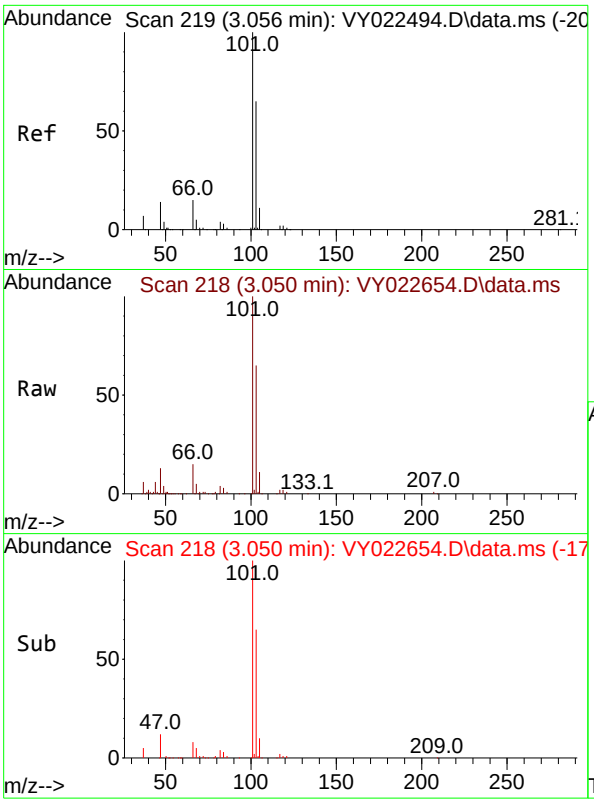


#6
Chloroethane
Concen: 24.287 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 64 Resp: 78962

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.8	35.6



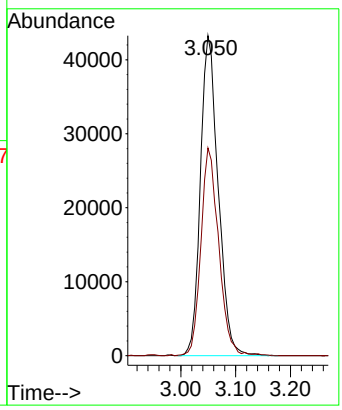


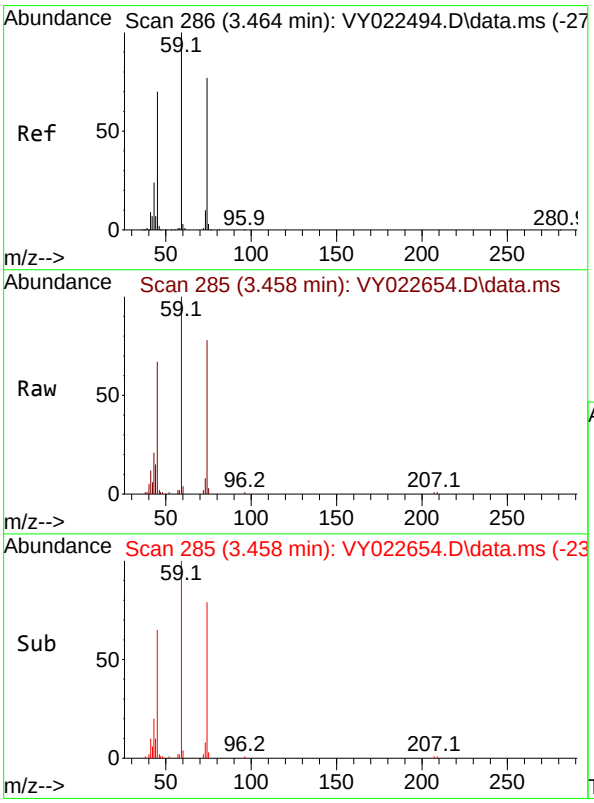
#7
Trichlorofluoromethane
Concen: 24.195 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:101 Resp: 97294

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

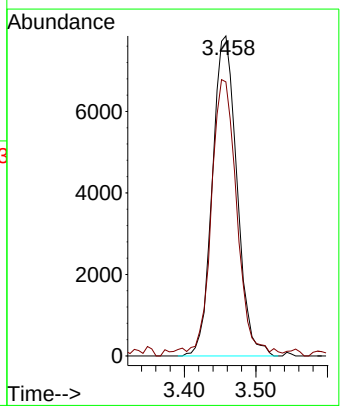


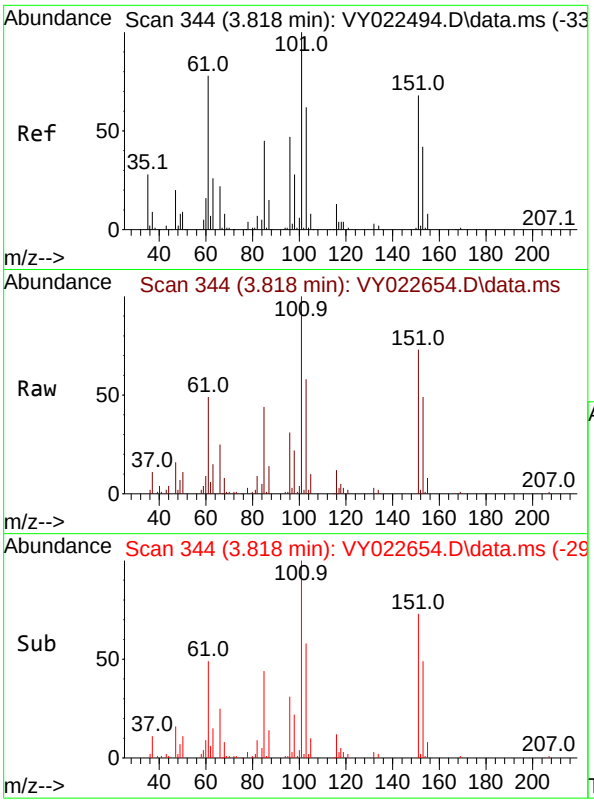


#8
Diethyl Ether
Concen: 20.690 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 74 Resp: 18737

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.9	137.6



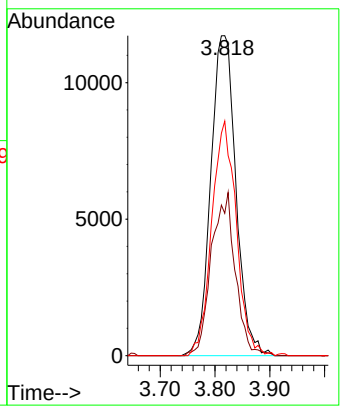


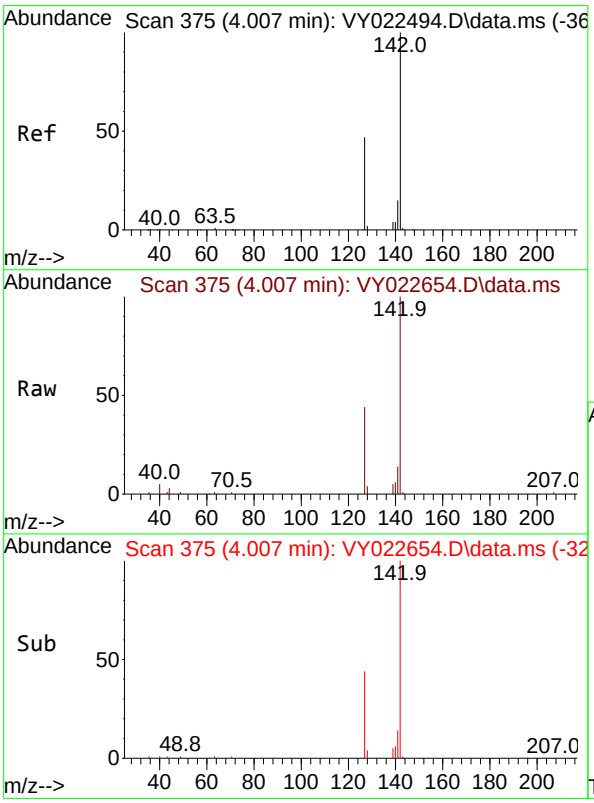
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.075 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:101 Resp: 37387

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.4	57.8	86.8

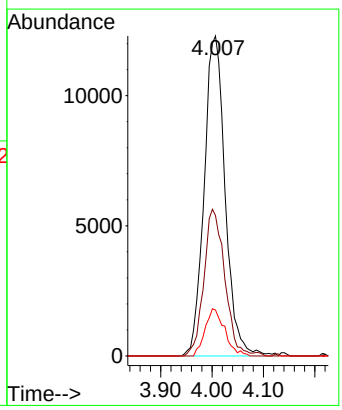


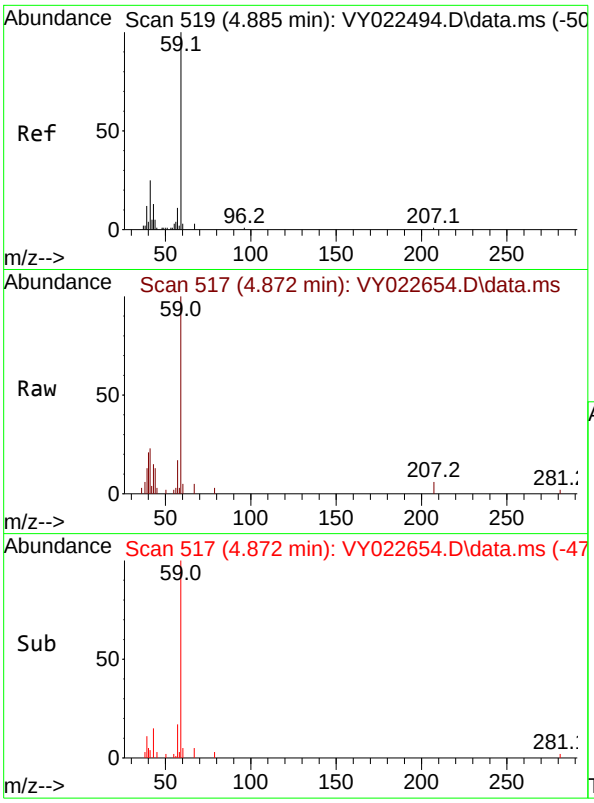


#10
Methyl Iodide
Concen: 19.085 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:142 Resp: 34979

Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.1	55.7
141	13.8	11.4	17.2



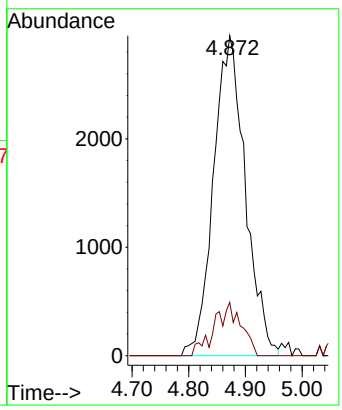


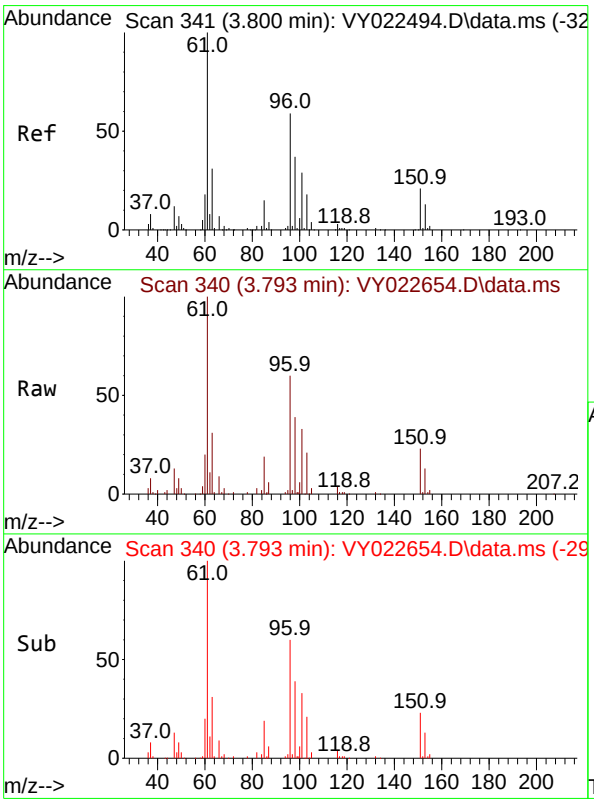
#11
Tert butyl alcohol
Concen: 93.074 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 59 Resp: 11478

Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.0	12.0

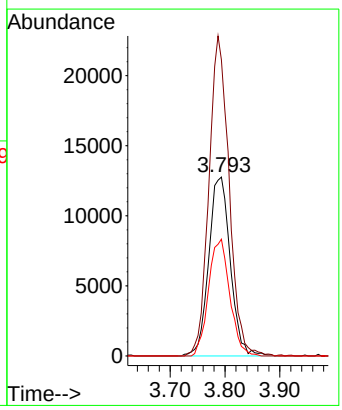


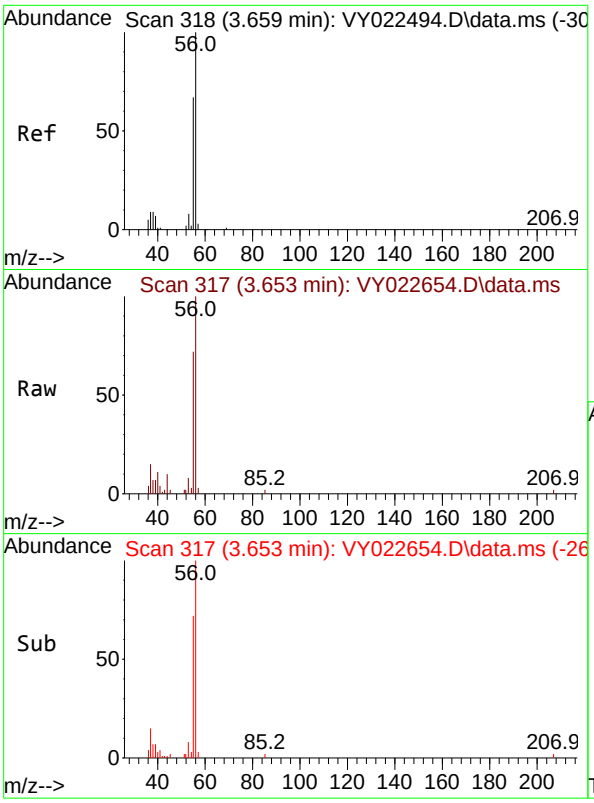


#12
1,1-Dichloroethene
Concen: 21.519 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 96 Resp: 34837

Ion	Ratio	Lower	Upper
96	100		
61	165.6	134.6	201.8
98	65.3	50.2	75.4



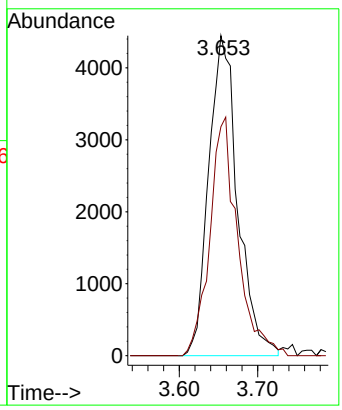


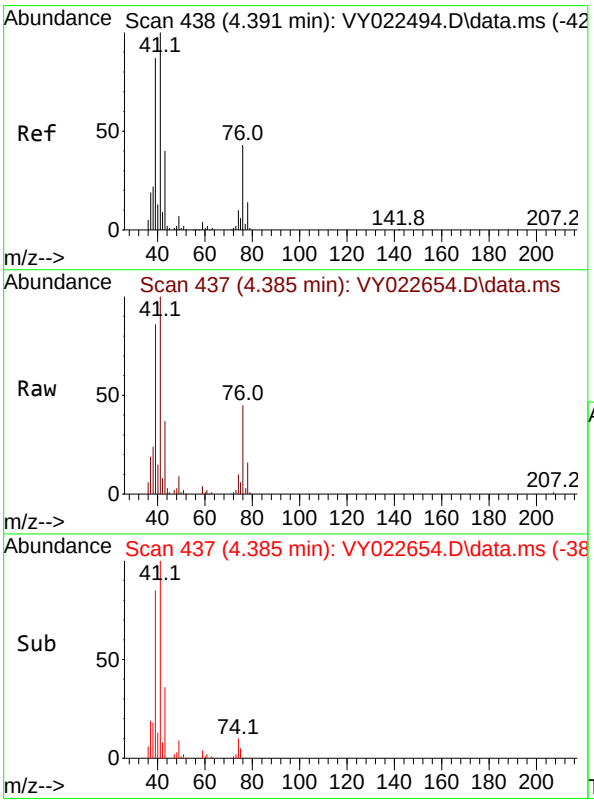
#13
Acrolein
Concen: 74.553 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 56 Resp: 11458

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6

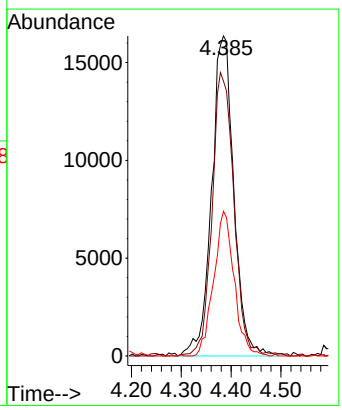


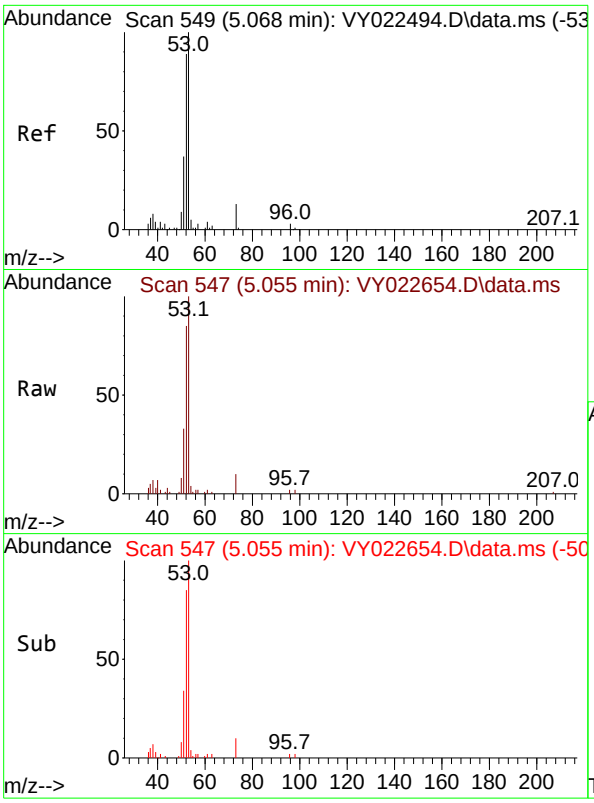


#14
Allyl chloride
Concen: 19.916 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 41 Resp: 50615

Ion	Ratio	Lower	Upper
41	100		
39	87.2	69.1	103.7
76	41.6	33.5	50.3



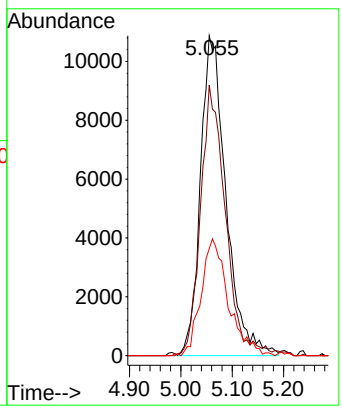


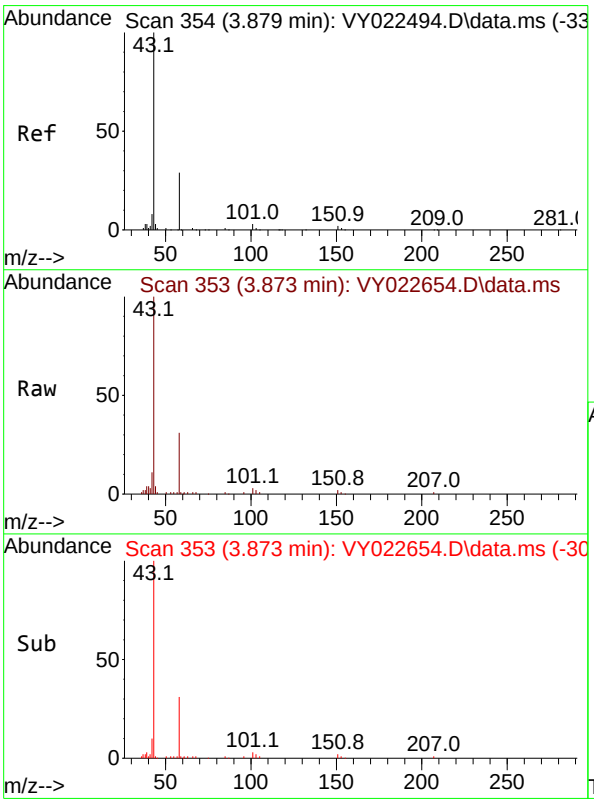
#15
Acrylonitrile
Concen: 97.728 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 53 Resp: 37482

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	39.1	30.1	45.1

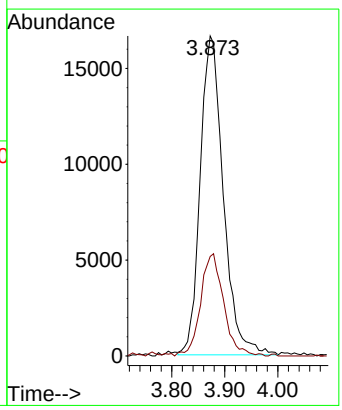


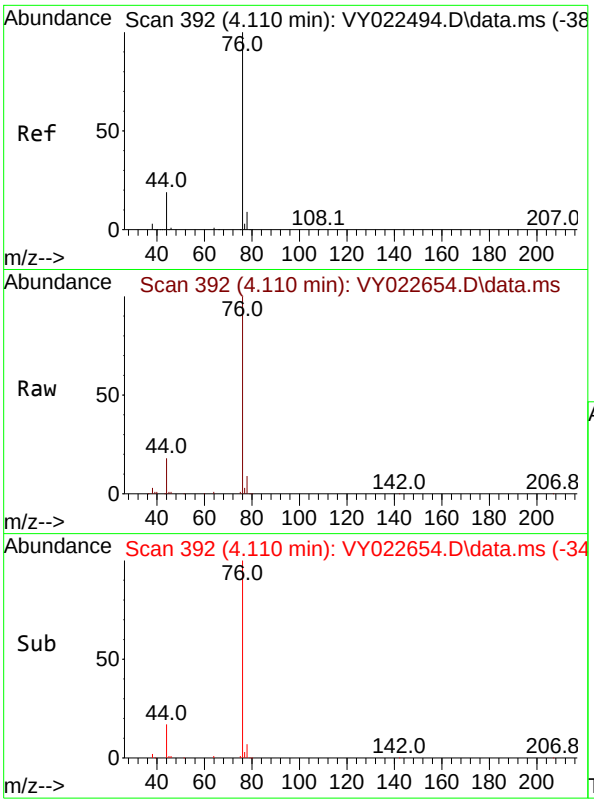


#16
Acetone
Concen: 143.804 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 50425

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.0	36.0



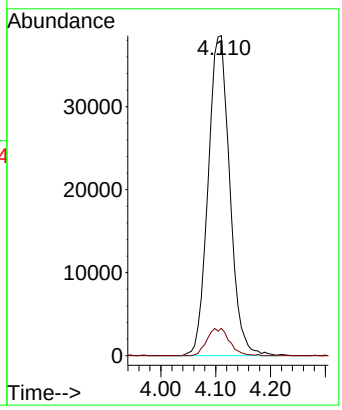


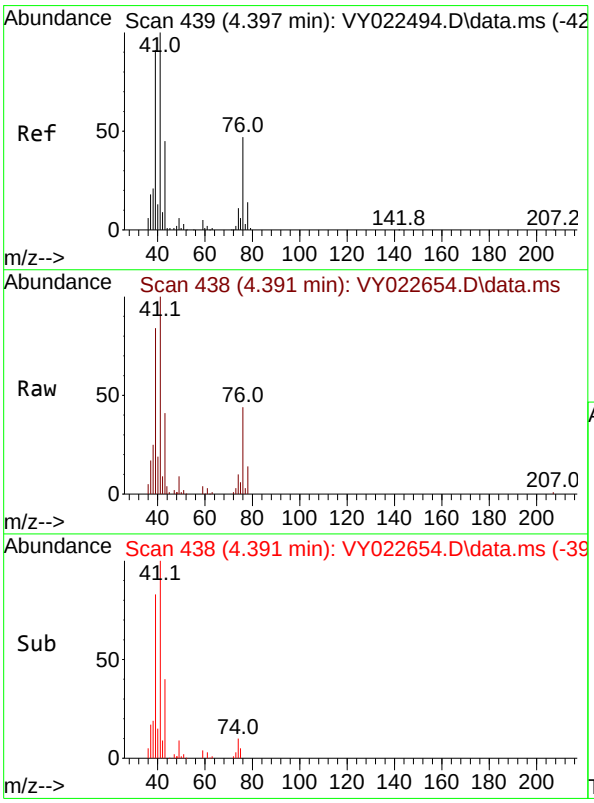
#17
Carbon Disulfide
Concen: 20.400 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 76 Resp: 105733

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

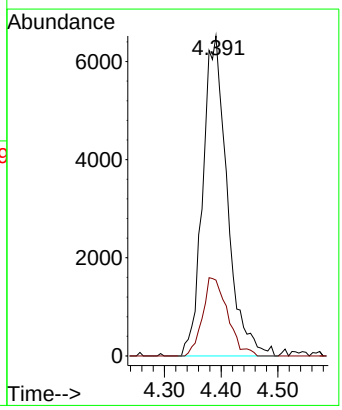


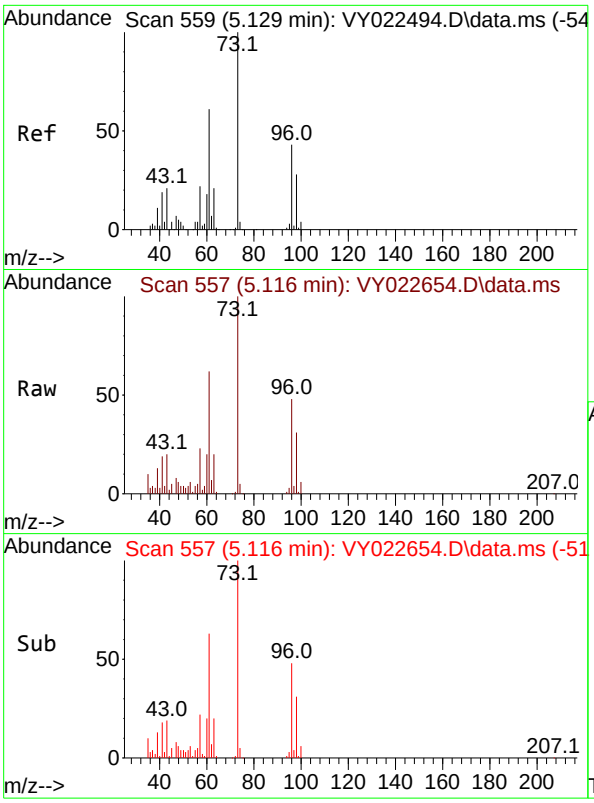


#18
Methyl Acetate
Concen: 18.779 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 19500

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.6



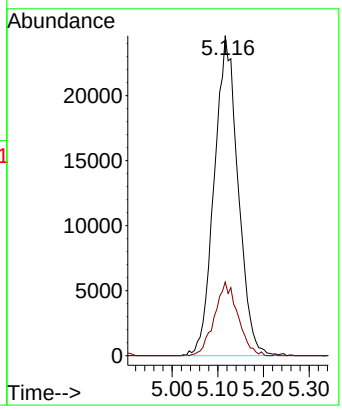


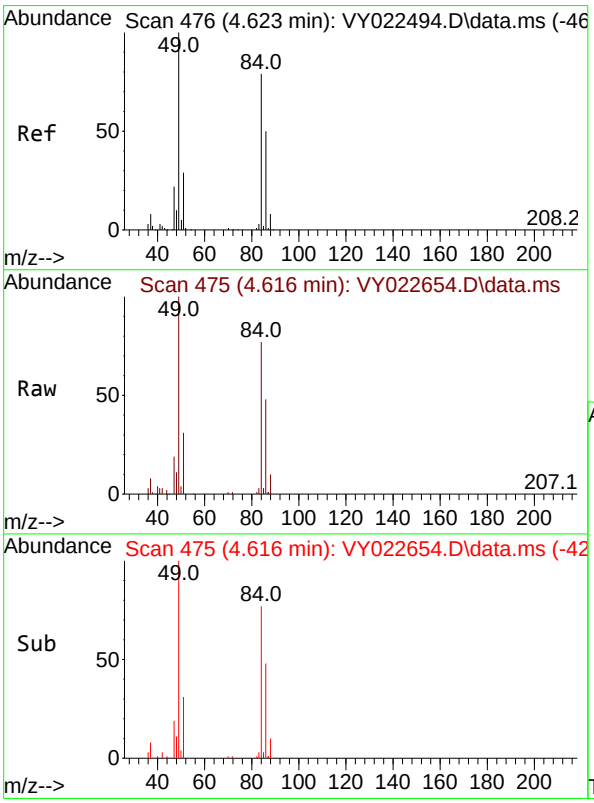
#19
Methyl tert-butyl Ether
Concen: 19.547 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 73 Resp: 89130

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0

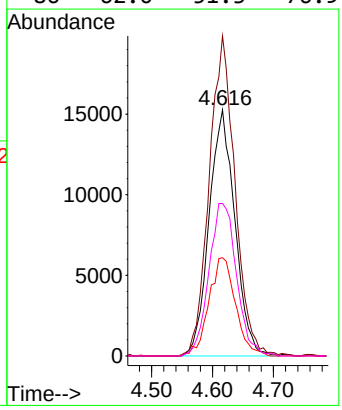


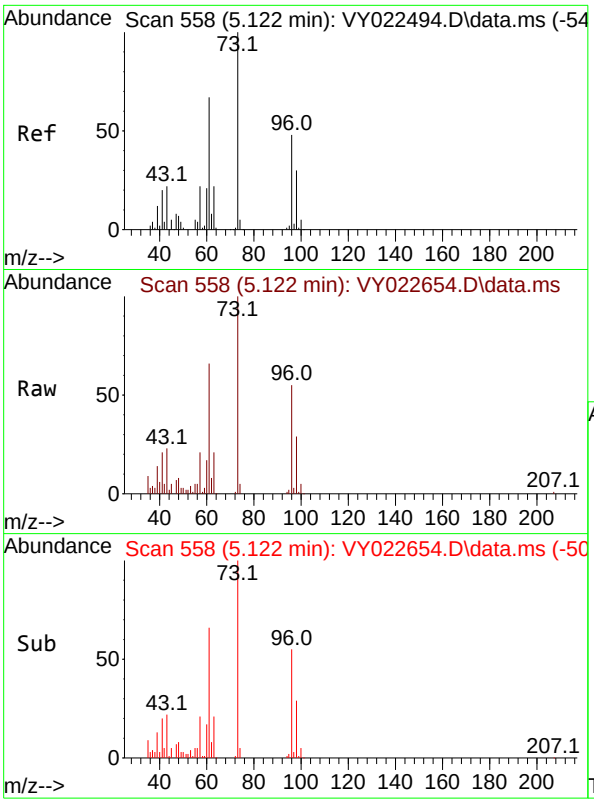


#20
Methylene Chloride
Concen: 22.579 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 84 Resp: 44974

Ion	Ratio	Lower	Upper
84	100		
49	130.0	101.9	152.9
51	39.9	29.8	44.8
86	62.0	51.3	76.9



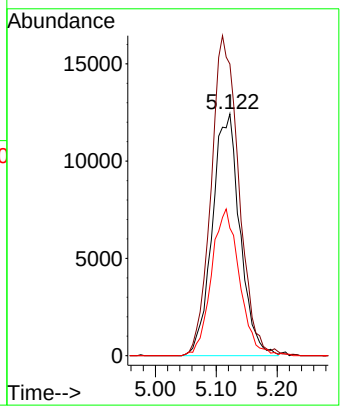


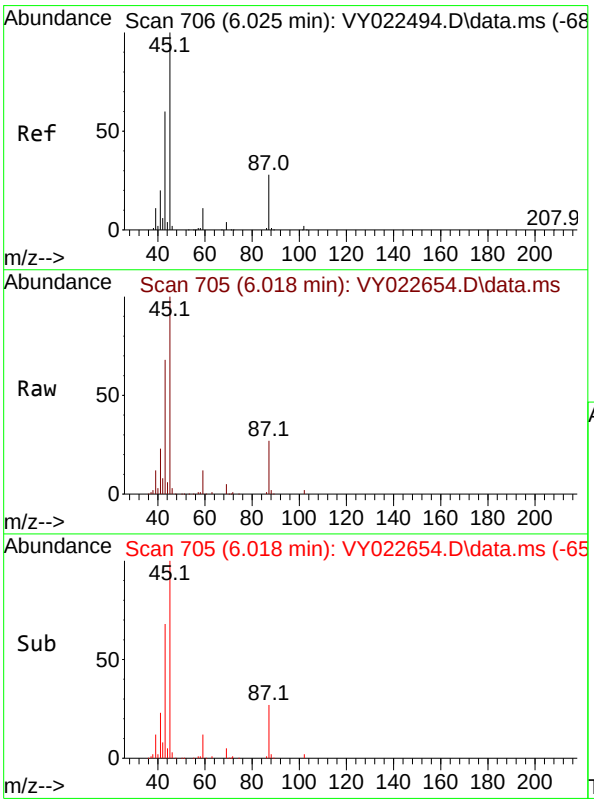
#21
trans-1,2-Dichloroethene
Concen: 21.591 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 96 Resp: 39120

Ion	Ratio	Lower	Upper
96	100		
61	120.7	112.6	169.0
98	52.8	50.6	75.8

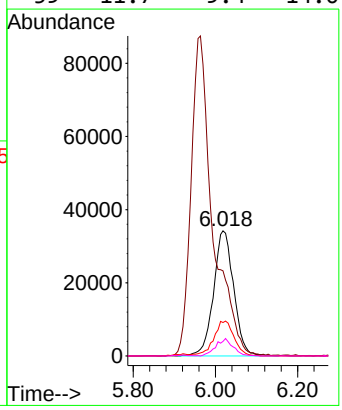


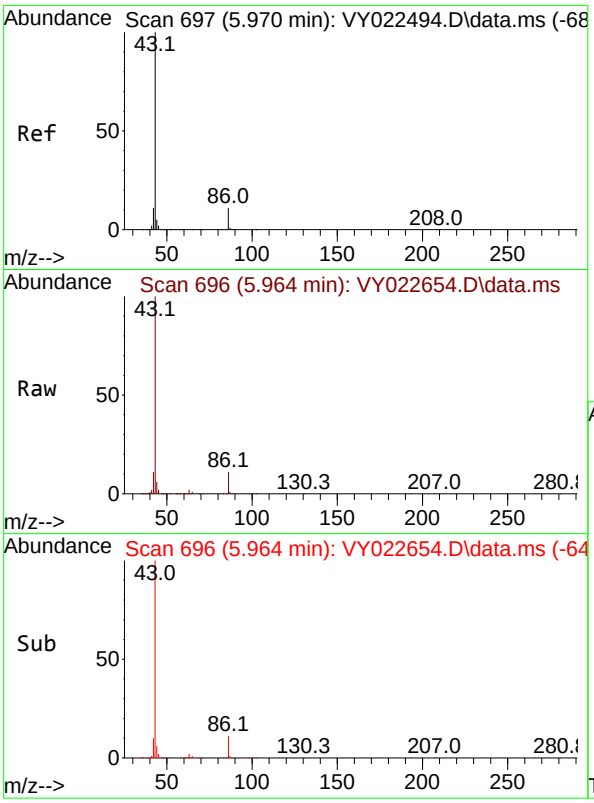


#22
Diisopropyl ether
Concen: 20.583 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 45 Resp: 116438

Ion	Ratio	Lower	Upper
45	100		
43	67.2	48.3	72.5
87	26.8	23.0	34.6
59	11.7	9.4	14.0



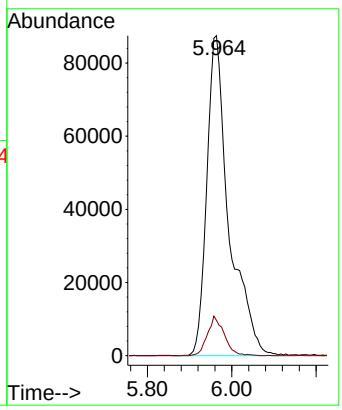


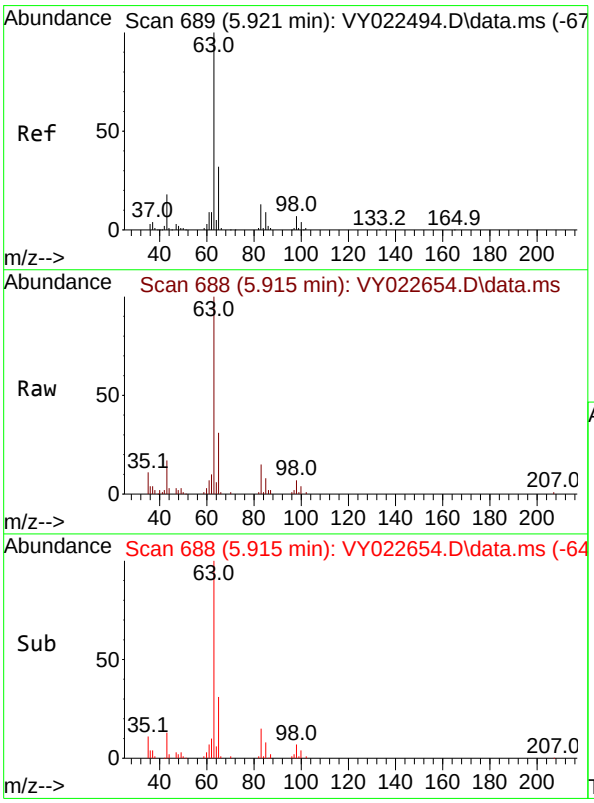
#23
Vinyl Acetate
Concen: 95.409 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 43 Resp: 319453

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

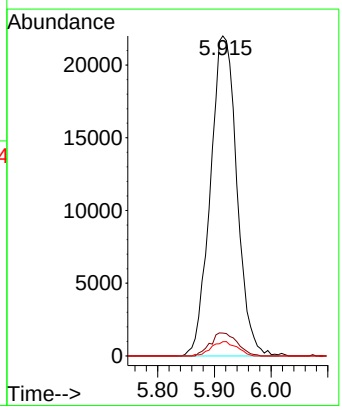


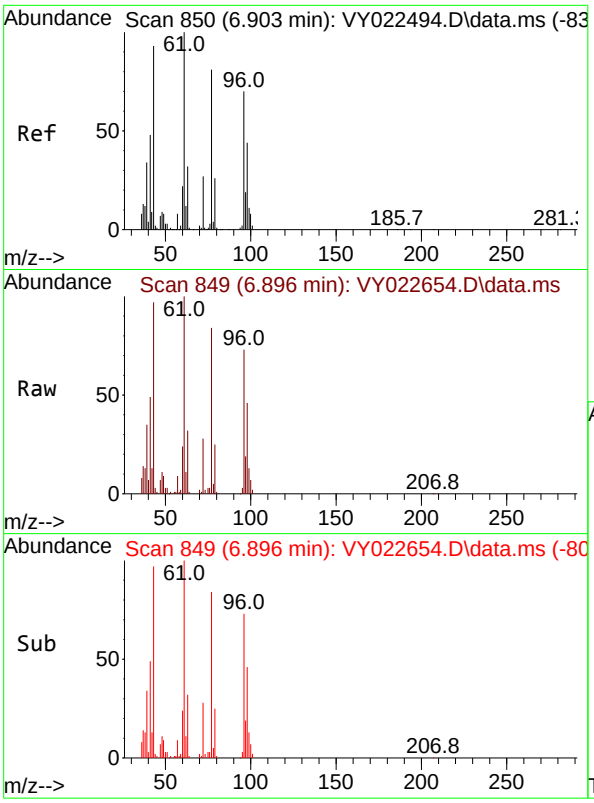


#24
1,1-Dichloroethane
Concen: 21.448 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 63 Resp: 71477

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.1
100	4.5	2.1	6.3



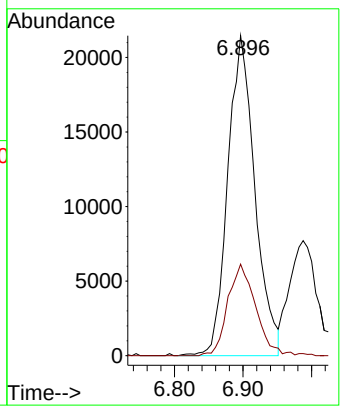


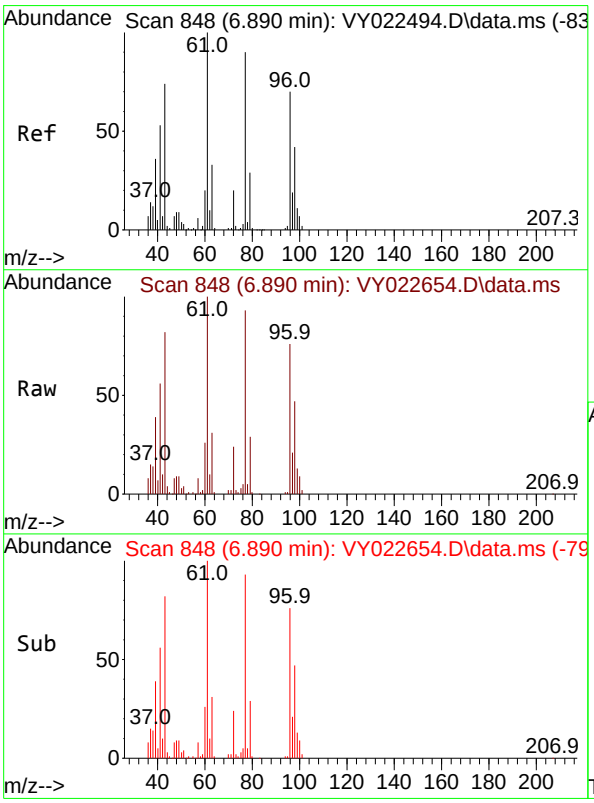
#25
2-Butanone
Concen: 117.002 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 43 Resp: 59179

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

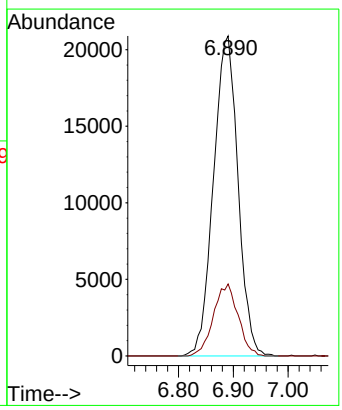


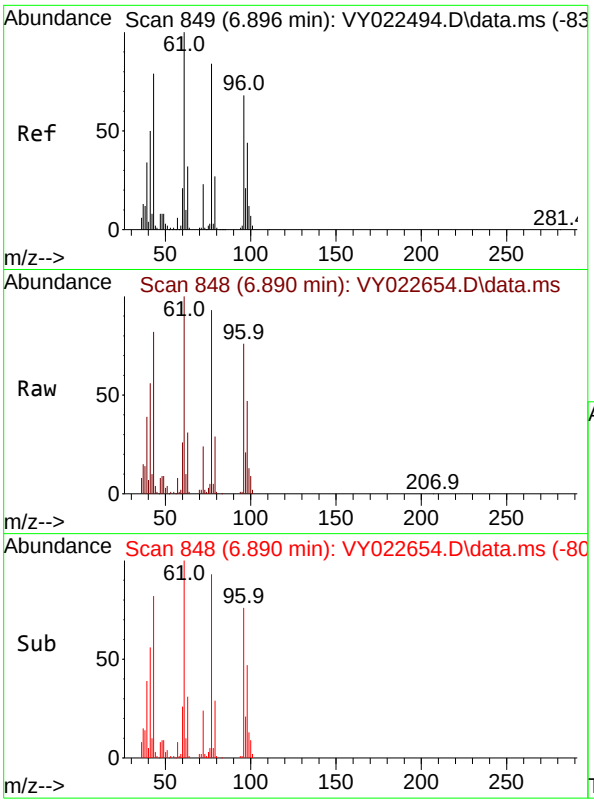


#26
2,2-Dichloropropane
Concen: 22.014 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 77 Resp: 64822

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.4	34.2



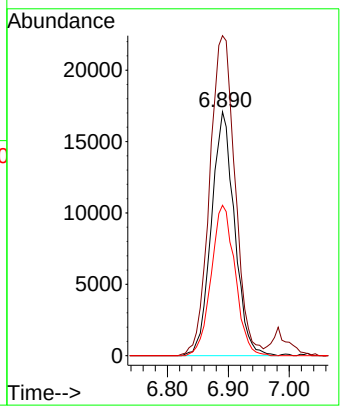


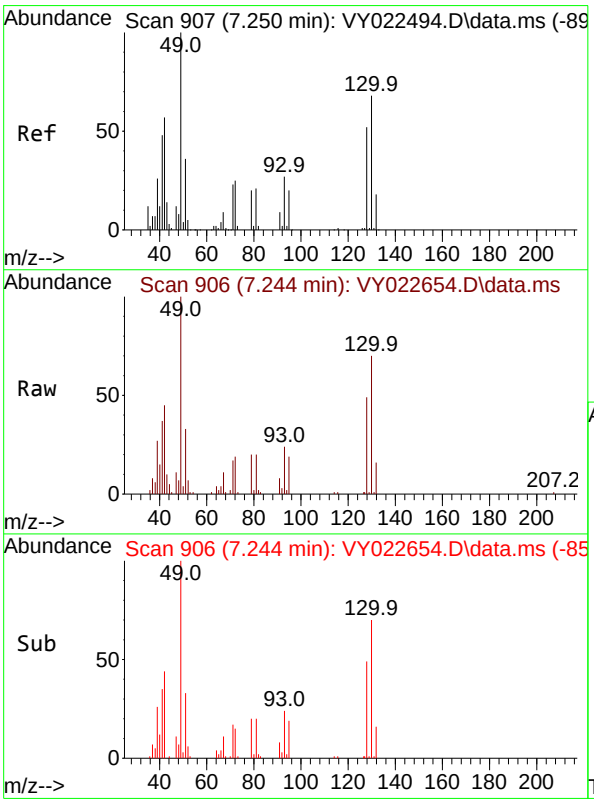
#27
cis-1,2-Dichloroethene
Concen: 21.542 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 96 Resp: 45115

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	290.0
98	63.6	0.0	128.4

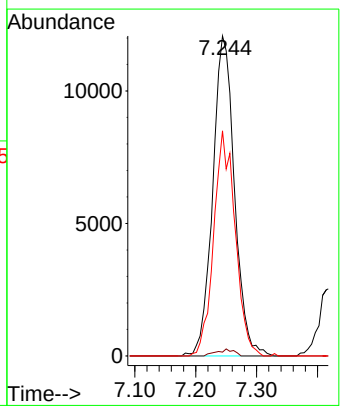


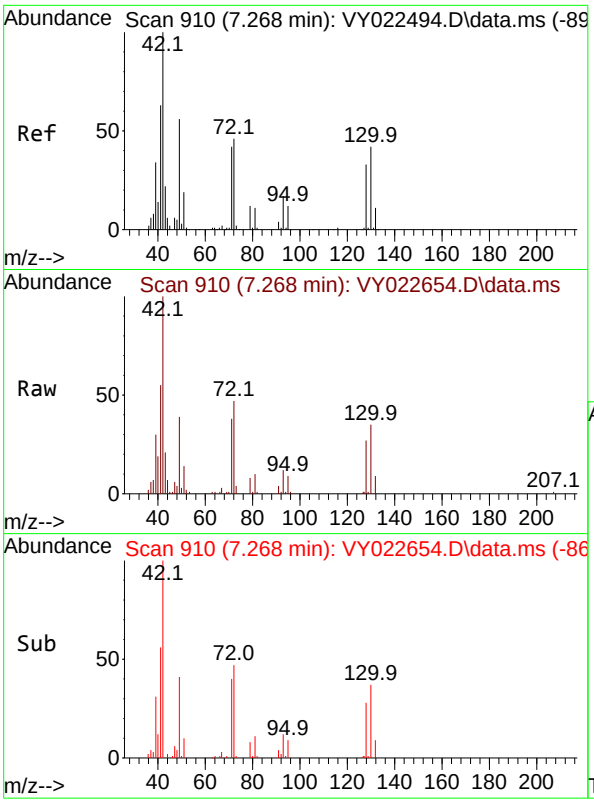


#28
Bromochloromethane
Concen: 20.607 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 49 Resp: 29937

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.2	55.7	83.5



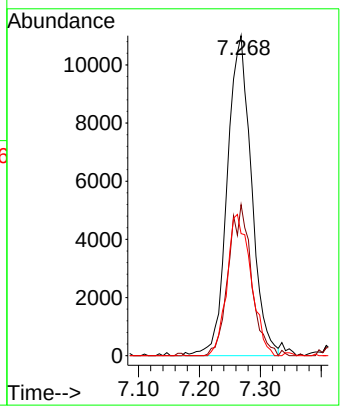


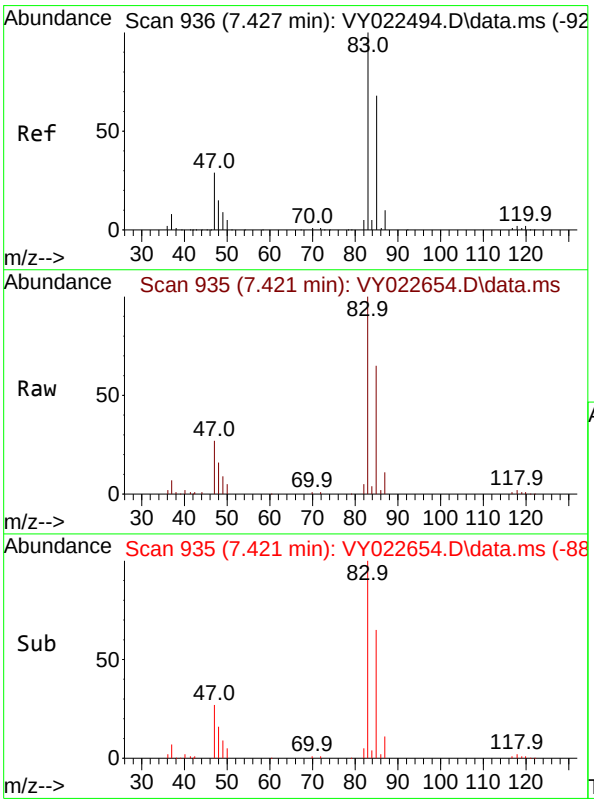
#29
Tetrahydrofuran
Concen: 92.970 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 42 Resp: 30329

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.4	56.2
71	43.6	34.2	51.2

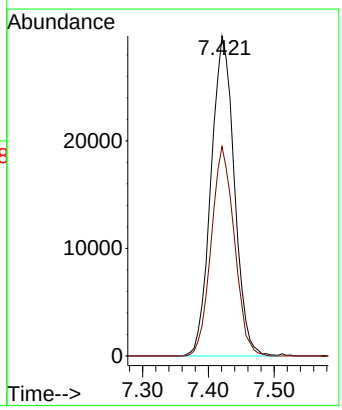


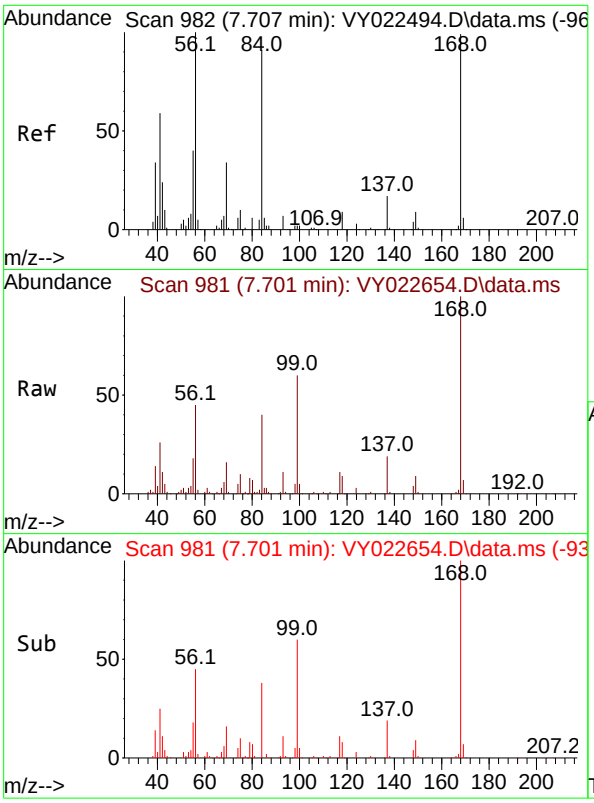


#30
Chloroform
Concen: 22.269 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 83 Resp: 73510

Ion	Ratio	Lower	Upper
83	100		
85	65.5	54.2	81.4



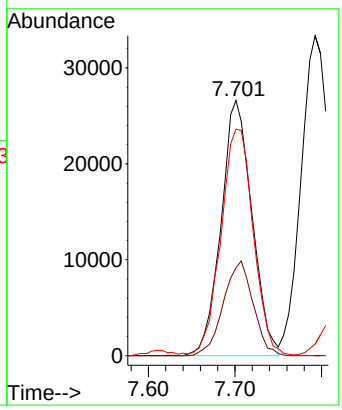


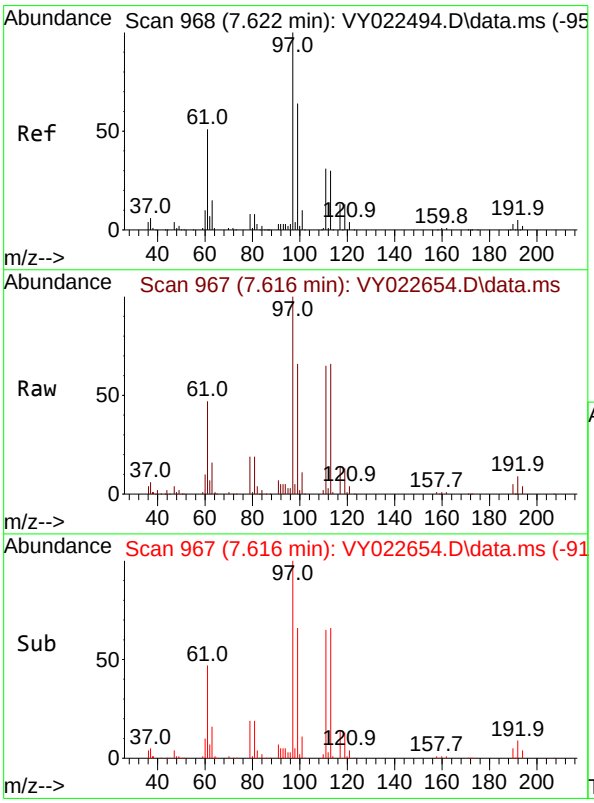
#31
Cyclohexane
Concen: 19.860 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 56 Resp: 65893

Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.0	40.6
84	88.2	72.6	109.0

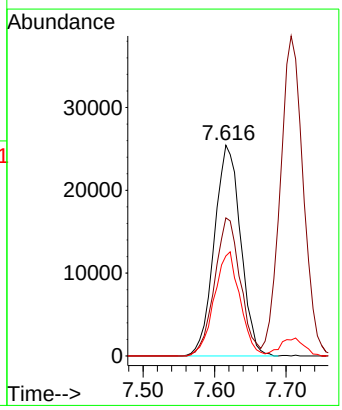


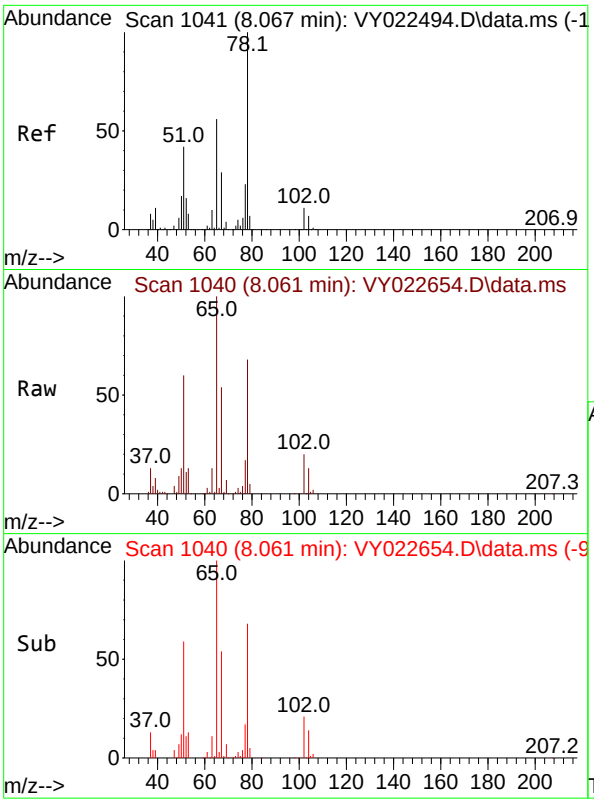


#32
1,1,1-Trichloroethane
Concen: 22.208 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 97 Resp: 65077

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	48.5	38.5	57.7



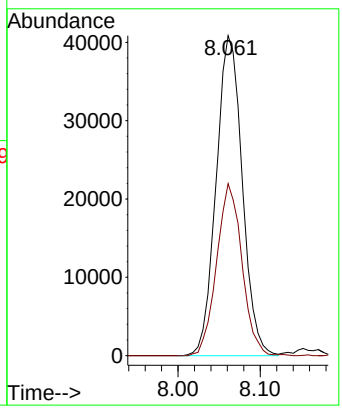


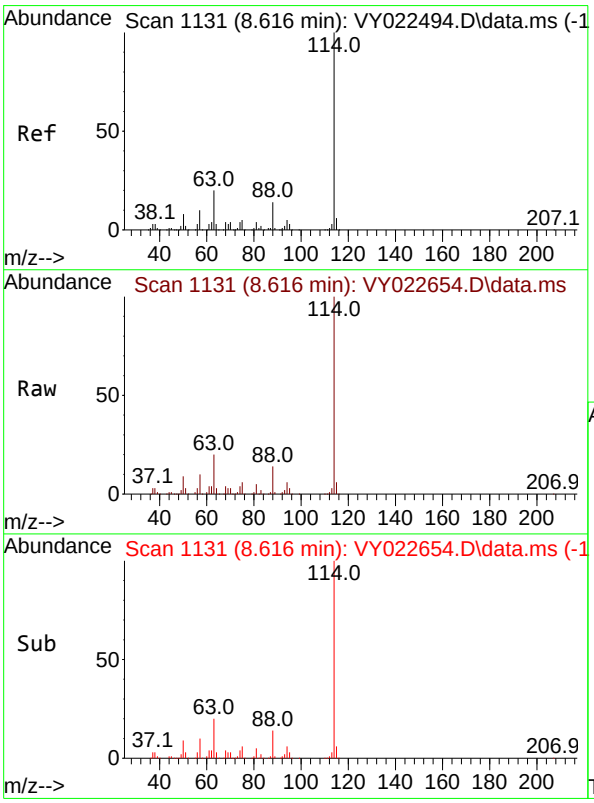
#33
1,2-Dichloroethane-d4
Concen: 52.150 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 65 Resp: 90043

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.4

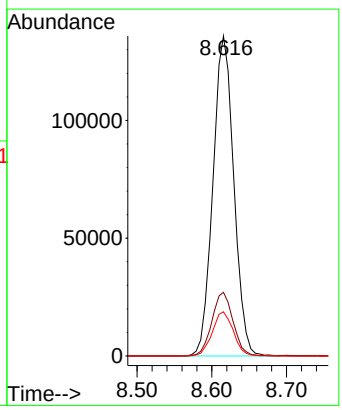


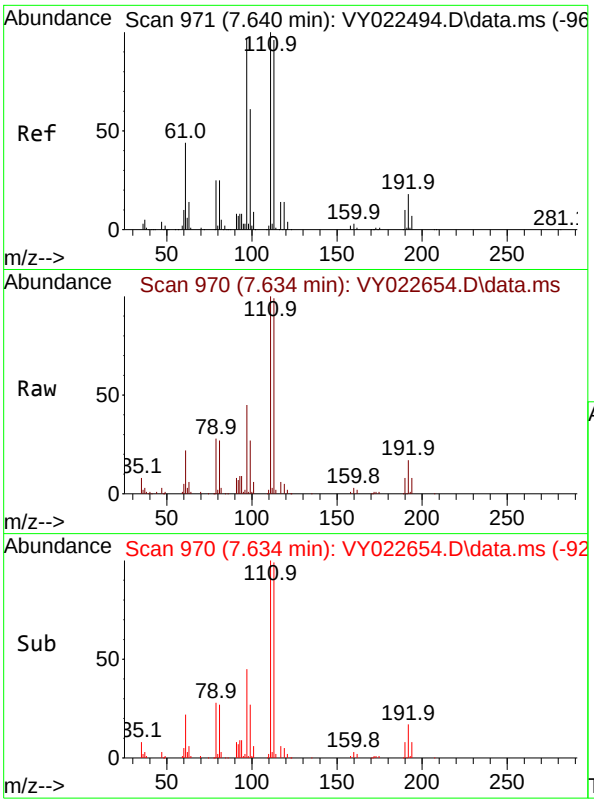


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:114 Resp: 263261

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	13.8	0.0	27.8



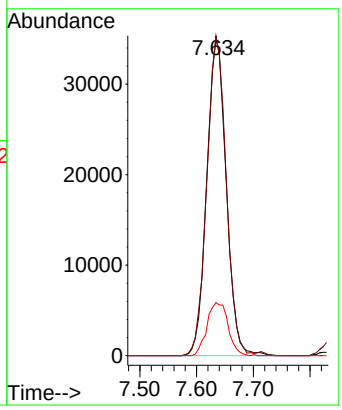


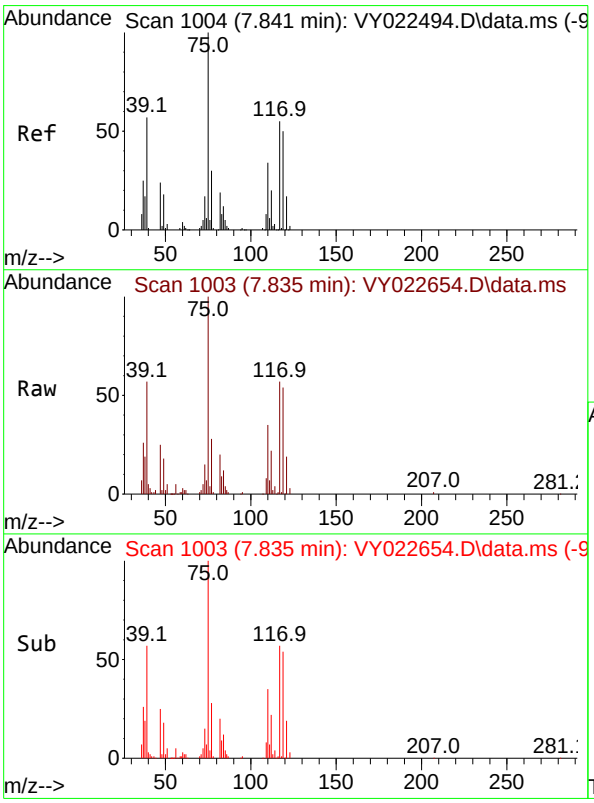
#35
Dibromofluoromethane
Concen: 53.345 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:113 Resp: 83823

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.1	121.7
192	18.0	14.2	21.2

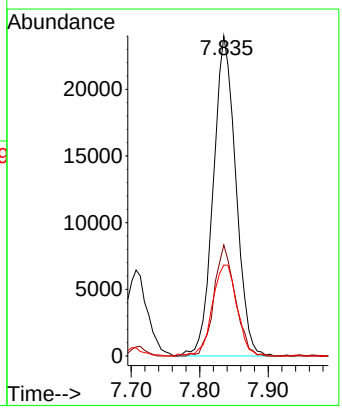


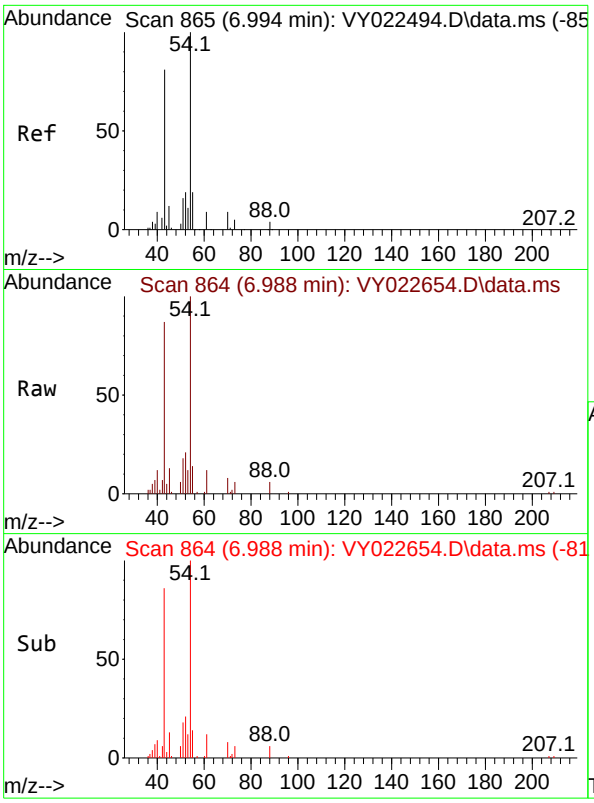


#36
1,1-Dichloropropene
Concen: 21.470 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 54754

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.9	50.7
77	31.2	24.8	37.2



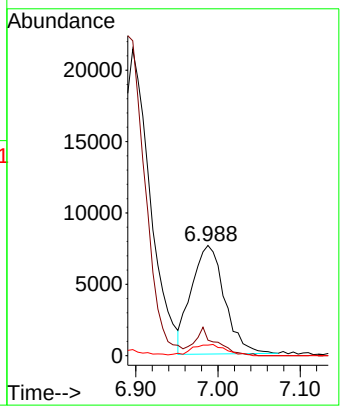


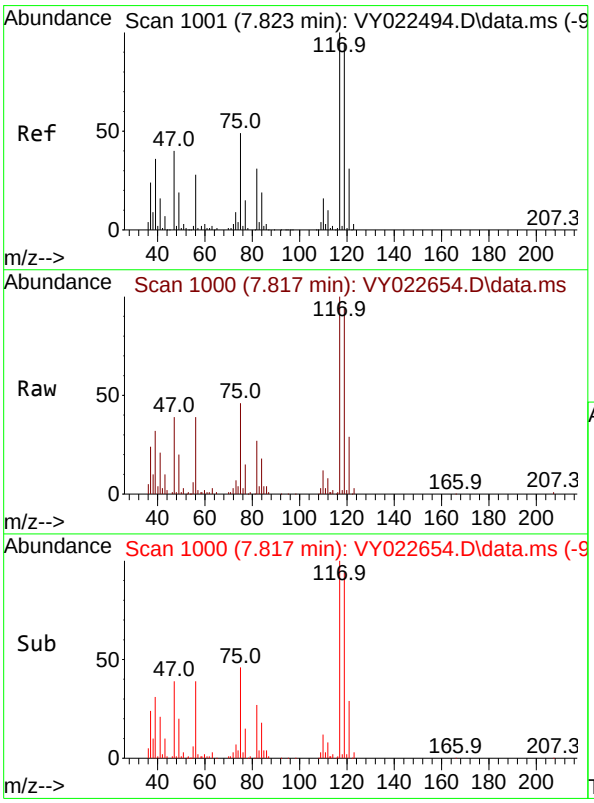
#37
Ethyl Acetate
Concen: 18.716 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 43 Resp: 21286

Ion	Ratio	Lower	Upper
43	100		
61	16.9	11.5	17.3
70	10.7	7.2	10.8

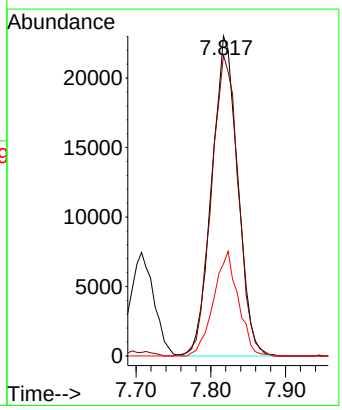


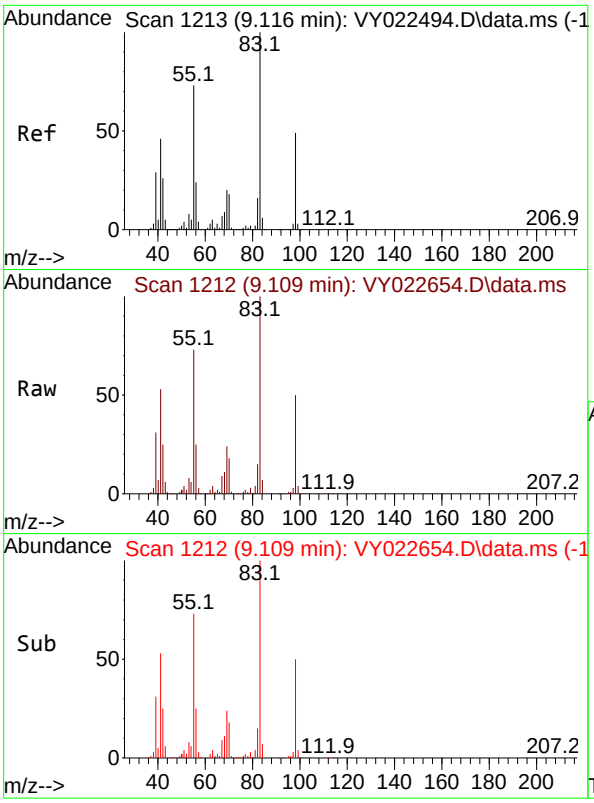


#38
Carbon Tetrachloride
Concen: 21.227 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:117 Resp: 55534

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.0	112.6
121	28.8	25.0	37.4



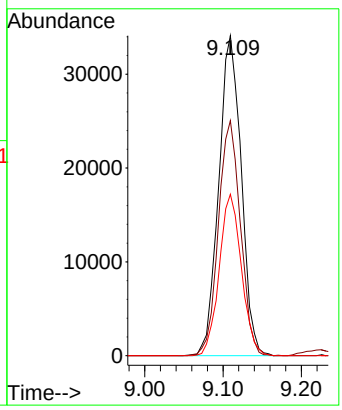


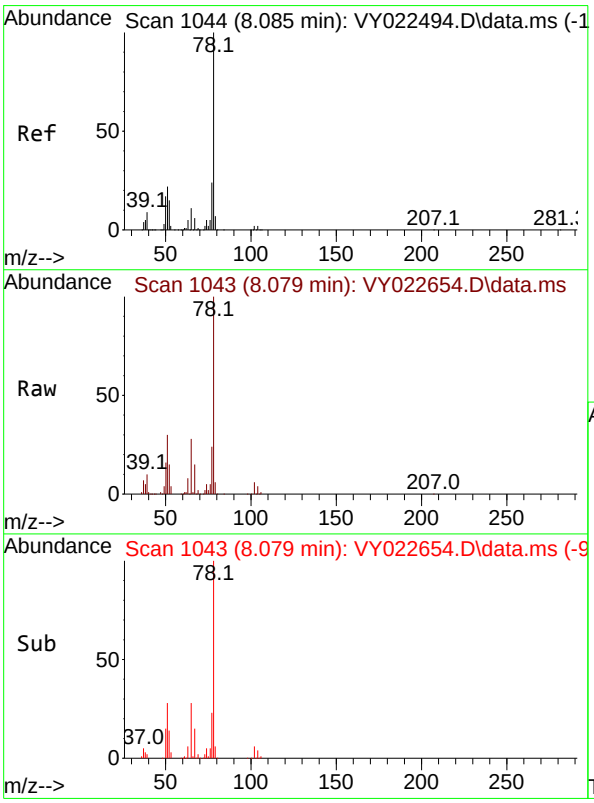
#39
Methylcyclohexane
Concen: 19.873 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 83 Resp: 68109

Ion	Ratio	Lower	Upper
83	100		
55	73.5	58.1	87.1
98	50.4	39.0	58.6

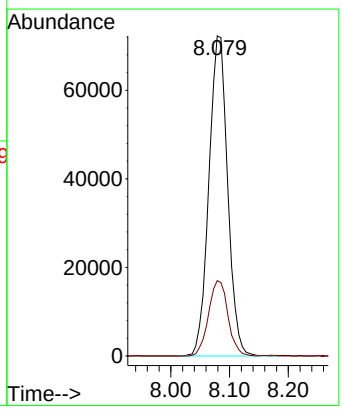


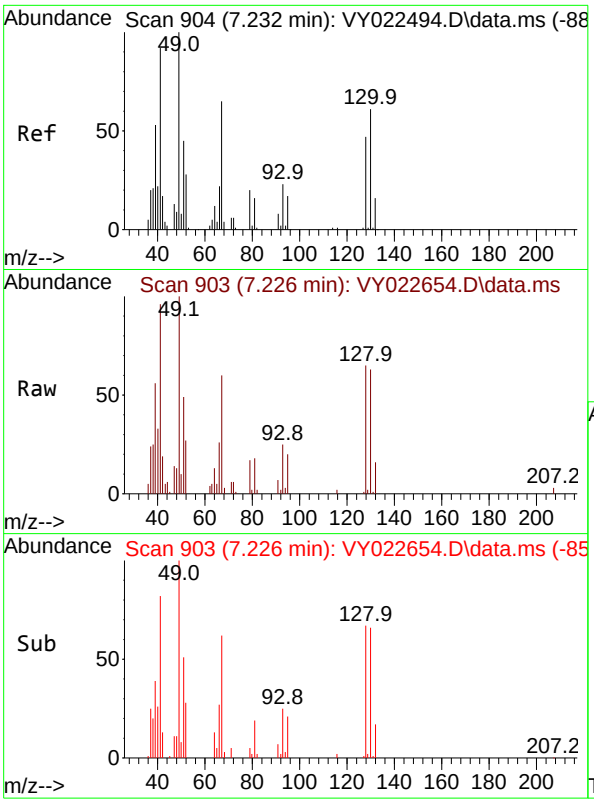


#40
Benzene
Concen: 21.236 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 78 Resp: 159964

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9



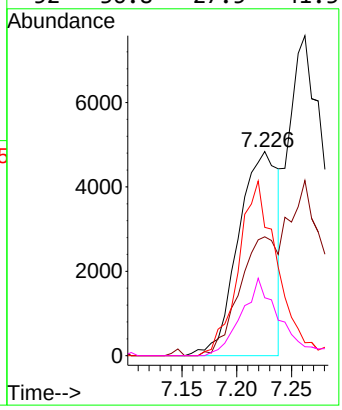


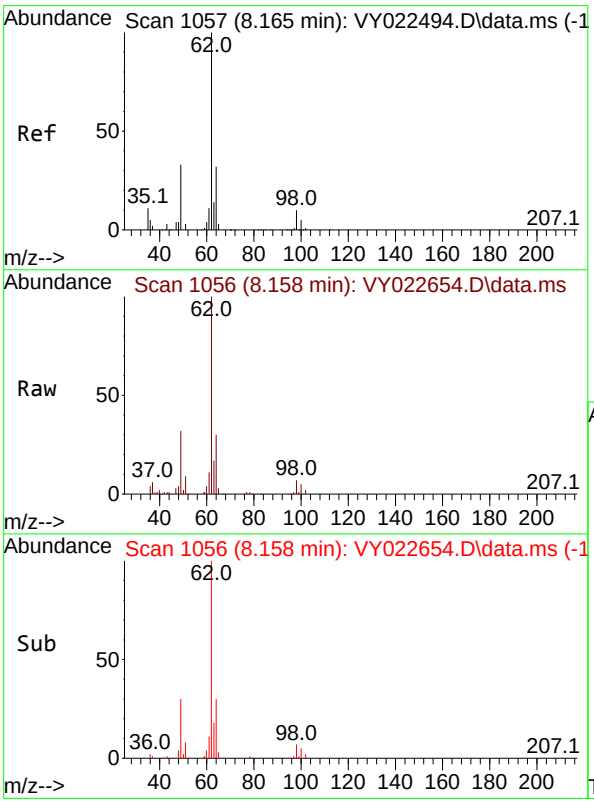
#41
Methacrylonitrile
Concen: 18.275 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 41 Resp: 12140

Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	84.8	63.3	94.9
52	36.8	27.5	41.3

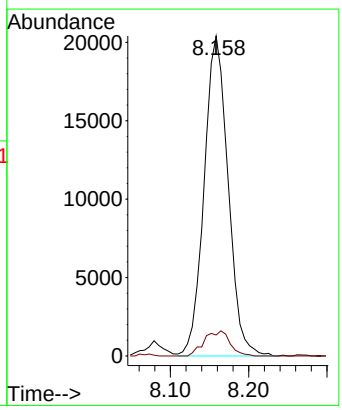


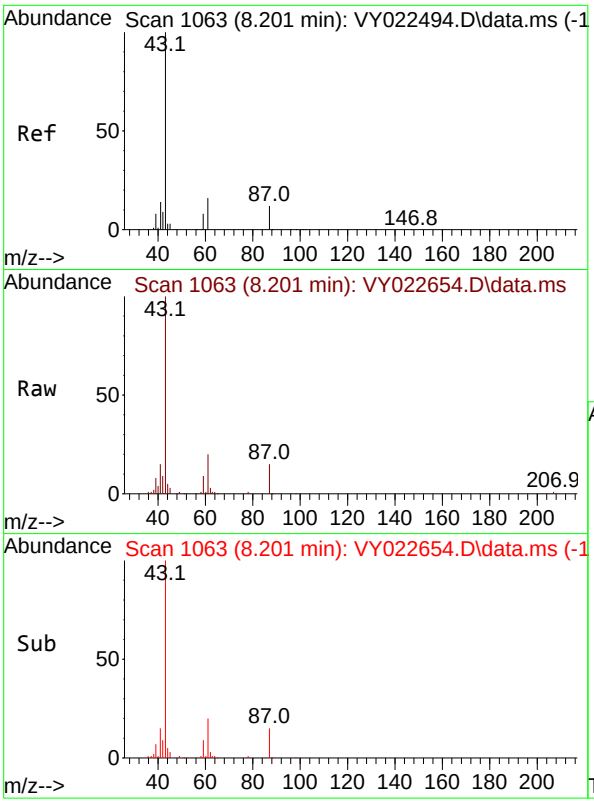


#42
1,2-Dichloroethane
Concen: 21.094 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 62 Resp: 43385

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	19.2



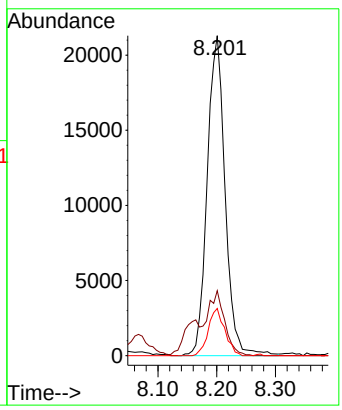


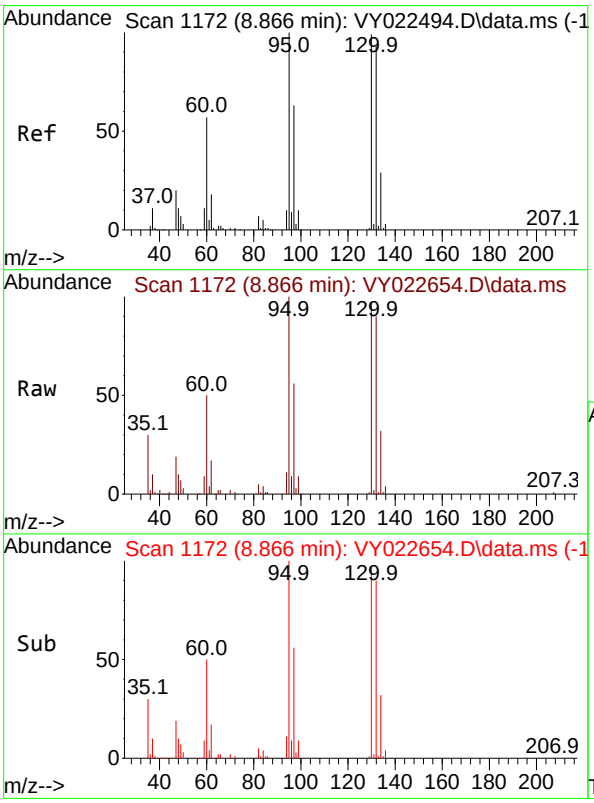
#43
Isopropyl Acetate
Concen: 18.355 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 43 Resp: 45086

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.6	23.4
87	13.6	10.2	15.4

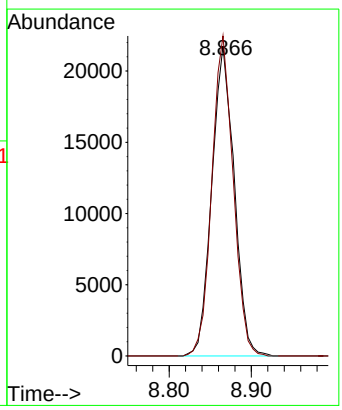


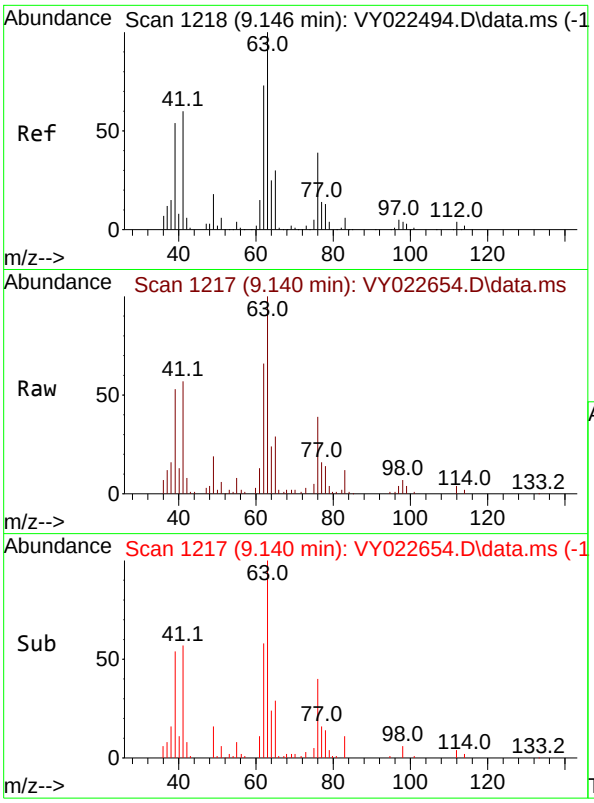


#44
Trichloroethene
Concen: 22.364 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:130 Resp: 41172

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0



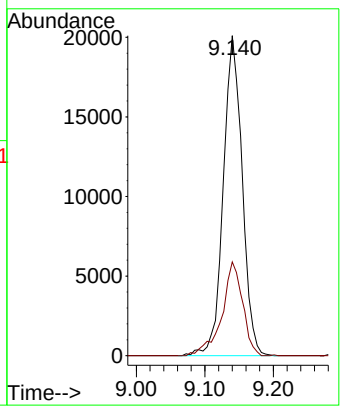


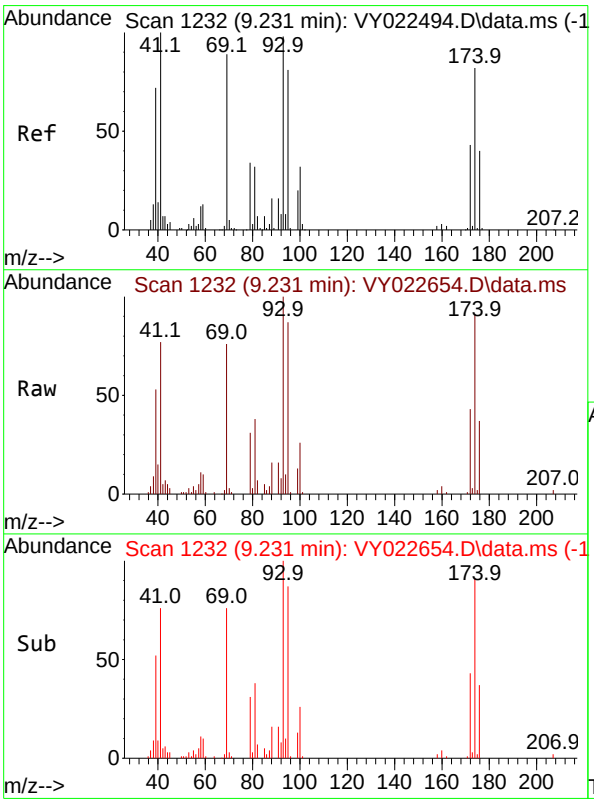
#45
1,2-Dichloropropane
Concen: 21.609 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 63 Resp: 38468

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.0	36.0

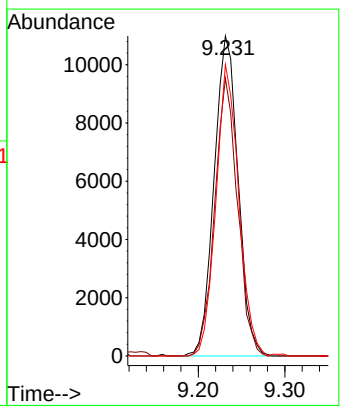


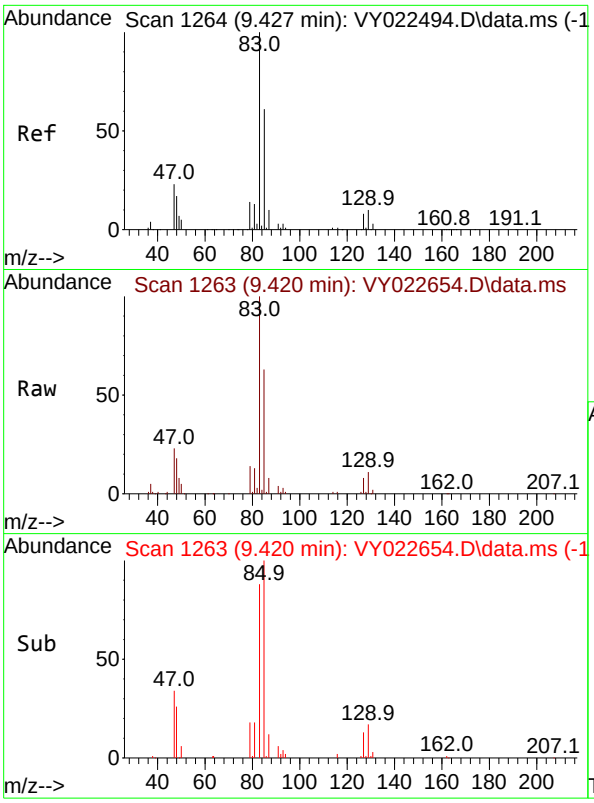


#46
Dibromomethane
Concen: 21.104 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 93 Resp: 21136

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	86.7	70.4	105.6



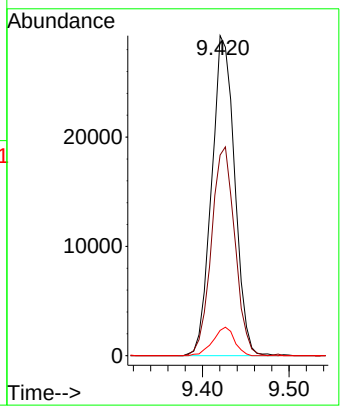


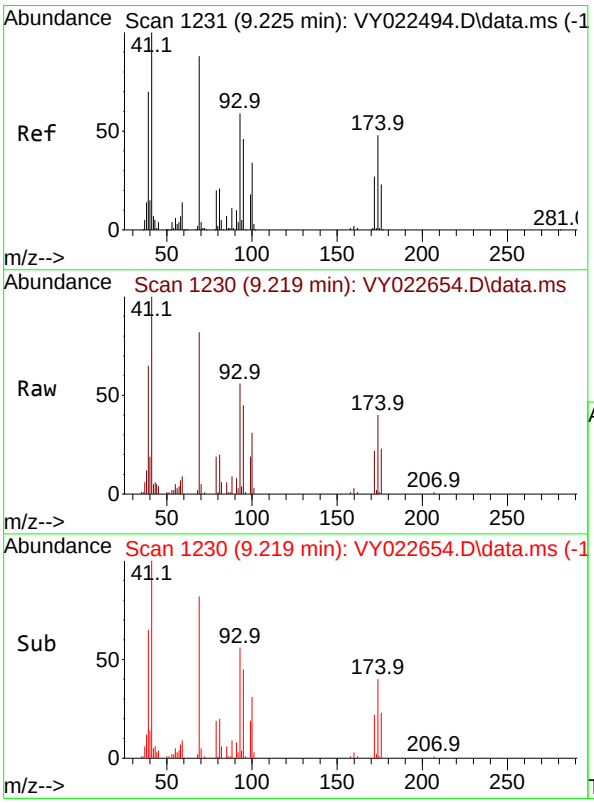
#47
Bromodichloromethane
Concen: 21.271 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 83 Resp: 54018

Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.1	73.7
127	7.9	6.2	9.4

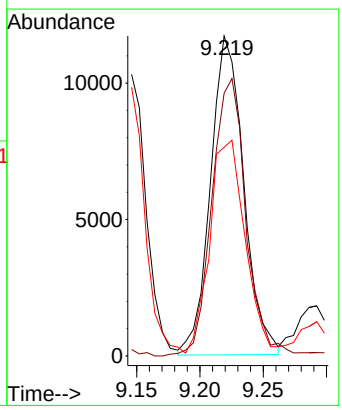


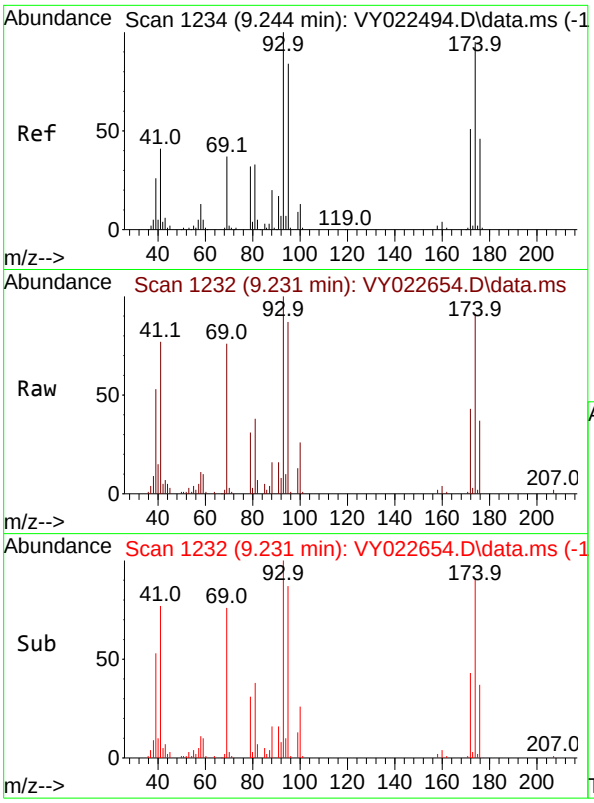


#48
Methyl methacrylate
Concen: 18.509 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 41 Resp: 21337

Ion	Ratio	Lower	Upper
41	100		
69	89.3	67.8	101.8
39	71.3	55.0	82.4



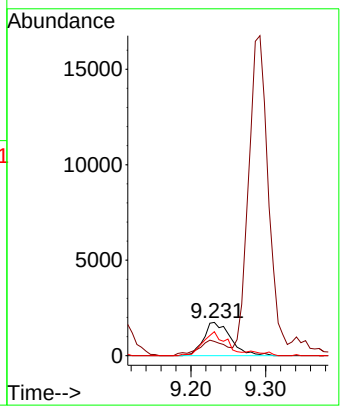


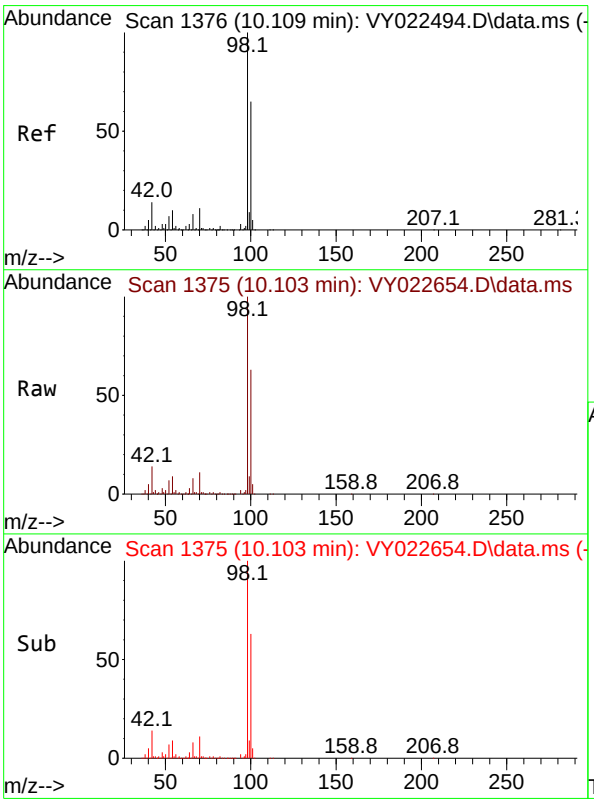
#49
1,4-Dioxane
Concen: 371.176 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 88 Resp: 4404

Ion	Ratio	Lower	Upper
88	100		
43	47.1	25.4	38.2#
58	61.6	54.9	82.3

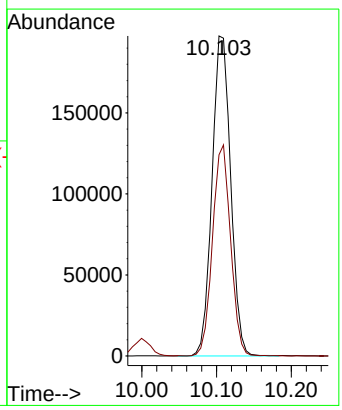


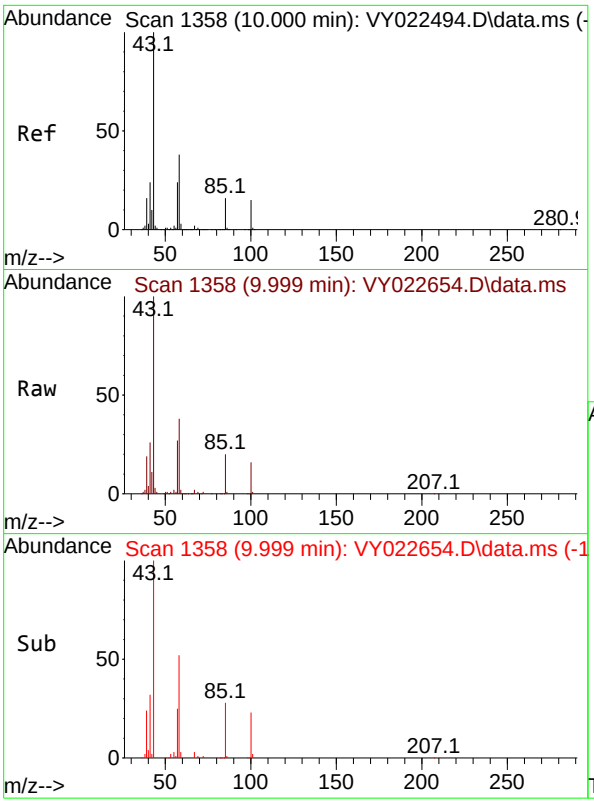


#50
Toluene-d8
Concen: 53.850 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 98 Resp: 341908

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0



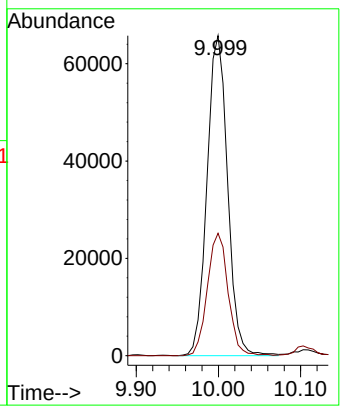


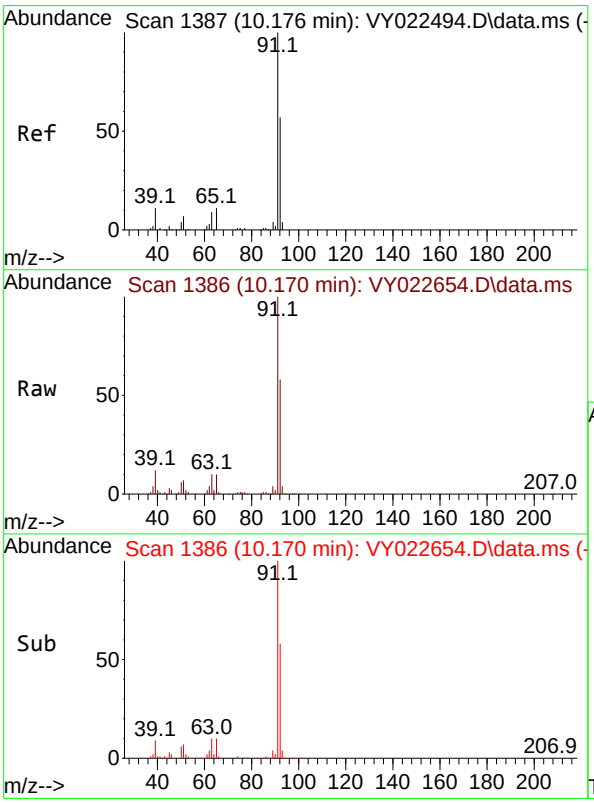
#51
4-Methyl-2-Pentanone
Concen: 93.372 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 43 Resp: 114346

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.4	45.6

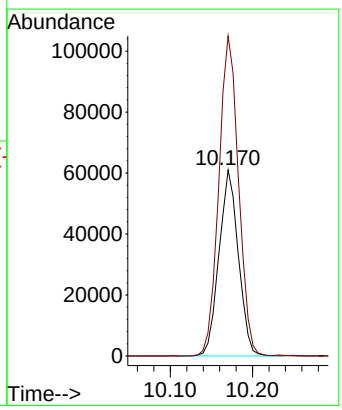


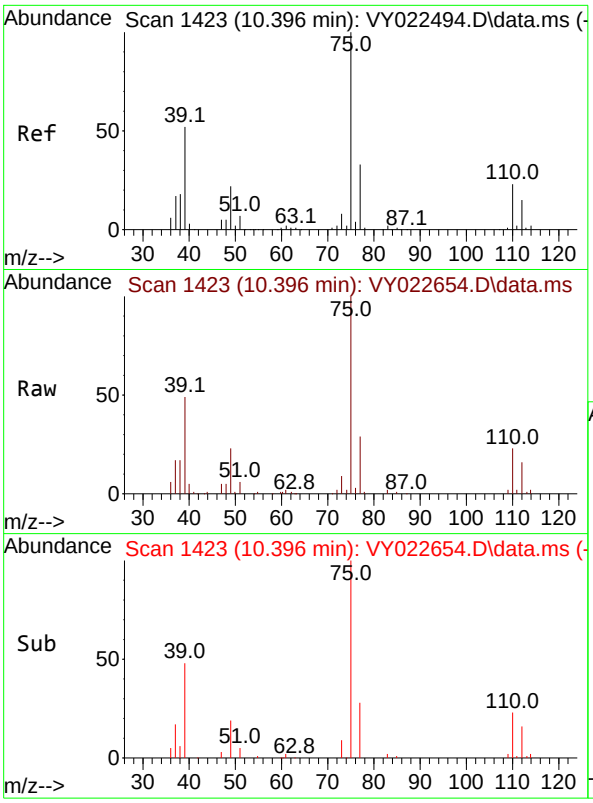


#52
Toluene
Concen: 21.067 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 92 Resp: 99726

Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.0	208.4



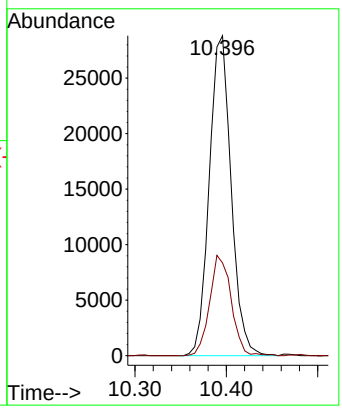


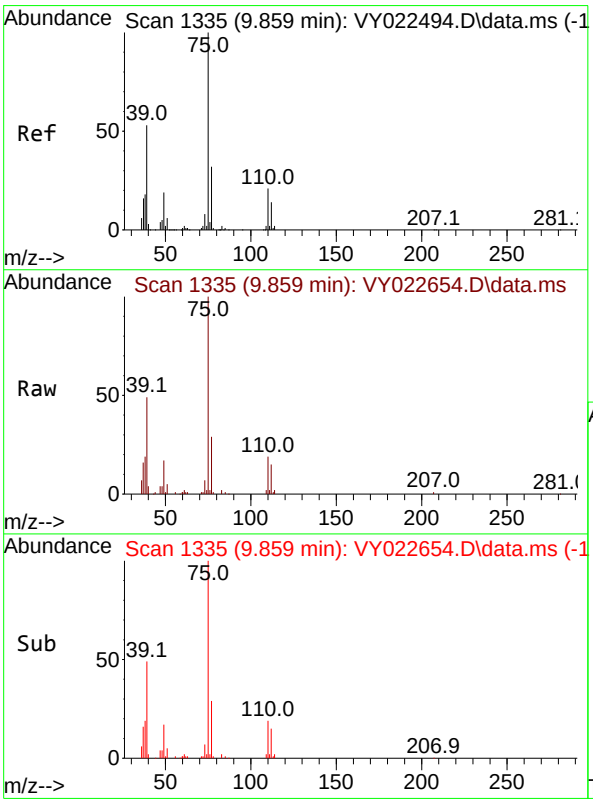
#53
t-1,3-Dichloropropene
Concen: 20.111 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 75 Resp: 47853

Ion	Ratio	Lower	Upper
75	100		
77	29.0	26.5	39.7

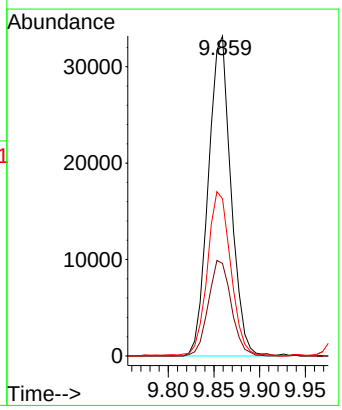


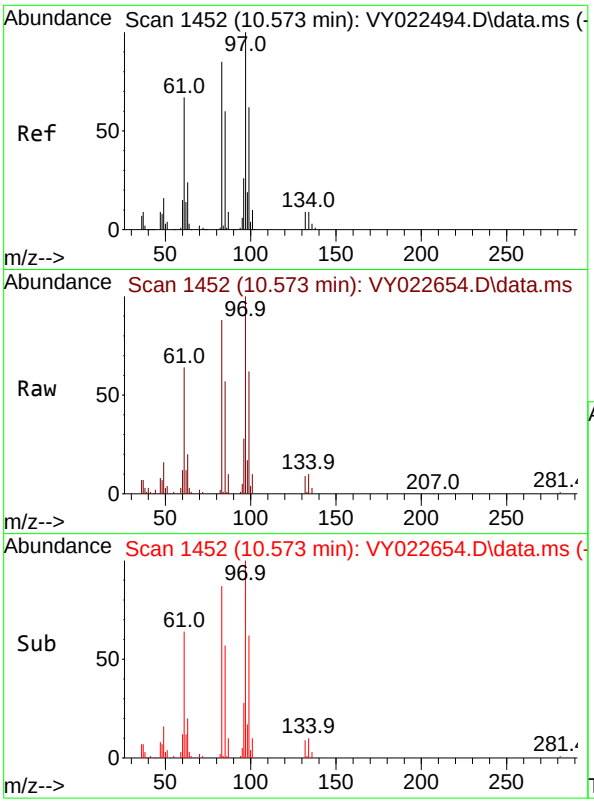


#54
cis-1,3-Dichloropropene
Concen: 20.571 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 56976

Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.3	37.9
39	49.2	42.7	64.1



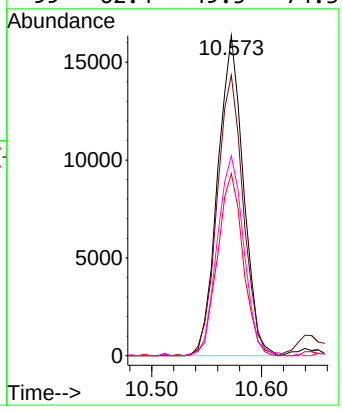


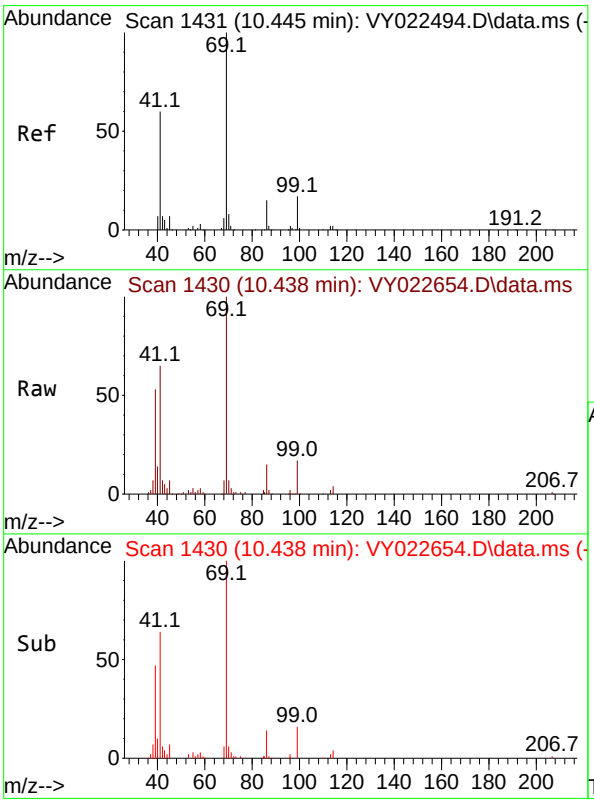
#55
1,1,2-Trichloroethane
Concen: 20.835 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 97 Resp: 26608

Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.1	102.1
85	56.9	48.2	72.2
99	62.4	49.5	74.3

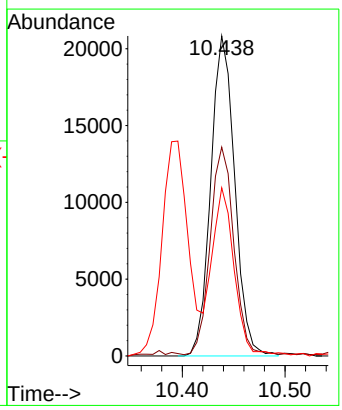


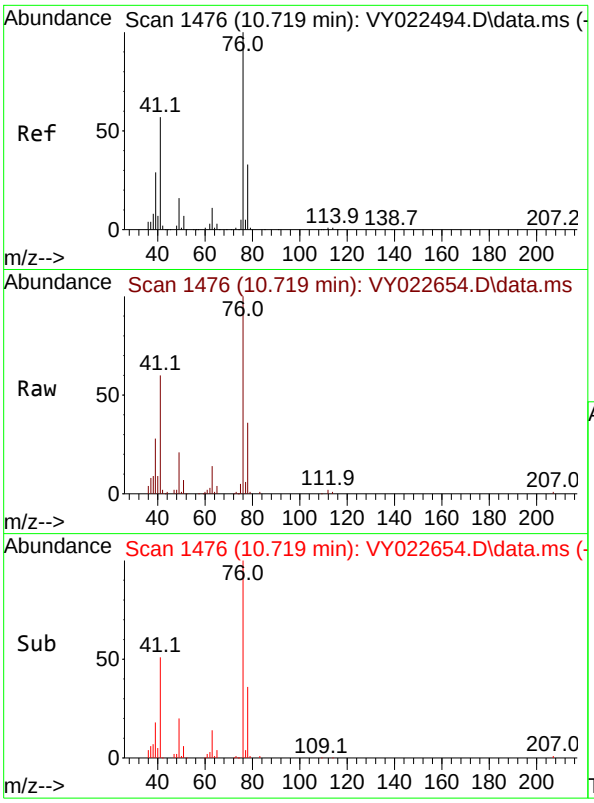


#56
Ethyl methacrylate
Concen: 18.248 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 69 Resp: 33681

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.2	78.2
39	48.5	36.7	55.1



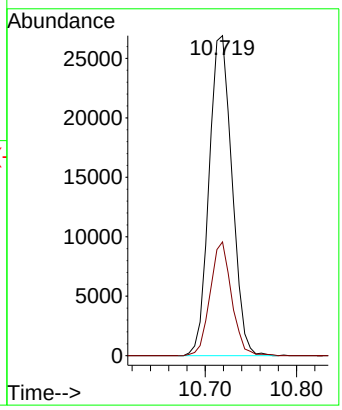


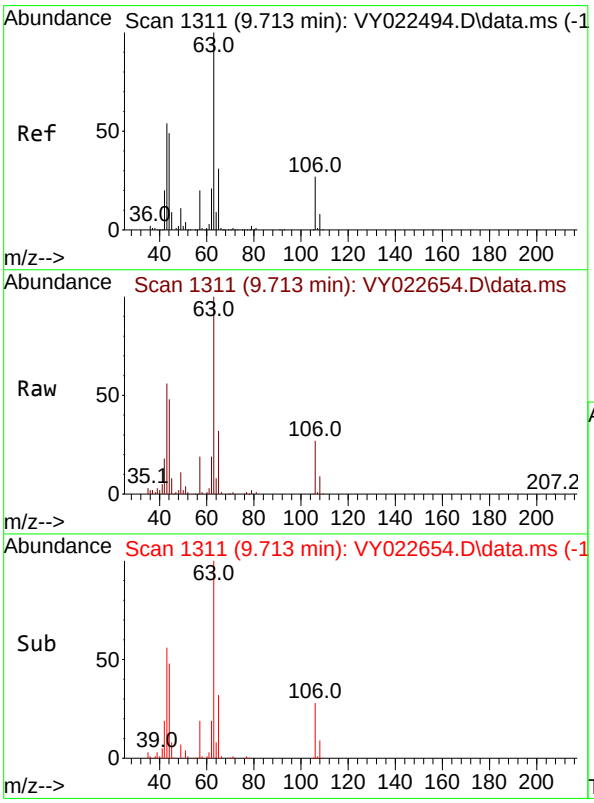
#57
1,3-Dichloropropane
Concen: 20.685 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 76 Resp: 46820

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8

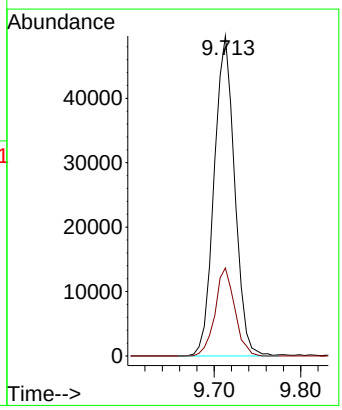


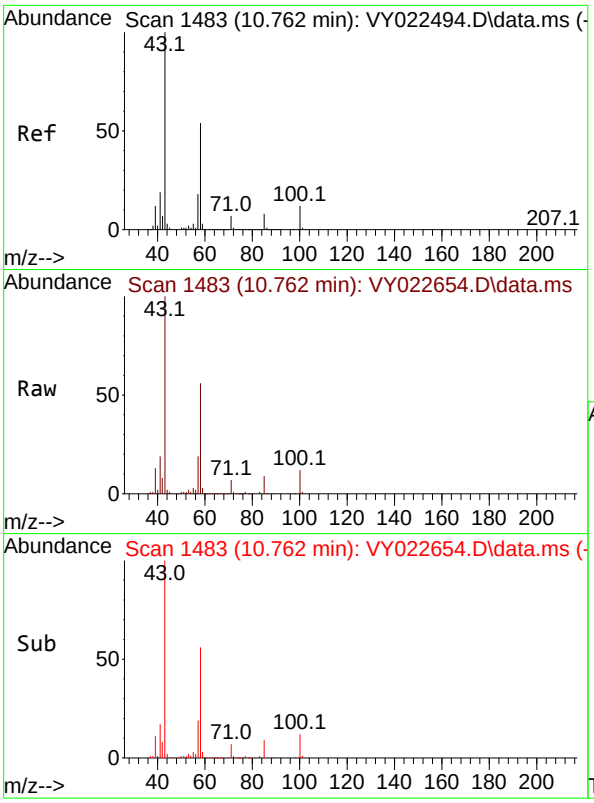


#58
2-Chloroethyl Vinyl ether
Concen: 97.509 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 63 Resp: 81714

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4



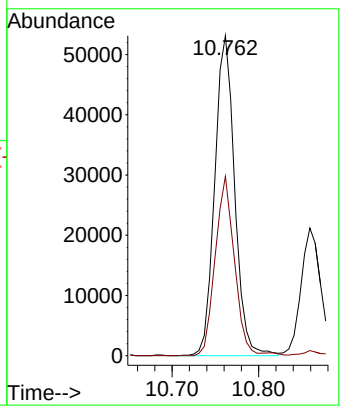


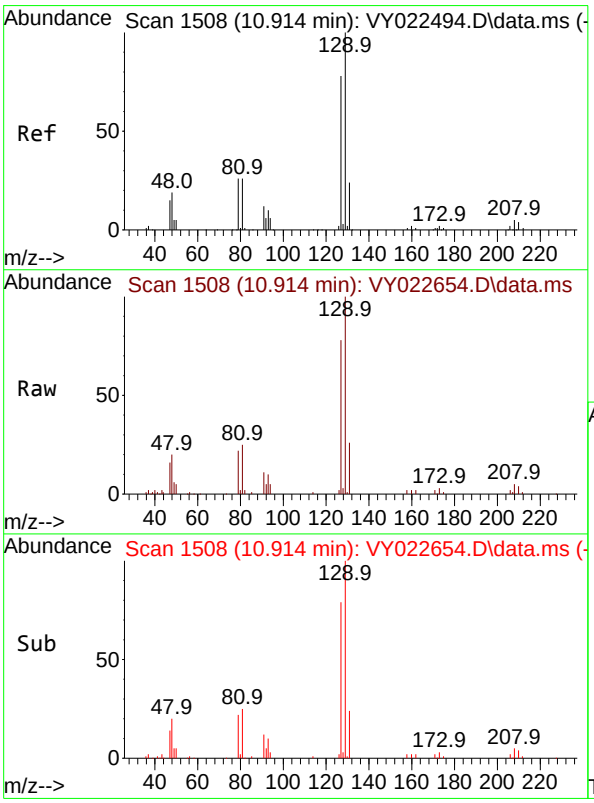
#59
2-Hexanone
Concen: 103.855 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 43 Resp: 85059

Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.3	81.8

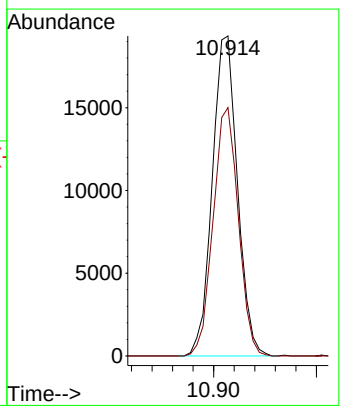


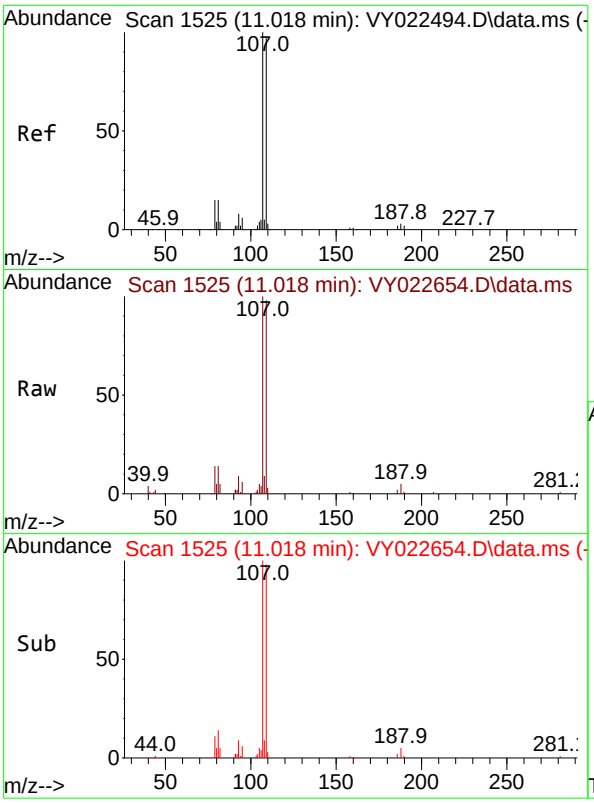


#60
Dibromochloromethane
Concen: 20.254 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:129 Resp: 32871

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2



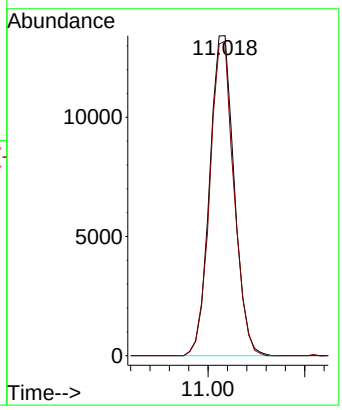


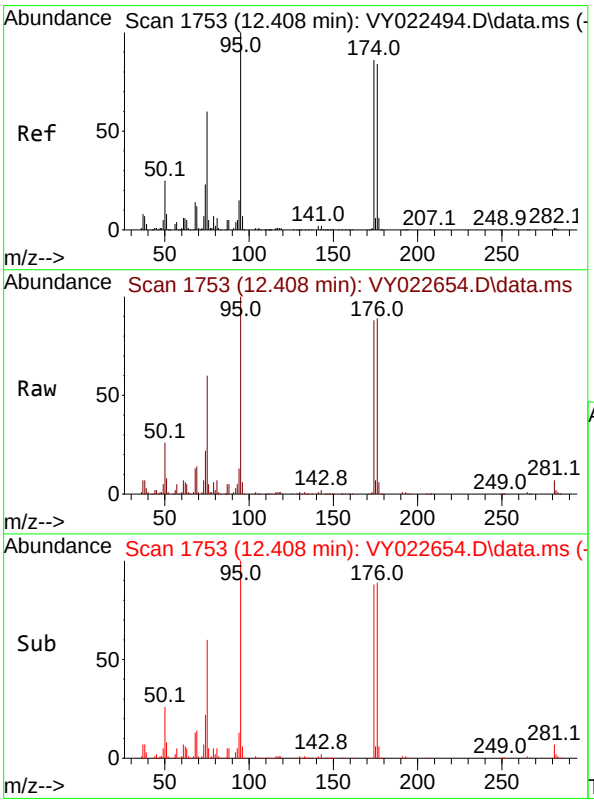
#61
1,2-Dibromoethane
Concen: 20.266 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:107 Resp: 23589

Ion	Ratio	Lower	Upper
107	100		
109	96.4	77.7	116.5

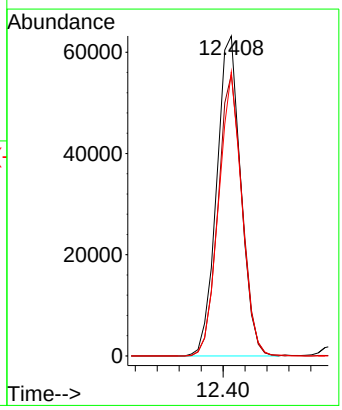


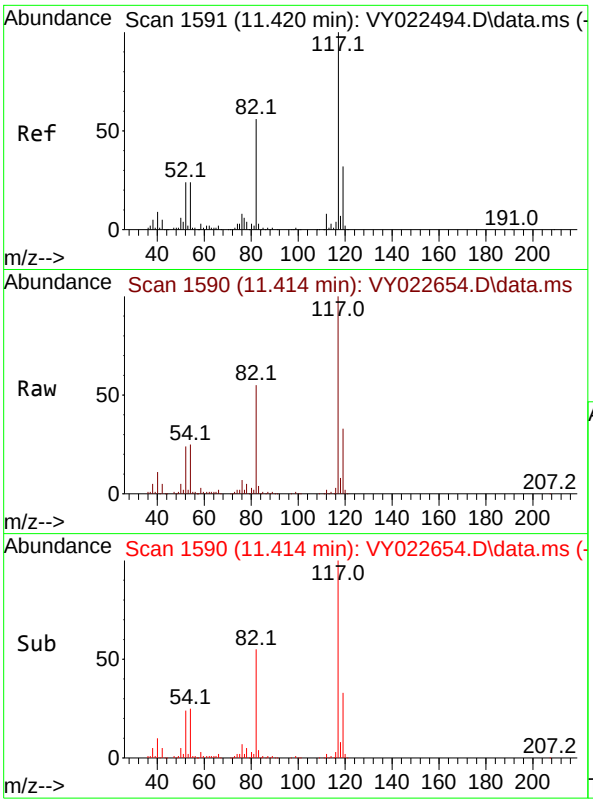


#62
4-Bromofluorobenzene
Concen: 51.128 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 95 Resp: 96721

Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	170.0
176	85.0	0.0	166.2



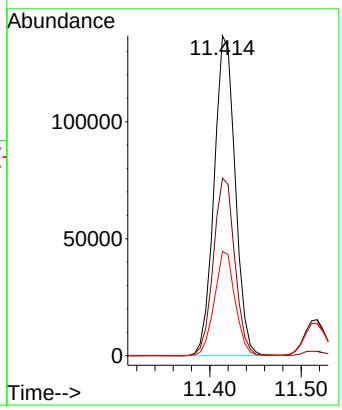


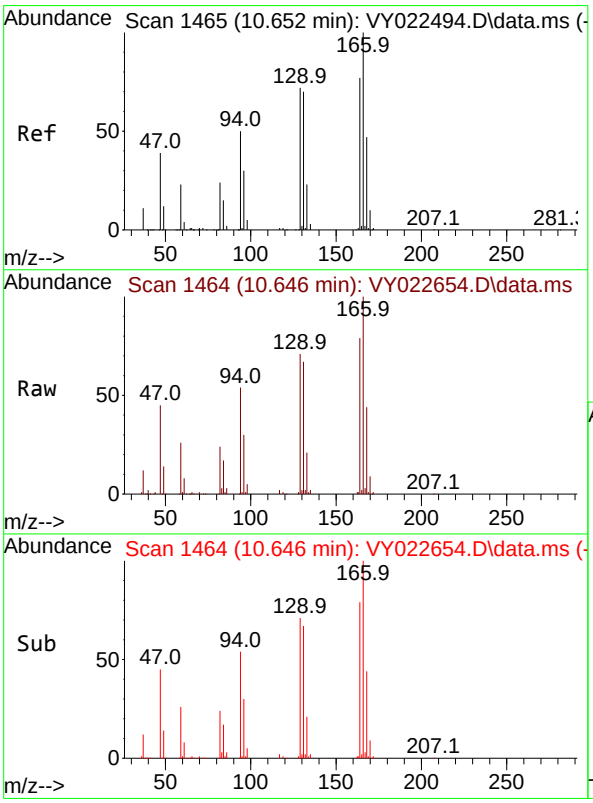
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:117 Resp: 218934

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	66.8
119	32.6	25.4	38.0

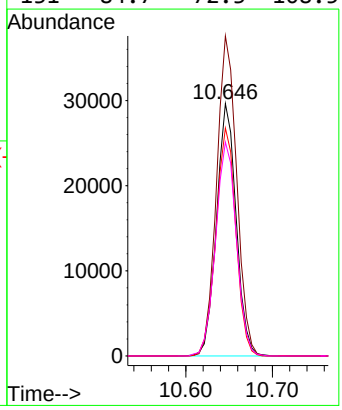


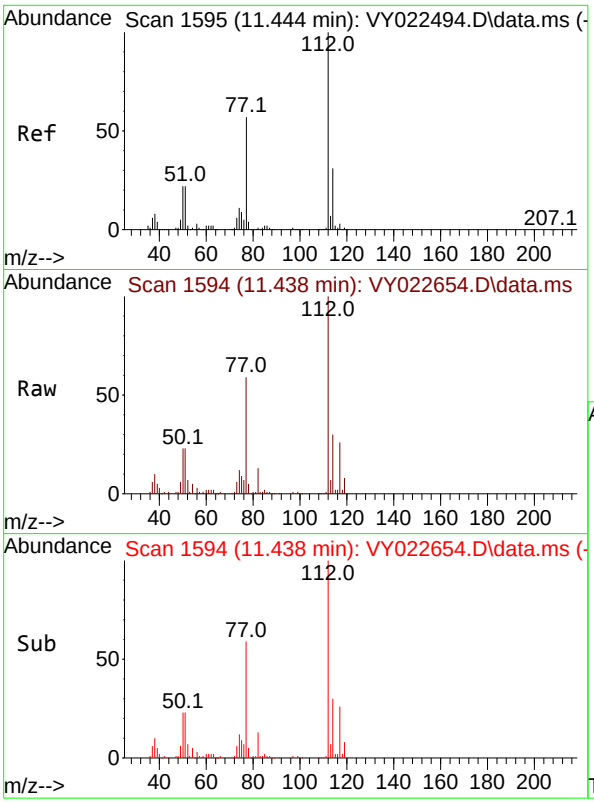


#64
Tetrachloroethene
Concen: 24.806 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:164 Resp: 46718

Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.0	156.0
129	90.3	74.5	111.7
131	84.7	72.3	108.5



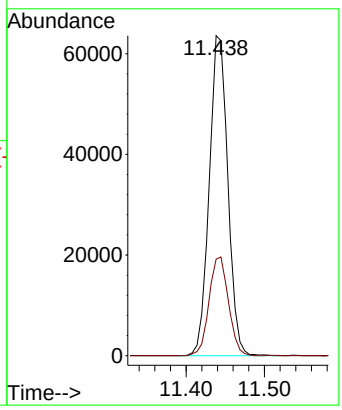


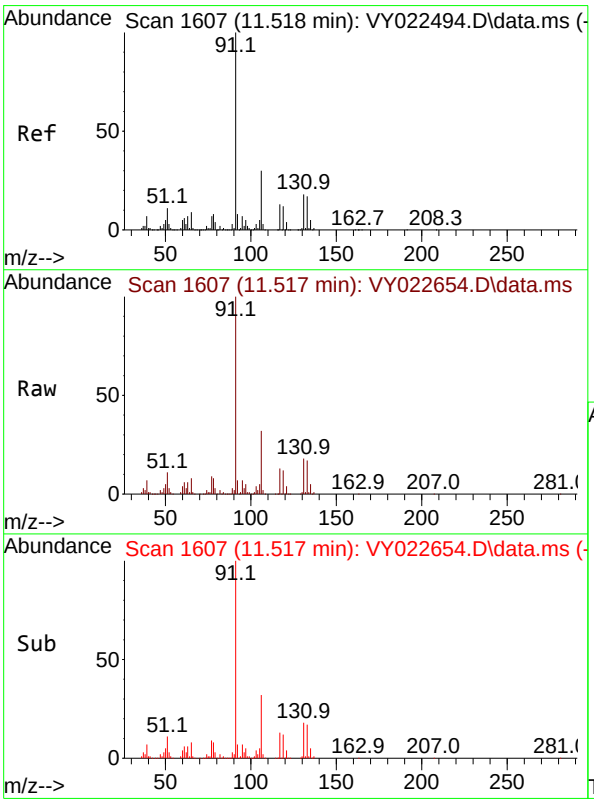
#65
Chlorobenzene
Concen: 21.604 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:112 Resp: 104666

Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.0	37.6

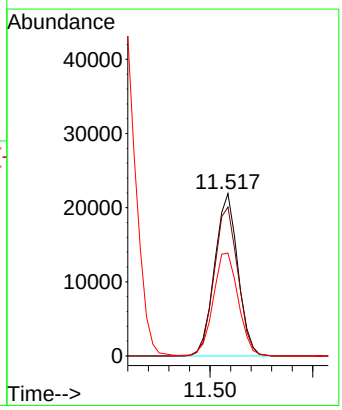


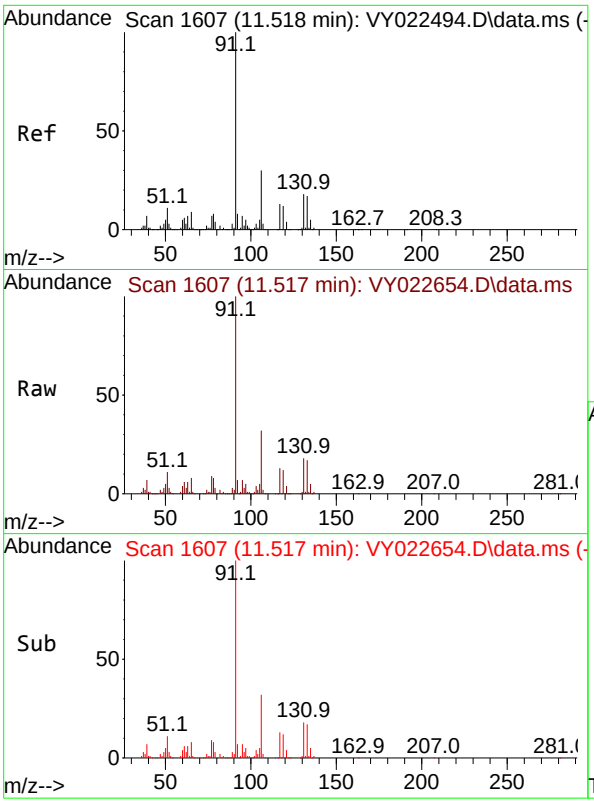


#66
1,1,1,2-Tetrachloroethane
Concen: 21.042 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:131 Resp: 34342

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.8
119	68.3	33.1	99.3



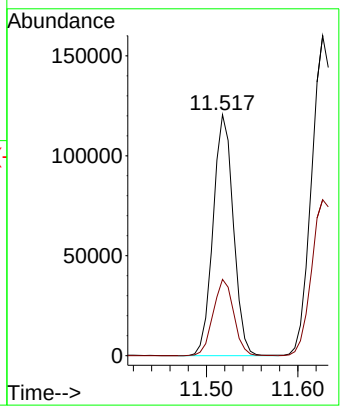


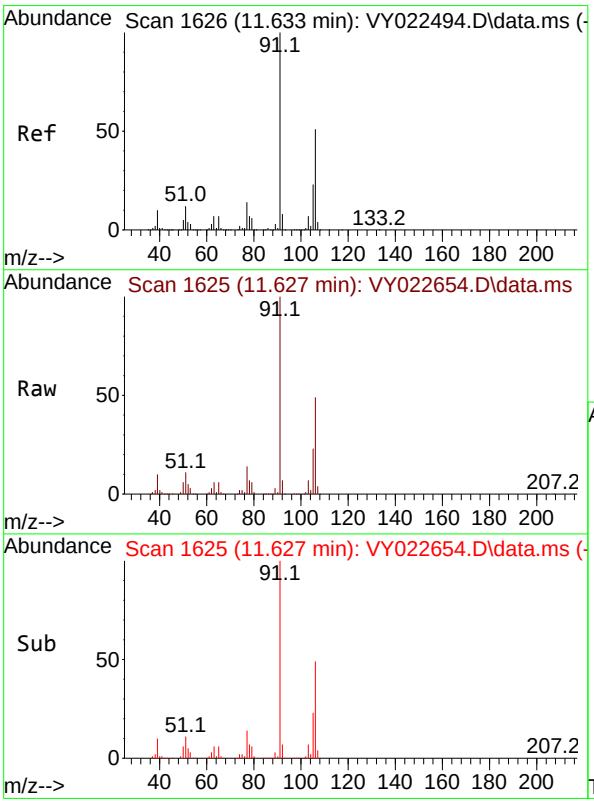
#67
Ethyl Benzene
Concen: 20.670 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 91 Resp: 185737

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.2	36.4

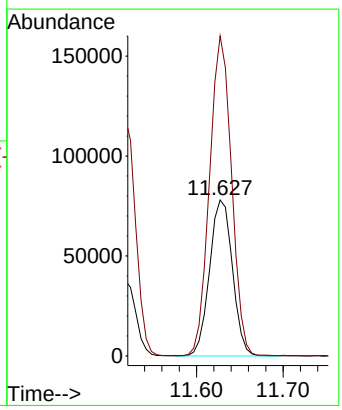


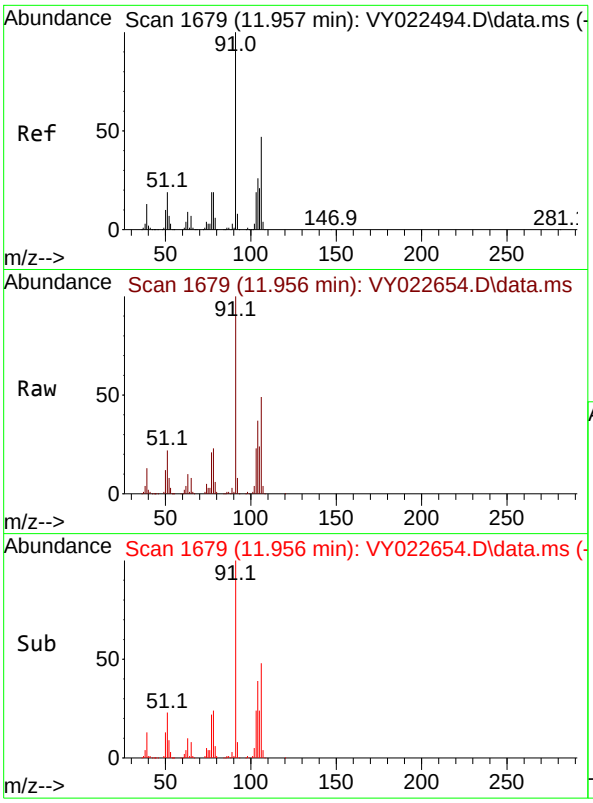


#68
m/p-Xylenes
Concen: 42.072 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:106 Resp: 143316

Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.4	239.0



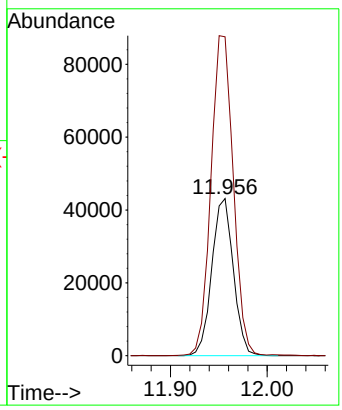


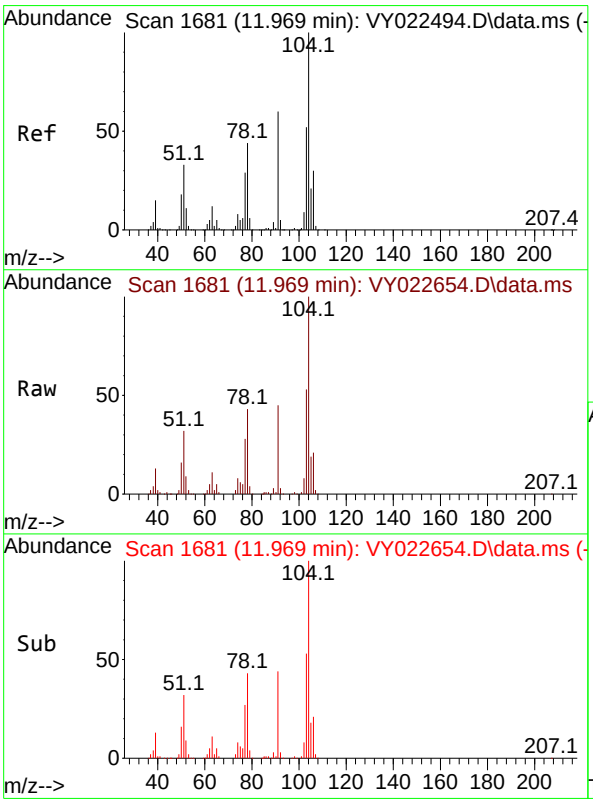
#69
o-Xylene
Concen: 20.891 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:106 Resp: 66721

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

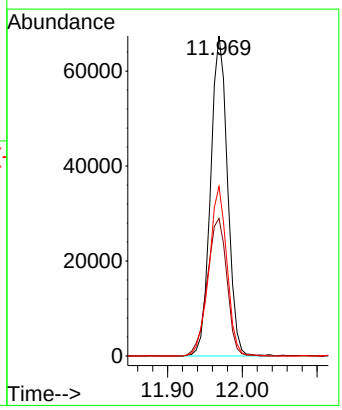


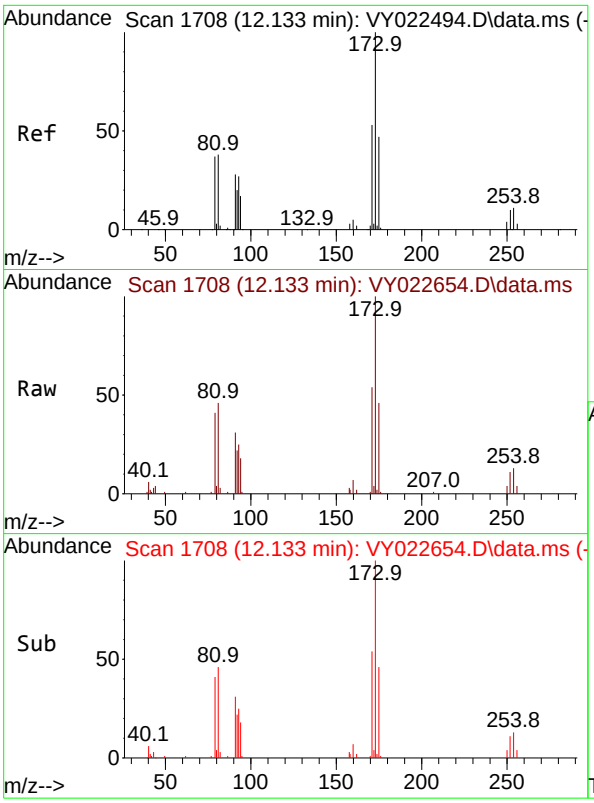


#70
Styrene
Concen: 20.241 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:104 Resp: 106861

Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.5	59.3
103	55.8	44.1	66.1



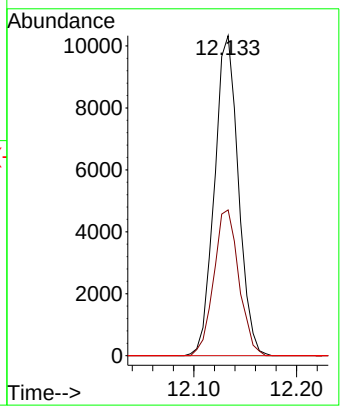


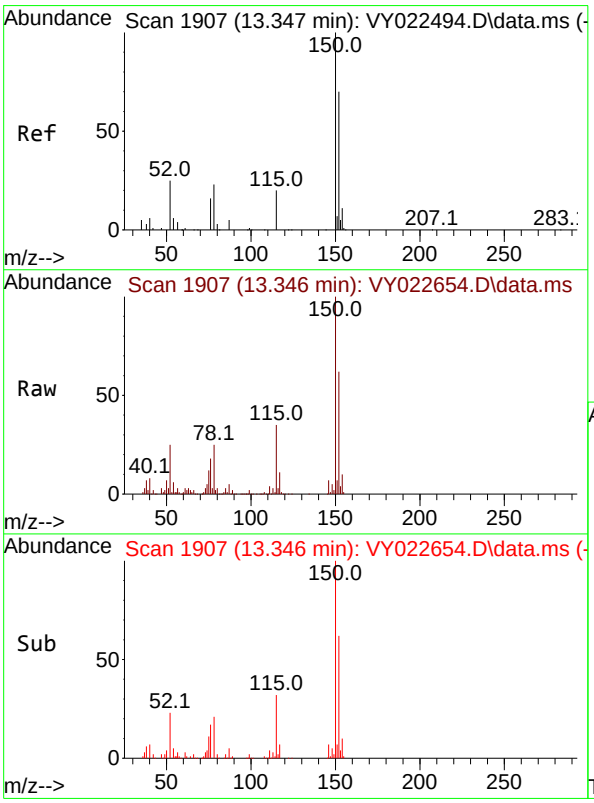
#71
Bromoform
Concen: 19.160 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:173 Resp: 16640

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.5
254	0.0	0.0	0.0

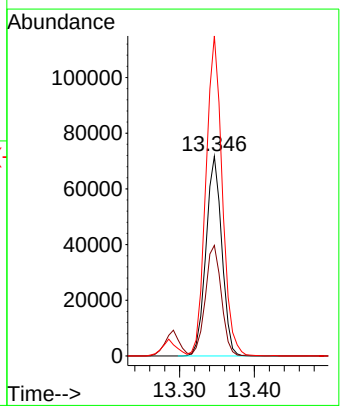


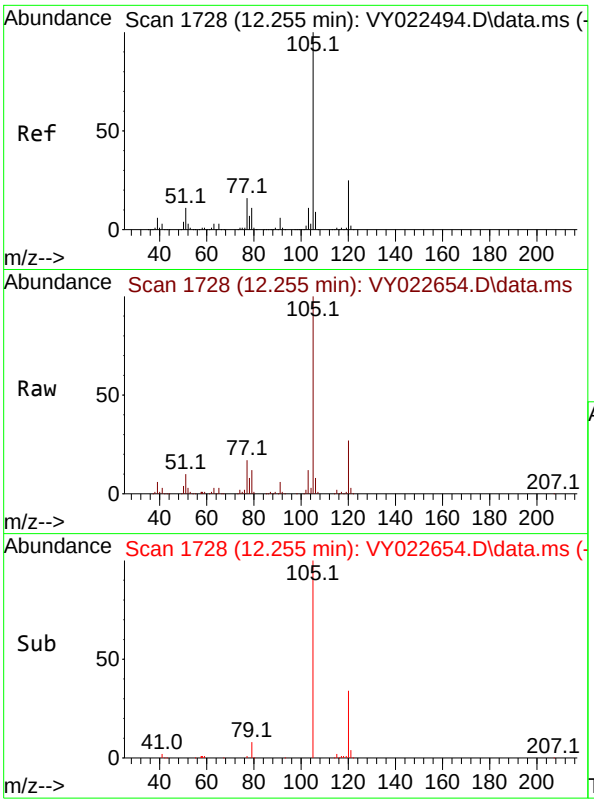


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:152 Resp: 105447

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.9	86.7
150	165.5	0.0	349.6



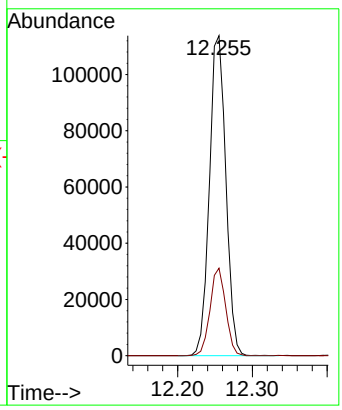


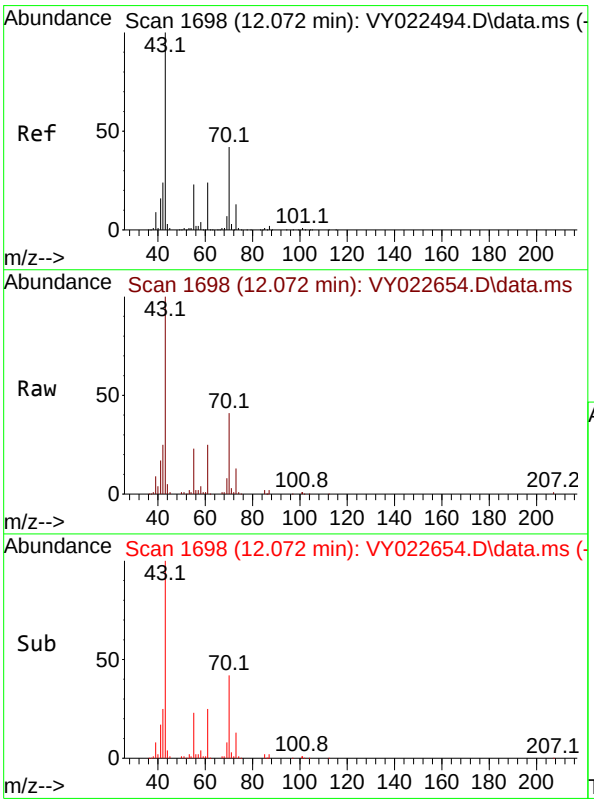
#73
Isopropylbenzene
Concen: 20.133 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:105 Resp: 174297

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

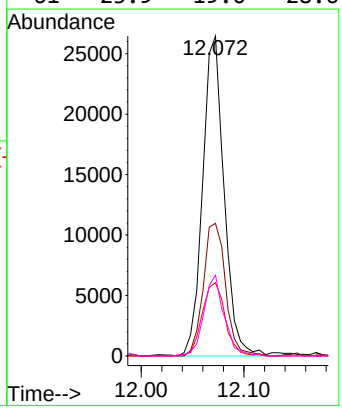


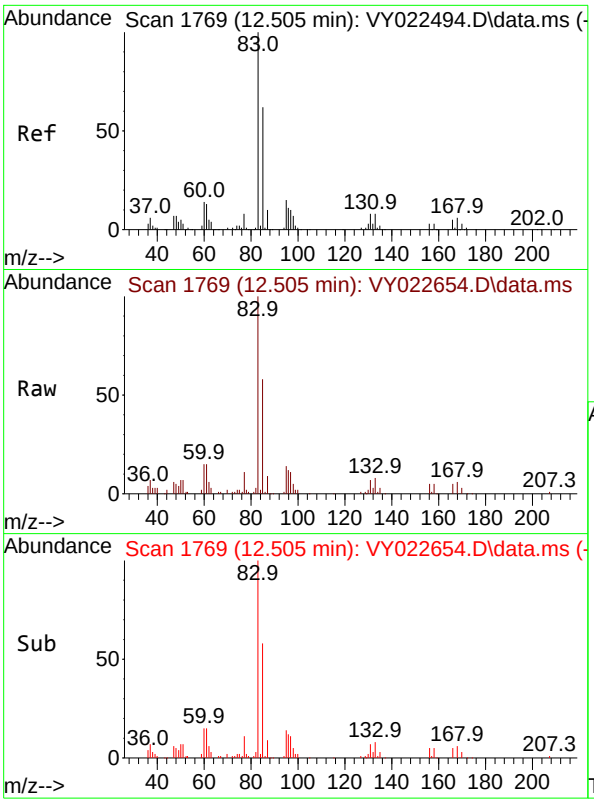


#74
N-amyl acetate
Concen: 17.646 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 43 Resp: 38545

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.2	51.2
55	24.5	18.2	27.4
61	23.9	19.0	28.6



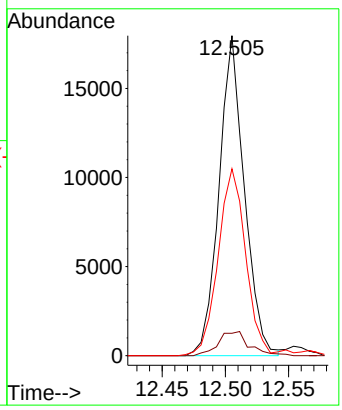


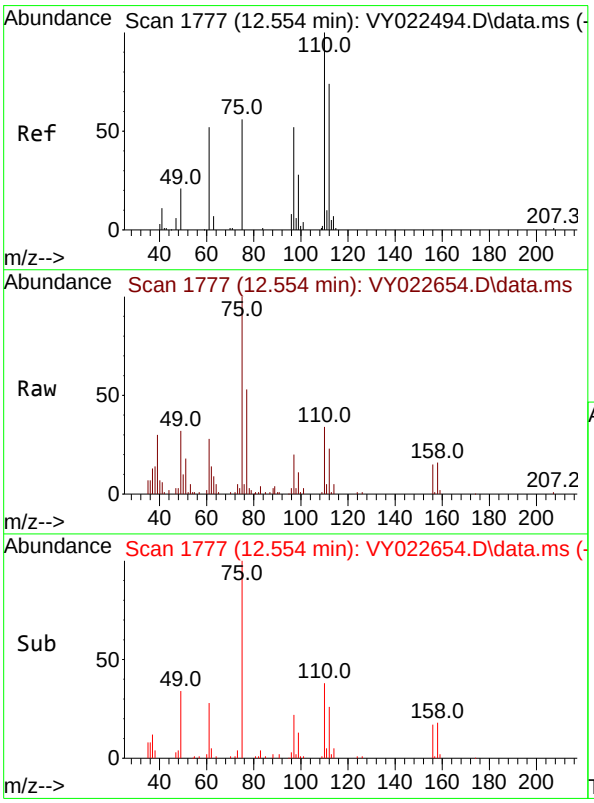
#75
1,1,2,2-Tetrachloroethane
Concen: 17.597 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 83 Resp: 25003

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.6	32.6	97.8

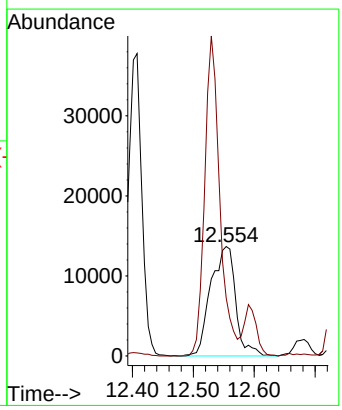


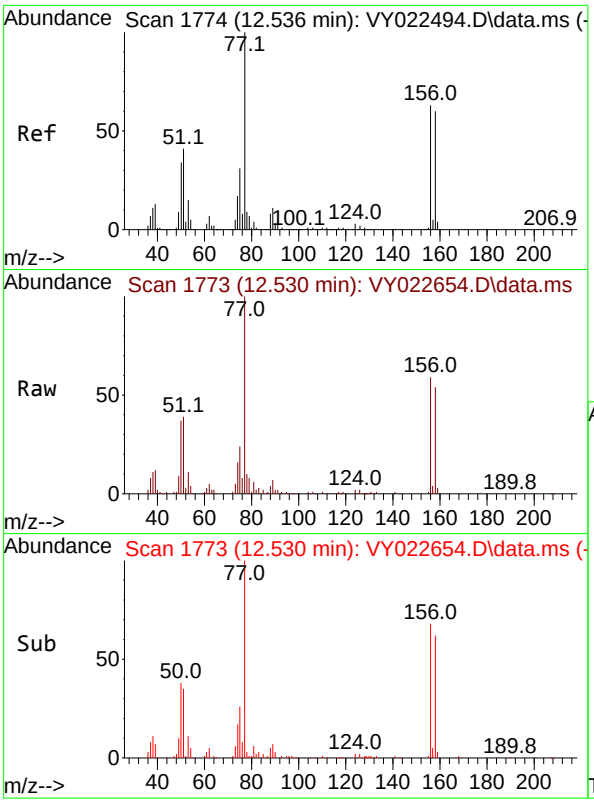


#76
1,2,3-Trichloropropane
Concen: 32.277 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 38937

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



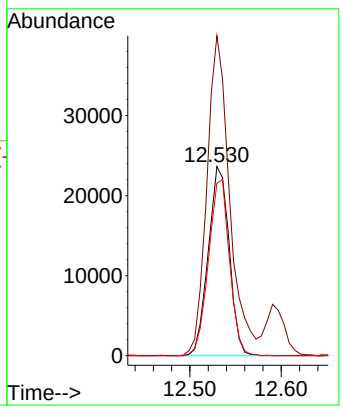


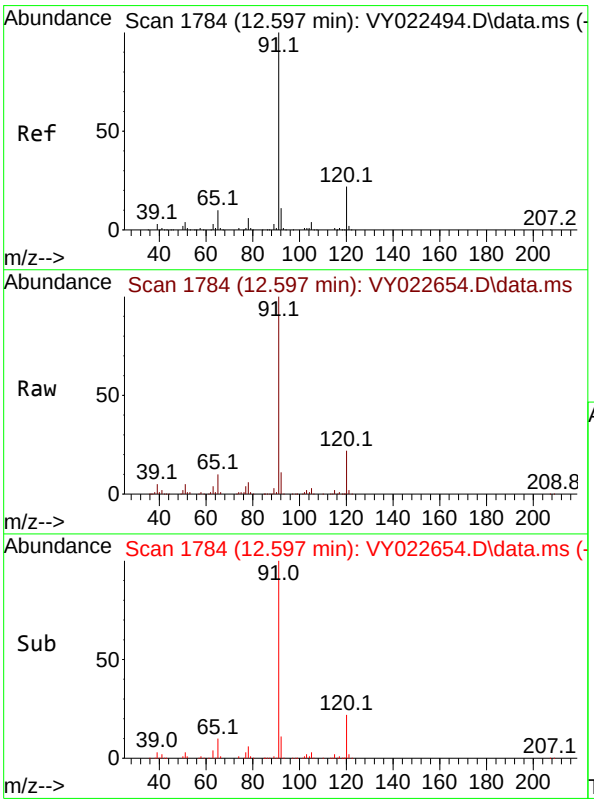
#77
Bromobenzene
Concen: 20.583 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:156 Resp: 37602

Ion	Ratio	Lower	Upper
156	100		
77	183.3	94.0	282.1
158	93.2	48.2	144.6

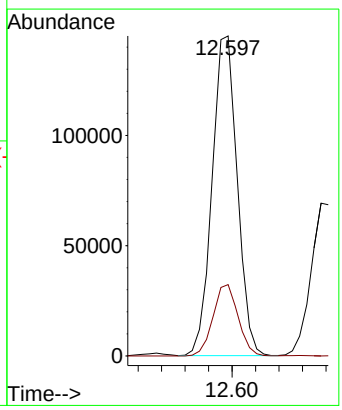


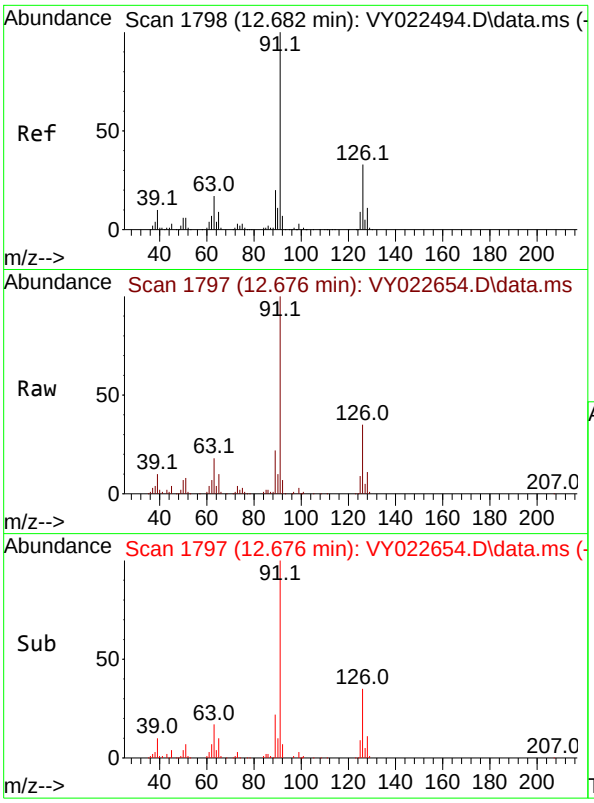


#78
n-propylbenzene
Concen: 20.369 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 215383

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



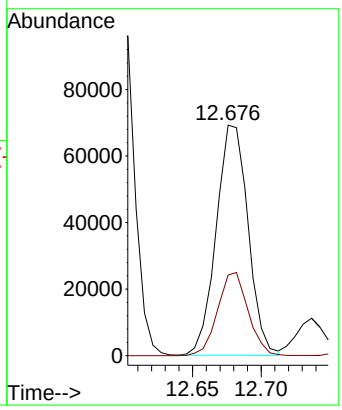


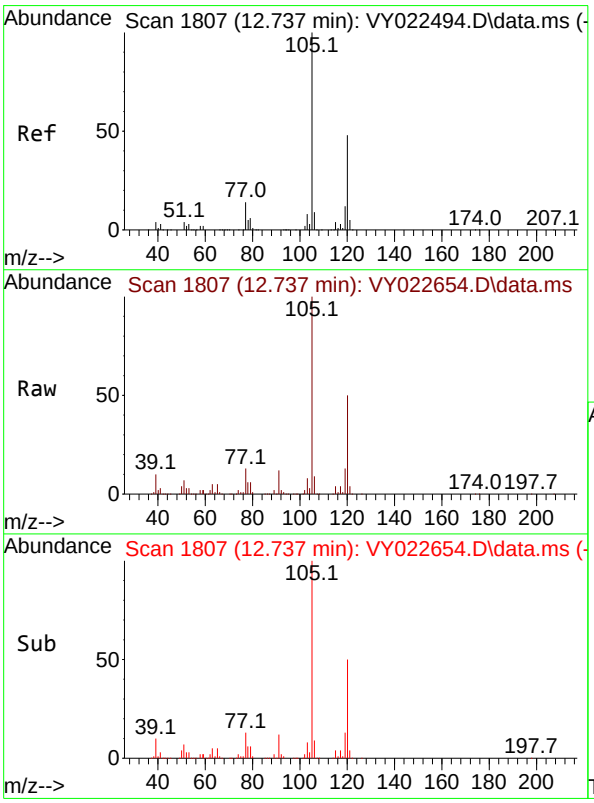
#79
2-Chlorotoluene
Concen: 20.007 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 91 Resp: 112124

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

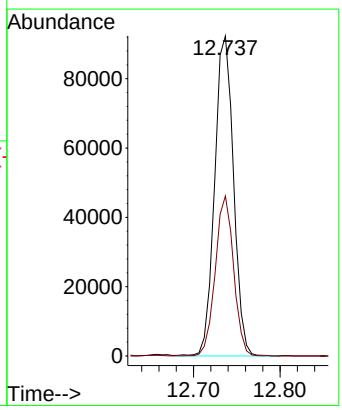


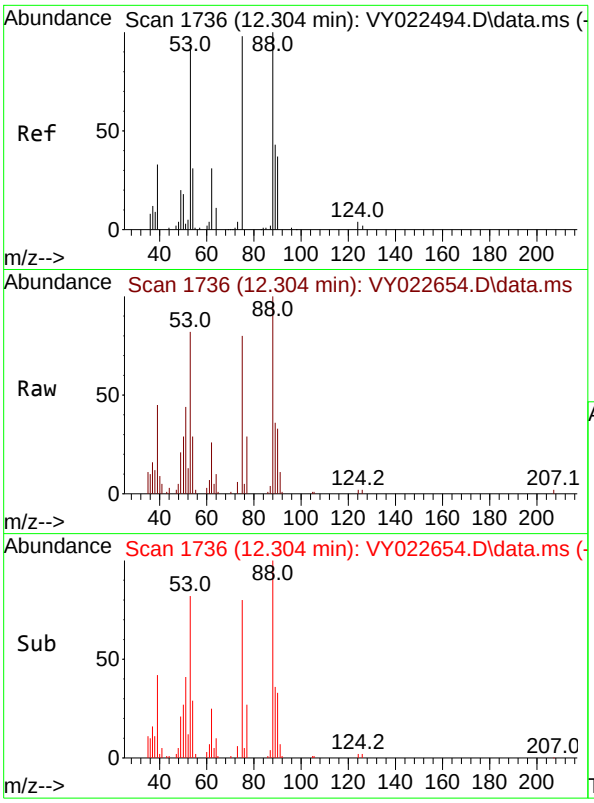


#80
1,3,5-Trimethylbenzene
Concen: 20.548 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:105 Resp: 139655

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.1	72.4



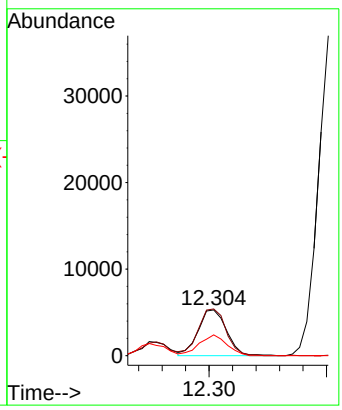


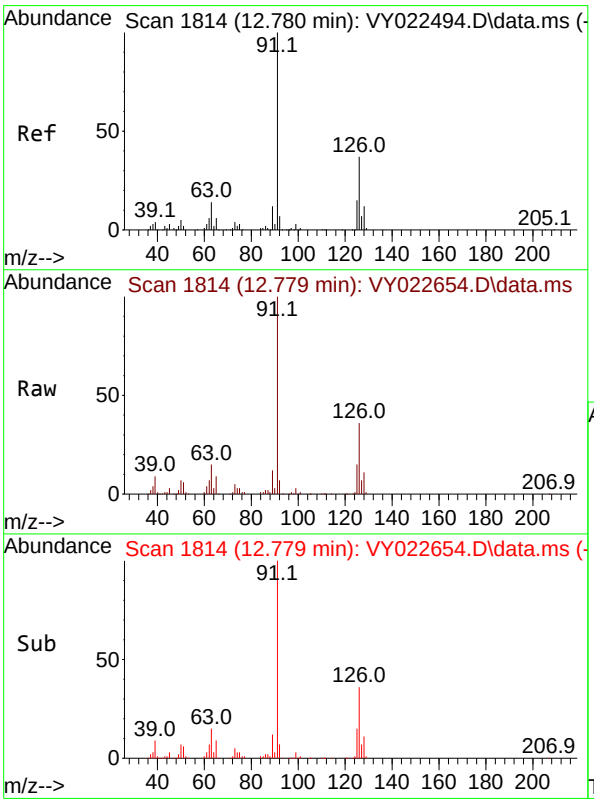
#81
trans-1,4-Dichloro-2-butene
Concen: 17.758 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 75 Resp: 8871

Ion	Ratio	Lower	Upper
75	100		
53	100.1	78.5	117.7
89	43.9	35.7	53.5

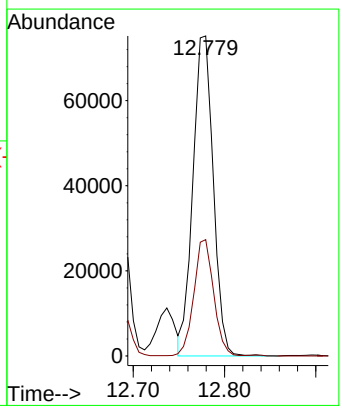


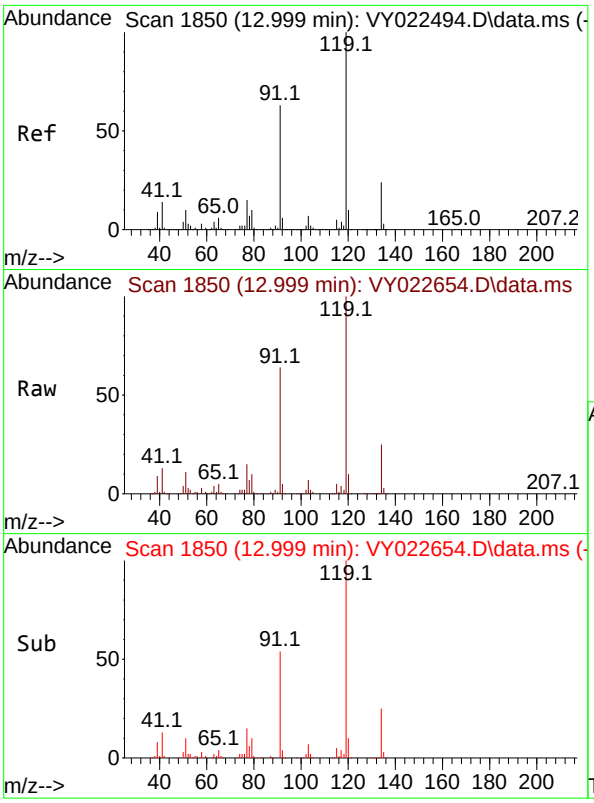


#82
4-Chlorotoluene
Concen: 20.166 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 91 Resp: 116584

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.0	50.9



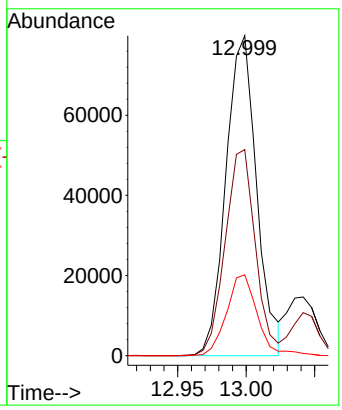


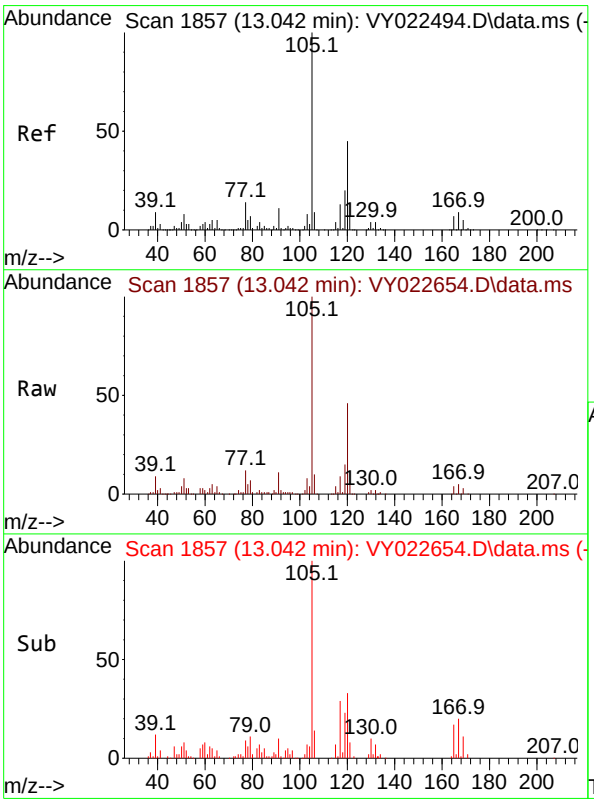
#83
tert-Butylbenzene
Concen: 20.490 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:119 Resp: 124991

Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.1	96.3
134	25.4	13.0	38.9

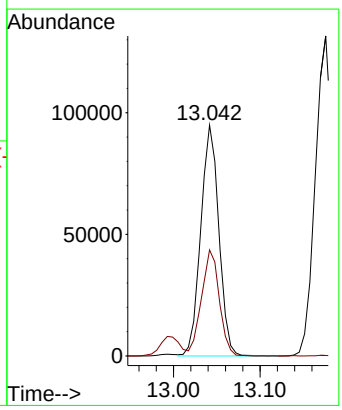


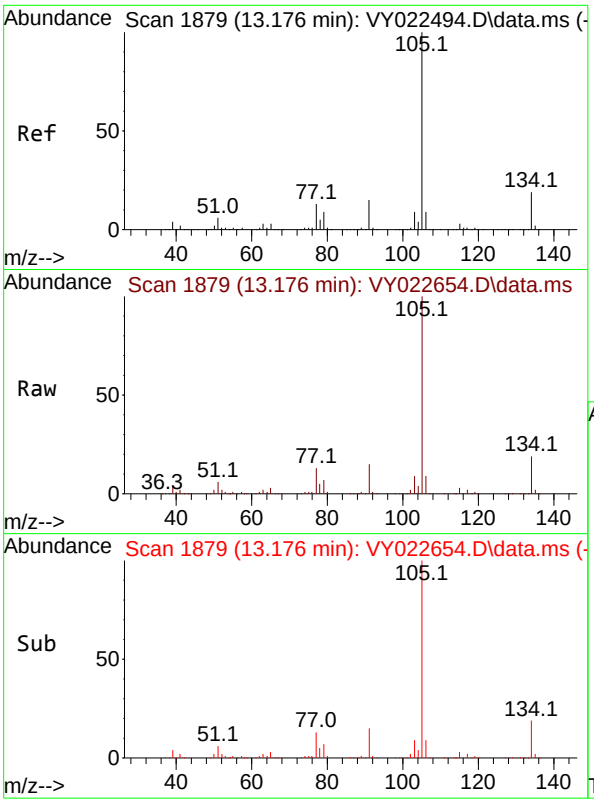


#84
1,2,4-Trimethylbenzene
Concen: 20.248 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:105 Resp: 137643

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1



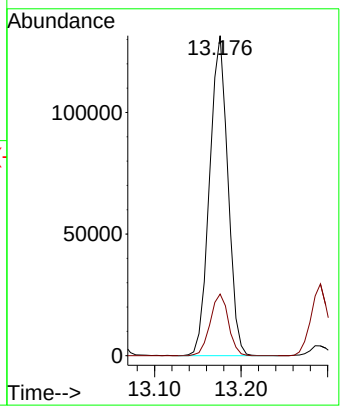


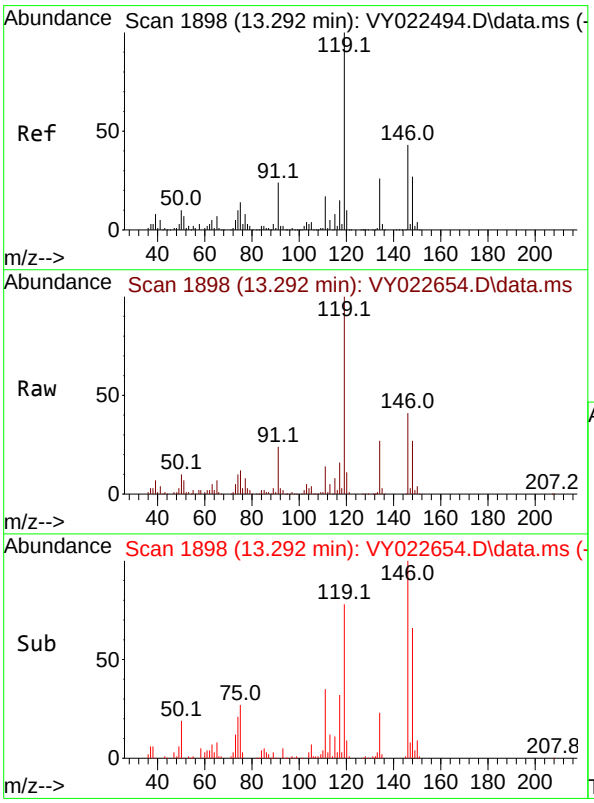
#85
sec-Butylbenzene
Concen: 20.630 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:105 Resp: 192733

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

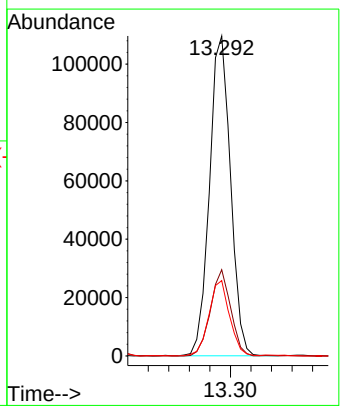


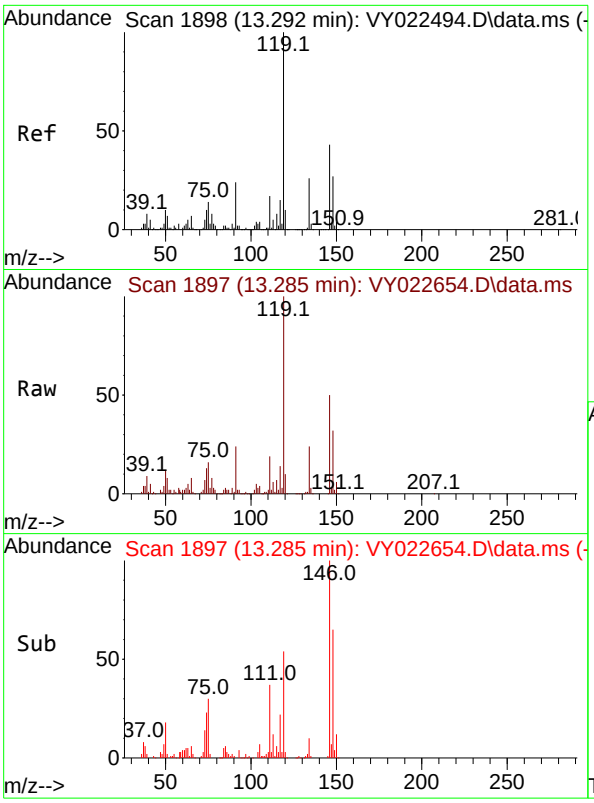


#86
p-Isopropyltoluene
Concen: 20.196 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:119 Resp: 155523

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8



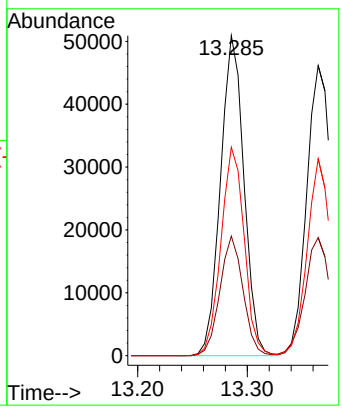


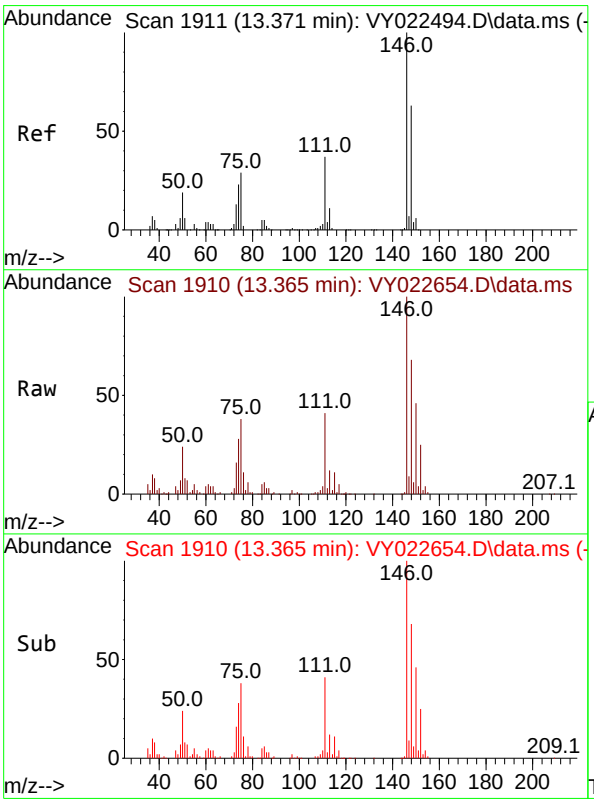
#87
1,3-Dichlorobenzene
Concen: 20.448 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:146 Resp: 75686

Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.1	60.2
148	64.7	32.1	96.3

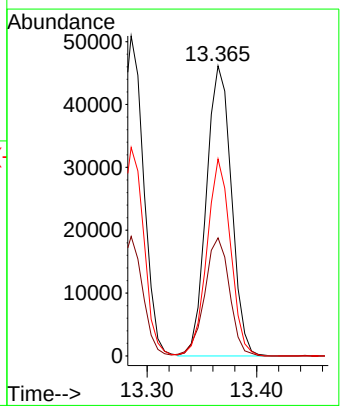


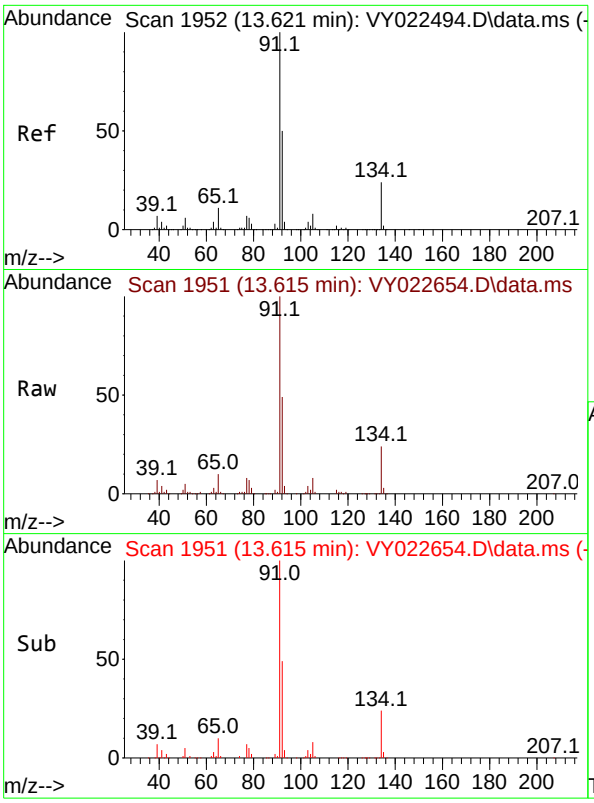


#88
1,4-Dichlorobenzene
Concen: 20.409 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:146 Resp: 73268

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.4	58.2
148	64.3	31.6	94.8



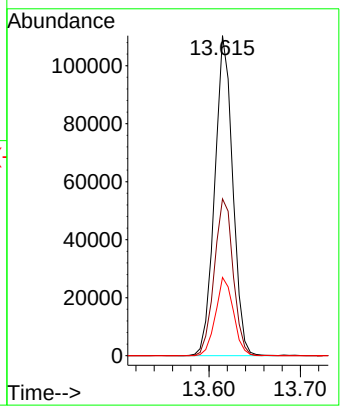


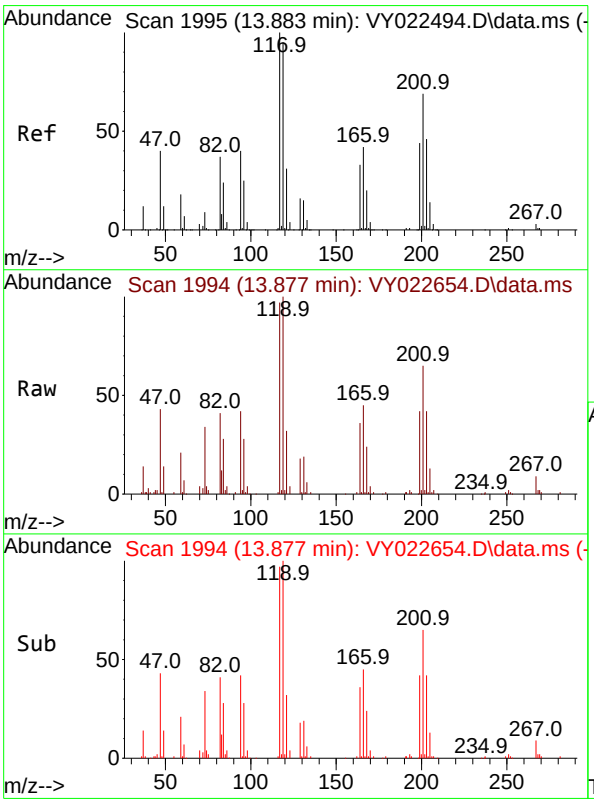
#89
n-Butylbenzene
Concen: 20.720 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion: 91 Resp: 151386

Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.8
134	24.3	12.0	36.1

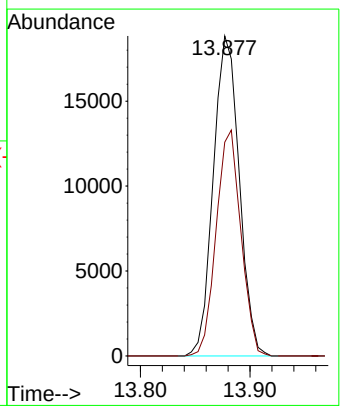


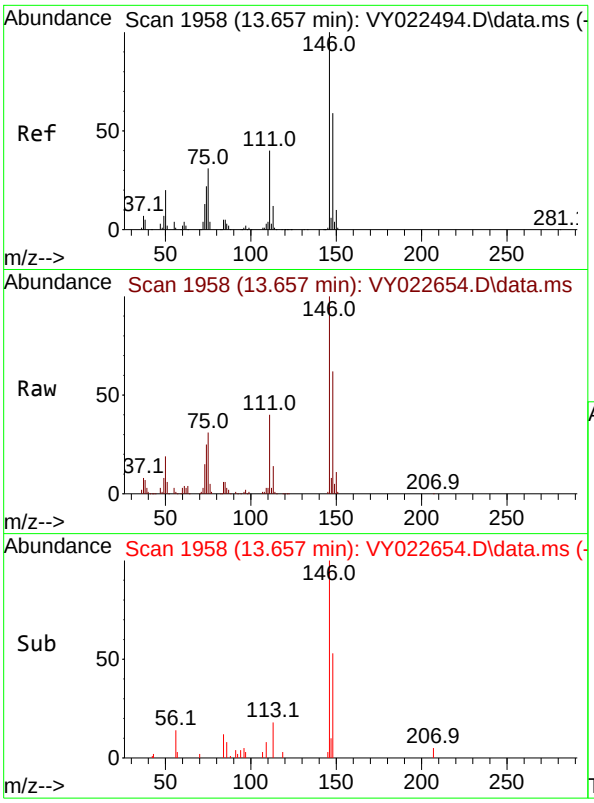


#90
Hexachloroethane
Concen: 20.674 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:117 Resp: 30995

Ion	Ratio	Lower	Upper
117	100		
201	67.3	34.0	102.0



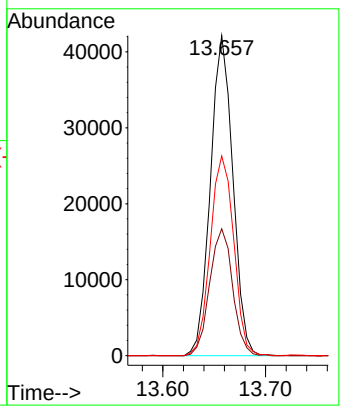


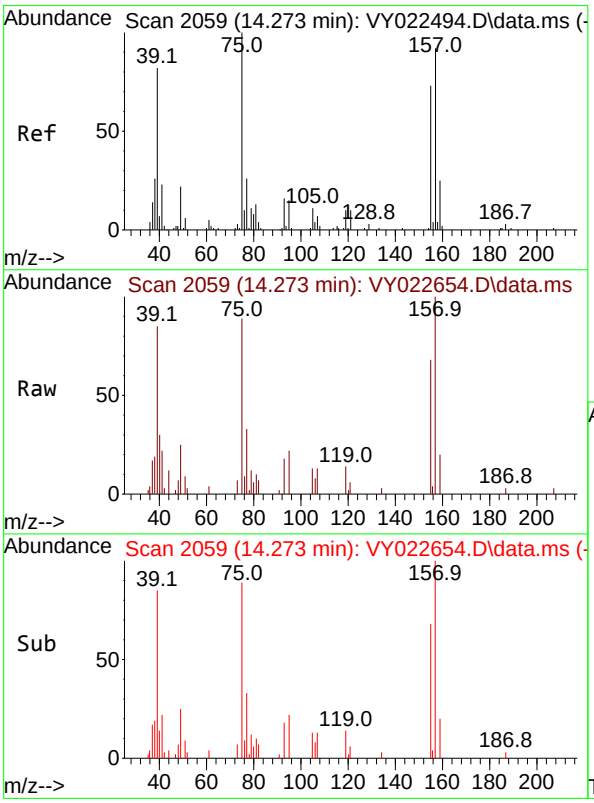
#91
1,2-Dichlorobenzene
Concen: 20.327 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:146 Resp: 63879

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	65.2	31.4	94.0

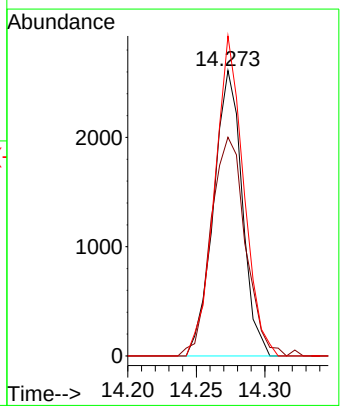


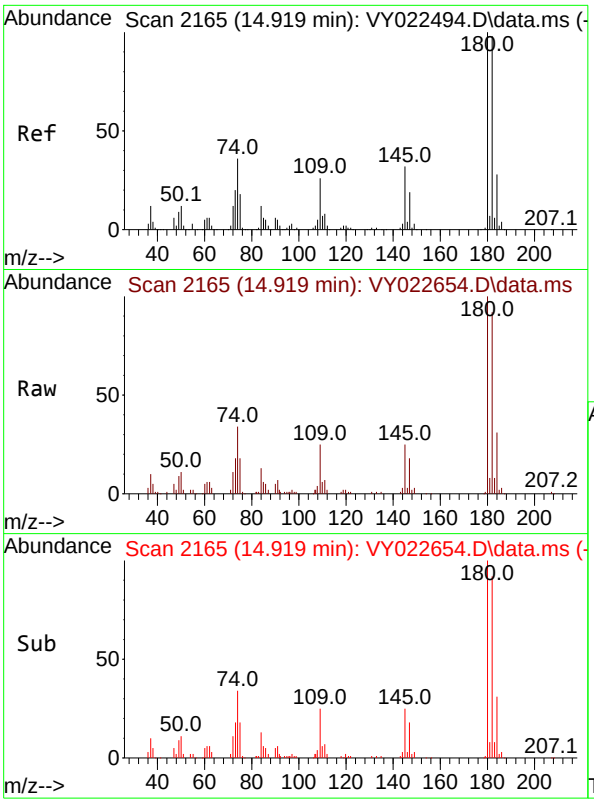


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.311 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion: 75 Resp: 3788

Ion	Ratio	Lower	Upper
75	100		
155	92.9	39.9	119.6
157	113.7	54.0	162.0



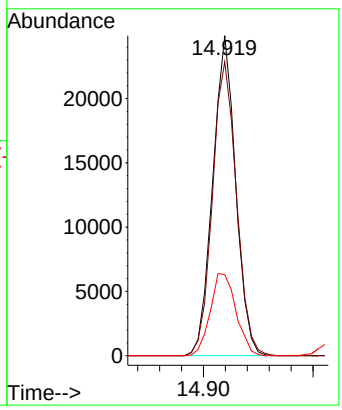


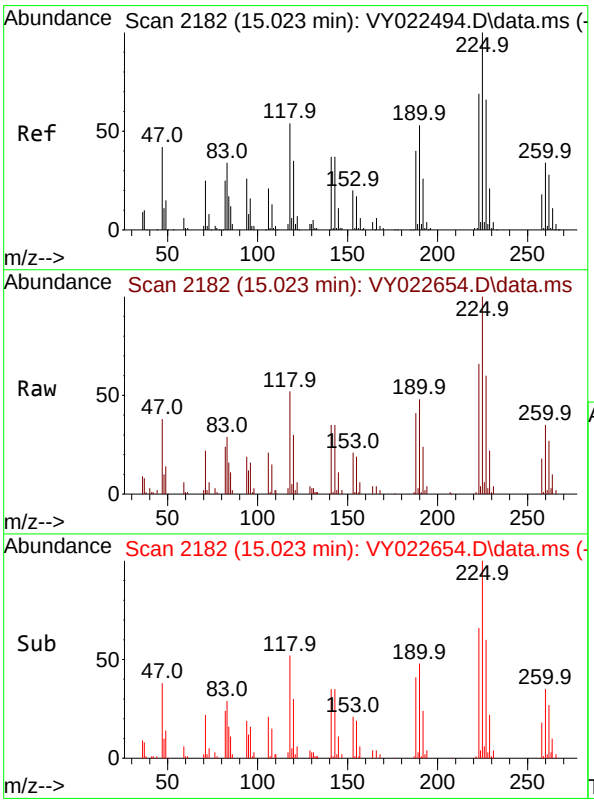
#93
1,2,4-Trichlorobenzene
Concen: 21.098 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:180 Resp: 36161

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.3
145	28.9	15.5	46.5

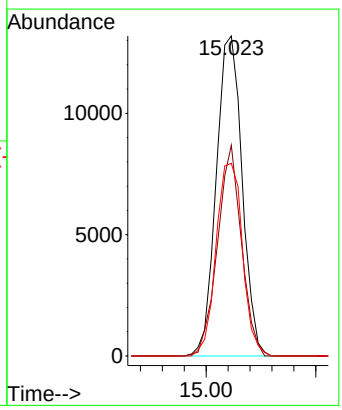


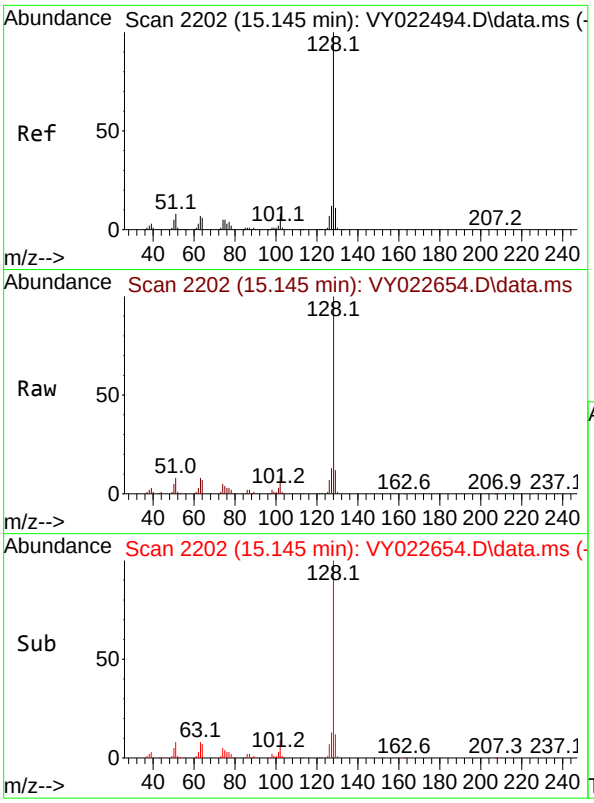


#94
Hexachlorobutadiene
Concen: 22.834 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:225 Resp: 21601

Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.5	97.4
227	61.5	32.3	96.9



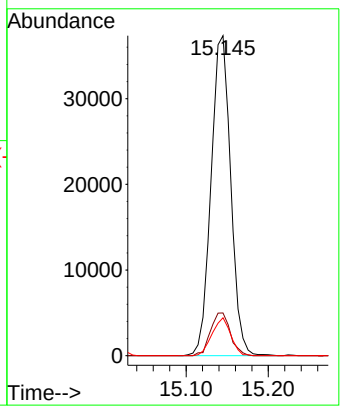


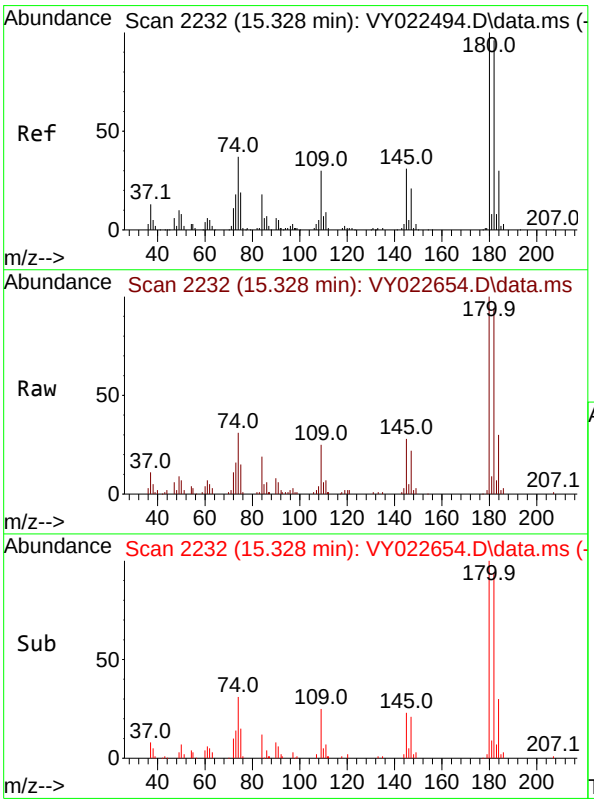
#95
Naphthalene
Concen: 18.852 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBS01

Tgt Ion:128 Resp: 62008

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.3	8.9	13.3

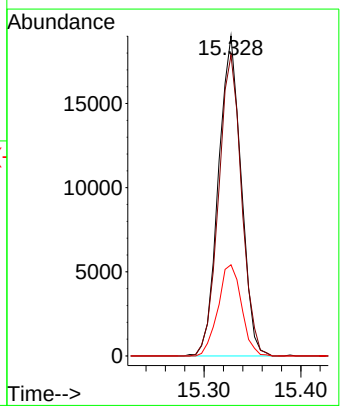




#96
1,2,3-Trichlorobenzene
Concen: 21.038 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022654.D
Acq: 11 Jun 2025 11:01

Tgt Ion:180 Resp: 30902

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.3
145	29.6	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	102308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87123	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.634	113	80454	51.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.109	98	328033	52.037	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.402	95	91618	48.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	30403	22.009	ug/l	98
3) Chloromethane	2.068	50	76247	18.684	ug/l	99
4) Vinyl Chloride	2.202	62	110194	23.276	ug/l	97
5) Bromomethane	2.586	94	101895	22.456	ug/l	98
6) Chloroethane	2.733	64	77966	23.993	ug/l	91
7) Trichlorofluoromethane	3.050	101	100530	25.013	ug/l	98
8) Diethyl Ether	3.452	74	19482	21.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	37758	22.306	ug/l	99
10) Methyl Iodide	4.001	142	35808	19.548	ug/l	99
11) Tert butyl alcohol	4.866	59	13088	106.187	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	33677	20.814	ug/l	96
13) Acrolein	3.653	56	11169	72.712	ug/l	85
14) Allyl chloride	4.379	41	51189	20.153	ug/l	98
15) Acrylonitrile	5.055	53	39623	103.367	ug/l	99
16) Acetone	3.867	43	51236	146.196	ug/l	97
17) Carbon Disulfide	4.104	76	105015	20.273	ug/l	98
18) Methyl Acetate	4.385	43	20954	20.191	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	92788	20.360	ug/l	100
20) Methylene Chloride	4.616	84	45698	22.955	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	39459	21.790	ug/l	84
22) Diisopropyl ether	6.019	45	116281	20.566	ug/l	98
23) Vinyl Acetate	5.958	43	332344	99.313	ug/l	97
24) 1,1-Dichloroethane	5.915	63	71877	21.579	ug/l	99
25) 2-Butanone	6.896	43	59713	118.122	ug/l	98
26) 2,2-Dichloropropane	6.884	77	61544	20.912	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	45141	21.567	ug/l	98
28) Bromochloromethane	7.244	49	30556	21.045	ug/l	100
29) Tetrahydrofuran	7.262	42	32926	100.986	ug/l	99
30) Chloroform	7.421	83	73770	22.360	ug/l	96
31) Cyclohexane	7.701	56	64272	19.382	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	64586	22.053	ug/l	99
36) 1,1-Dichloropropene	7.835	75	53788	21.243	ug/l	99
37) Ethyl Acetate	6.988	43	23488	20.801	ug/l	100
38) Carbon Tetrachloride	7.817	117	55462	21.352	ug/l	92
39) Methylcyclohexane	9.110	83	68129	20.022	ug/l	99
40) Benzene	8.079	78	163413	21.851	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	11060	16.769	ug/l	#	88
42) 1,2-Dichloroethane	8.158	62	44229	21.660	ug/l		98
43) Isopropyl Acetate	8.195	43	48754	19.992	ug/l		96
44) Trichloroethene	8.866	130	39874	21.815	ug/l		97
45) 1,2-Dichloropropane	9.140	63	38405	21.729	ug/l		96
46) Dibromomethane	9.231	93	21044	21.164	ug/l		97
47) Bromodichloromethane	9.427	83	55680	22.084	ug/l		97
48) Methyl methacrylate	9.225	41	20964	18.316	ug/l		94
49) 1,4-Dioxane	9.238	88	4781	405.855	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.000	43	119284	98.107	ug/l		96
52) Toluene	10.170	92	101252	21.544	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	48733	20.629	ug/l		94
54) cis-1,3-Dichloropropene	9.853	75	57255	20.820	ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	27620	21.784	ug/l		96
56) Ethyl methacrylate	10.439	69	35231	19.225	ug/l		99
57) 1,3-Dichloropropane	10.719	76	48083	21.396	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	84651	101.741	ug/l		99
59) 2-Hexanone	10.762	43	88514	108.852	ug/l		99
60) Dibromochloromethane	10.914	129	34405	21.352	ug/l		98
61) 1,2-Dibromoethane	11.012	107	24433	21.142	ug/l		98
64) Tetrachloroethene	10.646	164	45809	24.611	ug/l		97
65) Chlorobenzene	11.438	112	104686	21.864	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	33988	21.071	ug/l		97
67) Ethyl Benzene	11.518	91	184235	20.745	ug/l		98
68) m/p-Xylenes	11.627	106	140858	41.839	ug/l		100
69) o-Xylene	11.950	106	65306	20.690	ug/l		100
70) Styrene	11.969	104	108428	20.781	ug/l		98
71) Bromoform	12.133	173	17443	20.322	ug/l	#	97
73) Isopropylbenzene	12.255	105	175327	20.874	ug/l		100
74) N-amyl acetate	12.066	43	40443	19.083	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	26860	19.484	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	39716	33.933	ug/l	#	100
77) Bromobenzene	12.530	156	37003	20.876	ug/l		99
78) n-propylbenzene	12.591	91	215673	21.023	ug/l		99
79) 2-Chlorotoluene	12.676	91	111836	20.568	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	136959	20.769	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	8836	18.231	ug/l		94
82) 4-Chlorotoluene	12.774	91	114316	20.380	ug/l		96
83) tert-Butylbenzene	12.993	119	122545	20.705	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	135799	20.590	ug/l		99
85) sec-Butylbenzene	13.170	105	191535	21.130	ug/l		100
86) p-Isopropyltoluene	13.292	119	155151	20.765	ug/l		98
87) 1,3-Dichlorobenzene	13.286	146	76368	21.265	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	75907	21.792	ug/l		100
89) n-Butylbenzene	13.615	91	148942	21.011	ug/l		99
90) Hexachloroethane	13.877	117	31366	21.563	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	65316	21.421	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4000	19.929	ug/l		88
93) 1,2,4-Trichlorobenzene	14.919	180	34227	20.582	ug/l		98
94) Hexachlorobutadiene	15.023	225	20570	22.411	ug/l		98
95) Naphthalene	15.139	128	65657	20.574	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	29376	20.612	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

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

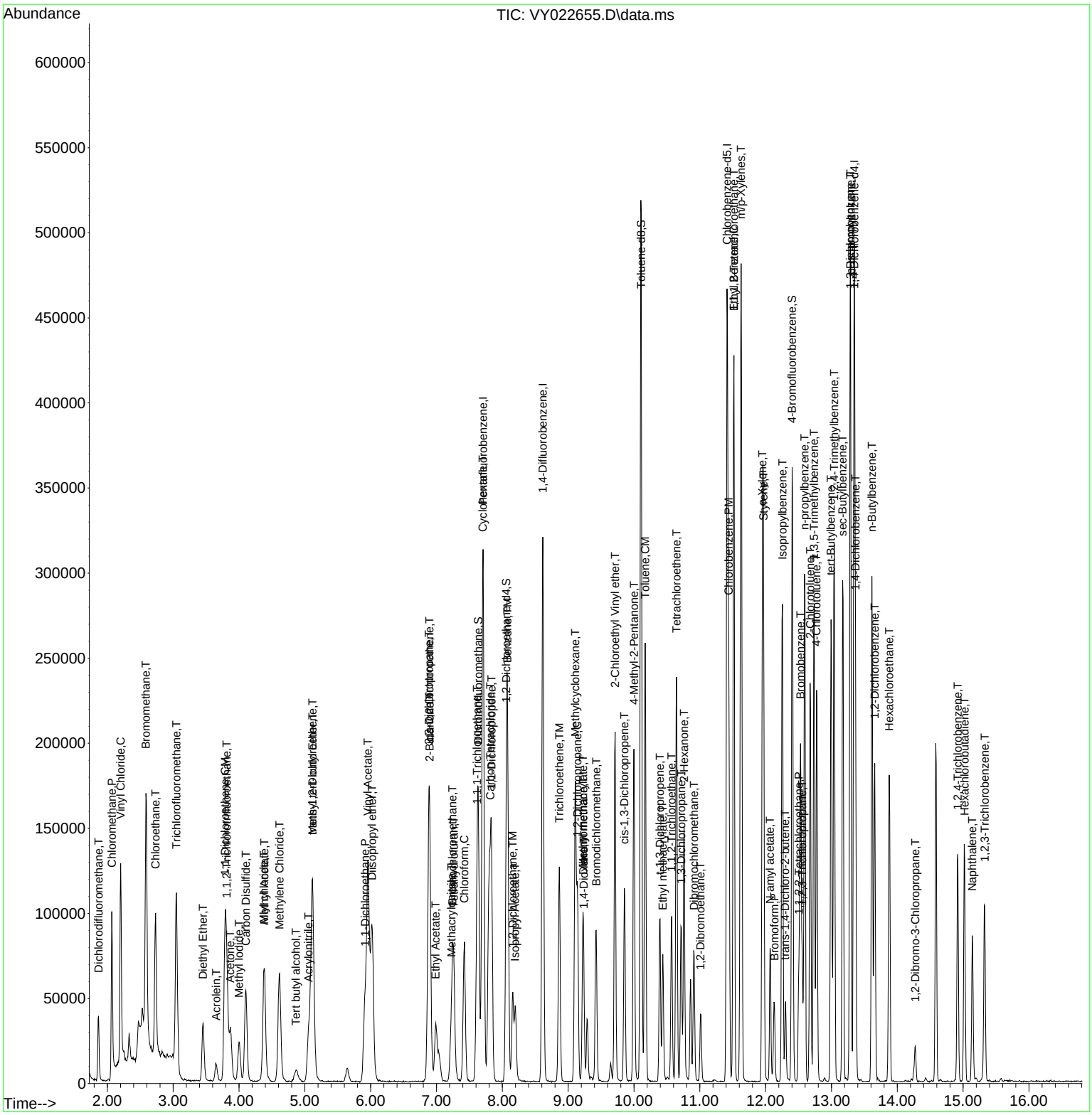
(#) = qualifier out of range (m) = manual integration (+) = signals summed

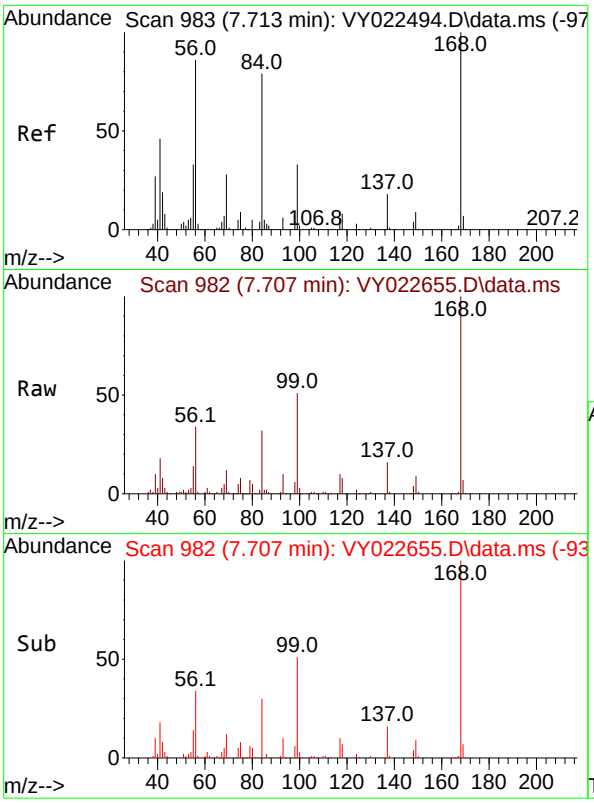
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022655.D
Acq On : 11 Jun 2025 11:23
Operator : SY/MD
Sample : VY0611SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Quant Time: Jun 12 05:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



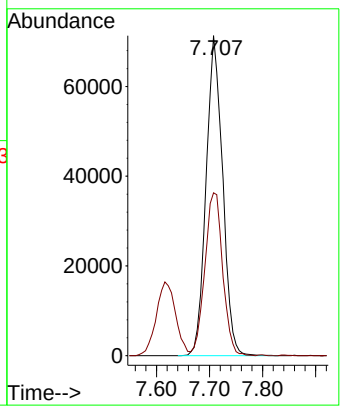


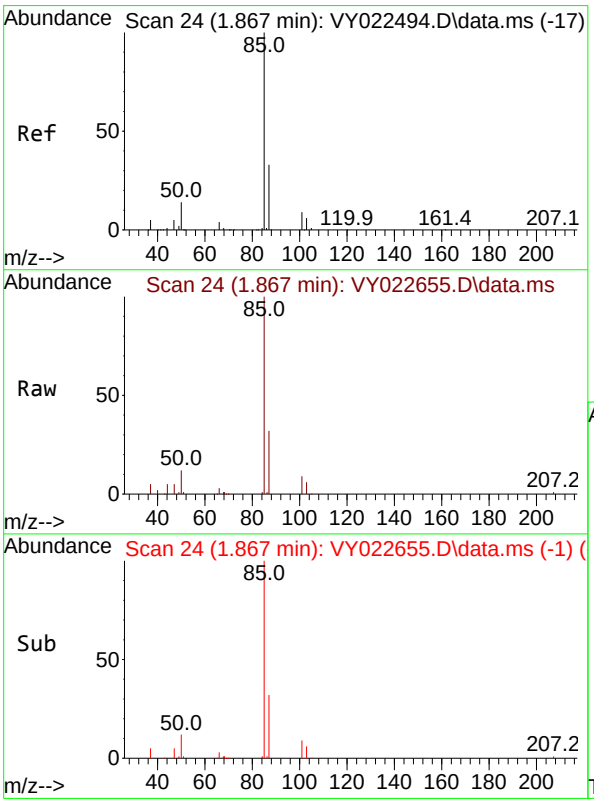
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:168 Resp: 154293

Ion	Ratio	Lower	Upper
168	100		
99	50.9	44.3	66.5

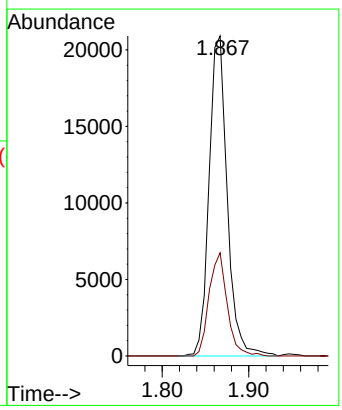


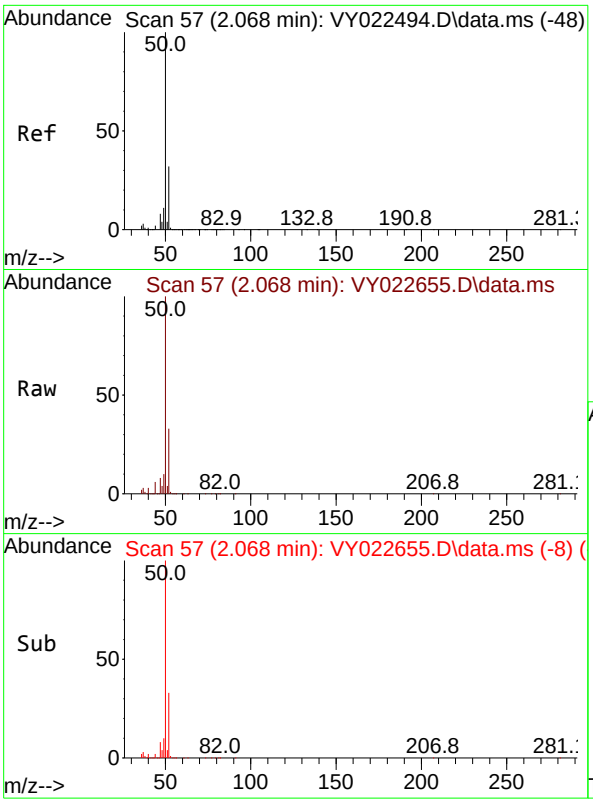


#2
Dichlorodifluoromethane
Concen: 22.009 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 85 Resp: 30403

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.7	50.0



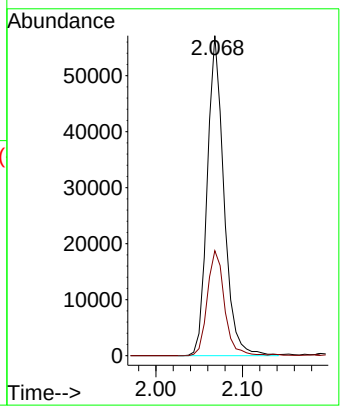


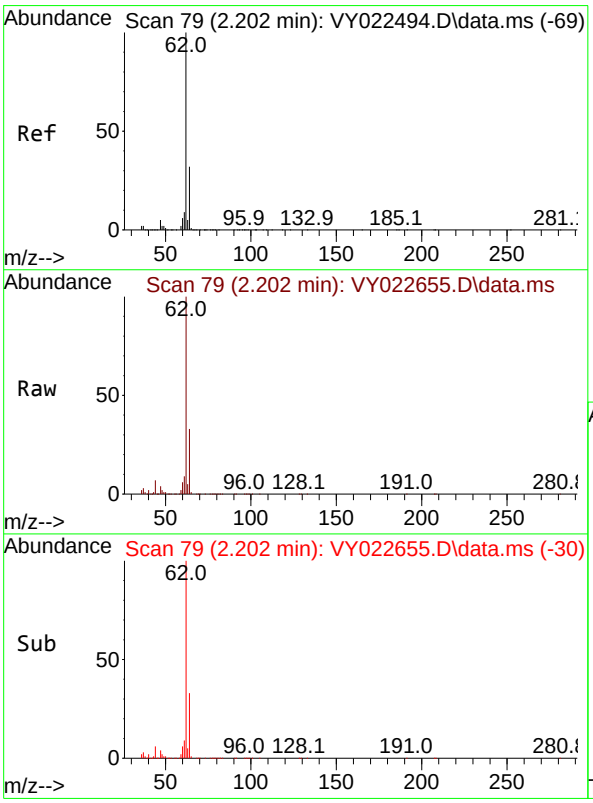
#3
Chloromethane
Concen: 18.684 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 50 Resp: 76247

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.0	39.0

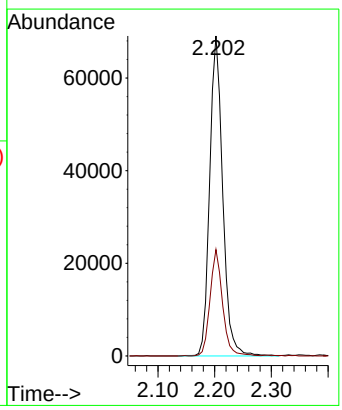


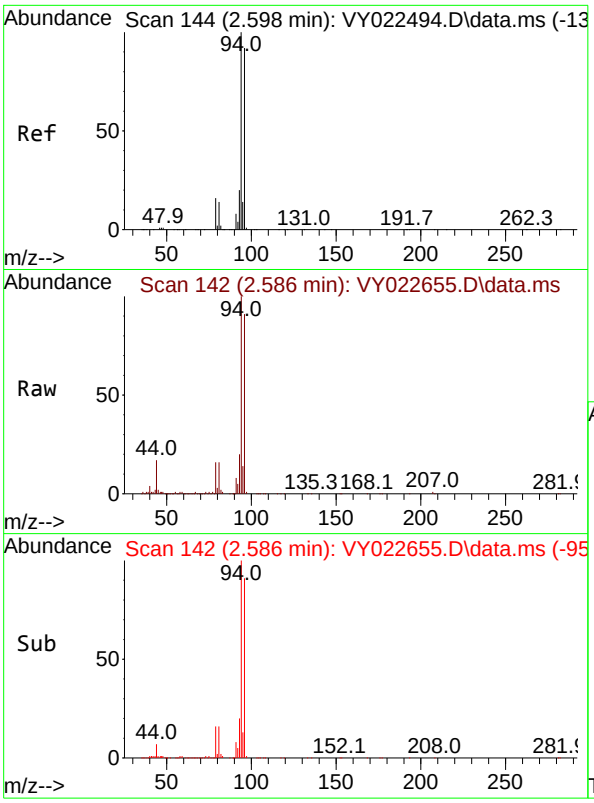


#4
Vinyl Chloride
Concen: 23.276 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 62 Resp: 110194

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9



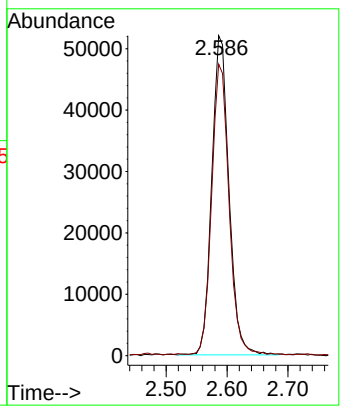


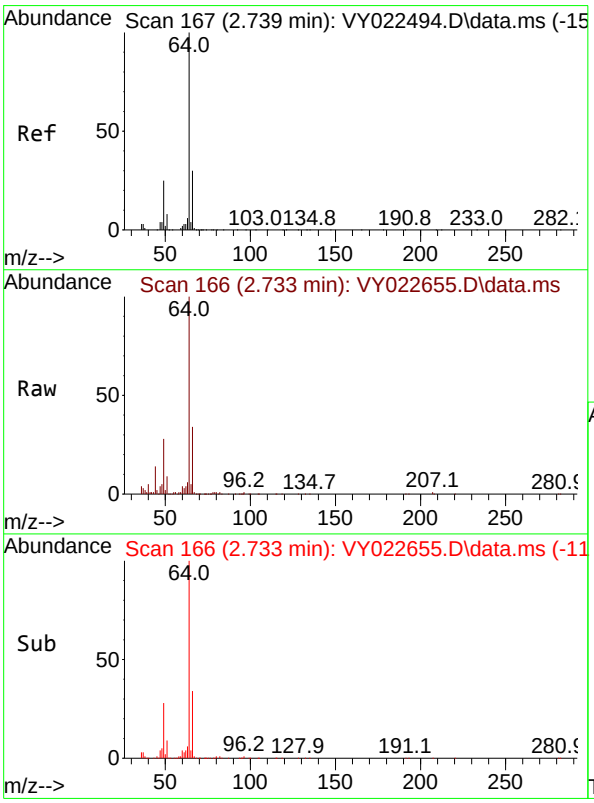
#5
Bromomethane
Concen: 22.456 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 94 Resp: 101895

Ion	Ratio	Lower	Upper
94	100		
96	90.7	74.0	111.0

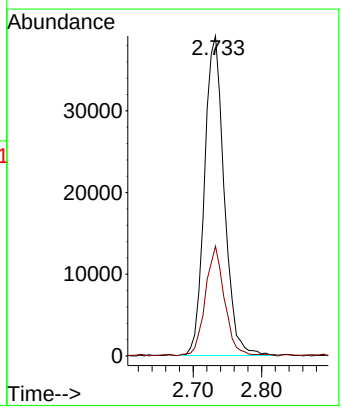


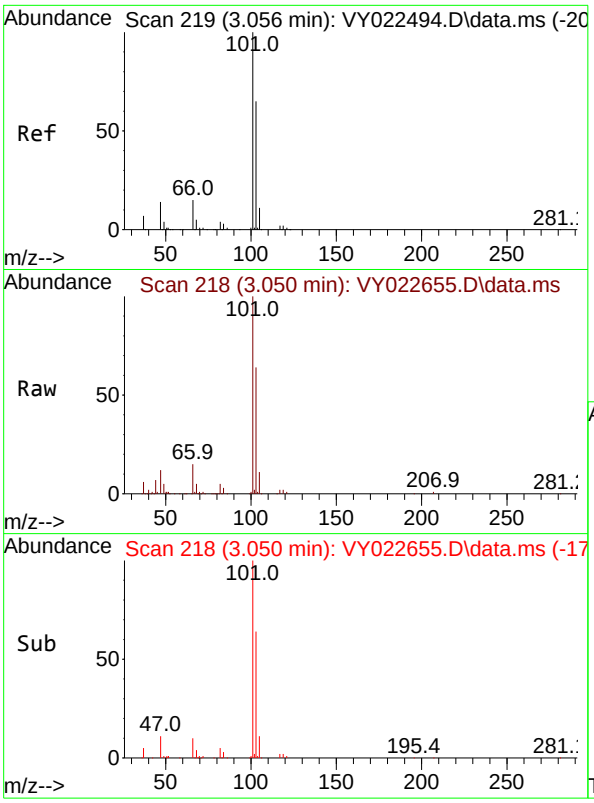


#6
Chloroethane
Concen: 23.993 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 64 Resp: 77966

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.8	35.6



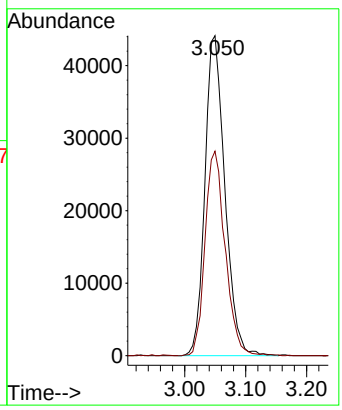


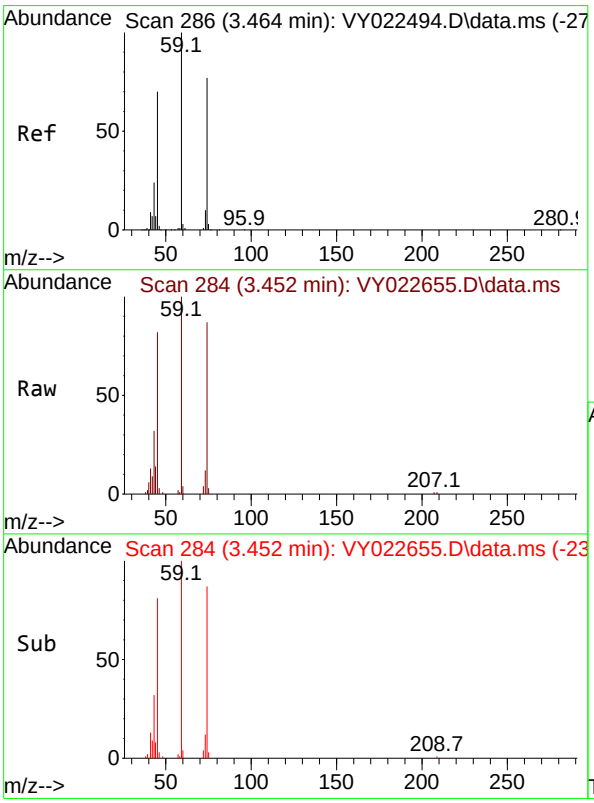
#7
Trichlorofluoromethane
Concen: 25.013 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:101 Resp: 100530

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.2

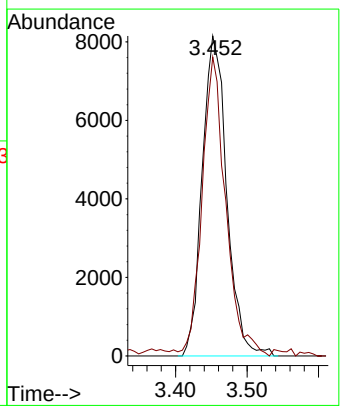


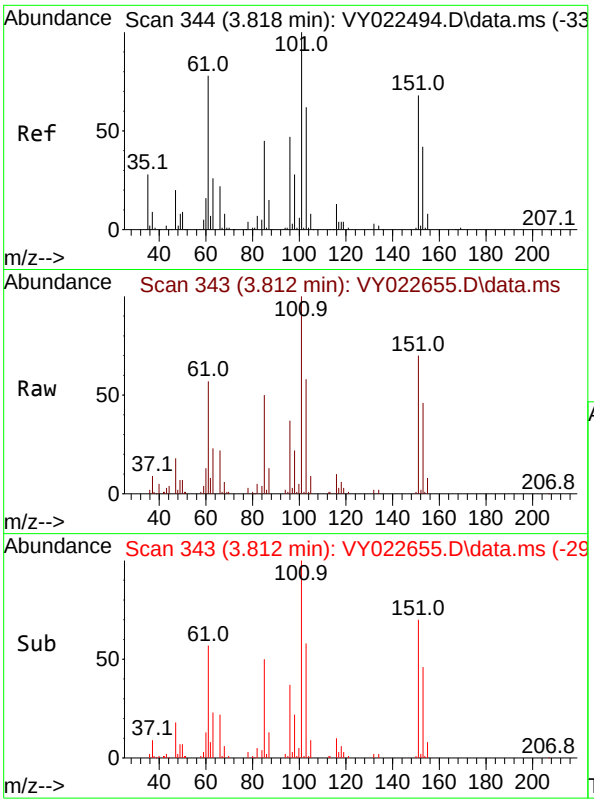


#8
Diethyl Ether
Concen: 21.525 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 74 Resp: 19482

Ion	Ratio	Lower	Upper
74	100		
45	89.9	45.9	137.6



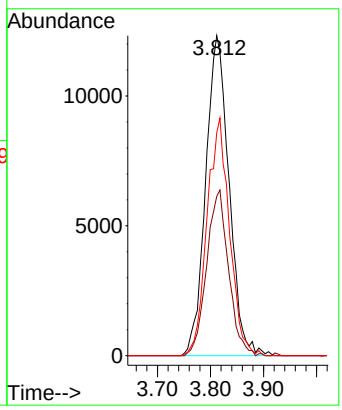


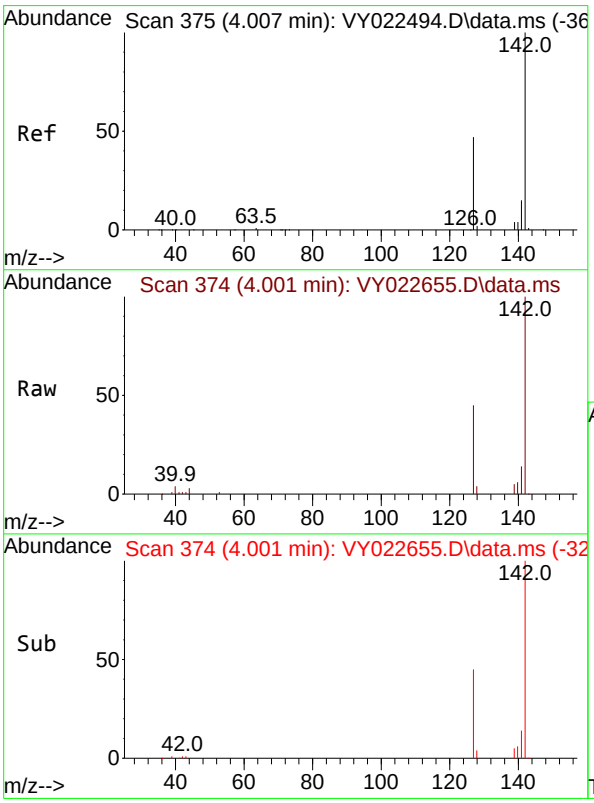
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.306 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:101 Resp: 37758

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

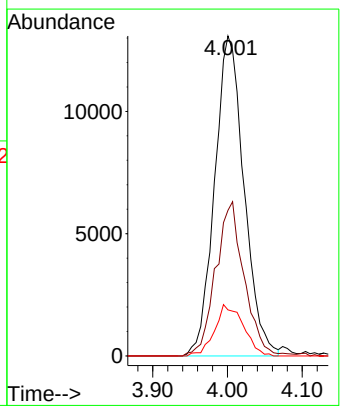


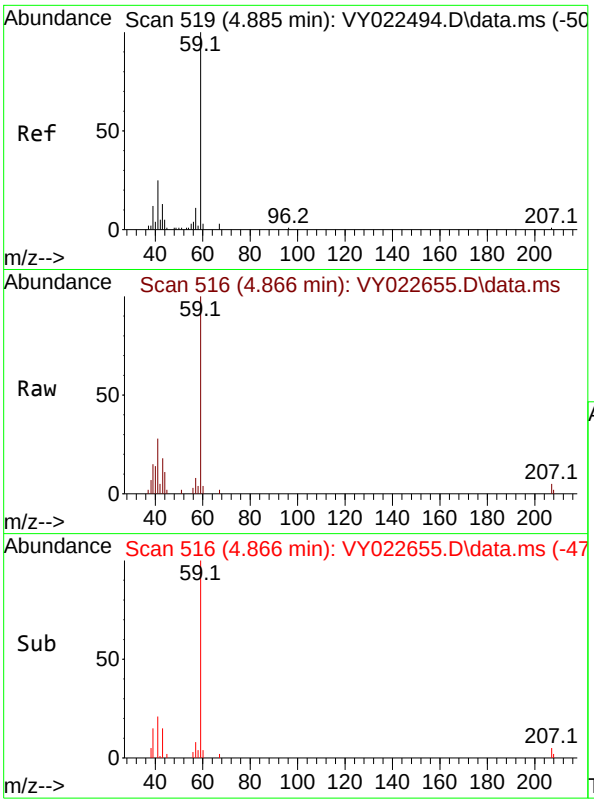


#10
Methyl Iodide
Concen: 19.548 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:142 Resp: 35808

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	15.7	11.4	17.2



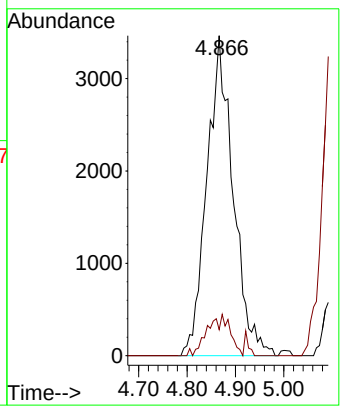


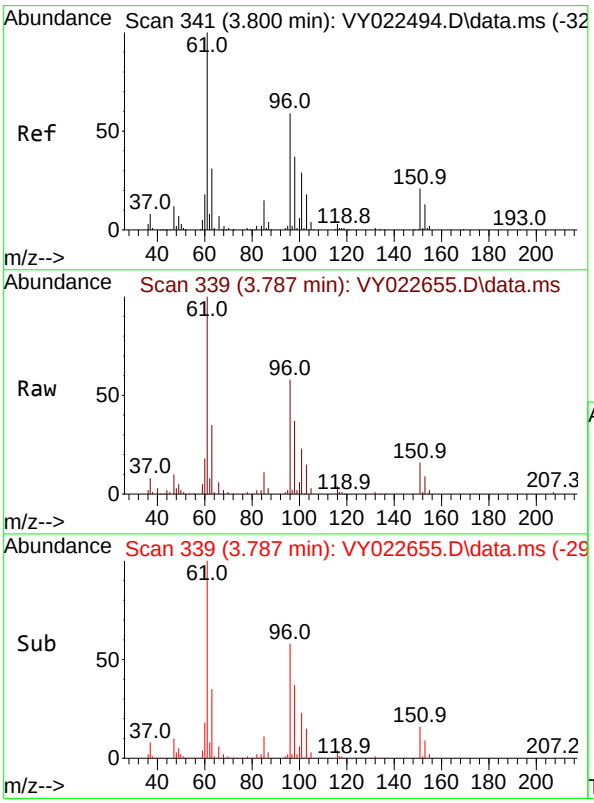
#11
Tert butyl alcohol
Concen: 106.187 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 59 Resp: 13088

Ion	Ratio	Lower	Upper
59	100		
57	6.4	8.0	12.0#

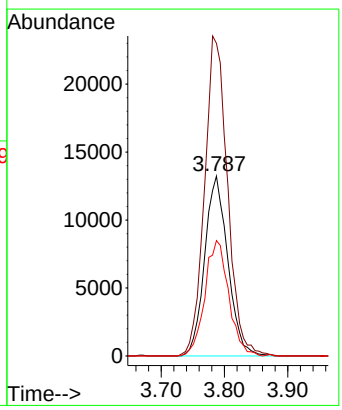


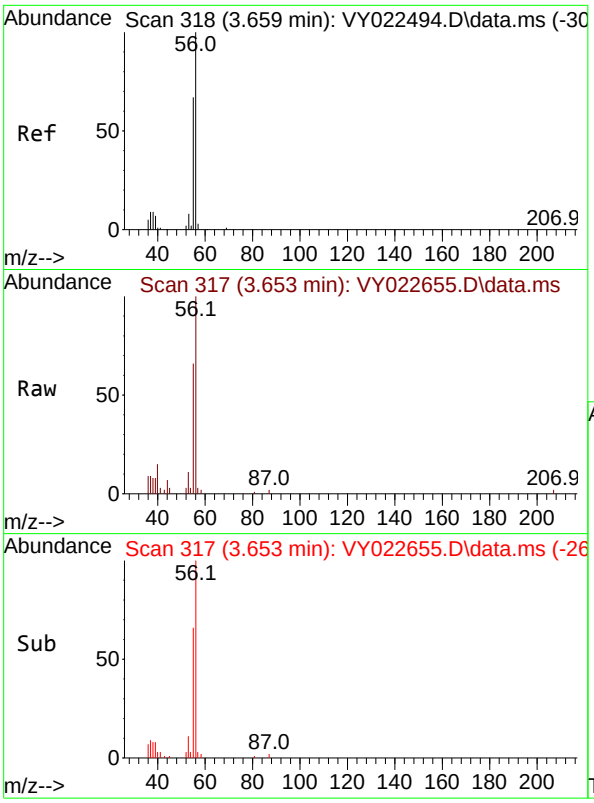


#12
1,1-Dichloroethene
Concen: 20.814 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 96 Resp: 33677

Ion	Ratio	Lower	Upper
96	100		
61	173.9	134.6	201.8
98	64.2	50.2	75.4



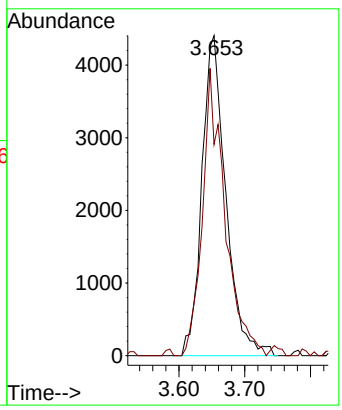


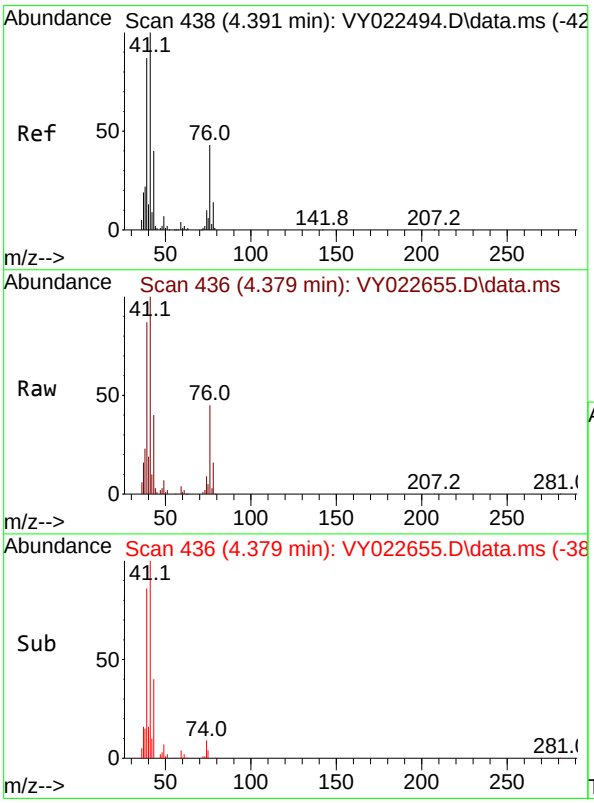
#13
Acrolein
Concen: 72.712 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 56 Resp: 11169

Ion	Ratio	Lower	Upper
56	100		
55	83.9	57.0	85.6

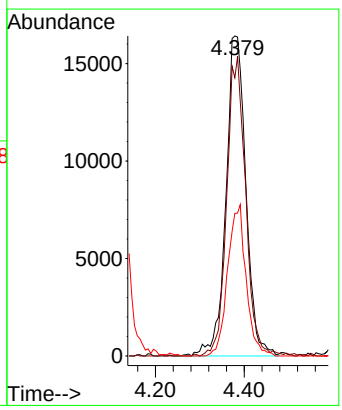


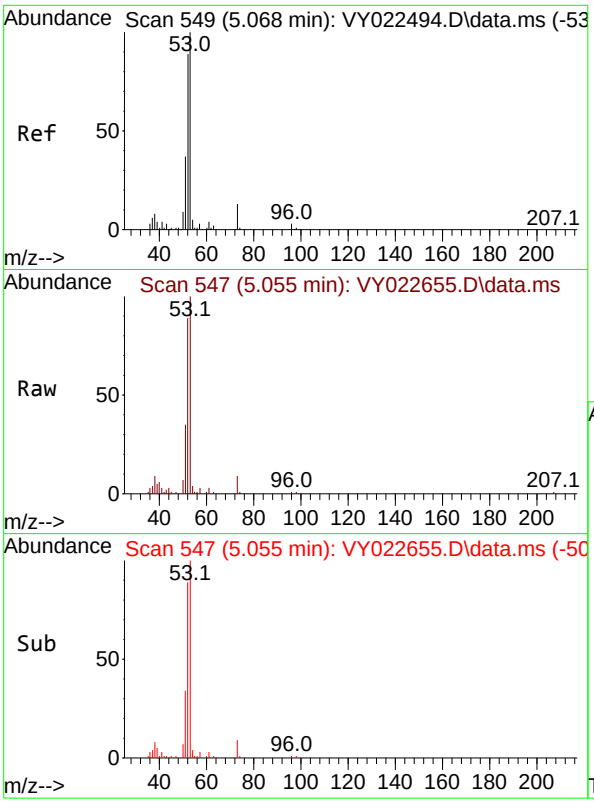


#14
Allyl chloride
Concen: 20.153 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 41 Resp: 51189

Ion	Ratio	Lower	Upper
41	100		
39	88.2	69.1	103.7
76	43.7	33.5	50.3



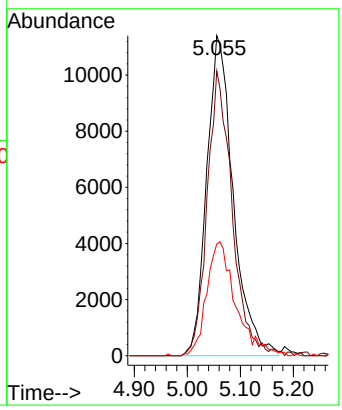


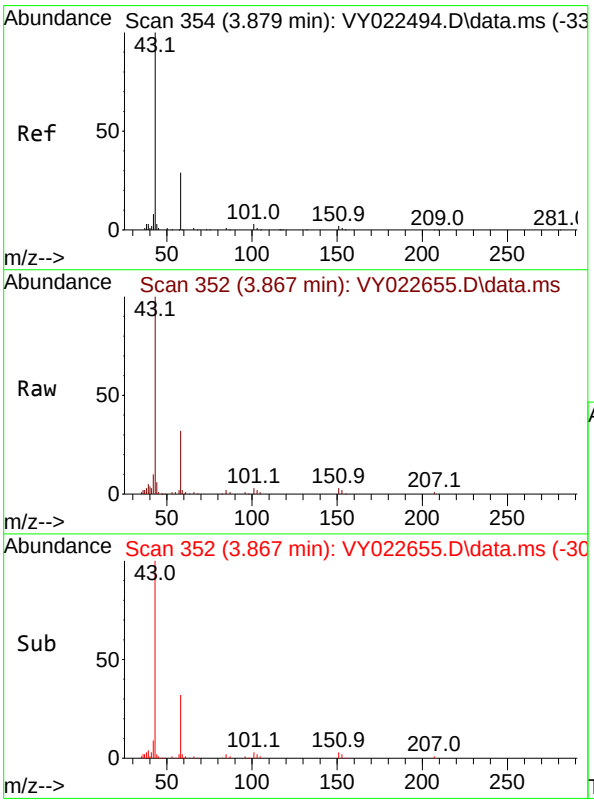
#15
Acrylonitrile
Concen: 103.367 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 53 Resp: 39623

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	39.0	30.1	45.1

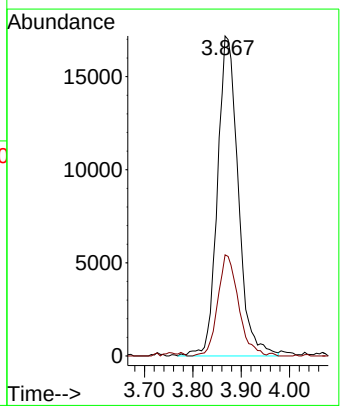


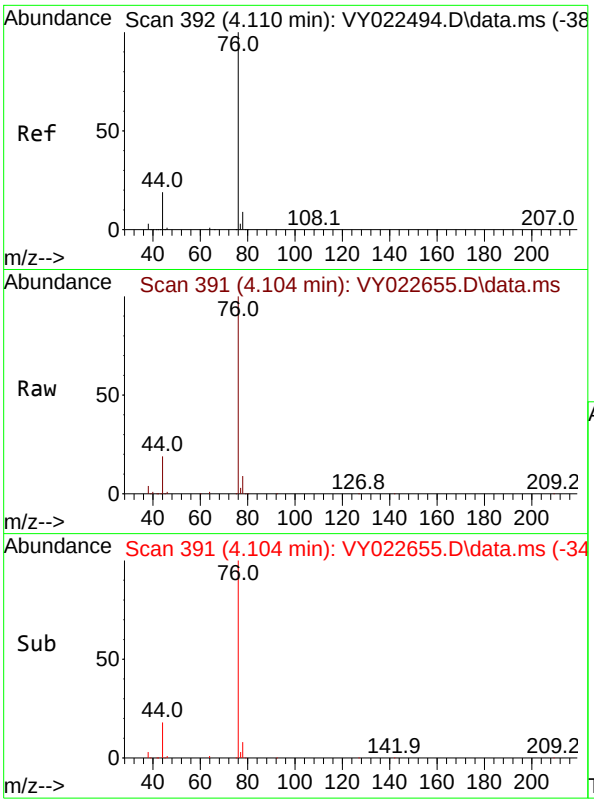


#16
Acetone
Concen: 146.196 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 51236

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0



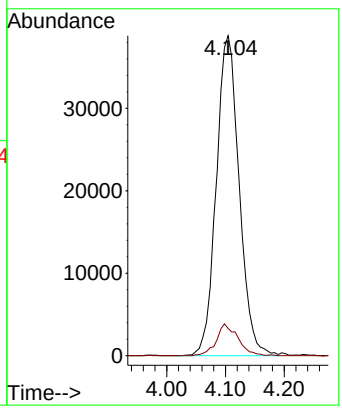


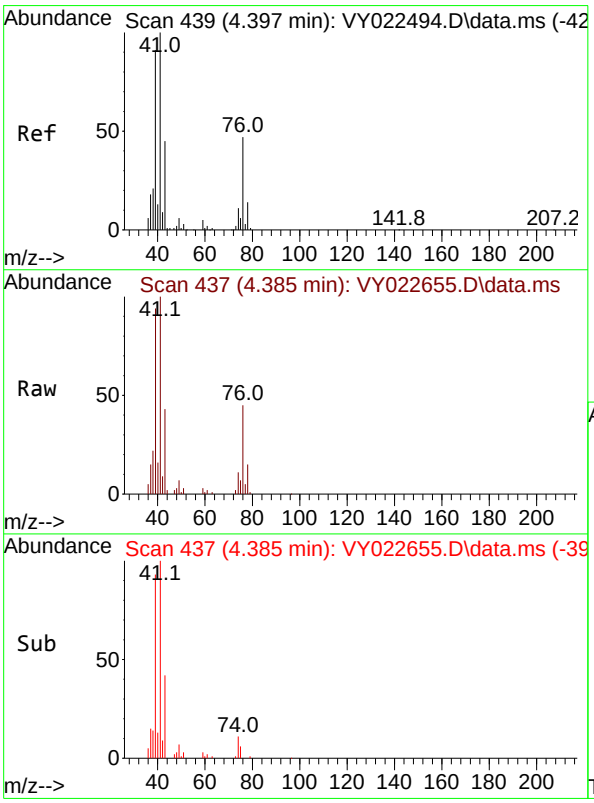
#17
Carbon Disulfide
Concen: 20.273 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 76 Resp: 105015

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

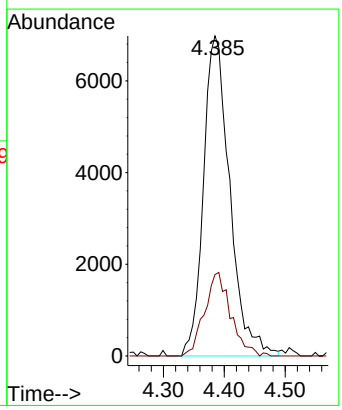


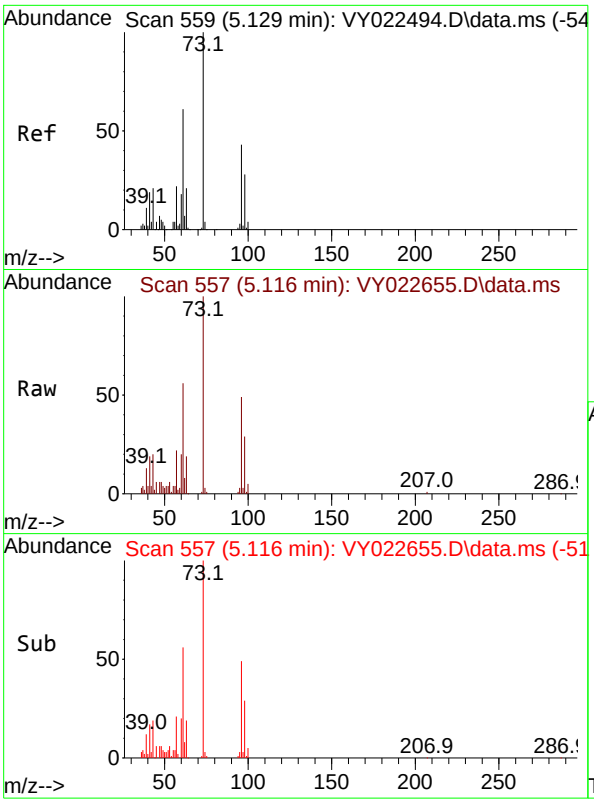


#18
Methyl Acetate
Concen: 20.191 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 20954

Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.8	29.6



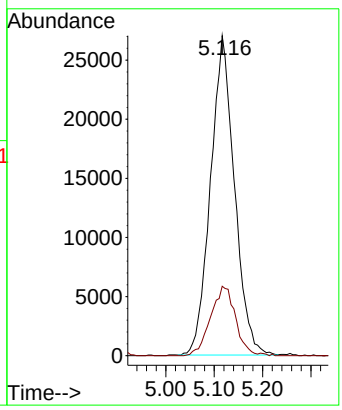


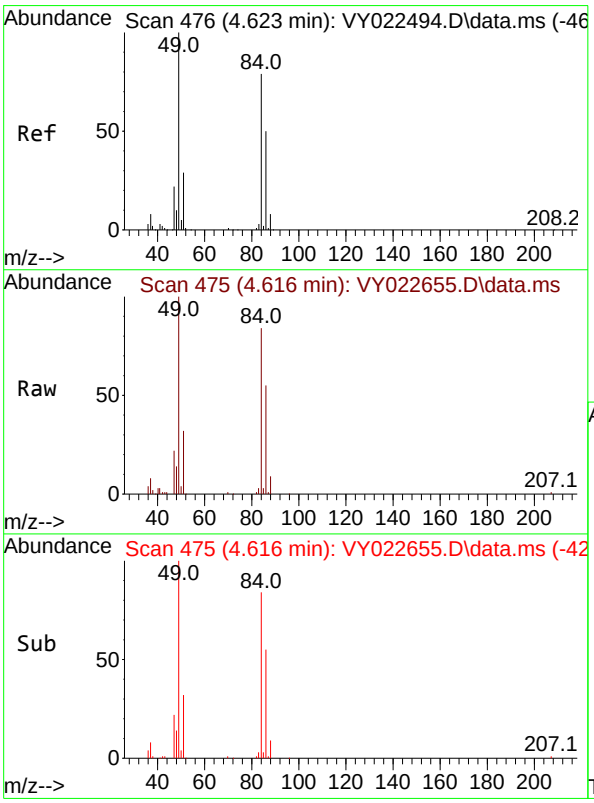
#19
Methyl tert-butyl Ether
Concen: 20.360 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 73 Resp: 92788

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0

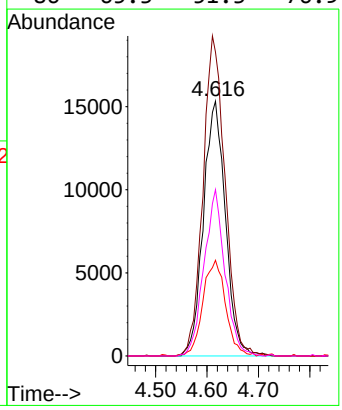


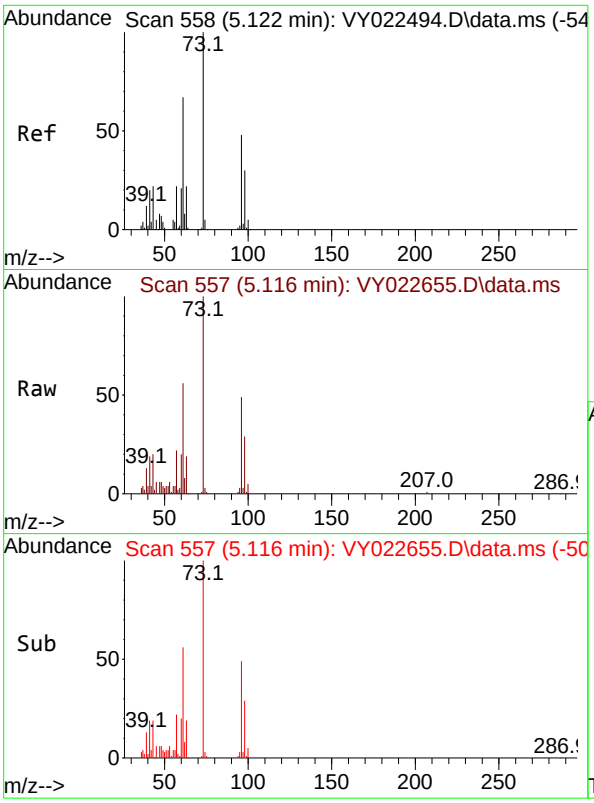


#20
Methylene Chloride
Concen: 22.955 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 84 Resp: 45698

Ion	Ratio	Lower	Upper
84	100		
49	119.3	101.9	152.9
51	37.6	29.8	44.8
86	65.3	51.3	76.9



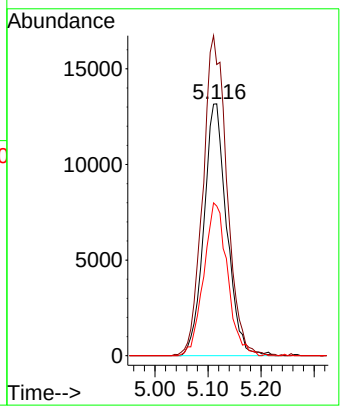


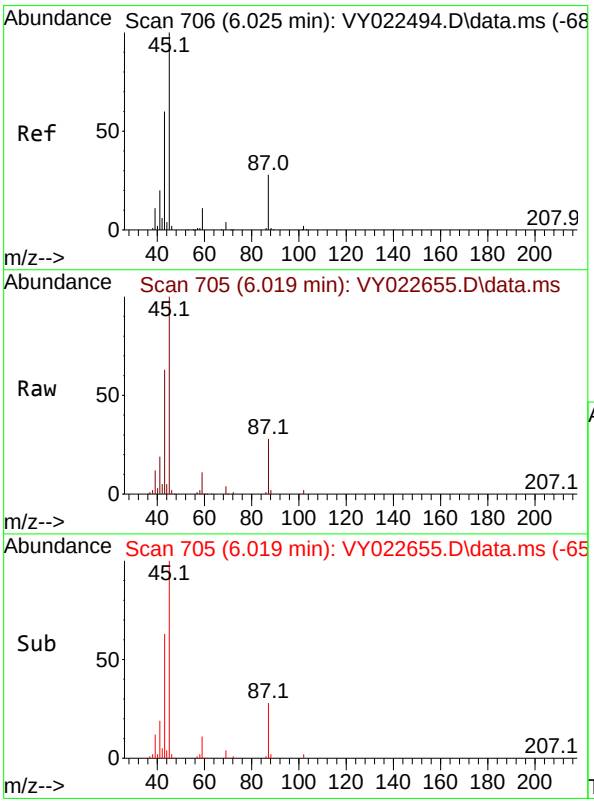
#21
trans-1,2-Dichloroethene
Concen: 21.790 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 96 Resp: 39459

Ion	Ratio	Lower	Upper
96	100		
61	115.6	112.6	169.0
98	59.4	50.6	75.8

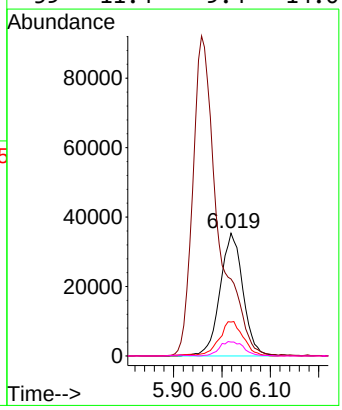


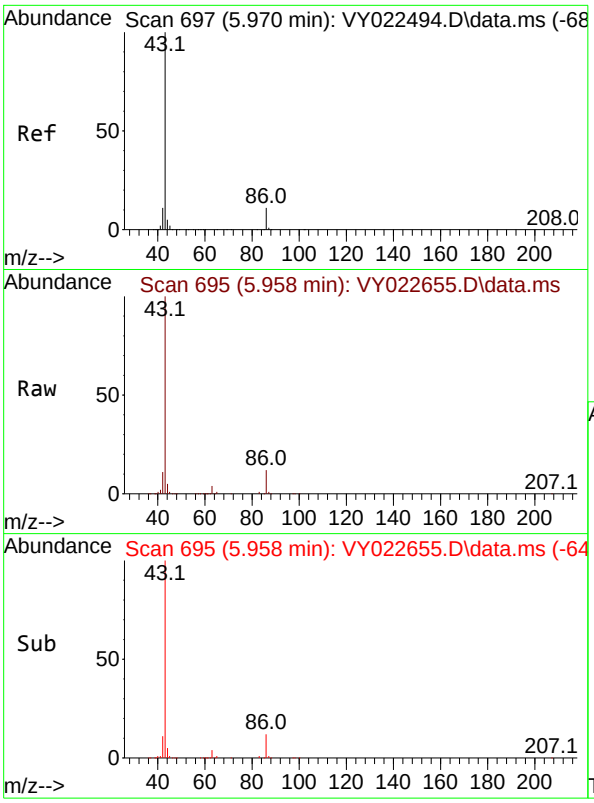


#22
Diisopropyl ether
Concen: 20.566 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 45 Resp: 116281

Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.3	72.5
87	27.6	23.0	34.6
59	11.4	9.4	14.0



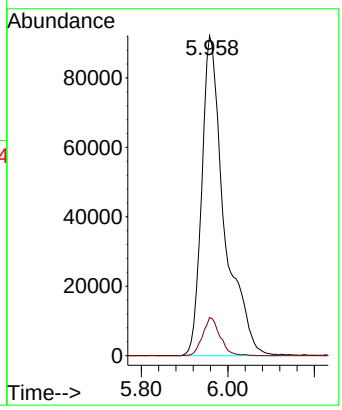


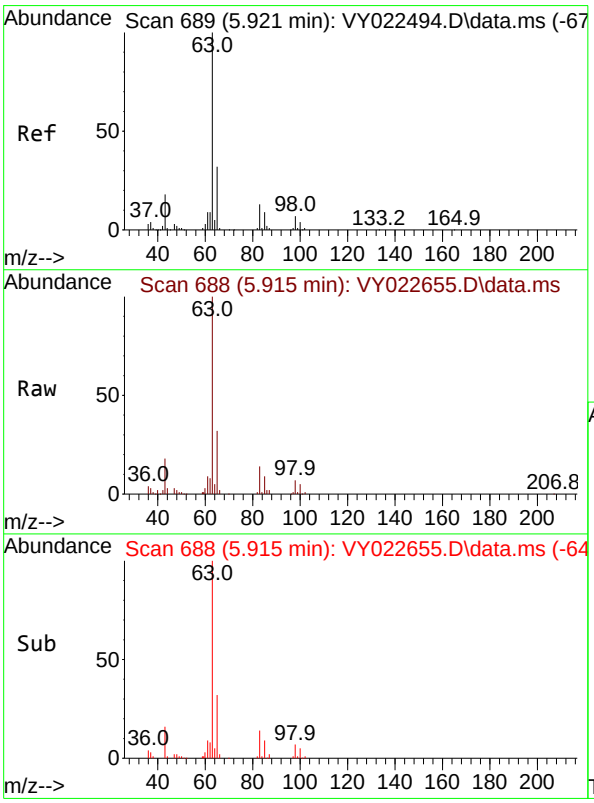
#23
Vinyl Acetate
Concen: 99.313 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 43 Resp: 332344

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8

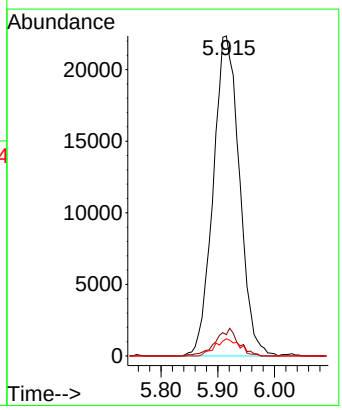


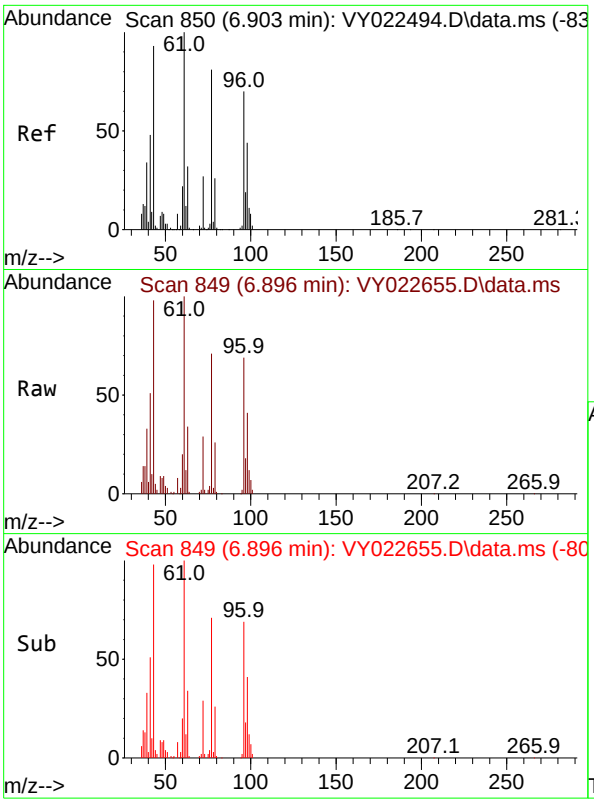


#24
1,1-Dichloroethane
Concen: 21.579 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 63 Resp: 71877

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	5.4	2.1	6.3



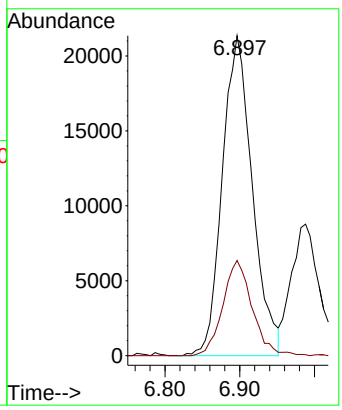


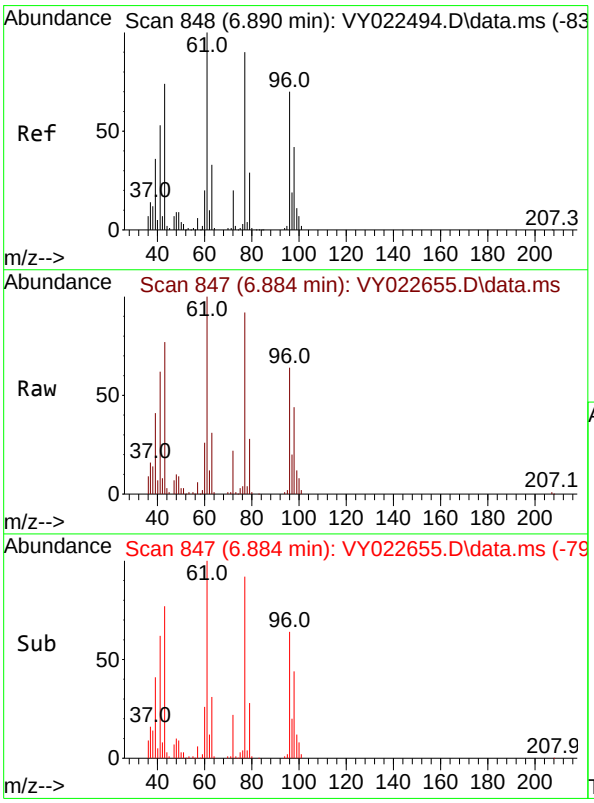
#25
2-Butanone
Concen: 118.122 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 43 Resp: 59713

Ion	Ratio	Lower	Upper
43	100		
72	29.7	22.9	34.3

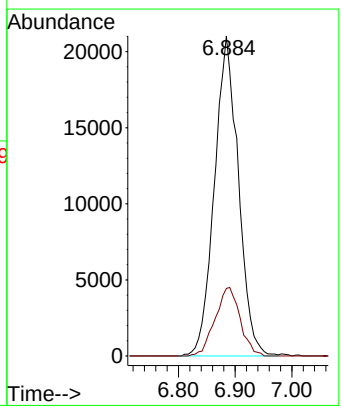


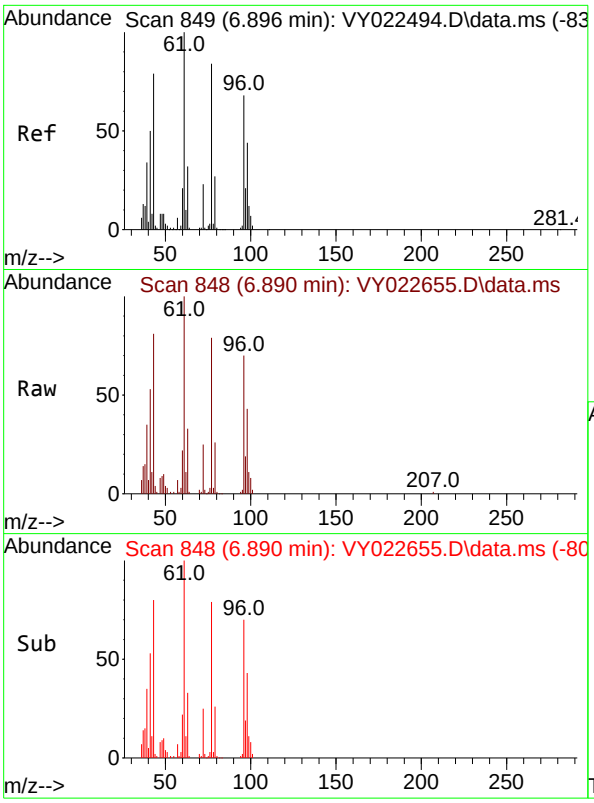


#26
2,2-Dichloropropane
Concen: 20.912 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 77 Resp: 61544

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2



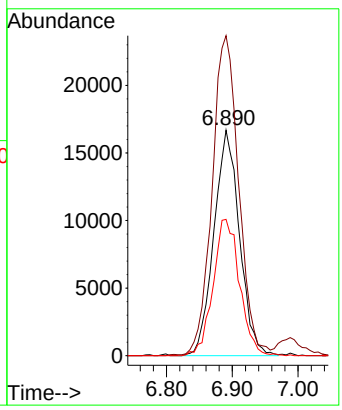


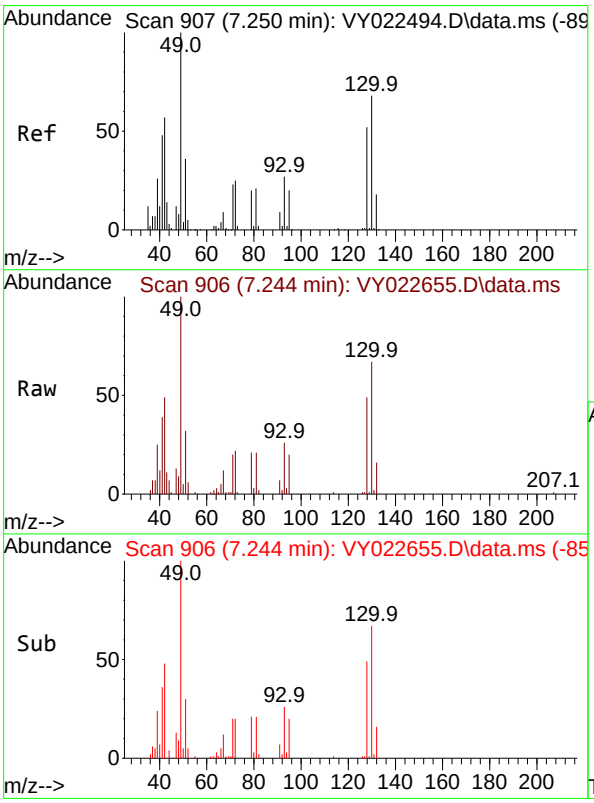
#27
cis-1,2-Dichloroethene
Concen: 21.567 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 96 Resp: 45141

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	290.0
98	62.7	0.0	128.4

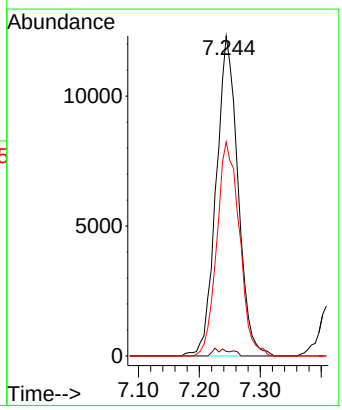


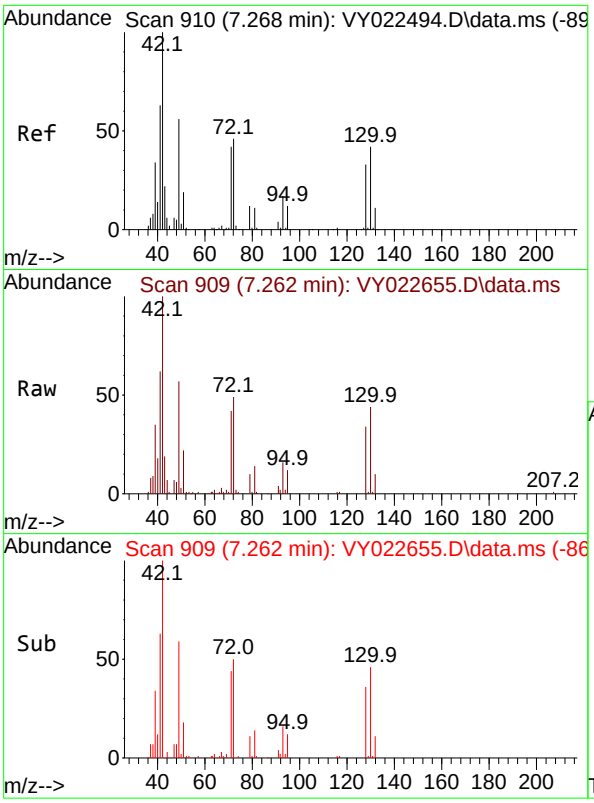


#28
Bromochloromethane
Concen: 21.045 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 49 Resp: 30556

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5



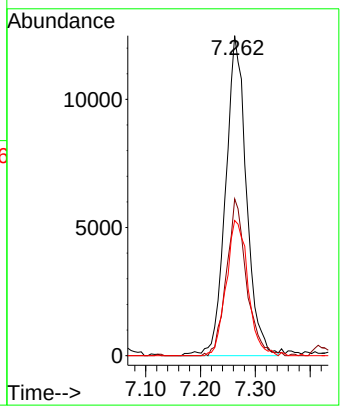


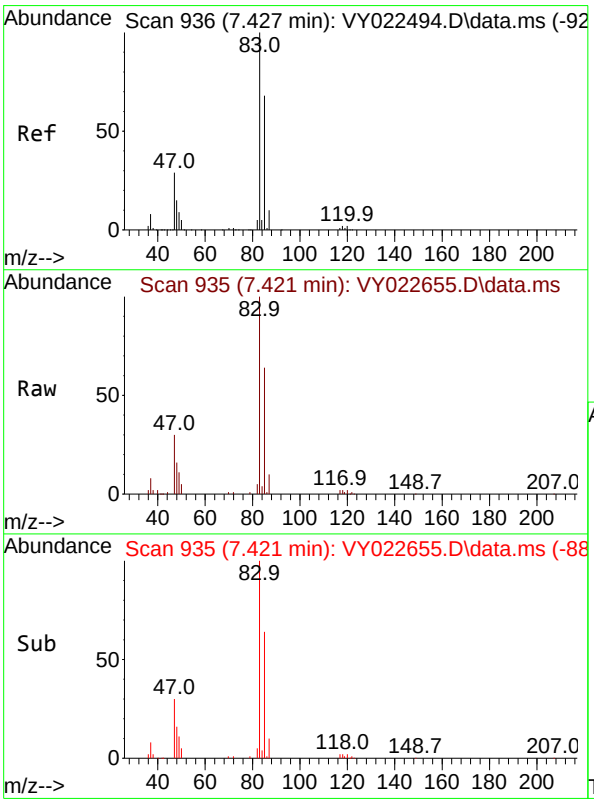
#29
Tetrahydrofuran
Concen: 100.986 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 42 Resp: 32926

Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	44.2	34.2	51.2

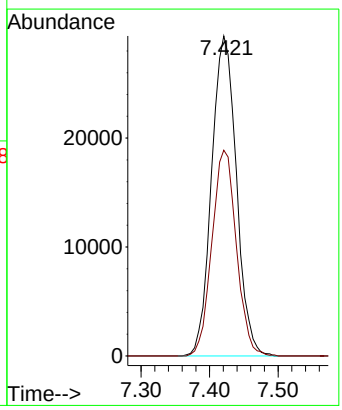


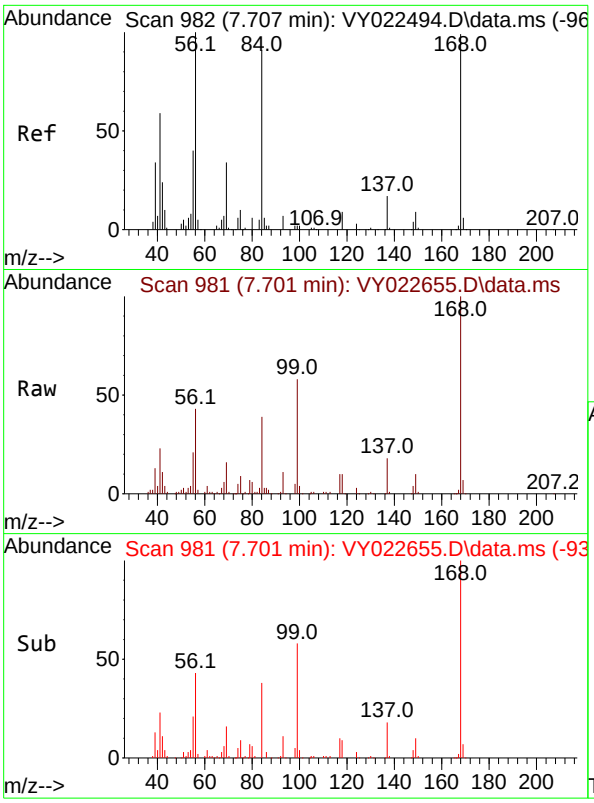


#30
Chloroform
Concen: 22.360 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 83 Resp: 73770

Ion	Ratio	Lower	Upper
83	100		
85	64.3	54.2	81.4



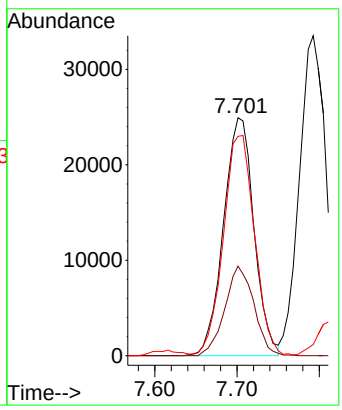


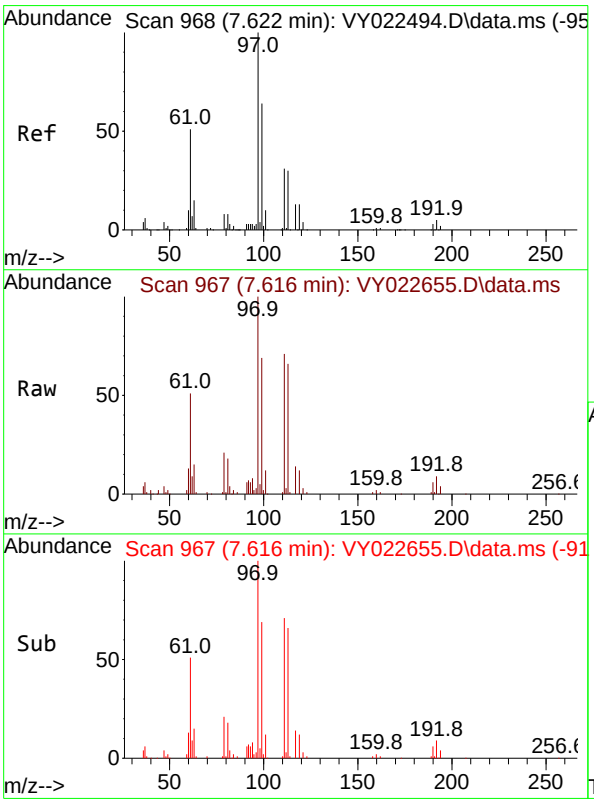
#31
Cyclohexane
Concen: 19.382 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 56 Resp: 64272

Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.0	40.6
84	90.9	72.6	109.0

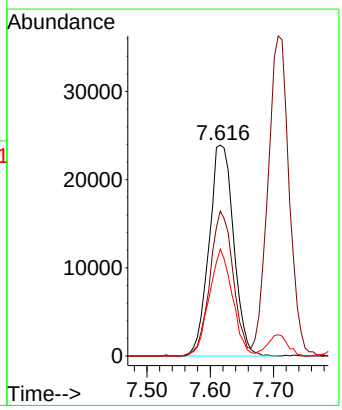


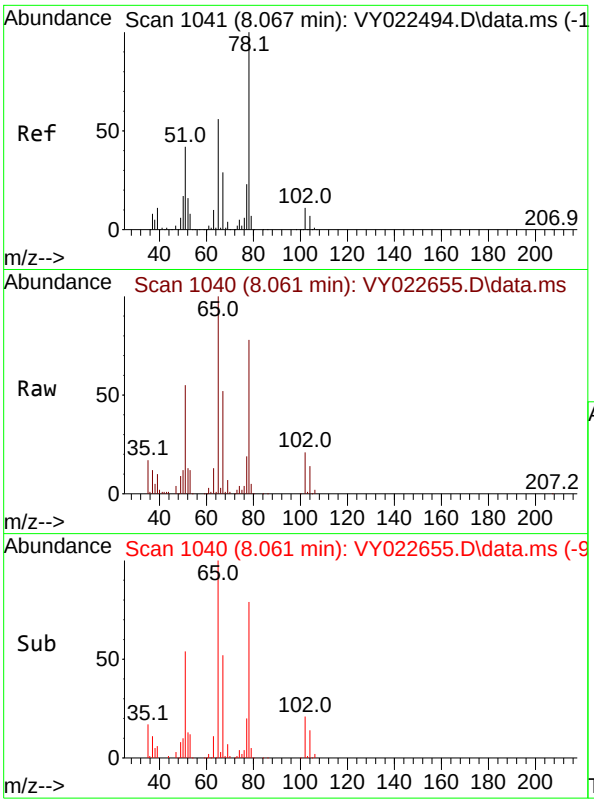


#32
1,1,1-Trichloroethane
Concen: 22.053 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 97 Resp: 64586

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	47.9	38.5	57.7



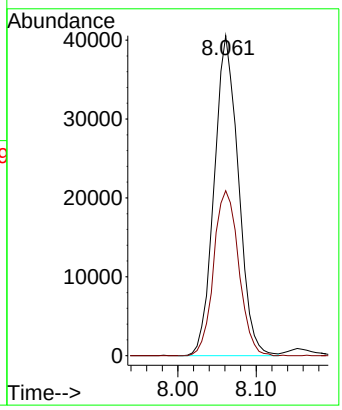


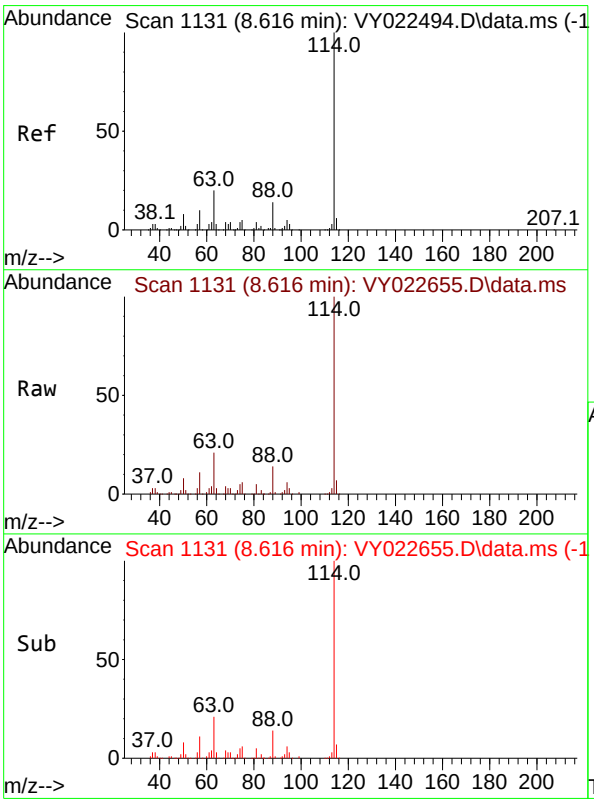
#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 65 Resp: 87123

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.4

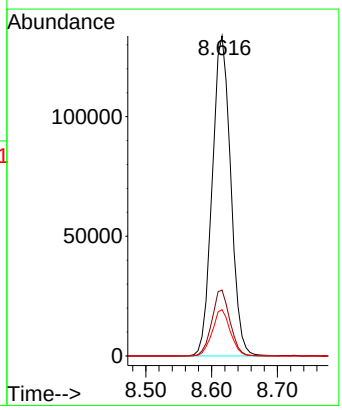


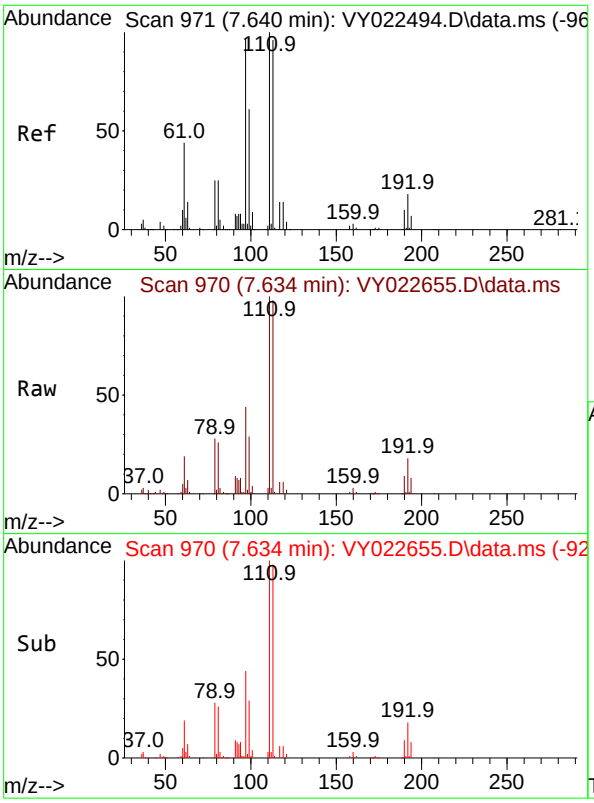


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:114 Resp: 261377

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.4	0.0	27.8



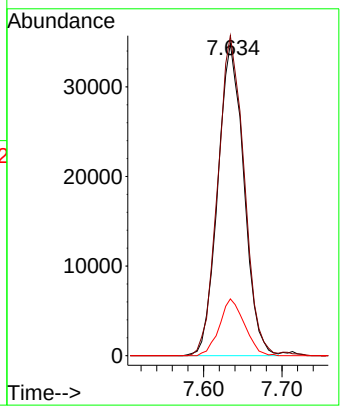


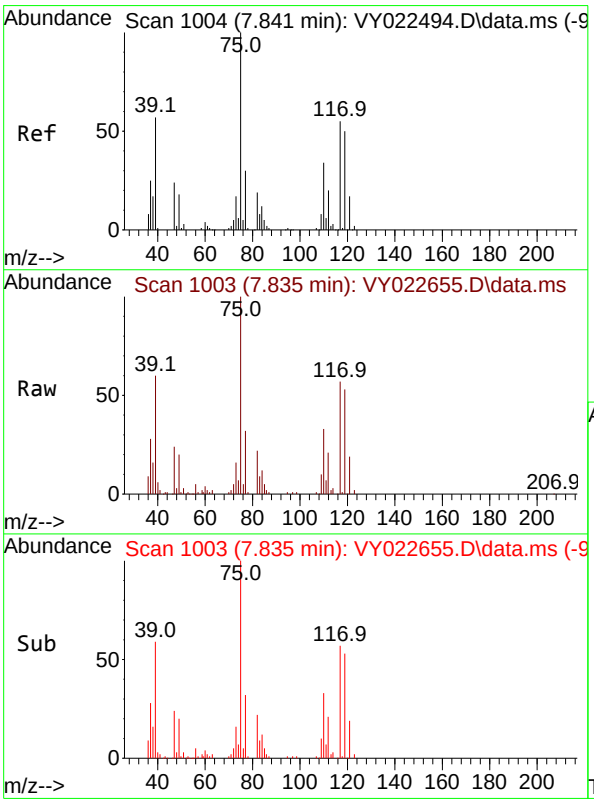
#35
Dibromofluoromethane
Concen: 51.570 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:113 Resp: 80454

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	17.5	14.2	21.2

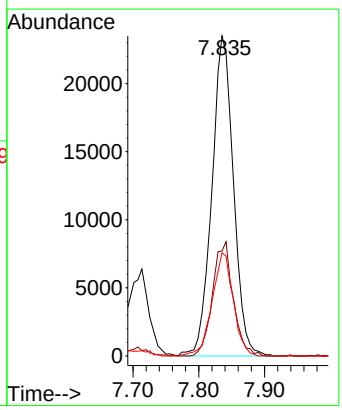


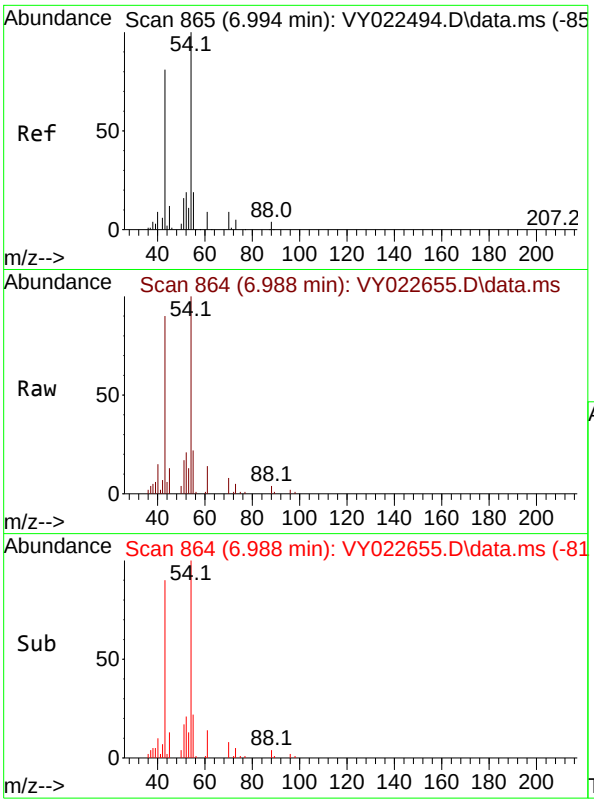


#36
1,1-Dichloropropene
Concen: 21.243 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 53788

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	31.6	24.8	37.2



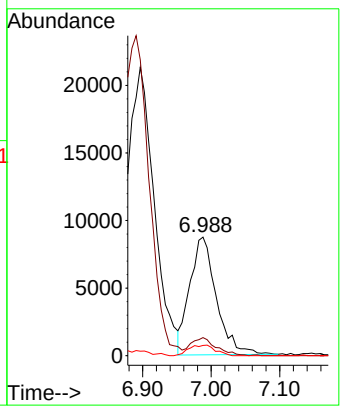


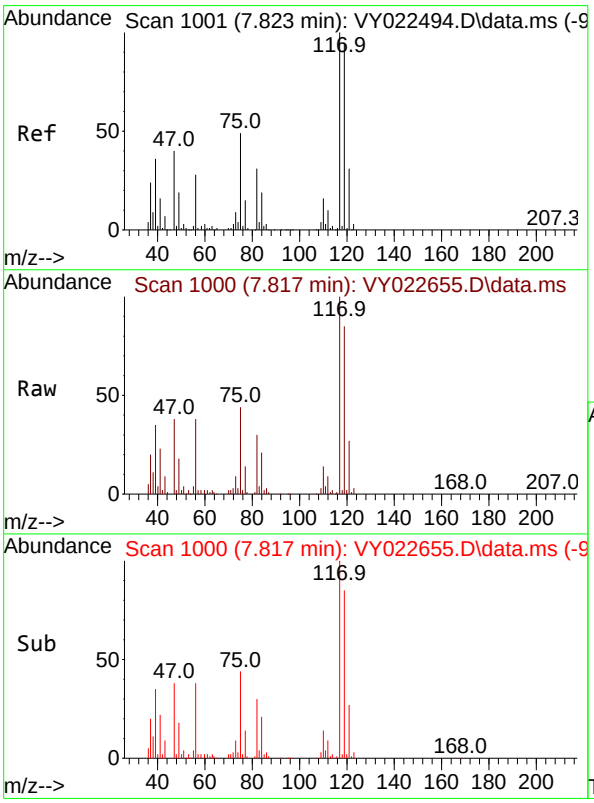
#37
Ethyl Acetate
Concen: 20.801 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 43 Resp: 23488

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	9.0	7.2	10.8

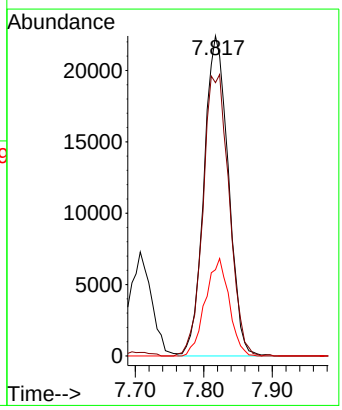


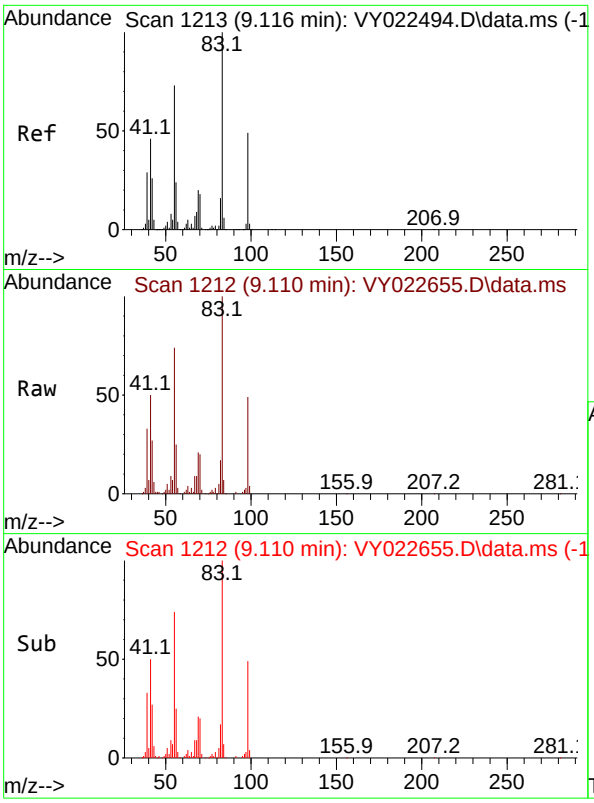


#38
Carbon Tetrachloride
Concen: 21.352 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:117 Resp: 55462

Ion	Ratio	Lower	Upper
117	100		
119	85.4	75.0	112.6
121	26.9	25.0	37.4



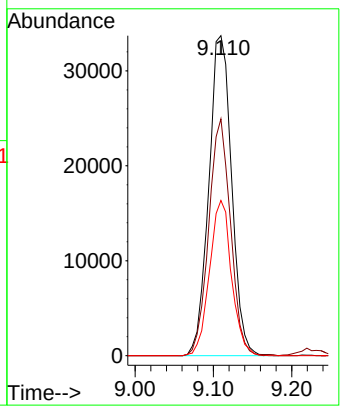


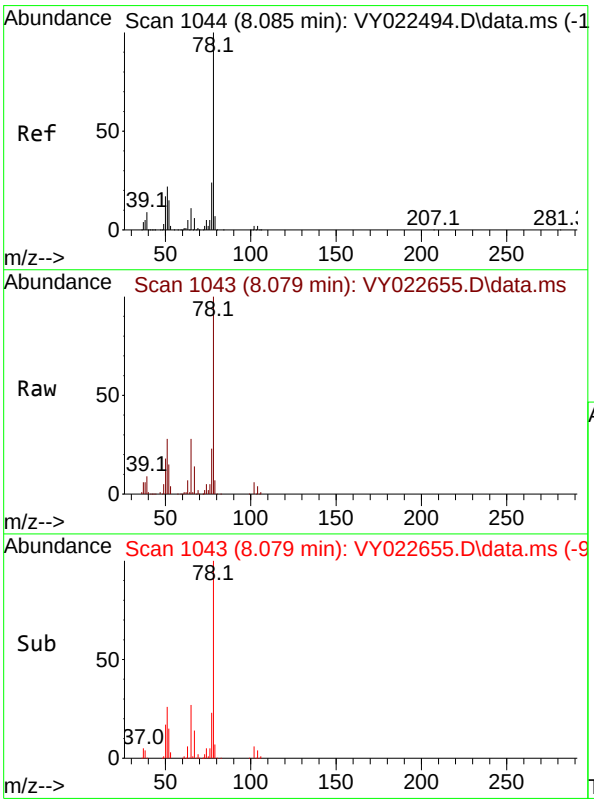
#39
Methylcyclohexane
Concen: 20.022 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 83 Resp: 68129

Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.1	87.1
98	48.5	39.0	58.6

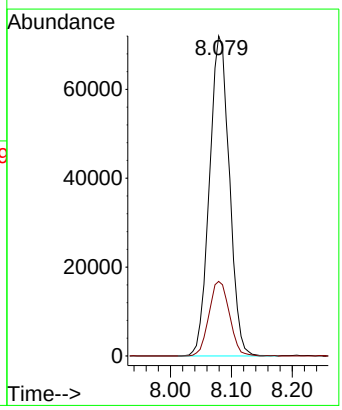


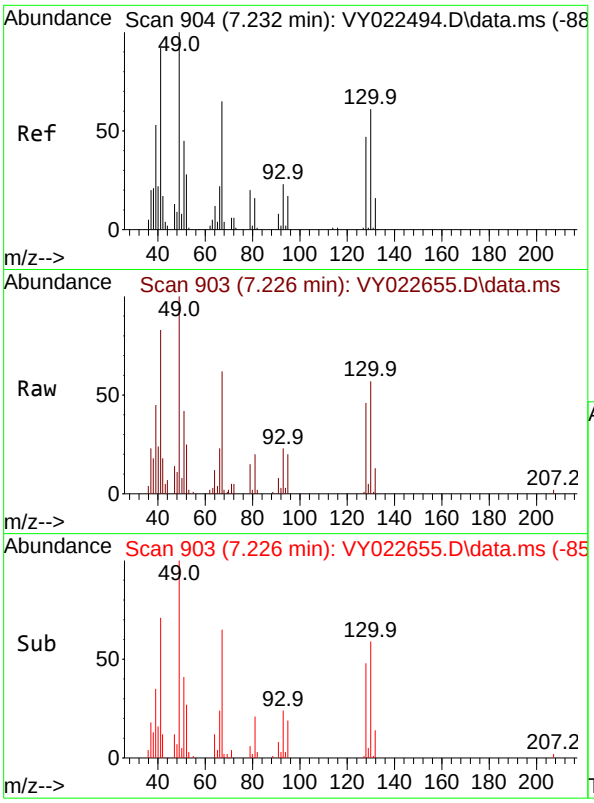


#40
Benzene
Concen: 21.851 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 78 Resp: 163413

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9



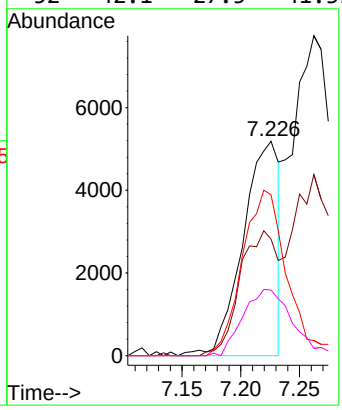


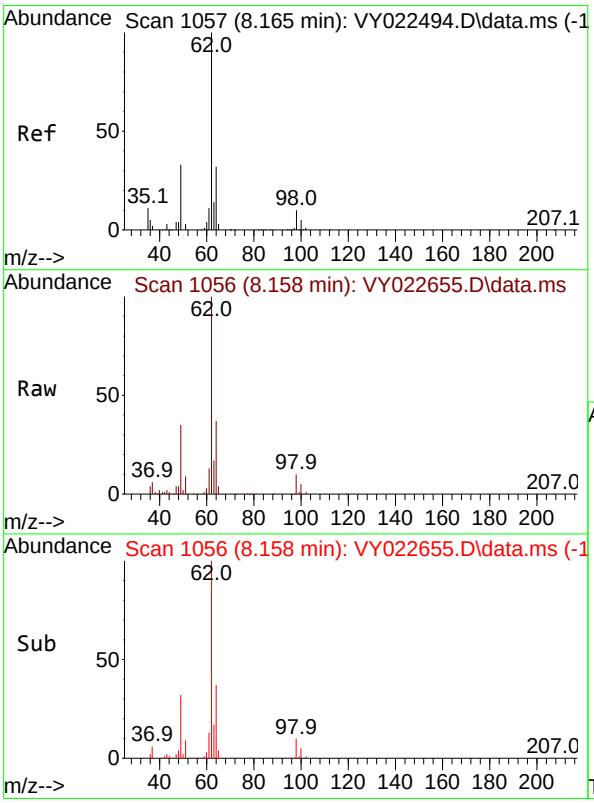
#41
Methacrylonitrile
Concen: 16.769 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 41 Resp: 11060

Ion	Ratio	Lower	Upper
41	100		
39	59.8	46.6	69.8
67	95.1	63.3	94.9#
52	42.1	27.5	41.3#

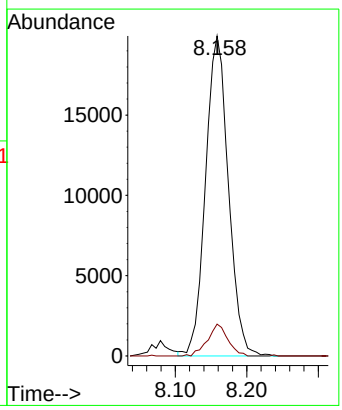


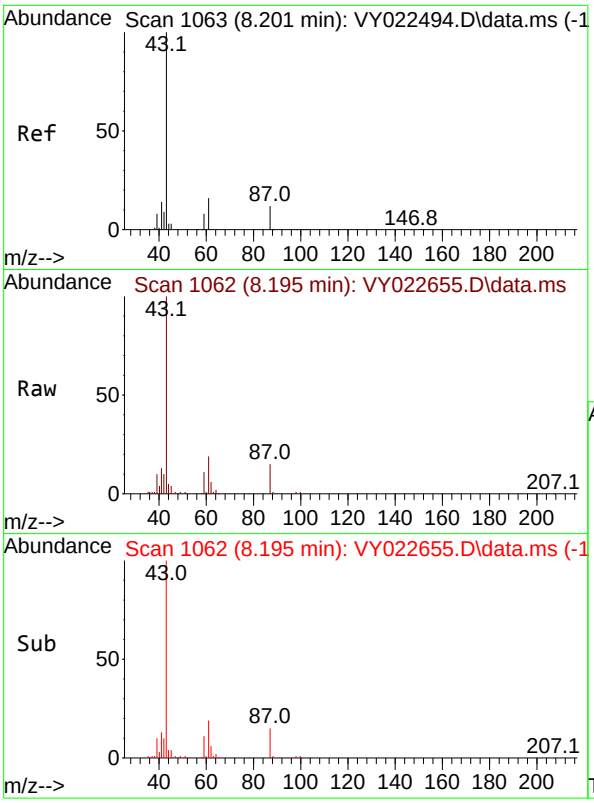


#42
1,2-Dichloroethane
Concen: 21.660 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 62 Resp: 44229

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.2



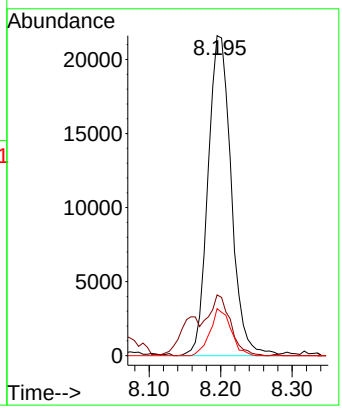


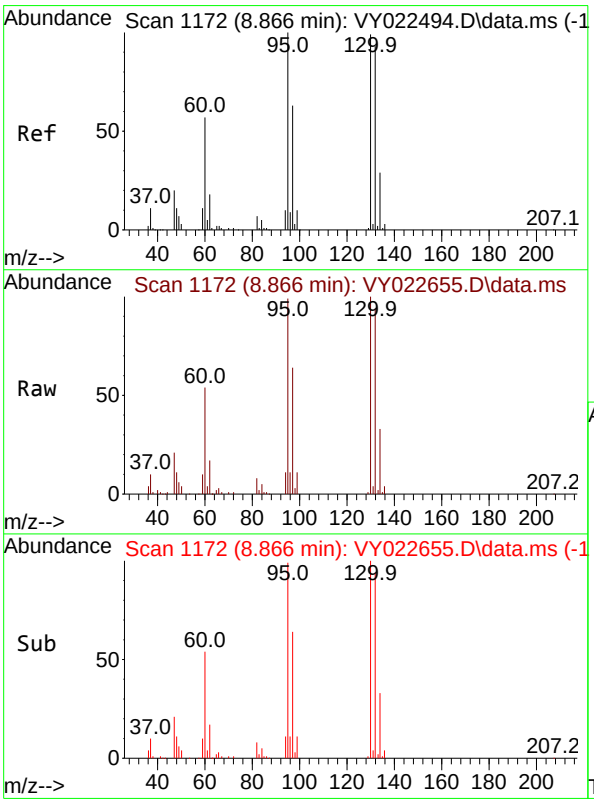
#43
Isopropyl Acetate
Concen: 19.992 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 43 Resp: 48754

Ion	Ratio	Lower	Upper
43	100		
61	16.7	15.6	23.4
87	13.2	10.2	15.4

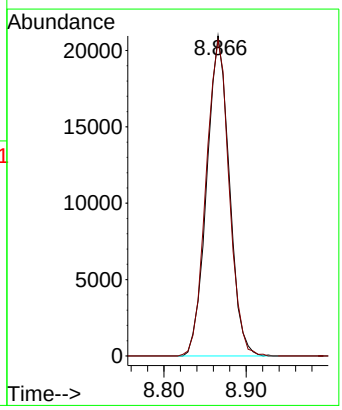


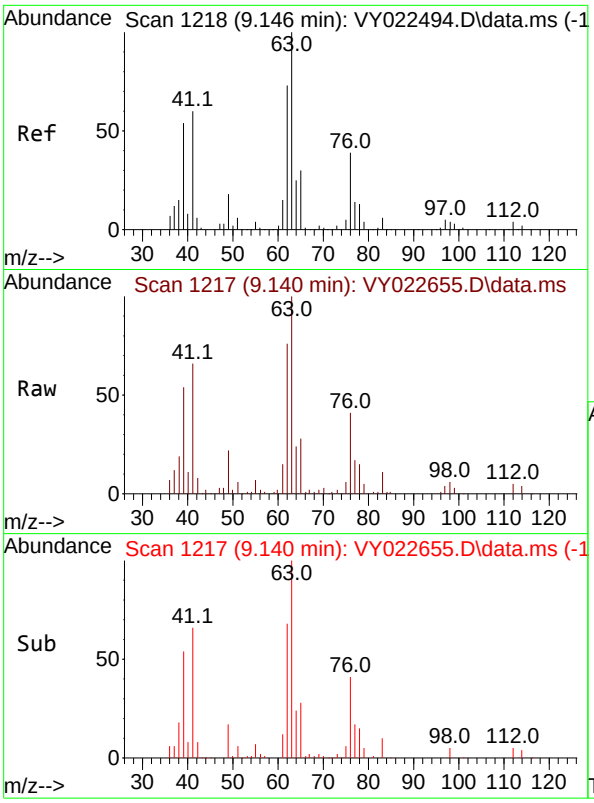


#44
Trichloroethene
Concen: 21.815 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:130 Resp: 39874

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	203.0



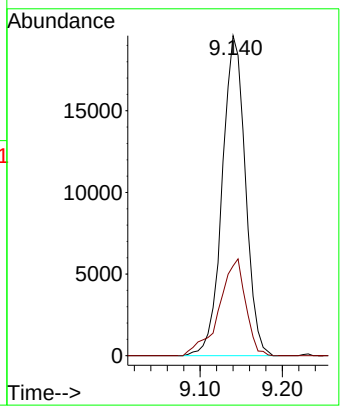


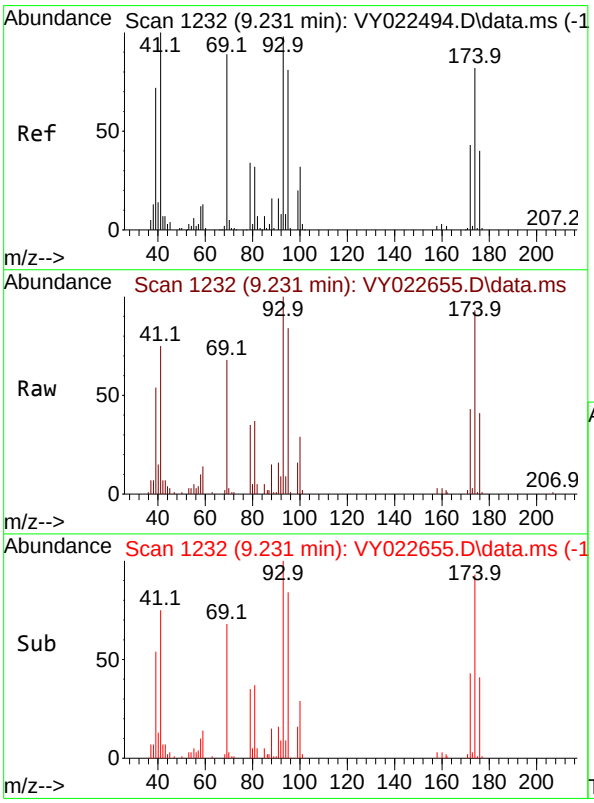
#45
1,2-Dichloropropane
Concen: 21.729 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 63 Resp: 38405

Ion	Ratio	Lower	Upper
63	100		
65	28.0	24.0	36.0

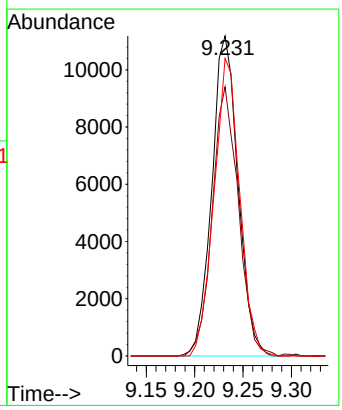


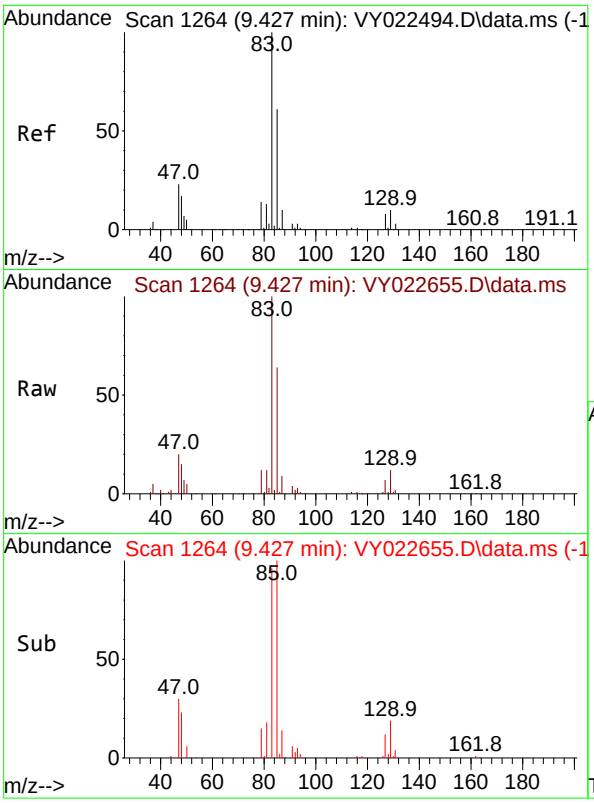


#46
Dibromomethane
Concen: 21.164 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 93 Resp: 21044

Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.6	98.4
174	91.3	70.4	105.6



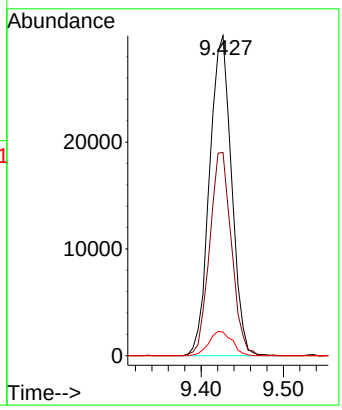


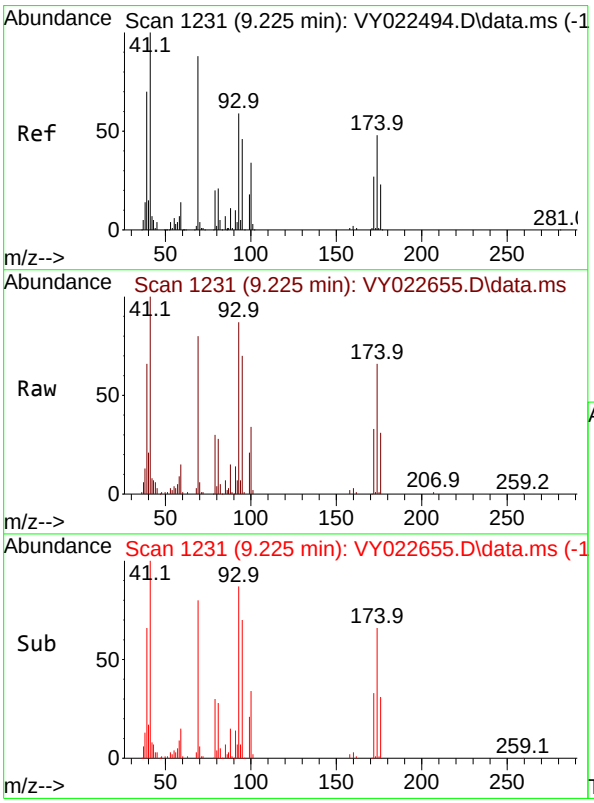
#47
Bromodichloromethane
Concen: 22.084 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 83 Resp: 55680

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.1	73.7
127	7.3	6.2	9.4

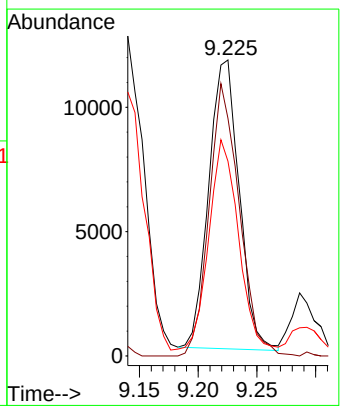


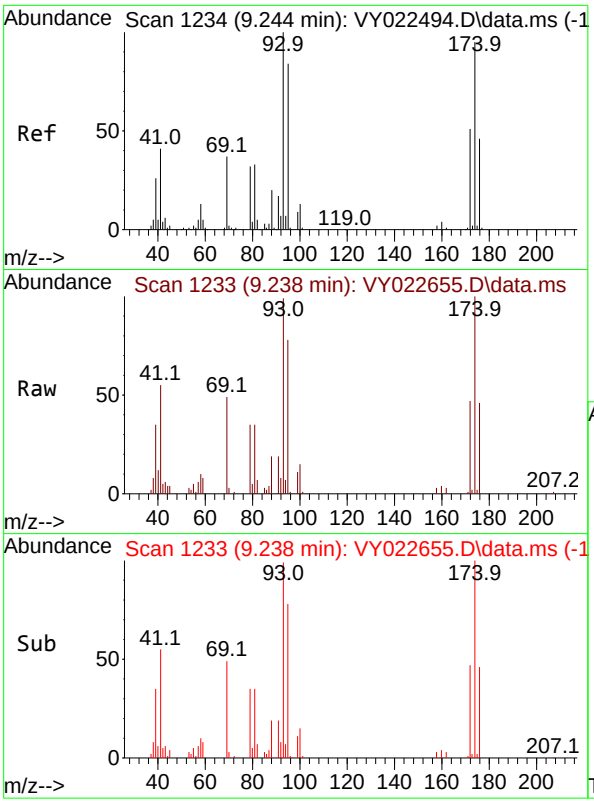


#48
Methyl methacrylate
Concen: 18.316 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 41 Resp: 20964

Ion	Ratio	Lower	Upper
41	100		
69	93.5	67.8	101.8
39	70.8	55.0	82.4



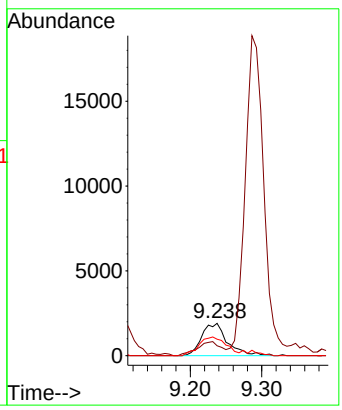


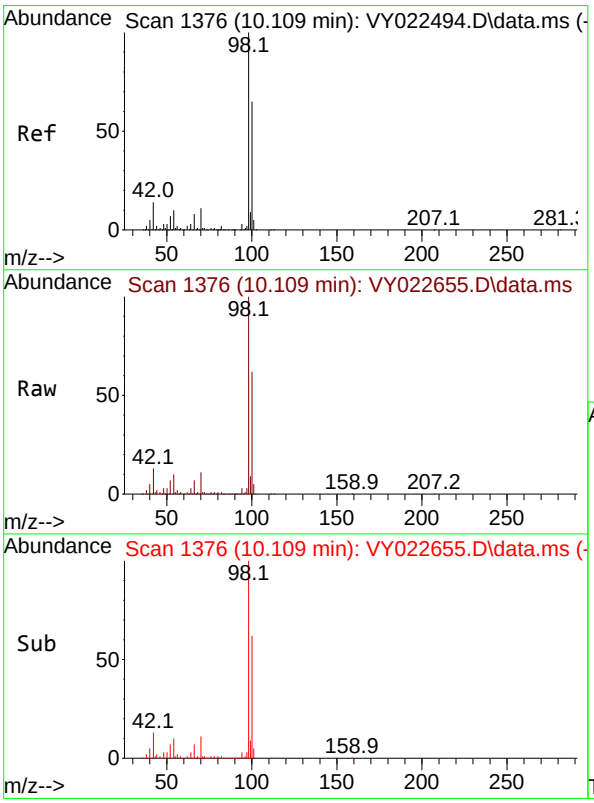
#49
1,4-Dioxane
Concen: 405.855 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 88 Resp: 4781

Ion	Ratio	Lower	Upper
88	100		
43	39.7	25.4	38.2#
58	61.4	54.9	82.3

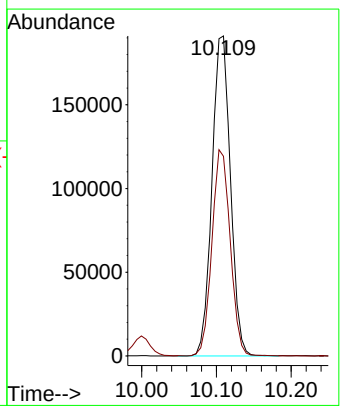


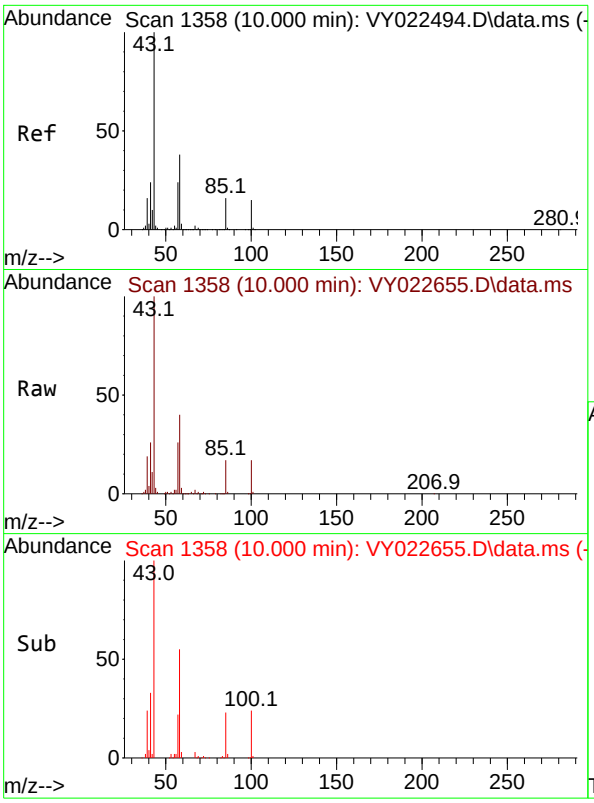


#50
Toluene-d8
Concen: 52.037 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 98 Resp: 328033

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0



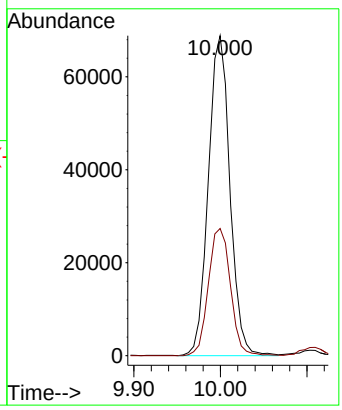


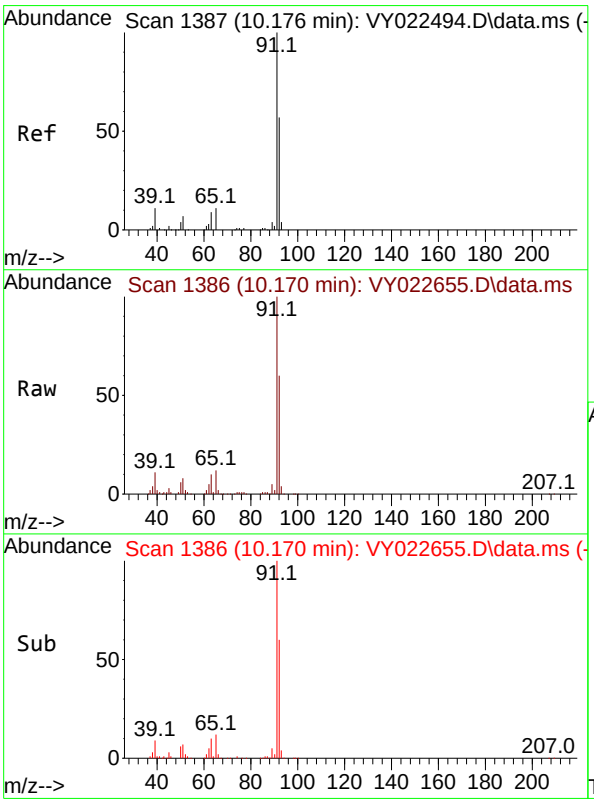
#51
4-Methyl-2-Pentanone
Concen: 98.107 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 43 Resp: 119284

Ion	Ratio	Lower	Upper
43	100		
58	40.7	30.4	45.6

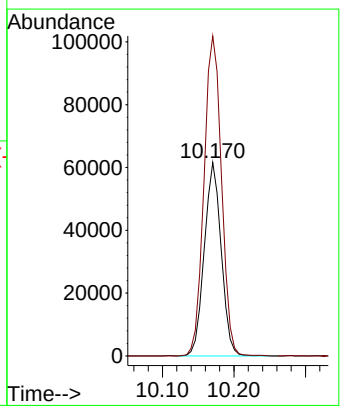


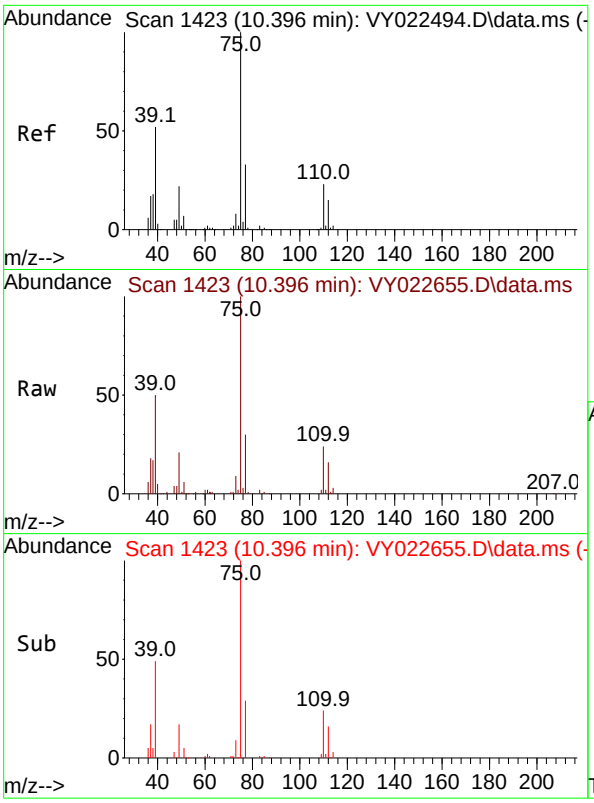


#52
Toluene
Concen: 21.544 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 92 Resp: 101252

Ion	Ratio	Lower	Upper
92	100		
91	171.1	139.0	208.4



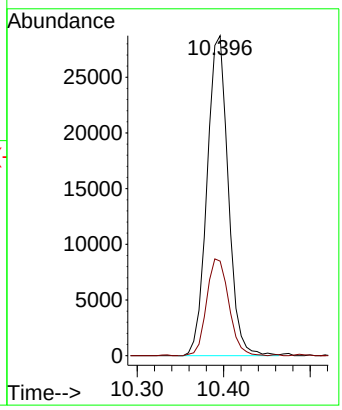


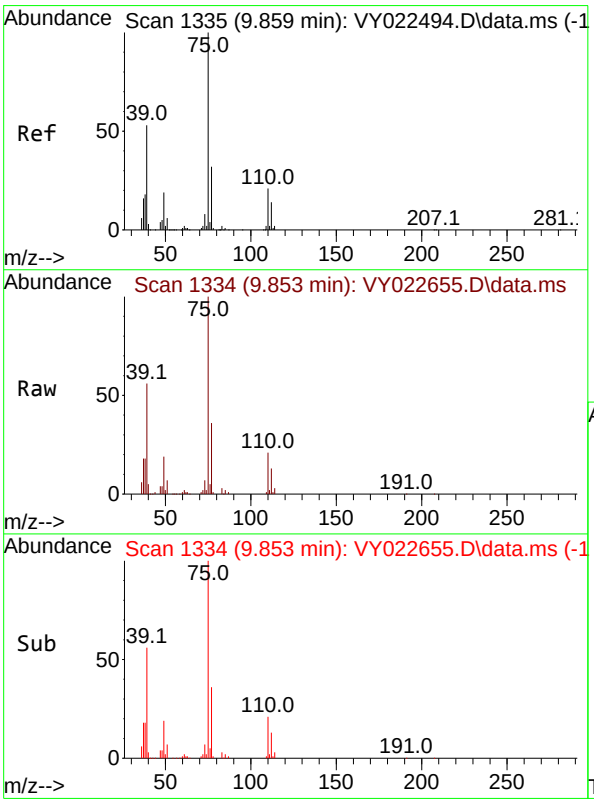
#53
t-1,3-Dichloropropene
Concen: 20.629 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 75 Resp: 48733

Ion	Ratio	Lower	Upper
75	100		
77	29.5	26.5	39.7

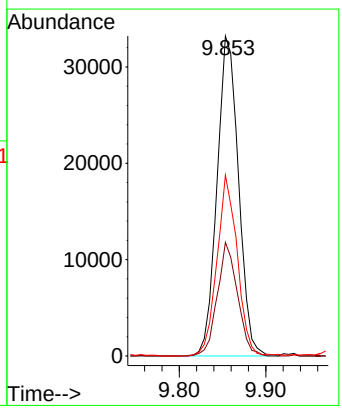


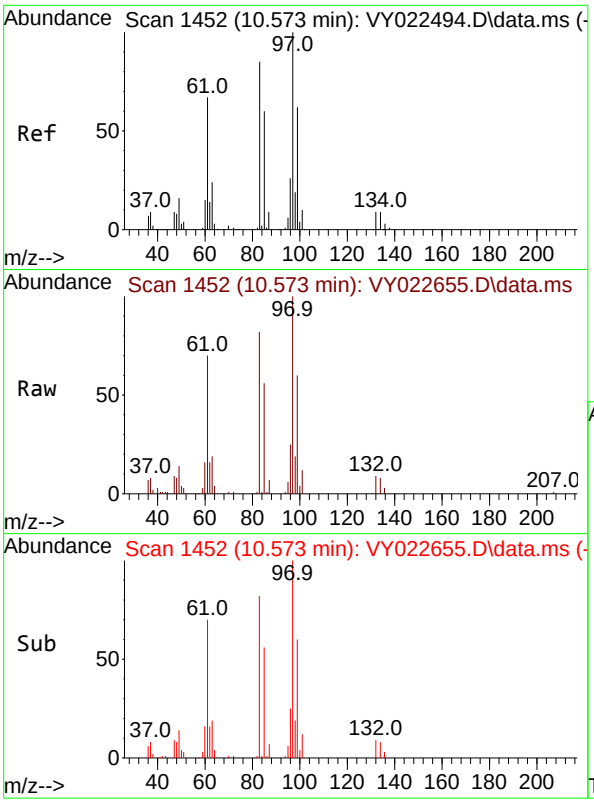


#54
cis-1,3-Dichloropropene
Concen: 20.820 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 57255

Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.3	37.9
39	56.5	42.7	64.1



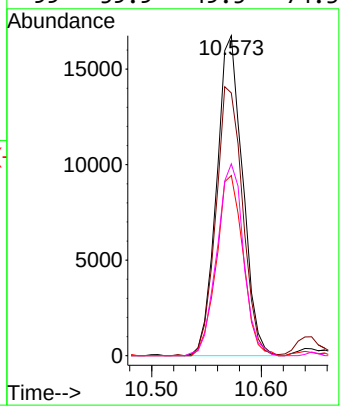


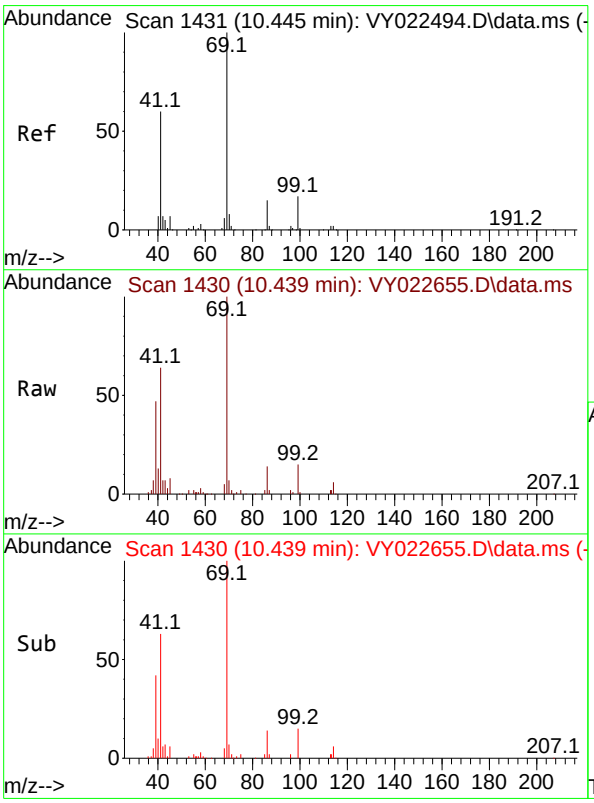
#55
1,1,2-Trichloroethane
Concen: 21.784 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 97 Resp: 27620

Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.1	102.1
85	56.3	48.2	72.2
99	59.9	49.5	74.3

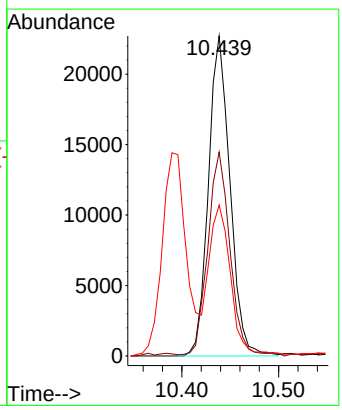


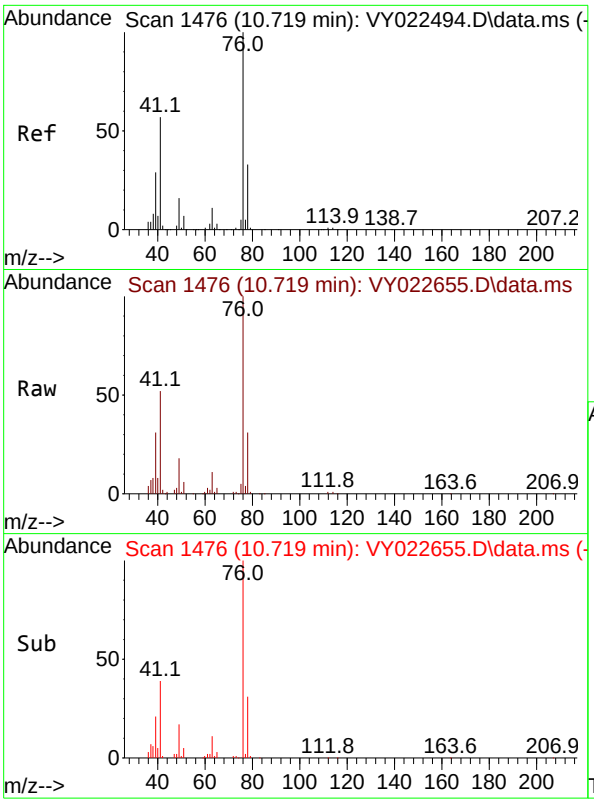


#56
Ethyl methacrylate
Concen: 19.225 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 69 Resp: 35231

Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	47.2	36.7	55.1



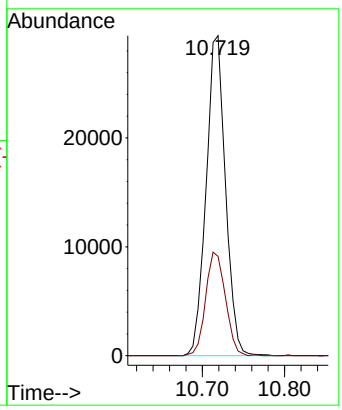


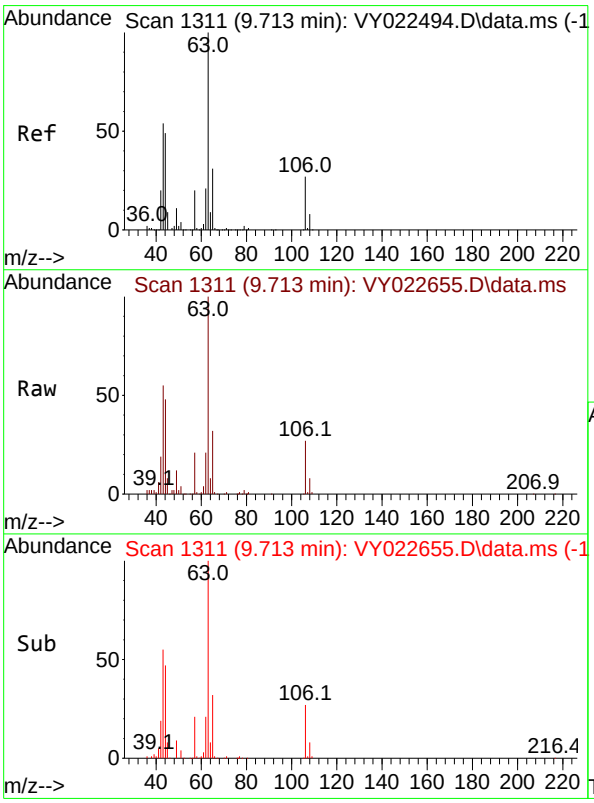
#57
1,3-Dichloropropane
Concen: 21.396 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 76 Resp: 48083

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

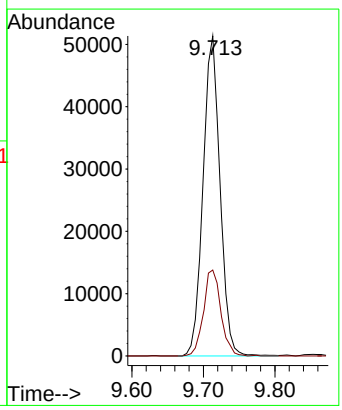


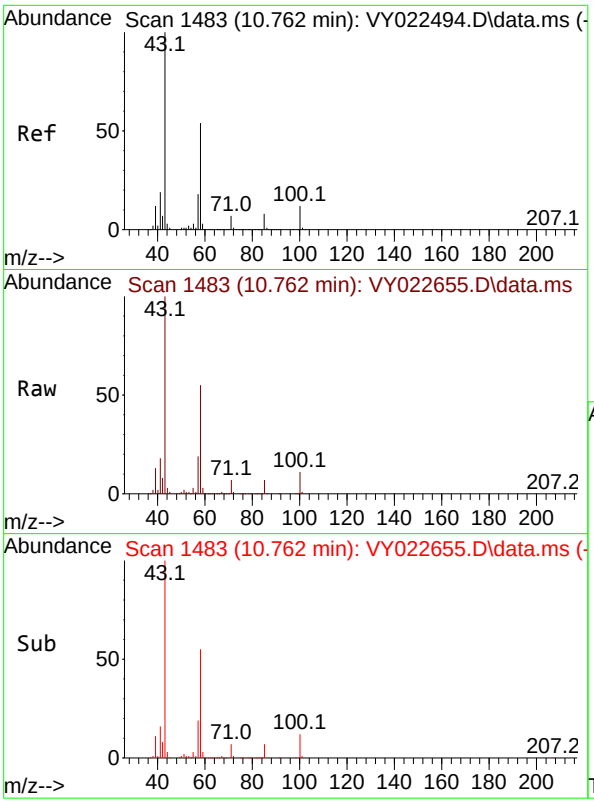


#58
2-Chloroethyl Vinyl ether
Concen: 101.741 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 63 Resp: 84651

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.6	32.4



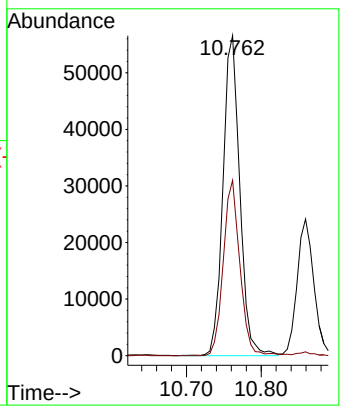


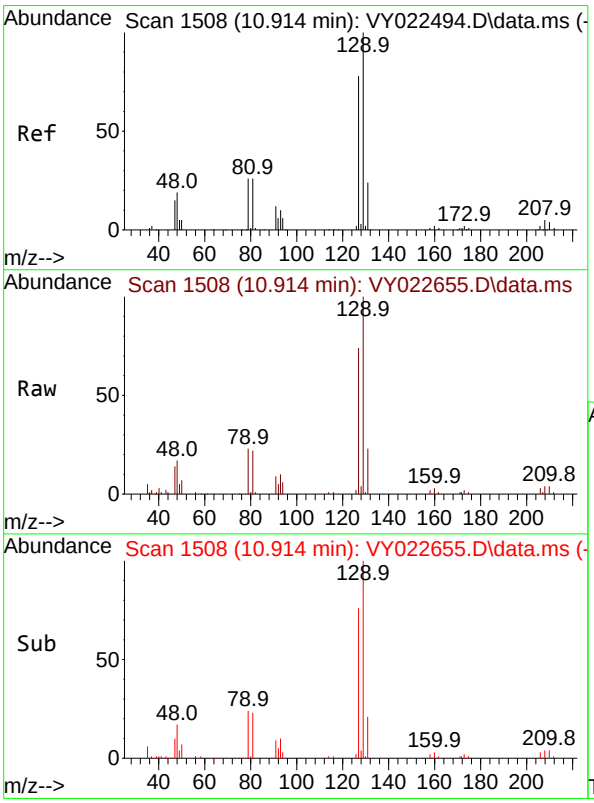
#59
2-Hexanone
Concen: 108.852 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 43 Resp: 88514

Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.3	81.8

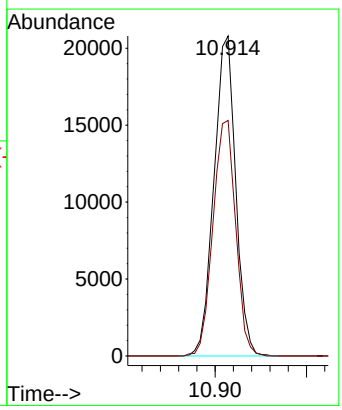


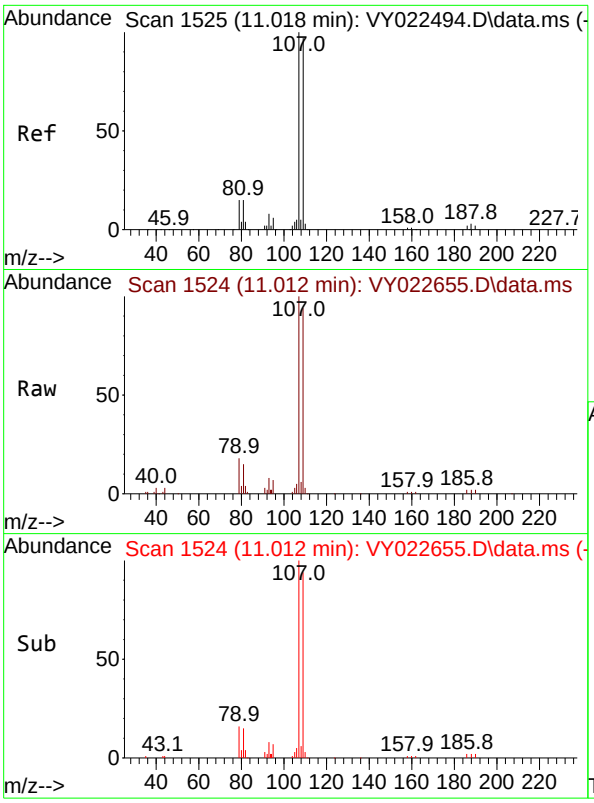


#60
Dibromochloromethane
Concen: 21.352 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:129 Resp: 34405

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.2



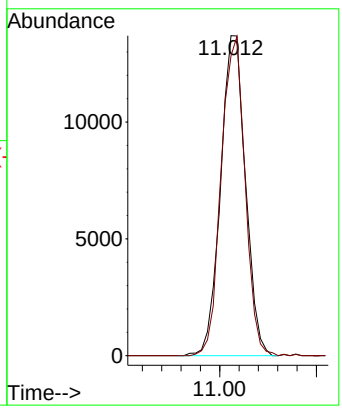


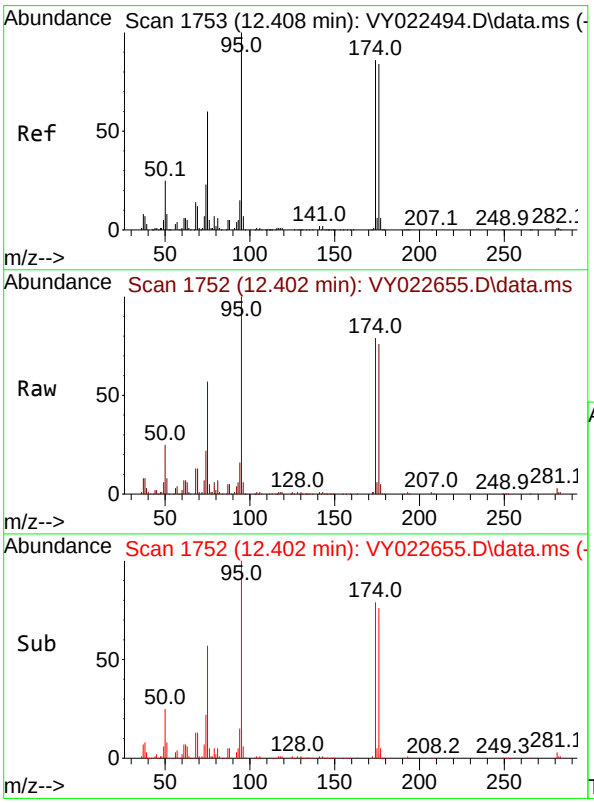
#61
1,2-Dibromoethane
Concen: 21.142 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:107 Resp: 24433

Ion	Ratio	Lower	Upper
107	100		
109	95.5	77.7	116.5

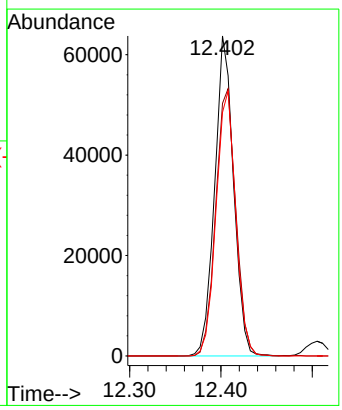


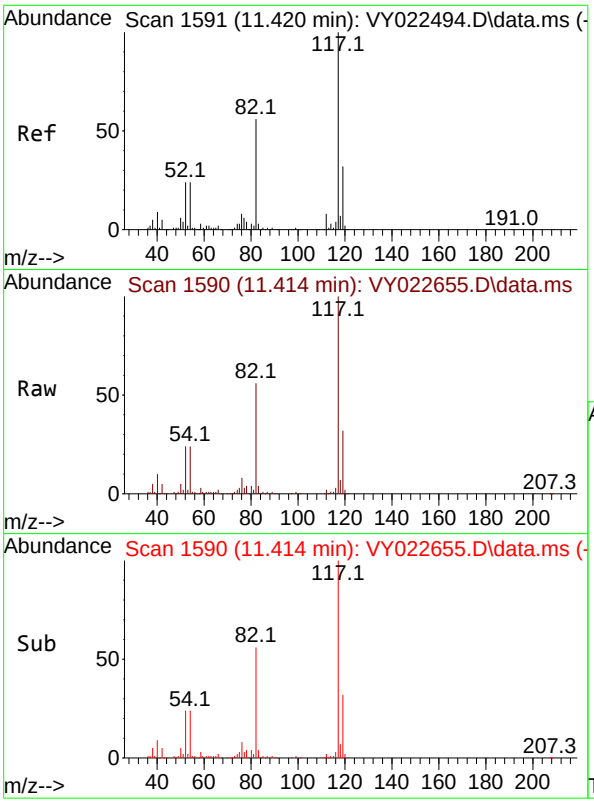


#62
4-Bromofluorobenzene
Concen: 48.779 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 95 Resp: 91618

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	170.0
176	86.0	0.0	166.2



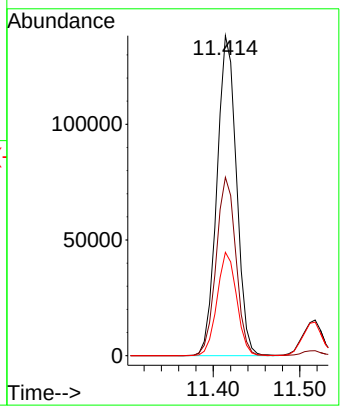


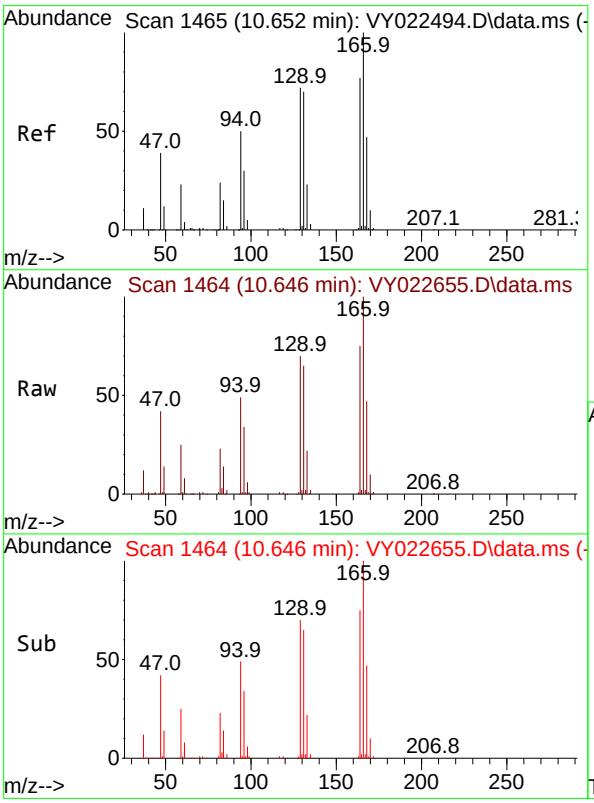
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:117 Resp: 216375

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	32.3	25.4	38.0

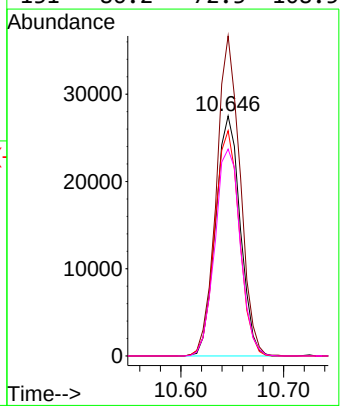


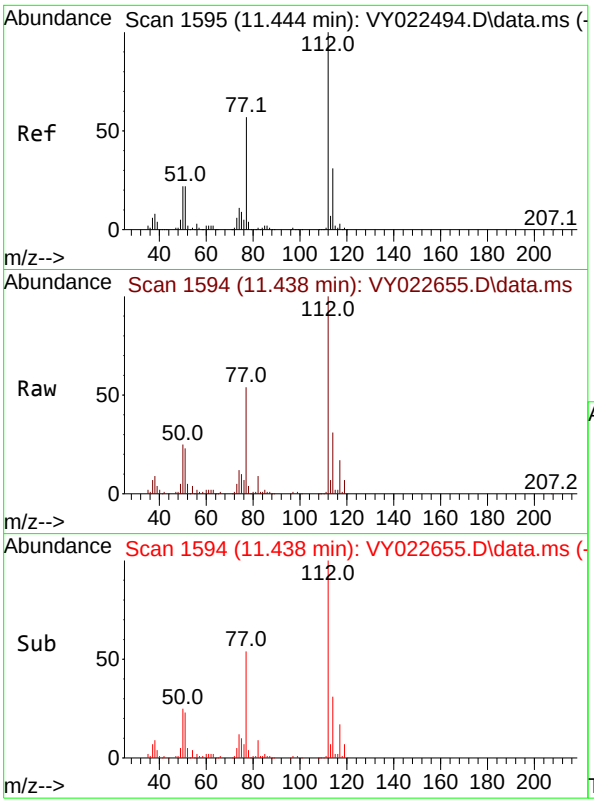


#64
Tetrachloroethene
Concen: 24.611 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:164 Resp: 45809

Ion	Ratio	Lower	Upper
164	100		
166	133.4	104.0	156.0
129	93.9	74.5	111.7
131	86.2	72.3	108.5



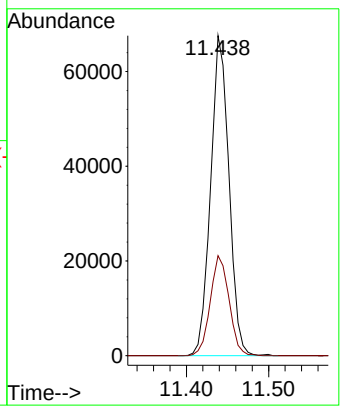


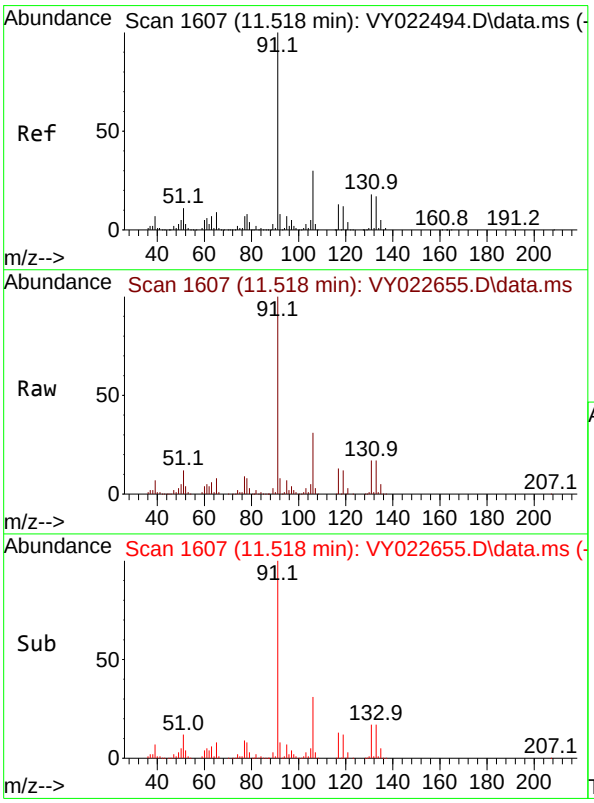
#65
Chlorobenzene
Concen: 21.864 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:112 Resp: 104686

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6

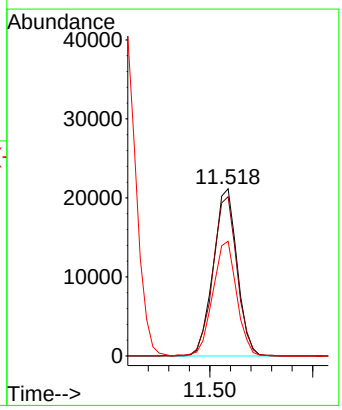


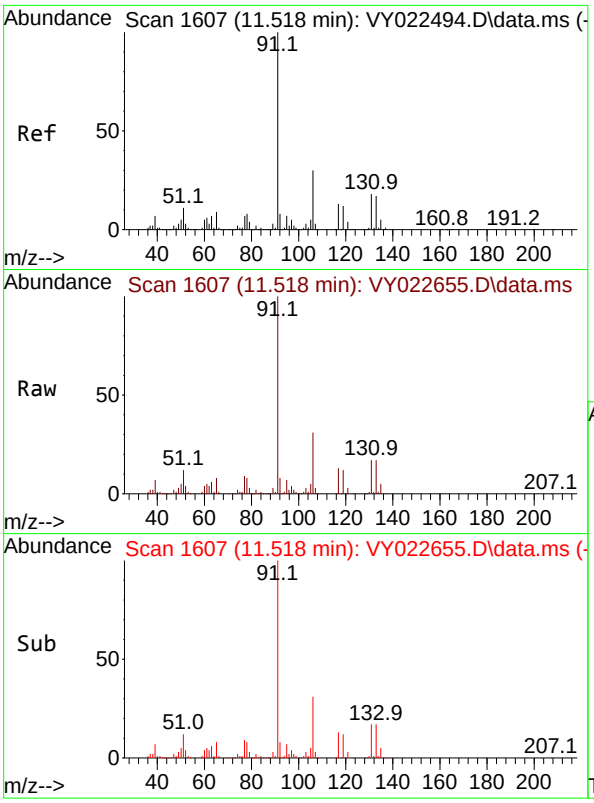


#66
1,1,1,2-Tetrachloroethane
Concen: 21.071 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:131 Resp: 33988

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	141.8
119	68.8	33.1	99.3



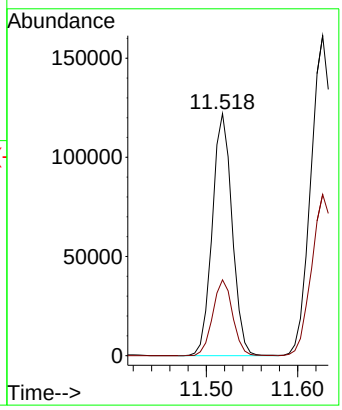


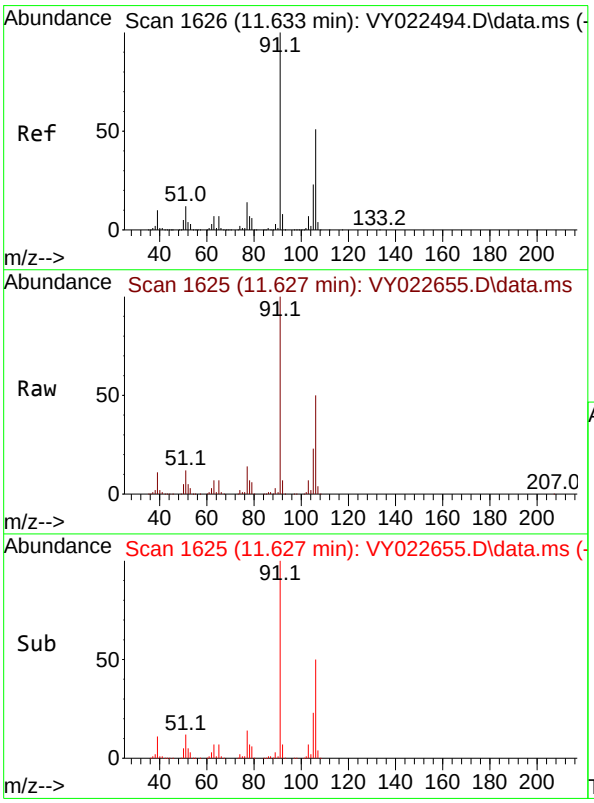
#67
Ethyl Benzene
Concen: 20.745 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 91 Resp: 184235

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.4

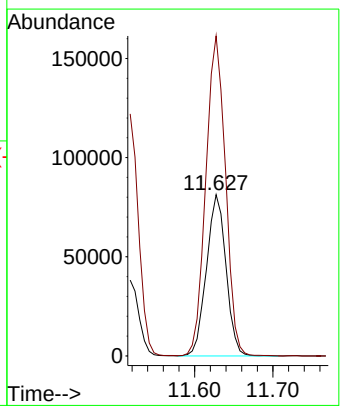


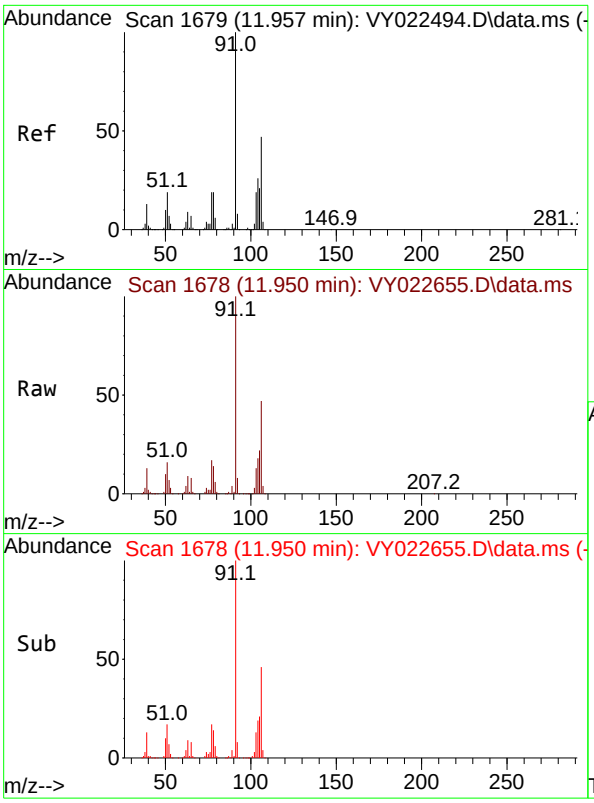


#68
m/p-Xylenes
Concen: 41.839 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:106 Resp: 140858

Ion	Ratio	Lower	Upper
106	100		
91	199.7	159.4	239.0



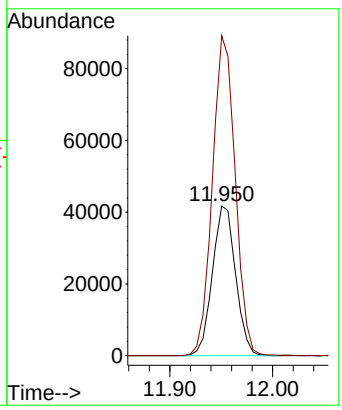


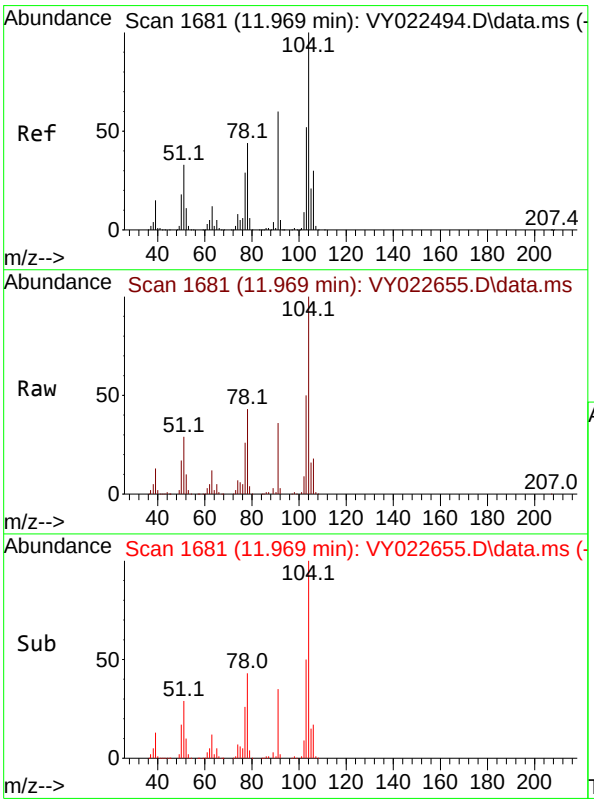
#69
o-Xylene
Concen: 20.690 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:106 Resp: 65306

Ion	Ratio	Lower	Upper
106	100		
91	210.9	105.8	317.3

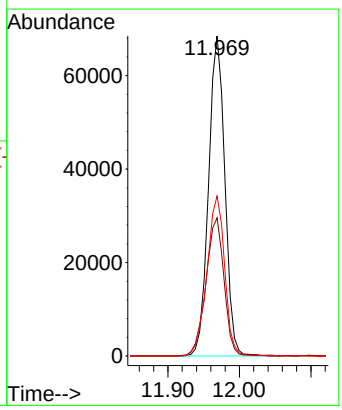


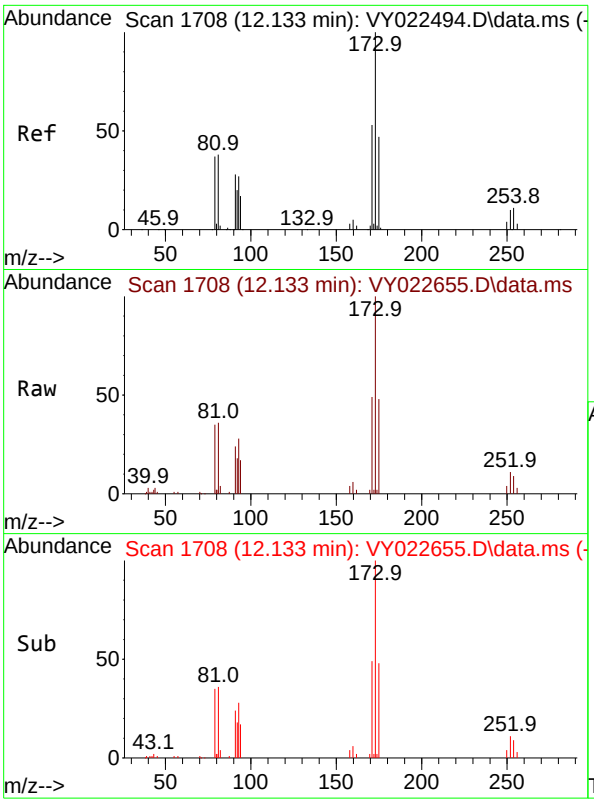


#70
Styrene
Concen: 20.781 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:104 Resp: 108428

Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.5	59.3
103	54.2	44.1	66.1



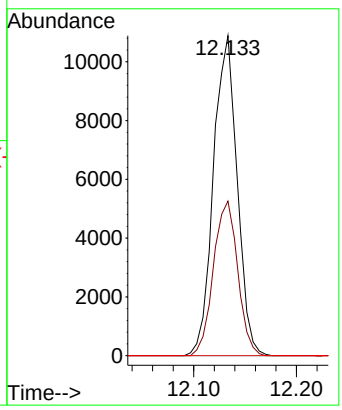


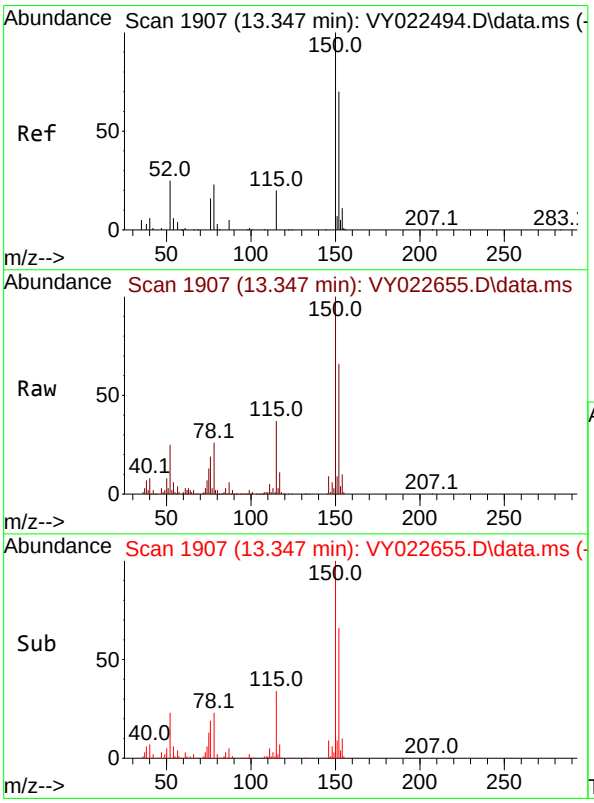
#71
Bromoform
Concen: 20.322 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:173 Resp: 17443

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.5
254	0.0	0.0	0.0

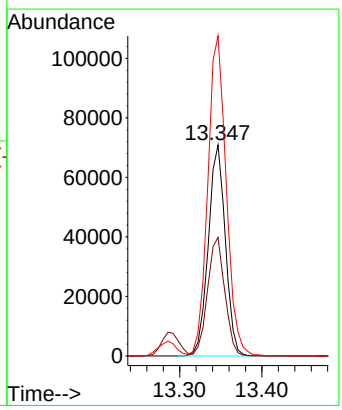


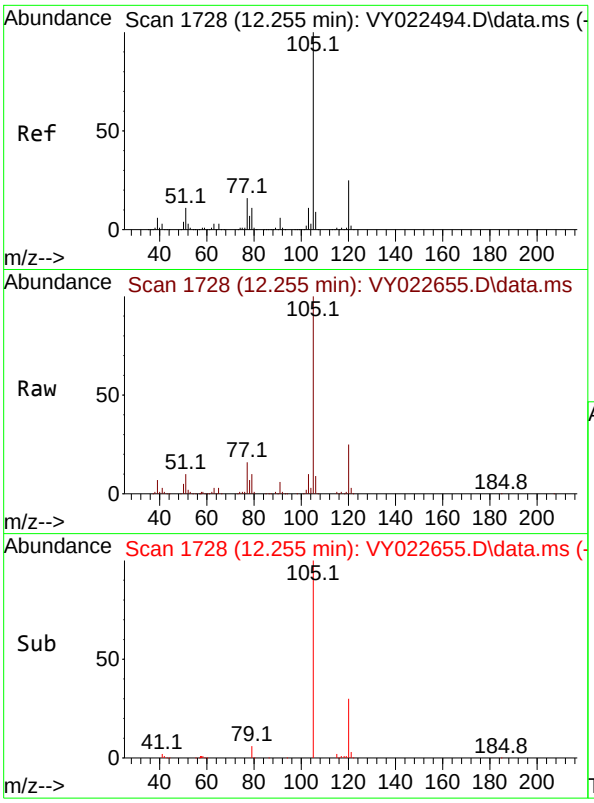


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:152 Resp: 102308

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.7
150	163.6	0.0	349.6



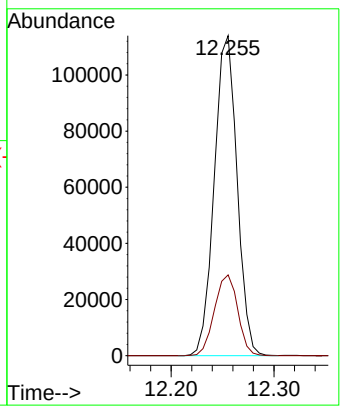


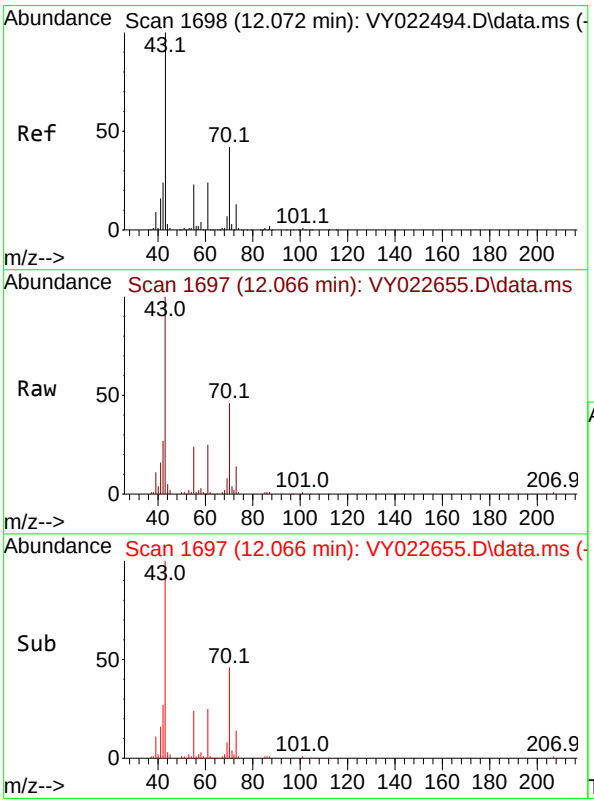
#73
Isopropylbenzene
Concen: 20.874 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:105 Resp: 175327

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9

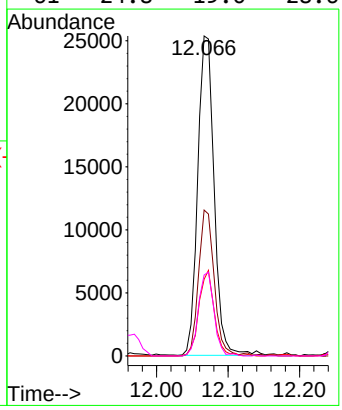


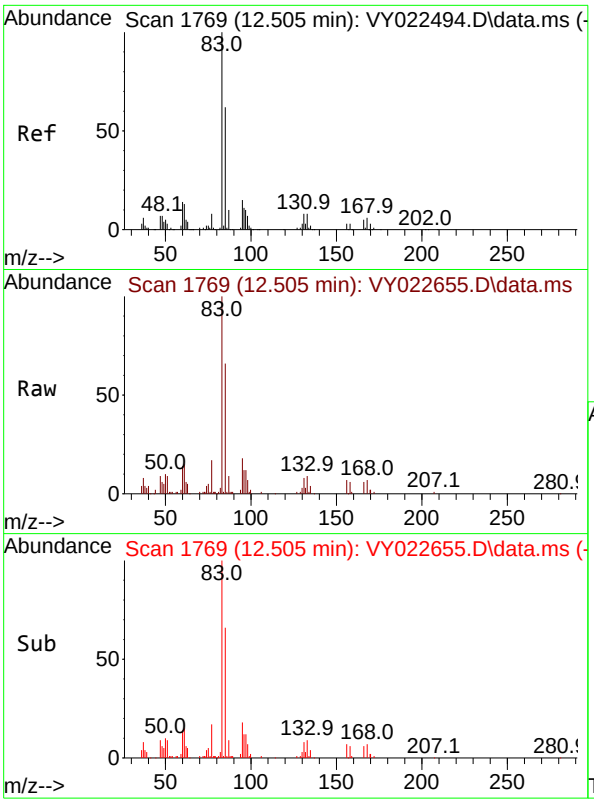


#74
N-amyl acetate
Concen: 19.083 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 43 Resp: 40443

Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.2	51.2
55	25.2	18.2	27.4
61	24.8	19.0	28.6



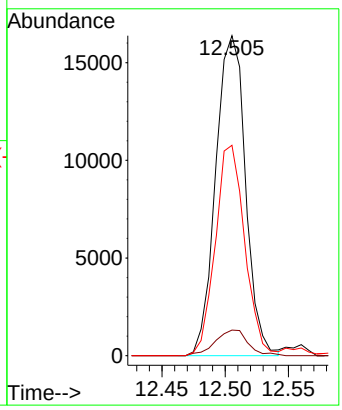


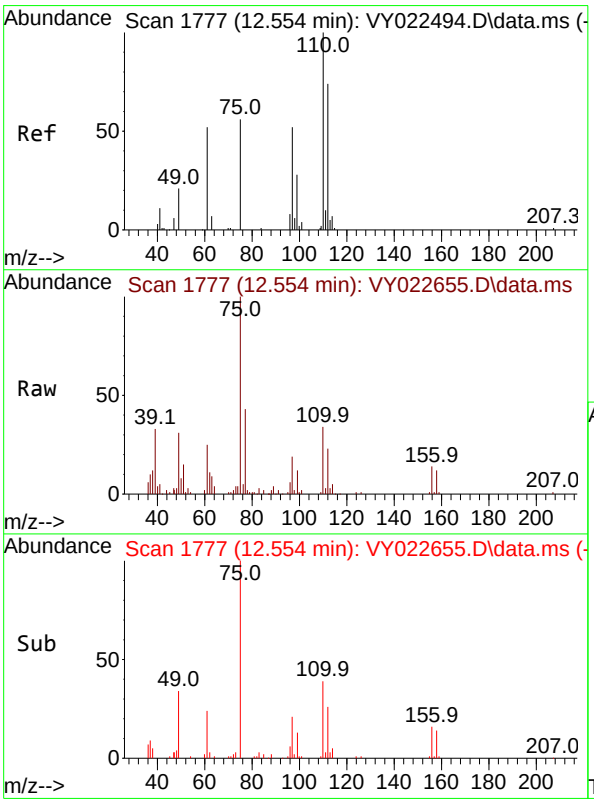
#75
1,1,2,2-Tetrachloroethane
Concen: 19.484 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 83 Resp: 26860

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.9	14.7
85	64.8	32.6	97.8

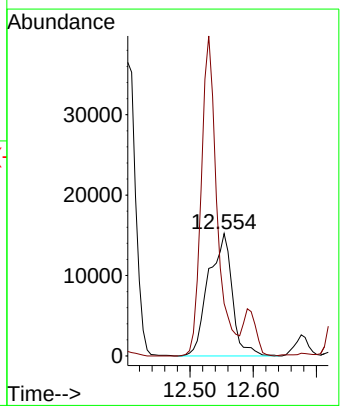


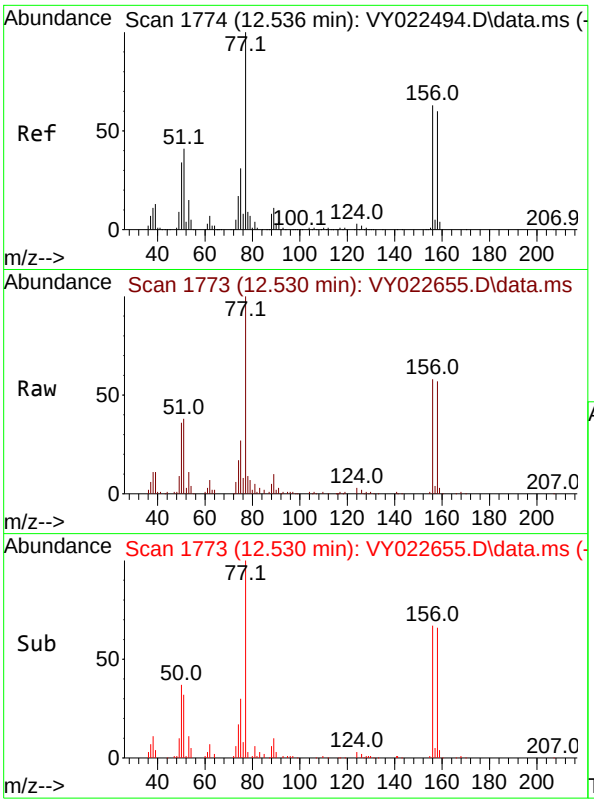


#76
1,2,3-Trichloropropane
Concen: 33.933 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 39716

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



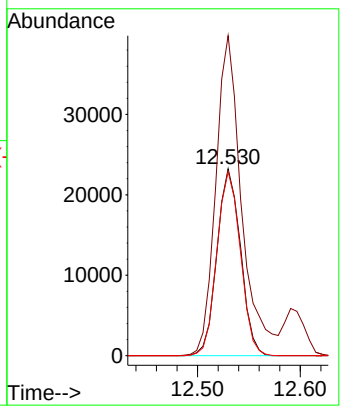


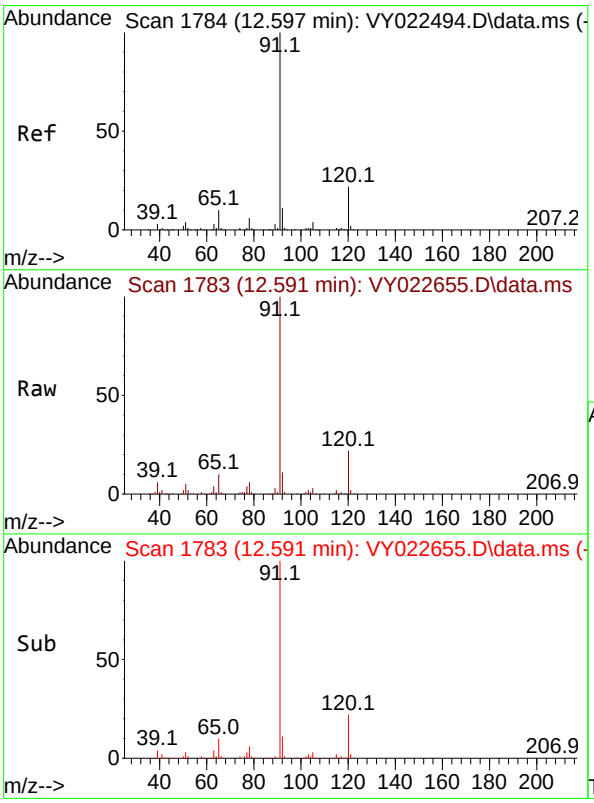
#77
Bromobenzene
Concen: 20.876 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:156 Resp: 37003

Ion	Ratio	Lower	Upper
156	100		
77	188.5	94.0	282.1
158	98.3	48.2	144.6

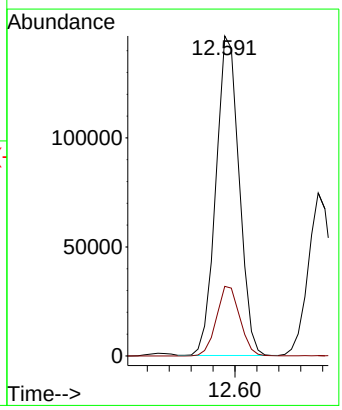


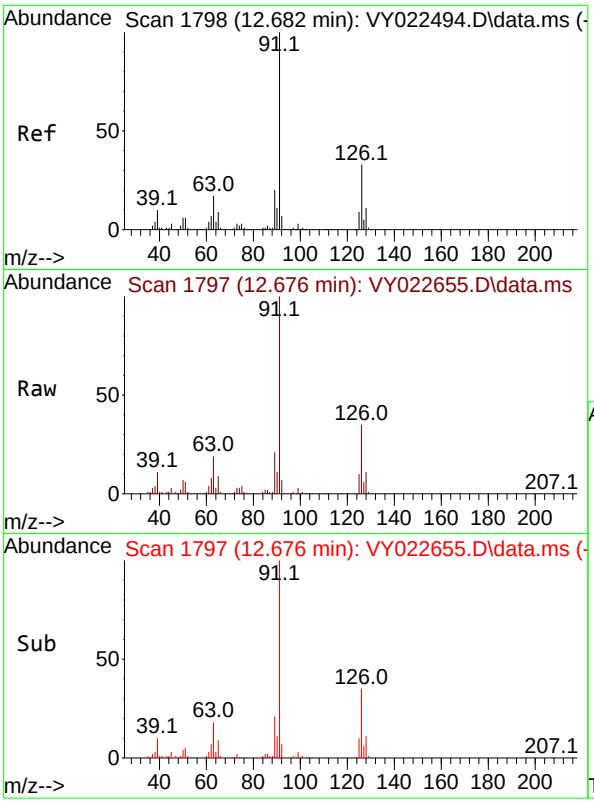


#78
n-propylbenzene
Concen: 21.023 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 215673

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



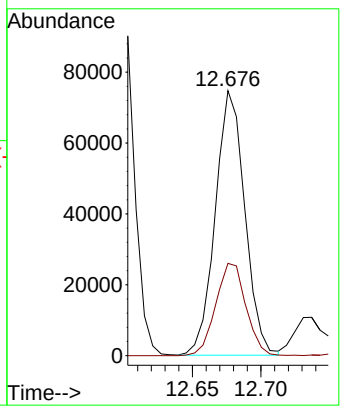


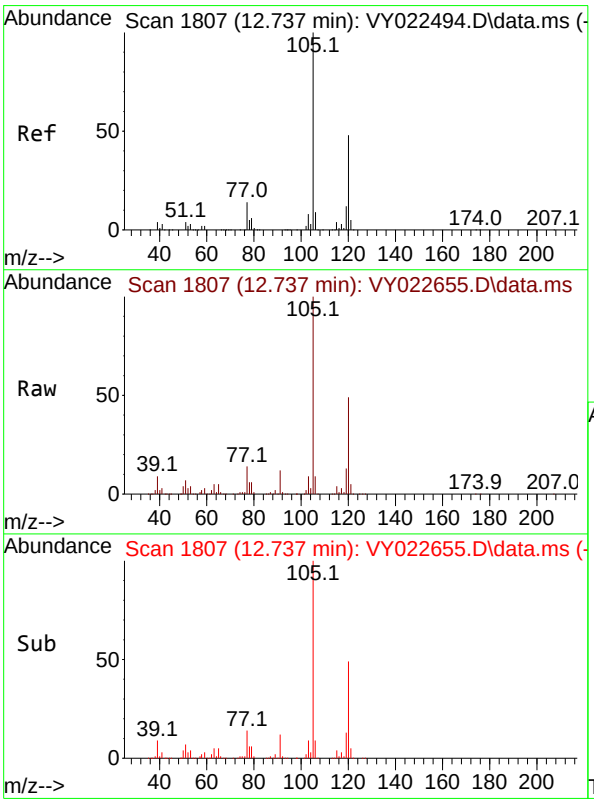
#79
2-Chlorotoluene
Concen: 20.568 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 91 Resp: 111836

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.0	51.0

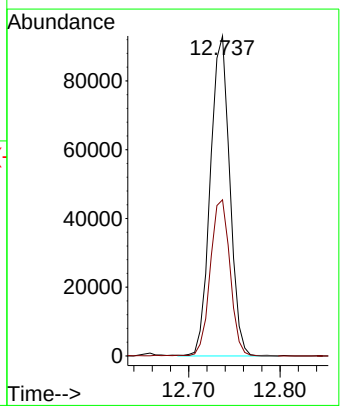


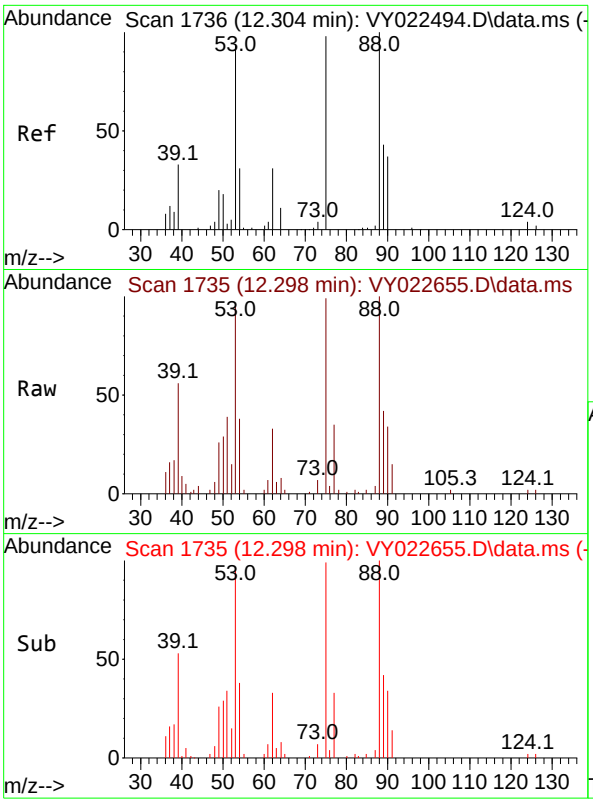


#80
1,3,5-Trimethylbenzene
Concen: 20.769 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:105 Resp: 136959

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.1	72.4



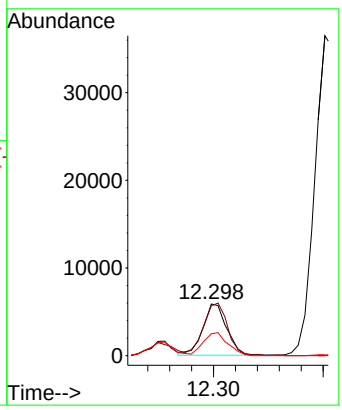


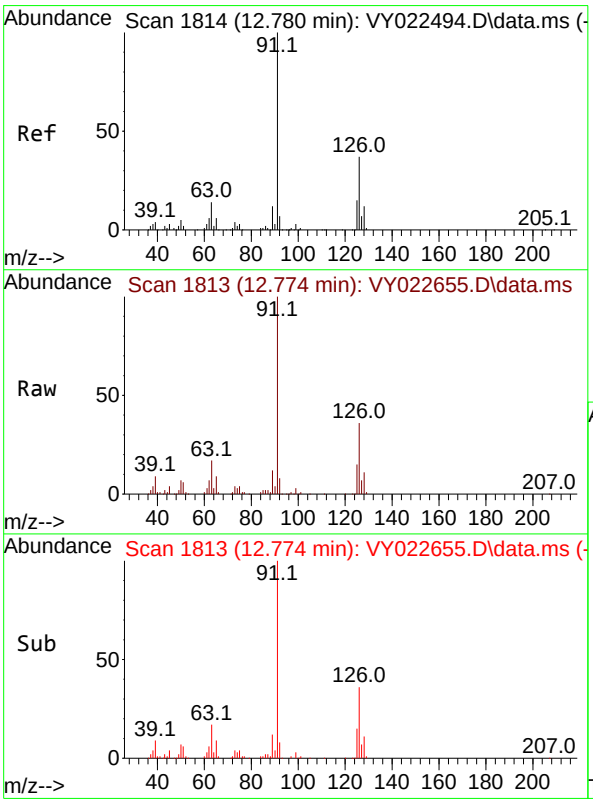
#81
trans-1,4-Dichloro-2-butene
Concen: 18.231 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 75 Resp: 8836

Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.5	117.7
89	45.6	35.7	53.5

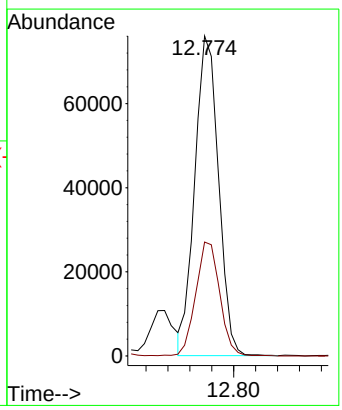


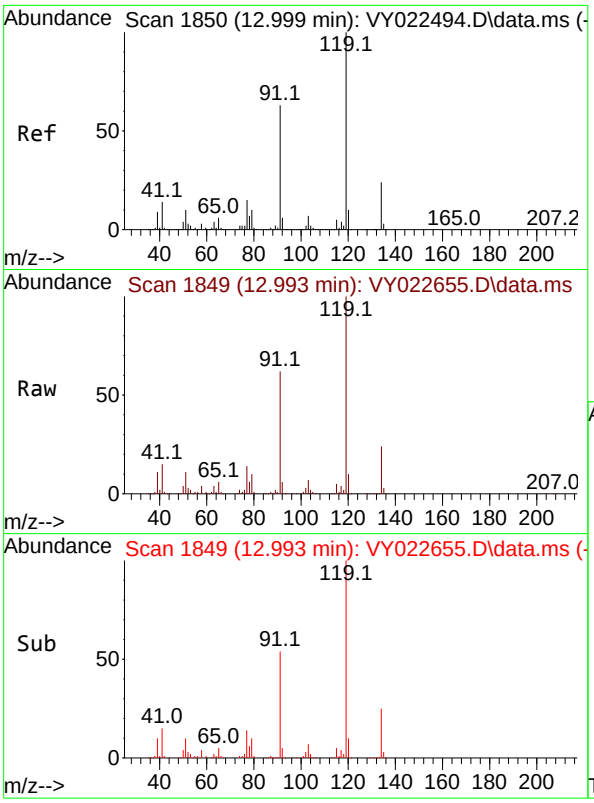


#82
4-Chlorotoluene
Concen: 20.380 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 91 Resp: 114316

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.0	50.9



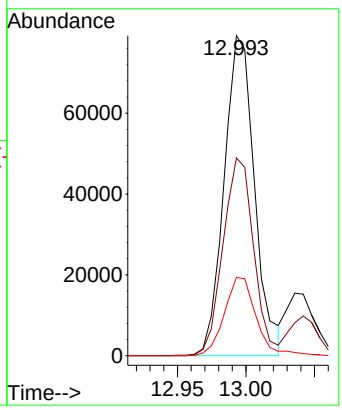


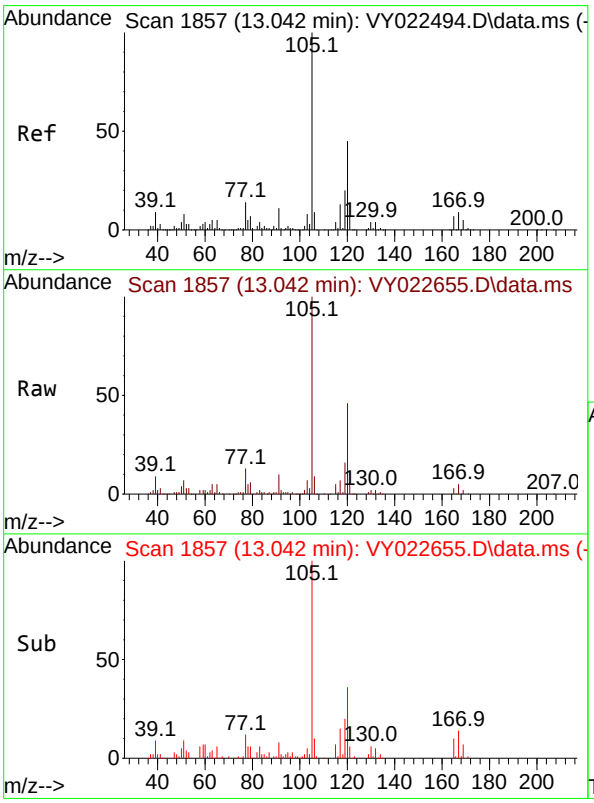
#83
tert-Butylbenzene
Concen: 20.705 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:119 Resp: 122545

Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.1	96.3
134	25.6	13.0	38.9

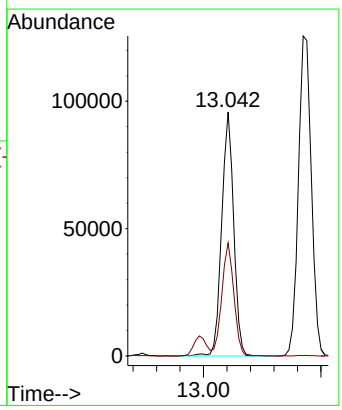


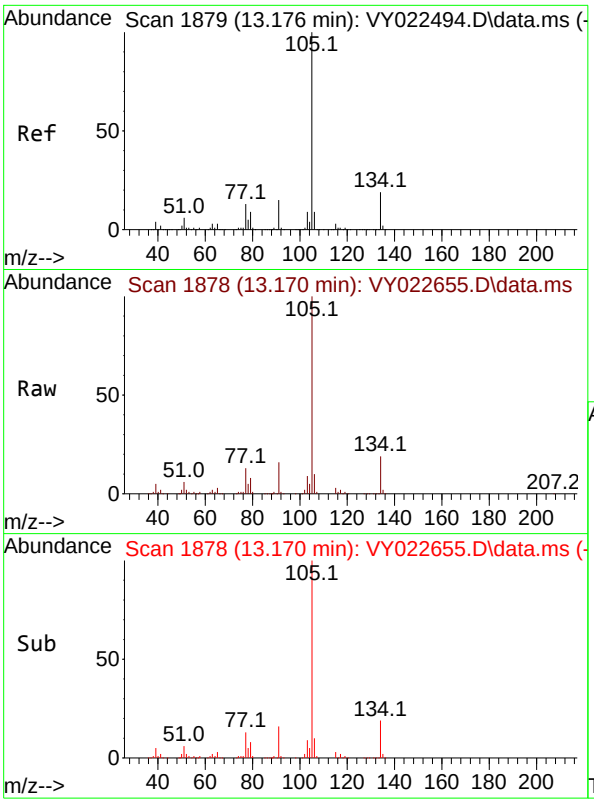


#84
1,2,4-Trimethylbenzene
Concen: 20.590 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:105 Resp: 135799

Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.7	68.1



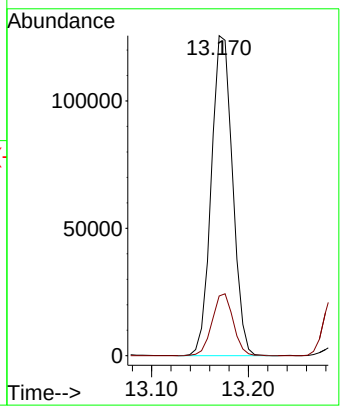


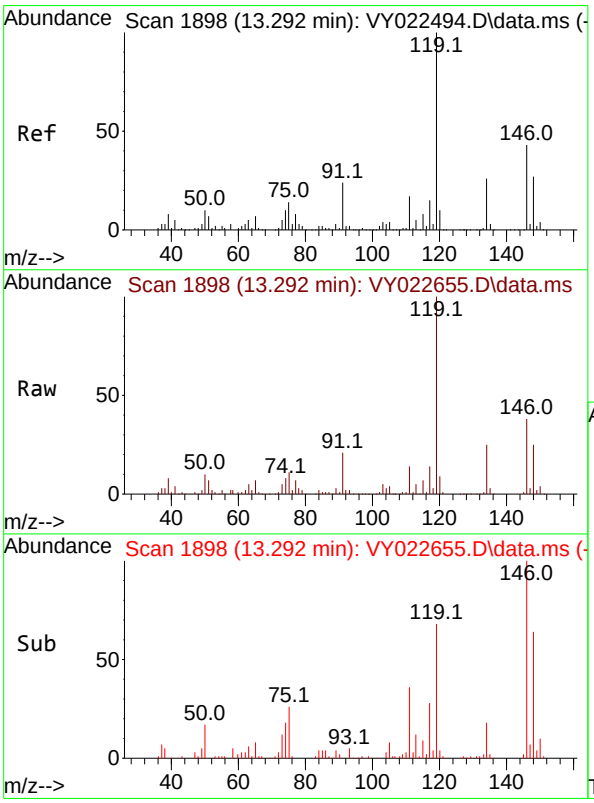
#85
sec-Butylbenzene
Concen: 21.130 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:105 Resp: 191535

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

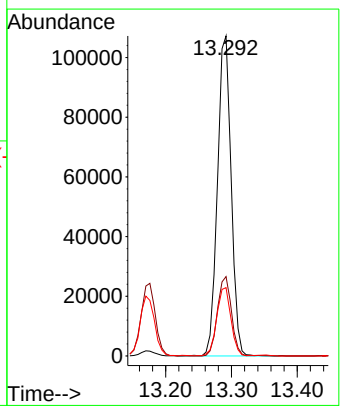


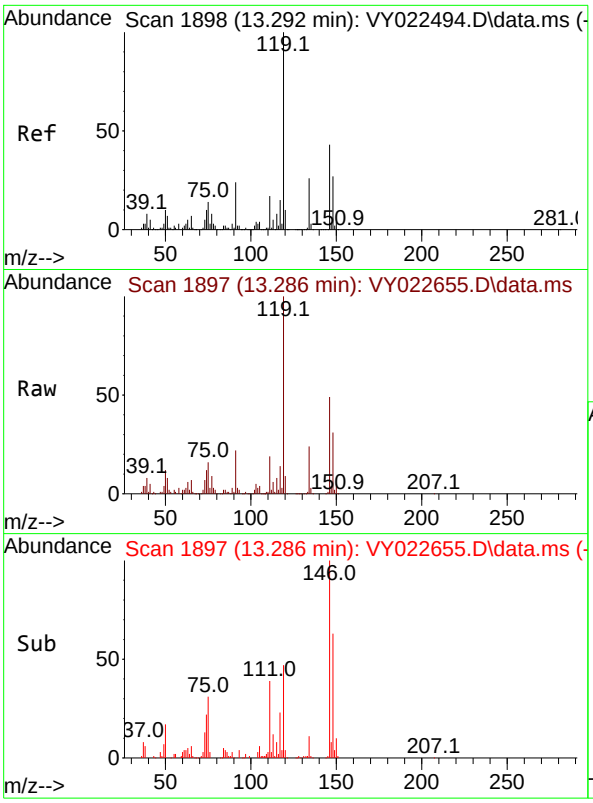


#86
p-Isopropyltoluene
Concen: 20.765 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:119 Resp: 155151

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.1
91	22.0	11.6	34.8



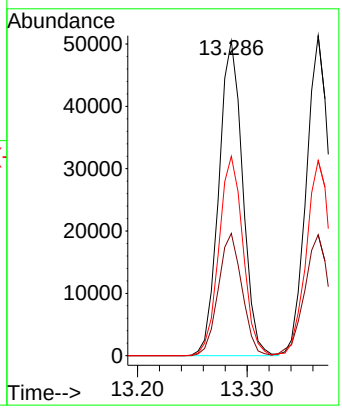


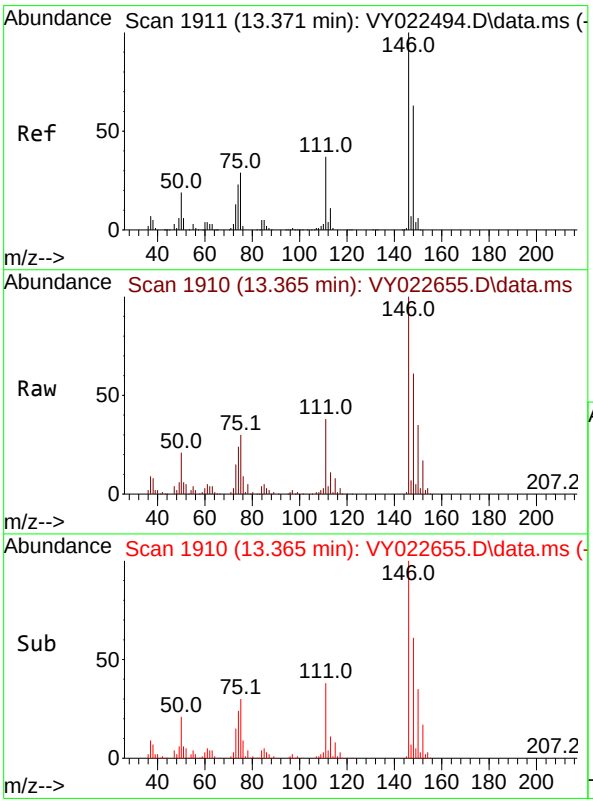
#87
1,3-Dichlorobenzene
Concen: 21.265 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:146 Resp: 76368

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3

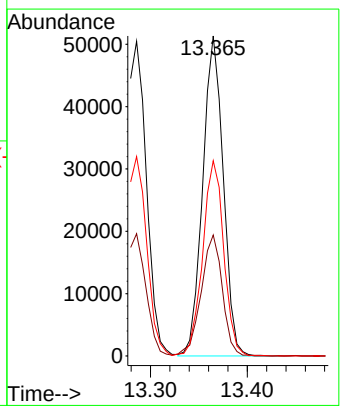


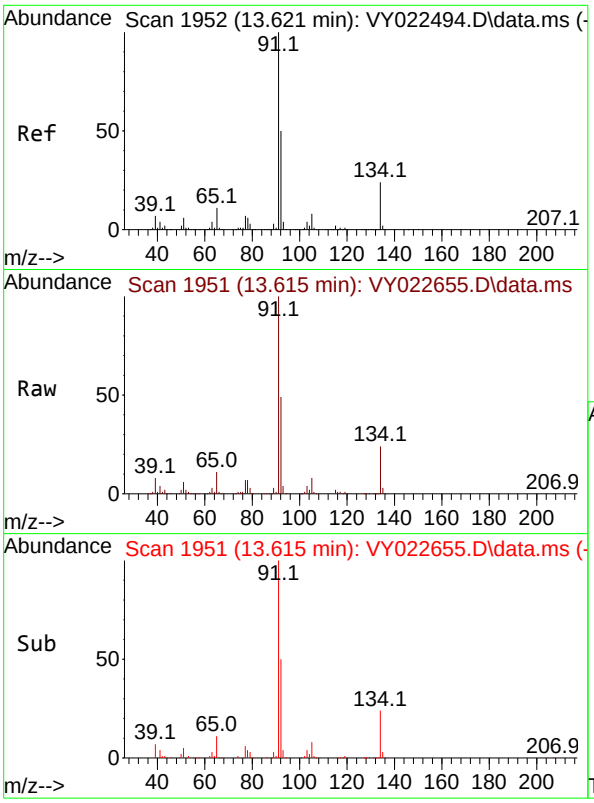


#88
1,4-Dichlorobenzene
Concen: 21.792 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:146 Resp: 75907

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	62.8	31.6	94.8



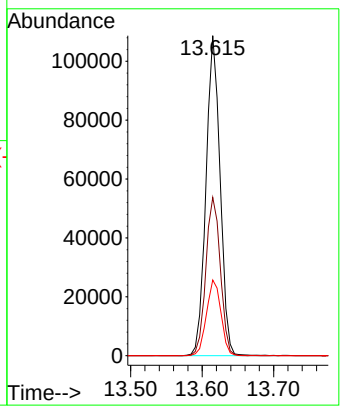


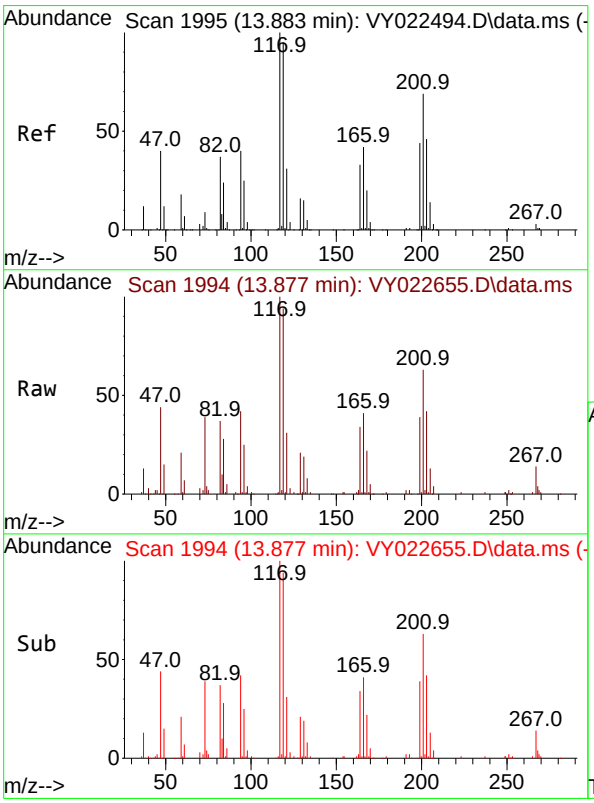
#89
n-Butylbenzene
Concen: 21.011 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion: 91 Resp: 148942

Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.9	77.8
134	24.2	12.0	36.1

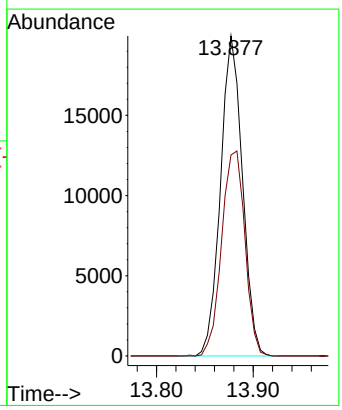


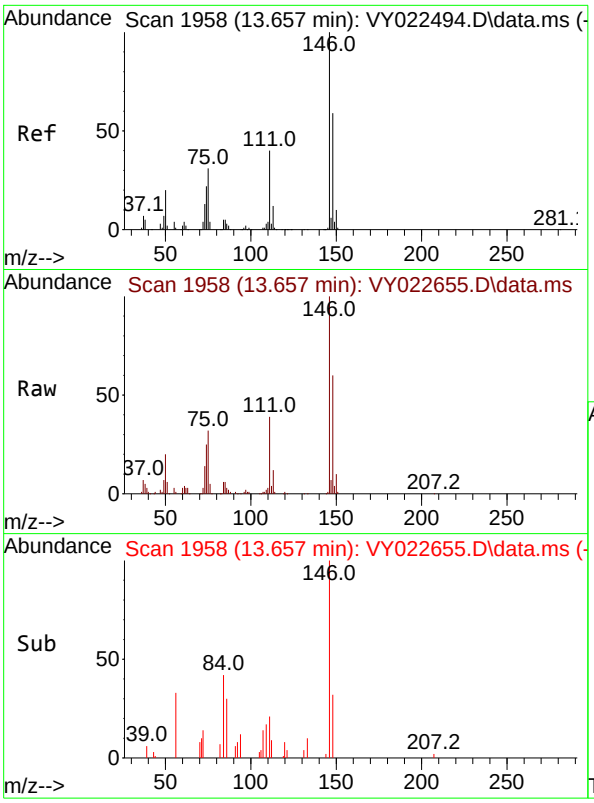


#90
Hexachloroethane
Concen: 21.563 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:117 Resp: 31366

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.0	102.0



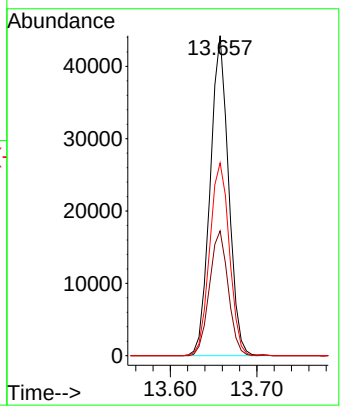


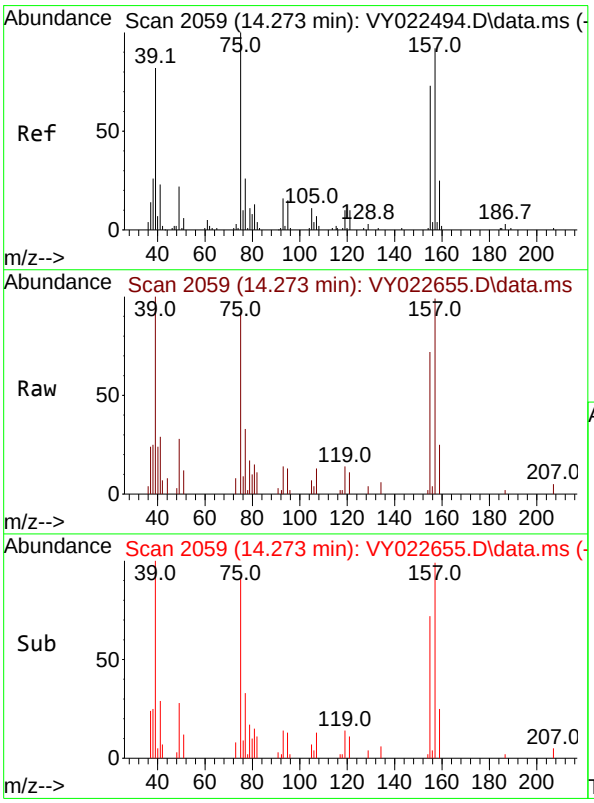
#91
1,2-Dichlorobenzene
Concen: 21.421 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:146 Resp: 65316

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	64.4	31.4	94.0

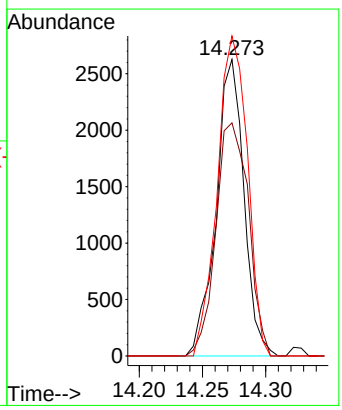


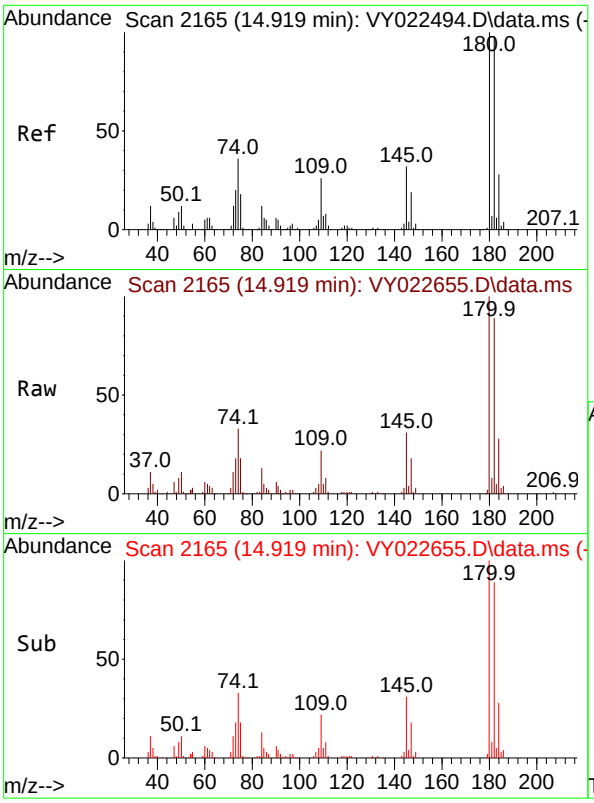


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.929 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion: 75 Resp: 4000

Ion	Ratio	Lower	Upper
75	100		
155	92.6	39.9	119.6
157	117.7	54.0	162.0



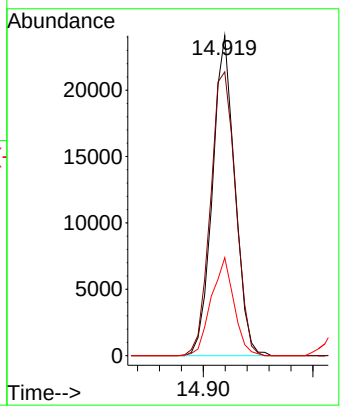


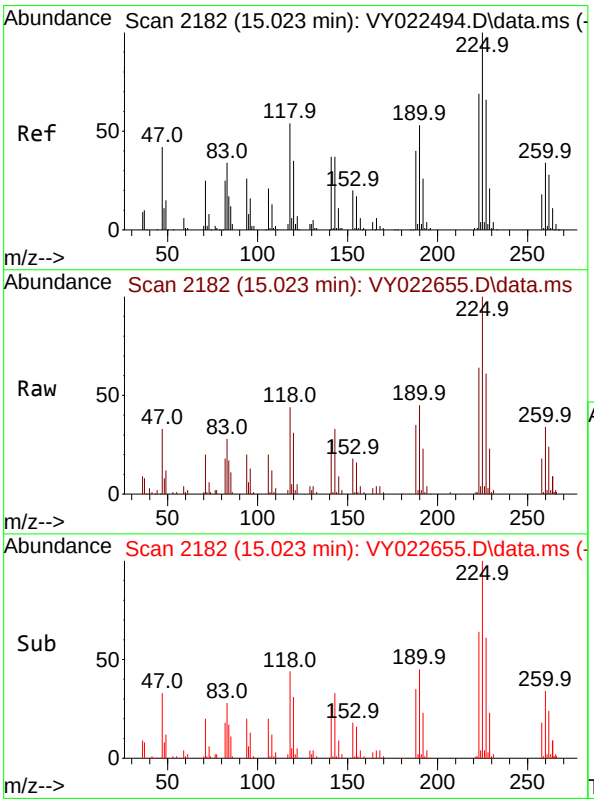
#93
1,2,4-Trichlorobenzene
Concen: 20.582 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:180 Resp: 34227

Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.4	145.3
145	31.2	15.5	46.5

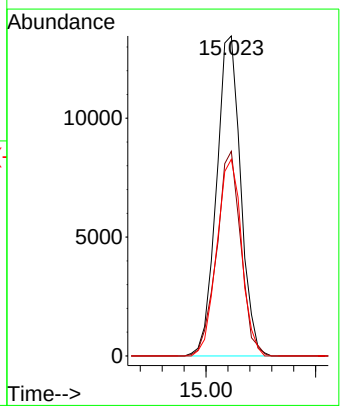


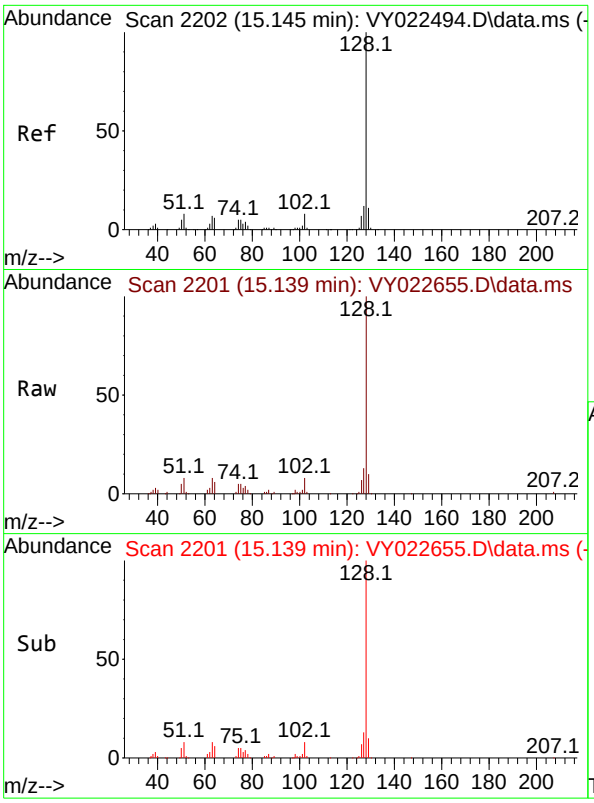


#94
Hexachlorobutadiene
Concen: 22.411 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:225 Resp: 20570

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.5	97.4
227	63.2	32.3	96.9



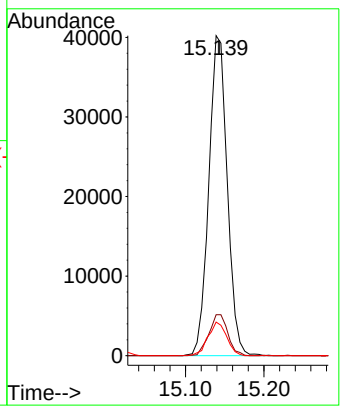


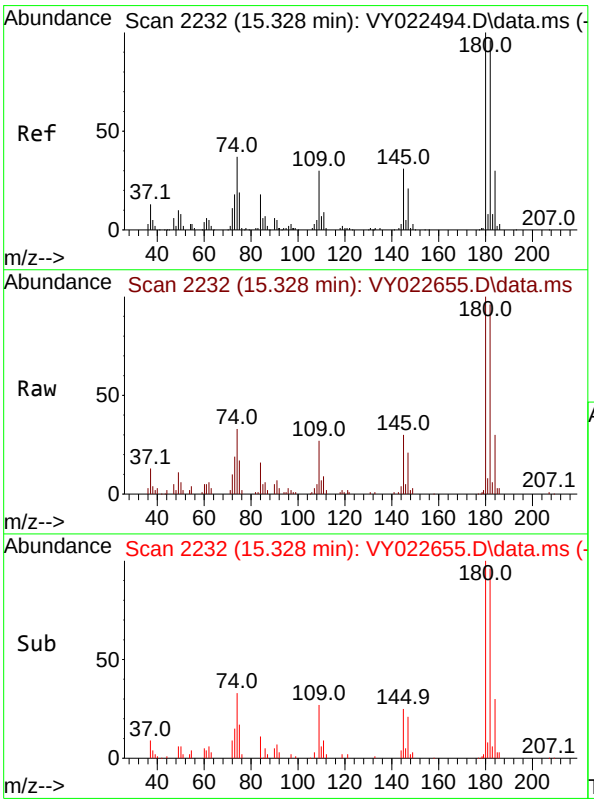
#95
Naphthalene
Concen: 20.574 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0611SBSD01

Tgt Ion:128 Resp: 65657

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.6	8.9	13.3

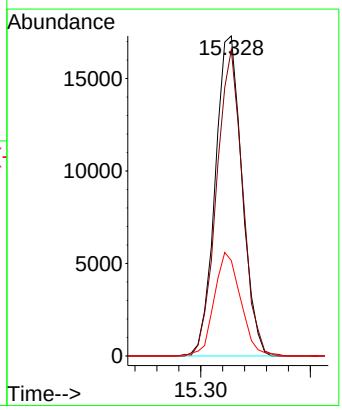




#96
1,2,3-Trichlorobenzene
Concen: 20.612 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022655.D
Acq: 11 Jun 2025 11:23

Tgt Ion:180 Resp: 29376

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.1	141.3
145	31.8	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	174652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	290386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	245247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88159	45.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.260%			
35) Dibromofluoromethane	7.634	113	85825	49.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.040%			
50) Toluene-d8	10.103	98	355393	50.745	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.402	95	104426	50.044	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	67134	42.934	ug/l	97
3) Chloromethane	2.062	50	187281	40.542	ug/l	100
4) Vinyl Chloride	2.196	62	296607	55.348	ug/l	99
5) Bromomethane	2.586	94	219808	42.795	ug/l	95
6) Chloroethane	2.726	64	208143	56.588	ug/l	94
7) Trichlorofluoromethane	3.043	101	261037	57.379	ug/l	99
8) Diethyl Ether	3.452	74	45960	44.860	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.806	101	90977	47.481	ug/l	98
10) Methyl Iodide	4.001	142	105757	51.004	ug/l	99
11) Tert butyl alcohol	4.854	59	31805	227.964	ug/l	98
12) 1,1-Dichloroethene	3.781	96	91369	49.887	ug/l	95
13) Acrolein	3.641	56	17121	98.468	ug/l	99
14) Allyl chloride	4.379	41	126821	44.108	ug/l	97
15) Acrylonitrile	5.055	53	95190	219.381	ug/l	100
16) Acetone	3.860	43	88582	223.295	ug/l	96
17) Carbon Disulfide	4.098	76	265351	45.254	ug/l	96
18) Methyl Acetate	4.379	43	53148	45.242	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	239071	46.344	ug/l	99
20) Methylene Chloride	4.604	84	101284	44.947	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	99475	48.528	ug/l	94
22) Diisopropyl ether	6.012	45	290531	45.396	ug/l	99
23) Vinyl Acetate	5.958	43	797575	210.554	ug/l	97
24) 1,1-Dichloroethane	5.909	63	185766	49.271	ug/l	100
25) 2-Butanone	6.890	43	125095	218.612	ug/l	97
26) 2,2-Dichloropropane	6.884	77	167558	50.298	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	119480	50.429	ug/l	98
28) Bromochloromethane	7.244	49	73335	44.621	ug/l	94
29) Tetrahydrofuran	7.256	42	77840	210.910	ug/l	96
30) Chloroform	7.415	83	187597	50.234	ug/l	97
31) Cyclohexane	7.695	56	159823	42.579	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	166517	50.229	ug/l	98
36) 1,1-Dichloropropene	7.829	75	140868	50.076	ug/l	99
37) Ethyl Acetate	6.982	43	54334	43.311	ug/l	98
38) Carbon Tetrachloride	7.817	117	145468	50.408	ug/l	99
39) Methylcyclohexane	9.109	83	177444	46.938	ug/l	96
40) Benzene	8.079	78	426686	51.354	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.250	41	74607	101.816 ug/l #	33
42) 1,2-Dichloroethane	8.152	62	104573	46.095 ug/l	98
43) Isopropyl Acetate	8.195	43	120039	44.305 ug/l	99
44) Trichloroethene	8.860	130	110843	54.584 ug/l	99
45) 1,2-Dichloropropane	9.140	63	98541	50.184 ug/l	98
46) Dibromomethane	9.225	93	54106	48.978 ug/l	99
47) Bromodichloromethane	9.420	83	137944	49.246 ug/l	96
48) Methyl methacrylate	9.219	41	52779	41.507 ug/l	90
49) 1,4-Dioxane	9.225	88	12179	930.584 ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	301886	223.486 ug/l	96
52) Toluene	10.170	92	266417	51.024 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	125291	47.738 ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	151585	49.616 ug/l	94
55) 1,1,2-Trichloroethane	10.567	97	67097	47.632 ug/l	95
56) Ethyl methacrylate	10.438	69	97246	47.764 ug/l	97
57) 1,3-Dichloropropane	10.713	76	120065	48.090 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	229595	248.382 ug/l	99
59) 2-Hexanone	10.756	43	202877	224.569 ug/l	96
60) Dibromochloromethane	10.908	129	86194	48.149 ug/l	99
61) 1,2-Dibromoethane	11.012	107	62168	48.421 ug/l	95
64) Tetrachloroethene	10.646	164	134865	63.928 ug/l	96
65) Chlorobenzene	11.438	112	282144	51.989 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	93342	51.056 ug/l	99
67) Ethyl Benzene	11.518	91	517369	51.398 ug/l	100
68) m/p-Xylenes	11.627	106	398753	104.498 ug/l	98
69) o-Xylene	11.950	106	189238	52.894 ug/l	97
70) Styrene	11.963	104	310024	52.424 ug/l	98
71) Bromoform	12.127	173	47022	48.333 ug/l #	100
73) Isopropylbenzene	12.249	105	487911	50.210 ug/l	99
74) N-amyl acetate	12.066	43	108716	44.340 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	61263	38.413 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	102635	75.797 ug/l #	100
77) Bromobenzene	12.530	156	102552	50.011 ug/l	94
78) n-propylbenzene	12.591	91	591928	49.873 ug/l	98
79) 2-Chlorotoluene	12.676	91	309843	49.256 ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	381869	50.055 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	23152	41.290 ug/l	98
82) 4-Chlorotoluene	12.773	91	314019	48.391 ug/l	97
83) tert-Butylbenzene	12.993	119	351878	51.390 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	379800	49.775 ug/l	99
85) sec-Butylbenzene	13.170	105	527233	50.277 ug/l	99
86) p-Isopropyltoluene	13.286	119	441582	51.086 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	210101	50.570 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	197667	49.053 ug/l	99
89) n-Butylbenzene	13.615	91	414934	50.596 ug/l	99
90) Hexachloroethane	13.877	117	85386	50.740 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	174803	49.555 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10482	45.142 ug/l	94
93) 1,2,4-Trichlorobenzene	14.913	180	98333	51.112 ug/l	97
94) Hexachlorobutadiene	15.017	225	53797	50.664 ug/l	96
95) Naphthalene	15.139	128	214460	58.089 ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	79920	48.472 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

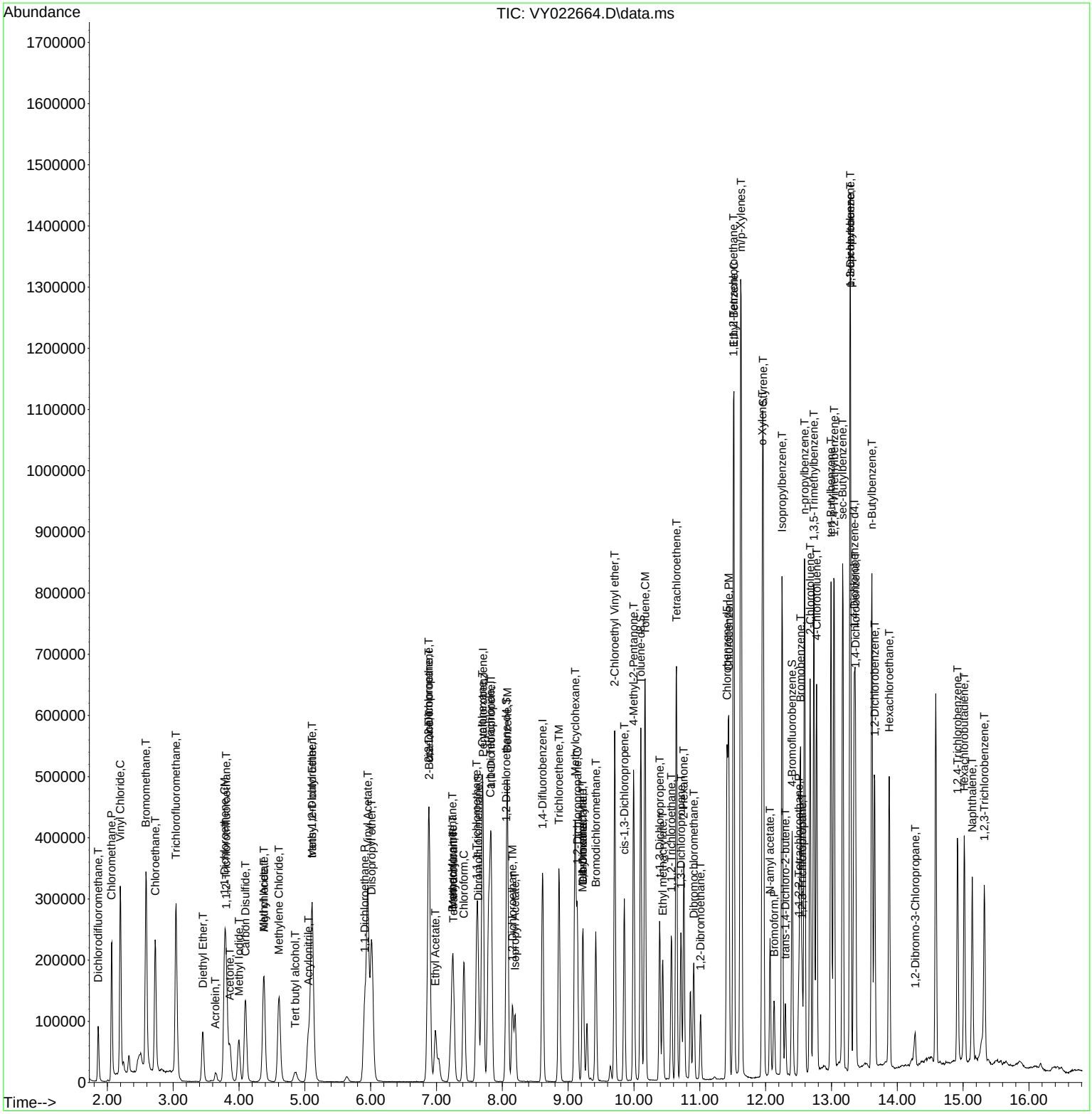
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

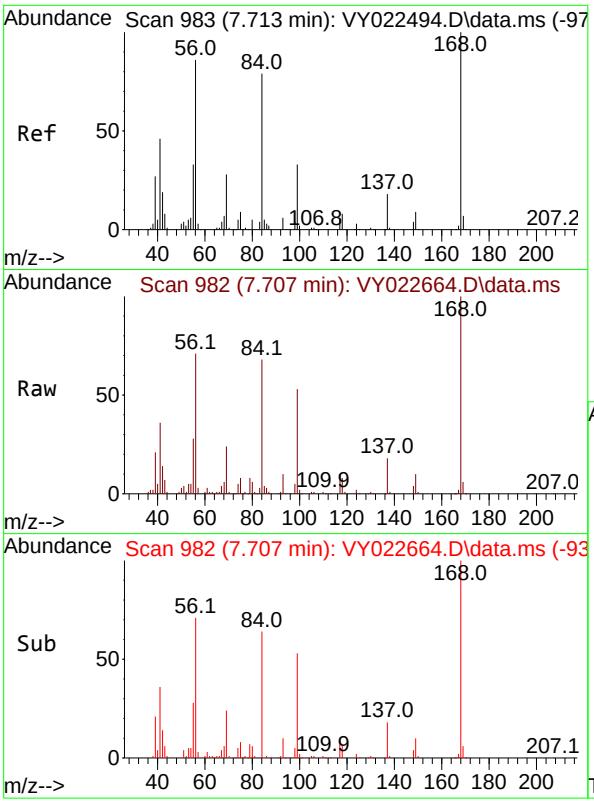
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022664.D
Acq On : 11 Jun 2025 15:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 12 05:08:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



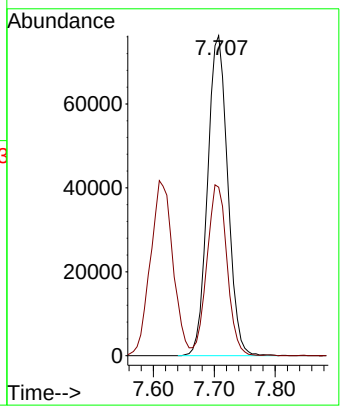


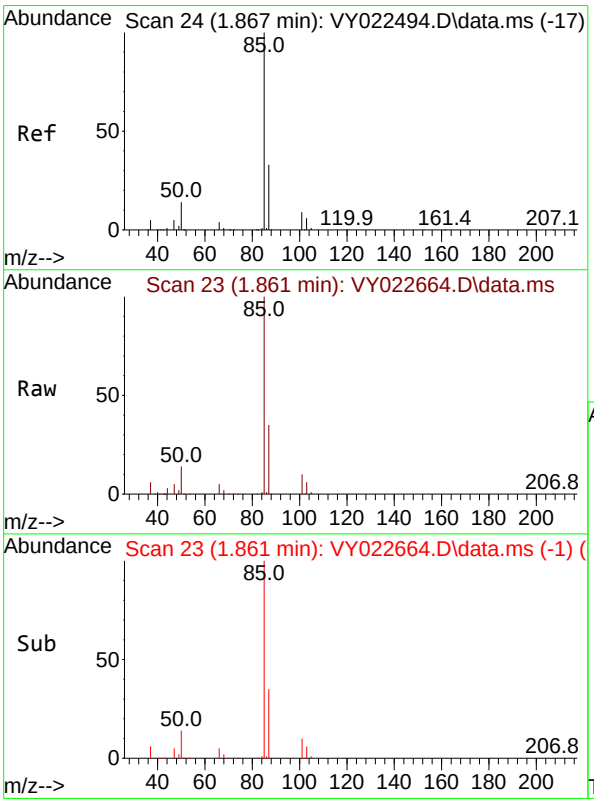
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 174652

Ion	Ratio	Lower	Upper
168	100		
99	52.7	44.3	66.5

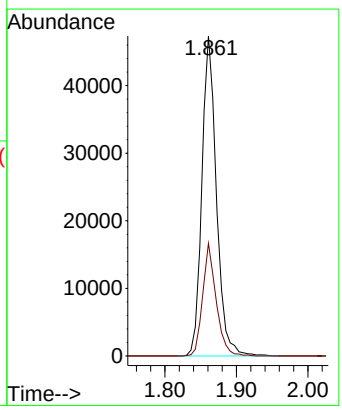


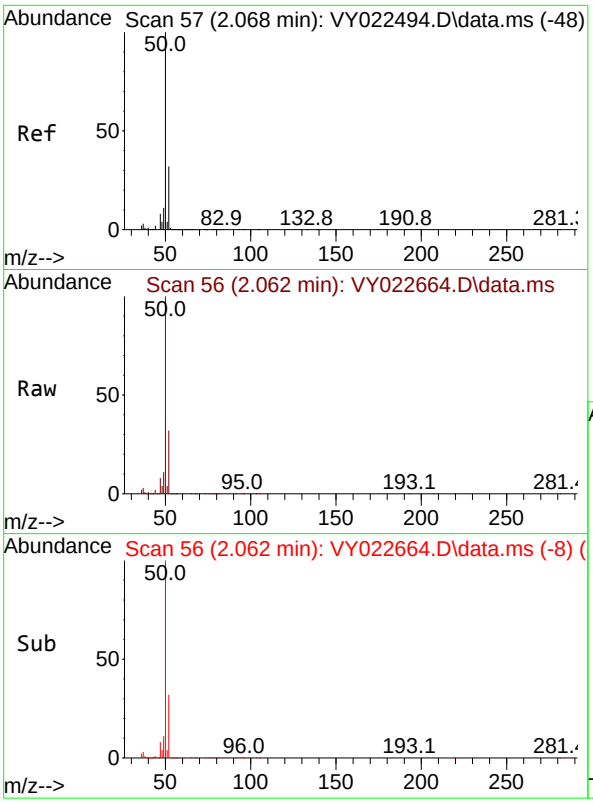


#2
Dichlorodifluoromethane
Concen: 42.934 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 85 Resp: 67134

Ion	Ratio	Lower	Upper
85	100		
87	35.2	16.7	50.0



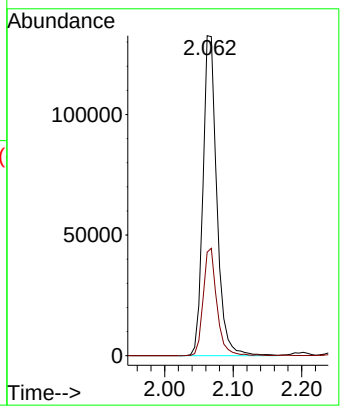


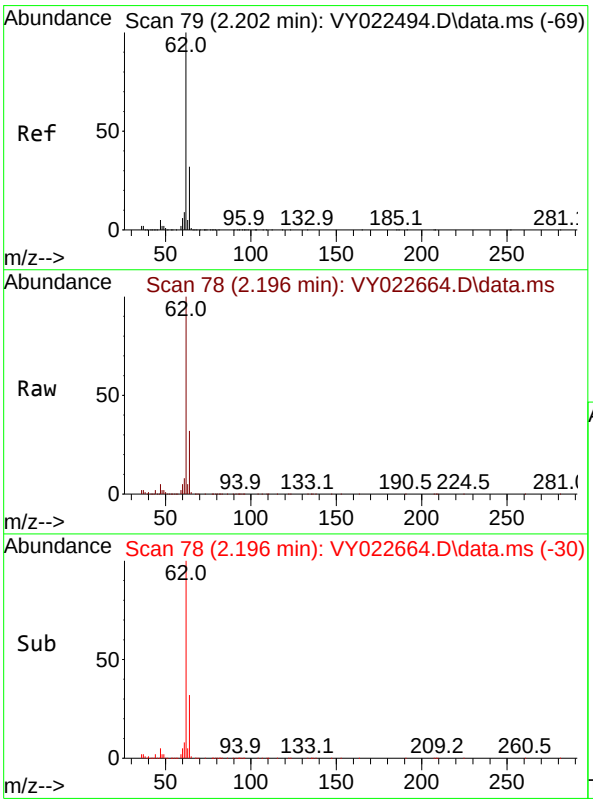
#3
Chloromethane
Concen: 40.542 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 187281

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0

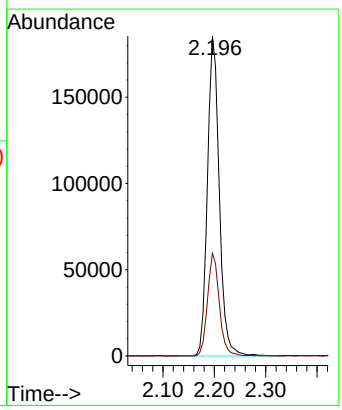


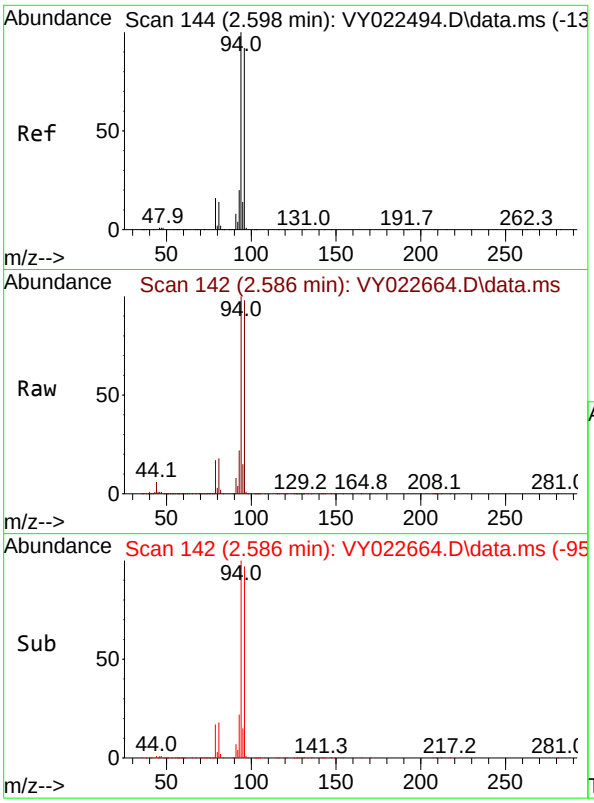


#4
Vinyl Chloride
Concen: 55.348 ug/l
RT: 2.196 min Scan# 78
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 62 Resp: 296607

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.3	37.9



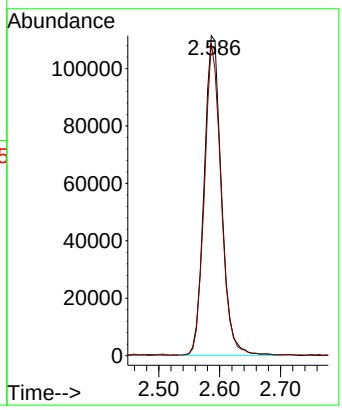


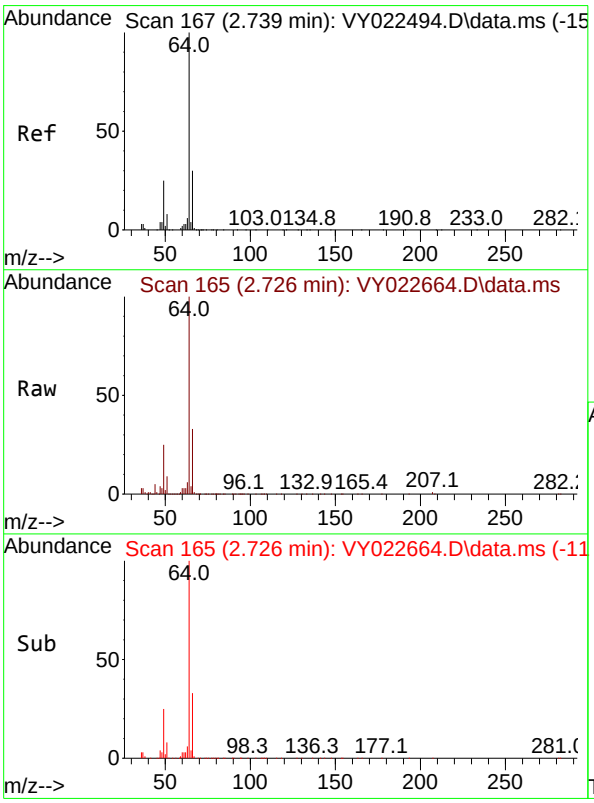
#5
Bromomethane
Concen: 42.795 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 219808

Ion	Ratio	Lower	Upper
94	100		
96	97.4	74.0	111.0

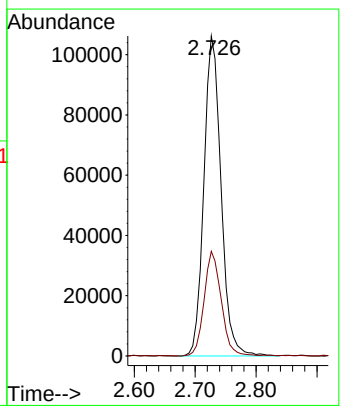


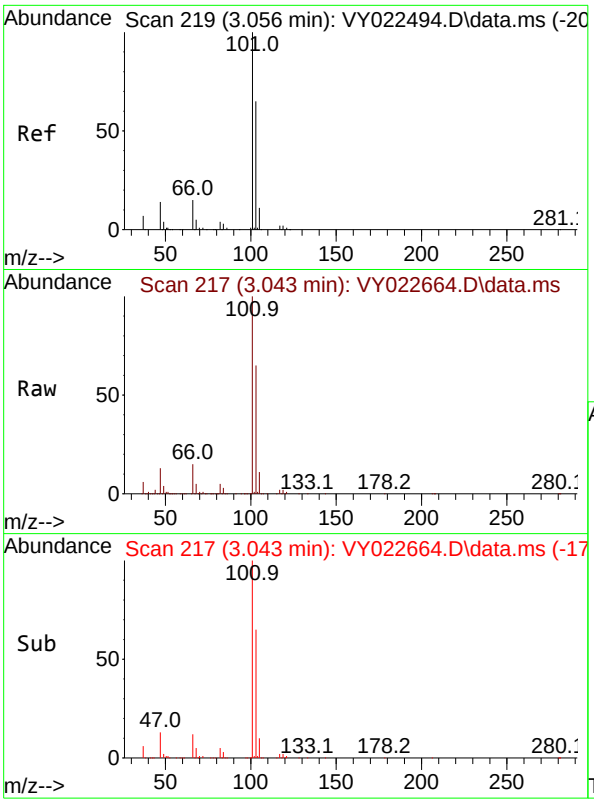


#6
Chloroethane
Concen: 56.588 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 64 Resp: 208143

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.8	35.6



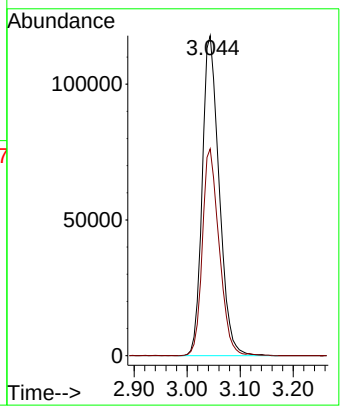


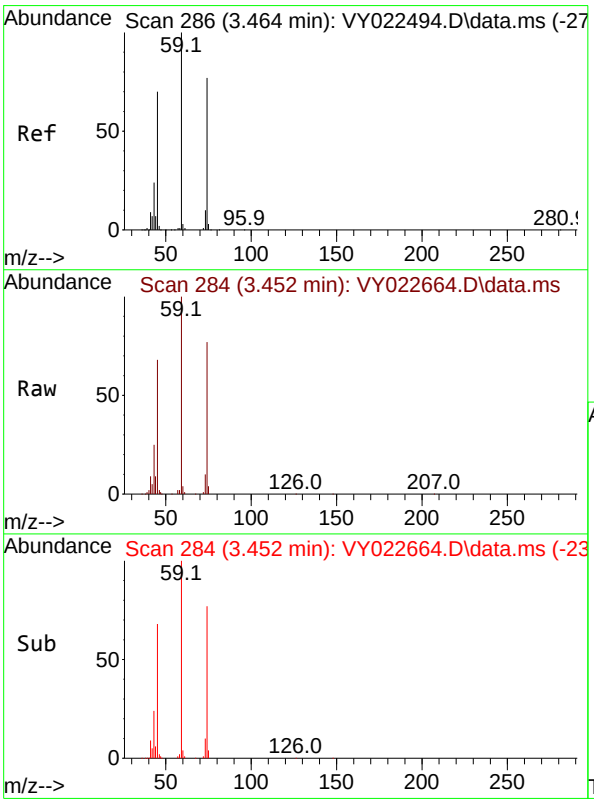
#7
Trichlorofluoromethane
Concen: 57.379 ug/l
RT: 3.043 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 261037

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

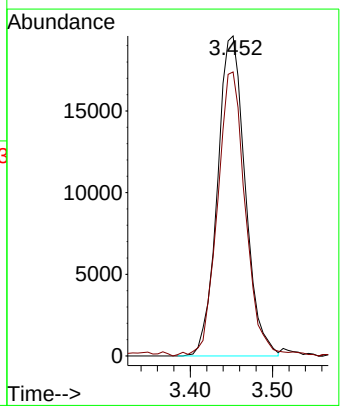


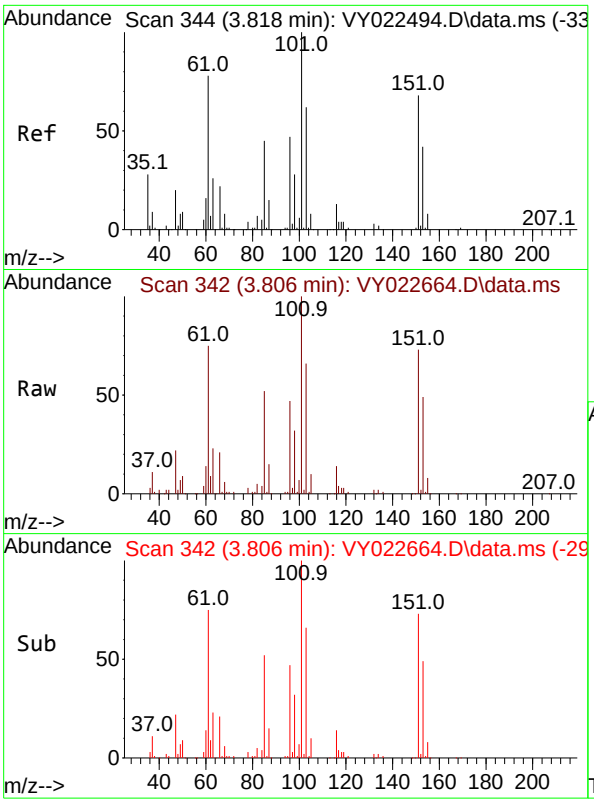


#8
Diethyl Ether
Concen: 44.860 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 74 Resp: 45960

Ion	Ratio	Lower	Upper
74	100		
45	89.6	45.9	137.6



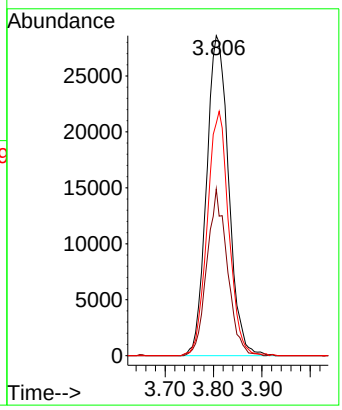


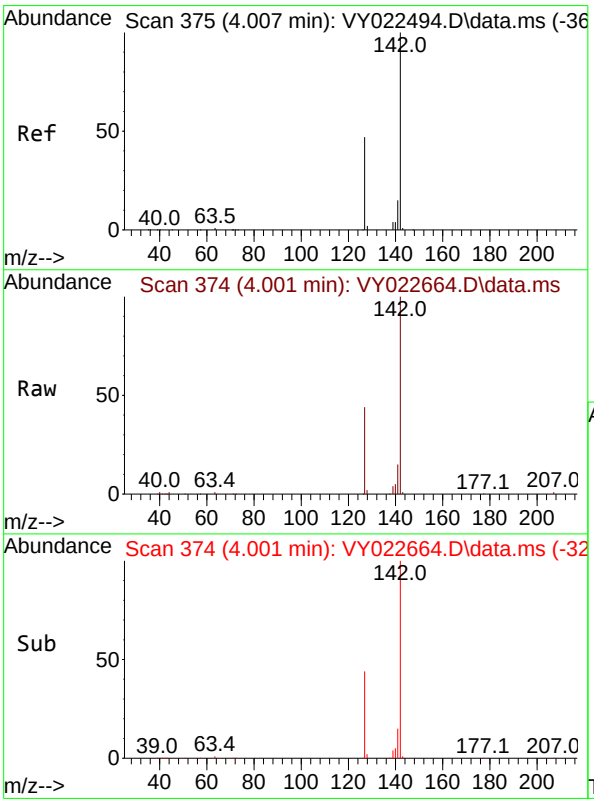
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.481 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 90977

Ion	Ratio	Lower	Upper
101	100		
85	47.9	39.3	58.9
151	74.4	57.8	86.8

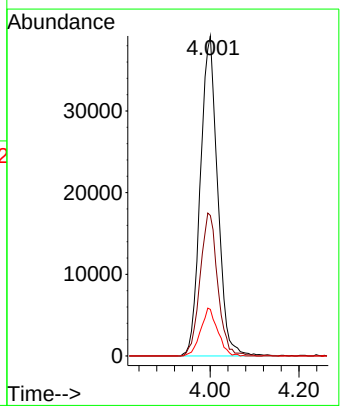


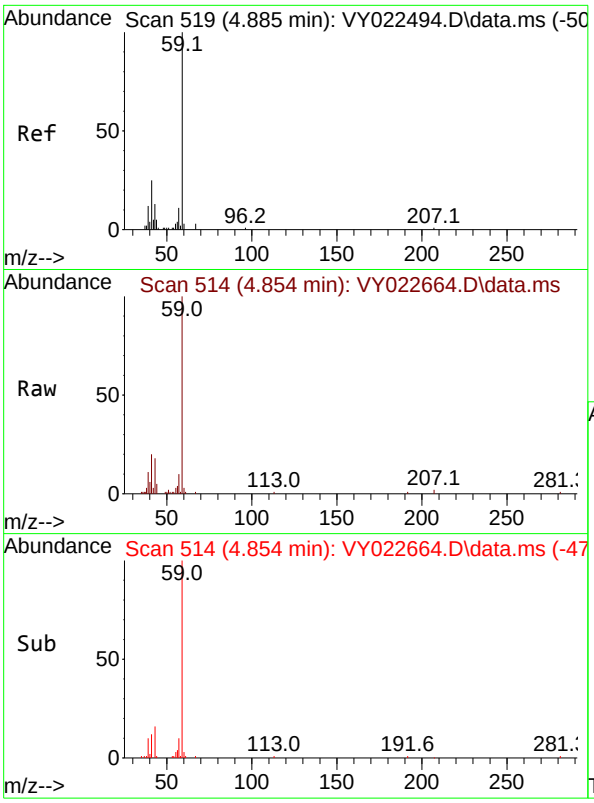


#10
Methyl Iodide
Concen: 51.004 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:142 Resp: 105757

Ion	Ratio	Lower	Upper
142	100		
127	45.7	37.1	55.7
141	14.8	11.4	17.2



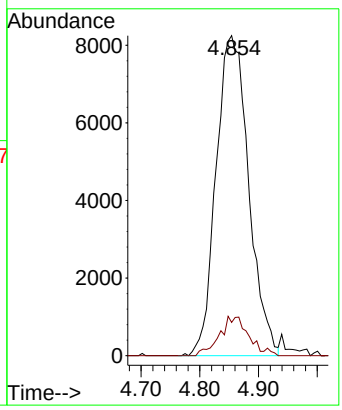


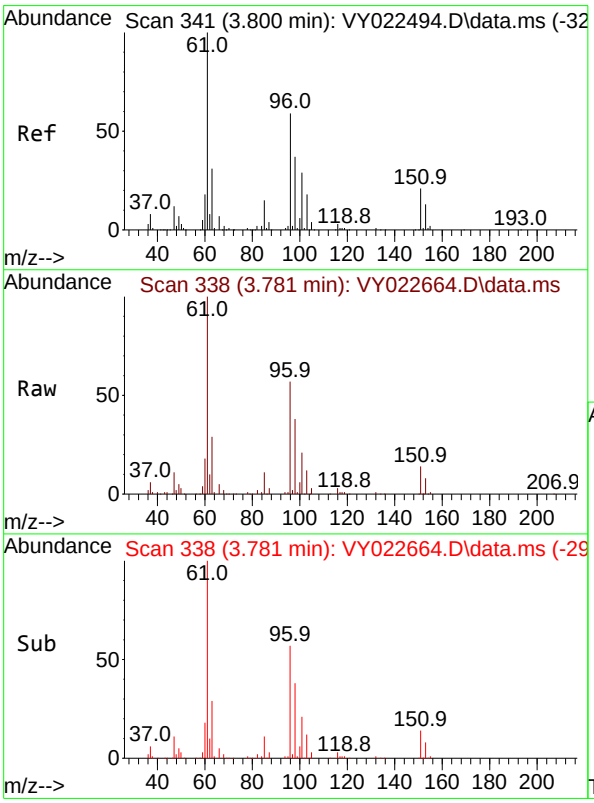
#11
Tert butyl alcohol
Concen: 227.964 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.031 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 31805

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.0	12.0

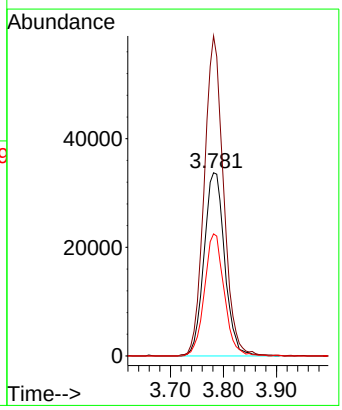


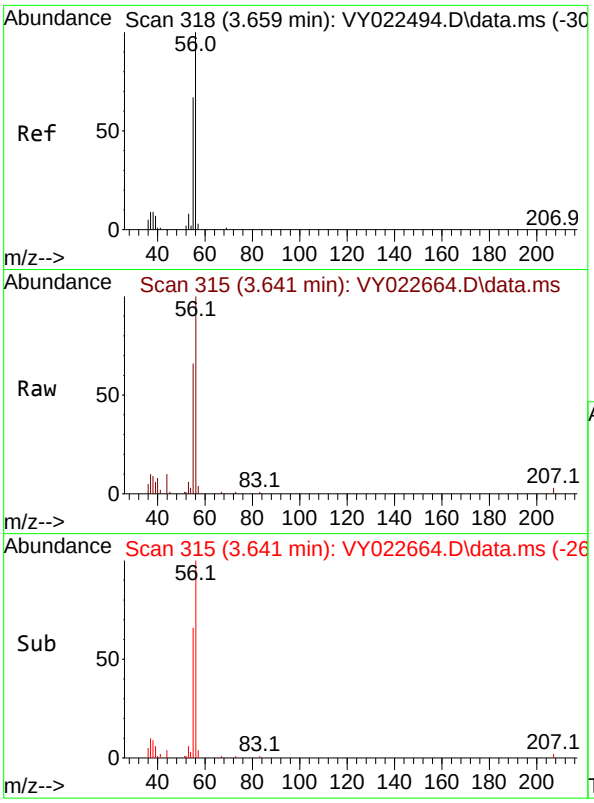


#12
1,1-Dichloroethene
Concen: 49.887 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 96 Resp: 91369

Ion	Ratio	Lower	Upper
96	100		
61	174.7	134.6	201.8
98	66.7	50.2	75.4



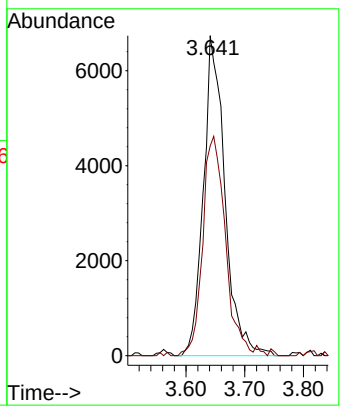


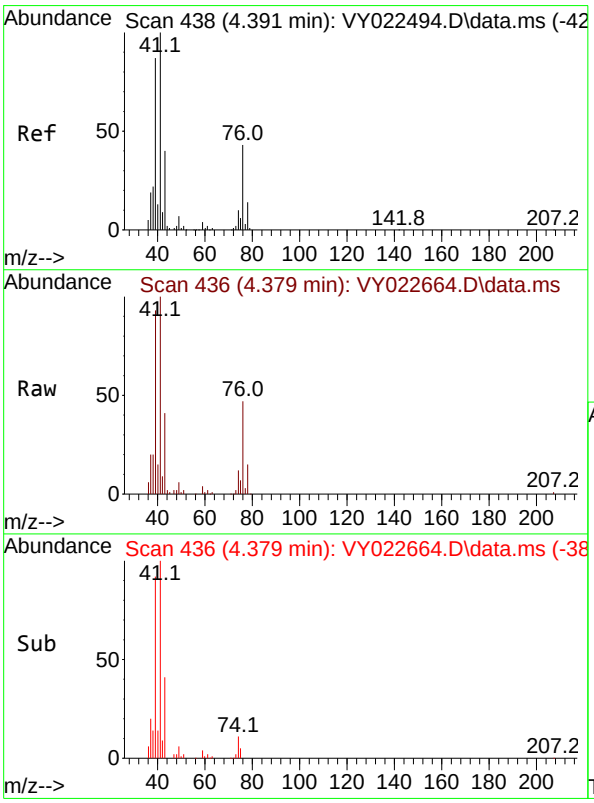
#13
Acrolein
Concen: 98.468 ug/l
RT: 3.641 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 17121

Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.0	85.6

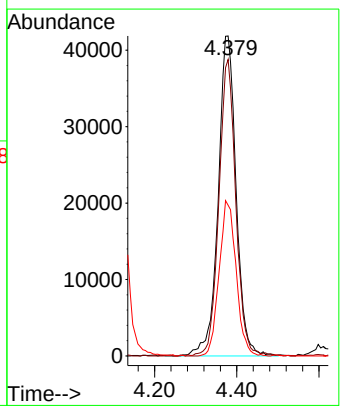


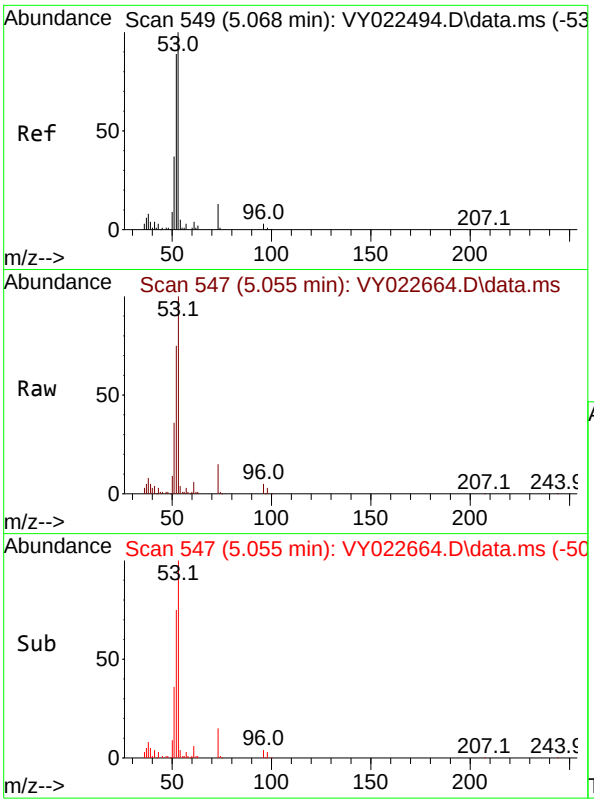


#14
Allyl chloride
Concen: 44.108 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 41 Resp: 126821

Ion	Ratio	Lower	Upper
41	100		
39	87.4	69.1	103.7
76	46.0	33.5	50.3



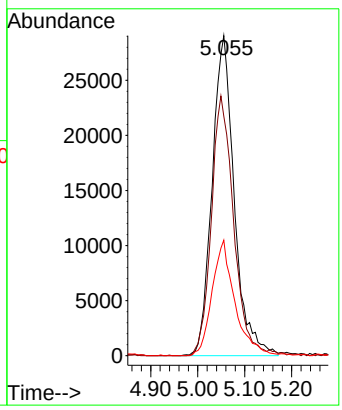


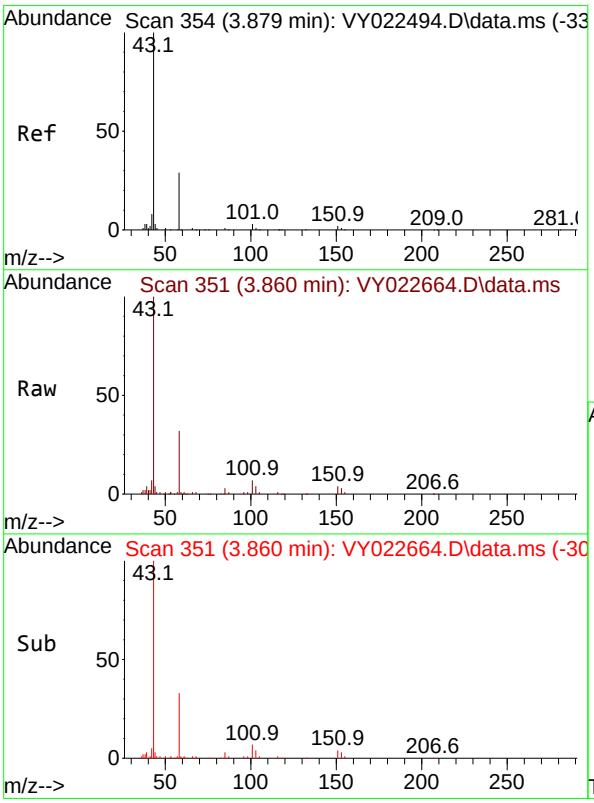
#15
Acrylonitrile
Concen: 219.381 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 95190

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	37.0	30.1	45.1

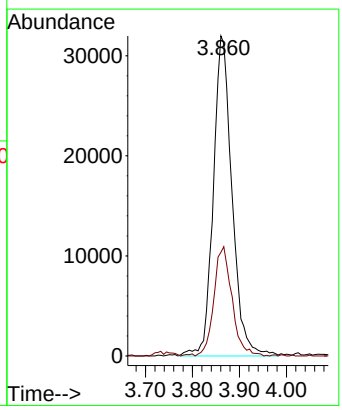


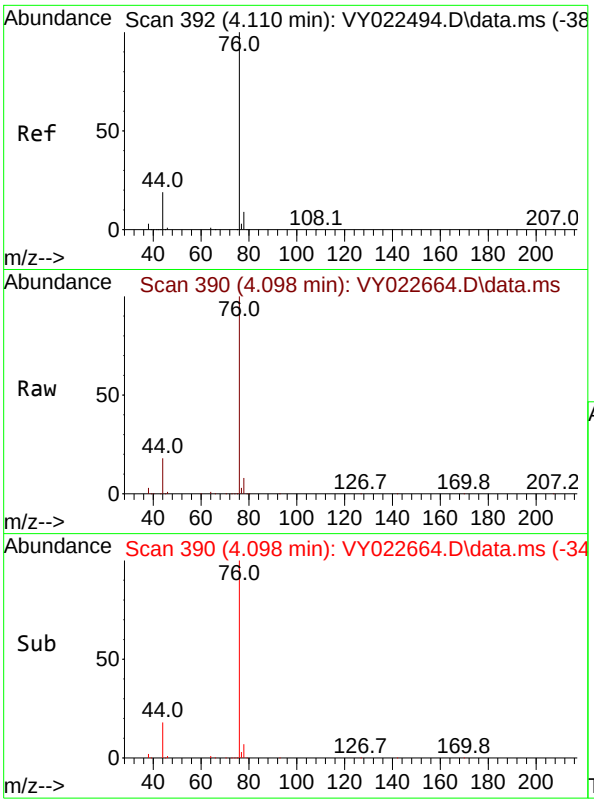


#16
Acetone
Concen: 223.295 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 88582

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.0	36.0



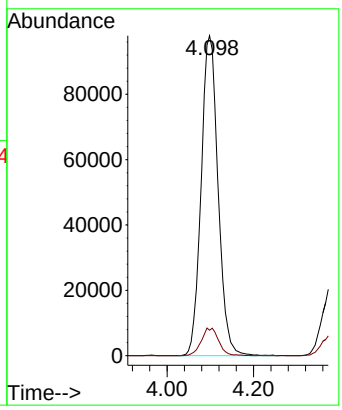


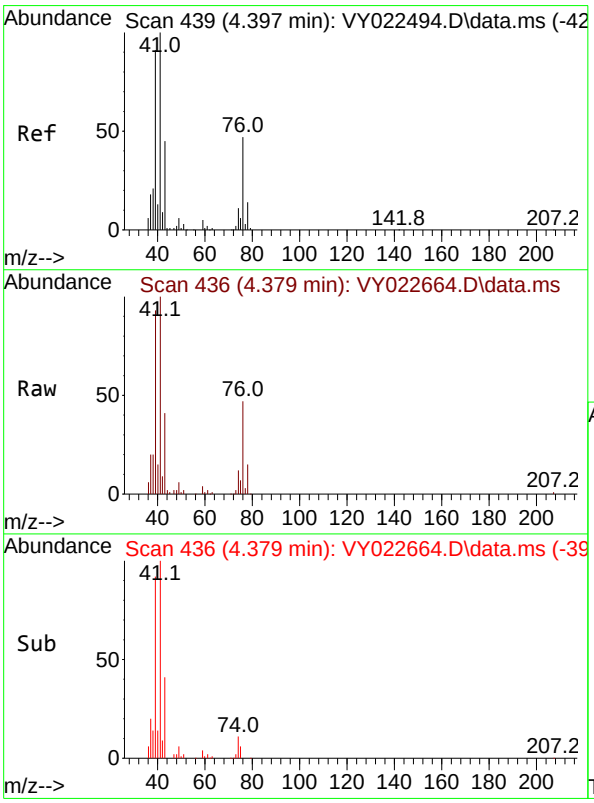
#17
Carbon Disulfide
Concen: 45.254 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 265351

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.4	11.2

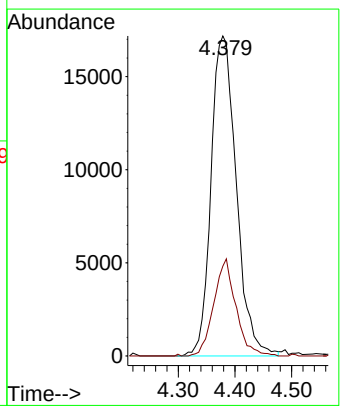


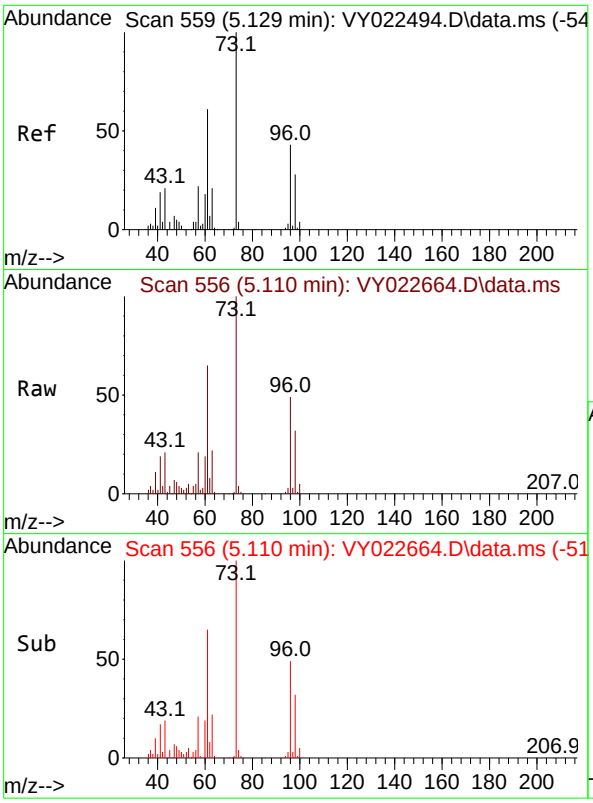


#18
Methyl Acetate
Concen: 45.242 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 53148

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.8	29.6



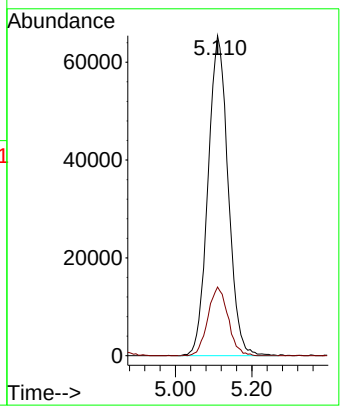


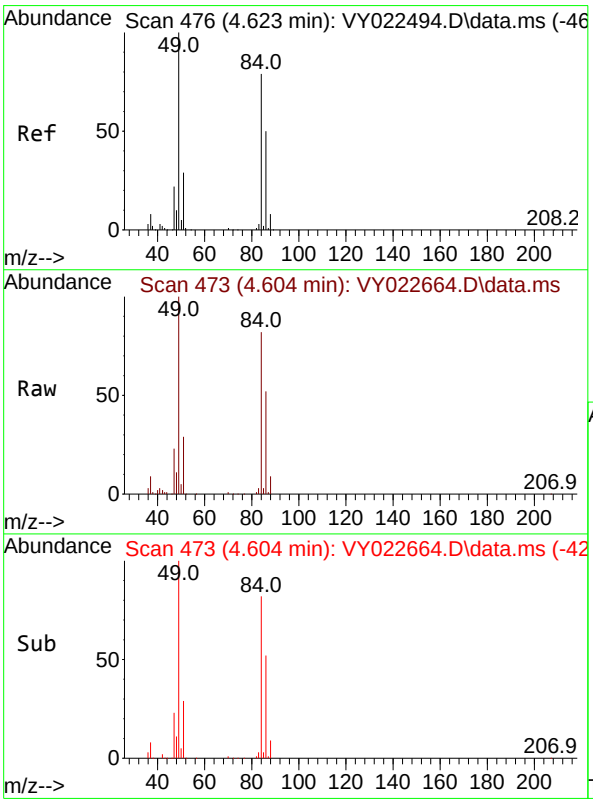
#19
Methyl tert-butyl Ether
Concen: 46.344 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 239071

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0

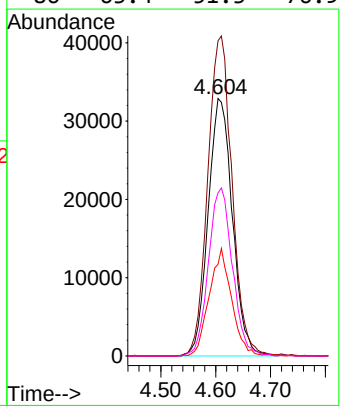


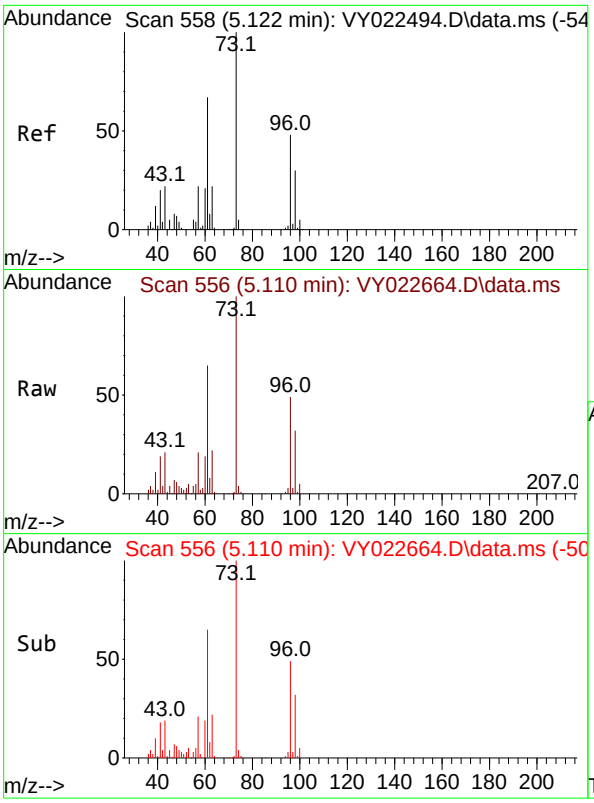


#20
Methylene Chloride
Concen: 44.947 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 84 Resp: 101284

Ion	Ratio	Lower	Upper
84	100		
49	122.4	101.9	152.9
51	35.4	29.8	44.8
86	63.4	51.3	76.9



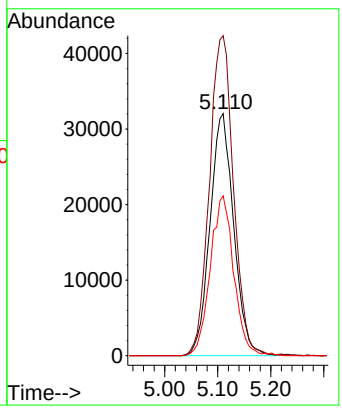


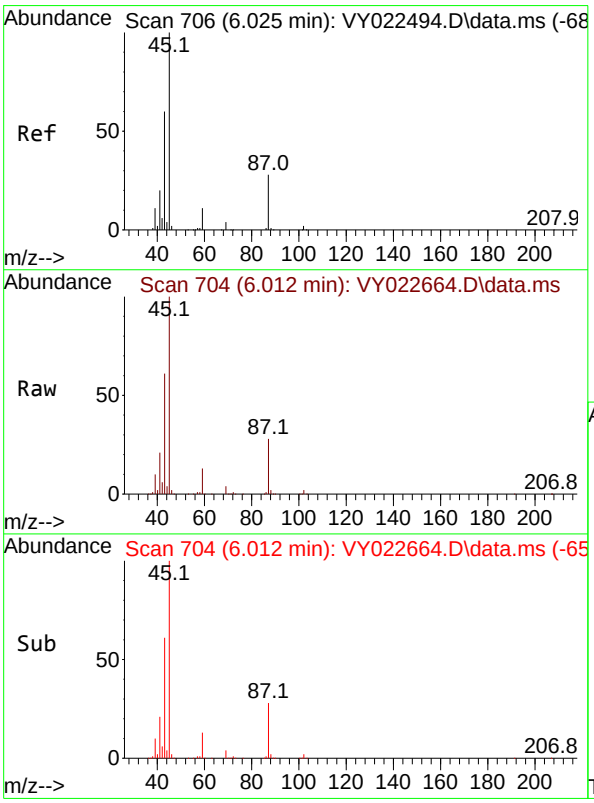
#21
trans-1,2-Dichloroethene
Concen: 48.528 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 99475

Ion	Ratio	Lower	Upper
96	100		
61	132.2	112.6	169.0
98	66.0	50.6	75.8

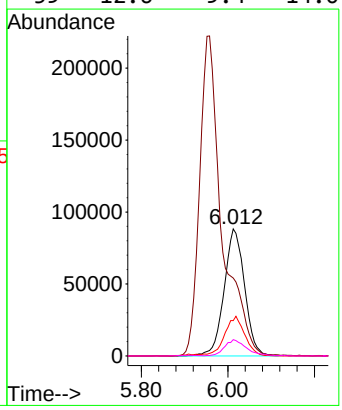


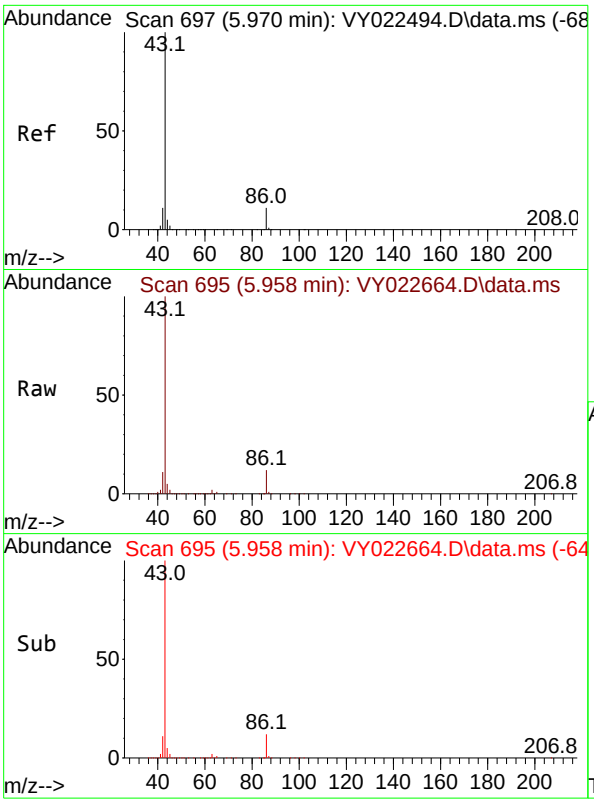


#22
Diisopropyl ether
Concen: 45.396 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 45 Resp: 290531

Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.3	72.5
87	27.8	23.0	34.6
59	12.6	9.4	14.0



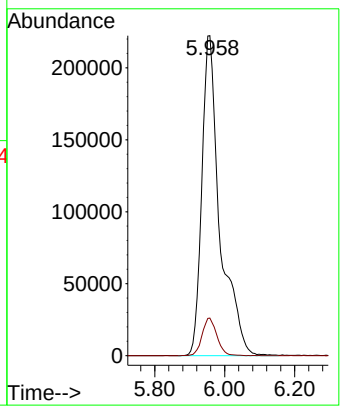


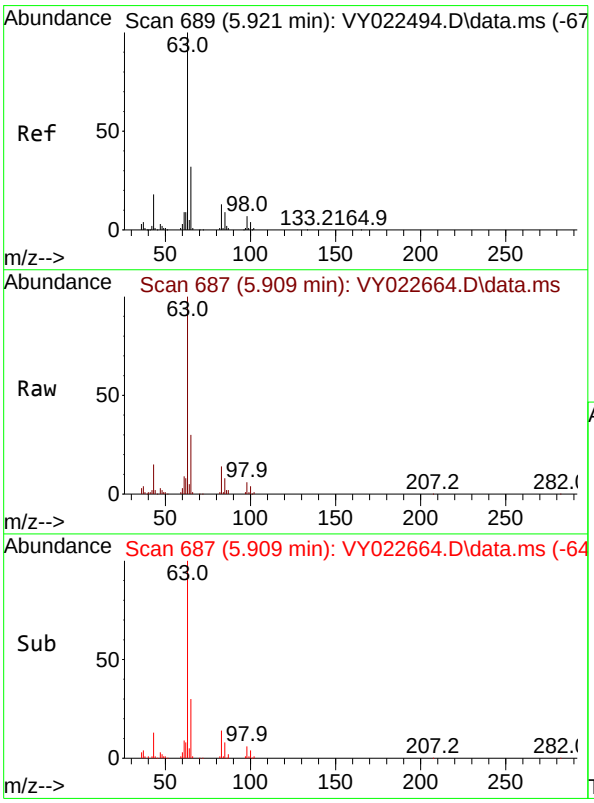
#23
Vinyl Acetate
Concen: 210.554 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 797575

Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.6	12.8

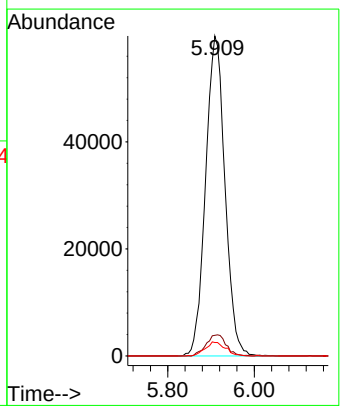


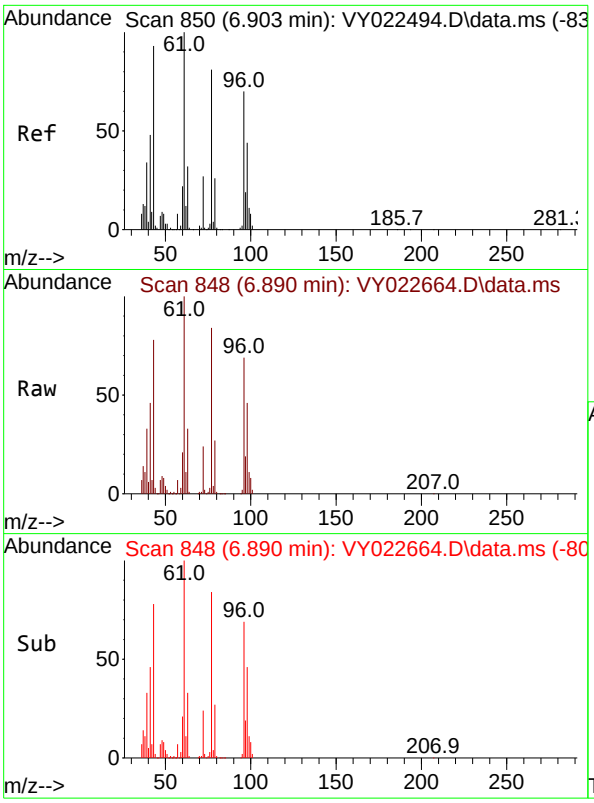


#24
1,1-Dichloroethane
Concen: 49.271 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 63 Resp: 185766

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.2	2.1	6.3



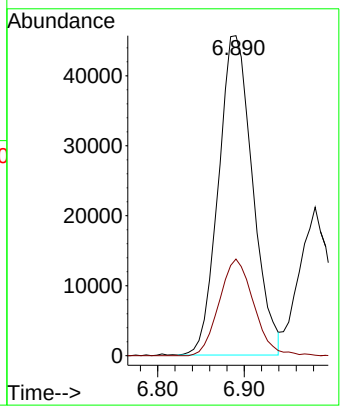


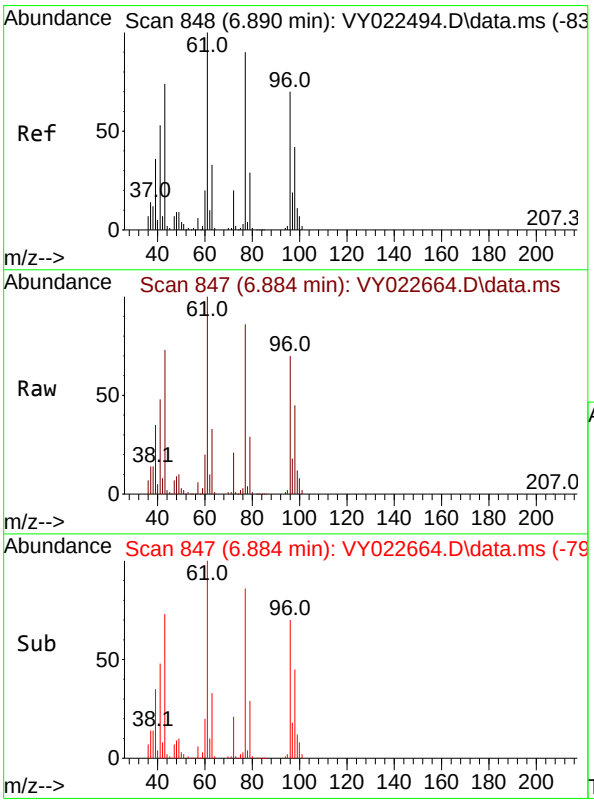
#25
2-Butanone
Concen: 218.612 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 125095

Ion	Ratio	Lower	Upper
43	100		
72	30.3	22.9	34.3

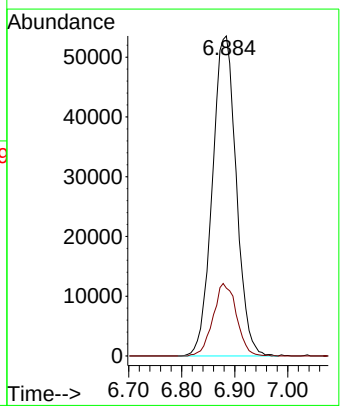


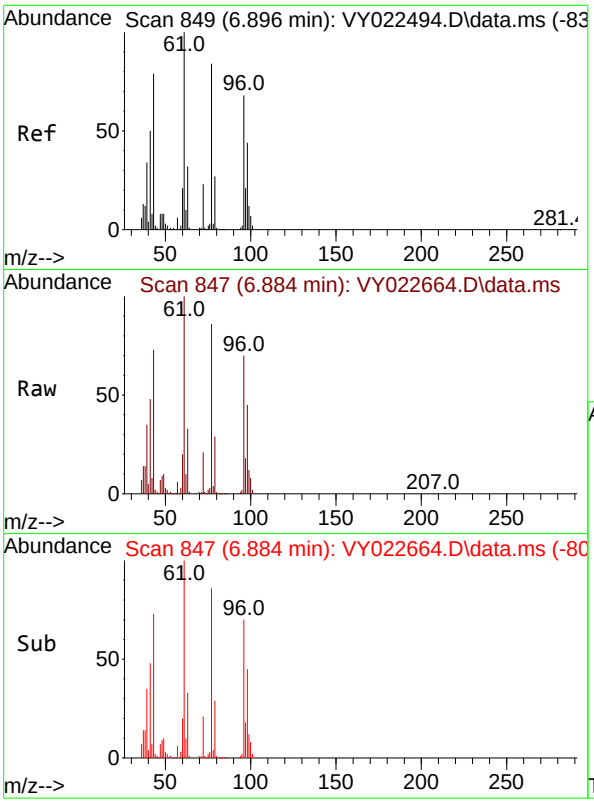


#26
2,2-Dichloropropane
Concen: 50.298 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 77 Resp: 167558

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2



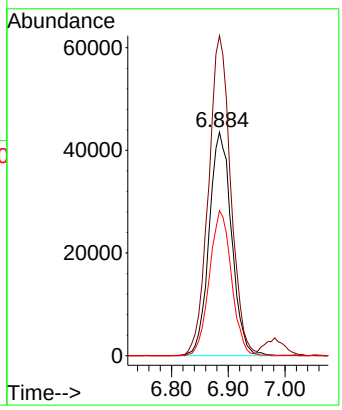


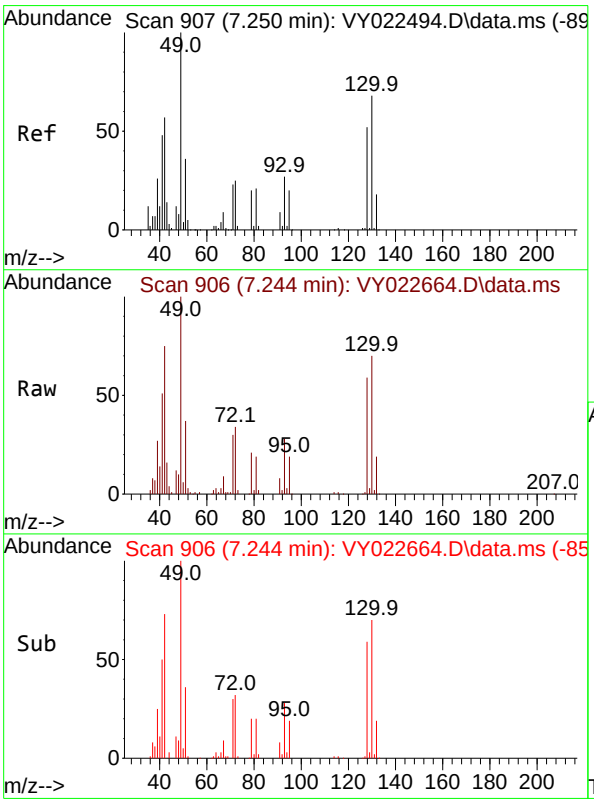
#27
cis-1,2-Dichloroethene
Concen: 50.429 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 119480

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	290.0
98	63.8	0.0	128.4

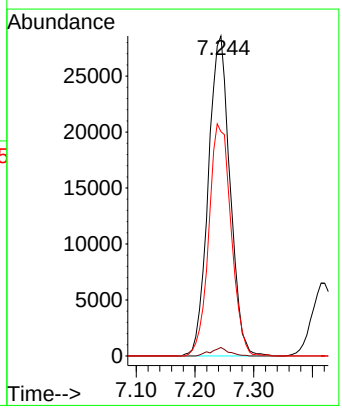


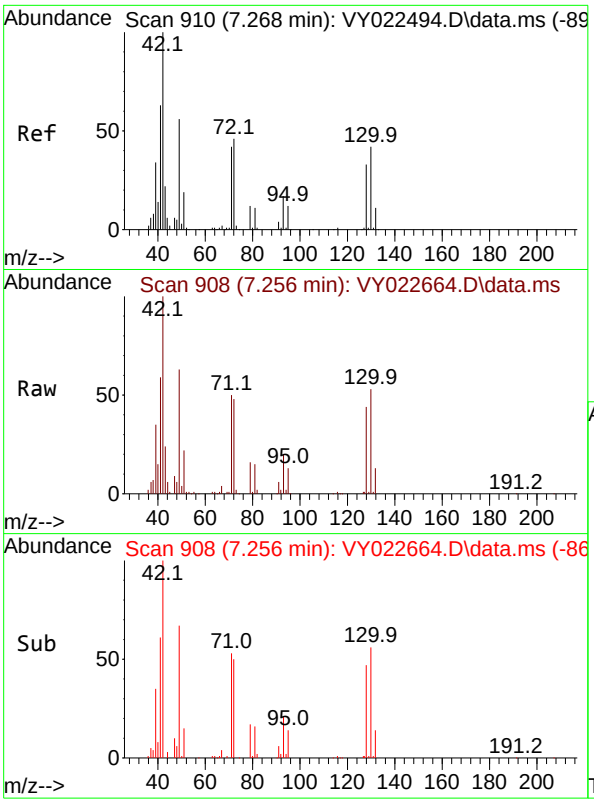


#28
Bromochloromethane
Concen: 44.621 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 49 Resp: 73335

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	74.4	55.7	83.5



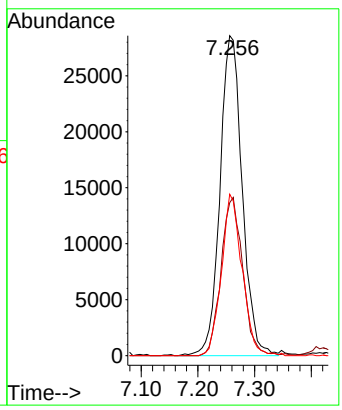


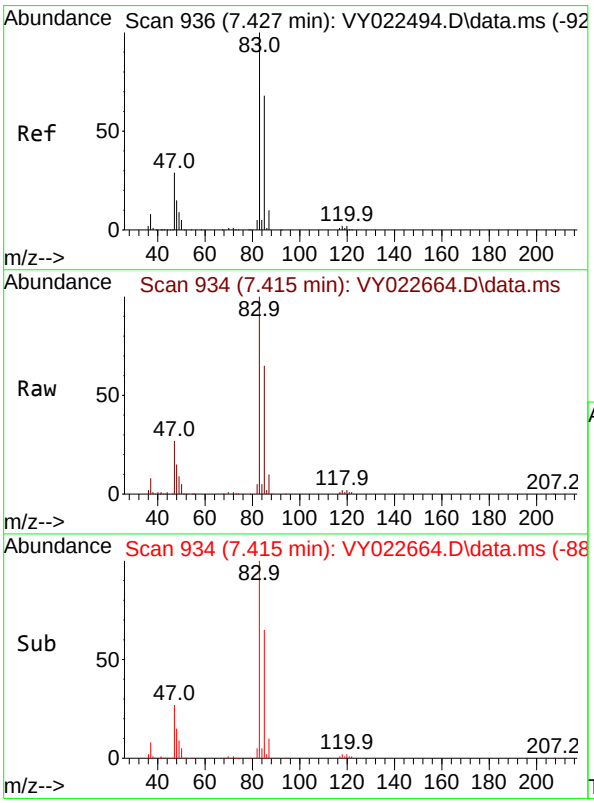
#29
Tetrahydrofuran
Concen: 210.910 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 77840

Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.4	56.2
71	47.0	34.2	51.2

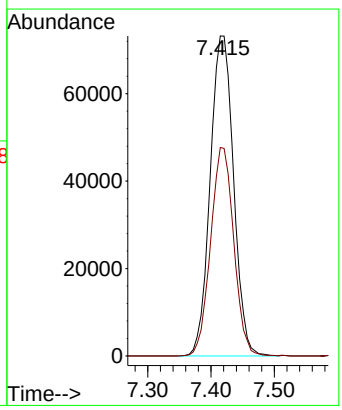


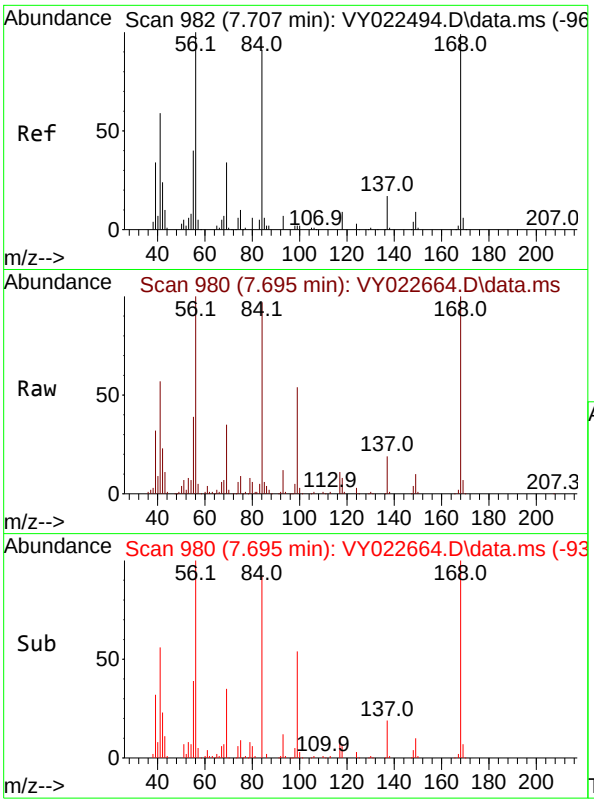


#30
Chloroform
Concen: 50.234 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 83 Resp: 187597

Ion	Ratio	Lower	Upper
83	100		
85	65.2	54.2	81.4



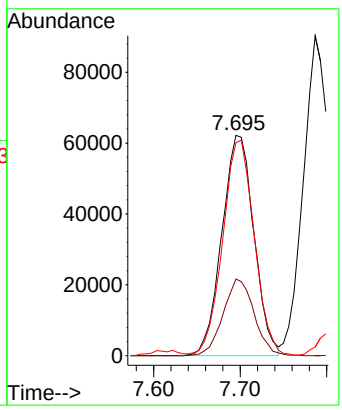


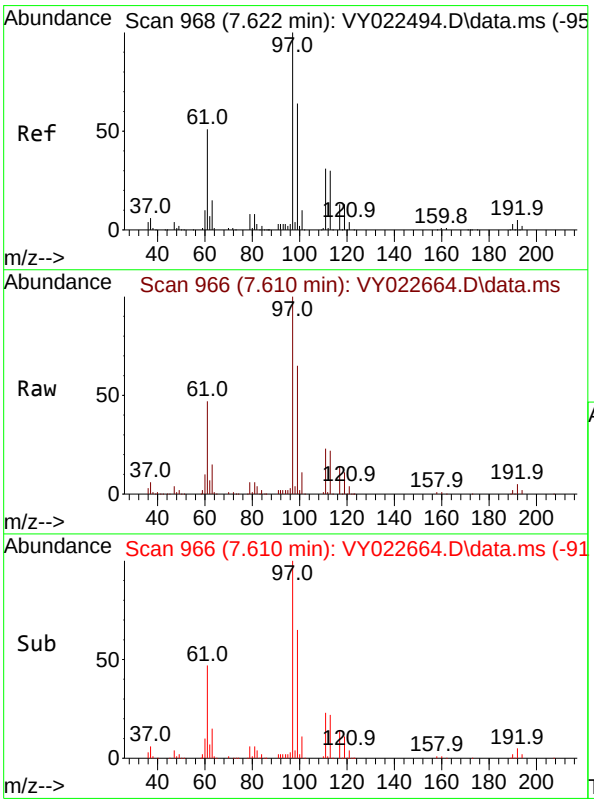
#31
Cyclohexane
Concen: 42.579 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 159823

Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.0	40.6
84	95.2	72.6	109.0

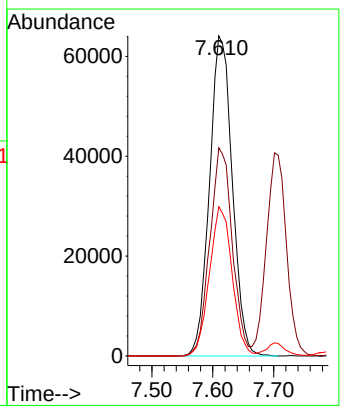


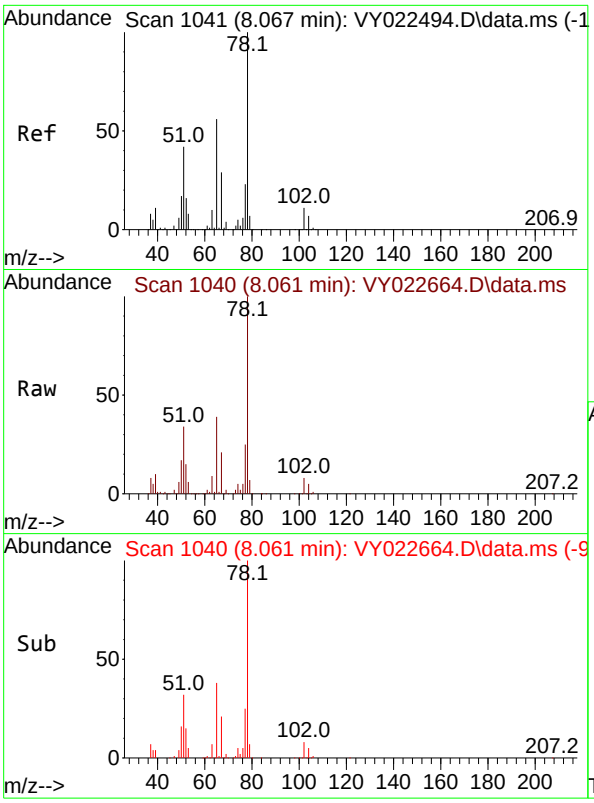


#32
1,1,1-Trichloroethane
Concen: 50.229 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 97 Resp: 166517

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	46.4	38.5	57.7



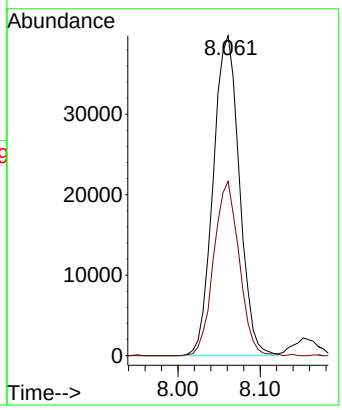


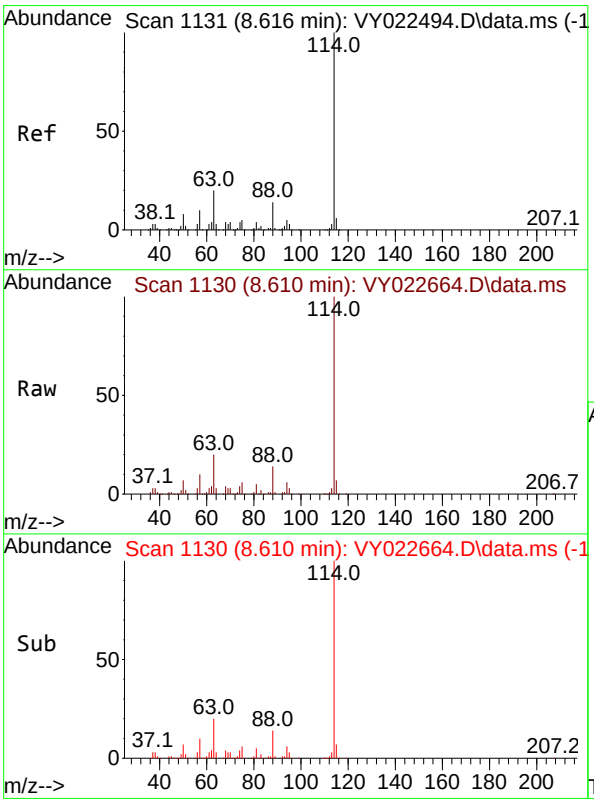
#33
1,2-Dichloroethane-d4
Concen: 45.131 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 88159

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4

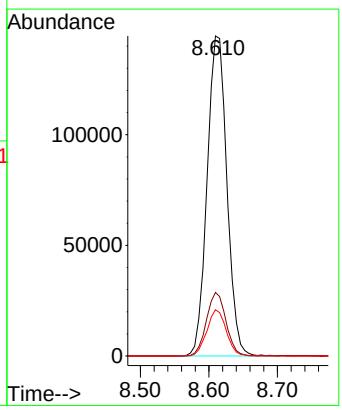


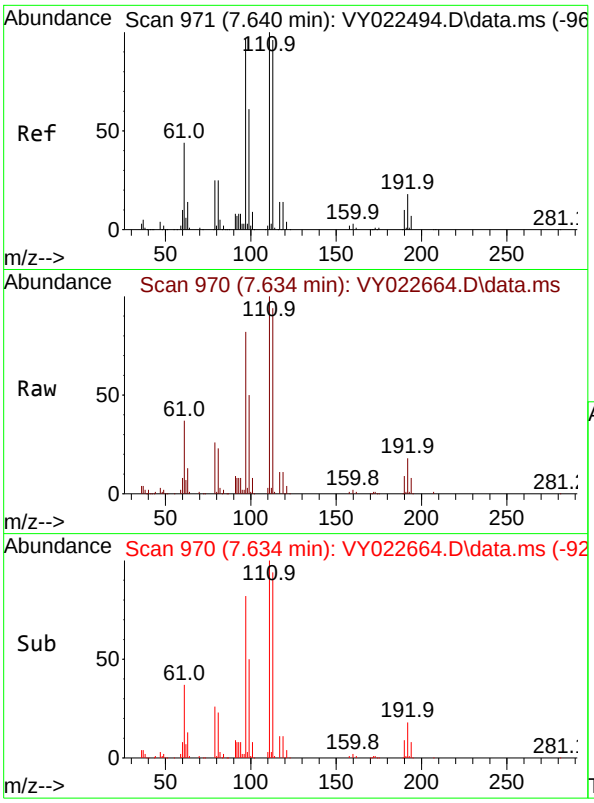


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:114 Resp: 290386

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	14.4	0.0	27.8



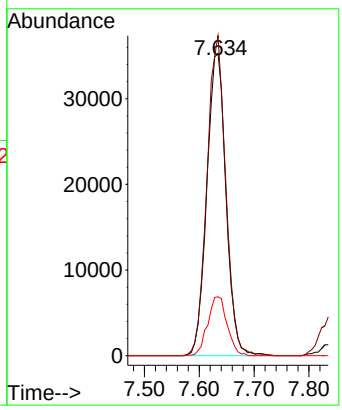


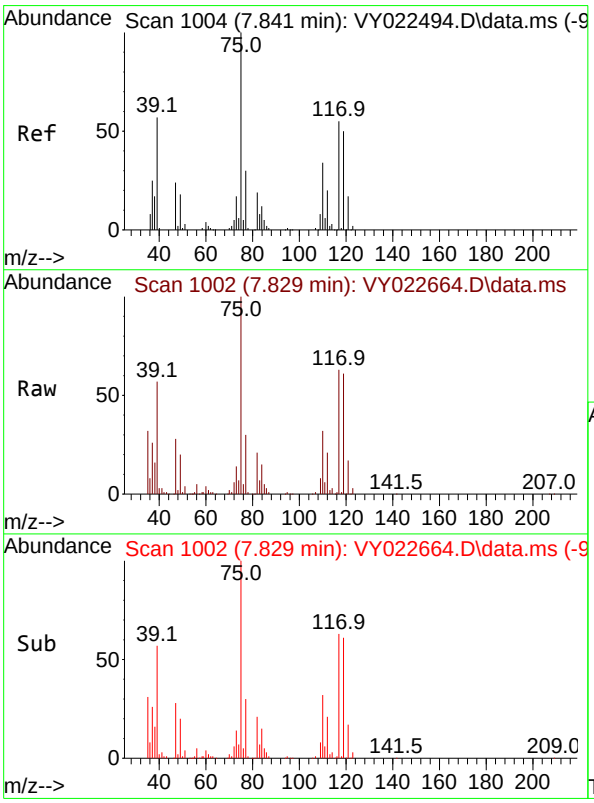
#35
Dibromofluoromethane
Concen: 49.517 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 85825

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	19.7	14.2	21.2

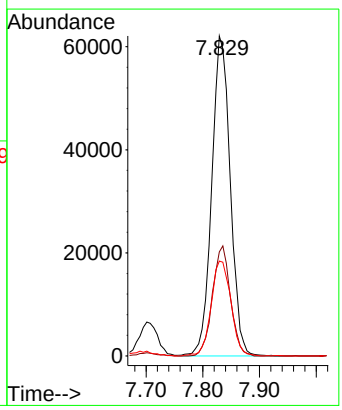


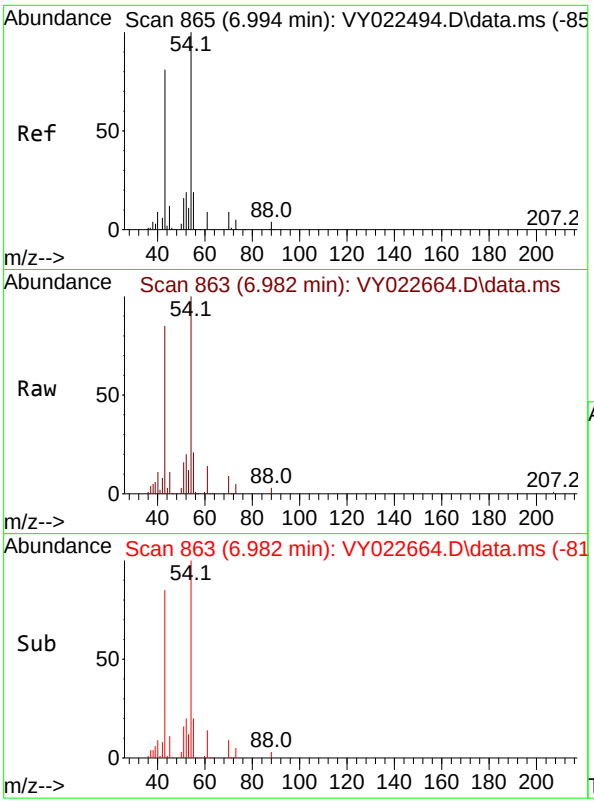


#36
1,1-Dichloropropene
Concen: 50.076 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 140868

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.7	24.8	37.2



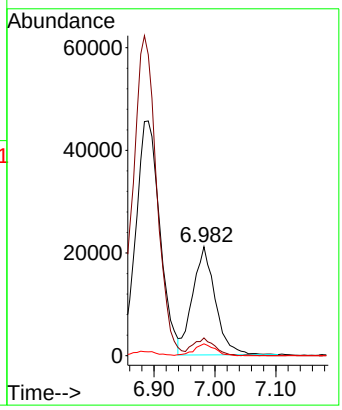


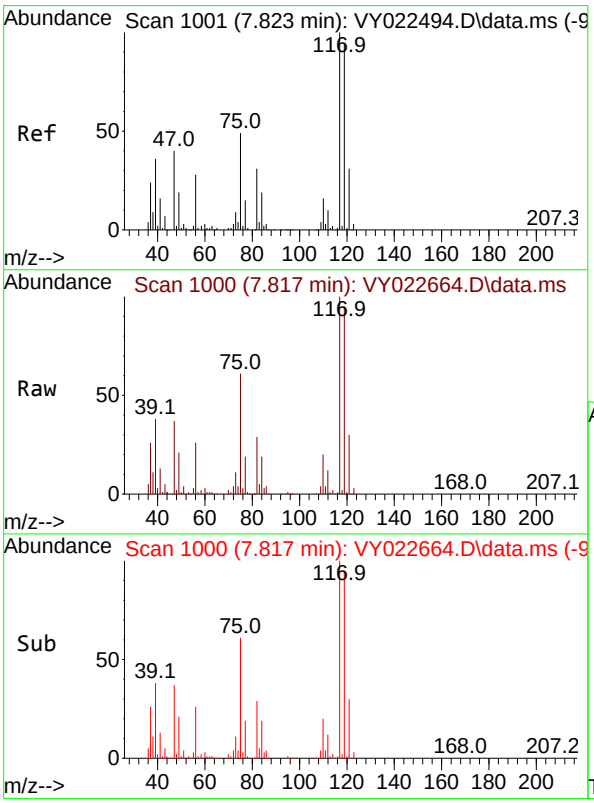
#37
Ethyl Acetate
Concen: 43.311 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 54334

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	10.0	7.2	10.8

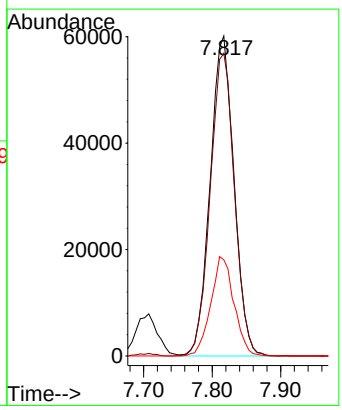


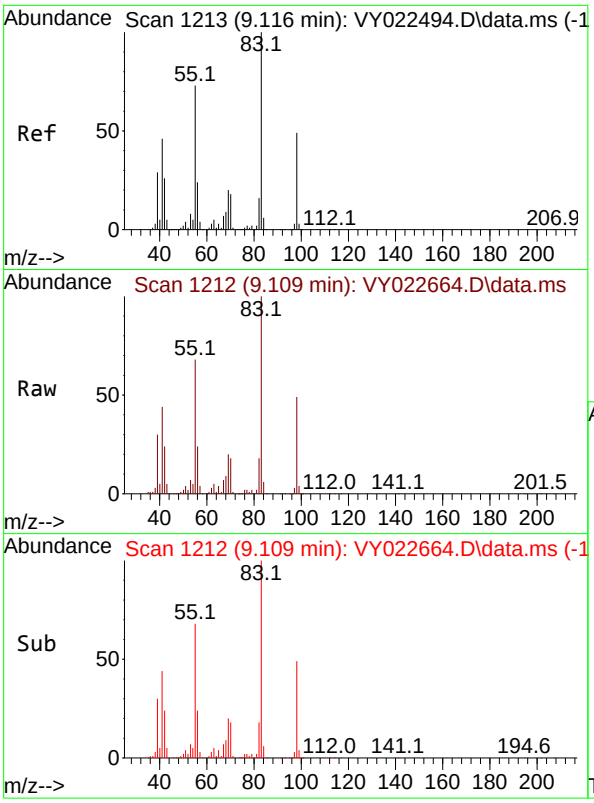


#38
Carbon Tetrachloride
Concen: 50.408 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:117 Resp: 145468

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.0	112.6
121	30.0	25.0	37.4



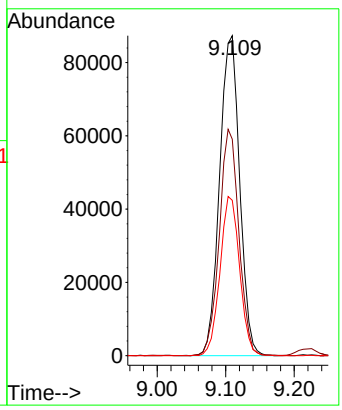


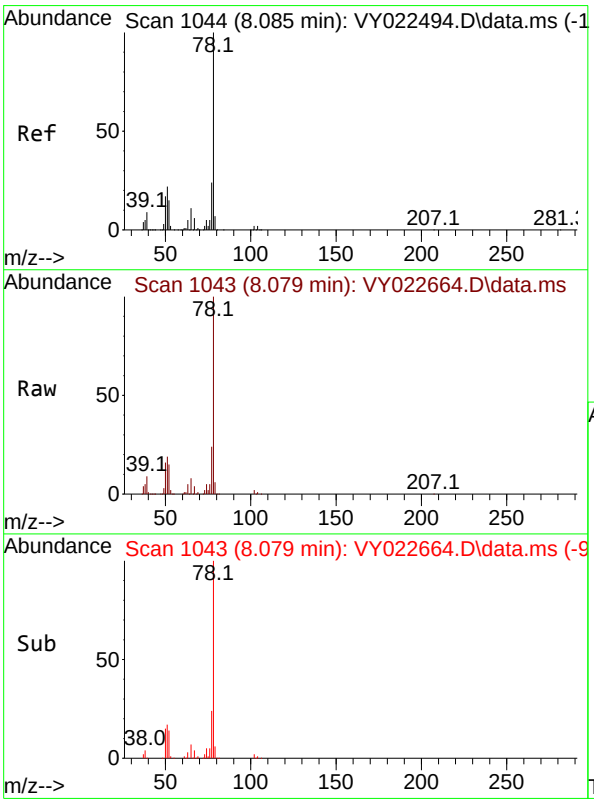
#39
Methylcyclohexane
Concen: 46.938 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 177444

Ion	Ratio	Lower	Upper
83	100		
55	67.6	58.1	87.1
98	48.5	39.0	58.6

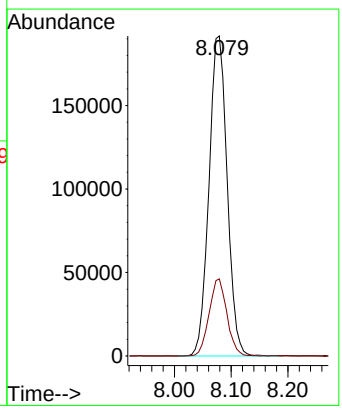


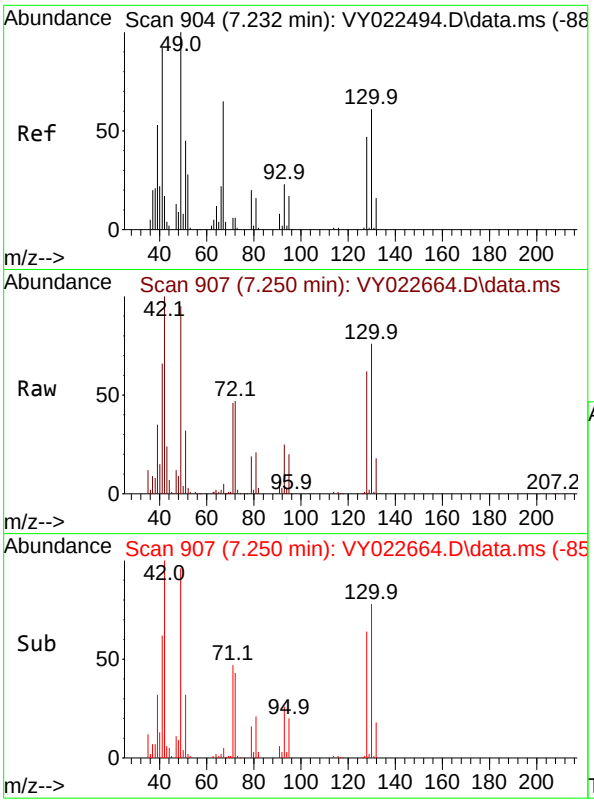


#40
Benzene
Concen: 51.354 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 78 Resp: 426686

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



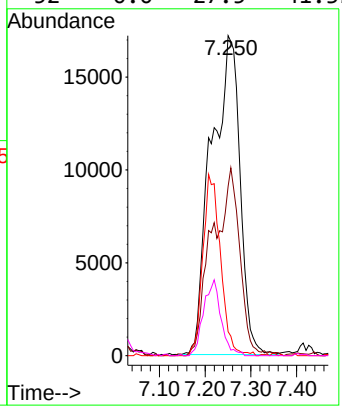


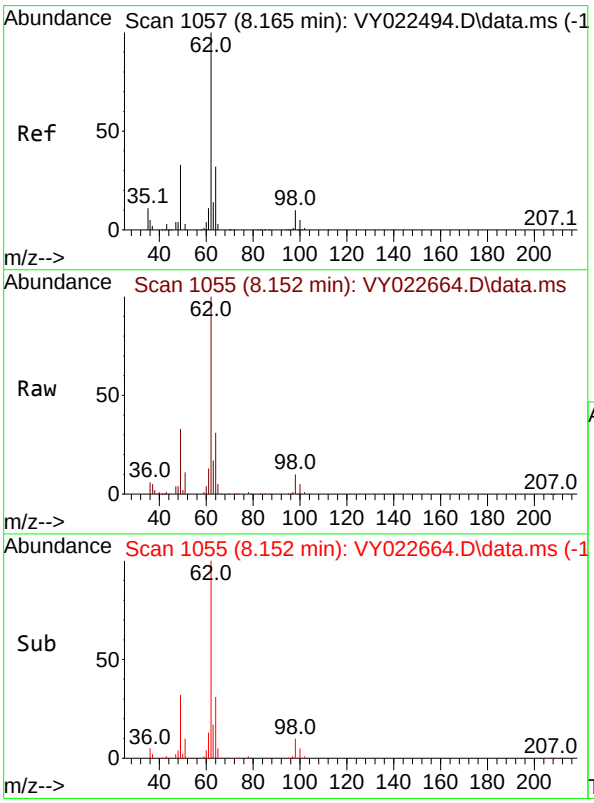
#41
Methacrylonitrile
Concen: 101.816 ug/l
RT: 7.250 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 74607

Ion	Ratio	Lower	Upper
41	100		
39	28.7	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#

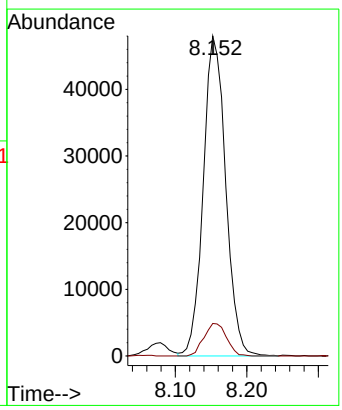


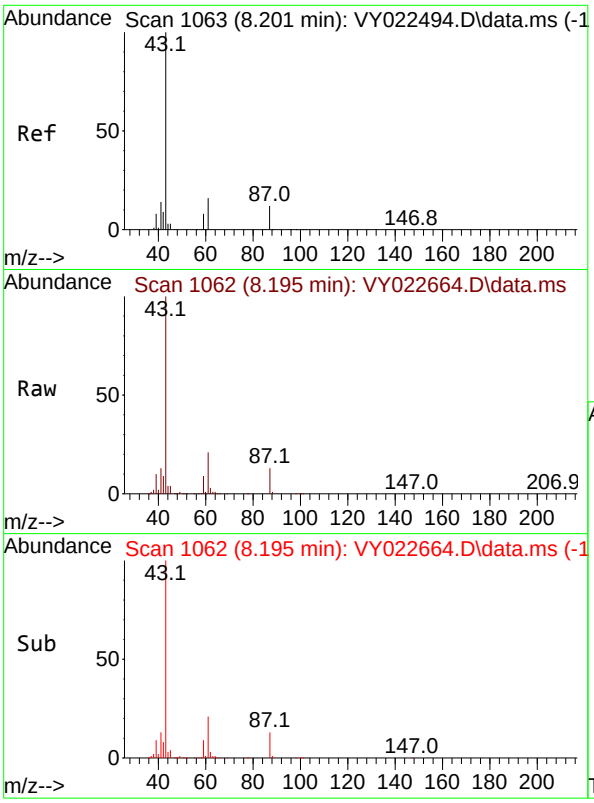


#42
1,2-Dichloroethane
Concen: 46.095 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 62 Resp: 104573

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.2



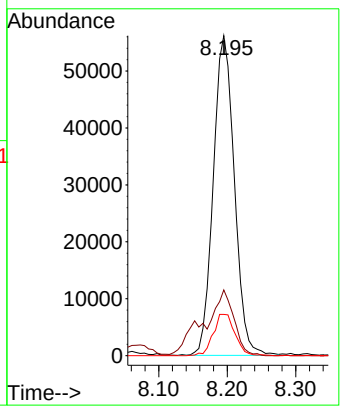


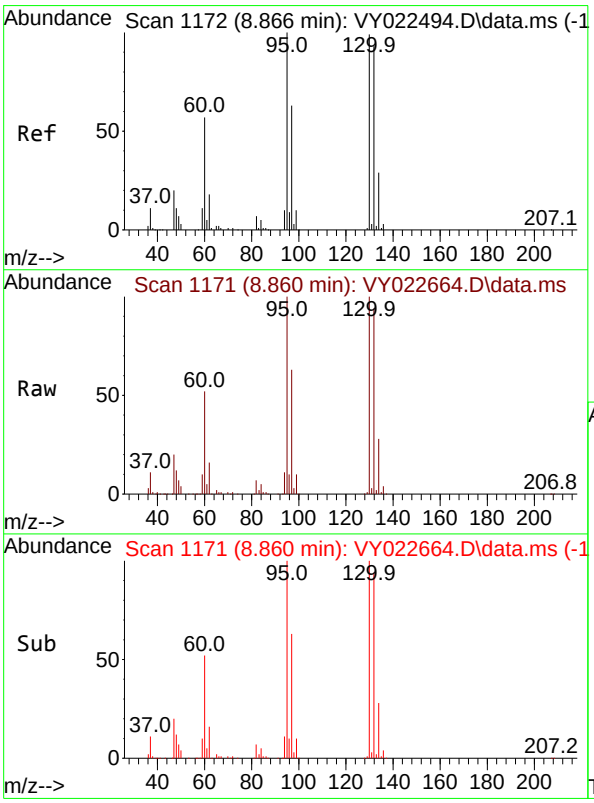
#43
Isopropyl Acetate
Concen: 44.305 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 120039

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.4	10.2	15.4

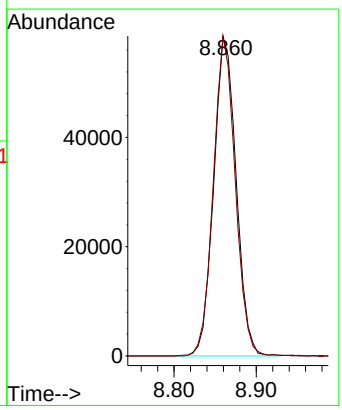


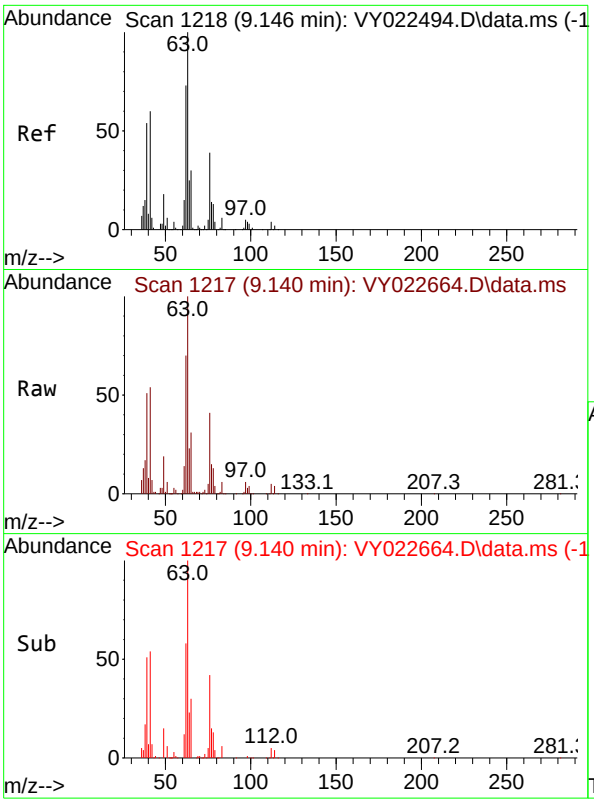


#44
Trichloroethene
Concen: 54.584 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:130 Resp: 110843

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.0



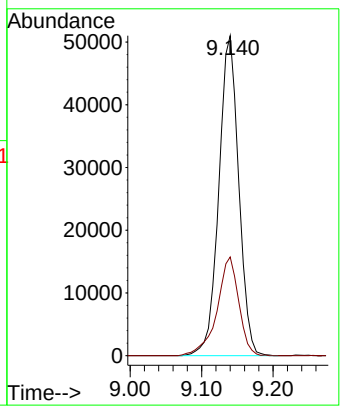


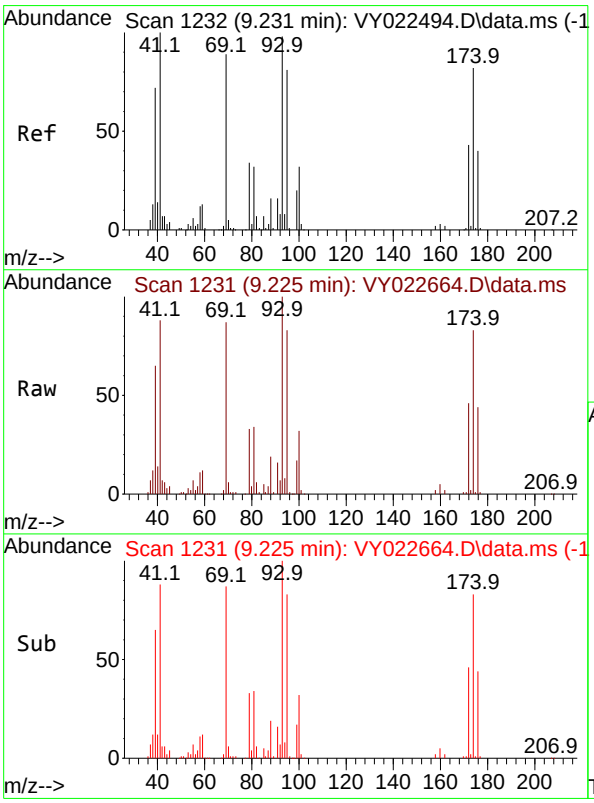
#45
1,2-Dichloropropane
Concen: 50.184 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 98541

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0

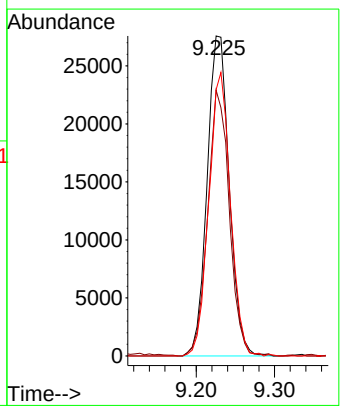


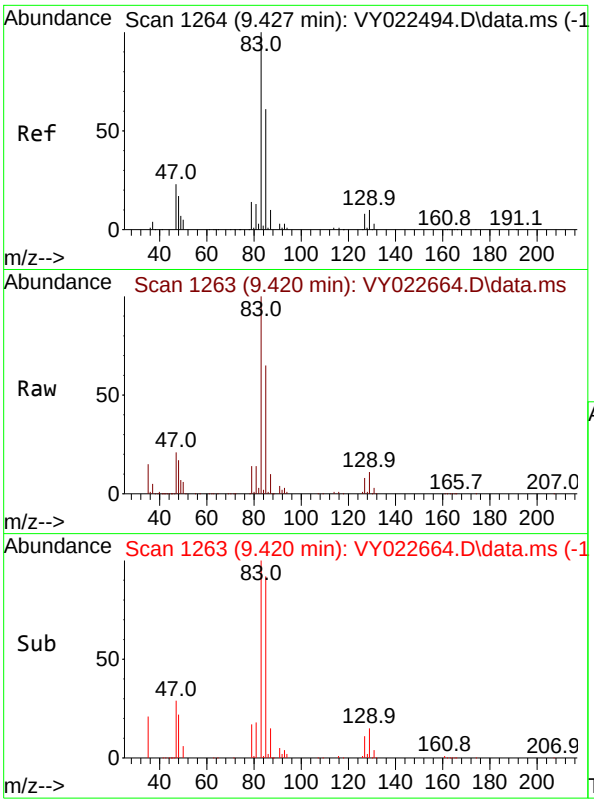


#46
Dibromomethane
Concen: 48.978 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 93 Resp: 54106

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.6	98.4
174	86.6	70.4	105.6



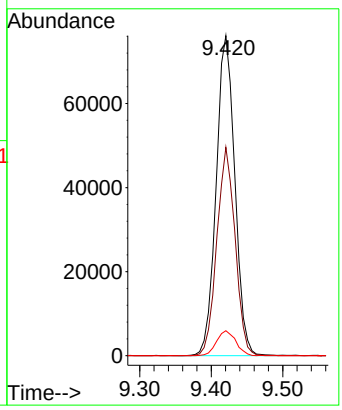


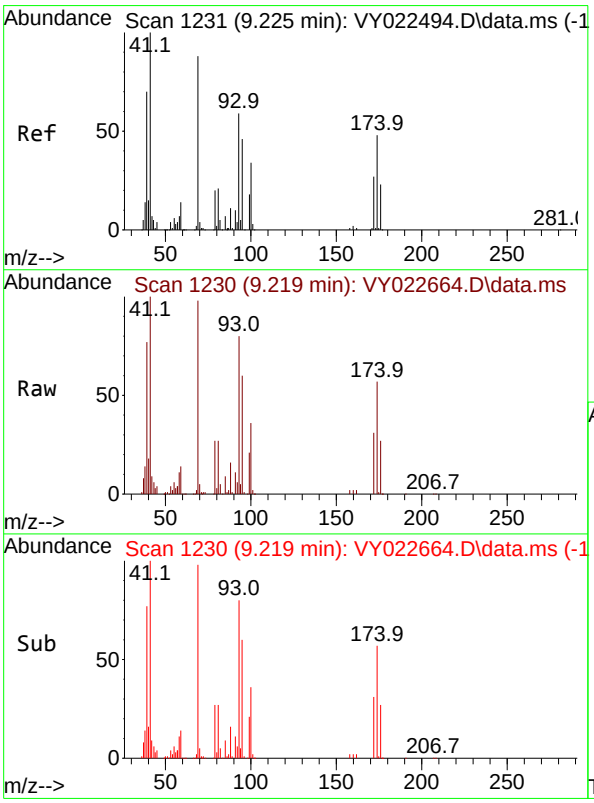
#47
Bromodichloromethane
Concen: 49.246 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 137944

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.1	73.7
127	7.8	6.2	9.4

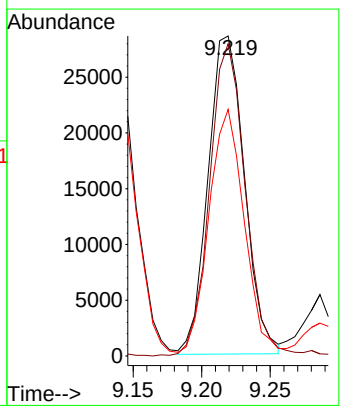


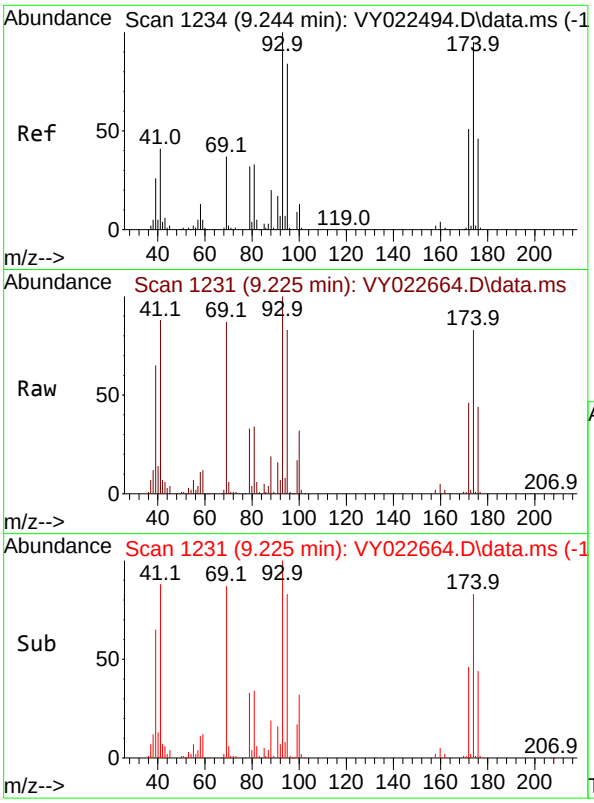


#48
Methyl methacrylate
Concen: 41.507 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 41 Resp: 52779

Ion	Ratio	Lower	Upper
41	100		
69	96.7	67.8	101.8
39	73.4	55.0	82.4



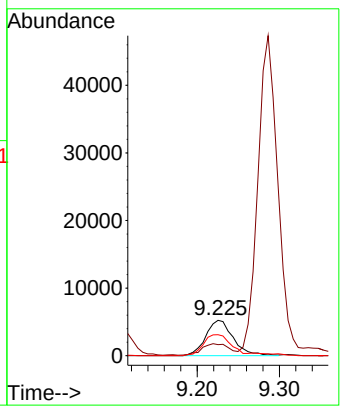


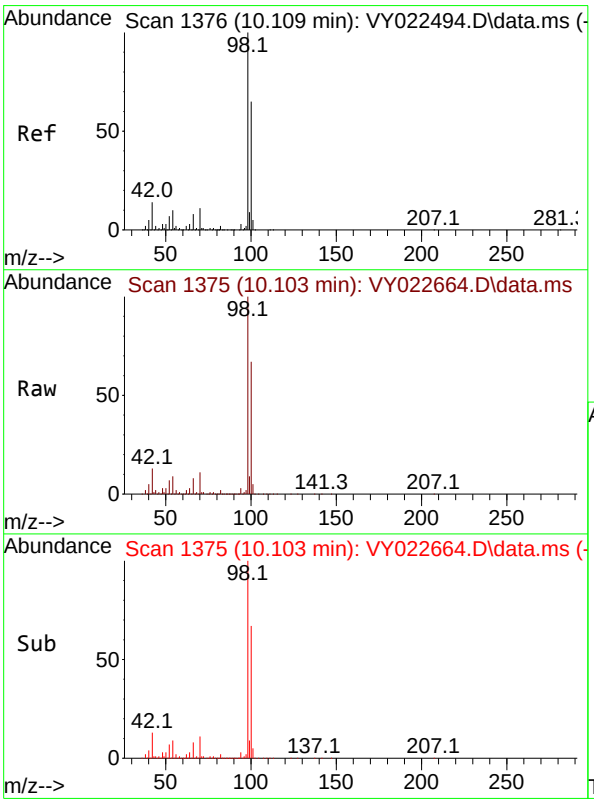
#49
1,4-Dioxane
Concen: 930.584 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 12179

Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.4	38.2
58	59.2	54.9	82.3

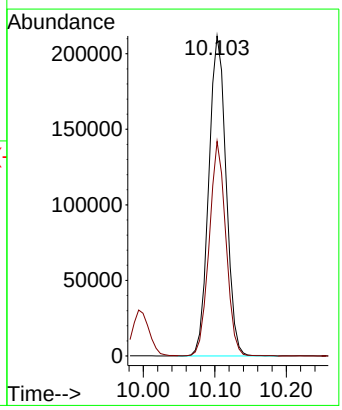


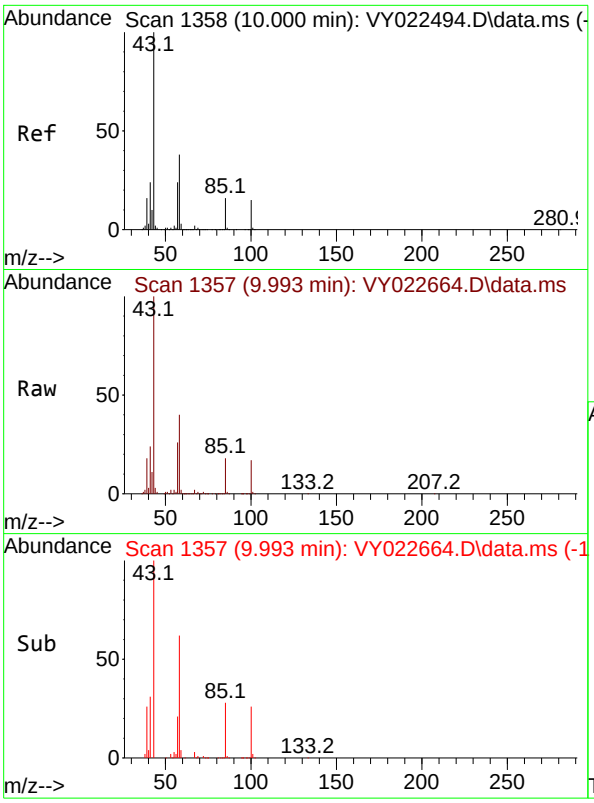


#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 98 Resp: 355393

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



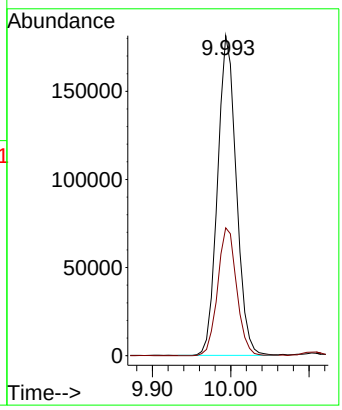


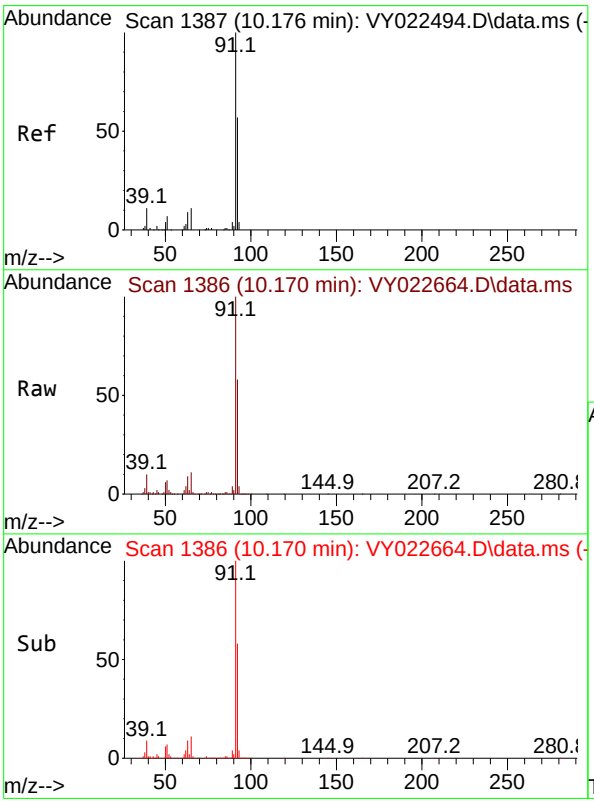
#51
4-Methyl-2-Pentanone
Concen: 223.486 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 301886

Ion	Ratio	Lower	Upper
43	100		
58	40.7	30.4	45.6

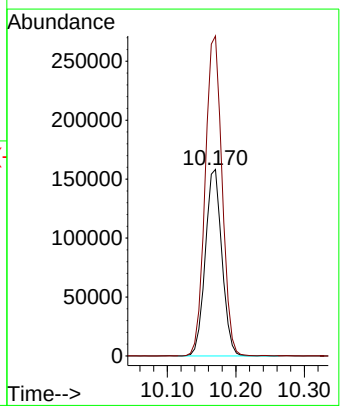


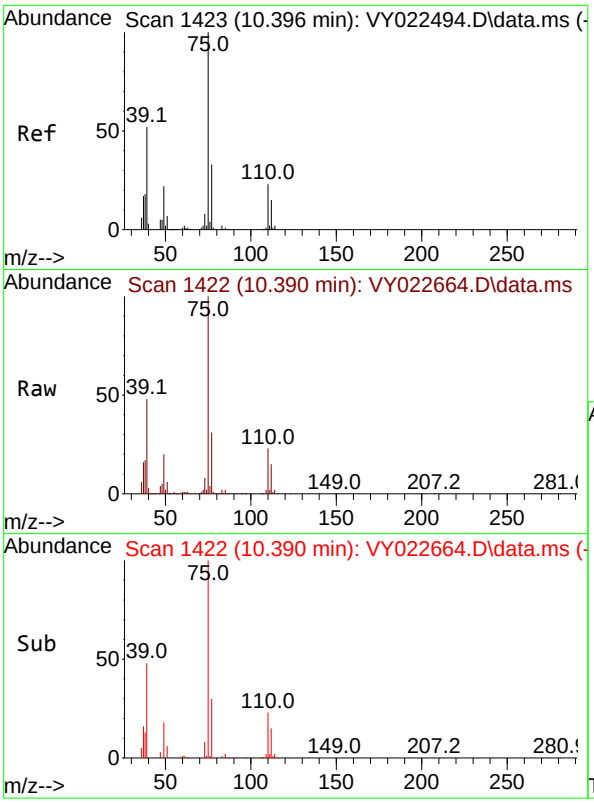


#52
Toluene
Concen: 51.024 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 92 Resp: 266417

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.0	208.4



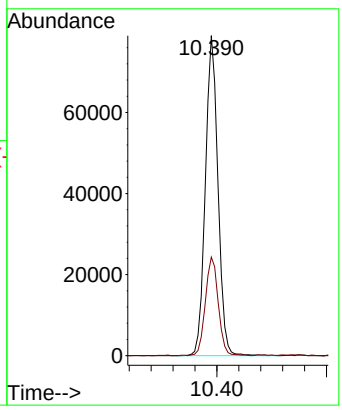


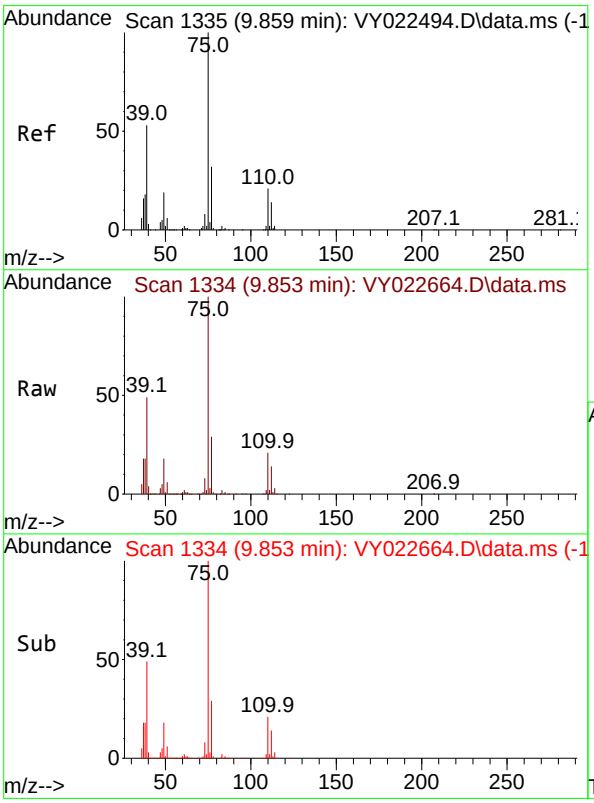
#53
t-1,3-Dichloropropene
Concen: 47.738 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 125291

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7

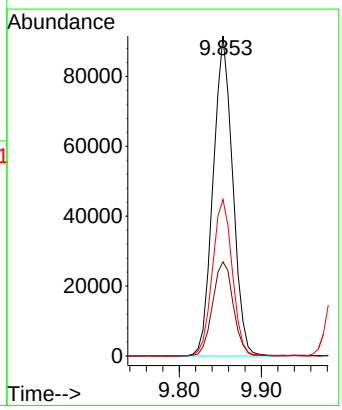


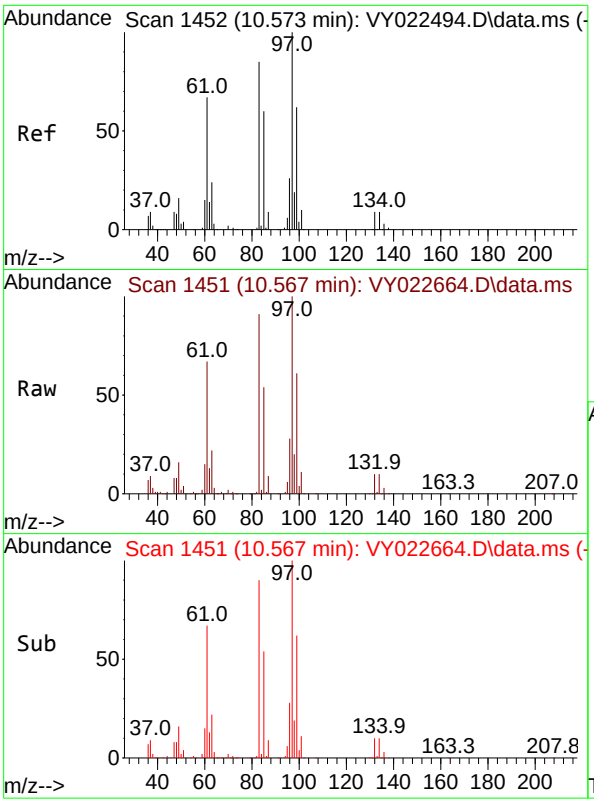


#54
cis-1,3-Dichloropropene
Concen: 49.616 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 151585

Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.3	37.9
39	48.8	42.7	64.1



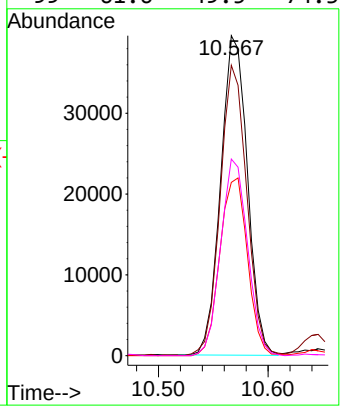


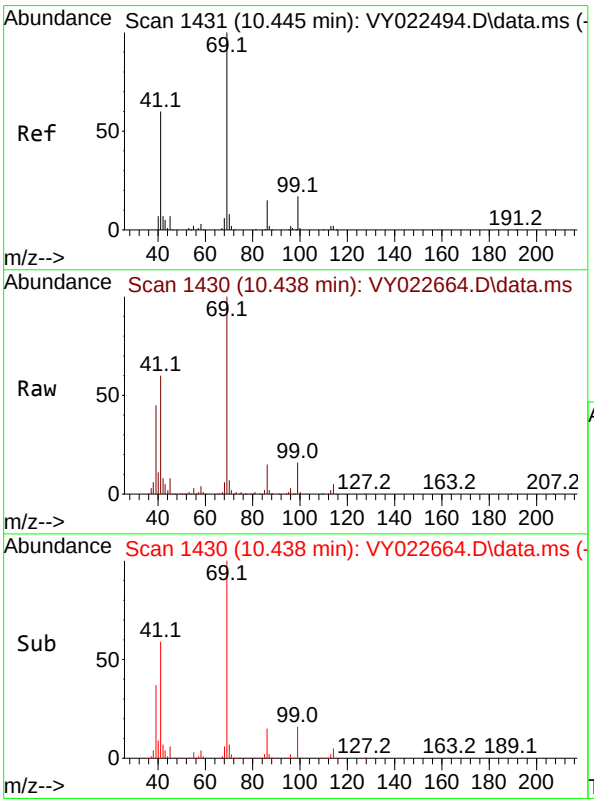
#55
1,1,2-Trichloroethane
Concen: 47.632 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 67097

Ion	Ratio	Lower	Upper
97	100		
83	90.8	68.1	102.1
85	54.3	48.2	72.2
99	61.6	49.5	74.3

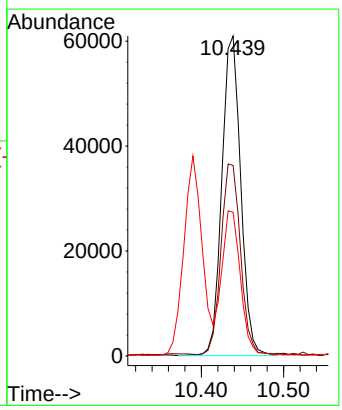


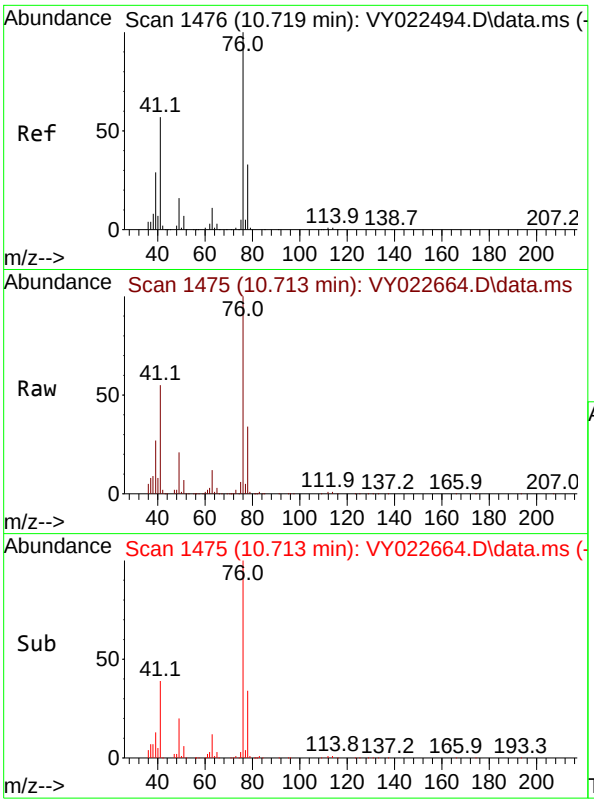


#56
Ethyl methacrylate
Concen: 47.764 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 69 Resp: 97246

Ion	Ratio	Lower	Upper
69	100		
41	61.5	52.2	78.2
39	44.8	36.7	55.1



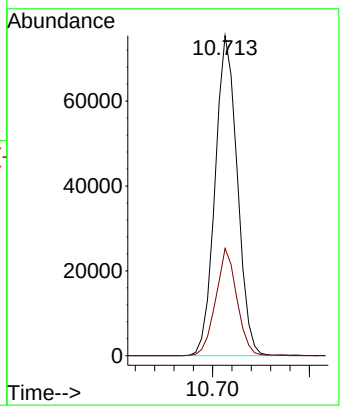


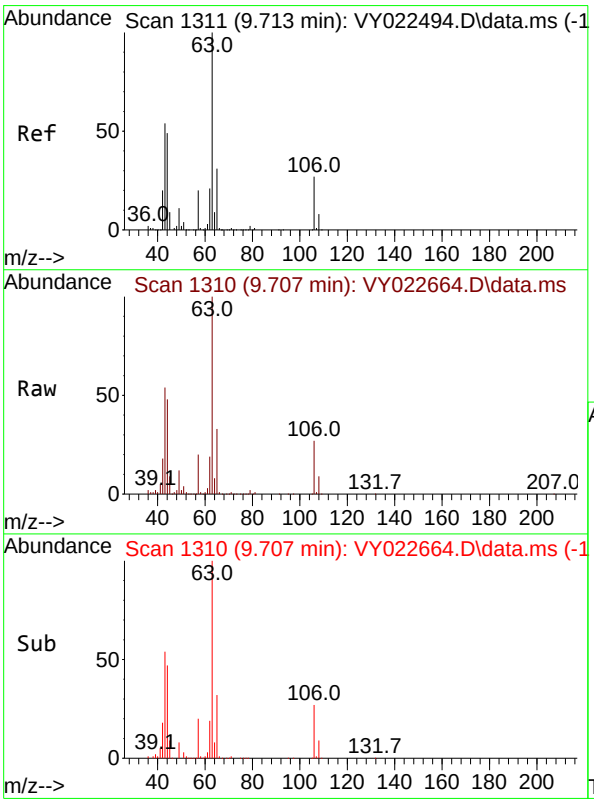
#57
1,3-Dichloropropane
Concen: 48.090 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 120065

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

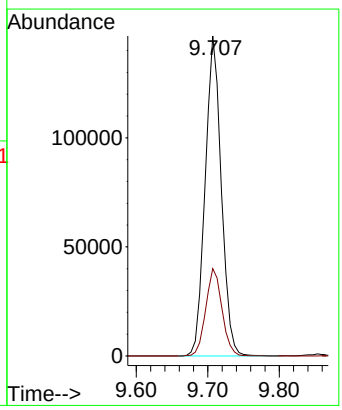


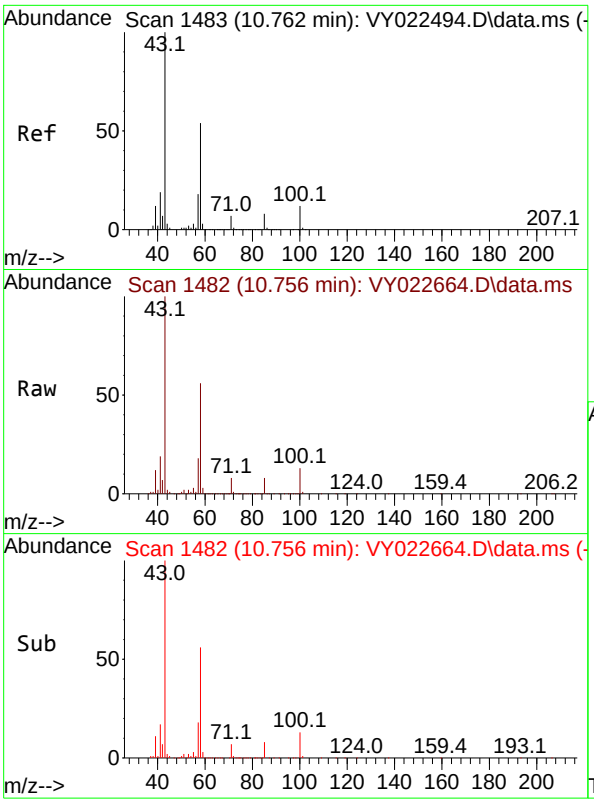


#58
2-Chloroethyl Vinyl ether
Concen: 248.382 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 63 Resp: 229595

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.6	32.4



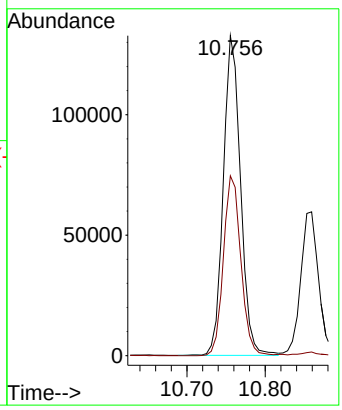


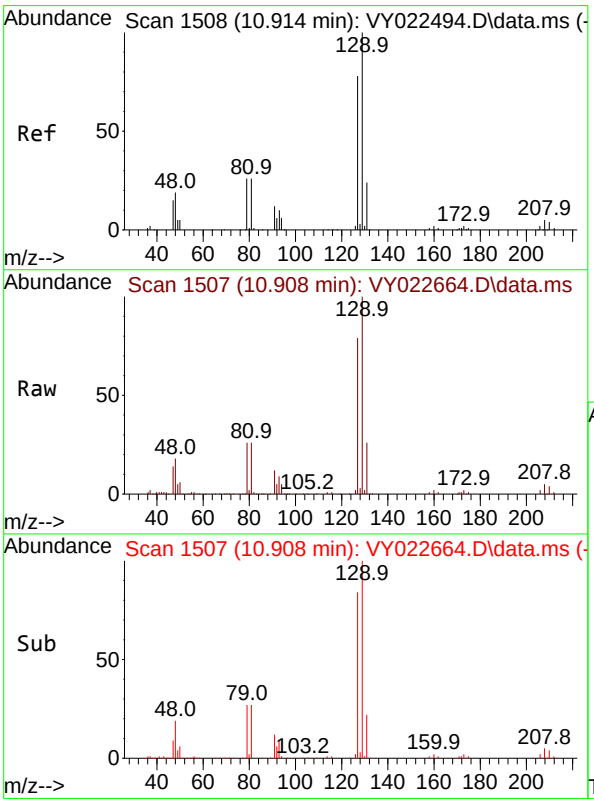
#59
2-Hexanone
Concen: 224.569 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 202877

Ion	Ratio	Lower	Upper
43	100		
58	57.3	27.3	81.8

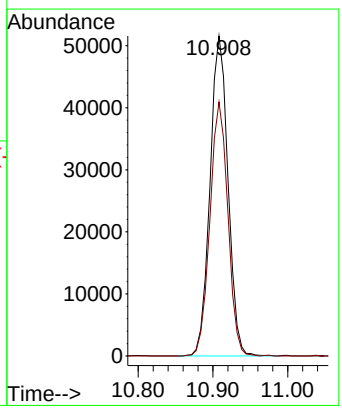


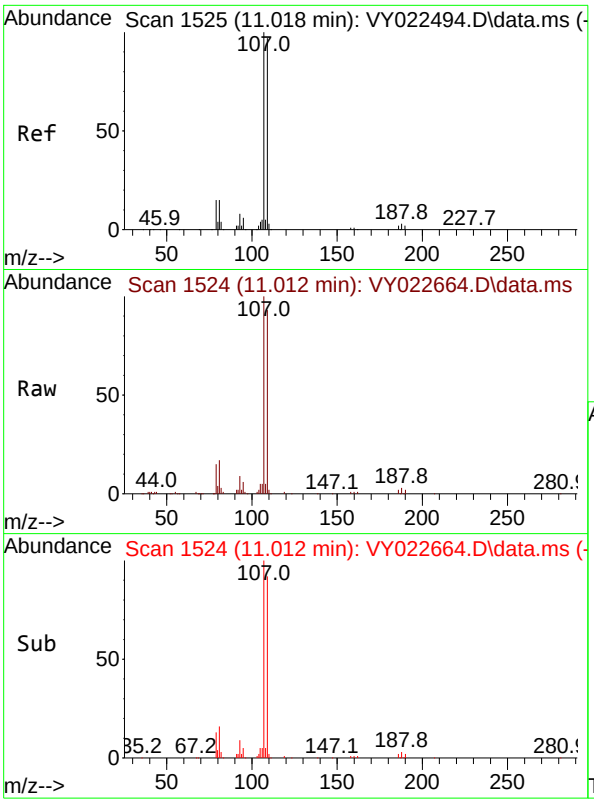


#60
Dibromochloromethane
Concen: 48.149 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:129 Resp: 86194

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.2



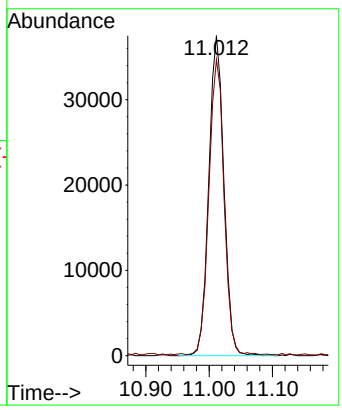


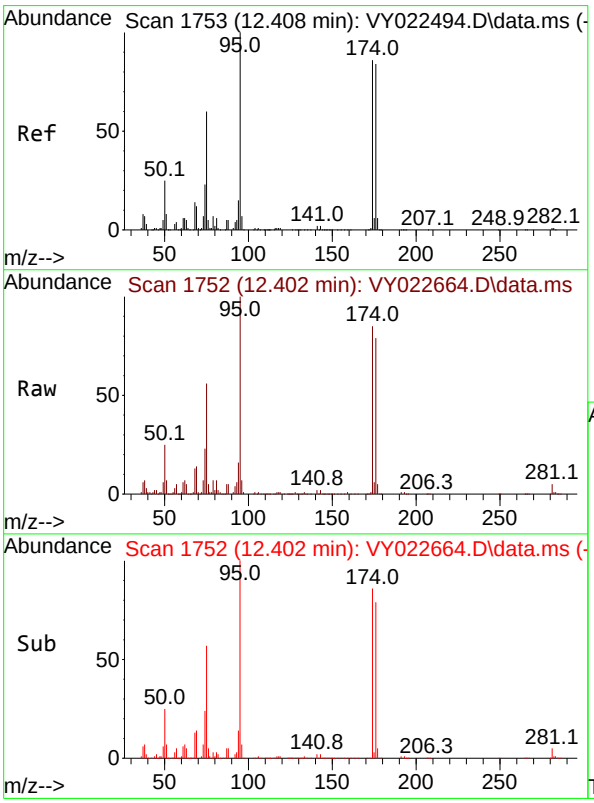
#61
1,2-Dibromoethane
Concen: 48.421 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 62168

Ion	Ratio	Lower	Upper
107	100		
109	92.2	77.7	116.5

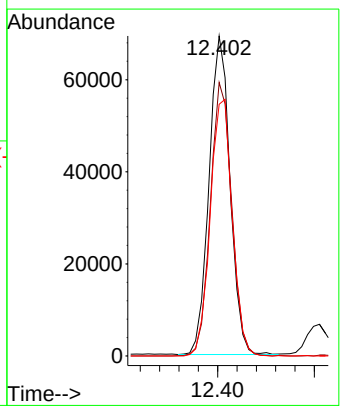


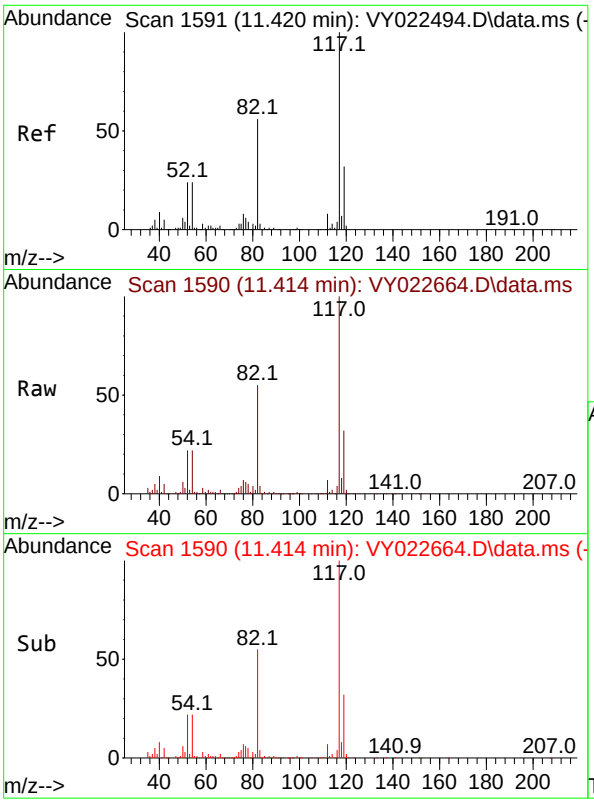


#62
4-Bromofluorobenzene
Concen: 50.044 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 95 Resp: 104426

Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	170.0
176	84.4	0.0	166.2



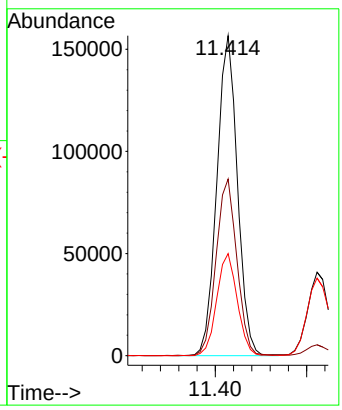


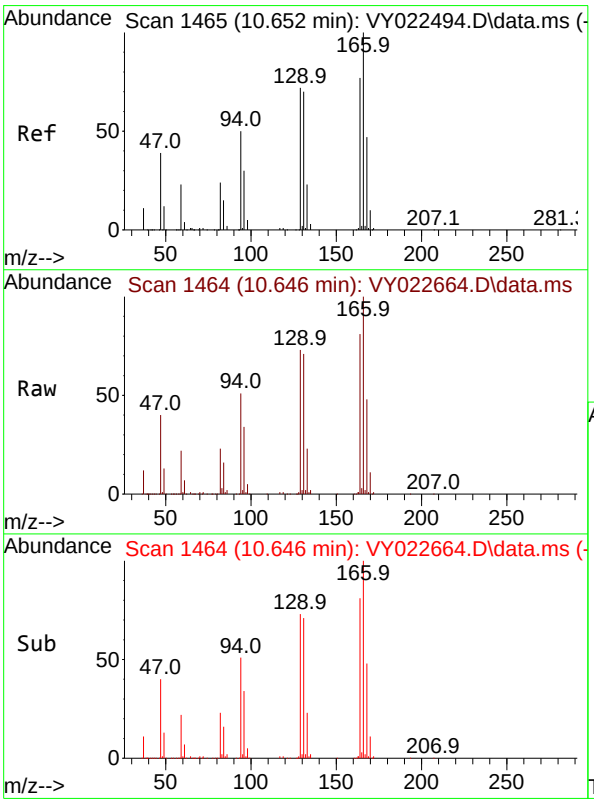
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 245247

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	66.8
119	31.9	25.4	38.0

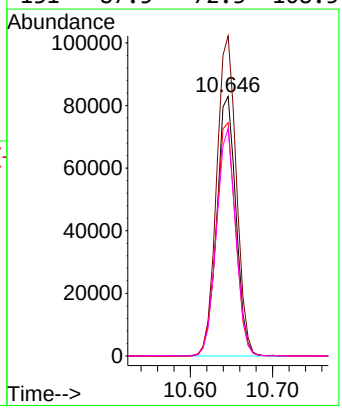


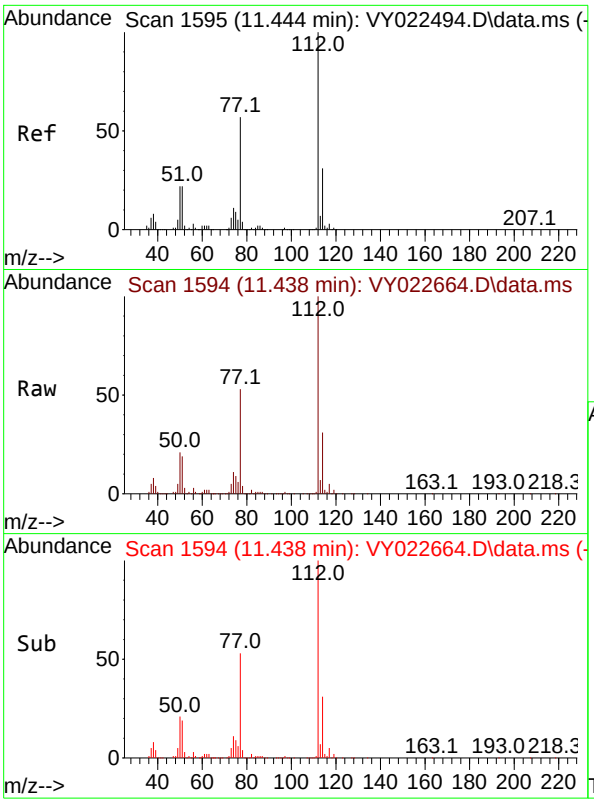


#64
Tetrachloroethene
Concen: 63.928 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:164 Resp: 134865

Ion	Ratio	Lower	Upper
164	100		
166	123.3	104.0	156.0
129	89.9	74.5	111.7
131	87.5	72.3	108.5



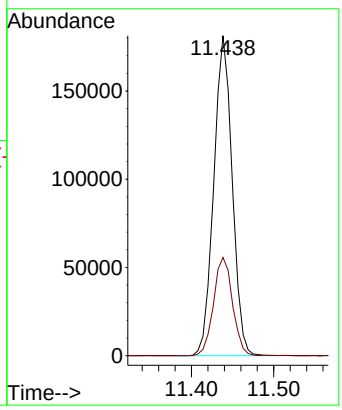


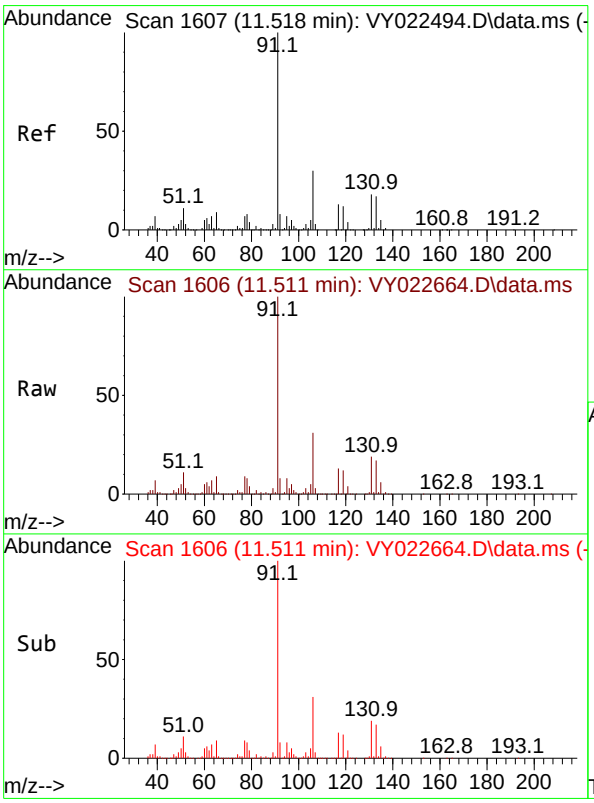
#65
Chlorobenzene
Concen: 51.989 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 282144

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.0	37.6

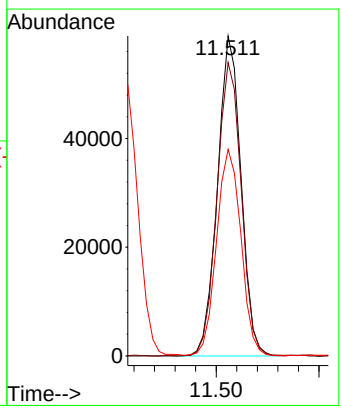


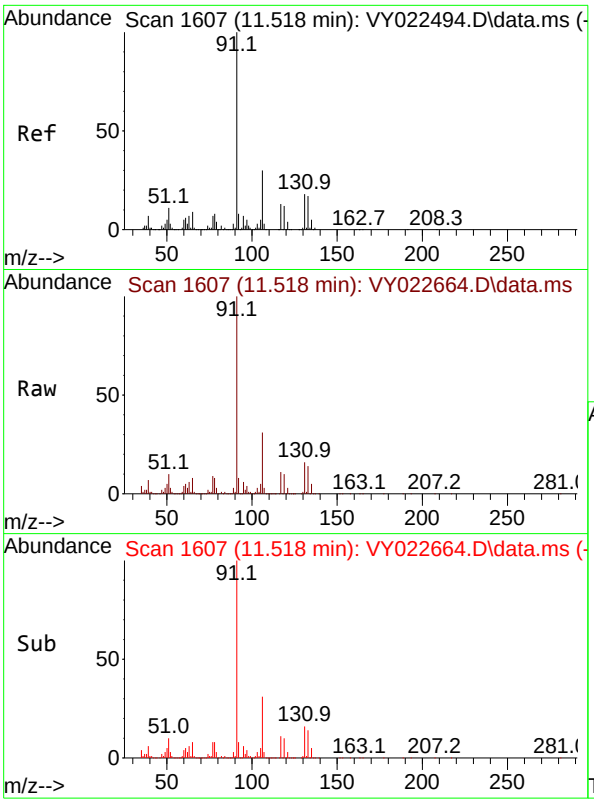


#66
1,1,1,2-Tetrachloroethane
Concen: 51.056 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:131 Resp: 93342

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	141.8
119	67.1	33.1	99.3



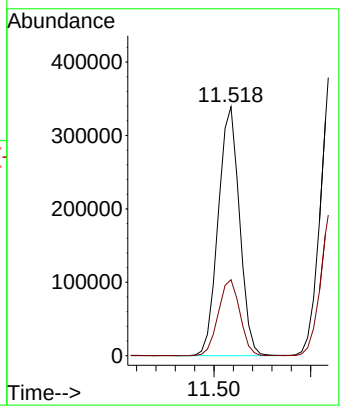


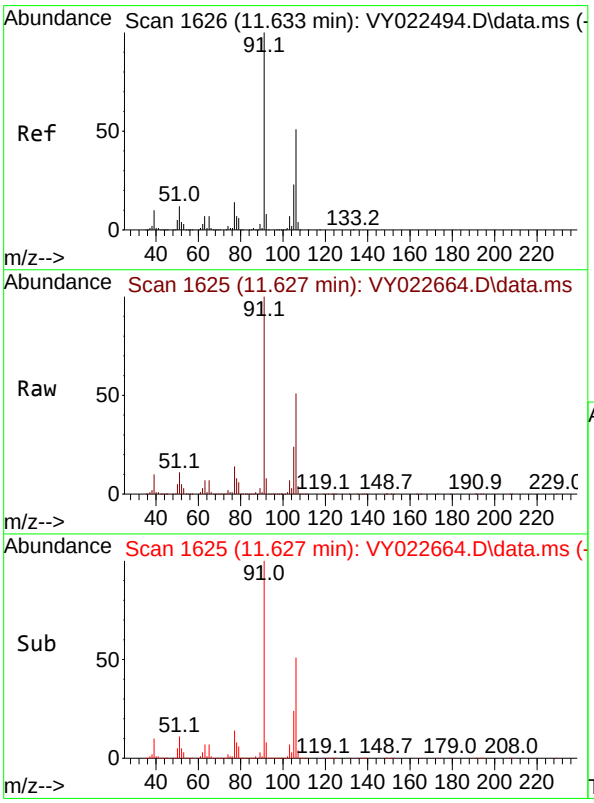
#67
Ethyl Benzene
Concen: 51.398 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 517369

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4

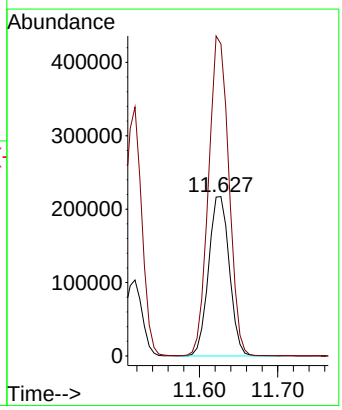


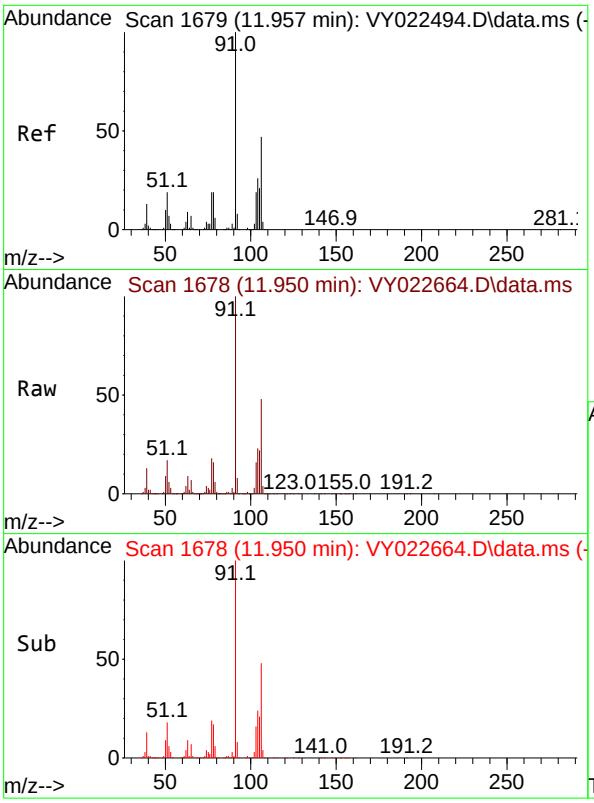


#68
m/p-Xylenes
Concen: 104.498 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:106 Resp: 398753

Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.4	239.0



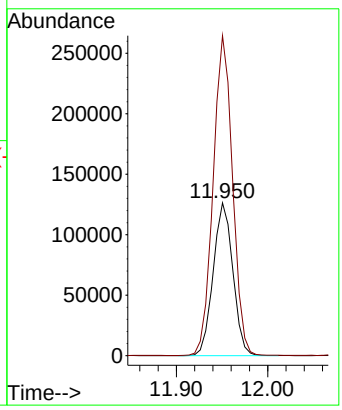


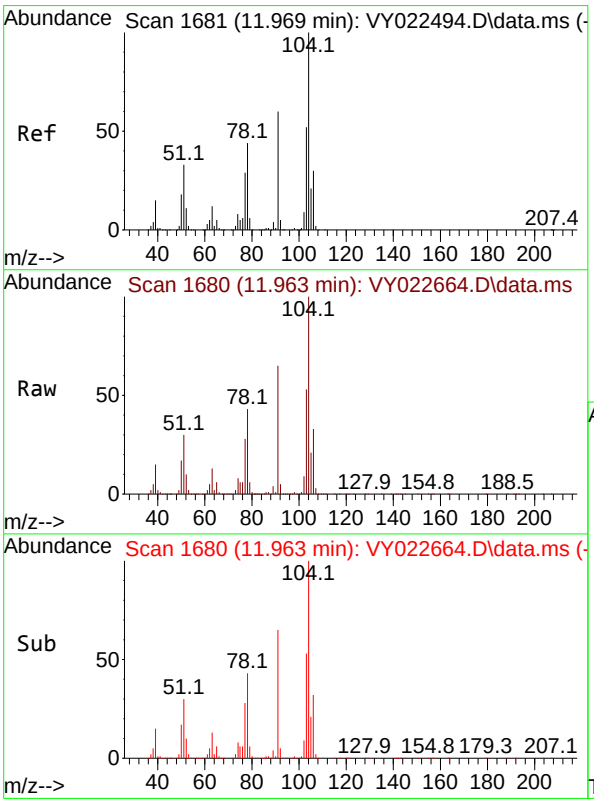
#69
o-Xylene
Concen: 52.894 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 189238

Ion	Ratio	Lower	Upper
106	100		
91	206.9	105.8	317.3

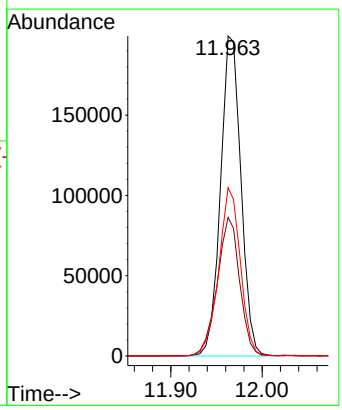


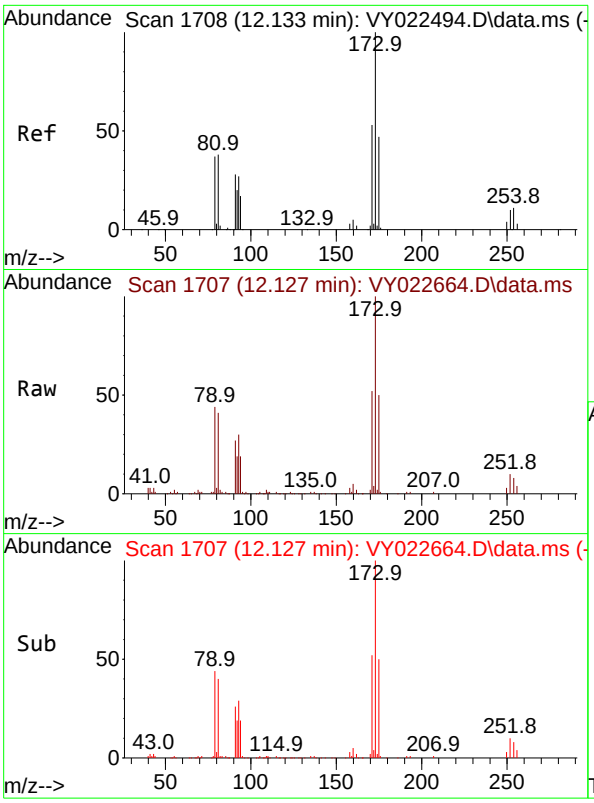


#70
Styrene
Concen: 52.424 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:104 Resp: 310024

Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.5	59.3
103	55.7	44.1	66.1



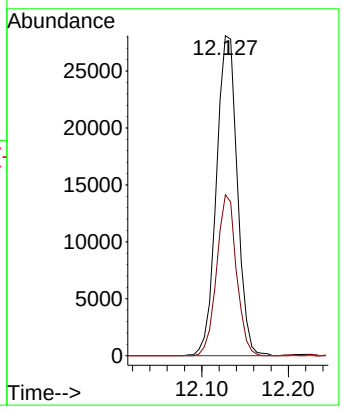


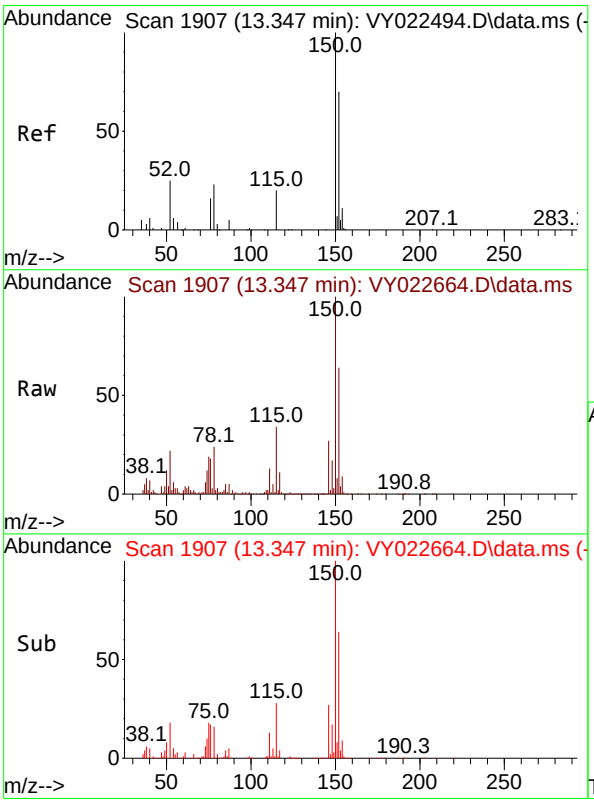
#71
Bromoform
Concen: 48.333 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 47022

Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.5
254	0.0	0.0	0.0

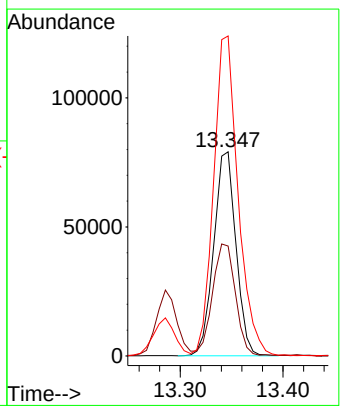


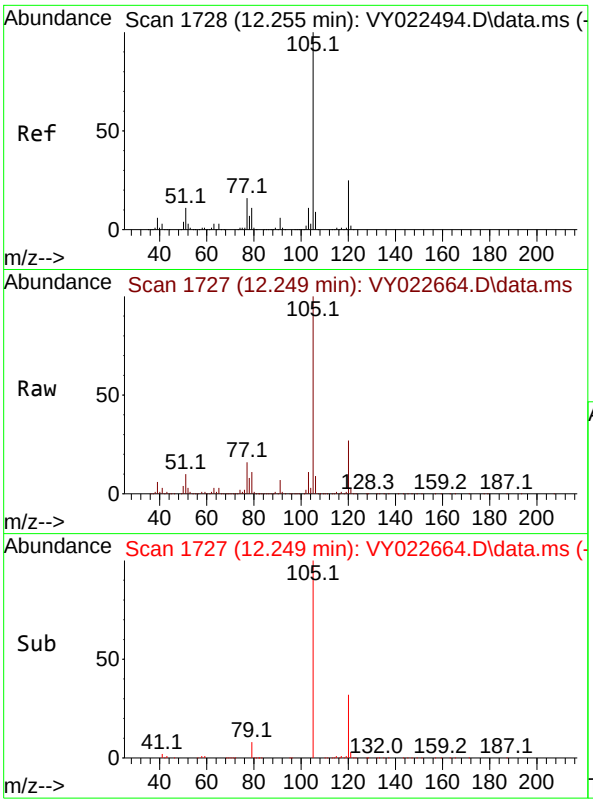


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:152 Resp: 118360

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.9	86.7
150	173.1	0.0	349.6



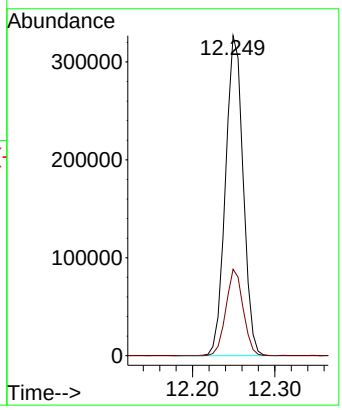


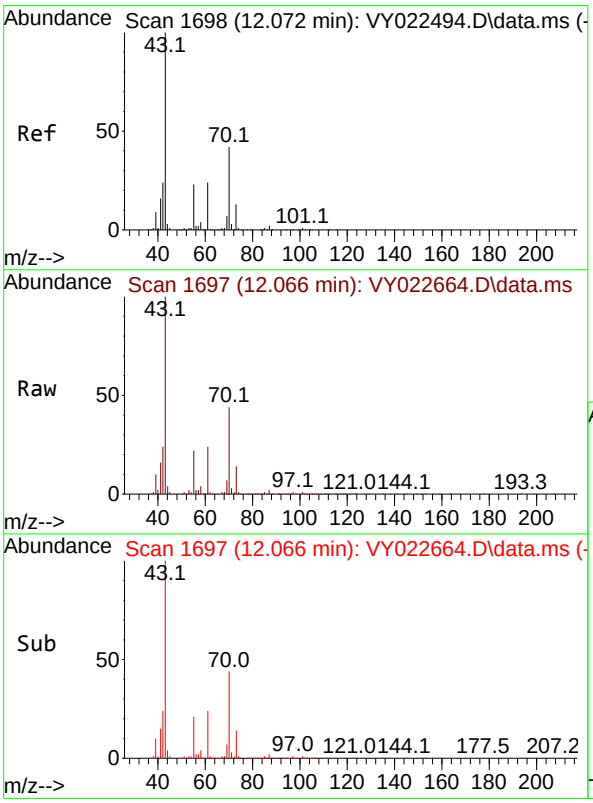
#73
Isopropylbenzene
Concen: 50.210 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 487911

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

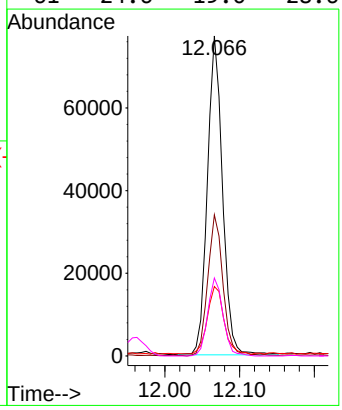


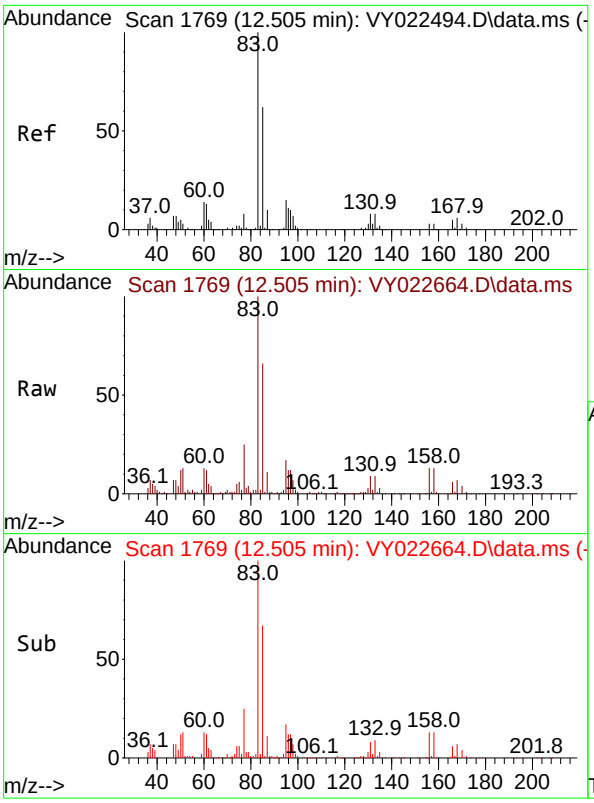


#74
N-amyl acetate
Concen: 44.340 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 43 Resp: 108716

Ion	Ratio	Lower	Upper
43	100		
70	45.0	34.2	51.2
55	23.0	18.2	27.4
61	24.6	19.0	28.6



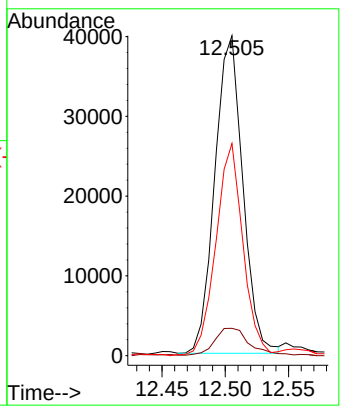


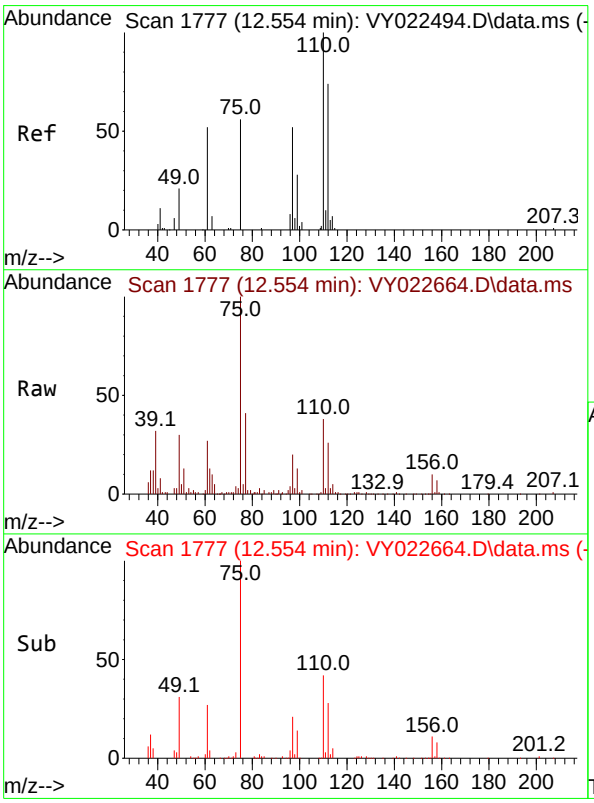
#75
1,1,2,2-Tetrachloroethane
Concen: 38.413 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 61263

Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.9	14.7
85	64.9	32.6	97.8

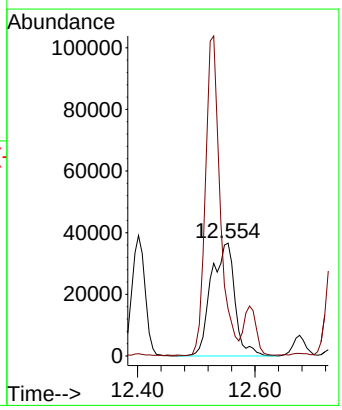


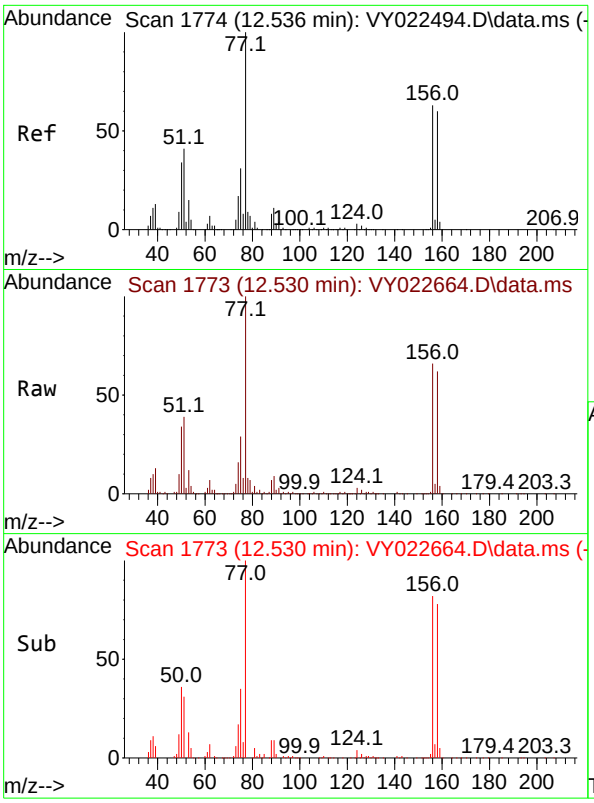


#76
1,2,3-Trichloropropane
Concen: 75.797 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 102635

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



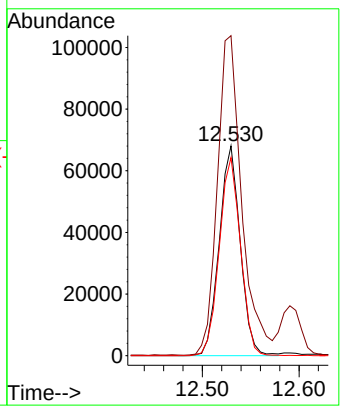


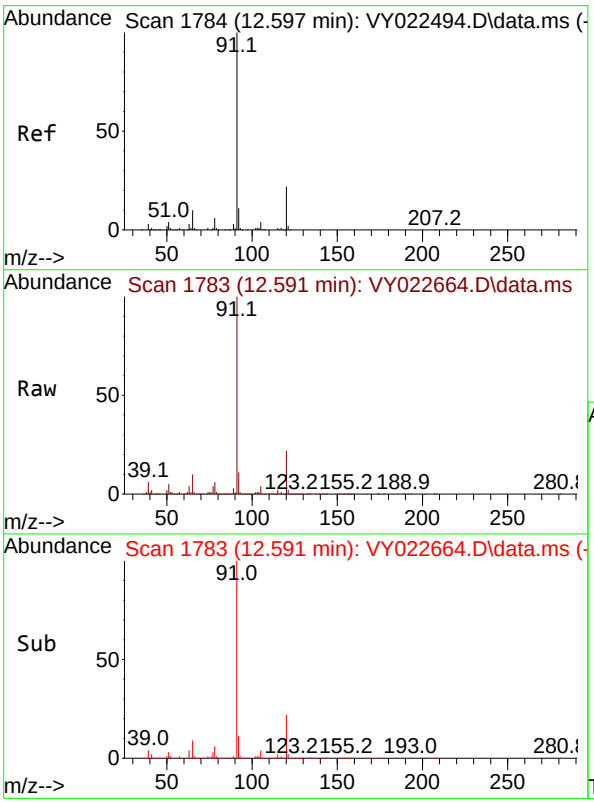
#77
Bromobenzene
Concen: 50.011 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 102552

Ion	Ratio	Lower	Upper
156	100		
77	176.5	94.0	282.1
158	95.4	48.2	144.6

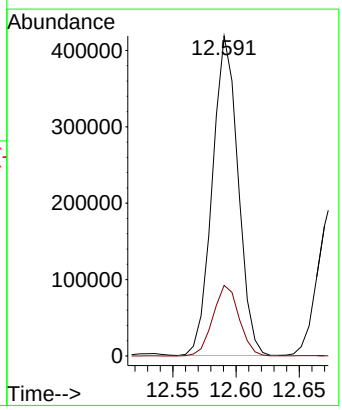


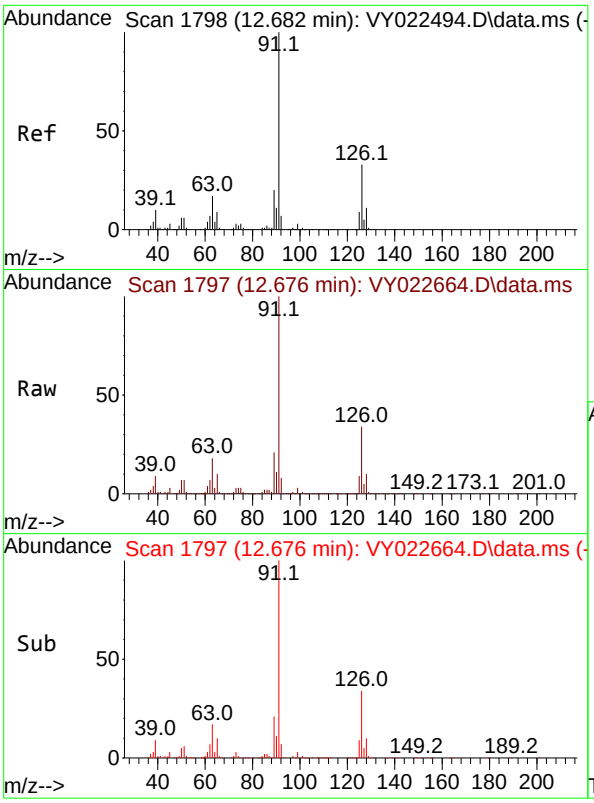


#78
n-propylbenzene
Concen: 49.873 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 591928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



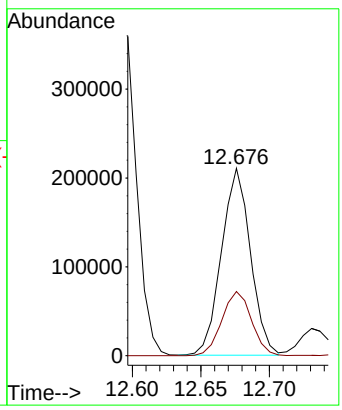


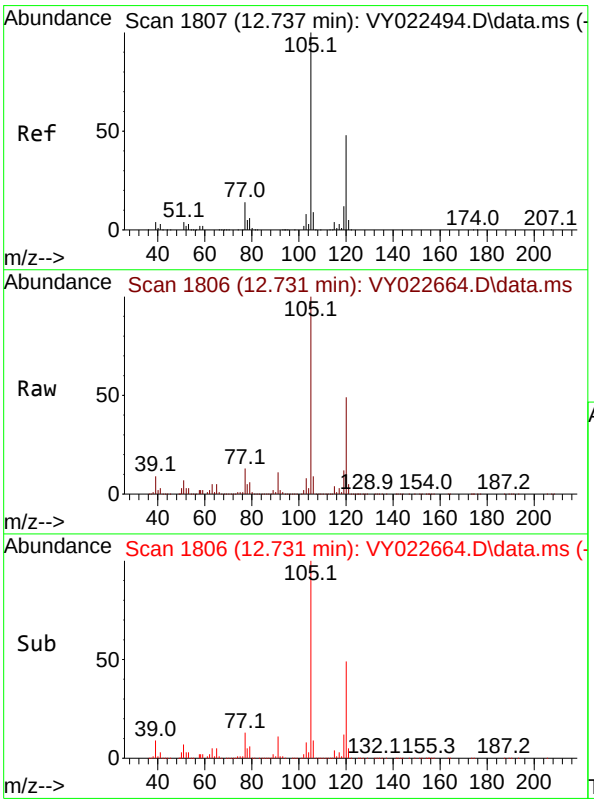
#79
2-Chlorotoluene
Concen: 49.256 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 309843

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.0	51.0

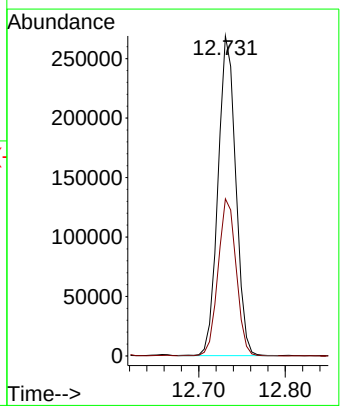


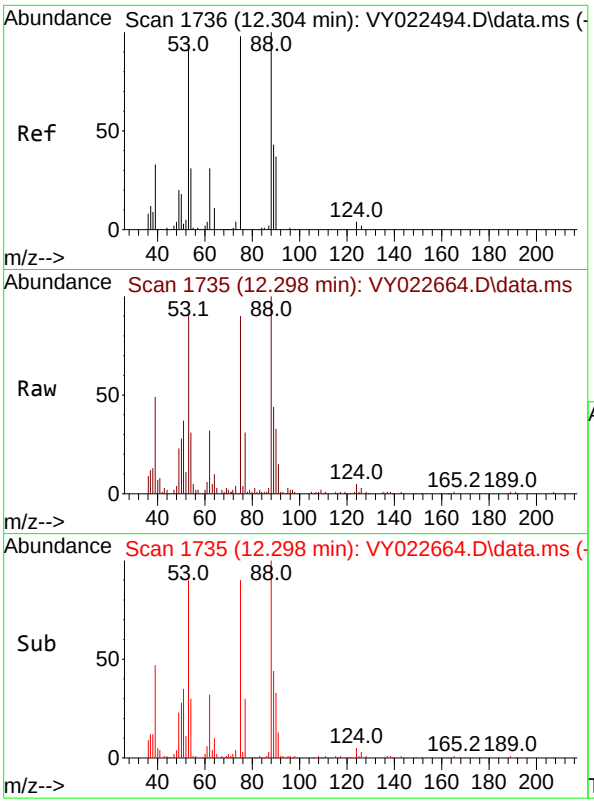


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:105 Resp: 381869

Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.1	72.4



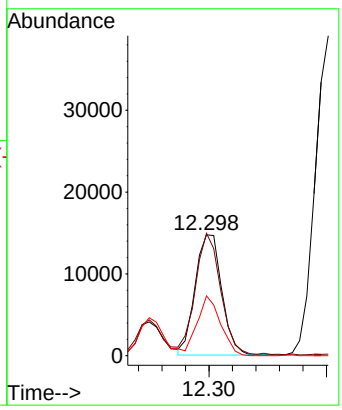


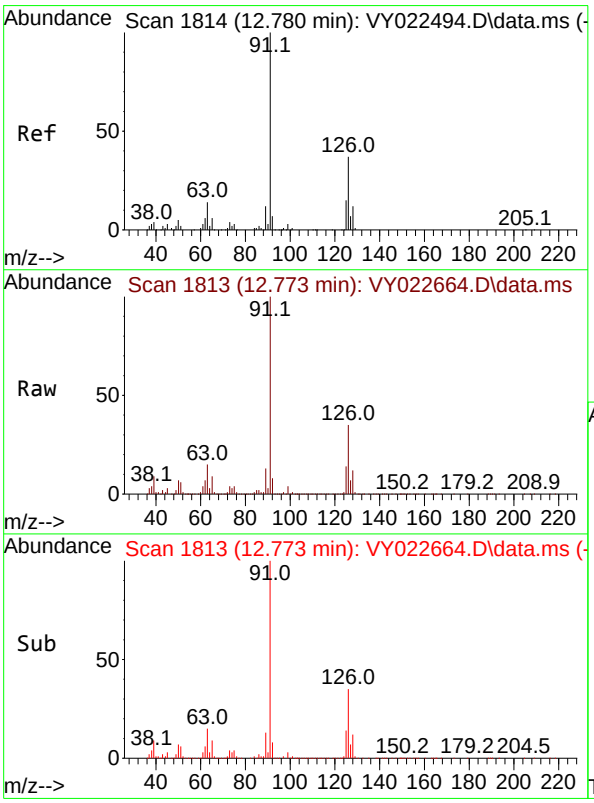
#81
trans-1,4-Dichloro-2-butene
Concen: 41.290 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 23152

Ion	Ratio	Lower	Upper
75	100		
53	96.2	78.5	117.7
89	43.2	35.7	53.5

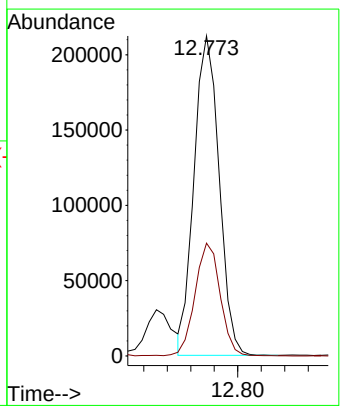


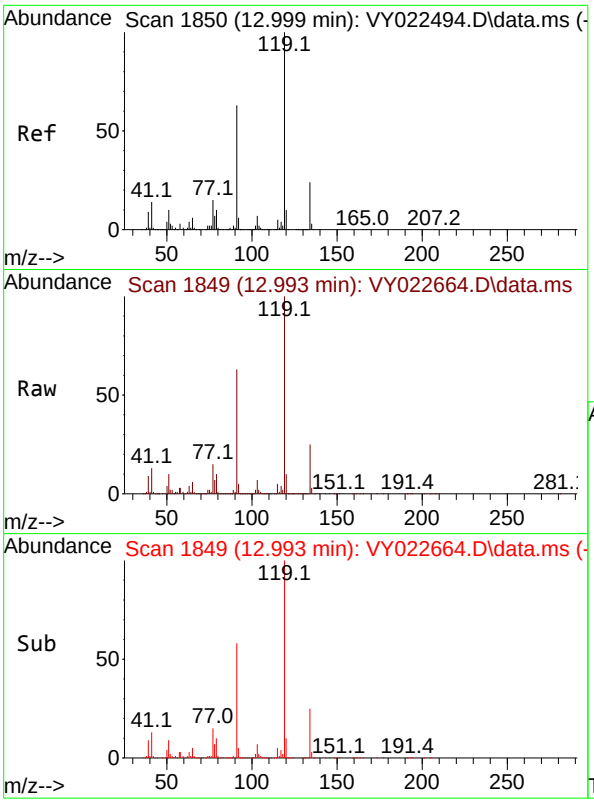


#82
4-Chlorotoluene
Concen: 48.391 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 91 Resp: 314019

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.0	50.9



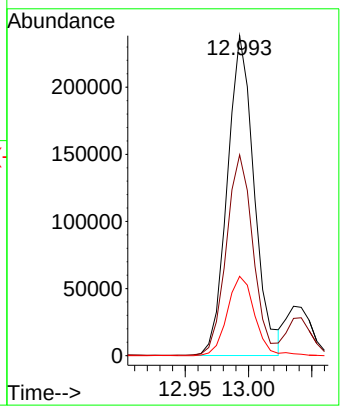


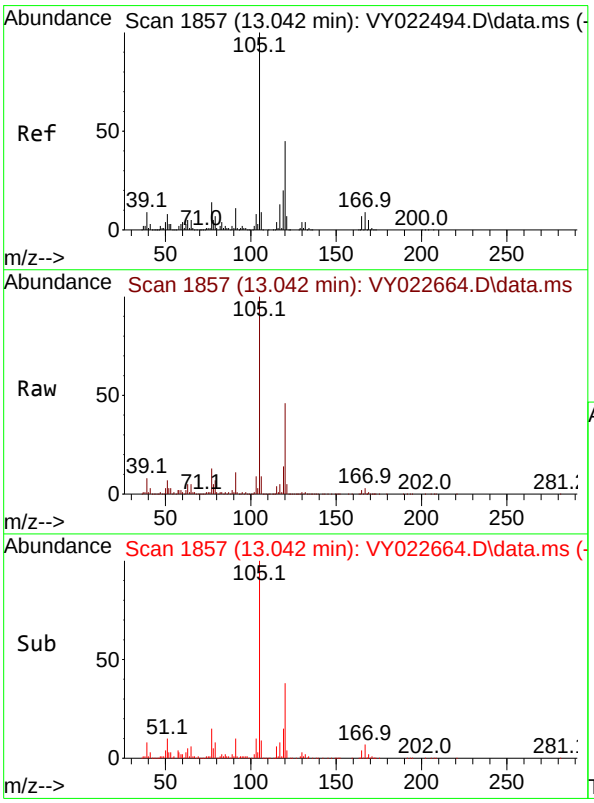
#83
tert-Butylbenzene
Concen: 51.390 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 351878

Ion	Ratio	Lower	Upper
119	100		
91	62.7	32.1	96.3
134	25.5	13.0	38.9

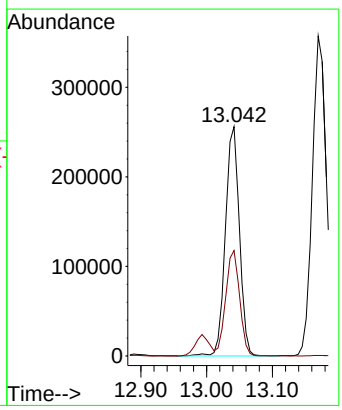


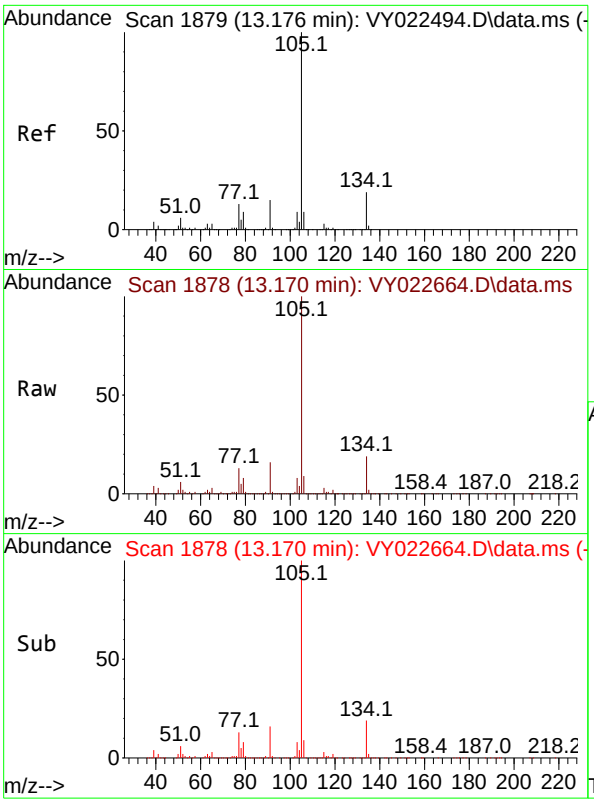


#84
1,2,4-Trimethylbenzene
Concen: 49.775 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:105 Resp: 379800

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1



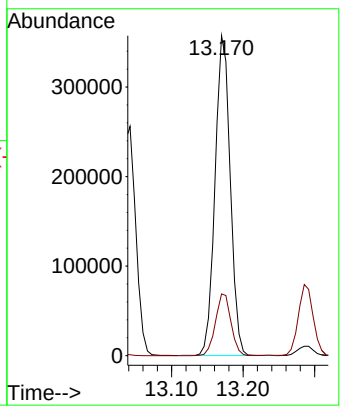


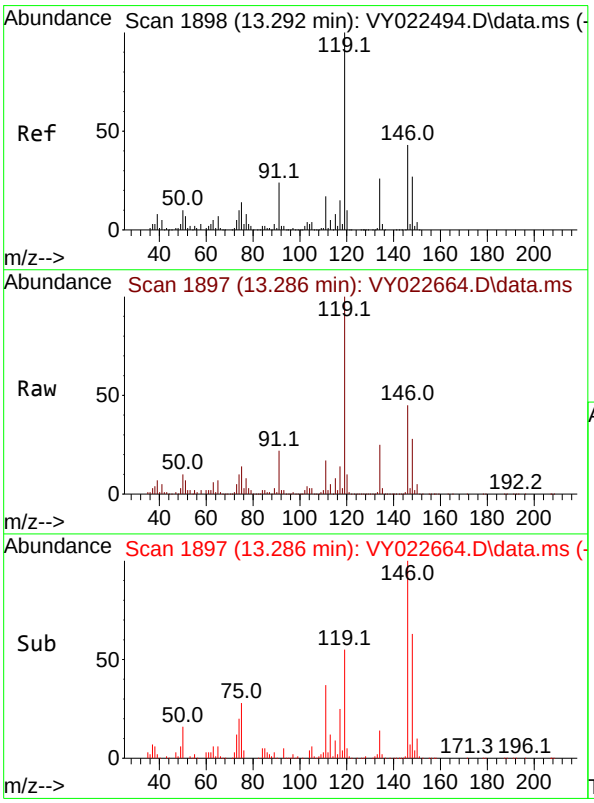
#85
sec-Butylbenzene
Concen: 50.277 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 527233

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	28.9

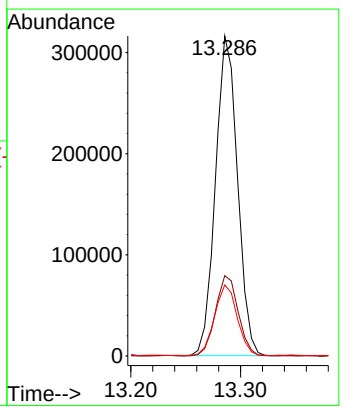


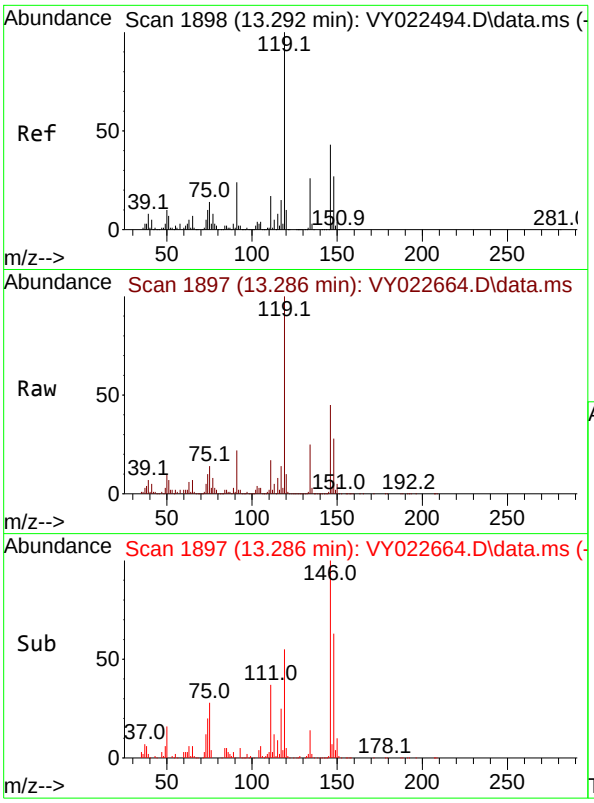


#86
p-Isopropyltoluene
Concen: 51.086 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:119 Resp: 441582

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	22.6	11.6	34.8



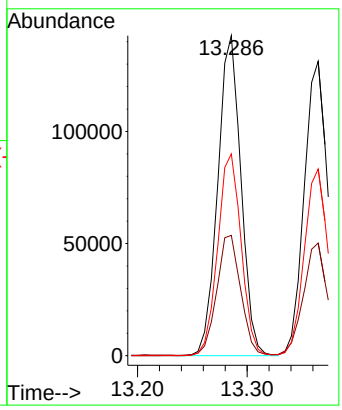


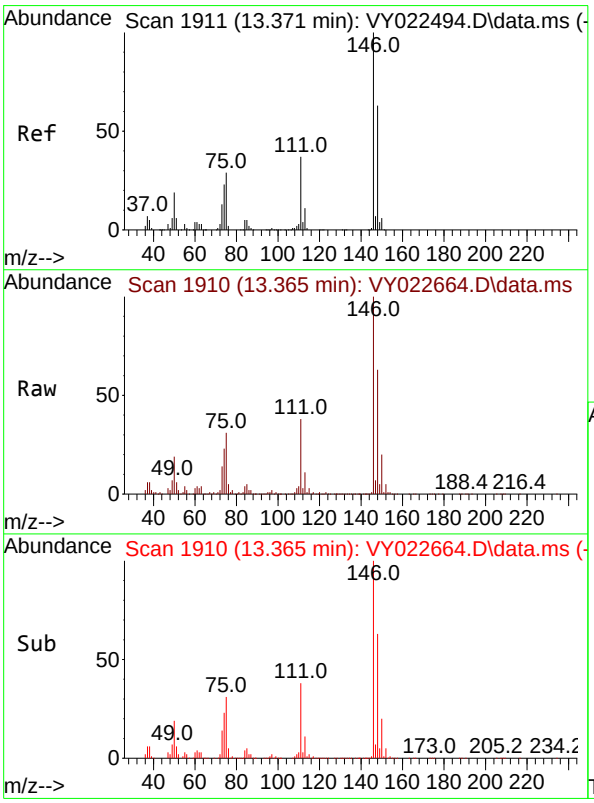
#87
1,3-Dichlorobenzene
Concen: 50.570 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 210101

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.8	32.1	96.3

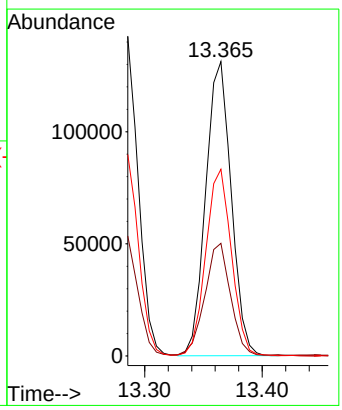


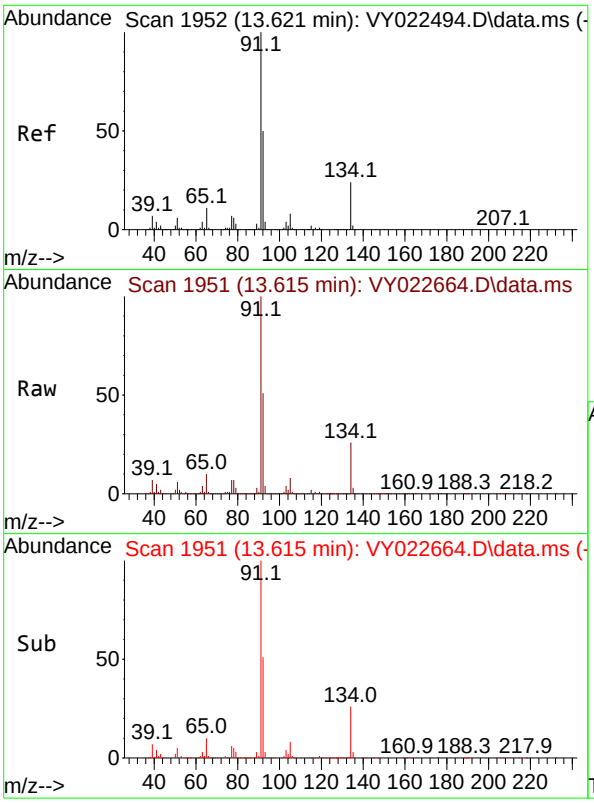


#88
1,4-Dichlorobenzene
Concen: 49.053 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:146 Resp: 197667

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	64.2	31.6	94.8



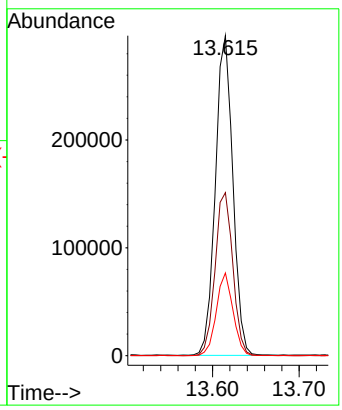


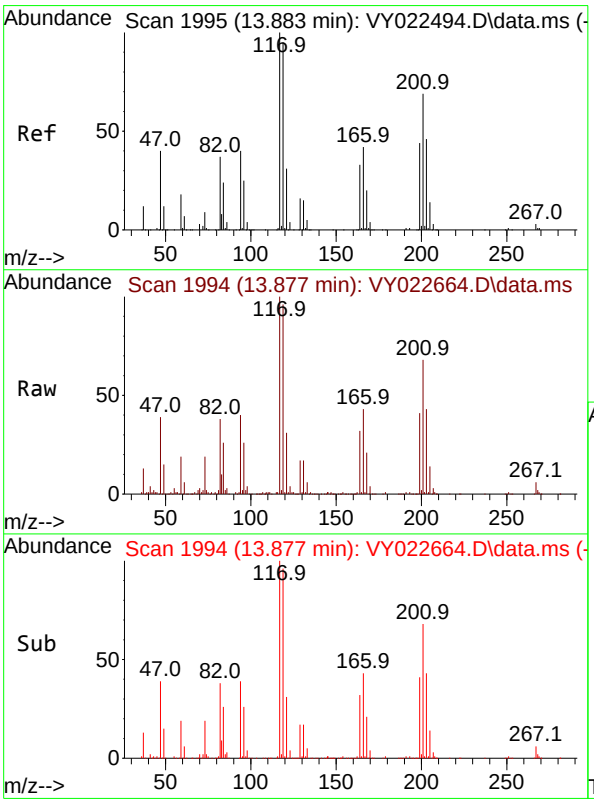
#89
n-Butylbenzene
Concen: 50.596 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 414934

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.9	12.0	36.1

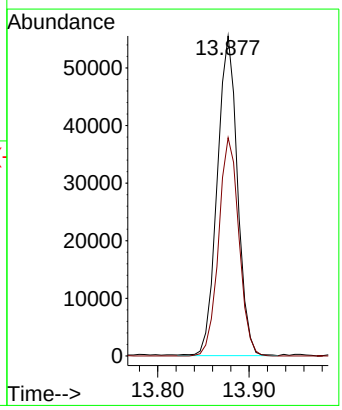


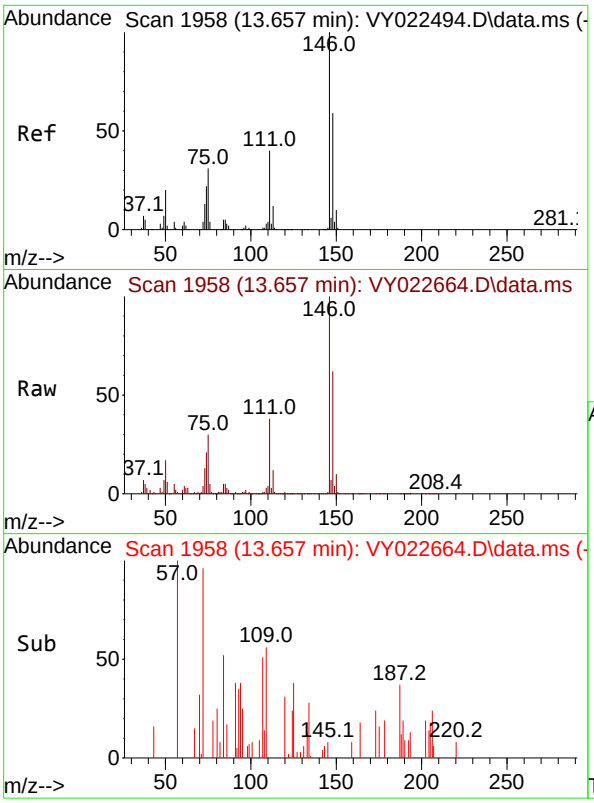


#90
Hexachloroethane
Concen: 50.740 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:117 Resp: 85386

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.0	102.0



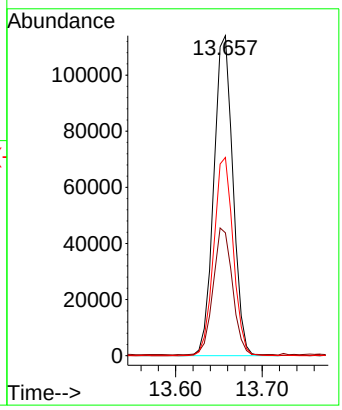


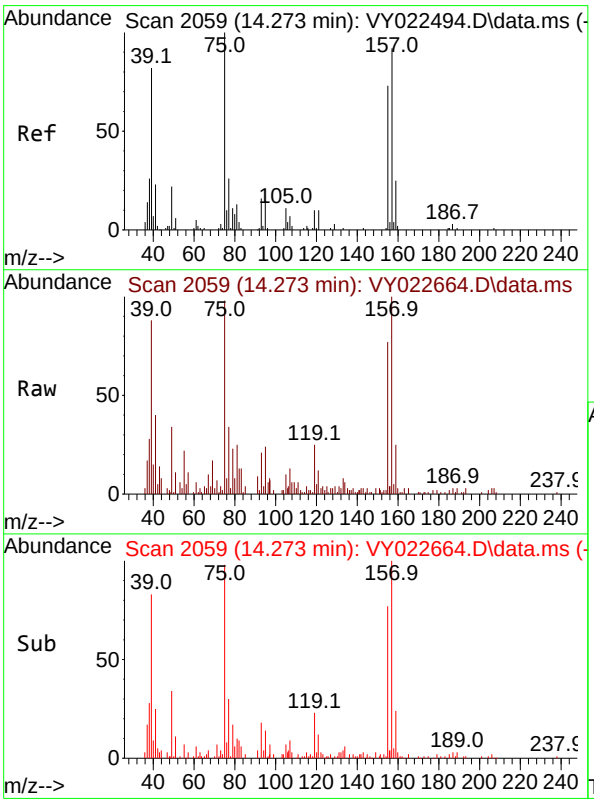
#91
1,2-Dichlorobenzene
Concen: 49.555 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 174803

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	63.1	31.4	94.0

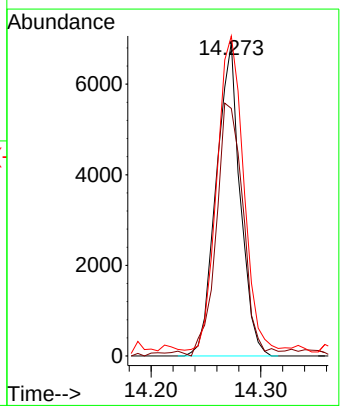


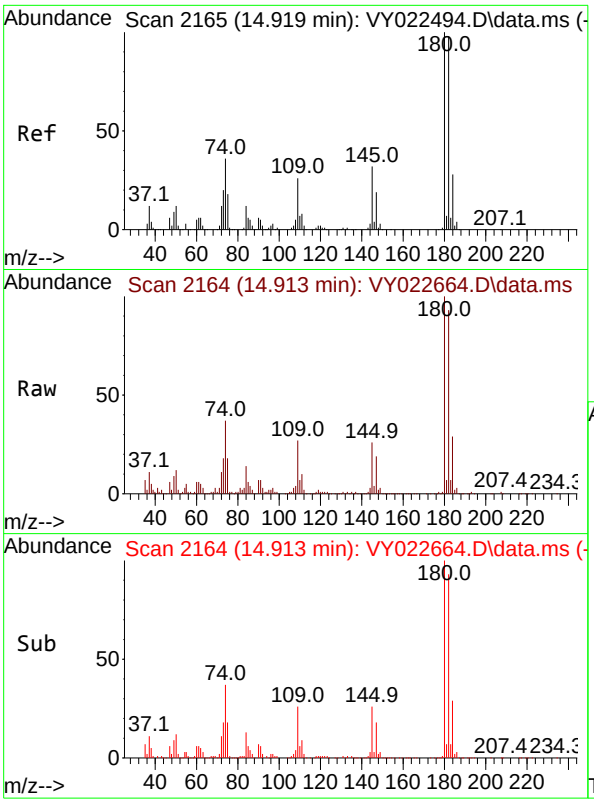


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.142 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion: 75 Resp: 10482

Ion	Ratio	Lower	Upper
75	100		
155	88.5	39.9	119.6
157	111.3	54.0	162.0



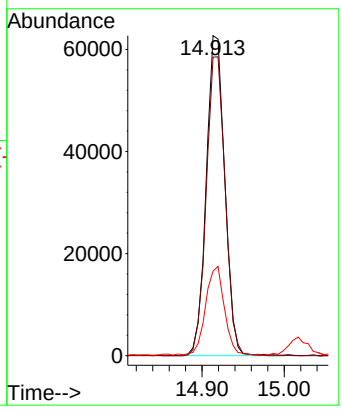


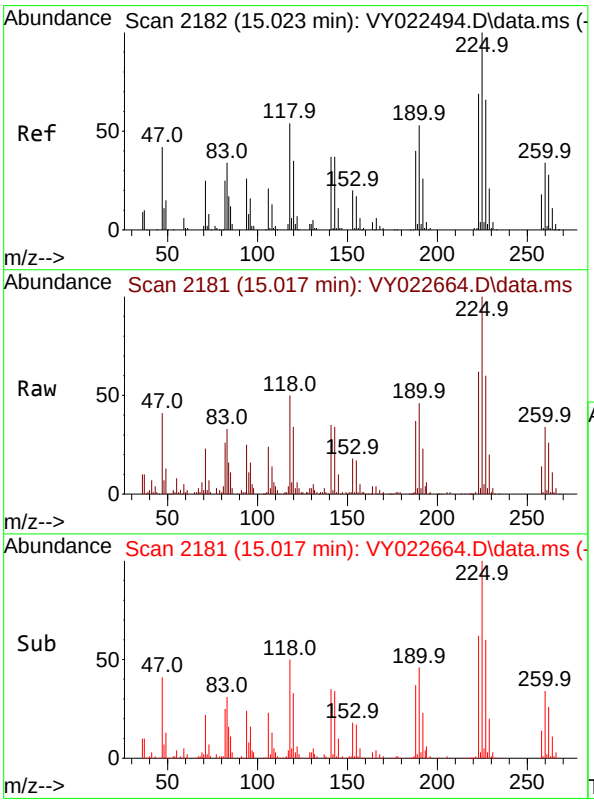
#93
1,2,4-Trichlorobenzene
Concen: 51.112 ug/l
RT: 14.913 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 98333

Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.3
145	28.2	15.5	46.5

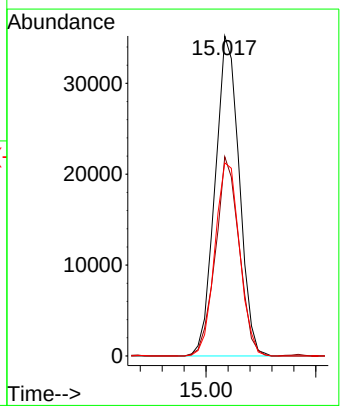


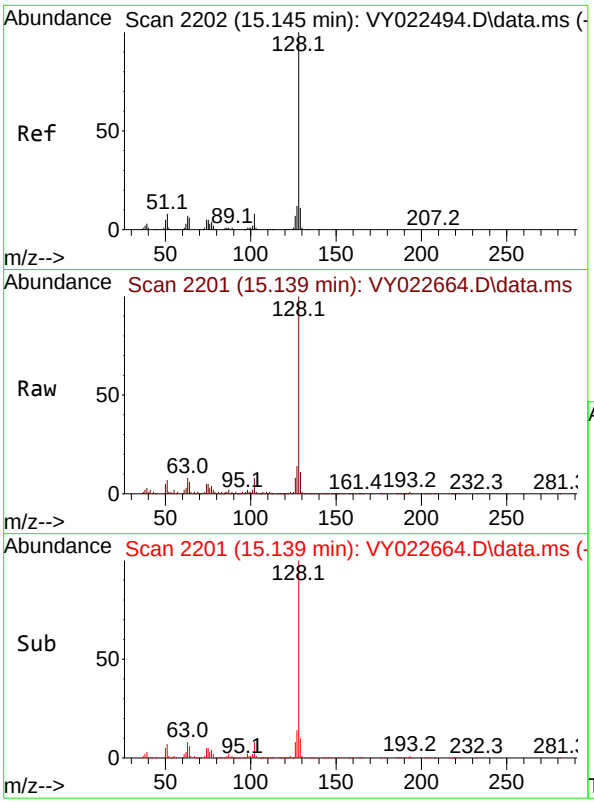


#94
Hexachlorobutadiene
Concen: 50.664 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:225 Resp: 53797

Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.5	97.4
227	61.9	32.3	96.9



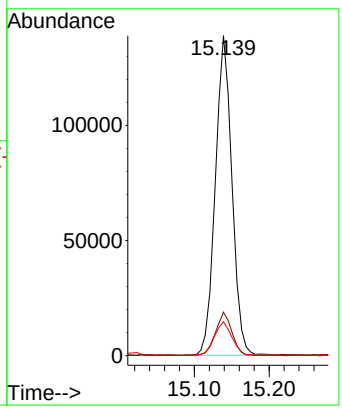


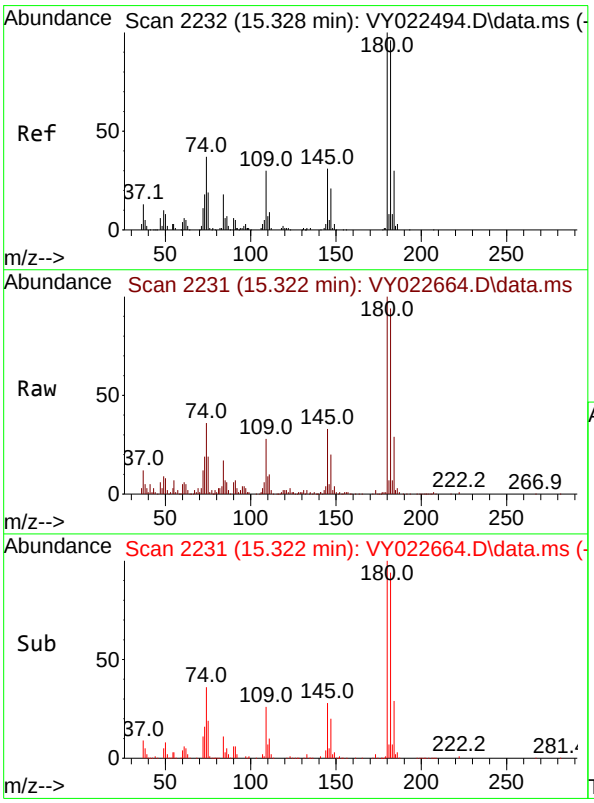
#95
Naphthalene
Concen: 58.089 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 214460

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.1	8.9	13.3





#96
1,2,3-Trichlorobenzene
Concen: 48.472 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY022664.D
Acq: 11 Jun 2025 15:07

Tgt Ion:180 Resp: 79920

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.1	141.3
145	30.4	15.2	45.6