284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2010

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2010-01	TP-10
Q2010-02	TP-13
Q2010-03	TP-14
Q2010-04	TP-17

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

Signature : ______________________

Date: 5/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2010
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.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 VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82D050625S.M) for Dichlorodifluoromethane, Chloromethane and Methylene Chloride are passing on Linear Regression While, Acetone is passing on Quadratic Regression.

The Continuous Calibration File ID VD080317.D met the requirements except for Dibromochloromethane,m/p-Xylenes and Styrene,are failing high but no positive hit in associate samples therefore no corrective action taken and Acetone is Failing high but Associated sample having hit below CRQL, therefore no corrective action taken.

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The Tuning criteria met requirements.

E. Additional Comments:
The Sample TP-10 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

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

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

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

Signature___________________________

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2010**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **05/20/2025**

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/14/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/14/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/16/25	

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Hit Summary Sheet

SW-846

SDG No.: Q2010

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TP-14**							
Q2010-03	TP-14	SOIL	Acetone	10.8	J	4.10	21.6	ug/Kg
			Total Voc :	10.8				
			Total Concentration:	10.8				
Client ID:	**TP-17**							
Q2010-04	TP-17	SOIL	Acetone	21.2		3.90	20.6	ug/Kg
Q2010-04	TP-17	SOIL	Methylcyclohexane	0.83	J	0.75	4.10	ug/Kg
Q2010-04	TP-17	SOIL	Benzene	6.90		0.65	4.10	ug/Kg
			Total Voc :	28.9				
			Total Concentration:	28.9				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2010-01	TP-10	1,2-Dichloroethane-d4	50	69.7	139		63	155
		Dibromofluoromethane	50	60.4	121		70	134
		Toluene-d8	50	52.5	105		74	123
		4-Bromofluorobenzene	50	44.9	90		38	136
Q2010-02	TP-13	1,2-Dichloroethane-d4	50	72.5	145		63	155
		Dibromofluoromethane	50	59.4	119		70	134
		Toluene-d8	50	50.1	100		74	123
		4-Bromofluorobenzene	50	42.4	85		38	136
Q2010-03	TP-14	1,2-Dichloroethane-d4	50	56.0	112		63	155
		Dibromofluoromethane	50	52.3	105		70	134
		Toluene-d8	50	49.4	99		74	123
		4-Bromofluorobenzene	50	42.9	86		38	136
Q2010-04	TP-17	1,2-Dichloroethane-d4	50	51.1	102		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	40.8	82		38	136
VD0514SBL01	VD0514SBL01	1,2-Dichloroethane-d4	50	67.2	134		63	155
		Dibromofluoromethane	50	58.6	117		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	44.8	90		38	136
VD0514SBS01	VD0514SBS01	1,2-Dichloroethane-d4	50	48.4	97		63	155
		Dibromofluoromethane	50	52.2	104		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	49.5	99		38	136
VD0514SBSD01	VD0514SBSD01	1,2-Dichloroethane-d4	50	47.8	96		63	155
		Dibromofluoromethane	50	52.9	106		70	134
		Toluene-d8	50	51.2	102		74	123
		4-Bromofluorobenzene	50	51.6	103		38	136
VY0516SBL01	VY0516SBL01	1,2-Dichloroethane-d4	50	43.9	88		63	155
		Dibromofluoromethane	50	48.0	96		70	134
		Toluene-d8	50	48.8	98		74	123
		4-Bromofluorobenzene	50	48.5	97		38	136
VY0516SBS01	VY0516SBS01	1,2-Dichloroethane-d4	50	51.1	102		63	155
		Dibromofluoromethane	50	50.8	102		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	49.4	99		38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080319.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBS01	Dichlorodifluoromethane	20	26.3	ug/Kg	132			64	136	
	Chloromethane	20	19.6	ug/Kg	98			70	130	
	Vinyl chloride	20	19.9	ug/Kg	100			72	129	
	Bromomethane	20	20.5	ug/Kg	103			58	141	
	Chloroethane	20	20.5	ug/Kg	103			69	130	
	Trichlorofluoromethane	20	21.8	ug/Kg	109			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	18.8	ug/Kg	94			79	121	
	Acetone	100	89.4	ug/Kg	89			60	131	
	Carbon disulfide	20	19.7	ug/Kg	99			45	154	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			77	129	
	Methyl Acetate	20	18.4	ug/Kg	92			69	149	
	Methylene Chloride	20	21.2	ug/Kg	106			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	17.6	ug/Kg	88			76	122	
	2-Butanone	100	89.5	ug/Kg	90			69	131	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	18.5	ug/Kg	93			80	127	
	Chloroform	20	20.8	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.4	ug/Kg	97			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	95.7	ug/Kg	96			70	135	
	Toluene	20	20.7	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	91.1	ug/Kg	91			66	138	
	Dibromochloromethane	20	22.1	ug/Kg	111			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	20.3	ug/Kg	102			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.1	ug/Kg	96			82	124	
	m/p-Xylenes	40	39.7	ug/Kg	99			83	124	
	o-Xylene	20	19.2	ug/Kg	96			83	123	
	Styrene	20	20.0	ug/Kg	100			82	124	
	Bromoform	20	21.0	ug/Kg	105			75	127	
	Isopropylbenzene	20	17.7	ug/Kg	89			82	124	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			77	127	
	1,3-Dichlorobenzene	20	18.7	ug/Kg	94			83	122	
	1,4-Dichlorobenzene	20	18.6	ug/Kg	93			84	121	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080319.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBS01	1,2-Dibromo-3-Chloropropane	20	18.0	ug/Kg	90			66	134	
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88			78	127	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080320.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD0514SBSD01	Dichlorodifluoromethane	20	26.0	ug/Kg	130	2		64	136	20
	Chloromethane	20	20.4	ug/Kg	102	4		70	130	20
	Vinyl chloride	20	20.7	ug/Kg	104	4		72	129	20
	Bromomethane	20	20.1	ug/Kg	101	2		58	141	20
	Chloroethane	20	21.0	ug/Kg	105	2		69	130	20
	Trichlorofluoromethane	20	21.3	ug/Kg	106	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/Kg	97	11		81	123	20
	1,1-Dichloroethene	20	19.3	ug/Kg	97	3		79	121	20
	Acetone	100	98.1	ug/Kg	98	10		60	131	20
	Carbon disulfide	20	19.6	ug/Kg	98	1		45	154	20
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	1		77	129	20
	Methyl Acetate	20	21.2	ug/Kg	106	14		69	149	20
	Methylene Chloride	20	21.5	ug/Kg	108	2		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	4		80	123	20
	1,1-Dichloroethane	20	19.8	ug/Kg	99	2		82	123	20
	Cyclohexane	20	17.8	ug/Kg	89	1		76	122	20
	2-Butanone	100	90.6	ug/Kg	91	1		69	131	20
	Carbon Tetrachloride	20	21.2	ug/Kg	106	3		76	129	20
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	1		82	123	20
	Bromochloromethane	20	19.5	ug/Kg	98	5		80	127	20
	Chloroform	20	20.4	ug/Kg	102	2		82	125	20
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	5		80	126	20
	Methylcyclohexane	20	18.2	ug/Kg	91	6		77	123	20
	Benzene	20	20.5	ug/Kg	103	1		84	121	20
	1,2-Dichloroethane	20	21.6	ug/Kg	108	6		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	2		83	122	20
	1,2-Dichloropropane	20	21.4	ug/Kg	107	6		83	122	20
	Bromodichloromethane	20	21.4	ug/Kg	107	3		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		70	135	20
	Toluene	20	20.8	ug/Kg	104	0		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		78	124	20
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100	1		81	122	20
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109	3		82	125	20
	2-Hexanone	100	96.4	ug/Kg	96	5		66	138	20
	Dibromochloromethane	20	22.6	ug/Kg	113	2		79	125	20
	1,2-Dibromoethane	20	21.3	ug/Kg	106	1		80	125	20
	Tetrachloroethene	20	19.6	ug/Kg	98	4		83	125	20
	Chlorobenzene	20	19.7	ug/Kg	99	0		84	122	20
	Ethyl Benzene	20	19.3	ug/Kg	97	1		82	124	20
	m/p-Xylenes	40	39.0	ug/Kg	98	1		83	124	20
	o-Xylene	20	19.2	ug/Kg	96	0		83	123	20
	Styrene	20	19.6	ug/Kg	98	2		82	124	20
	Bromoform	20	21.1	ug/Kg	106	1		75	127	20
	Isopropylbenzene	20	18.0	ug/Kg	90	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	1		77	127	20
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	6		83	122	20
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98	5		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	0		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D   **Datafile :** VD080320.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD0514SBSD01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/Kg	104	14		66	134	20
	1,2,4-Trichlorobenzene	20	18.5	ug/Kg	93	6		78	127	20
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93	1		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			64	136	
	Chloromethane	20	24.4	ug/Kg	122			70	130	
	Vinyl chloride	20	24.1	ug/Kg	121			72	129	
	Bromomethane	20	26.5	ug/Kg	133			58	141	
	Chloroethane	20	24.7	ug/Kg	124			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	85.5	ug/Kg	86			60	131	
	Carbon disulfide	20	20.7	ug/Kg	104			45	154	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	19.8	ug/Kg	99			69	149	
	Methylene Chloride	20	20.0	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.8	ug/Kg	99			76	122	
	2-Butanone	100	91.5	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	19.6	ug/Kg	98			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			83	122	
	Bromodichloromethane	20	20.2	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	90.9	ug/Kg	91			70	135	
	Toluene	20	19.5	ug/Kg	98			83	122	
	t-1,3-Dichloropropene	20	18.9	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			82	125	
	2-Hexanone	100	89.2	ug/Kg	89			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	19.8	ug/Kg	99			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.0	ug/Kg	95			82	124	
	m/p-Xylenes	40	38.4	ug/Kg	96			83	124	
	o-Xylene	20	19.4	ug/Kg	97			83	123	
	Styrene	20	18.9	ug/Kg	95			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	18.4	ug/Kg	92			83	122	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0514SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080318.D

Lab Sample ID: VD0514SBL01

Date Analyzed: 05/14/2025

Time Analyzed: 12:59

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0514SBS01	VD0514SBS01	VD080319.D	05/14/2025
VD0514SBSD01	VD0514SBSD01	VD080320.D	05/14/2025
TP-10	Q2010-01	VD080330.D	05/14/2025
TP-13	Q2010-02	VD080331.D	05/14/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0516SBL01

Lab Name: CHEMTECH   Contract: CAMP02

Lab Code: CHEM   Case No.: Q2010   SAS No.: Q2010   SDG NO.: Q2010

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

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

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

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025
TP-14	Q2010-03	VY022291.D	05/16/2025
TP-17	Q2010-04	VY022292.D	05/16/2025

COMMENTS:

Raw Data: **VD080289.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH   Contract: CAMP02

Lab Code: CHEM   Case No.: Q2010   SAS No.: Q2010   SDG NO.: Q2010

Lab File ID: VD080289.D   BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_D   BFB Injection Time: 09:57

GC Column: RTX-VMS   ID: 0.18 (mm)   Heated Purge: Y/N   Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	6.4 (7.2) 1
176	95.0 - 101.0% of mass 174	86 (96) 1
177	5.0 - 9.0% of mass 176	6.1 (7.1) 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	VD080290.D	05/06/2025	13:33
VSTDICC010	VSTDICC010	VD080291.D	05/06/2025	13:55
VSTDICC020	VSTDICC020	VD080292.D	05/06/2025	14:23
VSTDICCC050	VSTDICCC050	VD080293.D	05/06/2025	14:51
VSTDICC100	VSTDICC100	VD080294.D	05/06/2025	15:19
VSTDICC150	VSTDICC150	VD080295.D	05/06/2025	15:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH   Contract: CAMP02

Lab Code: CHEM   Case No.: Q2010   SAS No.: Q2010   SDG NO.: Q2010

Lab File ID: VD080316.D   BFB Injection Date: 05/14/2025

Instrument ID: MSVOA_D   BFB Injection Time: 10:44

GC Column: RTX-VMS   ID: 0.18 (mm)   Heated Purge: Y/N   Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	95.3
175	5.0 - 9.0% of mass 174	7.7 (8) 1
176	95.0 - 101.0% of mass 174	90.8 (95.3) 1
177	5.0 - 9.0% of mass 176	6.6 (7.3) 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	VD080317.D	05/14/2025	12:25
VD0514SBL01	VD0514SBL01	VD080318.D	05/14/2025	12:59
VD0514SBS01	VD0514SBS01	VD080319.D	05/14/2025	13:29
VD0514SBSD01	VD0514SBSD01	VD080320.D	05/14/2025	13:57
TP-10	Q2010-01	VD080330.D	05/14/2025	18:50
TP-13	Q2010-02	VD080331.D	05/14/2025	19:17

Raw Data: **VY022252.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

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

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH | Contract: CAMP02

Lab Code: CHEM | Case No.: Q2010 | SAS No.: Q2010 | SDG NO.: Q2010

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

Instrument ID: MSVOA_Y | BFB Injection Time: 07:54

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.1
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	81.9 (98.3) 1
177	5.0 - 9.0% of mass 176	5.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022277.D	05/16/2025	08:24
VY0516SBL01	VY0516SBL01	VY022278.D	05/16/2025	09:37
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025	10:09
TP-14	Q2010-03	VY022291.D	05/16/2025	15:15
TP-17	Q2010-04	VY022292.D	05/16/2025	15:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080317.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_D Time Analyzed: 12:25

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	122311	7.88	190669	8.78	180076	11.58
UPPER LIMIT	244622	8.376	381338	9.276	360152	12.082
LOWER LIMIT	61155.5	7.376	95334.5	8.276	90038	11.082
EPA SAMPLE NO.						
TP-10	68271	7.88	175457	8.78	176652	11.58
TP-13	68027	7.88	175314	8.78	166929	11.58
VD0514SBL01	76535	7.88	201385	8.78	193499	11.58
VD0514SBS01	107481	7.88	177282	8.78	170015	11.58
VD0514SBSD01	108123	7.88	175447	8.78	170138	11.58

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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080317.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_D Time Analyzed: 12:25

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	99603	13.517				
UPPER LIMIT	199206	14.017				
LOWER LIMIT	49801.5	13.017				
EPA SAMPLE NO.						
TP-10	76572	13.52				
TP-13	69324	13.52				
VD0514SBL01	87202	13.52				
VD0514SBS01	97541	13.52				
VD0514SBSD01	94201	13.52				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	212993	7.71	356583	8.62	305829	11.42
UPPER LIMIT	425986	8.207	713166	9.115	611658	11.92
LOWER LIMIT	106497	7.207	178292	8.115	152915	10.92
EPA SAMPLE NO.						
TP-14	268422	7.71	485395	8.62	403756	11.41
TP-17	268322	7.71	484104	8.61	388336	11.41
VY0516SBL01	314347	7.71	555500	8.62	426459	11.42
VY0516SBS01	205076	7.71	351708	8.62	300126	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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

	IS4 AREA #	RT #				
12 HOUR STD	144477	13.346				
UPPER LIMIT	288954	13.846				
LOWER LIMIT	72238.5	12.846				
EPA SAMPLE NO.						
TP-14	155516	13.35				
TP-17	145207	13.35				
VY0516SBL01	151389	13.35				
VY0516SBS01	141210	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE

DATA

Raw Data: **VD080330.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U	0.83	3.70	ug/Kg
74-87-3	Chloromethane	0.83	U	0.83	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.70	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.3	ug/Kg
75-15-0	Carbon Disulfide	0.77	U	0.77	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
74-97-5	Bromochloromethane	0.84	U	0.84	3.70	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.3	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.70	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.3	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.91	U	0.91	7.30	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.7		63 - 155	139%	SPK: 50
1868-53-7	Dibromofluoromethane	60.4		70 - 134	121%	SPK: 50
2037-26-5	Toluene-d8	52.5		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68300	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	177000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	76600	13.517			

Raw Data: **VD080330.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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)

Sample Results: **VD080330.D**

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 15 03:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	68271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	176652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	76572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	61521	69.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.360%			
35) Dibromofluoromethane	7.811	113	70976	60.355	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.700%			
50) Toluene-d8	10.270	98	243453	52.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.570	95	66832	44.938	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.880%			
Target Compounds						Qvalue
20) Methylene Chloride	4.800	84	6639	3.481	ug/l	93

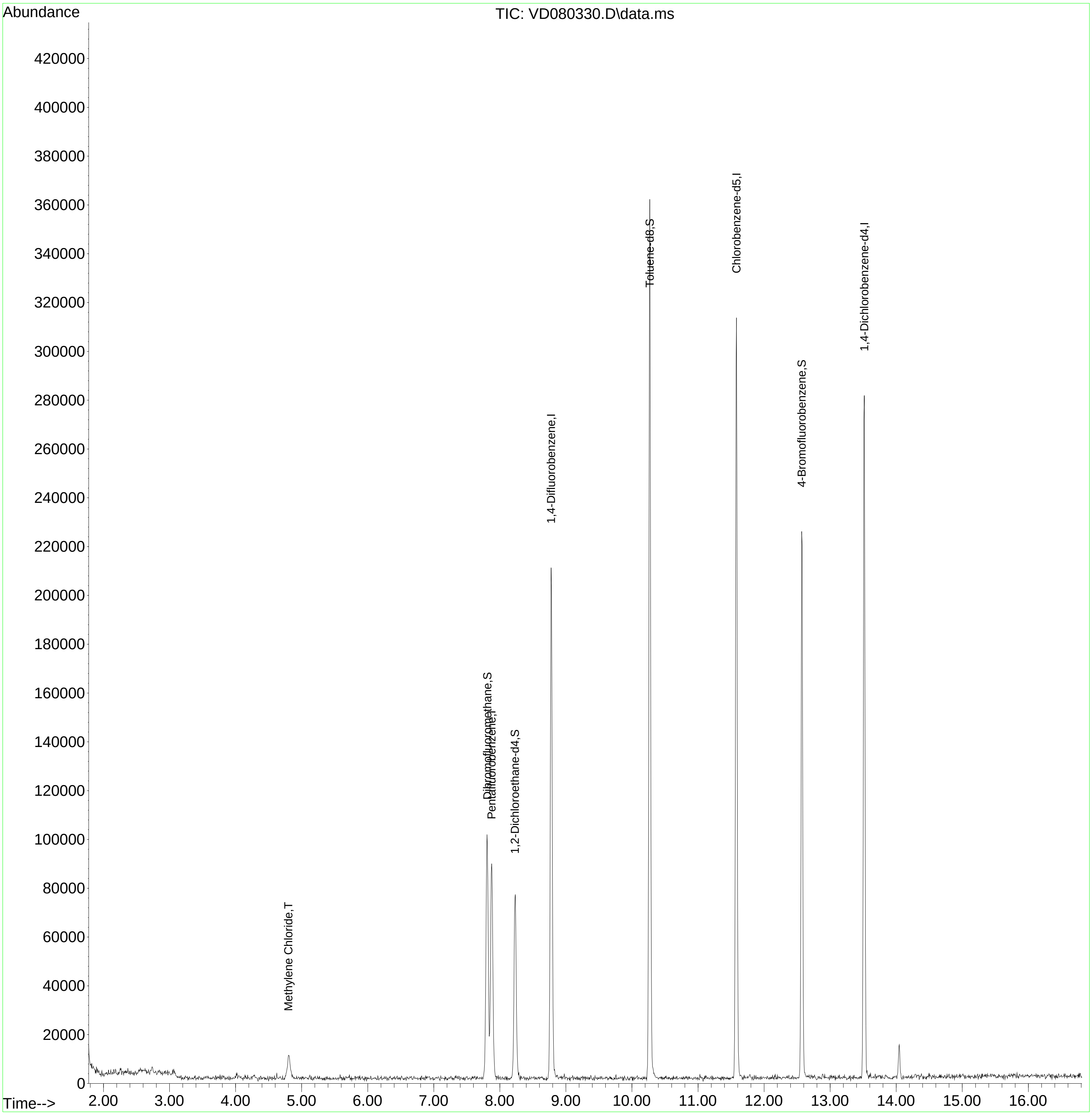
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VD080330.D**

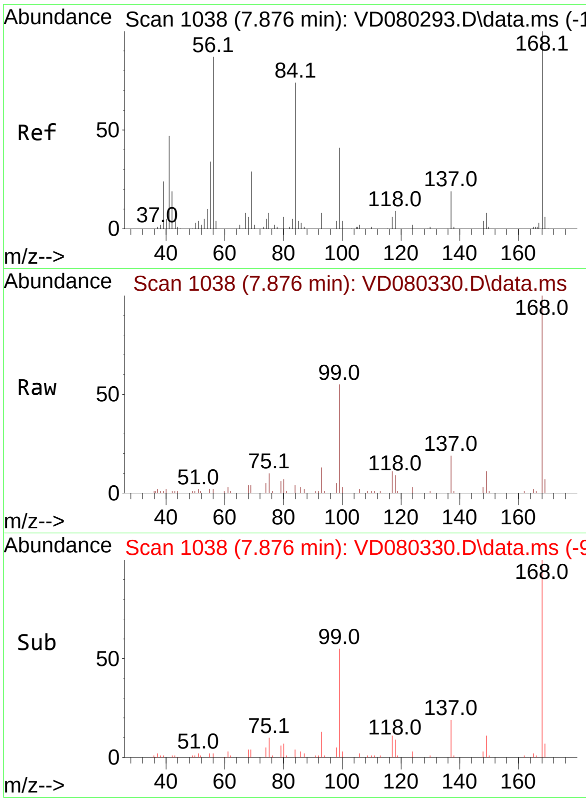
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Time: May 15 03:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



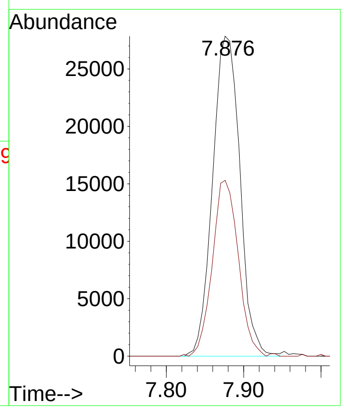
Instrument :
MSVOA_D
ClientSampleId :
TP-10

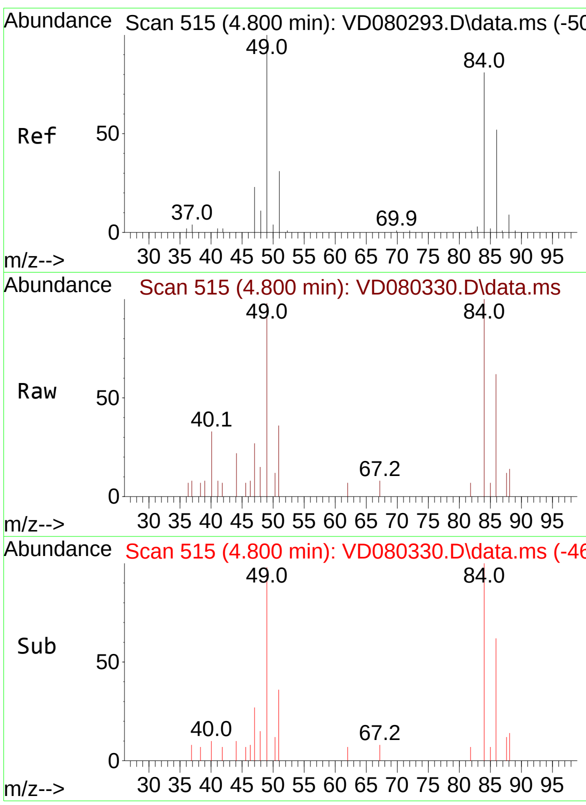


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:168 Resp: 68271

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.0	69.0

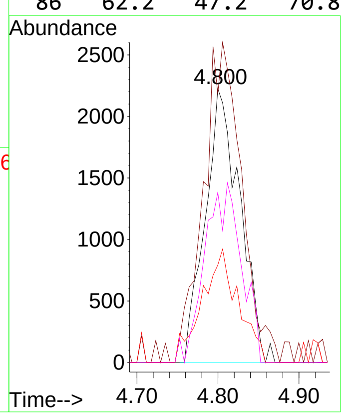


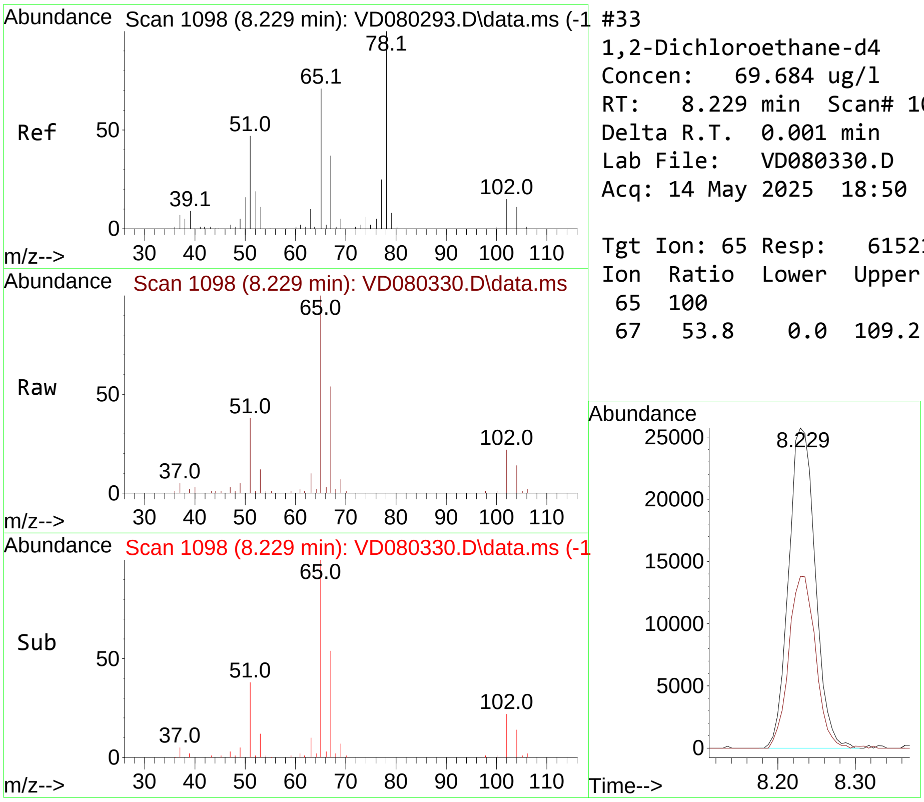


#20
Methylene Chloride
Concen: 3.481 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 84 Resp: 6639

Ion	Ratio	Lower	Upper
84	100		
49	98.0	86.5	129.7
51	35.6	26.9	40.3
86	62.2	47.2	70.8



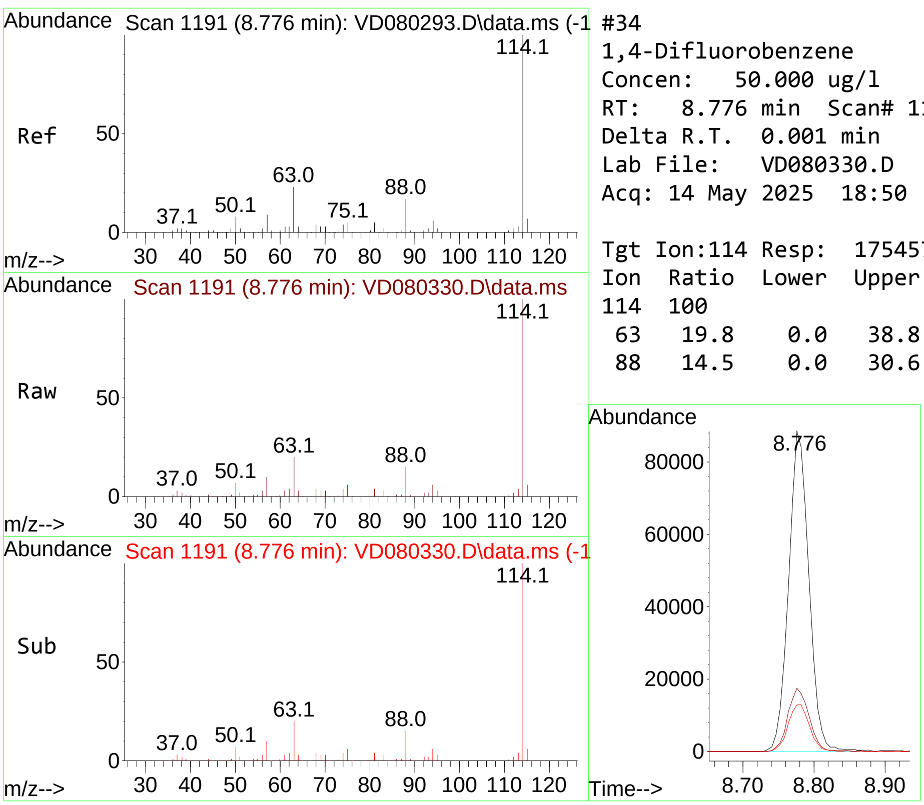


#33
1,2-Dichloroethane-d4
Concen: 69.684 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion: 65 Resp: 61521

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.2

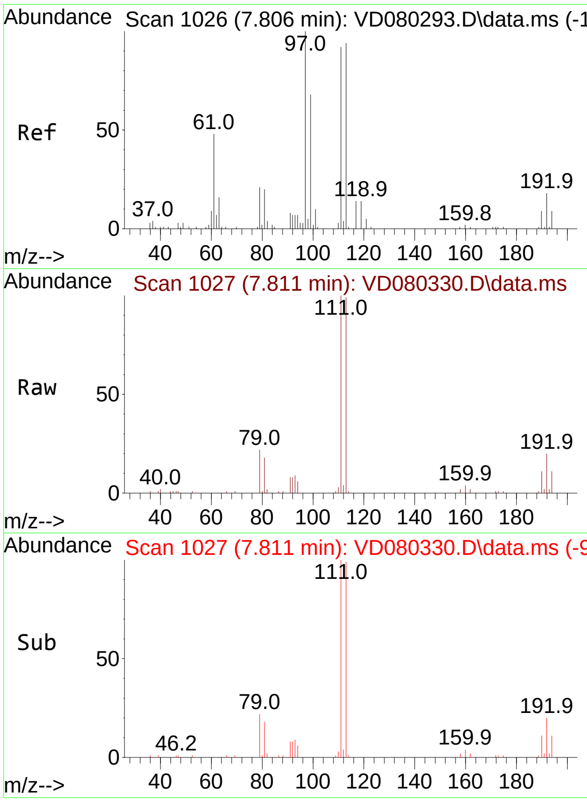


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:114 Resp: 175457

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.8
88	14.5	0.0	30.6

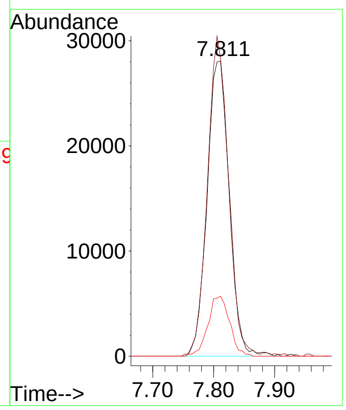
Instrument :
MSVOA_D
ClientSampleId :
TP-10

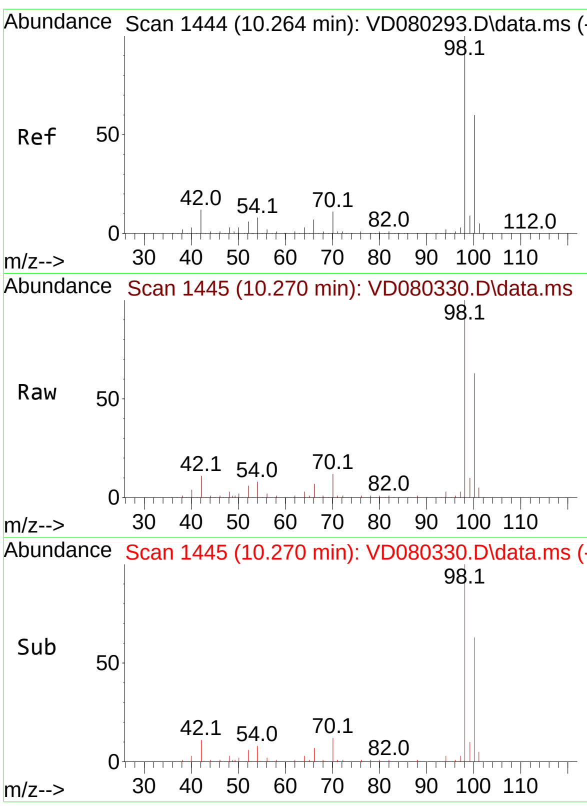


#35
Dibromofluoromethane
Concen: 60.355 ug/l
RT: 7.811 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:113 Resp: 70976

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	19.9	16.6	25.0

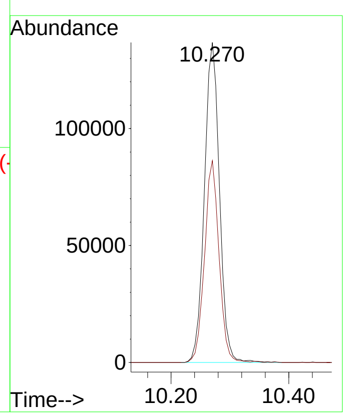




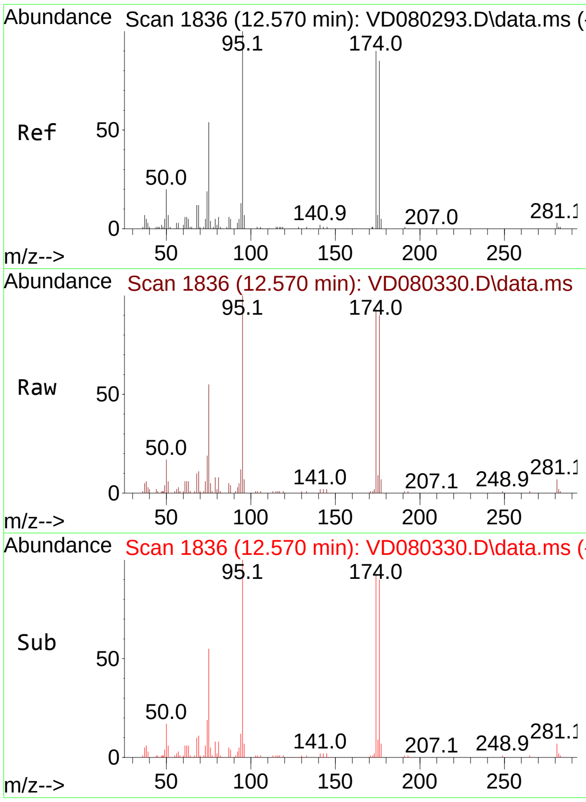
#50
Toluene-d8
Concen: 52.542 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 98 Resp: 243453

Ion	Ratio	Lower	Upper
98	100		
100	60.7	50.2	75.4



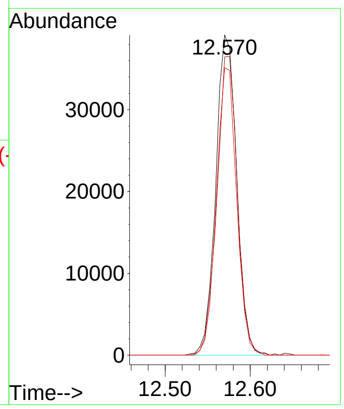
Instrument :
MSVOA_D
ClientSampleId :
TP-10

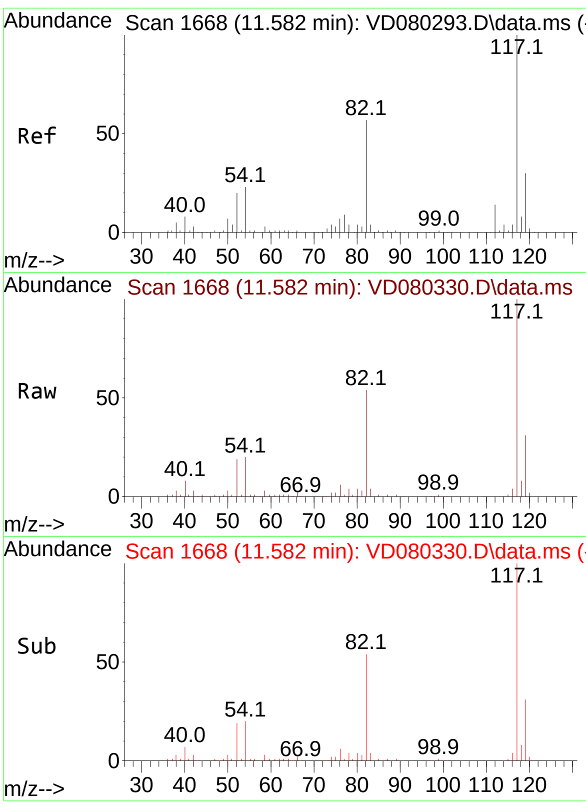


#62
4-Bromofluorobenzene
Concen: 44.938 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 95 Resp: 66832

Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	173.4
176	87.4	0.0	166.6

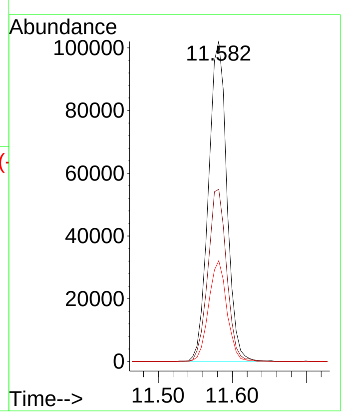




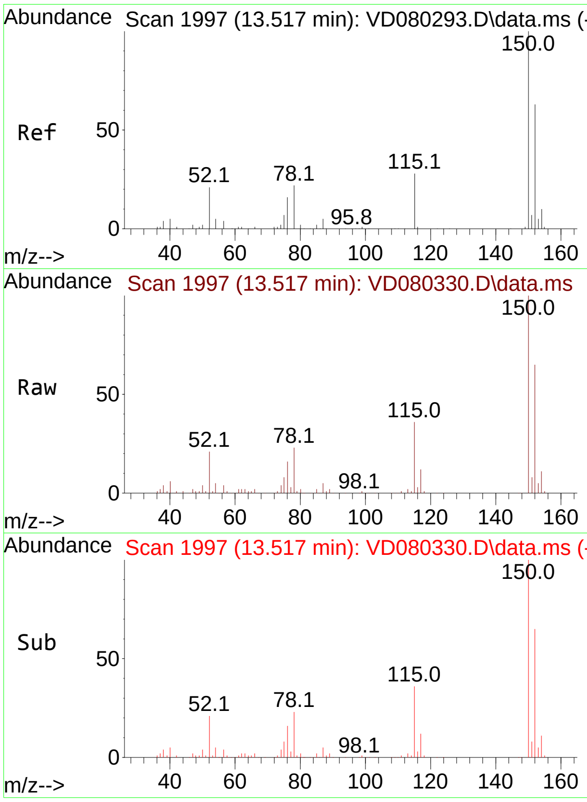
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:117 Resp: 176652

Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.8	68.6
119	31.5	26.2	39.2



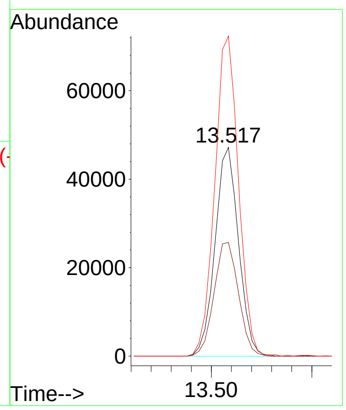
Instrument :
MSVOA_D
ClientSampleId :
TP-10



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:152 Resp: 76572

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.8
150	154.8	0.0	354.8



Sample Results: **VD080330.D**

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.800	505	515	524	rBV3	9939	32835	5.09%	1.039%
2	7.805	1015	1026	1032	rBV	100251	245402	38.00%	7.768%
3	7.876	1032	1038	1050	rVB2	88394	216394	33.51%	6.849%
4	8.235	1089	1099	1107	rBV	75116	177408	27.47%	5.615%
5	8.776	1182	1191	1204	rBV	209416	428820	66.41%	13.573%
6	10.270	1437	1445	1462	rBV	360934	645718	100.00%	20.438%
7	11.582	1660	1668	1677	rBV	311642	539172	83.50%	17.066%
8	12.570	1829	1836	1847	rBV	223878	382011	59.16%	12.091%
9	13.517	1990	1997	2003	rBV	279678	466759	72.29%	14.774%
10	14.046	2081	2087	2094	rVB2	14146	24820	3.84%	0.786%

Sum of corrected areas: 3159339

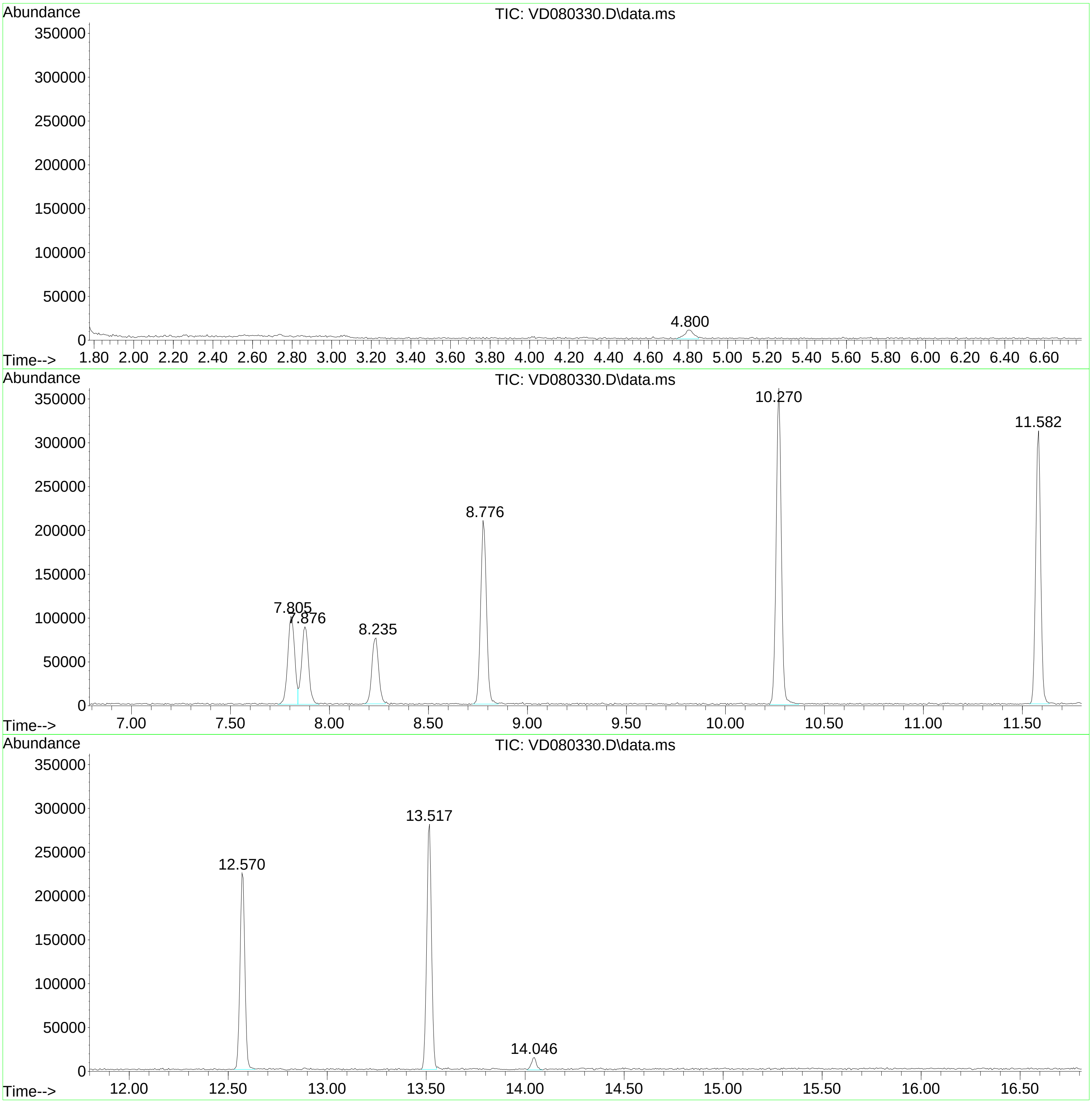
Sample Results: **VD080330.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On    : 14 May 2025  18:50
Operator  : RP/MD
Sample    : Q2010-01
Misc      : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_D
ClientSampleId :
TP-10



Library Search Compound Report

Sample Results: **VD080330.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On    : 14 May 2025  18:50
Operator  : RP/MD
Sample    : Q2010-01
Misc      : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_D
ClientSampleId :
TP-10

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.40	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	5.10	U	5.10	27.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	5.40	ug/Kg
78-93-3	2-Butanone	7.10	U	7.10	27.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.98	U	0.98	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.98	U	0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.0	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	ug/Kg

Raw Data: **VD080331.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	27.0	ug/Kg
124-48-1	Dibromochloromethane	0.94	U	0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.95	U	0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.8	ug/Kg
95-47-6	o-Xylene	0.89	U	0.89	5.40	ug/Kg
100-42-5	Styrene	0.77	U	0.77	5.40	ug/Kg
75-25-2	Bromoform	0.93	U	0.93	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	72.5		63 - 155	145%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		70 - 134	119%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68000	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	167000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	69300	13.517			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VD080331.D**

Instrument :
MSVOA_D
ClientSampleId :
TP-13

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On    : 14 May 2025  19:17
Operator  : RP/MD
Sample    : Q2010-02
Misc      : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial  : 16   Sample Multiplier: 1

Quant Time: May 15 03:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

        Compound                   R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
 Internal Standards
   1) Pentafluorobenzene          7.876  168    68027    50.000 ug/l     0.00
  34) 1,4-Difluorobenzene         8.776  114   175314    50.000 ug/l     0.00
  63) Chlorobenzene-d5           11.582  117   166929    50.000 ug/l     0.00
  72) 1,4-Dichlorobenzene-d4     13.517  152    69324    50.000 ug/l     0.00

 System Monitoring Compounds
  33) 1,2-Dichloroethane-d4       8.235   65    63775    72.496 ug/l    0.00
   Spiked Amount     50.000   Range  50 - 163    Recovery    =  145.000%
  35) Dibromofluoromethane        7.811  113    69814    59.415 ug/l    0.00
   Spiked Amount     50.000   Range  54 - 147    Recovery    =  118.840%
  50) Toluene-d8                 10.270   98   232081    50.129 ug/l    0.00
   Spiked Amount     50.000   Range  58 - 134    Recovery    =  100.260%
  62) 4-Bromofluorobenzene       12.570   95    62980    42.382 ug/l    0.00
   Spiked Amount     50.000   Range  30 - 143    Recovery    =   84.760%

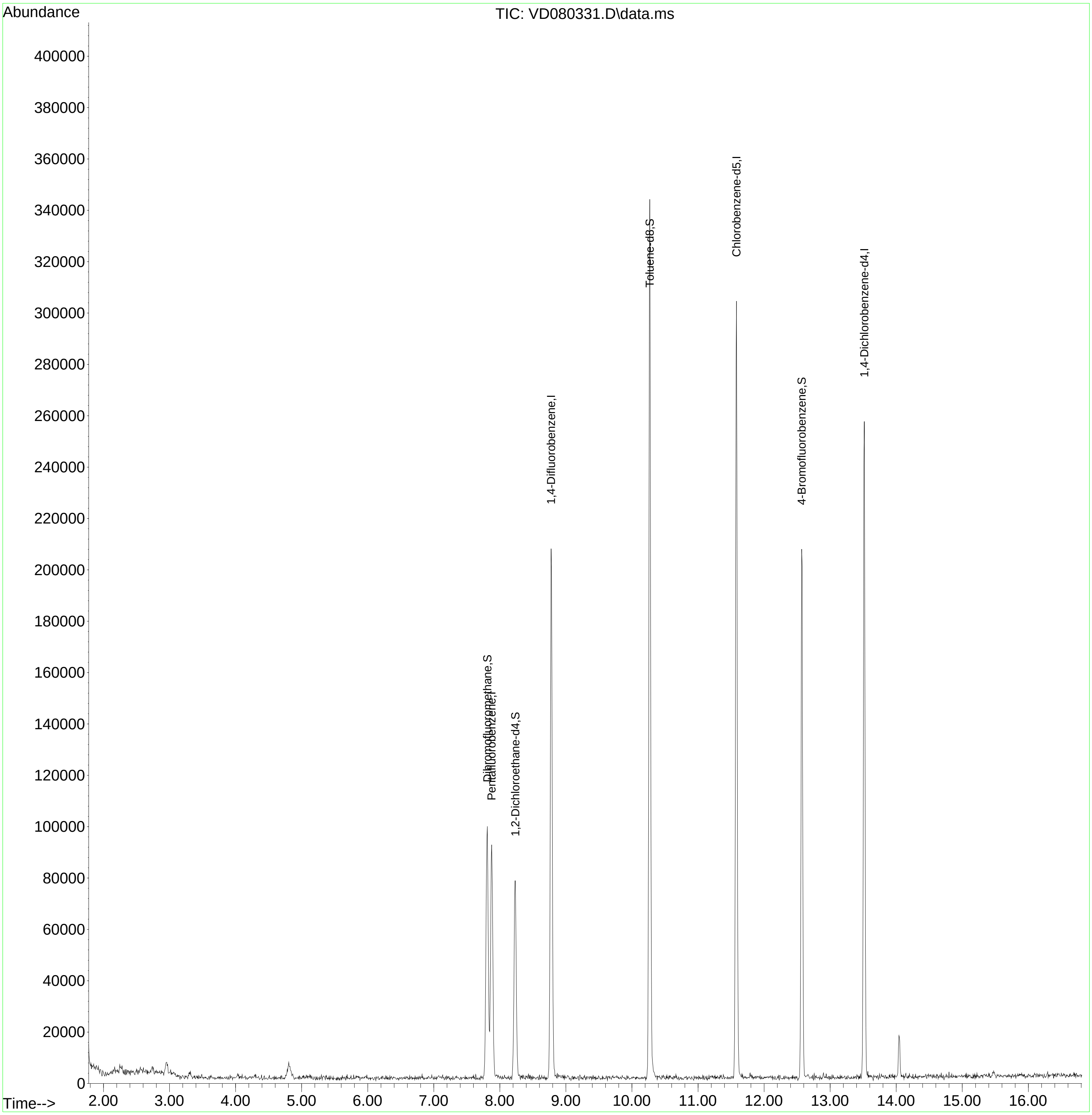
 Target Compounds                                                  Qvalue
 --------------------------------------------------------------------------

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

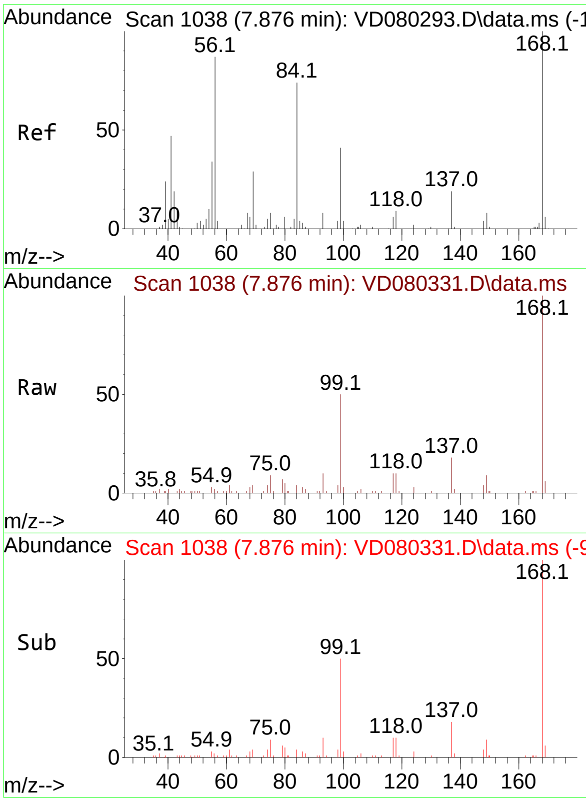
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Time: May 15 03:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



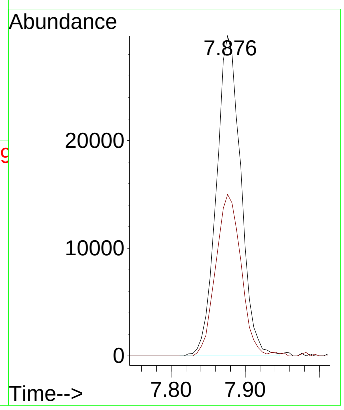
Instrument :
MSVOA_D
ClientSampleId :
TP-13

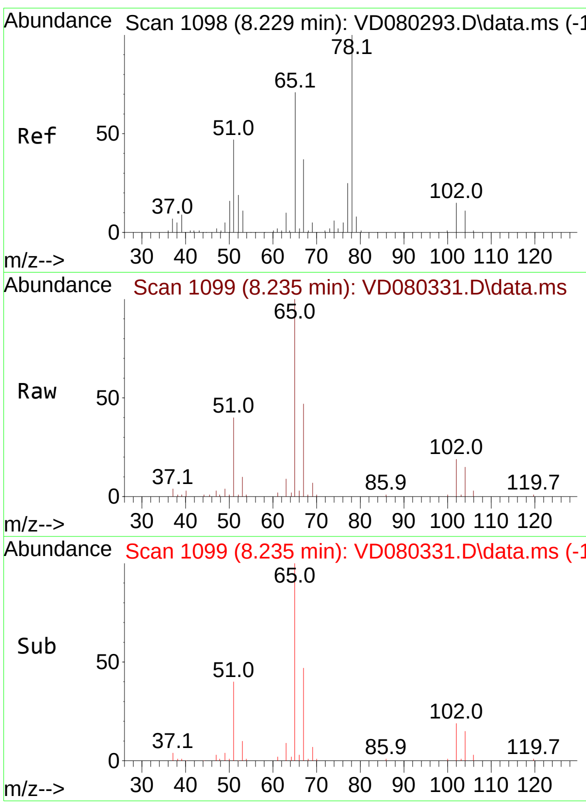


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:168 Resp: 68027

Ion	Ratio	Lower	Upper
168	100		
99	50.5	46.0	69.0

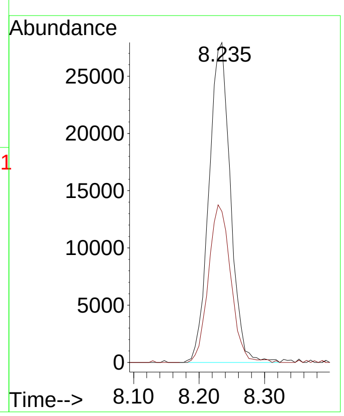




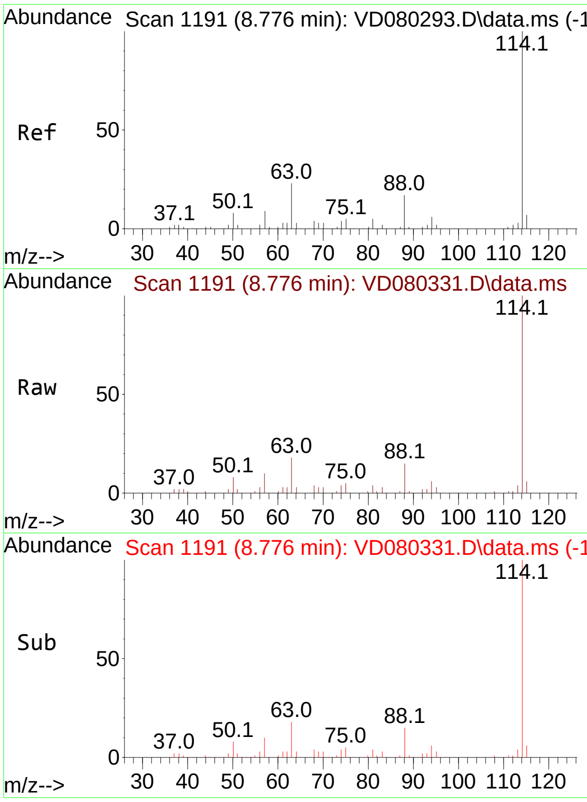
#33
1,2-Dichloroethane-d4
Concen: 72.496 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 65 Resp: 63775

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.2



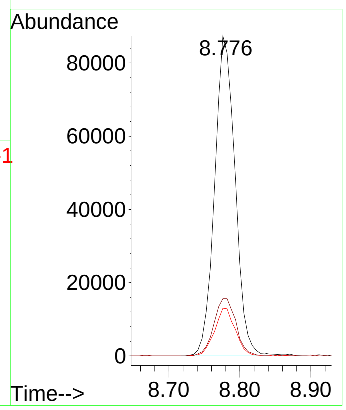
Instrument :
MSVOA_D
ClientSampleId :
TP-13

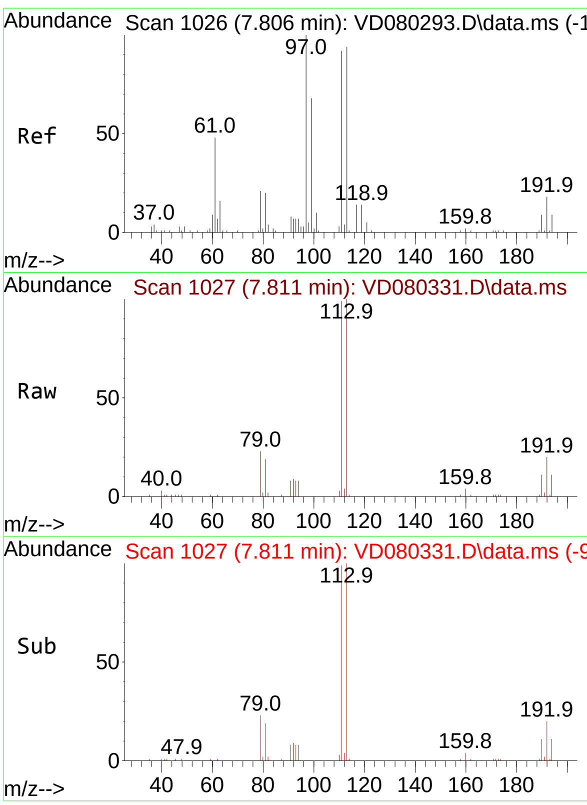


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:114 Resp: 175314

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.8
88	14.9	0.0	30.6

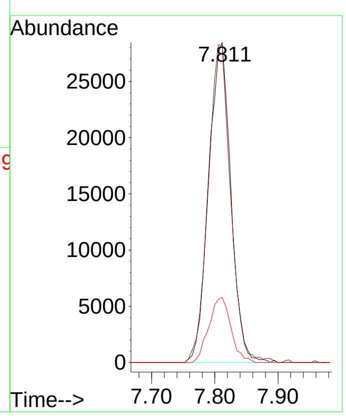




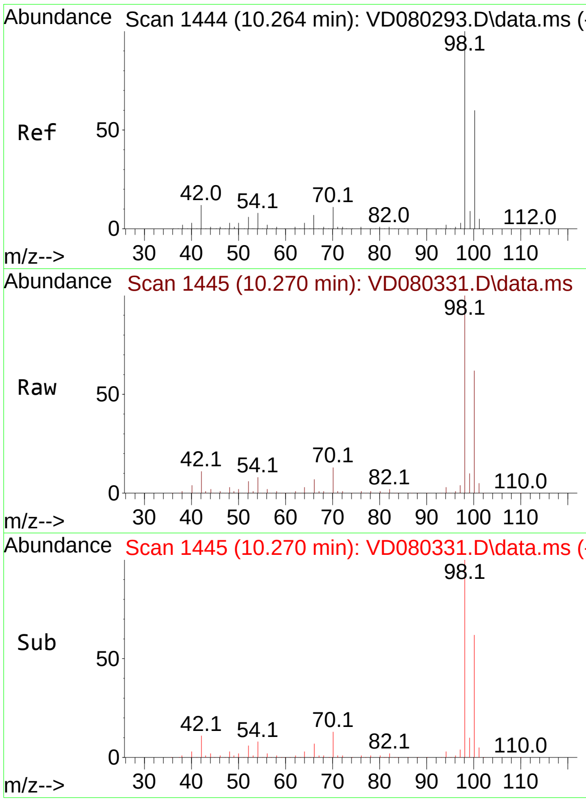
#35
Dibromofluoromethane
Concen: 59.415 ug/l
RT: 7.811 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:113 Resp: 69814

Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.5	123.7
192	20.1	16.6	25.0



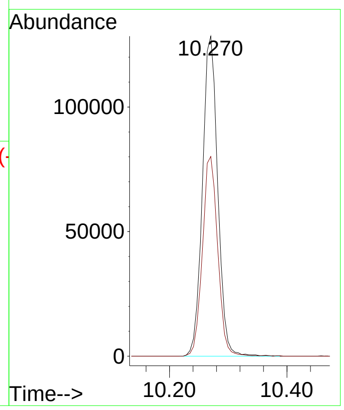
Instrument :
MSVOA_D
ClientSampleId :
TP-13

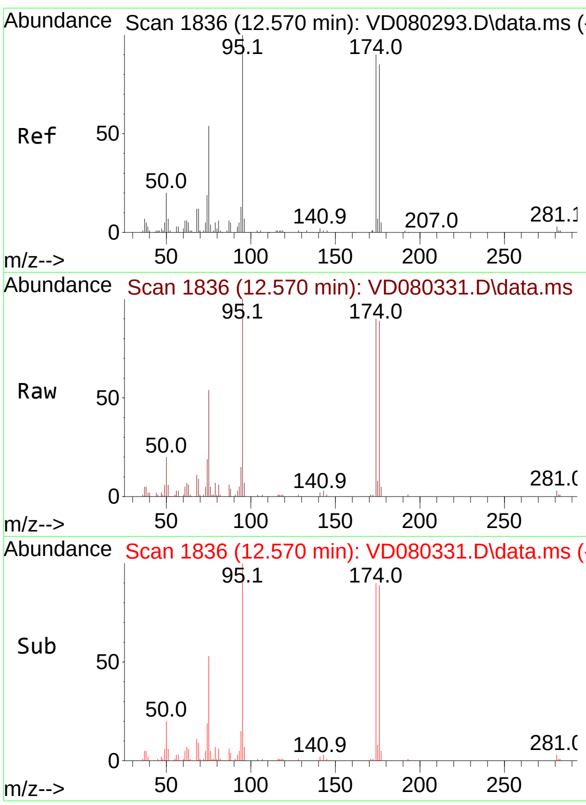


#50
Toluene-d8
Concen: 50.129 ug/l
RT: 10.270 min   Scan# 14
Delta R.T.   0.001 min
Lab File: VD080331.D
Acq: 14 May 2025   19:17

Tgt Ion: 98 Resp: 232081

Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.2	75.4

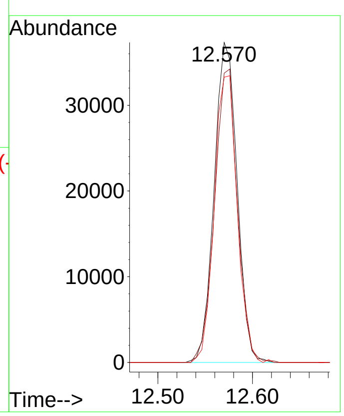




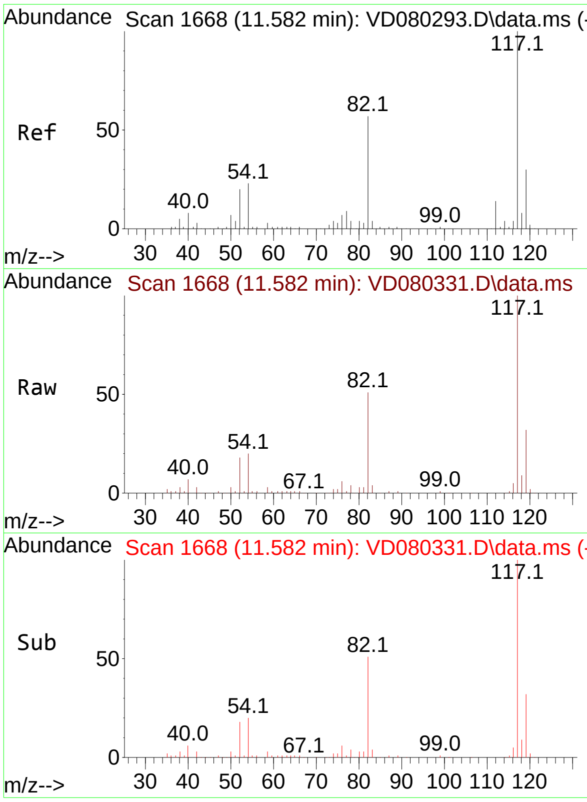
#62
4-Bromofluorobenzene
Concen: 42.382 ug/l
RT: 12.570 min   Scan# 1836
Delta R.T.   0.001 min
Lab File: VD080331.D
Acq: 14 May 2025   19:17

Tgt Ion: 95 Resp: 62980

Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	173.4
176	89.7	0.0	166.6



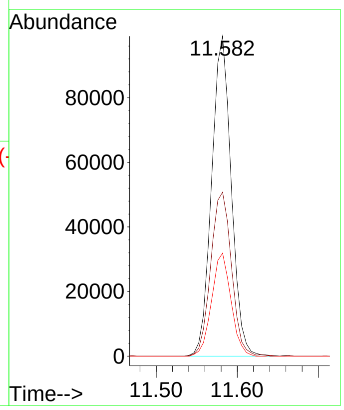
Instrument :
MSVOA_D
ClientSampleId :
TP-13

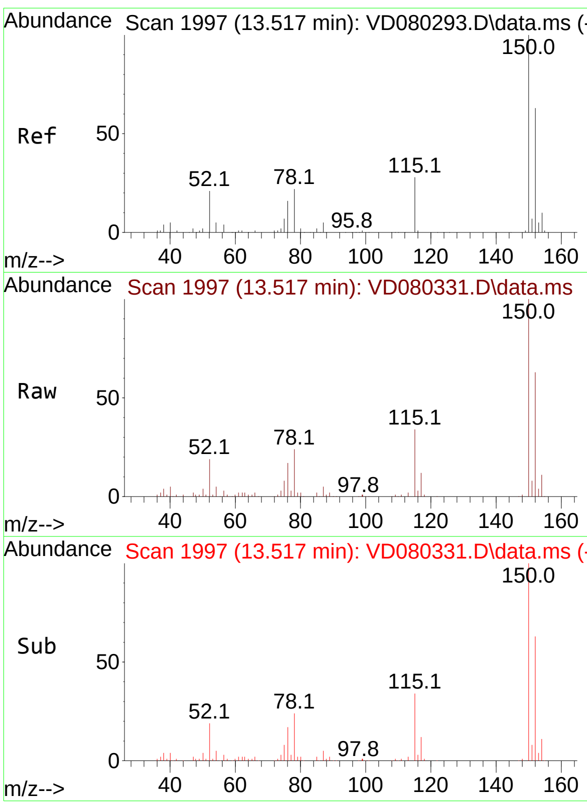


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min   Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:117 Resp: 166929

Ion	Ratio	Lower	Upper
117	100		
82	51.2	45.8	68.6
119	32.2	26.2	39.2

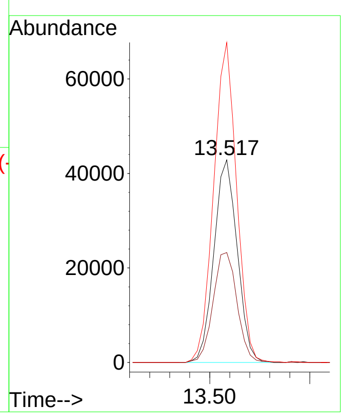




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min   Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:152 Resp: 69324

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.9	86.8
150	155.5	0.0	354.8



Sample Results: **VD080331.D**

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080331.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.959	194	202	206	rBV4	5037	13252	2.12%	0.436%
2	4.806	505	516	518	rBV3	6503	14470	2.32%	0.476%
3	7.811	1016	1027	1033	rBV2	98381	246933	39.59%	8.119%
4	7.876	1033	1038	1048	rVB	90296	203976	32.70%	6.706%
5	8.235	1090	1099	1108	rBV	77409	185580	29.75%	6.101%
6	8.776	1180	1191	1201	rBV	206599	421983	67.65%	13.874%
7	10.270	1436	1445	1460	rBV	342593	623783	100.00%	20.509%
8	11.582	1660	1668	1680	rBV	302646	520838	83.50%	17.124%
9	12.570	1826	1836	1843	rBV	206937	359022	57.56%	11.804%
10	13.517	1989	1997	2005	rBV	255869	424333	68.03%	13.951%
11	14.041	2080	2086	2092	rBV3	16101	27384	4.39%	0.900%

Sum of corrected areas: 3041554

LSC Report - Integrated Chromatogram

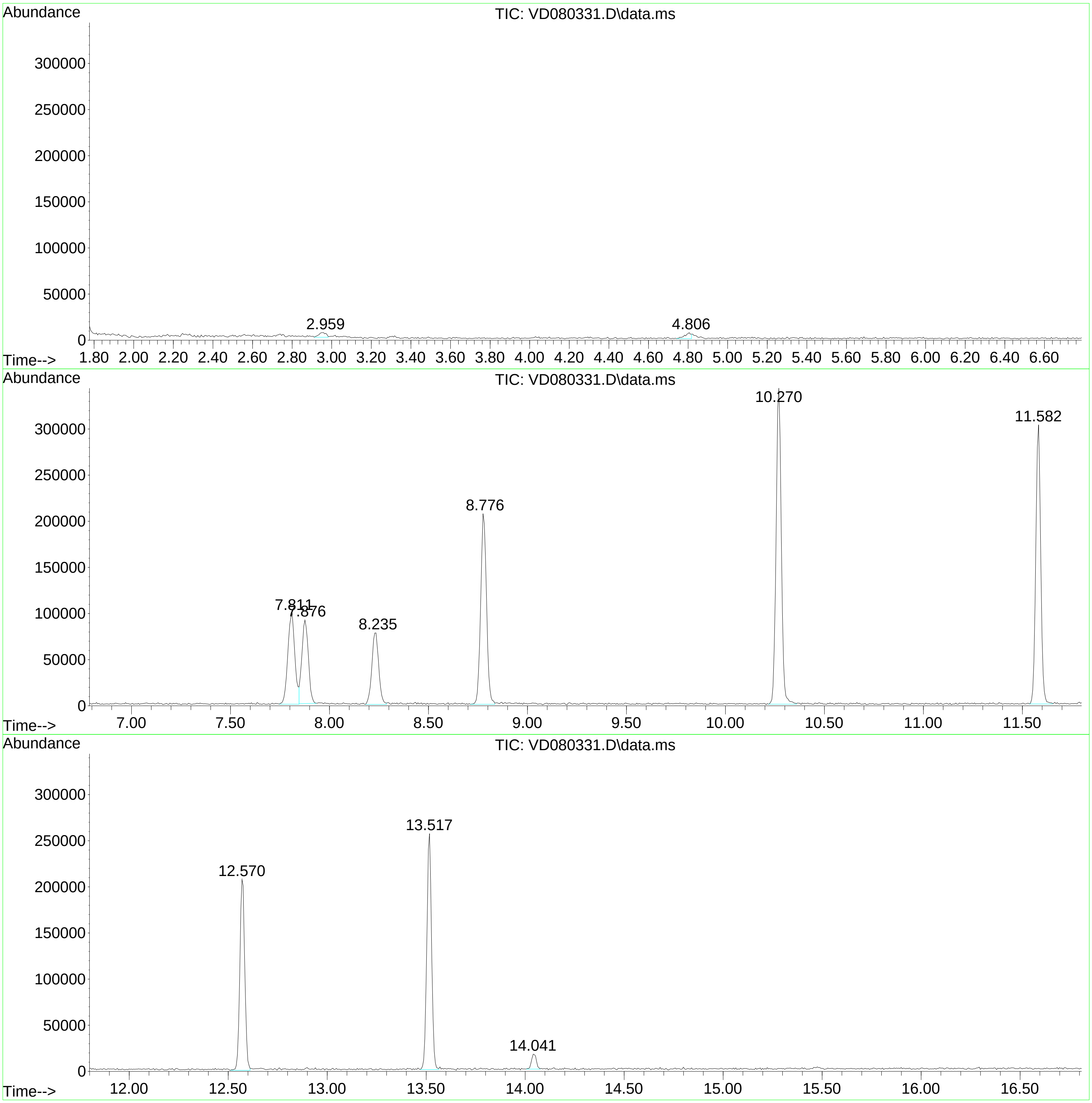
Sample Results: **VD080331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VD080331.D**

Instrument :
MSVOA_D
ClientSampleId :
TP-13

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On    : 14 May 2025  19:17
Operator  : RP/MD
Sample    : Q2010-02
Misc      : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

No Library Search Compounds Detected
****

Sample Results: **VD080331.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On    : 14 May 2025  19:17
Operator  : RP/MD
Sample    : Q2010-02
Misc      : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_D
ClientSampleId :
TP-13

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc

Raw Data: **VY022291.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	U	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	10.8	J	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

Raw Data: **VY022291.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		38 - 136	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	485000	8.616			
3114-55-4	Chlorobenzene-d5	404000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.347			

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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)

Sample Results: **VY022291.D**

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On    : 16 May 2025  15:15
Operator  : SY/MD
Sample    : Q2010-03
Misc      : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial  : 16   Sample Multiplier: 1

Quant Time: May 17 01:34:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

       Compound                   R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
 Internal Standards
   1) Pentafluorobenzene         7.707  168   268422    50.000 ug/l     0.00
  34) 1,4-Difluorobenzene        8.616  114   485395    50.000 ug/l     0.00
  63) Chlorobenzene-d5          11.414  117   403756    50.000 ug/l     0.00
  72) 1,4-Dichlorobenzene-d4    13.347  152   155516    50.000 ug/l     0.00

 System Monitoring Compounds
  33) 1,2-Dichloroethane-d4      8.061   65   164222    55.980 ug/l    0.00
   Spiked Amount     50.000   Range  50 - 163    Recovery    =  111.960%
  35) Dibromofluoromethane       7.634  113   151447    52.275 ug/l    0.00
   Spiked Amount     50.000   Range  54 - 147    Recovery    =  104.540%
  50) Toluene-d8                10.103   98   586282    49.411 ug/l    0.00
   Spiked Amount     50.000   Range  58 - 134    Recovery    =   98.820%
  62) 4-Bromofluorobenzene      12.402   95   161355    42.903 ug/l    0.00
   Spiked Amount     50.000   Range  30 - 143    Recovery    =   85.800%

 Target Compounds                                                 Qvalue
  16) Acetone                    3.867   43     6913    12.567 ug/l      95
 --------------------------------------------------------------------------

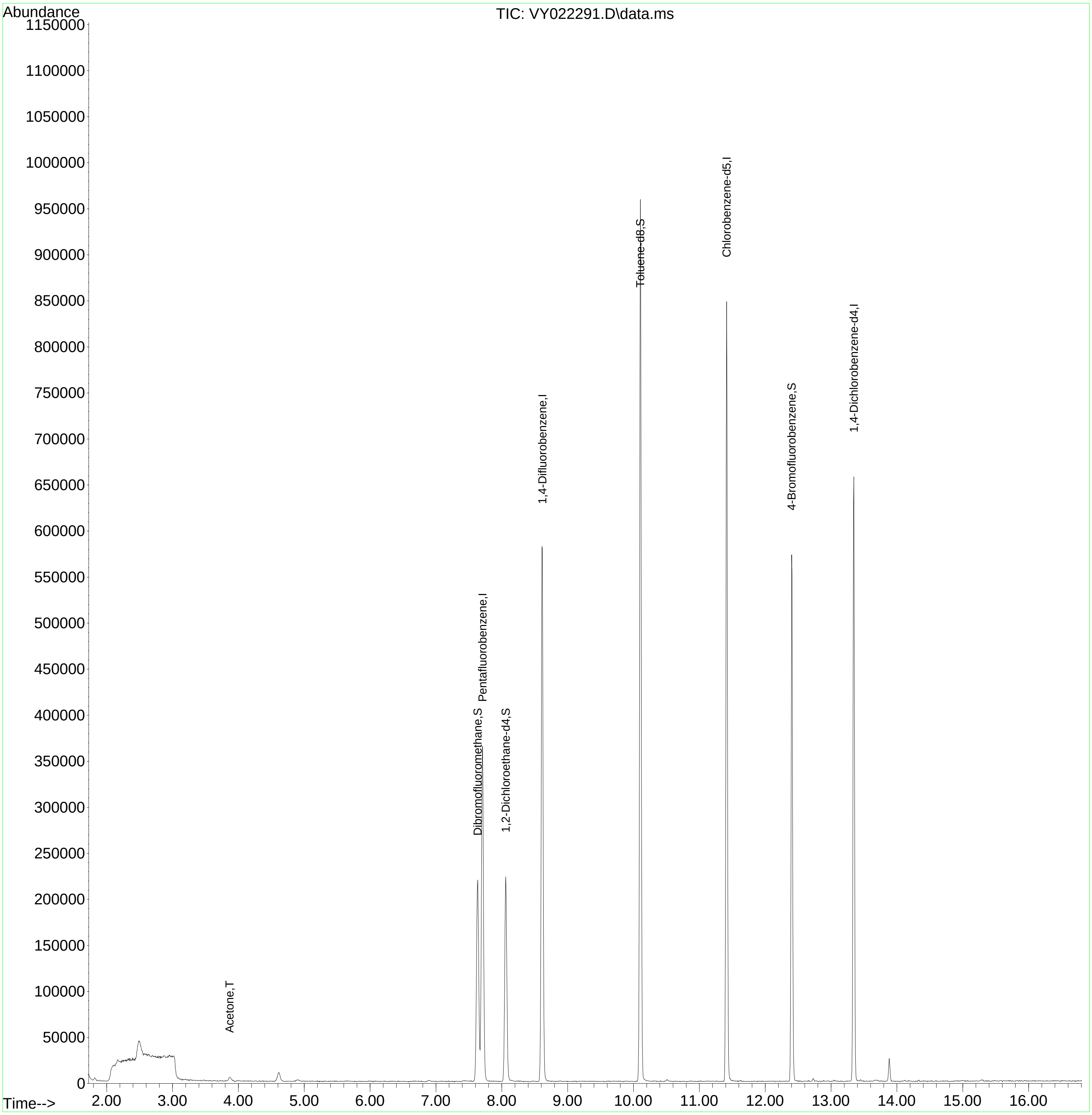
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

Sample Results: **VY022291.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On   : 16 May 2025 15:15
Operator : SY/MD
Sample   : Q2010-03
Misc   : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16   Sample Multiplier: 1

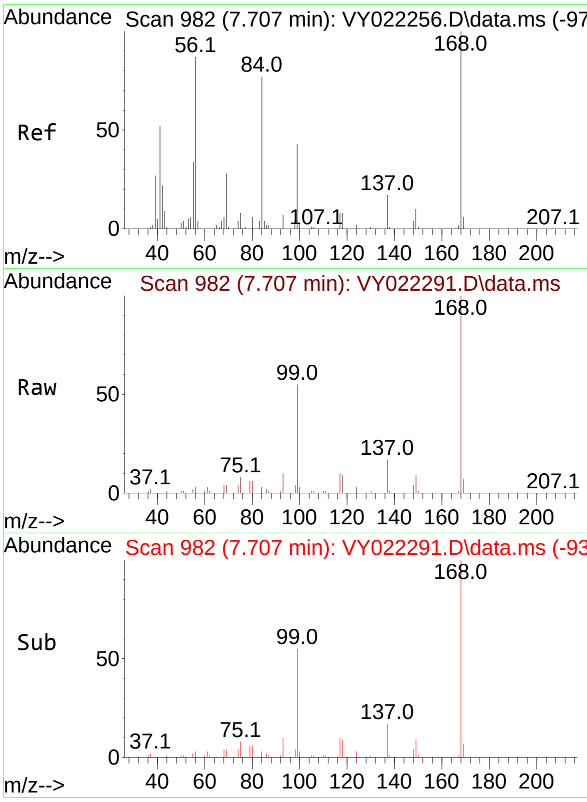
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Time: May 17 01:34:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



Sample Results: **VY022291.D**

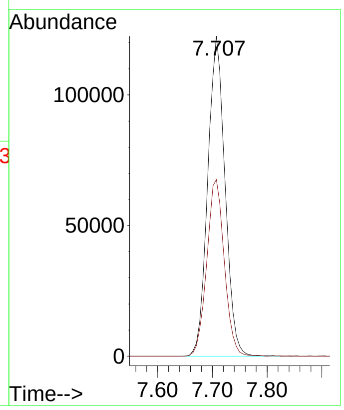
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

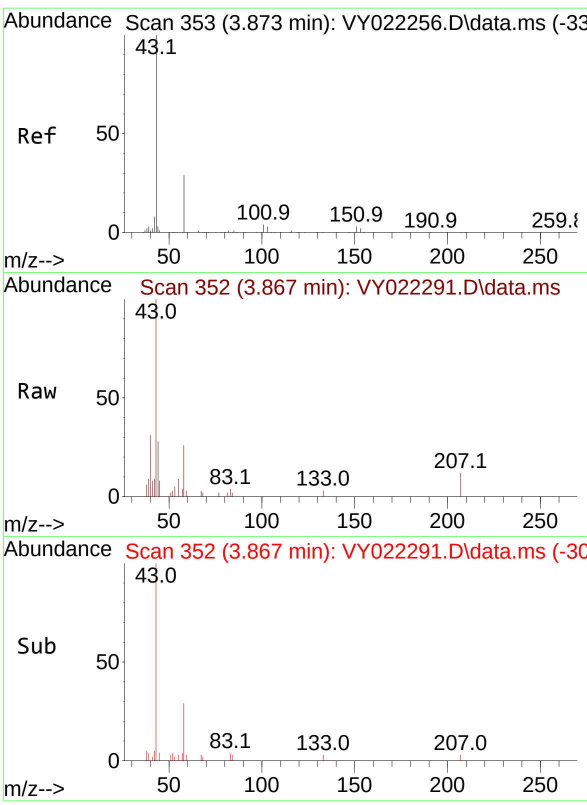


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min   Scan# 98
Delta R.T.   0.000 min
Lab File: VY022291.D
Acq: 16 May 2025   15:15

Tgt Ion:168 Resp: 268422

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4

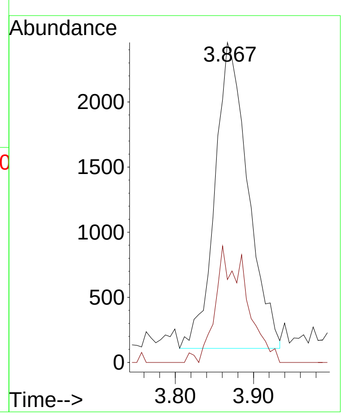




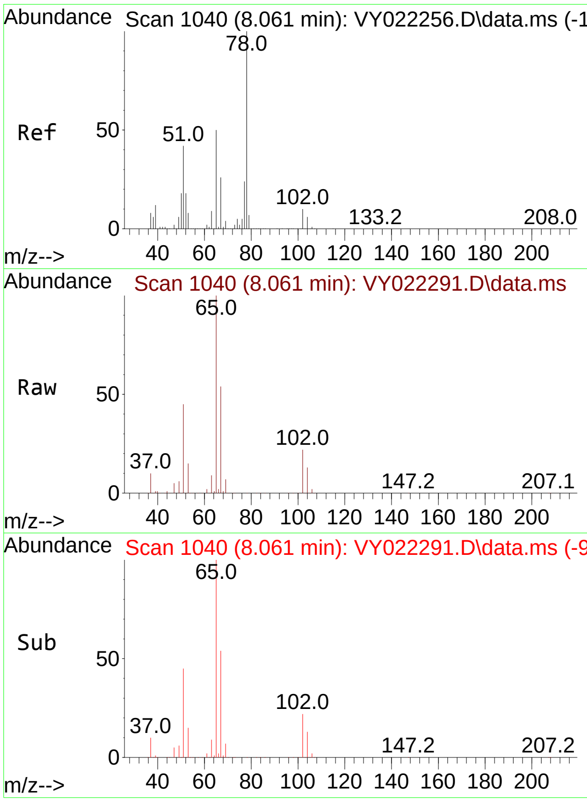
#16
Acetone
Concen: 12.567 ug/l
RT: 3.867 min   Scan# 352
Delta R.T.   -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025   15:15

Tgt Ion: 43 Resp: 6913

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.6	35.4



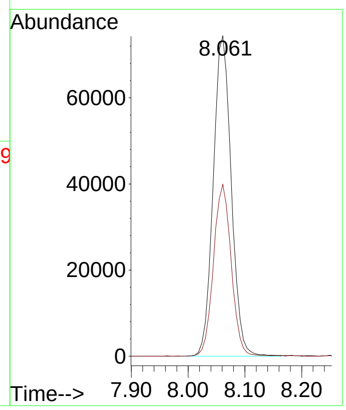
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

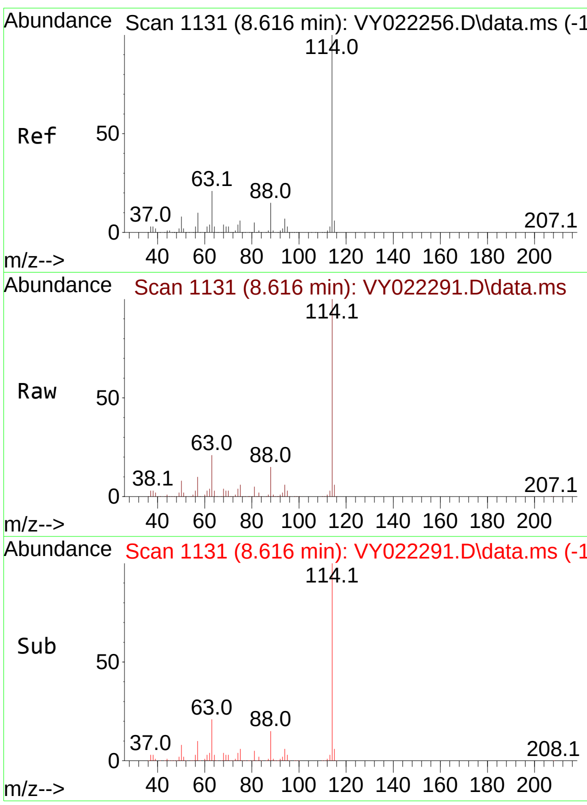


#33
1,2-Dichloroethane-d4
Concen: 55.980 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 65 Resp: 164222

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

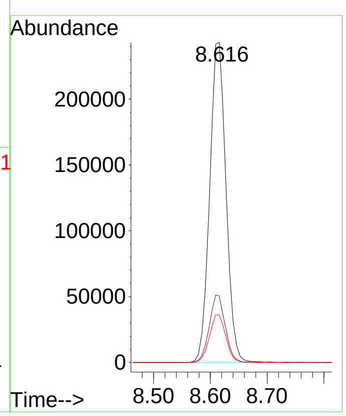




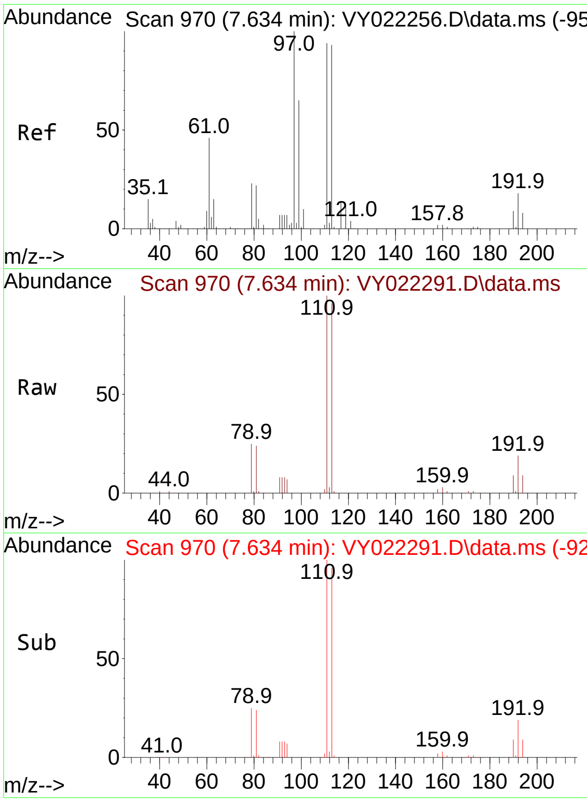
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:114 Resp: 485395

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.7	0.0	29.4



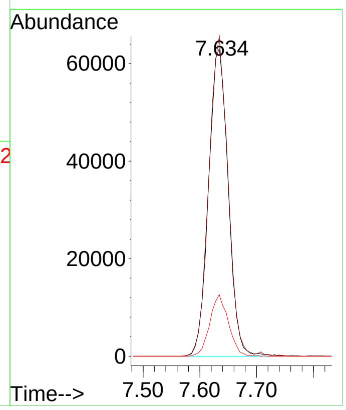
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

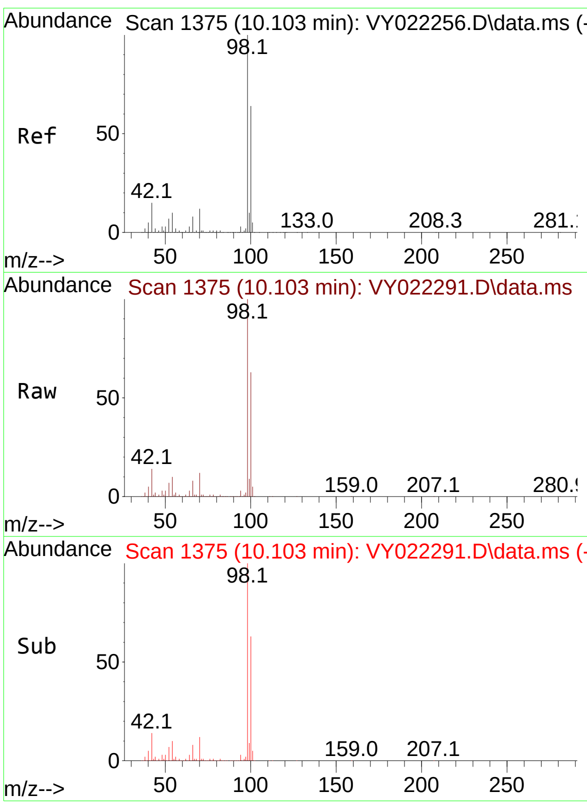


#35
Dibromofluoromethane
Concen: 52.275 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:113 Resp: 151447

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	19.0	15.2	22.8

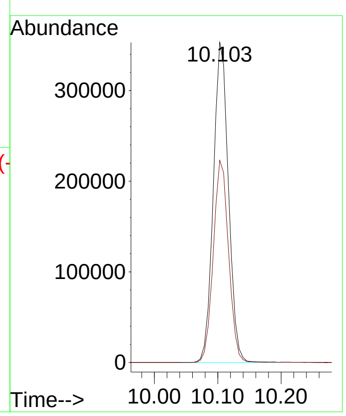




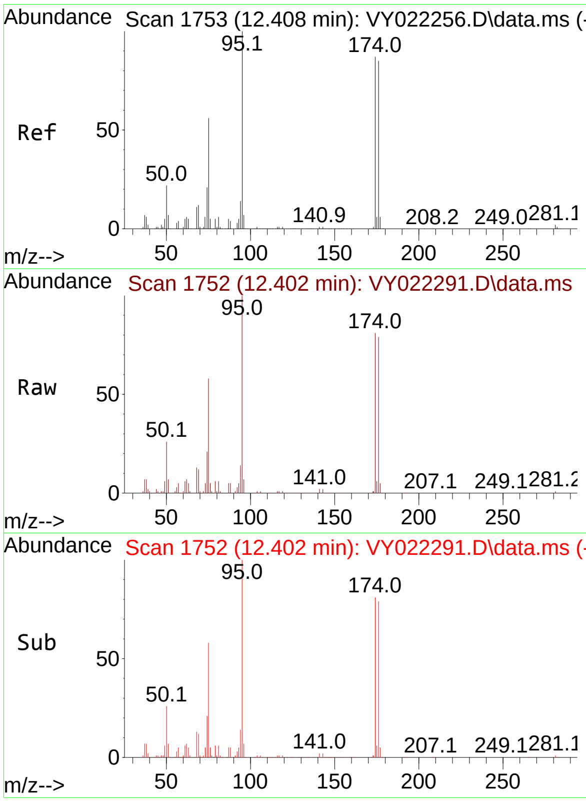
#50
Toluene-d8
Concen: 49.411 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 98 Resp: 586282

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



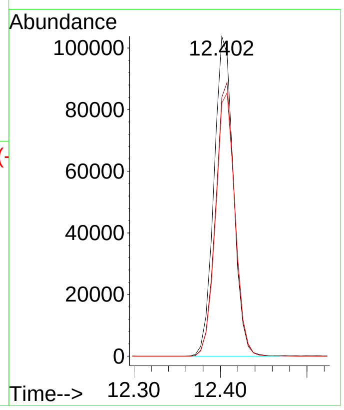
Instrument : MSVOA_Y
ClientSampleId : TP-14

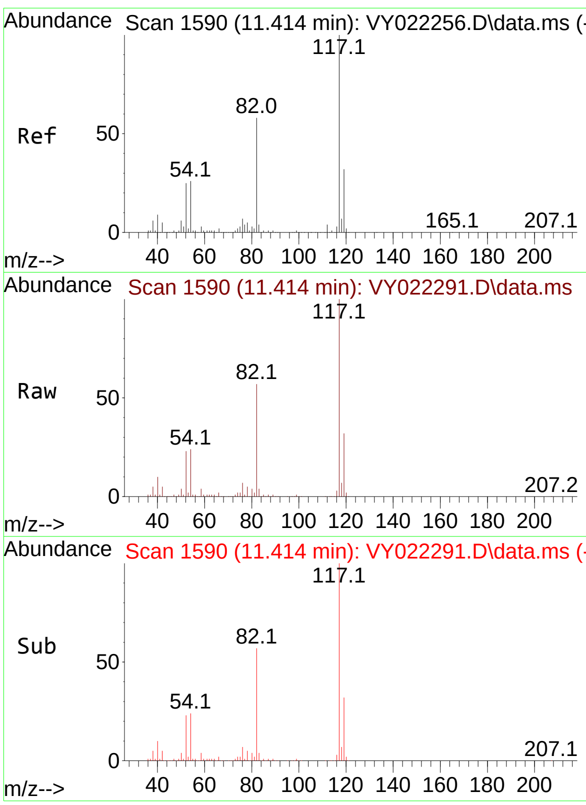


#62
4-Bromofluorobenzene
Concen: 42.903 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 95 Resp: 161355

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	166.8
176	82.4	0.0	160.8

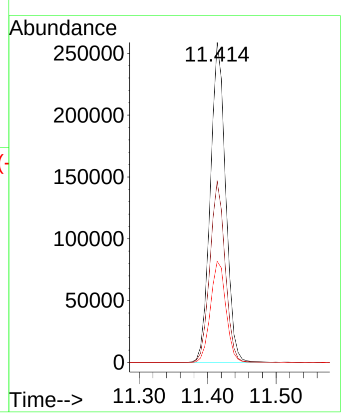


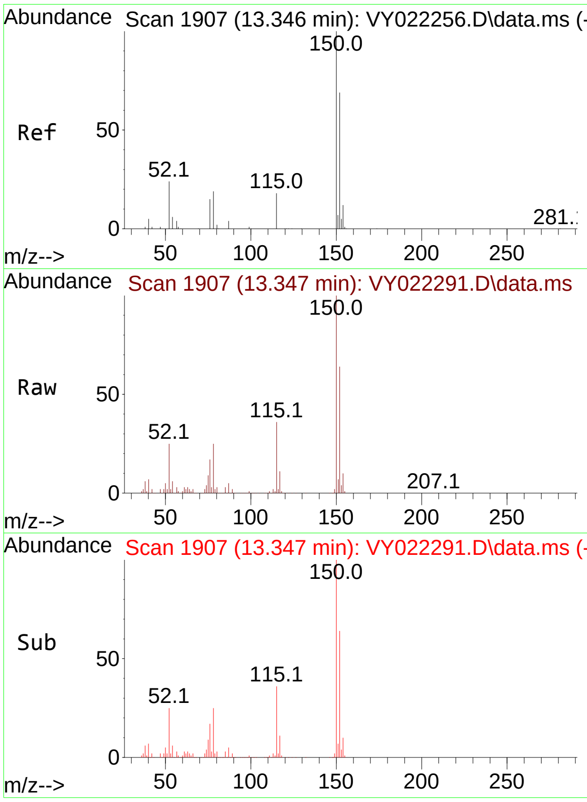


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:117 Resp: 403756

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.6	70.0
119	31.6	25.8	38.6



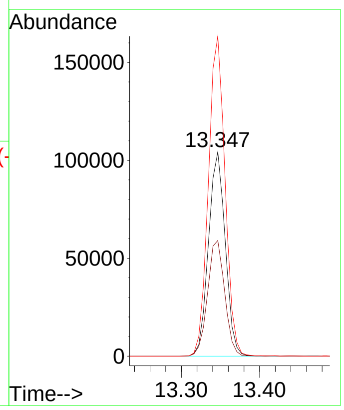


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:152 Resp: 155516

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	155.8	0.0	353.8



Sample Results: **VY022291.D**

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022291.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.099	45	62	63	rBV7	17187	52675	3.28%	0.656%
2	2.489	119	126	137	rBV5	18276	71836	4.48%	0.895%
3	4.610	464	474	483	rBV3	10008	30658	1.91%	0.382%
4	7.634	958	970	976	rBV	219086	527833	32.89%	6.573%
5	7.707	976	982	998	rVB	363802	802754	50.02%	9.997%
6	8.061	1029	1040	1051	rBV	222687	494779	30.83%	6.162%
7	8.610	1122	1130	1144	rBV	580597	1156212	72.04%	14.399%
8	10.103	1366	1375	1390	rBV	958282	1604906	100.00%	19.986%
9	11.414	1583	1590	1602	rBV	847129	1331652	82.97%	16.583%
10	12.402	1746	1752	1761	rBV	571941	906723	56.50%	11.292%
11	13.347	1898	1907	1915	rBV	656389	1011674	63.04%	12.599%
12	13.883	1989	1995	2002	rVB2	25051	38280	2.39%	0.477%

Sum of corrected areas: 8029982

LSC Report - Integrated Chromatogram

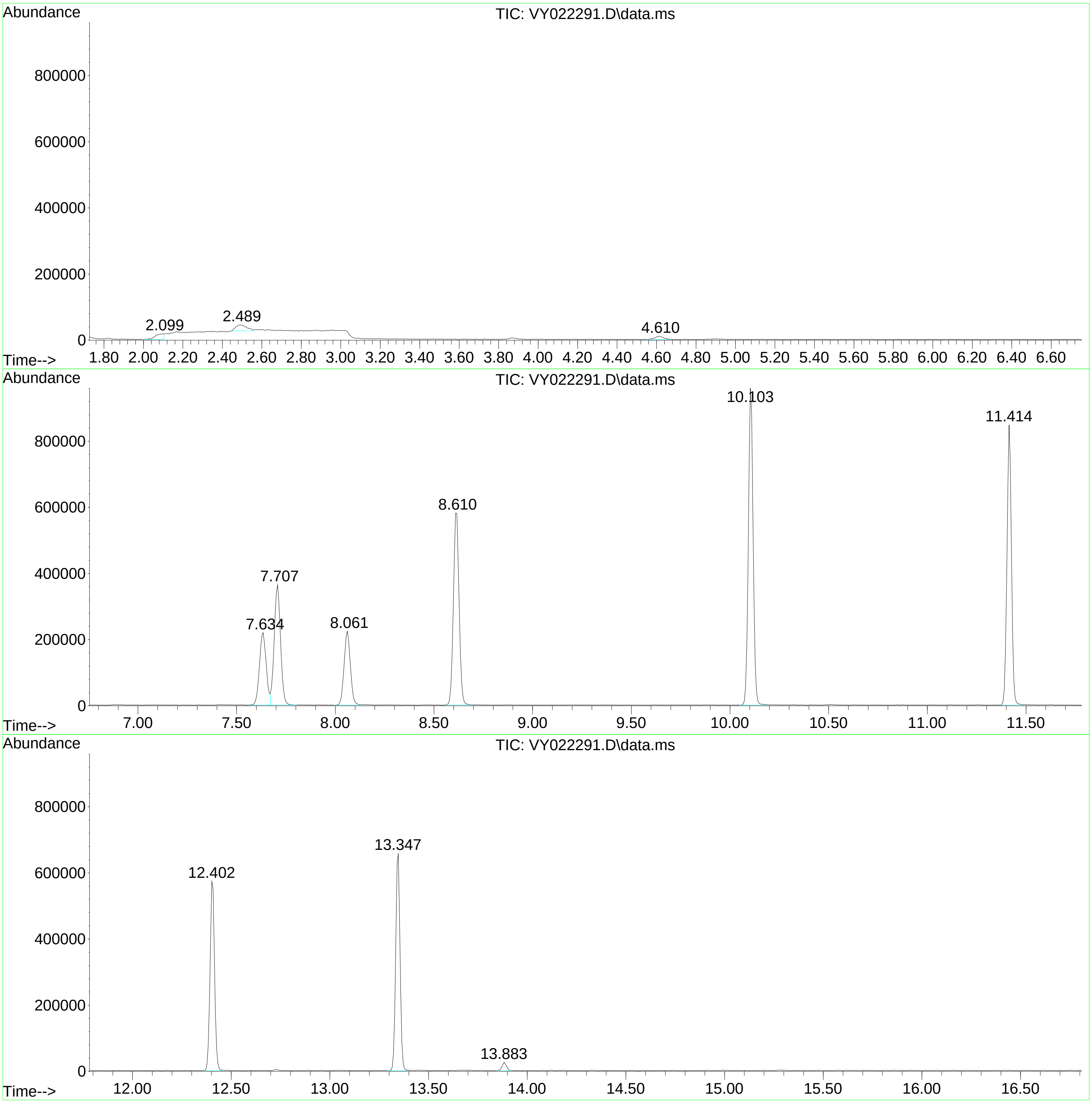
Sample Results: **VY022291.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022291.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Sample Results: **VY022291.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On    : 16 May 2025  15:15
Operator  : SY/MD
Sample    : Q2010-03
Misc      : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

TIC Top Hit name	RT	EstConc	Units	Response	# (Internal Standard)	RT (Internal Standard)	Resp (Internal Standard)	Conc (Internal Standard)

Raw Data: **VY022292.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.82	U	0.82	4.10	ug/Kg
67-64-1	Acetone	21.2		3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.83	J	0.75	4.10	ug/Kg
71-43-2	Benzene	6.90		0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.20	ug/Kg
95-47-6	o-Xylene	0.67	U	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.8		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	484000	8.609			
3114-55-4	Chlorobenzene-d5	388000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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)

Sample Results: **VY022292.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Time: May 17 01:34:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150003	51.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.634	113	147207	50.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.103	98	579549	48.974	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.401	95	152887	40.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.520%			
Target Compounds						Qvalue
16) Acetone	3.873	43	14163	25.757	ug/l	96
39) Methylcyclohexane	9.109	83	6416	1.003	ug/l	98
40) Benzene	8.079	78	117629	8.337	ug/l	95

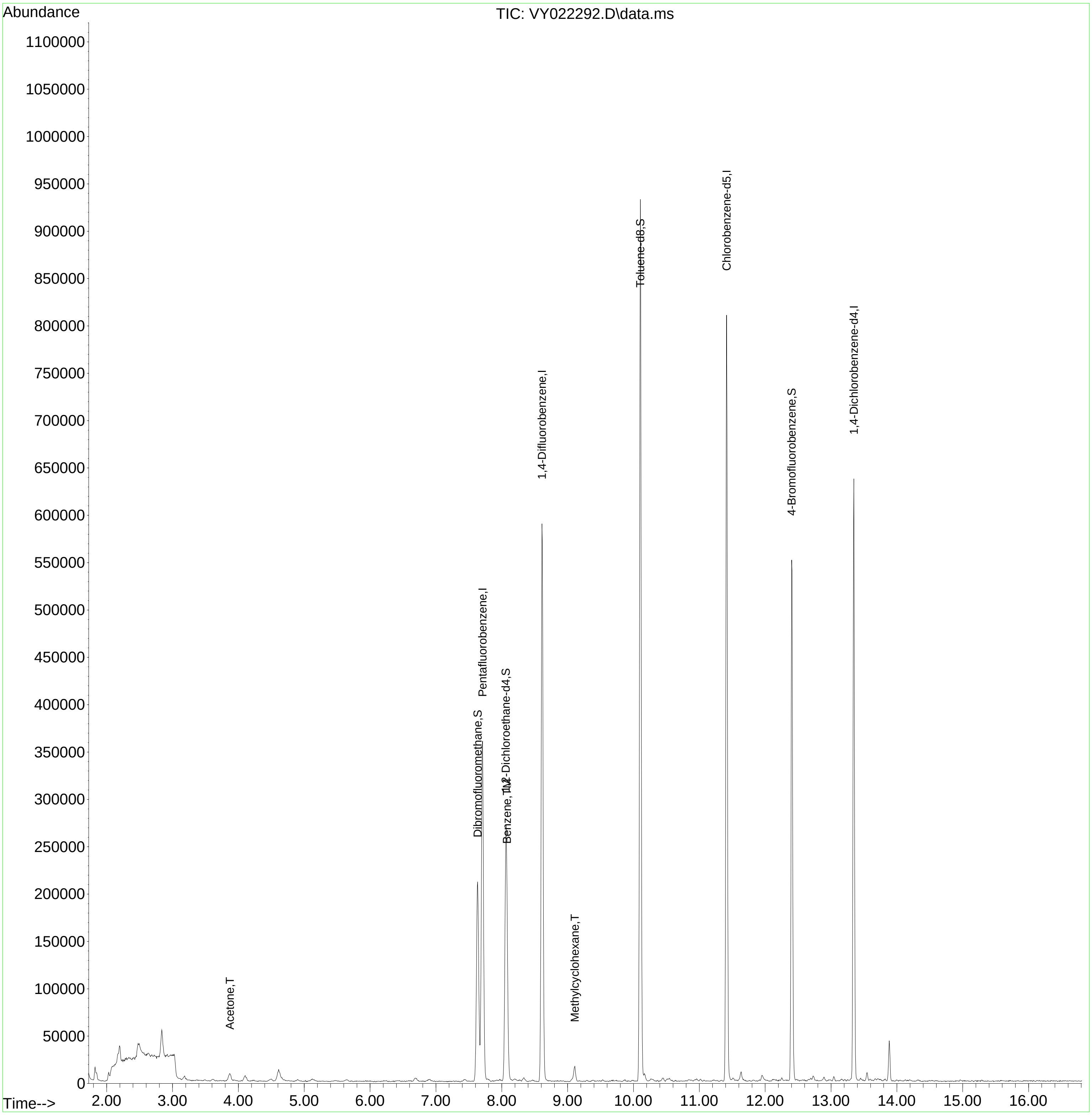
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VY022292.D**

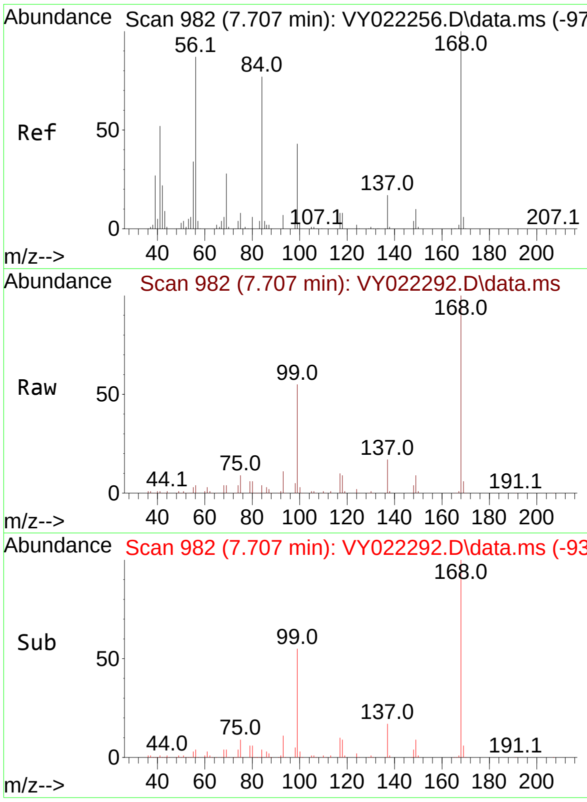
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On   : 16 May 2025 15:38
Operator : SY/MD
Sample   : Q2010-04
Misc   : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17   Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Time: May 17 01:34:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



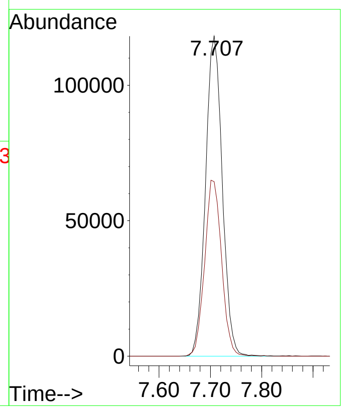
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

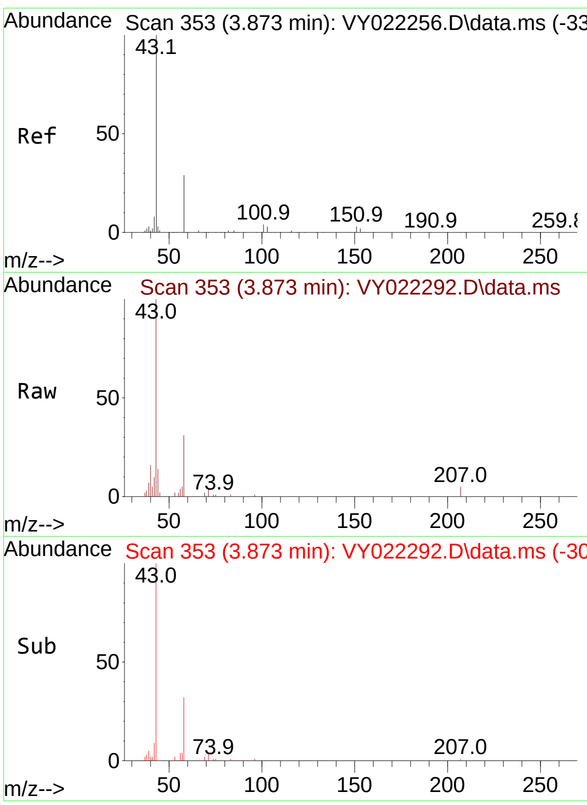


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion:168 Resp: 268322

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.2	66.4

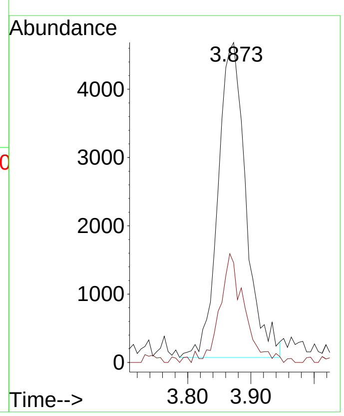




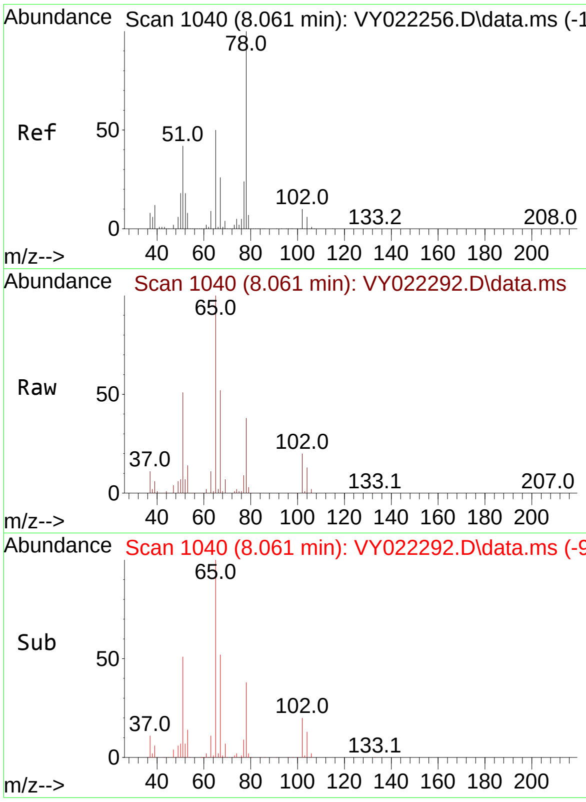
#16
Acetone
Concen: 25.757 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 43 Resp: 14163

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.6	35.4



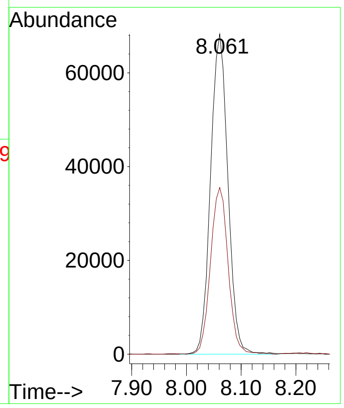
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

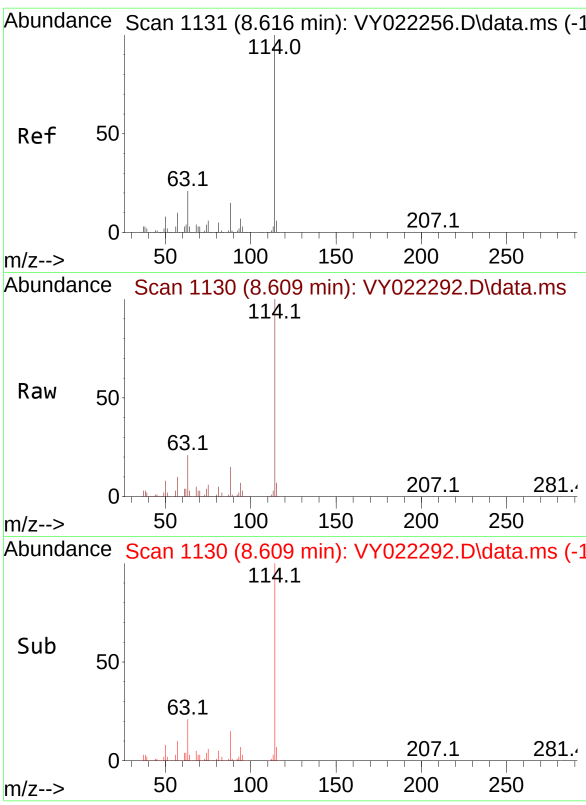


#33
1,2-Dichloroethane-d4
Concen: 51.152 ug/l
RT: 8.061 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025   15:38

Tgt Ion: 65 Resp: 150003

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6

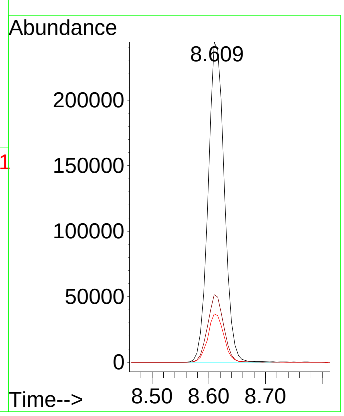




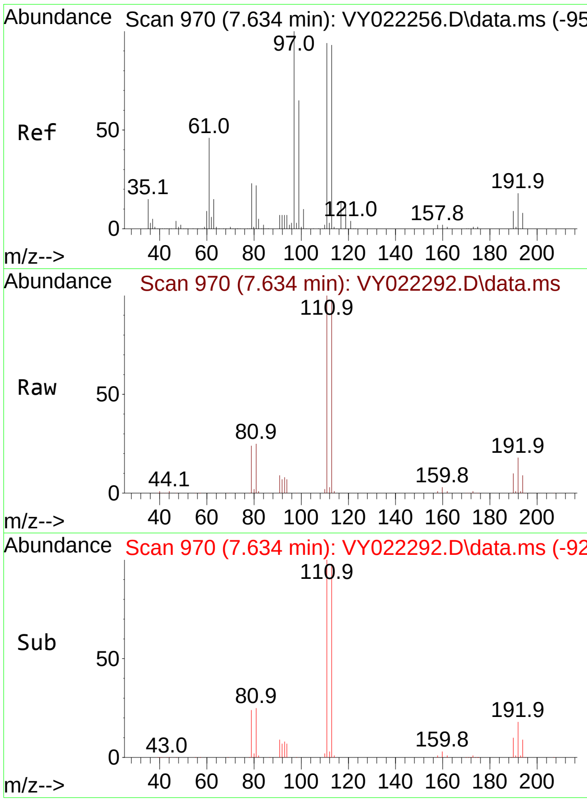
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min   Scan# 1130
Delta R.T.   -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025   15:38

Tgt Ion:114 Resp: 484104

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	15.1	0.0	29.4

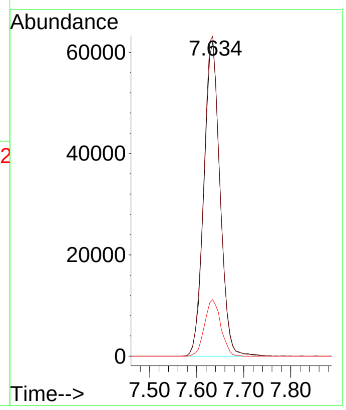


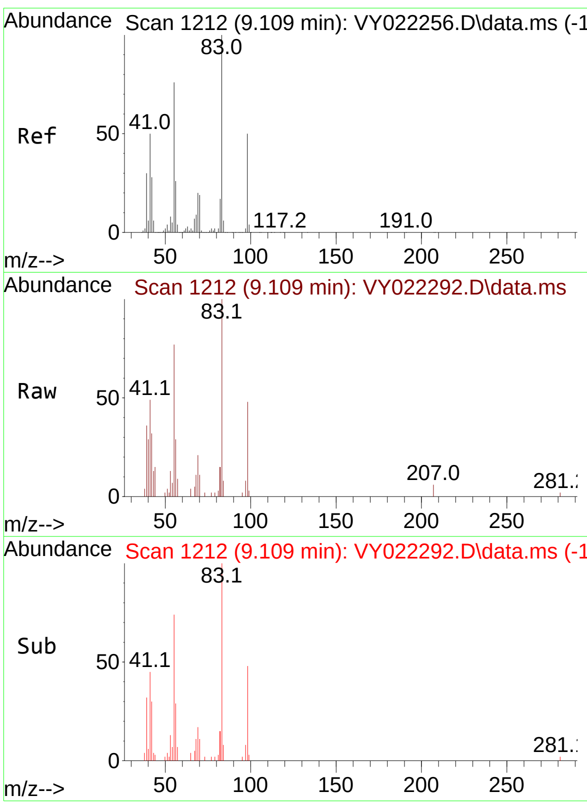
Instrument :
MSVOA_Y
ClientSampleId :
TP-17




```
#35
Dibromofluoromethane
Concen:    50.947 ug/l
RT:    7.634 min   Scan# 9
Delta R.T.   -0.000 min
Lab File:    VY022292.D
Acq: 16 May 2025   15:38

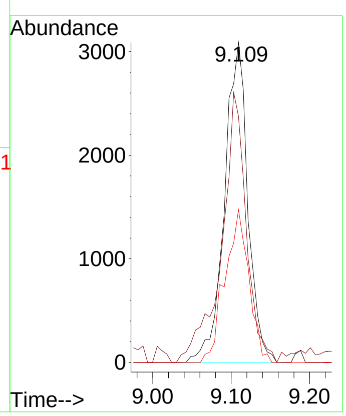
Tgt Ion:113 Resp:   147207
Ion   Ratio   Lower   Upper
113   100
111   102.2    82.6   123.8
192    18.2    15.2    22.8
```

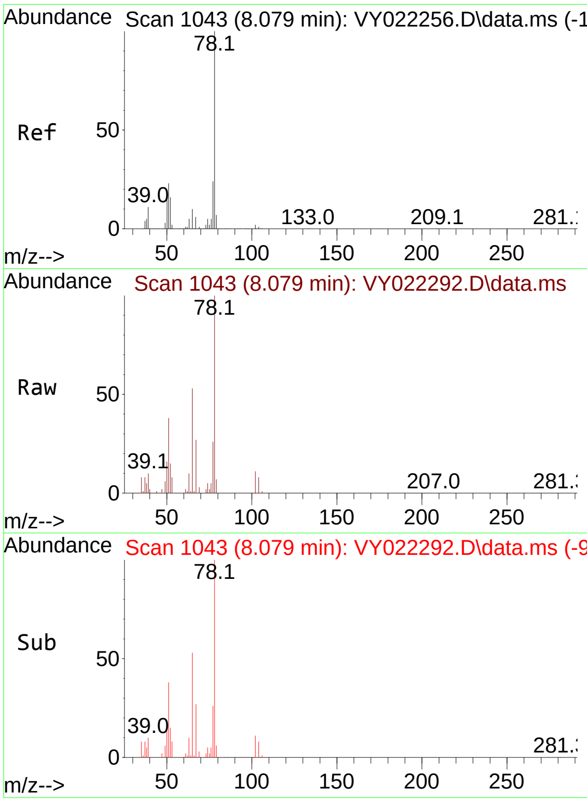





```
#39
Methylcyclohexane
Concen:     1.003 ug/l
RT:    9.109 min   Scan# 1212
Delta R.T.   -0.000 min
Lab File:    VY022292.D
Acq: 16 May 2025   15:38

Tgt Ion: 83 Resp:     6416
Ion   Ratio   Lower   Upper
 83   100
 55    74.5    60.6    90.8
 98    47.7    40.0    60.0
```



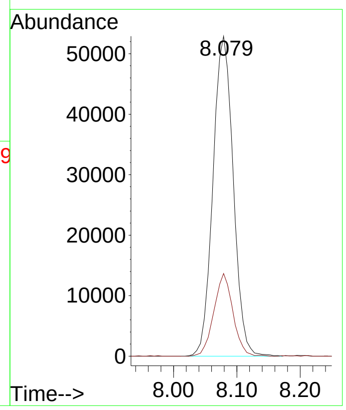


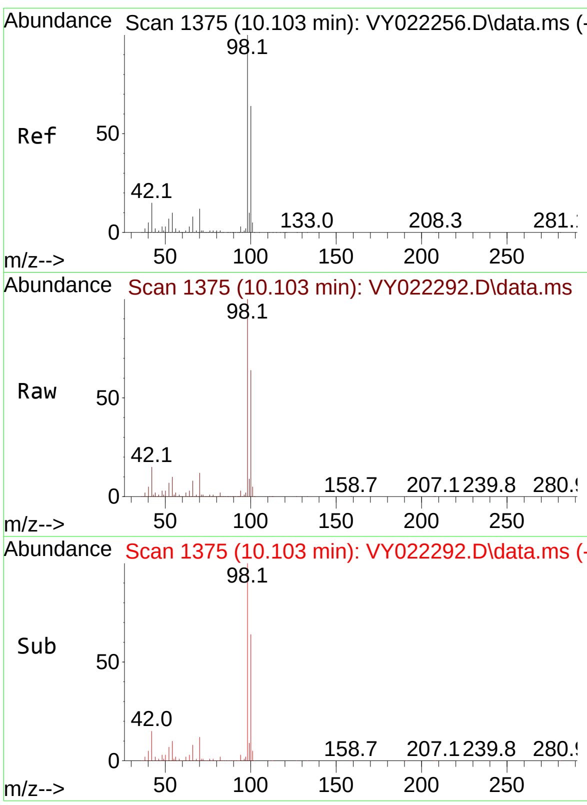
#40
Benzene
Concen: 8.337 ug/l
RT: 8.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 78 Resp: 117629

Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.9	28.3

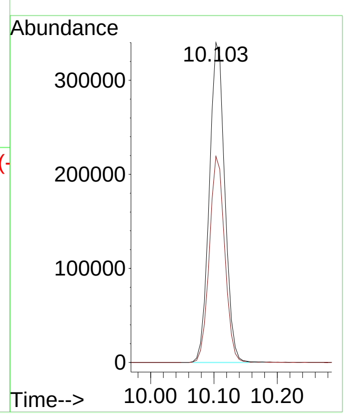




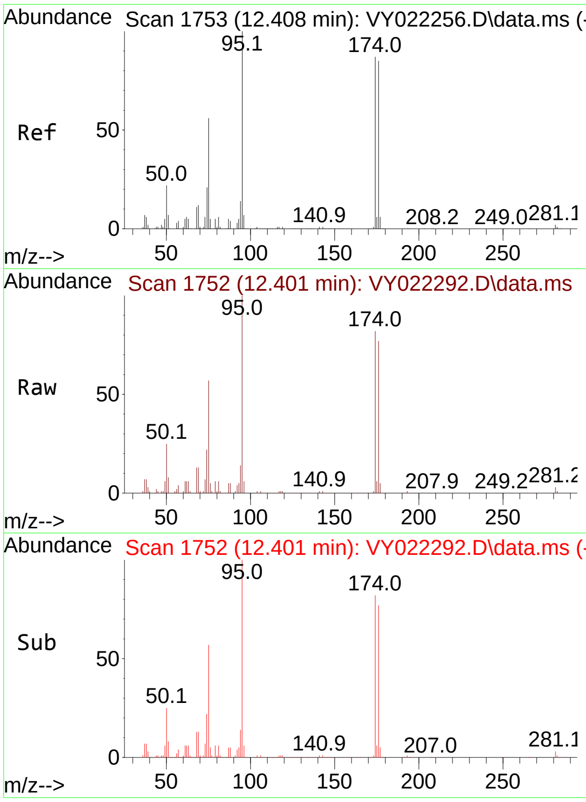
#50
Toluene-d8
Concen: 48.974 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 98 Resp: 579549

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



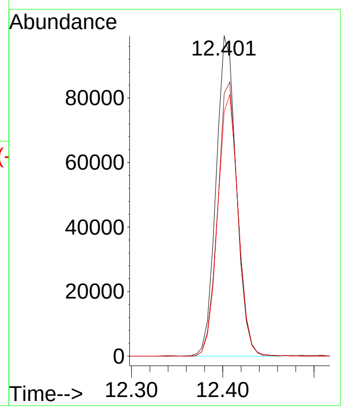
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

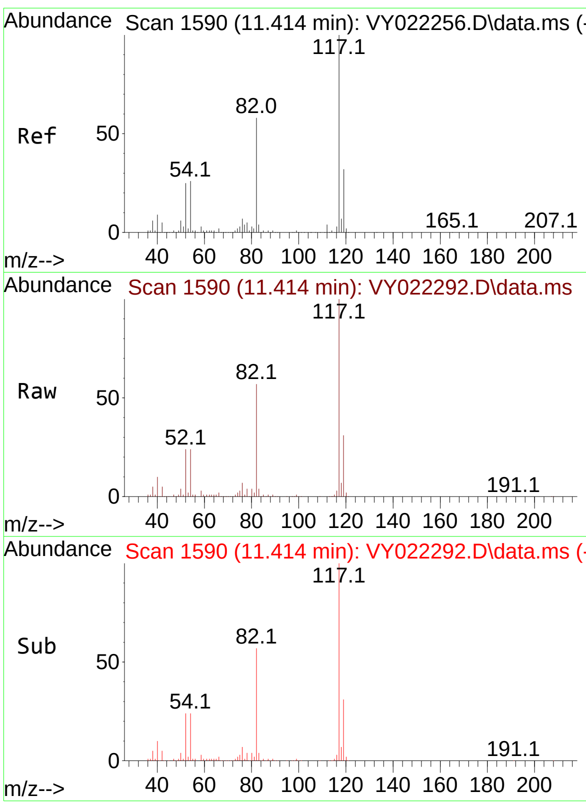


#62
4-Bromofluorobenzene
Concen: 40.760 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 95 Resp: 152887

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	166.8
176	82.9	0.0	160.8

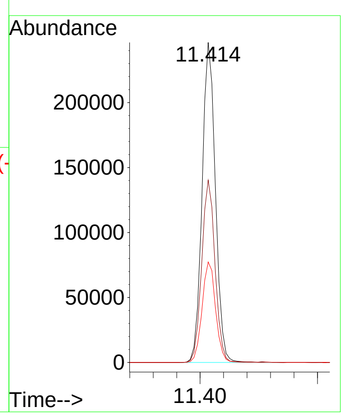


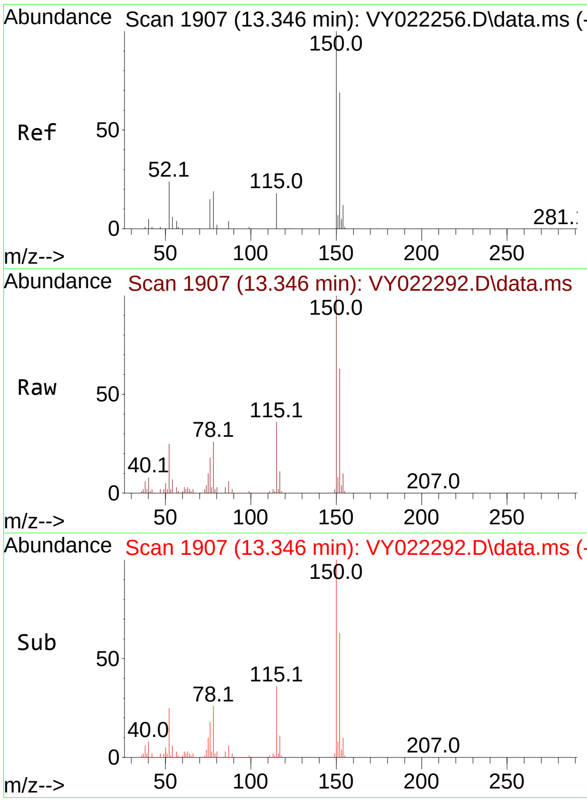


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion:117 Resp: 388336

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	70.0
119	31.4	25.8	38.6



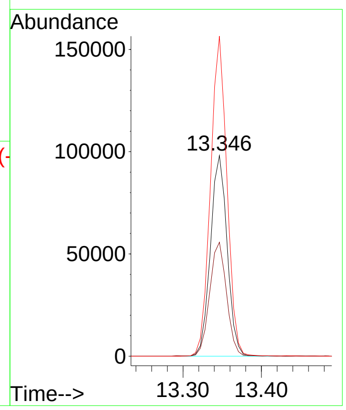


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:152 Resp: 145207

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	156.6	0.0	353.8



Sample Results: **VY022292.D**

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022292.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	20	rBV	13469	20623	1.30%	0.250%
2	2.086	54	60	61	rBV5	9831	19053	1.20%	0.231%
3	2.196	70	78	83	rBV3	18072	43474	2.73%	0.526%
4	2.476	120	124	125	rBV3	13652	18639	1.17%	0.226%
5	2.836	178	183	192	rVB	28316	59907	3.77%	0.725%
6	3.866	344	352	360	rBV	7709	21656	1.36%	0.262%
7	4.610	465	474	481	rBV2	11778	35196	2.21%	0.426%
8	7.634	959	970	975	rBV	210820	499371	31.40%	6.045%
9	7.707	975	982	992	rVB	357595	828044	52.07%	10.024%
10	8.067	1031	1041	1056	rBV3	269794	702997	44.21%	8.510%
11	8.609	1122	1130	1145	rBV	589101	1159546	72.92%	14.037%
12	9.109	1199	1212	1219	rBV3	16096	39401	2.48%	0.477%
13	10.103	1368	1375	1384	rBV	931304	1590214	100.00%	19.251%
14	11.414	1581	1590	1601	rBV	809193	1288175	81.01%	15.594%
15	11.633	1618	1626	1631	rBV2	9499	19525	1.23%	0.236%
16	12.401	1745	1752	1762	rBV	549786	897878	56.46%	10.869%
17	13.346	1900	1907	1917	rVB	635216	950794	59.79%	11.510%
18	13.883	1989	1995	2002	rVB	42574	66056	4.15%	0.800%

Sum of corrected areas: 8260549

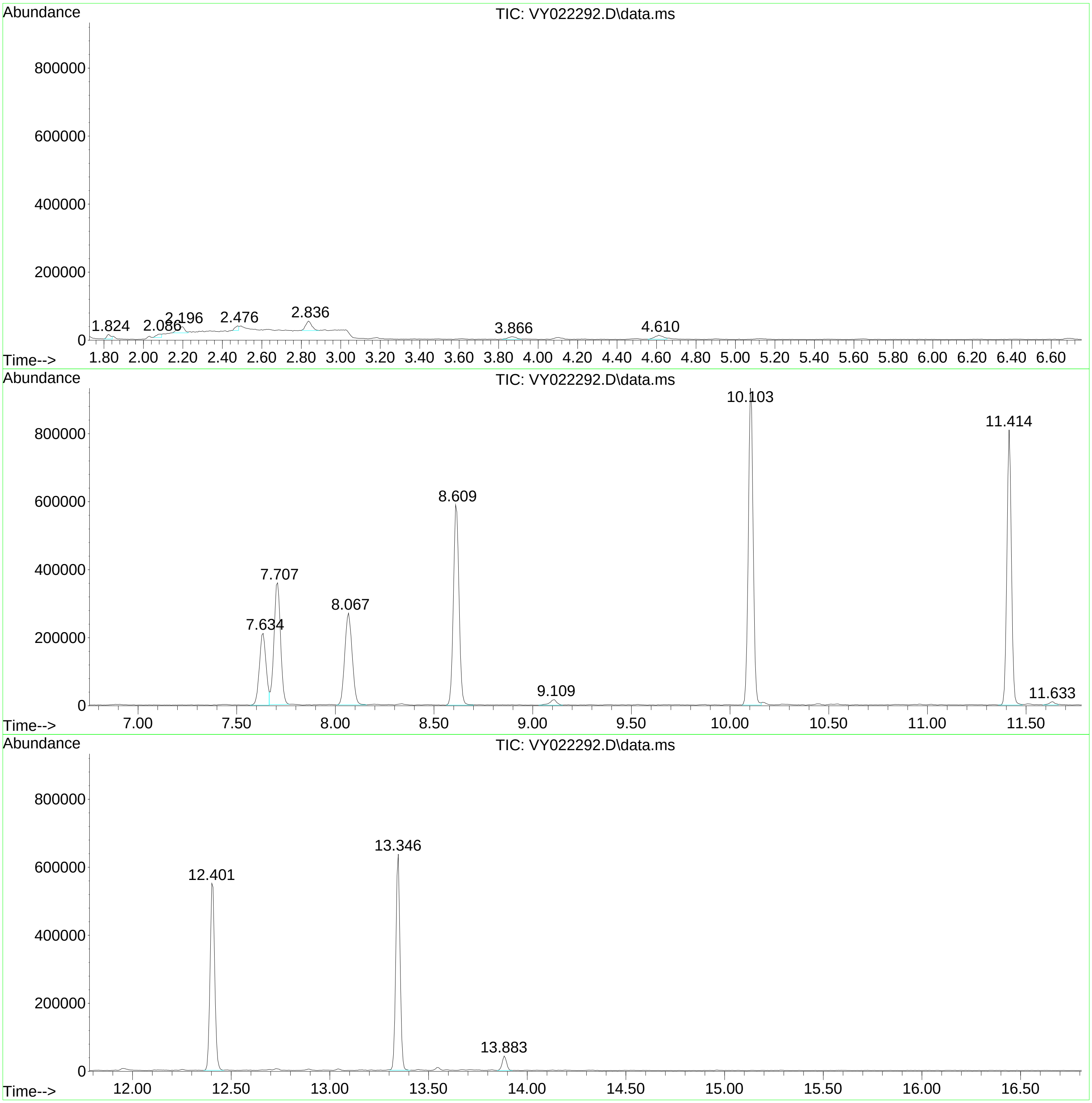
Sample Results: **VY022292.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Instrument :
MSVOA_Y
ClientSampleId :
TP-17



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VY022292.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On    : 16 May 2025  15:38
Operator  : SY/MD
Sample    : Q2010-04
Misc      : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080290.D RRF010 = VD080291.D RRF020 = VD080292.D
RRF050 = VD080293.D RRF100 = VD080294.D RRF150 = VD080295.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.732	0.664	0.648	0.388	0.418	0.406	0.543	28.5
Chloromethane	1.499	1.184	1.124	0.803	0.825	0.802	1.039	27.1
Vinyl Chloride	1.664	1.460	1.398	1.065	1.111	1.101	1.300	18.8
Bromomethane	1.188	0.914	1.047	0.732	0.837	0.895	0.936	17.2
Chloroethane	1.103	0.992	1.005	0.776	0.827	0.812	0.919	14.4
Trichlorofluoromethane	1.252	1.072	1.052	0.846	0.892	0.866	0.997	15.8
1,1,2-Trichlorotrifluoroethane	0.797	0.659	0.635	0.524	0.537	0.533	0.614	17.3
1,1-Dichloroethene	0.775	0.620	0.620	0.514	0.549	0.554	0.605	15.4
Acetone	0.181	0.122	0.110	0.097	0.100	0.102	0.119	27
Carbon Disulfide	2.743	2.221	2.214	1.751	1.850	1.835	2.102	17.7
Methyl tert-butyl Ether	1.396	1.161	1.333	1.247	1.405	1.438	1.330	8.1
Methyl Acetate	0.506	0.453	0.401	0.349	0.392	0.409	0.418	13
Methylene Chloride	1.259	0.906	0.802	0.657	0.666	0.657	0.825	28.5
trans-1,2-Dichloroethene	0.818	0.627	0.664	0.584	0.629	0.625	0.658	12.5
1,1-Dichloroethane	1.445	1.287	1.247	1.102	1.160	1.165	1.234	9.9
Cyclohexane	1.309	1.043	1.046	0.919	0.990	0.995	1.050	12.8
2-Butanone	0.204	0.164	0.175	0.167	0.176	0.182	0.178	8.1
Carbon Tetrachloride	0.527	0.532	0.559	0.492	0.513	0.512	0.522	4.3
cis-1,2-Dichloroethene	0.798	0.705	0.726	0.663	0.738	0.742	0.729	6.1
Bromochloromethane	0.699	0.600	0.578	0.537	0.524	0.510	0.575	12.2
Chloroform	1.450	1.234	1.268	1.107	1.163	1.162	1.231	9.9
1,1,1-Trichloroethane	1.148	1.022	1.030	0.898	0.959	0.968	1.004	8.5
Methylcyclohexane	0.561	0.532	0.577	0.544	0.636	0.638	0.581	7.9
Benzene	1.653	1.479	1.609	1.462	1.611	1.602	1.569	5
1,2-Dichloroethane	0.489	0.448	0.482	0.422	0.450	0.438	0.455	5.7
Trichloroethene	0.388	0.353	0.378	0.334	0.368	0.365	0.364	5.3
1,2-Dichloropropane	0.404	0.391	0.416	0.386	0.412	0.407	0.402	3
Bromodichloromethane	0.576	0.542	0.563	0.528	0.568	0.560	0.556	3.2
4-Methyl-2-Pentanone	0.211	0.204	0.257	0.248	0.273	0.276	0.245	12.6
Toluene	0.880	0.863	0.961	0.918	1.031	1.020	0.945	7.5

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080290.D RRF010 = VD080291.D RRF020 = VD080292.D
RRF050 = VD080293.D RRF100 = VD080294.D RRF150 = VD080295.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.498	0.458	0.509	0.488	0.541	0.548	0.507	6.7
cis-1,3-Dichloropropene	0.566	0.528	0.602	0.573	0.630	0.628	0.588	6.8
1,1,2-Trichloroethane	0.295	0.281	0.296	0.285	0.294	0.289	0.290	2.1
2-Hexanone	0.155	0.139	0.168	0.170	0.189	0.189	0.168	11.7
Dibromochloromethane	0.353	0.338	0.379	0.354	0.380	0.376	0.363	4.8
1,2-Dibromoethane	0.270	0.244	0.293	0.252	0.279	0.275	0.269	6.8
Tetrachloroethene	0.360	0.339	0.352	0.316	0.331	0.334	0.339	4.6
Chlorobenzene	1.242	1.073	1.130	1.071	1.123	1.134	1.129	5.5
Ethyl Benzene	1.759	1.647	1.863	1.857	2.086	2.108	1.887	9.6
m/p-Xylenes	0.659	0.640	0.739	0.738	0.809	0.810	0.733	9.8
o-Xylene	0.603	0.600	0.649	0.665	0.743	0.757	0.669	10.1
Styrene	1.065	1.039	1.200	1.219	1.338	1.351	1.202	10.9
Bromoform	0.237	0.226	0.235	0.220	0.233	0.231	0.230	2.8
Isopropylbenzene	3.191	2.869	3.174	3.172	3.480	3.575	3.243	7.8
1,1,2,2-Tetrachloroethane	0.803	0.695	0.752	0.650	0.693	0.686	0.713	7.7
1,3-Dichlorobenzene	1.873	1.692	1.761	1.652	1.754	1.796	1.755	4.4
1,4-Dichlorobenzene	2.078	1.687	1.789	1.640	1.699	1.719	1.769	9
1,2-Dichlorobenzene	1.677	1.430	1.549	1.445	1.519	1.525	1.524	5.8
1,2-Dibromo-3-Chloropropane	0.123	0.126	0.113	0.106	0.105	0.108	0.114	7.9
1,2,4-Trichlorobenzene	1.137	0.827	0.914	0.915	0.972	0.985	0.959	10.8
1,2,3-Trichlorobenzene	0.980	0.750	0.826	0.824	0.884	0.881	0.857	9
1,2-Dichloroethane-d4	0.770	0.661	0.646	0.590	0.606	0.606	0.647	10.2
Dibromofluoromethane	0.339	0.320	0.340	0.334	0.337	0.339	0.335	2.3
Toluene-d8	1.242	1.231	1.299	1.330	1.409	1.412	1.320	6
4-Bromofluorobenzene	0.362	0.409	0.414	0.425	0.468	0.466	0.424	9.4

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

Response Factor Report MSVOA_D

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
Method File : 82D050625S.M
Title : SW846 8260
Last Update : Wed May 07 08:57:11 2025
Response Via : Initial Calibration

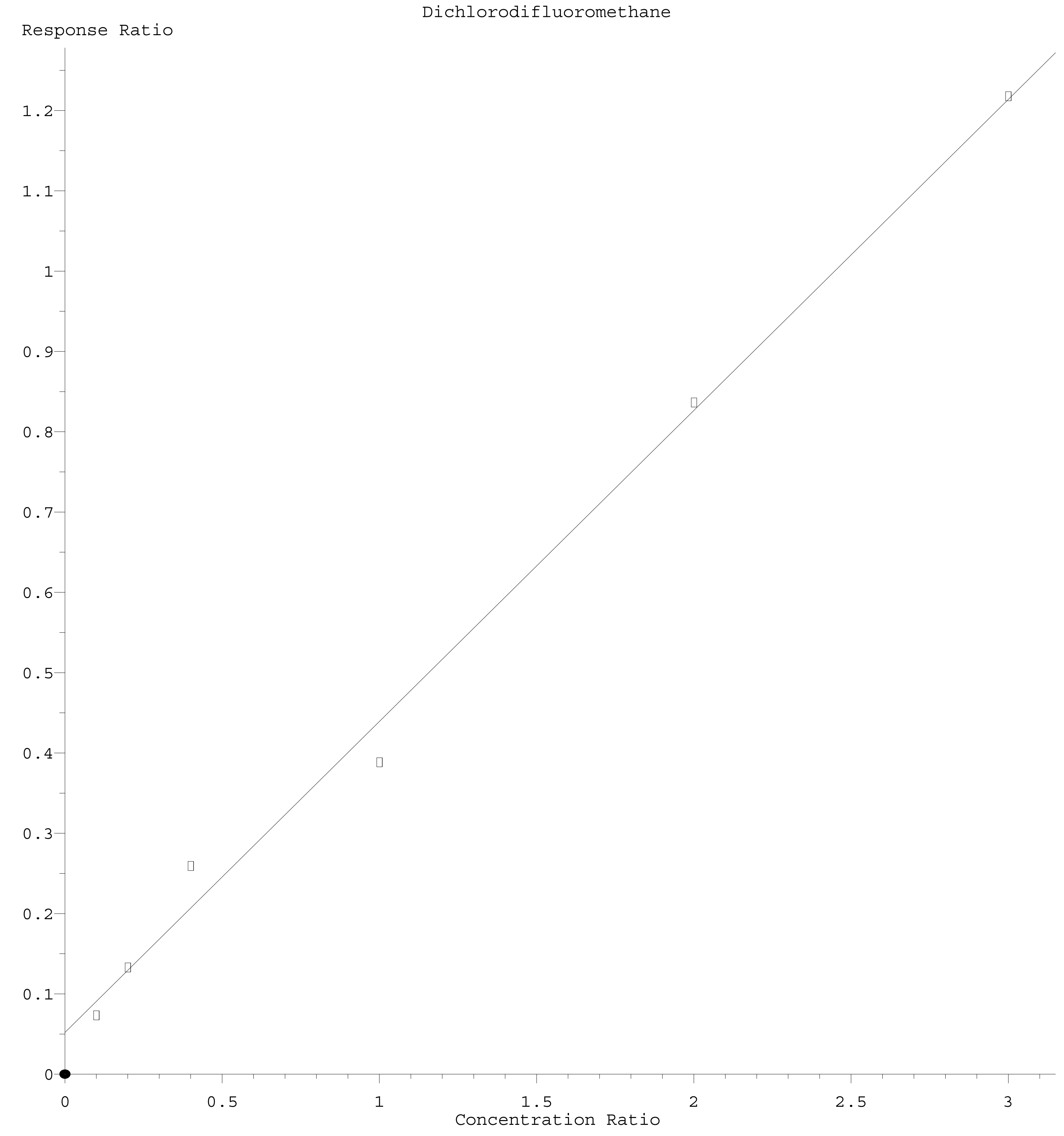
Calibration Files
5 =VD080290.D 10 =VD080291.D 20 =VD080292.D 50 =VD080293.D 100 =VD080294.D 150 =VD080295.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------------		ISTD		--------------------			
2)	T	Dichlorodifluo...	0.732	0.664	0.648	0.388	0.418	0.406	0.543	28.51
3)	P	Chloromethane	1.499	1.184	1.124	0.803	0.825	0.802	1.039	27.12
4)	C	Vinyl Chloride	1.664	1.460	1.398	1.065	1.111	1.101	1.300	18.81#
5)	T	Bromomethane	1.188	0.914	1.047	0.732	0.837	0.895	0.936	17.22
6)	T	Chloroethane	1.103	0.992	1.005	0.776	0.827	0.812	0.919	14.36
7)	T	Trichlorofluor...	1.252	1.072	1.052	0.846	0.892	0.866	0.997	15.84
8)	T	Diethyl Ether	0.371	0.285	0.314	0.271	0.299	0.306	0.308	11.31
9)	T	1,1,2-Trichlor...	0.797	0.659	0.635	0.524	0.537	0.533	0.614	17.32
10)	T	Methyl Iodide	0.656	0.580	0.610	0.592	0.663	0.655	0.626	5.79
11)	T	Tert butyl alc...	0.048	0.044	0.038	0.034	0.035	0.036	0.039	13.60
12)	CM	1,1-Dichloroet...	0.775	0.620	0.620	0.514	0.549	0.554	0.605	15.38#
13)	T	Acrolein	0.082	0.068	0.069	0.063	0.066	0.066	0.069	9.51
14)	T	Allyl chloride	1.123	0.913	0.934	0.847	0.947	0.949	0.952	9.64
15)	T	Acrylonitrile	0.170	0.147	0.150	0.130	0.145	0.145	0.148	8.62
16)	T	Acetone	0.181	0.122	0.110	0.097	0.100	0.102	0.119	26.95
17)	T	Carbon Disulfide	2.743	2.221	2.214	1.751	1.850	1.835	2.102	17.74
18)	T	Methyl Acetate	0.506	0.453	0.401	0.349	0.392	0.409	0.418	13.03
19)	T	Methyl tert-bu...	1.396	1.161	1.333	1.247	1.405	1.438	1.330	8.05
20)	T	Methylene Chlo...	1.259	0.906	0.802	0.657	0.666	0.657	0.825	28.53
21)	T	trans-1,2-Dich...	0.818	0.627	0.664	0.584	0.629	0.625	0.658	12.51
22)	T	Diisopropyl ether	1.915	1.792	2.075	1.870	2.037	2.079	1.961	6.12
23)	T	Vinyl Acetate	1.113	1.018	1.155	1.113	1.221	1.233	1.142	6.97
24)	P	1,1-Dichloroet...	1.445	1.287	1.247	1.102	1.160	1.165	1.234	9.93
25)	T	2-Butanone	0.204	0.164	0.175	0.167	0.176	0.182	0.178	8.07
26)	T	2,2-Dichloropr...	1.128	1.000	1.013	0.882	0.929	0.941	0.982	8.76
27)	T	cis-1,2-Dichlo...	0.798	0.705	0.726	0.663	0.738	0.742	0.729	6.14
28)	T	Bromochloromet...	0.699	0.600	0.578	0.537	0.524	0.510	0.575	12.17
29)	T	Tetrahydrofuran	0.118	0.107	0.114	0.111	0.120	0.126	0.116	5.80
30)	C	Chloroform	1.450	1.234	1.268	1.107	1.163	1.162	1.231	9.89#
31)	T	Cyclohexane	1.309	1.043	1.046	0.919	0.990	0.995	1.050	12.81
32)	T	1,1,1-Trichlor...	1.148	1.022	1.030	0.898	0.959	0.968	1.004	8.50
33)	S	1,2-Dichloroet...	0.770	0.661	0.646	0.590	0.606	0.606	0.647	10.22
34)	I	1,4-Difluorobenzene	----------------		ISTD		--------------------			
35)	S	Dibromofluorom...	0.339	0.320	0.340	0.334	0.337	0.339	0.335	2.26
36)	T	1,1-Dichloropr...	0.517	0.477	0.505	0.475	0.516	0.515	0.501	3.96
37)	T	Ethyl Acetate	0.280	0.253	0.270	0.243	0.262	0.263	0.262	4.99
38)	T	Carbon Tetrach...	0.527	0.532	0.559	0.492	0.513	0.512	0.522	4.34
39)	T	Methylcyclohexane	0.561	0.532	0.577	0.544	0.636	0.638	0.581	7.90
40)	TM	Benzene	1.653	1.479	1.609	1.462	1.611	1.602	1.569	5.03
41)	T	Methacrylonitrile	0.166	0.130	0.156	0.129	0.141	0.148	0.145	10.11
42)	TM	1,2-Dichloroet...	0.489	0.448	0.482	0.422	0.450	0.438	0.455	5.67
43)	T	Isopropyl Acetate	0.468	0.436	0.483	0.460	0.500	0.503	0.475	5.40
44)	TM	Trichloroethene	0.388	0.353	0.378	0.334	0.368	0.365	0.364	5.27
45)	C	1,2-Dichloropr...	0.404	0.391	0.416	0.386	0.412	0.407	0.402	2.96#
46)	T	Dibromomethane	0.211	0.218	0.234	0.209	0.221	0.222	0.219	4.11
47)	T	Bromodichlorom...	0.576	0.542	0.563	0.528	0.568	0.560	0.556	3.21
48)	T	Methyl methacr...	0.201	0.192	0.229	0.221	0.249	0.261	0.226	11.96
49)	T	1,4-Dioxane	0.003	0.002	0.003	0.003	0.003	0.003	0.003	9.09
50)	S	Toluene-d8	1.242	1.231	1.299	1.330	1.409	1.412	1.320	5.96
51)	T	4-Methyl-2-Pen...	0.211	0.204	0.257	0.248	0.273	0.276	0.245	12.56
52)	CM	Toluene	0.880	0.863	0.961	0.918	1.031	1.020	0.945	7.49#
53)	T	t-1,3-Dichloro...	0.498	0.458	0.509	0.488	0.541	0.548	0.507	6.65
54)	T	cis-1,3-Dichlo...	0.566	0.528	0.602	0.573	0.630	0.628	0.588	6.76
55)	T	1,1,2-Trichlor...	0.295	0.281	0.296	0.285	0.294	0.289	0.290	2.13
56)	T	Ethyl methacry...	0.275	0.300	0.344	0.364	0.410	0.414	0.351	16.12

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
Method File : 82D050625S.M

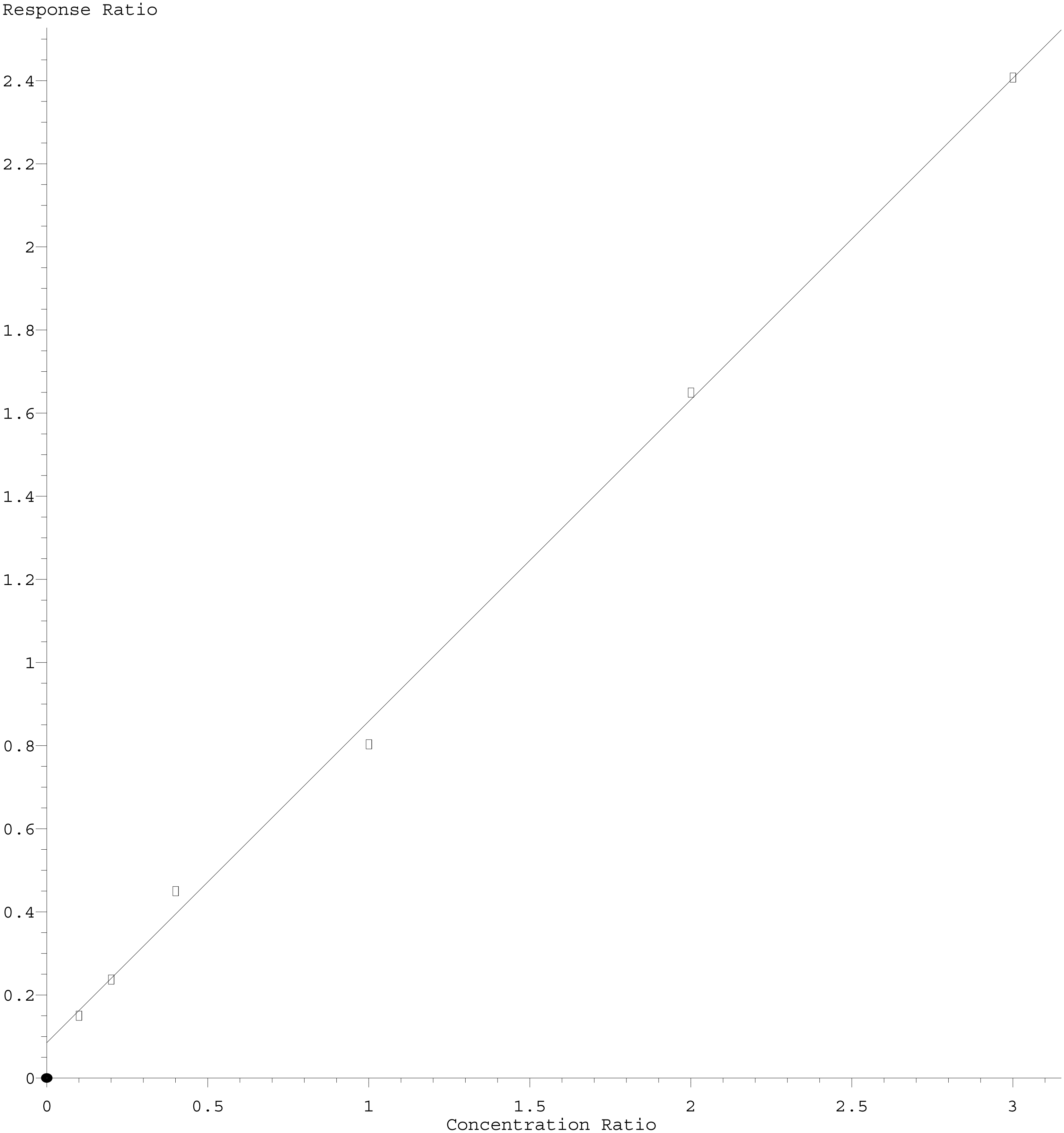
57)	T	1,3-Dichloropr...	0.465	0.439	0.500	0.462	0.512	0.513	0.482	6.42
58)	T	2-Chloroethyl ...	0.115	0.118	0.138	0.156	0.166	0.170	0.144	16.55
59)	T	2-Hexanone	0.155	0.139	0.168	0.170	0.189	0.189	0.168	11.68
60)	T	Dibromochlorom...	0.353	0.338	0.379	0.354	0.380	0.376	0.363	4.79
61)	T	1,2-Dibromoethane	0.270	0.244	0.293	0.252	0.279	0.275	0.269	6.76
62)	S	4-Bromofluorob...	0.362	0.409	0.414	0.425	0.468	0.466	0.424	9.39
63)	I	Chlorobenzene-d5	----------------ISTD--------------------							
64)	T	Tetrachloroethene	0.360	0.339	0.352	0.316	0.331	0.334	0.339	4.64
65)	PM	Chlorobenzene	1.242	1.073	1.130	1.071	1.123	1.134	1.129	5.51
66)	T	1,1,1,2-Tetrac...	0.391	0.375	0.391	0.381	0.395	0.394	0.388	2.05
67)	C	Ethyl Benzene	1.759	1.647	1.863	1.857	2.086	2.108	1.887	9.60#
68)	T	m/p-Xylenes	0.659	0.640	0.739	0.738	0.809	0.810	0.733	9.82
69)	T	o-Xylene	0.603	0.600	0.649	0.665	0.743	0.757	0.669	10.09
70)	T	Styrene	1.065	1.039	1.200	1.219	1.338	1.351	1.202	10.94
71)	P	Bromoform	0.237	0.226	0.235	0.220	0.233	0.231	0.230	2.77
72)	I	1,4-Dichlorobenzen...	----------------ISTD--------------------							
73)	T	Isopropylbenzene	3.191	2.869	3.174	3.172	3.480	3.575	3.243	7.78
74)	T	N-amyl acetate	0.969	0.817	0.917	0.887	0.982	1.014	0.931	7.78
75)	P	1,1,2,2-Tetrac...	0.803	0.695	0.752	0.650	0.693	0.686	0.713	7.67
76)	T	1,2,3-Trichlor...	0.578	0.391	0.618	0.482	0.417	0.409	0.483	19.79
77)	T	Bromobenzene	0.896	0.808	0.824	0.812	0.847	0.861	0.841	4.02
78)	T	n-propylbenzene	3.879	3.666	4.005	4.057	4.398	4.416	4.070	7.22
79)	T	2-Chlorotoluene	2.375	2.159	2.360	2.308	2.478	2.525	2.368	5.47
80)	T	1,3,5-Trimethy...	2.593	2.484	2.762	2.748	2.990	3.021	2.766	7.66
81)	T	trans-1,4-Dich...	0.263	0.226	0.269	0.248	0.257	0.263	0.254	6.23
82)	T	4-Chlorotoluene	2.703	2.378	2.542	2.439	2.621	2.651	2.556	4.96
83)	T	tert-Butylbenzene	2.194	2.062	2.232	2.264	2.513	2.586	2.308	8.68
84)	T	1,2,4-Trimethy...	2.576	2.427	2.851	2.860	3.103	3.165	2.830	10.18
85)	T	sec-Butylbenzene	3.407	3.162	3.494	3.543	3.855	3.899	3.560	7.82
86)	T	p-Isopropyltol...	2.659	2.569	2.939	3.029	3.311	3.445	2.992	11.58
87)	T	1,3-Dichlorobe...	1.873	1.692	1.761	1.652	1.754	1.796	1.755	4.43
88)	T	1,4-Dichlorobe...	2.078	1.687	1.789	1.640	1.699	1.719	1.769	9.00
89)	T	n-Butylbenzene	2.870	2.532	2.807	2.886	3.123	3.207	2.904	8.28
90)	T	Hexachloroethane	0.755	0.642	0.660	0.625	0.642	0.648	0.662	7.11
91)	T	1,2-Dichlorobe...	1.677	1.430	1.549	1.445	1.519	1.525	1.524	5.80
92)	T	1,2-Dibromo-3-...	0.123	0.126	0.113	0.106	0.105	0.108	0.114	7.88
93)	T	1,2,4-Trichlor...	1.137	0.827	0.914	0.915	0.972	0.985	0.959	10.84
94)	T	Hexachlorobuta...	0.603	0.460	0.485	0.468	0.486	0.491	0.499	10.47
95)	T	Naphthalene	2.024	1.511	1.658	1.687	1.939	1.980	1.800	11.61
96)	T	1,2,3-Trichlor...	0.980	0.750	0.826	0.824	0.884	0.881	0.857	9.02

(#) = Out of Range

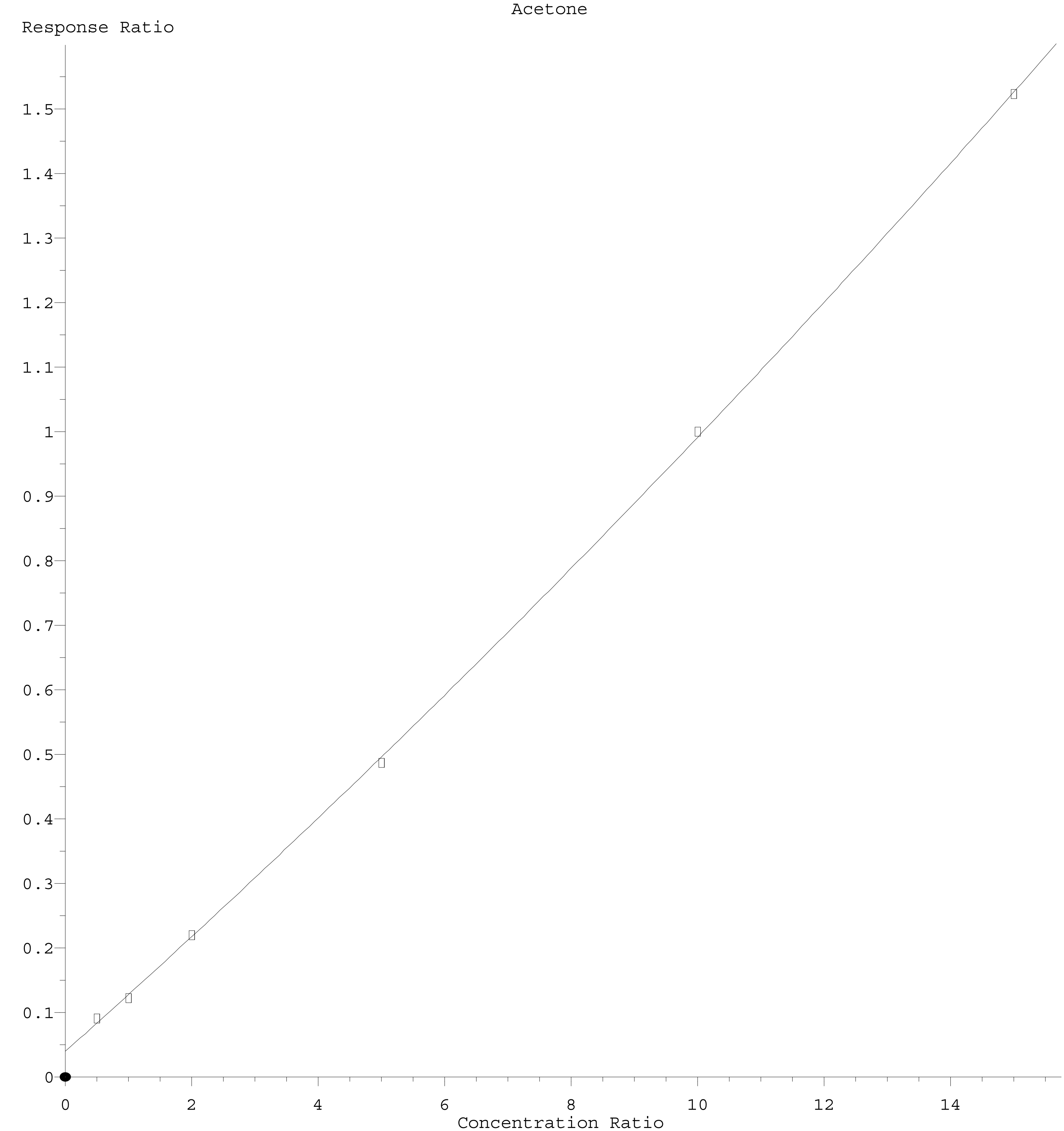


Response = 3.872e-001 * Amt + 5.232e-002
Coef of Det (r^2) = 0.994318   Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050625S.M
Calibration Table Last Updated: Wed May 07 08:57:11 2025

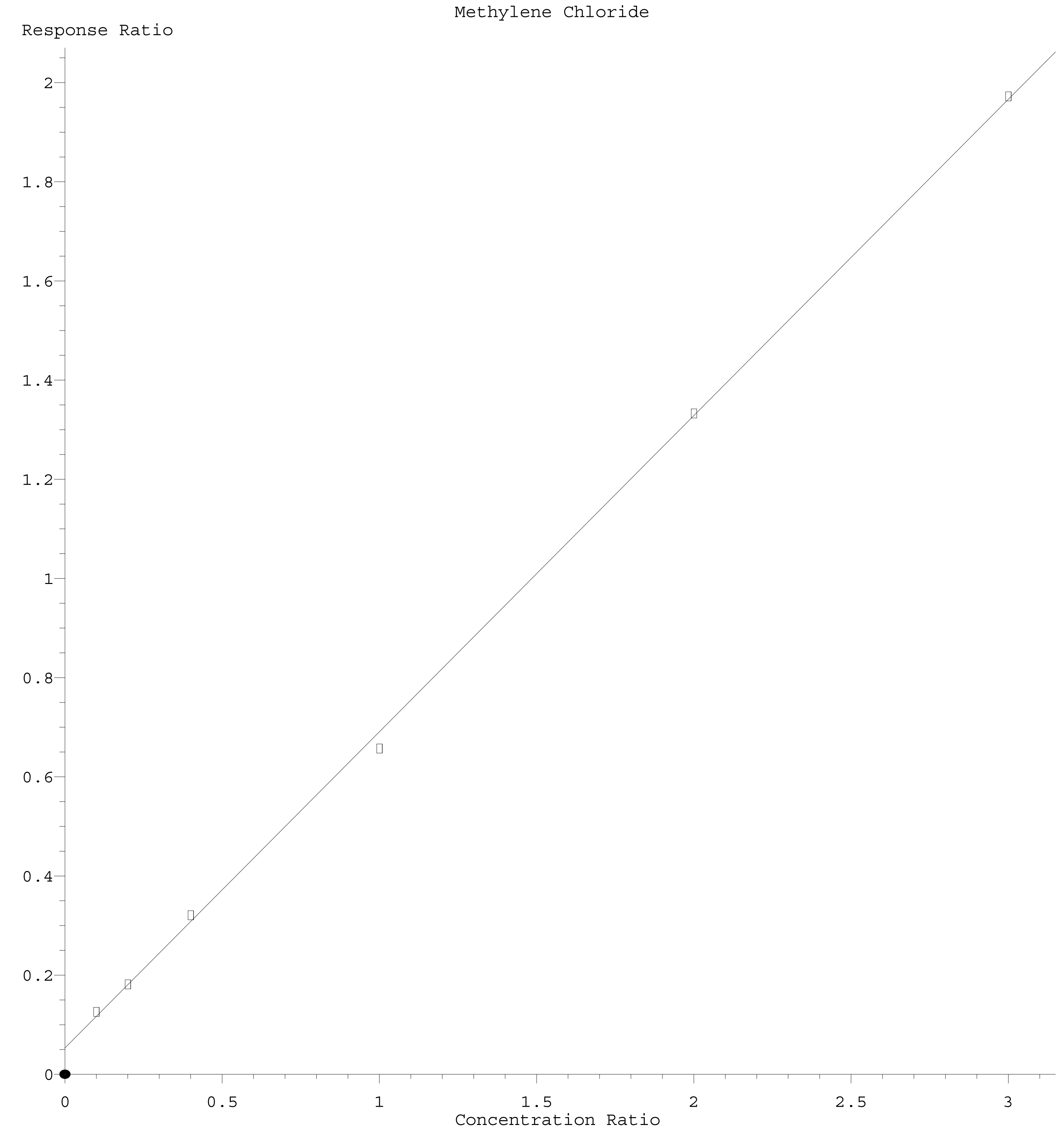
Chloromethane



Response = 7.736e-001 * Amt + 8.543e-002
Coef of Det (r^2) = 0.998361   Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050625S.M
Calibration Table Last Updated: Wed May 07 08:57:11 2025



R = 7.864e-004 A*A + 8.728e-002 A + 3.988e-002
Coef of Det (r^2) = 0.999847   Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050625S.M
Calibration Table Last Updated: Wed May 07 08:57:11 2025



Response = 6.377e-001 * Amt + 5.285e-002
Coef of Det (r^2) = 0.999476   Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050625S.M
Calibration Table Last Updated: Wed May 07 08:57:11 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080290.D
Acq On : 06 May 2025 13:33
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VSTDICC005

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	118891	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	213519	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.582	117	189975	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94546	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.235	65	9150	5.951 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.900%#		
35) Dibromofluoromethane	7.806	113	7245	5.063 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.120%#		
50) Toluene-d8	10.264	98	26514	4.702 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.400%#		
62) 4-Bromofluorobenzene	12.570	95	7719	4.265 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 8.540%#		

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) Dichlorodifluoromethane	1.935	85	8702	2.696 ug/l	97
3) Chloromethane	2.153	50	17818	4.195 ug/l	92
4) Vinyl Chloride	2.282	62	19788	6.402 ug/l	95
5) Bromomethane	2.688	94	14130	6.351 ug/l	96
6) Chloroethane	2.829	64	13118	6.003 ug/l #	81
7) Trichlorofluoromethane	3.171	101	14887	6.282 ug/l	98
8) Diethyl Ether	3.594	74	4415	6.035 ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.971	101	9475	6.489 ug/l	96
10) Methyl Iodide	4.165	142	7802	5.241 ug/l	98
11) Tert butyl alcohol	5.059	59	2849	30.538 ug/l #	83
12) 1,1-Dichloroethene	3.935	96	9216	6.402 ug/l	84
13) Acrolein	3.806	56	4849	29.540 ug/l	90
14) Allyl chloride	4.559	41	13349	5.896 ug/l	95
15) Acrylonitrile	5.259	53	10094	28.700 ug/l	98
16) Acetone	4.029	43	10782m	28.543 ug/l	
17) Carbon Disulfide	4.271	76	32611	6.523 ug/l	99
18) Methyl Acetate	4.571	43	6017	6.039 ug/l #	66
19) Methyl tert-butyl Ether	5.312	73	16598	5.248 ug/l	100
20) Methylene Chloride	4.800	84	14964	5.725 ug/l	92
21) trans-1,2-Dichloroethene	5.312	96	9721	6.216 ug/l #	82
22) Diisopropyl ether	6.218	45	22769	4.882 ug/l #	86
23) Vinyl Acetate	6.159	43	66186m	24.366 ug/l	
24) 1,1-Dichloroethane	6.106	63	17176	5.853 ug/l	99
25) 2-Butanone	7.094	43	12118	28.646 ug/l	95
26) 2,2-Dichloropropane	7.076	77	13406	5.741 ug/l	95
27) cis-1,2-Dichloroethene	7.076	96	9491	5.478 ug/l	93
28) Bromochloromethane	7.429	49	8315	6.085 ug/l	92
29) Tetrahydrofuran	7.441	42	6994	25.357 ug/l	99
30) Chloroform	7.594	83	17239	5.890 ug/l	99
31) Cyclohexane	7.876	56	15557	6.228 ug/l #	80
32) 1,1,1-Trichloroethane	7.794	97	13649	5.716 ug/l	98
36) 1,1-Dichloropropene	8.006	75	11045	5.164 ug/l	93
37) Ethyl Acetate	7.176	43	5987	5.367 ug/l #	90
38) Carbon Tetrachloride	7.988	117	11256	5.046 ug/l	97
39) Methylcyclohexane	9.270	83	11974	4.825 ug/l	96
40) Benzene	8.247	78	35294	5.267 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080290.D
Acq On : 06 May 2025 13:33
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.400	41	3543	5.725 ug/l #	86
42) 1,2-Dichloroethane	8.323	62	10431	5.372 ug/l	95
43) Isopropyl Acetate	8.359	43	9983	4.922 ug/l #	75
44) Trichloroethene	9.023	130	8290	5.329 ug/l	87
45) 1,2-Dichloropropane	9.311	63	8621	5.016 ug/l	95
46) Dibromomethane	9.394	93	4497	4.806 ug/l	92
47) Bromodichloromethane	9.582	83	12295	5.177 ug/l #	92
48) Methyl methacrylate	9.388	41	4296m	4.458 ug/l	
49) 1,4-Dioxane	9.382	88	1116	100.311 ug/l #	78
51) 4-Methyl-2-Pentanone	10.153	43	22476	21.509 ug/l	99
52) Toluene	10.335	92	18781	4.652 ug/l	98
53) t-1,3-Dichloropropene	10.553	75	10630	4.909 ug/l	97
54) cis-1,3-Dichloropropene	10.017	75	12084	4.816 ug/l	92
55) 1,1,2-Trichloroethane	10.729	97	6301	5.091 ug/l	92
56) Ethyl methacrylate	10.594	69	5870	3.914 ug/l #	82
57) 1,3-Dichloropropane	10.876	76	9918	4.821 ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	12258	19.970 ug/l	96
59) 2-Hexanone	10.923	43	16540	23.010 ug/l	94
60) Dibromochloromethane	11.070	129	7537	4.859 ug/l	90
61) 1,2-Dibromoethane	11.182	107	5762	5.020 ug/l	99
64) Tetrachloroethene	10.805	164	6842	5.318 ug/l	94
65) Chlorobenzene	11.605	112	23604	5.503 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	7434	5.044 ug/l	93
67) Ethyl Benzene	11.682	91	33412	4.661 ug/l	97
68) m/p-Xylenes	11.794	106	25055	9.002 ug/l	97
69) o-Xylene	12.117	106	11452	4.503 ug/l	99
70) Styrene	12.135	104	20231	4.430 ug/l	96
71) Bromoform	12.294	173	4510	5.151 ug/l #	100
73) Isopropylbenzene	12.423	105	30167	4.919 ug/l	99
74) N-amyl acetate	12.229	43	9157	5.202 ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.670	83	7592	5.629 ug/l	93
76) 1,2,3-Trichloropropane	12.723	75	5467m	5.450 ug/l	
77) Bromobenzene	12.700	156	8476	5.328 ug/l	93
78) n-propylbenzene	12.758	91	36671	4.765 ug/l	98
79) 2-Chlorotoluene	12.847	91	22451	5.015 ug/l	95
80) 1,3,5-Trimethylbenzene	12.900	105	24517	4.687 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.470	75	2485	5.169 ug/l	96
82) 4-Chlorotoluene	12.947	91	25557	5.289 ug/l	100
83) tert-Butylbenzene	13.164	119	20744	4.752 ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	24355	4.551 ug/l	98
85) sec-Butylbenzene	13.341	105	32212	4.785 ug/l	98
86) p-Isopropyltoluene	13.458	119	25141	4.444 ug/l	96
87) 1,3-Dichlorobenzene	13.458	146	17707	5.337 ug/l	97
88) 1,4-Dichlorobenzene	13.535	146	19650	5.875 ug/l	93
89) n-Butylbenzene	13.788	91	27132	4.940 ug/l	97
90) Hexachloroethane	14.052	117	7141	5.705 ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	15854	5.501 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.452	75	1166	5.425 ug/l	97
93) 1,2,4-Trichlorobenzene	15.099	180	10754	5.933 ug/l	97
94) Hexachlorobutadiene	15.199	225	5697	6.042 ug/l	95
95) Naphthalene	15.323	128	19134	5.622 ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	9263	5.714 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080290.D
Acq On : 06 May 2025 13:33
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: May 07 03:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

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

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

Quantitation Report (QT Reviewed)

ICAL Form

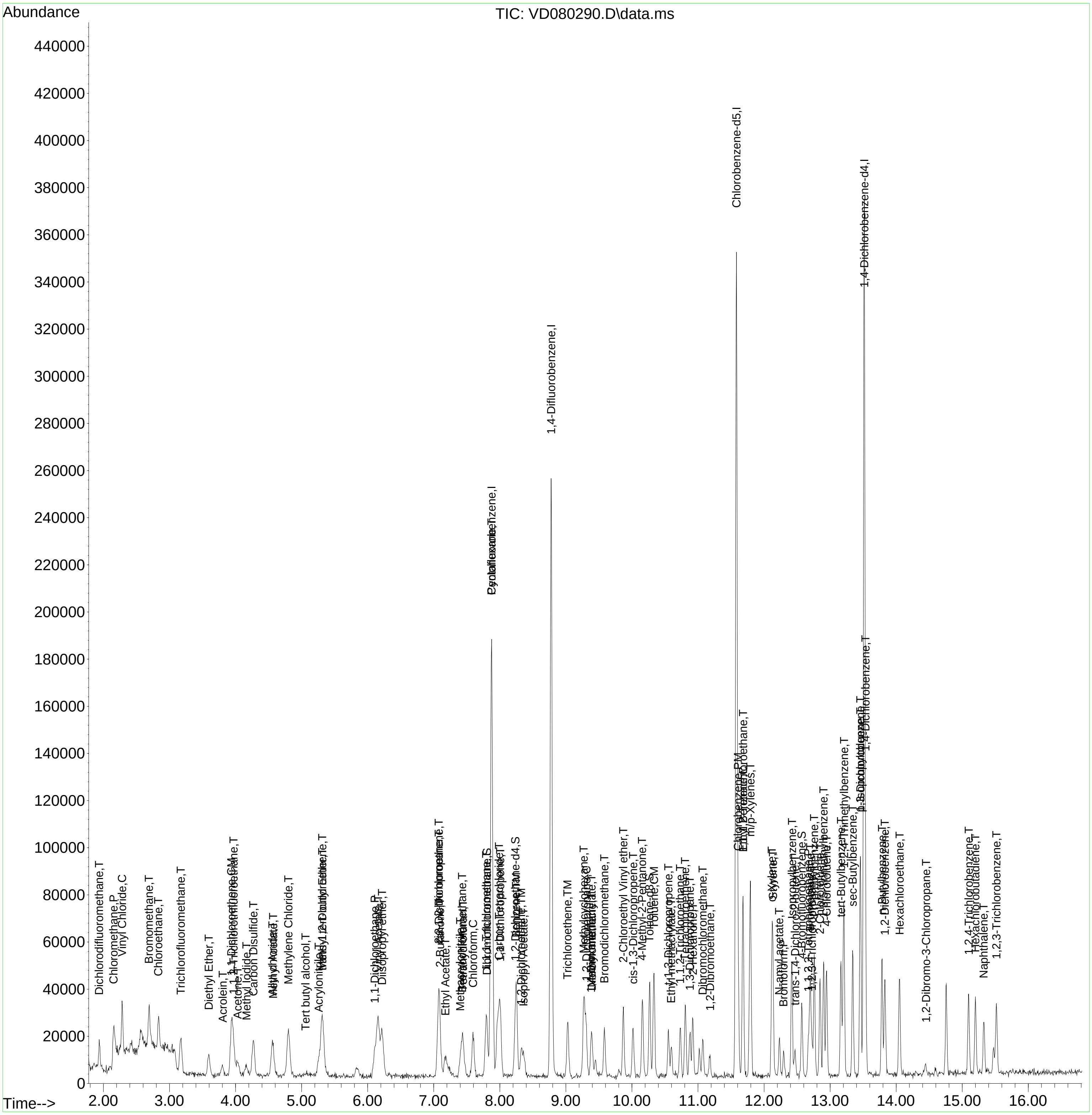
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080290.D
Acq On : 06 May 2025 13:33
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 03:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

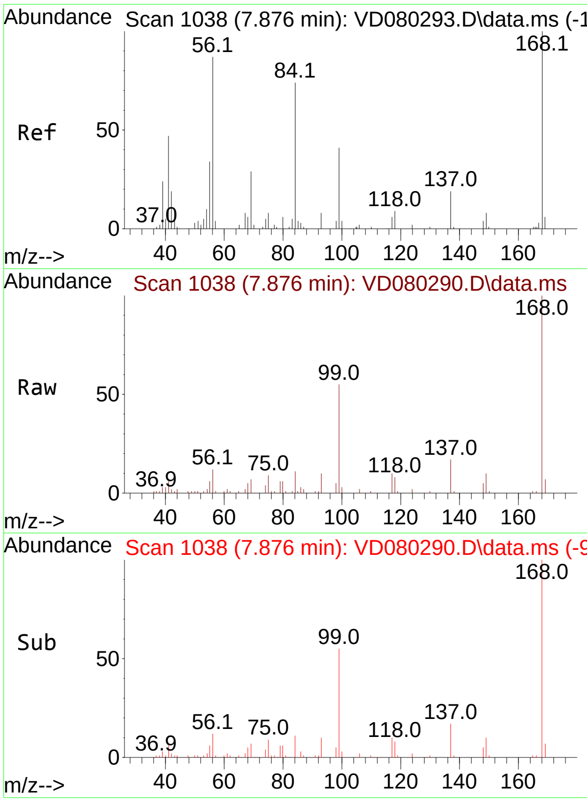
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

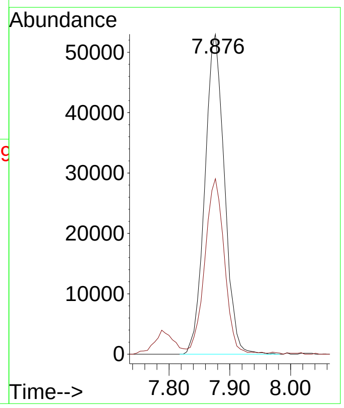
Manual Integrations
APPROVED

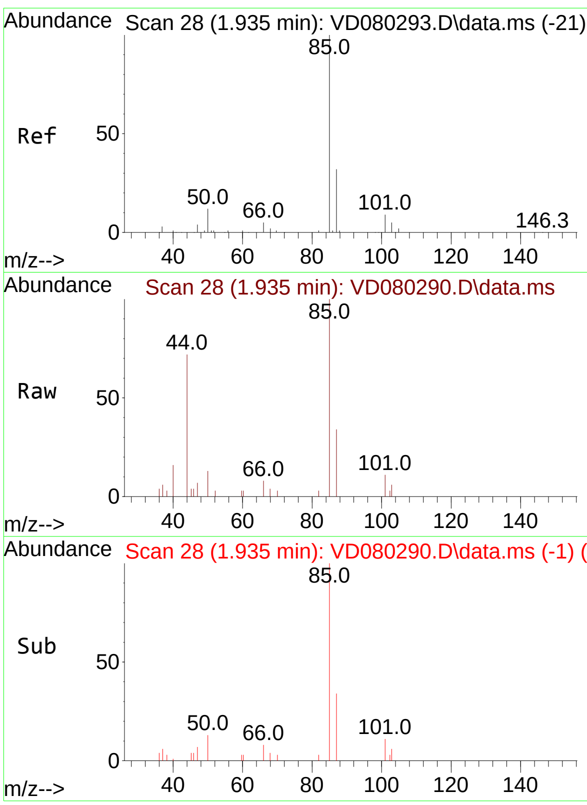
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#1
Pentafluorobenzene
Concen:    50.000 ug/l
RT:    7.876 min   Scan# 10
Delta R.T.   0.000 min
Lab File:    VD080290.D
Acq: 06 May  2025   13:33

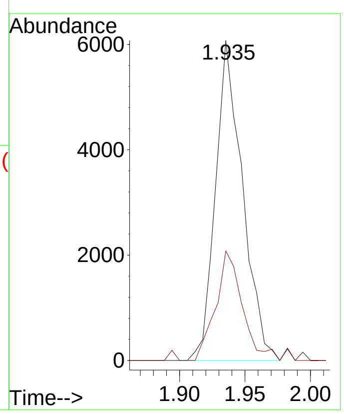
Tgt Ion:168 Resp:   11889
Ion   Ratio   Lower   Upper
168   100
 99    54.5    46.4    69.6
```

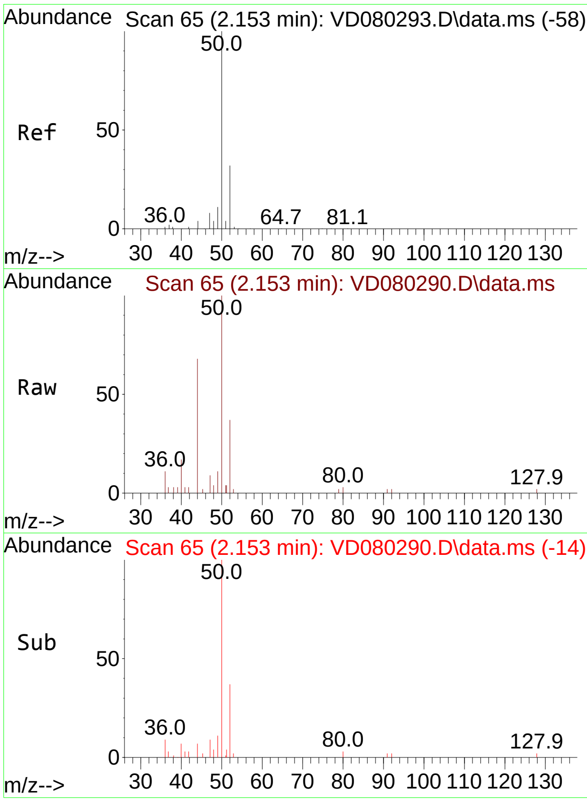





```
#2
Dichlorodifluoromethane
Concen:     2.696 ug/l
RT:    1.935 min   Scan# 28
Delta R.T.   0.000 min
Lab File:    VD080290.D
Acq: 06 May  2025   13:33

Tgt Ion: 85 Resp:     8702
Ion   Ratio   Lower   Upper
 85   100
 87    34.2    16.2    48.6
```





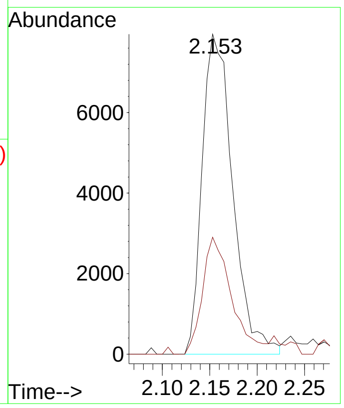
#3
Chloromethane
Concen: 4.195 ug/l
RT: 2.153 min Scan# 65
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

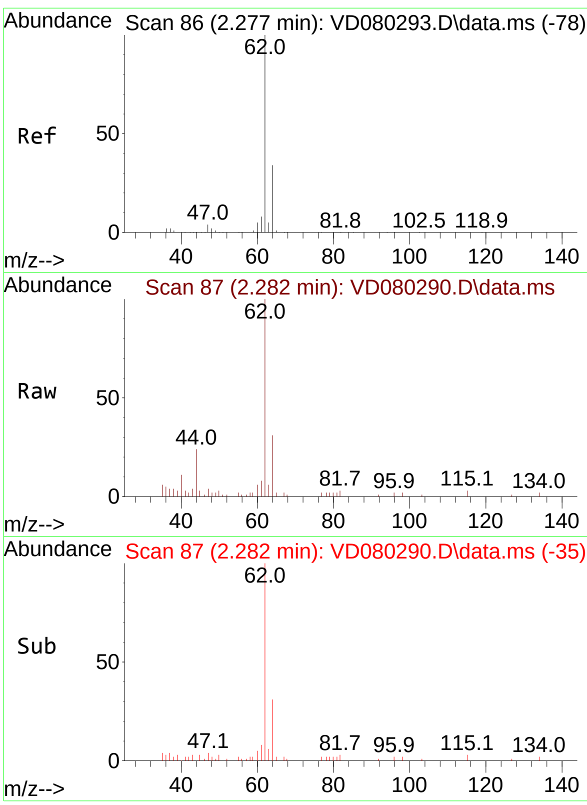
Tgt Ion: 50 Resp: 17818

Ion	Ratio	Lower	Upper
50	100		
52	36.5	25.7	38.5

Instrument : MSVOA_D
ClientSampleId : VSTDICC005

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

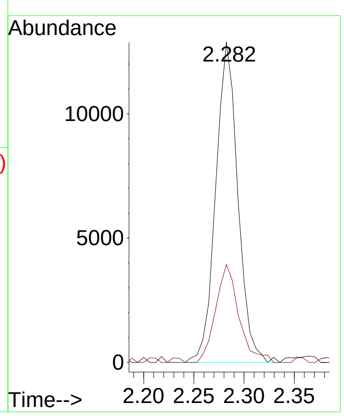




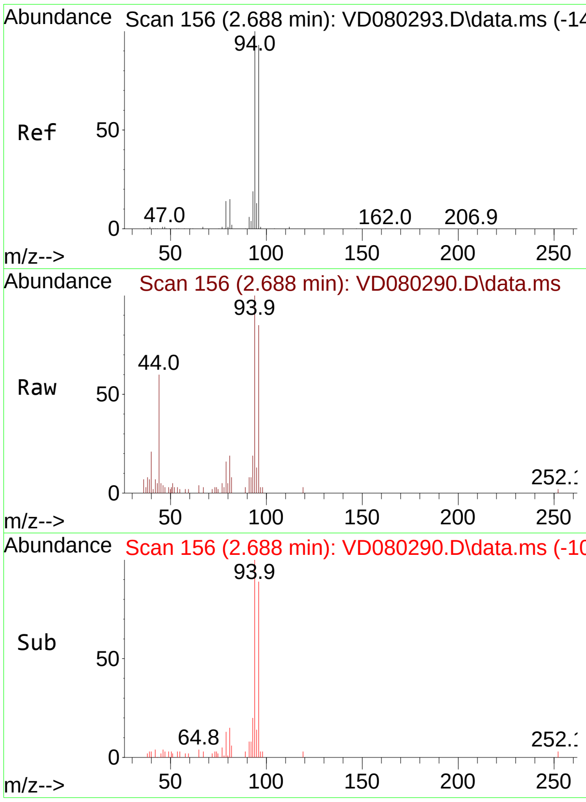
#4
Vinyl Chloride
Concen: 6.402 ug/l
RT: 2.282 min Scan# 87
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 62 Resp: 19788

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.9	40.3



ICAL Form



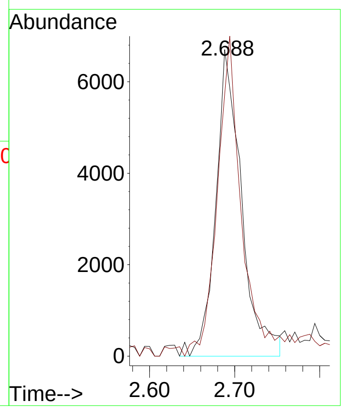
#5
Bromomethane
Concen: 6.351 ug/l
RT: 2.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

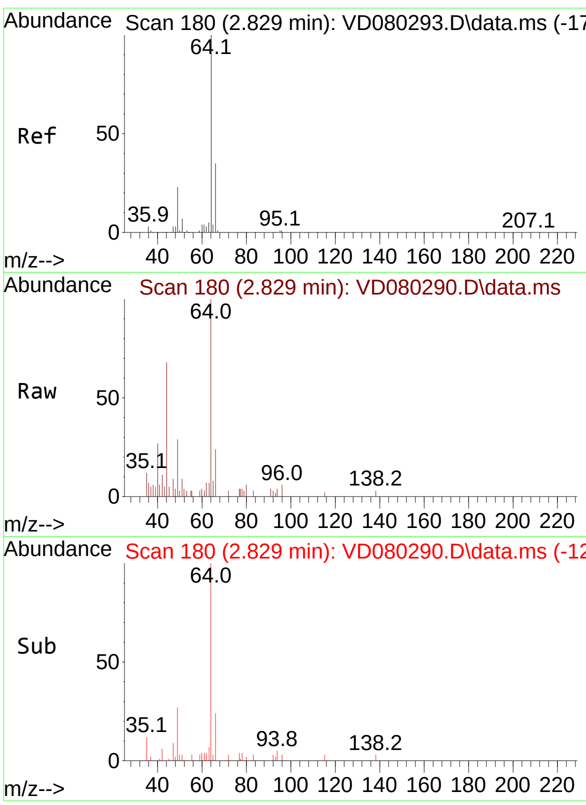
Tgt Ion: 94 Resp: 1413

Ion	Ratio	Lower	Upper
94	100		
96	97.4	74.6	112.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

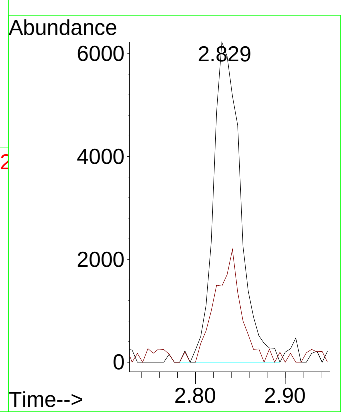




#6
Chloroethane
Concen: 6.003 ug/l
RT: 2.829 min Scan# 180
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

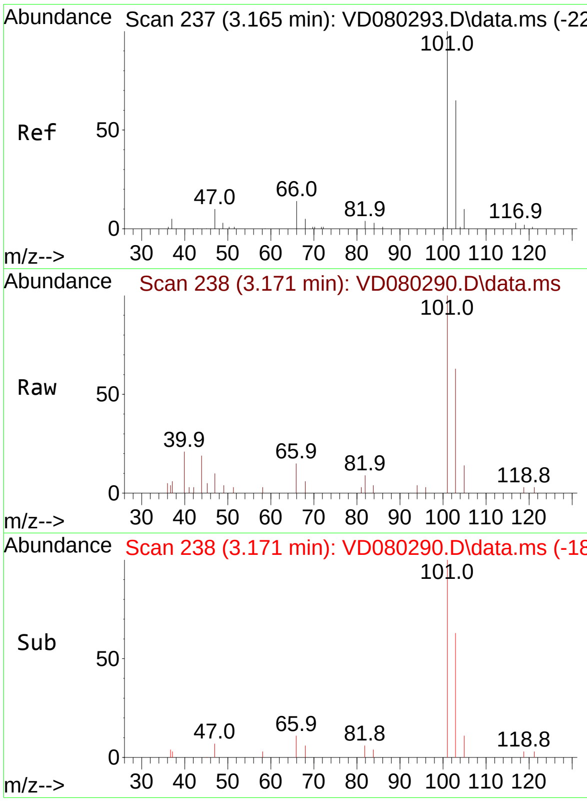
Tgt Ion: 64 Resp: 13118

Ion	Ratio	Lower	Upper
64	100		
66	23.8	27.7	41.5#



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

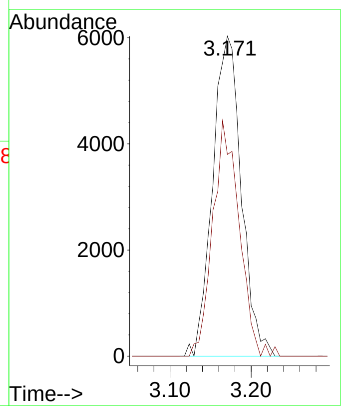
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

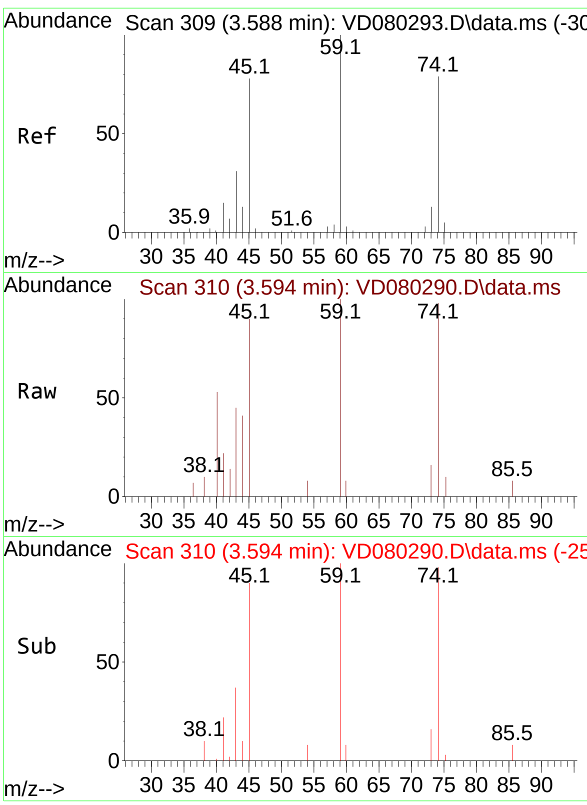


#7
Trichlorofluoromethane
Concen: 6.282 ug/l
RT: 3.171 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:101 Resp: 1488

Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.8

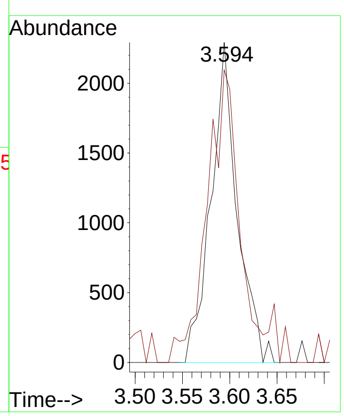




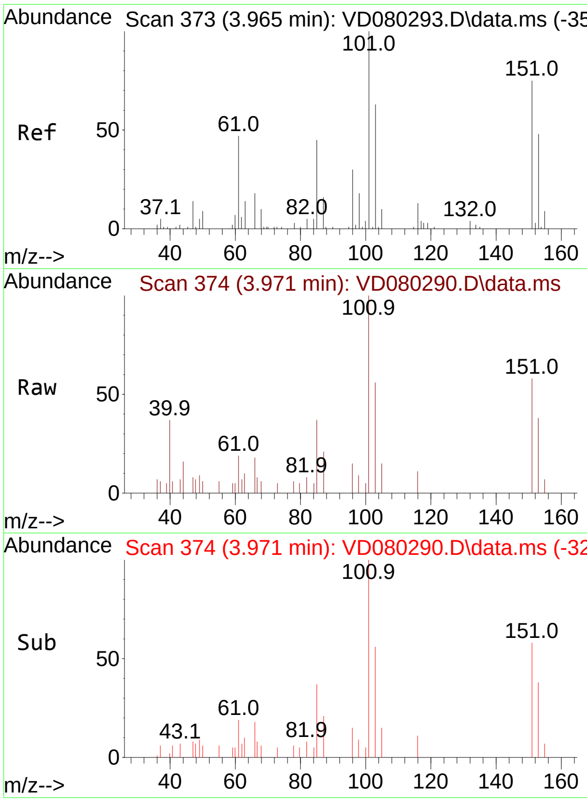
#8
Diethyl Ether
Concen: 6.035 ug/l
RT: 3.594 min Scan# 310
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 74 Resp: 4415

Ion	Ratio	Lower	Upper
74	100		
45	110.7	53.1	159.4



ICAL Form



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.489 ug/l
RT: 3.971 min Scan# 37
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 947

Ion	Ratio	Lower	Upper
101	100		
85	46.1	35.5	53.3
151	70.3	59.0	88.6

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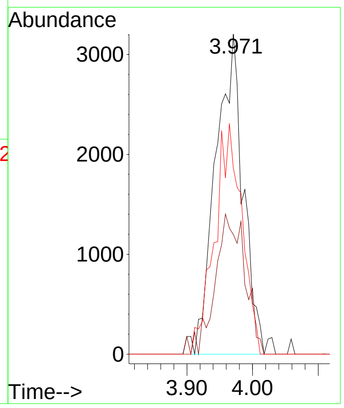
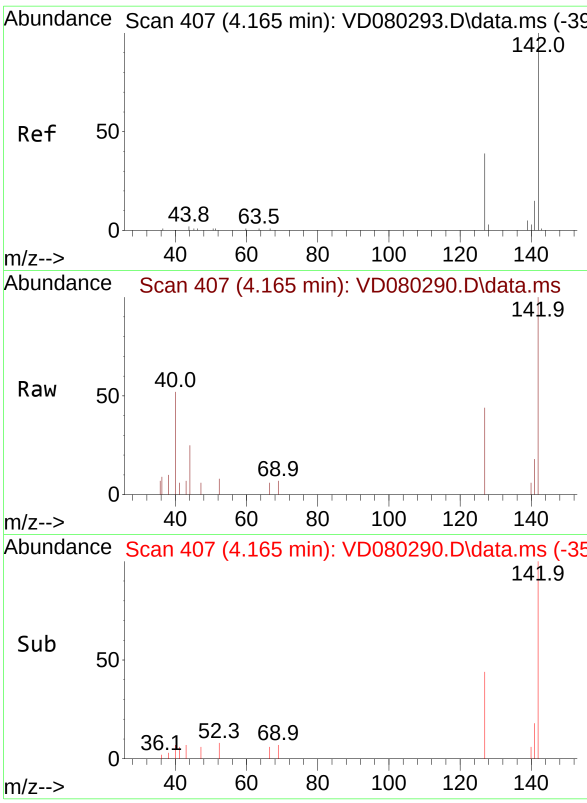
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

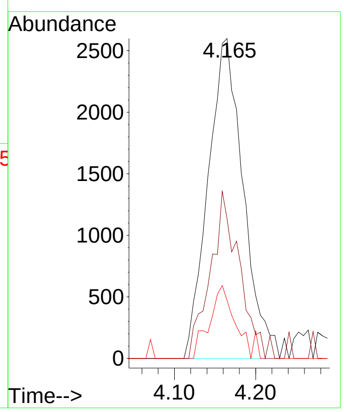




#10
Methyl Iodide
Concen: 5.241 ug/l
RT: 4.165 min Scan# 407
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:142 Resp: 7802

Ion	Ratio	Lower	Upper
142	100		
127	43.6	34.6	52.0
141	17.3	12.2	18.4



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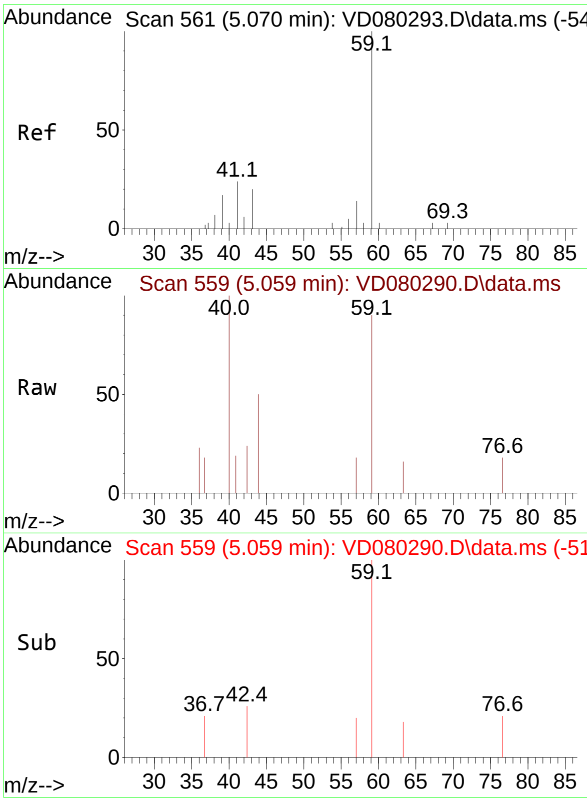

#11
Tert butyl alcohol
Concen: 30.538 ug/l
RT: 5.059 min Scan# 5
Delta R.T. -0.012 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 59 Resp: 284

Ion	Ratio	Lower	Upper
59	100		
57	6.4	10.6	16.0#

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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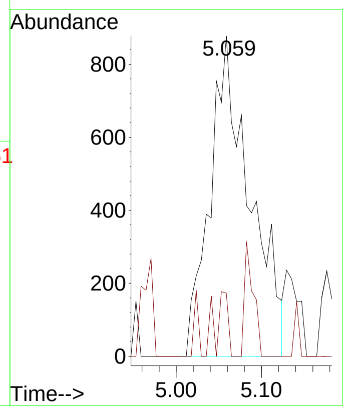
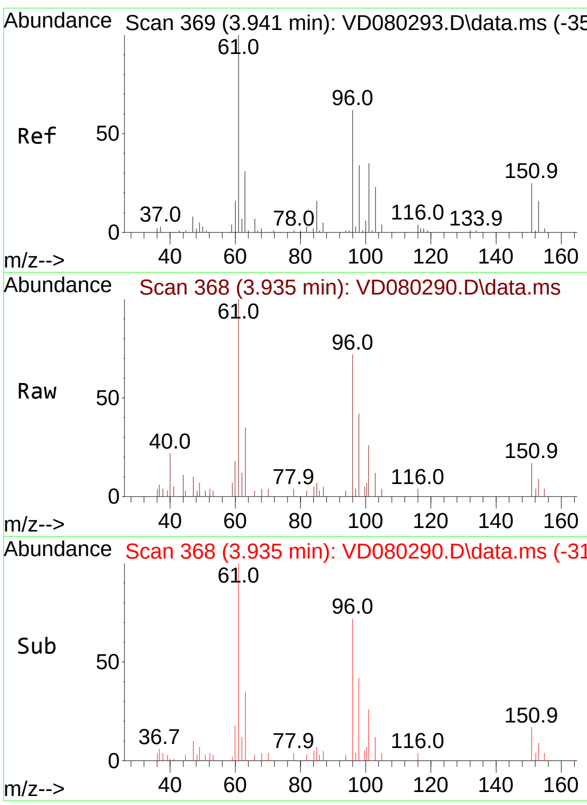
Supervised By :Semsettin Yesilyurt 05/07/2025

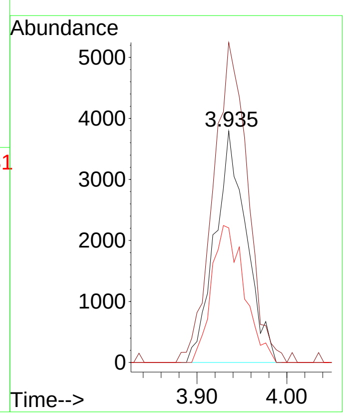


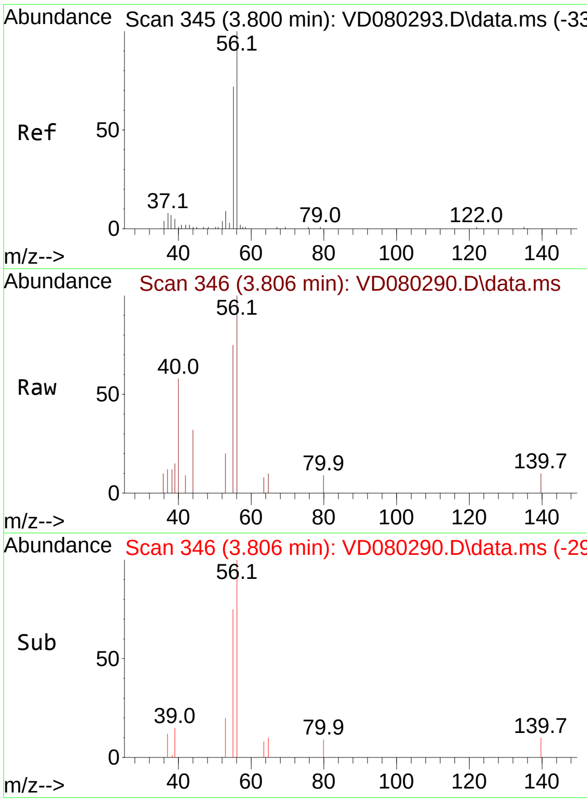


#12
1,1-Dichloroethene
Concen: 6.402 ug/l
RT: 3.935 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 96 Resp: 9216

Ion	Ratio	Lower	Upper
96	100		
61	134.3	128.2	192.2
98	58.2	43.9	65.9





#13
Acrolein
Concen: 29.540 ug/l
RT: 3.806 min Scan# 34
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 4849

Ion	Ratio	Lower	Upper
56	100		
55	80.5	57.4	86.2

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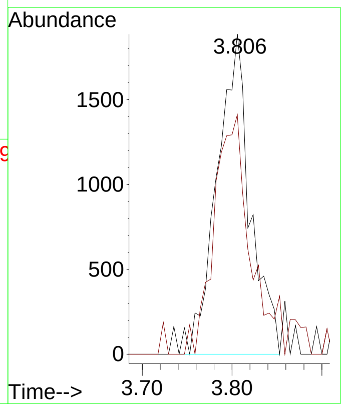
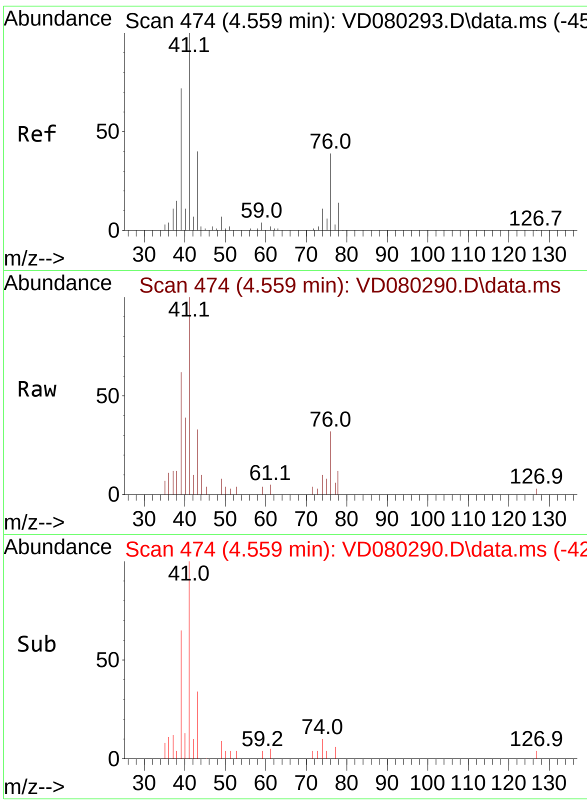
Supervised By :Semsettin Yesilyurt 05/07/2025

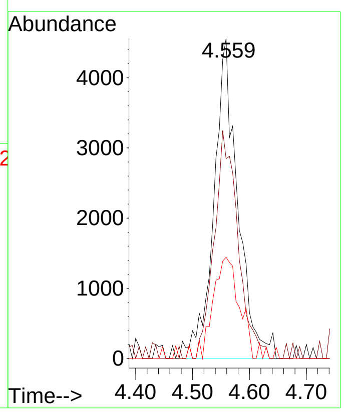


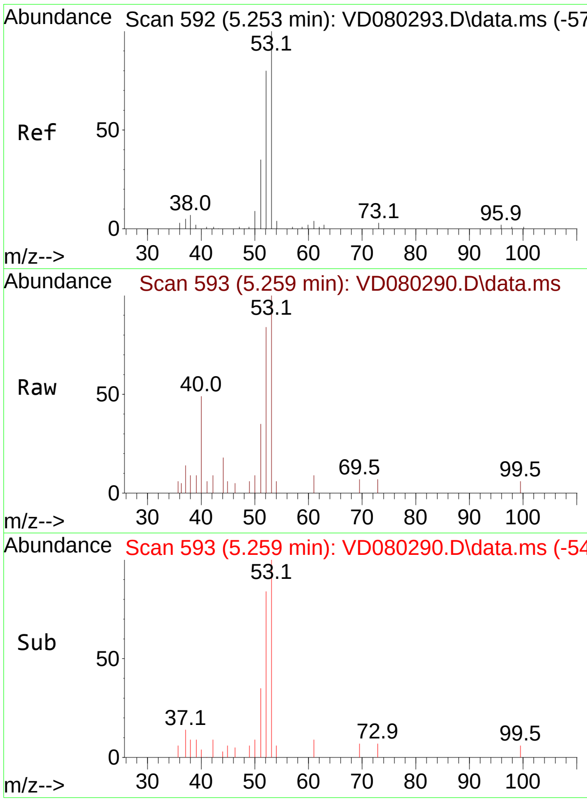


#14
Allyl chloride
Concen: 5.896 ug/l
RT: 4.559 min Scan# 474
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 41 Resp: 13349

Ion	Ratio	Lower	Upper
41	100		
39	71.1	53.0	79.4
76	34.2	28.8	43.2





#15
Acrylonitrile
Concen: 28.700 ug/l
RT: 5.259 min Scan# 5
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 53 Resp: 1009

Ion	Ratio	Lower	Upper
53	100		
52	85.4	67.3	100.9
51	35.6	30.4	45.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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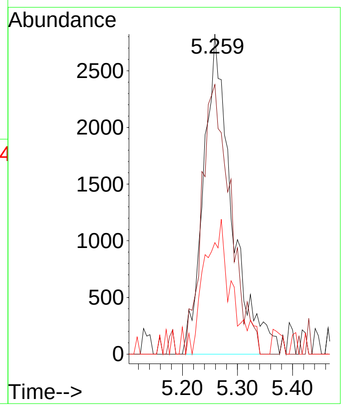
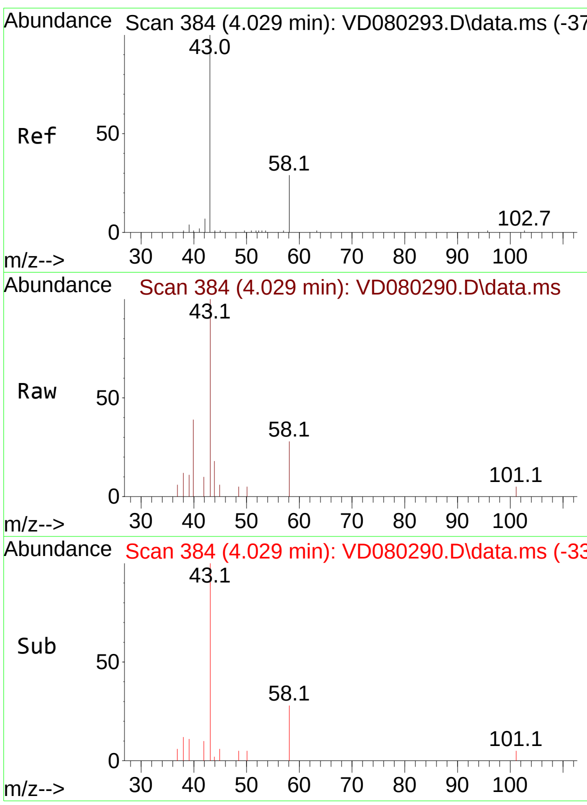
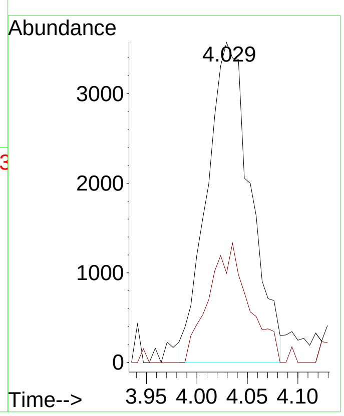




#16
Acetone
Concen: 28.543 ug/l m
RT: 4.029 min Scan# 384
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 10782

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.9	34.3



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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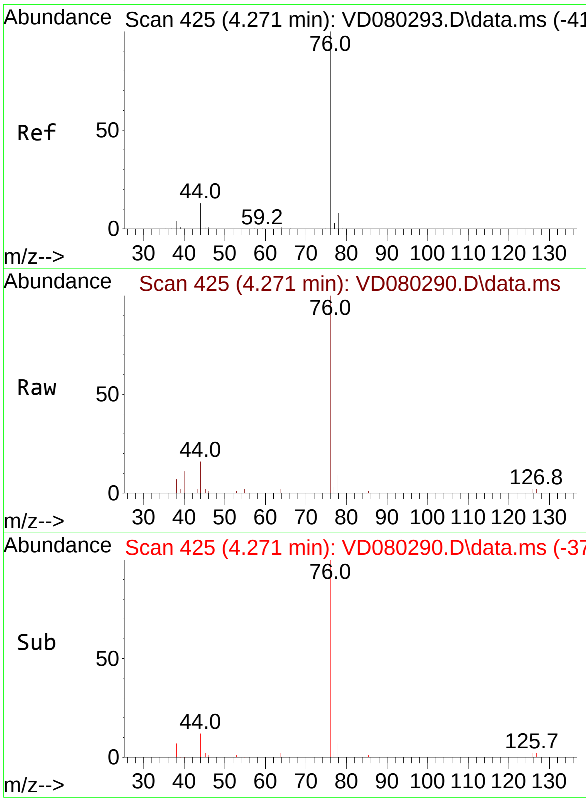
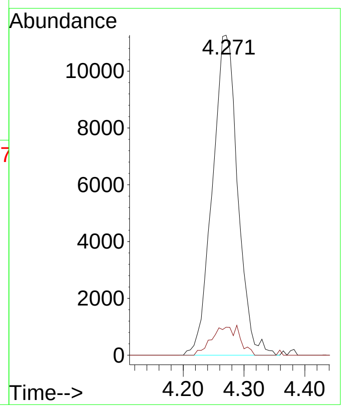
Supervised By :Semsettin Yesilyurt 05/07/2025

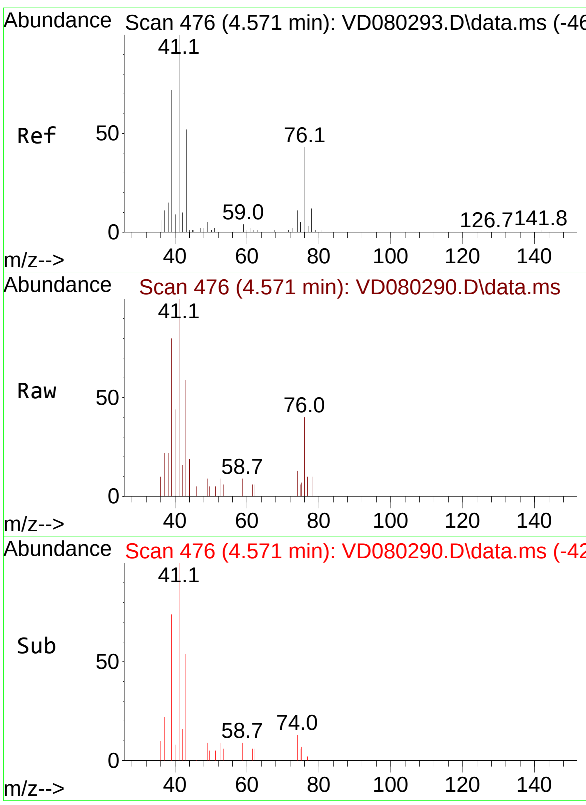


#17
Carbon Disulfide
Concen: 6.523 ug/l
RT: 4.271 min Scan# 42
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 76 Resp: 3261

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	10.0

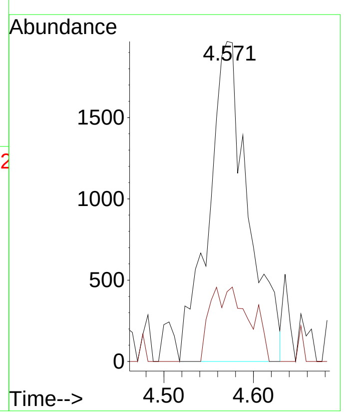




#18
Methyl Acetate
Concen: 6.039 ug/l
RT: 4.571 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 6017

Ion	Ratio	Lower	Upper
43	100		
74	8.3	20.4	30.6#



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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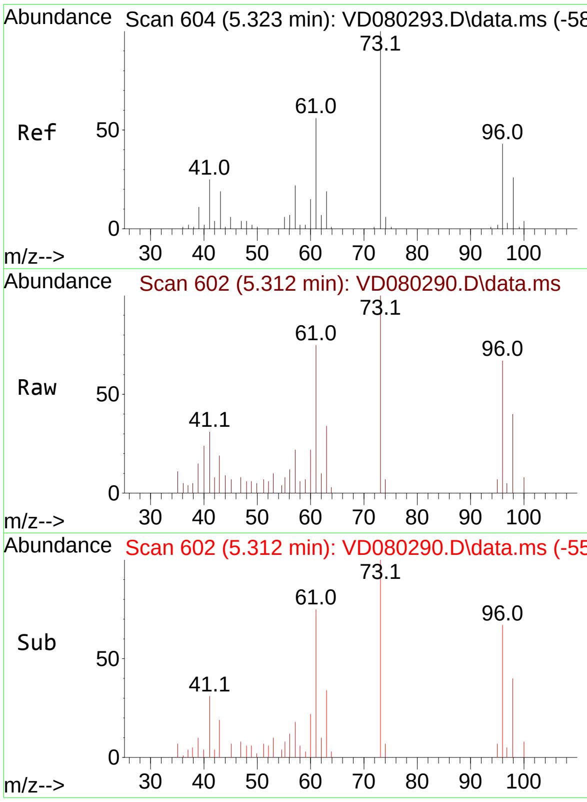
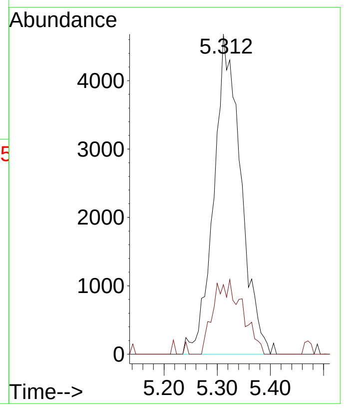
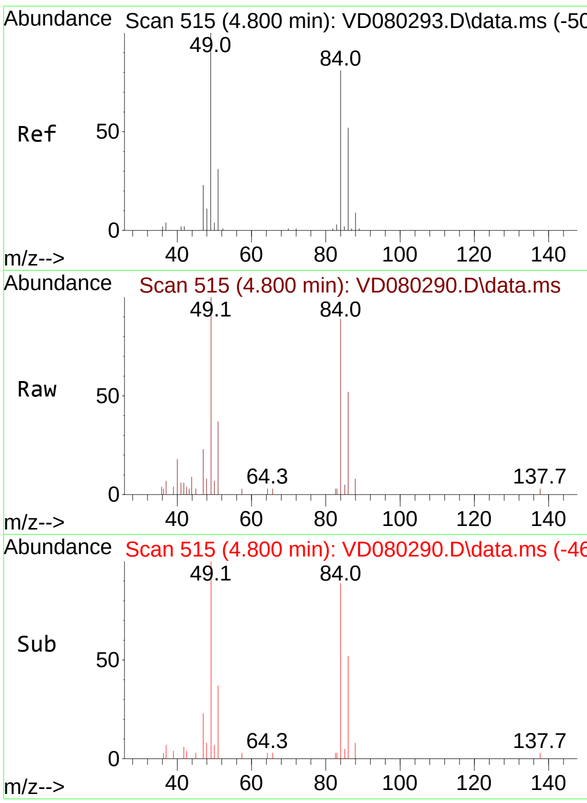


#19
Methyl tert-butyl Ether
Concen: 5.248 ug/l
RT: 5.312 min Scan# 60
Delta R.T. -0.012 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 73 Resp: 16598

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3

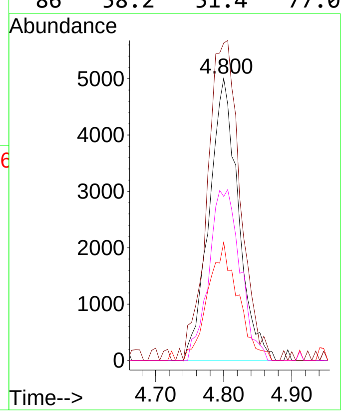




#20
Methylene Chloride
Concen: 5.725 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 84 Resp: 14964

Ion	Ratio	Lower	Upper
84	100		
49	112.5	98.7	148.1
51	41.9	30.8	46.2
86	58.2	51.4	77.0



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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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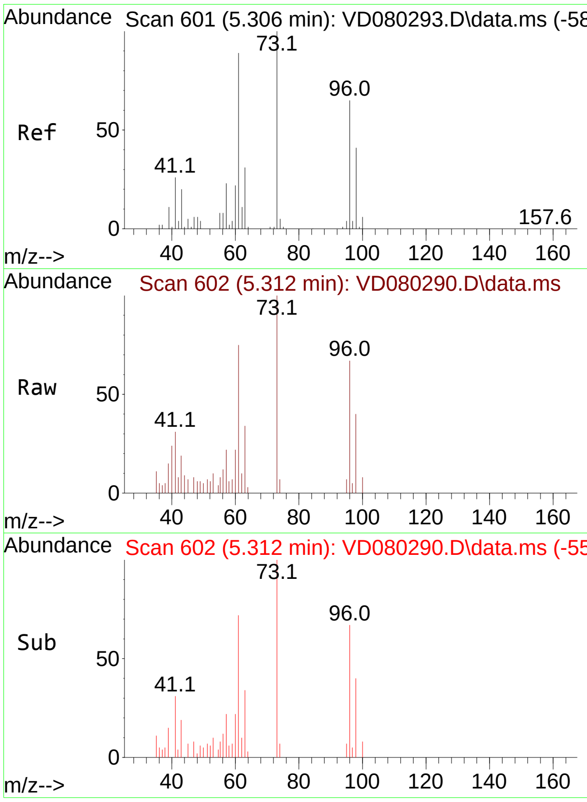
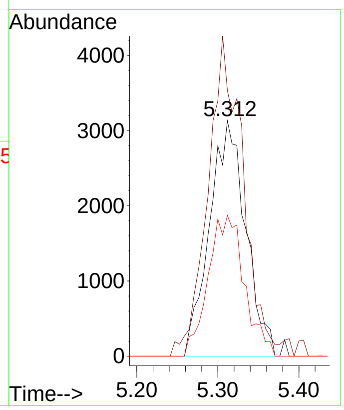
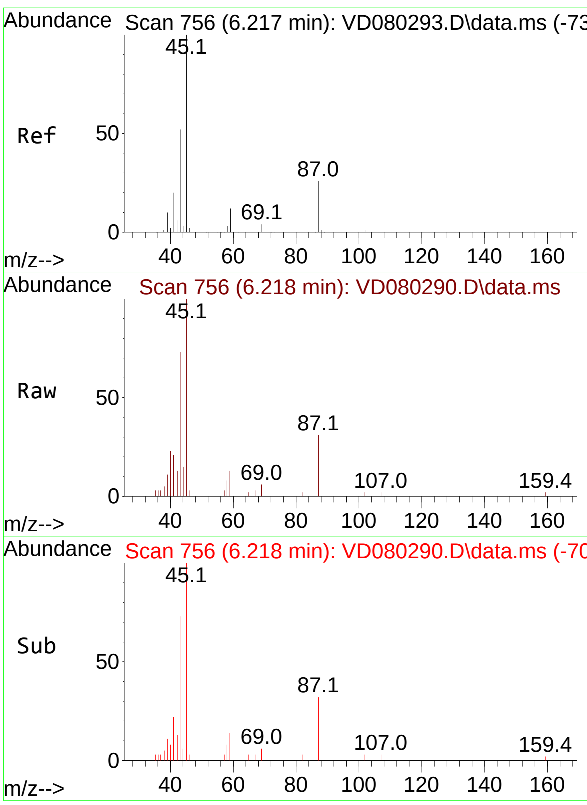


#21
trans-1,2-Dichloroethene
Concen: 6.216 ug/l
RT: 5.312 min Scan# 6(
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 96 Resp: 972

Ion	Ratio	Lower	Upper
96	100		
61	107.8	109.9	164.9#
98	59.8	50.6	75.8

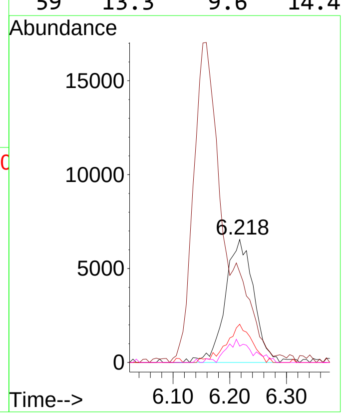


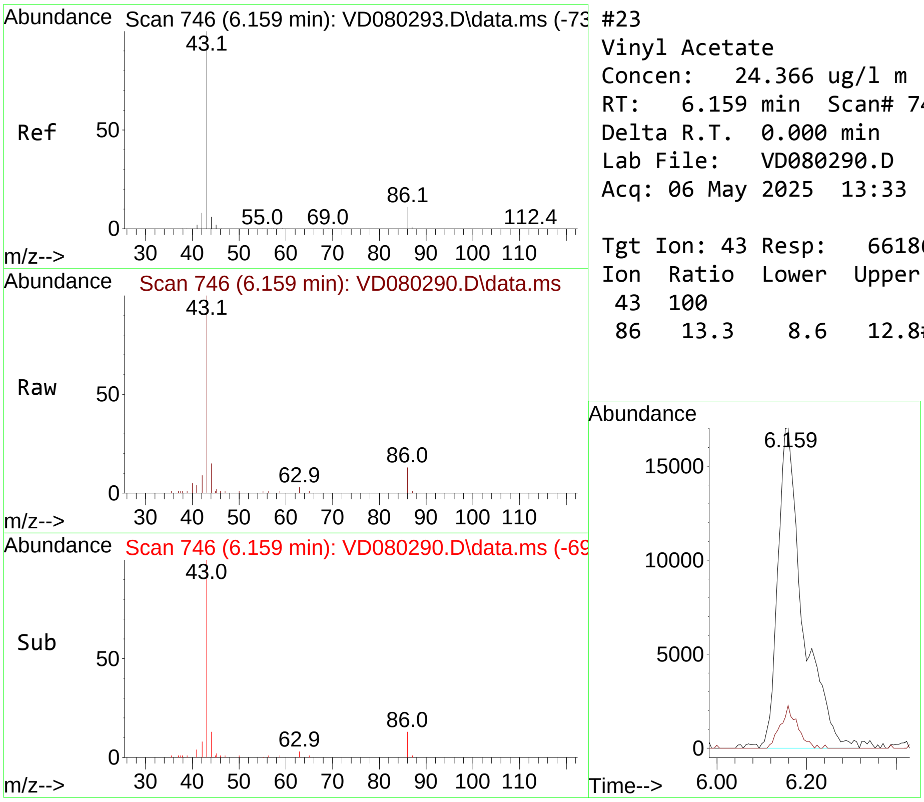


#22
Diisopropyl ether
Concen: 4.882 ug/l
RT: 6.218 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 45 Resp: 22769

Ion	Ratio	Lower	Upper
45	100		
43	67.2	42.5	63.7#
87	31.1	21.4	32.0
59	13.3	9.6	14.4





#23
Vinyl Acetate
Concen: 24.366 ug/l m
RT: 6.159 min Scan# 74
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 66186
Ion Ratio Lower Upper
43 100
86 13.3 8.6 12.8#

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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Reviewed By :Mahesh Dadoda 05/07/2025
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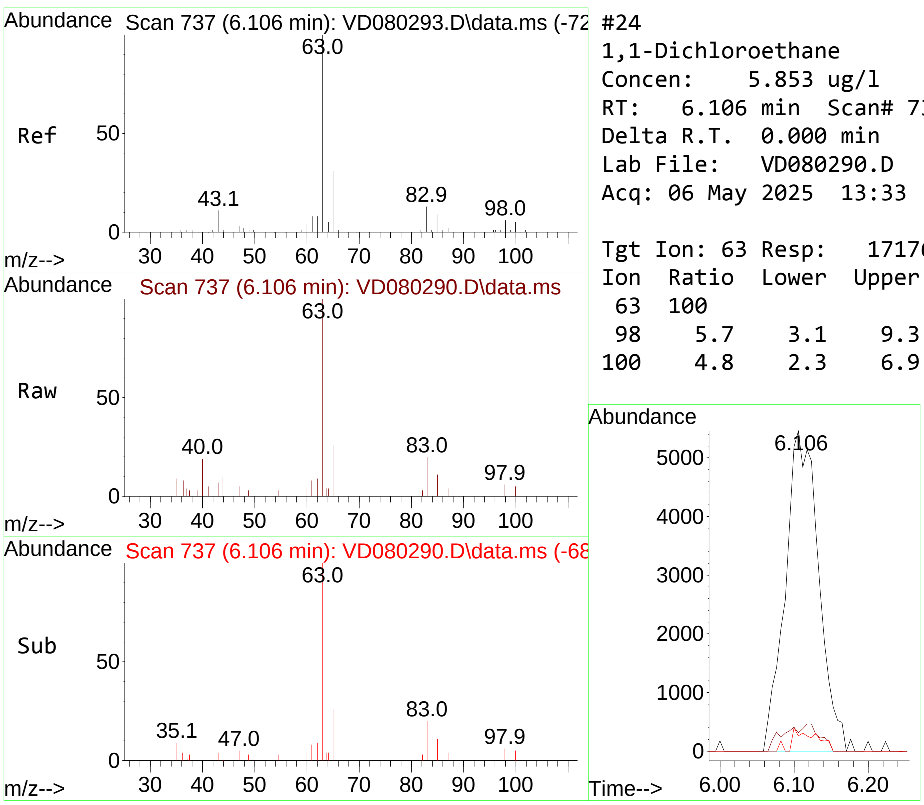

#24
1,1-Dichloroethane
Concen: 5.853 ug/l
RT: 6.106 min Scan# 737
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 63 Resp: 17176
Ion Ratio Lower Upper
63 100
98 5.7 3.1 9.3
100 4.8 2.3 6.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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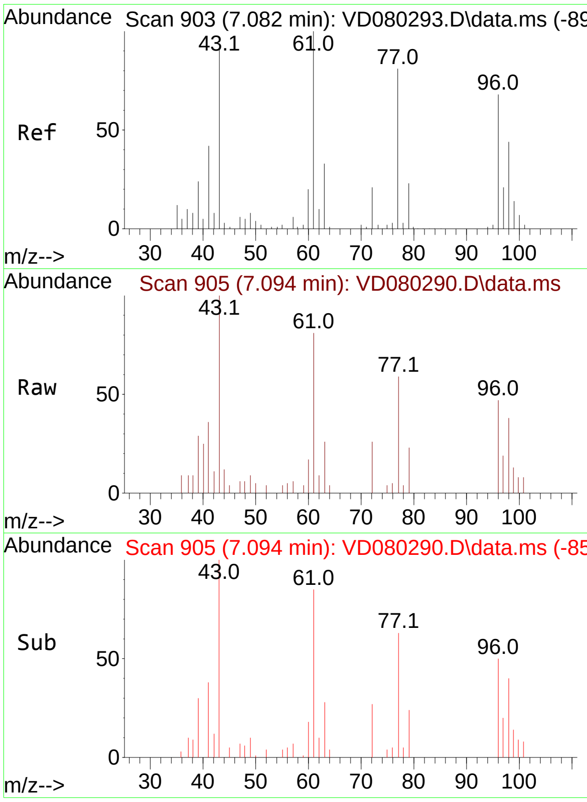
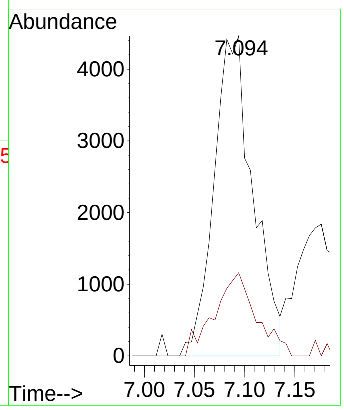
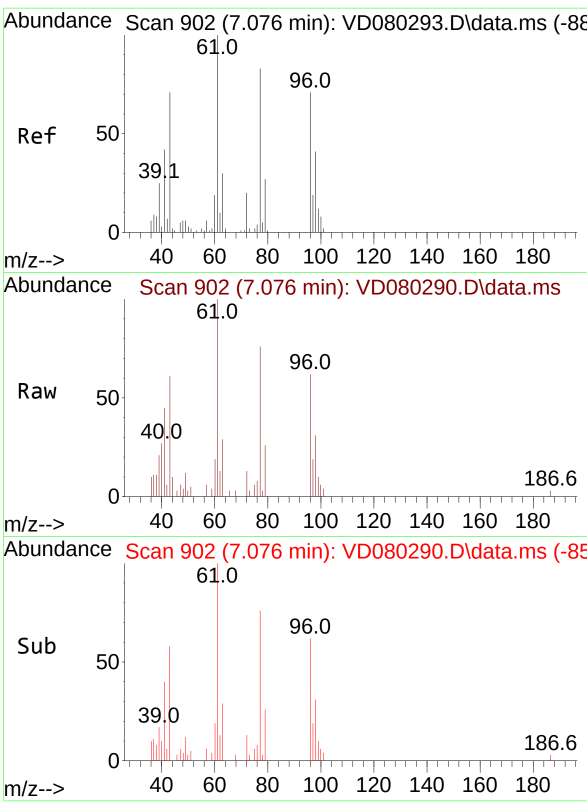


#25
2-Butanone
Concen: 28.646 ug/l
RT: 7.094 min Scan# 90
Delta R.T. 0.012 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 1211

Ion	Ratio	Lower	Upper
43	100		
72	26.0	19.0	28.4

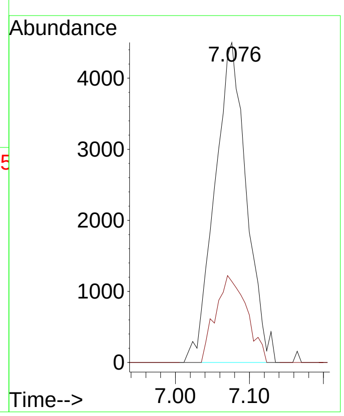


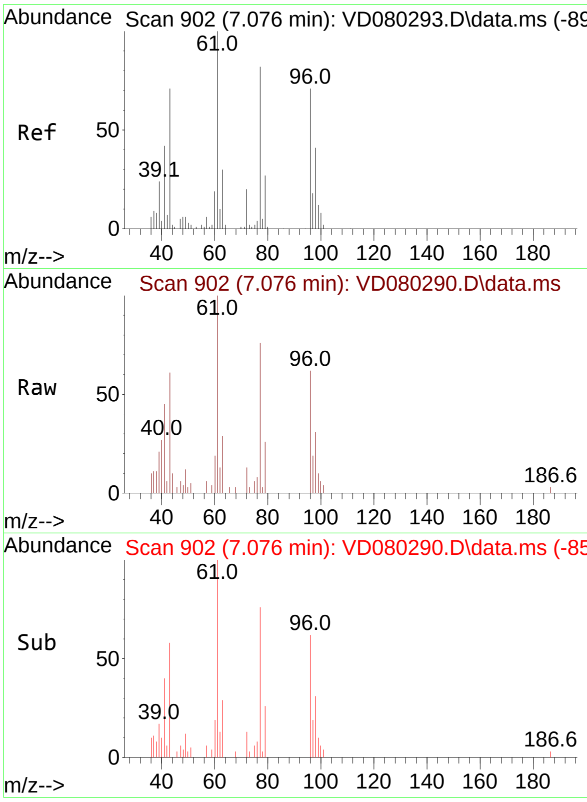


#26
2,2-Dichloropropane
Concen: 5.741 ug/l
RT: 7.076 min Scan# 902
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 77 Resp: 13406

Ion	Ratio	Lower	Upper
77	100		
97	26.6	12.0	36.1





#27
cis-1,2-Dichloroethene
Concen: 5.478 ug/l
RT: 7.076 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 949

Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	293.8
98	64.5	0.0	128.8

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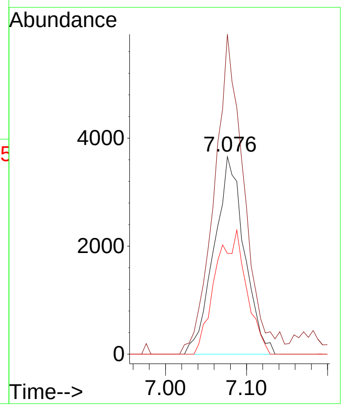
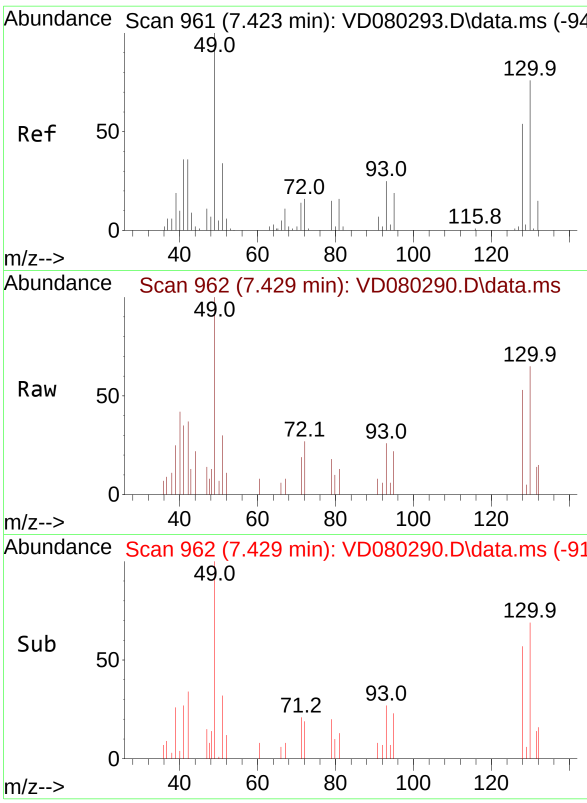
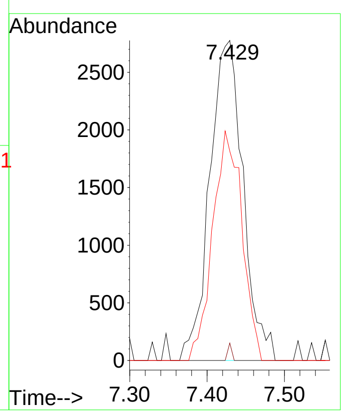


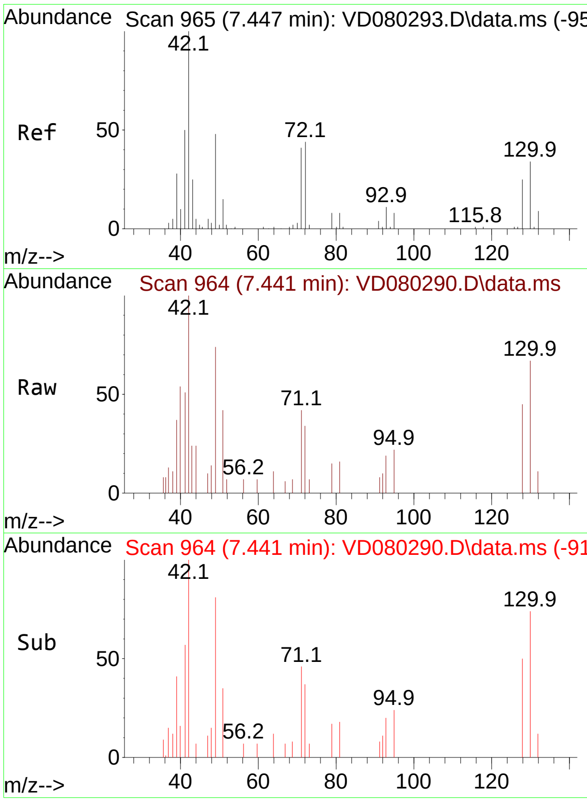


#28
Bromochloromethane
Concen: 6.085 ug/l
RT: 7.429 min Scan# 962
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 49 Resp: 8315

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	62.9	56.0	84.0





#29
Tetrahydrofuran
Concen: 25.357 ug/l
RT: 7.441 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 42 Resp: 699

Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.8	49.2
71	41.7	33.8	50.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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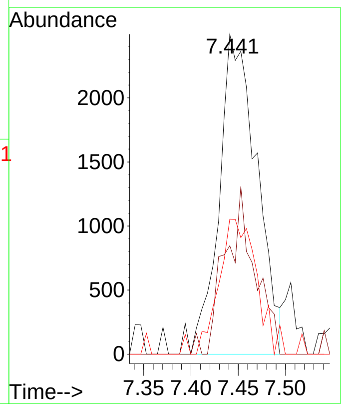
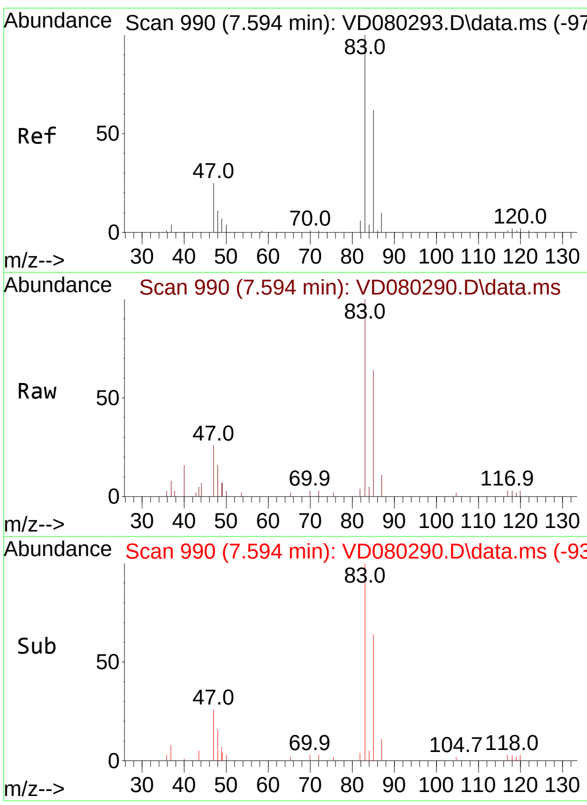
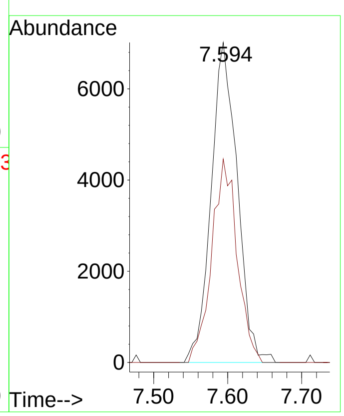




#30
Chloroform
Concen: 5.890 ug/l
RT: 7.594 min Scan# 990
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 83 Resp: 17239

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.0	75.0



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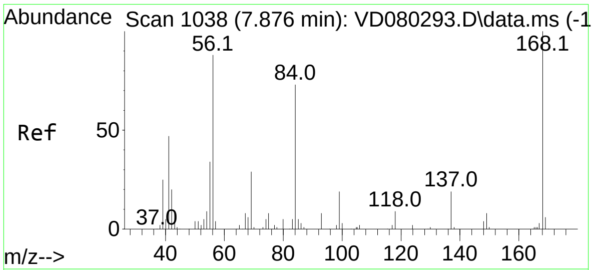
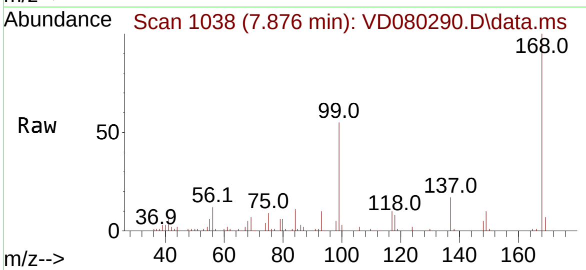
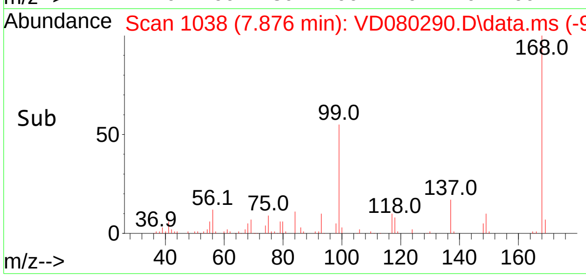






#31
Cyclohexane
Concen: 6.228 ug/l
RT: 7.876 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

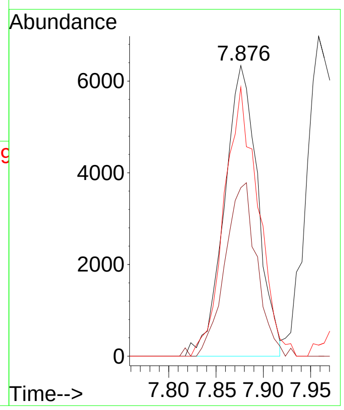
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

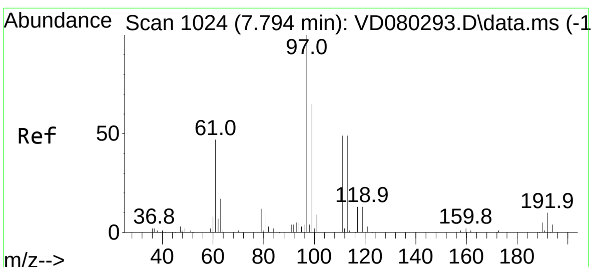
Tgt Ion: 56 Resp: 1555

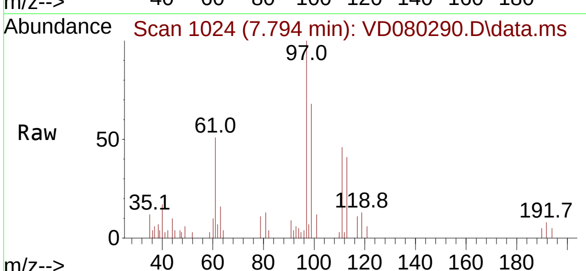
Ion	Ratio	Lower	Upper
56	100		
69	57.9	26.1	39.1#
84	92.6	66.5	99.7

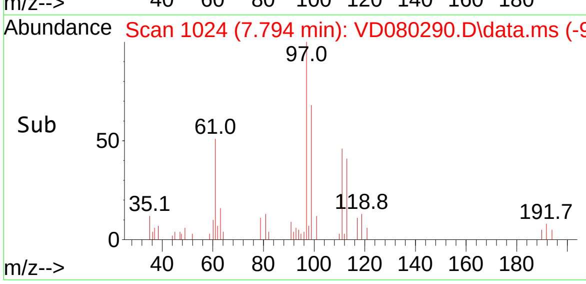
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





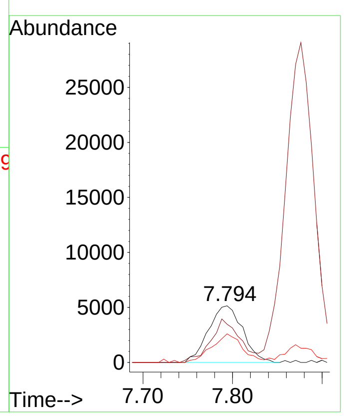


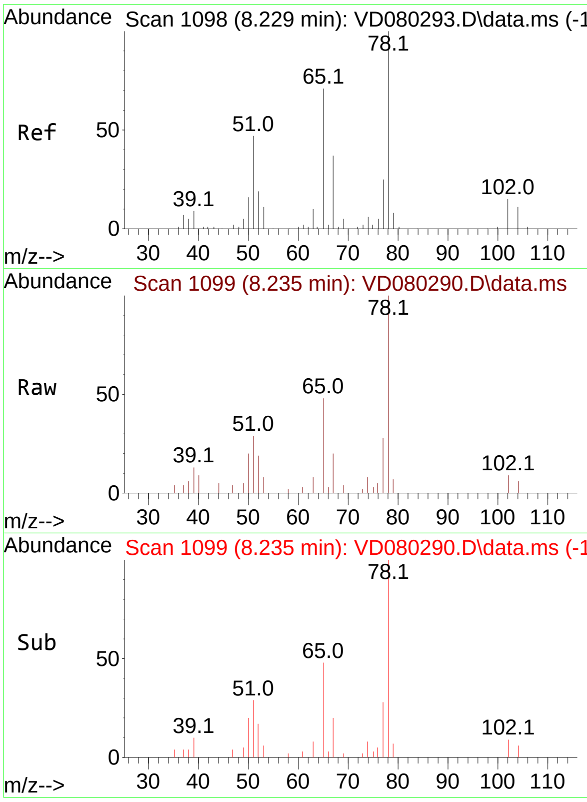


#32
1,1,1-Trichloroethane
Concen: 5.716 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 97 Resp: 13649

Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.4	78.6
61	45.2	37.9	56.9





#33
1,2-Dichloroethane-d4
Concen: 5.951 ug/l
RT: 8.235 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 915

Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	107.6

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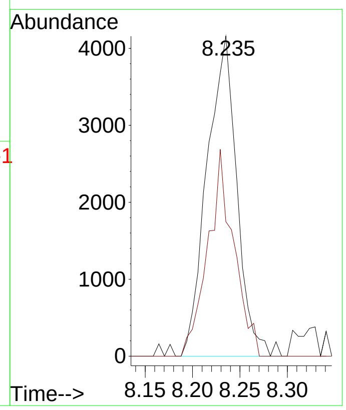
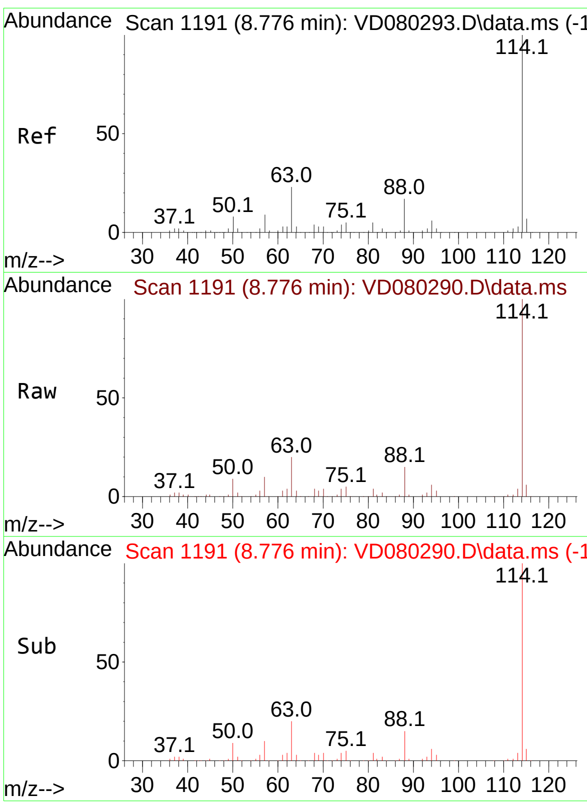
Supervised By :Semsettin Yesilyurt 05/07/2025

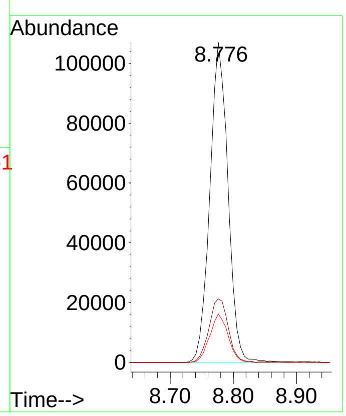




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:114 Resp: 213519

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	45.6
88	15.2	0.0	33.2



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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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Reviewed By :Mahesh Dadoda 05/07/2025
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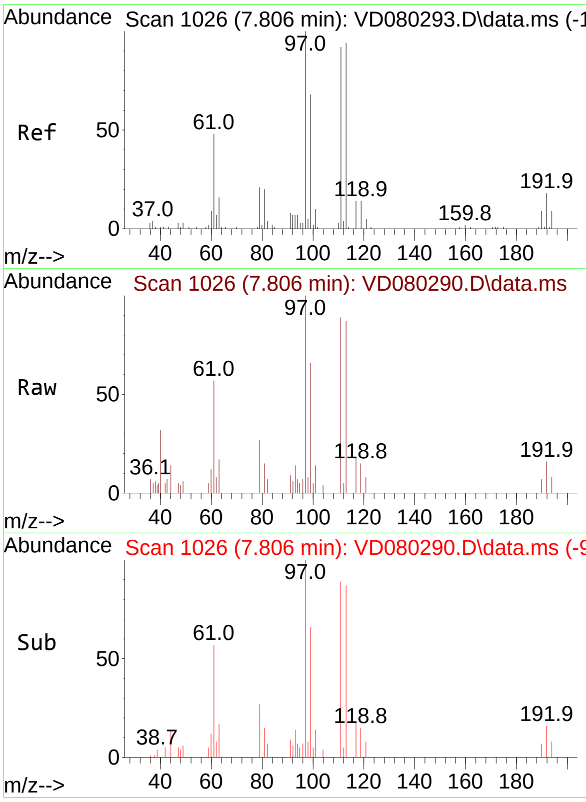
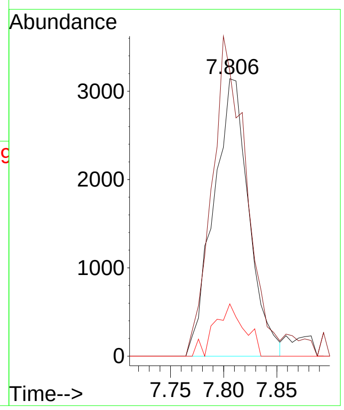
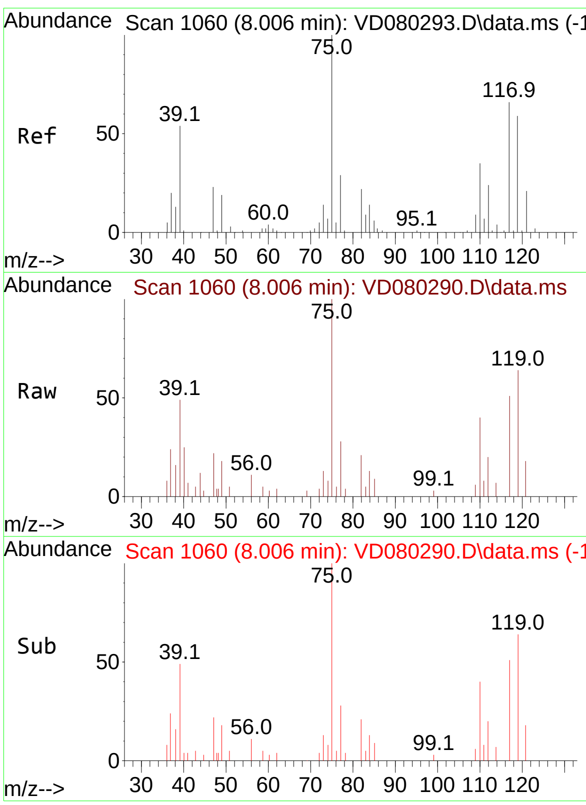


#35
Dibromofluoromethane
Concen: 5.063 ug/l
RT: 7.806 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:113 Resp: 724

Ion	Ratio	Lower	Upper
113	100		
111	111.6	80.7	121.1
192	15.9	15.7	23.5

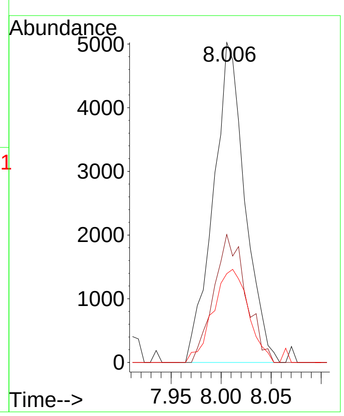




#36
1,1-Dichloropropene
Concen: 5.164 ug/l
RT: 8.006 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 75 Resp: 11045

Ion	Ratio	Lower	Upper
75	100		
110	40.6	17.1	51.2
77	32.5	24.9	37.3



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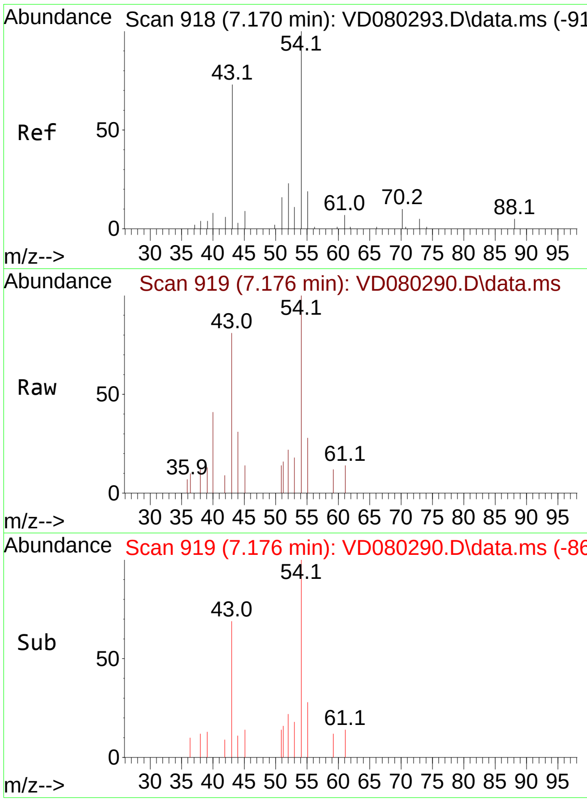

#37
Ethyl Acetate
Concen: 5.367 ug/l
RT: 7.176 min Scan# 9
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 598

Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.4
70	2.5	8.7	13.1#

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Reviewed By :Mahesh Dadoda 05/07/2025
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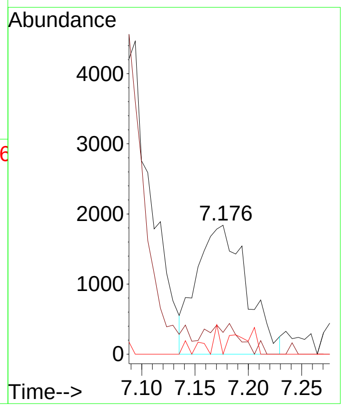
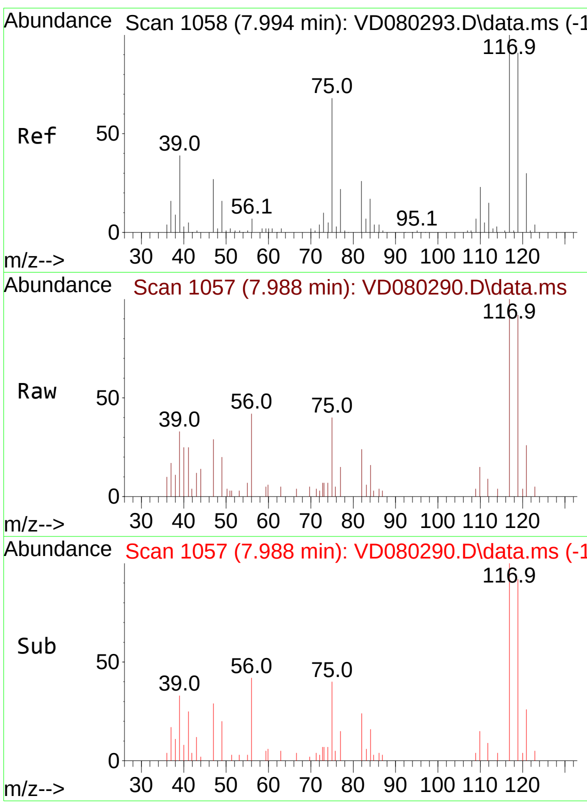
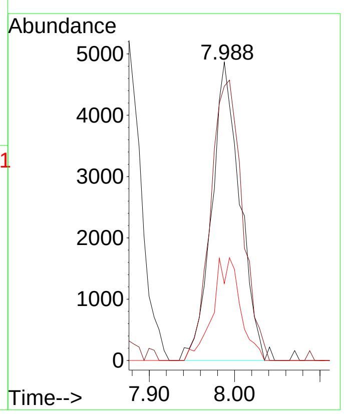


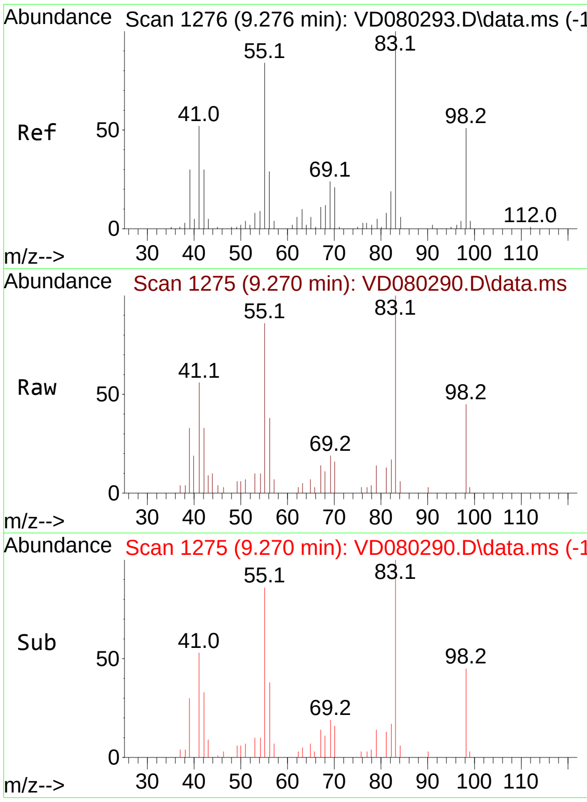


#38
Carbon Tetrachloride
Concen: 5.046 ug/l
RT: 7.988 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:117 Resp: 11256

Ion	Ratio	Lower	Upper
117	100		
119	92.0	72.7	109.1
121	25.8	24.4	36.6

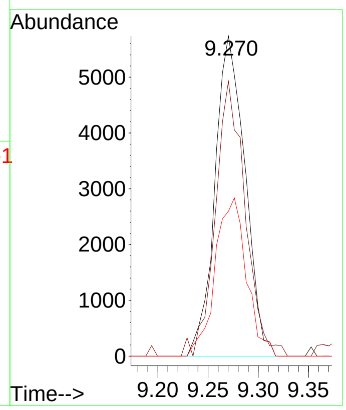




#39
Methylcyclohexane
Concen: 4.825 ug/l
RT: 9.270 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 83 Resp: 1197

Ion	Ratio	Lower	Upper
83	100		
55	85.9	67.4	101.2
98	45.2	40.6	61.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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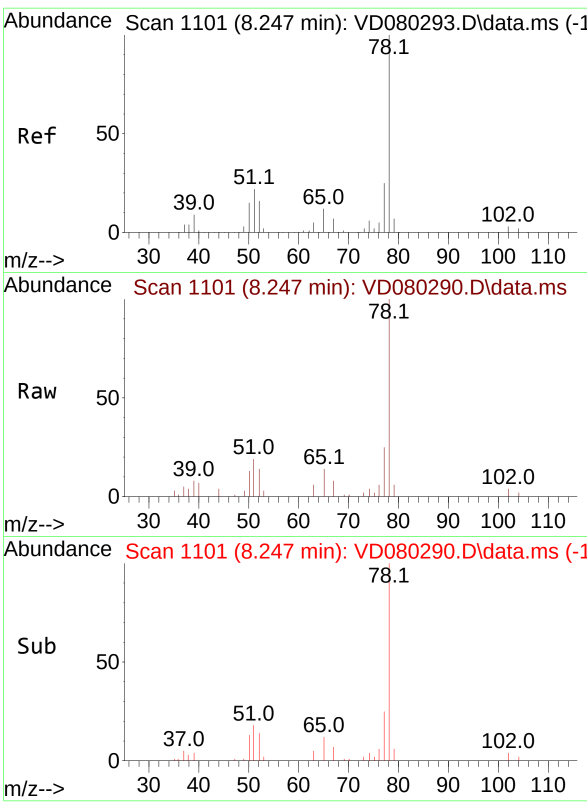
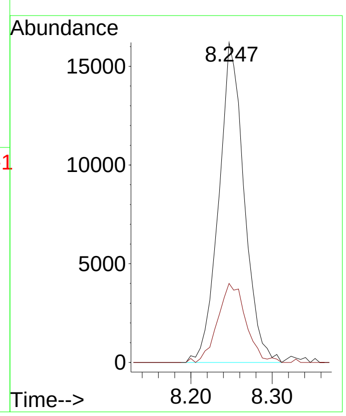
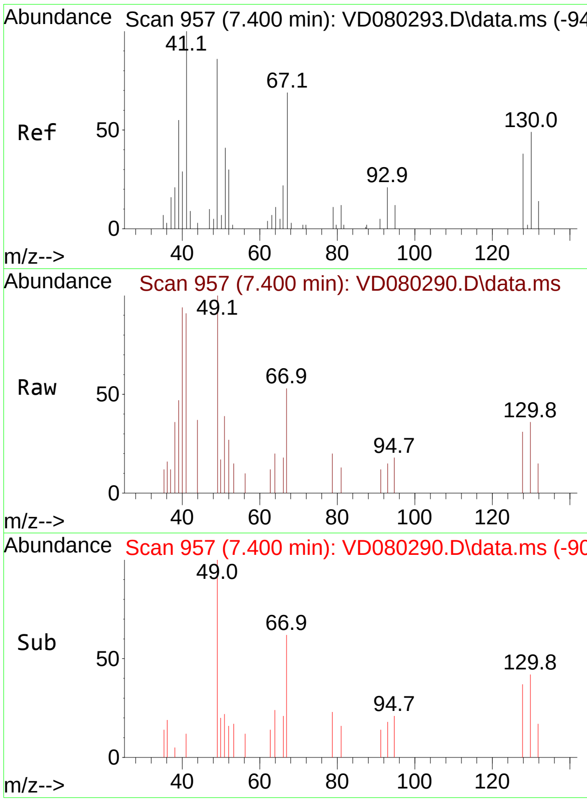


#40
Benzene
Concen: 5.267 ug/l
RT: 8.247 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 78 Resp: 35294

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.8





#41
Methacrylonitrile
Concen: 5.725 ug/l
RT: 7.400 min Scan# 9!
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 354

Ion	Ratio	Lower	Upper
41	100		
39	46.3	44.4	66.6
67	60.5	57.1	85.7
52	25.6	27.8	41.8#

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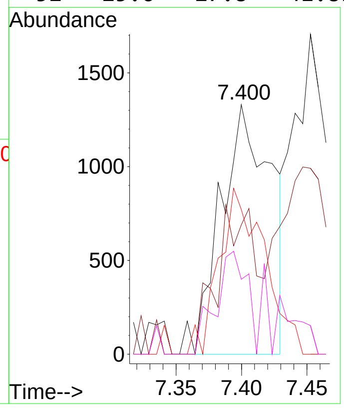
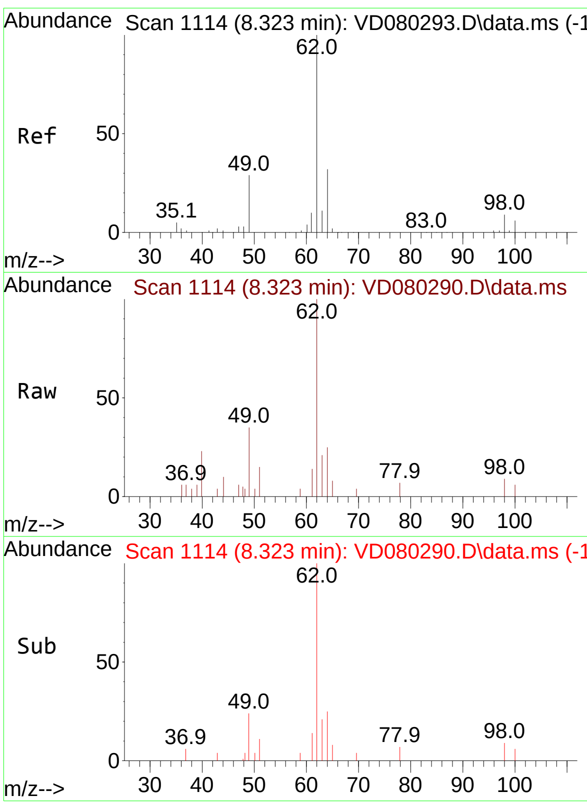
Supervised By :Semsettin Yesilyurt 05/07/2025

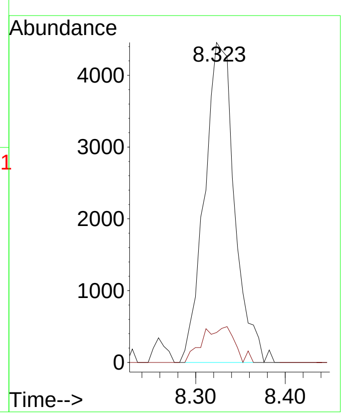


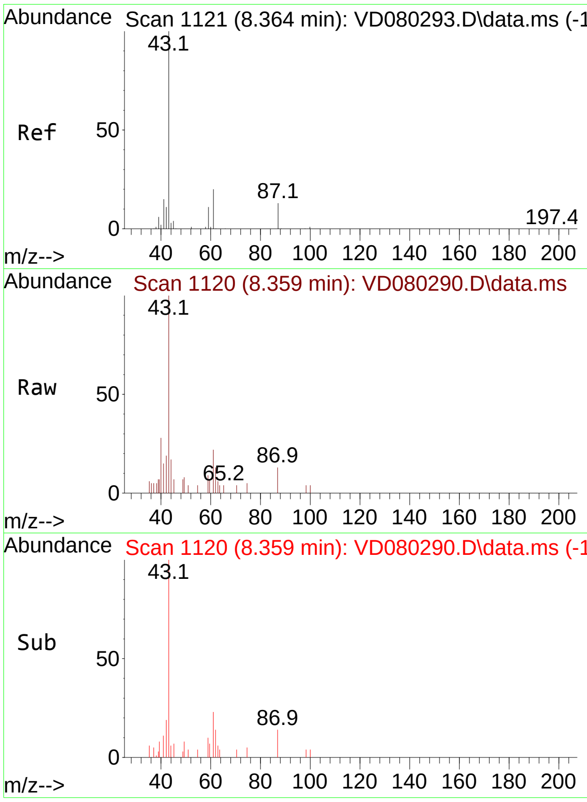


#42
1,2-Dichloroethane
Concen: 5.372 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 62 Resp: 10431

Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	20.2





#43
Isopropyl Acetate
Concen: 4.922 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 998

Ion	Ratio	Lower	Upper
43	100		
61	3.2	16.7	25.1#
87	14.9	10.4	15.6

Instrument : MSVOA_D
ClientSampleId : VSTDICC005

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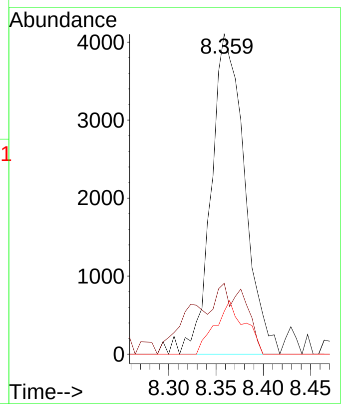
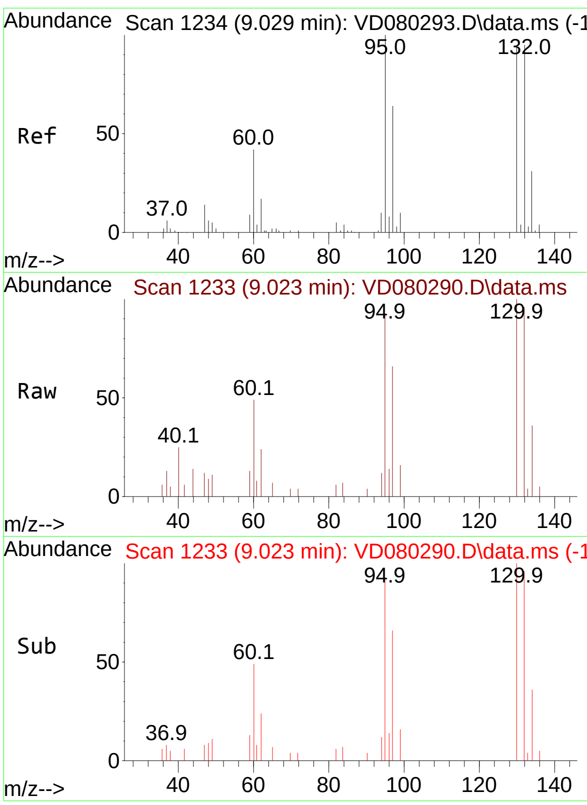
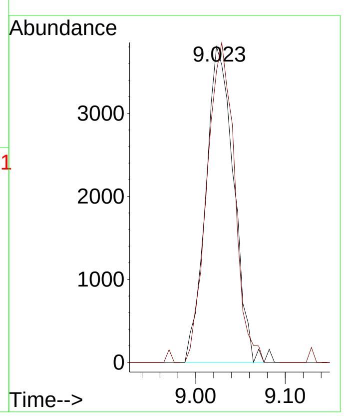




#44
Trichloroethene
Concen: 5.329 ug/l
RT: 9.023 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:130 Resp: 8290

Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	212.2



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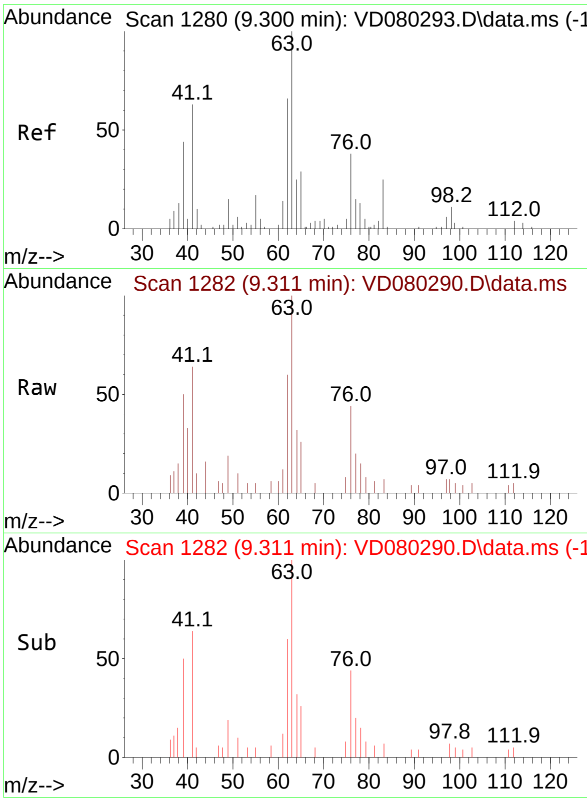


```
#45
1,2-Dichloropropane
Concen:    5.016 ug/l
RT:   9.311 min  Scan# 1
Delta R.T.  0.012 min
Lab File:   VD080290.D
Acq: 06 May 2025  13:33

Tgt Ion: 63 Resp:    862
Ion  Ratio  Lower  Upper
 63  100
 65   25.8   22.9   34.3
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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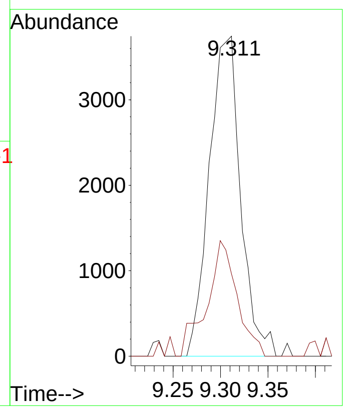
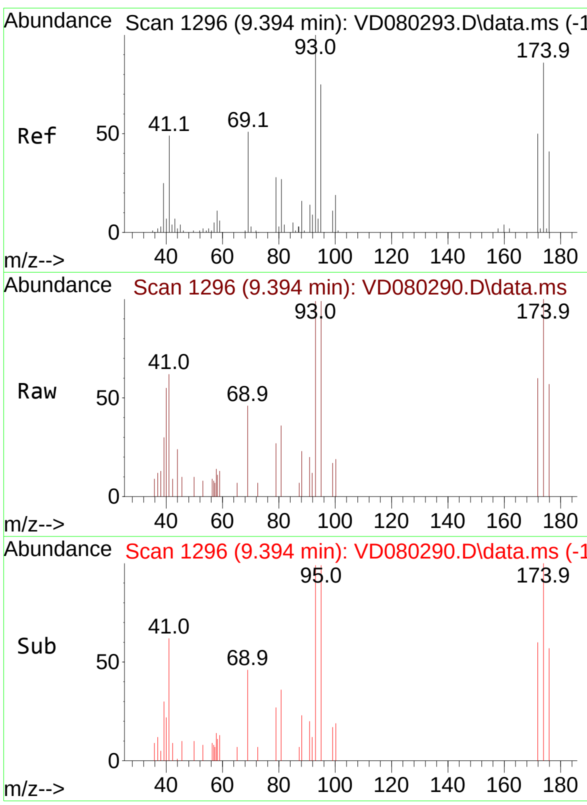
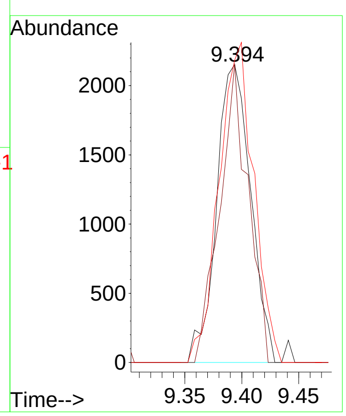
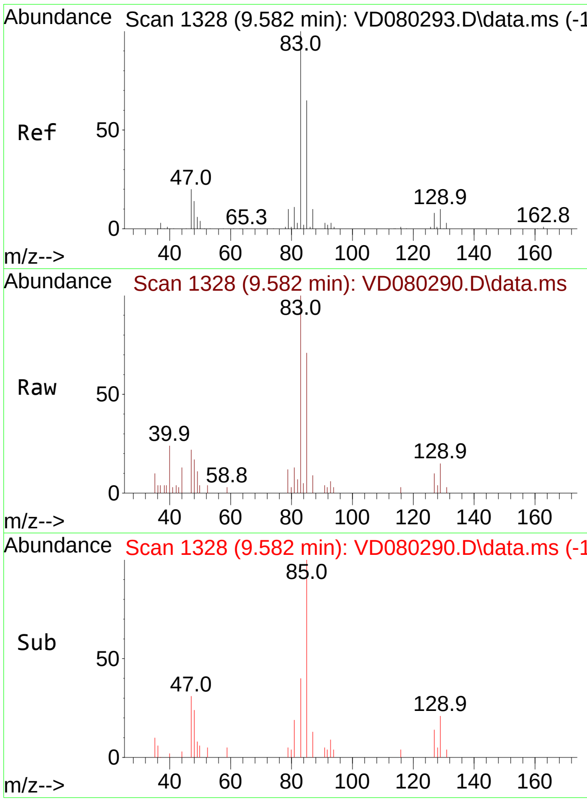





```
#46
Dibromomethane
Concen:    4.806 ug/l
RT:   9.394 min  Scan# 1296
Delta R.T.  0.000 min
Lab File:   VD080290.D
Acq: 06 May 2025  13:33

Tgt Ion: 93 Resp:    4497
Ion  Ratio  Lower  Upper
 93  100
 95   84.3   67.3  100.9
174  109.1   75.5  113.3
```





#47
Bromodichloromethane
Concen: 5.177 ug/l
RT: 9.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 83 Resp: 1229

Ion	Ratio	Lower	Upper
83	100		
85	70.8	51.7	77.5
127	10.0	6.6	9.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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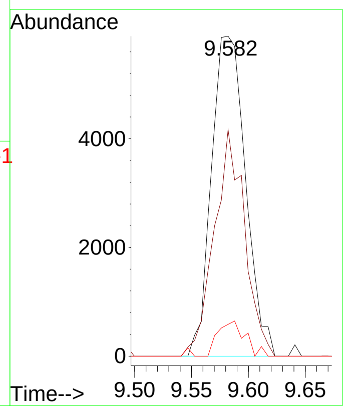
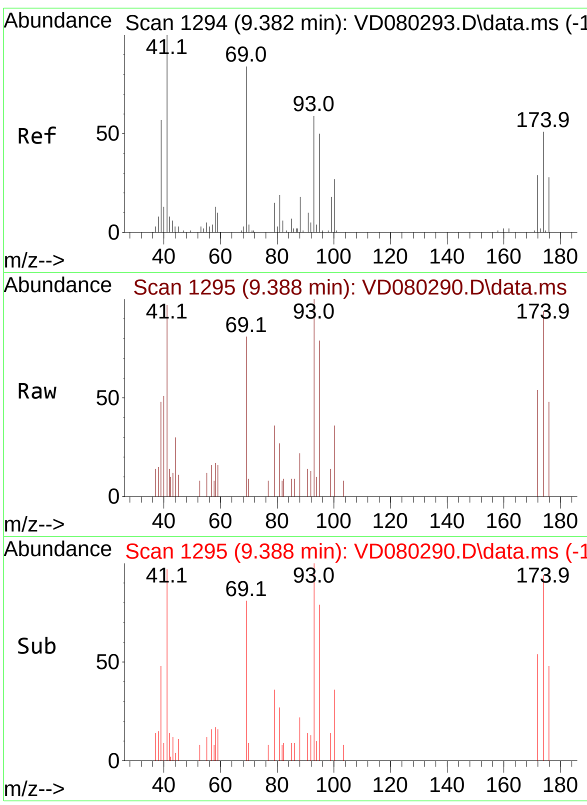
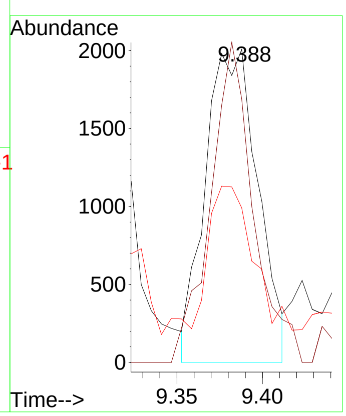




#48
Methyl methacrylate
Concen: 4.458 ug/l m
RT: 9.388 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 41 Resp: 4296

Ion	Ratio	Lower	Upper
41	100		
69	83.3	67.8	101.8
39	54.7	47.5	71.3



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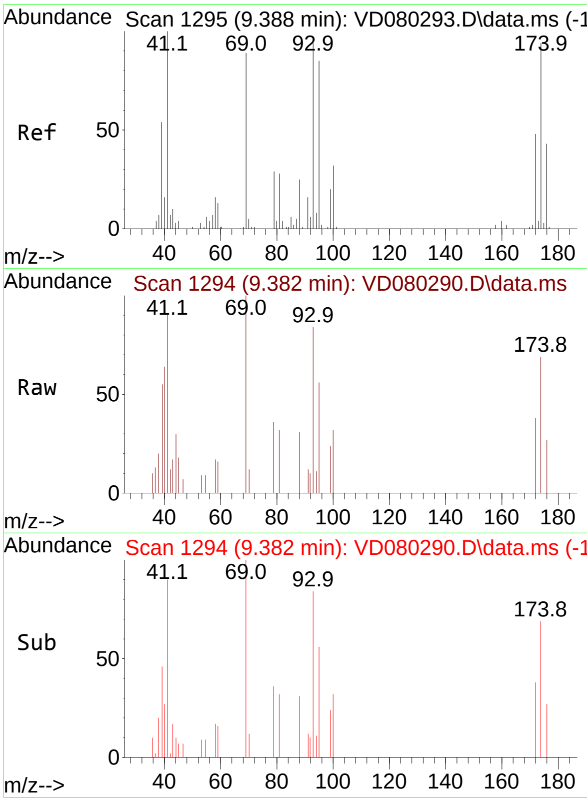

#49
1,4-Dioxane
Concen: 100.311 ug/l
RT: 9.382 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 111(

Ion	Ratio	Lower	Upper
88	100		
43	44.3	31.4	47.2
58	101.8	61.8	92.6#

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Reviewed By :Mahesh Dadoda 05/07/2025
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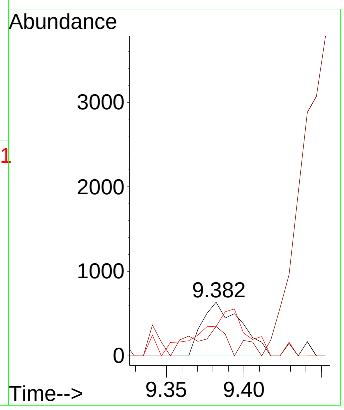
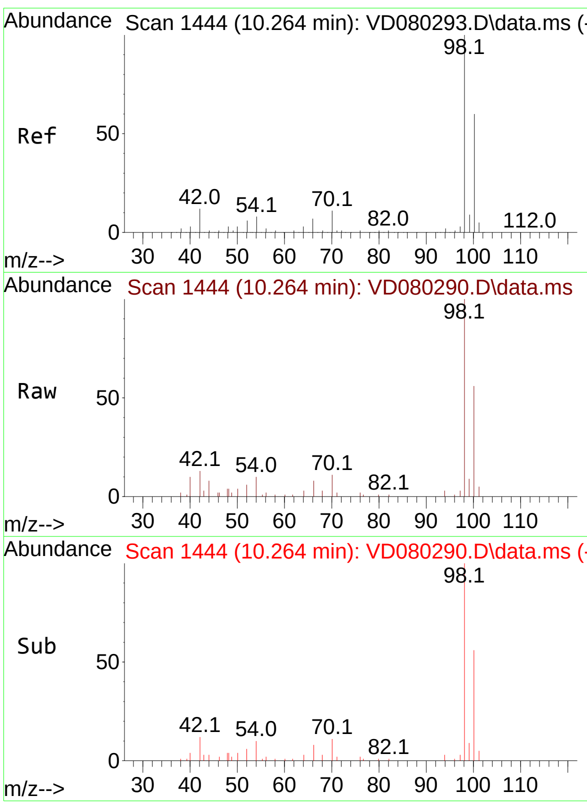
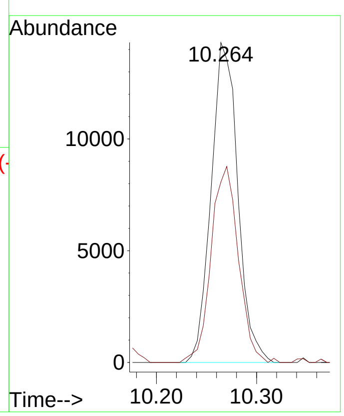




#50
Toluene-d8
Concen: 4.702 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 98 Resp: 26514

Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.0	75.0



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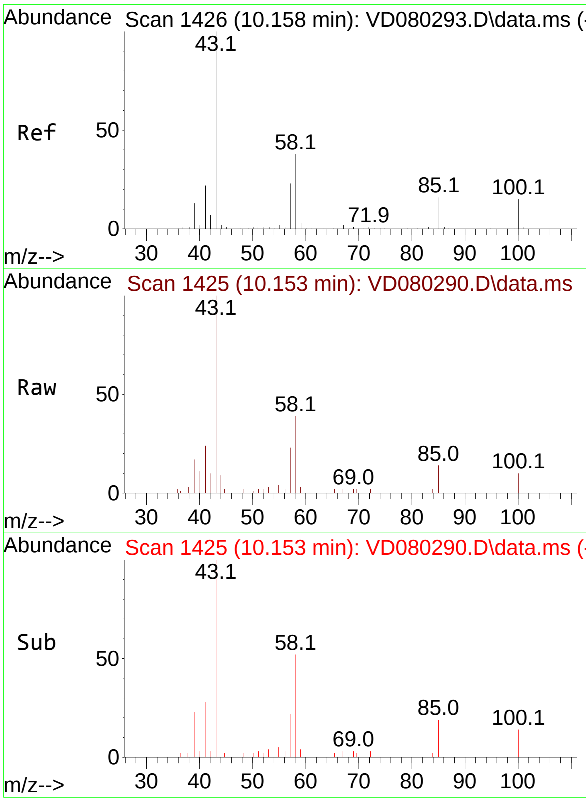

#51
4-Methyl-2-Pentanone
Concen: 21.509 ug/l
RT: 10.153 min Scan# 14
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 2247(
Ion Ratio Lower Upper
43 100
58 37.5 30.6 46.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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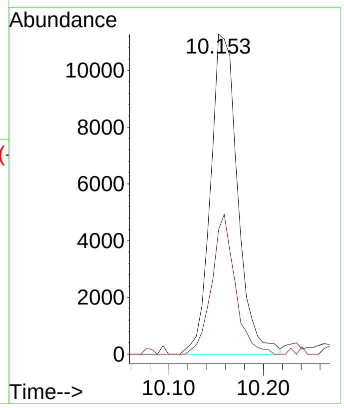
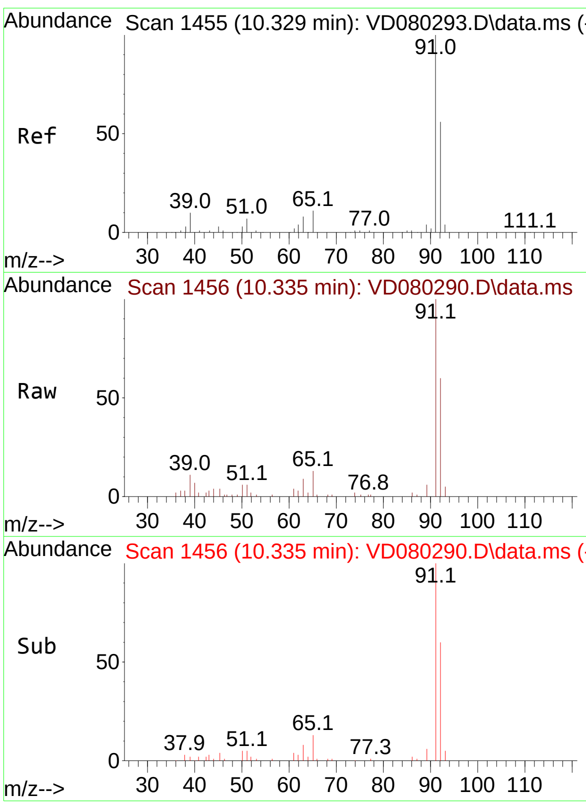
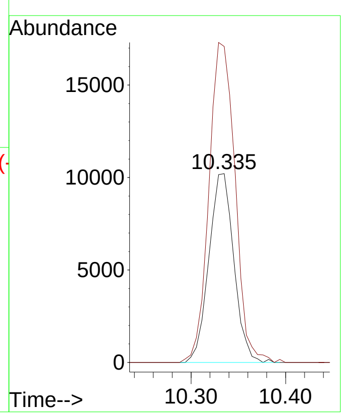
Supervised By :Semsettin Yesilyurt 05/07/2025

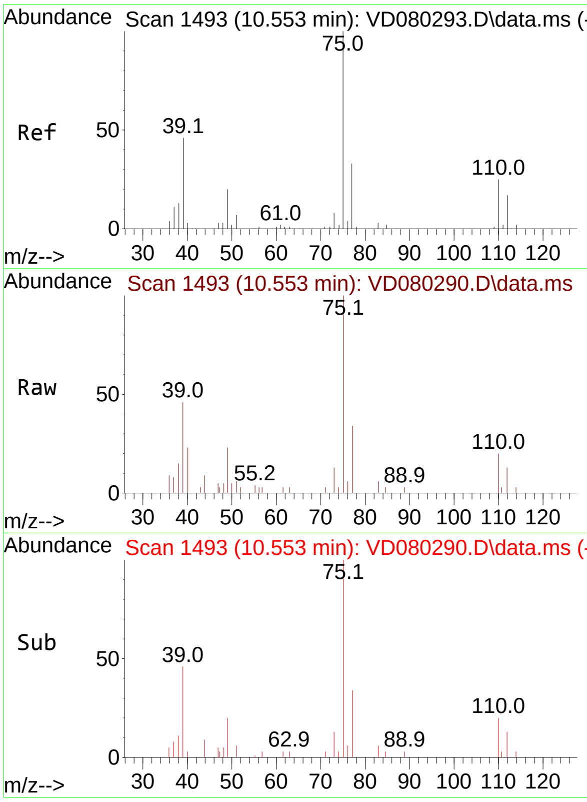




#52
Toluene
Concen: 4.652 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 92 Resp: 18781
Ion Ratio Lower Upper
92 100
91 177.1 143.4 215.2





#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.553 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

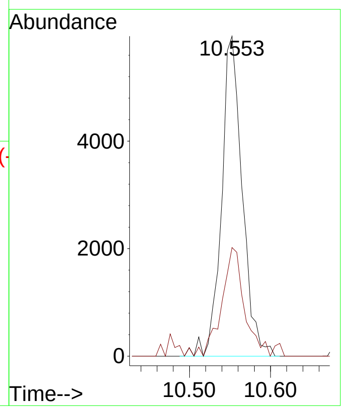
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

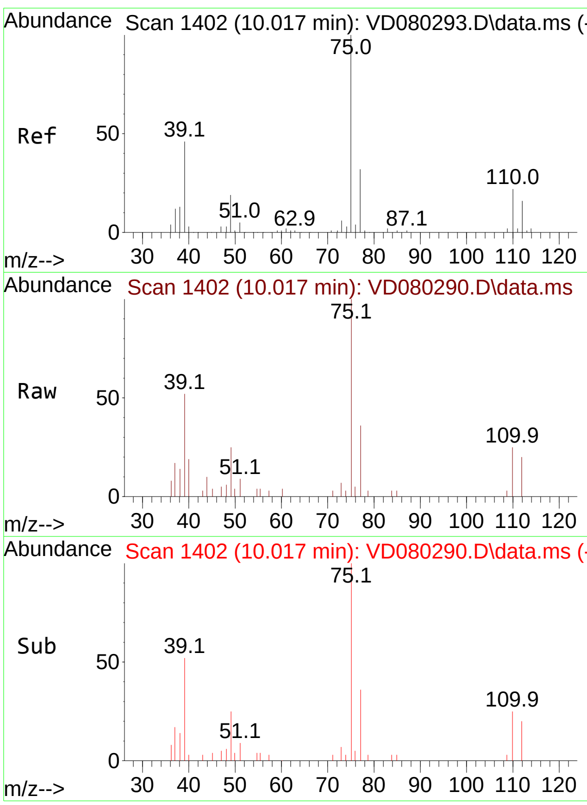
Tgt Ion: 75 Resp: 1063

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

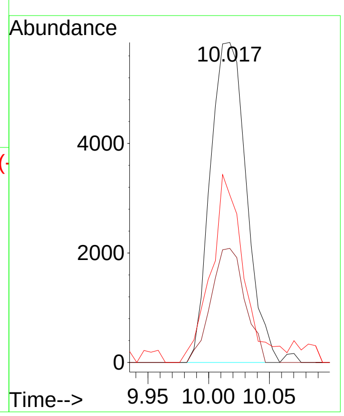


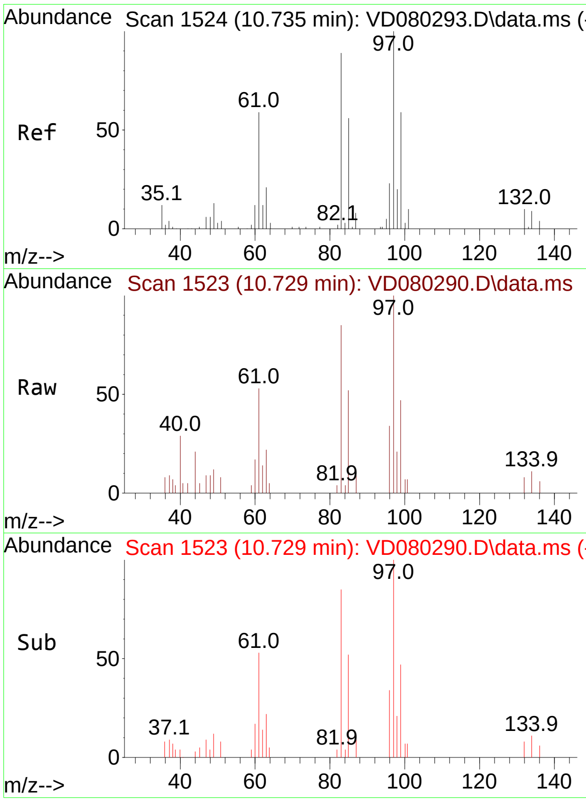


#54
cis-1,3-Dichloropropene
Concen: 4.816 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 75 Resp: 12084

Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.8	38.6
39	52.4	37.0	55.6





#55
1,1,2-Trichloroethane
Concen: 5.091 ug/l
RT: 10.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 630

Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	52.5	44.9	67.3
99	47.2	46.9	70.3

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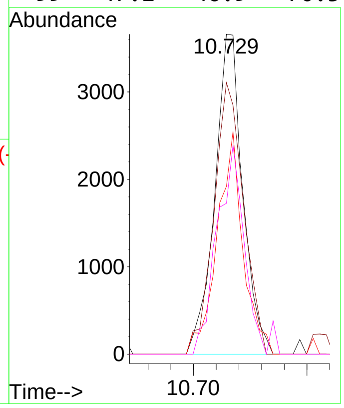
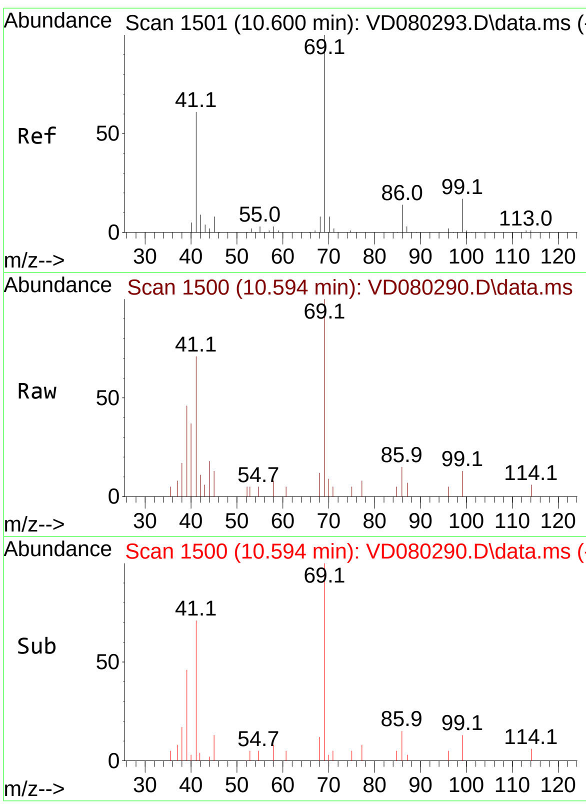
Supervised By :Semsettin Yesilyurt 05/07/2025

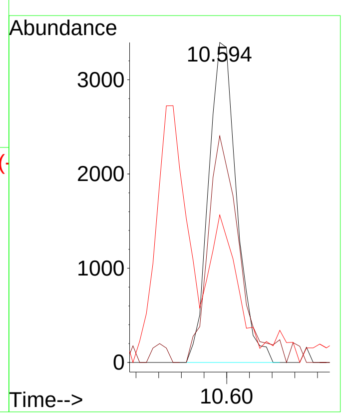


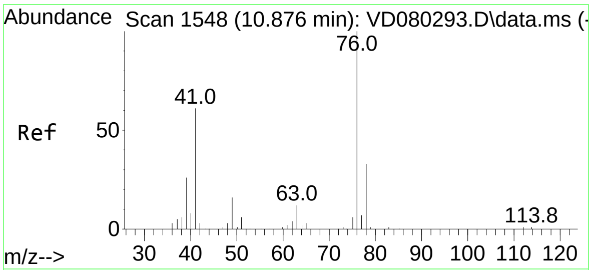


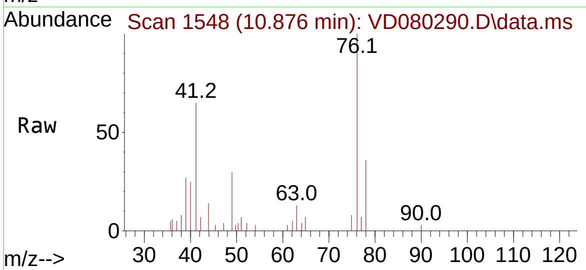
#56
Ethyl methacrylate
Concen: 3.914 ug/l
RT: 10.594 min Scan# 1500
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

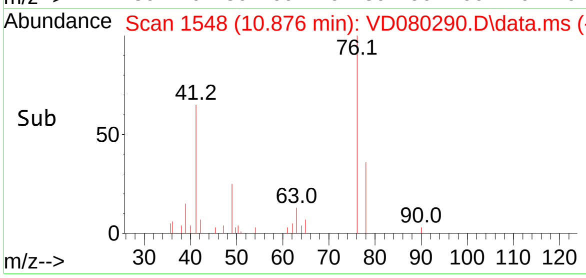
Tgt Ion: 69 Resp: 5870

Ion	Ratio	Lower	Upper
69	100		
41	78.4	53.2	79.8
39	48.5	28.2	42.2#









#57
1,3-Dichloropropane
Concen: 4.821 ug/l
RT: 10.876 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 76 Resp: 991

Ion	Ratio	Lower	Upper
76	100		
78	35.9	27.2	40.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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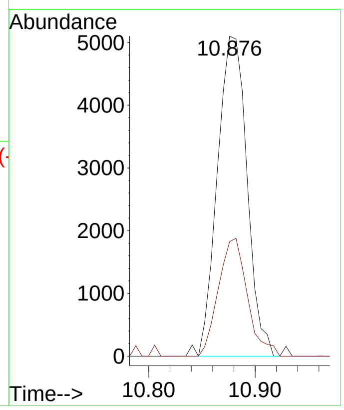
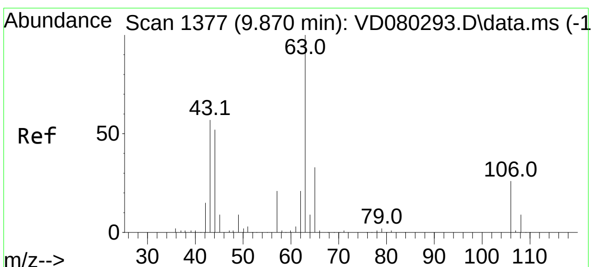
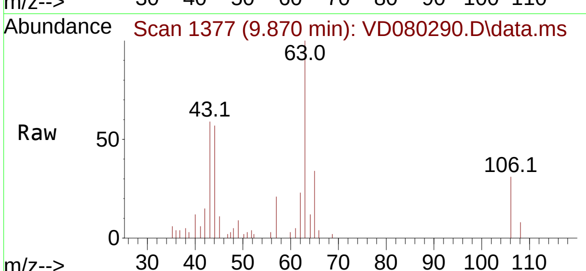
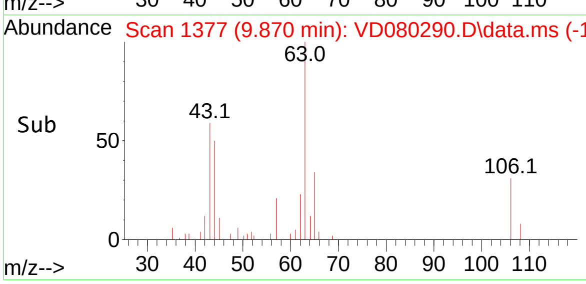
Supervised By :Semsettin Yesilyurt 05/07/2025





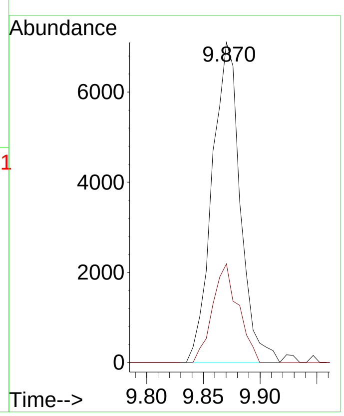




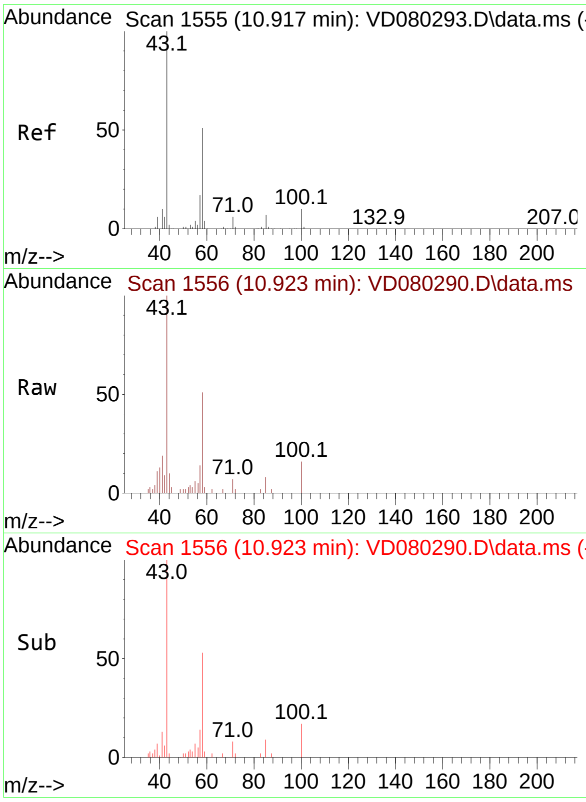
#58
2-Chloroethyl Vinyl ether
Concen: 19.970 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 63 Resp: 12258

Ion	Ratio	Lower	Upper
63	100		
106	28.2	20.8	31.2



ICAL Form



#59
2-Hexanone
Concen: 23.010 ug/l
RT: 10.923 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

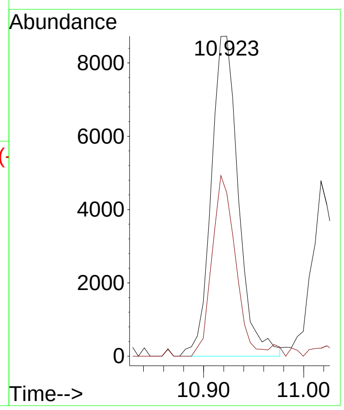
Tgt Ion: 43 Resp: 1654

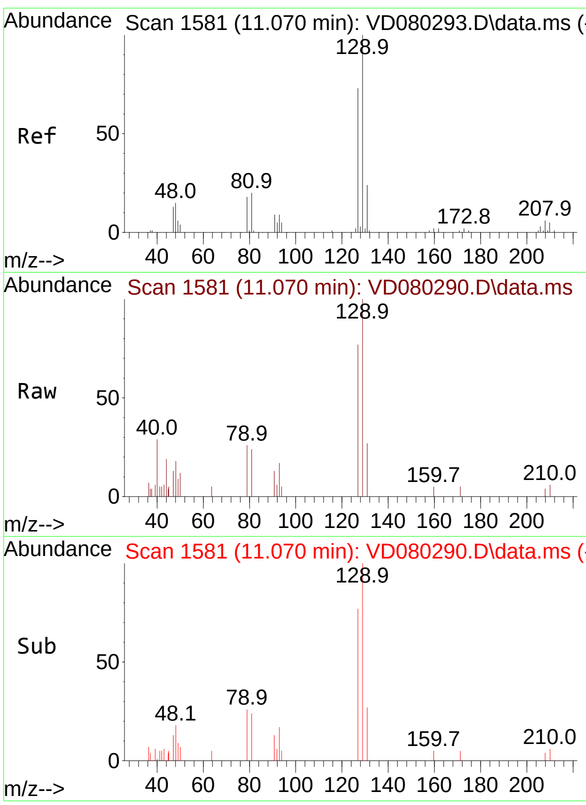
Ion	Ratio	Lower	Upper
43	100		
58	48.6	26.3	78.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

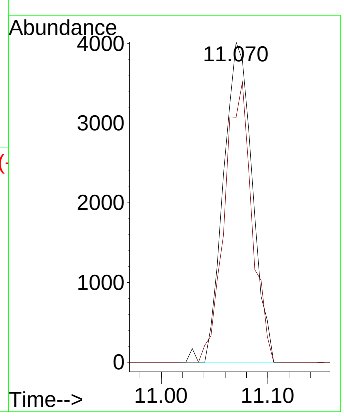




#60
Dibromochloromethane
Concen: 4.859 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:129 Resp: 7537

Ion	Ratio	Lower	Upper
129	100		
127	83.3	37.6	112.8



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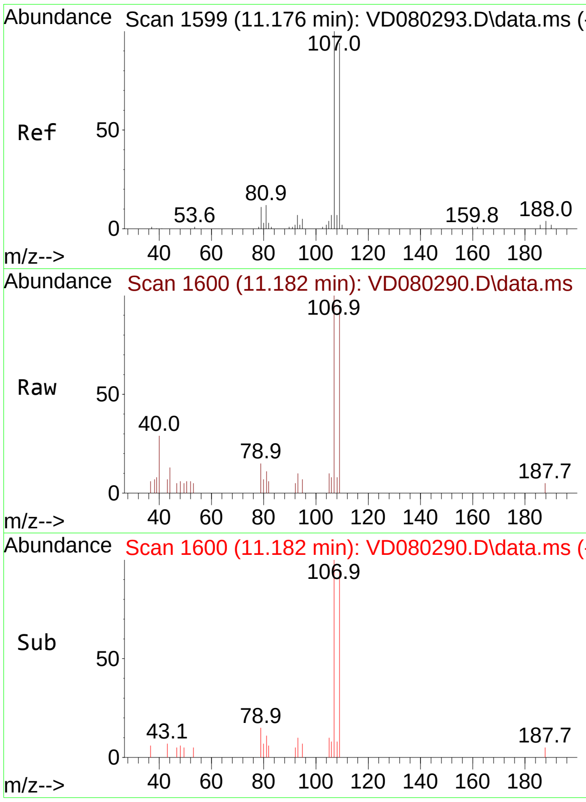

#61
1,2-Dibromoethane
Concen: 5.020 ug/l
RT: 11.182 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:107 Resp: 576:
Ion Ratio Lower Upper
107 100
109   92.9   74.8 112.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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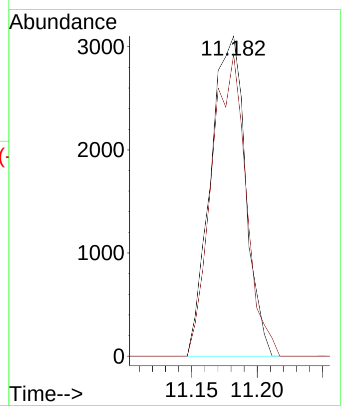
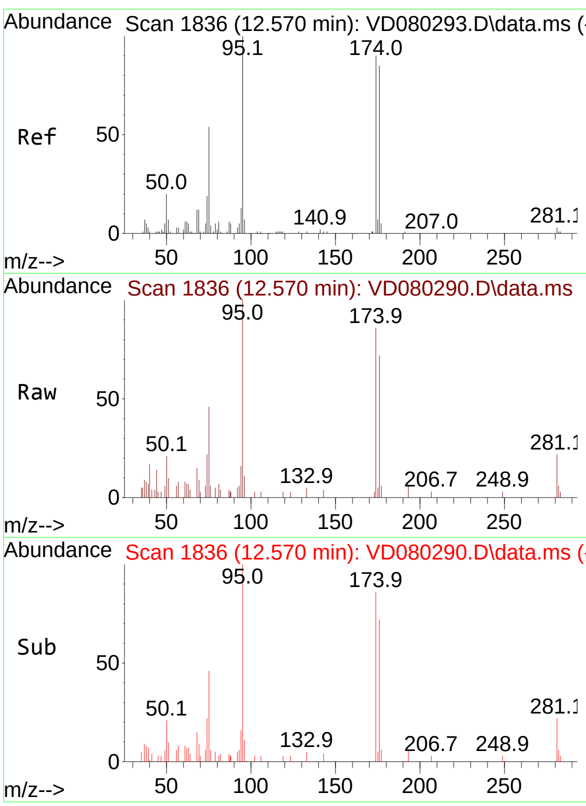
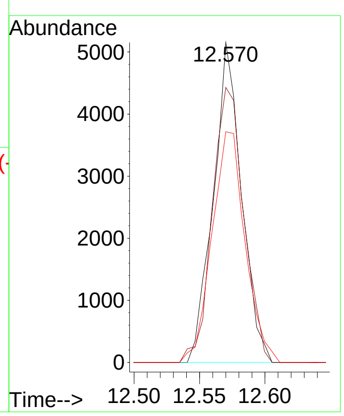
Supervised By :Semsettin Yesilyurt   05/07/2025



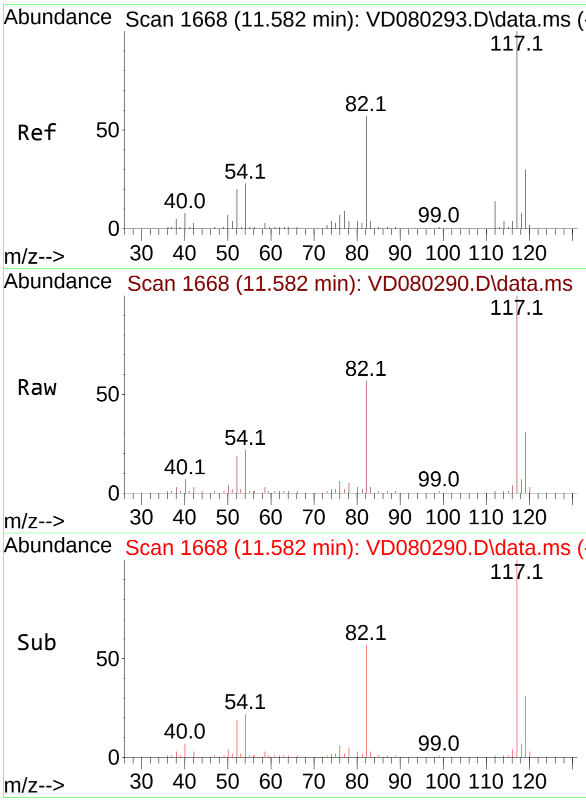


#62
4-Bromofluorobenzene
Concen: 4.265 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 95 Resp: 7719
Ion Ratio Lower Upper
 95 100
174   95.8   0.0 170.0
176   84.8   0.0 167.8



ICAL Form



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 18997

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.5	68.3
119	31.2	24.0	36.0

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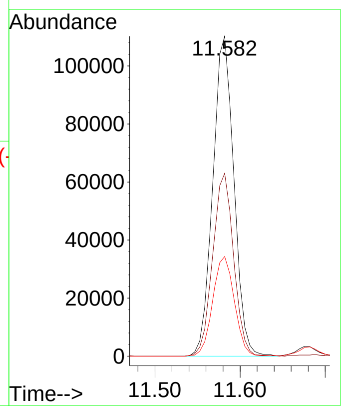
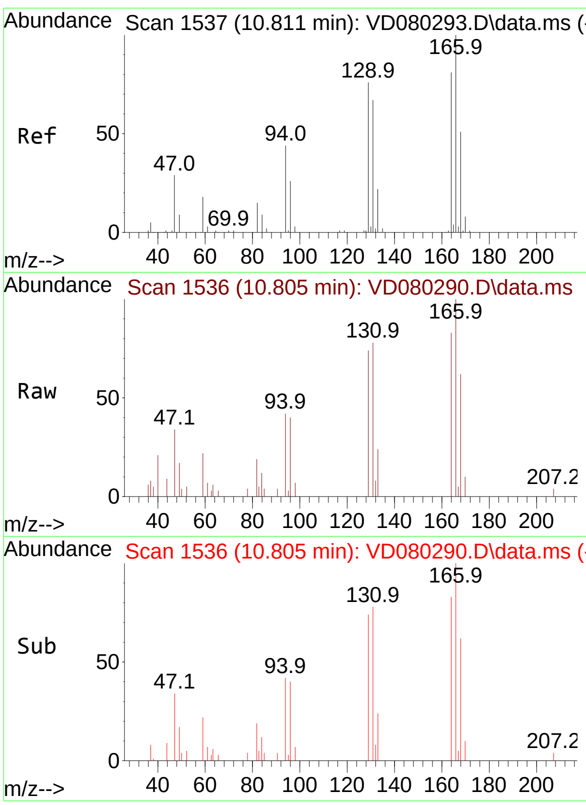
Supervised By :Semsettin Yesilyurt 05/07/2025

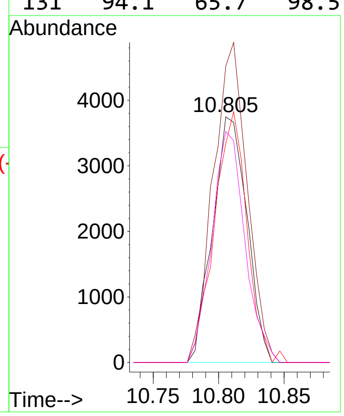


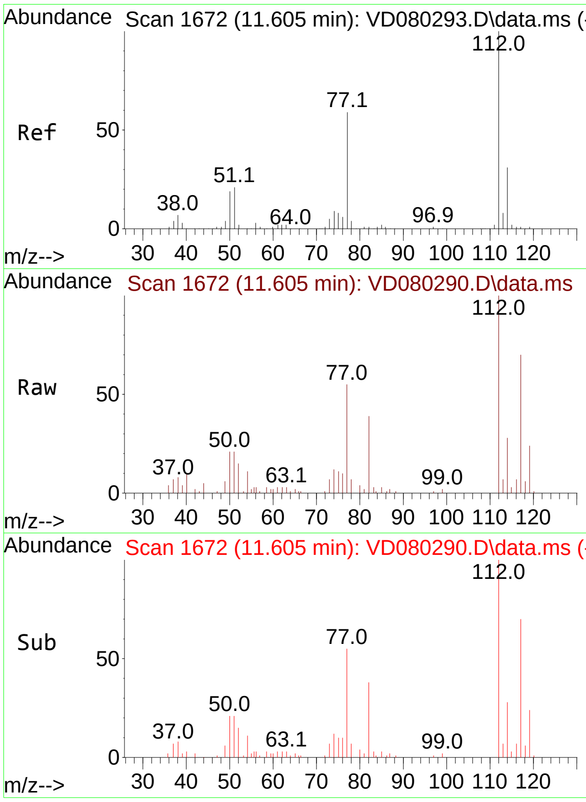


#64
Tetrachloroethene
Concen: 5.318 ug/l
RT: 10.805 min Scan# 1536
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:164 Resp: 6842

Ion	Ratio	Lower	Upper
164	100		
166	120.7	98.2	147.2
129	89.2	74.6	111.8
131	94.1	65.7	98.5





#65
Chlorobenzene
Concen: 5.503 ug/l
RT: 11.605 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 2360

Ion	Ratio	Lower	Upper
112	100		
114	28.5	24.4	36.6

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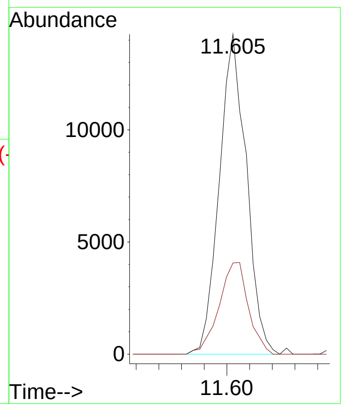
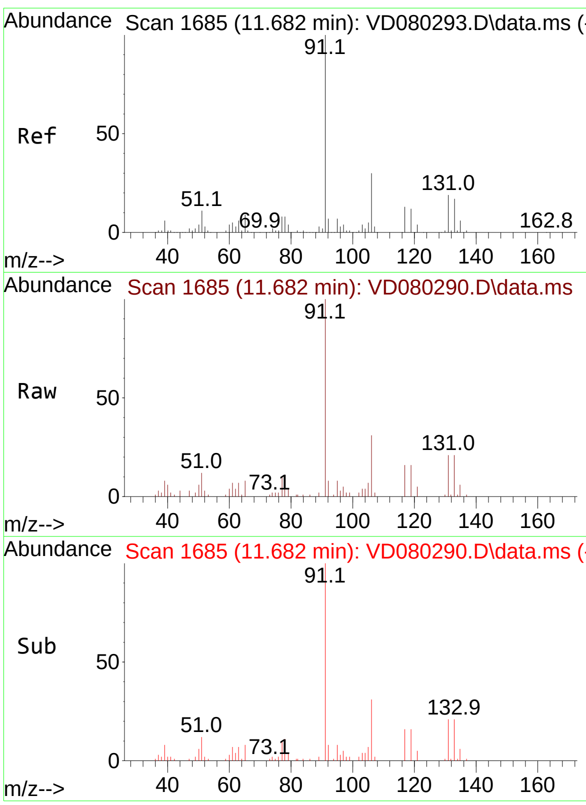
Supervised By :Semsettin Yesilyurt 05/07/2025

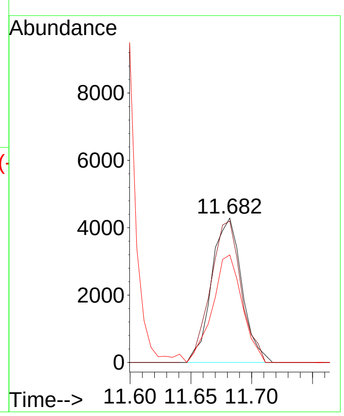




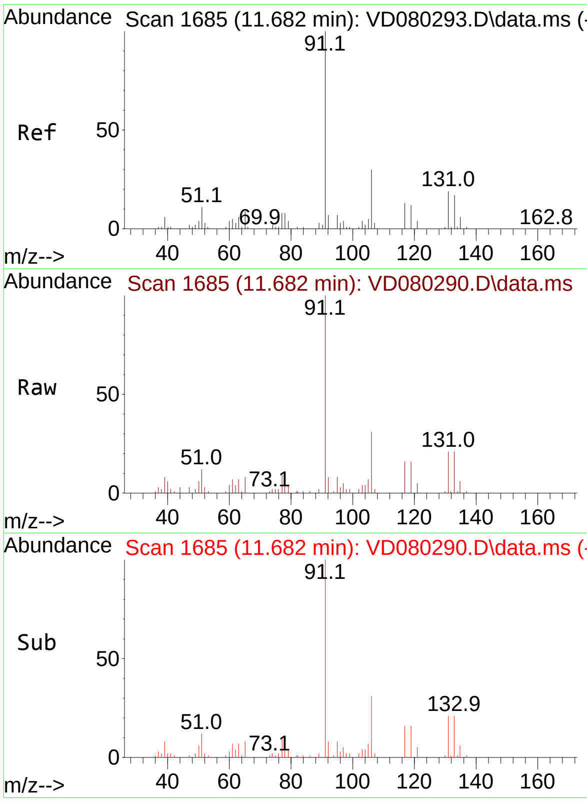
#66
1,1,1,2-Tetrachloroethane
Concen: 5.044 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:131 Resp: 7434

Ion	Ratio	Lower	Upper
131	100		
133	98.6	46.8	140.3
119	73.4	33.1	99.2



ICAL Form



#67
Ethyl Benzene
Concen: 4.661 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 33412

Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.9	35.9

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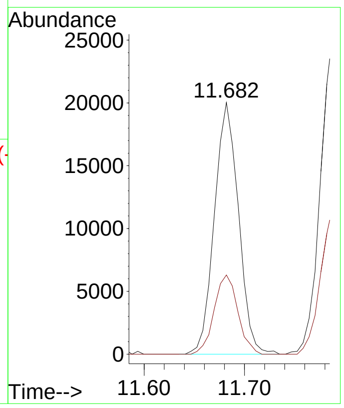
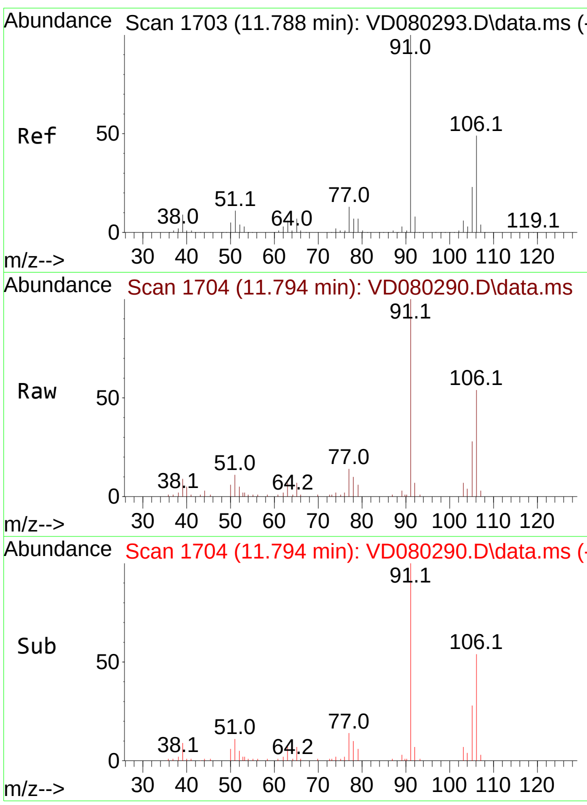
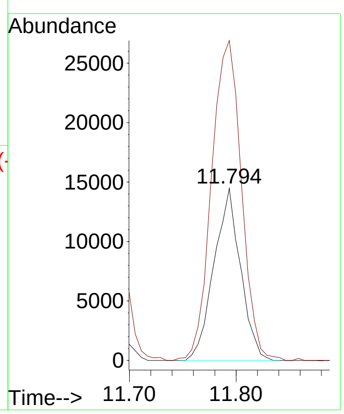


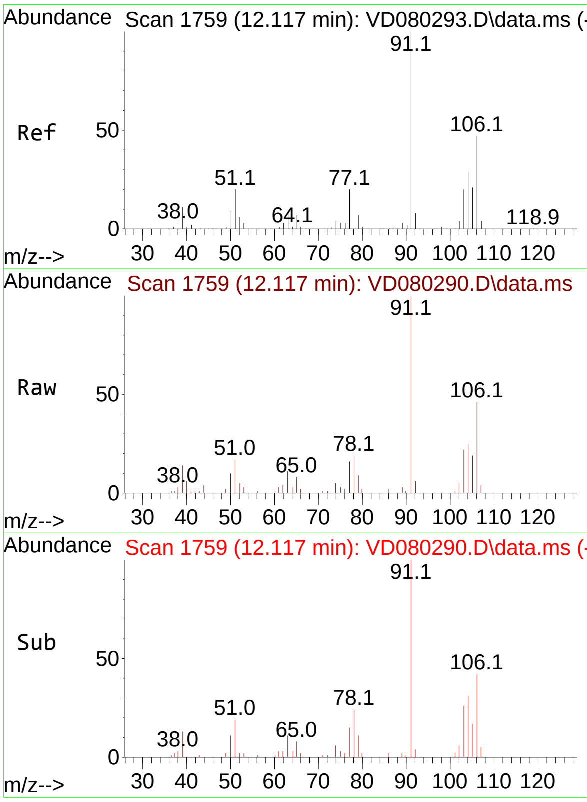


#68
m/p-Xylenes
Concen: 9.002 ug/l
RT: 11.794 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:106 Resp: 25055

Ion	Ratio	Lower	Upper
106	100		
91	209.0	164.1	246.1





#69
o-Xylene
Concen: 4.503 ug/l
RT: 12.117 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 1145

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.3	328.1

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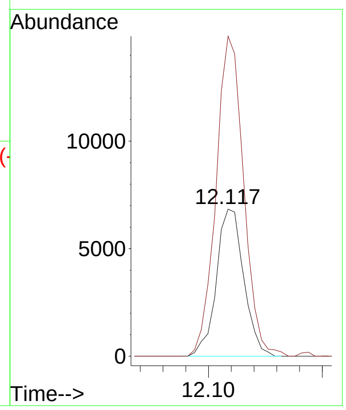
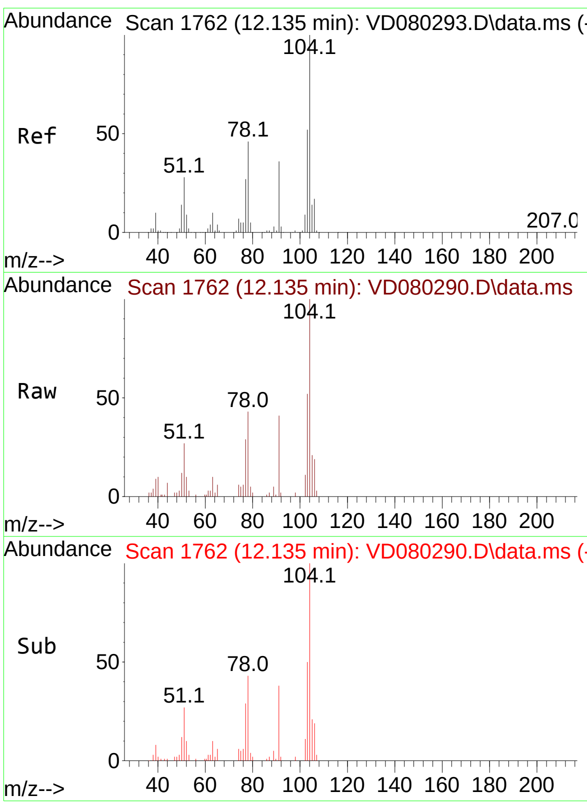
Supervised By :Semsettin Yesilyurt 05/07/2025

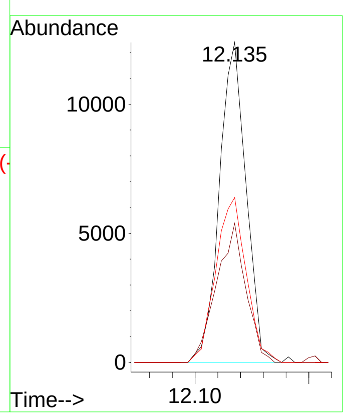


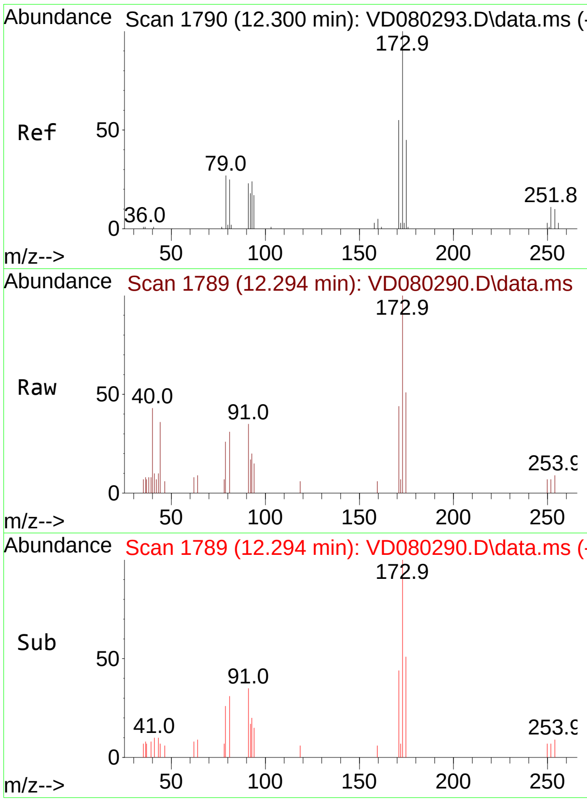


#70
Styrene
Concen: 4.430 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:104 Resp: 20231

Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.8	59.6
103	58.9	44.2	66.4

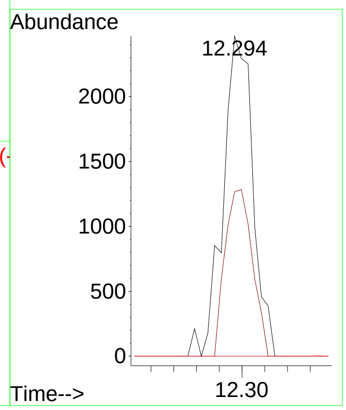




#71
Bromoform
Concen: 5.151 ug/l
RT: 12.294 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:173 Resp: 451

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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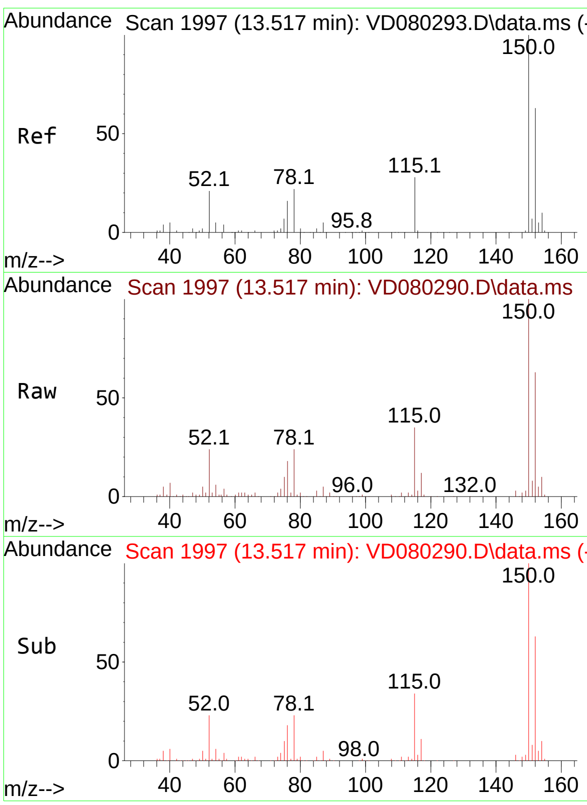
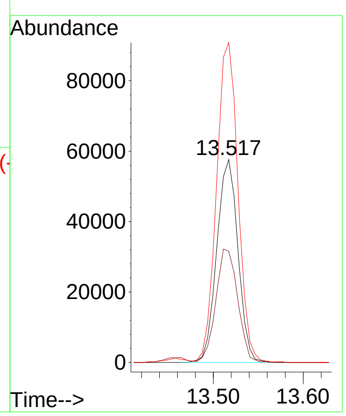
Supervised By :Semsettin Yesilyurt 05/07/2025

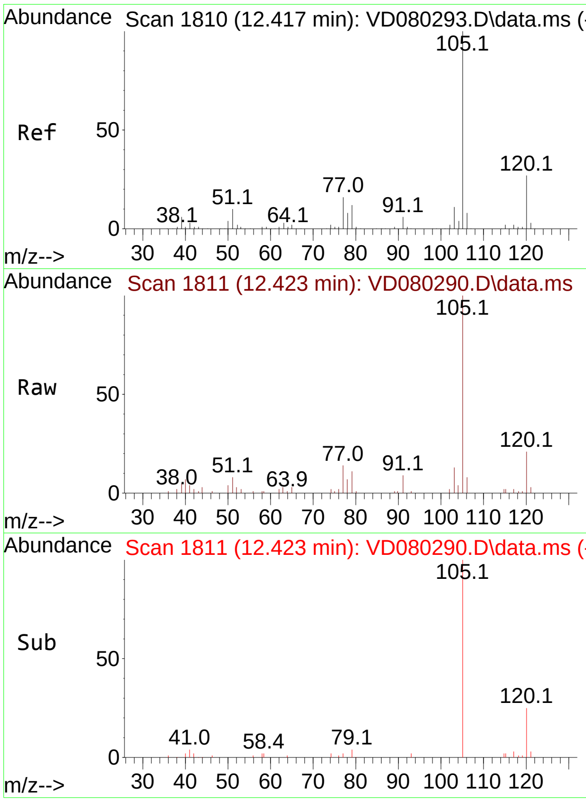


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:152 Resp: 94546

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.0	87.1
150	159.6	0.0	354.6





#73
Isopropylbenzene
Concen: 4.919 ug/l
RT: 12.423 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

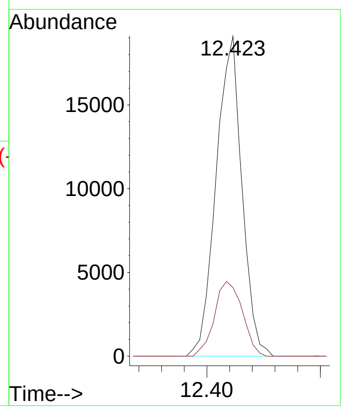
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

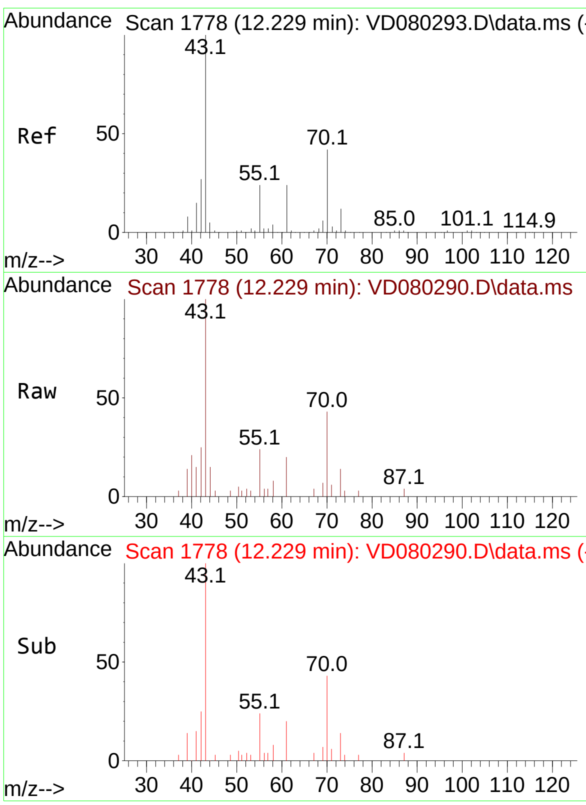
Tgt Ion:105 Resp: 3016

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.1	39.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

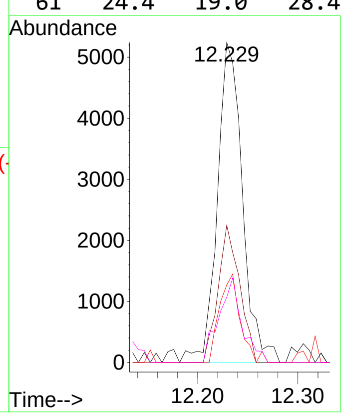


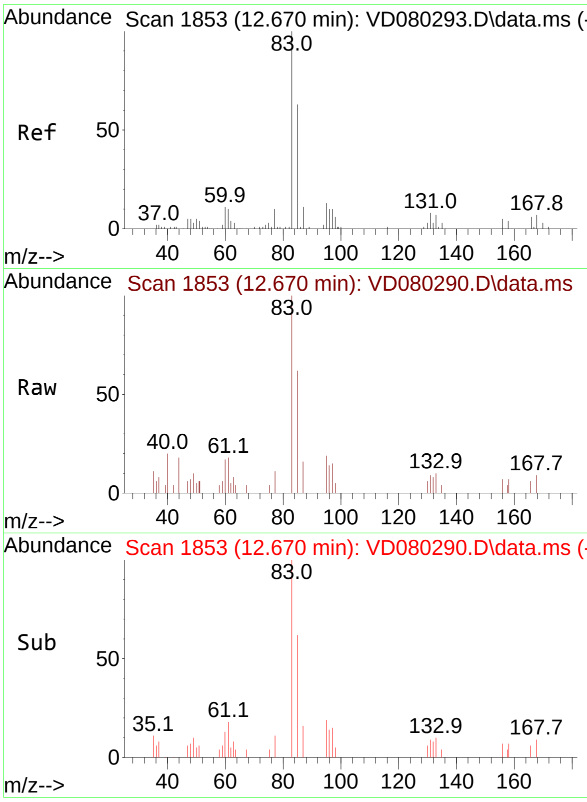


#74
N-amyl acetate
Concen: 5.202 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 43 Resp: 9157

Ion	Ratio	Lower	Upper
43	100		
70	36.7	33.8	50.8
55	22.8	20.8	31.2
61	24.4	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 5.629 ug/l
RT: 12.670 min Scan# 18
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

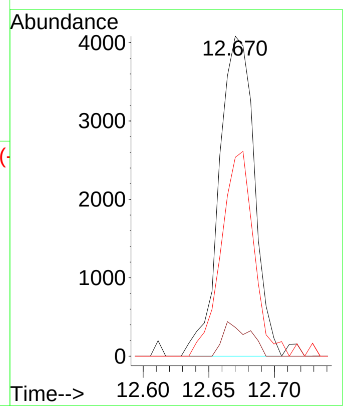
Tgt Ion: 83 Resp: 7593

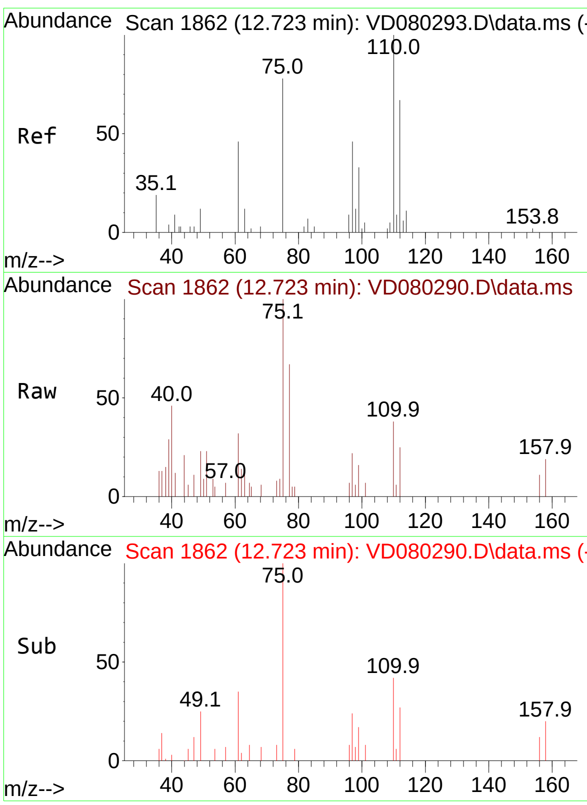
Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.2	15.6
85	59.8	32.6	98.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

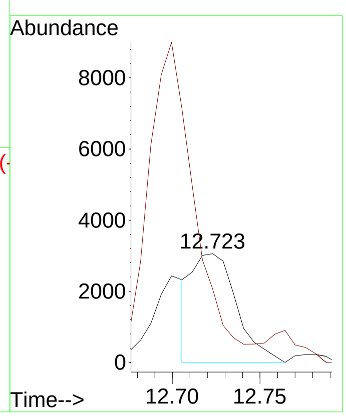




#76
1,2,3-Trichloropropane
Concen: 5.450 ug/l m
RT: 12.723 min Scan# 1862
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 75 Resp: 5467

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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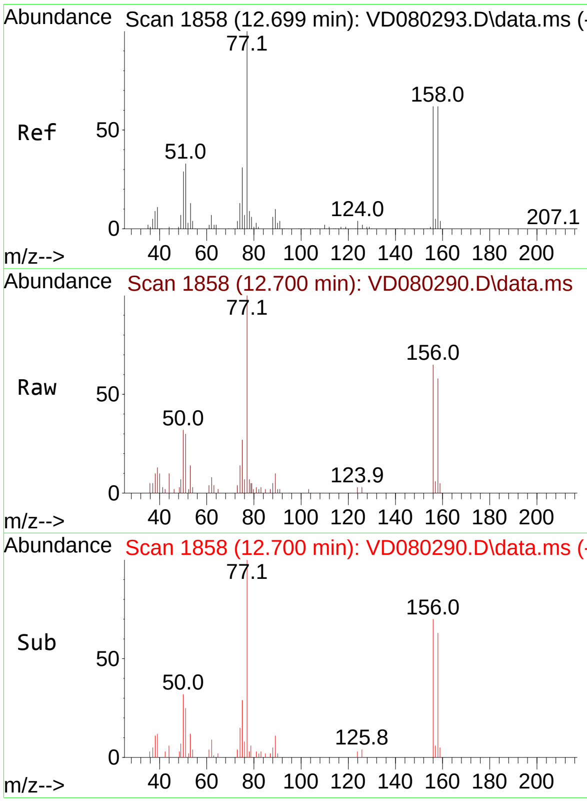


#77
Bromobenzene
Concen: 5.328 ug/l
RT: 12.700 min   Scan# 18
Delta R.T.   0.000 min
Lab File: VD080290.D
Acq: 06 May 2025   13:33

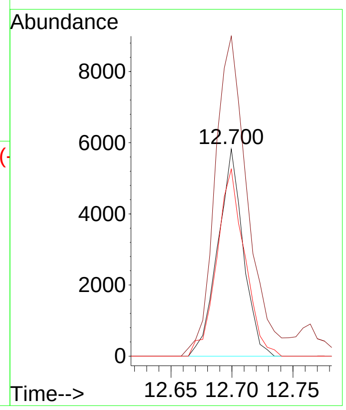
Tgt Ion:156 Resp: 847

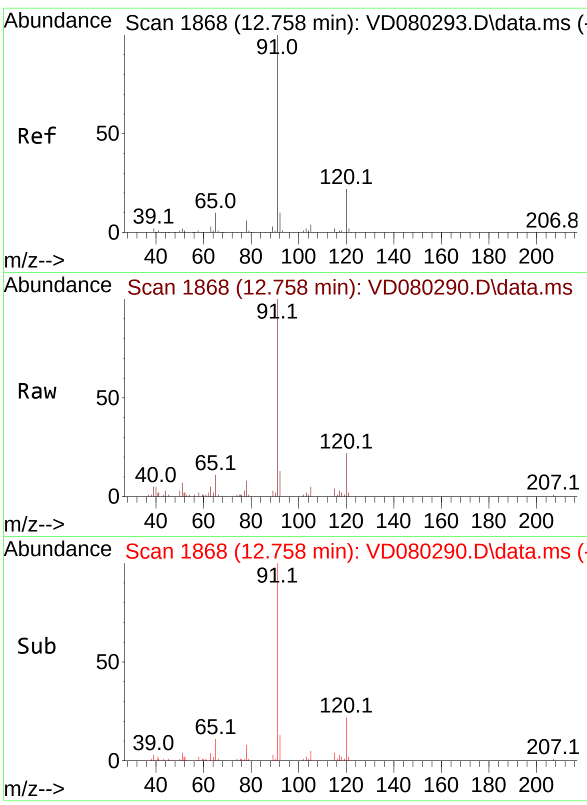
Ion	Ratio	Lower	Upper
156	100		
77	196.0	91.6	274.8
158	99.3	47.4	142.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

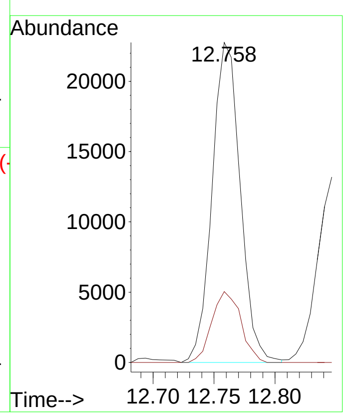




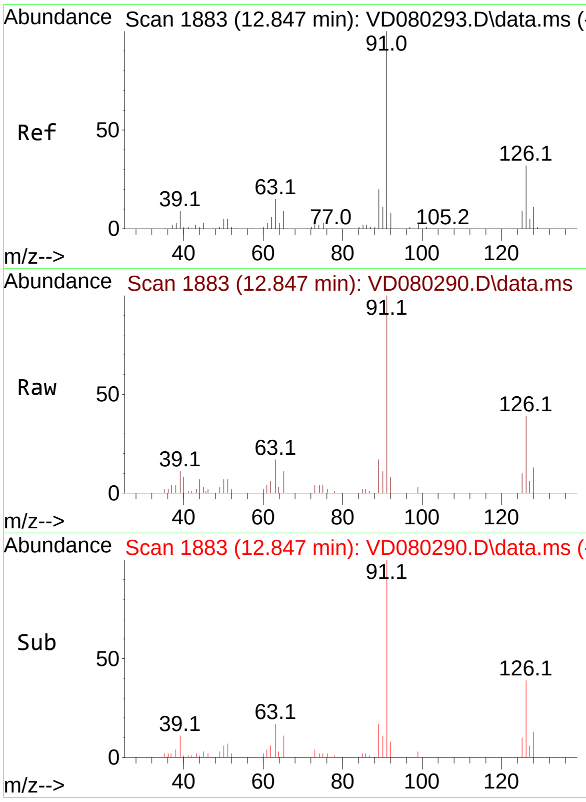
#78
n-propylbenzene
Concen: 4.765 ug/l
RT: 12.758 min   Scan# 1868
Delta R.T.   0.000 min
Lab File: VD080290.D
Acq: 06 May 2025   13:33

Tgt Ion: 91 Resp: 36671

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0



ICAL Form



#79
2-Chlorotoluene
Concen: 5.015 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 91 Resp: 2245

Ion	Ratio	Lower	Upper
91	100		
126	35.6	16.4	49.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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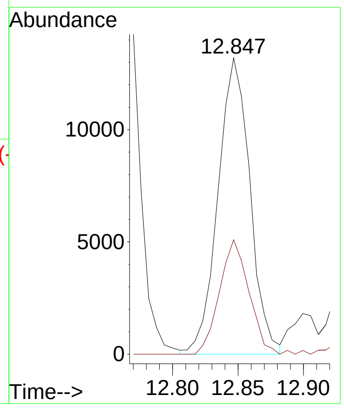
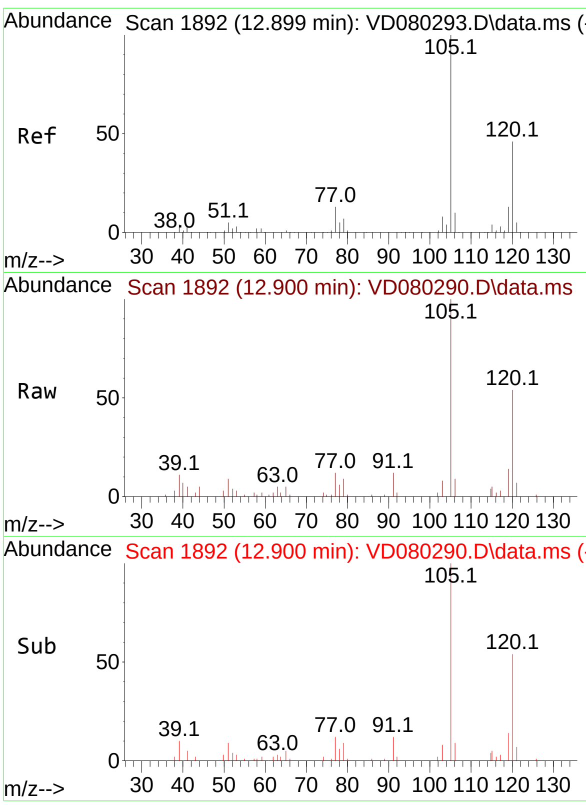
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

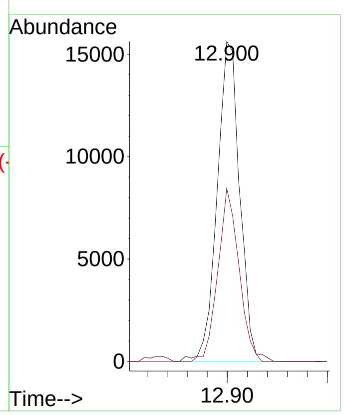




#80
1,3,5-Trimethylbenzene
Concen: 4.687 ug/l
RT: 12.900 min Scan# 1892
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:105 Resp: 24517

Ion	Ratio	Lower	Upper
105	100		
120	50.0	23.9	71.8



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

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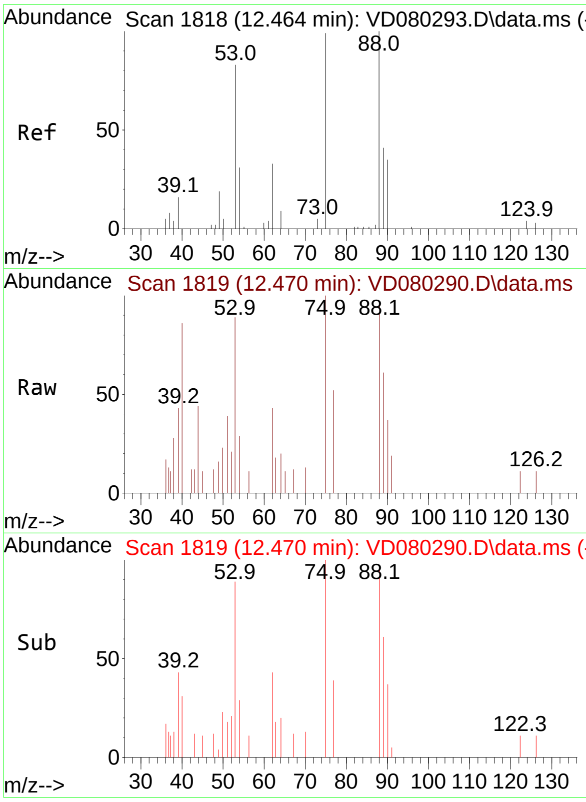
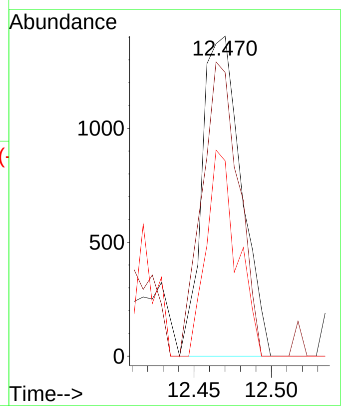
Supervised By :Semsettin Yesilyurt 05/07/2025

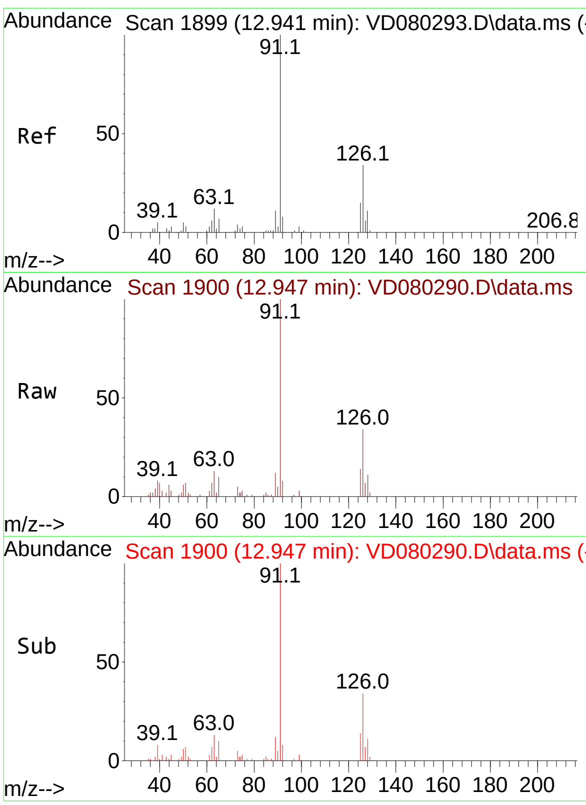


#81
trans-1,4-Dichloro-2-butene
Concen: 5.169 ug/l
RT: 12.470 min Scan# 18
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 75 Resp: 248

Ion	Ratio	Lower	Upper
75	100		
53	86.2	70.8	106.2
89	50.5	35.9	53.9

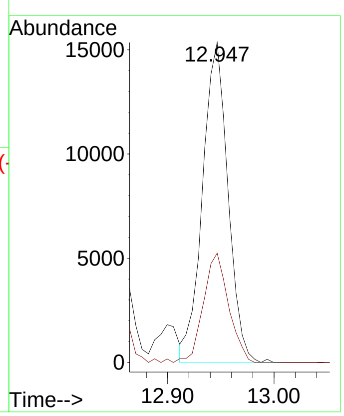




#82
4-Chlorotoluene
Concen: 5.289 ug/l
RT: 12.947 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 91 Resp: 25557

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.3



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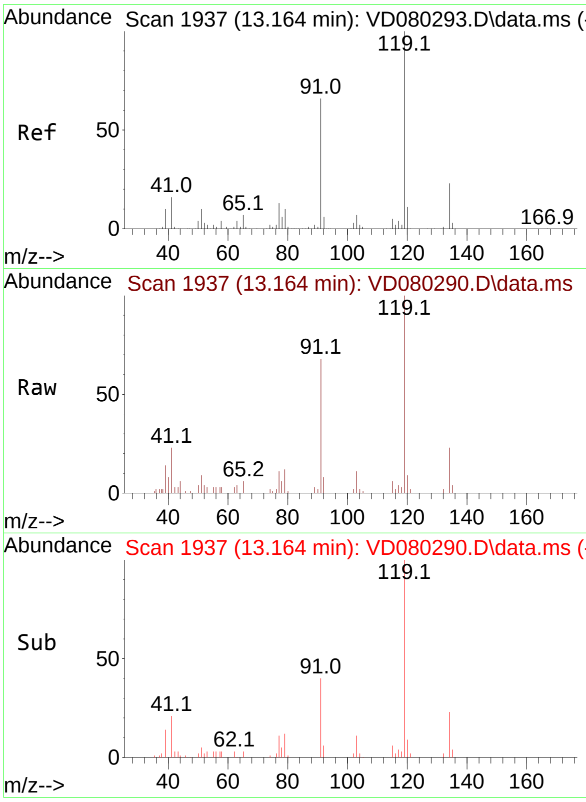
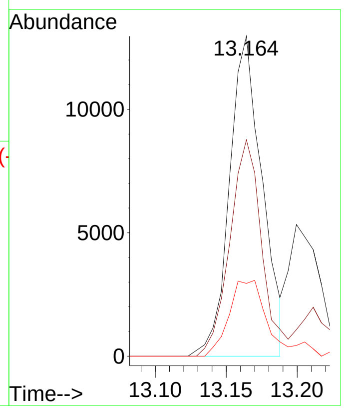


#83
tert-Butylbenzene
Concen: 4.752 ug/l
RT: 13.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:119 Resp: 2074

Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.3	99.8
134	29.2	13.3	39.9



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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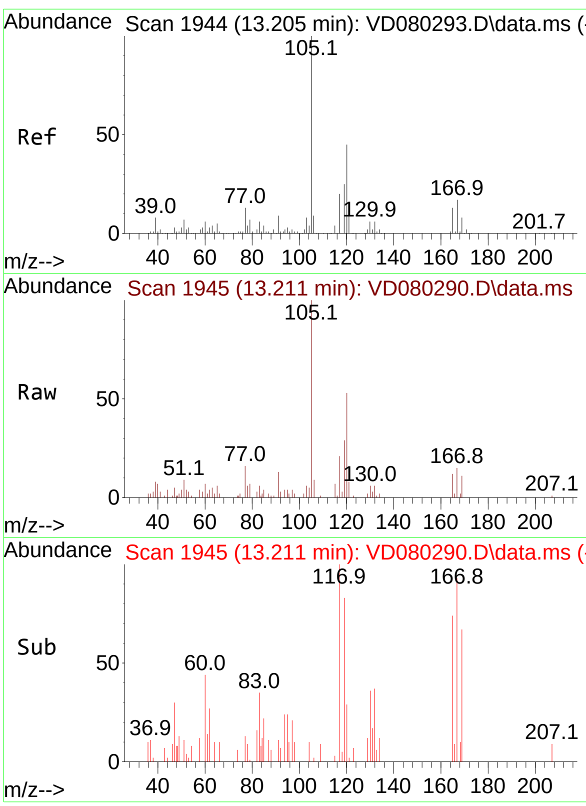
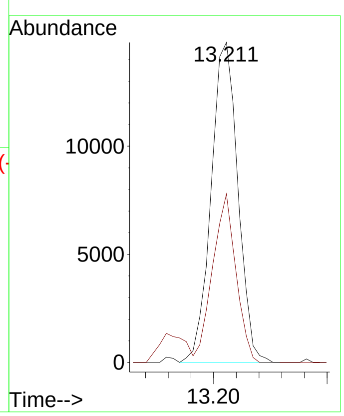
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

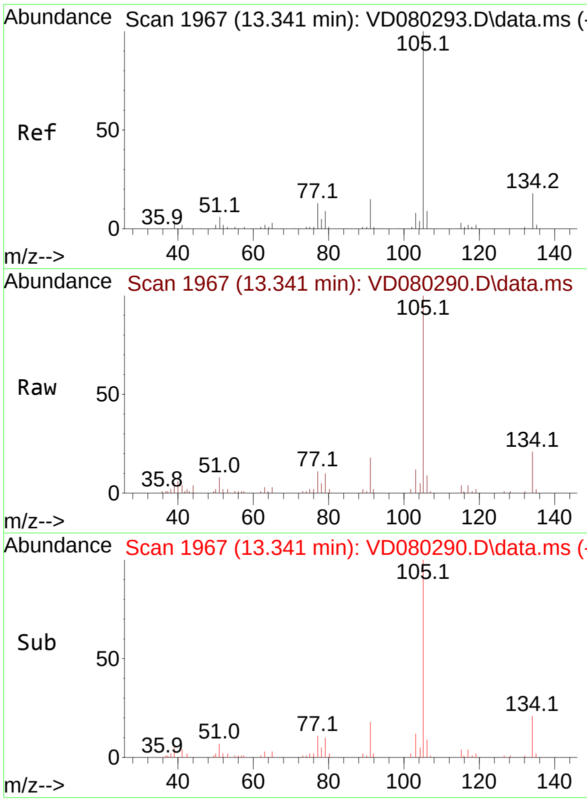


#84
1,2,4-Trimethylbenzene
Concen: 4.551 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:105 Resp: 24355

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.8





#85
sec-Butylbenzene
Concen: 4.785 ug/l
RT: 13.341 min Scan# 19
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 3221

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.6	28.8

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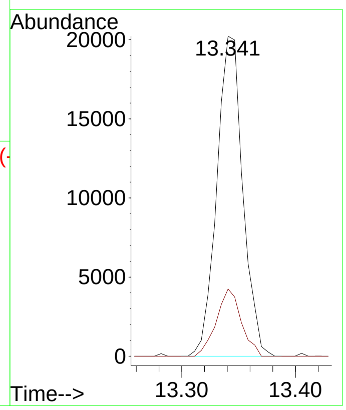
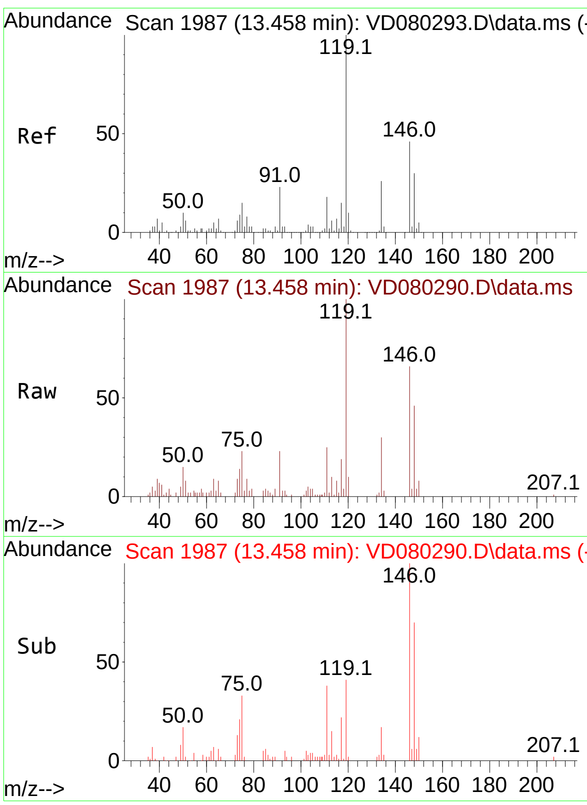
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

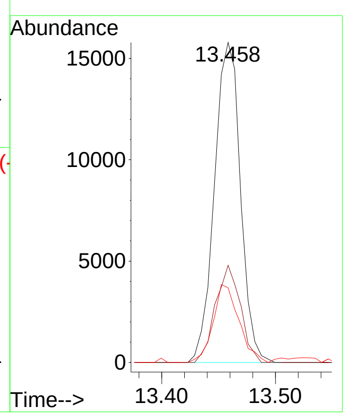


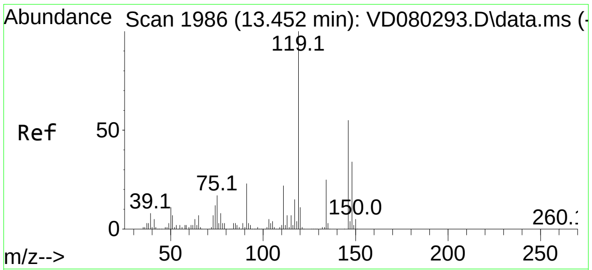


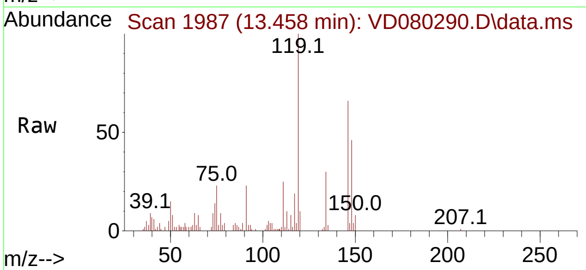
#86
p-Isopropyltoluene
Concen: 4.444 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

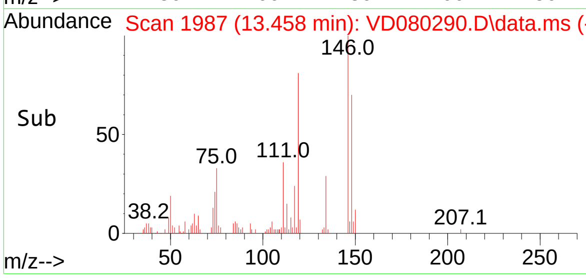
Tgt Ion:119 Resp: 25141

Ion	Ratio	Lower	Upper
119	100		
134	29.1	12.8	38.4
91	24.2	11.7	35.0









#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.458 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:146 Resp: 1770

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.6
148	67.1	31.9	95.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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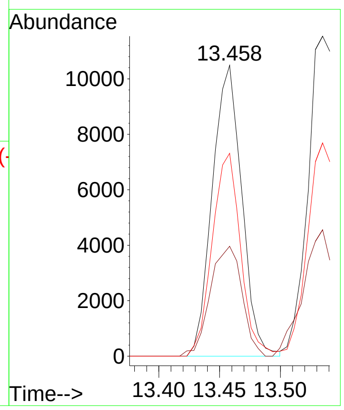
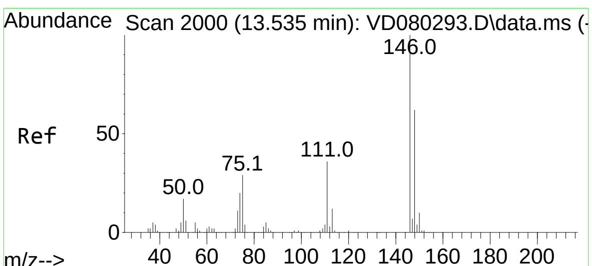
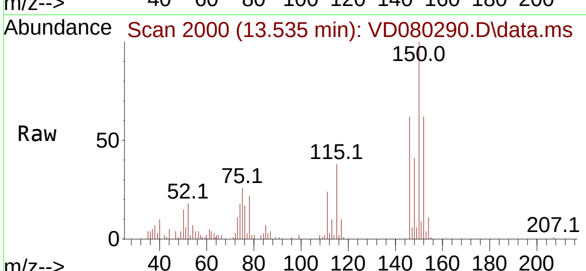
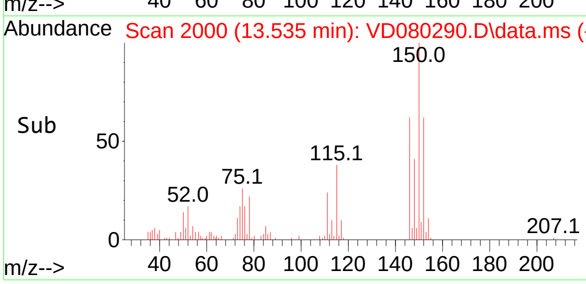
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





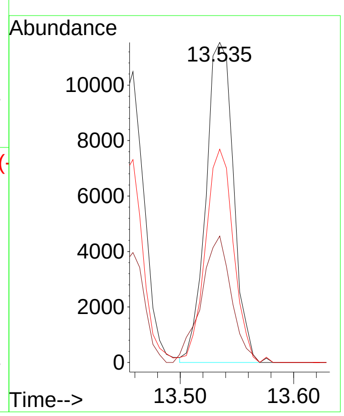




#88
1,4-Dichlorobenzene
Concen: 5.875 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:146 Resp: 19650

Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.9	56.5
148	67.8	31.4	94.0



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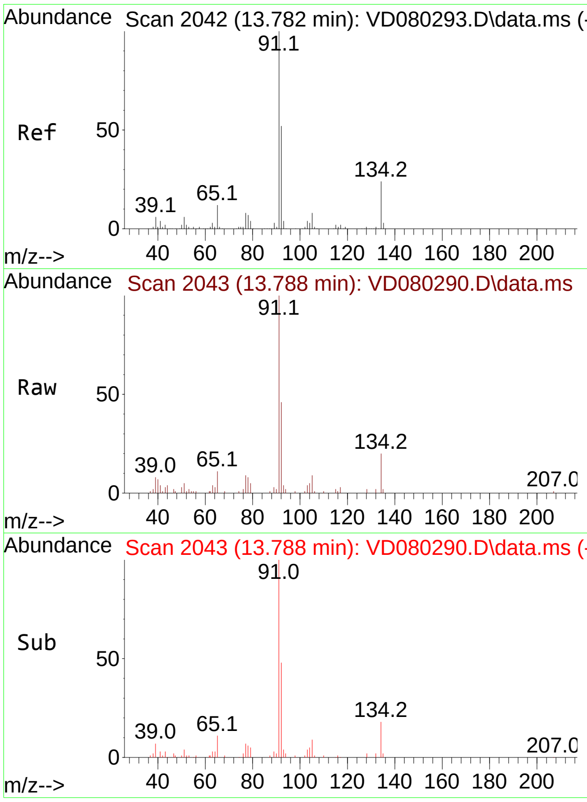

#89
n-Butylbenzene
Concen: 4.940 ug/l
RT: 13.788 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 2713

Ion	Ratio	Lower	Upper
91	100		
92	49.0	26.1	78.2
134	24.7	12.0	36.1

Manual Integrations
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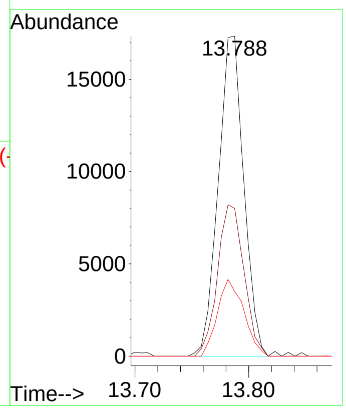
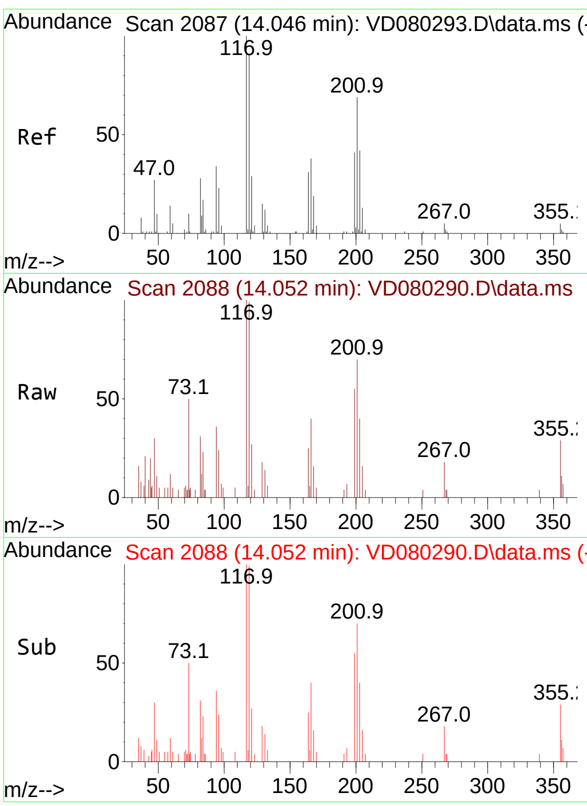
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

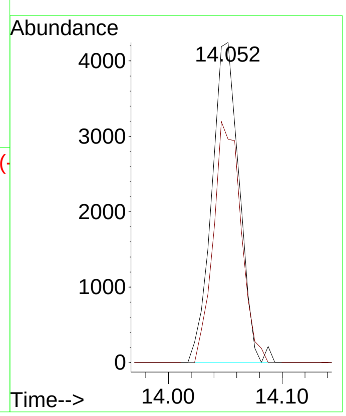


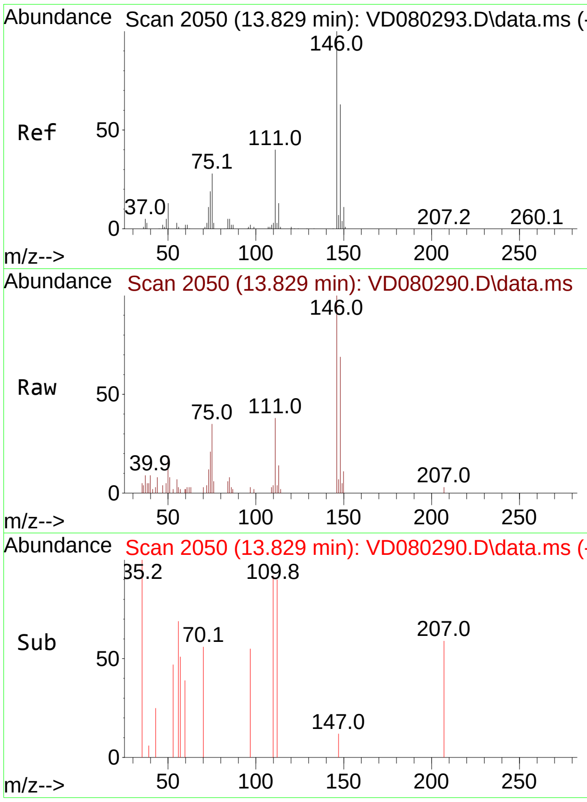


#90
Hexachloroethane
Concen: 5.705 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:117 Resp: 7141

Ion	Ratio	Lower	Upper
117	100		
201	75.7	36.9	110.6





#91
1,2-Dichlorobenzene
Concen: 5.501 ug/l
RT: 13.829 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 1585

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.5
148	64.4	32.4	97.2

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
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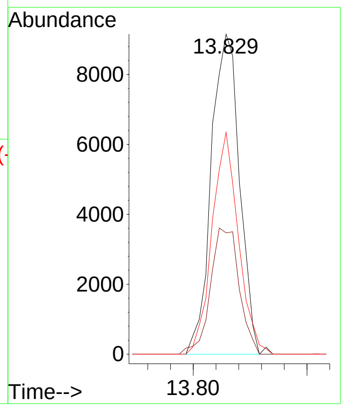
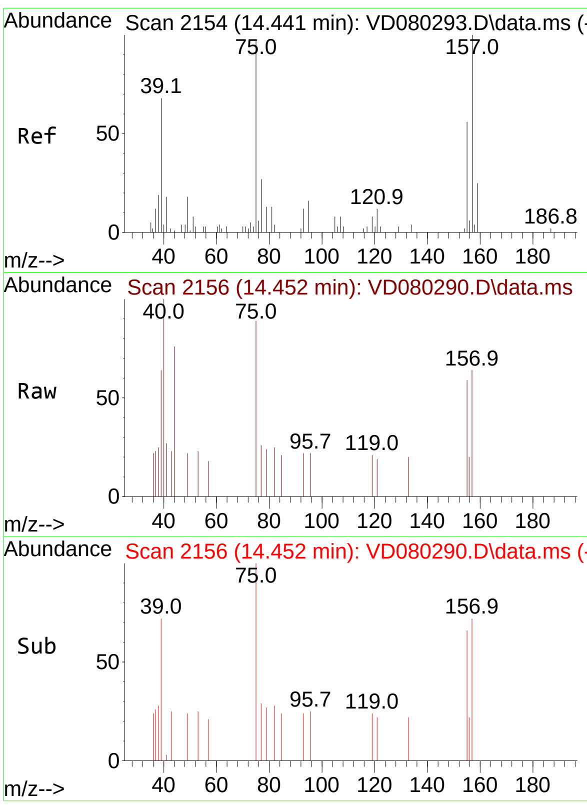
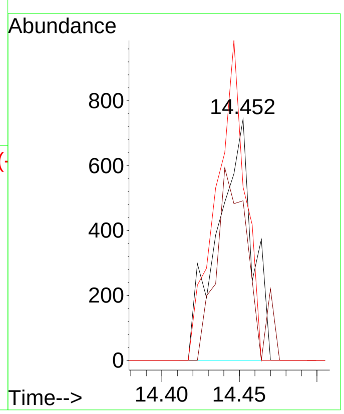


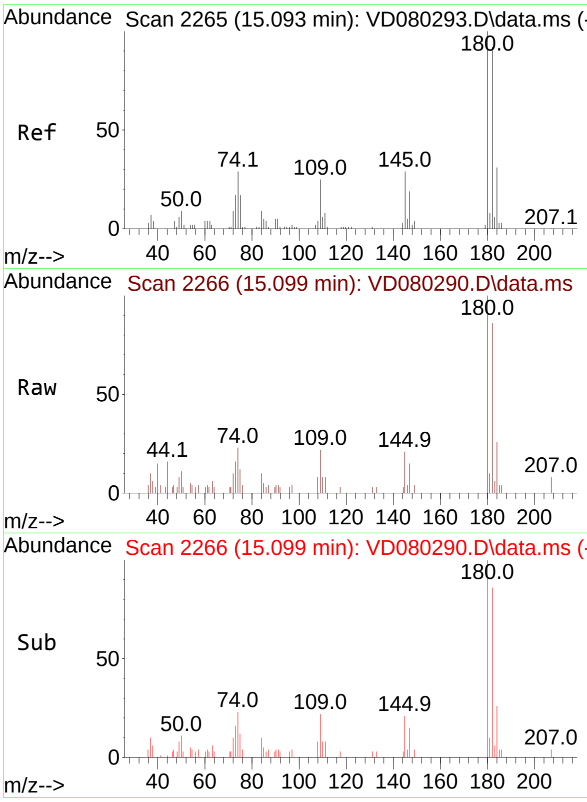


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.425 ug/l
RT: 14.452 min Scan# 2156
Delta R.T. 0.012 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion: 75 Resp: 1166

Ion	Ratio	Lower	Upper
75	100		
155	74.7	36.3	108.7
157	109.8	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 5.933 ug/l
RT: 15.099 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 1075

Ion	Ratio	Lower	Upper
180	100		
182	91.1	46.7	140.1
145	27.8	14.9	44.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/07/2025
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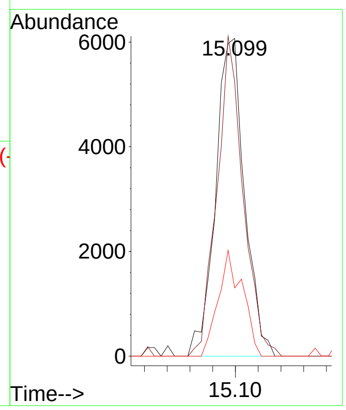
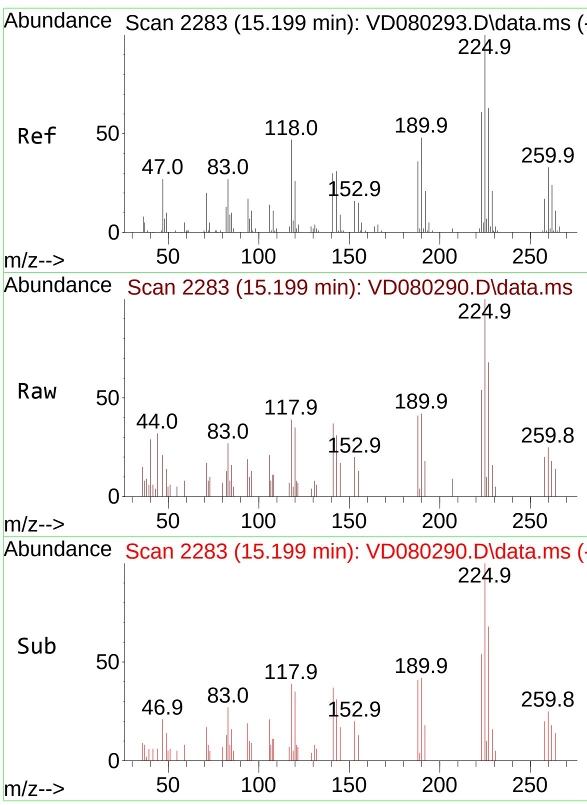
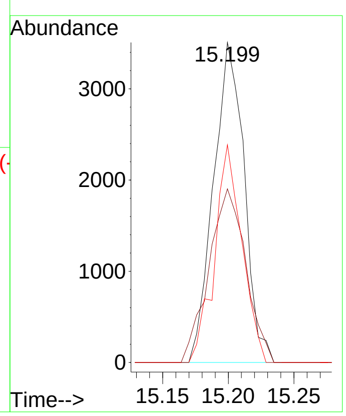


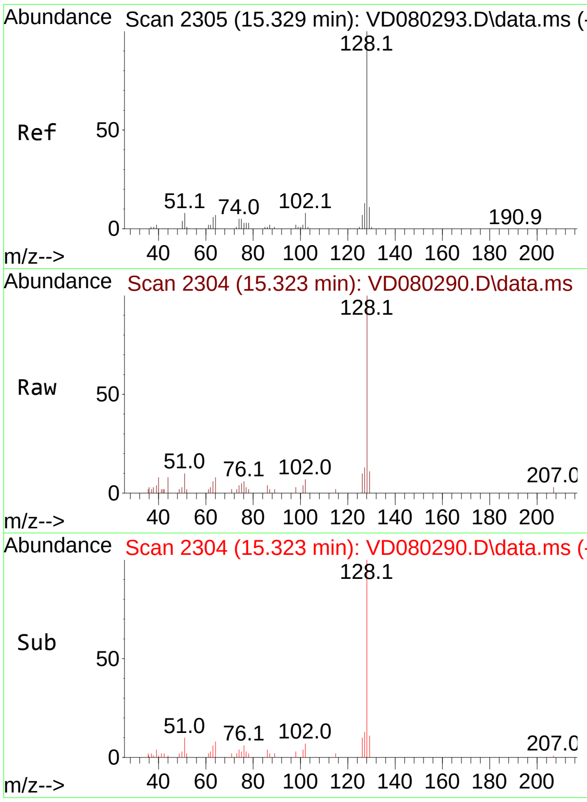


#94
Hexachlorobutadiene
Concen: 6.042 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:225 Resp: 5697

Ion	Ratio	Lower	Upper
225	100		
223	65.3	30.3	90.8
227	60.7	32.0	96.2





#95
Naphthalene
Concen: 5.622 ug/l
RT: 15.323 min Scan# 2
Delta R.T. -0.006 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 1913

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
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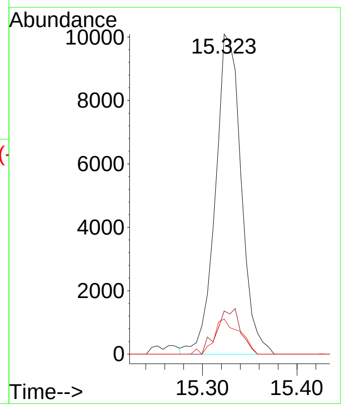
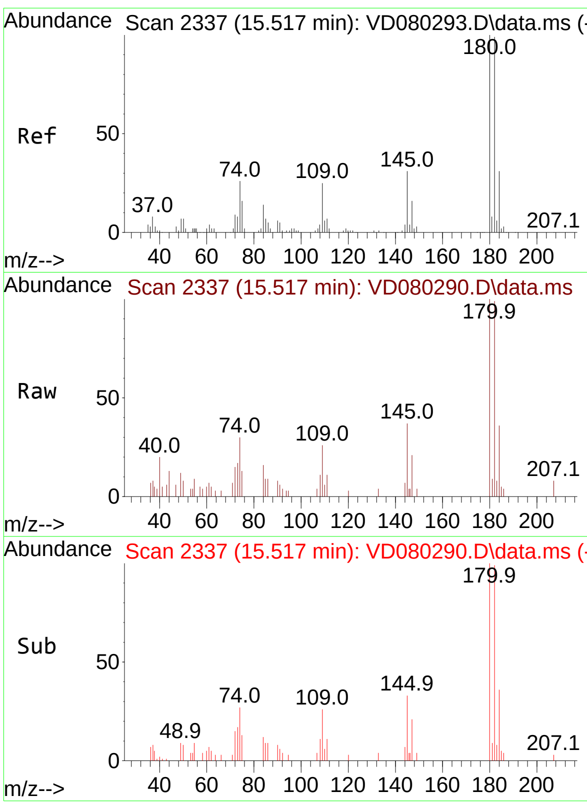
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

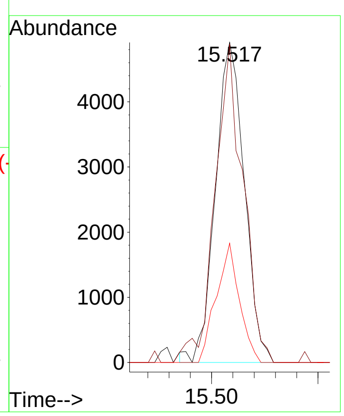




#96
1,2,3-Trichlorobenzene
Concen: 5.714 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080290.D
Acq: 06 May 2025 13:33

Tgt Ion:180 Resp: 9263

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.3	144.9
145	29.8	15.6	46.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080291.D
Acq On : 06 May 2025 13:55
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VSTDICC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	120483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	207661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	188574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	98783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	15938	10.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.460%#		
35) Dibromofluoromethane	7.805	113	13299	9.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.120%#		
50) Toluene-d8	10.264	98	51113	9.320	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.640%#		
62) 4-Bromofluorobenzene	12.570	95	16992	9.654	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.300%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	16009	10.404	ug/l	96
3) Chloromethane	2.147	50	28530	9.811	ug/l	95
4) Vinyl Chloride	2.276	62	35188	11.234	ug/l	98
5) Bromomethane	2.682	94	22030	9.771	ug/l	95
6) Chloroethane	2.829	64	23896	10.790	ug/l	94
7) Trichlorofluoromethane	3.165	101	25830	10.755	ug/l	95
8) Diethyl Ether	3.588	74	6857	9.249	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.959	101	15881	10.732	ug/l	95
10) Methyl Iodide	4.153	142	13982	9.269	ug/l #	93
11) Tert butyl alcohol	5.076	59	5243	55.456	ug/l #	78
12) 1,1-Dichloroethene	3.929	96	14942	10.242	ug/l	90
13) Acrolein	3.794	56	8220	49.414	ug/l	92
14) Allyl chloride	4.559	41	22002	9.589	ug/l	99
15) Acrylonitrile	5.264	53	17759	49.826	ug/l	93
16) Acetone	4.029	43	14712m	46.180	ug/l	
17) Carbon Disulfide	4.265	76	53524	10.565	ug/l	97
18) Methyl Acetate	4.570	43	10924m	10.819	ug/l	
19) Methyl tert-butyl Ether	5.323	73	27966	8.726	ug/l #	88
20) Methylene Chloride	4.794	84	21842	10.071	ug/l #	85
21) trans-1,2-Dichloroethene	5.300	96	15107	9.532	ug/l	85
22) Diisopropyl ether	6.217	45	43174	9.135	ug/l	92
23) Vinyl Acetate	6.153	43	122708	44.577	ug/l	100
24) 1,1-Dichloroethane	6.106	63	31010	10.427	ug/l #	90
25) 2-Butanone	7.088	43	19760	46.094	ug/l	98
26) 2,2-Dichloropropane	7.076	77	24094	10.181	ug/l	96
27) cis-1,2-Dichloroethene	7.076	96	16982	9.671	ug/l	97
28) Bromochloromethane	7.429	49	14468	10.448	ug/l	99
29) Tetrahydrofuran	7.453	42	12933	46.270	ug/l	96
30) Chloroform	7.594	83	29736	10.026	ug/l	98
31) Cyclohexane	7.876	56	25143	9.933	ug/l #	93
32) 1,1,1-Trichloroethane	7.800	97	24628	10.178	ug/l	96
36) 1,1-Dichloropropene	8.011	75	19810	9.523	ug/l	97
37) Ethyl Acetate	7.176	43	10491	9.670	ug/l #	73
38) Carbon Tetrachloride	7.994	117	22088	10.182	ug/l	93
39) Methylcyclohexane	9.270	83	22083	9.149	ug/l	89
40) Benzene	8.253	78	61413	9.423	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080291.D
Acq On : 06 May 2025 13:55
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Quant Time: May 07 03:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.394	41	5389m	8.953 ug/l	
42) 1,2-Dichloroethane	8.323	62	18620	9.859 ug/l	98
43) Isopropyl Acetate	8.364	43	18100	9.177 ug/l	95
44) Trichloroethene	9.029	130	14665	9.693 ug/l	88
45) 1,2-Dichloropropane	9.305	63	16232	9.711 ug/l	95
46) Dibromomethane	9.394	93	9070	9.966 ug/l	98
47) Bromodichloromethane	9.582	83	22525	9.751 ug/l #	99
48) Methyl methacrylate	9.376	41	7959m	8.493 ug/l	
49) 1,4-Dioxane	9.382	88	1804	166.725 ug/l #	84
51) 4-Methyl-2-Pentanone	10.158	43	42369	41.690 ug/l	96
52) Toluene	10.335	92	35833	9.126 ug/l	99
53) t-1,3-Dichloropropene	10.552	75	19040	9.041 ug/l	95
54) cis-1,3-Dichloropropene	10.017	75	21913	8.980 ug/l #	94
55) 1,1,2-Trichloroethane	10.735	97	11668	9.692 ug/l	92
56) Ethyl methacrylate	10.599	69	12467	8.546 ug/l	94
57) 1,3-Dichloropropane	10.882	76	18220	9.107 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	24567	41.152 ug/l	98
59) 2-Hexanone	10.923	43	28796	41.190 ug/l	98
60) Dibromochloromethane	11.070	129	14022	9.294 ug/l	94
61) 1,2-Dibromoethane	11.176	107	10129	9.074 ug/l	95
64) Tetrachloroethene	10.811	164	12779	10.007 ug/l	90
65) Chlorobenzene	11.605	112	40485	9.508 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	14151	9.673 ug/l	94
67) Ethyl Benzene	11.682	91	62118	8.730 ug/l	96
68) m/p-Xylenes	11.788	106	48239	17.460 ug/l	100
69) o-Xylene	12.117	106	22615	8.958 ug/l	92
70) Styrene	12.129	104	39179	8.642 ug/l	99
71) Bromoform	12.293	173	8535	9.820 ug/l #	96
73) Isopropylbenzene	12.417	105	56684	8.846 ug/l	100
74) N-amyl acetate	12.229	43	16132	8.772 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	13735	9.747 ug/l	94
76) 1,2,3-Trichloropropane	12.723	75	7722m	7.368 ug/l	
77) Bromobenzene	12.699	156	15958	9.601 ug/l	98
78) n-propylbenzene	12.758	91	72436	9.008 ug/l	98
79) 2-Chlorotoluene	12.846	91	42658	9.120 ug/l	96
80) 1,3,5-Trimethylbenzene	12.899	105	49080	8.980 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.470	75	4458	8.876 ug/l	92
82) 4-Chlorotoluene	12.946	91	46981	9.305 ug/l	96
83) tert-Butylbenzene	13.164	119	40742	8.933 ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	47952	8.575 ug/l	98
85) sec-Butylbenzene	13.340	105	62473	8.883 ug/l	99
86) p-Isopropyltoluene	13.458	119	50754	8.586 ug/l	97
87) 1,3-Dichlorobenzene	13.458	146	33429	9.644 ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	33320	9.535 ug/l	94
89) n-Butylbenzene	13.788	91	50024	8.718 ug/l	98
90) Hexachloroethane	14.052	117	12682	9.697 ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	28250	9.382 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2492	11.096 ug/l	92
93) 1,2,4-Trichlorobenzene	15.093	180	16341	8.629 ug/l	96
94) Hexachlorobutadiene	15.199	225	9092	9.229 ug/l	98
95) Naphthalene	15.329	128	29846	8.394 ug/l #	93
96) 1,2,3-Trichlorobenzene	15.517	180	14816	8.748 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080291.D
Acq On : 06 May 2025 13:55
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 03:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

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

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080291.D
Acq On : 06 May 2025 13:55
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
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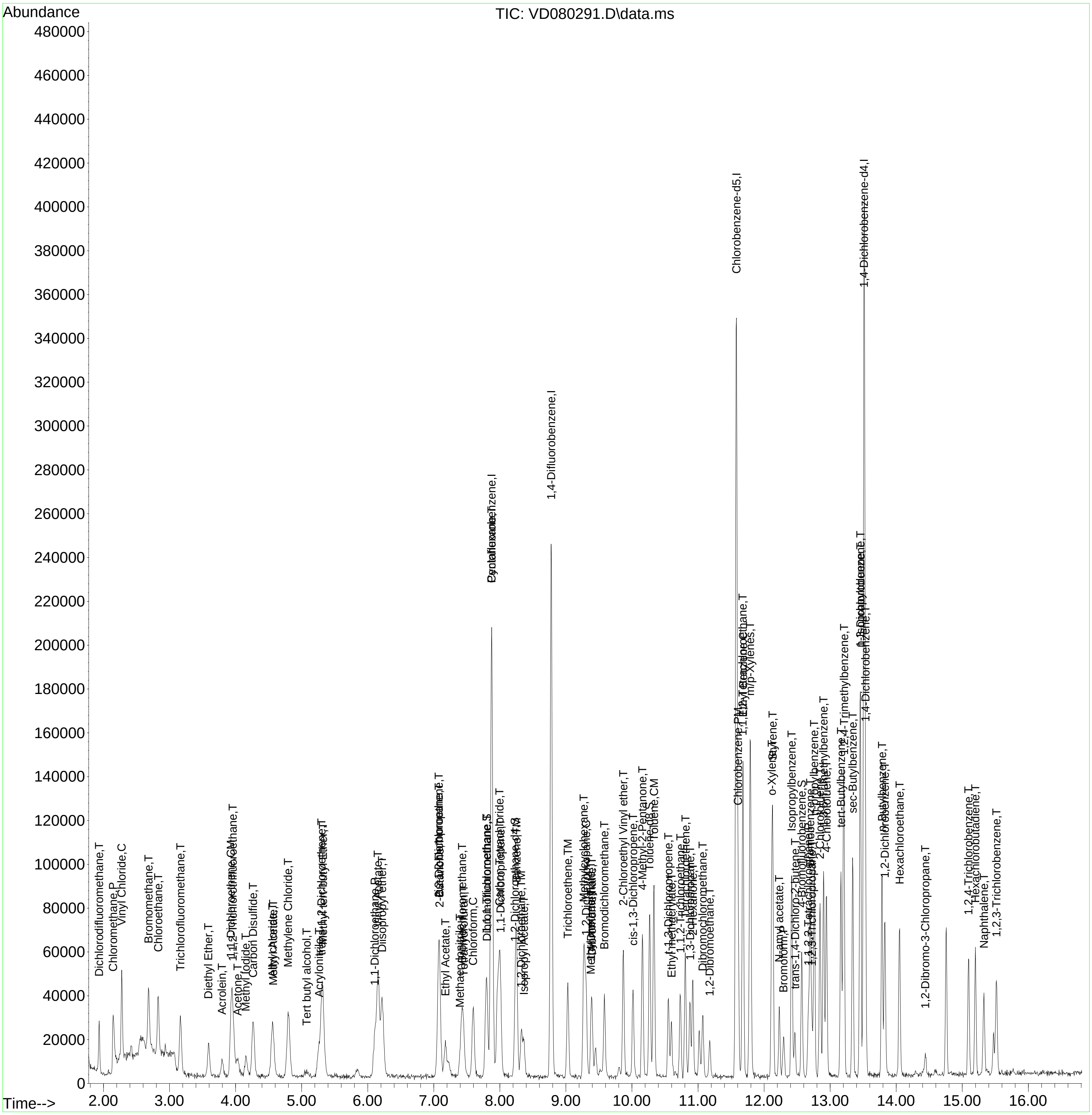
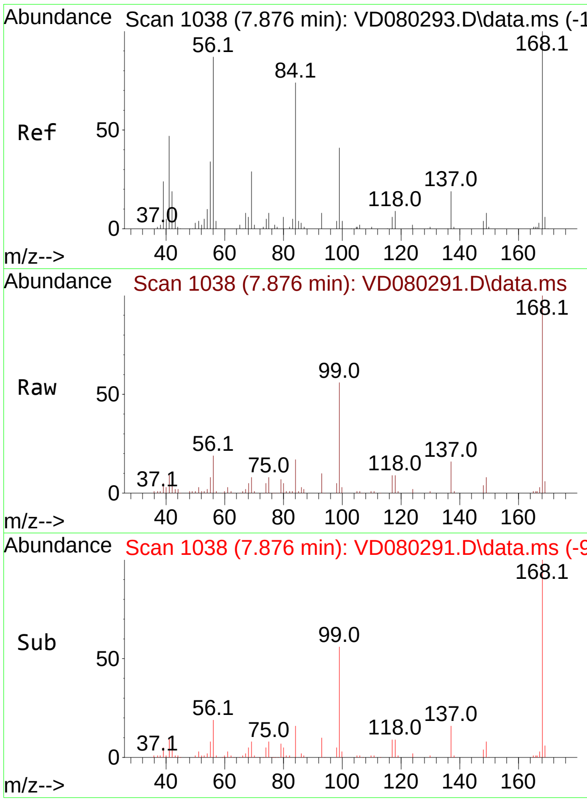
Quant Time: May 07 03:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

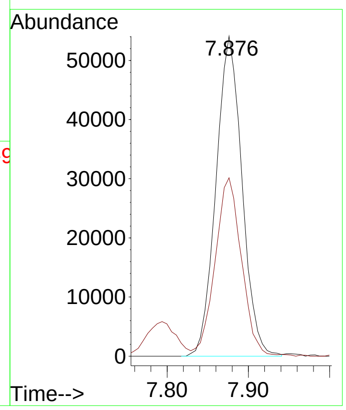
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

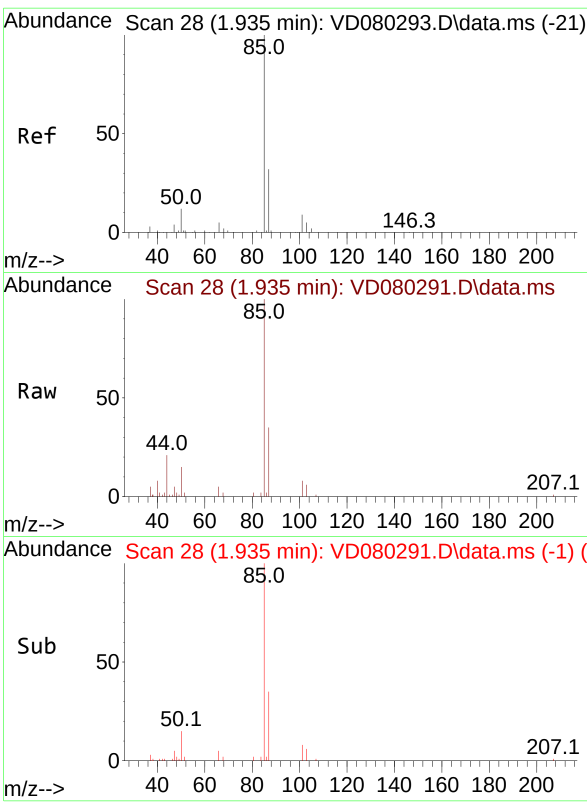
Tgt Ion:168 Resp: 12048

Ion	Ratio	Lower	Upper
168	100		
99	55.2	46.4	69.6

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

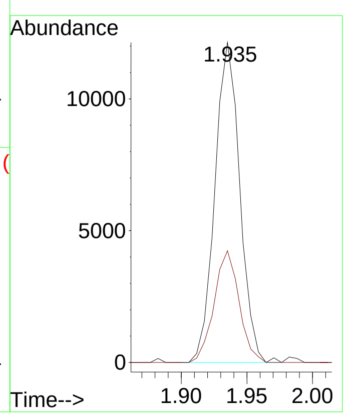




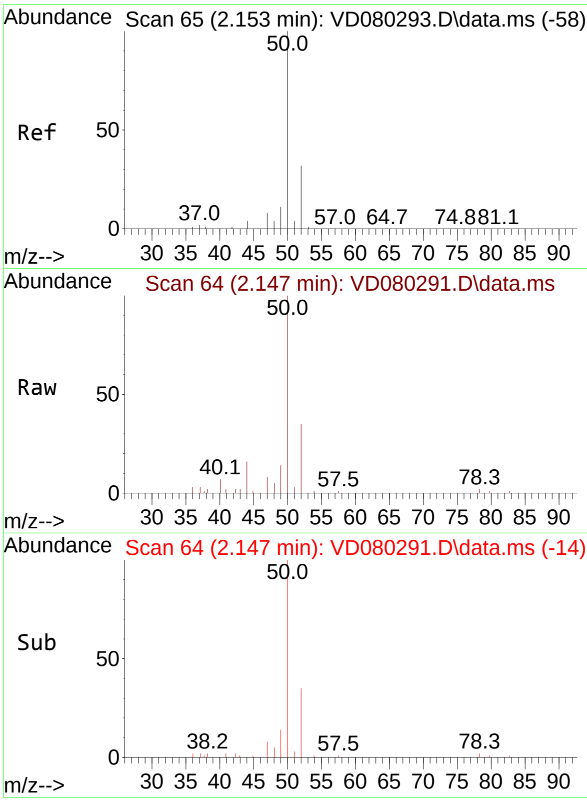
#2
Dichlorodifluoromethane
Concen: 10.404 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 85 Resp: 16009

Ion	Ratio	Lower	Upper
85	100		
87	34.9	16.2	48.6



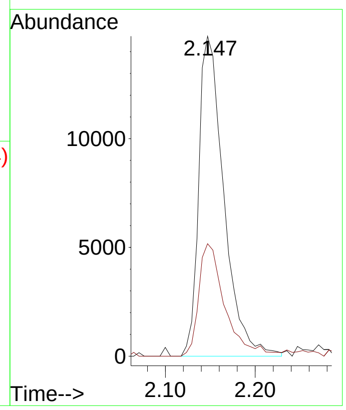
ICAL Form



#3
Chloromethane
Concen: 9.811 ug/l
RT: 2.147 min Scan# 64
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 50 Resp: 28530

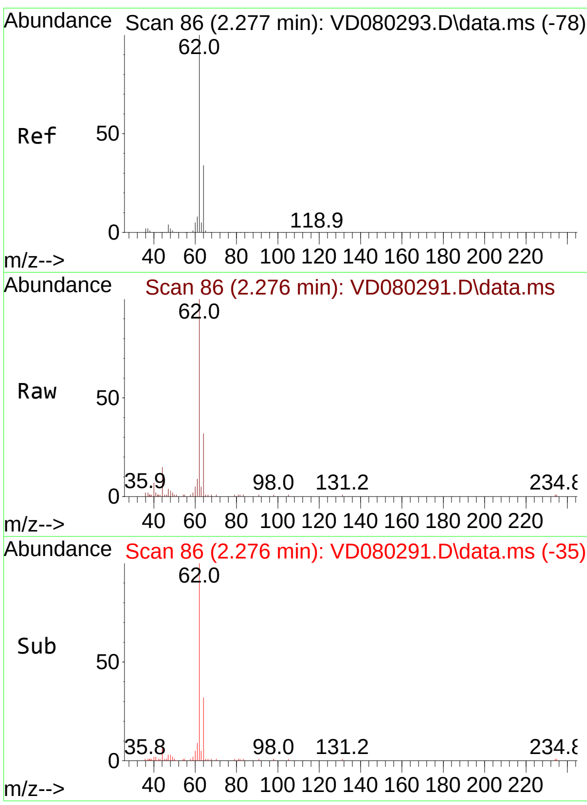
Ion	Ratio	Lower	Upper
50	100		
52	35.2	25.7	38.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

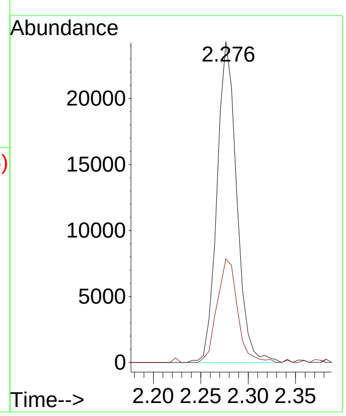
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

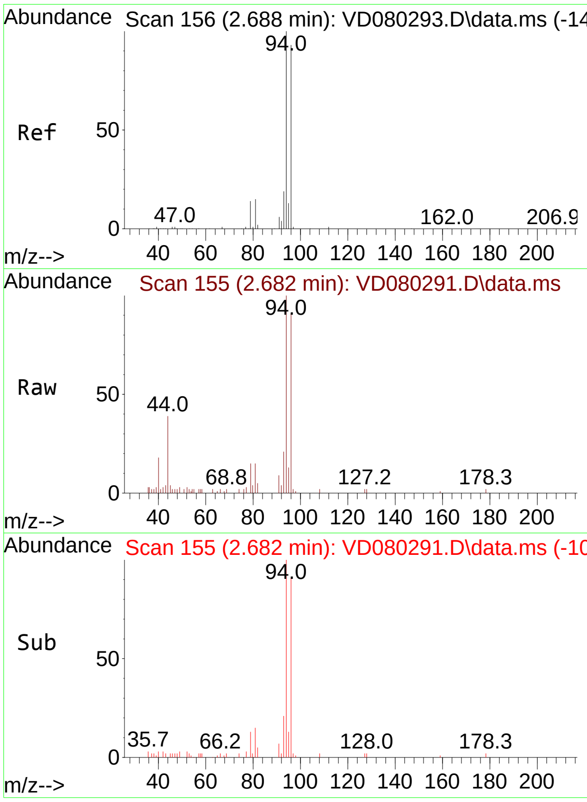


#4
Vinyl Chloride
Concen: 11.234 ug/l
RT: 2.276 min Scan# 86
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 62 Resp: 35188

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.9	40.3





#5
Bromomethane
Concen: 9.771 ug/l
RT: 2.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

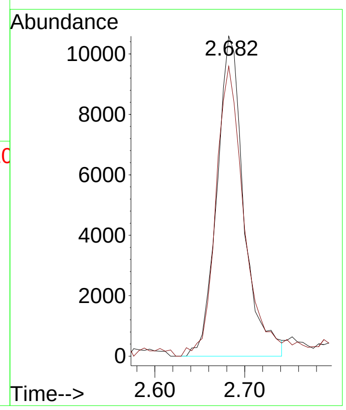
Tgt Ion: 94 Resp: 2203

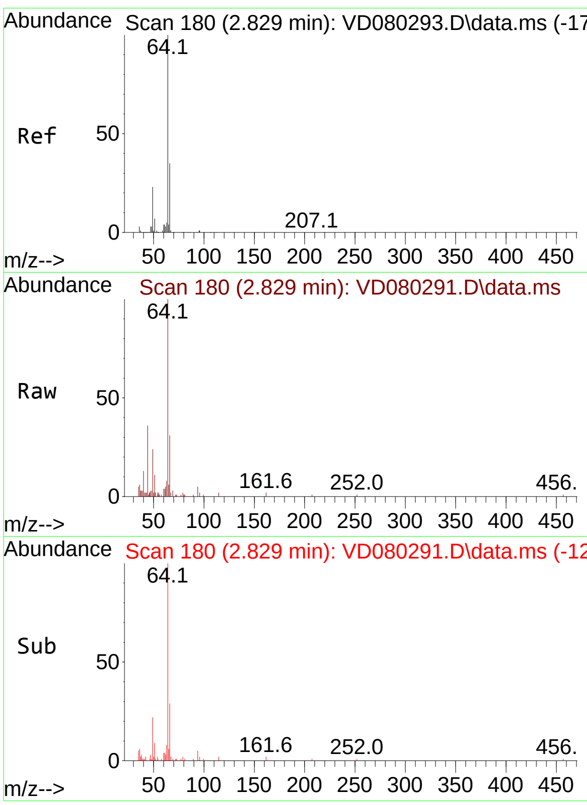
Ion	Ratio	Lower	Upper
94	100		
96	98.0	74.6	112.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

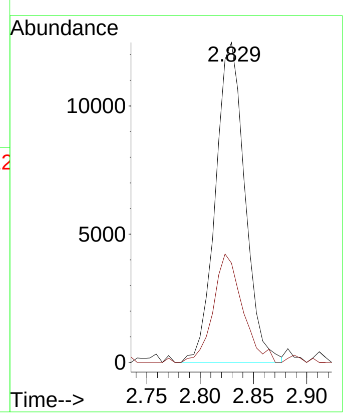




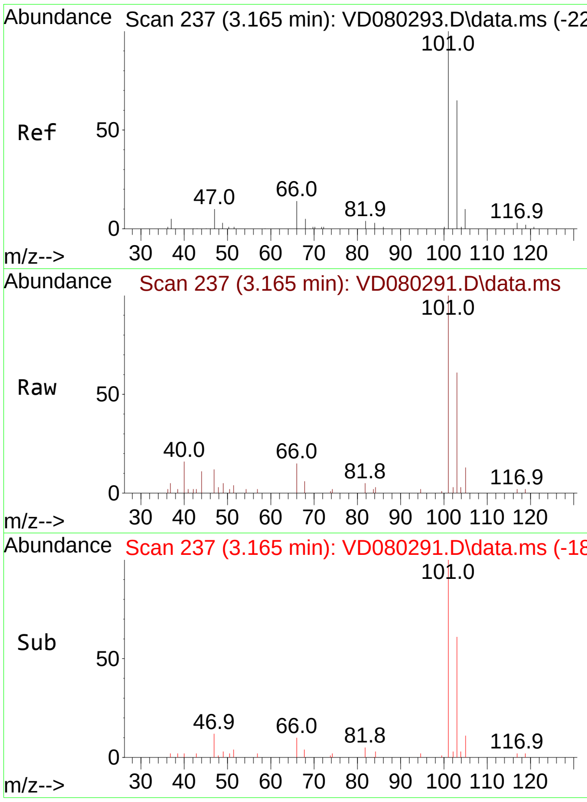
#6
Chloroethane
Concen: 10.790 ug/l
RT: 2.829 min Scan# 180
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 64 Resp: 23896

Ion	Ratio	Lower	Upper
64	100		
66	31.0	27.7	41.5



ICAL Form



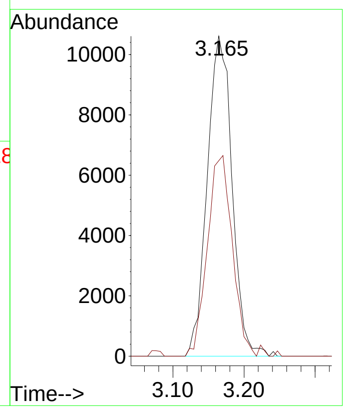
#7
Trichlorofluoromethane
Concen: 10.755 ug/l
RT: 3.165 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

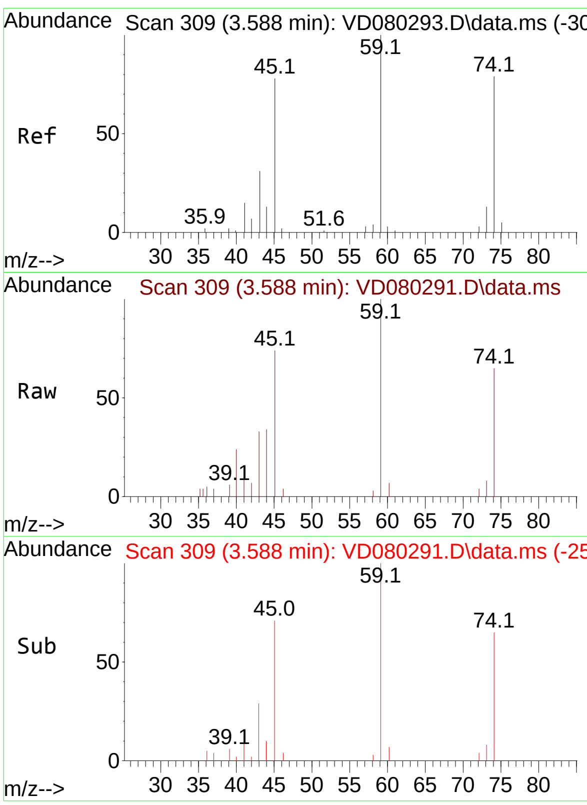
Tgt Ion:101 Resp: 2583

Ion	Ratio	Lower	Upper
101	100		
103	61.1	51.8	77.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

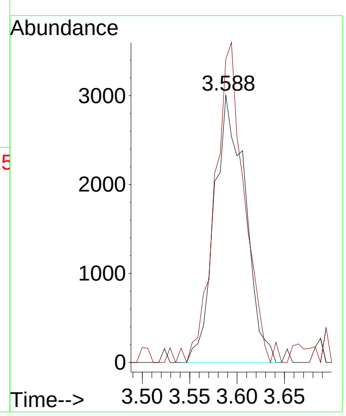


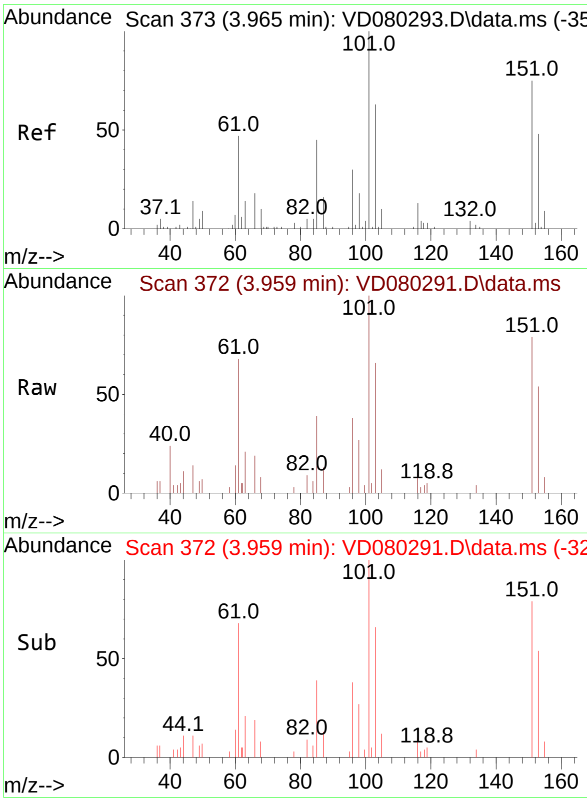


#8
Diethyl Ether
Concen: 9.249 ug/l
RT: 3.588 min Scan# 309
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 74 Resp: 6857

Ion	Ratio	Lower	Upper
74	100		
45	112.3	53.1	159.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.732 ug/l
RT: 3.959 min Scan# 3
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

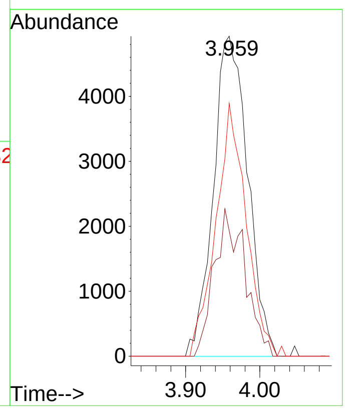
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

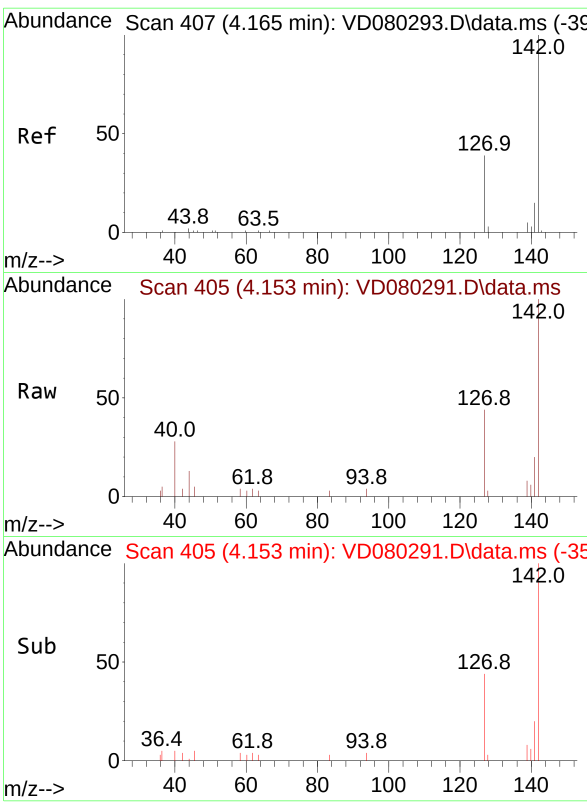
Tgt Ion:101 Resp: 1588

Ion	Ratio	Lower	Upper
101	100		
85	41.3	35.5	53.3
151	69.9	59.0	88.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

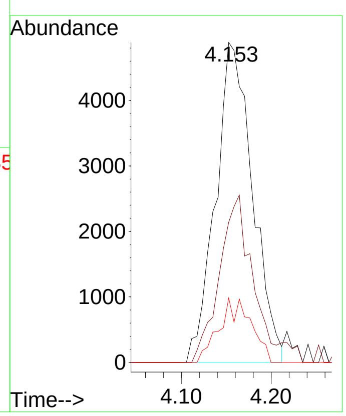




#10
Methyl Iodide
Concen: 9.269 ug/l
RT: 4.153 min Scan# 405
Delta R.T. -0.012 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:142 Resp: 13982

Ion	Ratio	Lower	Upper
142	100		
127	46.1	34.6	52.0
141	8.8	12.2	18.4#



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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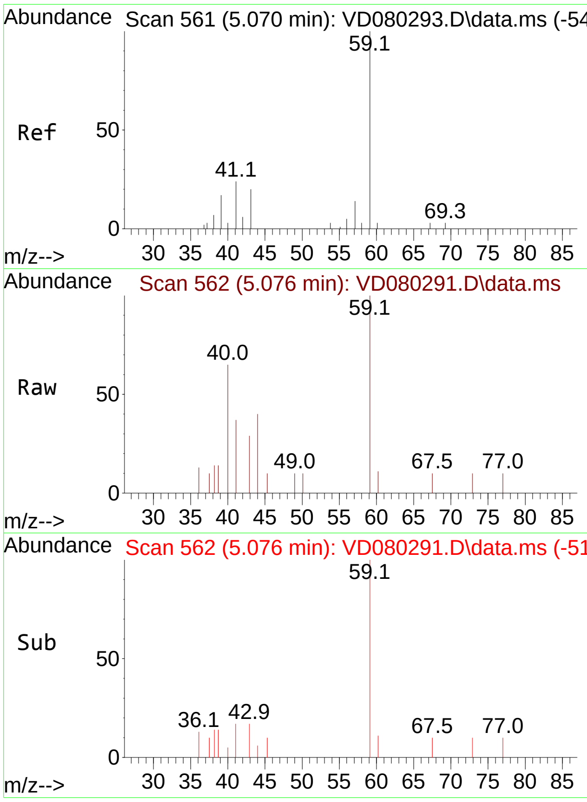
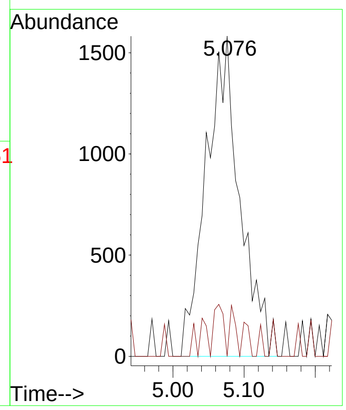
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

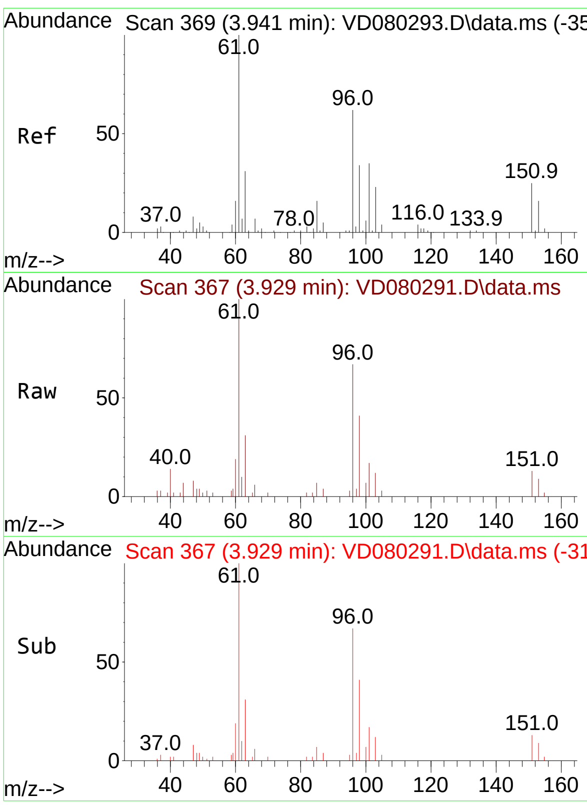


#11
Tert butyl alcohol
Concen: 55.456 ug/l
RT: 5.076 min Scan# 5
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 59 Resp: 524

Ion	Ratio	Lower	Upper
59	100		
57	4.7	10.6	16.0

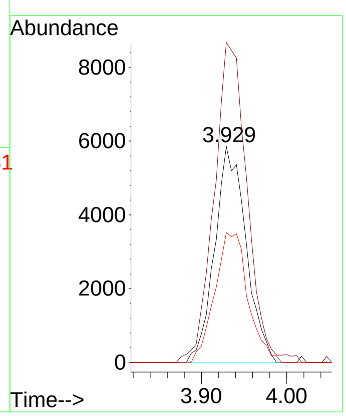




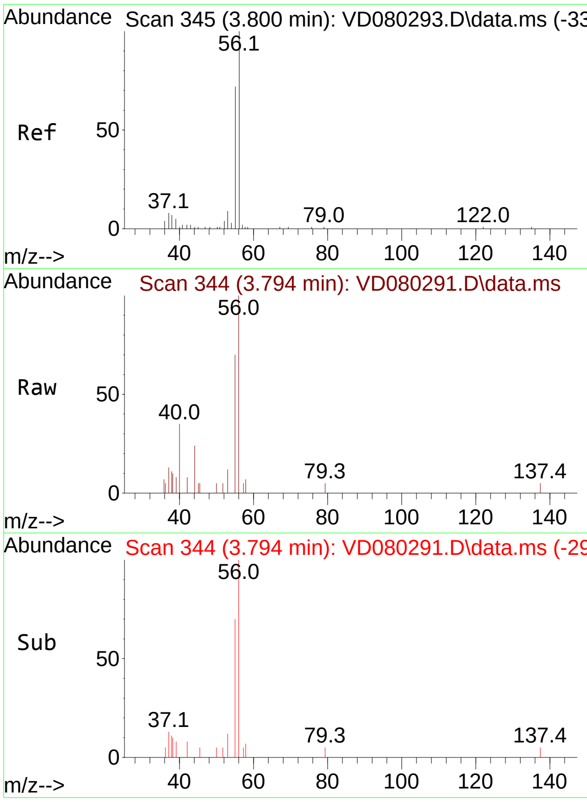
#12
1,1-Dichloroethene
Concen: 10.242 ug/l
RT: 3.929 min Scan# 367
Delta R.T. -0.012 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 96 Resp: 14942

Ion	Ratio	Lower	Upper
96	100		
61	145.6	128.2	192.2
98	60.2	43.9	65.9



ICAL Form



#13
Acrolein
Concen: 49.414 ug/l
RT: 3.794 min Scan# 34
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

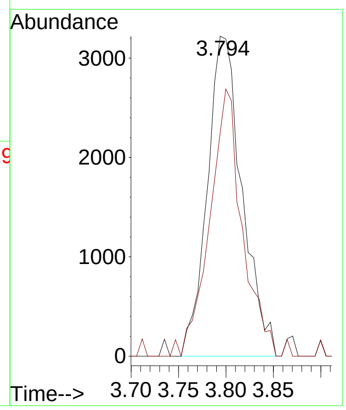
Tgt Ion: 56 Resp: 822

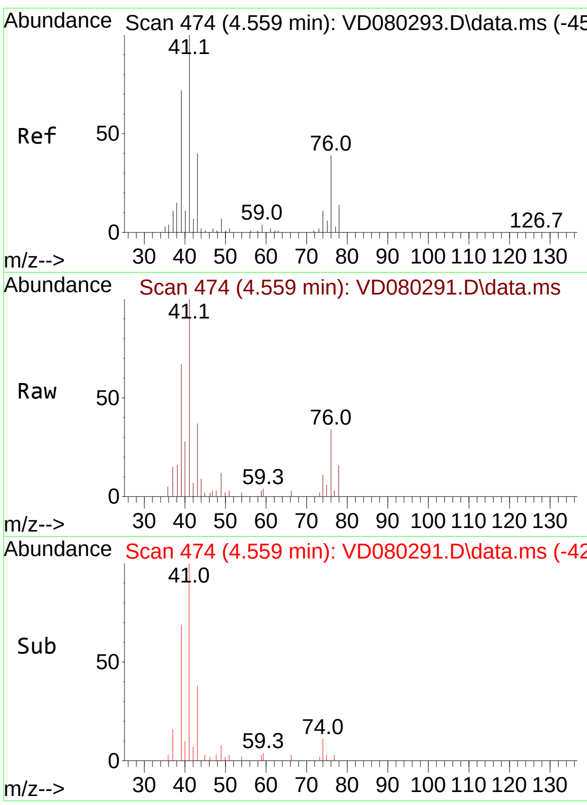
Ion	Ratio	Lower	Upper
56	100		
55	78.2	57.4	86.2

Instrument : MSVOA_D
ClientSampleId : VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

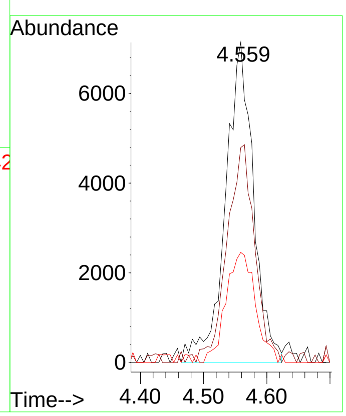




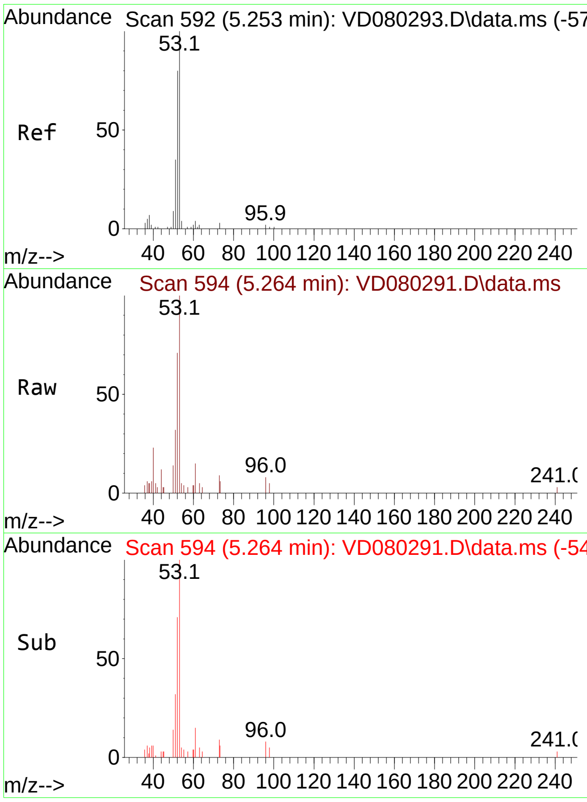
#14
Allyl chloride
Concen: 9.589 ug/l
RT: 4.559 min Scan# 474
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 41 Resp: 22002

Ion	Ratio	Lower	Upper
41	100		
39	67.6	53.0	79.4
76	36.4	28.8	43.2



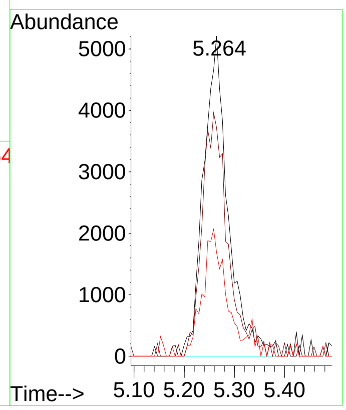
ICAL Form



#15
Acrylonitrile
Concen: 49.826 ug/l
RT: 5.264 min Scan# 59
Delta R.T. 0.012 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 53 Resp: 1775

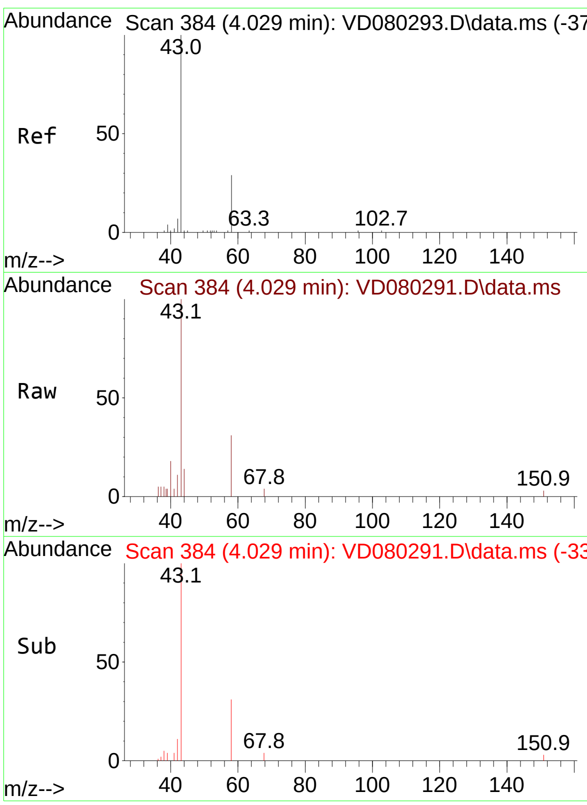
Ion	Ratio	Lower	Upper
53	100		
52	76.0	67.3	100.9
51	36.9	30.4	45.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

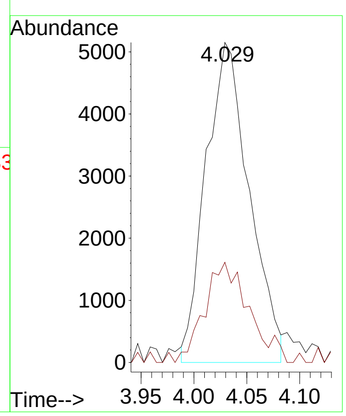
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



#16
Acetone
Concen: 46.180 ug/l m
RT: 4.029 min Scan# 384
Delta R.T. 0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 43 Resp: 14712

Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.9	34.3



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

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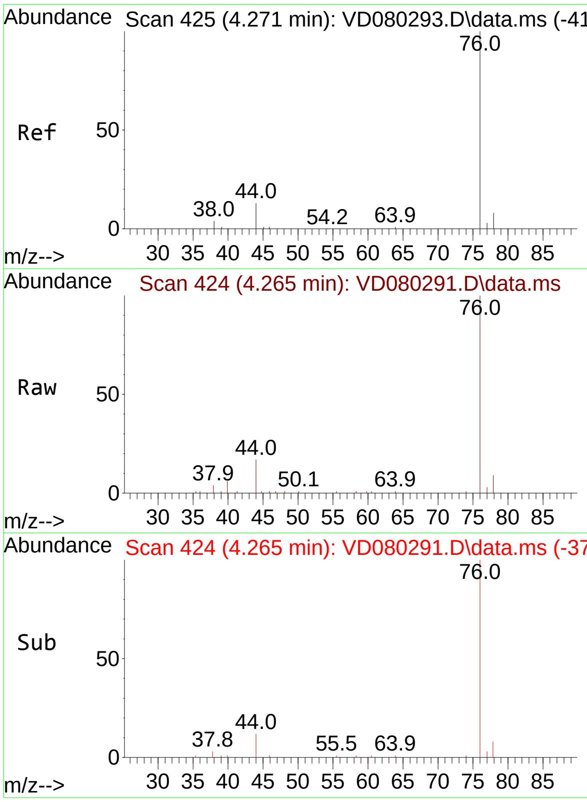
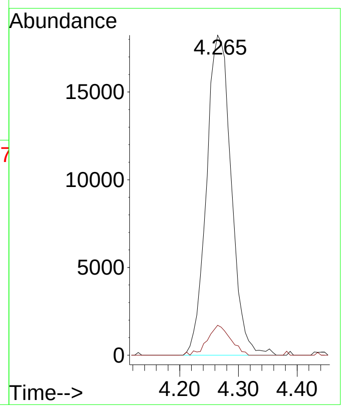
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

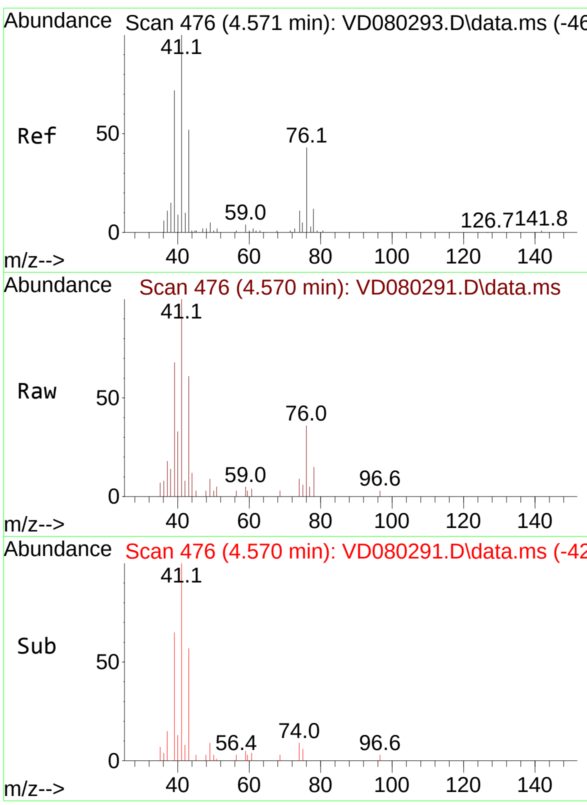


#17
Carbon Disulfide
Concen: 10.565 ug/l
RT: 4.265 min Scan# 42
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 76 Resp: 53524

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	10.0

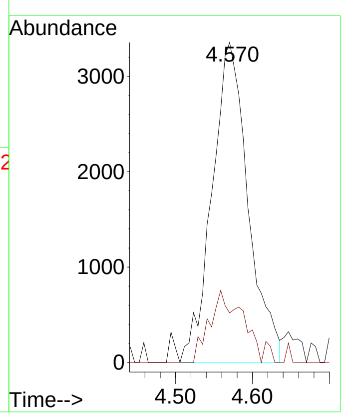


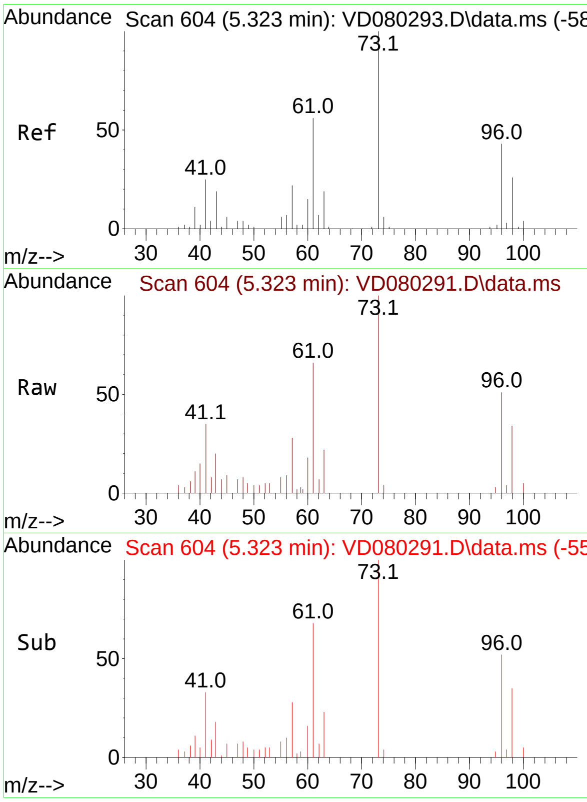


#18
Methyl Acetate
Concen: 10.819 ug/l m
RT: 4.570 min Scan# 476
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 43 Resp: 10924

Ion	Ratio	Lower	Upper
43	100		
74	12.1	20.4	30.6#





#19
Methyl tert-butyl Ether
Concen: 8.726 ug/l
RT: 5.323 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

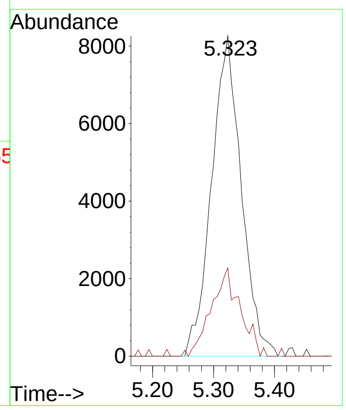
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

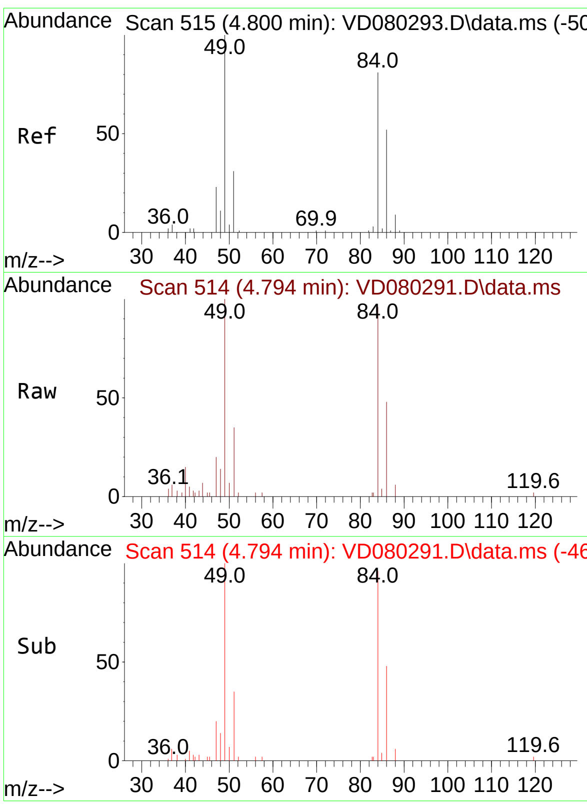
Tgt Ion: 73 Resp: 2796(

Ion	Ratio	Lower	Upper
73	100		
57	27.6	17.5	26.3#

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

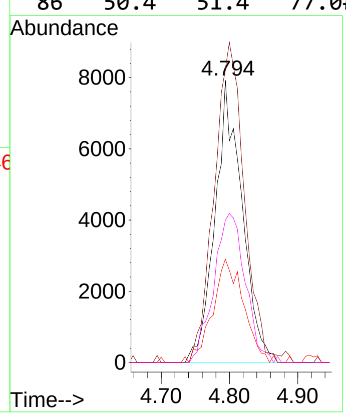




#20
Methylene Chloride
Concen: 10.071 ug/l
RT: 4.794 min Scan# 514
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 84 Resp: 21842

Ion	Ratio	Lower	Upper
84	100		
49	104.0	98.7	148.1
51	36.6	30.8	46.2
86	50.4	51.4	77.0#



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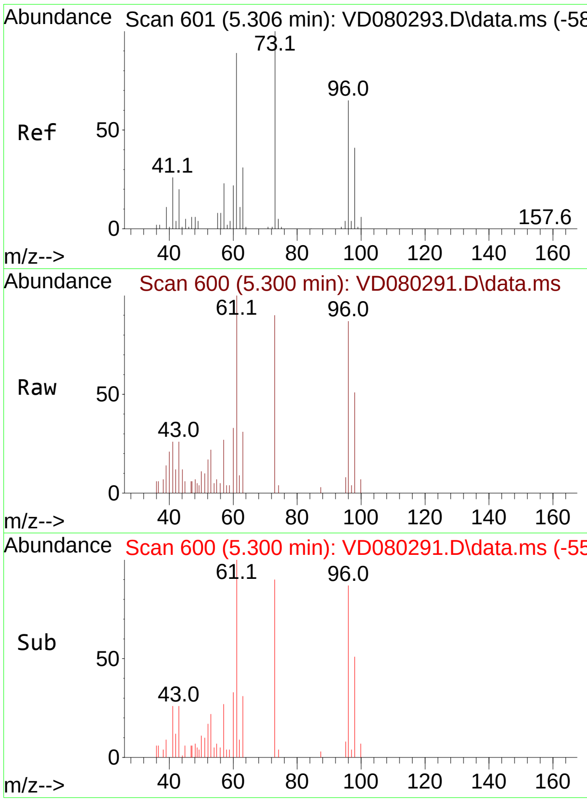


#21
trans-1,2-Dichloroethene
Concen: 9.532 ug/l
RT: 5.300 min Scan# 6(
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

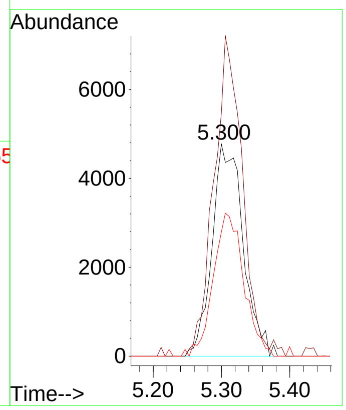
Instrument : MSVOA_D
ClientSampleId : VSTDICC010

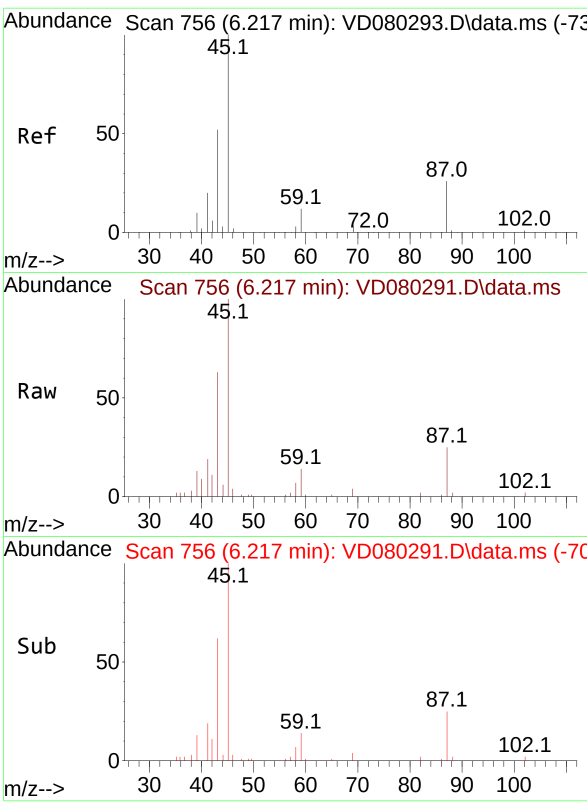
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 96 Resp: 1510

Ion	Ratio	Lower	Upper
96	100		
61	114.6	109.9	164.9
98	58.5	50.6	75.8

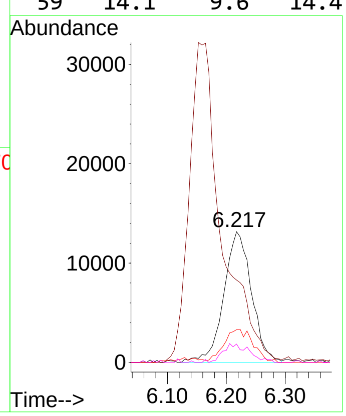




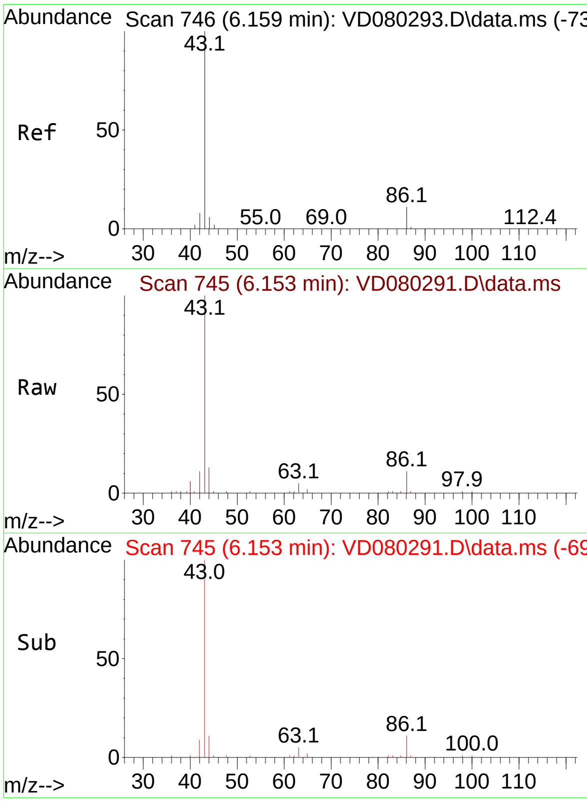
#22
Diisopropyl ether
Concen: 9.135 ug/l
RT: 6.217 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 45 Resp: 43174

Ion	Ratio	Lower	Upper
45	100		
43	60.8	42.5	63.7
87	25.1	21.4	32.0
59	14.1	9.6	14.4



ICAL Form



#23
Vinyl Acetate
Concen: 44.577 ug/l
RT: 6.153 min   Scan# 74
Delta R.T.   -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 43 Resp: 122708

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

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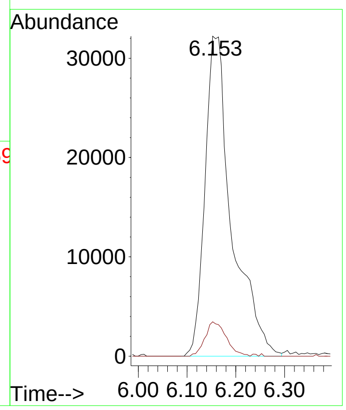
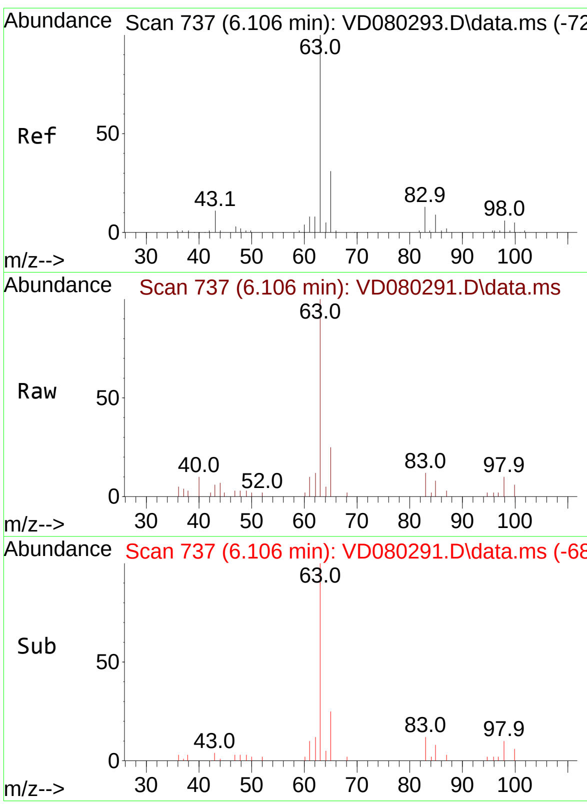
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

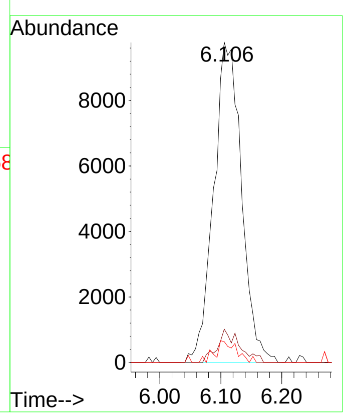


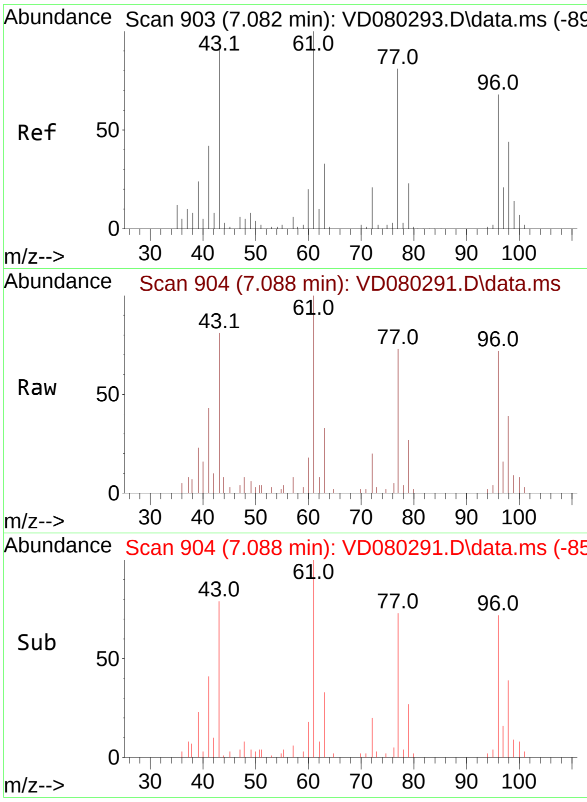


#24
1,1-Dichloroethane
Concen: 10.427 ug/l
RT: 6.106 min   Scan# 737
Delta R.T.   -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 63 Resp: 31010

Ion	Ratio	Lower	Upper
63	100		
98	10.4	3.1	9.3#
100	6.5	2.3	6.9





#25
2-Butanone
Concen: 46.094 ug/l
RT: 7.088 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 19760

Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.0	28.4

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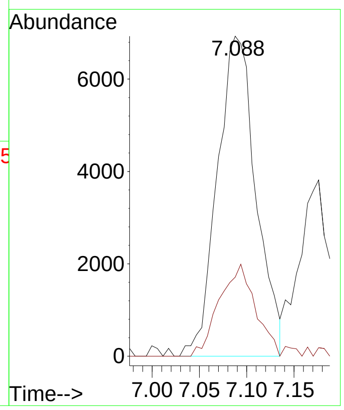
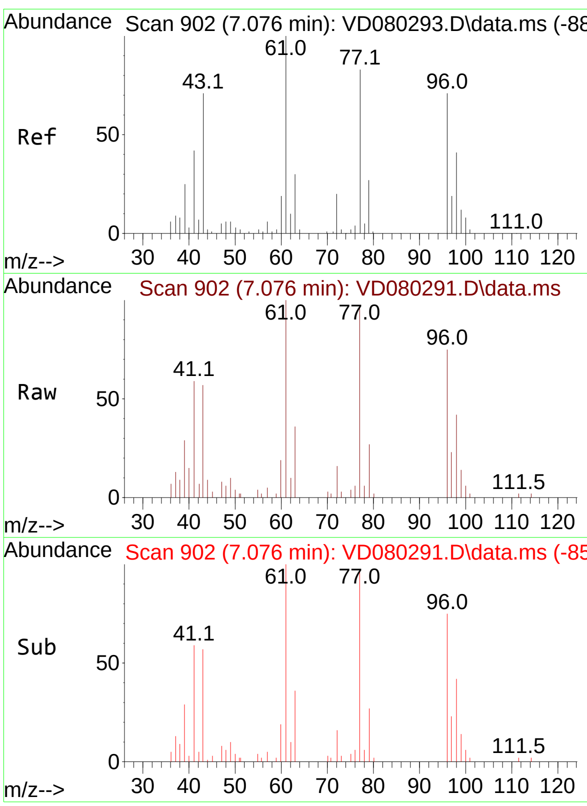
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

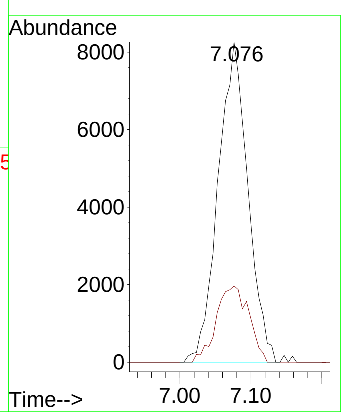




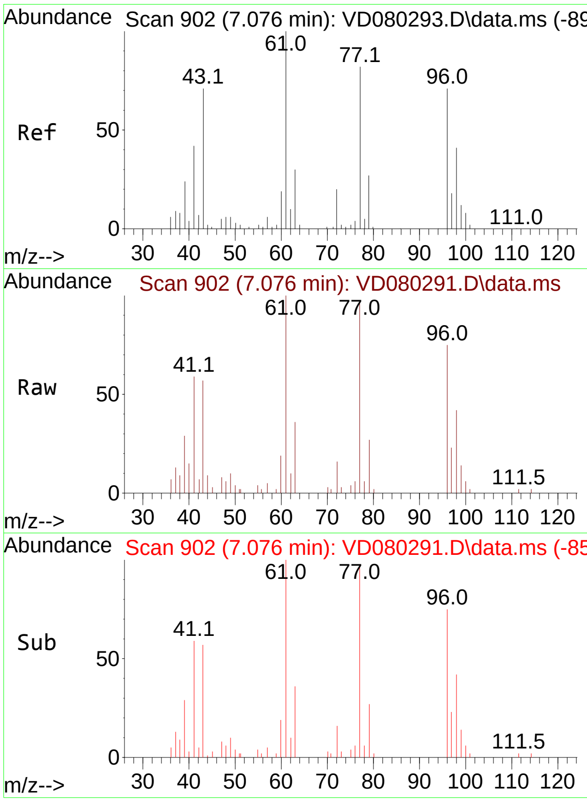
#26
2,2-Dichloropropane
Concen: 10.181 ug/l
RT: 7.076 min Scan# 902
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 77 Resp: 24094

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.0	36.1



ICAL Form



#27
cis-1,2-Dichloroethene
Concen: 9.671 ug/l
RT: 7.076 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

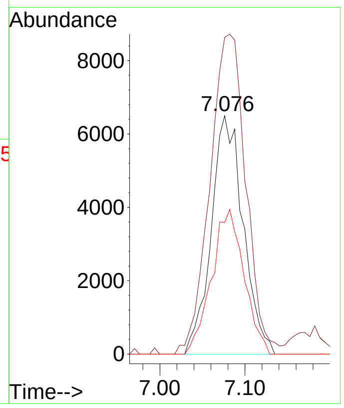
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

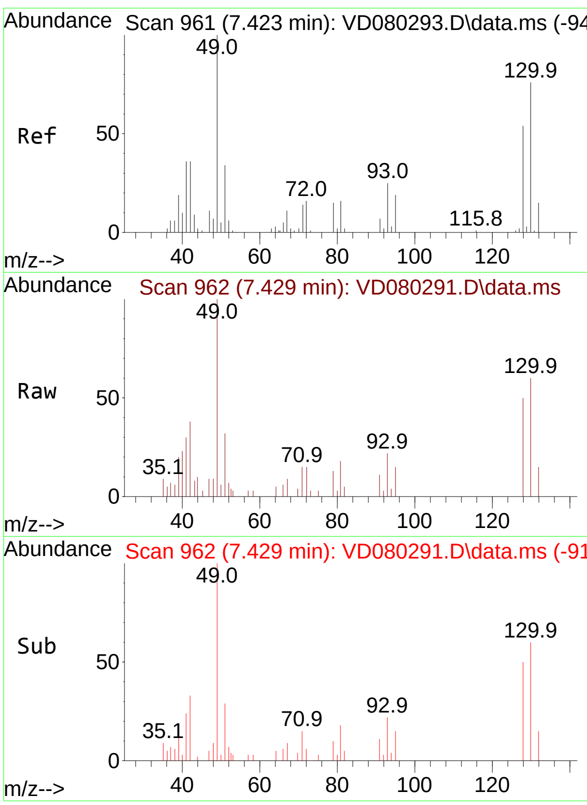
Tgt Ion: 96 Resp: 1698

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	293.8
98	61.6	0.0	128.8

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

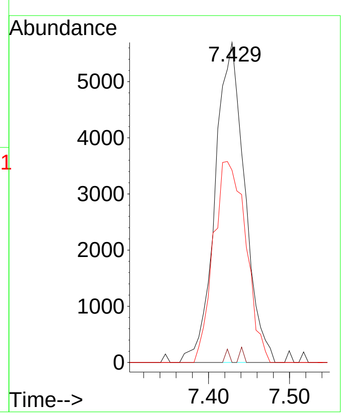




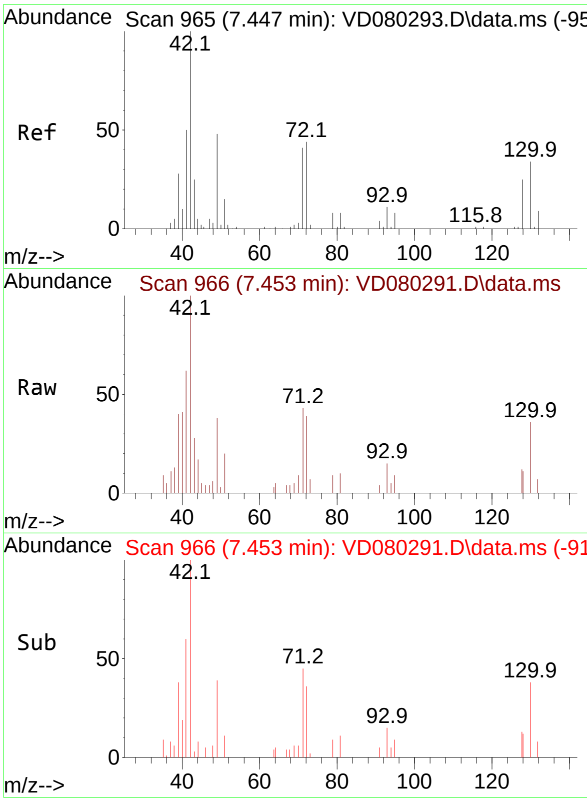
#28
Bromochloromethane
Concen: 10.448 ug/l
RT: 7.429 min Scan# 962
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 49 Resp: 14468

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	69.0	56.0	84.0



ICAL Form



#29
Tetrahydrofuran
Concen: 46.270 ug/l
RT: 7.453 min   Scan# 9
Delta R.T.   0.006 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 42 Resp: 1293

Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.8	49.2
71	37.8	33.8	50.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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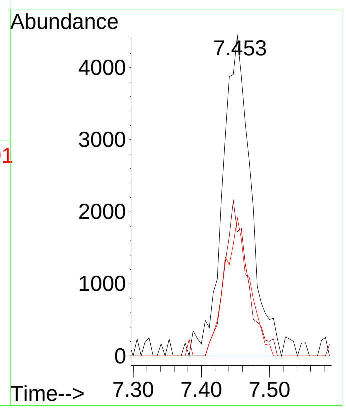
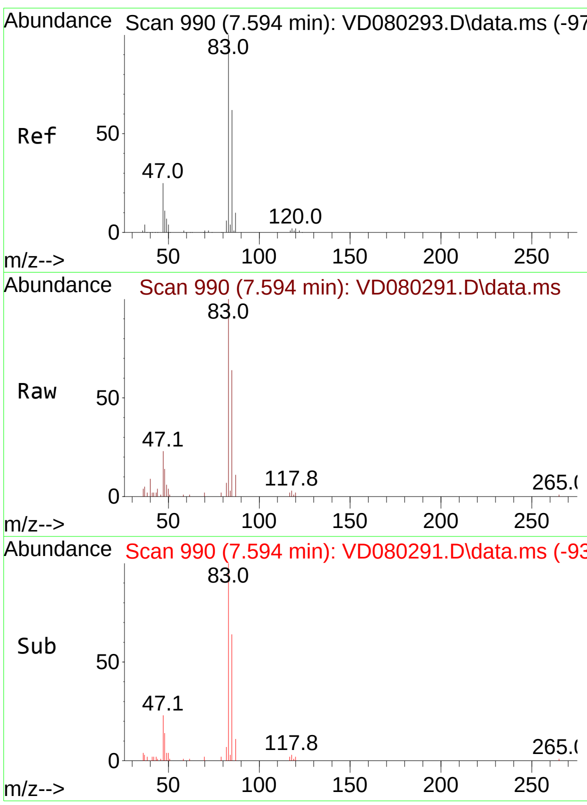
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

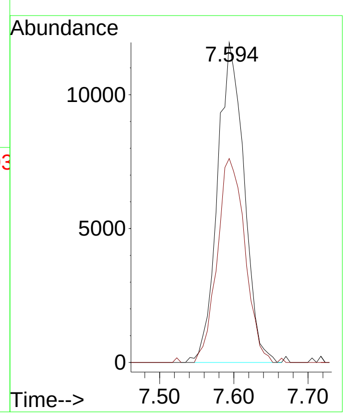




#30
Chloroform
Concen: 10.026 ug/l
RT: 7.594 min   Scan# 990
Delta R.T.   -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 83 Resp: 29736

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.0	75.0



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/07/2025
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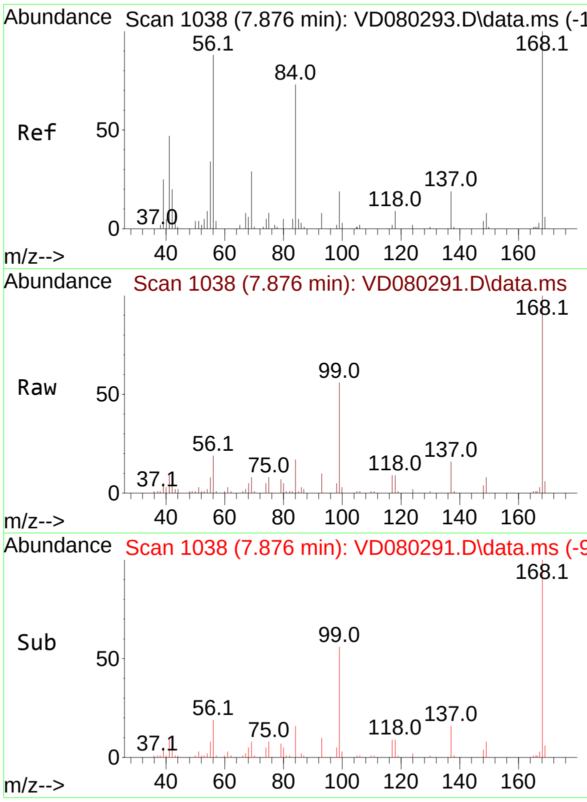
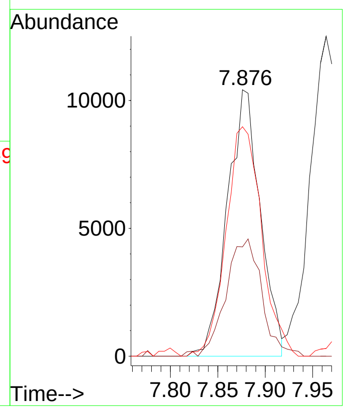
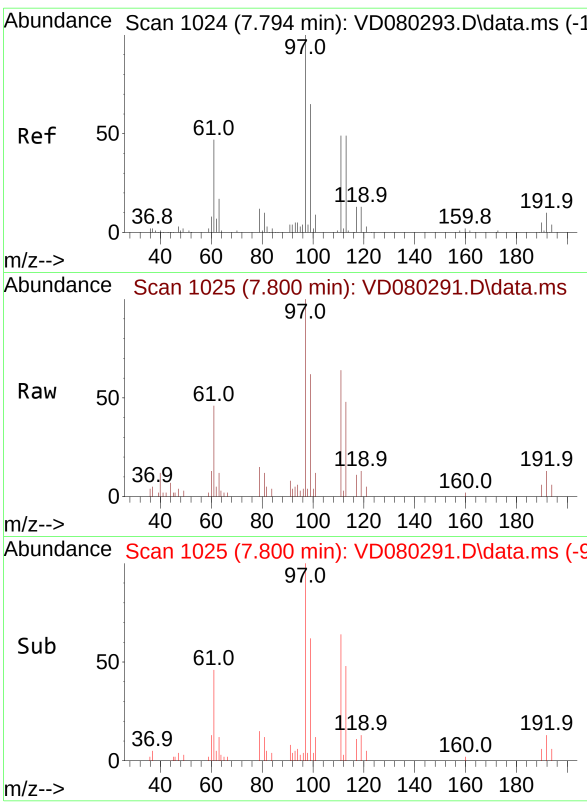



```
#31
Cyclohexane
Concen:    9.933 ug/l
RT:   7.876 min  Scan# 1(
Delta R.T.  -0.000 min
Lab File:   VD080291.D
Acq: 06 May 2025  13:55

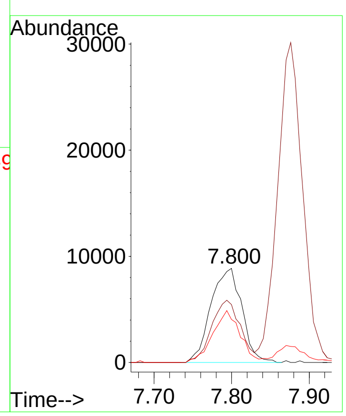
Tgt Ion: 56 Resp:   2514
Ion  Ratio  Lower  Upper
 56  100
 69   41.0   26.1   39.1#
 84   86.1   66.5   99.7
```

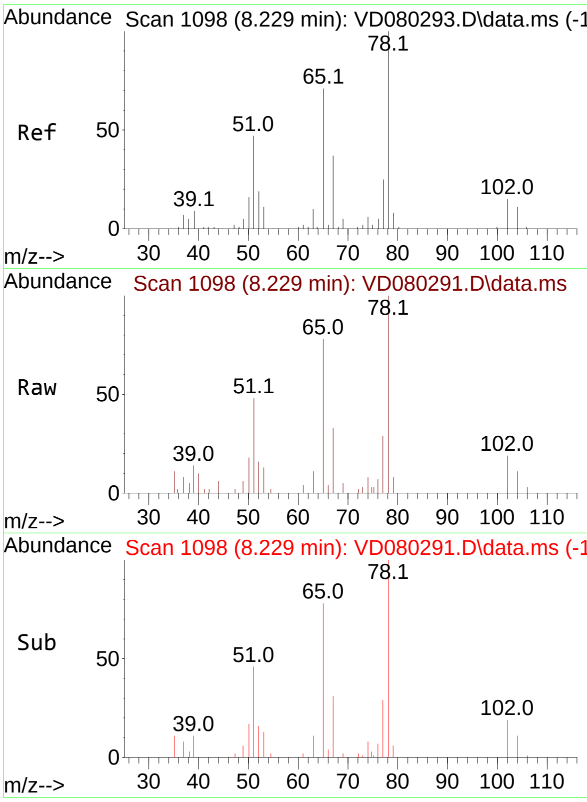





```
#32
1,1,1-Trichloroethane
Concen:   10.178 ug/l
RT:   7.800 min  Scan# 1025
Delta R.T.  0.006 min
Lab File:   VD080291.D
Acq: 06 May 2025  13:55

Tgt Ion: 97 Resp:   24628
Ion  Ratio  Lower  Upper
 97  100
 99   61.4   52.4   78.6
 61   49.4   37.9   56.9
```





#33
1,2-Dichloroethane-d4
Concen: 10.229 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

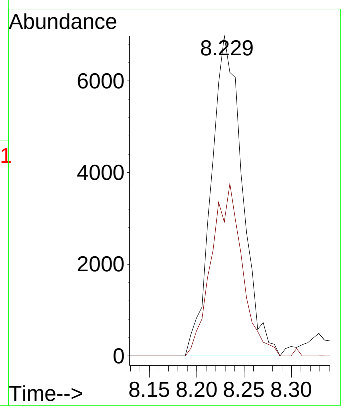
Tgt Ion: 65 Resp: 1593

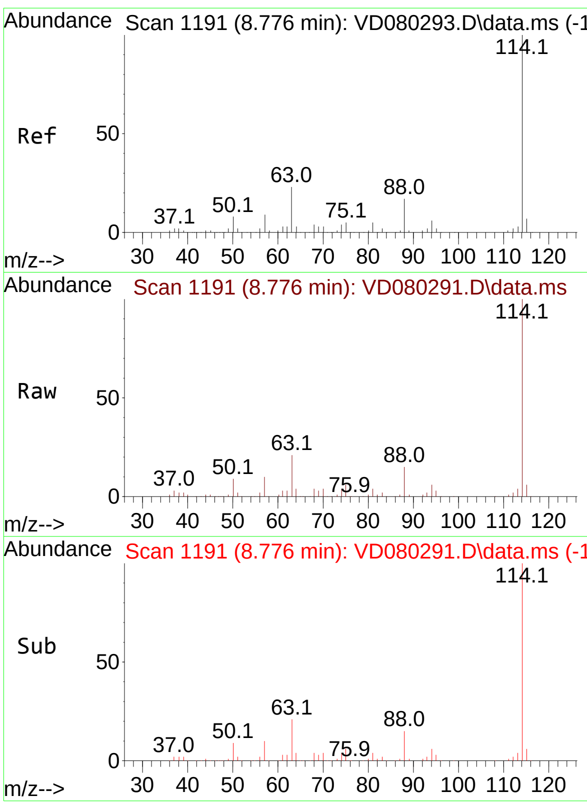
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

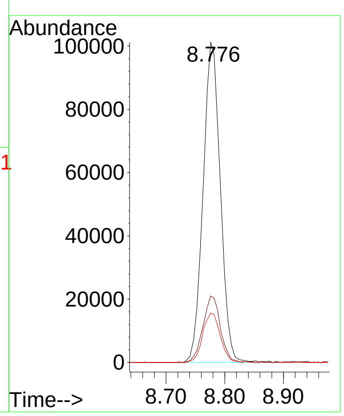




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:114 Resp: 207661

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.6
88	15.5	0.0	33.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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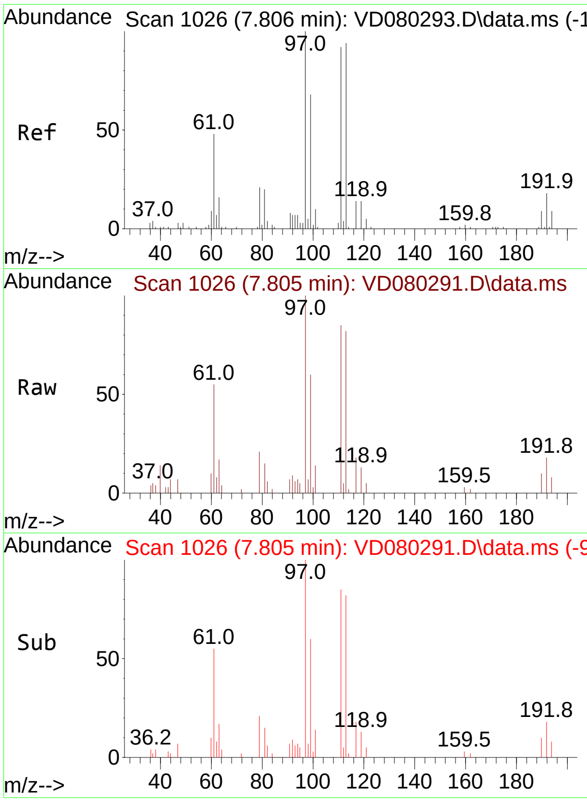
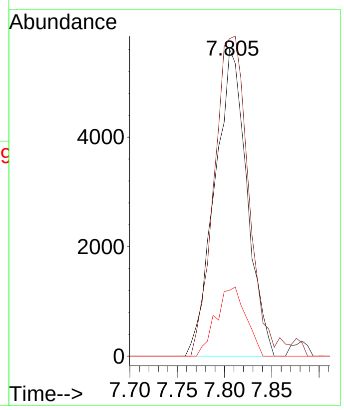
Supervised By :Semsettin Yesilyurt 05/07/2025

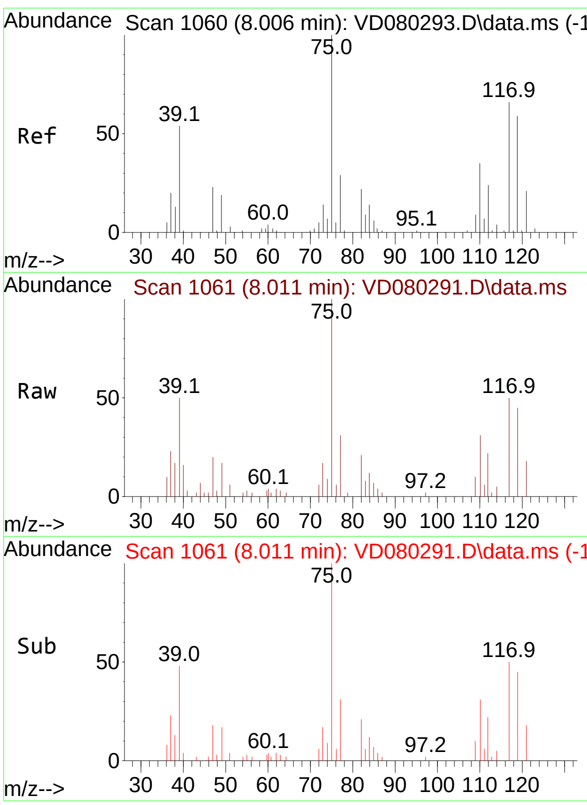


#35
Dibromofluoromethane
Concen: 9.555 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:113 Resp: 1329

Ion	Ratio	Lower	Upper
113	100		
111	111.4	80.7	121.1
192	20.9	15.7	23.5

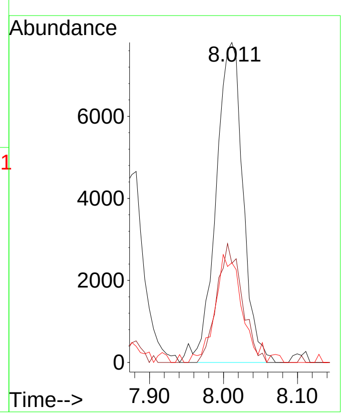


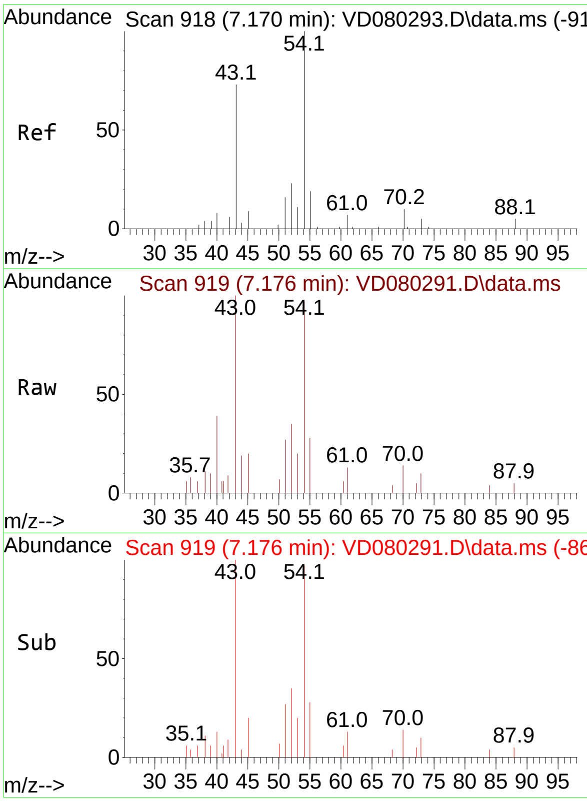


#36
1,1-Dichloropropene
Concen: 9.523 ug/l
RT: 8.011 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 75 Resp: 19810

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.1	51.2
77	33.6	24.9	37.3





#37
Ethyl Acetate
Concen: 9.670 ug/l
RT: 7.176 min   Scan# 9
Delta R.T.   0.006 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 43 Resp: 1049

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	6.0	8.7	13.1#

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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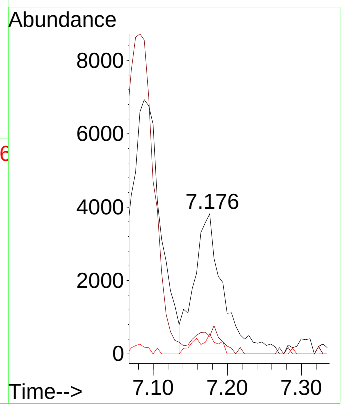
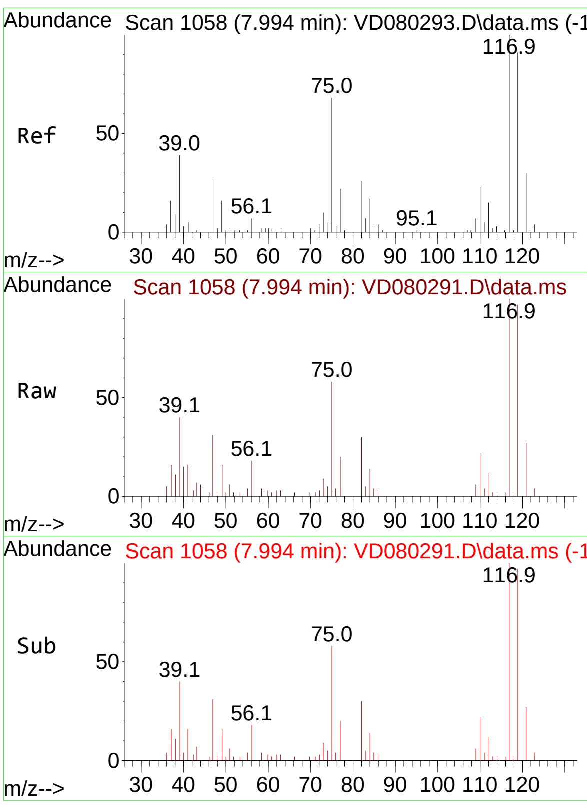
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

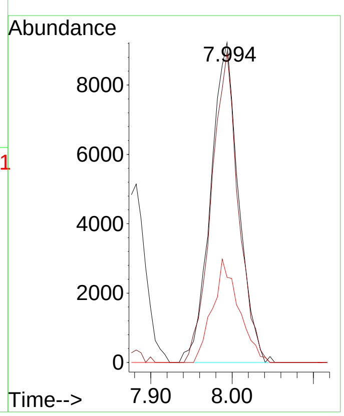


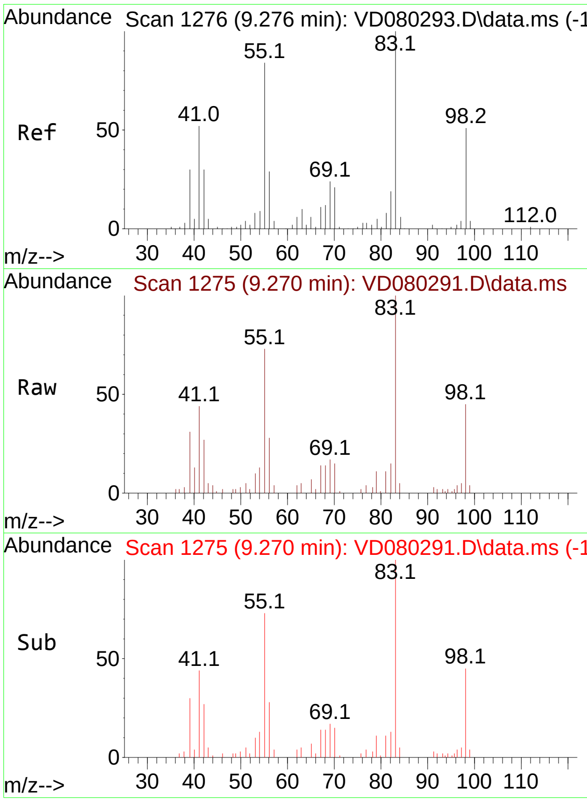


#38
Carbon Tetrachloride
Concen: 10.182 ug/l
RT: 7.994 min   Scan# 1058
Delta R.T.   -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion:117 Resp: 22088

Ion	Ratio	Lower	Upper
117	100		
119	97.0	72.7	109.1
121	26.6	24.4	36.6





#39
Methylcyclohexane
Concen: 9.149 ug/l
RT: 9.270 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 2208

Ion	Ratio	Lower	Upper
83	100		
55	73.1	67.4	101.2
98	44.7	40.6	61.0

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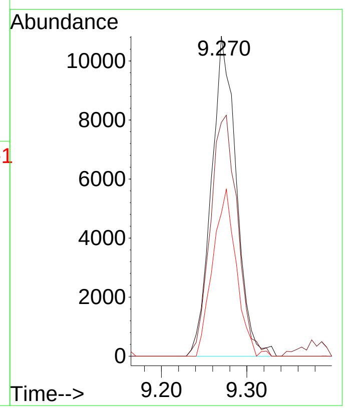
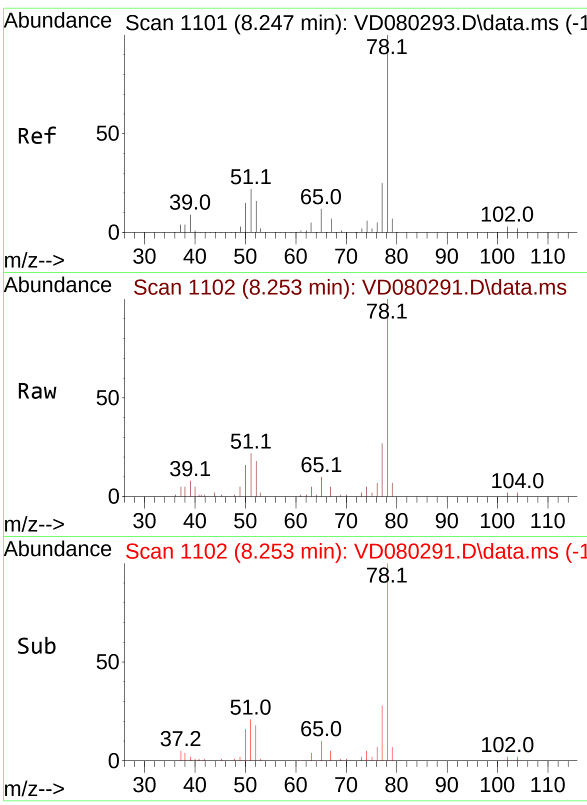
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

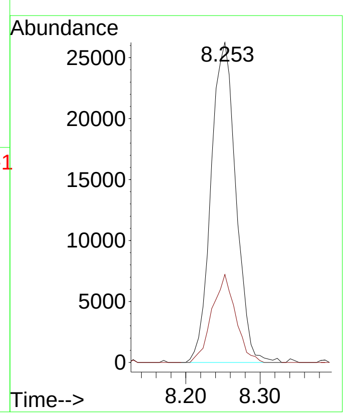




#40
Benzene
Concen: 9.423 ug/l
RT: 8.253 min   Scan# 1102
Delta R.T.   0.006 min
Lab File: VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 78 Resp: 61413

Ion	Ratio	Lower	Upper
78	100		
77	27.5	19.8	29.8



Instrument : MSVOA_D
ClientSampleId : VSTDICC010

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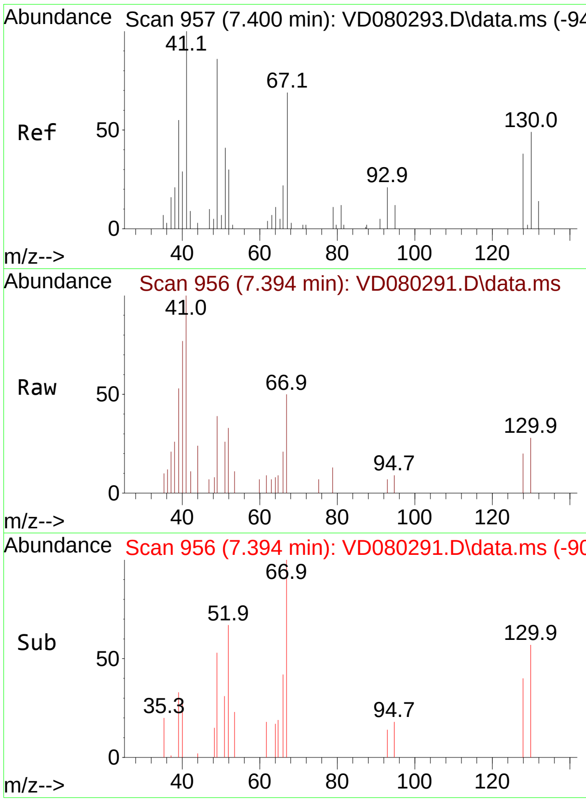
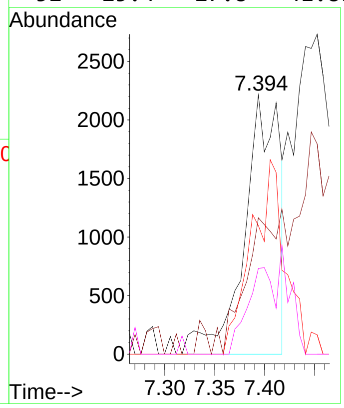
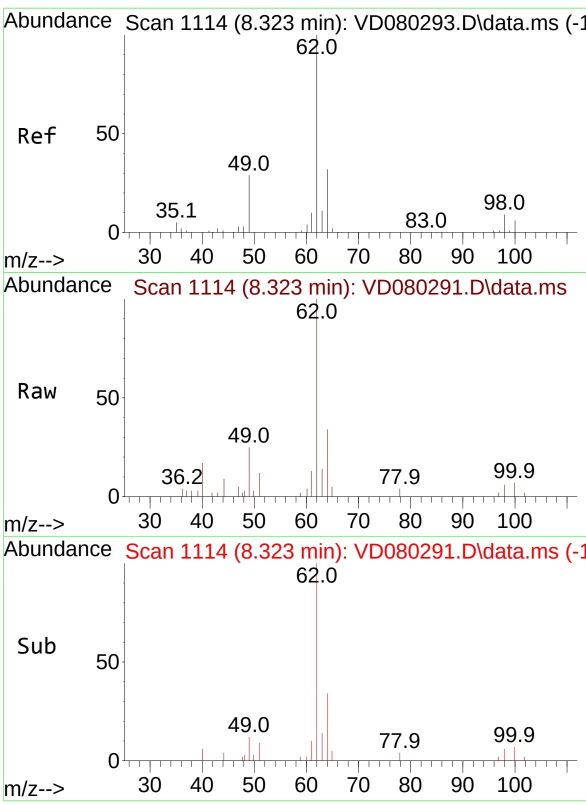
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#41
Methacrylonitrile
Concen:    8.953 ug/l m
RT:   7.394 min  Scan# 9
Delta R.T.  -0.006 min
Lab File:   VD080291.D
Acq: 06 May 2025  13:55

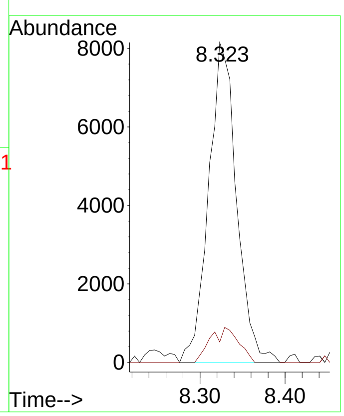
Tgt Ion: 41 Resp:    538
Ion  Ratio  Lower  Upper
 41  100
 39   47.4   44.4   66.6
 67   72.5   57.1   85.7
 52   25.4   27.8   41.8#
```






```
#42
1,2-Dichloroethane
Concen:    9.859 ug/l
RT:   8.323 min  Scan# 1114
Delta R.T.  -0.000 min
Lab File:   VD080291.D
Acq: 06 May 2025  13:55

Tgt Ion: 62 Resp:   18620
Ion  Ratio  Lower  Upper
 62  100
 98   11.0    0.0   20.2
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

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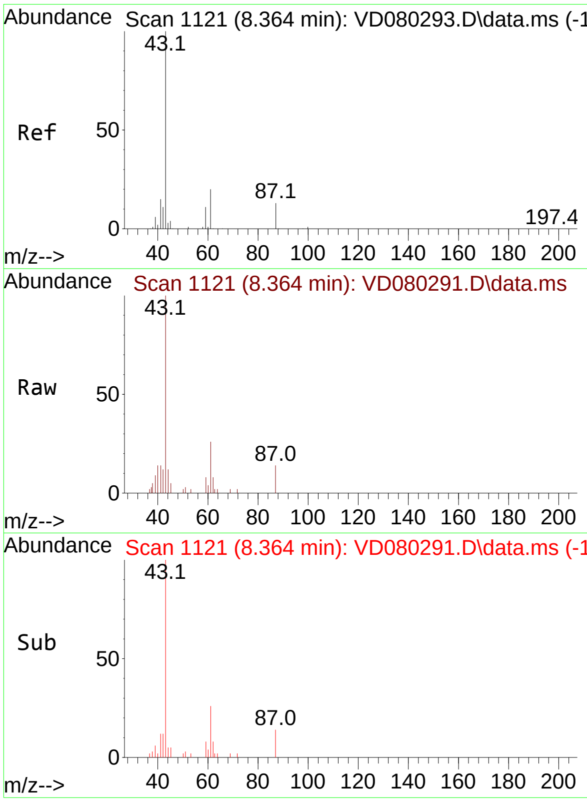
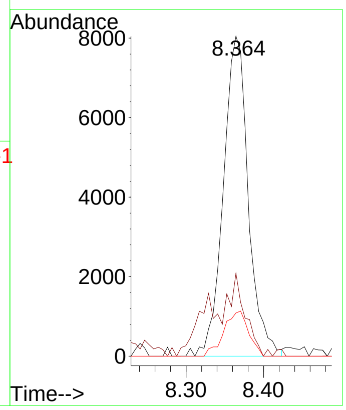
Supervised By :Semsettin Yesilyurt 05/07/2025

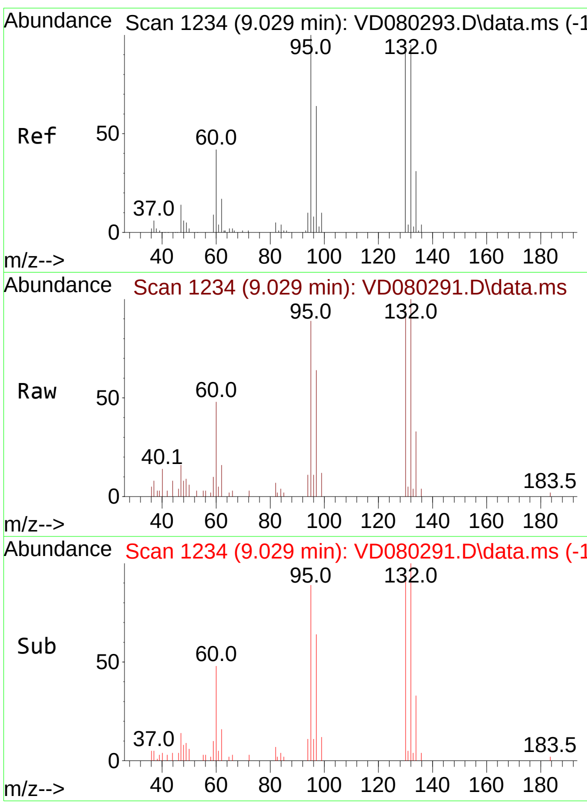


#43
Isopropyl Acetate
Concen: 9.177 ug/l
RT: 8.364 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 43 Resp: 1810

Ion	Ratio	Lower	Upper
43	100		
61	17.6	16.7	25.1
87	13.9	10.4	15.6

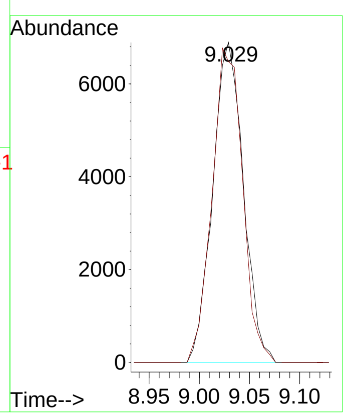




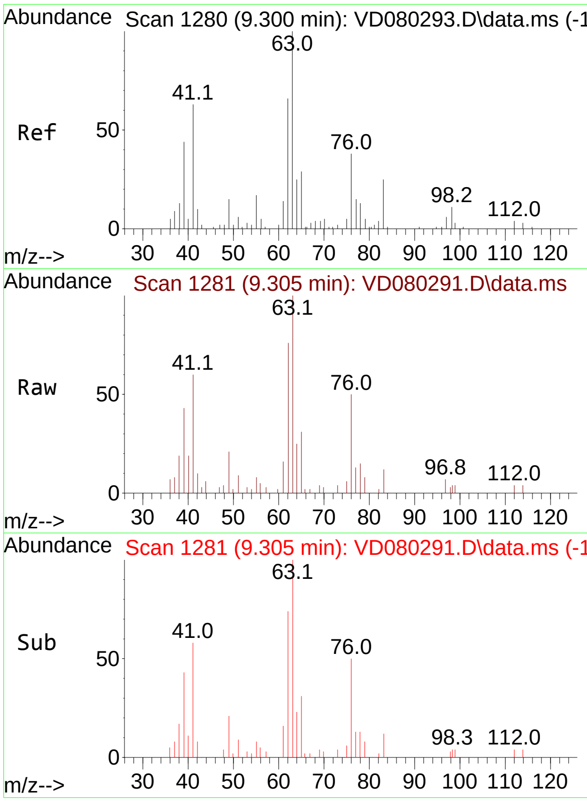
#44
Trichloroethene
Concen: 9.693 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:130 Resp: 14665

Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	212.2



ICAL Form



#45
1,2-Dichloropropane
Concen: 9.711 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

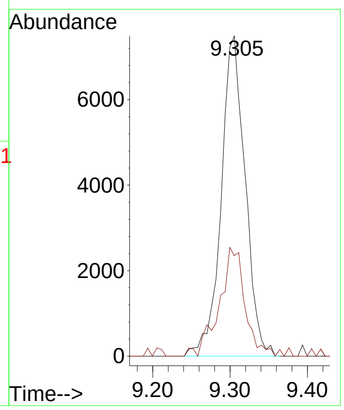
Tgt Ion: 63 Resp: 1623

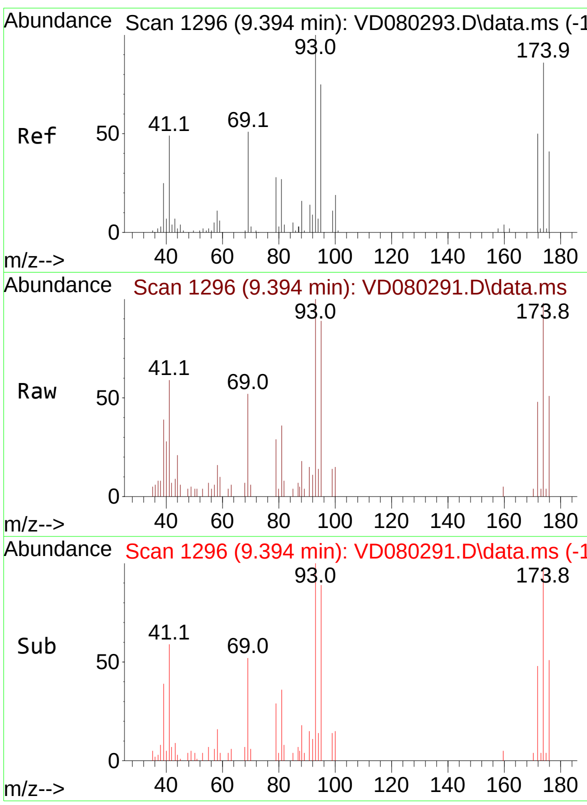
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.9	34.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

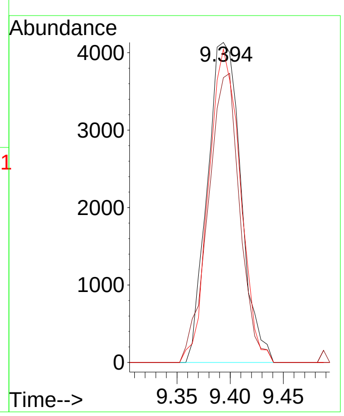




#46
Dibromomethane
Concen: 9.966 ug/l
RT: 9.394 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 93 Resp: 9070

Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.3	100.9
174	92.3	75.5	113.3



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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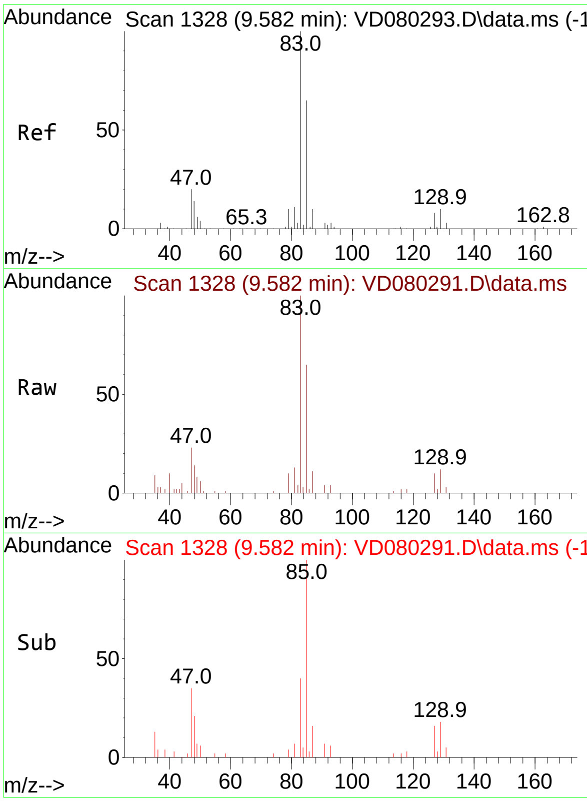
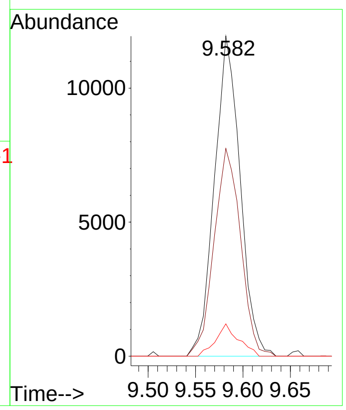
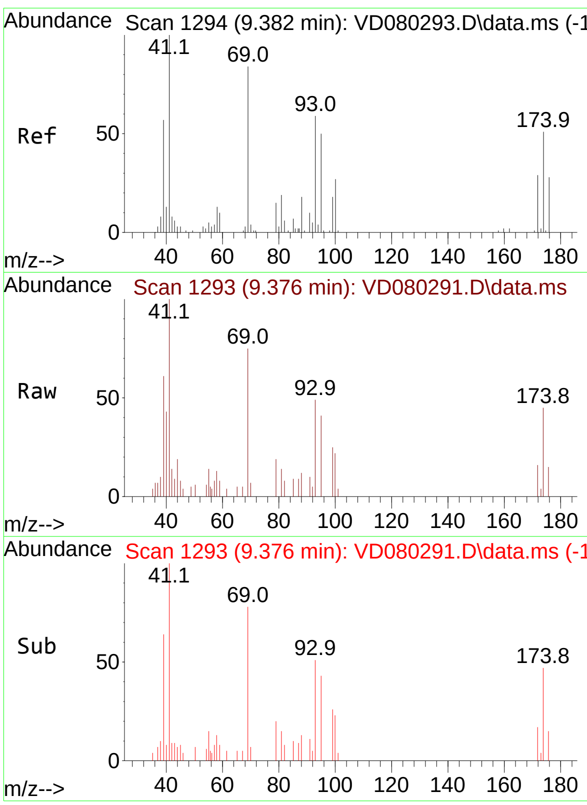


#47
Bromodichloromethane
Concen: 9.751 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 83 Resp: 2252

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.7	77.5
127	10.1	6.6	9.8

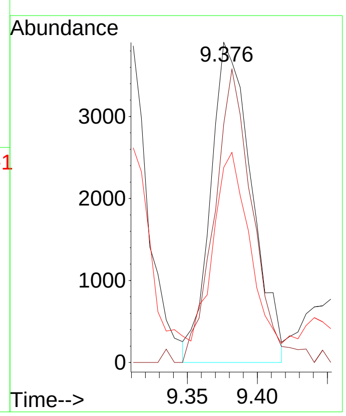




#48
Methyl methacrylate
Concen: 8.493 ug/l m
RT: 9.376 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 41 Resp: 7959

Ion	Ratio	Lower	Upper
41	100		
69	85.9	67.8	101.8
39	51.5	47.5	71.3



Instrument : MSVOA_D
ClientSampleId : VSTDICC010

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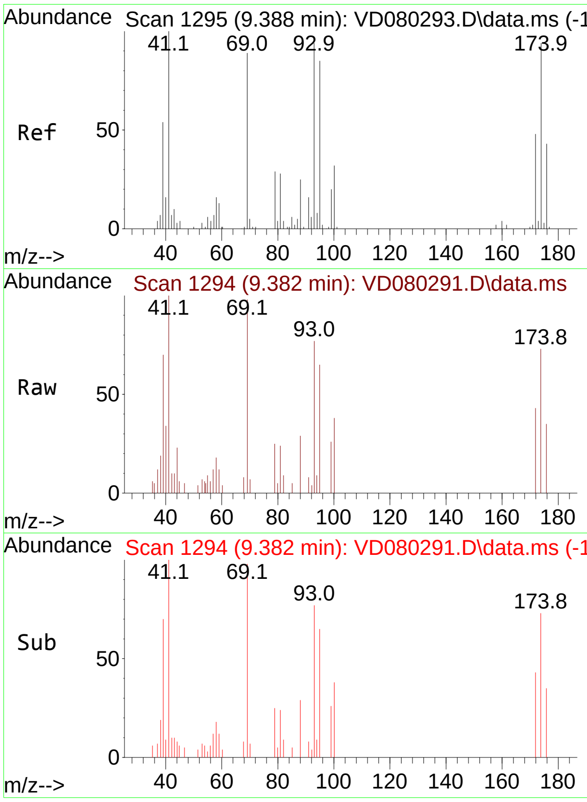
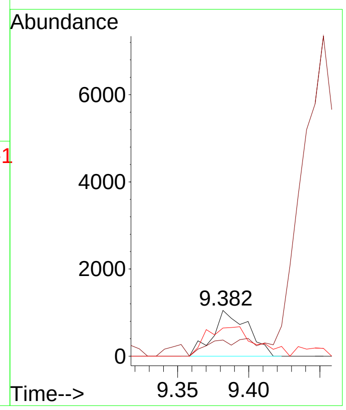
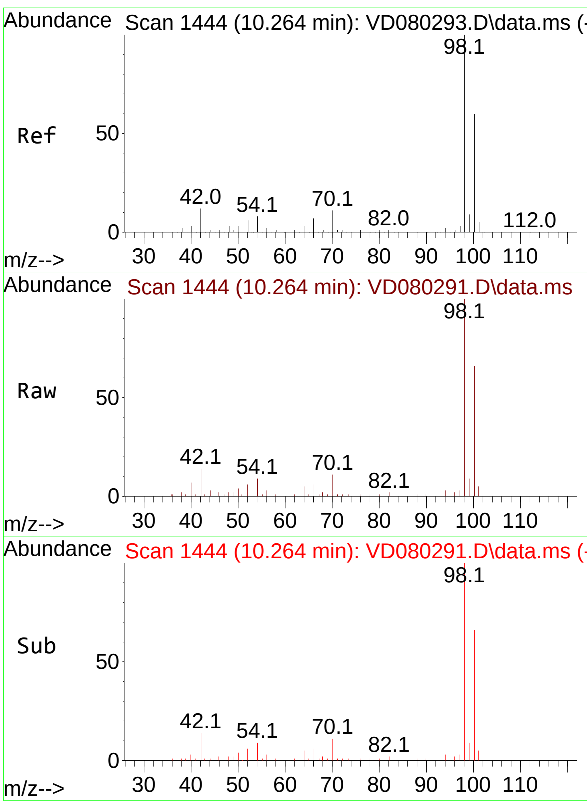


#49
1,4-Dioxane
Concen: 166.725 ug/l
RT: 9.382 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 88 Resp: 180

Ion	Ratio	Lower	Upper
88	100		
43	26.9	31.4	47.2#
58	89.3	61.8	92.6

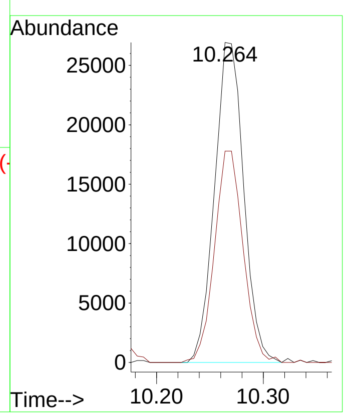




#50
Toluene-d8
Concen: 9.320 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 98 Resp: 51113

Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.0	75.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/07/2025
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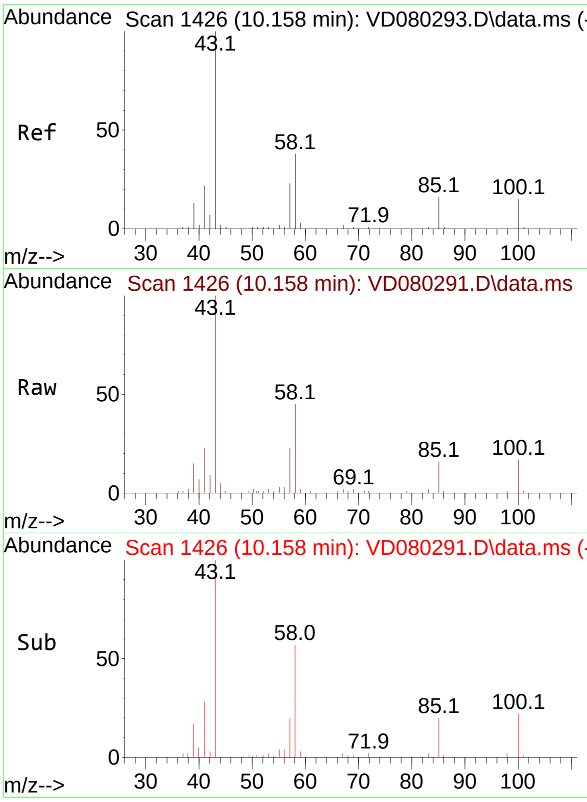
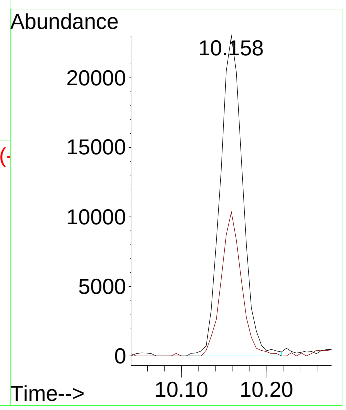
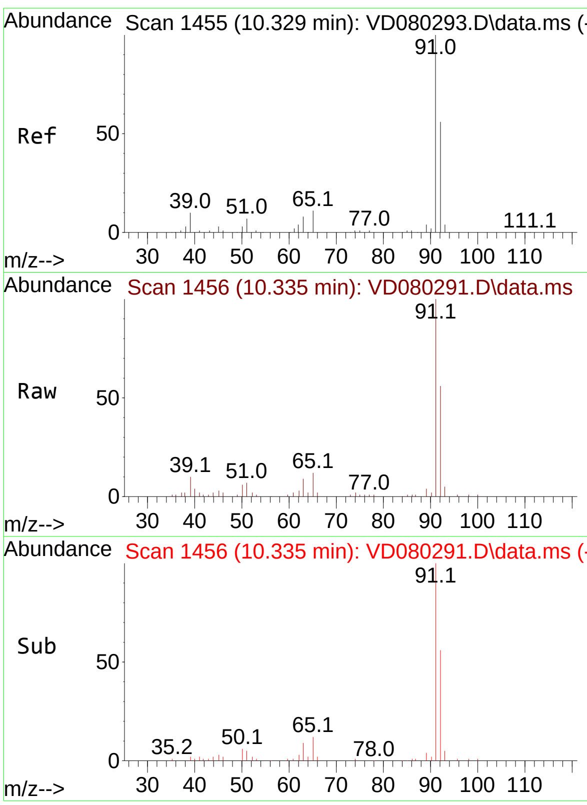



```
#51
4-Methyl-2-Pentanone
Concen:    41.690 ug/l
RT:  10.158 min   Scan# 14
Delta R.T.   -0.000 min
Lab File:    VD080291.D
Acq: 06 May 2025   13:55

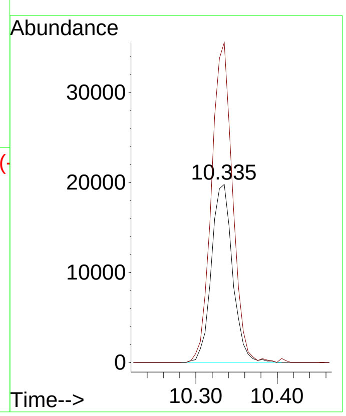
Tgt Ion: 43 Resp:    4236
Ion   Ratio   Lower   Upper
 43   100
 58    40.5    30.6    46.0
```

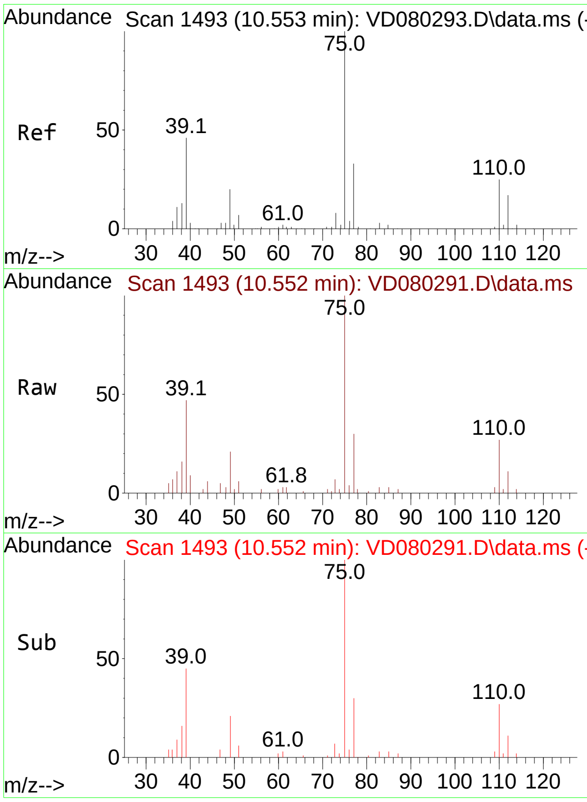





```
#52
Toluene
Concen:     9.126 ug/l
RT:  10.335 min   Scan# 1456
Delta R.T.   0.006 min
Lab File:    VD080291.D
Acq: 06 May 2025   13:55

Tgt Ion: 92 Resp:    35833
Ion   Ratio   Lower   Upper
 92   100
 91   178.1   143.4   215.2
```





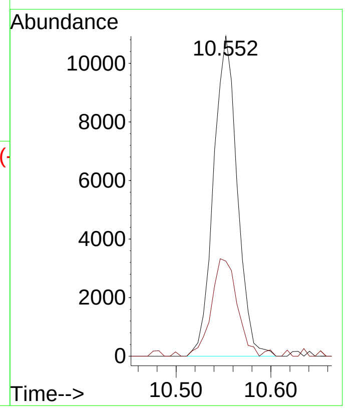
#53
t-1,3-Dichloropropene
Concen: 9.041 ug/l
RT: 10.552 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

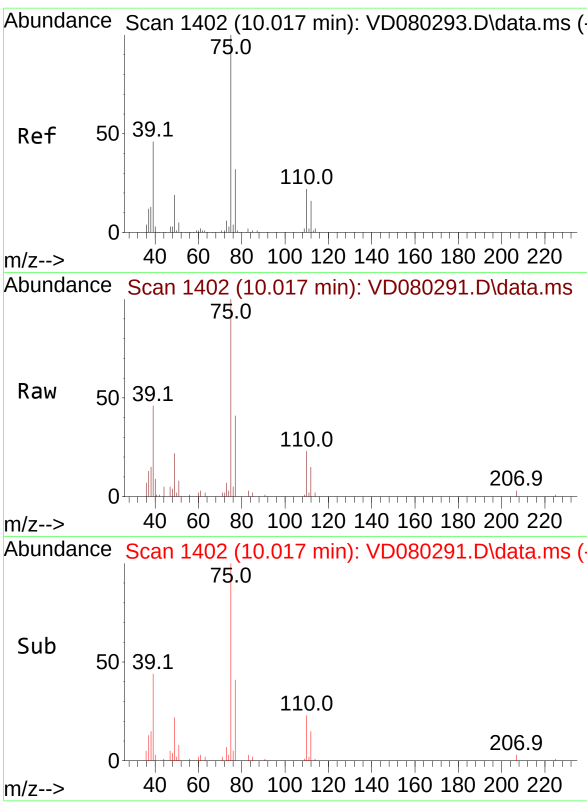
Tgt Ion: 75 Resp: 1904(

Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.0	39.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

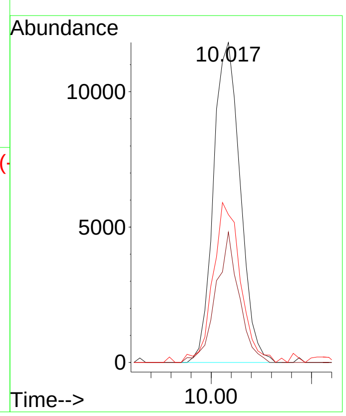




#54
cis-1,3-Dichloropropene
Concen: 8.980 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 75 Resp: 21913

Ion	Ratio	Lower	Upper
75	100		
77	40.7	25.8	38.6#
39	46.2	37.0	55.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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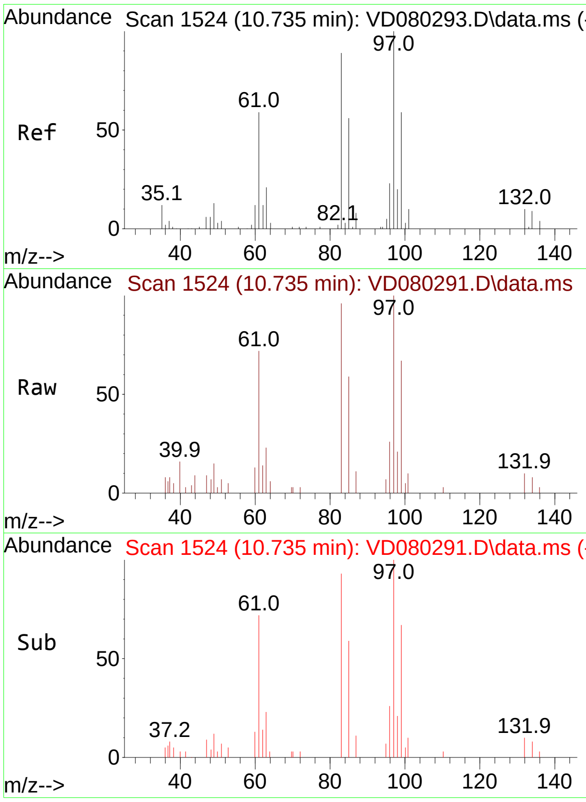
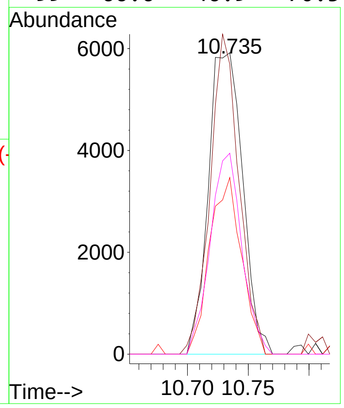
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

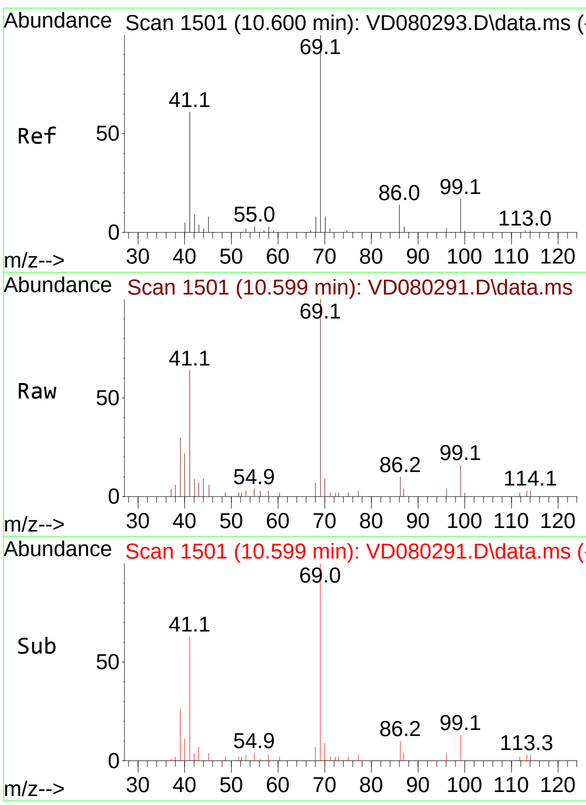


#55
1,1,2-Trichloroethane
Concen: 9.692 ug/l
RT: 10.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 97 Resp: 1166

Ion	Ratio	Lower	Upper
97	100		
83	96.2	71.0	106.4
85	58.6	44.9	67.3
99	66.6	46.9	70.3

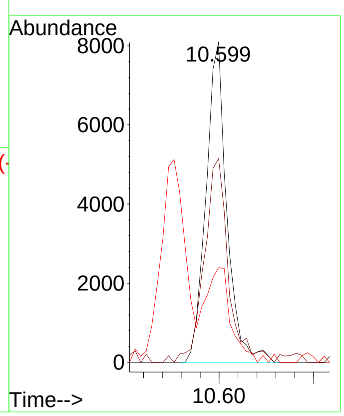




#56
Ethyl methacrylate
Concen: 8.546 ug/l
RT: 10.599 min Scan# 1501
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 69 Resp: 12467

Ion	Ratio	Lower	Upper
69	100		
41	73.5	53.2	79.8
39	35.9	28.2	42.2



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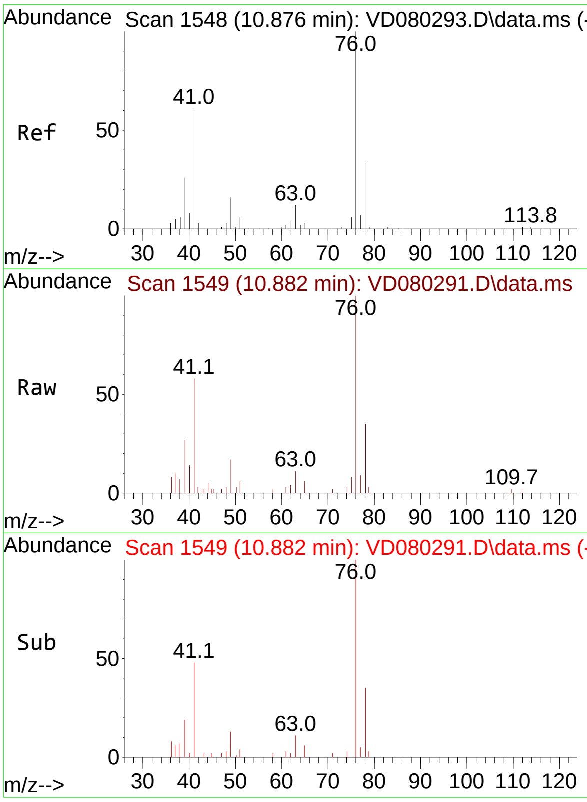

#57
1,3-Dichloropropane
Concen: 9.107 ug/l
RT: 10.882 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 76 Resp: 1822

Ion	Ratio	Lower	Upper
76	100		
78	34.8	27.2	40.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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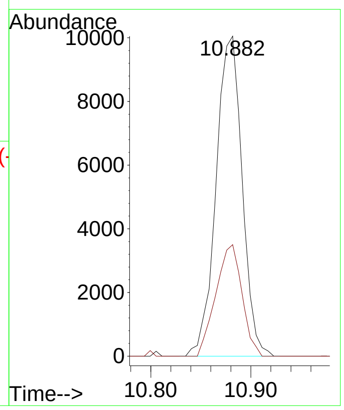
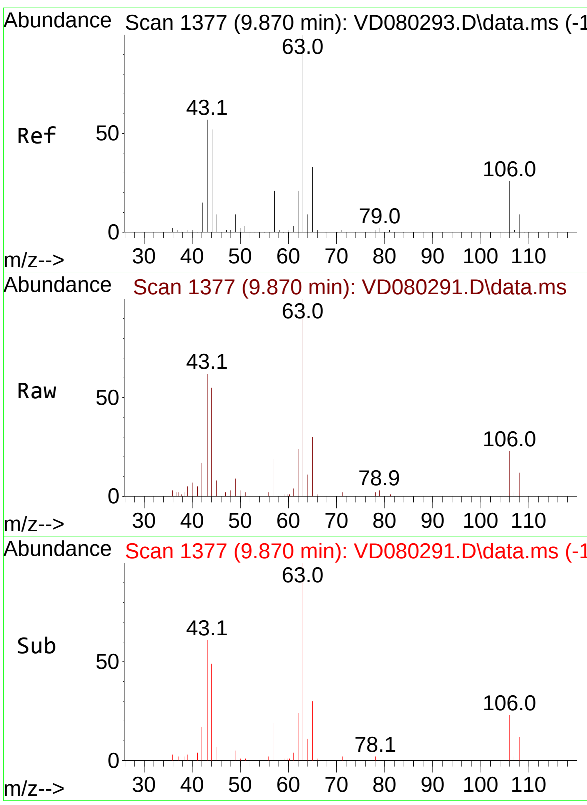
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

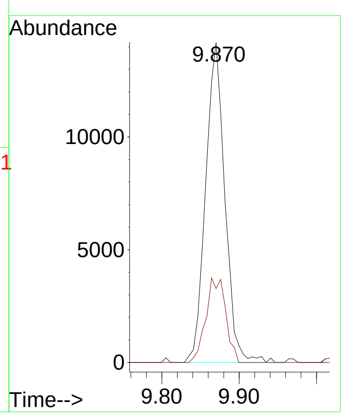




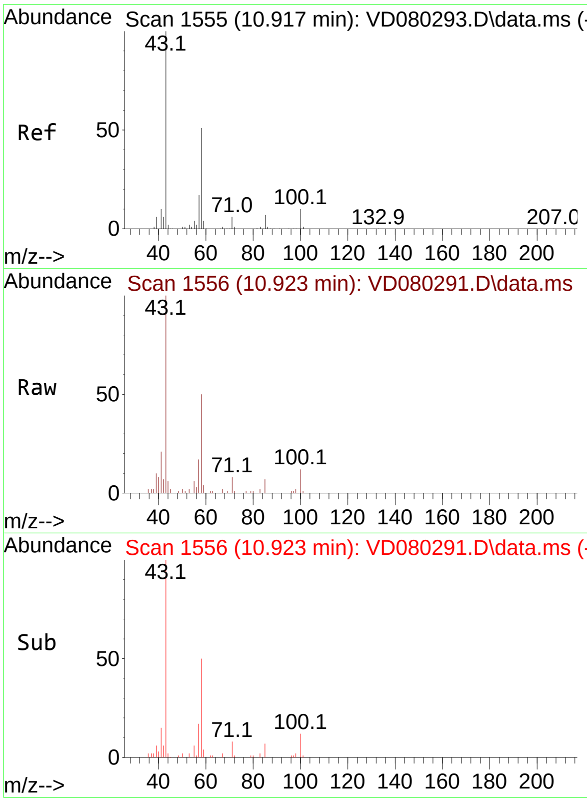
#58
2-Chloroethyl Vinyl ether
Concen: 41.152 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 63 Resp: 24567

Ion	Ratio	Lower	Upper
63	100		
106	27.2	20.8	31.2



ICAL Form



#59
2-Hexanone
Concen: 41.190 ug/l
RT: 10.923 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

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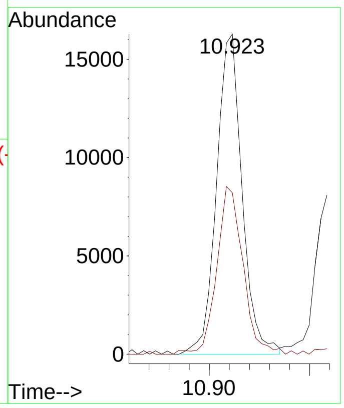
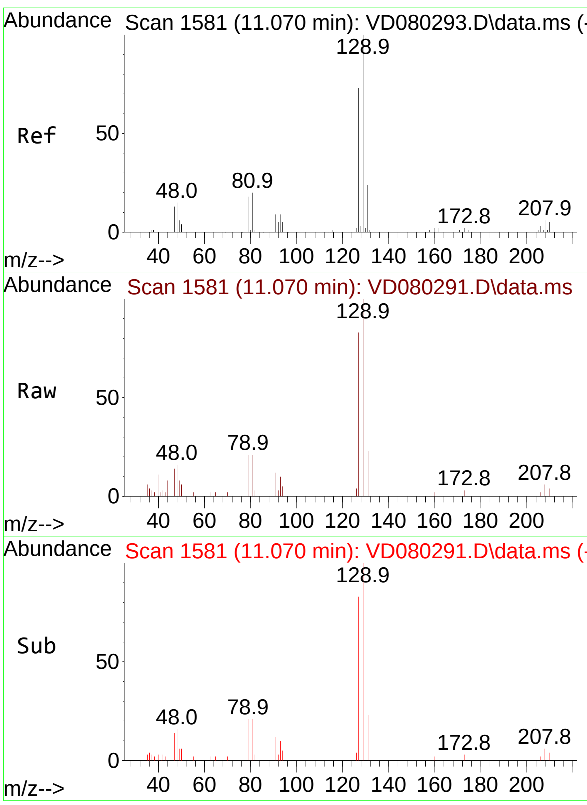
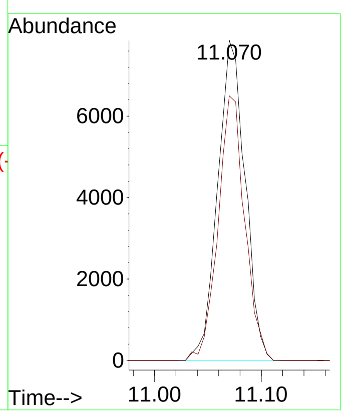
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

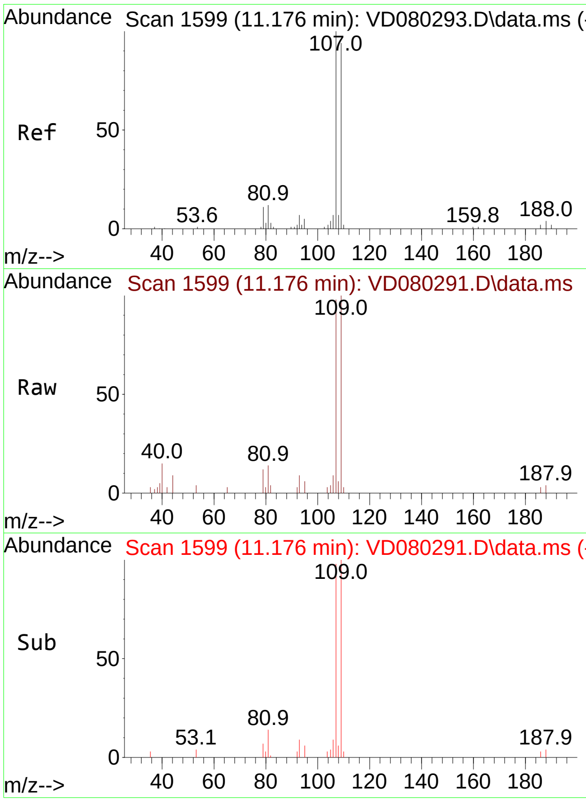




#60
Dibromochloromethane
Concen: 9.294 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:129 Resp: 14022
Ion Ratio Lower Upper
129 100
127 80.5 37.6 112.8





#61
1,2-Dibromoethane
Concen: 9.074 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 1012

Ion	Ratio	Lower	Upper
107	100		
109	98.5	74.8	112.2

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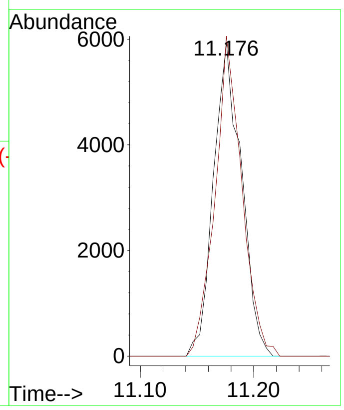
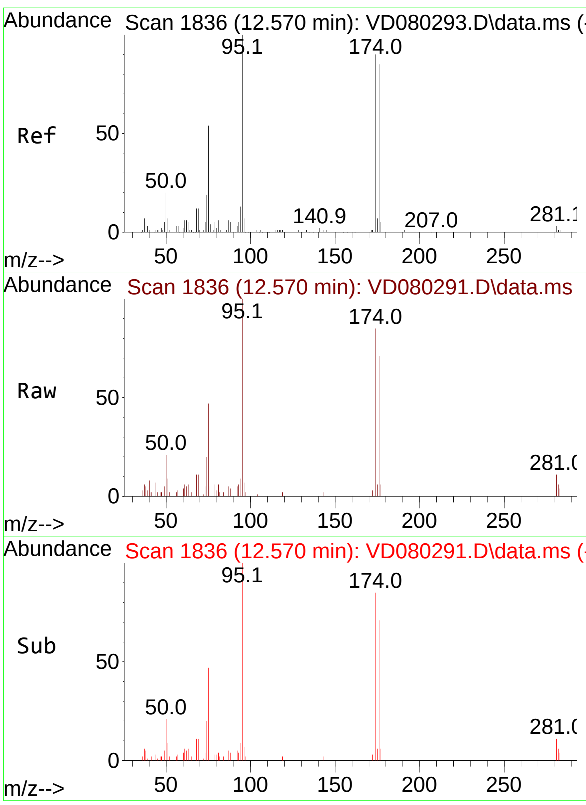
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

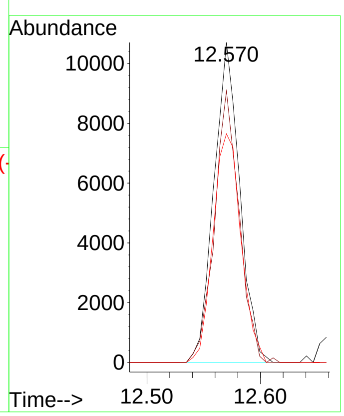


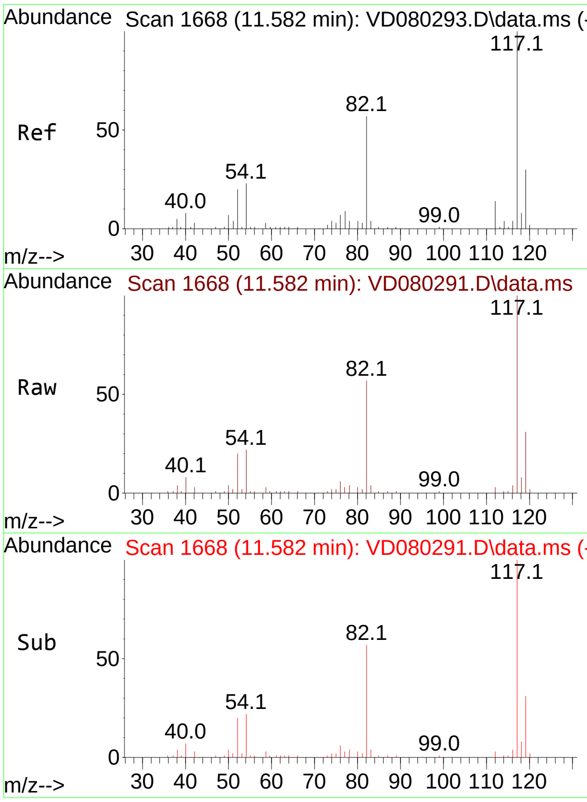


#62
4-Bromofluorobenzene
Concen: 9.654 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 95 Resp: 16992

Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	170.0
176	77.1	0.0	167.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 18857

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.5	68.3
119	31.0	24.0	36.0

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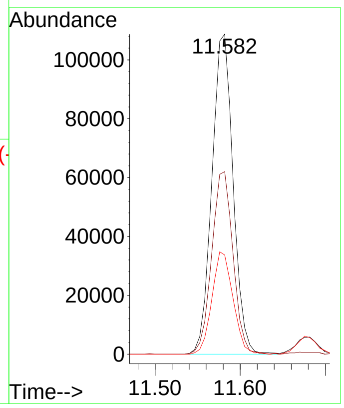
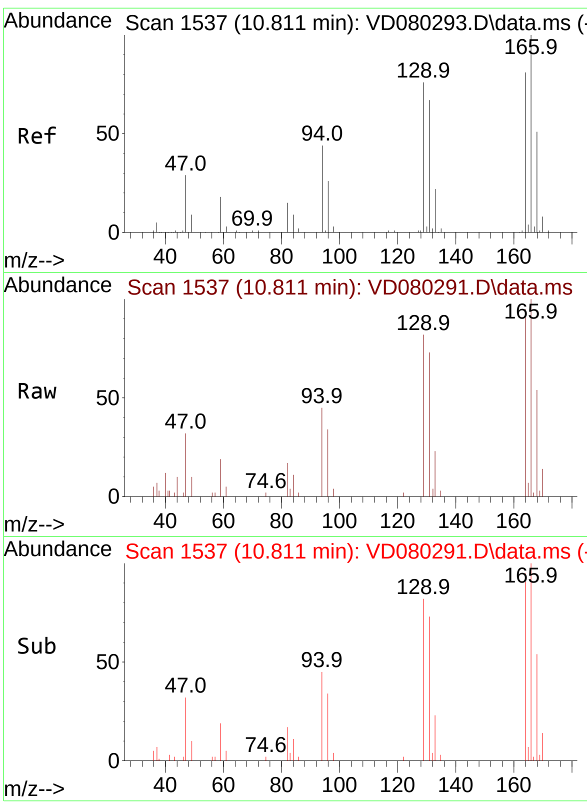
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

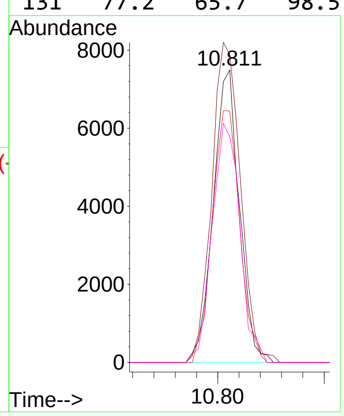


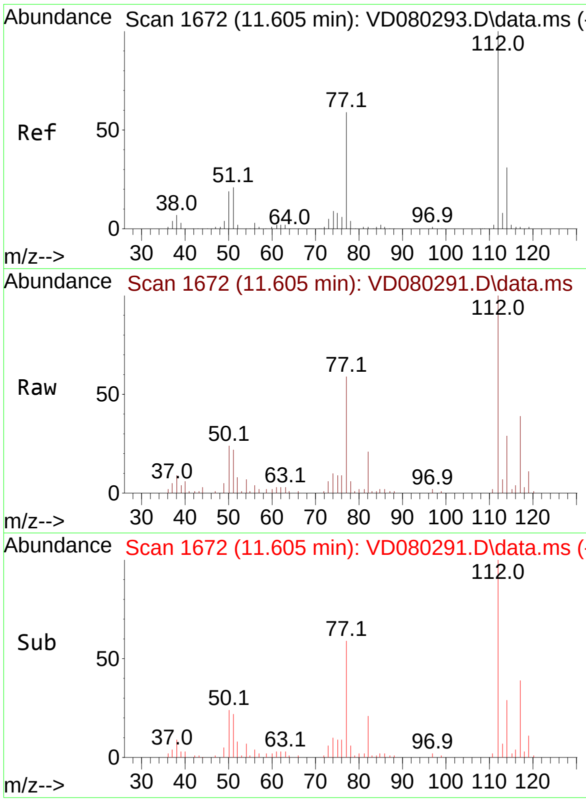


#64
Tetrachloroethene
Concen: 10.007 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:164 Resp: 12779

Ion	Ratio	Lower	Upper
164	100		
166	105.4	98.2	147.2
129	86.0	74.6	111.8
131	77.2	65.7	98.5





#65
Chlorobenzene
Concen: 9.508 ug/l
RT: 11.605 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 4048

Ion	Ratio	Lower	Upper
112	100		
114	29.3	24.4	36.6

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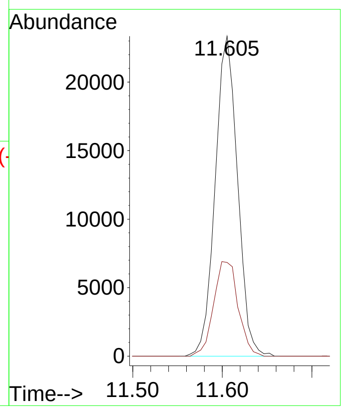
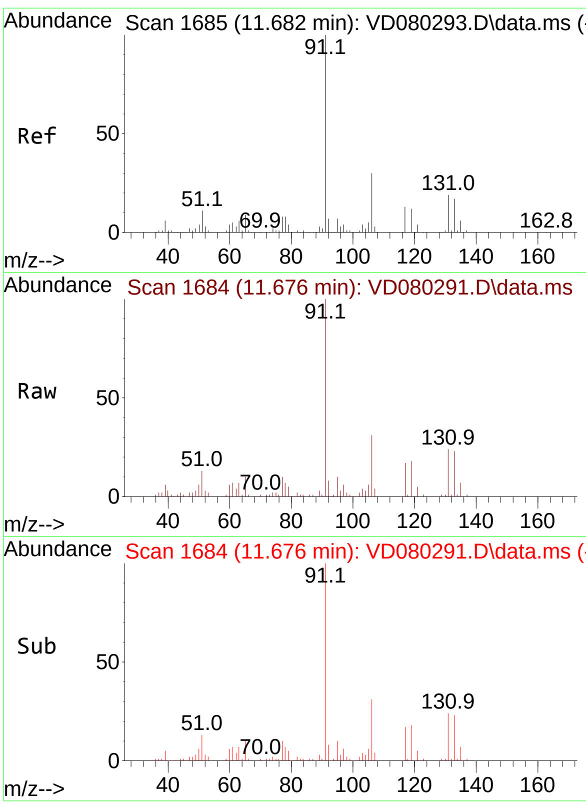
Supervised By :Semsettin Yesilyurt 05/07/2025

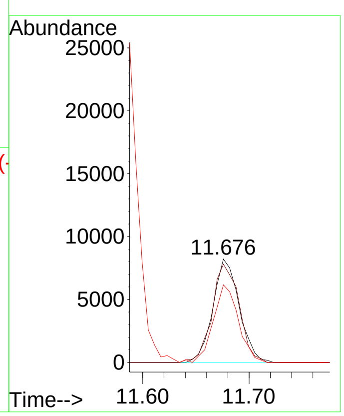




#66
1,1,1,2-Tetrachloroethane
Concen: 9.673 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:131 Resp: 14151

Ion	Ratio	Lower	Upper
131	100		
133	97.7	46.8	140.3
119	71.7	33.1	99.2



Instrument : MSVOA_D
ClientSampleId : VSTDICC010

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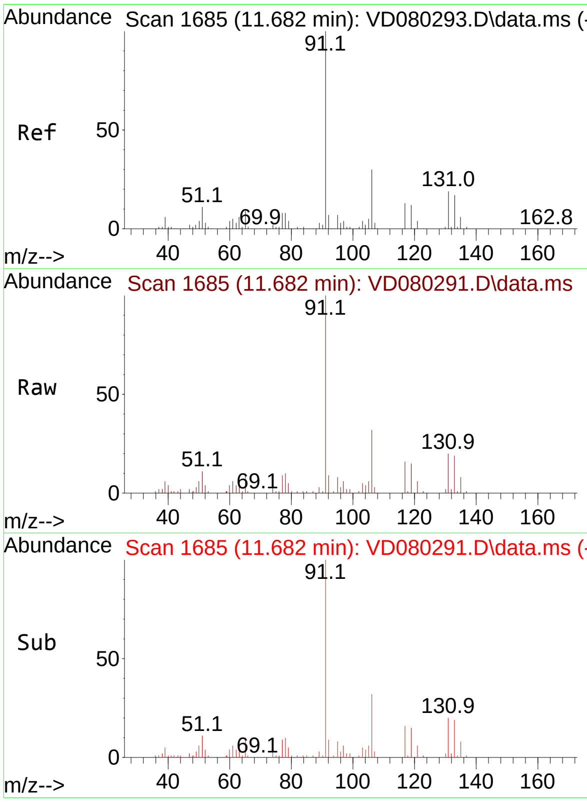
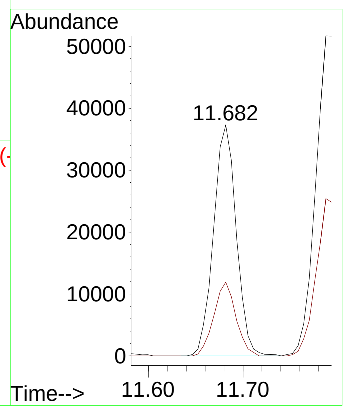
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

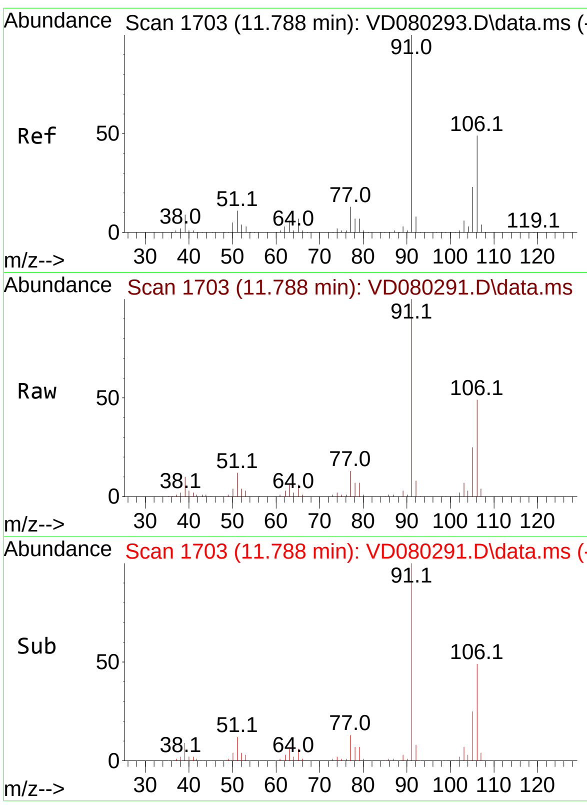


#67
Ethyl Benzene
Concen: 8.730 ug/l
RT: 11.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 91 Resp: 6211

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.9	35.9

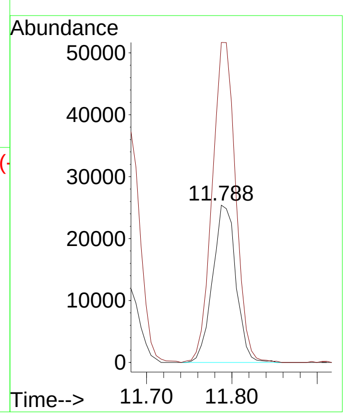




#68
m/p-Xylenes
Concen: 17.460 ug/l
RT: 11.788 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:106 Resp: 48239

Ion	Ratio	Lower	Upper
106	100		
91	204.4	164.1	246.1



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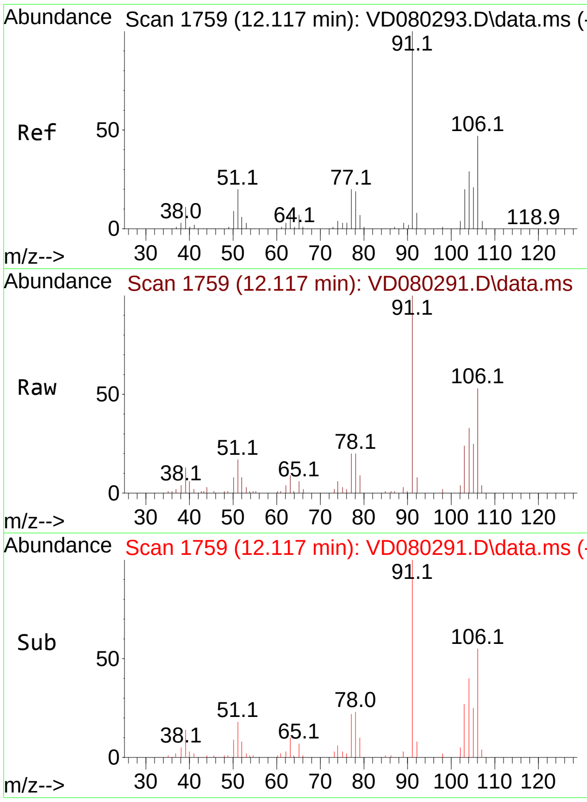

#69
o-Xylene
Concen: 8.958 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 2261

Ion	Ratio	Lower	Upper
106	100		
91	206.6	109.3	328.1

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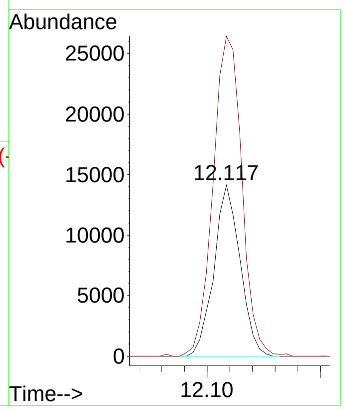
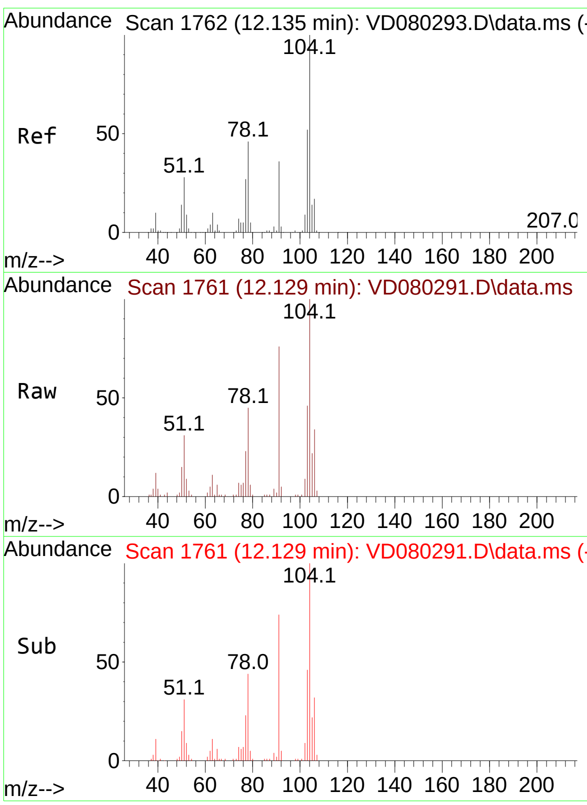
Supervised By :Semsettin Yesilyurt 05/07/2025

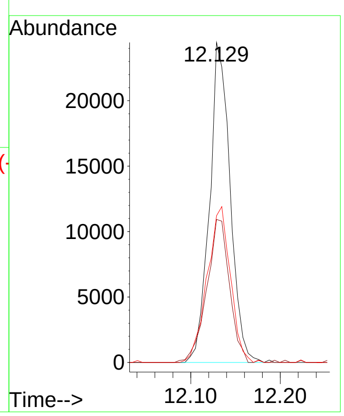




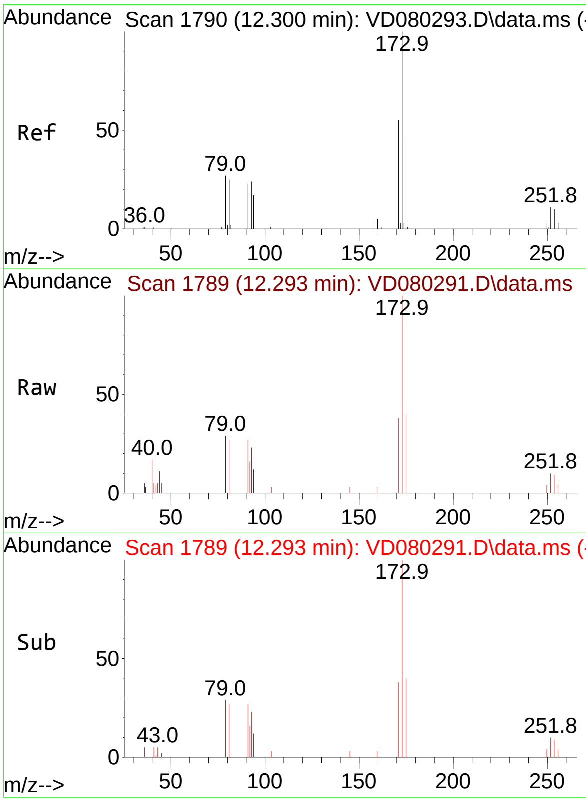
#70
Styrene
Concen: 8.642 ug/l
RT: 12.129 min Scan# 1761
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:104 Resp: 39179

Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.8	59.6
103	54.8	44.2	66.4



ICAL Form



#71
Bromoform
Concen: 9.820 ug/l
RT: 12.293 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 853

Ion	Ratio	Lower	Upper
173	100		
175	44.8	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations
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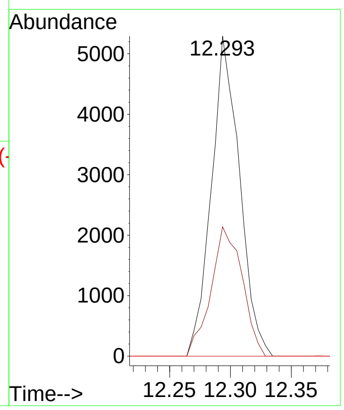
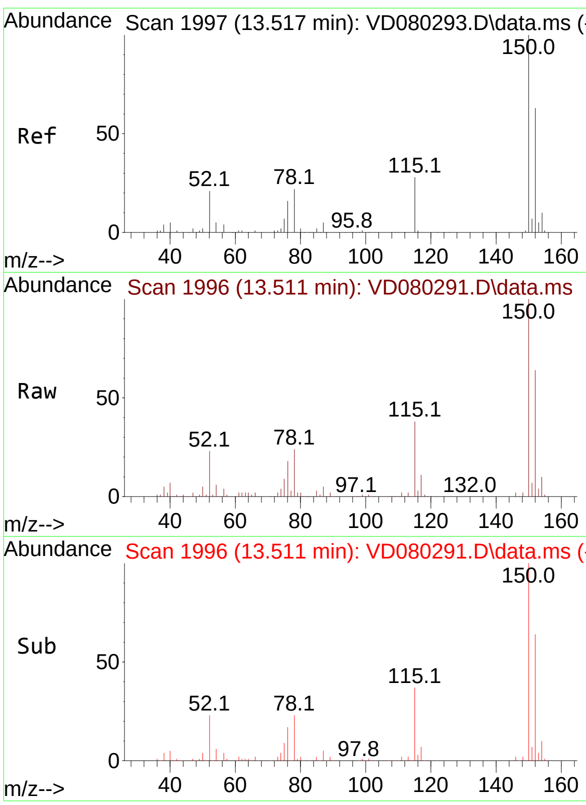
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

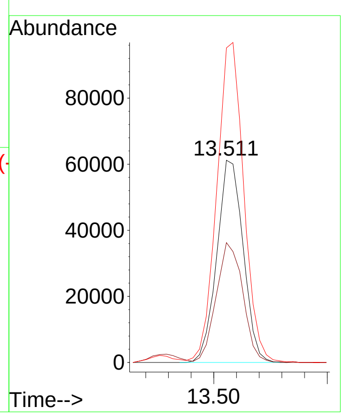




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.511 min Scan# 1996
Delta R.T. -0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:152 Resp: 98783

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.0	87.1
150	162.3	0.0	354.6



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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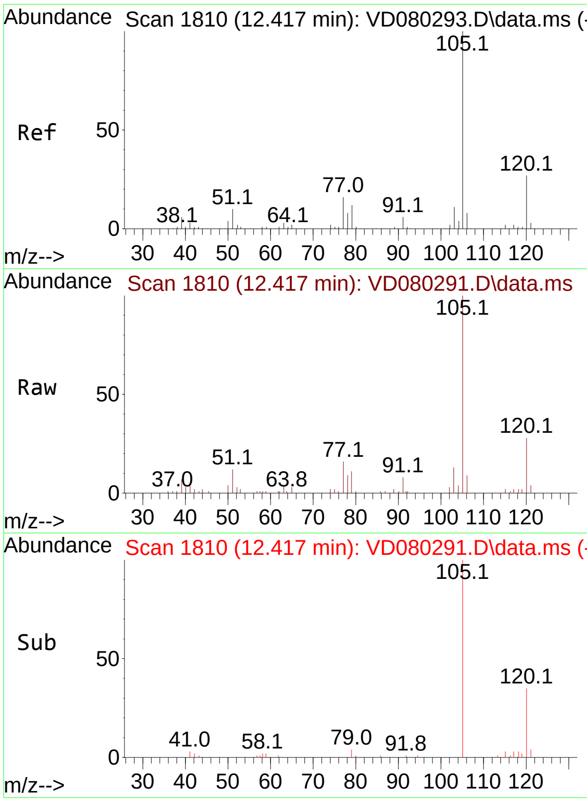
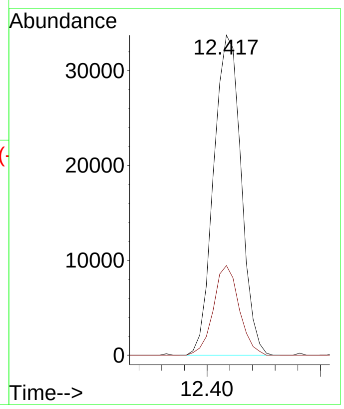
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

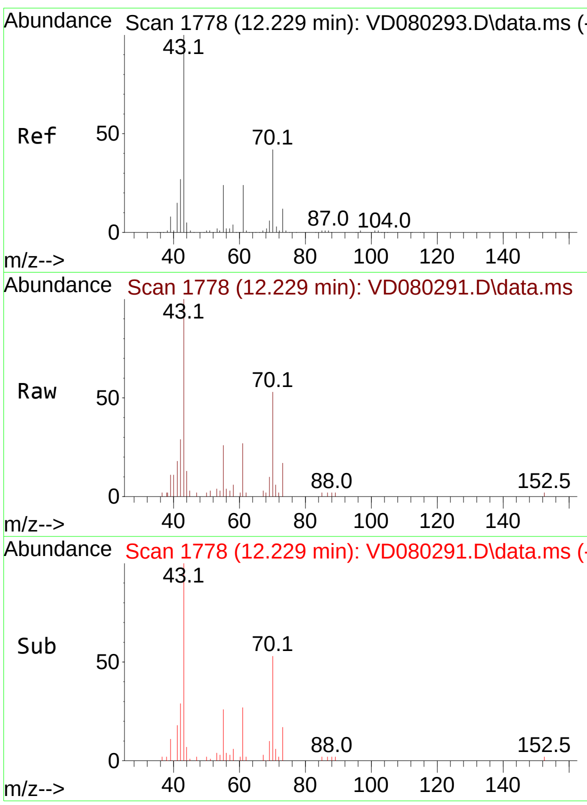


#73
Isopropylbenzene
Concen: 8.846 ug/l
RT: 12.417 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:105 Resp: 5668

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.1

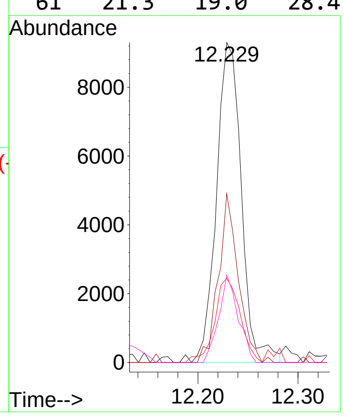




#74
N-amyl acetate
Concen: 8.772 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 43 Resp: 16132

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.8	50.8
55	26.7	20.8	31.2
61	21.3	19.0	28.4



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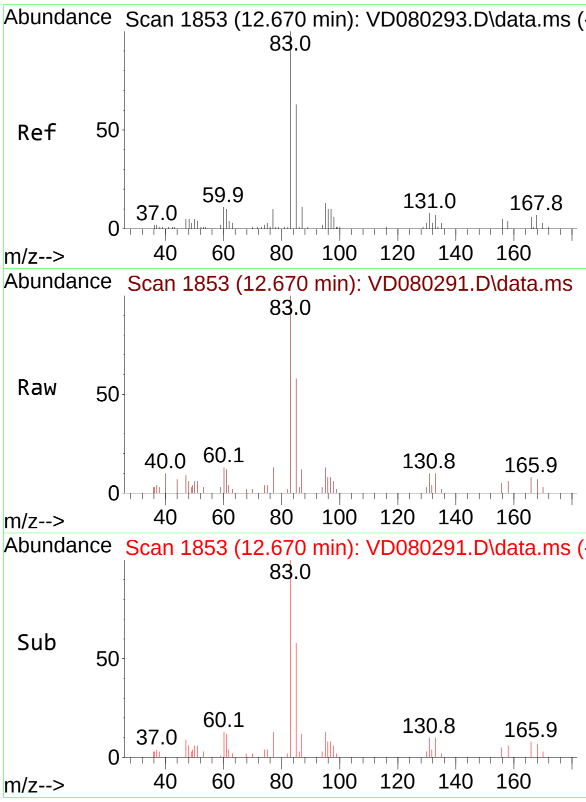


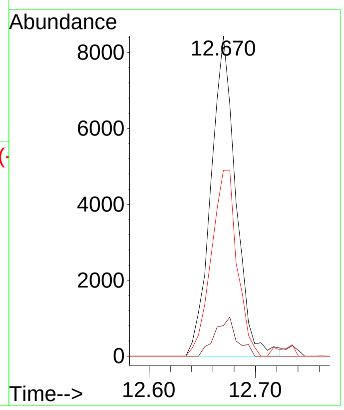

```
#75
1,1,2,2-Tetrachloroethane
Concen:    9.747 ug/l
RT:  12.670 min  Scan# 1
Delta R.T.  -0.000 min
Lab File:   VD080291.D
Acq: 06 May 2025  13:55

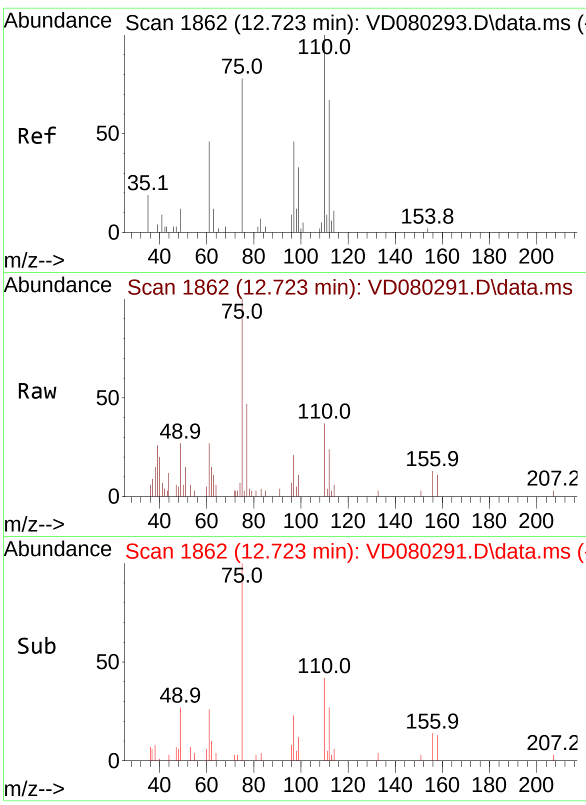
Tgt Ion: 83 Resp:   1373
Ion  Ratio  Lower  Upper
 83  100
131   10.7    5.2   15.6
 85   59.9   32.6   98.0
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

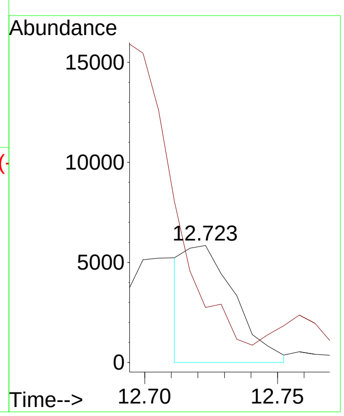
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

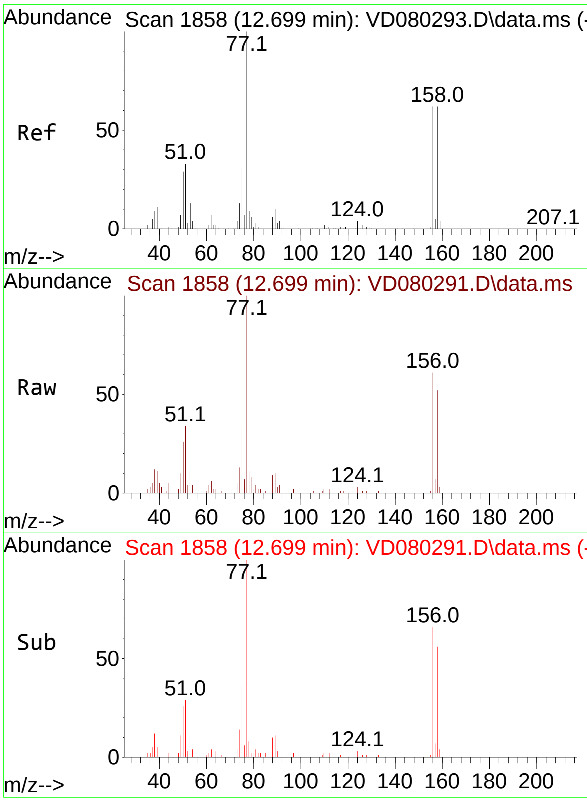





```
#76
1,2,3-Trichloropropane
Concen:    7.368 ug/l m
RT:  12.723 min  Scan# 1862
Delta R.T.  -0.000 min
Lab File:   VD080291.D
Acq: 06 May 2025  13:55

Tgt Ion: 75 Resp:    7722
Ion  Ratio  Lower  Upper
 75  100
 77    0.0    0.0    0.0
```





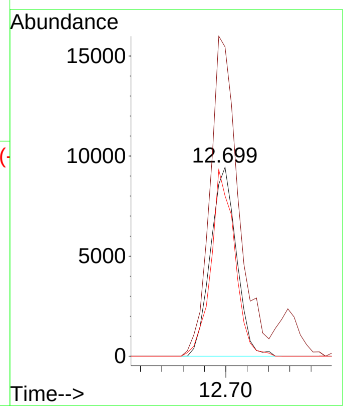
#77
Bromobenzene
Concen: 9.601 ug/l
RT: 12.699 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

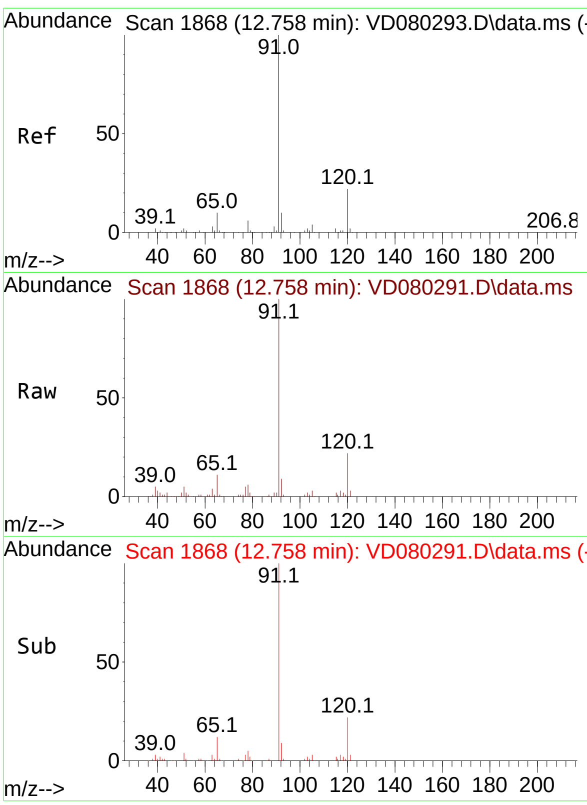
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion:156 Resp: 1595

Ion	Ratio	Lower	Upper
156	100		
77	185.5	91.6	274.8
158	90.8	47.4	142.2

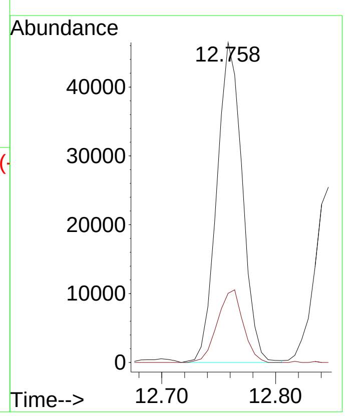




#78
n-propylbenzene
Concen: 9.008 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 91 Resp: 72436

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/07/2025
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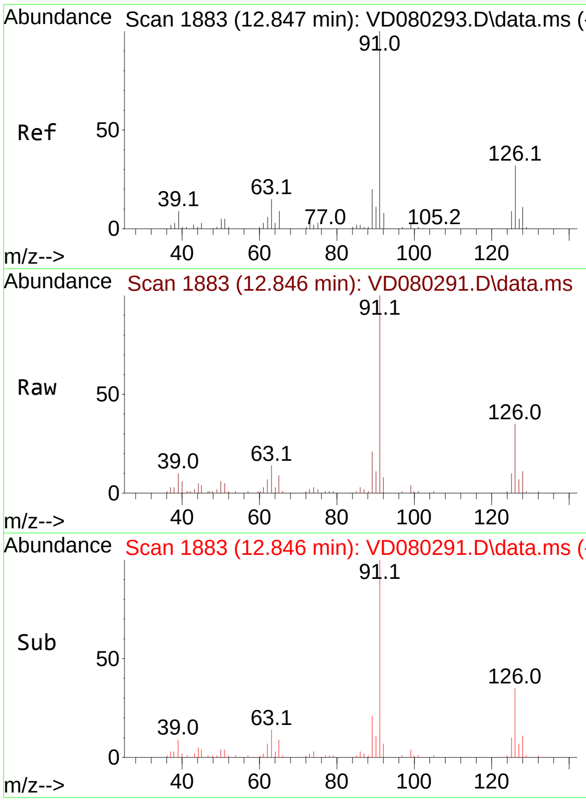
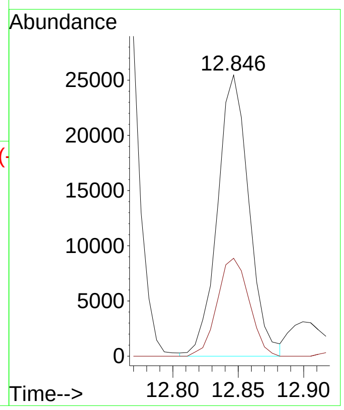
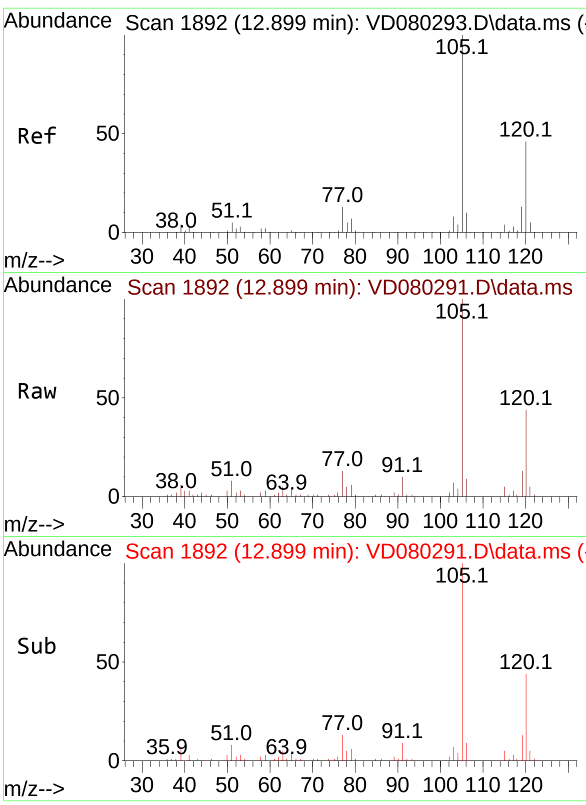


#79
2-Chlorotoluene
Concen: 9.120 ug/l
RT: 12.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 91 Resp: 4265

Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.4	49.2

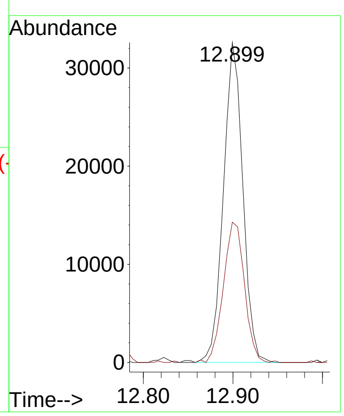




#80
1,3,5-Trimethylbenzene
Concen: 8.980 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:105 Resp: 49080

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.8



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
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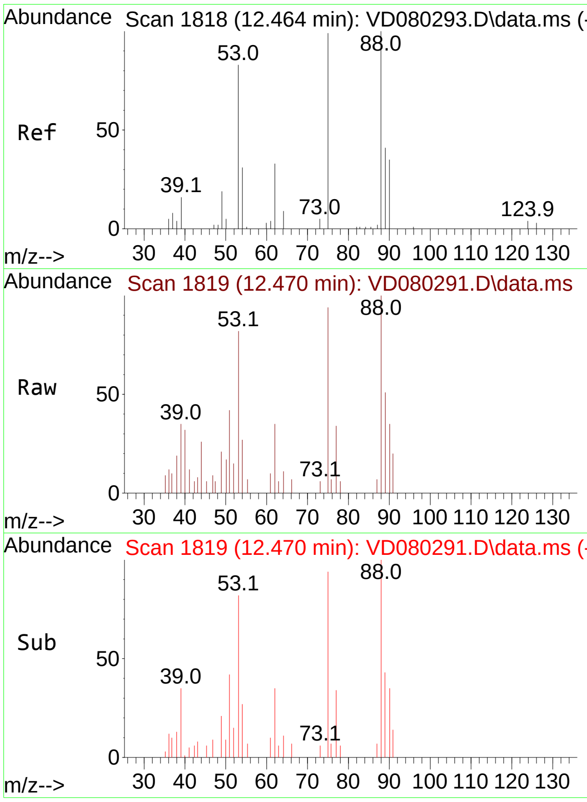
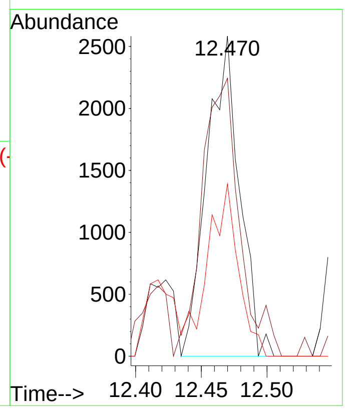
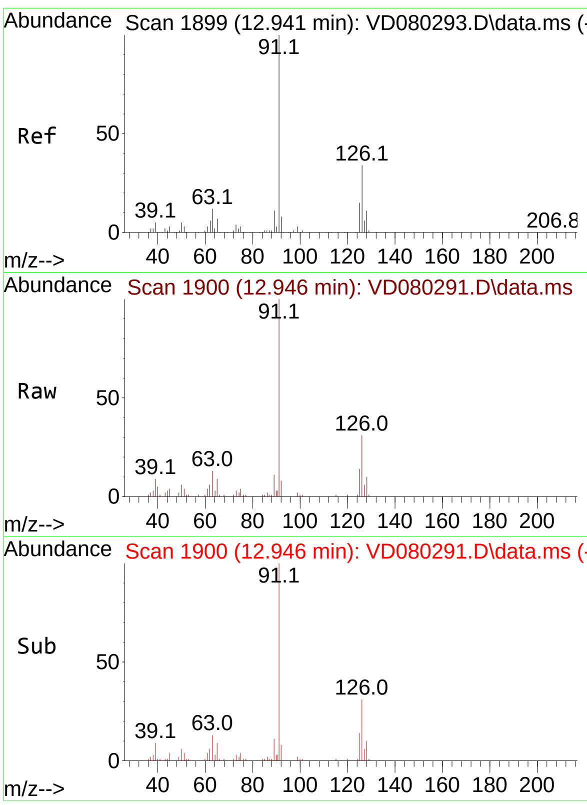


#81
trans-1,4-Dichloro-2-butene
Concen: 8.876 ug/l
RT: 12.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 75 Resp: 445

Ion	Ratio	Lower	Upper
75	100		
53	99.6	70.8	106.2
89	45.9	35.9	53.9

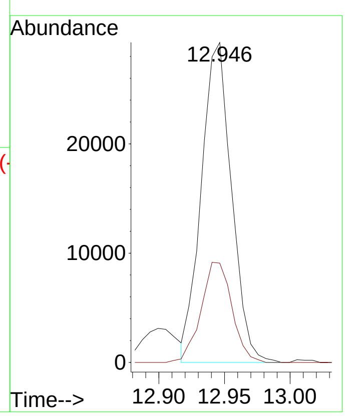


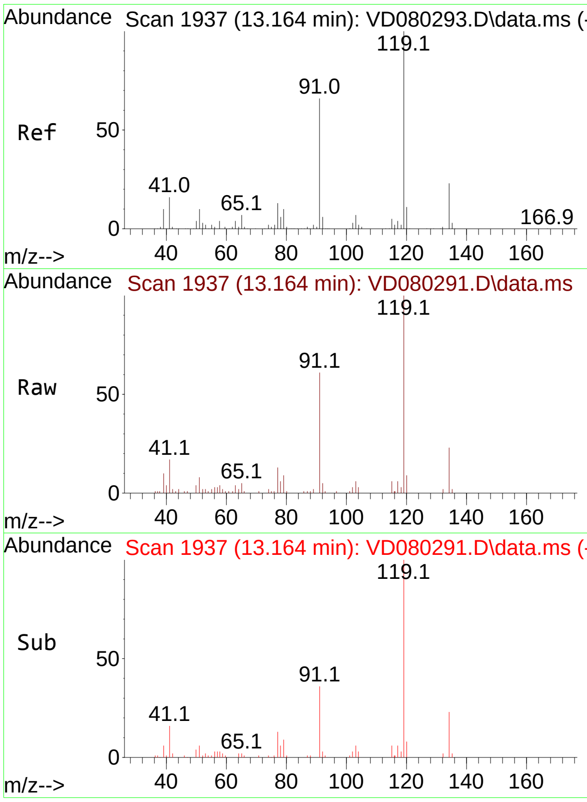


#82
4-Chlorotoluene
Concen: 9.305 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 91 Resp: 46981

Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.1	51.3





#83
tert-Butylbenzene
Concen: 8.933 ug/l
RT: 13.164 min Scan# 19
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

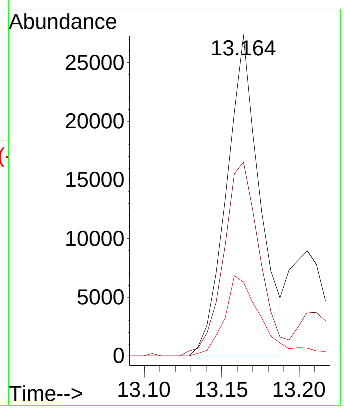
Tgt Ion:119 Resp: 4074

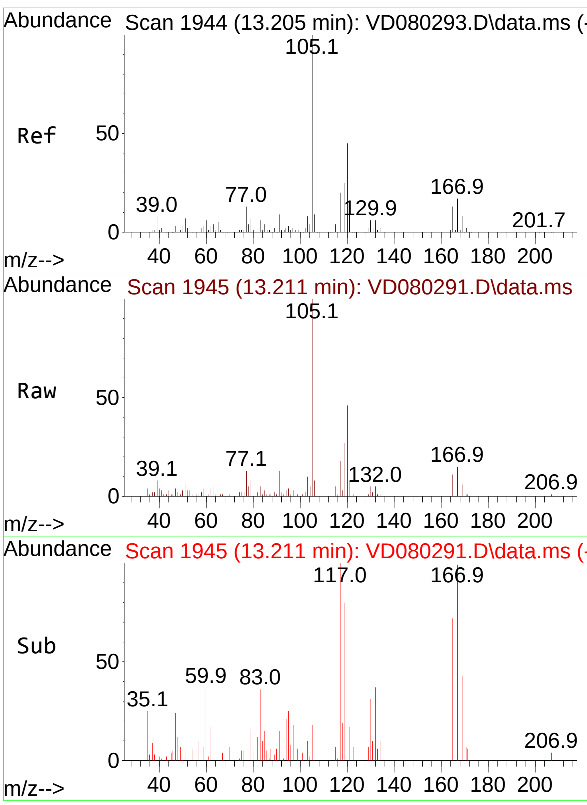
Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.3	99.8
134	28.1	13.3	39.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

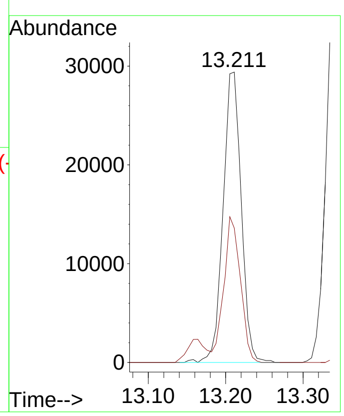




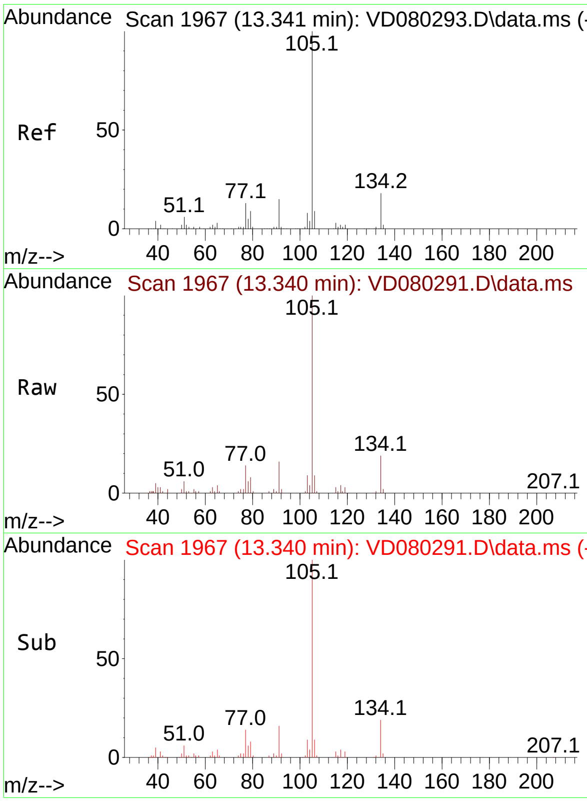
#84
1,2,4-Trimethylbenzene
Concen: 8.575 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:105 Resp: 47952

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.8



ICAL Form



#85
sec-Butylbenzene
Concen: 8.883 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:105 Resp: 6247

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.6	28.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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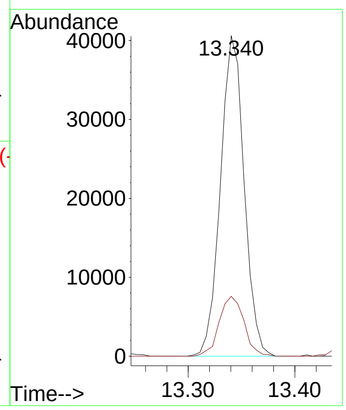
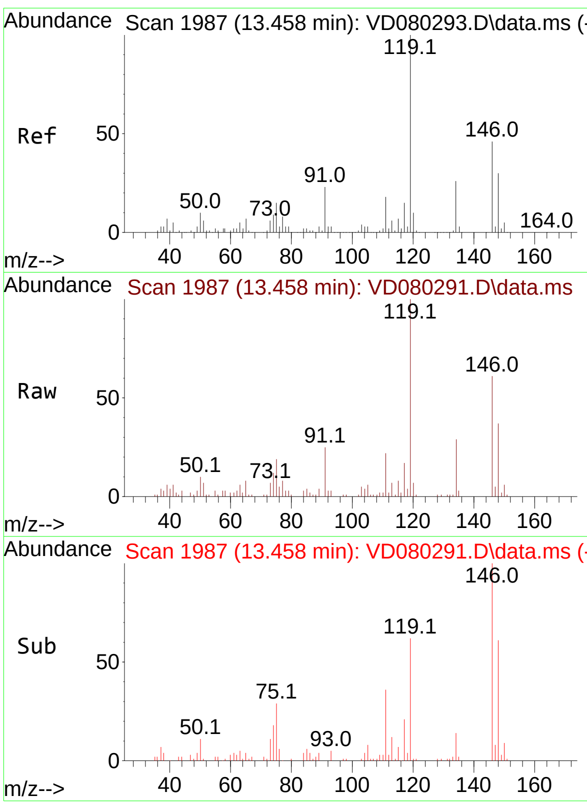
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

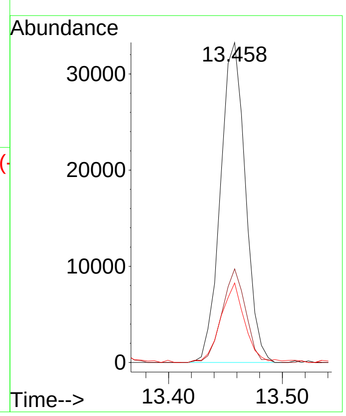




#86
p-Isopropyltoluene
Concen: 8.586 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:119 Resp: 50754

Ion	Ratio	Lower	Upper
119	100		
134	27.6	12.8	38.4
91	24.4	11.7	35.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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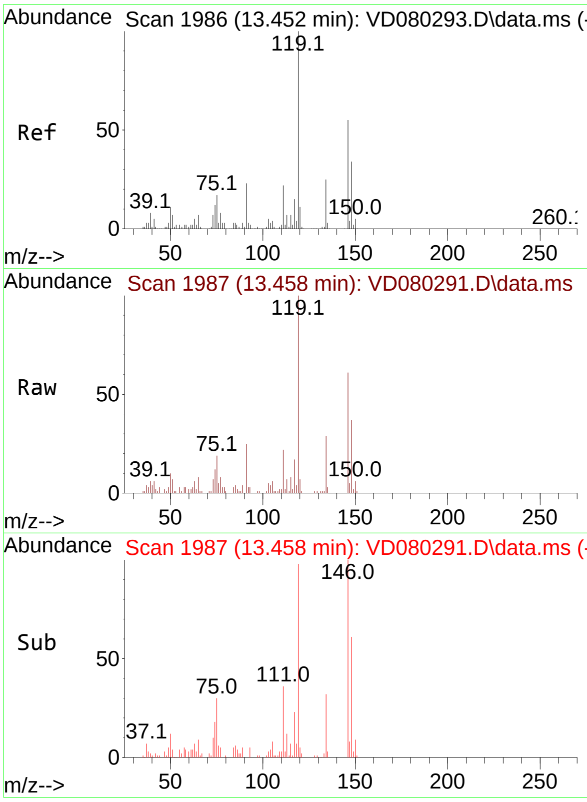
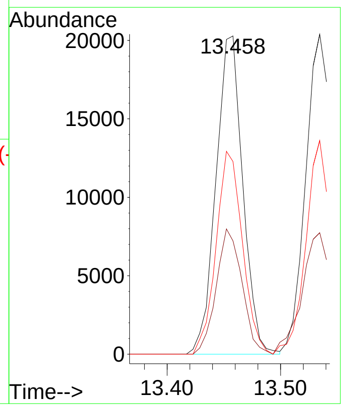
Supervised By :Semsettin Yesilyurt 05/07/2025

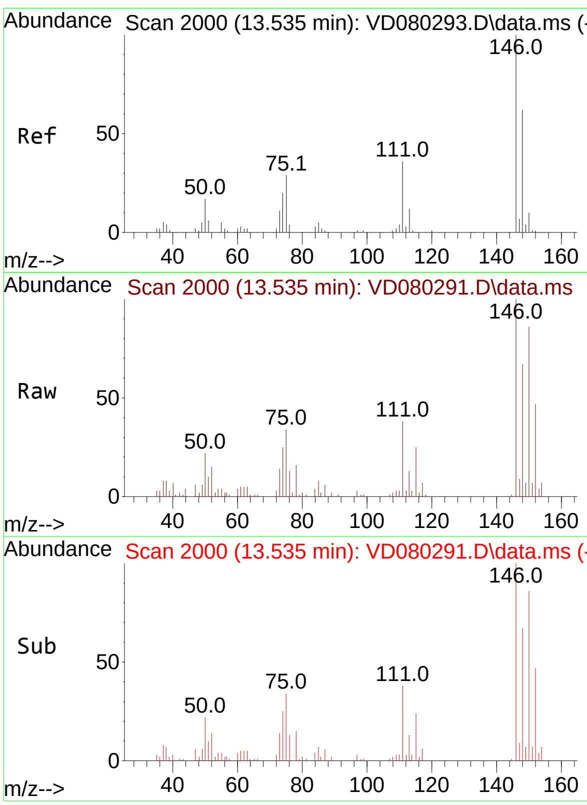


#87
1,3-Dichlorobenzene
Concen: 9.644 ug/l
RT: 13.458 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:146 Resp: 33429

Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.9	59.6
148	62.8	31.9	95.9

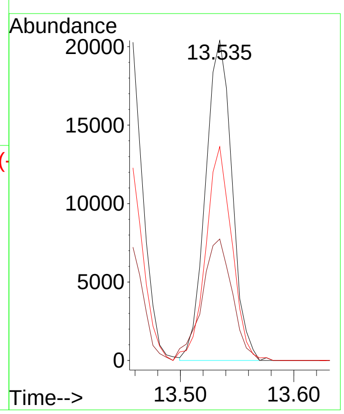




#88
1,4-Dichlorobenzene
Concen: 9.535 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:146 Resp: 33320

Ion	Ratio	Lower	Upper
146	100		
111	43.3	18.9	56.5
148	65.7	31.4	94.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
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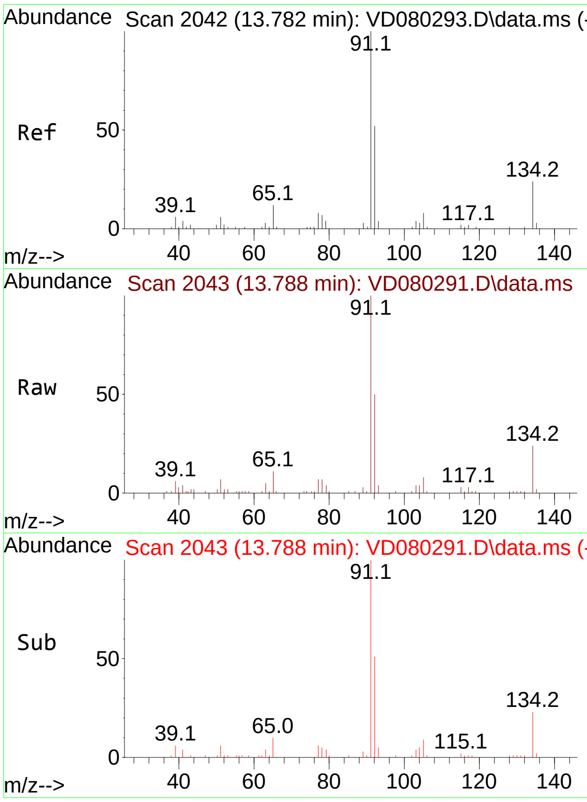
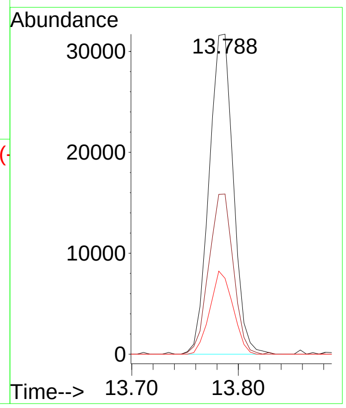
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

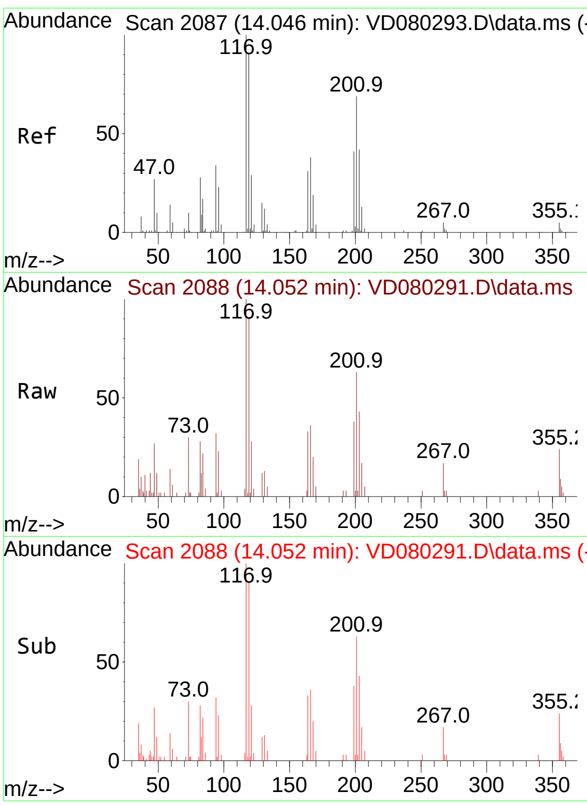


#89
n-Butylbenzene
Concen: 8.718 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 91 Resp: 5002

Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.1	78.2
134	24.7	12.0	36.1

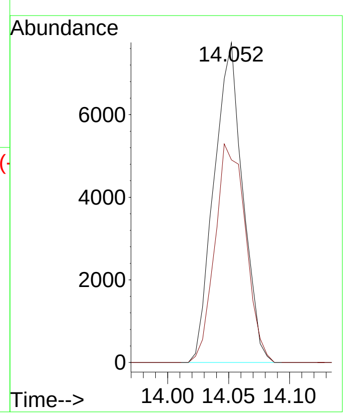


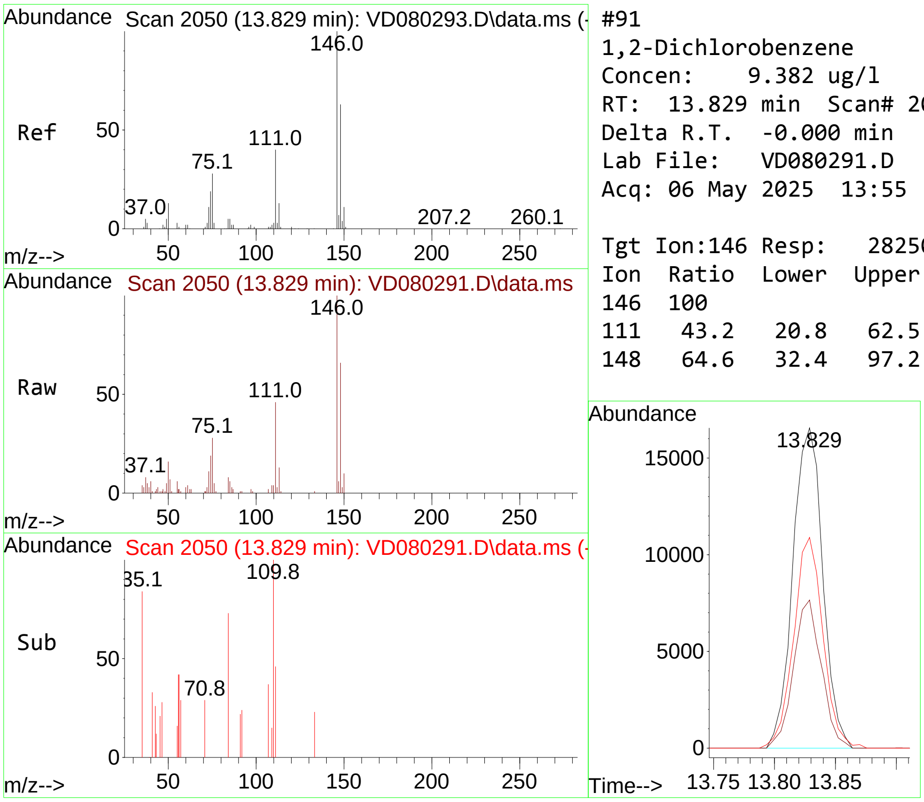


#90
Hexachloroethane
Concen: 9.697 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:117 Resp: 12682

Ion	Ratio	Lower	Upper
117	100		
201	73.1	36.9	110.6





#91
1,2-Dichlorobenzene
Concen: 9.382 ug/l
RT: 13.829 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:146 Resp: 28250

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.5
148	64.6	32.4	97.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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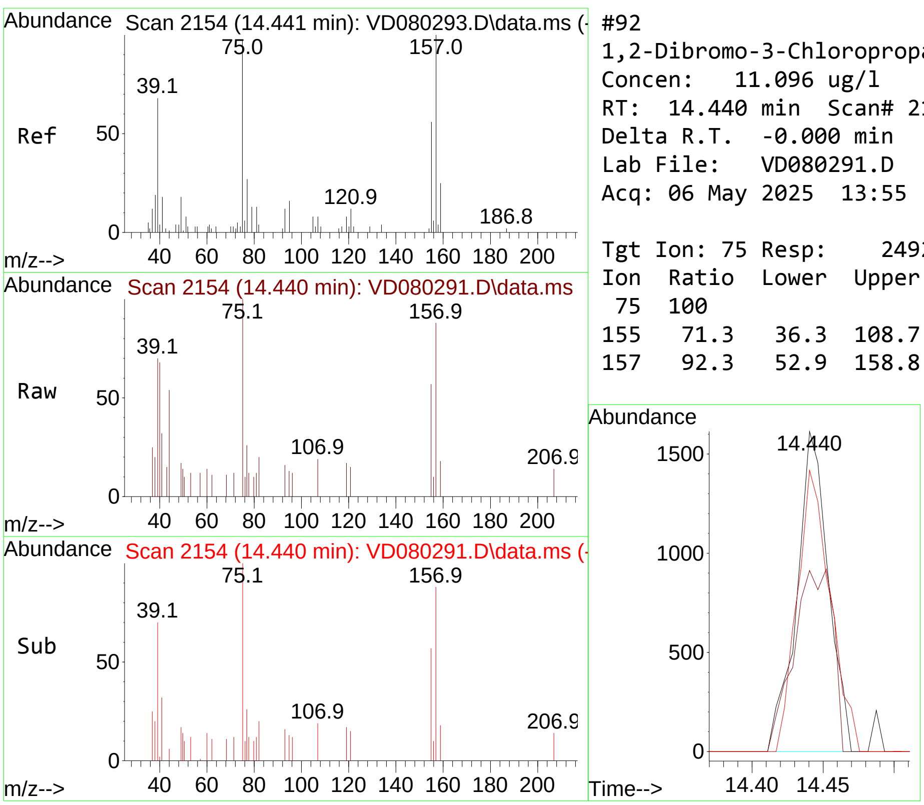
Supervised By :Semsettin Yesilyurt 05/07/2025

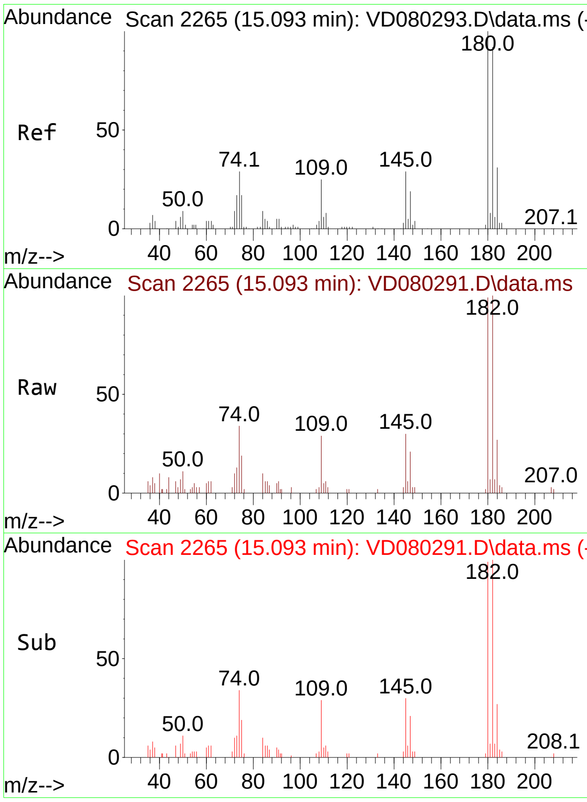


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.096 ug/l
RT: 14.440 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion: 75 Resp: 2492

Ion	Ratio	Lower	Upper
75	100		
155	71.3	36.3	108.7
157	92.3	52.9	158.8

ICAL Form



#93
1,2,4-Trichlorobenzene
Concen: 8.629 ug/l
RT: 15.093 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 1634

Ion	Ratio	Lower	Upper
180	100		
182	97.7	46.7	140.1
145	30.3	14.9	44.5

Manual Integrations
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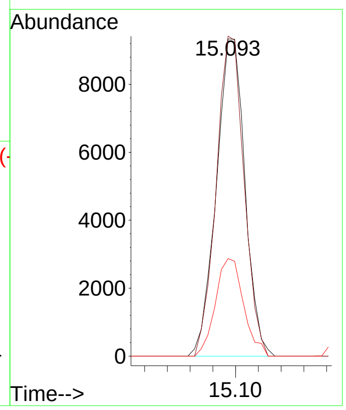
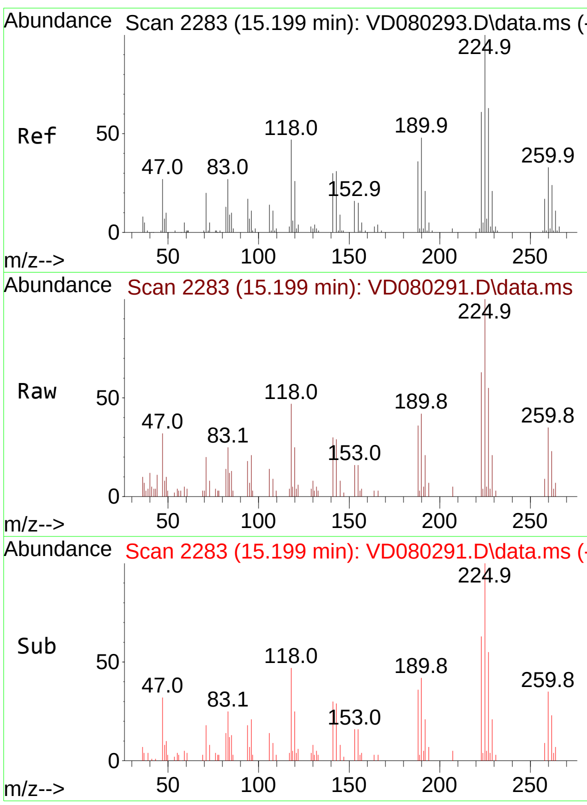
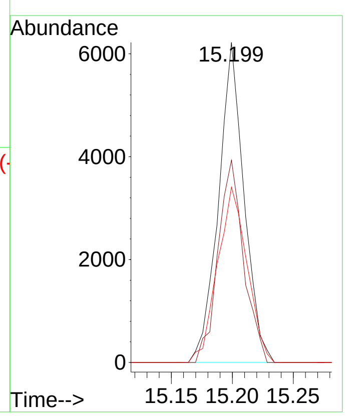


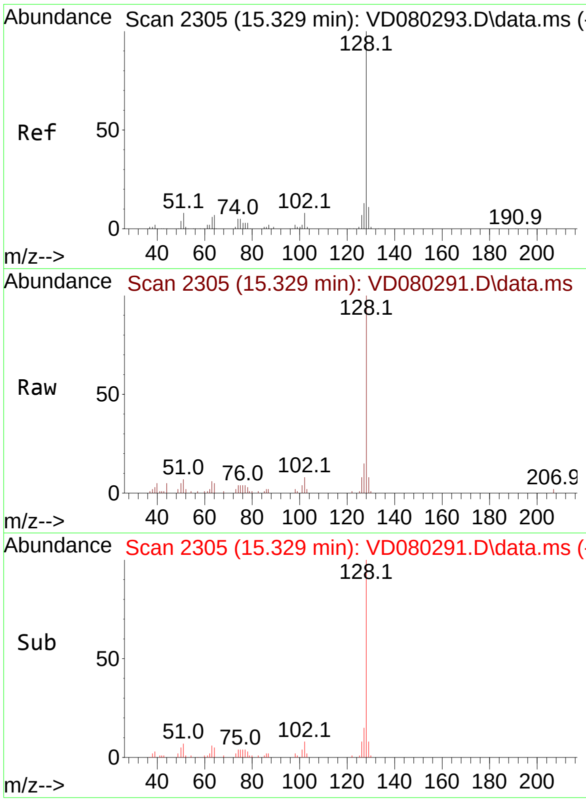


#94
Hexachlorobutadiene
Concen: 9.229 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:225 Resp: 9092

Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.3	90.8
227	63.3	32.0	96.2





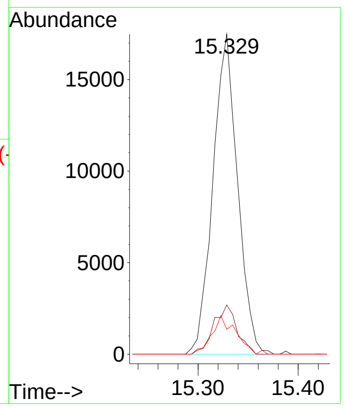
#95
Naphthalene
Concen: 8.394 ug/l
RT: 15.329 min Scan# 2305
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

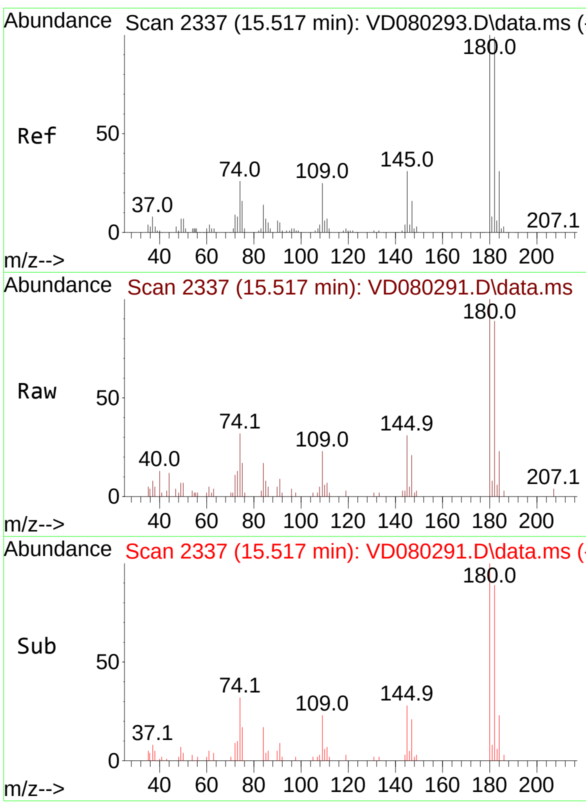
Tgt Ion:128 Resp: 29840

Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.2	15.4#
129	7.8	8.7	13.1#

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

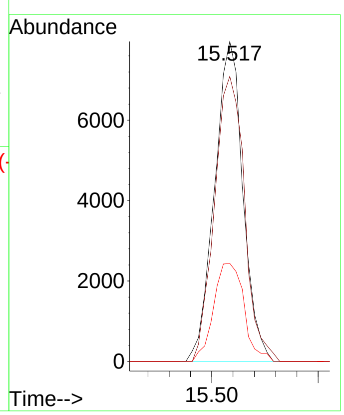




#96
1,2,3-Trichlorobenzene
Concen: 8.748 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD080291.D
Acq: 06 May 2025 13:55

Tgt Ion:180 Resp: 14816

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	32.6	15.6	46.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080292.D
Acq On : 06 May 2025 14:23
Operator : RP/MD
Sample : VSTDICC020
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 03:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	119859	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	198604	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.576	117	187152	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	100734	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.229	65	30976	19.985 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.960%#	
35) Dibromofluoromethane	7.811	113	27010	20.291 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.580%#	
50) Toluene-d8	10.264	98	103213	19.679 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.360%#	
62) 4-Bromofluorobenzene	12.570	95	32858	19.519 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.040%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.935	85	31074	26.726 ug/l	100
3) Chloromethane	2.153	50	53899	23.567 ug/l	96
4) Vinyl Chloride	2.276	62	67022	21.509 ug/l	97
5) Bromomethane	2.676	94	50204	22.383 ug/l	99
6) Chloroethane	2.823	64	48168	21.863 ug/l	99
7) Trichlorofluoromethane	3.159	101	50429	21.106 ug/l	99
8) Diethyl Ether	3.594	74	15072	20.436 ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.959	101	30436	20.675 ug/l	99
10) Methyl Iodide	4.159	142	29259	19.498 ug/l	94
11) Tert butyl alcohol	5.053	59	9066	96.391 ug/l #	67
12) 1,1-Dichloroethene	3.935	96	29724	20.481 ug/l	93
13) Acrolein	3.794	56	16642	100.564 ug/l	97
14) Allyl chloride	4.565	41	44799	19.627 ug/l	98
15) Acrylonitrile	5.259	53	35895	101.234 ug/l	98
16) Acetone	4.023	43	26343	100.367 ug/l #	88
17) Carbon Disulfide	4.265	76	106148	21.062 ug/l	96
18) Methyl Acetate	4.570	43	19220	19.134 ug/l	98
19) Methyl tert-butyl Ether	5.323	73	63930	20.051 ug/l	94
20) Methylene Chloride	4.794	84	38444	21.005 ug/l	96
21) trans-1,2-Dichloroethene	5.312	96	31816	20.179 ug/l	97
22) Diisopropyl ether	6.217	45	99503	21.163 ug/l	97
23) Vinyl Acetate	6.159	43	276853	101.098 ug/l	99
24) 1,1-Dichloroethane	6.106	63	59787	20.207 ug/l #	94
25) 2-Butanone	7.082	43	41887	98.218 ug/l	95
26) 2,2-Dichloropropane	7.076	77	48581	20.635 ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	34813	19.929 ug/l	97
28) Bromochloromethane	7.423	49	27703	20.110 ug/l	97
29) Tetrahydrofuran	7.441	42	27387	98.491 ug/l	98
30) Chloroform	7.594	83	60811	20.610 ug/l	97
31) Cyclohexane	7.876	56	50162	19.920 ug/l	96
32) 1,1,1-Trichloroethane	7.788	97	49401	20.522 ug/l	100
36) 1,1-Dichloropropene	8.006	75	40103	20.158 ug/l	97
37) Ethyl Acetate	7.176	43	21448	20.672 ug/l	97
38) Carbon Tetrachloride	7.988	117	44381	21.391 ug/l	92
39) Methylcyclohexane	9.270	83	45799	19.840 ug/l	91
40) Benzene	8.247	78	127807	20.504 ug/l	96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080292.D
Acq On : 06 May 2025 14:23
Operator : RP/MD
Sample : VSTDICC020
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.400	41	12397	21.534 ug/l	94
42) 1,2-Dichloroethane	8.323	62	38305	21.207 ug/l	100
43) Isopropyl Acetate	8.358	43	38348	20.329 ug/l	97
44) Trichloroethene	9.023	130	30029	20.753 ug/l	90
45) 1,2-Dichloropropane	9.305	63	33014	20.651 ug/l #	87
46) Dibromomethane	9.394	93	18581	21.348 ug/l	96
47) Bromodichloromethane	9.588	83	44741	20.252 ug/l	94
48) Methyl methacrylate	9.382	41	18212m	20.319 ug/l	
49) 1,4-Dioxane	9.388	88	4380	423.258 ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	102075	105.020 ug/l	100
52) Toluene	10.329	92	76380	20.339 ug/l	99
53) t-1,3-Dichloropropene	10.552	75	40433	20.076 ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	47786	20.475 ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	23540	20.446 ug/l	94
56) Ethyl methacrylate	10.600	69	27358	19.610 ug/l	97
57) 1,3-Dichloropropane	10.882	76	39725	20.761 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	54791	95.966 ug/l	98
59) 2-Hexanone	10.917	43	66578	99.577 ug/l	98
60) Dibromochloromethane	11.070	129	30081	20.848 ug/l	93
61) 1,2-Dibromoethane	11.176	107	23275	21.801 ug/l	95
64) Tetrachloroethene	10.811	164	26331	20.776 ug/l	92
65) Chlorobenzene	11.605	112	84594	20.018 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.676	131	29290	20.174 ug/l	99
67) Ethyl Benzene	11.682	91	139501	19.754 ug/l	99
68) m/p-Xylenes	11.788	106	110674	40.363 ug/l	98
69) o-Xylene	12.117	106	48565	19.383 ug/l	95
70) Styrene	12.135	104	89828	19.965 ug/l	99
71) Bromoform	12.294	173	17591	20.394 ug/l #	98
73) Isopropylbenzene	12.417	105	127888	19.571 ug/l	98
74) N-amyl acetate	12.229	43	36957	19.706 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	30282	21.074 ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	24910m	23.307 ug/l	
77) Bromobenzene	12.699	156	33221	19.600 ug/l	94
78) n-propylbenzene	12.758	91	161385	19.681 ug/l	99
79) 2-Chlorotoluene	12.846	91	95094	19.937 ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	111307	19.971 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	10859	21.201 ug/l	97
82) 4-Chlorotoluene	12.941	91	102425	19.893 ug/l	100
83) tert-Butylbenzene	13.164	119	89918	19.334 ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	114868	20.144 ug/l	99
85) sec-Butylbenzene	13.341	105	140780	19.629 ug/l	98
86) p-Isopropyltoluene	13.458	119	118421	19.646 ug/l	98
87) 1,3-Dichlorobenzene	13.452	146	70964	20.076 ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	72067	20.223 ug/l	99
89) n-Butylbenzene	13.782	91	113114	19.331 ug/l	98
90) Hexachloroethane	14.046	117	26594	19.940 ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	62422	20.329 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4538	19.815 ug/l	94
93) 1,2,4-Trichlorobenzene	15.093	180	36841	19.078 ug/l	97
94) Hexachlorobutadiene	15.193	225	19548	19.458 ug/l	97
95) Naphthalene	15.329	128	66818	18.428 ug/l #	96
96) 1,2,3-Trichlorobenzene	15.517	180	33265	19.260 ug/l	99

ICAL Form

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080292.D
Acq On    : 06 May 2025  14:23
Operator  : RP/MD
Sample    : VSTDICC020
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 07 03:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

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

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

Quantitation Report (QT Reviewed)

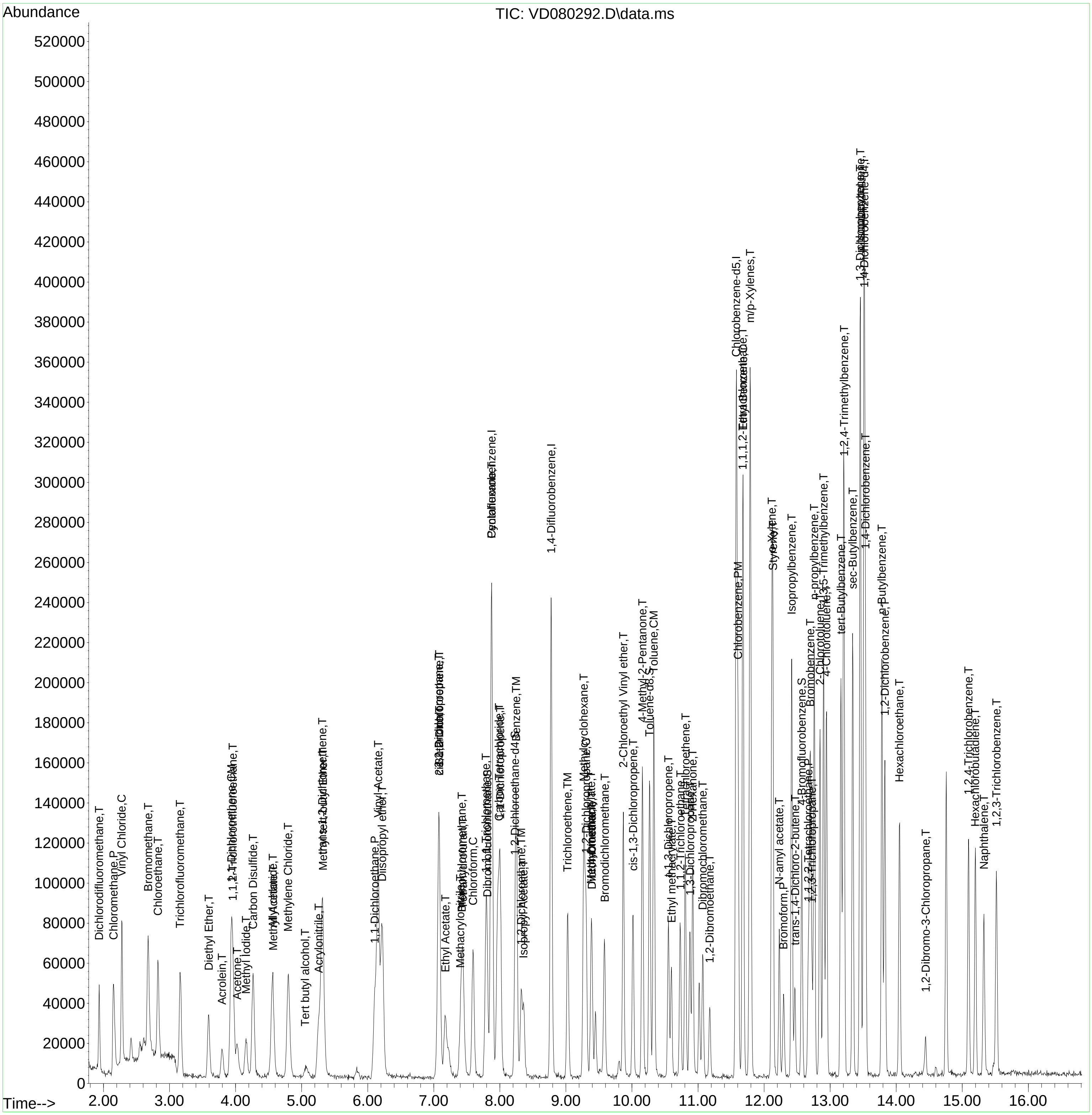
ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080292.D
Acq On : 06 May 2025 14:23
Operator : RP/MD
Sample : VSTDICC020
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 03:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



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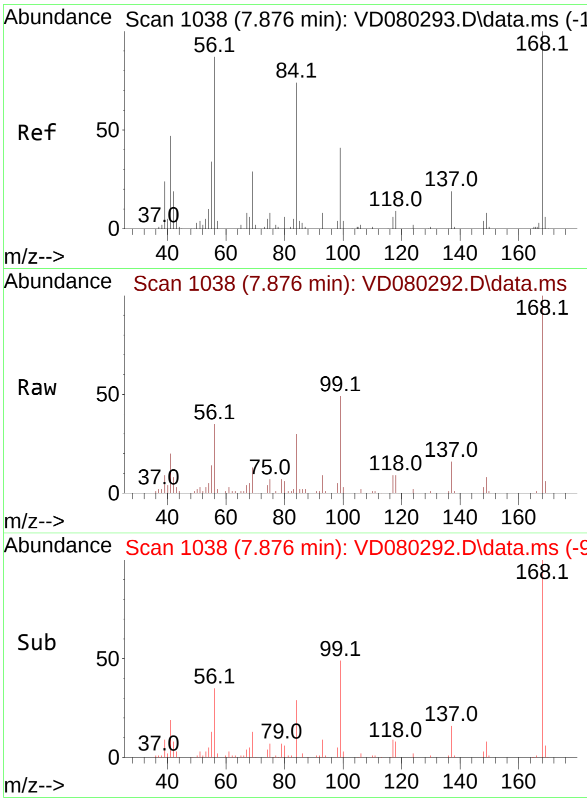


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

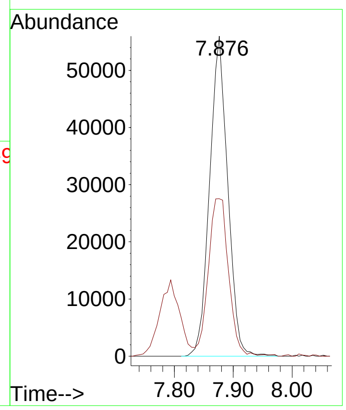
Tgt Ion:168 Resp: 11985

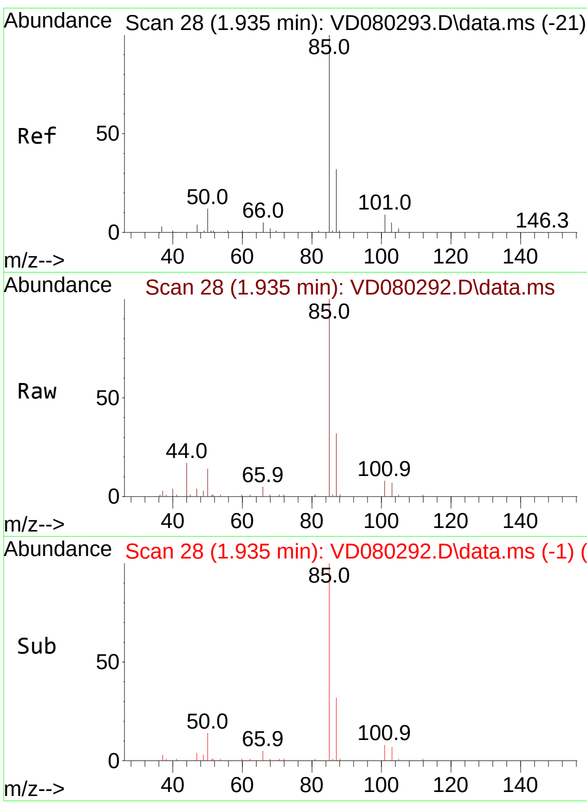
Ion	Ratio	Lower	Upper
168	100		
99	49.2	46.4	69.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

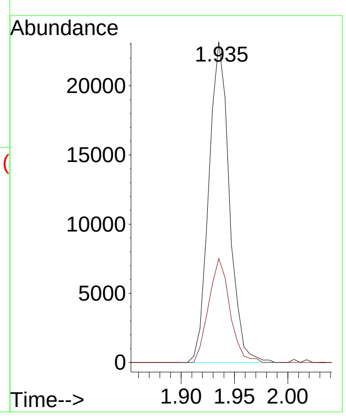


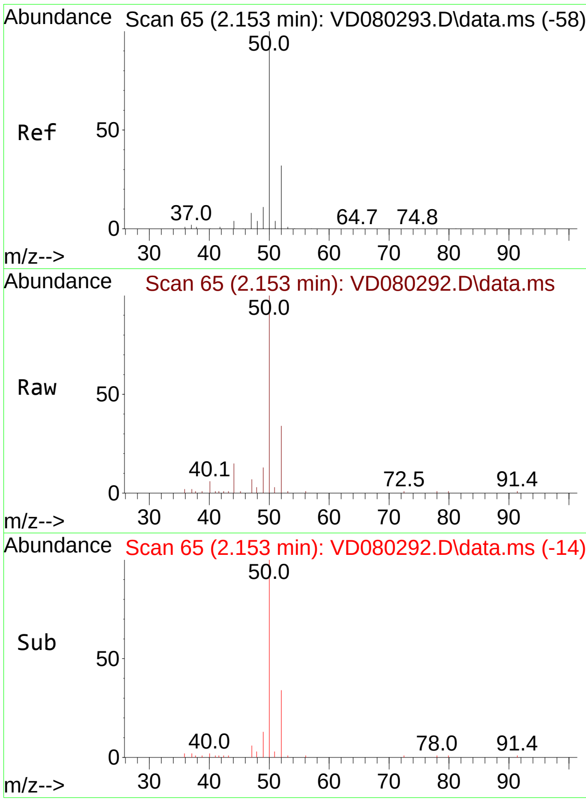


#2
Dichlorodifluoromethane
Concen: 26.726 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 85 Resp: 31074

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6





#3
Chloromethane
Concen: 23.567 ug/l
RT: 2.153 min Scan# 65
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

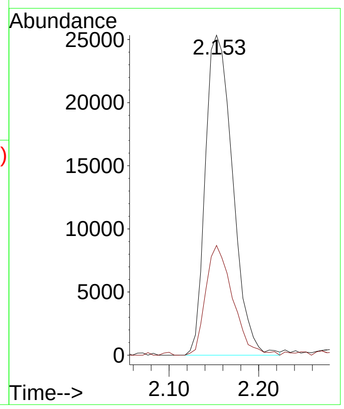
Tgt Ion: 50 Resp: 53899

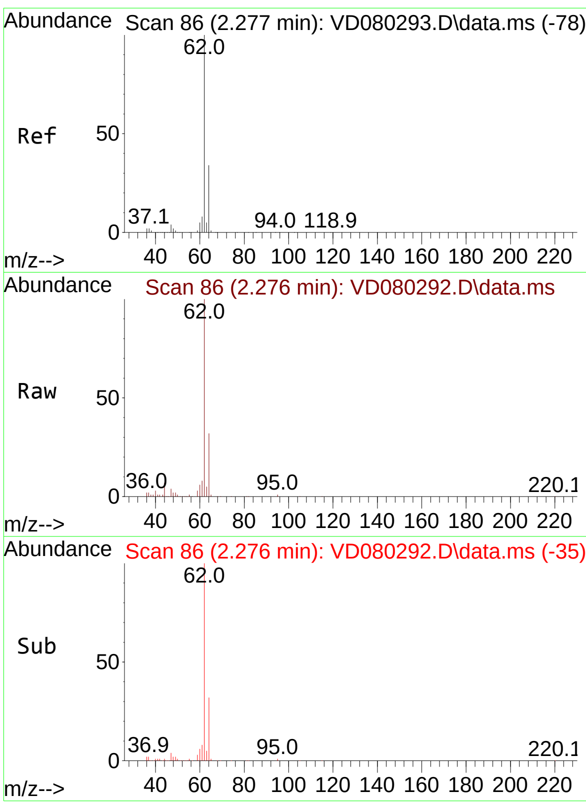
Ion	Ratio	Lower	Upper
50	100		
52	34.5	25.7	38.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

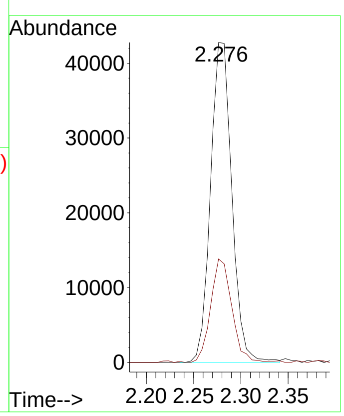




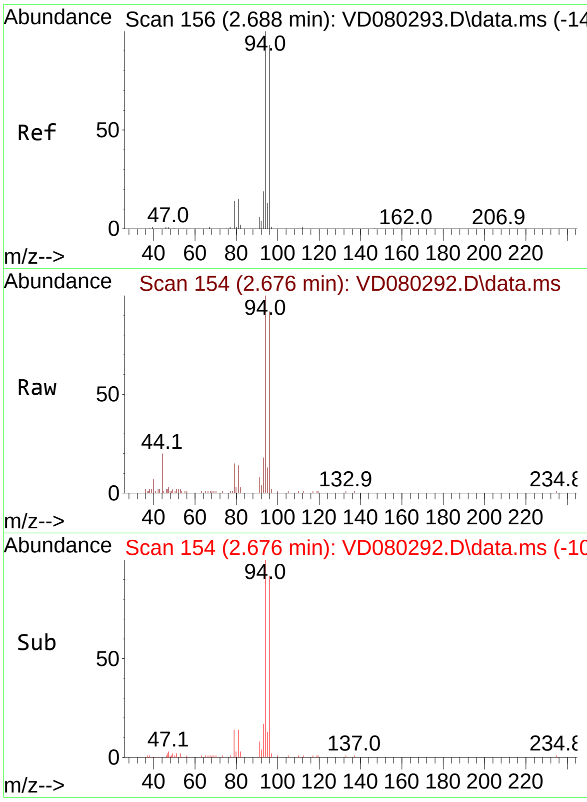
#4
Vinyl Chloride
Concen: 21.509 ug/l
RT: 2.276 min Scan# 86
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 62 Resp: 67022

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.9	40.3



ICAL Form



#5
Bromomethane
Concen: 22.383 ug/l
RT: 2.676 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

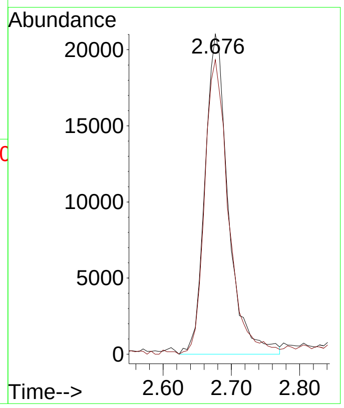
Tgt Ion: 94 Resp: 5020

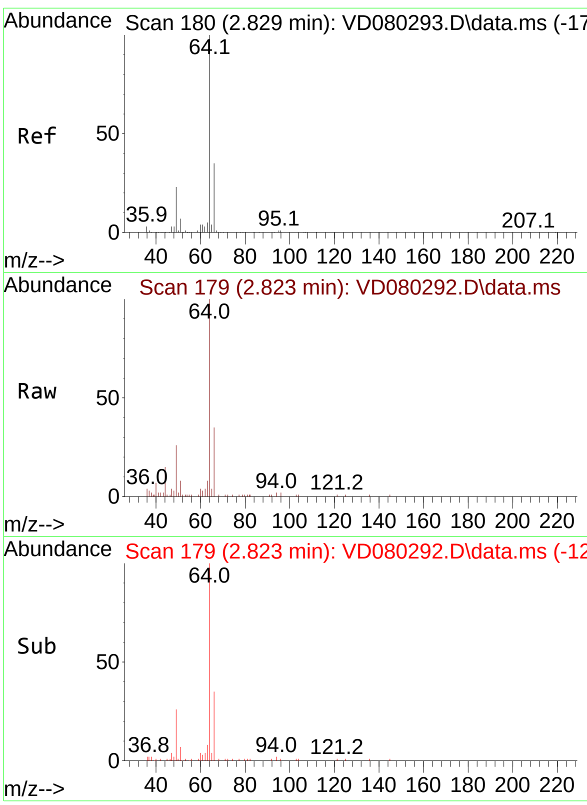
Ion	Ratio	Lower	Upper
94	100		
96	94.1	74.6	112.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

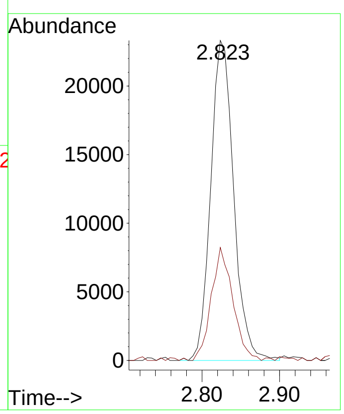




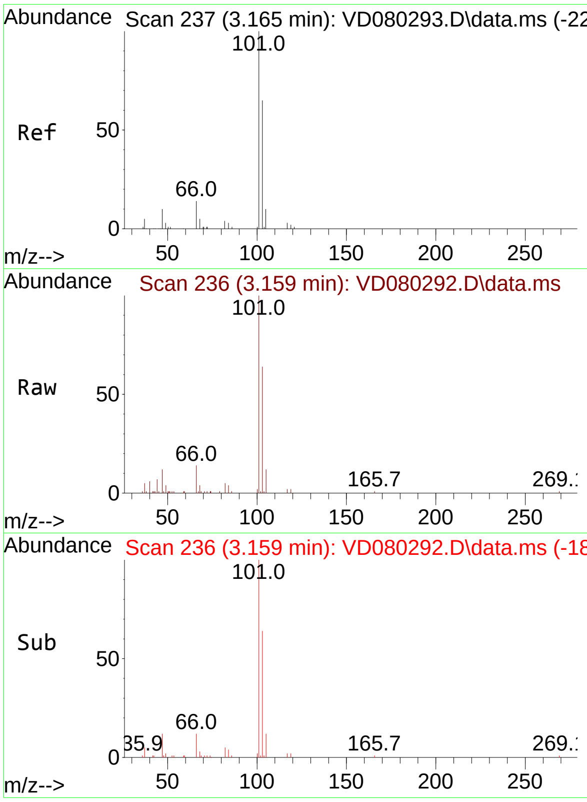
#6
Chloroethane
Concen: 21.863 ug/l
RT: 2.823 min Scan# 179
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 64 Resp: 48168

Ion	Ratio	Lower	Upper
64	100		
66	35.3	27.7	41.5



ICAL Form



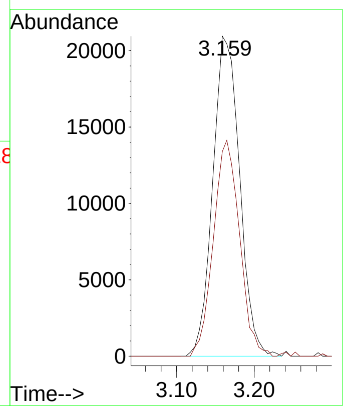
#7
Trichlorofluoromethane
Concen: 21.106 ug/l
RT: 3.159 min   Scan# 2
Delta R.T.   -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

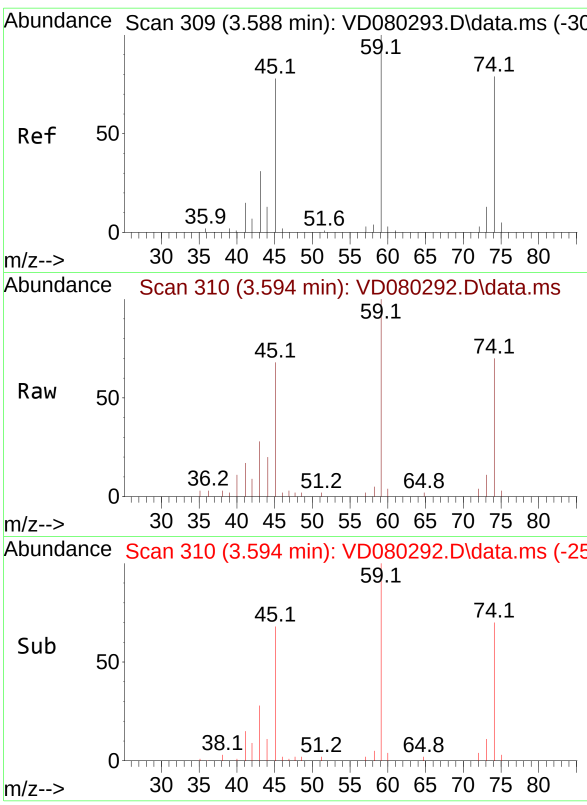
Tgt Ion:101 Resp: 50429
Ion   Ratio   Lower   Upper
101   100
103   63.9   51.8   77.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

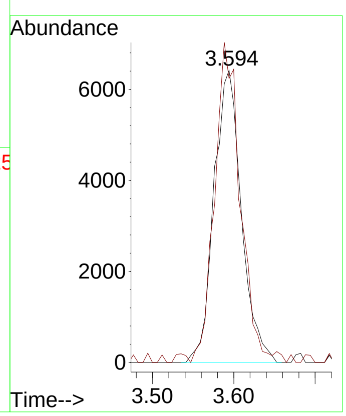
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025



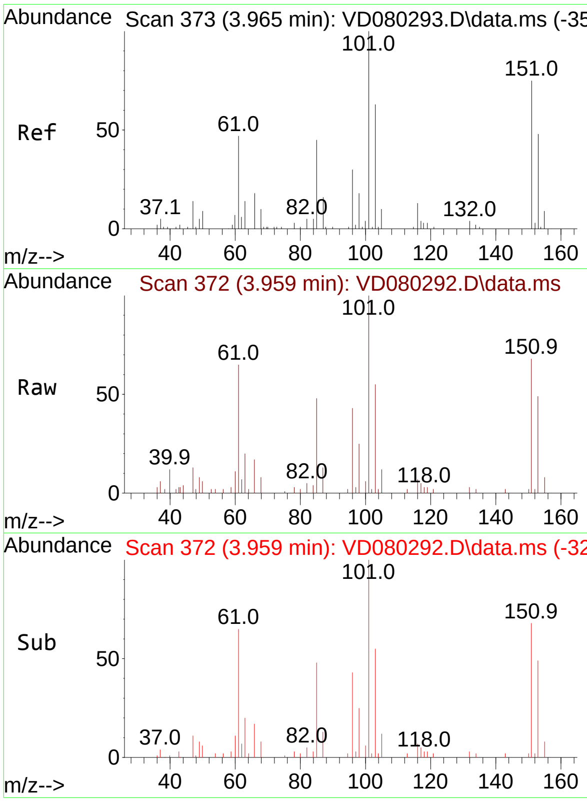


#8
Diethyl Ether
Concen: 20.436 ug/l
RT: 3.594 min   Scan# 310
Delta R.T.   0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion: 74 Resp: 15072
Ion   Ratio   Lower   Upper
74   100
45   103.6   53.1   159.4



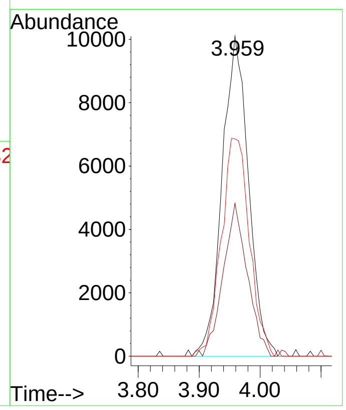
ICAL Form



#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.675 ug/l
RT: 3.959 min Scan# 3
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:101 Resp: 3043

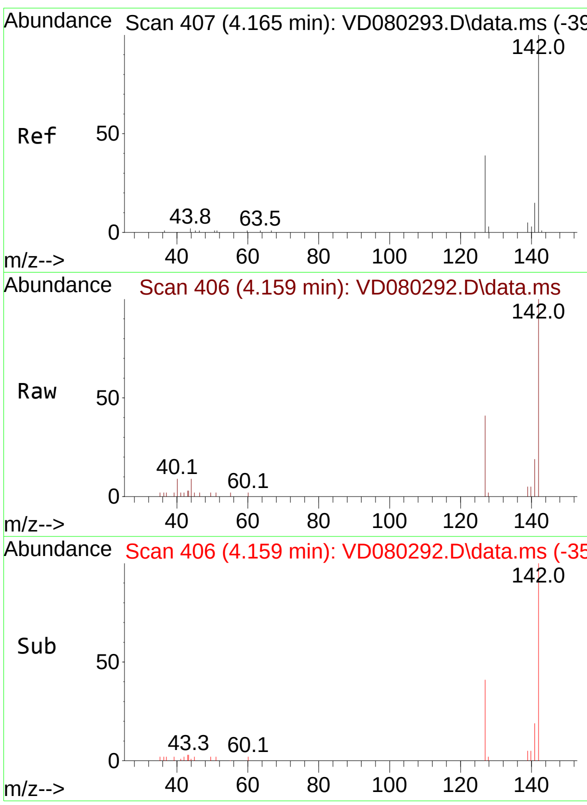
Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	72.7	59.0	88.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

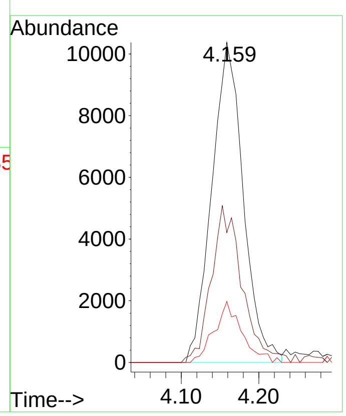
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



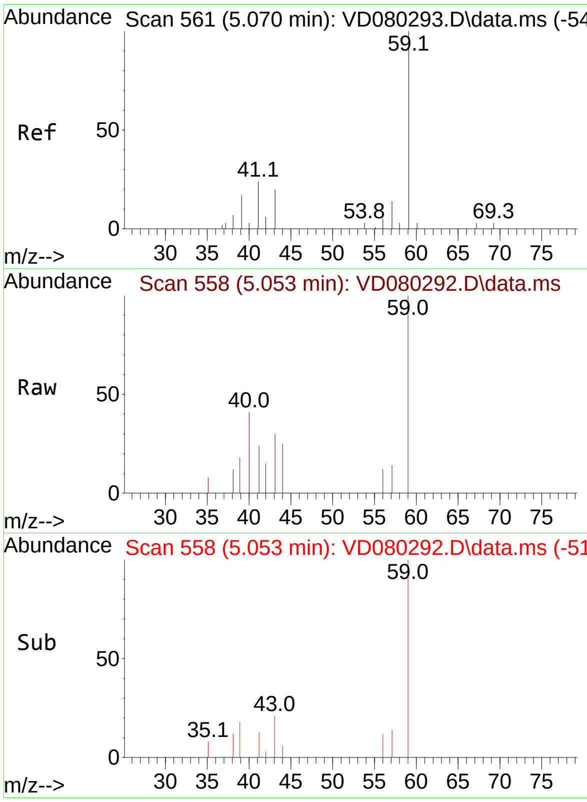
#10
Methyl Iodide
Concen: 19.498 ug/l
RT: 4.159 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:142 Resp: 29259

Ion	Ratio	Lower	Upper
142	100		
127	48.1	34.6	52.0
141	16.8	12.2	18.4



ICAL Form



#11
Tert butyl alcohol
Concen: 96.391 ug/l
RT: 5.053 min Scan# 5
Delta R.T. -0.018 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

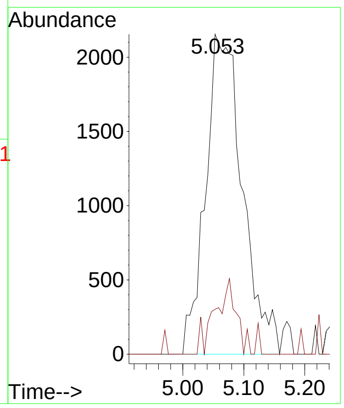
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

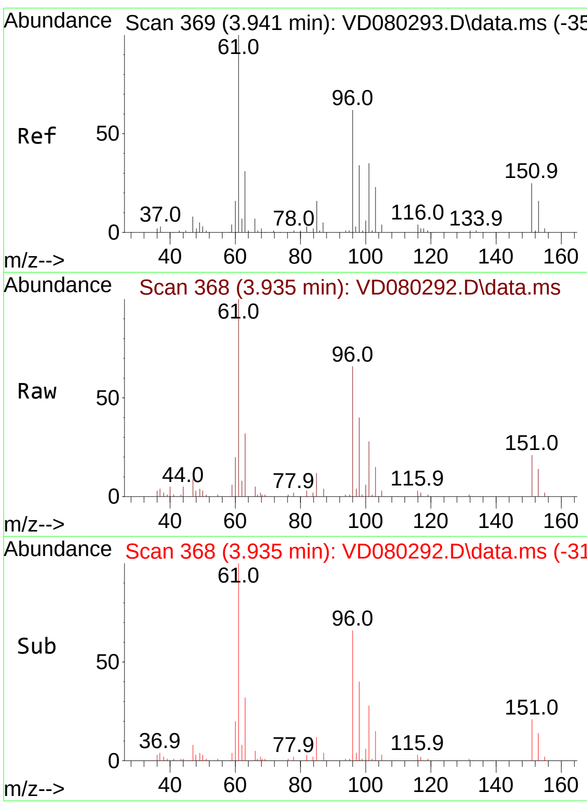
Tgt Ion: 59 Resp: 906

Ion	Ratio	Lower	Upper
59	100		
57	0.0	10.6	16.0#

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

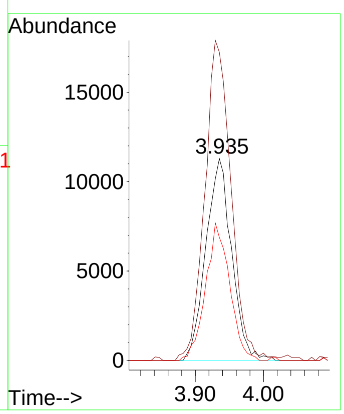




#12
1,1-Dichloroethene
Concen: 20.481 ug/l
RT: 3.935 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 96 Resp: 29724

Ion	Ratio	Lower	Upper
96	100		
61	151.3	128.2	192.2
98	60.9	43.9	65.9

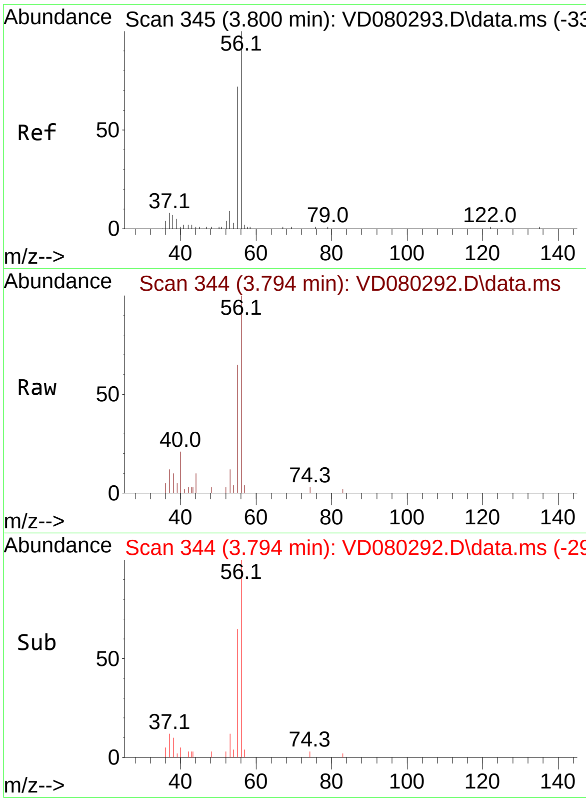


ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

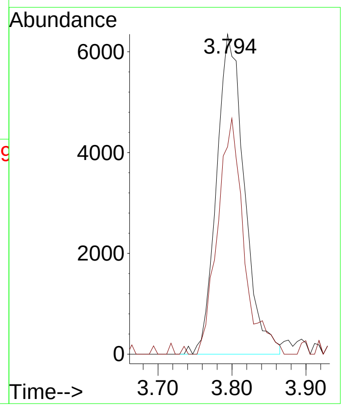
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

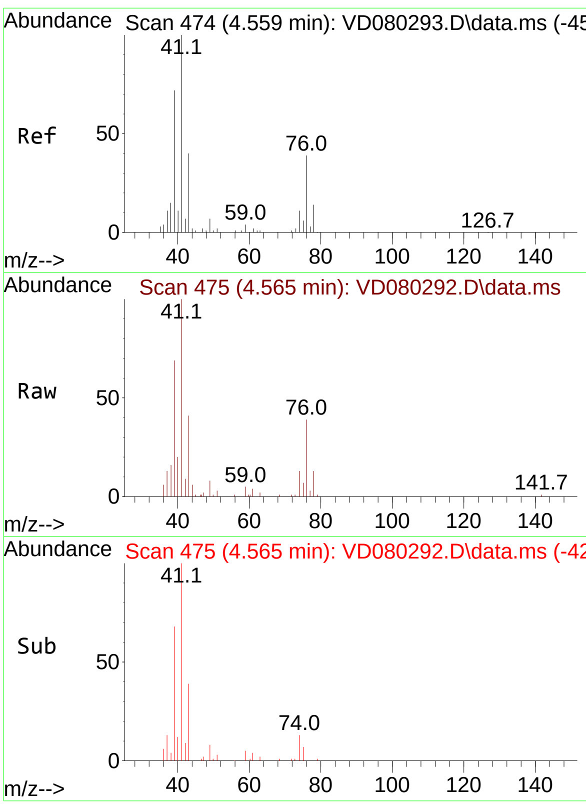


#13
Acrolein
Concen: 100.564 ug/l
RT: 3.794 min Scan# 34
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 56 Resp: 1664

Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.4	86.2

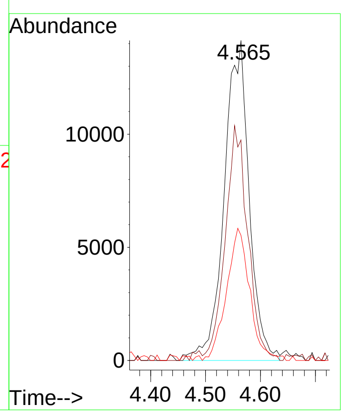


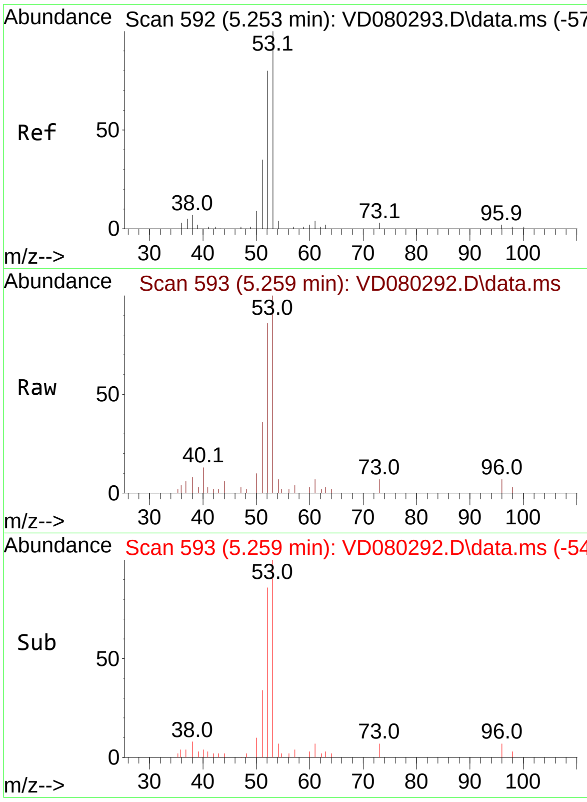


#14
Allyl chloride
Concen: 19.627 ug/l
RT: 4.565 min Scan# 475
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 41 Resp: 44799

Ion	Ratio	Lower	Upper
41	100		
39	66.4	53.0	79.4
76	38.5	28.8	43.2





#15
Acrylonitrile
Concen: 101.234 ug/l
RT: 5.259 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 53 Resp: 35895

Ion	Ratio	Lower	Upper
53	100		
52	85.4	67.3	100.9
51	35.6	30.4	45.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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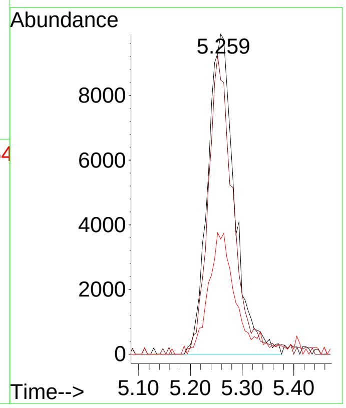
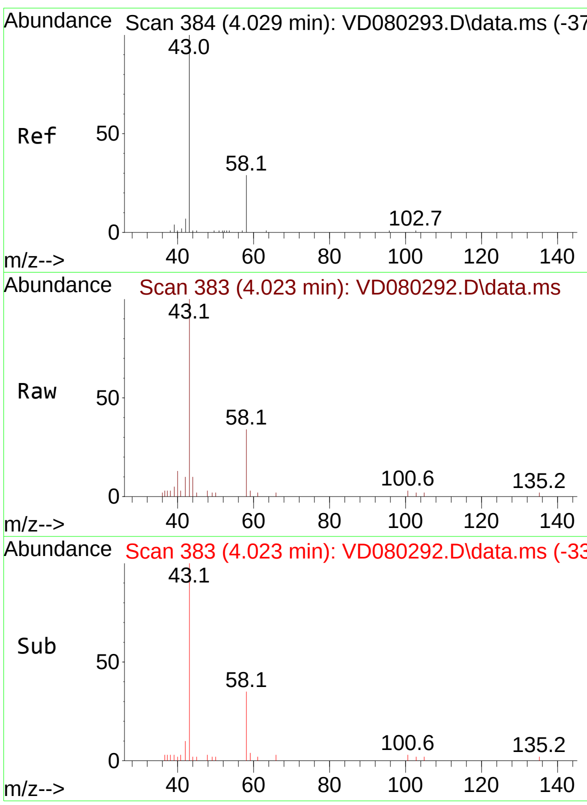
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

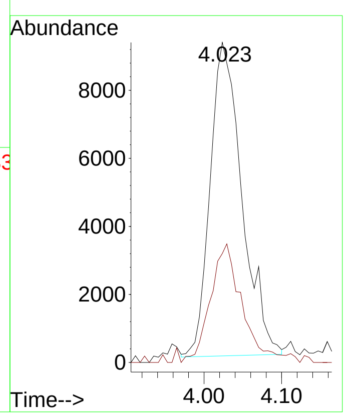




#16
Acetone
Concen: 100.367 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 43 Resp: 26343

Ion	Ratio	Lower	Upper
43	100		
58	34.9	22.9	34.3#



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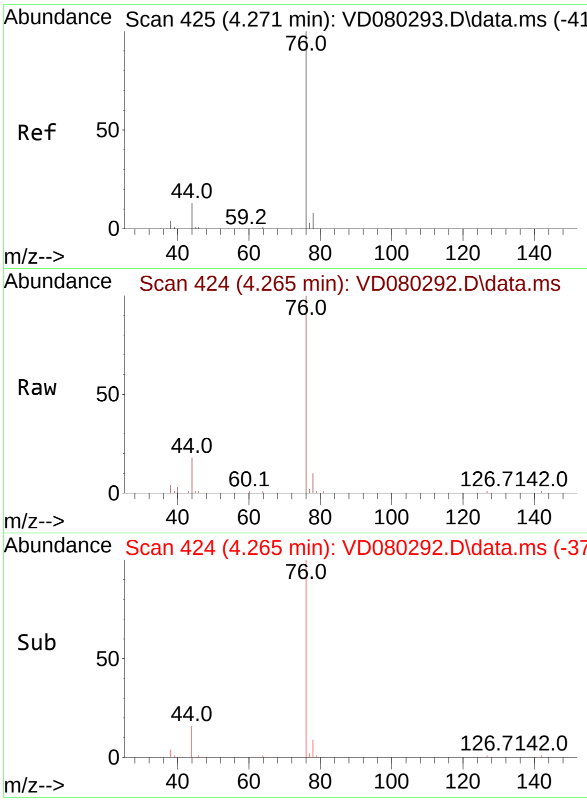

#17
Carbon Disulfide
Concen: 21.062 ug/l
RT: 4.265 min Scan# 4
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 76 Resp: 10614

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.6	10.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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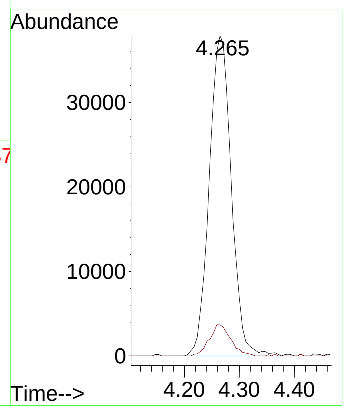
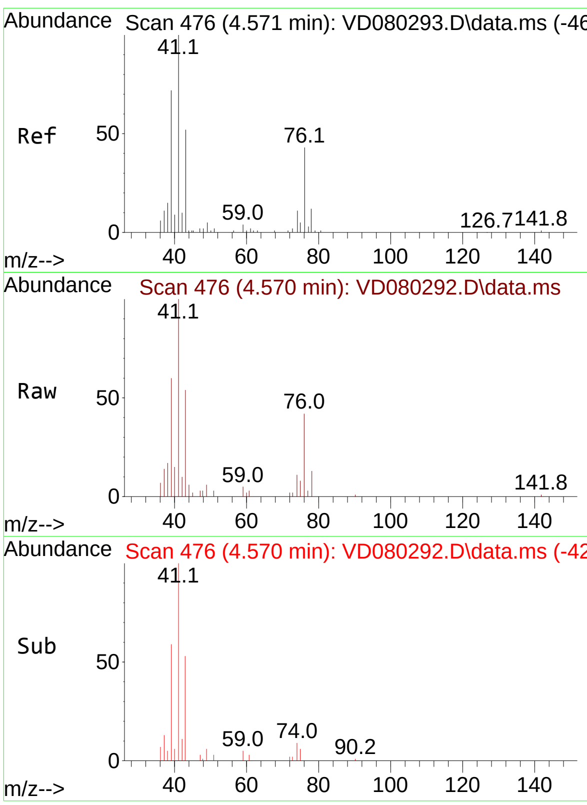
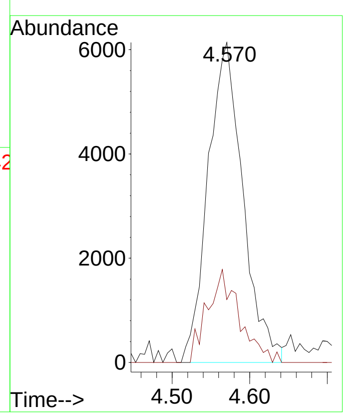




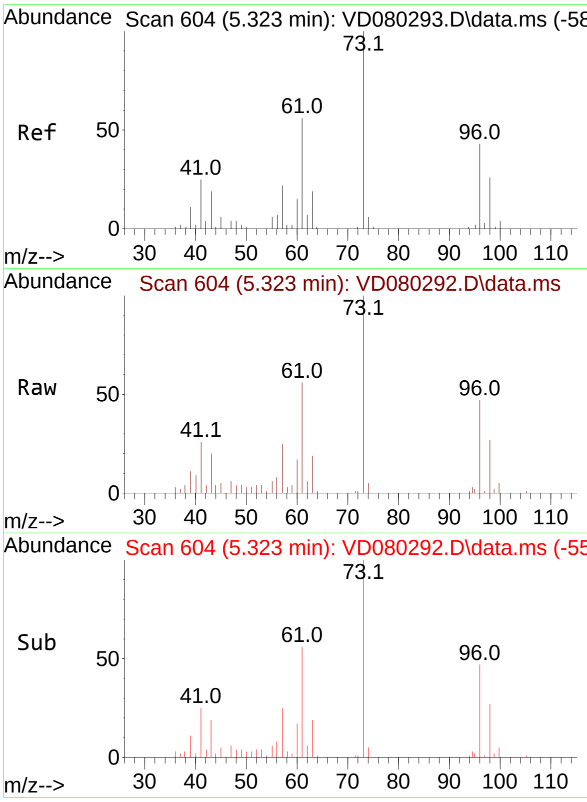
#18
Methyl Acetate
Concen: 19.134 ug/l
RT: 4.570 min Scan# 476
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 43 Resp: 19220

Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.4	30.6



ICAL Form



#19
Methyl tert-butyl Ether
Concen: 20.051 ug/l
RT: 5.323 min Scan# 60
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 63930

Ion	Ratio	Lower	Upper
73	100		
57	24.8	17.5	26.3

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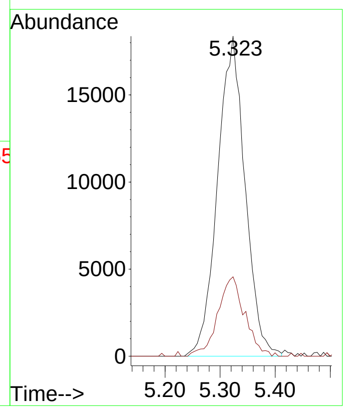
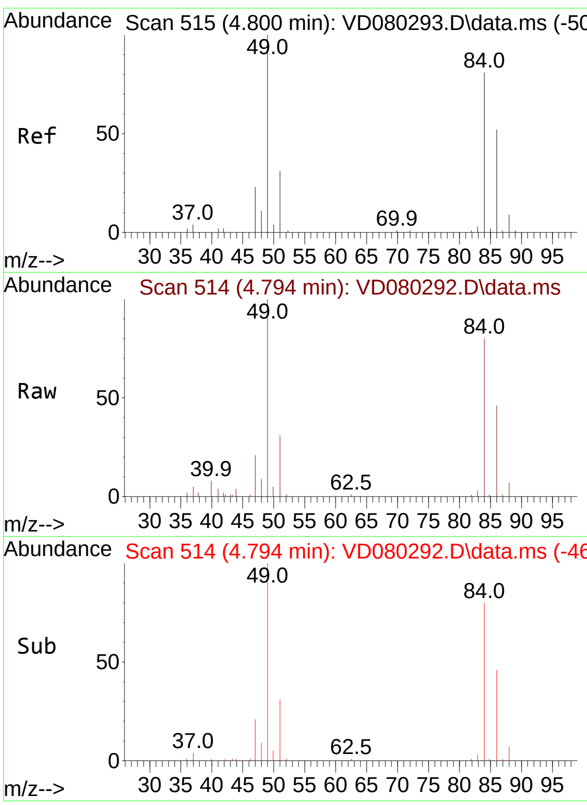
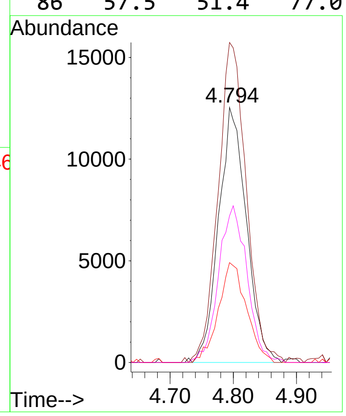




#20
Methylene Chloride
Concen: 21.005 ug/l
RT: 4.794 min Scan# 514
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 84 Resp: 38444

Ion	Ratio	Lower	Upper
84	100		
49	125.5	98.7	148.1
51	39.2	30.8	46.2
86	57.5	51.4	77.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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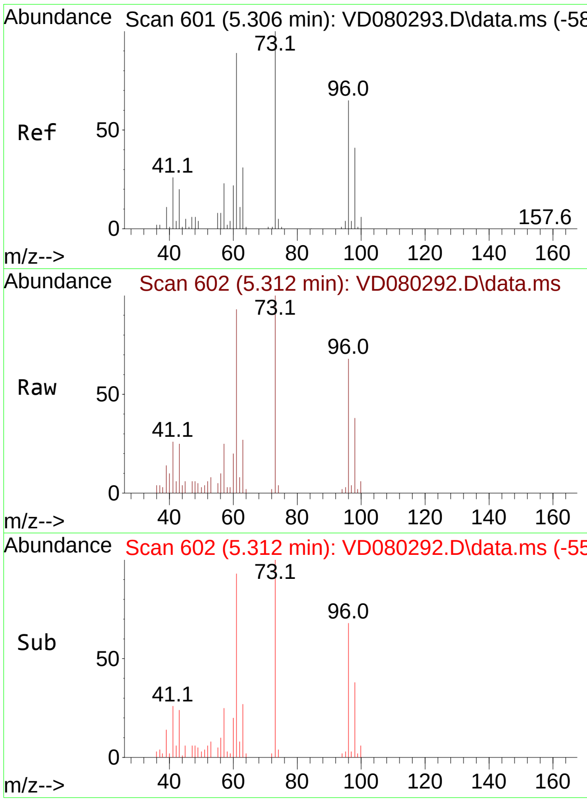
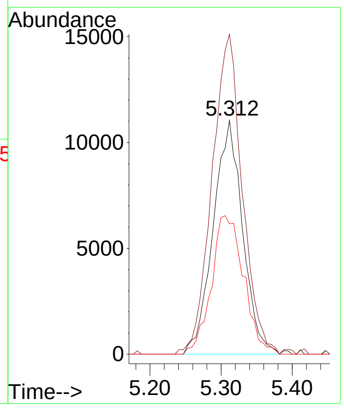
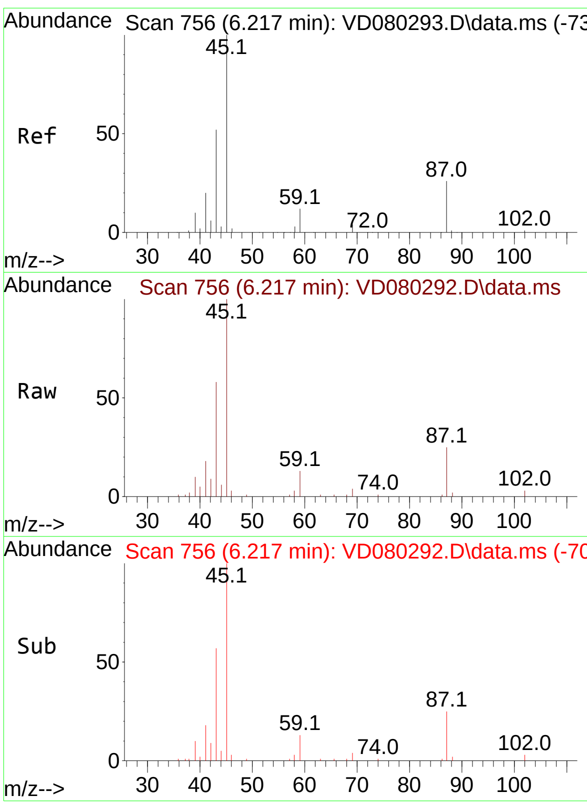


#21
trans-1,2-Dichloroethene
Concen: 20.179 ug/l
RT: 5.312 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 96 Resp: 31810

Ion	Ratio	Lower	Upper
96	100		
61	136.9	109.9	164.9
98	55.8	50.6	75.8

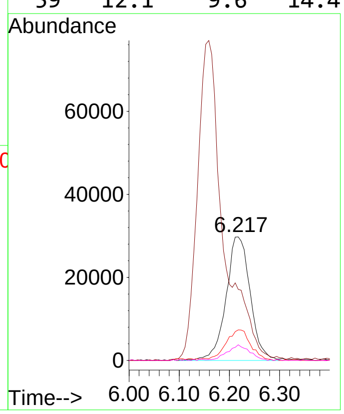




#22
Diisopropyl ether
Concen: 21.163 ug/l
RT: 6.217 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 45 Resp: 99503

Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.5	63.7
87	24.8	21.4	32.0
59	12.1	9.6	14.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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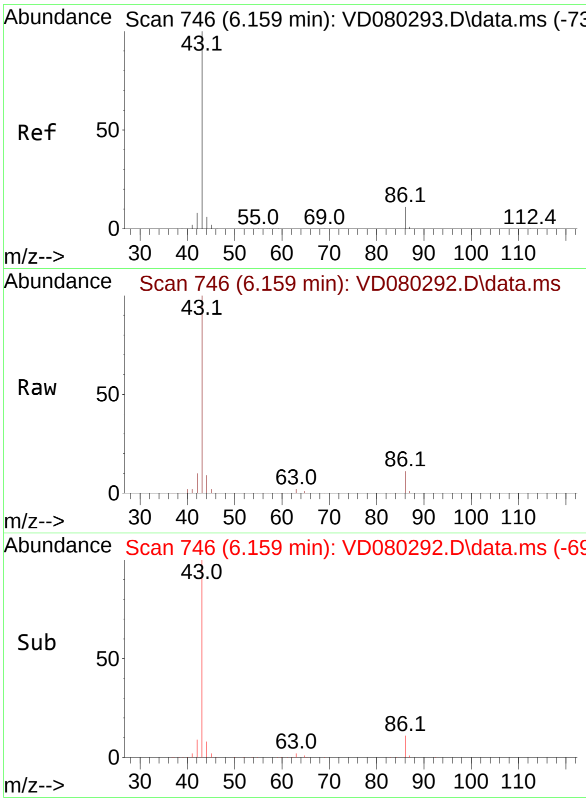
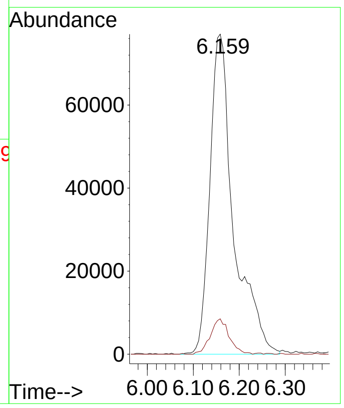
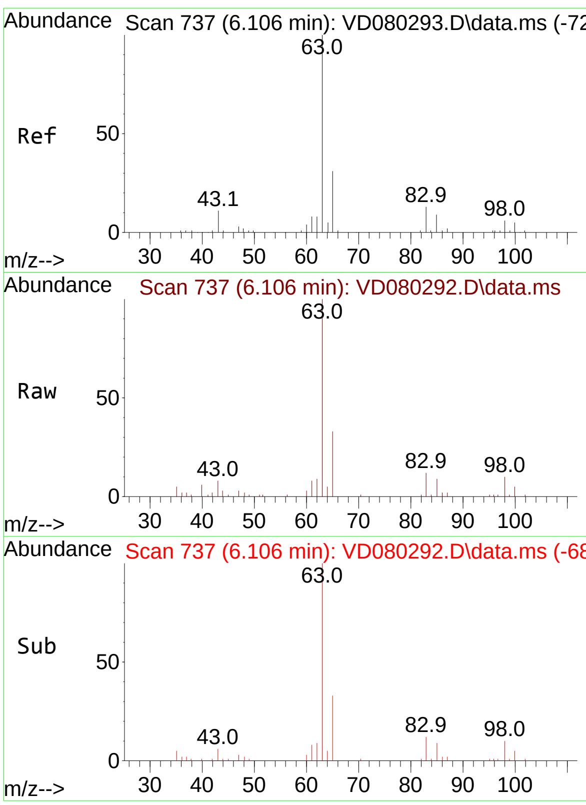


#23
Vinyl Acetate
Concen: 101.098 ug/l
RT: 6.159 min Scan# 74
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 43 Resp: 27685

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8

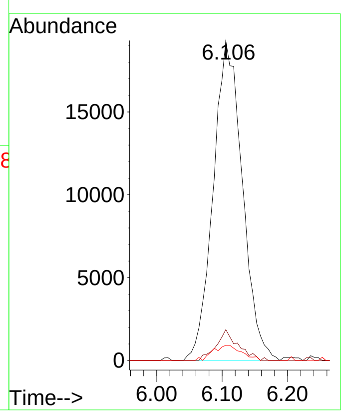




#24
1,1-Dichloroethane
Concen: 20.207 ug/l
RT: 6.106 min Scan# 737
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 63 Resp: 59787

Ion	Ratio	Lower	Upper
63	100		
98	9.7	3.1	9.3#
100	4.8	2.3	6.9



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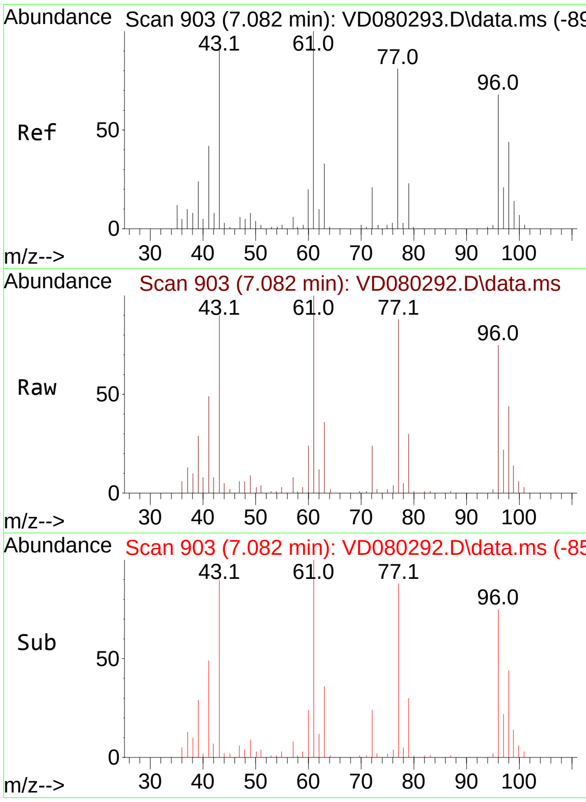

#25
2-Butanone
Concen: 98.218 ug/l
RT: 7.082 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 43 Resp: 4188

Ion	Ratio	Lower	Upper
43	100		
72	26.2	19.0	28.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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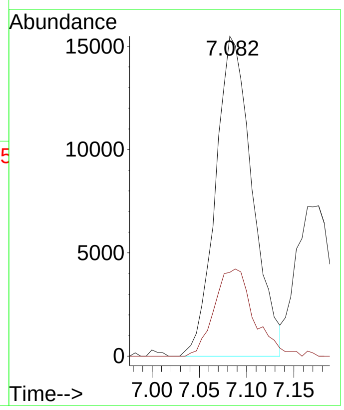
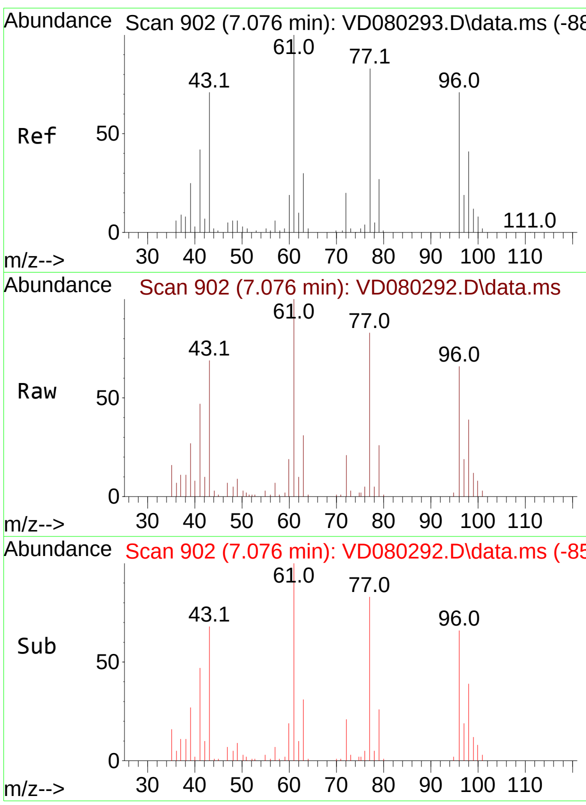
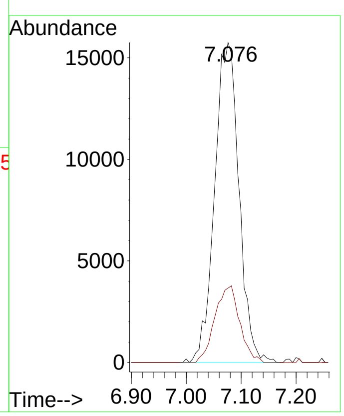




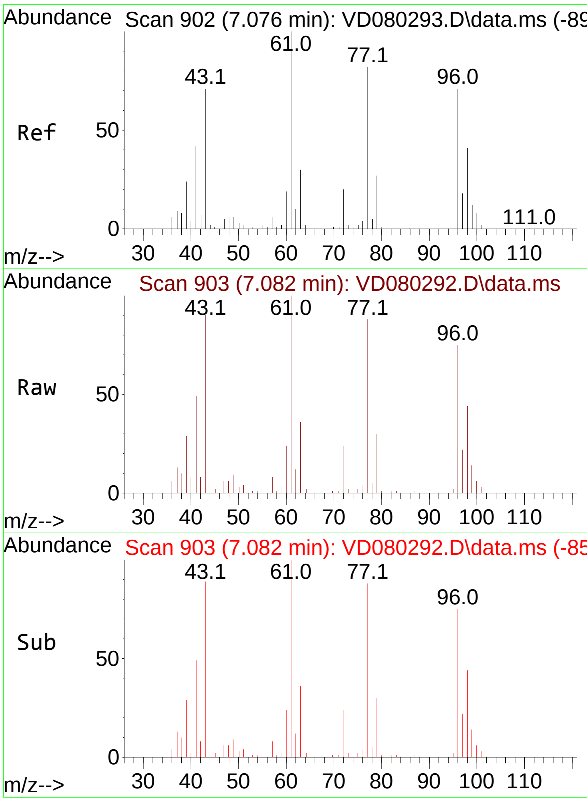
#26
2,2-Dichloropropane
Concen: 20.635 ug/l
RT: 7.076 min Scan# 902
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 77 Resp: 48581

Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.0	36.1



ICAL Form



#27
cis-1,2-Dichloroethene
Concen: 19.929 ug/l
RT: 7.082 min Scan# 9(
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
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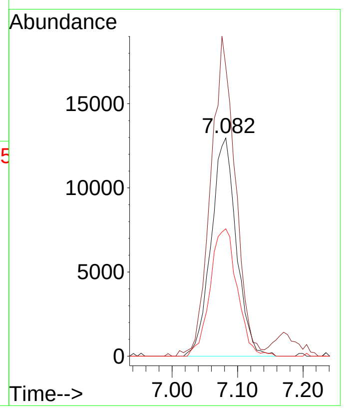
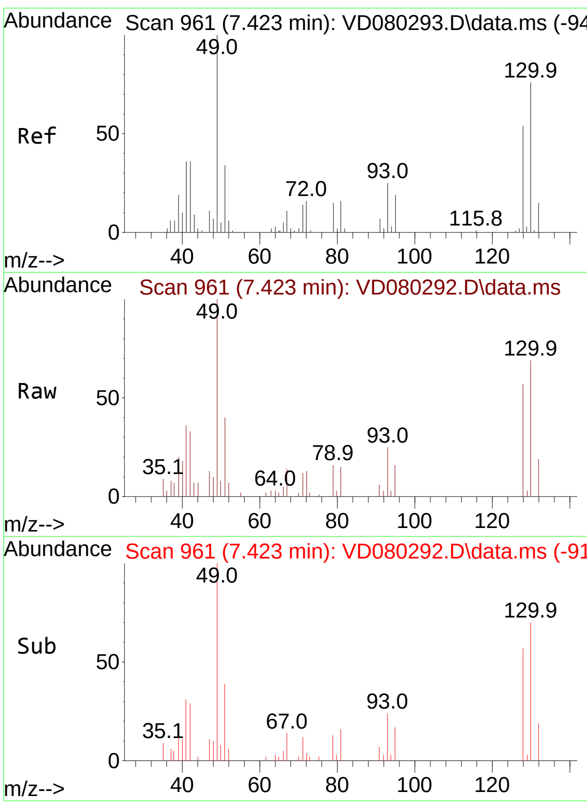
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 96 Resp: 3481

Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	293.8
98	62.7	0.0	128.8

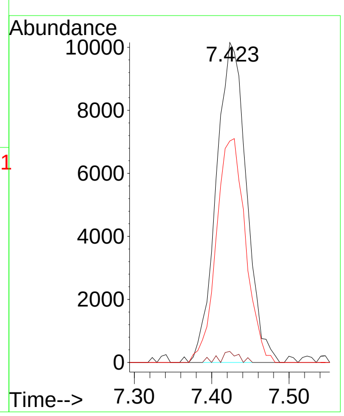


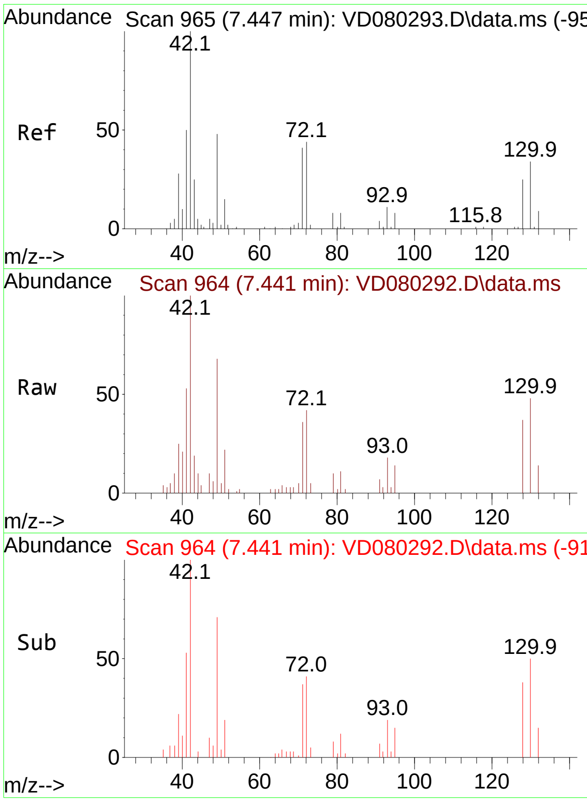


#28
Bromochloromethane
Concen: 20.110 ug/l
RT: 7.423 min Scan# 961
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 49 Resp: 27703

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	67.8	56.0	84.0





#29
Tetrahydrofuran
Concen: 98.491 ug/l
RT: 7.441 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 2738

Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.8	49.2
71	41.5	33.8	50.6

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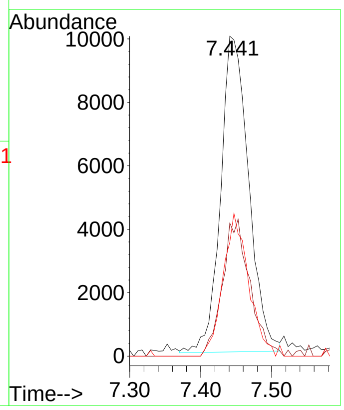
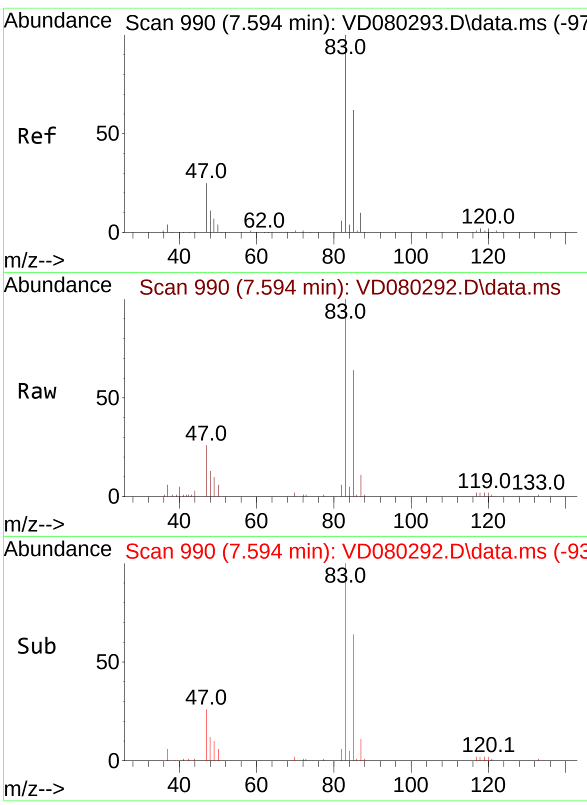
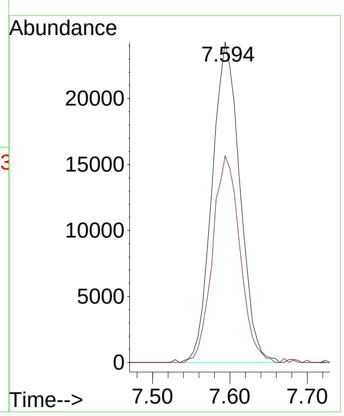




#30
Chloroform
Concen: 20.610 ug/l
RT: 7.594 min Scan# 990
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 83 Resp: 60811

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.0	75.0



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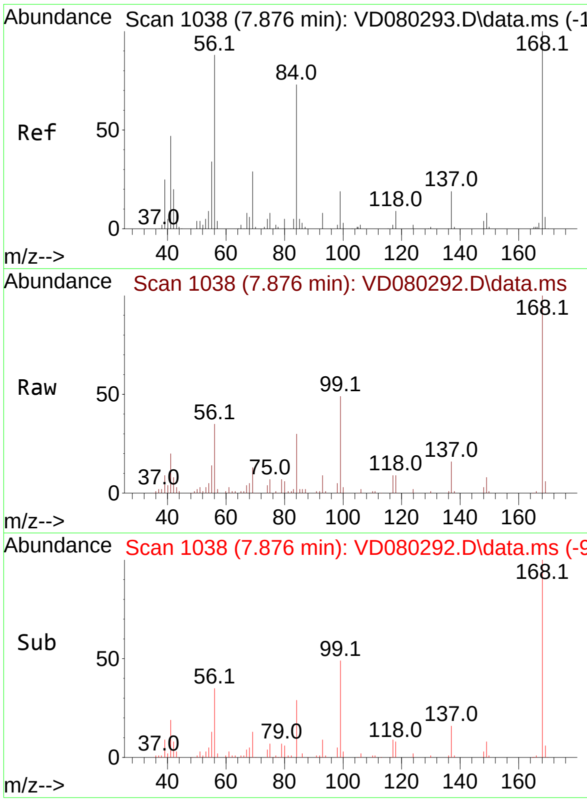

#31
Cyclohexane
Concen: 19.920 ug/l
RT: 7.876 min   Scan# 1(
Delta R.T.   -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 5016

Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.1	39.1
84	84.8	66.5	99.7

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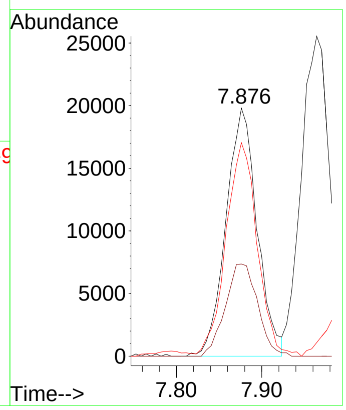
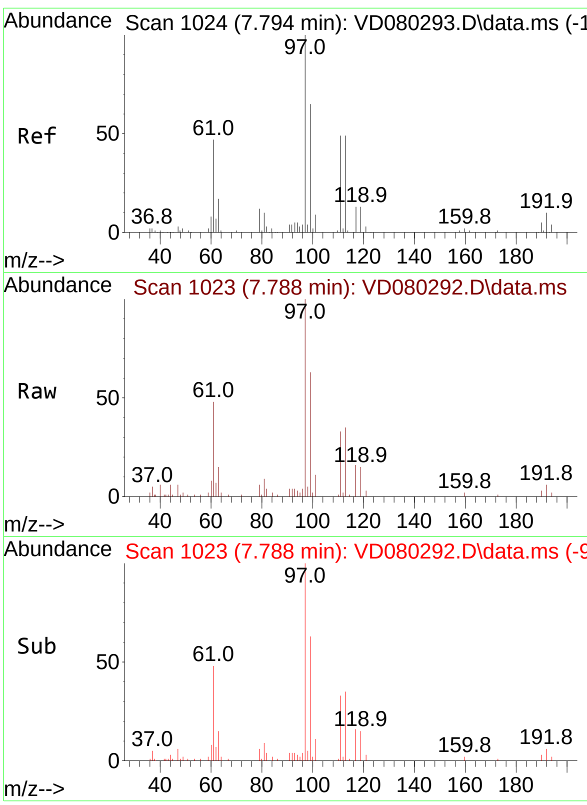
Supervised By :Semsettin Yesilyurt   05/07/2025

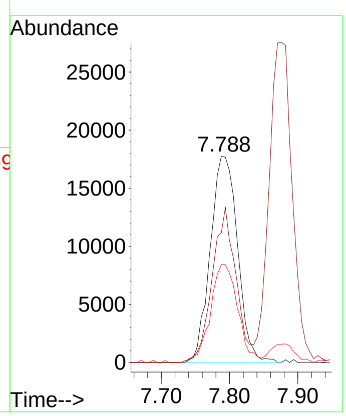




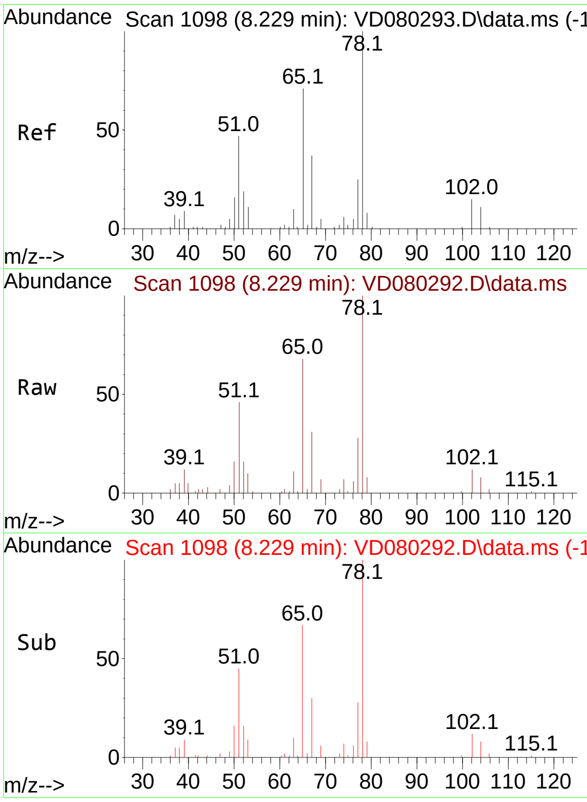
#32
1,1,1-Trichloroethane
Concen: 20.522 ug/l
RT: 7.788 min   Scan# 1023
Delta R.T.   -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion: 97 Resp: 49401

Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.4	78.6
61	47.4	37.9	56.9



ICAL Form



#33
1,2-Dichloroethane-d4
Concen: 19.985 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 65 Resp: 3097

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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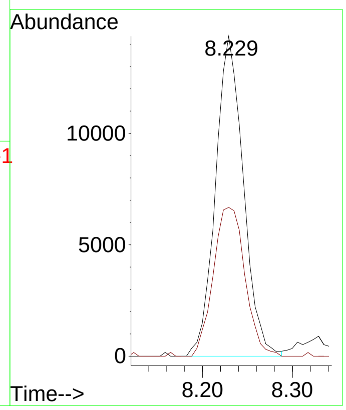
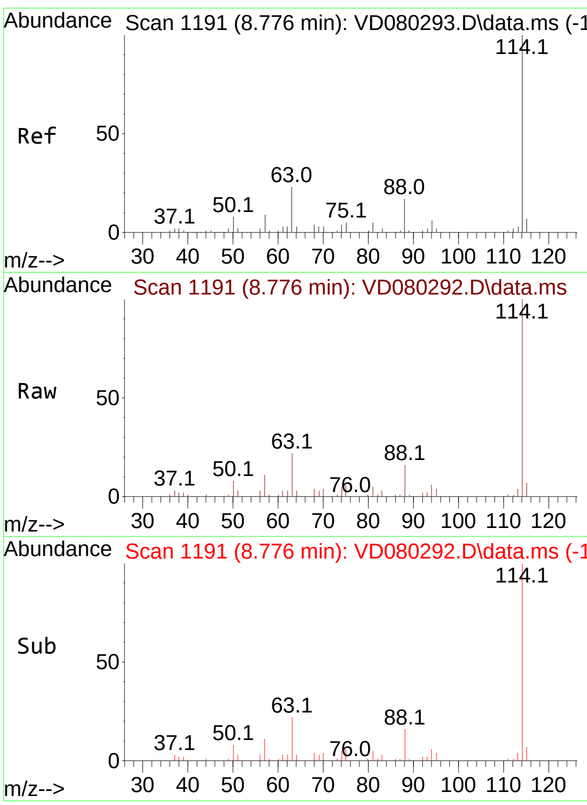
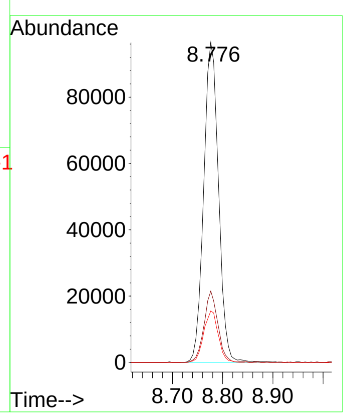


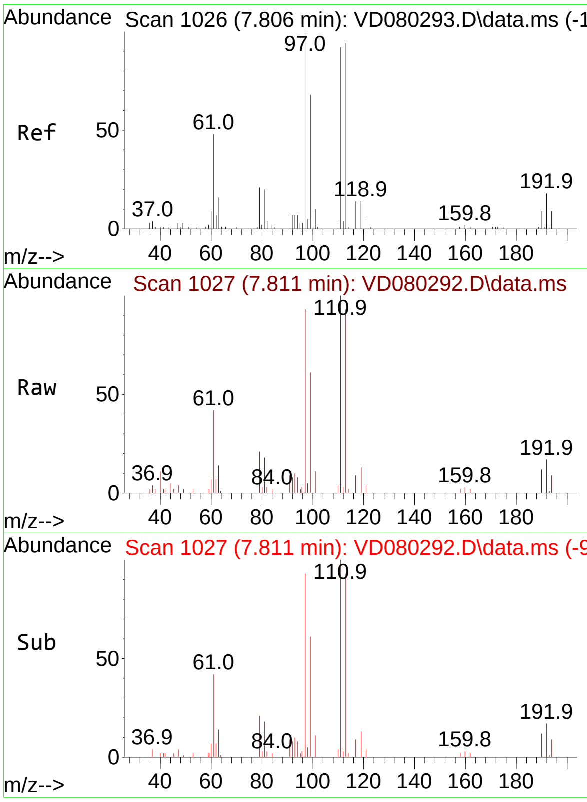


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:114 Resp: 198604

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	45.6
88	16.1	0.0	33.2





#35
Dibromofluoromethane
Concen: 20.291 ug/l
RT: 7.811 min   Scan# 1(
Delta R.T.   0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion:113 Resp: 2701(

Ion	Ratio	Lower	Upper
113	100		
111	104.9	80.7	121.1
192	18.7	15.7	23.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda   05/07/2025
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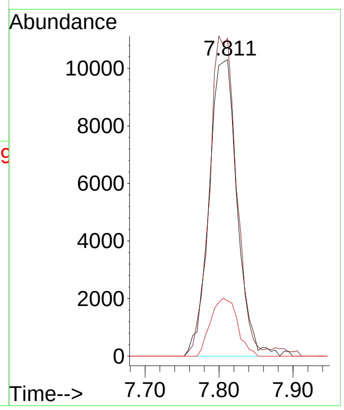
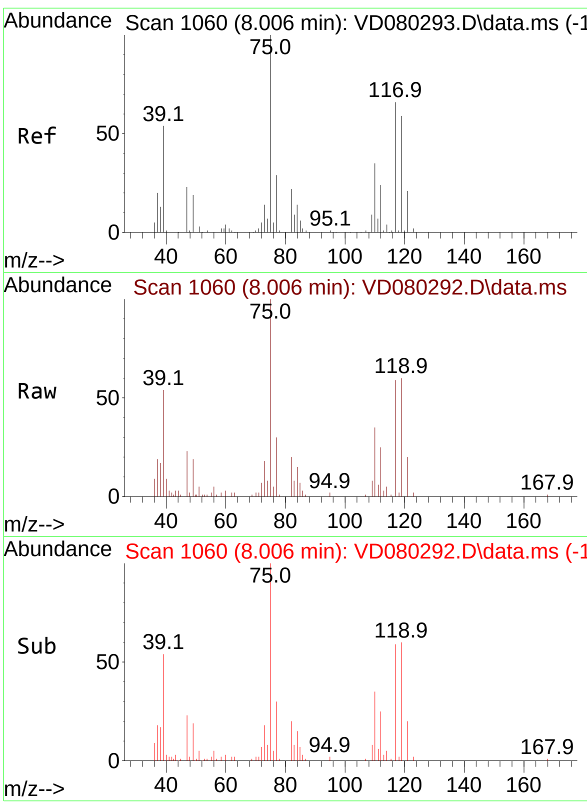
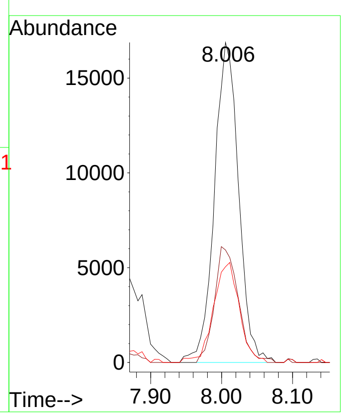


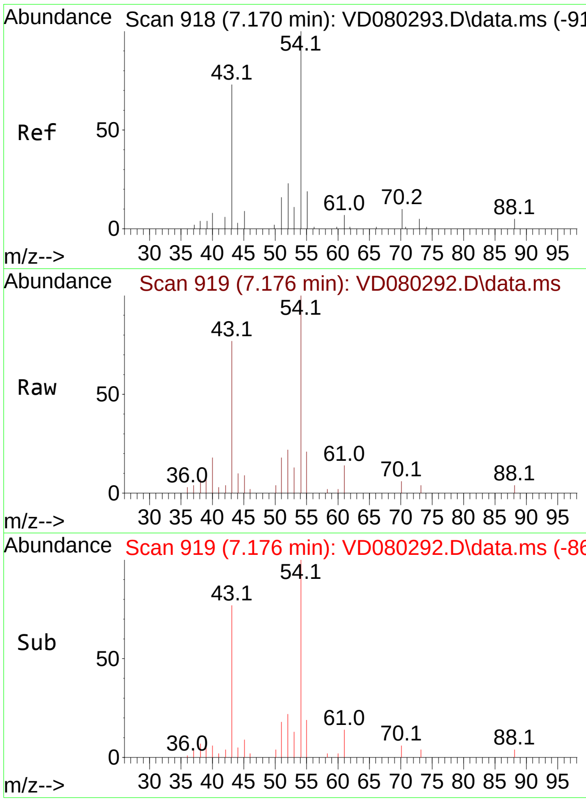


#36
1,1-Dichloropropene
Concen: 20.158 ug/l
RT: 8.006 min   Scan# 1060
Delta R.T.   -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion: 75 Resp: 40103

Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.1	51.2
77	33.3	24.9	37.3





#37
Ethyl Acetate
Concen: 20.672 ug/l
RT: 7.176 min   Scan# 91
Delta R.T.   0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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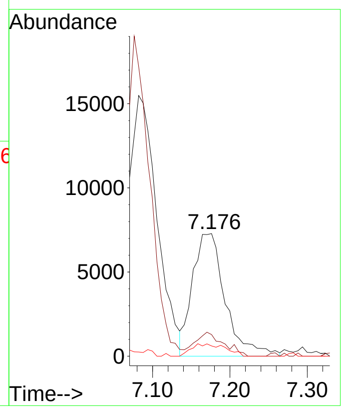
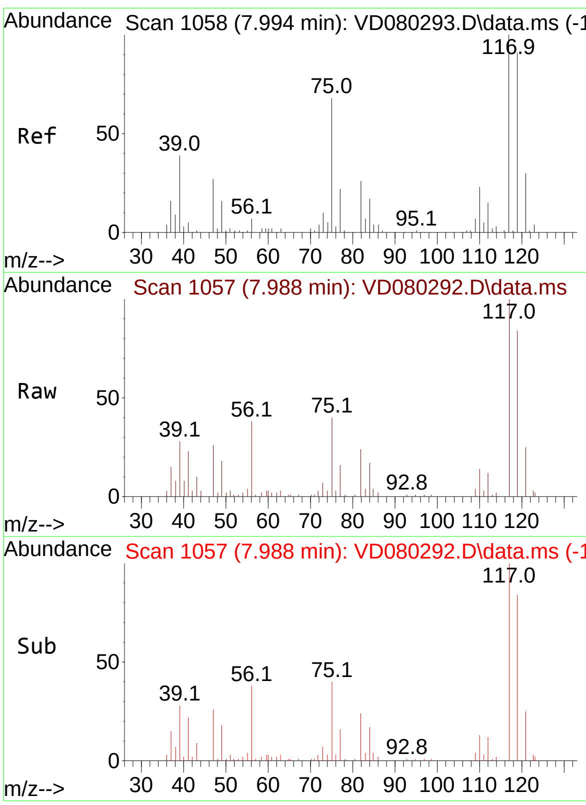
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

Tgt Ion: 43 Resp: 2144

Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.2	18.4
70	10.4	8.7	13.1

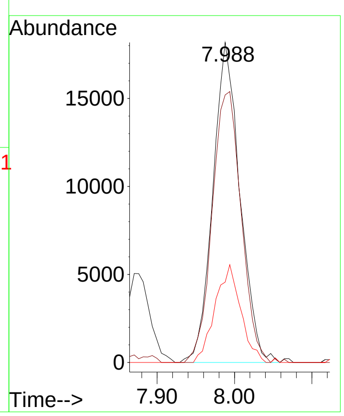


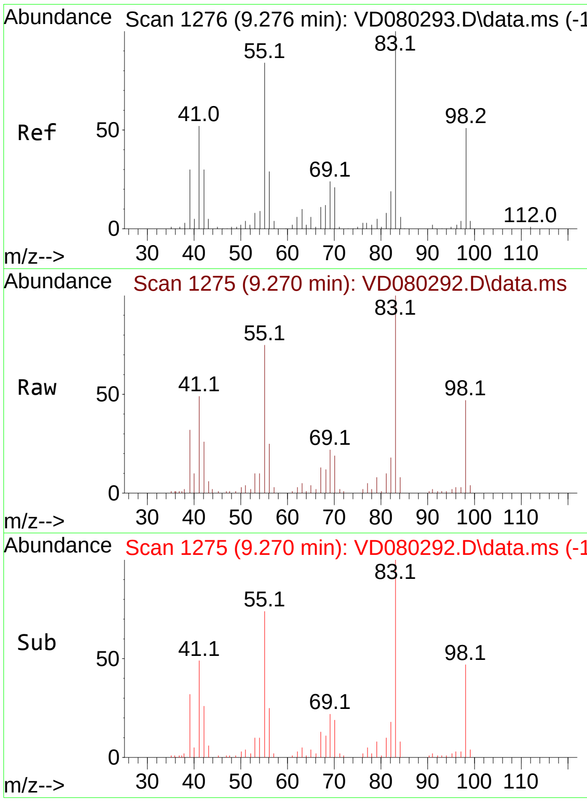


#38
Carbon Tetrachloride
Concen: 21.391 ug/l
RT: 7.988 min   Scan# 1057
Delta R.T.   -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion:117 Resp: 44381

Ion	Ratio	Lower	Upper
117	100		
119	83.6	72.7	109.1
121	25.1	24.4	36.6





#39
Methylcyclohexane
Concen: 19.840 ug/l
RT: 9.270 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 4579

Ion	Ratio	Lower	Upper
83	100		
55	73.8	67.4	101.2
98	47.5	40.6	61.0

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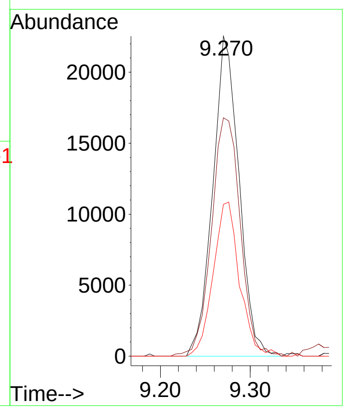
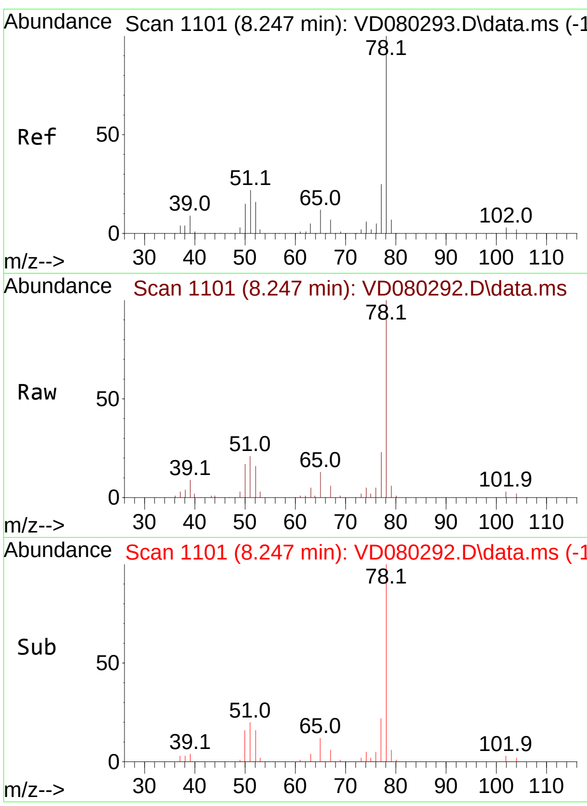
Supervised By :Semsettin Yesilyurt 05/07/2025

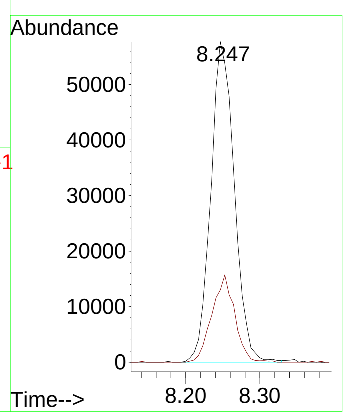




#40
Benzene
Concen: 20.504 ug/l
RT: 8.247 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 78 Resp: 127807

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.8	29.8



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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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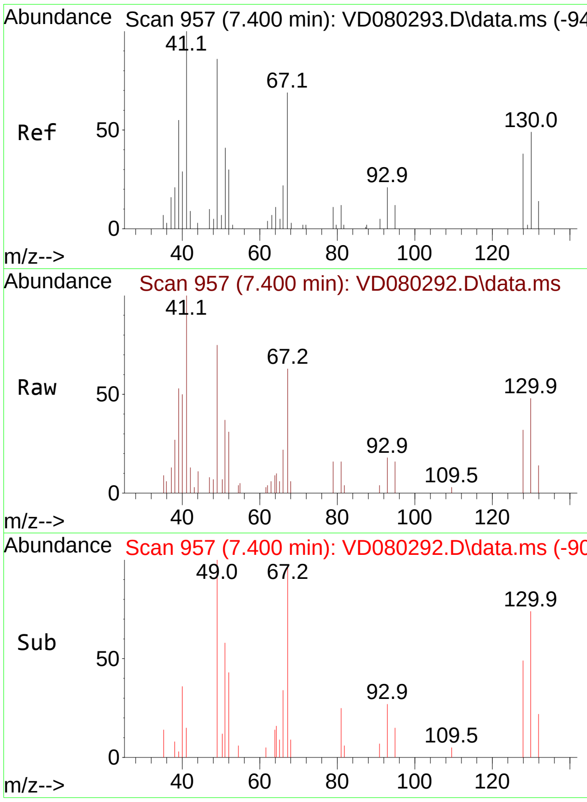
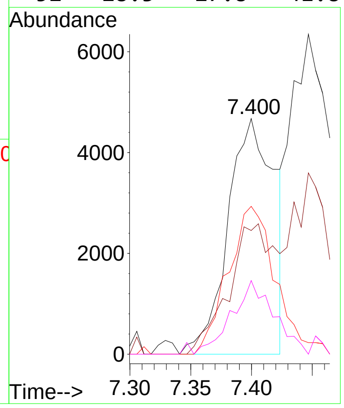
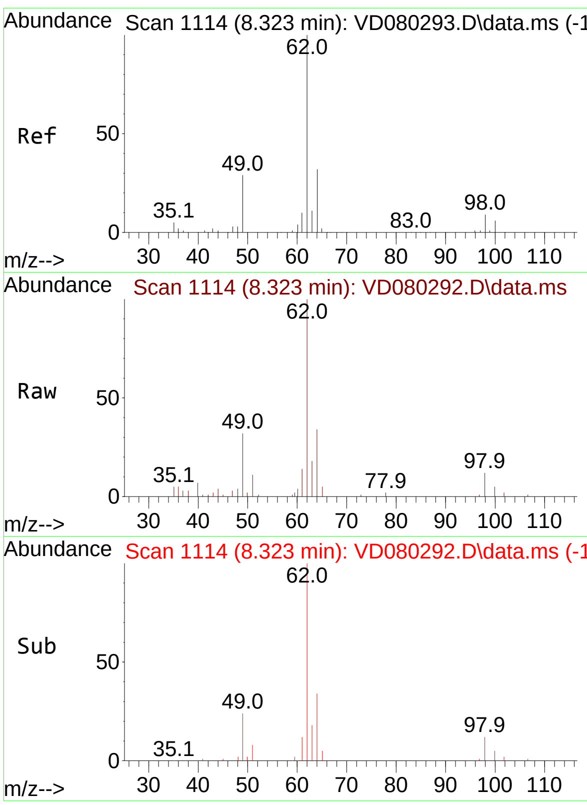


#41
Methacrylonitrile
Concen: 21.534 ug/l
RT: 7.400 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 41 Resp: 1239

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.4	66.6
67	64.4	57.1	85.7
52	28.3	27.8	41.8

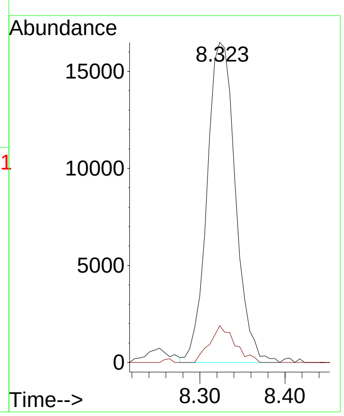




#42
1,2-Dichloroethane
Concen: 21.207 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 62 Resp: 38305

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2



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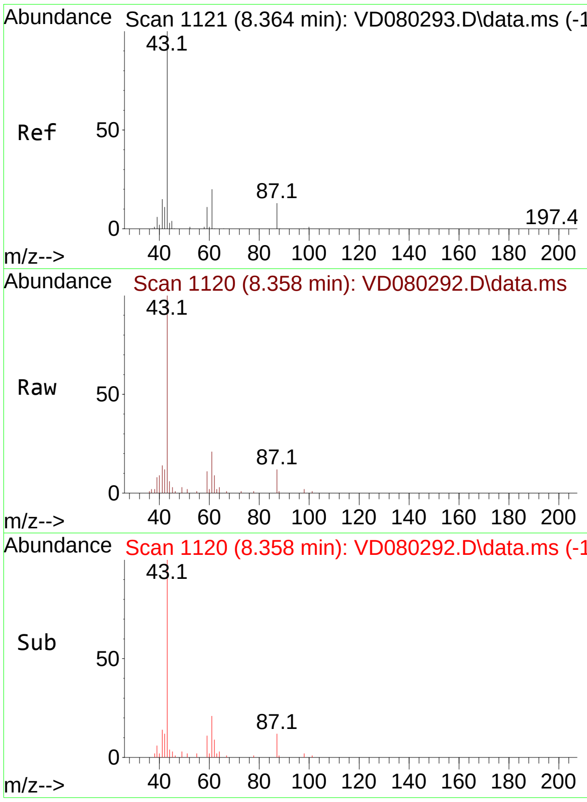

#43
Isopropyl Acetate
Concen: 20.329 ug/l
RT: 8.358 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 3834

Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.7	25.1
87	12.1	10.4	15.6

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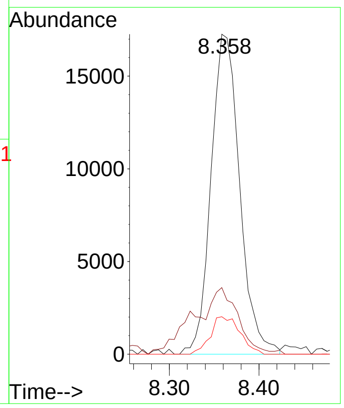
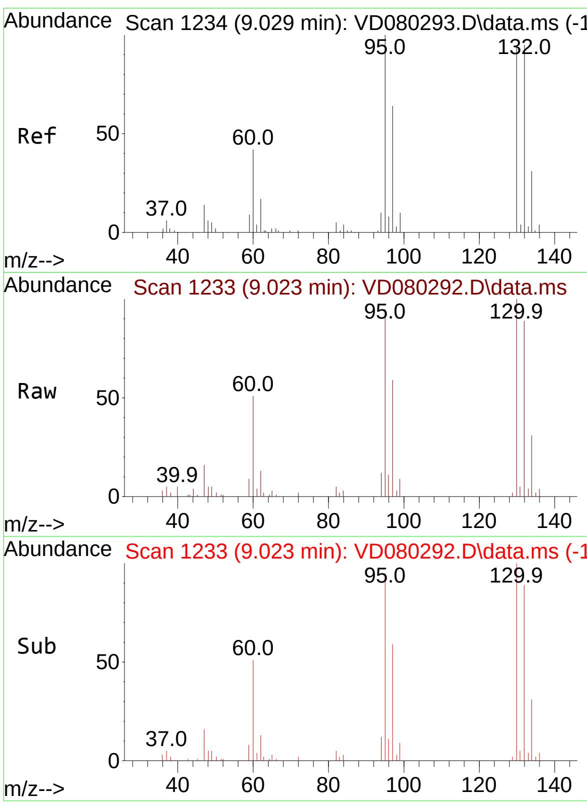
Supervised By :Semsettin Yesilyurt   05/07/2025

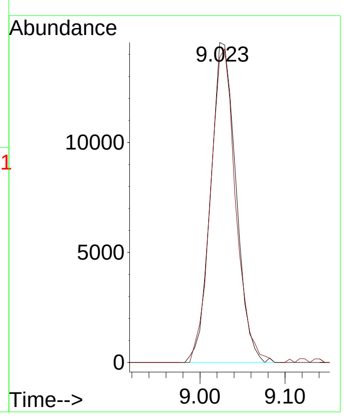




#44
Trichloroethene
Concen: 20.753 ug/l
RT: 9.023 min   Scan# 1233
Delta R.T.   -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion:130 Resp: 30029

Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	212.2



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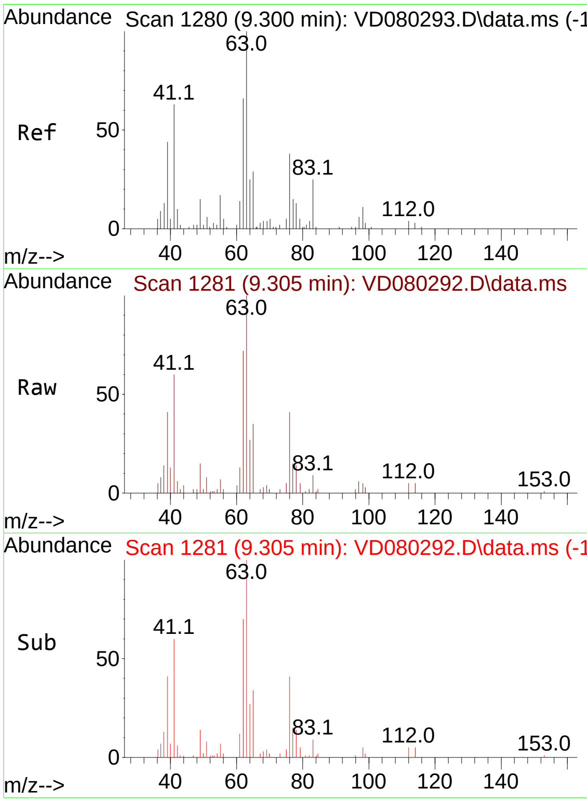

#45
1,2-Dichloropropane
Concen: 20.651 ug/l
RT: 9.305 min   Scan# 1
Delta R.T.   0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 3301

Ion	Ratio	Lower	Upper
63	100		
65	35.4	22.9	34.3

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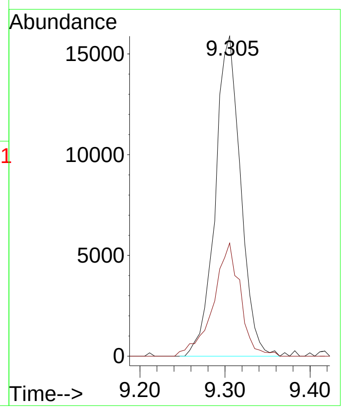
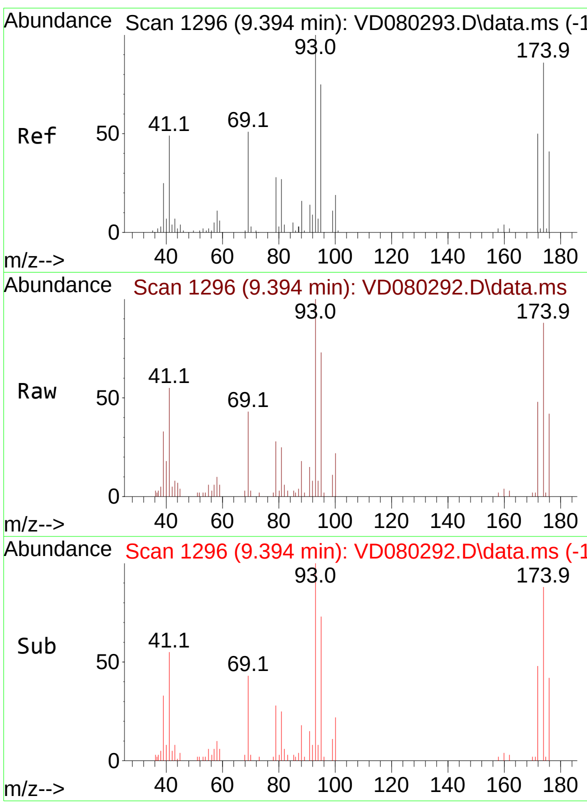
Supervised By :Semsettin Yesilyurt   05/07/2025

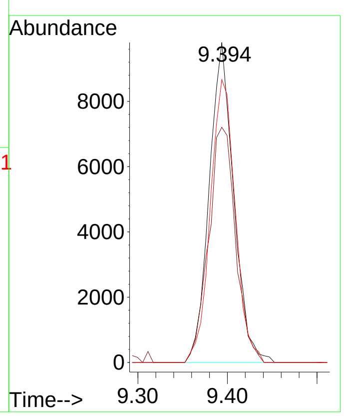




#46
Dibromomethane
Concen: 21.348 ug/l
RT: 9.394 min   Scan# 1296
Delta R.T.   -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion: 93 Resp: 18581

Ion	Ratio	Lower	Upper
93	100		
95	81.0	67.3	100.9
174	89.8	75.5	113.3



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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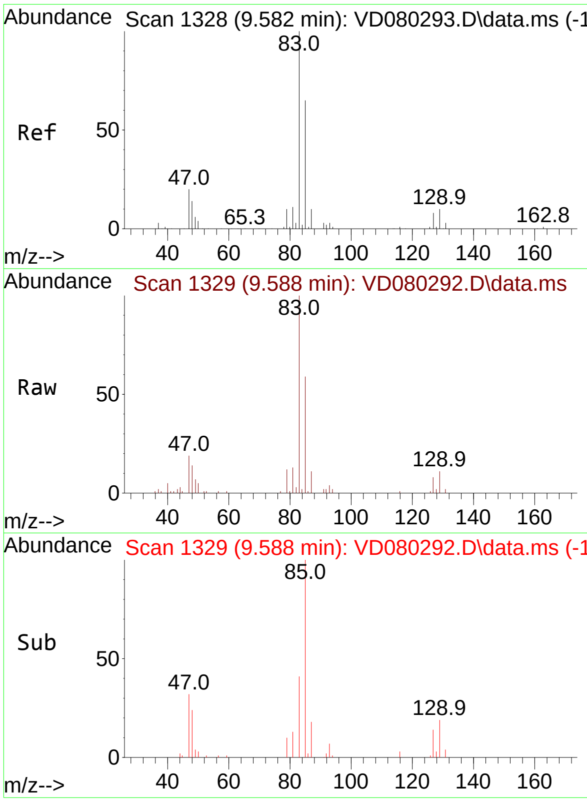
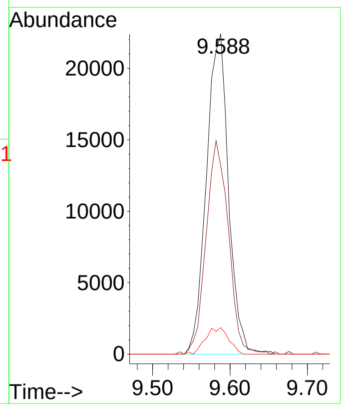
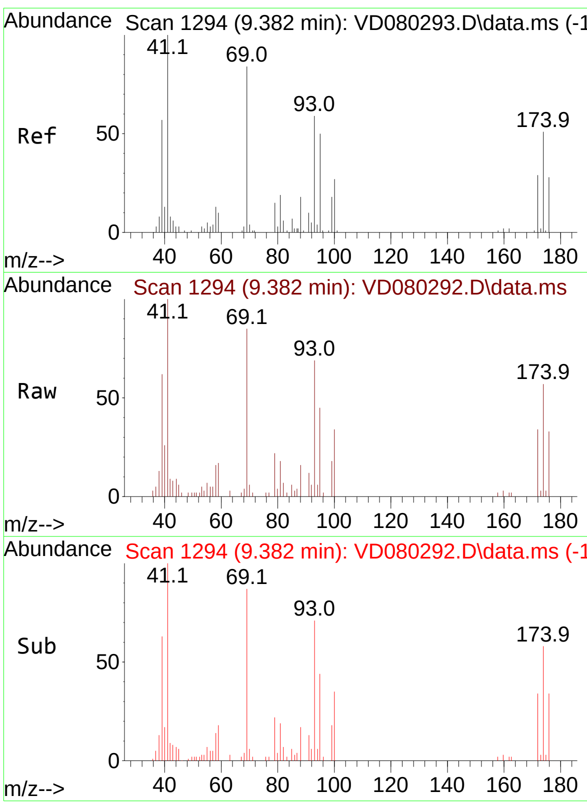


#47
Bromodichloromethane
Concen: 20.252 ug/l
RT: 9.588 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 83 Resp: 4474

Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.7	77.5
127	8.3	6.6	9.8

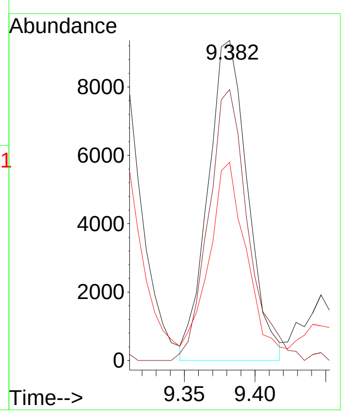


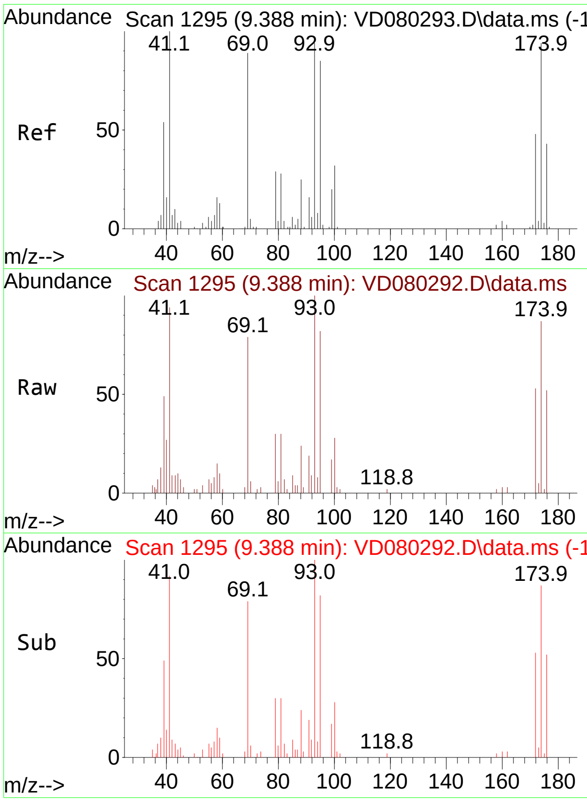


#48
Methyl methacrylate
Concen: 20.319 ug/l m
RT: 9.382 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 41 Resp: 18212

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	52.7	47.5	71.3





#49
1,4-Dioxane
Concen: 423.258 ug/l
RT: 9.388 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 88 Resp: 438

Ion	Ratio	Lower	Upper
88	100		
43	45.1	31.4	47.2
58	76.5	61.8	92.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
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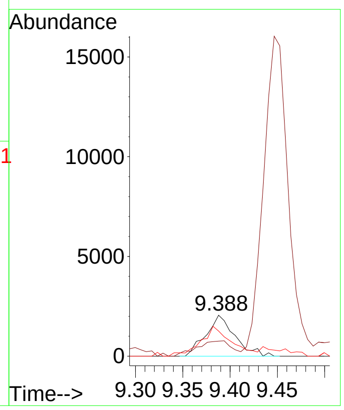
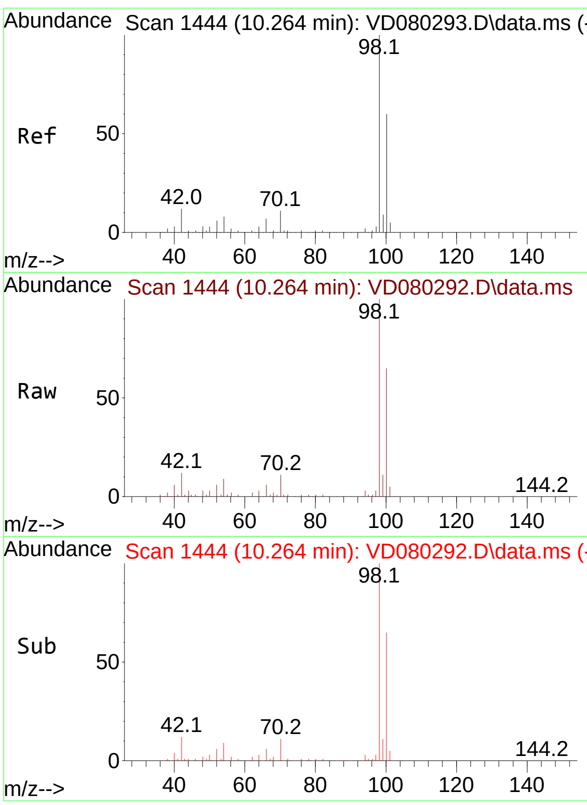
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

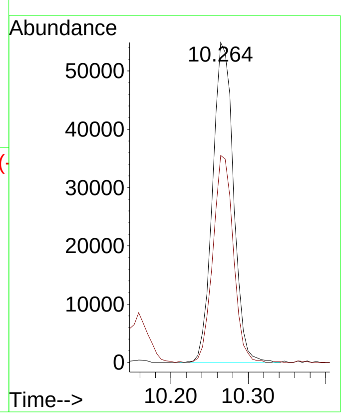


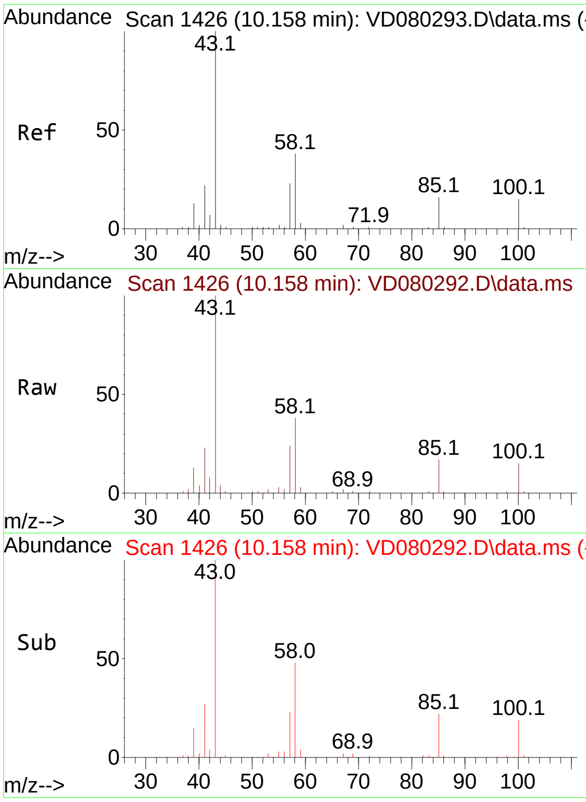


#50
Toluene-d8
Concen: 19.679 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 98 Resp: 103213

Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.0	75.0





#51
4-Methyl-2-Pentanone
Concen: 105.020 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 10207

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.6	46.0

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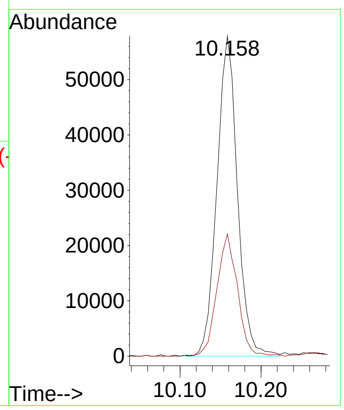
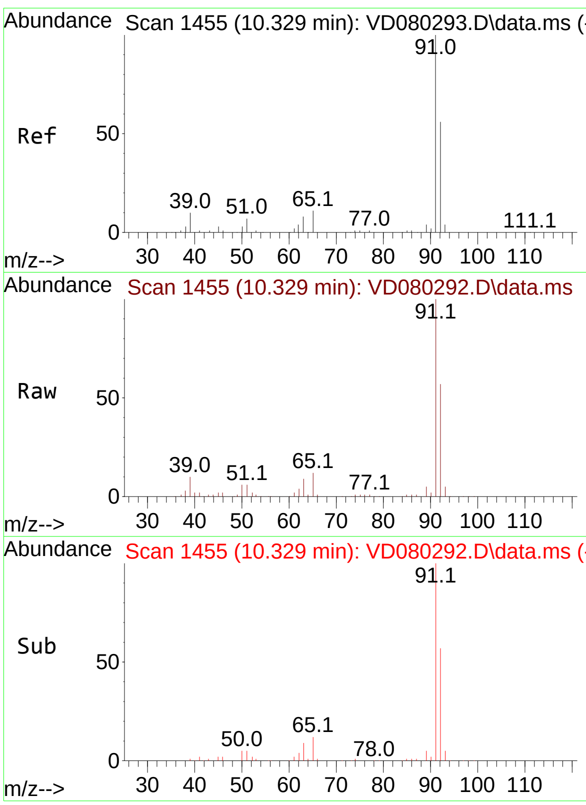
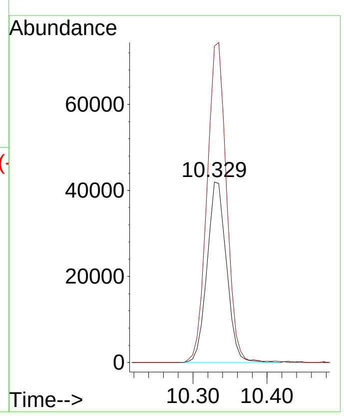




#52
Toluene
Concen: 20.339 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 92 Resp: 76380

Ion	Ratio	Lower	Upper
92	100		
91	177.7	143.4	215.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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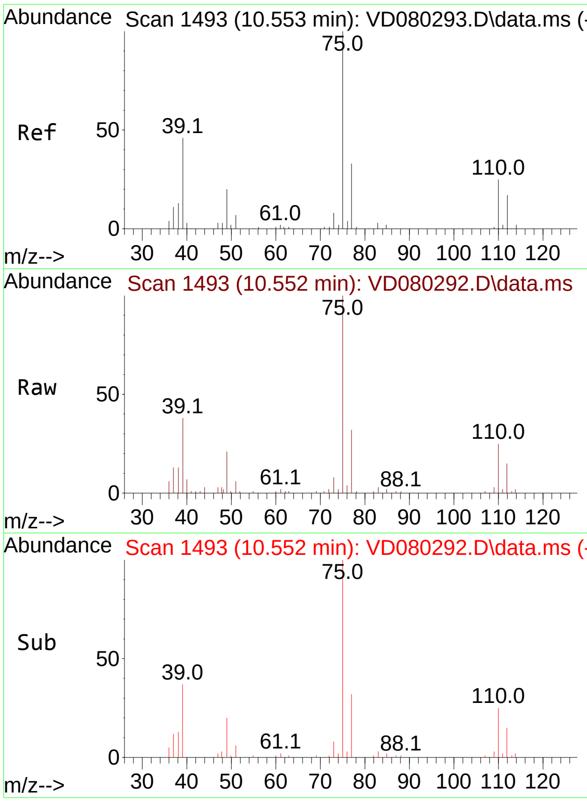
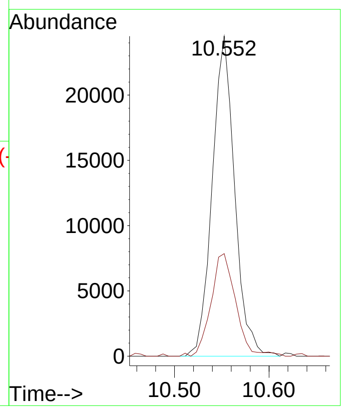
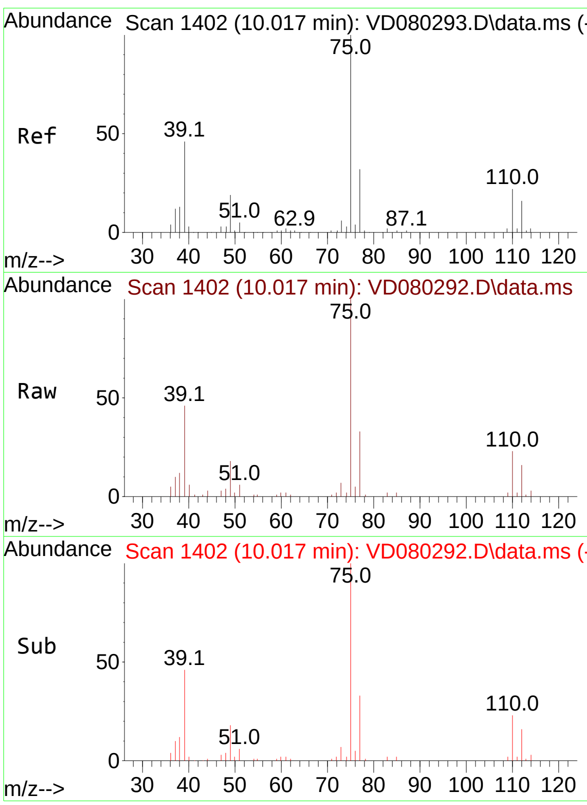



```
#53
t-1,3-Dichloropropene
Concen:   20.076 ug/l
RT:  10.552 min   Scan# 14
Delta R.T.   -0.000 min
Lab File:    VD080292.D
Acq: 06 May  2025   14:23

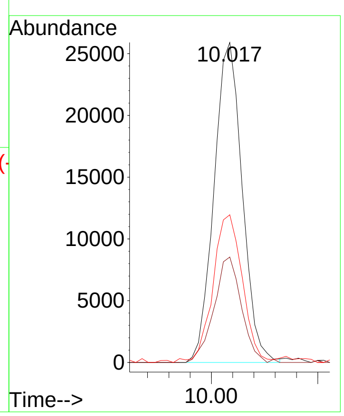
Tgt Ion: 75 Resp:   4043
Ion   Ratio   Lower   Upper
 75   100
 77    32.1    26.0    39.0
```






```
#54
cis-1,3-Dichloropropene
Concen:   20.475 ug/l
RT:  10.017 min   Scan# 1402
Delta R.T.   -0.000 min
Lab File:    VD080292.D
Acq: 06 May  2025   14:23

Tgt Ion: 75 Resp:    47786
Ion   Ratio   Lower   Upper
 75   100
 77    32.9    25.8    38.6
 39    45.0    37.0    55.6
```



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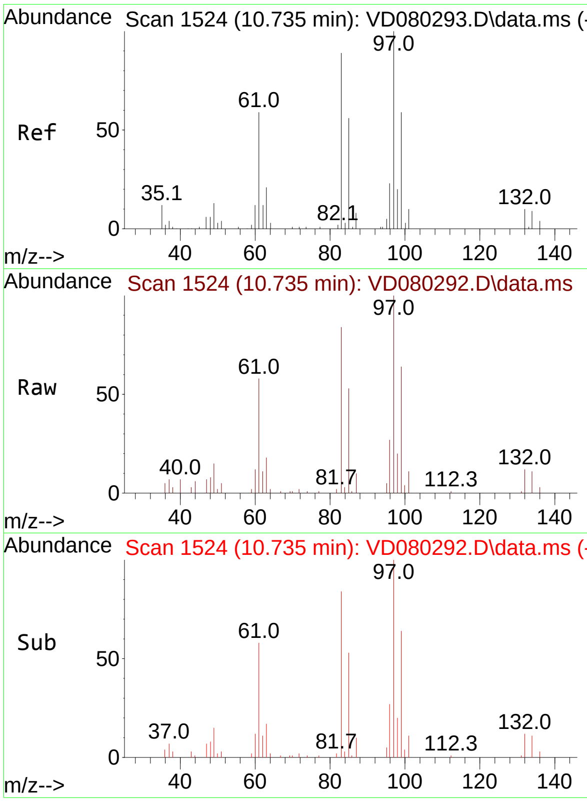


#55
1,1,2-Trichloroethane
Concen: 20.446 ug/l
RT: 10.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

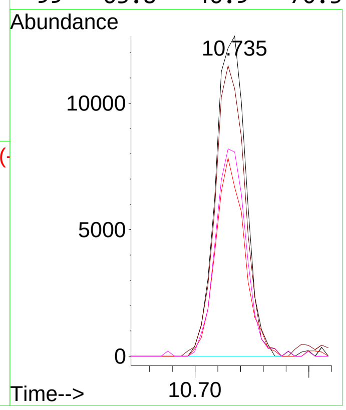
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

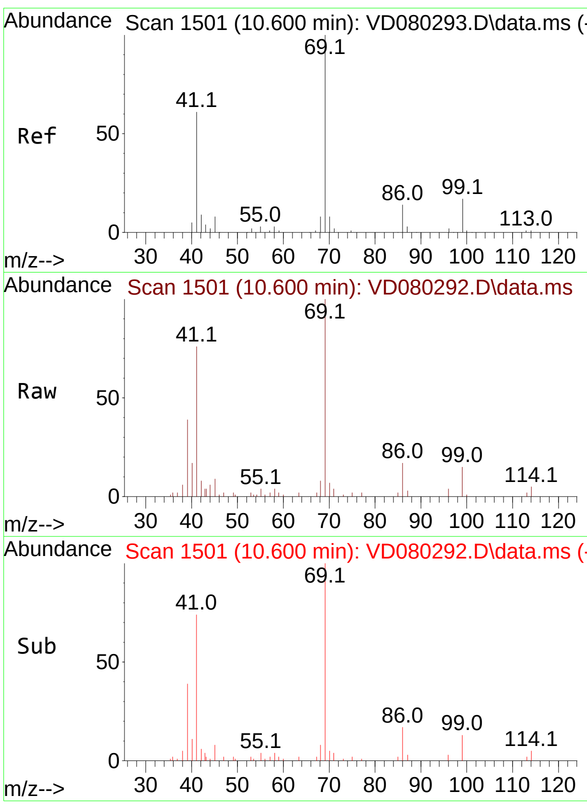
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 97 Resp: 2354

Ion	Ratio	Lower	Upper
97	100		
83	83.5	71.0	106.4
85	52.8	44.9	67.3
99	63.8	46.9	70.3

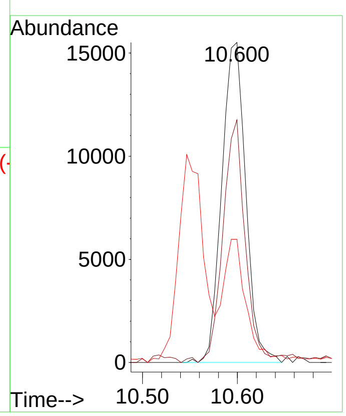


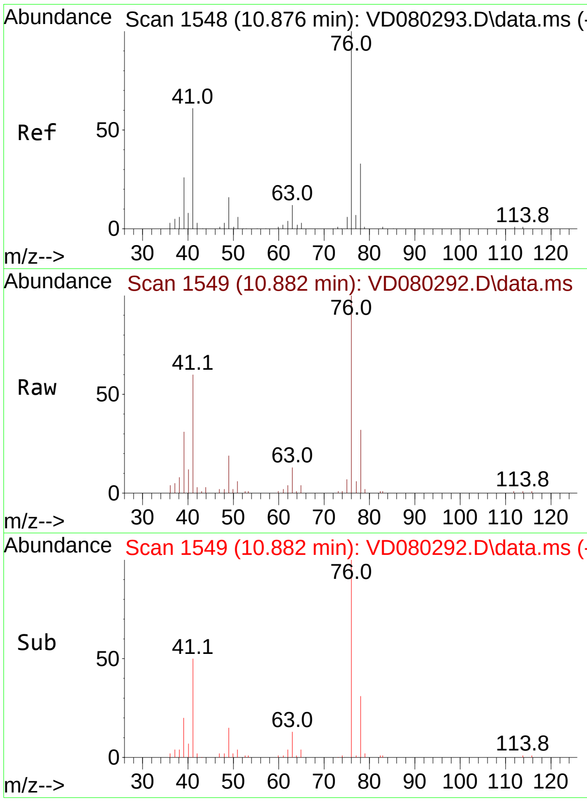


#56
Ethyl methacrylate
Concen: 19.610 ug/l
RT: 10.600 min Scan# 1501
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 69 Resp: 27358

Ion	Ratio	Lower	Upper
69	100		
41	70.0	53.2	79.8
39	35.0	28.2	42.2





#57
1,3-Dichloropropane
Concen: 20.761 ug/l
RT: 10.882 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 76 Resp: 3972

Ion	Ratio	Lower	Upper
76	100		
78	33.4	27.2	40.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
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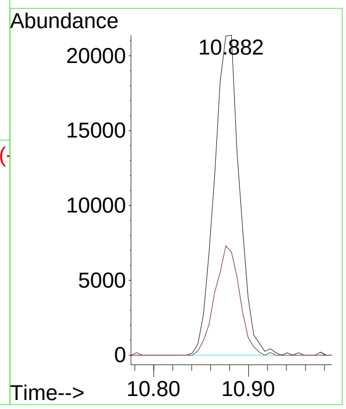
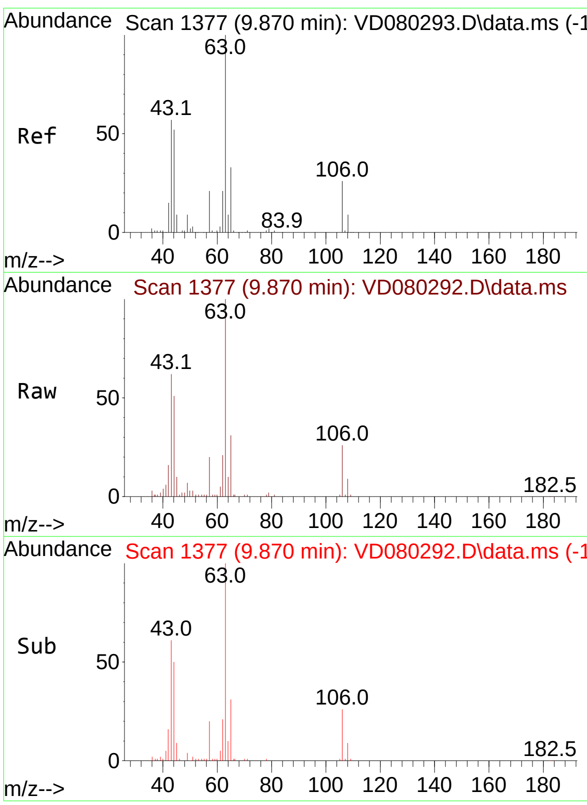
Supervised By :Semsettin Yesilyurt 05/07/2025

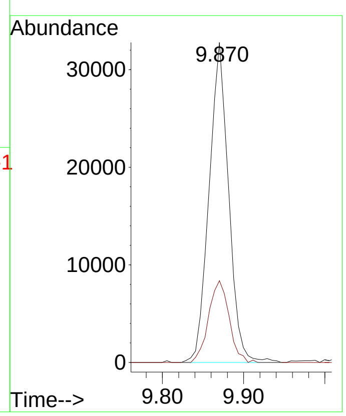




#58
2-Chloroethyl Vinyl ether
Concen: 95.966 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 63 Resp: 54791

Ion	Ratio	Lower	Upper
63	100		
106	26.8	20.8	31.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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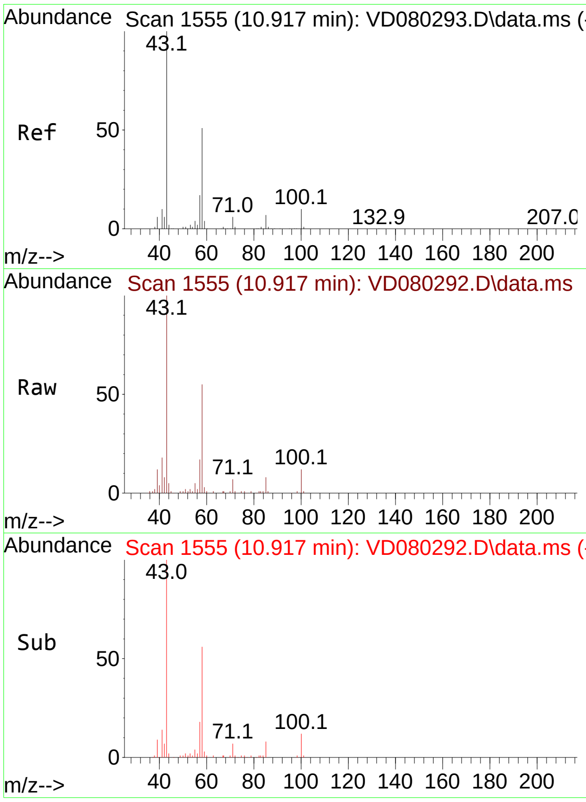
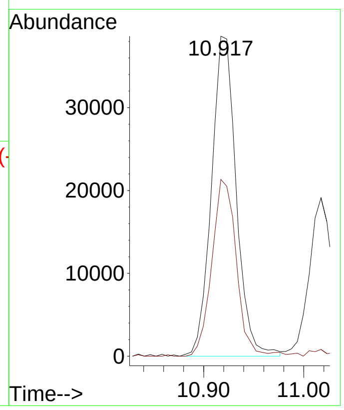
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

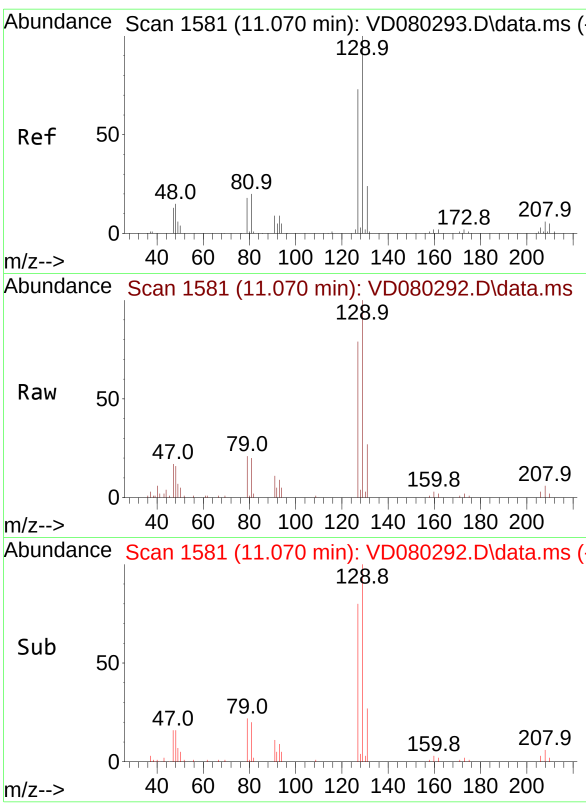


#59
2-Hexanone
Concen: 99.577 ug/l
RT: 10.917 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 43 Resp: 6657

Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.3	78.9

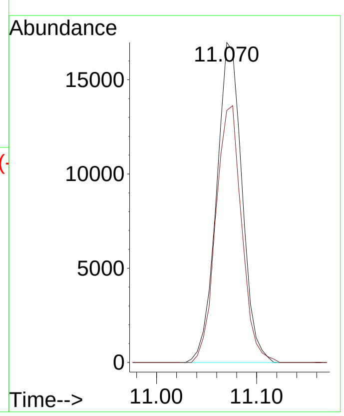


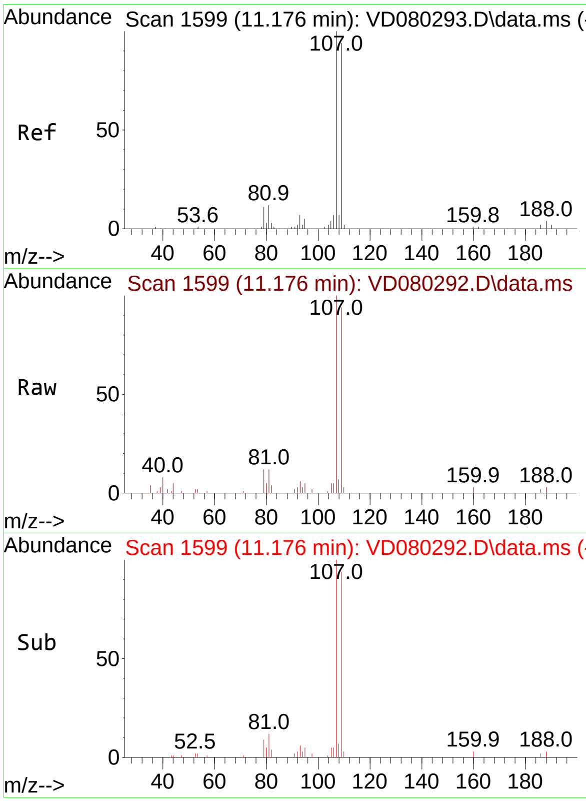


#60
Dibromochloromethane
Concen: 20.848 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:129 Resp: 30081

Ion	Ratio	Lower	Upper
129	100		
127	81.3	37.6	112.8





#61
1,2-Dibromoethane
Concen: 21.801 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 2327

Ion	Ratio	Lower	Upper
107	100		
109	88.6	74.8	112.2

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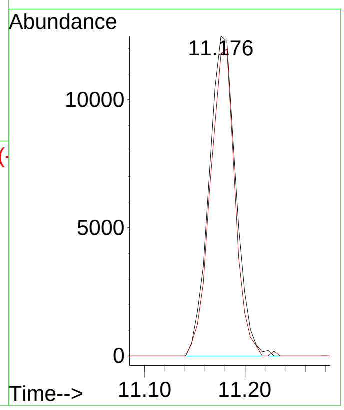
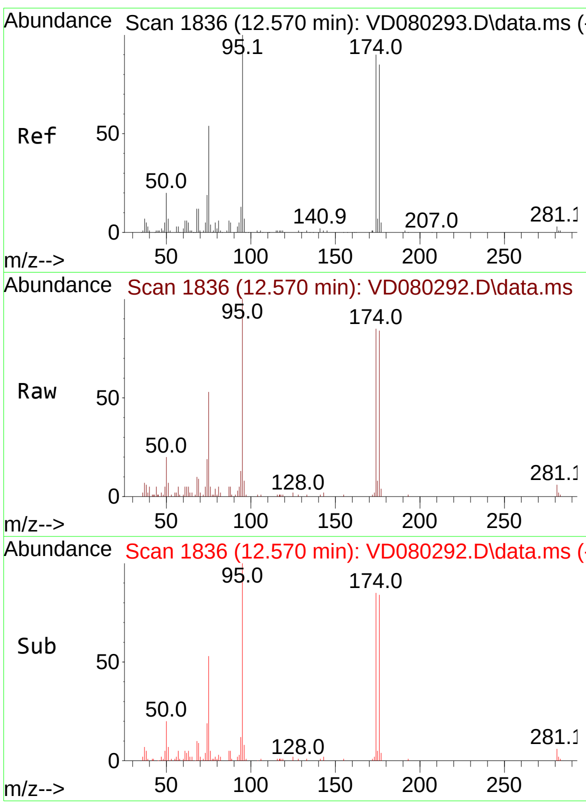
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

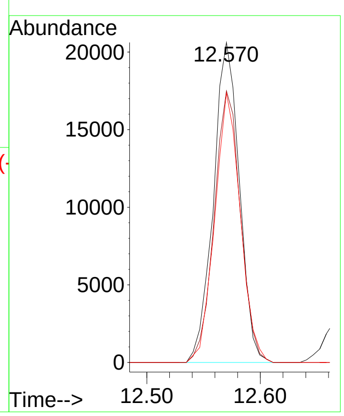


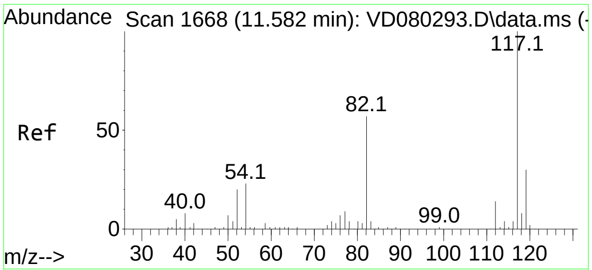


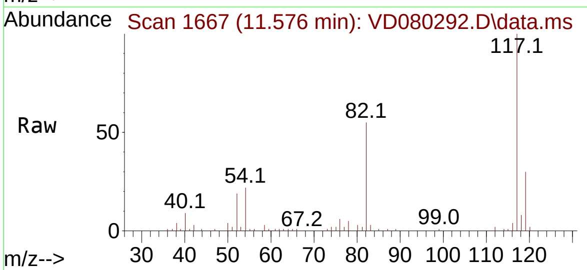
#62
4-Bromofluorobenzene
Concen: 19.519 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

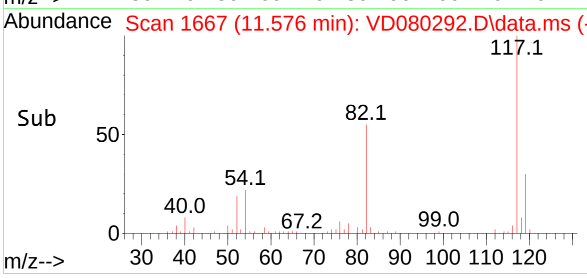
Tgt Ion: 95 Resp: 32858

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	170.0
176	83.0	0.0	167.8









#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 1
Delta R.T.   -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 18715

Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.5	68.3
119	30.4	24.0	36.0

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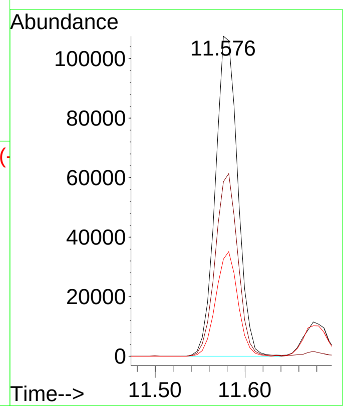
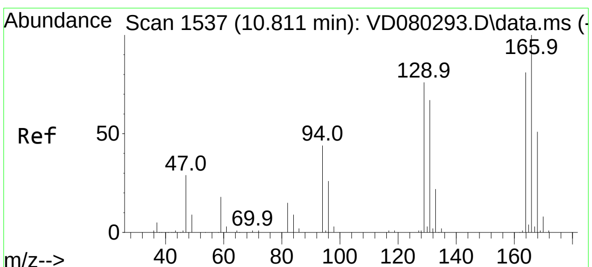
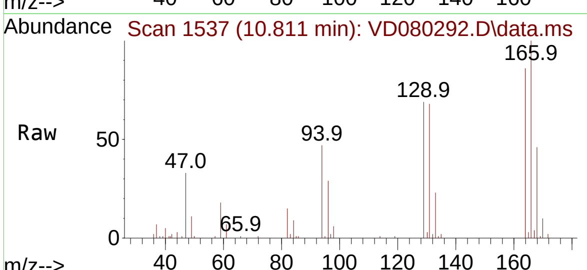
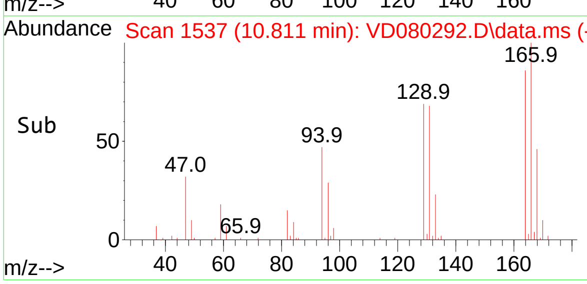
Supervised By :Semsettin Yesilyurt   05/07/2025





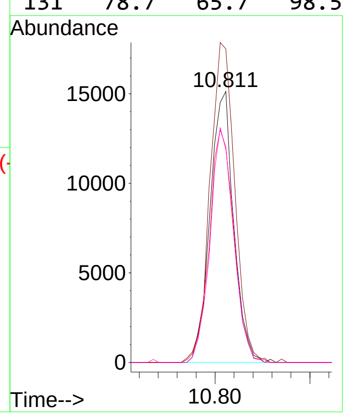


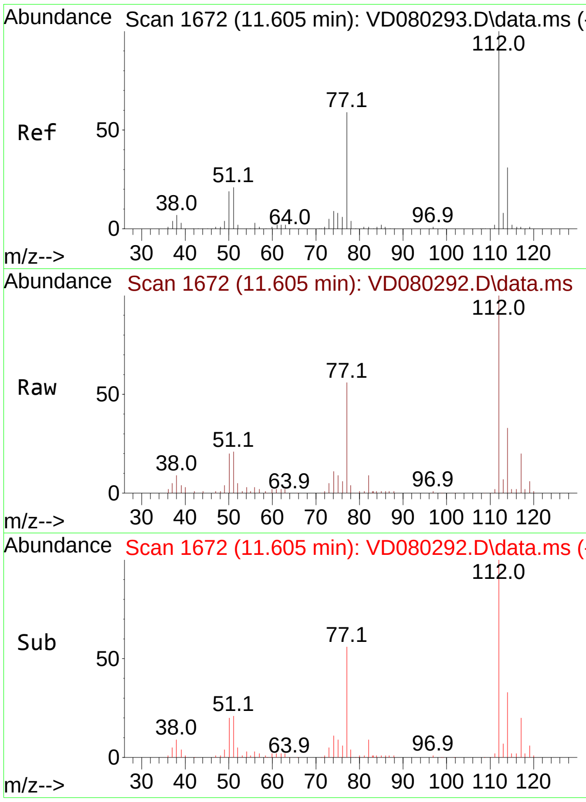


#64
Tetrachloroethene
Concen: 20.776 ug/l
RT: 10.811 min Scan# 1537
Delta R.T.   -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:164 Resp: 26331

Ion	Ratio	Lower	Upper
164	100		
166	115.7	98.2	147.2
129	79.5	74.6	111.8
131	78.7	65.7	98.5





#65
Chlorobenzene
Concen: 20.018 ug/l
RT: 11.605 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:112 Resp: 8459

Ion	Ratio	Lower	Upper
112	100		
114	33.0	24.4	36.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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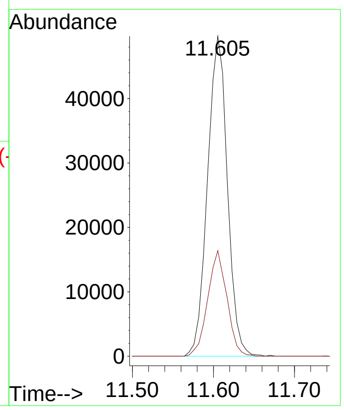
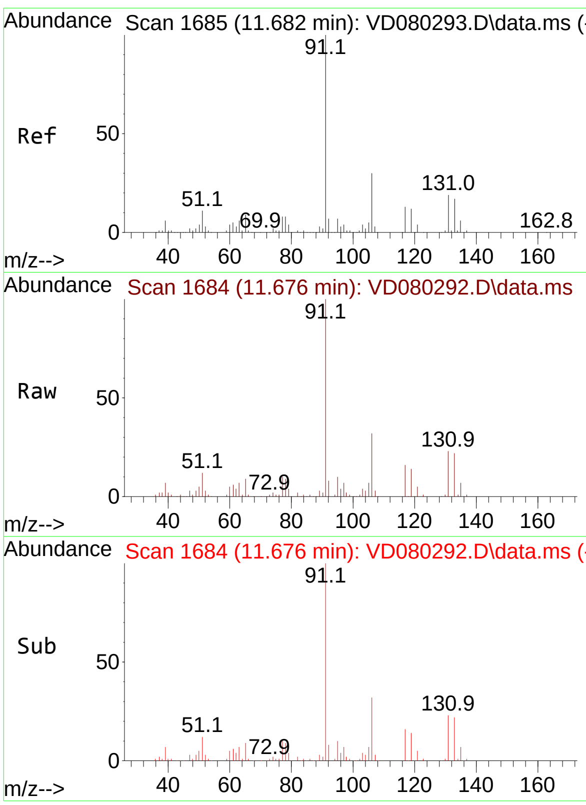
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

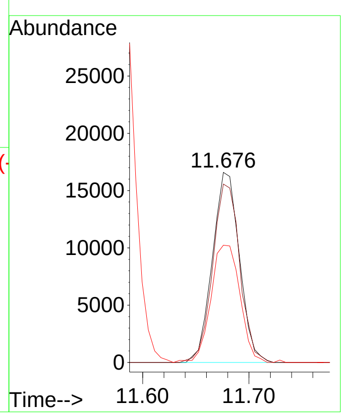


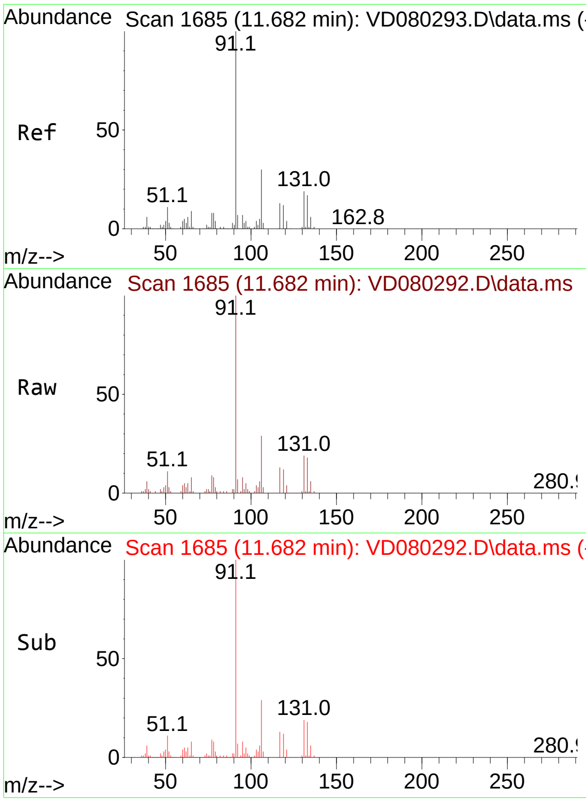


#66
1,1,1,2-Tetrachloroethane
Concen: 20.174 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:131 Resp: 29290

Ion	Ratio	Lower	Upper
131	100		
133	94.3	46.8	140.3
119	66.5	33.1	99.2





#67
Ethyl Benzene
Concen: 19.754 ug/l
RT: 11.682 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 91 Resp: 13950
Ion Ratio Lower Upper
91 100
106 29.1 23.9 35.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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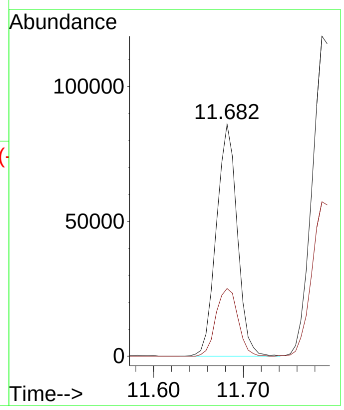
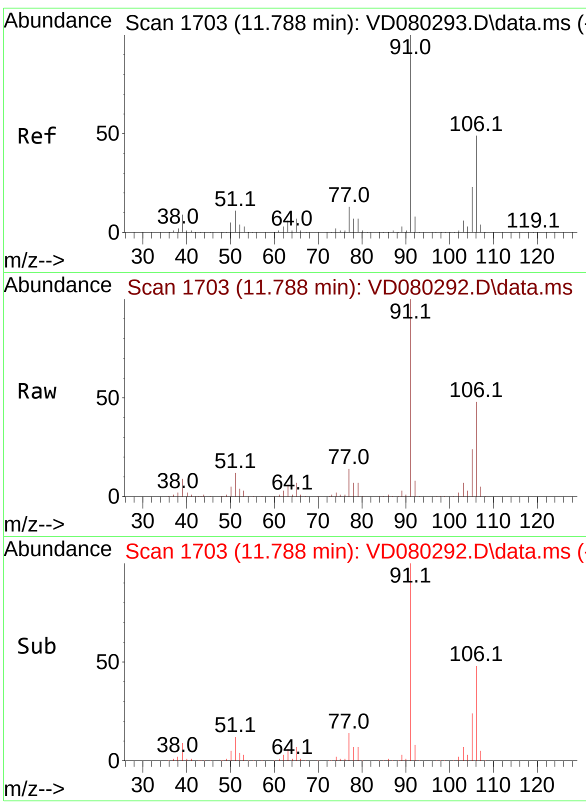
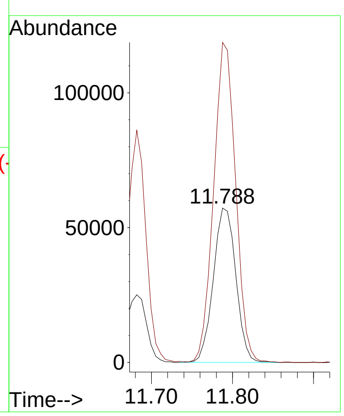
Supervised By :Semsettin Yesilyurt 05/07/2025





#68
m/p-Xylenes
Concen: 40.363 ug/l
RT: 11.788 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:106 Resp: 110674
Ion Ratio Lower Upper
106 100
91 202.5 164.1 246.1



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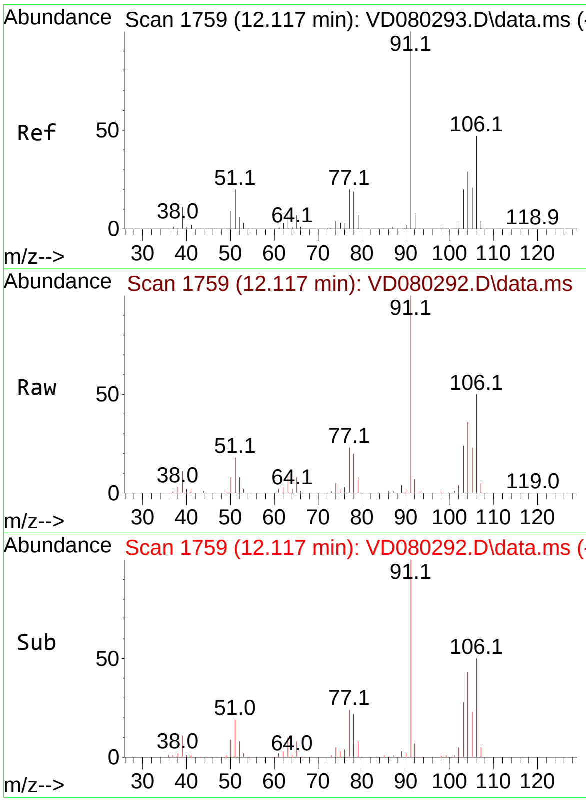

#69
o-Xylene
Concen: 19.383 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 4856

Ion	Ratio	Lower	Upper
106	100		
91	210.5	109.3	328.1

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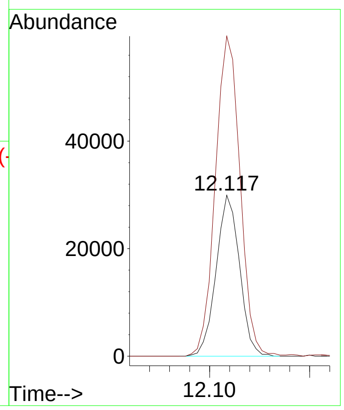
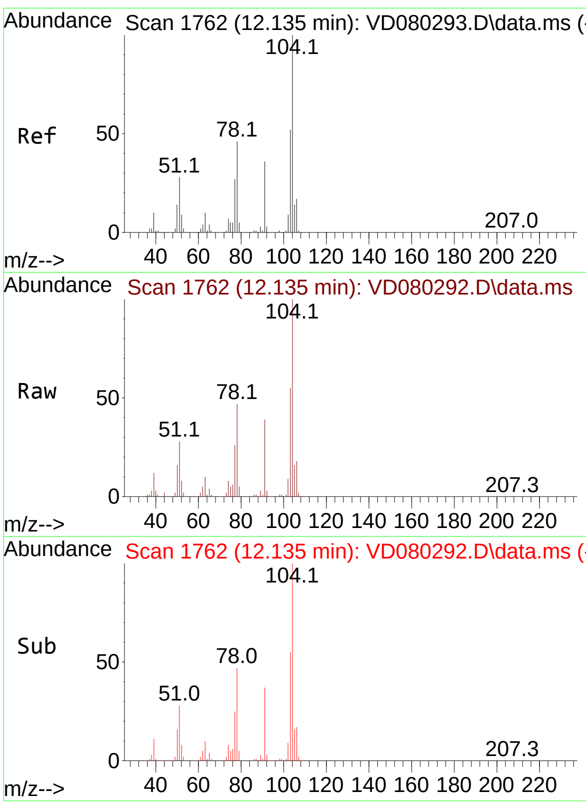
Supervised By :Semsettin Yesilyurt 05/07/2025

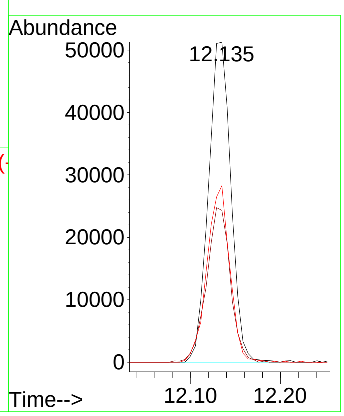




#70
Styrene
Concen: 19.965 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:104 Resp: 89828

Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.8	59.6
103	55.6	44.2	66.4



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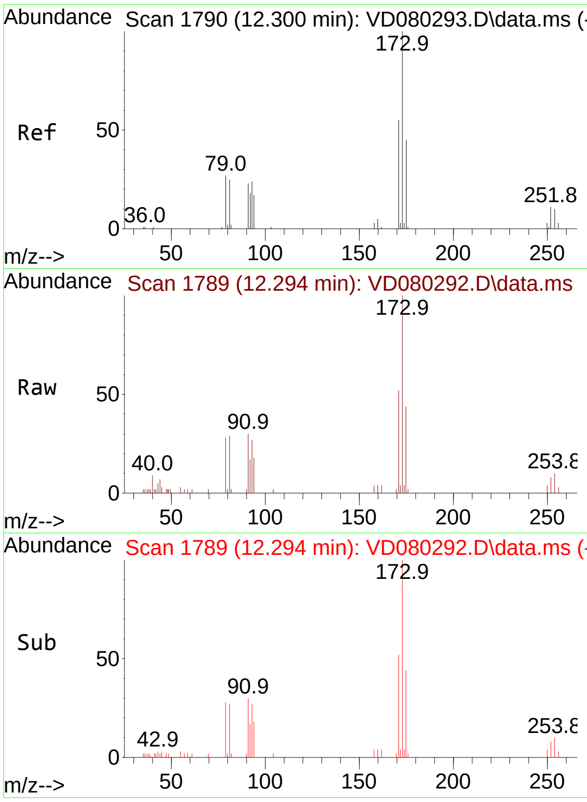

#71
Bromoform
Concen: 20.394 ug/l
RT: 12.294 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 1759

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.2
254	0.0	0.0	0.0

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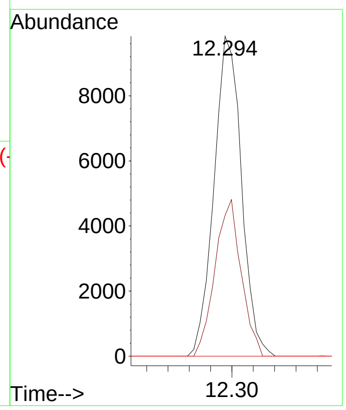
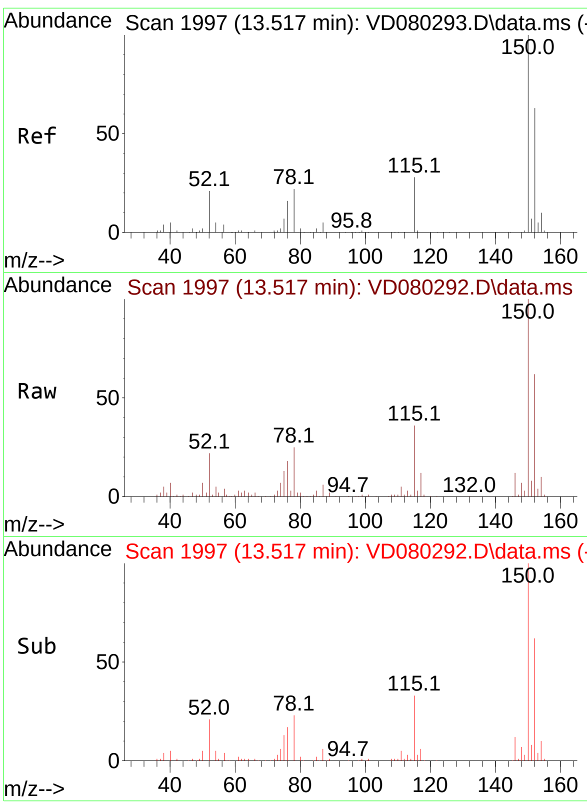
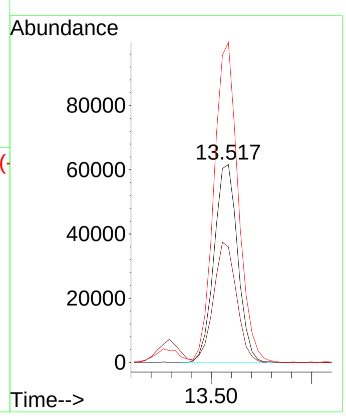




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:152 Resp: 100734

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.0	87.1
150	166.2	0.0	354.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

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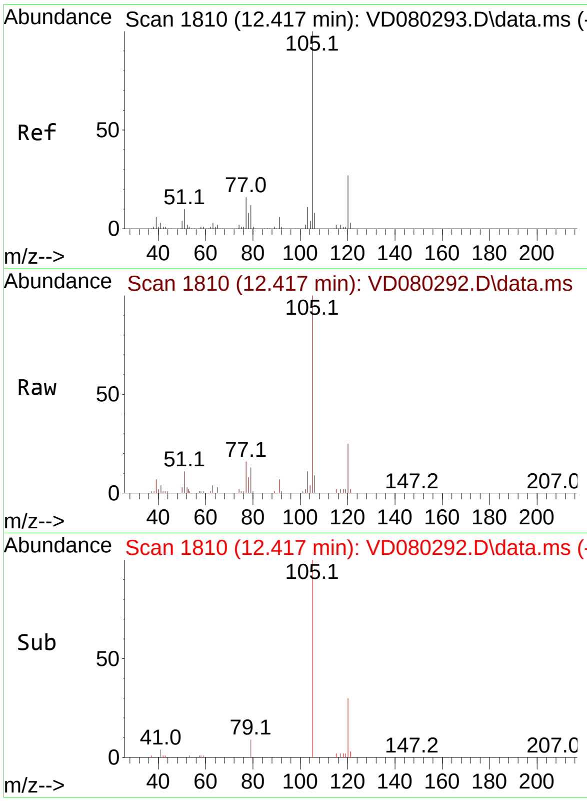
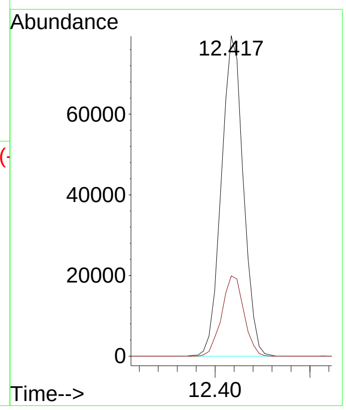
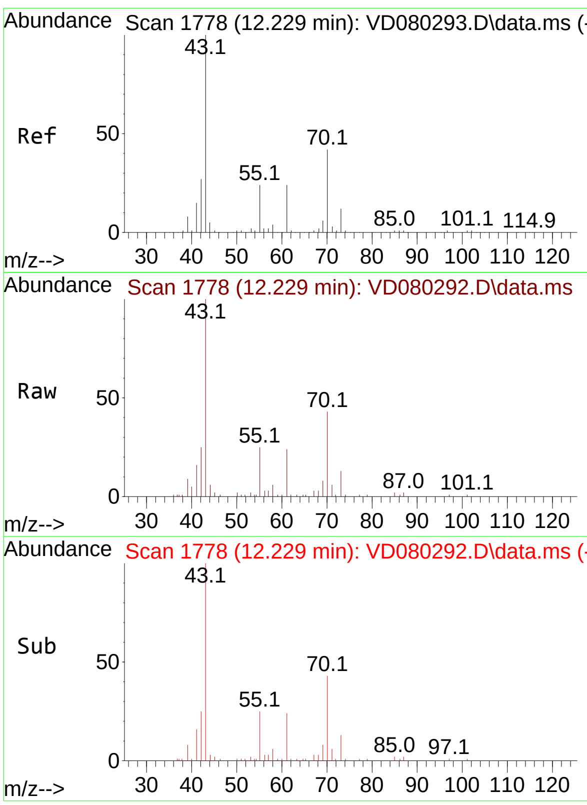


#73
Isopropylbenzene
Concen: 19.571 ug/l
RT: 12.417 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:105 Resp: 12788

Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.1	39.1

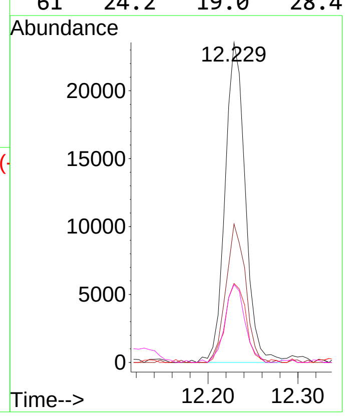




#74
N-amyl acetate
Concen: 19.706 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 43 Resp: 36957

Ion	Ratio	Lower	Upper
43	100		
70	41.9	33.8	50.8
55	25.1	20.8	31.2
61	24.2	19.0	28.4



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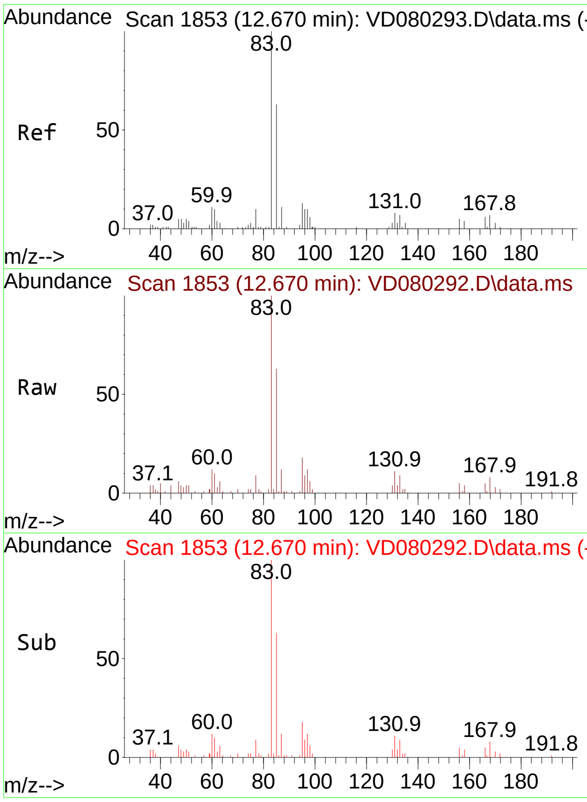

#75
1,1,2,2-Tetrachloroethane
Concen: 21.074 ug/l
RT: 12.670 min Scan# 18
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 30282

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.2	15.6
85	63.9	32.6	98.0

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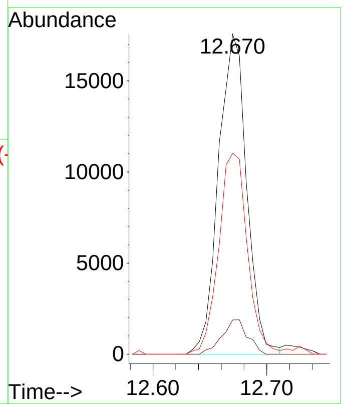
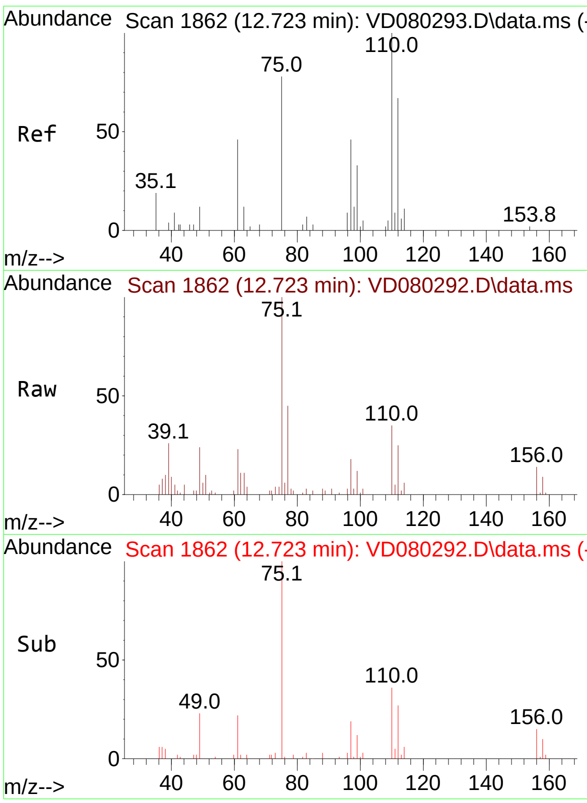
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

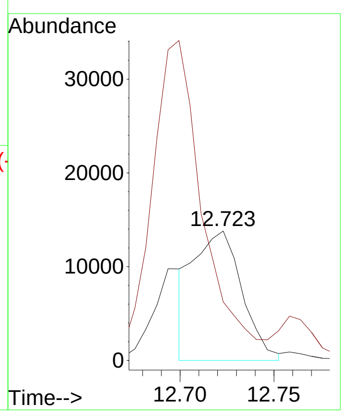




#76
1,2,3-Trichloropropane
Concen: 23.307 ug/l m
RT: 12.723 min Scan# 1862
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 75 Resp: 24910

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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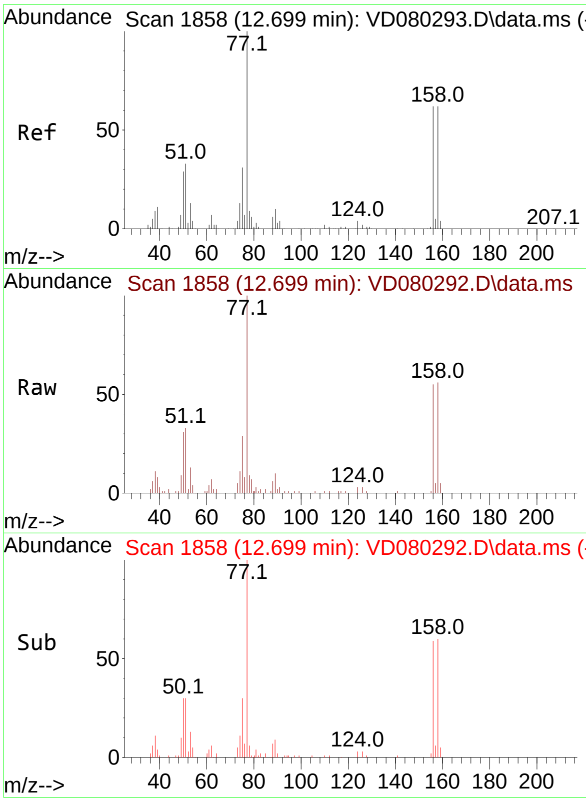

#77
Bromobenzene
Concen: 19.600 ug/l
RT: 12.699 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 3322

Ion	Ratio	Lower	Upper
156	100		
77	195.5	91.6	274.8
158	93.7	47.4	142.2

Manual Integrations
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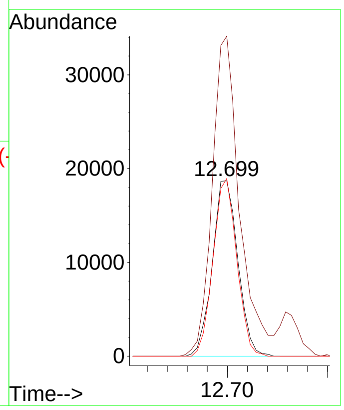
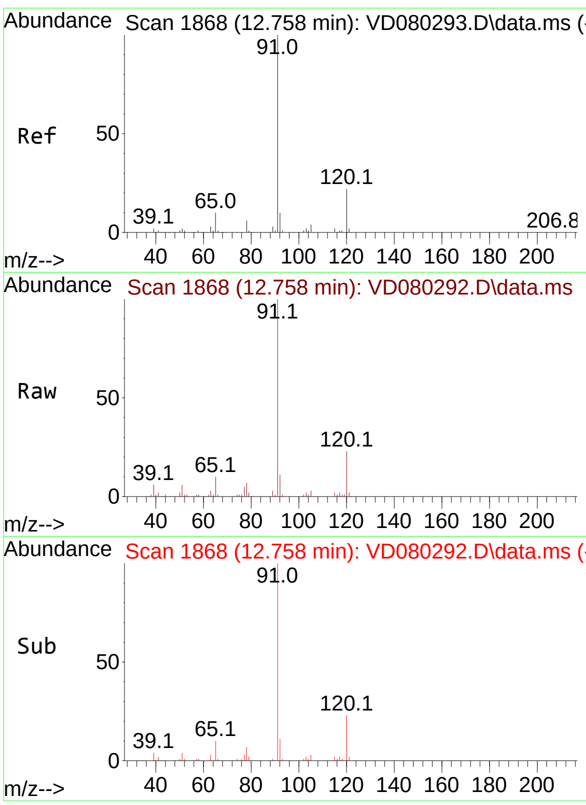
Supervised By :Semsettin Yesilyurt 05/07/2025

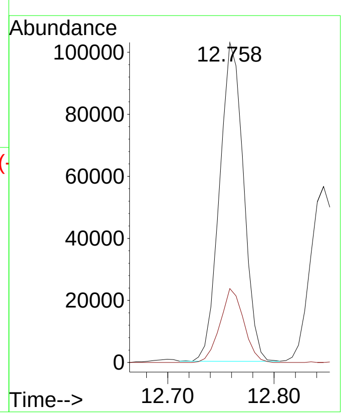


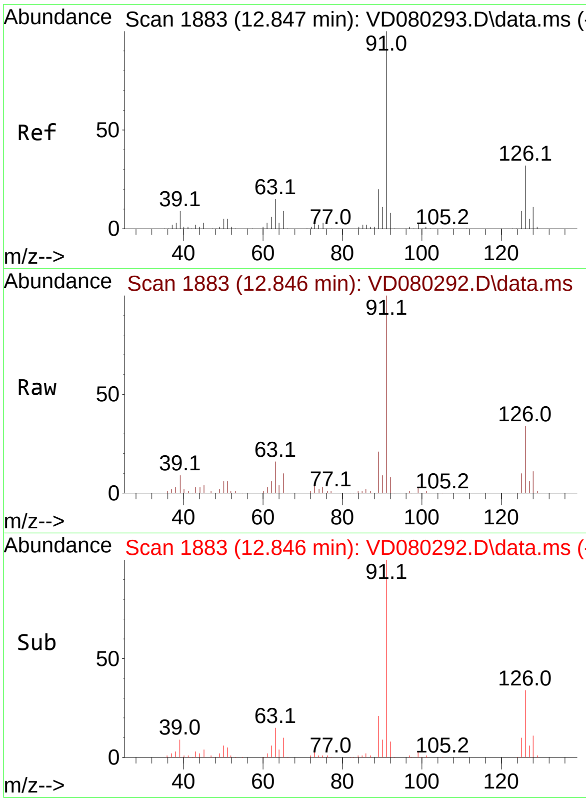


#78
n-propylbenzene
Concen: 19.681 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 91 Resp: 161385

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 19.937 ug/l
RT: 12.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 91 Resp: 9509

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
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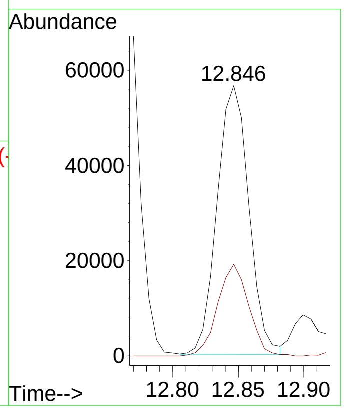
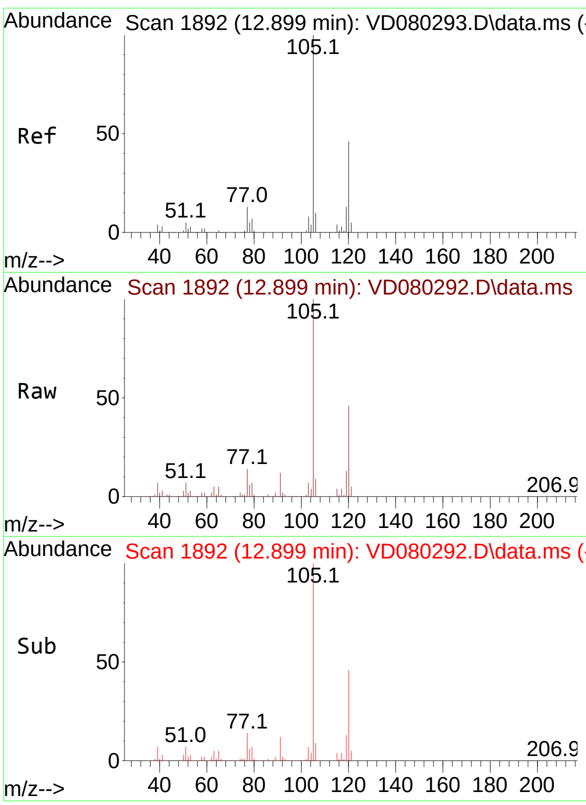
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

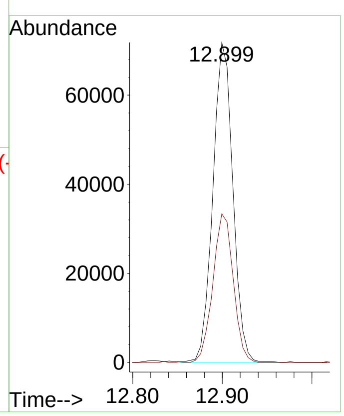




#80
1,3,5-Trimethylbenzene
Concen: 19.971 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:105 Resp: 111307

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.8

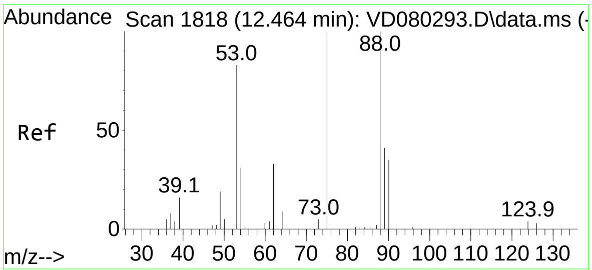


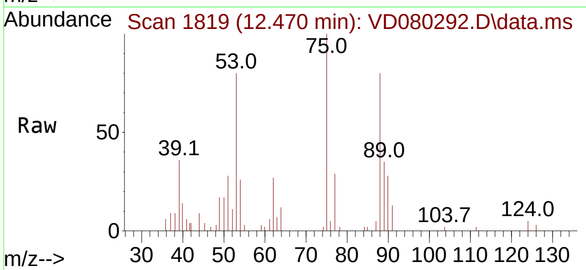
ICAL Form

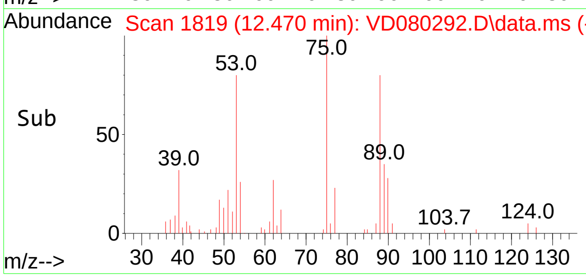
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



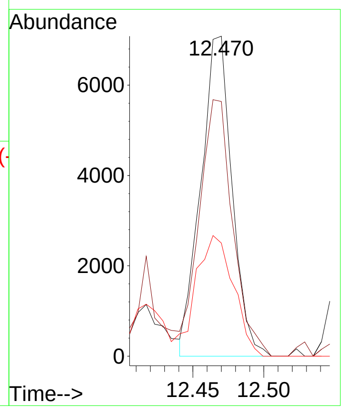


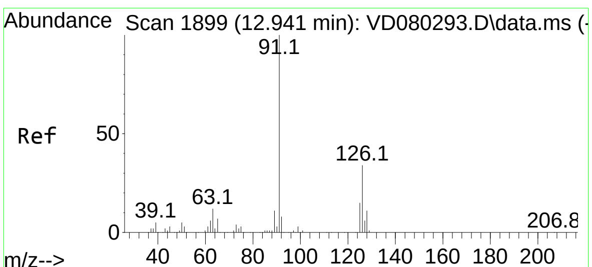


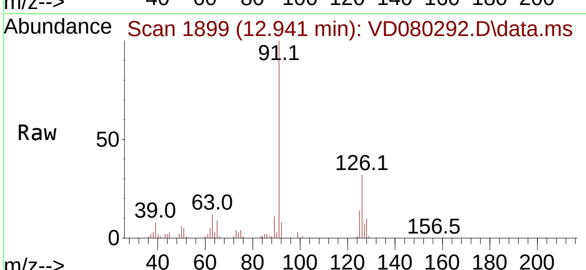
#81
trans-1,4-Dichloro-2-butene
Concen: 21.201 ug/l
RT: 12.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

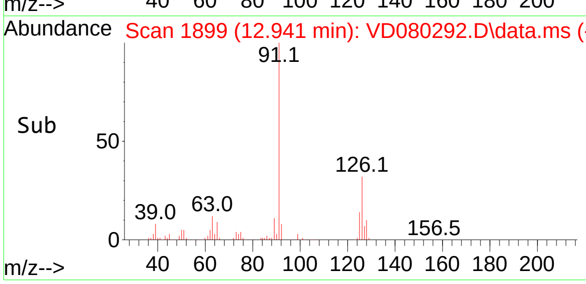
Tgt Ion: 75 Resp: 1085

Ion	Ratio	Lower	Upper
75	100		
53	85.3	70.8	106.2
89	45.6	35.9	53.9





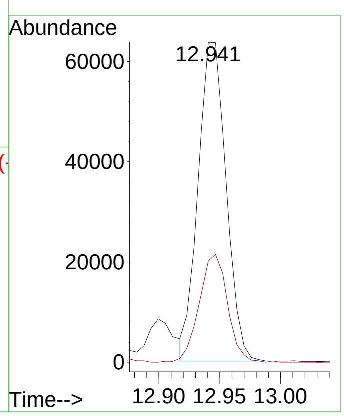




#82
4-Chlorotoluene
Concen: 19.893 ug/l
RT: 12.941 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion: 91 Resp: 102425

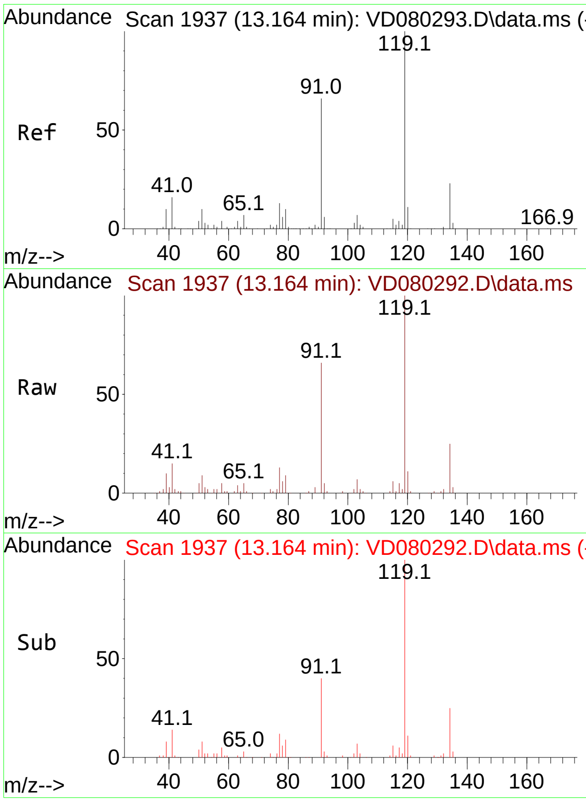
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.1	51.3



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

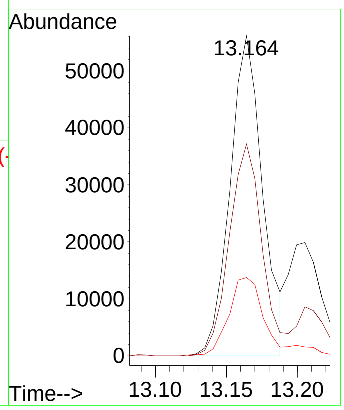
Manual Integrations APPROVED

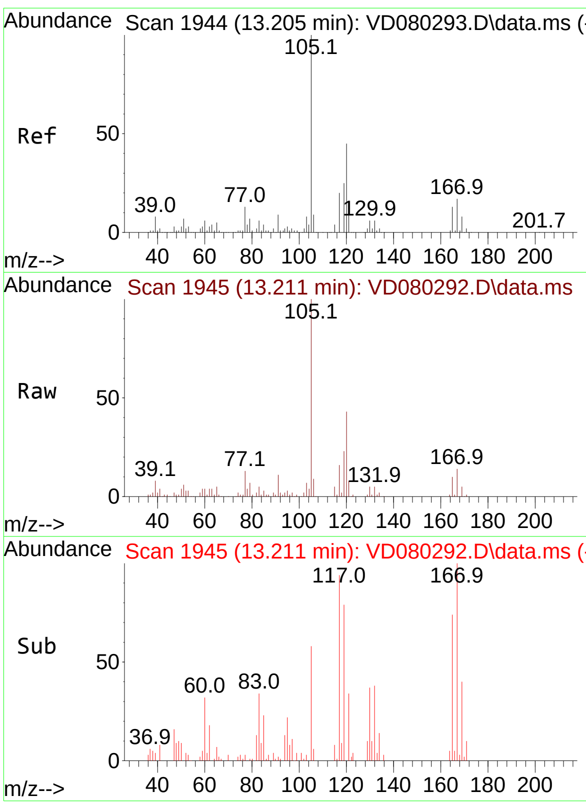
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#83
tert-Butylbenzene
Concen:   19.334 ug/l
RT:  13.164 min  Scan# 19
Delta R.T.  -0.000 min
Lab File:   VD080292.D
Acq: 06 May 2025  14:23

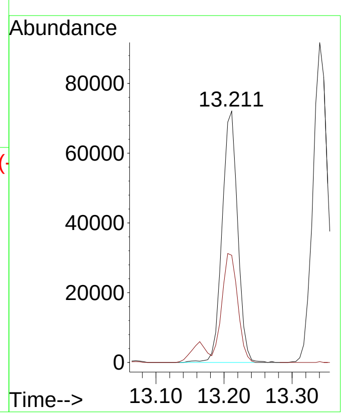
Tgt Ion:119 Resp:   8991
Ion  Ratio  Lower  Upper
119  100
 91   67.2   33.3   99.8
134   26.1   13.3   39.9
```



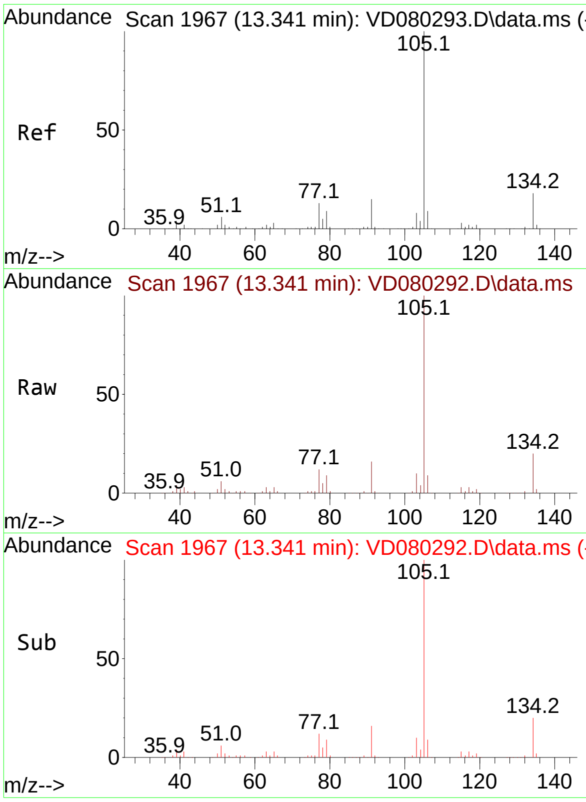



```
#84
1,2,4-Trimethylbenzene
Concen:   20.144 ug/l
RT:  13.211 min  Scan# 1945
Delta R.T.  0.006 min
Lab File:   VD080292.D
Acq: 06 May 2025  14:23

Tgt Ion:105 Resp:  114868
Ion  Ratio  Lower  Upper
105  100
120   43.9   22.3   66.8
```



ICAL Form



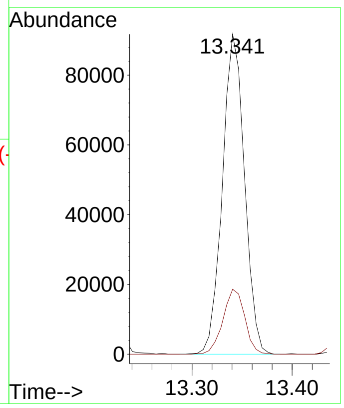
#85
sec-Butylbenzene
Concen: 19.629 ug/l
RT: 13.341 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

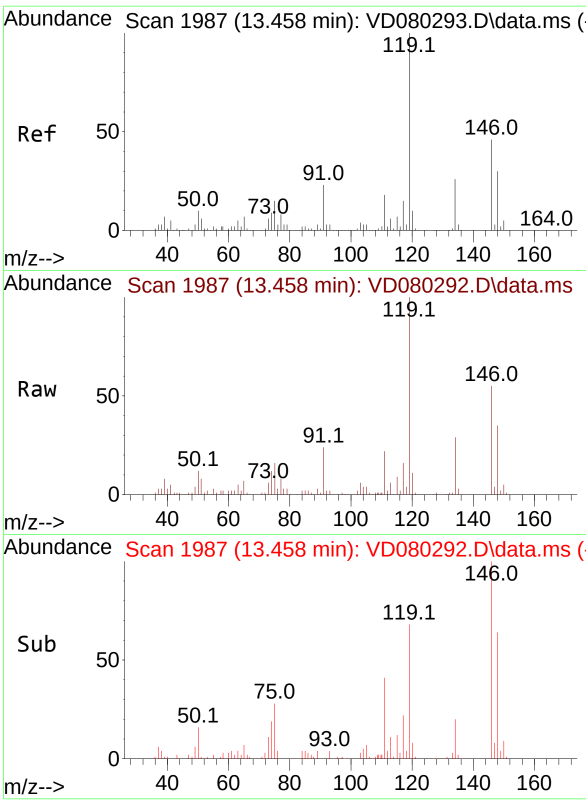
Tgt Ion:105 Resp: 14078
Ion Ratio Lower Upper
105 100
134 20.0 9.6 28.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

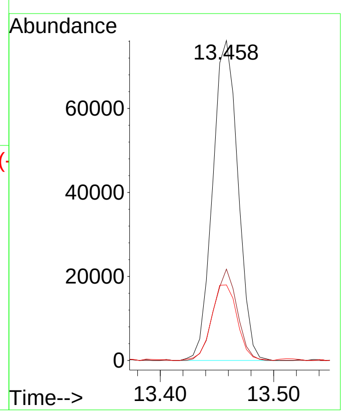
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



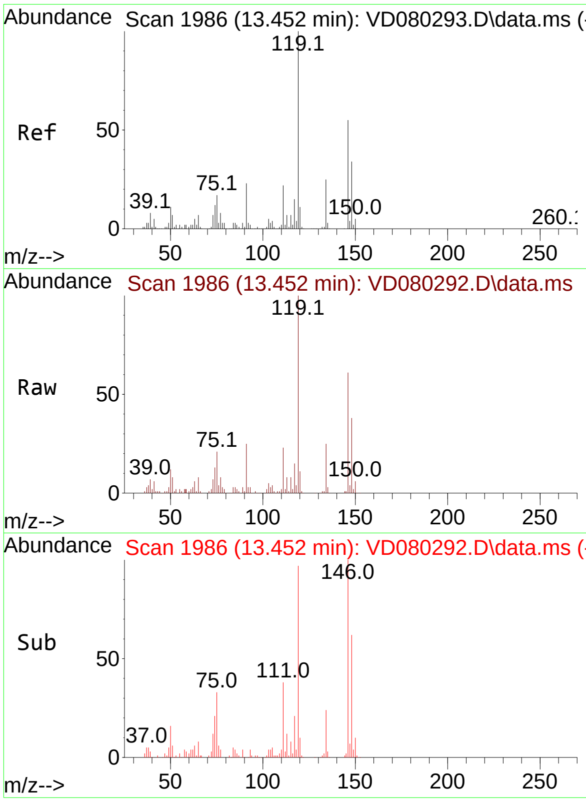


#86
p-Isopropyltoluene
Concen: 19.646 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:119 Resp: 118421
Ion Ratio Lower Upper
119 100
134 26.5 12.8 38.4
91 24.2 11.7 35.0



ICAL Form



#87
1,3-Dichlorobenzene
Concen: 20.076 ug/l
RT: 13.452 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 7096

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	63.8	31.9	95.9

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
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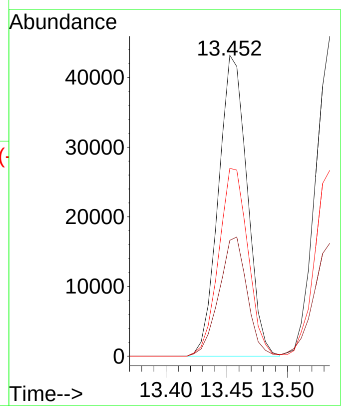
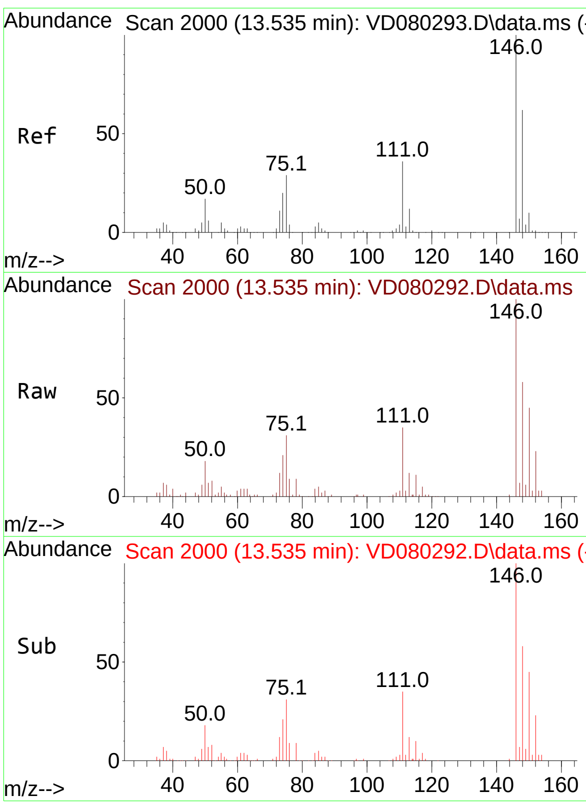
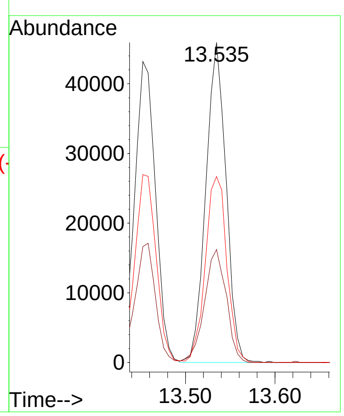


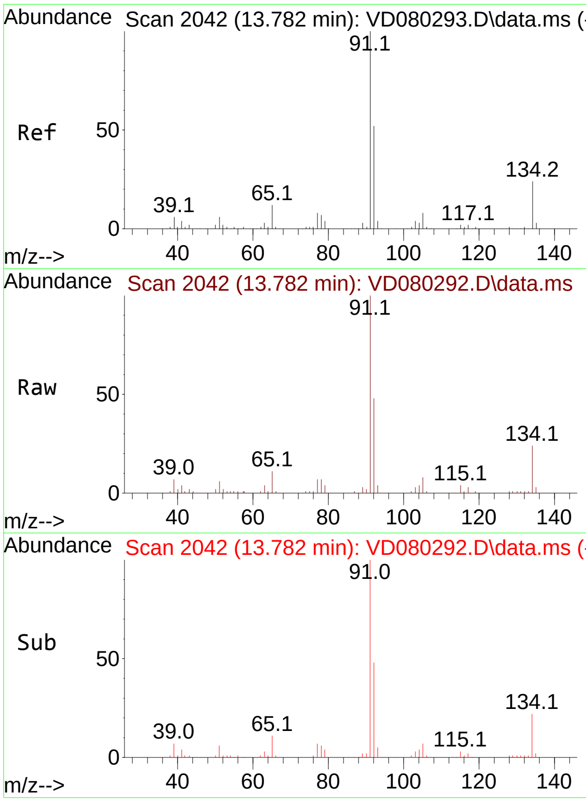


#88
1,4-Dichlorobenzene
Concen: 20.223 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:146 Resp: 72067

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	61.7	31.4	94.0





#89
n-Butylbenzene
Concen: 19.331 ug/l
RT: 13.782 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

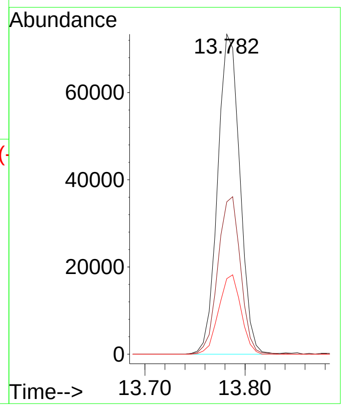
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

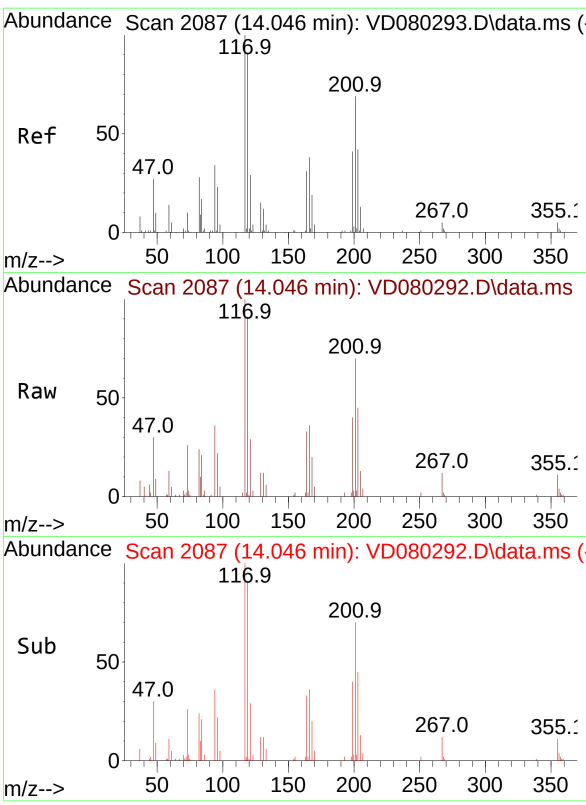
Tgt Ion: 91 Resp: 113114

Ion	Ratio	Lower	Upper
91	100		
92	50.1	26.1	78.2
134	24.8	12.0	36.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

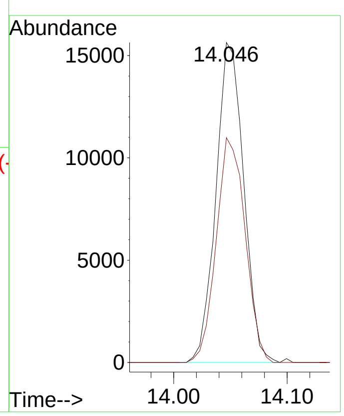




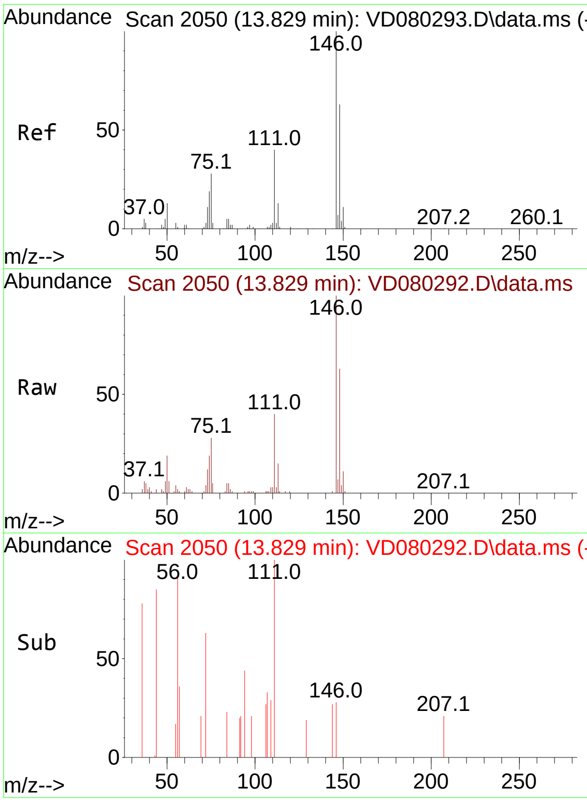
#90
Hexachloroethane
Concen: 19.940 ug/l
RT: 14.046 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

Tgt Ion:117 Resp: 26594

Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.9	110.6



ICAL Form



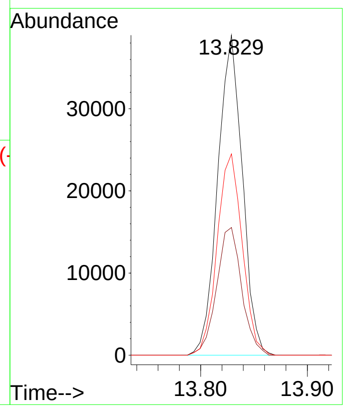
#91
1,2-Dichlorobenzene
Concen: 20.329 ug/l
RT: 13.829 min Scan# 20
Delta R.T.   -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

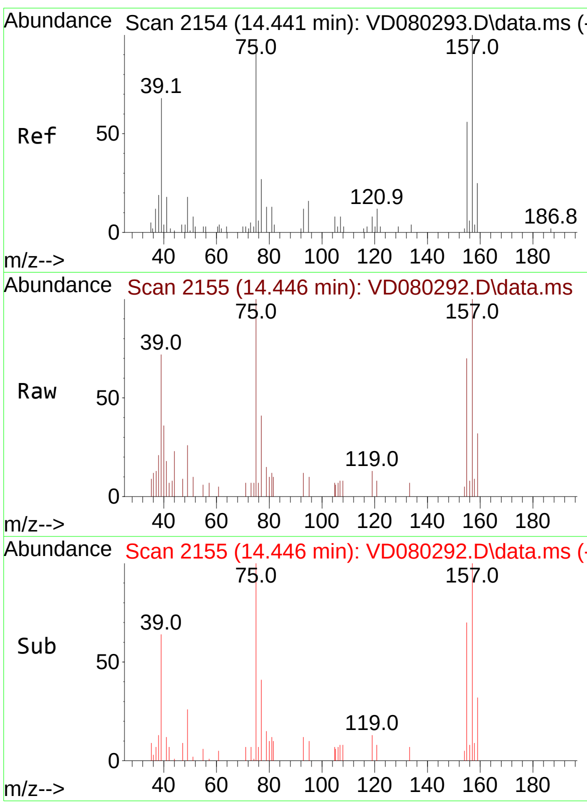
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 6242

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	64.3	32.4	97.2

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

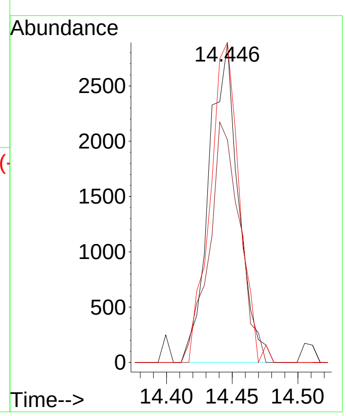


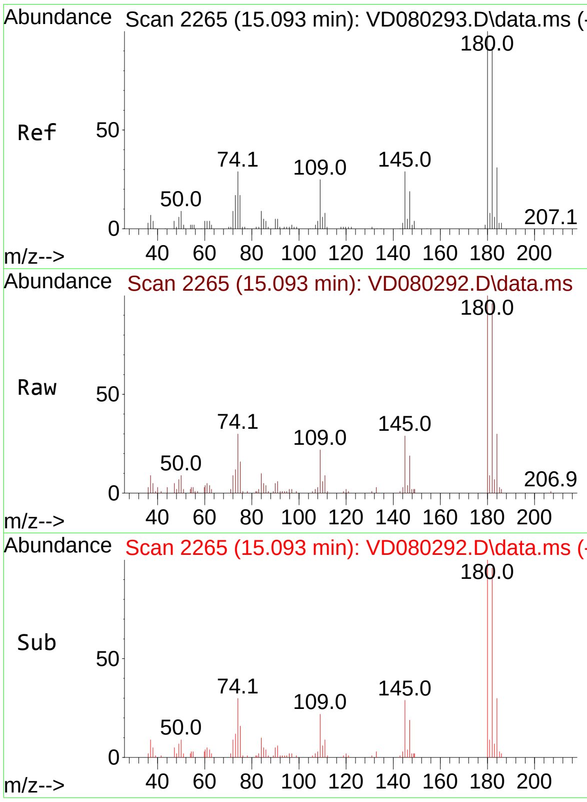


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.815 ug/l
RT: 14.446 min Scan# 2155
Delta R.T.   0.006 min
Lab File: VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion: 75 Resp: 4538

Ion	Ratio	Lower	Upper
75	100		
155	77.5	36.3	108.7
157	99.0	52.9	158.8





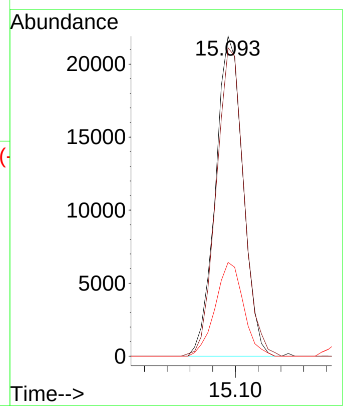
#93
1,2,4-Trichlorobenzene
Concen: 19.078 ug/l
RT: 15.093 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

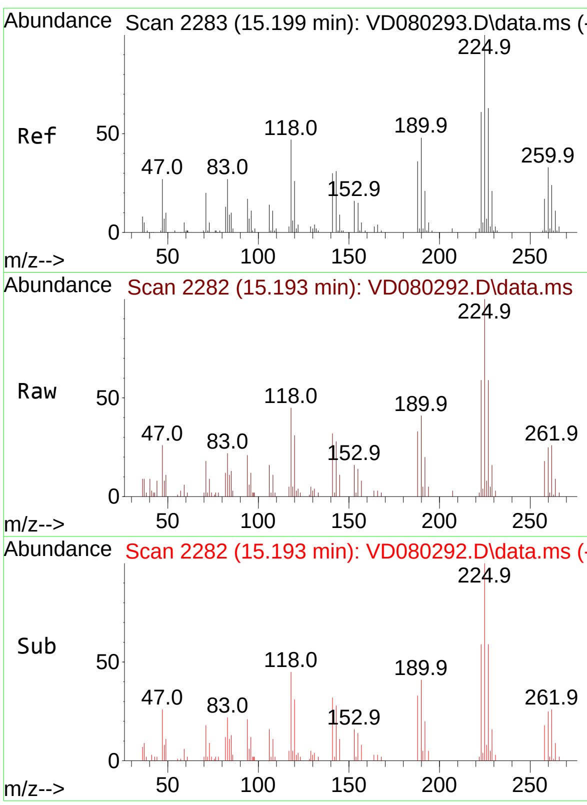
Tgt Ion:180 Resp: 3684

Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.7	140.1
145	30.1	14.9	44.5

Instrument : MSVOA_D
ClientSampleId : VSTDICC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

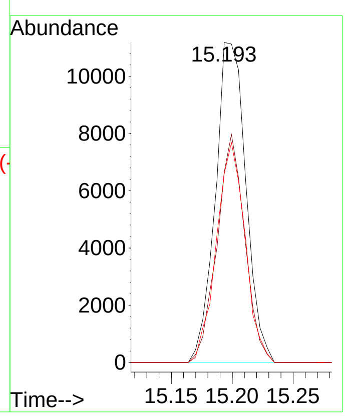




#94
Hexachlorobutadiene
Concen: 19.458 ug/l
RT: 15.193 min Scan# 2282
Delta R.T. -0.006 min
Lab File: VD080292.D
Acq: 06 May 2025 14:23

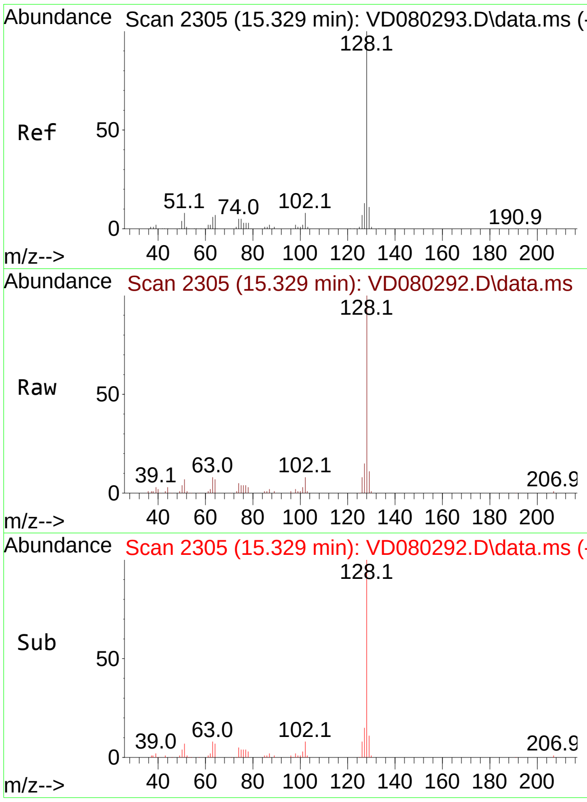
Tgt Ion:225 Resp: 19548

Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.3	90.8
227	64.3	32.0	96.2



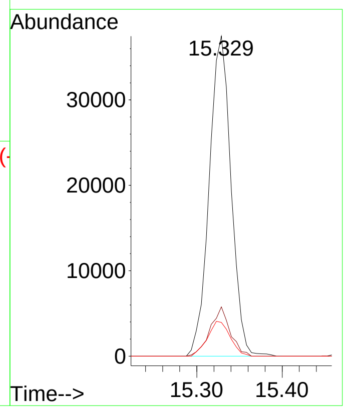
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

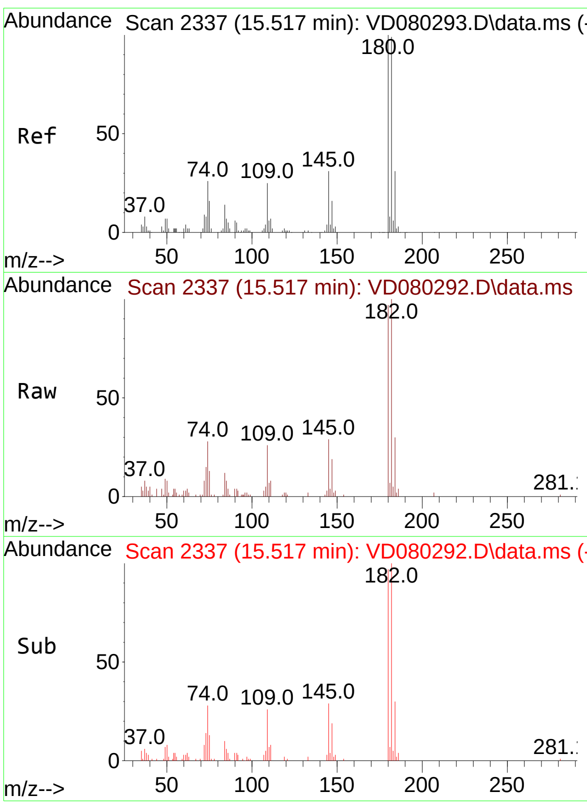
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#95
Naphthalene
Concen:   18.428 ug/l
RT:  15.329 min   Scan# 2
Delta R.T.   -0.000 min
Lab File:    VD080292.D
Acq: 06 May 2025   14:23

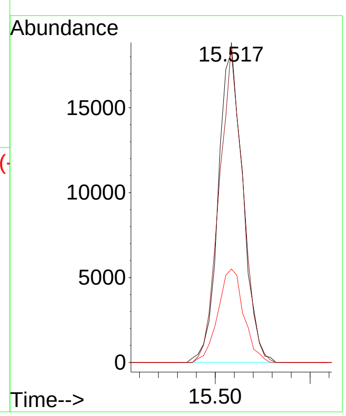
Tgt Ion:128 Resp:   6681
Ion  Ratio  Lower  Upper
128  100
127   15.4   10.2   15.4
129   10.5    8.7   13.1
```






```
#96
1,2,3-Trichlorobenzene
Concen:   19.260 ug/l
RT:  15.517 min   Scan# 2337
Delta R.T.   -0.000 min
Lab File:    VD080292.D
Acq: 06 May 2025   14:23

Tgt Ion:180 Resp:   33265
Ion  Ratio  Lower  Upper
180  100
182   97.7   48.3  144.9
145   31.4   15.6   46.7
```



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080293.D
Acq On : 06 May 2025 14:51
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 03:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	128973	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	210047	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193788	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	106560	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.229	65	76123	45.642 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.280%		
35) Dibromofluoromethane	7.806	113	70249	49.899 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.800%		
50) Toluene-d8	10.264	98	279337	50.359 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%		
62) 4-Bromofluorobenzene	12.570	95	89237	50.122 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.935	85	50088	43.400 ug/l	100
3) Chloromethane	2.153	50	103557	46.391 ug/l	100
4) Vinyl Chloride	2.277	62	137382	40.974 ug/l	100
5) Bromomethane	2.688	94	94361	39.098 ug/l	100
6) Chloroethane	2.829	64	100098	42.224 ug/l	100
7) Trichlorofluoromethane	3.165	101	109172	42.464 ug/l	100
8) Diethyl Ether	3.588	74	34955	44.045 ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.965	101	67563	42.652 ug/l	100
10) Methyl Iodide	4.165	142	76353	47.285 ug/l	100
11) Tert butyl alcohol	5.070	59	22164	218.998 ug/l	100
12) 1,1-Dichloroethene	3.941	96	66338	42.479 ug/l	100
13) Acrolein	3.800	56	40366	226.685 ug/l	100
14) Allyl chloride	4.559	41	109199	44.461 ug/l	100
15) Acrylonitrile	5.253	53	83939	220.002 ug/l	100
16) Acetone	4.029	43	62782	243.872 ug/l	100
17) Carbon Disulfide	4.271	76	225804	41.639 ug/l	100
18) Methyl Acetate	4.571	43	44979	41.614 ug/l	100
19) Methyl tert-butyl Ether	5.323	73	160814	46.874 ug/l	100
20) Methylene Chloride	4.800	84	84733	47.369 ug/l	100
21) trans-1,2-Dichloroethene	5.306	96	75359	44.419 ug/l	100
22) Diisopropyl ether	6.217	45	241140	47.662 ug/l	100
23) Vinyl Acetate	6.159	43	717743	243.576 ug/l	100
24) 1,1-Dichloroethane	6.106	63	142067	44.623 ug/l	100
25) 2-Butanone	7.082	43	107372	233.978 ug/l	100
26) 2,2-Dichloropropane	7.076	77	113734	44.895 ug/l	100
27) cis-1,2-Dichloroethene	7.076	96	85505	45.490 ug/l	100
28) Bromochloromethane	7.423	49	69195	46.680 ug/l	100
29) Tetrahydrofuran	7.447	42	71264	238.175 ug/l	100
30) Chloroform	7.594	83	142796	44.977 ug/l	100
31) Cyclohexane	7.876	56	118553	43.753 ug/l	100
32) 1,1,1-Trichloroethane	7.794	97	115758	44.690 ug/l	100
36) 1,1-Dichloropropene	8.006	75	99739	47.404 ug/l	100
37) Ethyl Acetate	7.170	43	51033	46.506 ug/l	100
38) Carbon Tetrachloride	7.994	117	103294	47.075 ug/l	100
39) Methylcyclohexane	9.276	83	114223	46.784 ug/l	100
40) Benzene	8.247	78	307055	46.576 ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080293.D
Acq On : 06 May 2025 14:51
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	27077	44.472	ug/l	100
42) 1,2-Dichloroethane	8.323	62	88634	46.397	ug/l	100
43) Isopropyl Acetate	8.364	43	96669	48.454	ug/l	100
44) Trichloroethene	9.029	130	70080	45.794	ug/l	100
45) 1,2-Dichloropropane	9.300	63	80989	47.901	ug/l	100
46) Dibromomethane	9.394	93	43885	47.673	ug/l	100
47) Bromodichloromethane	9.582	83	110822	47.431	ug/l	100
48) Methyl methacrylate	9.382	41	46391	48.938	ug/l	100
49) 1,4-Dioxane	9.388	88	10636	971.810	ug/l	100
51) 4-Methyl-2-Pentanone	10.158	43	260803	253.710	ug/l	100
52) Toluene	10.329	92	192753	48.532	ug/l	100
53) t-1,3-Dichloropropene	10.553	75	102430	48.088	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	120266	48.724	ug/l	100
55) 1,1,2-Trichloroethane	10.735	97	59795	49.106	ug/l	100
56) Ethyl methacrylate	10.600	69	76440	51.806	ug/l	100
57) 1,3-Dichloropropane	10.876	76	97045	47.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	163412	270.621	ug/l	100
59) 2-Hexanone	10.917	43	178947	253.060	ug/l	100
60) Dibromochloromethane	11.070	129	74451	48.789	ug/l	100
61) 1,2-Dibromoethane	11.176	107	52865	46.820	ug/l	100
64) Tetrachloroethene	10.811	164	61207	46.641	ug/l	100
65) Chlorobenzene	11.605	112	207554	47.434	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.682	131	73799	49.091	ug/l	100
67) Ethyl Benzene	11.682	91	359794	49.204	ug/l	100
68) m/p-Xylenes	11.788	106	286214	100.807	ug/l	100
69) o-Xylene	12.117	106	128942	49.699	ug/l	100
70) Styrene	12.135	104	236218	50.705	ug/l	100
71) Bromoform	12.300	173	42622	47.720	ug/l #	100
73) Isopropylbenzene	12.417	105	338024	48.901	ug/l	100
74) N-amyl acetate	12.229	43	94478	47.622	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.670	83	69292	45.585	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	51319m	45.391	ug/l	
77) Bromobenzene	12.699	156	86515	48.252	ug/l	100
78) n-propylbenzene	12.758	91	432276	49.833	ug/l	100
79) 2-Chlorotoluene	12.847	91	245990	48.752	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	292798	49.663	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	26376	48.681	ug/l	100
82) 4-Chlorotoluene	12.941	91	259933	47.724	ug/l	100
83) tert-Butylbenzene	13.164	119	241235	49.033	ug/l	100
84) 1,2,4-Trimethylbenzene	13.205	105	304757	50.521	ug/l	100
85) sec-Butylbenzene	13.341	105	377527	49.761	ug/l	100
86) p-Isopropyltoluene	13.458	119	322757	50.618	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	175985	47.064	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	174810	46.373	ug/l	100
89) n-Butylbenzene	13.782	91	307571	49.691	ug/l	100
90) Hexachloroethane	14.046	117	66605	47.210	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	153988	47.407	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.441	75	11348	46.842	ug/l	100
93) 1,2,4-Trichlorobenzene	15.093	180	97524	47.741	ug/l	100
94) Hexachlorobutadiene	15.199	225	49856	46.912	ug/l	100
95) Naphthalene	15.329	128	179761	46.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.517	180	87786	48.049	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080293.D
Acq On : 06 May 2025 14:51
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 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 (QT Reviewed)

ICAL Form

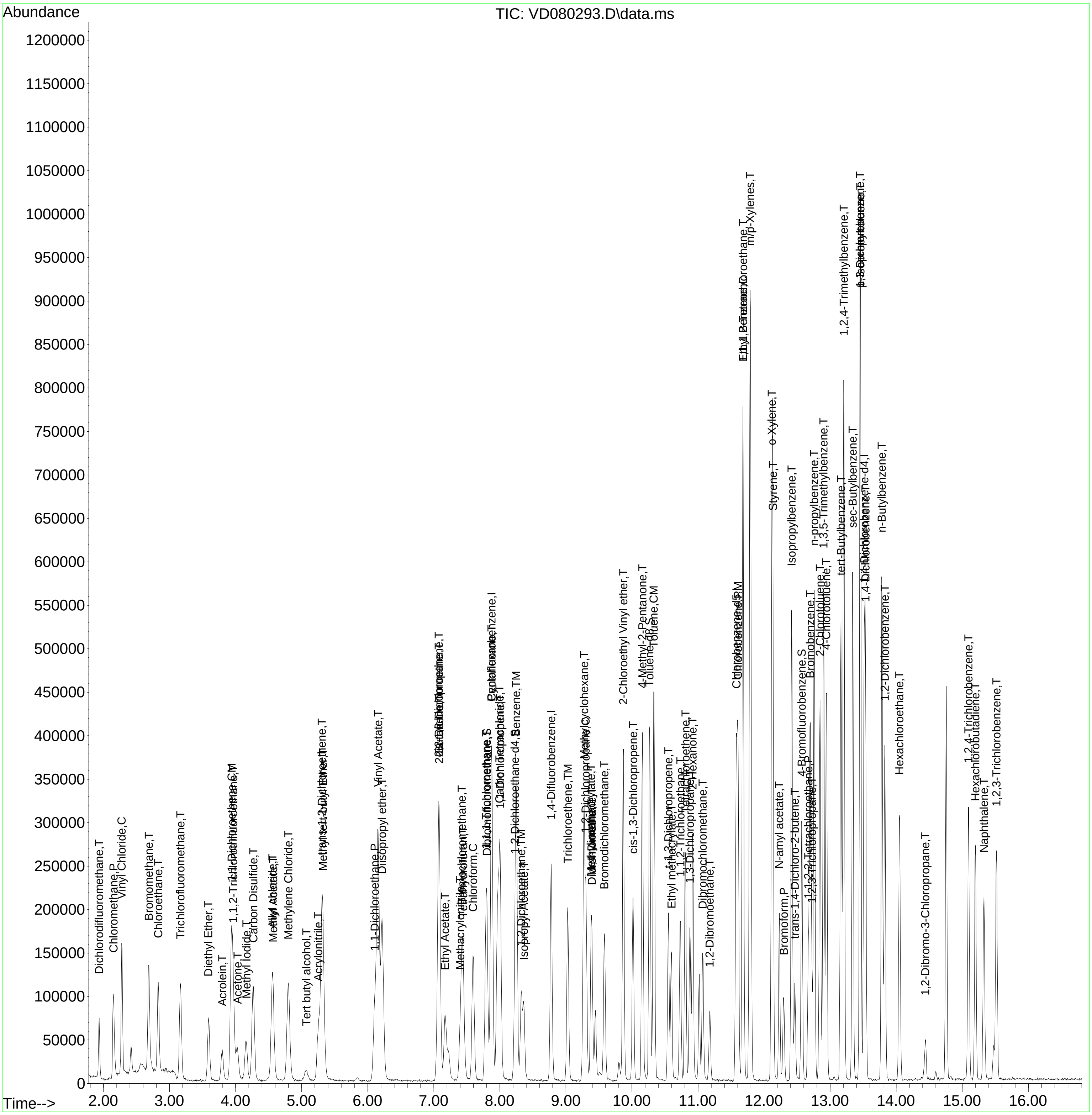
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080293.D
Acq On : 06 May 2025 14:51
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 03:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



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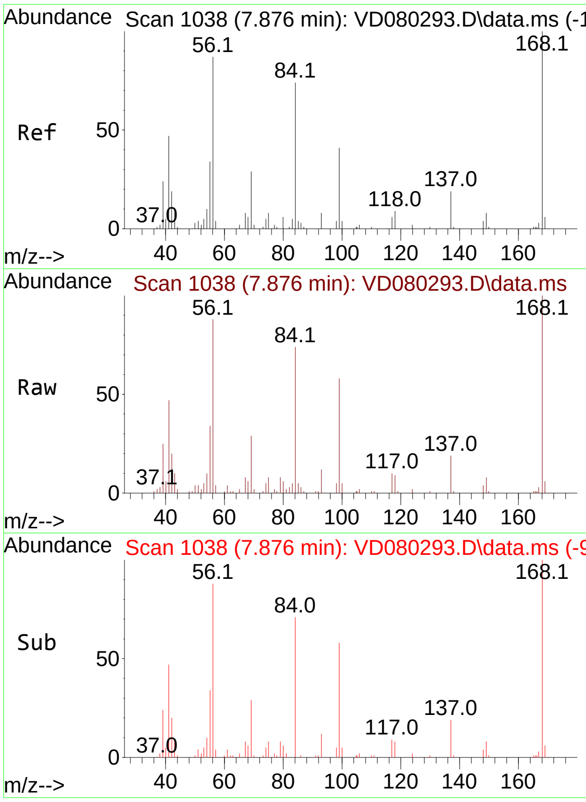


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

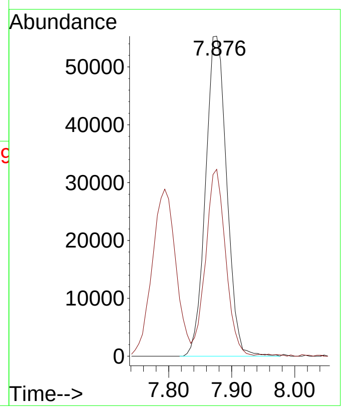
Tgt Ion:168 Resp: 12897

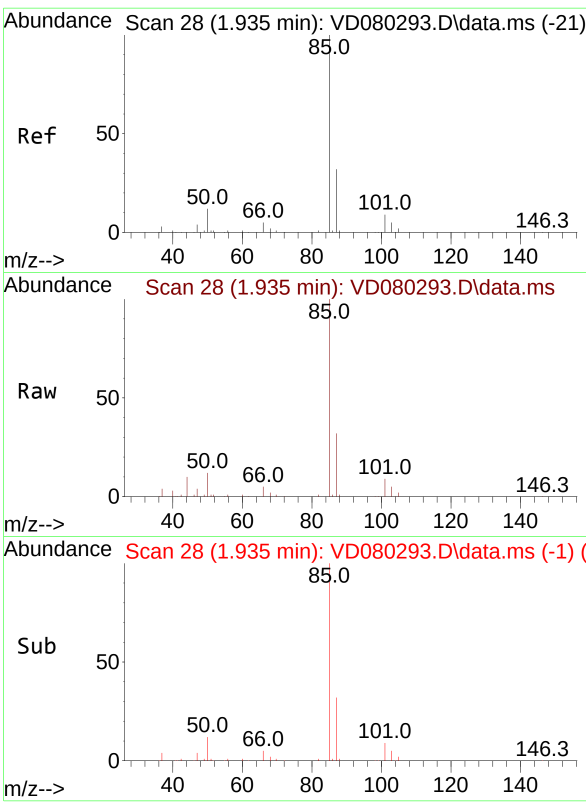
Ion	Ratio	Lower	Upper
168	100		
99	58.0	46.4	69.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

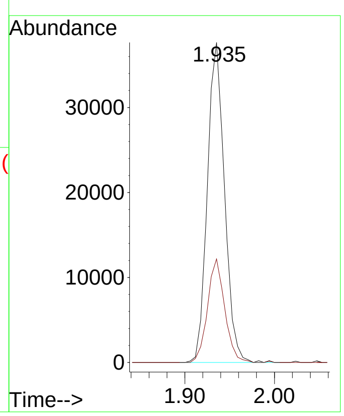


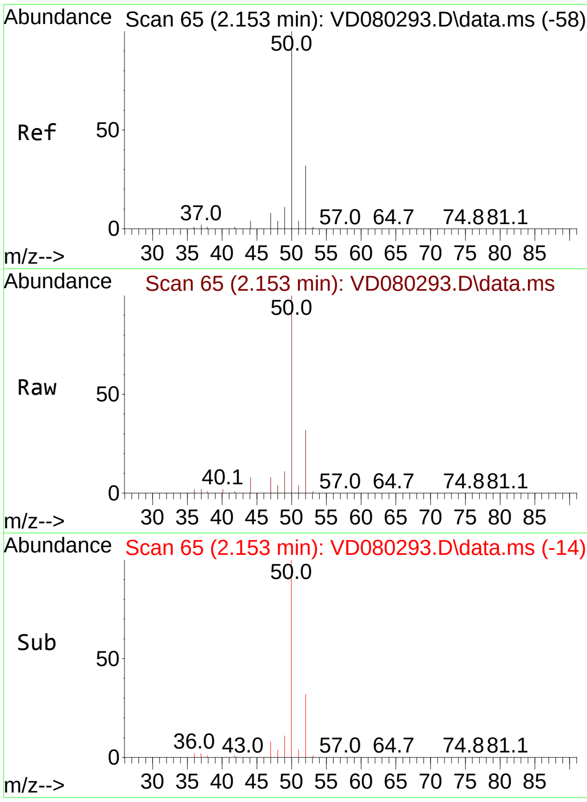


#2
Dichlorodifluoromethane
Concen: 43.400 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 85 Resp: 50088

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6





#3
Chloromethane
Concen: 46.391 ug/l
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

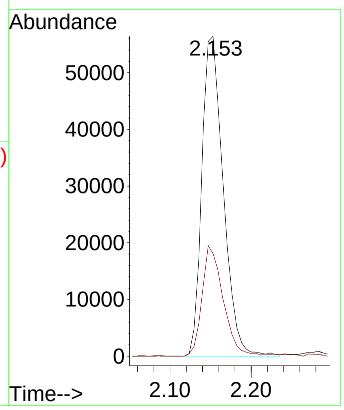
Tgt Ion: 50 Resp: 10355

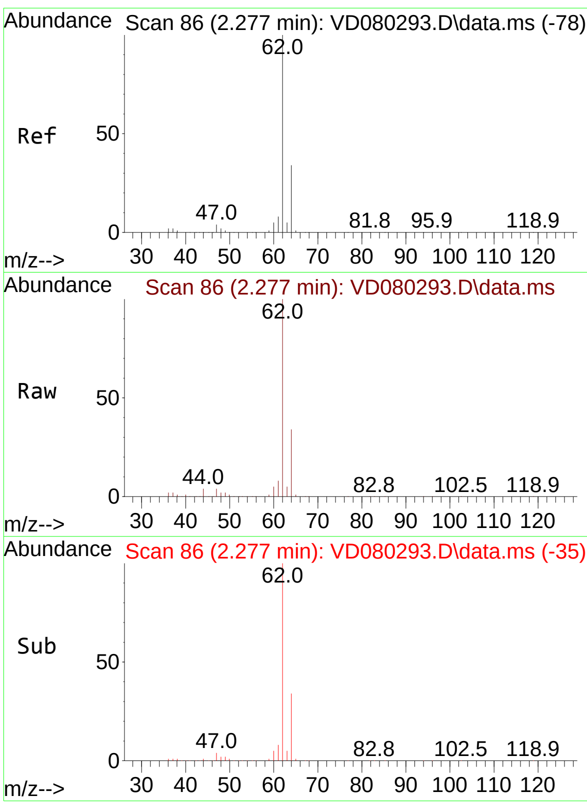
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

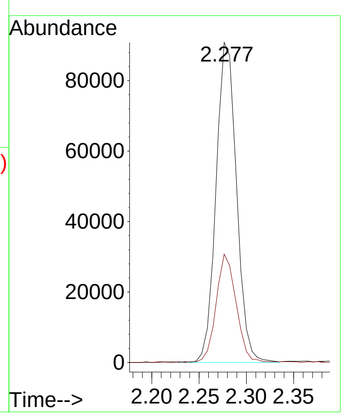




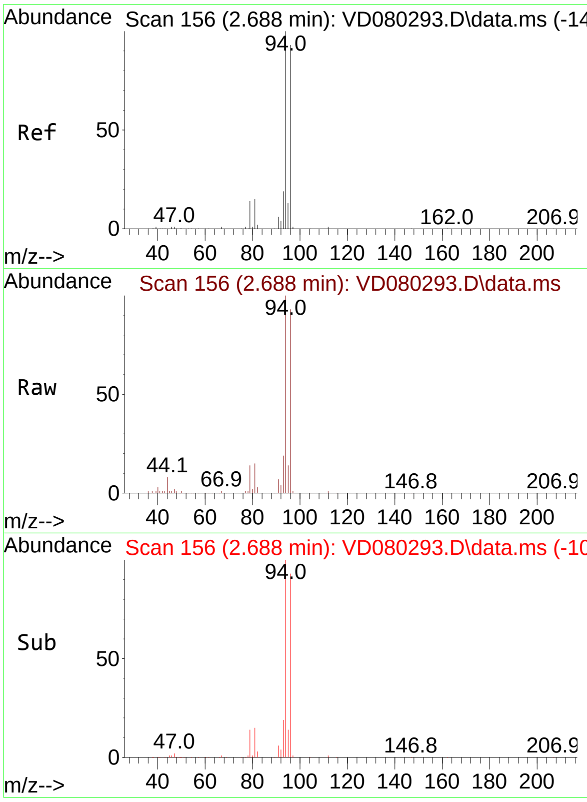
#4
Vinyl Chloride
Concen: 40.974 ug/l
RT: 2.277 min Scan# 86
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 62 Resp: 137382

Ion	Ratio	Lower	Upper
62	100		
64	33.6	26.9	40.3



ICAL Form



#5
Bromomethane
Concen: 39.098 ug/l
RT: 2.688 min Scan# 15
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

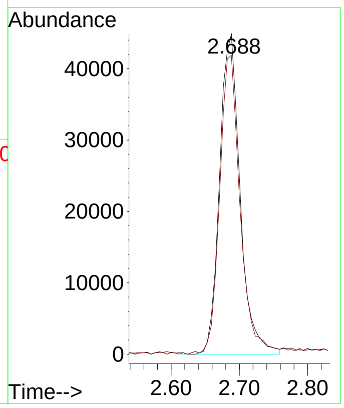
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

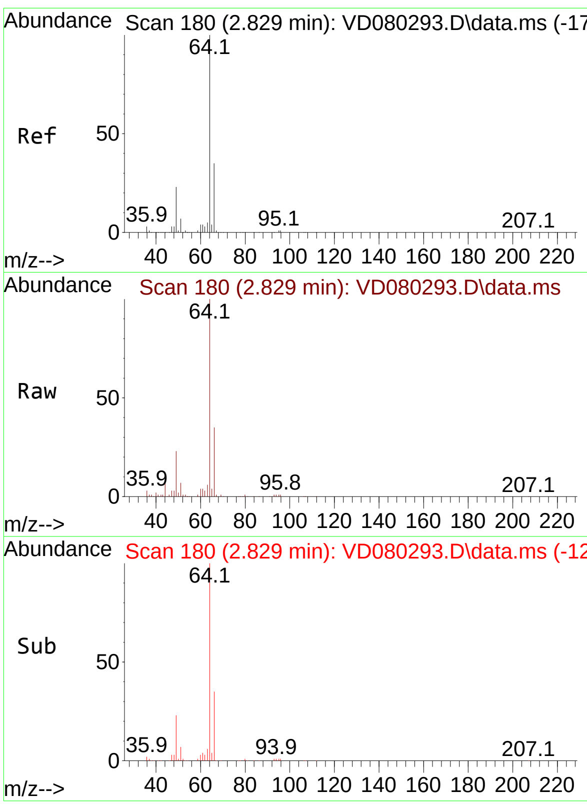
Tgt Ion: 94 Resp: 94361

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	112.0

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

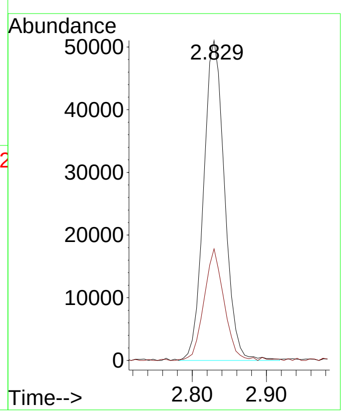




#6
Chloroethane
Concen: 42.224 ug/l
RT: 2.829 min Scan# 180
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 64 Resp: 100098

Ion	Ratio	Lower	Upper
64	100		
66	34.6	27.7	41.5

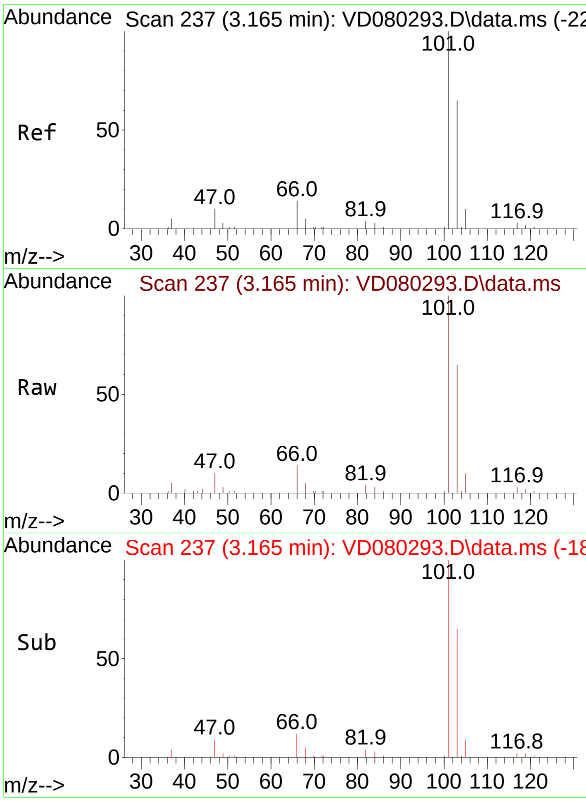


ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

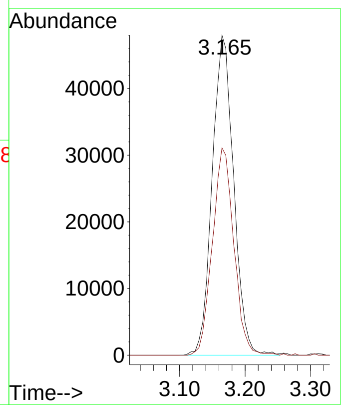
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

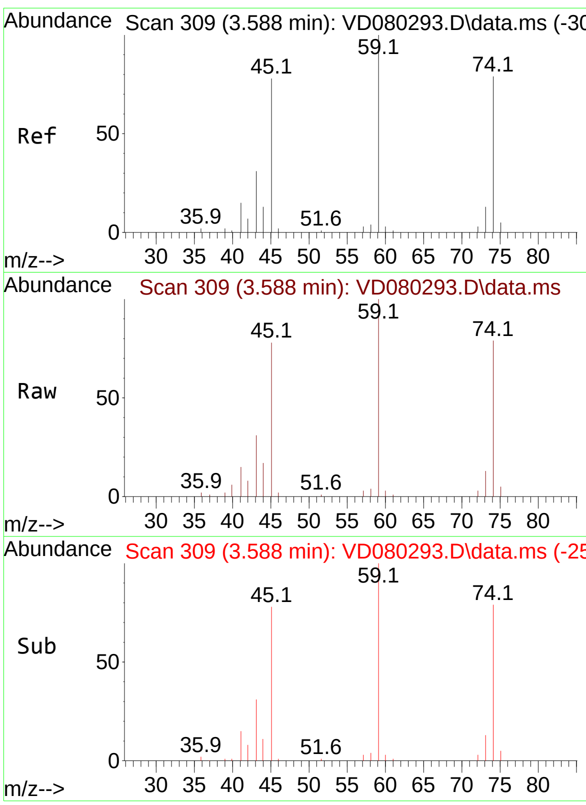


#7
Trichlorofluoromethane
Concen: 42.464 ug/l
RT: 3.165 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:101 Resp: 10917

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

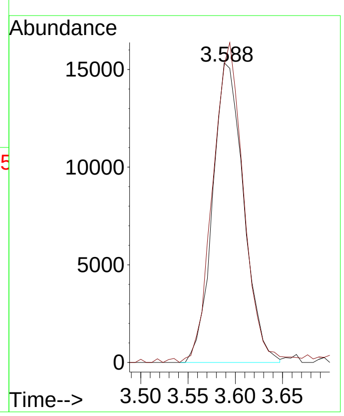




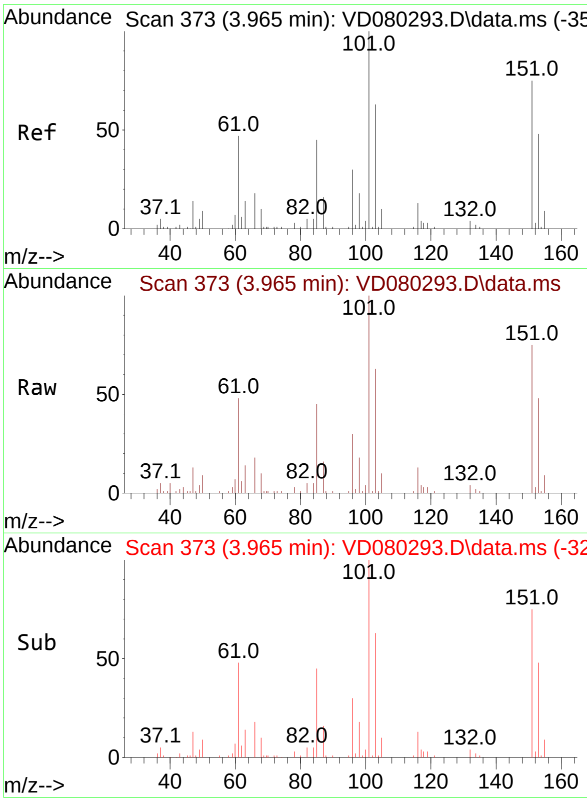
#8
Diethyl Ether
Concen: 44.045 ug/l
RT: 3.588 min Scan# 309
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 74 Resp: 34955

Ion	Ratio	Lower	Upper
74	100		
45	106.3	53.1	159.4



ICAL Form



#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.652 ug/l
RT: 3.965 min Scan# 3
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

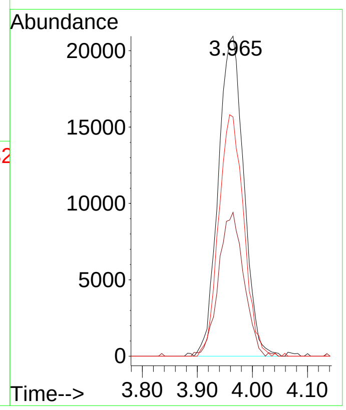
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

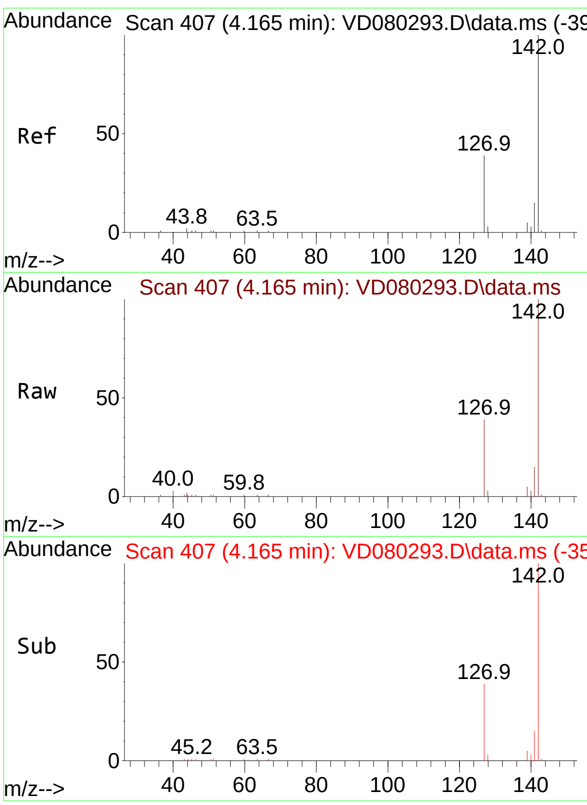
Tgt Ion:101 Resp: 6756

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	73.8	59.0	88.6

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

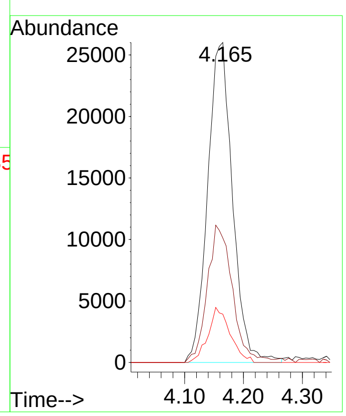




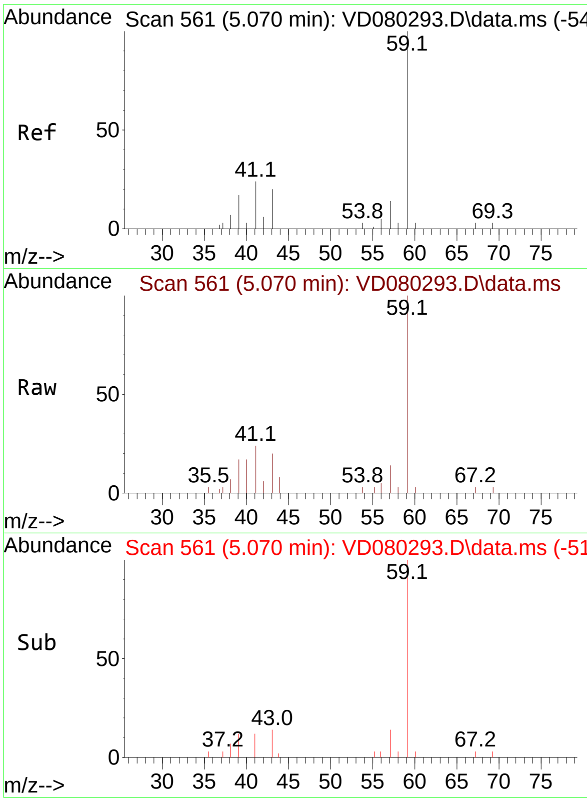
#10
Methyl Iodide
Concen: 47.285 ug/l
RT: 4.165 min Scan# 407
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:142 Resp: 76353

Ion	Ratio	Lower	Upper
142	100		
127	43.3	34.6	52.0
141	15.3	12.2	18.4



ICAL Form



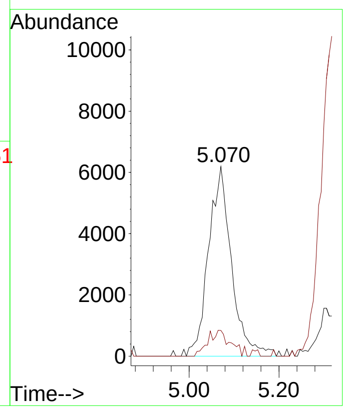
#11
Tert butyl alcohol
Concen: 218.998 ug/l
RT: 5.070 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

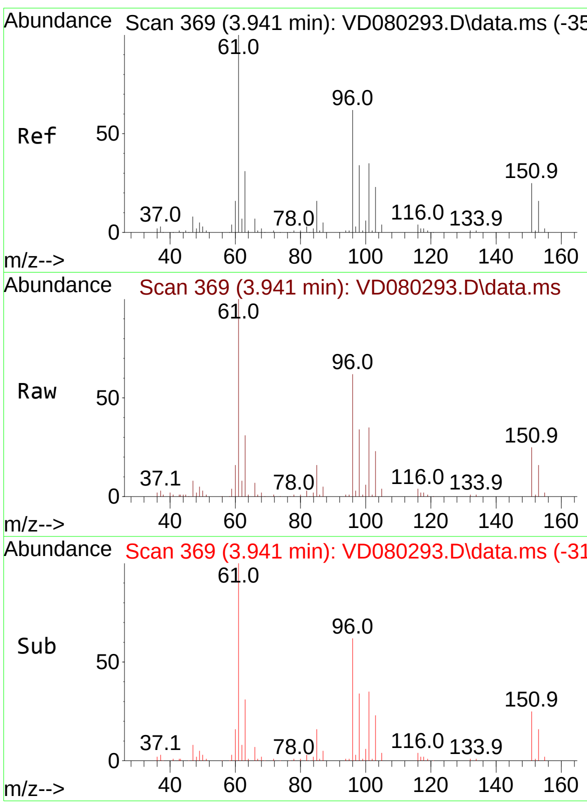
Tgt Ion: 59 Resp: 2216

Ion	Ratio	Lower	Upper
59	100		
57	13.3	10.6	16.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

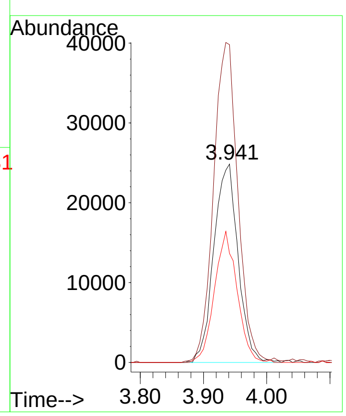




#12
1,1-Dichloroethene
Concen: 42.479 ug/l
RT: 3.941 min Scan# 369
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 96 Resp: 66338

Ion	Ratio	Lower	Upper
96	100		
61	160.2	128.2	192.2
98	54.9	43.9	65.9



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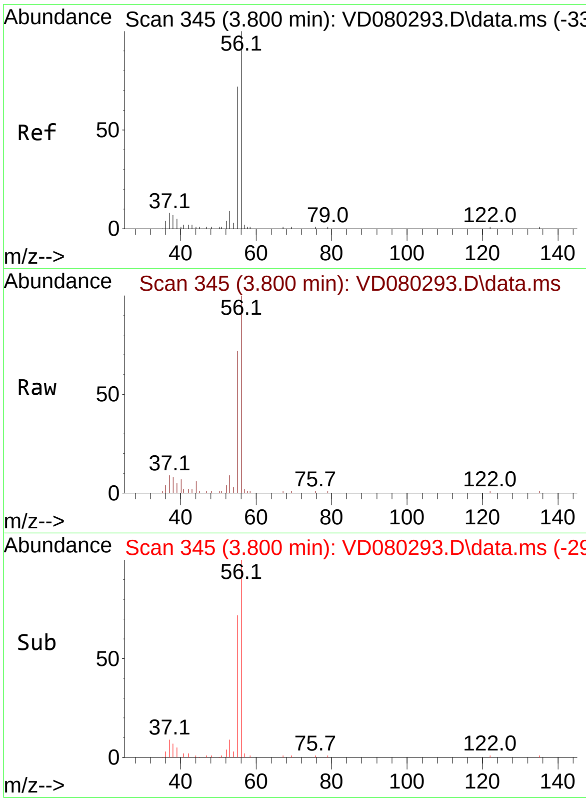


#13
Acrolein
Concen: 226.685 ug/l
RT: 3.800 min Scan# 34
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

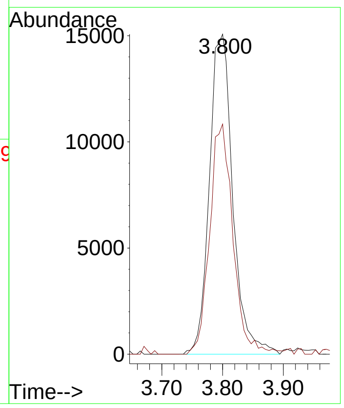
Tgt Ion: 56 Resp: 40360

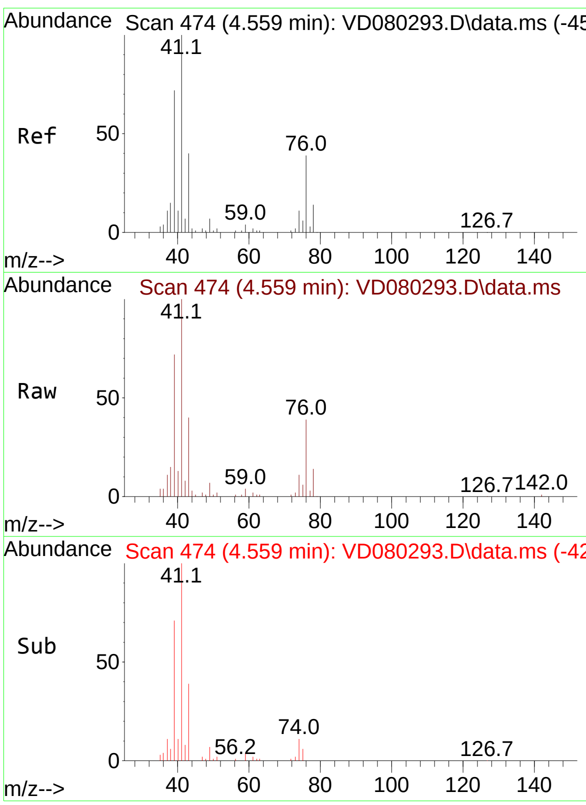
Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.4	86.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

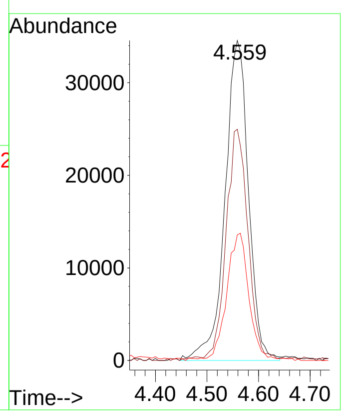


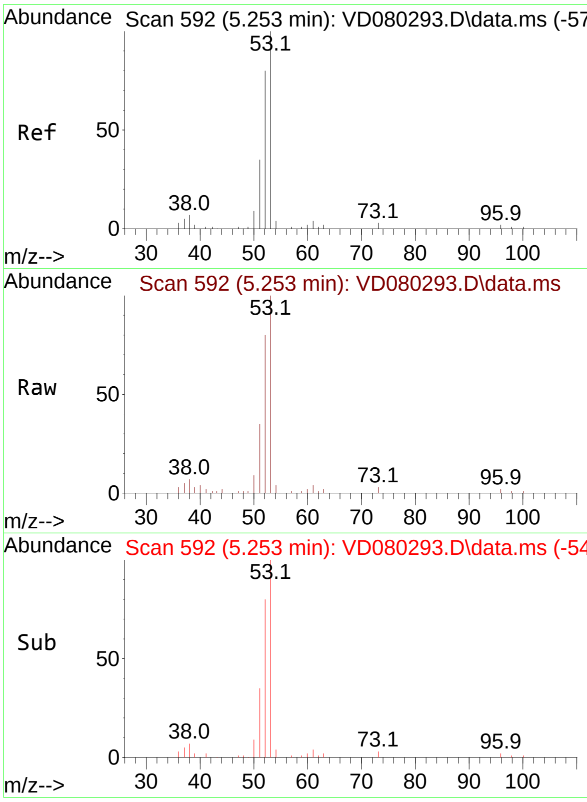


#14
Allyl chloride
Concen: 44.461 ug/l
RT: 4.559 min Scan# 474
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 41 Resp: 109199

Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
76	36.0	28.8	43.2





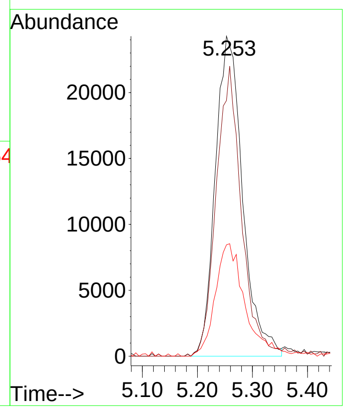
#15
Acrylonitrile
Concen: 220.002 ug/l
RT: 5.253 min Scan# 5
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

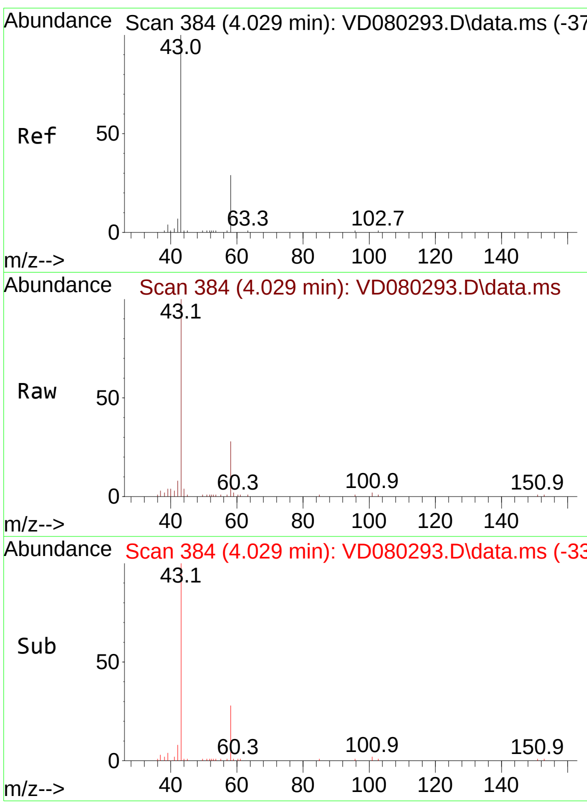
Tgt Ion: 53 Resp: 8393

Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.3	100.9
51	38.0	30.4	45.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

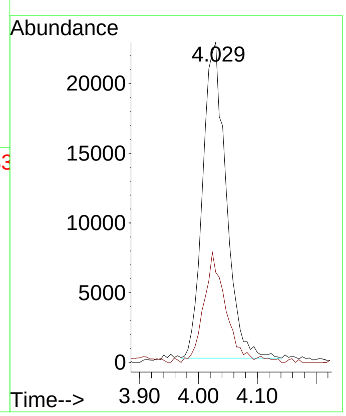




#16
Acetone
Concen: 243.872 ug/l
RT: 4.029 min Scan# 384
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 62782

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.9	34.3



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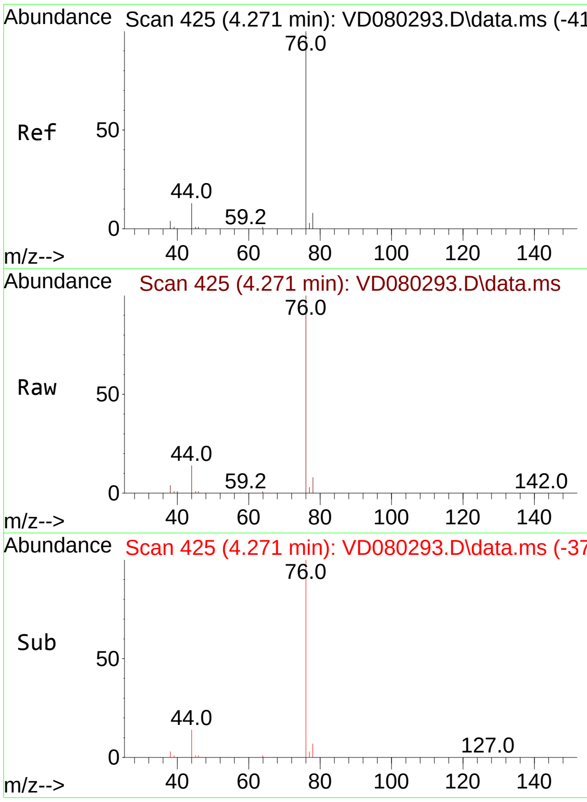

#17
Carbon Disulfide
Concen: 41.639 ug/l
RT: 4.271 min Scan# 4
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 76 Resp: 22580

Ion	Ratio	Lower	Upper
76	100		
78	8.3	6.6	10.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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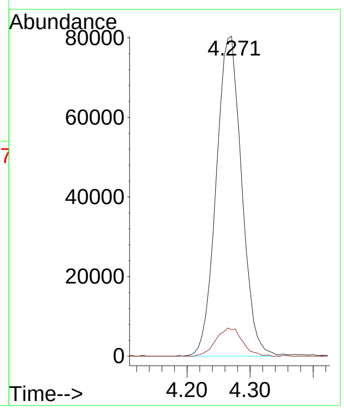
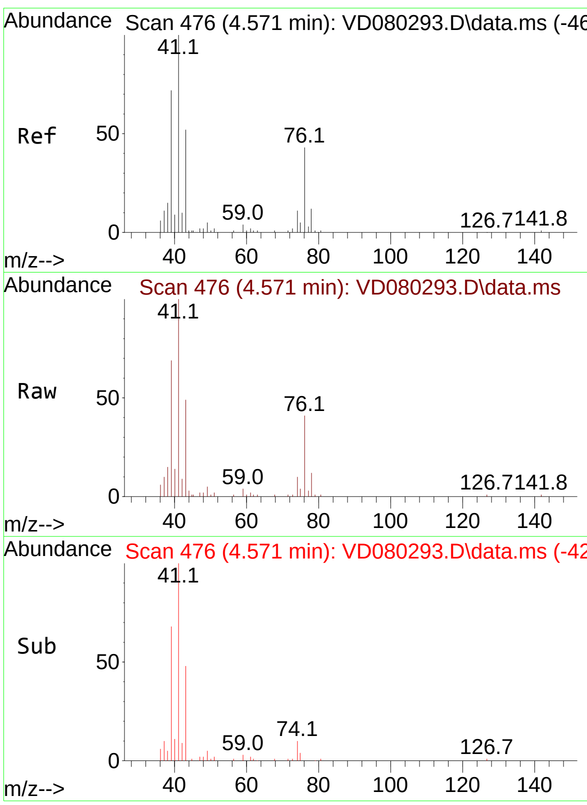
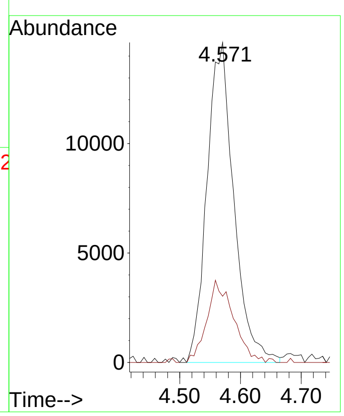




#18
Methyl Acetate
Concen: 41.614 ug/l
RT: 4.571 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 44979

Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.4	30.6



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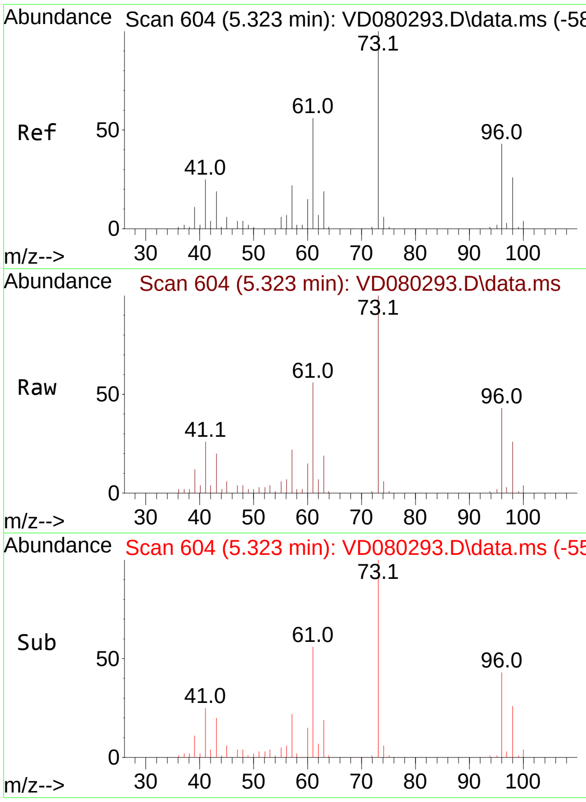

#19
Methyl tert-butyl Ether
Concen: 46.874 ug/l
RT: 5.323 min Scan# 6
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 16081

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.5	26.3

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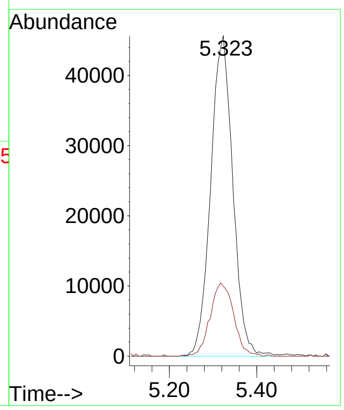
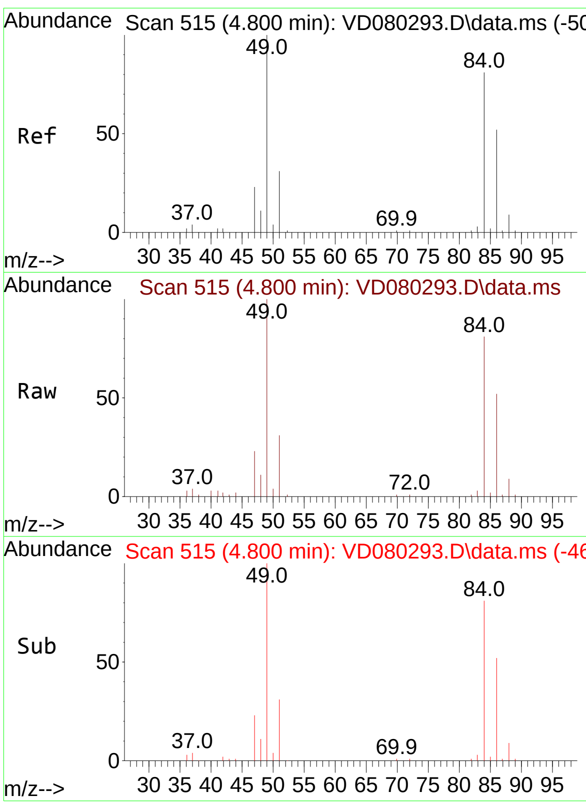
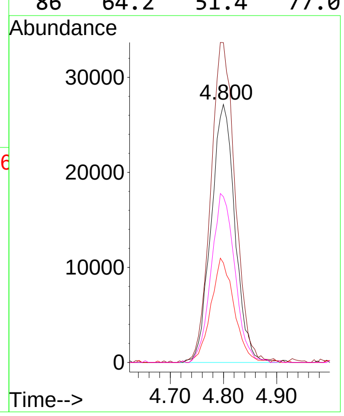




#20
Methylene Chloride
Concen: 47.369 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 84 Resp: 84733

Ion	Ratio	Lower	Upper
84	100		
49	123.4	98.7	148.1
51	38.5	30.8	46.2
86	64.2	51.4	77.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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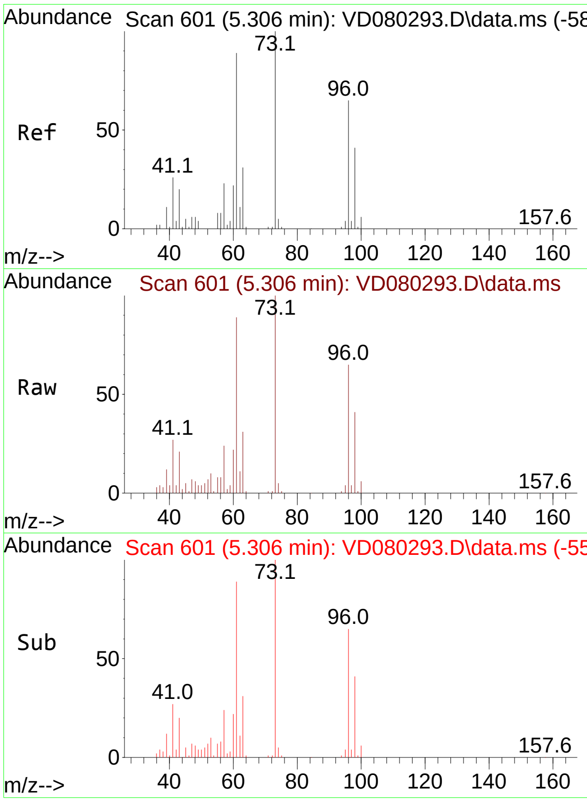
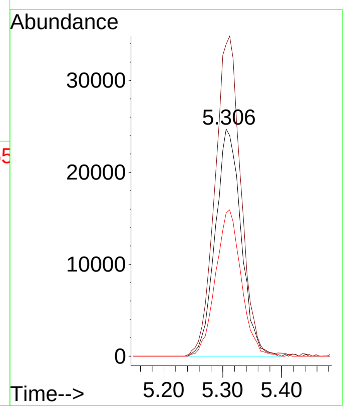
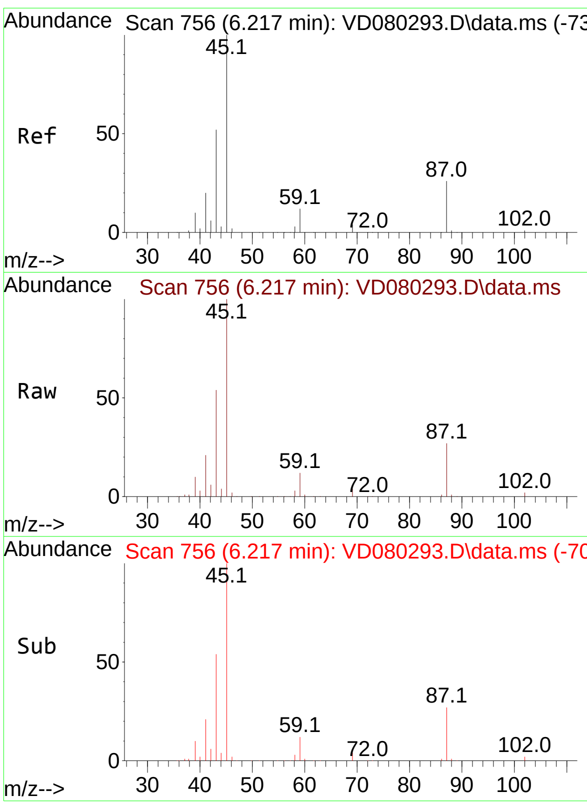


#21
trans-1,2-Dichloroethene
Concen: 44.419 ug/l
RT: 5.306 min Scan# 6
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 96 Resp: 7535

Ion	Ratio	Lower	Upper
96	100		
61	137.4	109.9	164.9
98	63.2	50.6	75.8

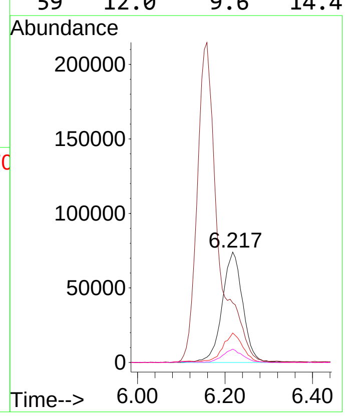




#22
Diisopropyl ether
Concen: 47.662 ug/l
RT: 6.217 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 45 Resp: 241140

Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.5	63.7
87	26.7	21.4	32.0
59	12.0	9.6	14.4



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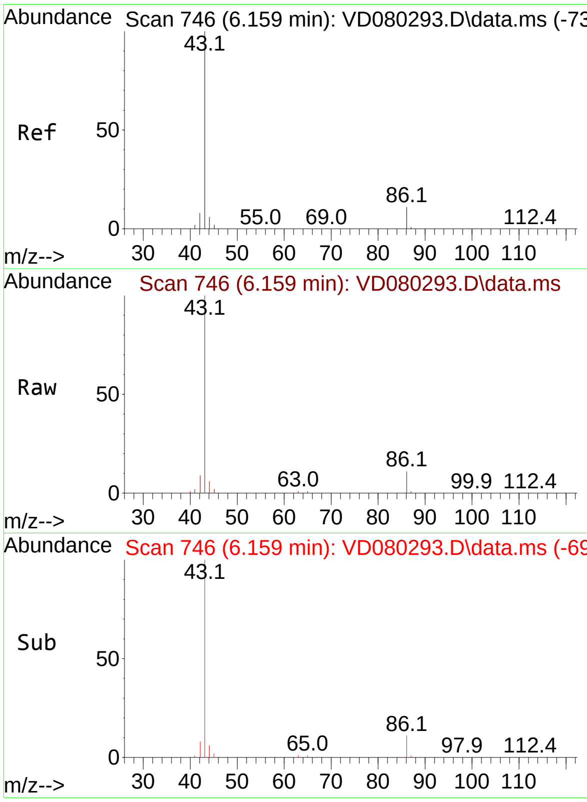

#23
Vinyl Acetate
Concen: 243.576 ug/l
RT: 6.159 min Scan# 74
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 717741

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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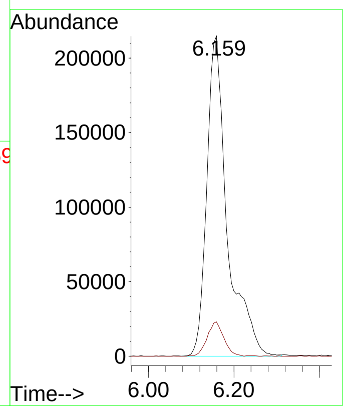
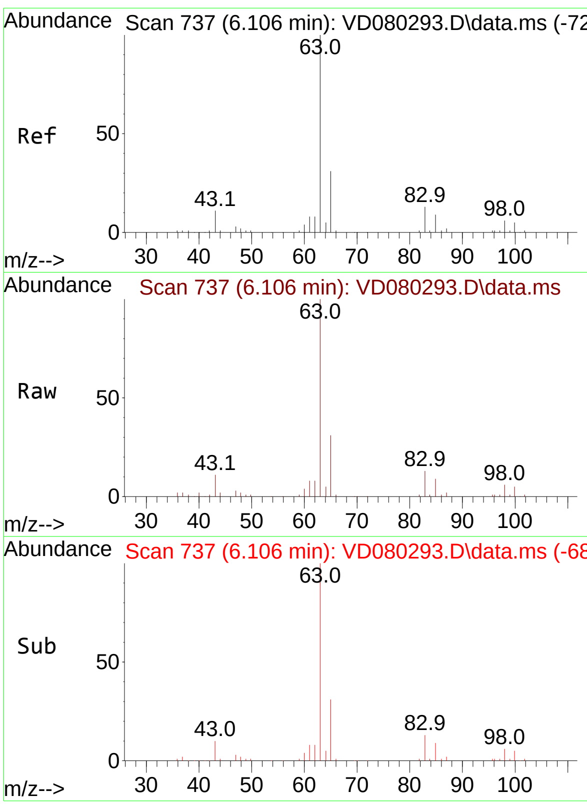
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

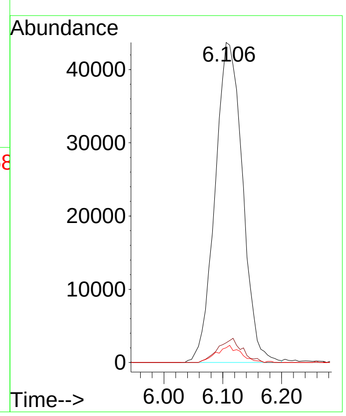




#24
1,1-Dichloroethane
Concen: 44.623 ug/l
RT: 6.106 min Scan# 737
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 63 Resp: 142067

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.1	9.3
100	4.6	2.3	6.9



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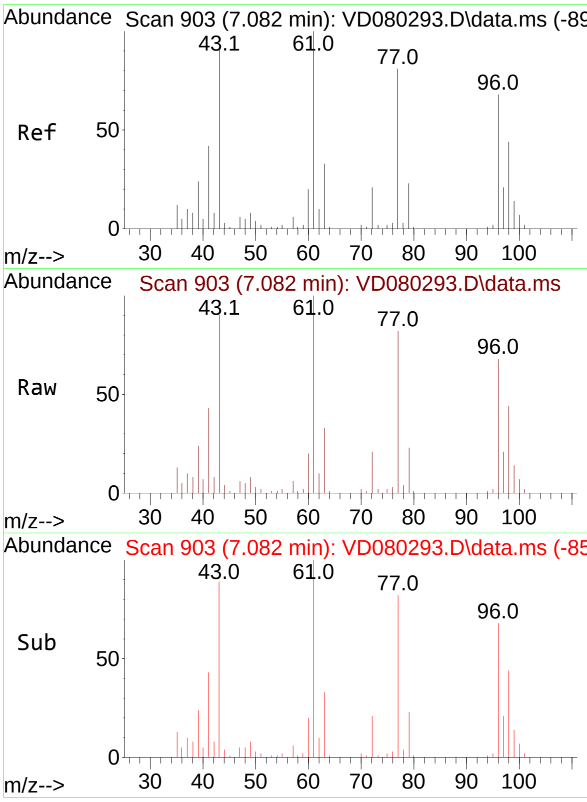

#25
2-Butanone
Concen: 233.978 ug/l
RT: 7.082 min Scan# 90
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 107371
Ion Ratio Lower Upper
43 100
72 23.7 19.0 28.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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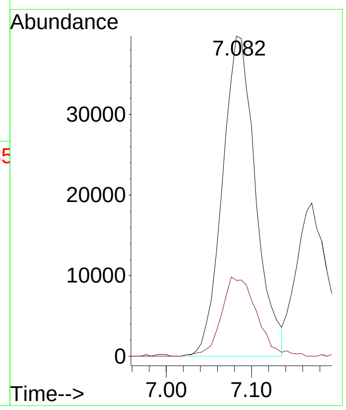
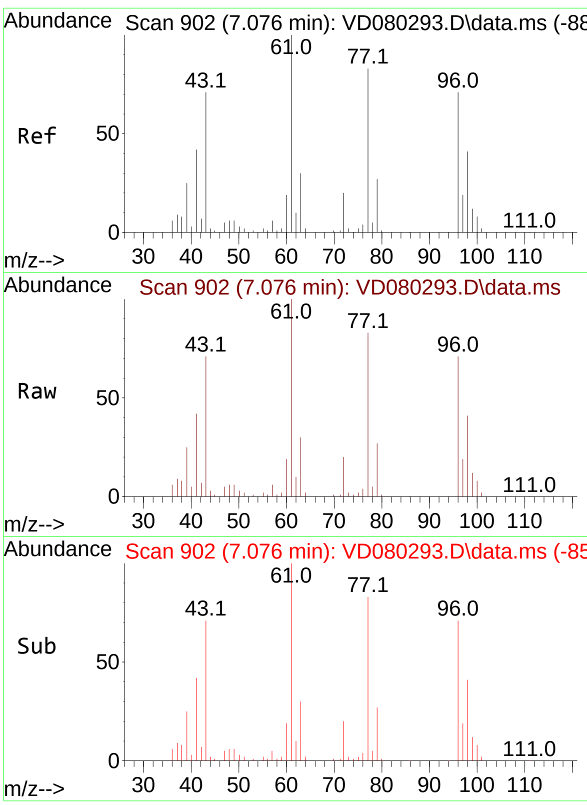
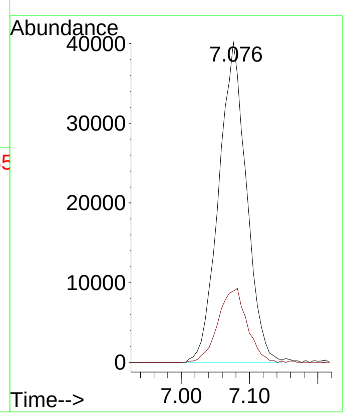
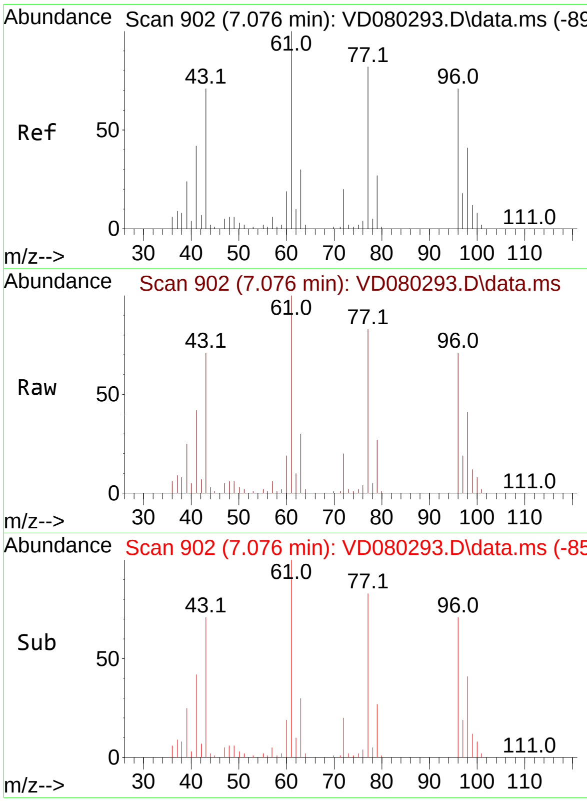




#26
2,2-Dichloropropane
Concen: 44.895 ug/l
RT: 7.076 min Scan# 902
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 77 Resp: 113734
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.1





#27
cis-1,2-Dichloroethene
Concen: 45.490 ug/l
RT: 7.076 min Scan# 90
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 96 Resp: 85505

Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	293.8
98	64.4	0.0	128.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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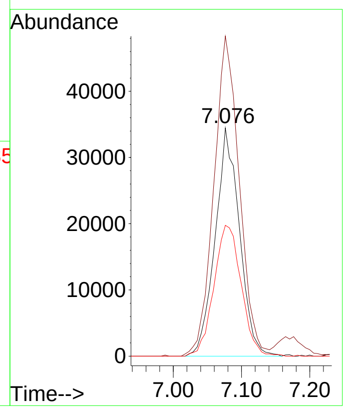
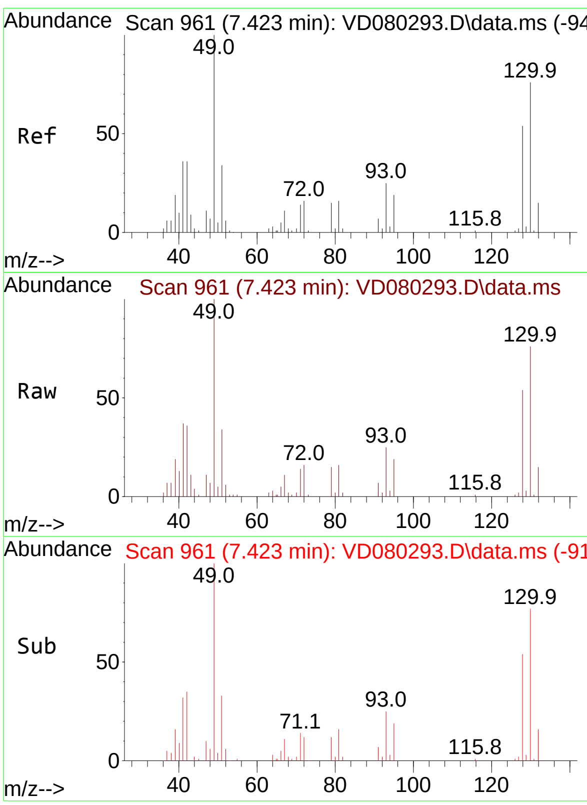
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

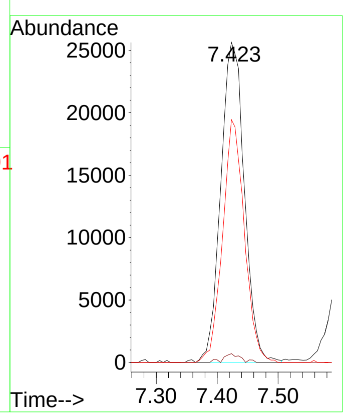


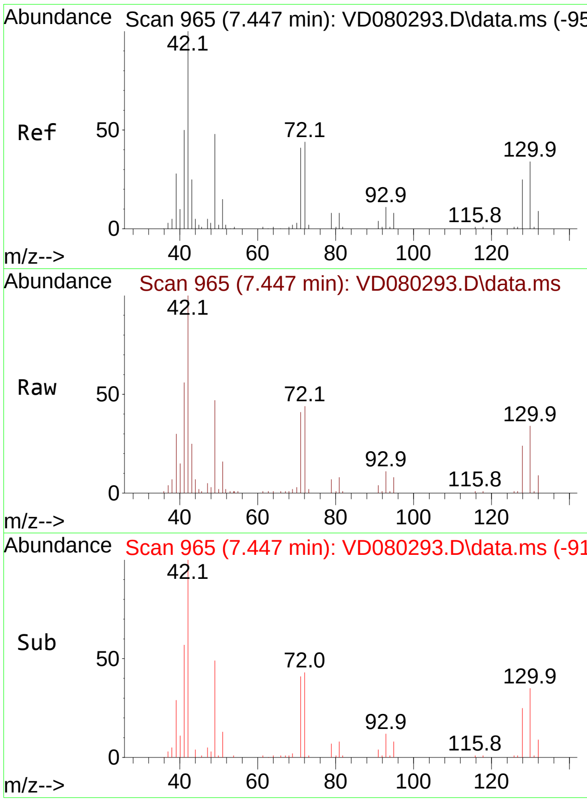


#28
Bromochloromethane
Concen: 46.680 ug/l
RT: 7.423 min Scan# 961
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 49 Resp: 69195

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.0	56.0	84.0





#29
Tetrahydrofuran
Concen: 238.175 ug/l
RT: 7.447 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 7126

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	42.2	33.8	50.6

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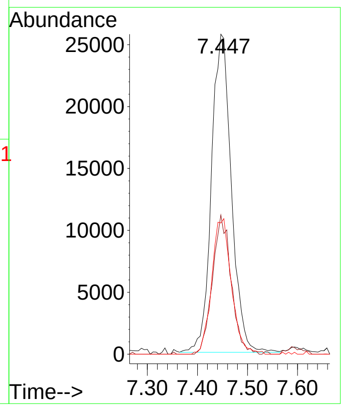
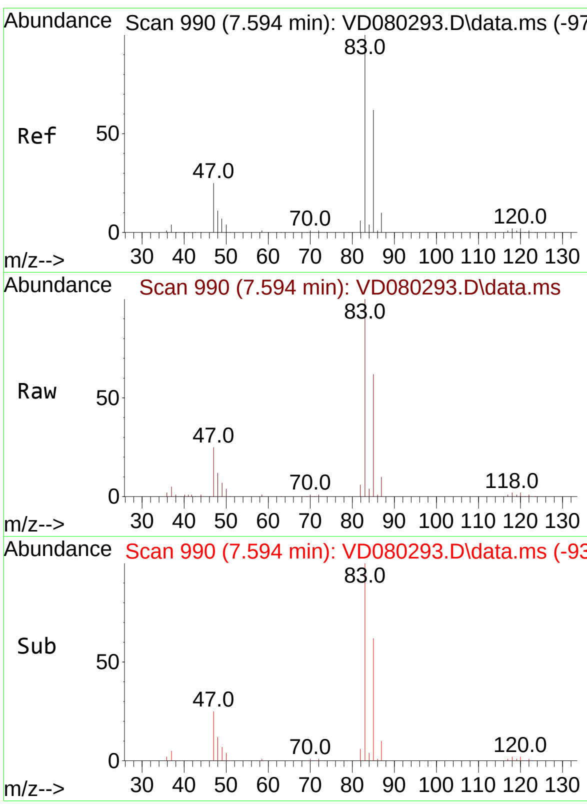
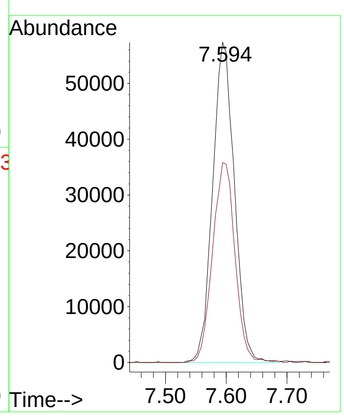


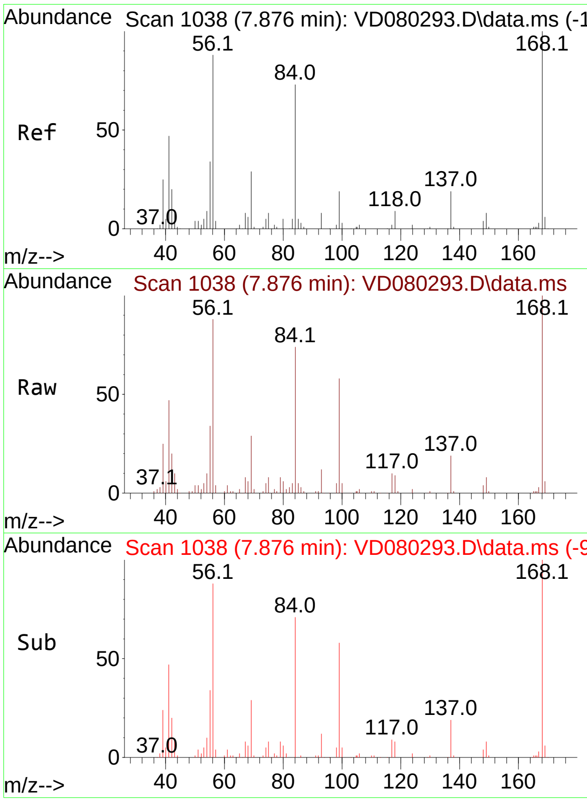


#30
Chloroform
Concen: 44.977 ug/l
RT: 7.594 min Scan# 990
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 83 Resp: 142796

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0





#31
Cyclohexane
Concen: 43.753 ug/l
RT: 7.876 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 118551

Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.1	39.1
84	83.1	66.5	99.7

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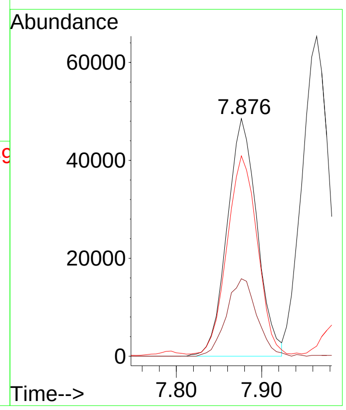
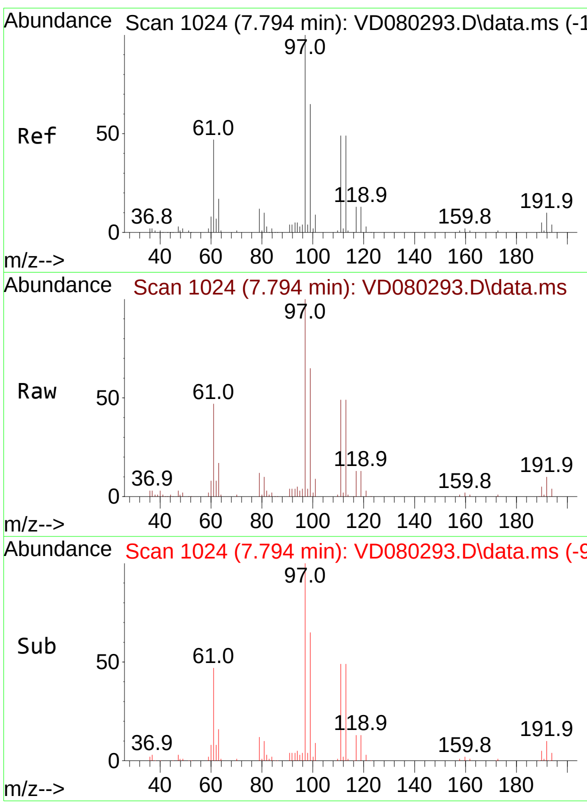
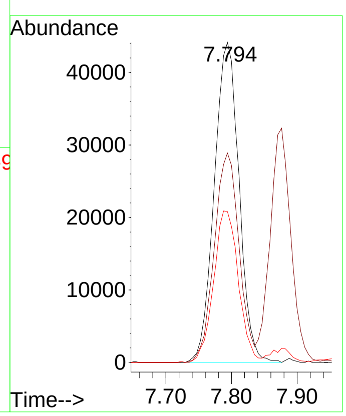


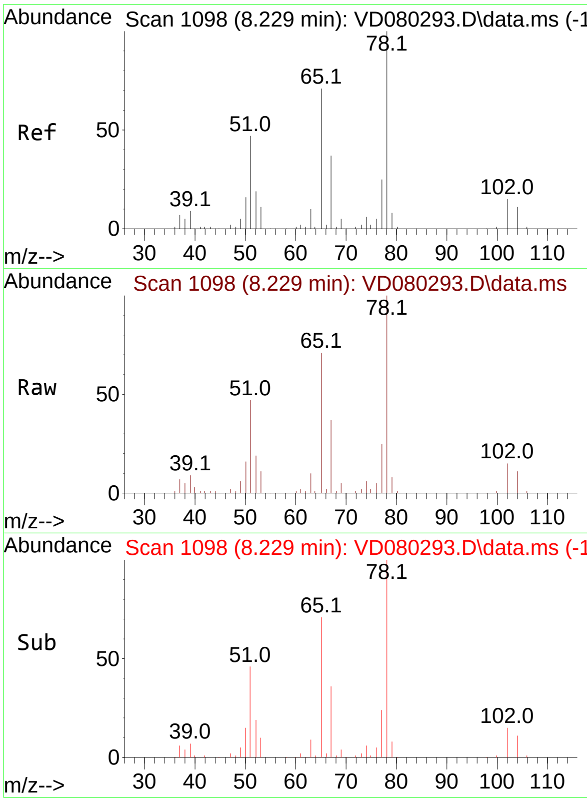


#32
1,1,1-Trichloroethane
Concen: 44.690 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 97 Resp: 115758

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	47.4	37.9	56.9





#33
1,2-Dichloroethane-d4
Concen: 45.642 ug/l
RT: 8.229 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 65 Resp: 7612

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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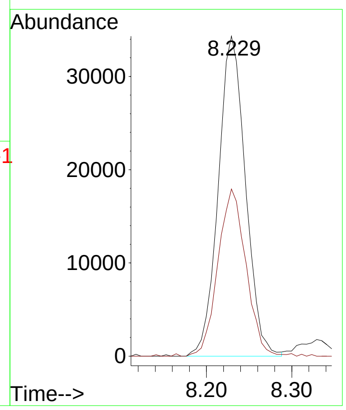
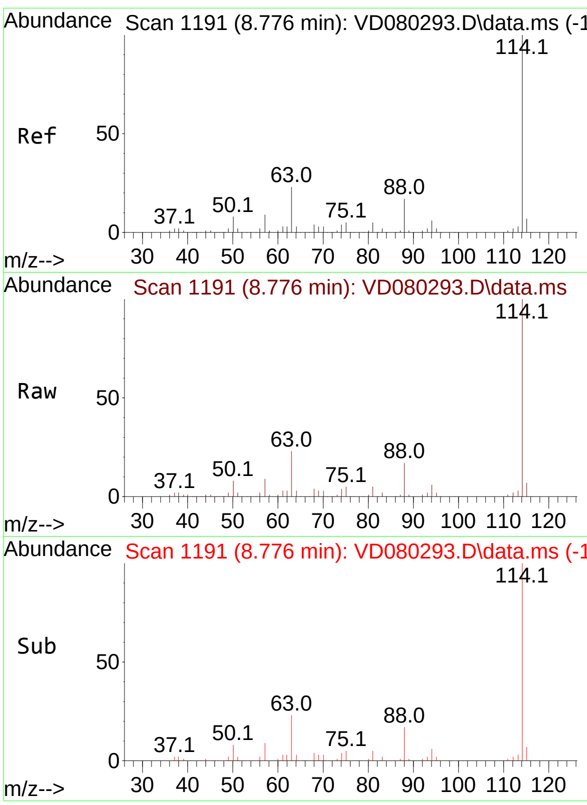
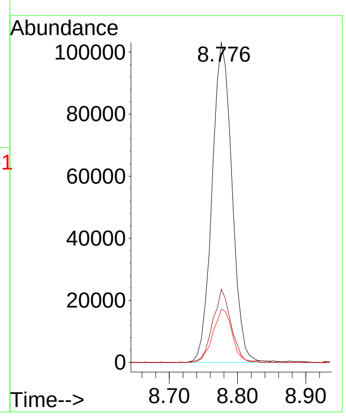


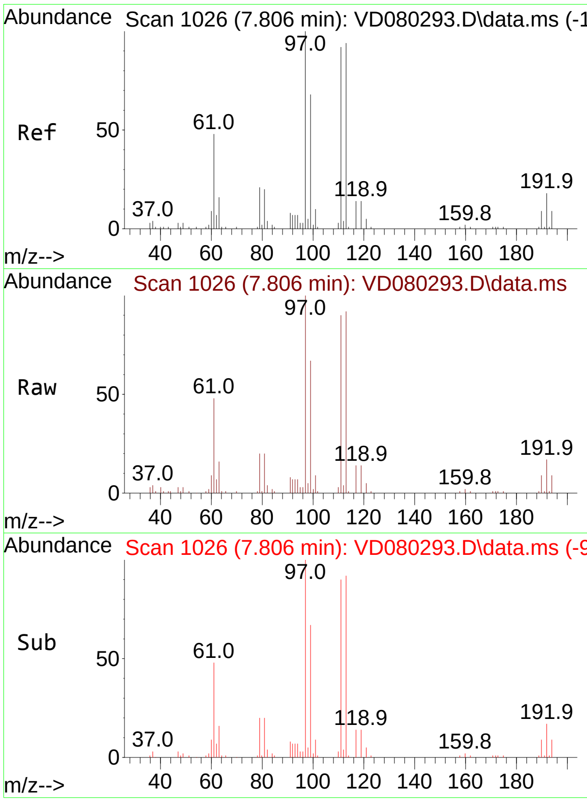


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:114 Resp: 210047

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	45.6
88	16.6	0.0	33.2





#35
Dibromofluoromethane
Concen: 49.899 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 7024

Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.7	121.1
192	19.6	15.7	23.5

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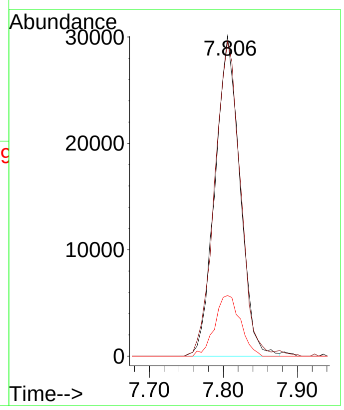
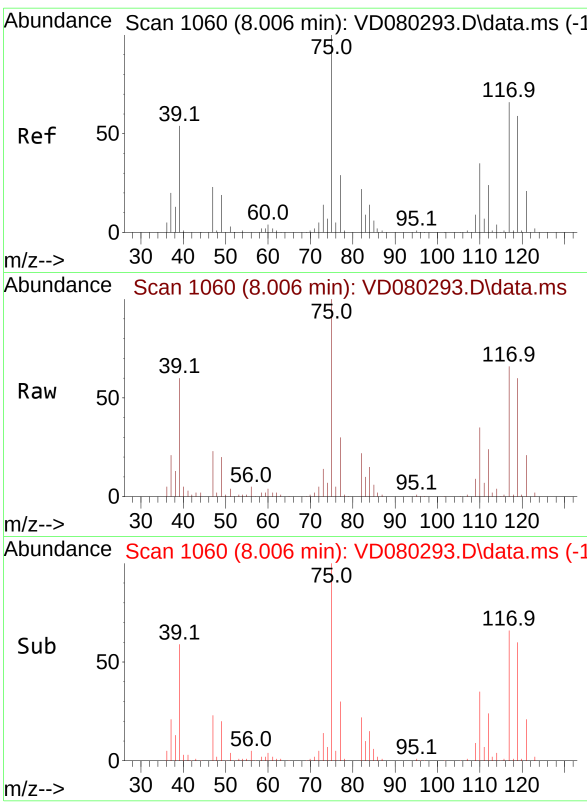
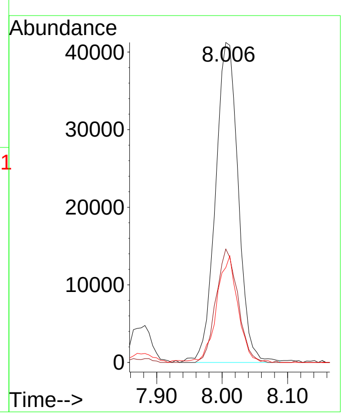




#36
1,1-Dichloropropene
Concen: 47.404 ug/l
RT: 8.006 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 75 Resp: 99739

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	31.1	24.9	37.3



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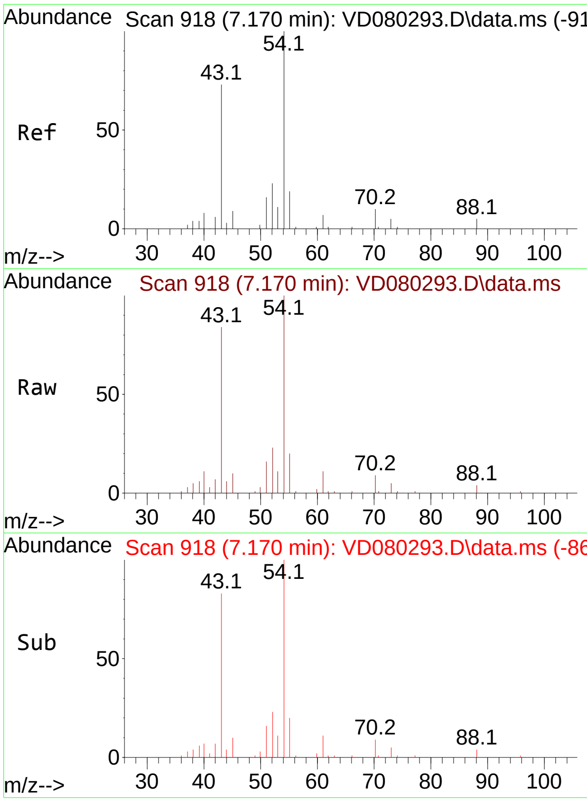


#37
Ethyl Acetate
Concen: 46.506 ug/l
RT: 7.170 min   Scan# 91
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

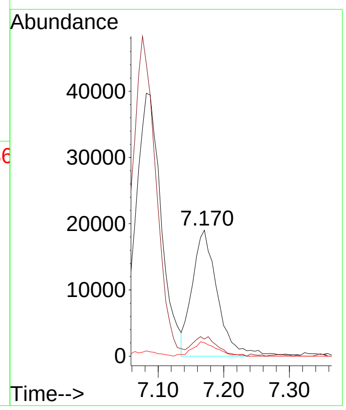
Tgt Ion: 43 Resp: 5103

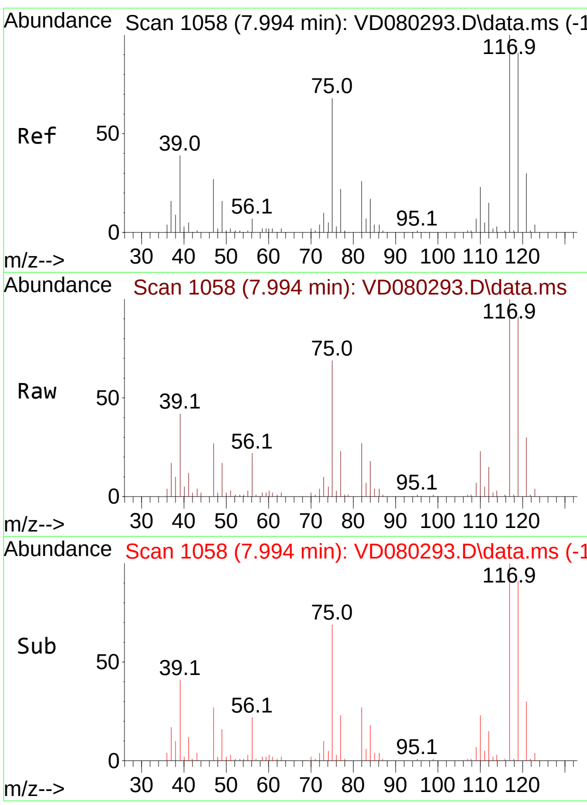
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	10.9	8.7	13.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

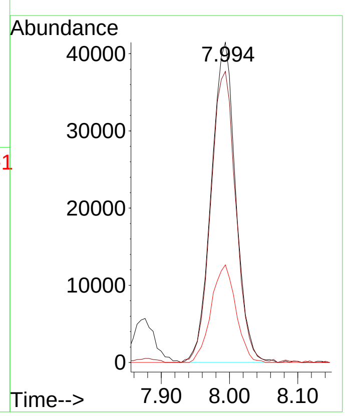


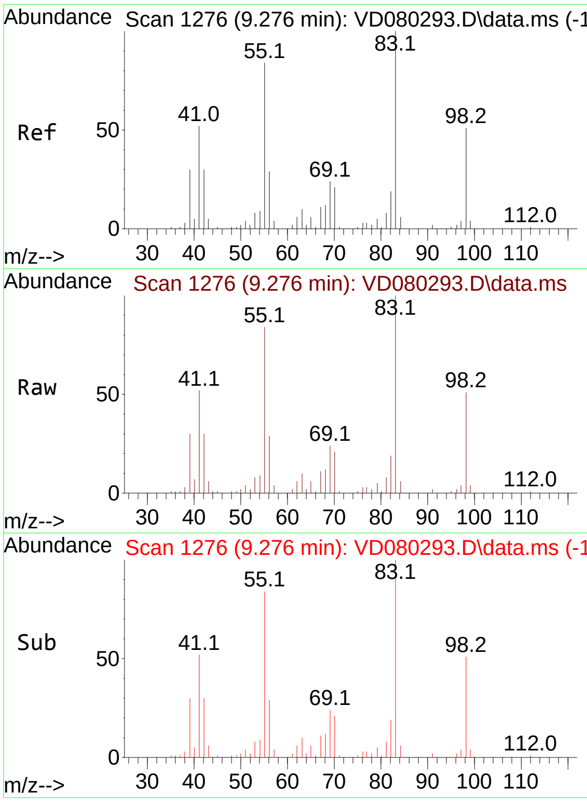


#38
Carbon Tetrachloride
Concen: 47.075 ug/l
RT: 7.994 min   Scan# 1058
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Tgt Ion:117 Resp: 103294

Ion	Ratio	Lower	Upper
117	100		
119	90.9	72.7	109.1
121	30.5	24.4	36.6





#39
Methylcyclohexane
Concen: 46.784 ug/l
RT: 9.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 11422

Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.4	101.2
98	50.8	40.6	61.0

Manual Integrations
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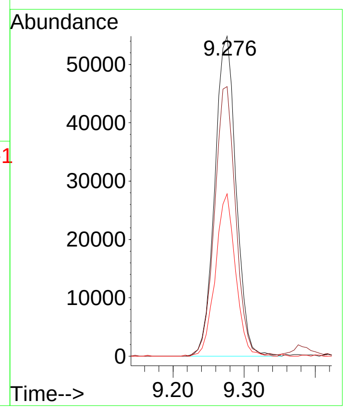
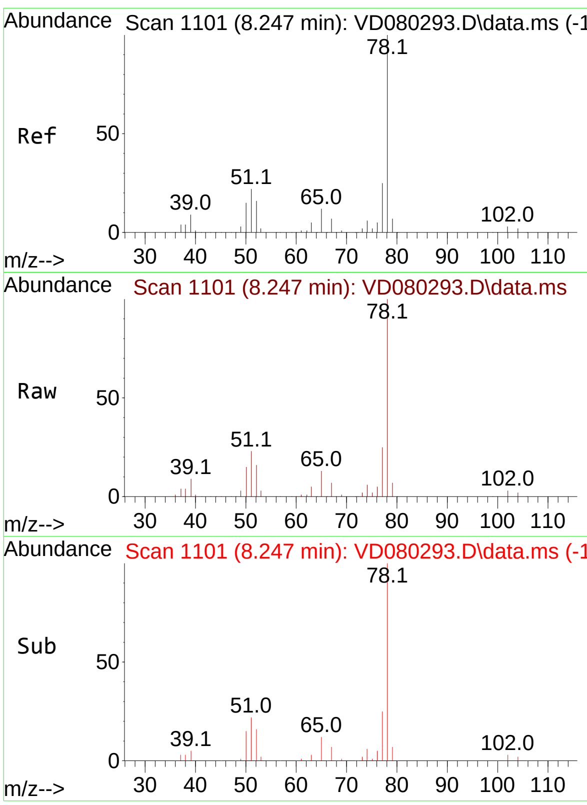
Supervised By :Semsettin Yesilyurt 05/07/2025

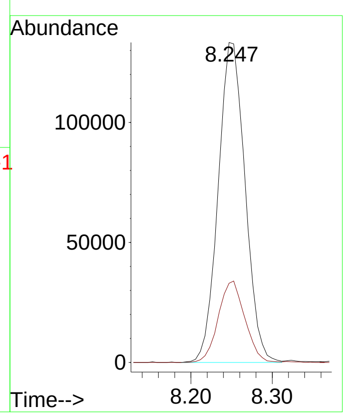




#40
Benzene
Concen: 46.576 ug/l
RT: 8.247 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 78 Resp: 307055

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.8



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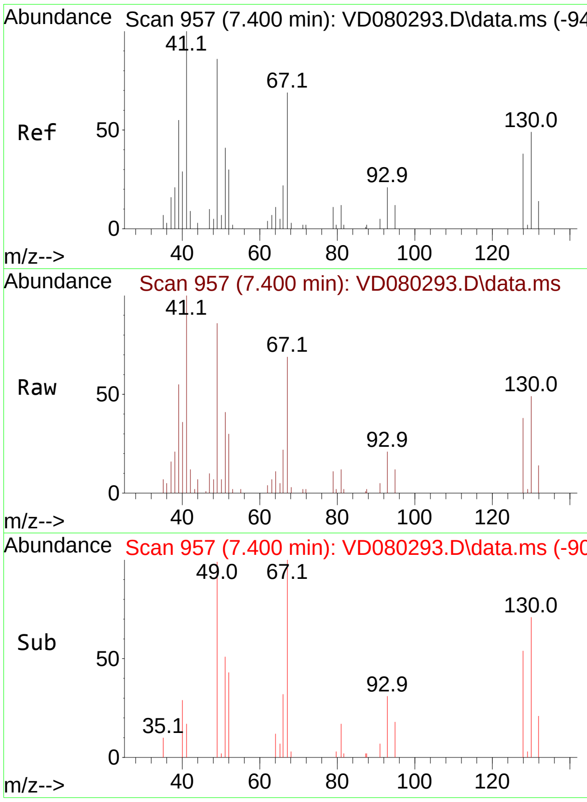

#41
Methacrylonitrile
Concen: 44.472 ug/l
RT: 7.400 min Scan# 9
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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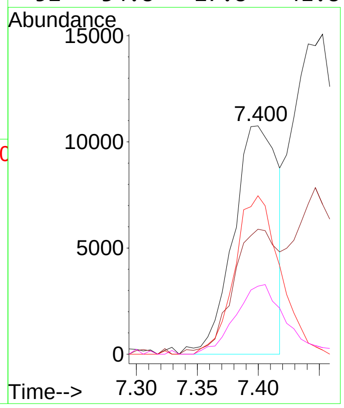
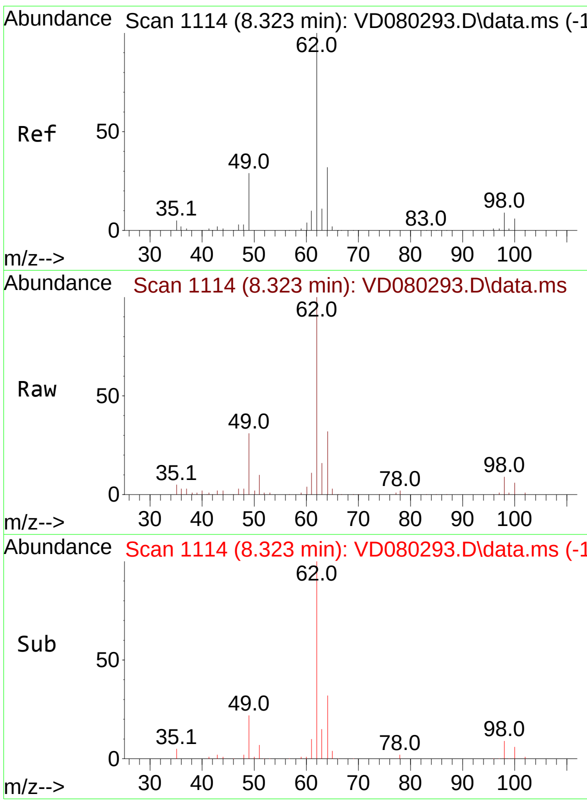
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 41 Resp: 2707

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	71.4	57.1	85.7
52	34.8	27.8	41.8

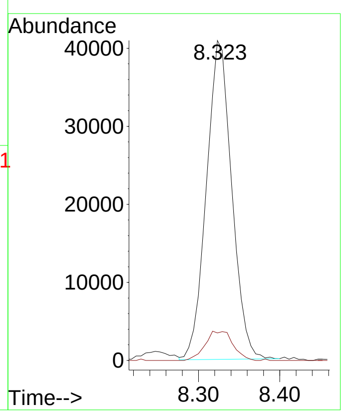


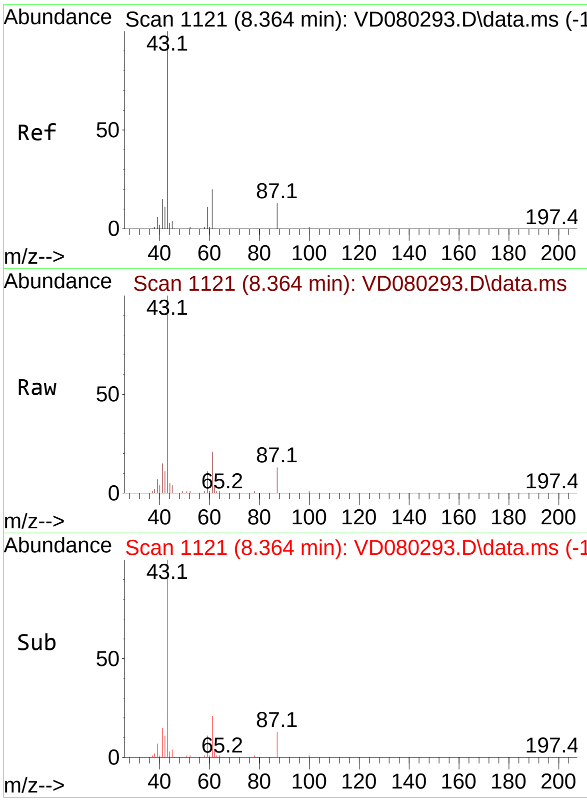


#42
1,2-Dichloroethane
Concen: 46.397 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 62 Resp: 88634

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43
Isopropyl Acetate
Concen: 48.454 ug/l
RT: 8.364 min Scan# 1121
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 96669

Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.7	25.1
87	13.0	10.4	15.6

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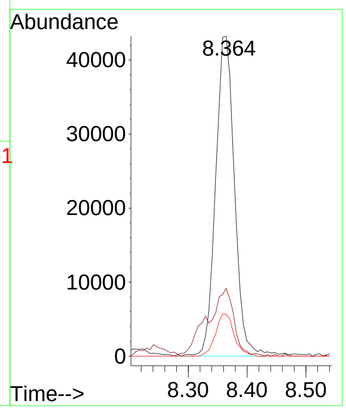
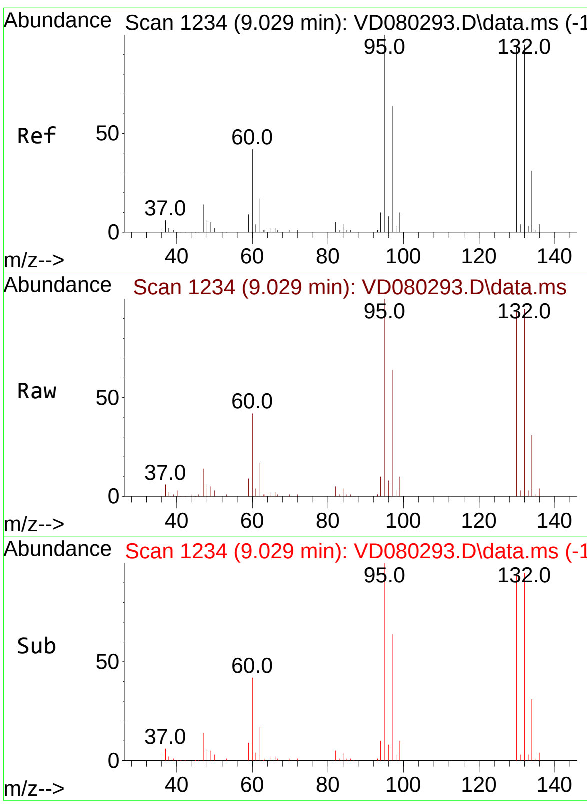
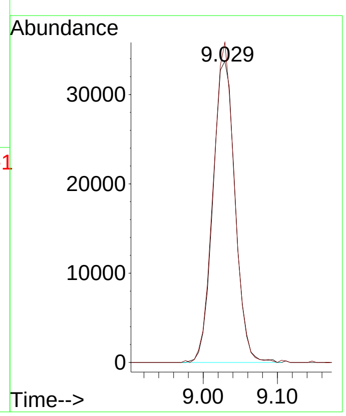




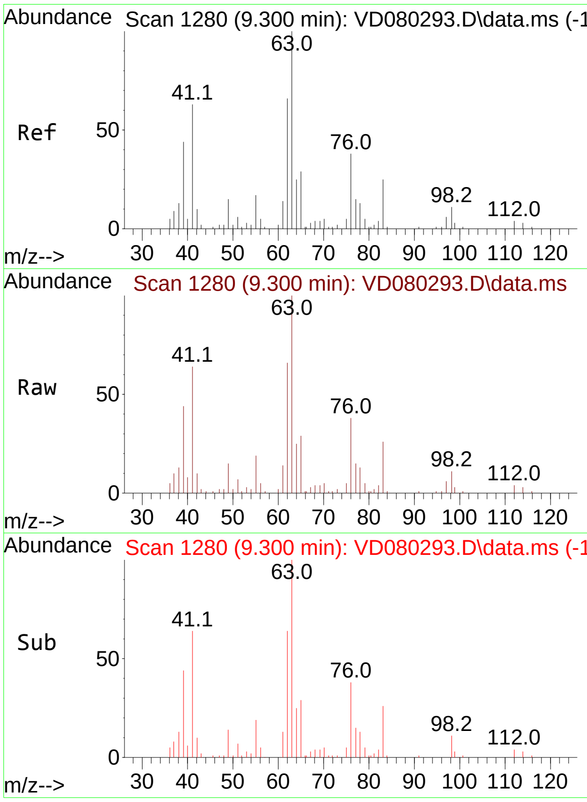
#44
Trichloroethene
Concen: 45.794 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:130 Resp: 70080

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	212.2



ICAL Form



#45
1,2-Dichloropropane
Concen: 47.901 ug/l
RT: 9.300 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 8098

Ion	Ratio	Lower	Upper
63	100		
65	28.6	22.9	34.3

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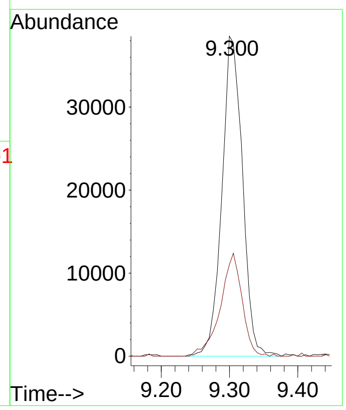
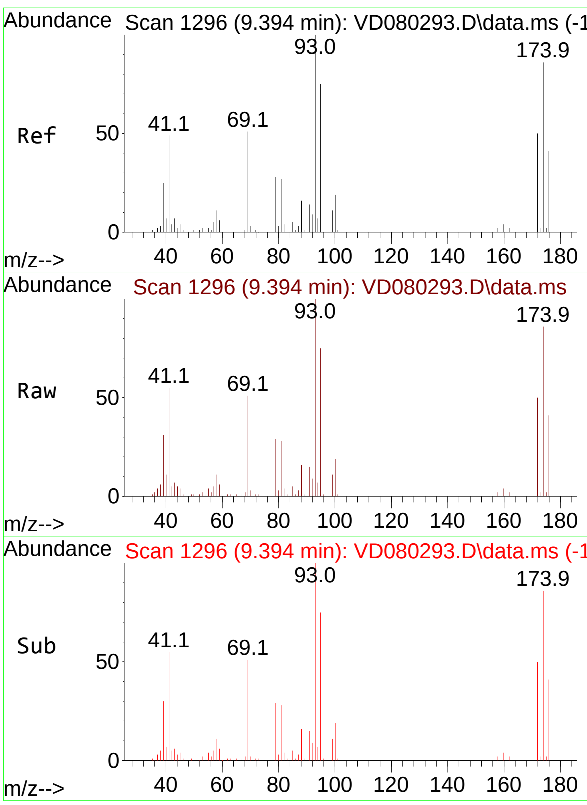
Supervised By :Semsettin Yesilyurt 05/07/2025

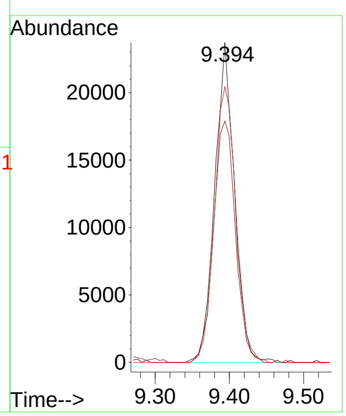




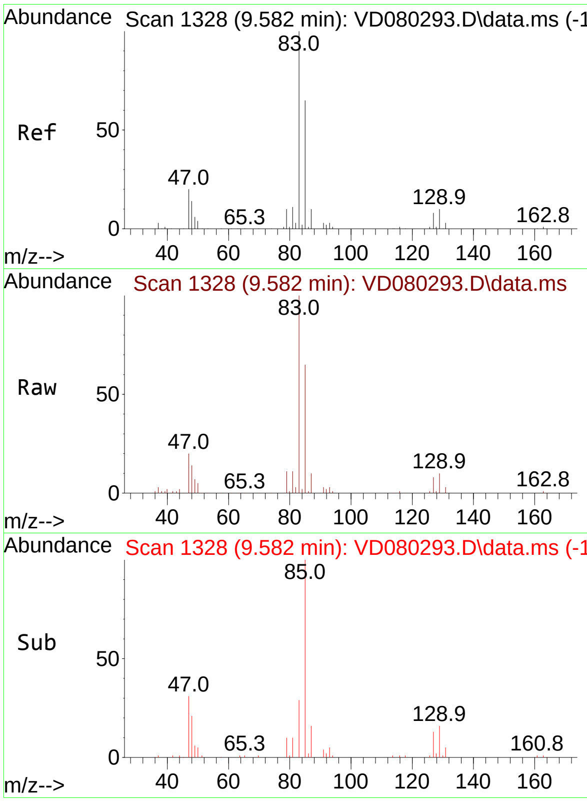
#46
Dibromomethane
Concen: 47.673 ug/l
RT: 9.394 min Scan# 1296
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 93 Resp: 43885

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.3	100.9
174	94.4	75.5	113.3



ICAL Form



#47
Bromodichloromethane
Concen: 47.431 ug/l
RT: 9.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 11082

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	8.2	6.6	9.8

Manual Integrations
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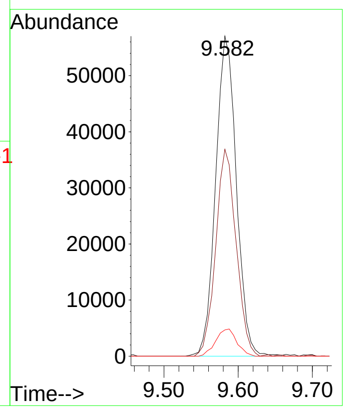
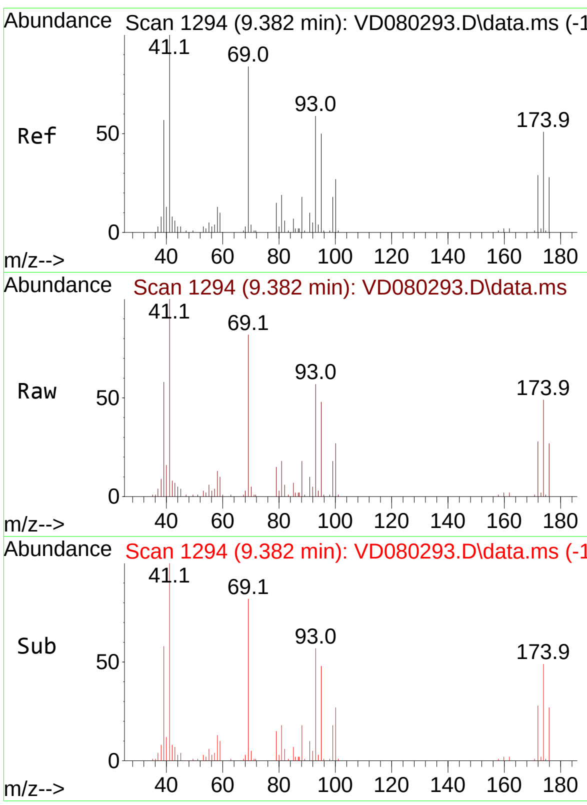
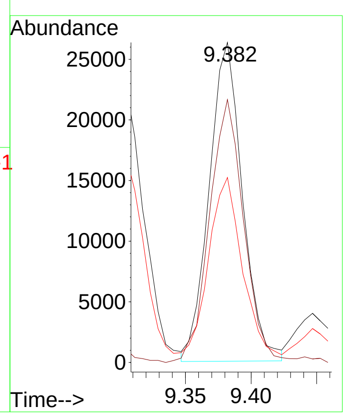




#48
Methyl methacrylate
Concen: 48.938 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 41 Resp: 46391

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	59.4	47.5	71.3



Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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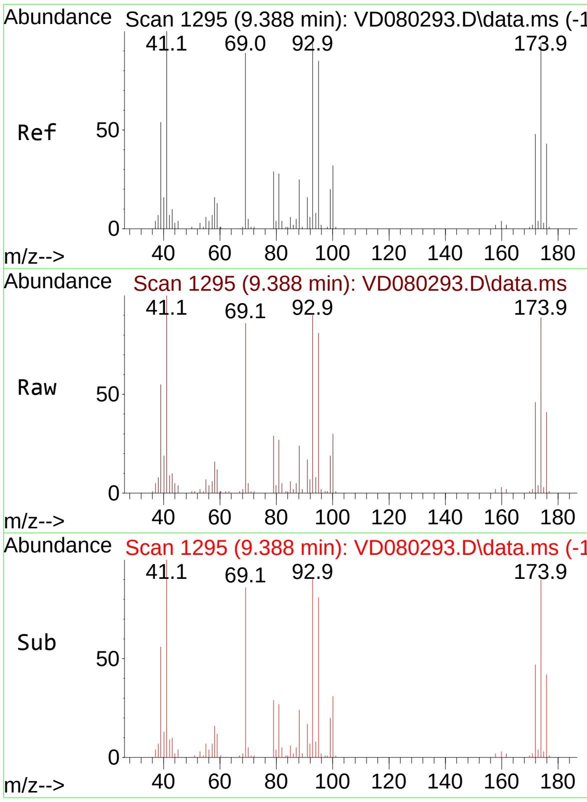
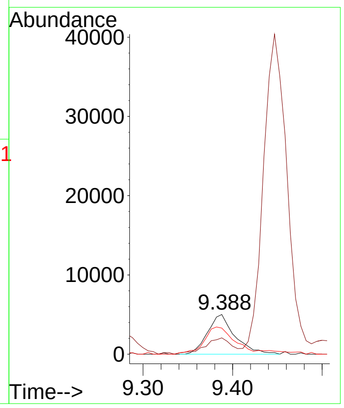
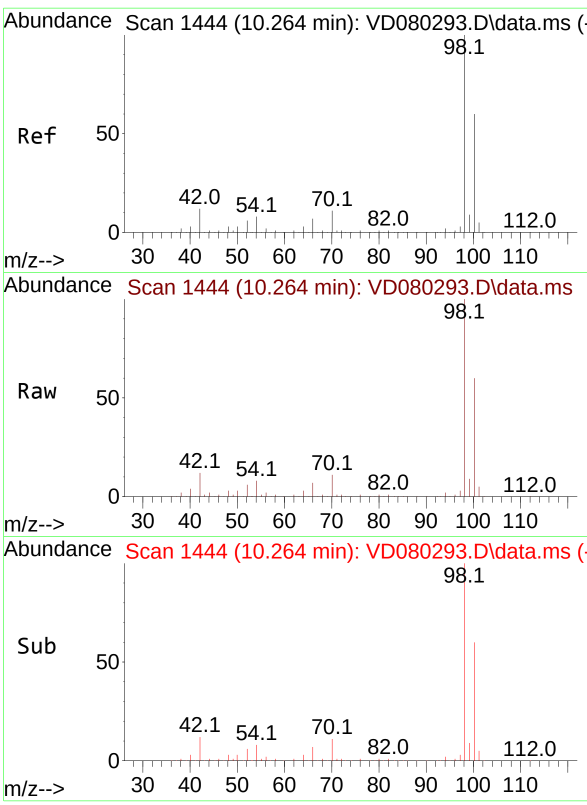


#49
1,4-Dioxane
Concen: 971.810 ug/l
RT: 9.388 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 88 Resp: 1063

Ion	Ratio	Lower	Upper
88	100		
43	39.3	31.4	47.2
58	77.2	61.8	92.6

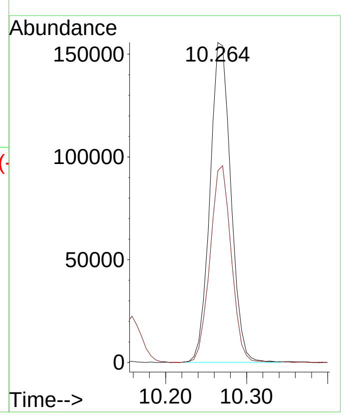




#50
Toluene-d8
Concen: 50.359 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 98 Resp: 279337

Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.0	75.0



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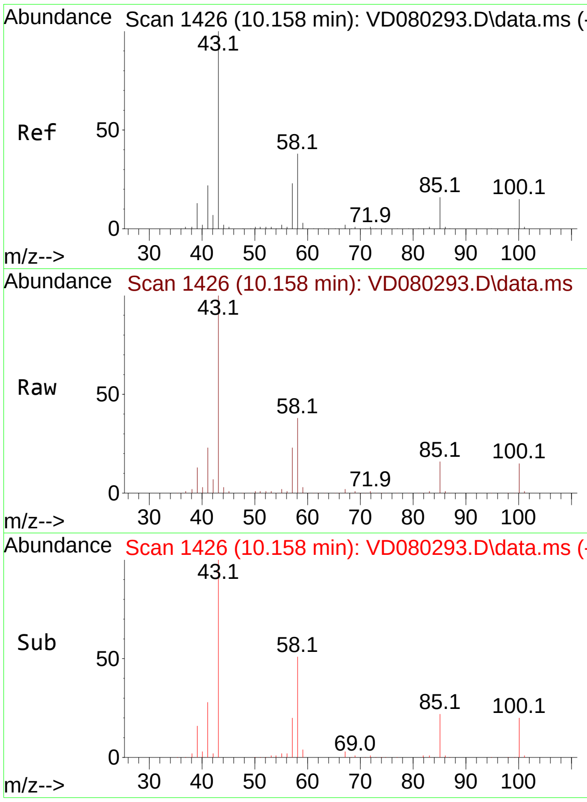

#51
4-Methyl-2-Pentanone
Concen: 253.710 ug/l
RT: 10.158 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 26080

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.6	46.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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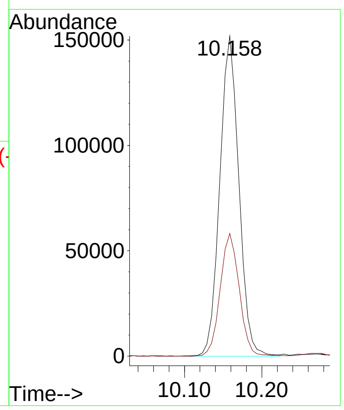
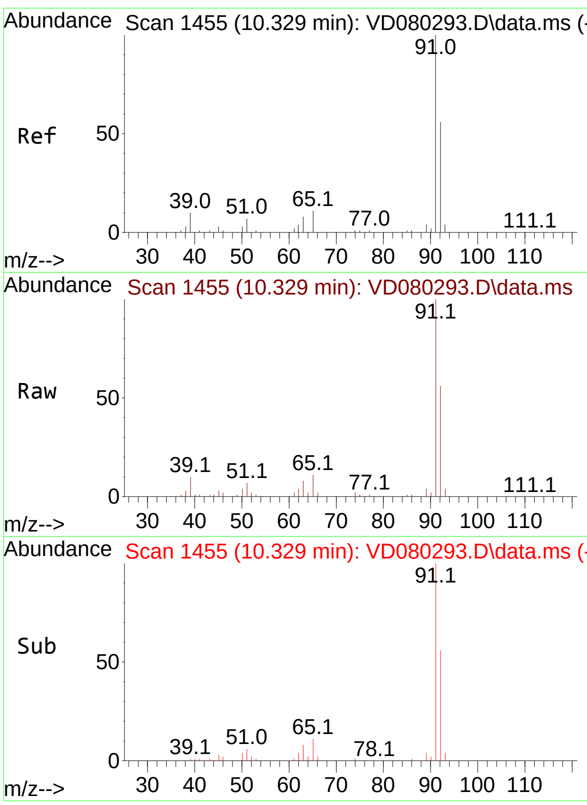
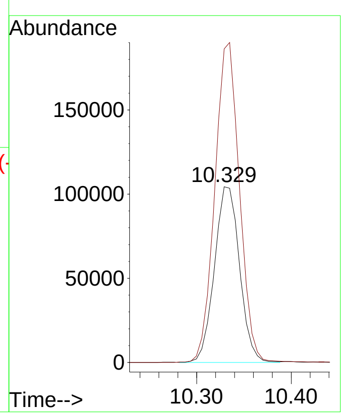


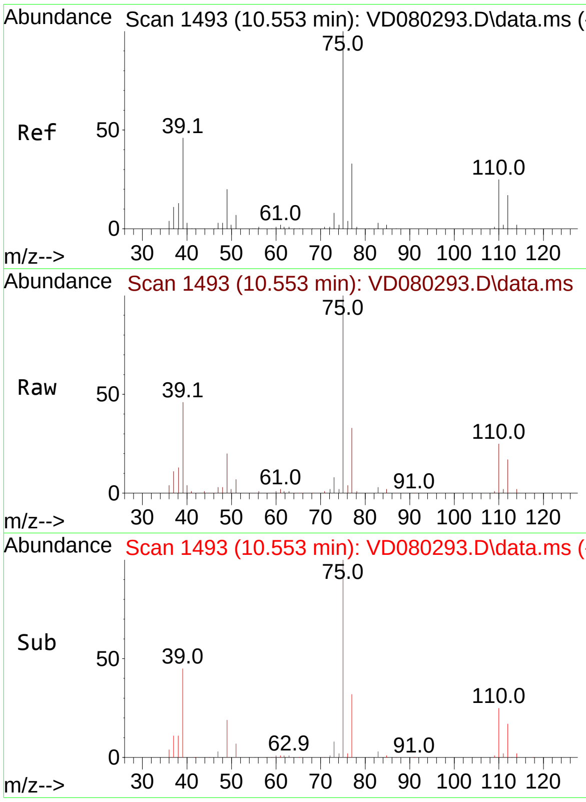


#52
Toluene
Concen: 48.532 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 92 Resp: 192753

Ion	Ratio	Lower	Upper
92	100		
91	179.3	143.4	215.2





#53
t-1,3-Dichloropropene
Concen: 48.088 ug/l
RT: 10.553 min   Scan# 14
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 10243(

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0

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Reviewed By :Mahesh Dadoda   05/07/2025
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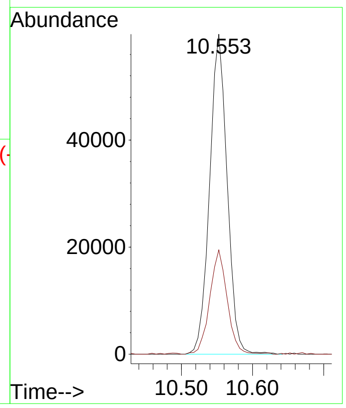
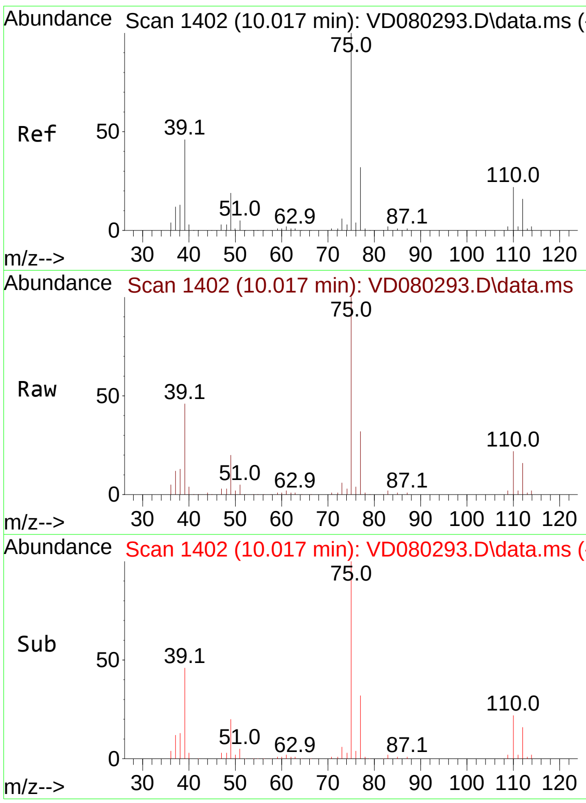
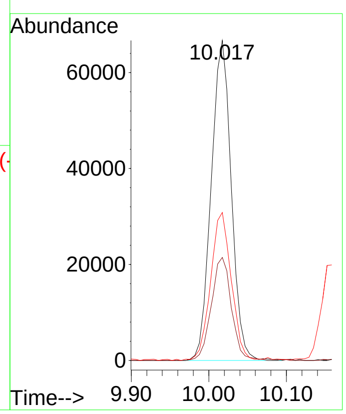


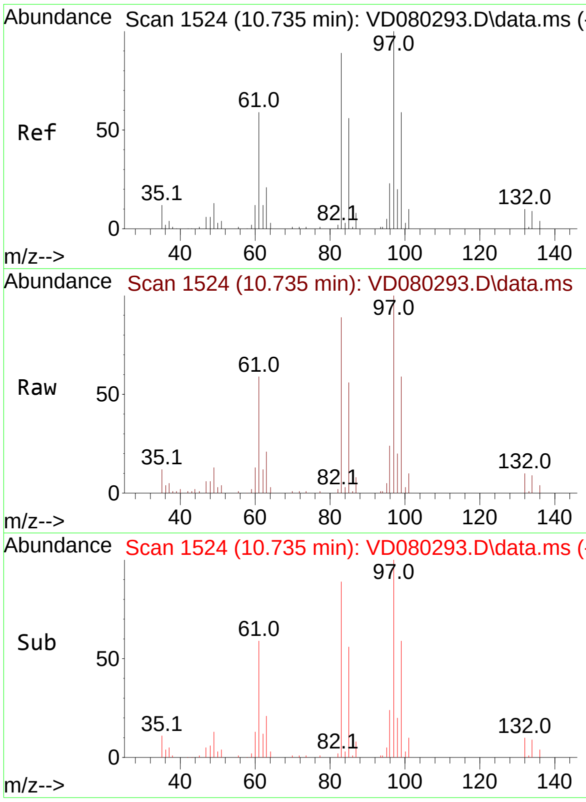


#54
cis-1,3-Dichloropropene
Concen: 48.724 ug/l
RT: 10.017 min   Scan# 1402
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Tgt Ion: 75 Resp: 120266

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	46.3	37.0	55.6





#55
1,1,2-Trichloroethane
Concen: 49.106 ug/l
RT: 10.735 min Scan# 1!
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 5979!

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.1	44.9	67.3
99	58.6	46.9	70.3

Manual Integrations
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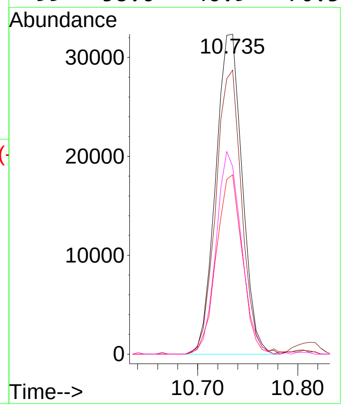
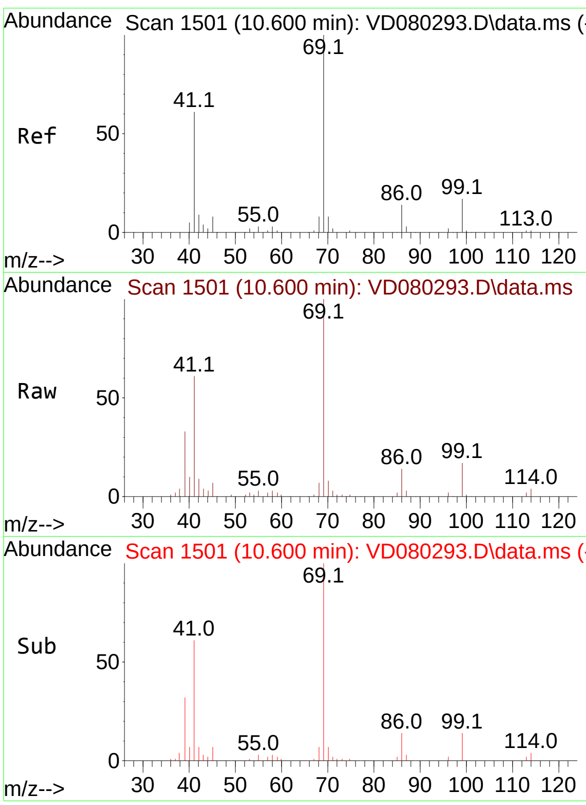
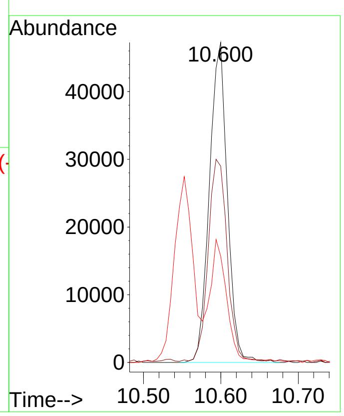


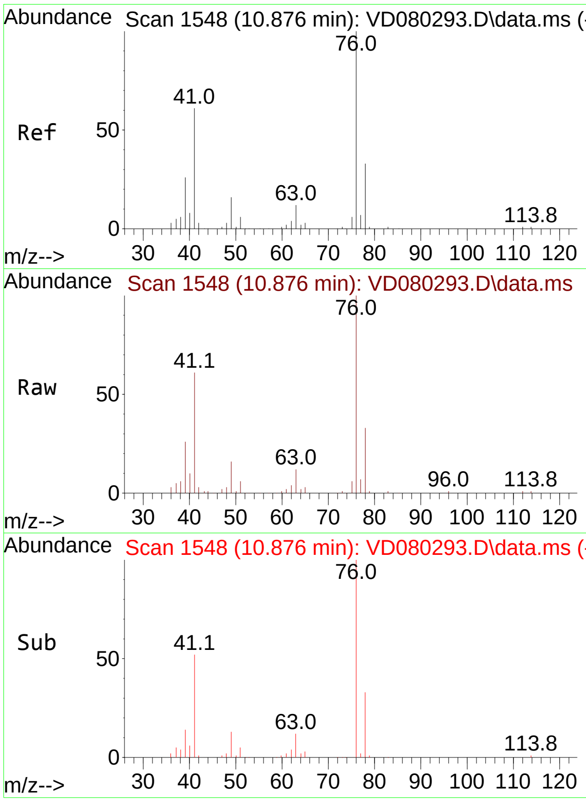


#56
Ethyl methacrylate
Concen: 51.806 ug/l
RT: 10.600 min Scan# 1501
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 69 Resp: 76440

Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.2	79.8
39	35.2	28.2	42.2





#57
1,3-Dichloropropane
Concen: 47.953 ug/l
RT: 10.876 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 76 Resp: 9704

Ion	Ratio	Lower	Upper
76	100		
78	34.0	27.2	40.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
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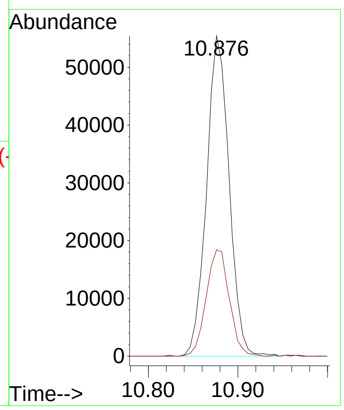
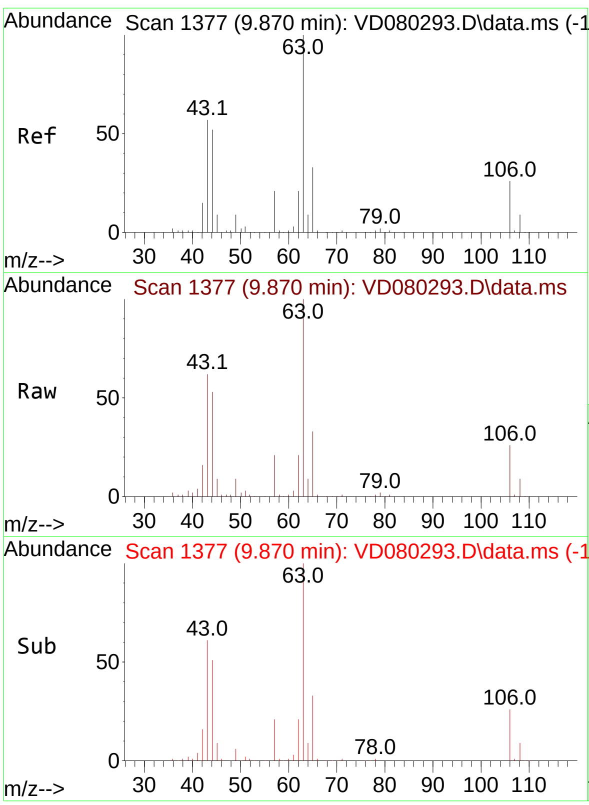
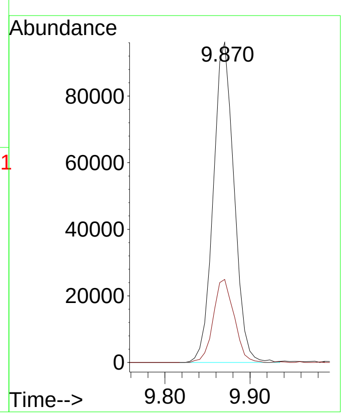




#58
2-Chloroethyl Vinyl ether
Concen: 270.621 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 63 Resp: 163412

Ion	Ratio	Lower	Upper
63	100		
106	26.0	20.8	31.2



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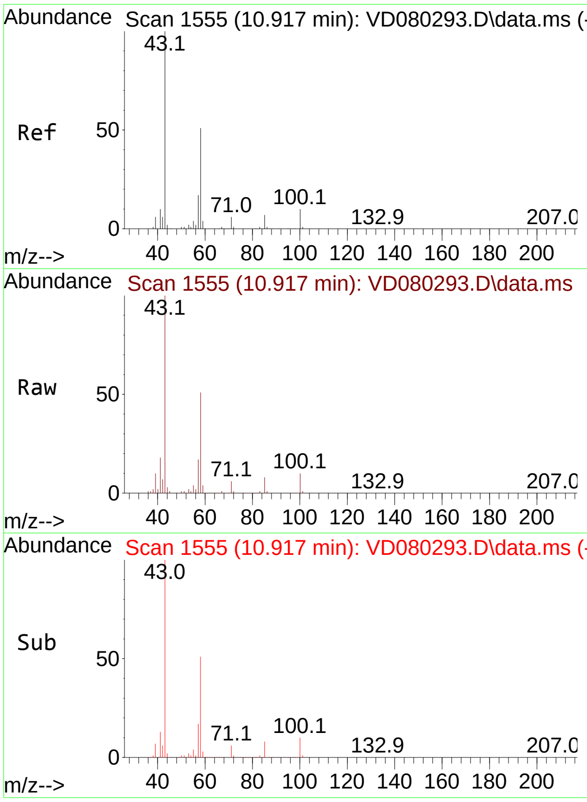
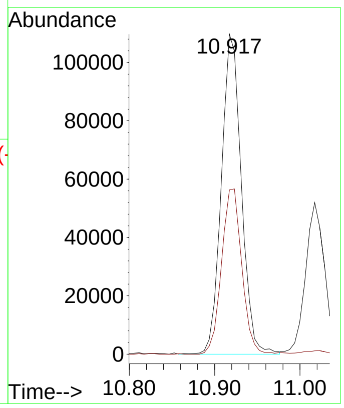


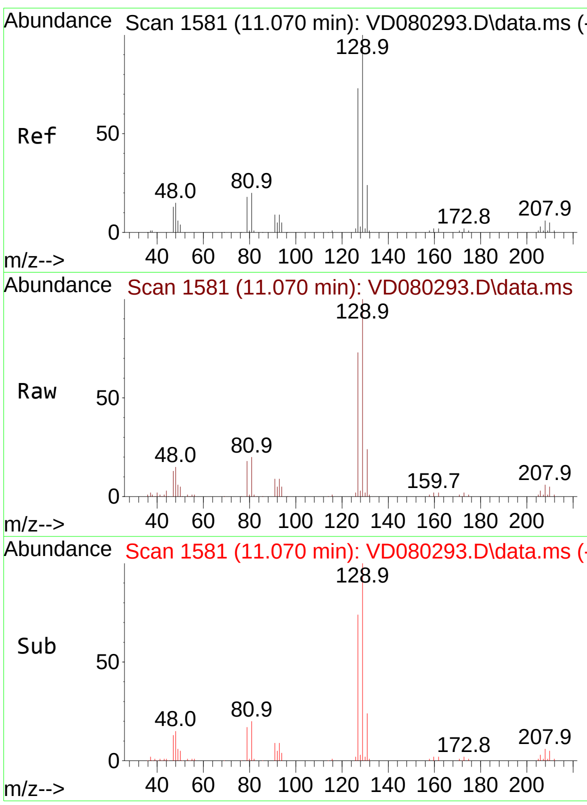
#59
2-Hexanone
Concen: 253.060 ug/l
RT: 10.917 min Scan# 1!
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 178947
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

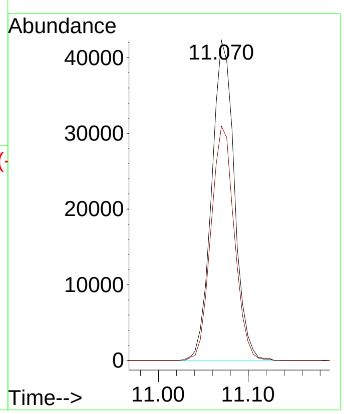
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



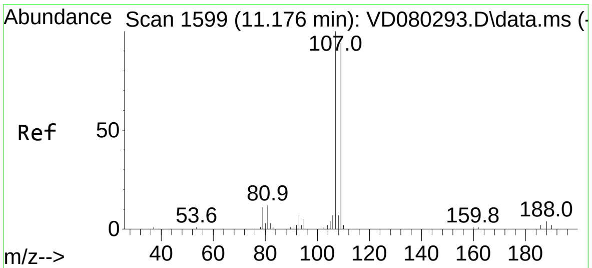


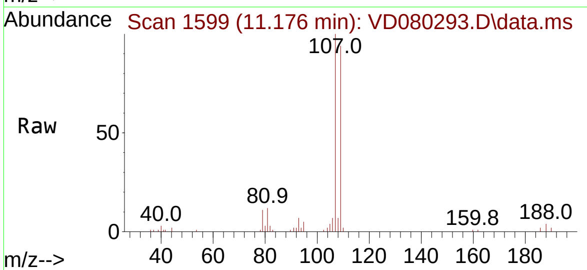
#60
Dibromochloromethane
Concen: 48.789 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

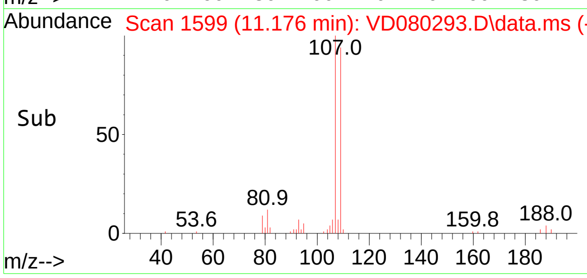
Tgt Ion:129 Resp: 74451
Ion Ratio Lower Upper
129 100
127 75.2 37.6 112.8



ICAL Form







#61
1,2-Dibromoethane
Concen: 46.820 ug/l
RT: 11.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 5286

Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

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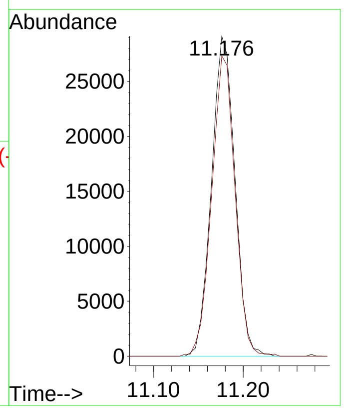
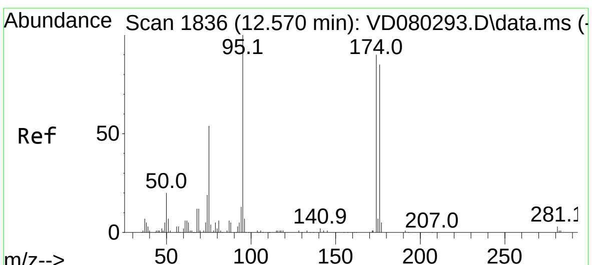
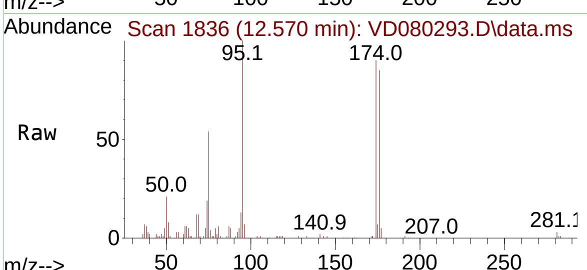
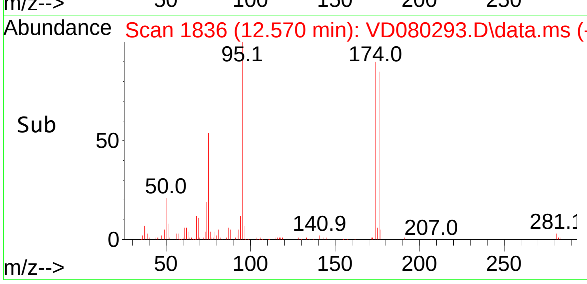
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





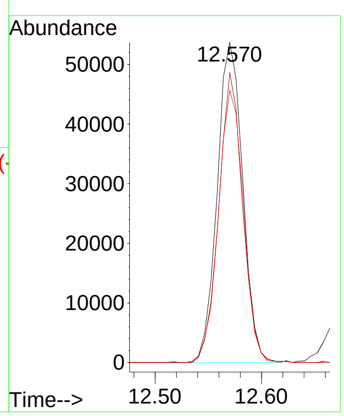


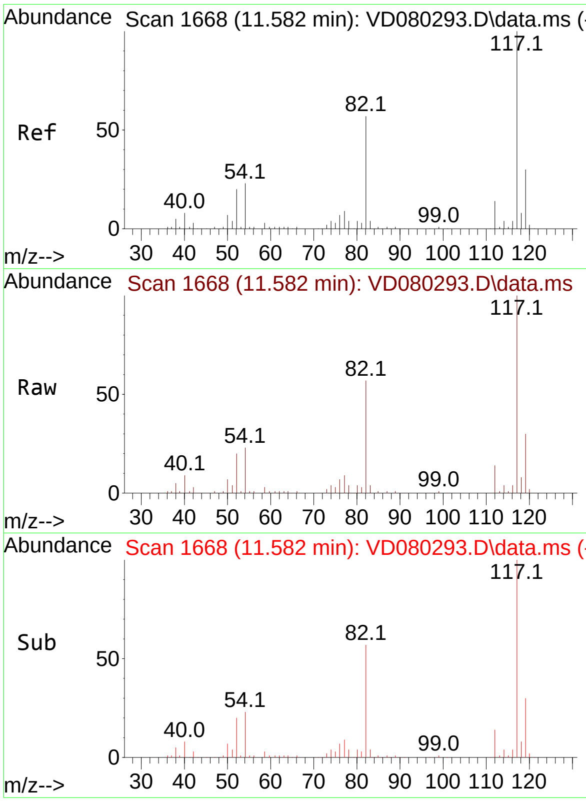


#62
4-Bromofluorobenzene
Concen: 50.122 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 95 Resp: 89237

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.9	0.0	167.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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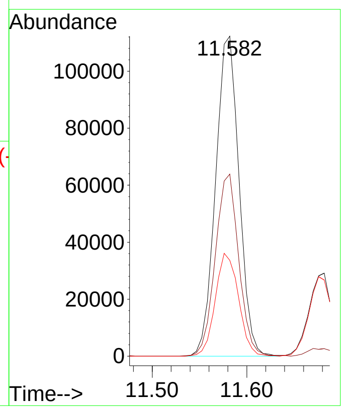
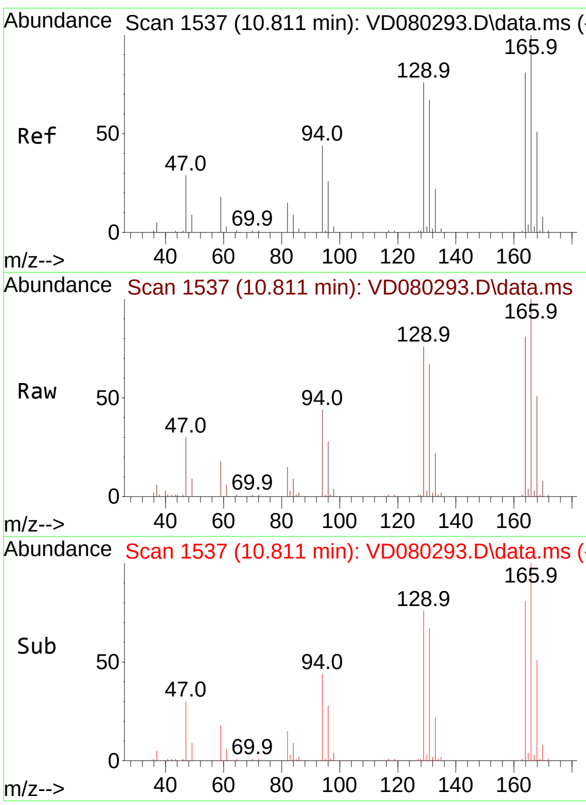
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion:117 Resp: 19378

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.5	68.3
119	30.0	24.0	36.0

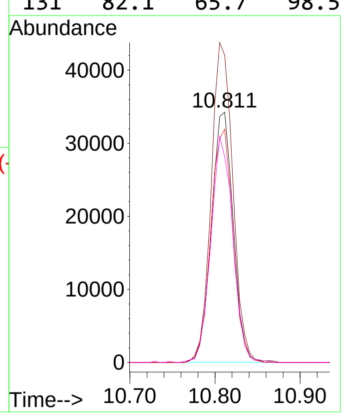




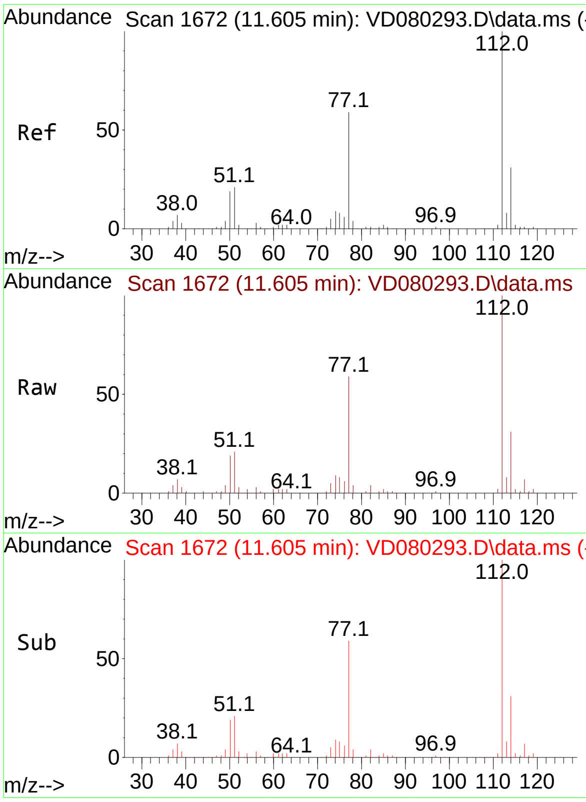
#64
Tetrachloroethene
Concen: 46.641 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:164 Resp: 61207

Ion	Ratio	Lower	Upper
164	100		
166	122.7	98.2	147.2
129	93.2	74.6	111.8
131	82.1	65.7	98.5



ICAL Form



#65
Chlorobenzene
Concen: 47.434 ug/l
RT: 11.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 20755

Ion	Ratio	Lower	Upper
112	100		
114	30.5	24.4	36.6

Manual Integrations
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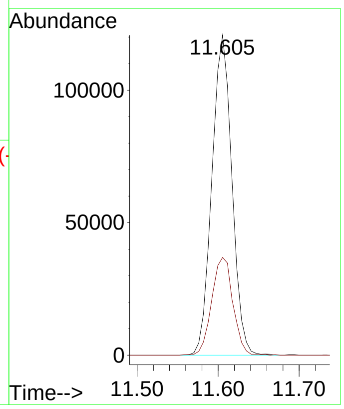
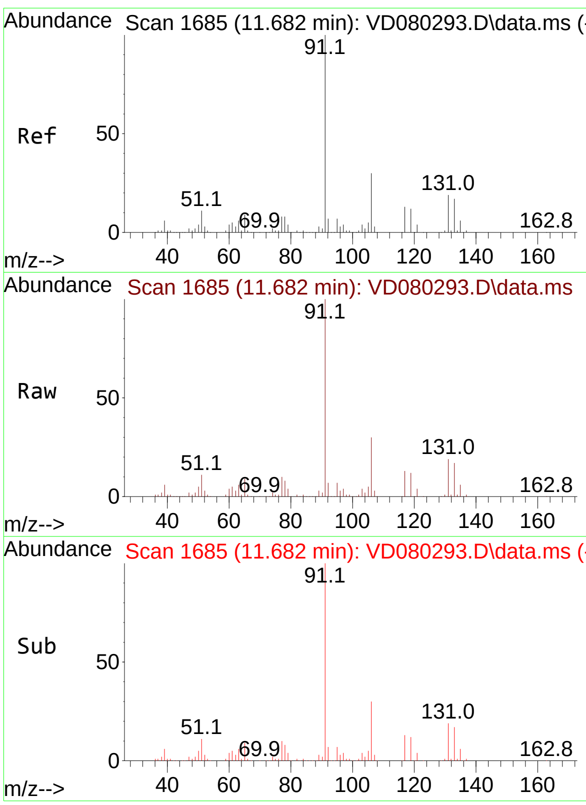
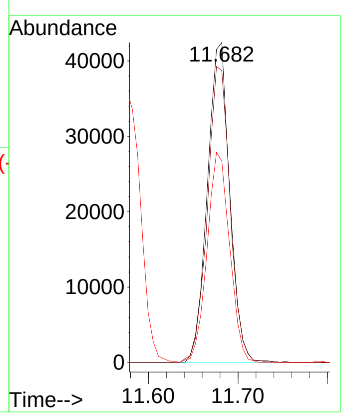




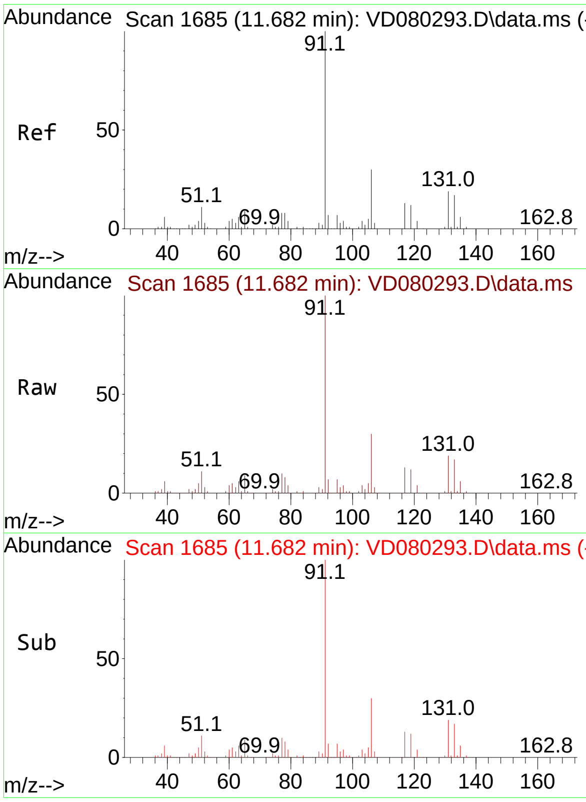
#66
1,1,1,2-Tetrachloroethane
Concen: 49.091 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:131 Resp: 73799

Ion	Ratio	Lower	Upper
131	100		
133	93.5	46.8	140.3
119	66.1	33.1	99.2



ICAL Form



#67
Ethyl Benzene
Concen: 49.204 ug/l
RT: 11.682 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 91 Resp: 35979

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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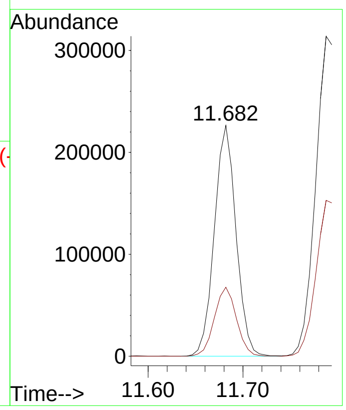
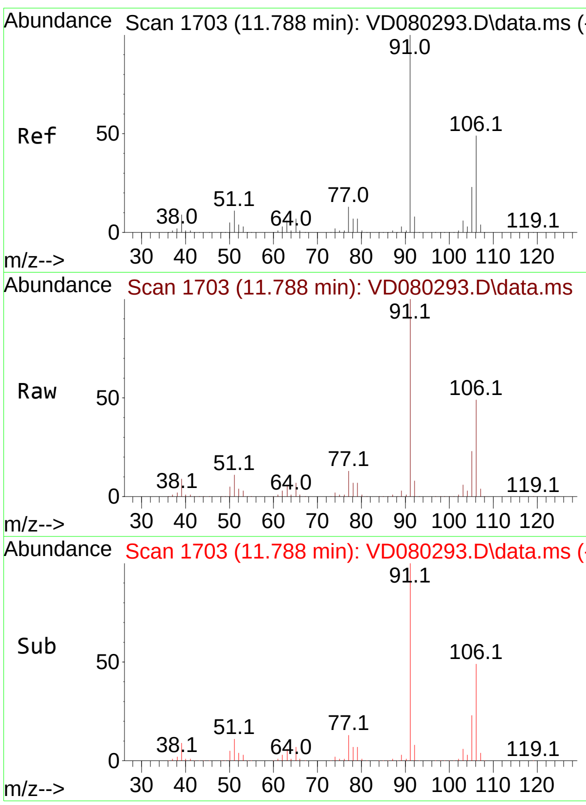
Supervised By :Semsettin Yesilyurt 05/07/2025

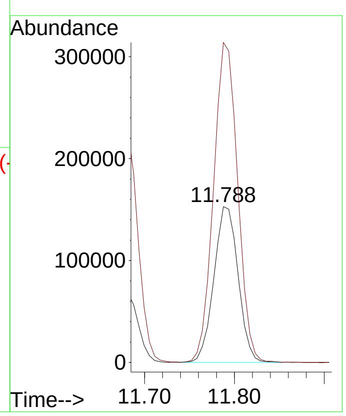




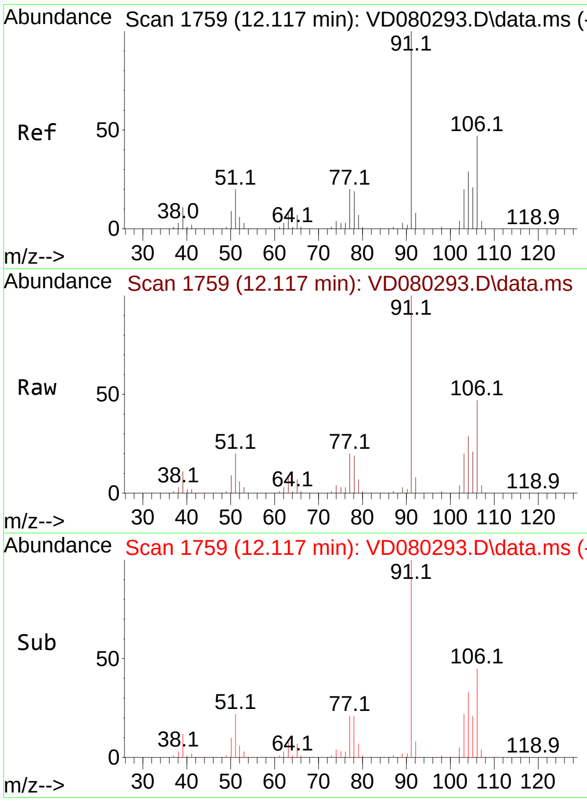
#68
m/p-Xylenes
Concen: 100.807 ug/l
RT: 11.788 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:106 Resp: 286214

Ion	Ratio	Lower	Upper
106	100		
91	205.1	164.1	246.1



ICAL Form



#69
o-Xylene
Concen: 49.699 ug/l
RT: 12.117 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:106 Resp: 12894

Ion	Ratio	Lower	Upper
106	100		
91	218.7	109.3	328.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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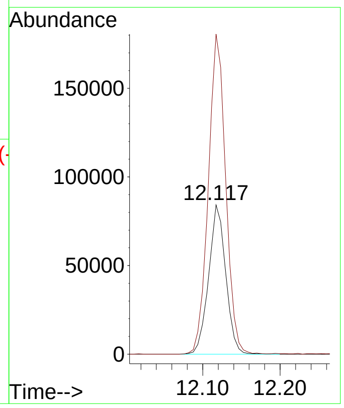
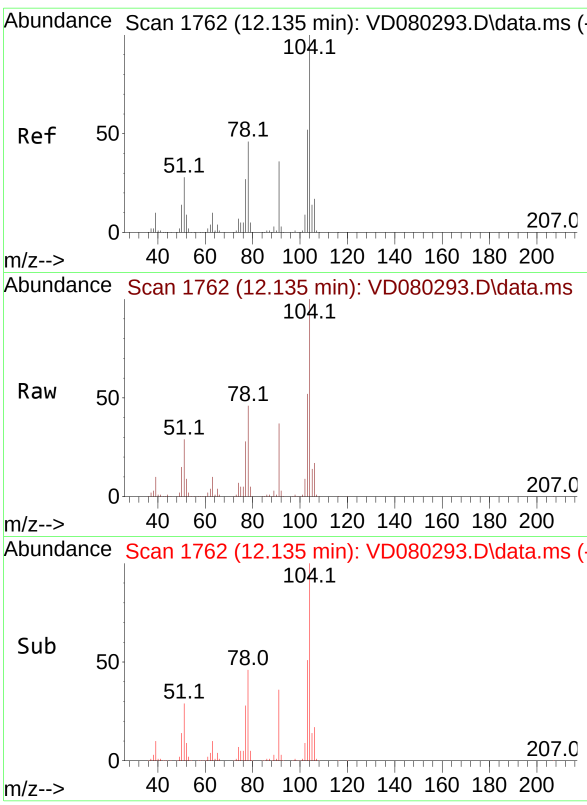
Supervised By :Semsettin Yesilyurt 05/07/2025

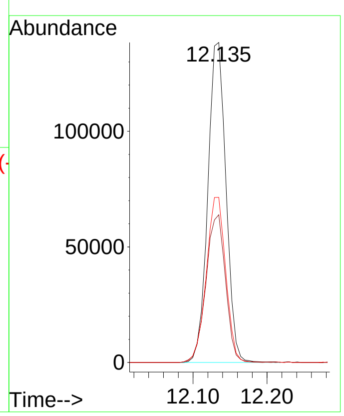




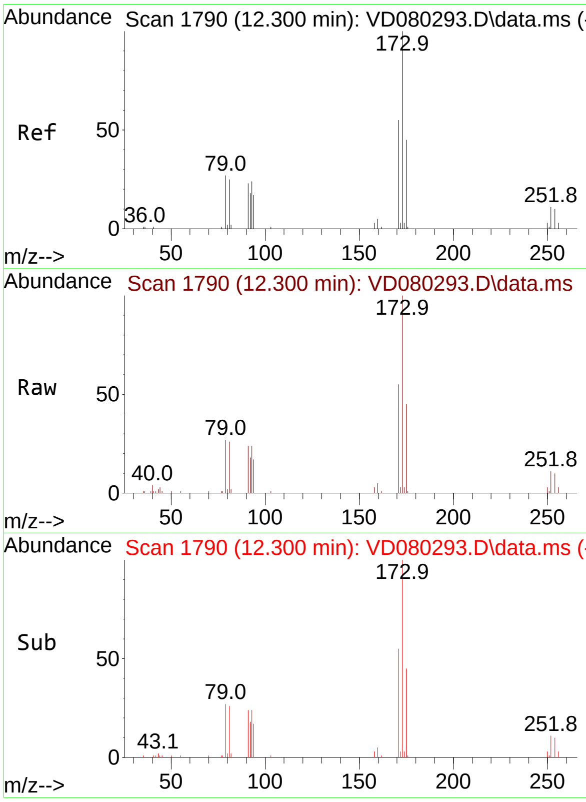
#70
Styrene
Concen: 50.705 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:104 Resp: 236218

Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.8	59.6
103	55.3	44.2	66.4



ICAL Form



#71
Bromoform
Concen: 47.720 ug/l
RT: 12.300 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Tgt Ion:173 Resp: 4262

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.0	0.0	0.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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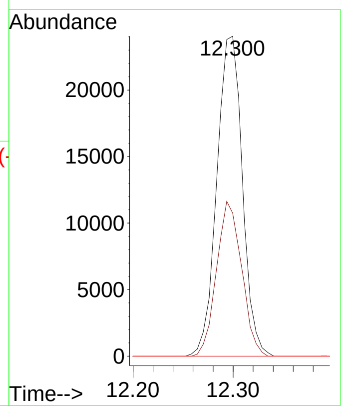
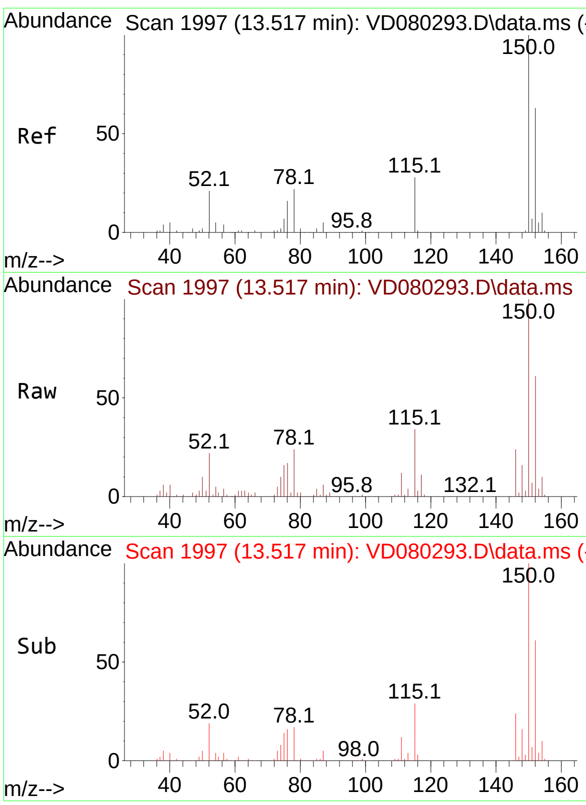
Supervised By :Semsettin Yesilyurt   05/07/2025

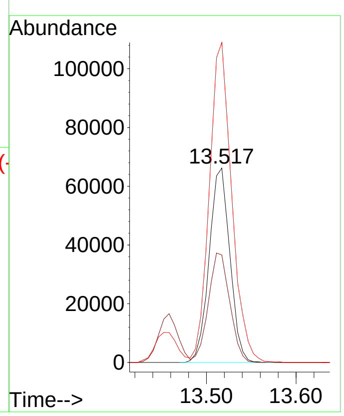


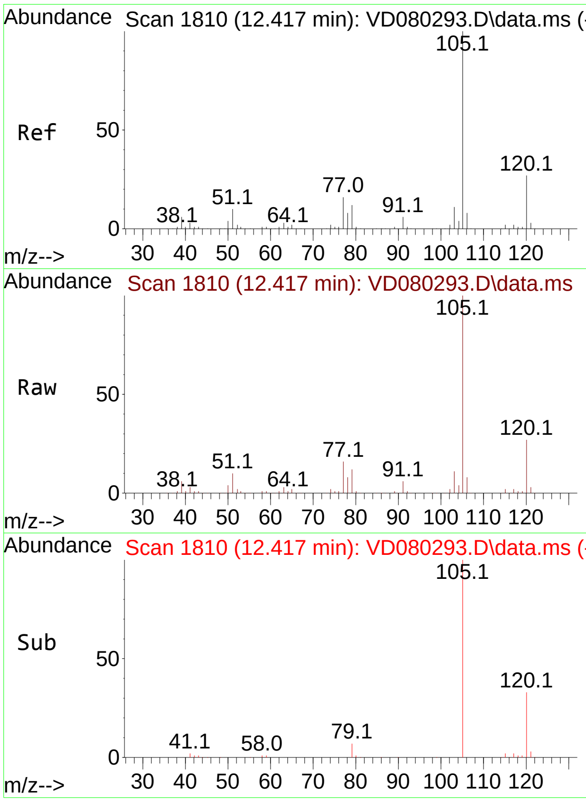


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min   Scan# 1997
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Tgt Ion:152 Resp: 106560

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.0	87.1
150	177.3	0.0	354.6





#73
Isopropylbenzene
Concen: 48.901 ug/l
RT: 12.417 min Scan# 18
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:105 Resp: 33802
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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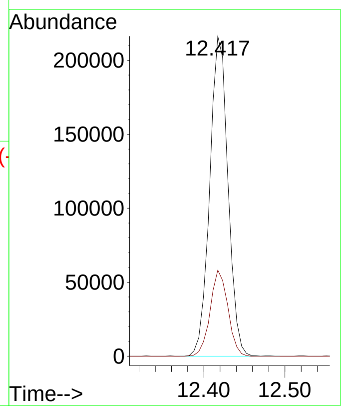
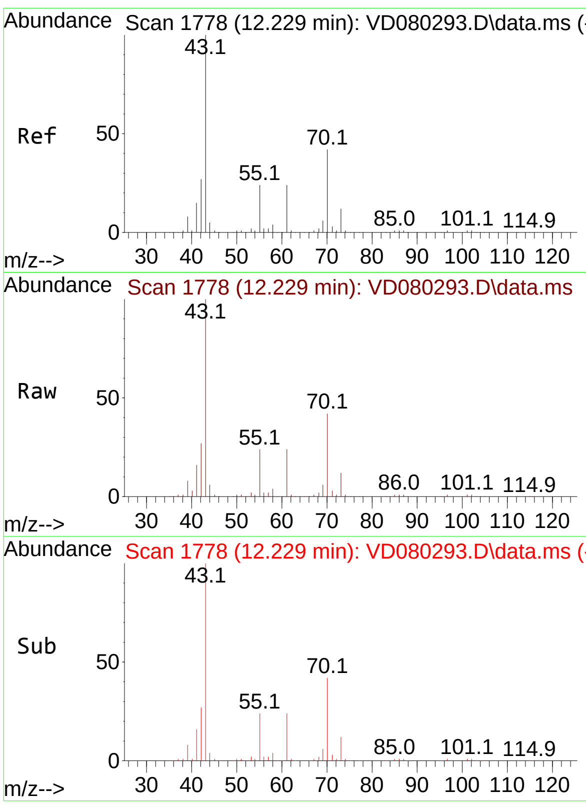
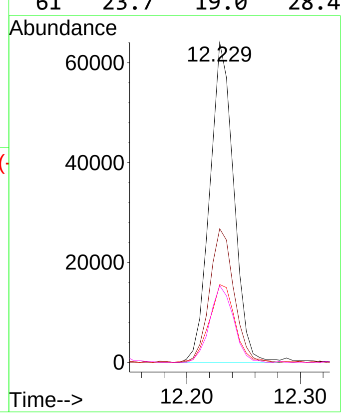
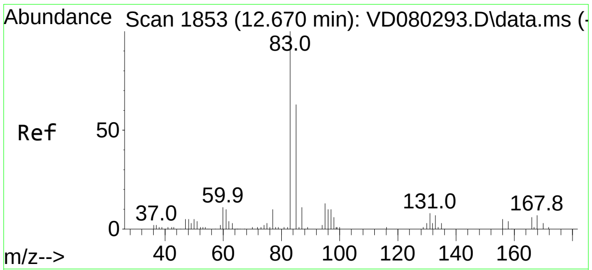


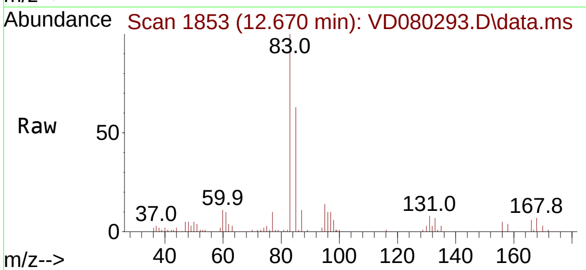


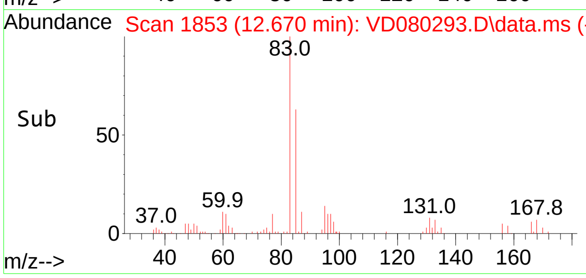
#74
N-amyl acetate
Concen: 47.622 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 43 Resp: 94478
Ion Ratio Lower Upper
43 100
70 42.3 33.8 50.8
55 26.0 20.8 31.2
61 23.7 19.0 28.4









#75
1,1,2,2-Tetrachloroethane
Concen: 45.585 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 6929

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	65.3	32.6	98.0

Manual Integrations
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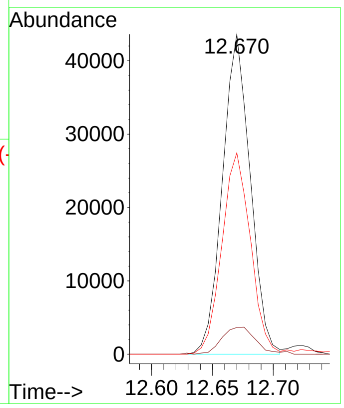
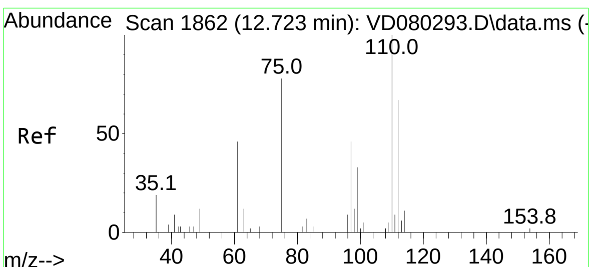
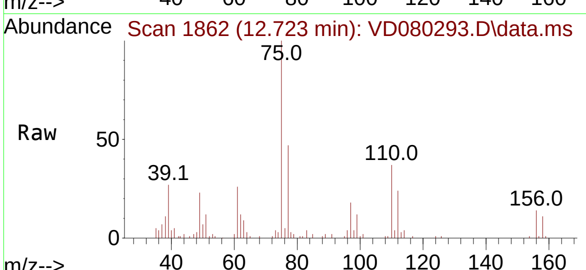
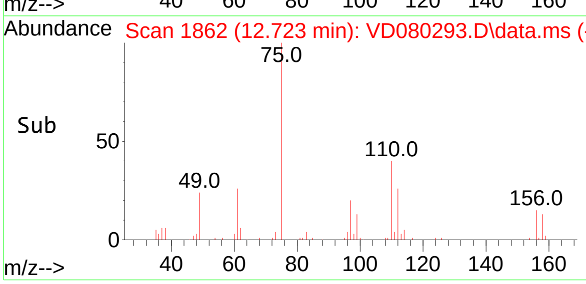
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





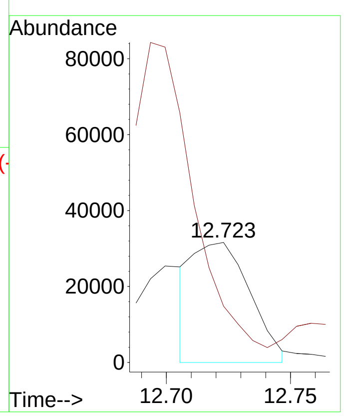


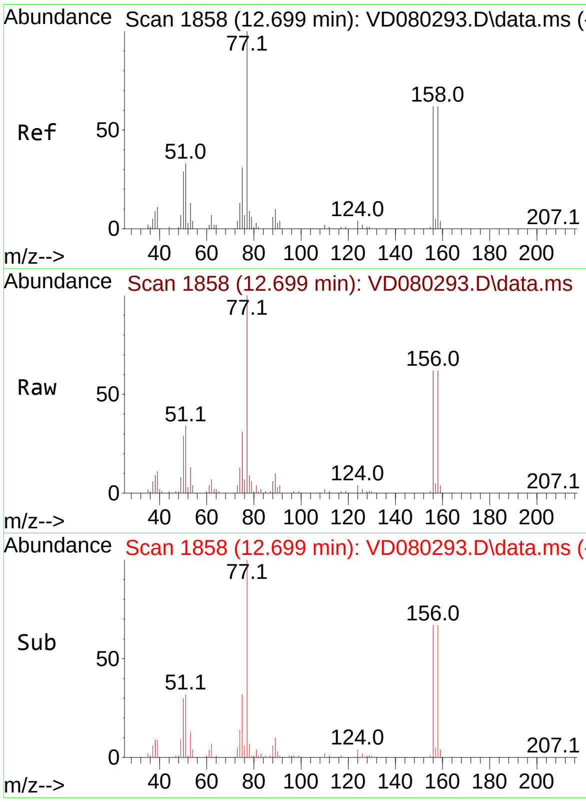


#76
1,2,3-Trichloropropane
Concen: 45.391 ug/l m
RT: 12.723 min Scan# 1862
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 75 Resp: 51319

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 48.252 ug/l
RT: 12.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

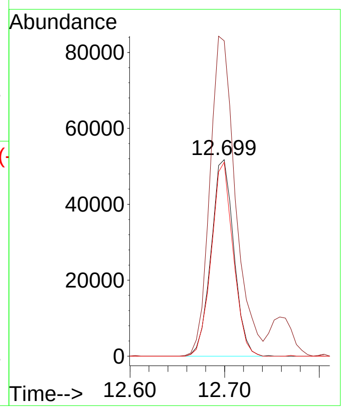
Tgt Ion:156 Resp: 8651

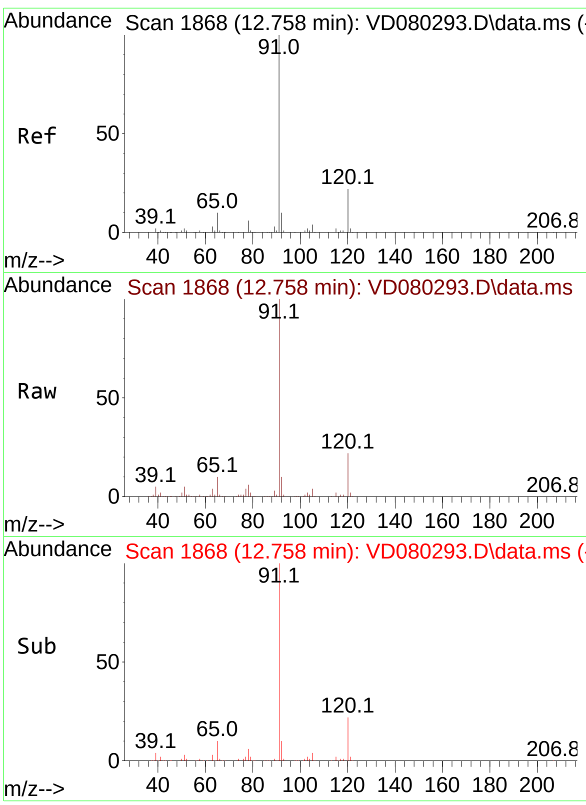
Ion	Ratio	Lower	Upper
156	100		
77	183.2	91.6	274.8
158	94.8	47.4	142.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

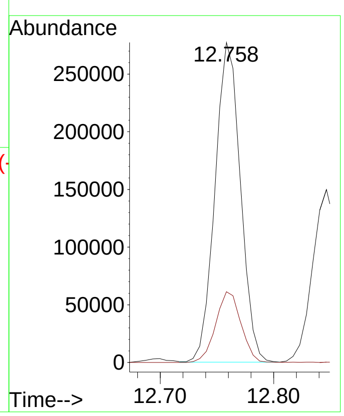


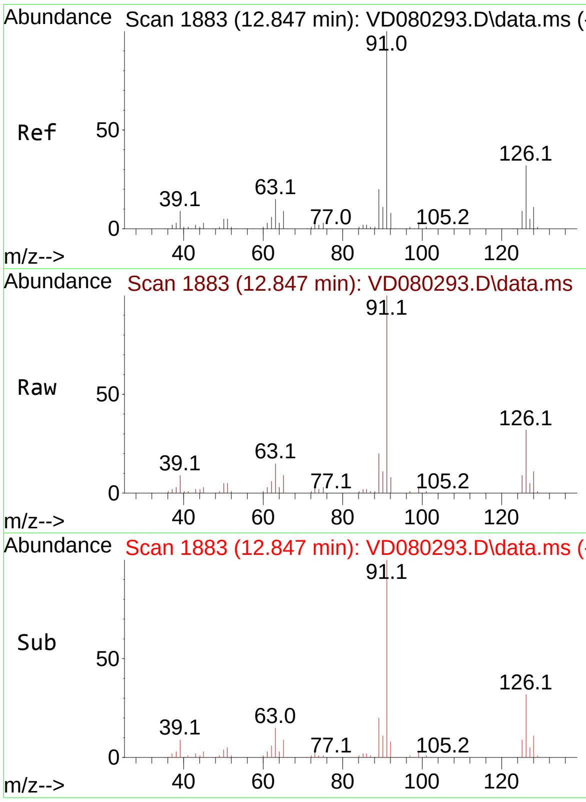


#78
n-propylbenzene
Concen: 49.833 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 91 Resp: 432276

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79
2-Chlorotoluene
Concen: 48.752 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

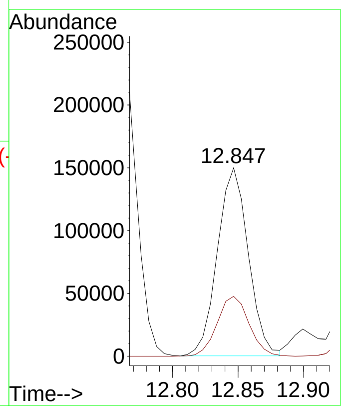
Tgt Ion: 91 Resp: 24599

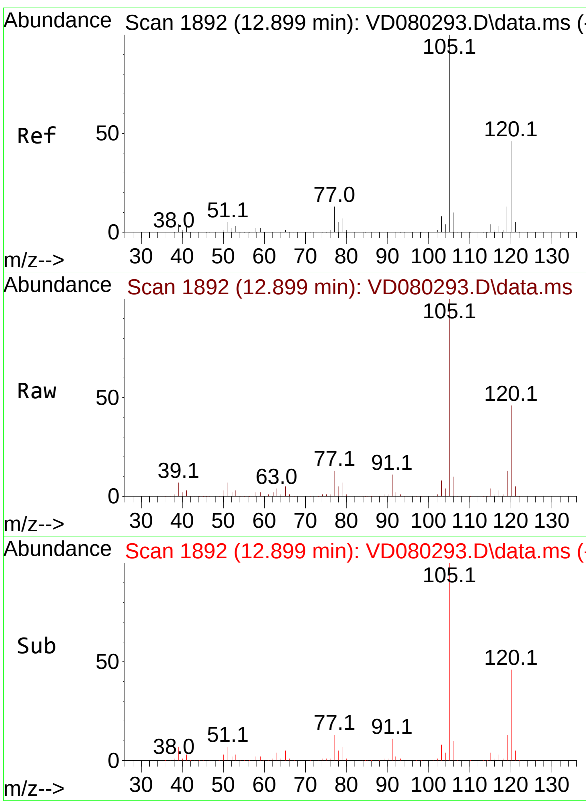
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

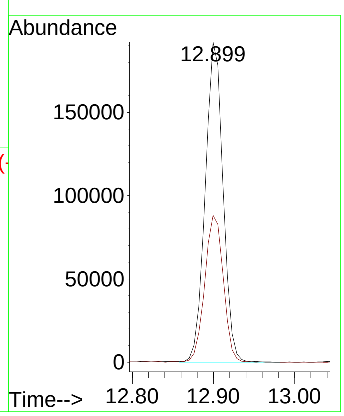


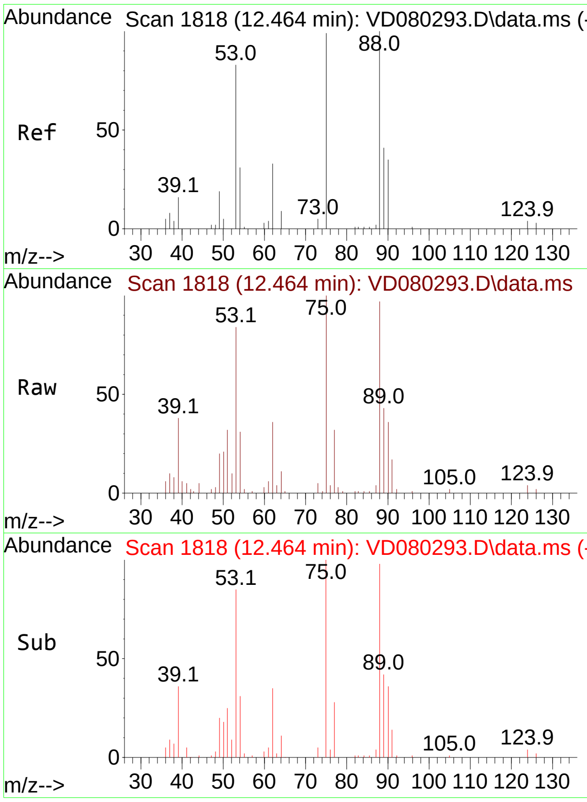


#80
1,3,5-Trimethylbenzene
Concen: 49.663 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:105 Resp: 292798

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.8





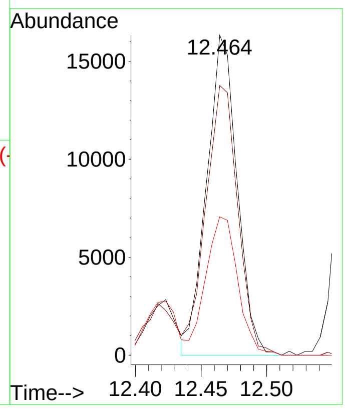
#81
trans-1,4-Dichloro-2-butene
Concen: 48.681 ug/l
RT: 12.464 min Scan# 18
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

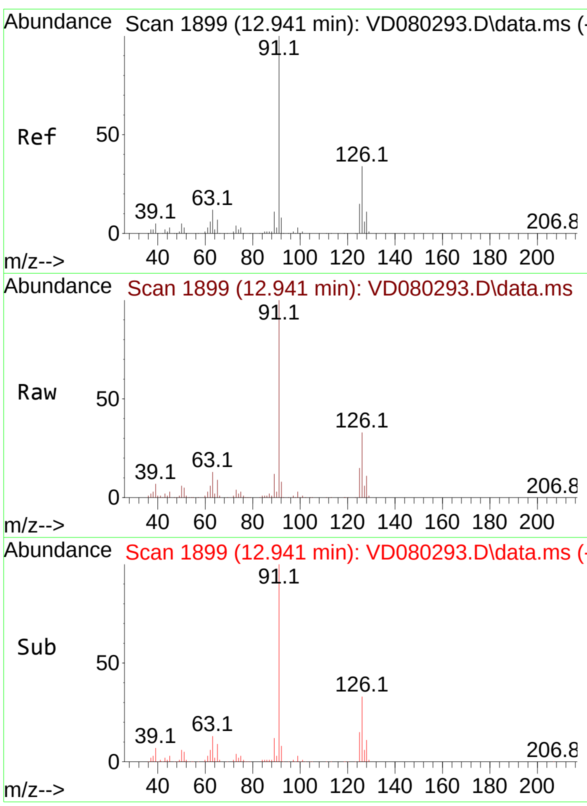
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 2637

Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.8	106.2
89	44.9	35.9	53.9

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

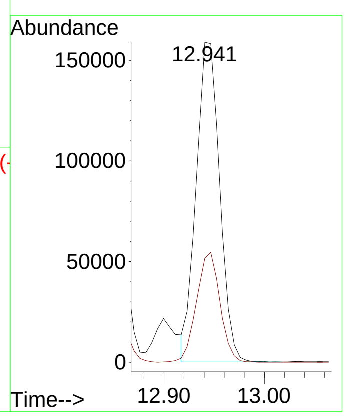


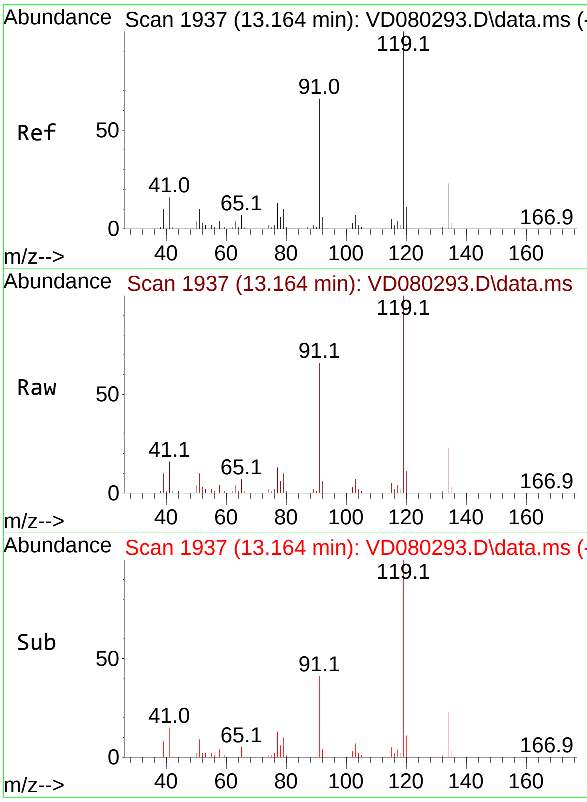


#82
4-Chlorotoluene
Concen: 47.724 ug/l
RT: 12.941 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 91 Resp: 259933

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.1	51.3





#83
tert-Butylbenzene
Concen: 49.033 ug/l
RT: 13.164 min Scan# 1937
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

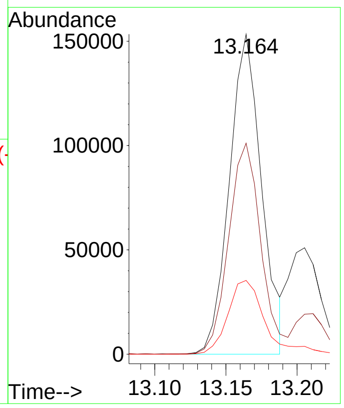
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

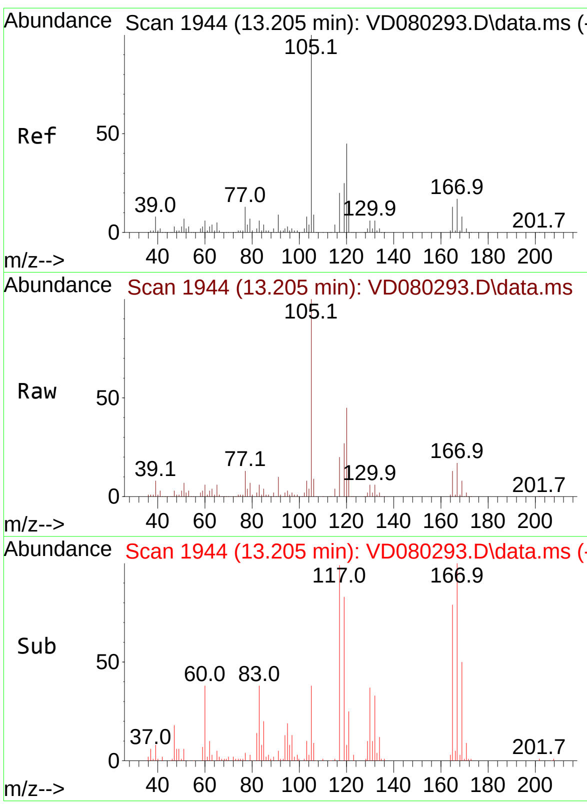
Tgt Ion:119 Resp: 241235

Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.3	99.8
134	26.6	13.3	39.9

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

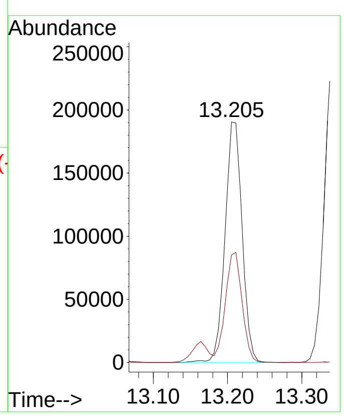


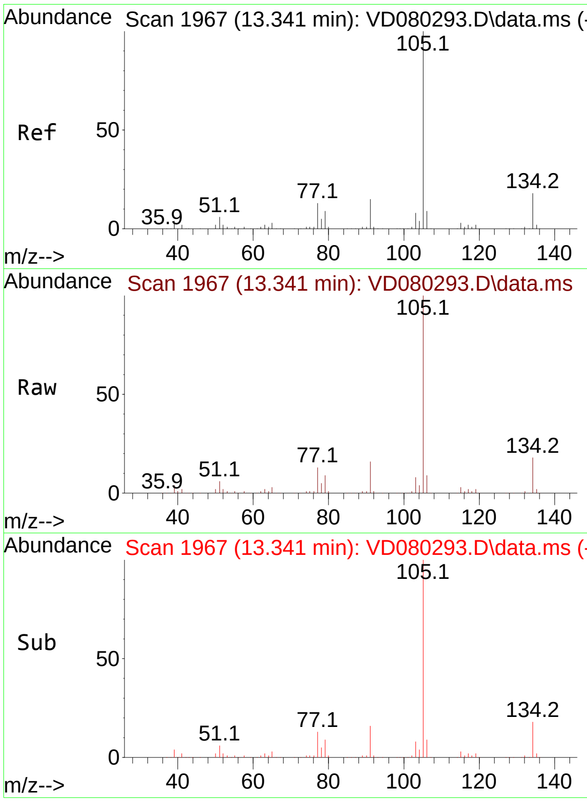


#84
1,2,4-Trimethylbenzene
Concen: 50.521 ug/l
RT: 13.205 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:105 Resp: 304757

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8





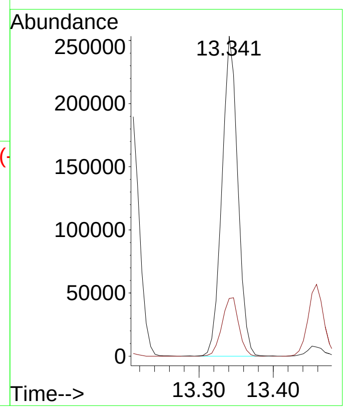
#85
sec-Butylbenzene
Concen: 49.761 ug/l
RT: 13.341 min Scan# 19
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

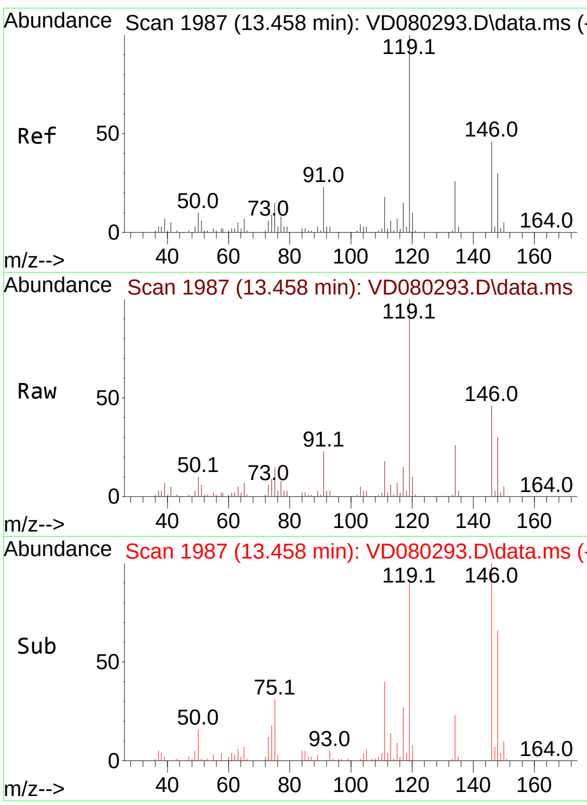
Tgt Ion:105 Resp: 37752

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

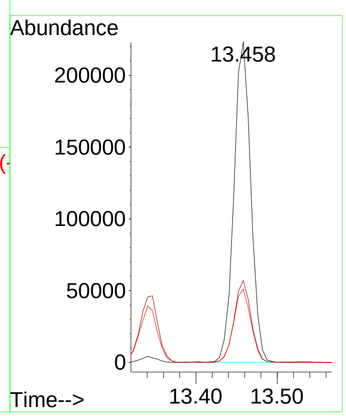




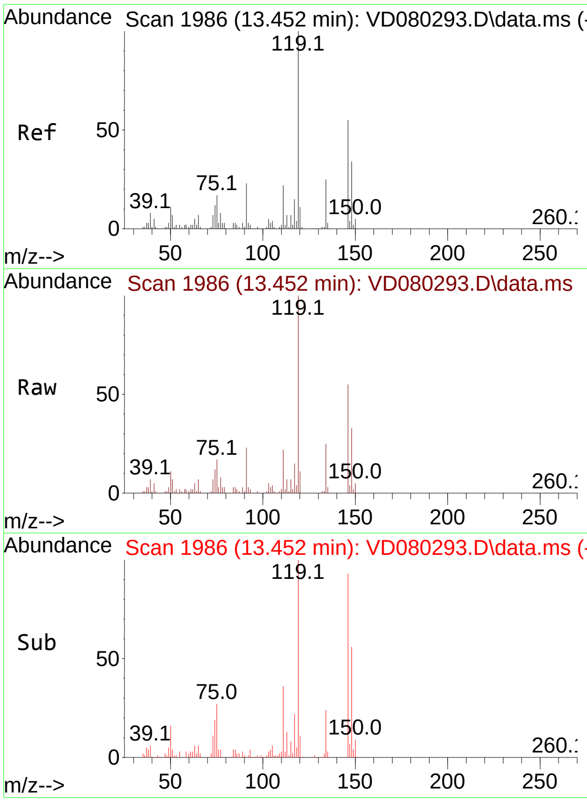
#86
p-Isopropyltoluene
Concen: 50.618 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:119 Resp: 322757

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	23.3	11.7	35.0

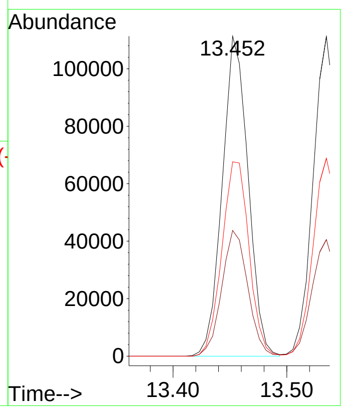


ICAL Form



#87
1,3-Dichlorobenzene
Concen: 47.064 ug/l
RT: 13.452 min   Scan# 19
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Tgt Ion:146 Resp: 175985
Ion Ratio Lower Upper
146 100
111   39.7   19.9   59.6
148   63.9   31.9   95.9



Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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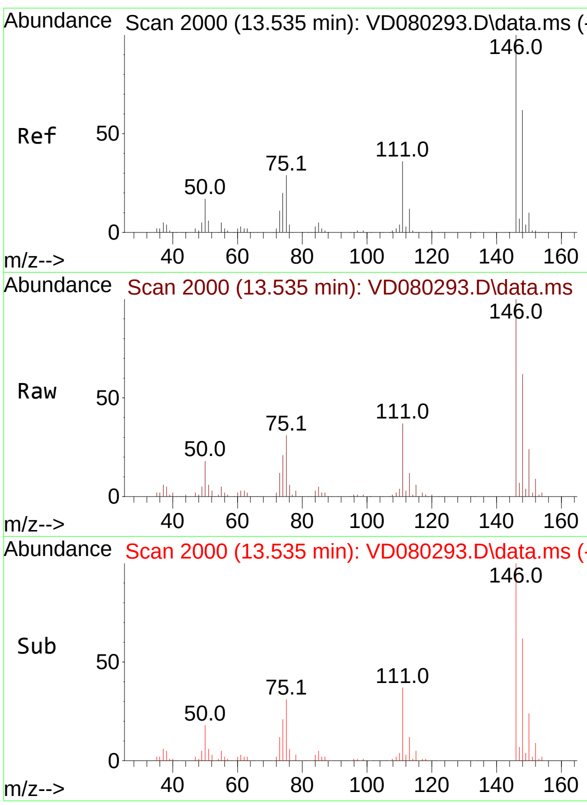
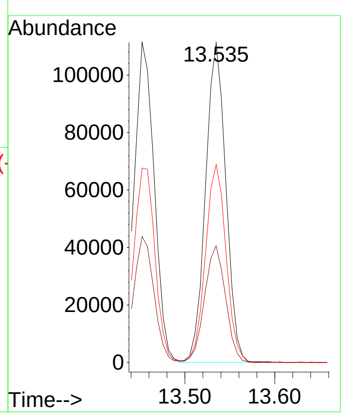
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

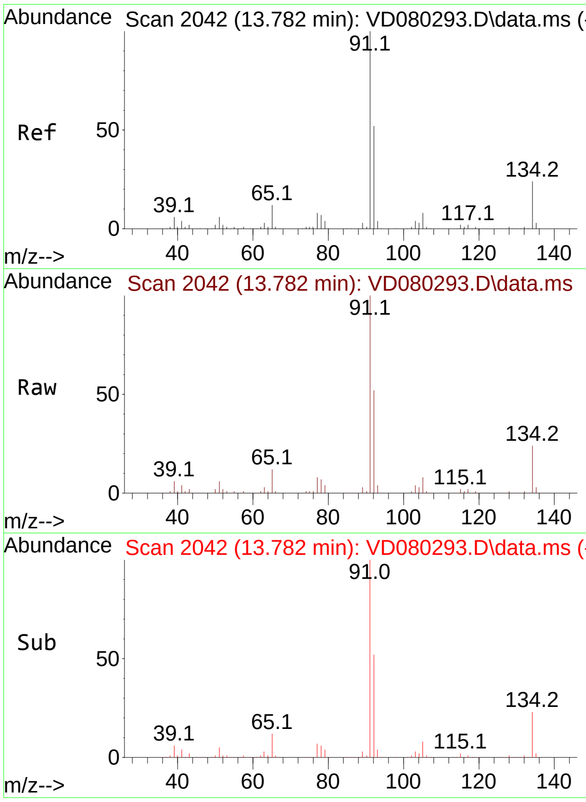


#88
1,4-Dichlorobenzene
Concen: 46.373 ug/l
RT: 13.535 min   Scan# 2000
Delta R.T.   0.000 min
Lab File: VD080293.D
Acq: 06 May 2025   14:51

Tgt Ion:146 Resp: 174810
Ion Ratio Lower Upper
146 100
111   37.7   18.9   56.5
148   62.7   31.4   94.0



ICAL Form



#89
n-Butylbenzene
Concen: 49.691 ug/l
RT: 13.782 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

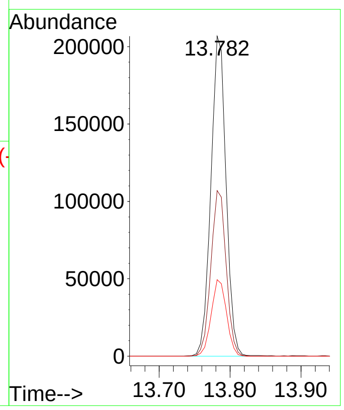
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

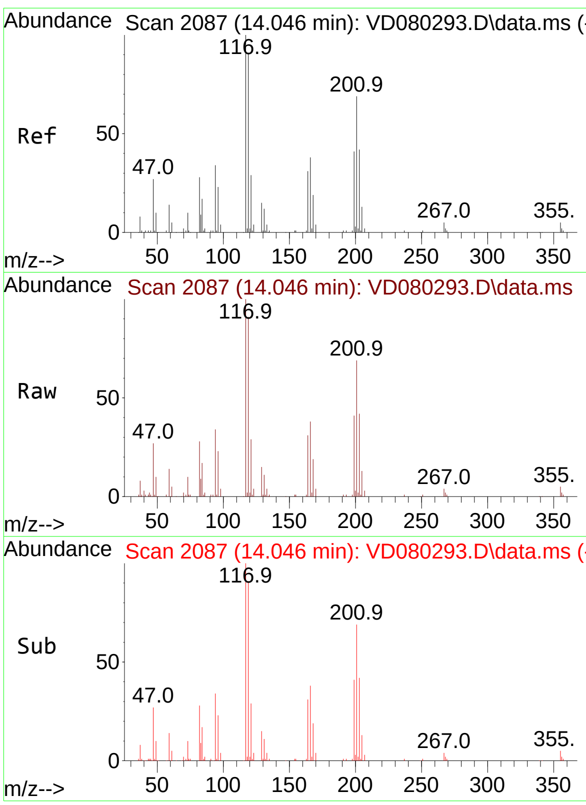
Tgt Ion: 91 Resp: 30757

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	24.1	12.0	36.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

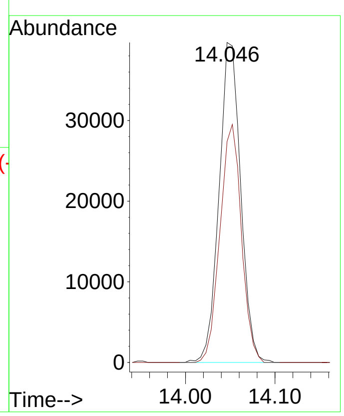




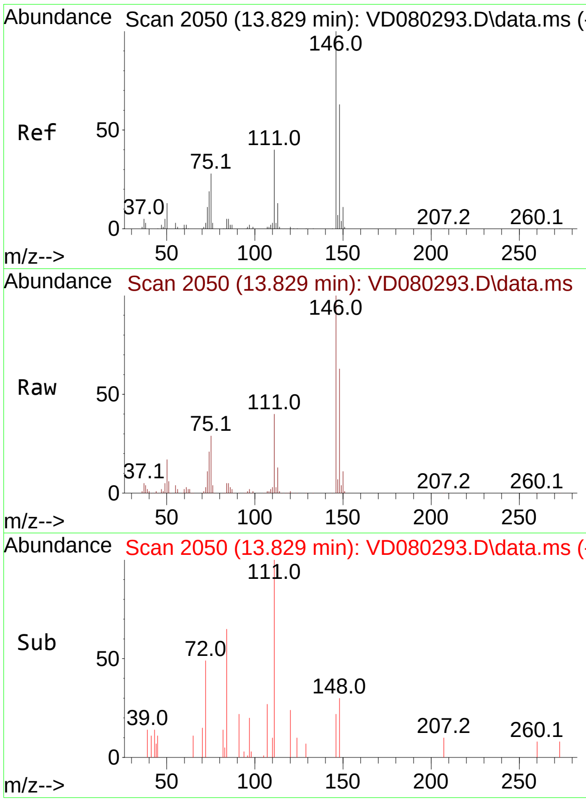
#90
Hexachloroethane
Concen: 47.210 ug/l
RT: 14.046 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:117 Resp: 66605

Ion	Ratio	Lower	Upper
117	100		
201	73.7	36.9	110.6



ICAL Form



#91
1,2-Dichlorobenzene
Concen: 47.407 ug/l
RT: 13.829 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:146 Resp: 15398

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	64.8	32.4	97.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/07/2025
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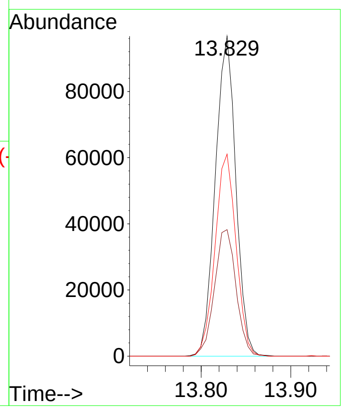
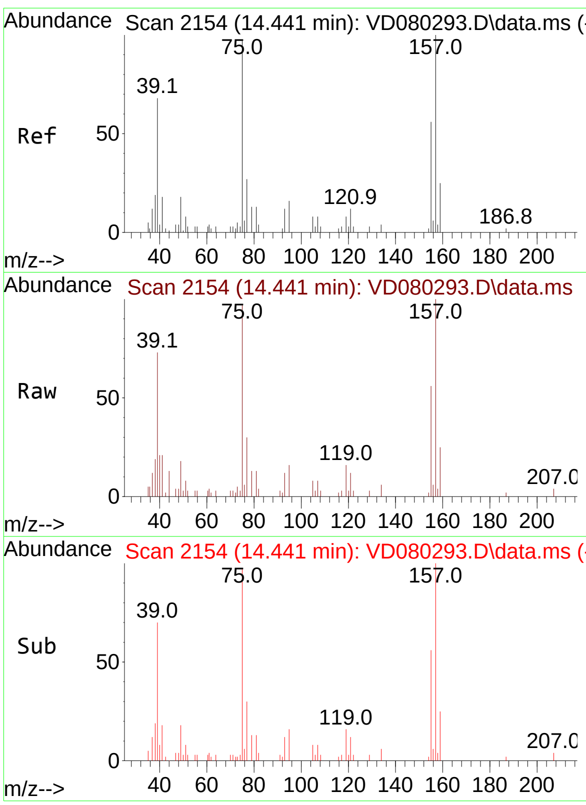
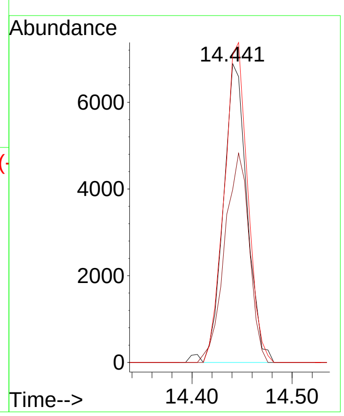


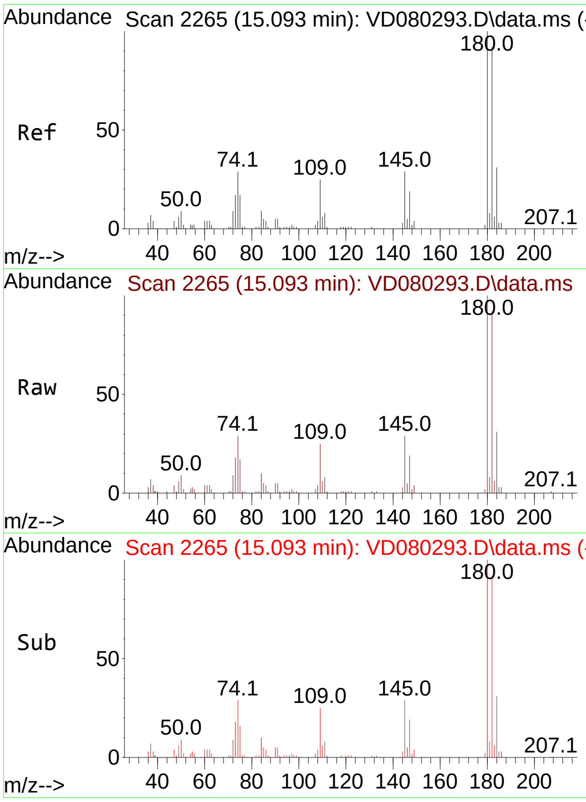


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.842 ug/l
RT: 14.441 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion: 75 Resp: 11348

Ion	Ratio	Lower	Upper
75	100		
155	72.5	36.3	108.7
157	105.9	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 47.741 ug/l
RT: 15.093 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Instrument : MSVOA_D
ClientSampleId : VSTDICCC050

Tgt Ion:180 Resp: 9752

Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.7	140.1
145	29.7	14.9	44.5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
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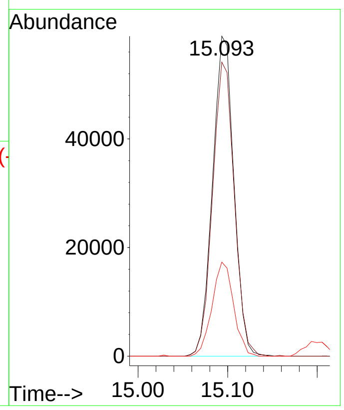
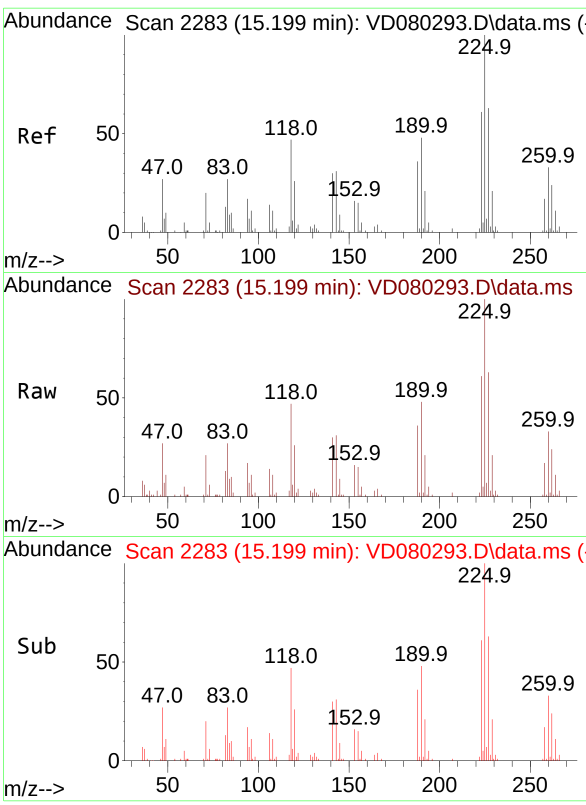
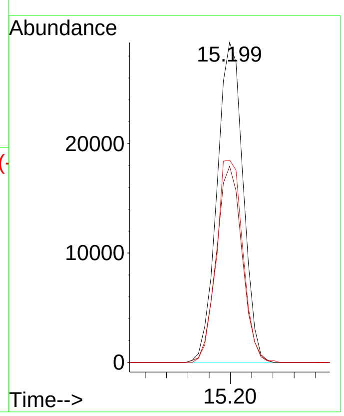




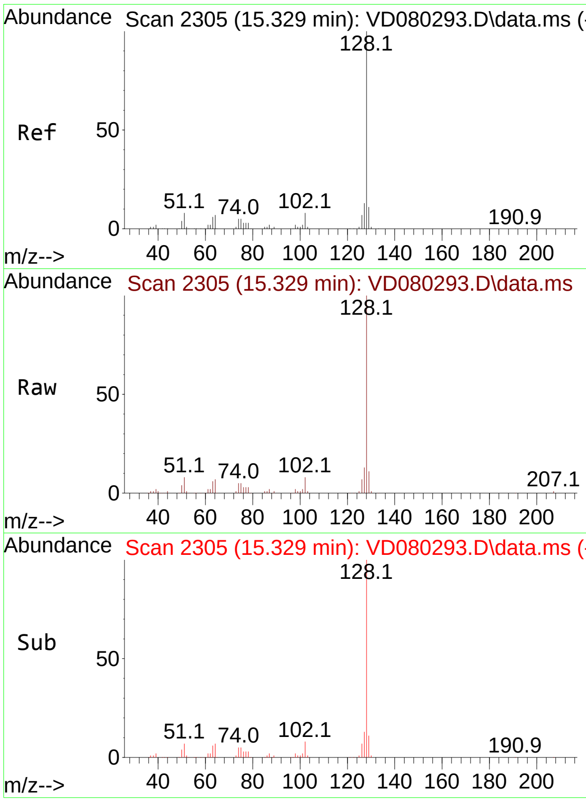
#94
Hexachlorobutadiene
Concen: 46.912 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:225 Resp: 49856

Ion	Ratio	Lower	Upper
225	100		
223	60.5	30.3	90.8
227	64.1	32.0	96.2



ICAL Form



#95
Naphthalene
Concen: 46.866 ug/l
RT: 15.329 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

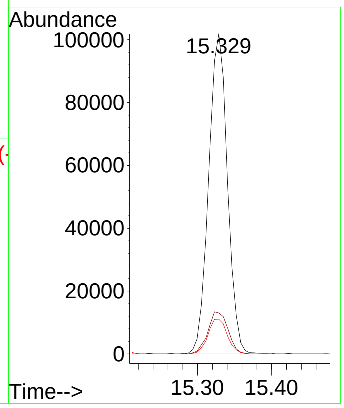
Tgt Ion:128 Resp: 17976

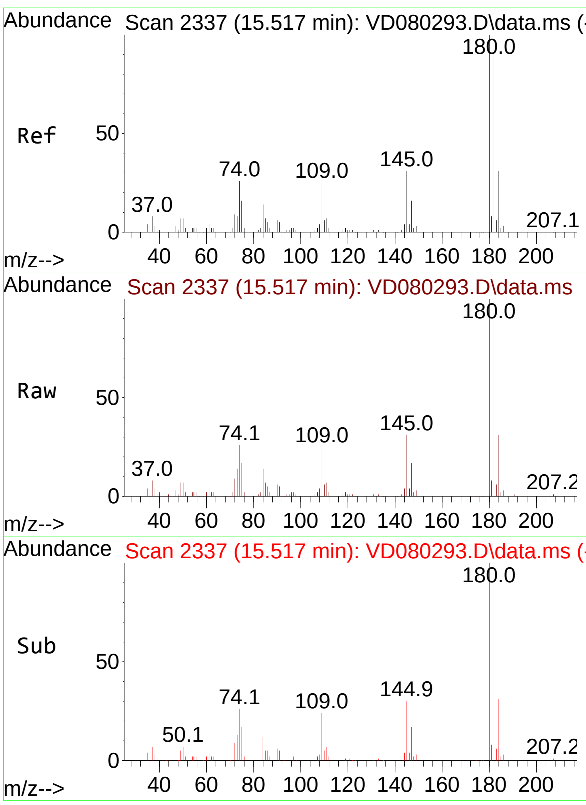
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.7	13.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

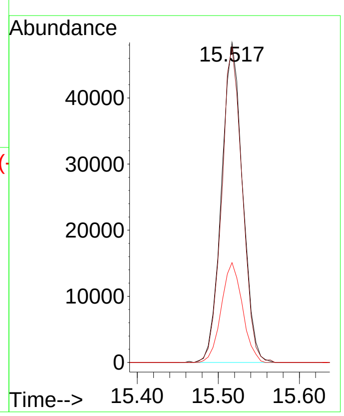




#96
1,2,3-Trichlorobenzene
Concen: 48.049 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080293.D
Acq: 06 May 2025 14:51

Tgt Ion:180 Resp: 87786

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	31.1	15.6	46.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080294.D
Acq On : 06 May 2025 15:19
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:19:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	131770	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	210502	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.582	117	202471	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	111785	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.229	65	159640	93.685 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 187.360%#		
35) Dibromofluoromethane	7.805	113	142060	100.690 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.380%#		
50) Toluene-d8	10.270	98	593271	106.723 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 213.440%#		
62) 4-Bromofluorobenzene	12.570	95	196997	110.409 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 220.820%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.935	85	110213	101.264 ug/l	98
3) Chloromethane	2.153	50	217332	101.079 ug/l	96
4) Vinyl Chloride	2.276	62	292662	85.433 ug/l	97
5) Bromomethane	2.676	94	220658	89.487 ug/l	98
6) Chloroethane	2.829	64	217872	89.953 ug/l	91
7) Trichlorofluoromethane	3.164	101	235017	89.472 ug/l	100
8) Diethyl Ether	3.594	74	78804	97.190 ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.959	101	141408	87.376 ug/l	99
10) Methyl Iodide	4.159	142	174606	105.837 ug/l	100
11) Tert butyl alcohol	5.070	59	46635	451.011 ug/l	95
12) 1,1-Dichloroethene	3.935	96	144612	90.635 ug/l	95
13) Acrolein	3.800	56	87588	481.431 ug/l	100
14) Allyl chloride	4.559	41	249545	99.447 ug/l	98
15) Acrylonitrile	5.258	53	191338	490.847 ug/l	98
16) Acetone	4.023	43	131754	503.175 ug/l	97
17) Carbon Disulfide	4.264	76	487479	87.984 ug/l	98
18) Methyl Acetate	4.564	43	103309	93.551 ug/l	98
19) Methyl tert-butyl Ether	5.317	73	370328	105.651 ug/l	96
20) Methylene Chloride	4.800	84	175604	100.348 ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	165671	95.579 ug/l	98
22) Diisopropyl ether	6.217	45	536894	103.866 ug/l	99
23) Vinyl Acetate	6.153	43	1609020	534.453 ug/l	99
24) 1,1-Dichloroethane	6.111	63	305739	93.995 ug/l	99
25) 2-Butanone	7.082	43	231714	494.218 ug/l	94
26) 2,2-Dichloropropane	7.070	77	244780	94.573 ug/l	100
27) cis-1,2-Dichloroethene	7.076	96	194602	101.334 ug/l	99
28) Bromochloromethane	7.423	49	138026	91.137 ug/l	99
29) Tetrahydrofuran	7.447	42	158696	519.128 ug/l	97
30) Chloroform	7.594	83	306617	94.527 ug/l	97
31) Cyclohexane	7.876	56	261031	94.290 ug/l	99
32) 1,1,1-Trichloroethane	7.794	97	252641	95.466 ug/l	98
36) 1,1-Dichloropropene	8.005	75	217097	102.959 ug/l	100
37) Ethyl Acetate	7.170	43	110302	100.301 ug/l	98
38) Carbon Tetrachloride	7.988	117	215775	98.123 ug/l	95
39) Methylcyclohexane	9.270	83	267910	109.496 ug/l	93
40) Benzene	8.252	78	678390	102.680 ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080294.D
Acq On : 06 May 2025 15:19
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:19:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.400	41	59471	97.466	ug/l		97
42)	1,2-Dichloroethane	8.323	62	189251	98.854	ug/l		99
43)	Isopropyl Acetate	8.358	43	210438	105.251	ug/l	#	88
44)	Trichloroethene	9.029	130	154966	101.044	ug/l		95
45)	1,2-Dichloropropane	9.305	63	173568	102.434	ug/l		95
46)	Dibromomethane	9.394	93	93085	100.900	ug/l		98
47)	Bromodichloromethane	9.582	83	239004	102.070	ug/l		98
48)	Methyl methacrylate	9.382	41	105026	110.554	ug/l		97
49)	1,4-Dioxane	9.382	88	23781	2168.170	ug/l		92
51)	4-Methyl-2-Pentanone	10.158	43	573658	556.850	ug/l		100
52)	Toluene	10.329	92	434203	109.088	ug/l		98
53)	t-1,3-Dichloropropene	10.552	75	227709	106.672	ug/l		100
54)	cis-1,3-Dichloropropene	10.017	75	265293	107.247	ug/l		99
55)	1,1,2-Trichloroethane	10.729	97	123593	101.280	ug/l		97
56)	Ethyl methacrylate	10.594	69	172432	116.611	ug/l		99
57)	1,3-Dichloropropane	10.876	76	215680	106.345	ug/l		97
58)	2-Chloroethyl Vinyl ether	9.870	63	349715	577.899	ug/l		100
59)	2-Hexanone	10.917	43	398292	562.031	ug/l		98
60)	Dibromochloromethane	11.070	129	160066	104.667	ug/l		98
61)	1,2-Dibromoethane	11.176	107	117643	103.965	ug/l		100
64)	Tetrachloroethene	10.811	164	134017	97.745	ug/l		97
65)	Chlorobenzene	11.605	112	454800	99.481	ug/l		98
66)	1,1,1,2-Tetrachloroethane	11.682	131	159760	101.714	ug/l		97
67)	Ethyl Benzene	11.682	91	844578	110.548	ug/l		99
68)	m/p-Xylenes	11.793	106	655051	220.820	ug/l		99
69)	o-Xylene	12.117	106	300980	111.034	ug/l		100
70)	Styrene	12.135	104	541974	111.347	ug/l		99
71)	Bromoform	12.293	173	94432	101.194	ug/l	#	99
73)	Isopropylbenzene	12.417	105	777958	107.285	ug/l		99
74)	N-amyl acetate	12.229	43	219574	105.504	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.670	83	155040	97.228	ug/l		96
76)	1,2,3-Trichloropropane	12.723	75	93321m	78.684	ug/l		
77)	Bromobenzene	12.699	156	189291	100.638	ug/l		96
78)	n-propylbenzene	12.758	91	983336	108.061	ug/l		100
79)	2-Chlorotoluene	12.846	91	554020	104.668	ug/l		99
80)	1,3,5-Trimethylbenzene	12.899	105	668411	108.074	ug/l		99
81)	trans-1,4-Dichloro-2-b...	12.470	75	57386	100.965	ug/l		99
82)	4-Chlorotoluene	12.946	91	585946	102.552	ug/l		99
83)	tert-Butylbenzene	13.164	119	561847	108.863	ug/l		100
84)	1,2,4-Trimethylbenzene	13.211	105	693835	109.645	ug/l		100
85)	sec-Butylbenzene	13.340	105	861805	108.283	ug/l		100
86)	p-Isopropyltoluene	13.458	119	740180	110.657	ug/l		99
87)	1,3-Dichlorobenzene	13.452	146	392135	99.968	ug/l		100
88)	1,4-Dichlorobenzene	13.535	146	379949	96.081	ug/l		99
89)	n-Butylbenzene	13.782	91	698284	107.540	ug/l		99
90)	Hexachloroethane	14.052	117	143439	96.918	ug/l		97
91)	1,2-Dichlorobenzene	13.829	146	339544	99.646	ug/l		98
92)	1,2-Dibromo-3-Chloropr...	14.440	75	23550	92.665	ug/l		94
93)	1,2,4-Trichlorobenzene	15.093	180	217334	101.419	ug/l		99
94)	Hexachlorobutadiene	15.199	225	108573	97.387	ug/l		98
95)	Naphthalene	15.329	128	433416	107.715	ug/l		99
96)	1,2,3-Trichlorobenzene	15.517	180	197633	103.117	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080294.D
Acq On : 06 May 2025 15:19
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:19:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 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   (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080294.D
Acq On   : 06 May 2025 15:19
Operator : RP/MD
Sample   : VSTDICC100
Misc   : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 6   Sample Multiplier: 1

Quant Time: May 07 03:19:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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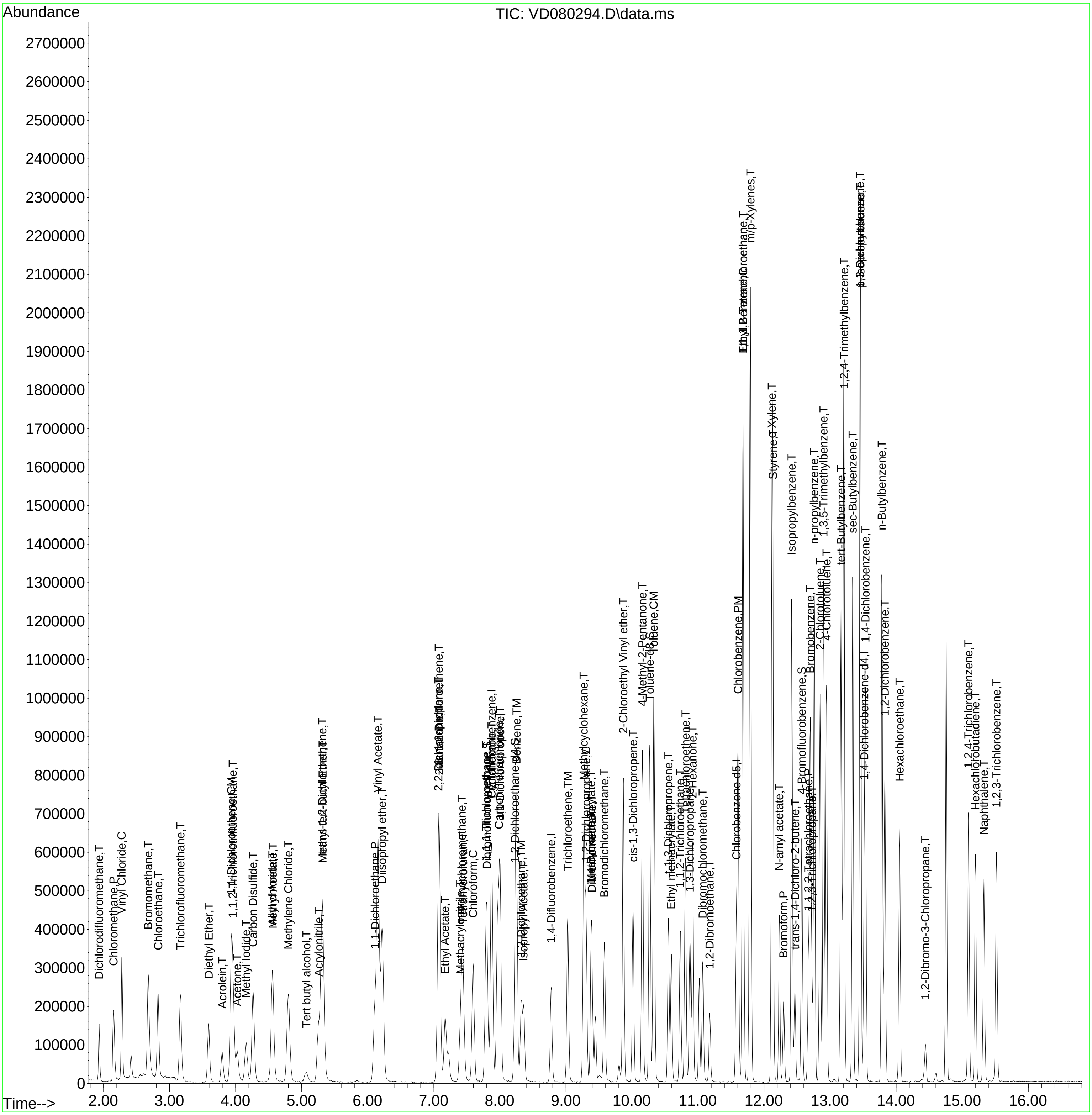
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025



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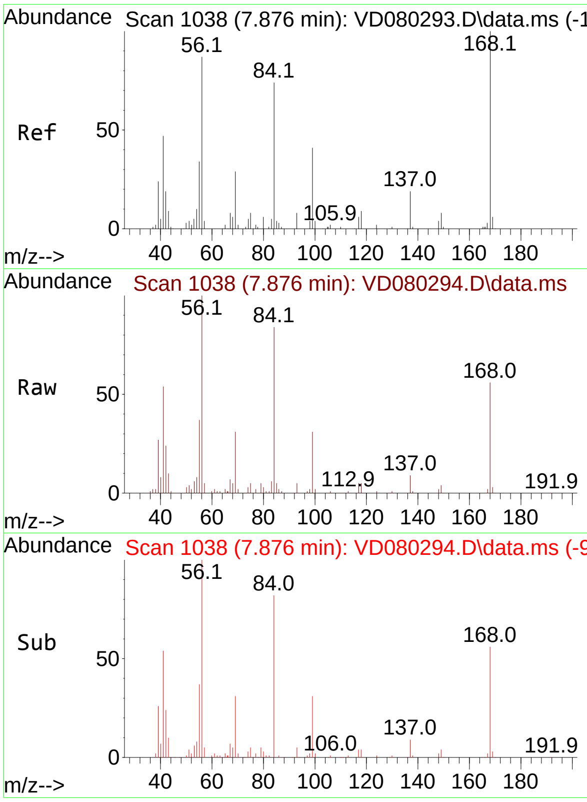

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:168 Resp: 13177

Ion	Ratio	Lower	Upper
168	100		
99	54.8	46.4	69.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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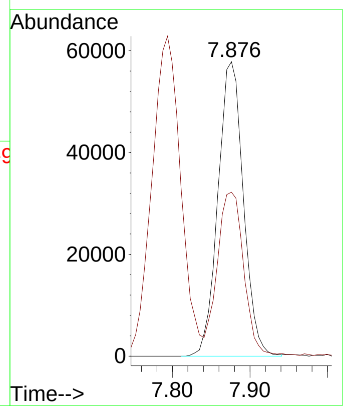
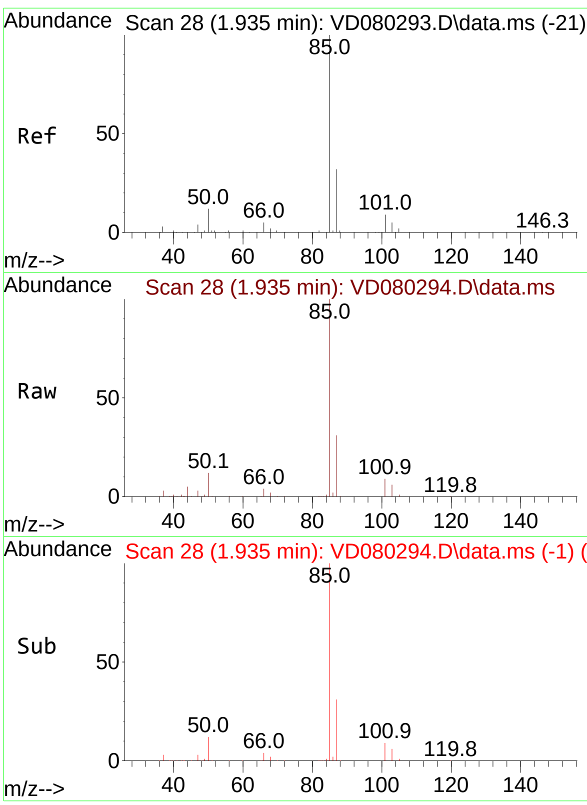
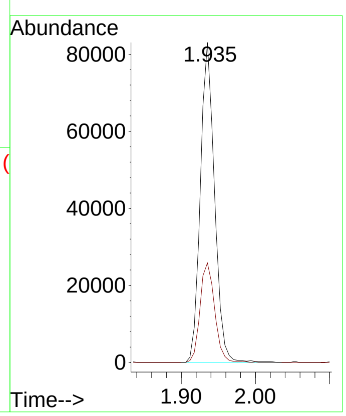




#2
Dichlorodifluoromethane
Concen: 101.264 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 85 Resp: 110213

Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.2	48.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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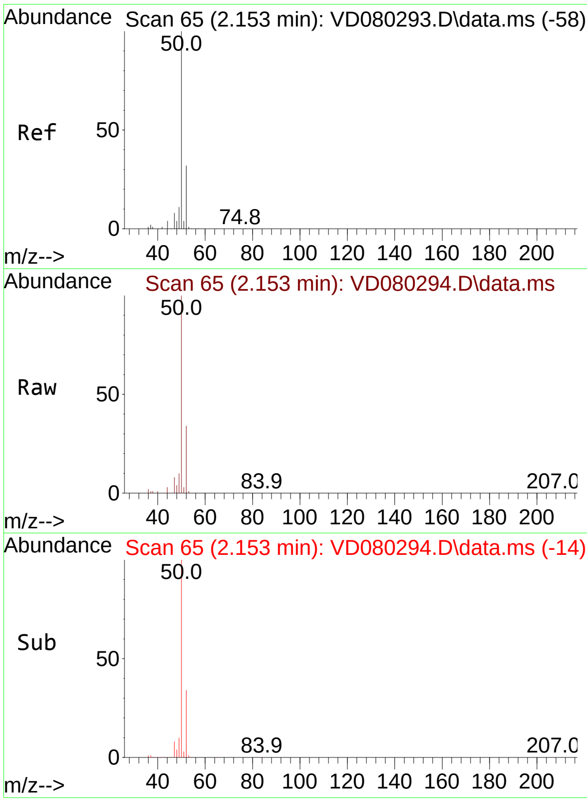
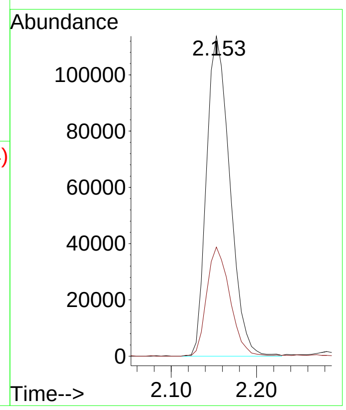
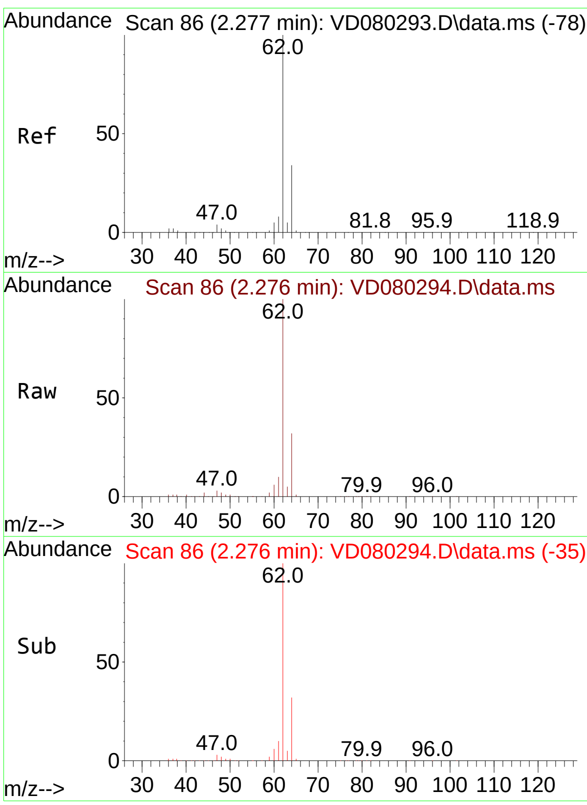


#3
Chloromethane
Concen: 101.079 ug/l
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 50 Resp: 21733

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.7	38.5

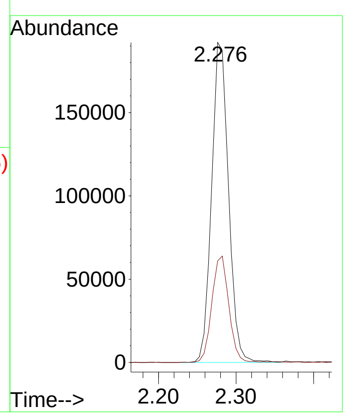




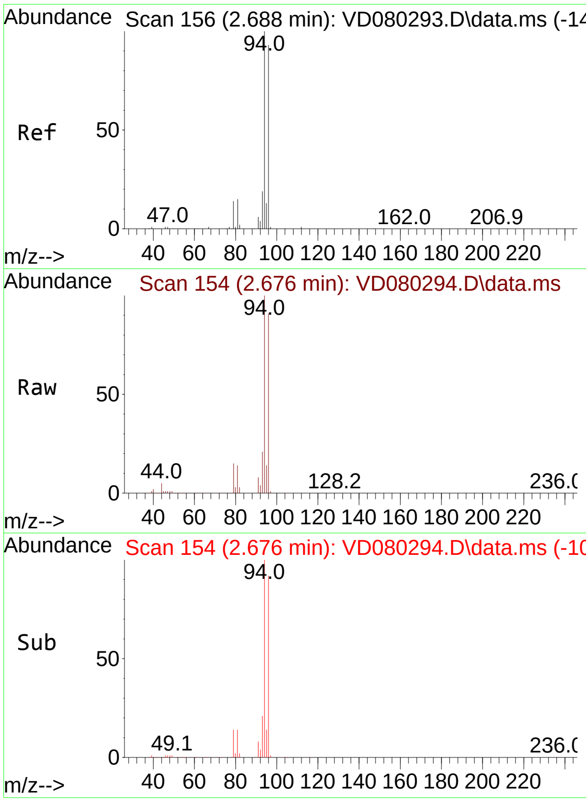
#4
Vinyl Chloride
Concen: 85.433 ug/l
RT: 2.276 min Scan# 86
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 62 Resp: 292662

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.9	40.3



ICAL Form



#5
Bromomethane
Concen: 89.487 ug/l
RT: 2.676 min Scan# 1!
Delta R.T. -0.012 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 22065!

Ion	Ratio	Lower	Upper
94	100		
96	95.5	74.6	112.0

Manual Integrations APPROVED

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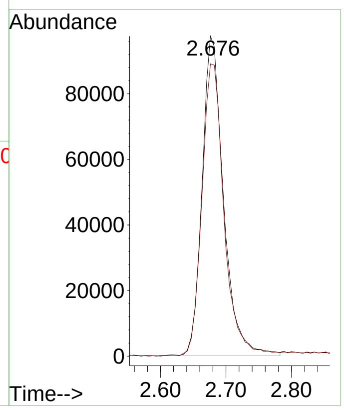
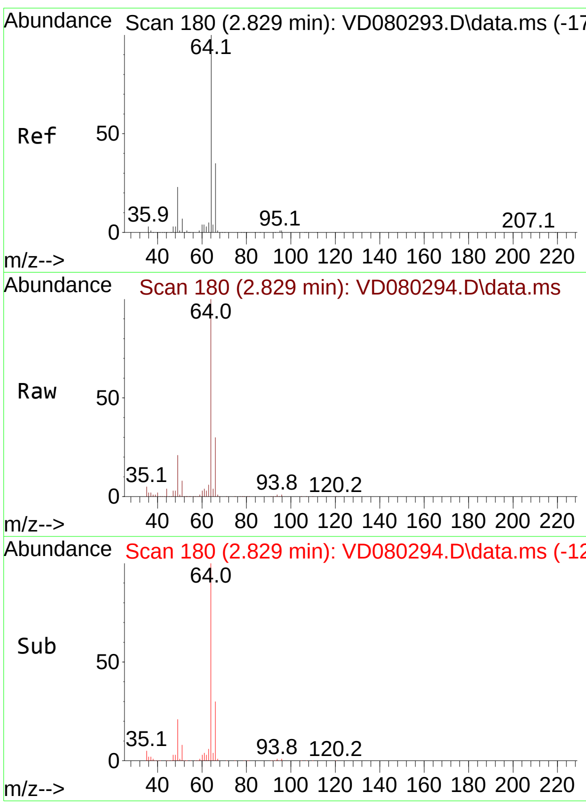
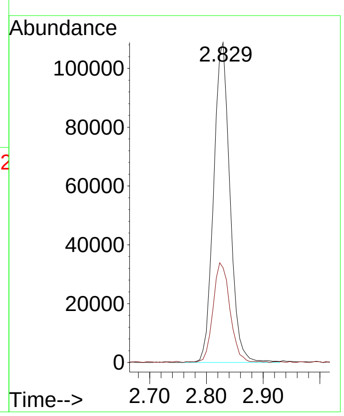




#6
Chloroethane
Concen: 89.953 ug/l
RT: 2.829 min Scan# 180
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 64 Resp: 217872

Ion	Ratio	Lower	Upper
64	100		
66	29.4	27.7	41.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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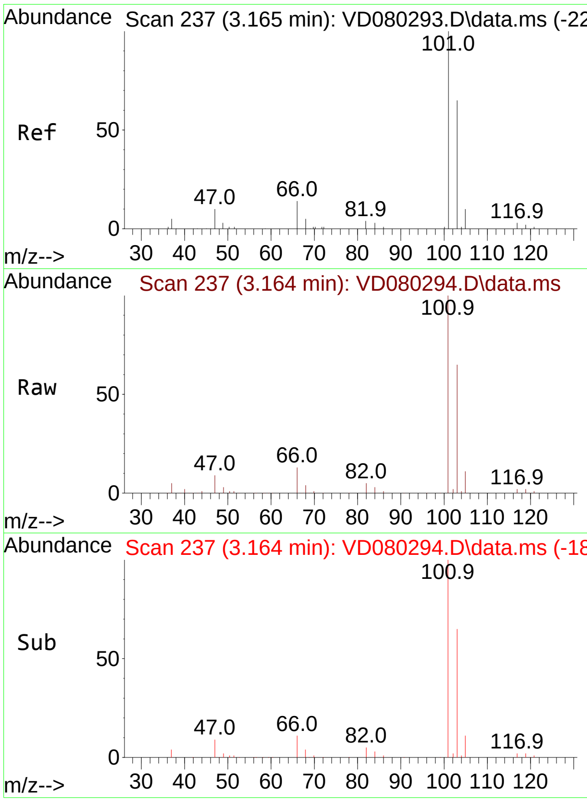
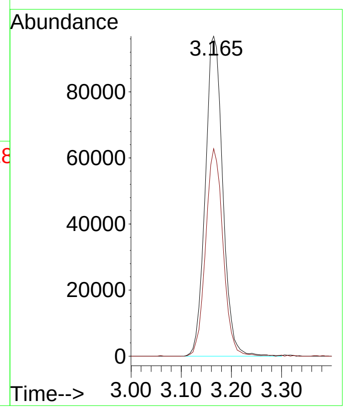
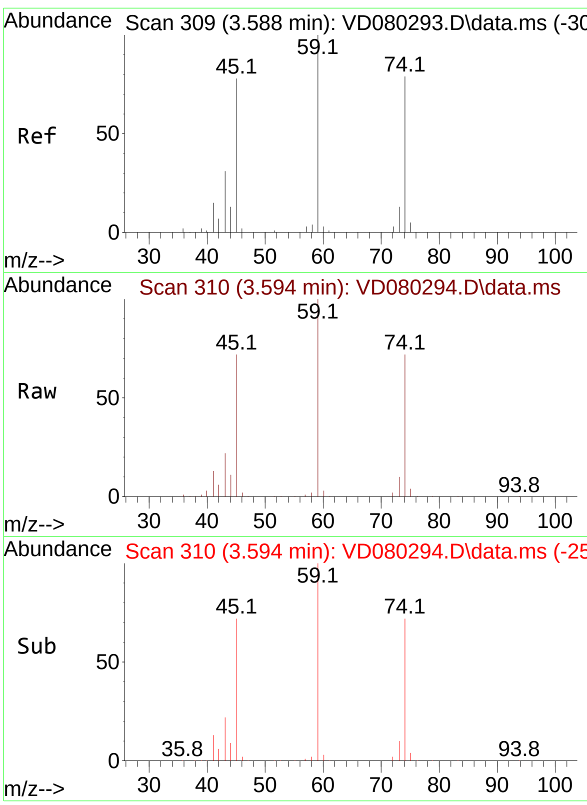


#7
Trichlorofluoromethane
Concen: 89.472 ug/l
RT: 3.164 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:101 Resp: 23501

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.8

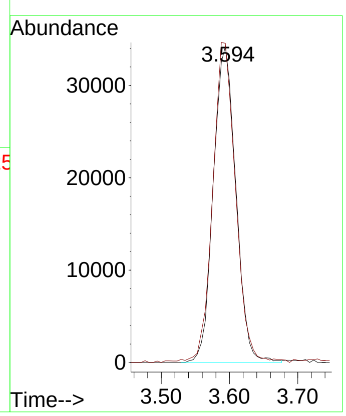




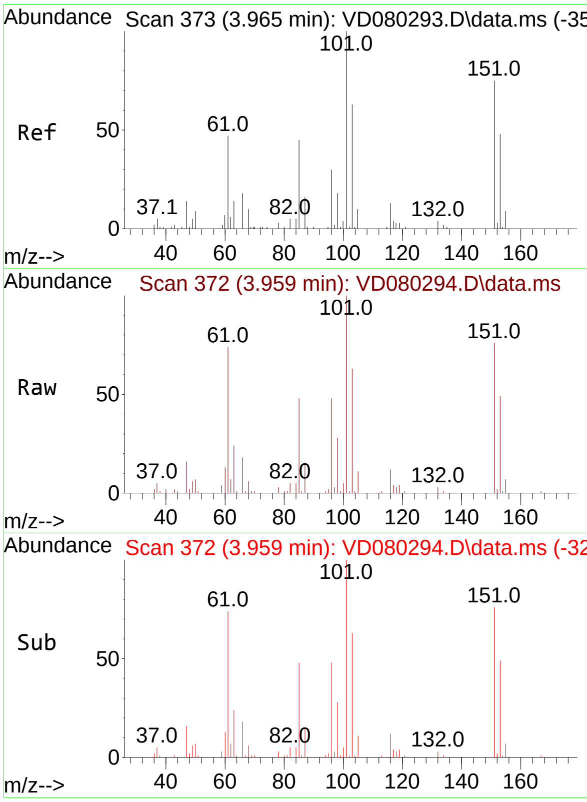
#8
Diethyl Ether
Concen: 97.190 ug/l
RT: 3.594 min Scan# 310
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 74 Resp: 78804

Ion	Ratio	Lower	Upper
74	100		
45	102.2	53.1	159.4



ICAL Form



#9
1,1,2-Trichlorotrifluoroethane
Concen: 87.376 ug/l
RT: 3.959 min   Scan# 3
Delta R.T.   -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025   15:19

Tgt Ion:101 Resp: 14140

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.5	53.3
151	73.9	59.0	88.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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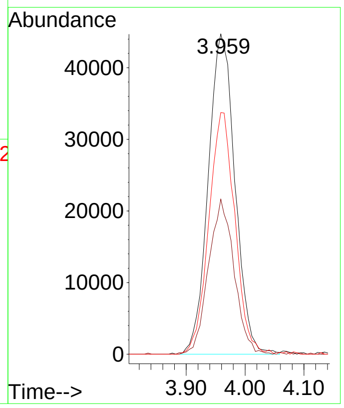
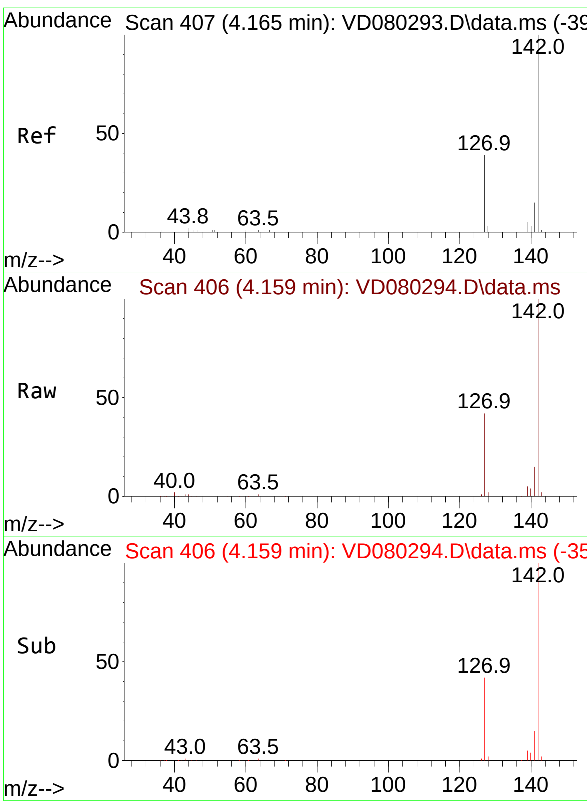
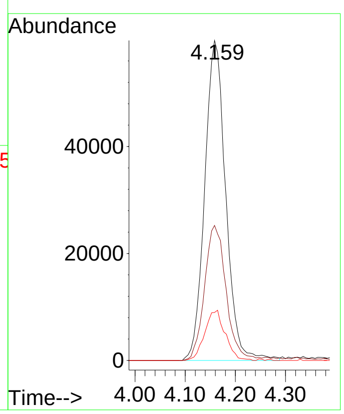


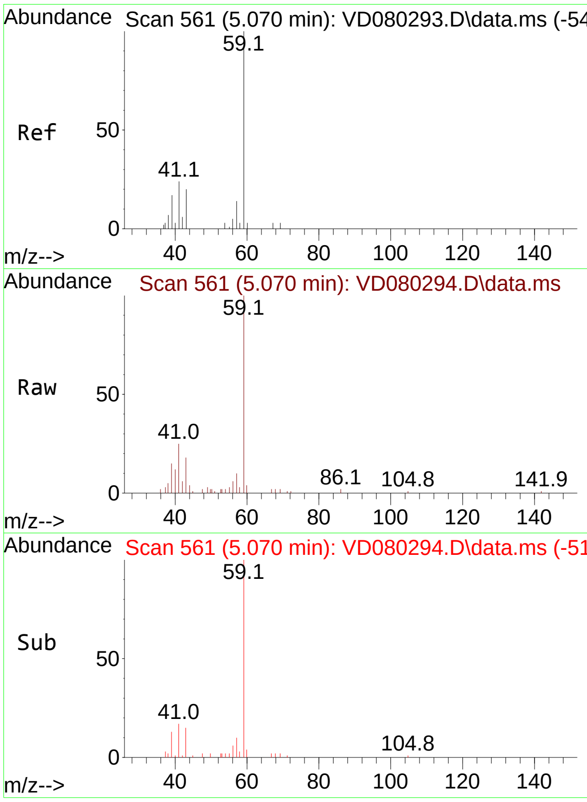


#10
Methyl Iodide
Concen: 105.837 ug/l
RT: 4.159 min   Scan# 406
Delta R.T.   -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025   15:19

Tgt Ion:142 Resp: 174606

Ion	Ratio	Lower	Upper
142	100		
127	43.2	34.6	52.0
141	15.2	12.2	18.4





#11
Tert butyl alcohol
Concen: 451.011 ug/l
RT: 5.070 min Scan# 5
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 4663

Ion	Ratio	Lower	Upper
59	100		
57	11.4	10.6	16.0

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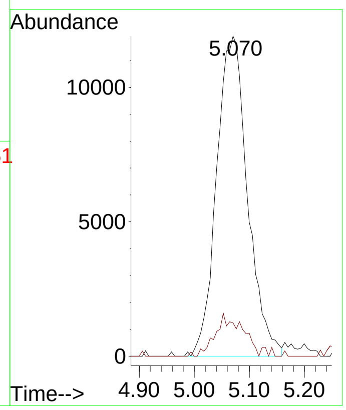
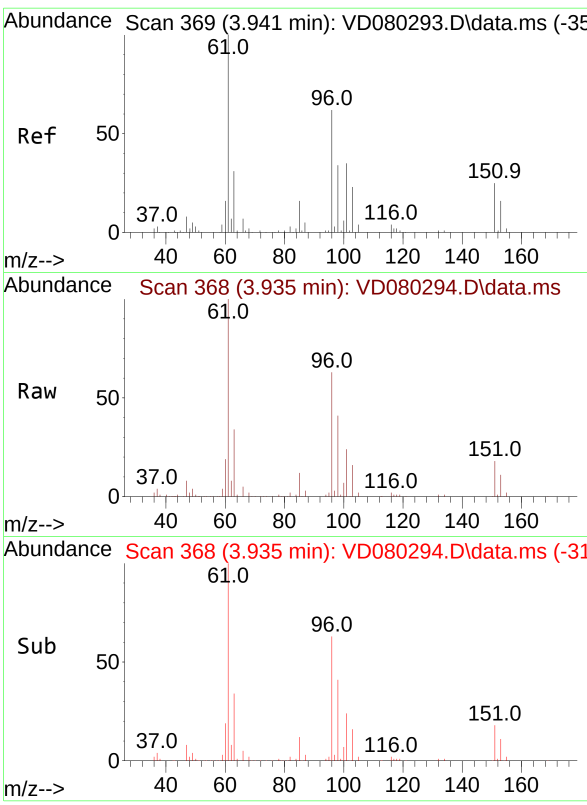
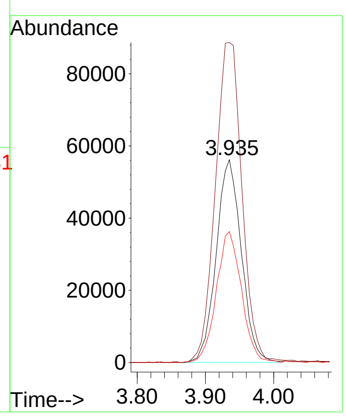




#12
1,1-Dichloroethene
Concen: 90.635 ug/l
RT: 3.935 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 96 Resp: 144612

Ion	Ratio	Lower	Upper
96	100		
61	157.9	128.2	192.2
98	64.6	43.9	65.9



Instrument :
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VSTDICC100

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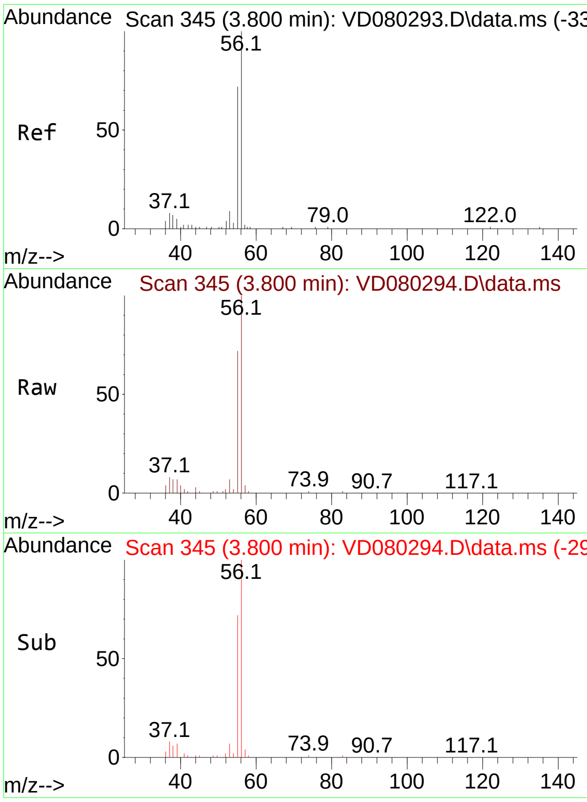
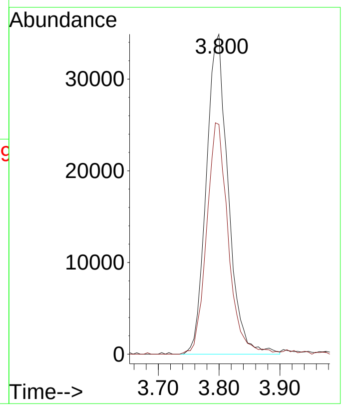
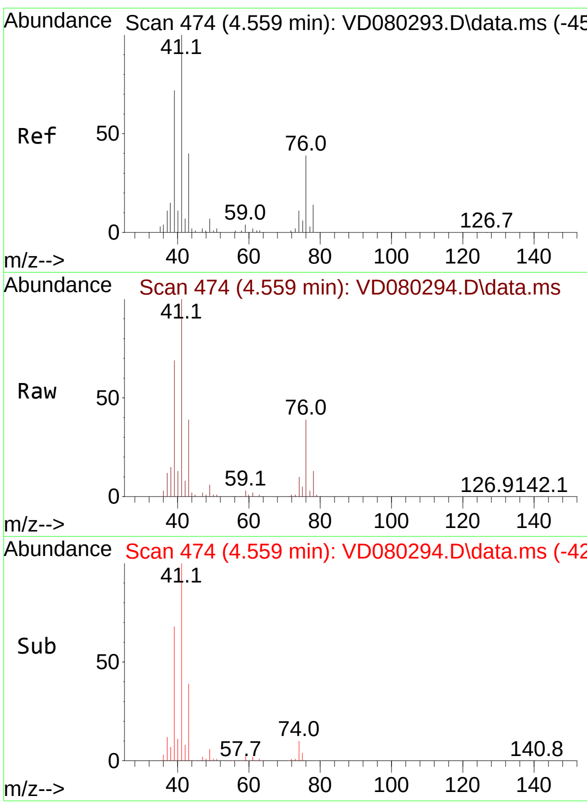


#13
Acrolein
Concen: 481.431 ug/l
RT: 3.800 min Scan# 34
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 56 Resp: 8758

Ion	Ratio	Lower	Upper
56	100		
55	71.4	57.4	86.2

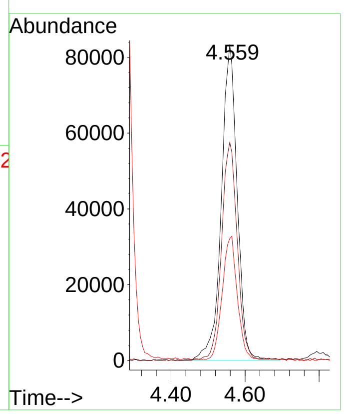




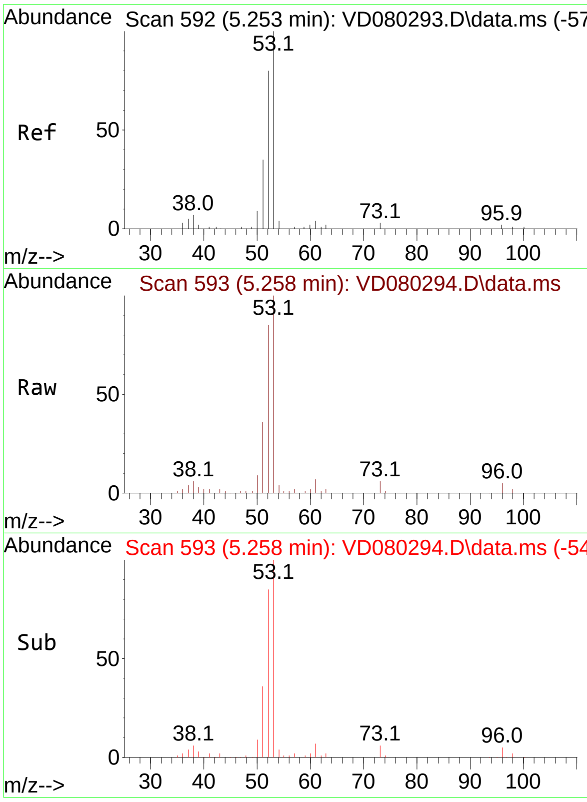
#14
Allyl chloride
Concen: 99.447 ug/l
RT: 4.559 min Scan# 474
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 41 Resp: 249545

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.0	79.4
76	36.8	28.8	43.2



ICAL Form



#15
Acrylonitrile
Concen: 490.847 ug/l
RT: 5.258 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 53 Resp: 19133

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.3	100.9
51	37.0	30.4	45.6

Instrument :
MSVOA_D
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VSTDICC100

Manual Integrations
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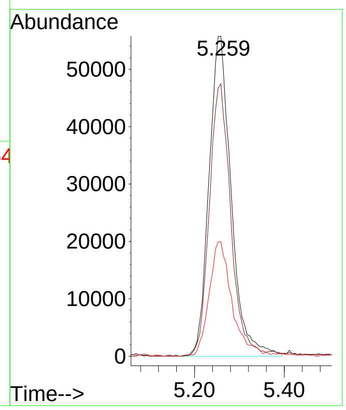
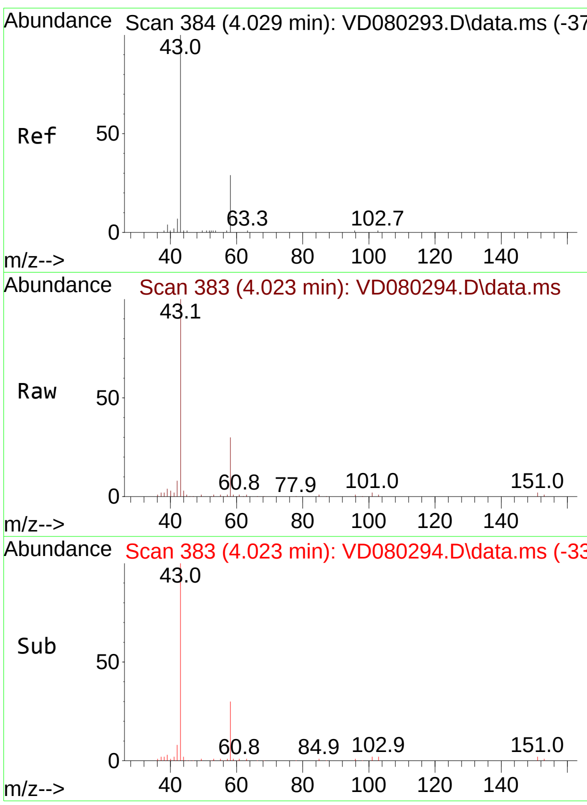
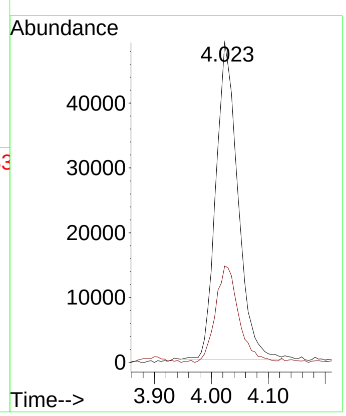


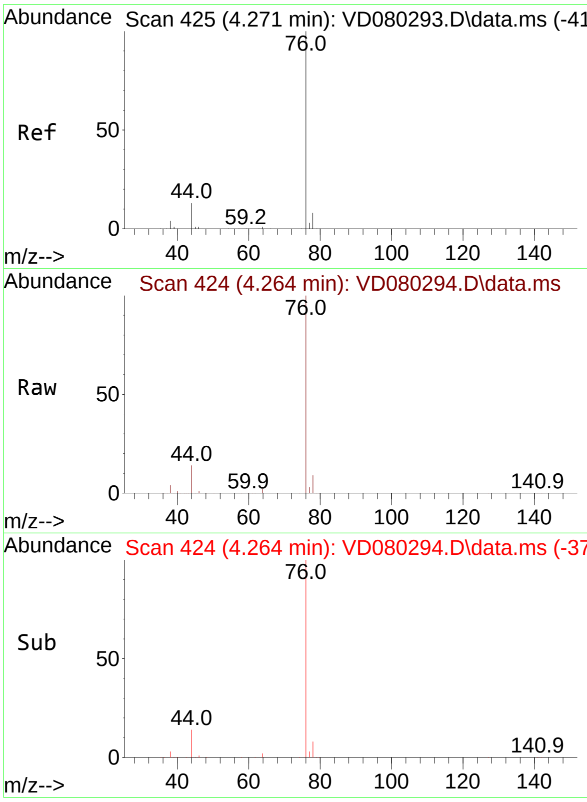


#16
Acetone
Concen: 503.175 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 131754

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.9	34.3





#17
Carbon Disulfide
Concen: 87.984 ug/l
RT: 4.264 min Scan# 4
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 76 Resp: 487479
Ion Ratio Lower Upper
76 100
78 8.9 6.6 10.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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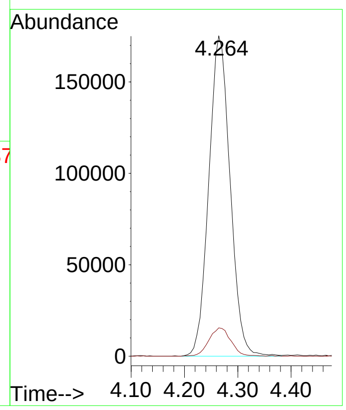
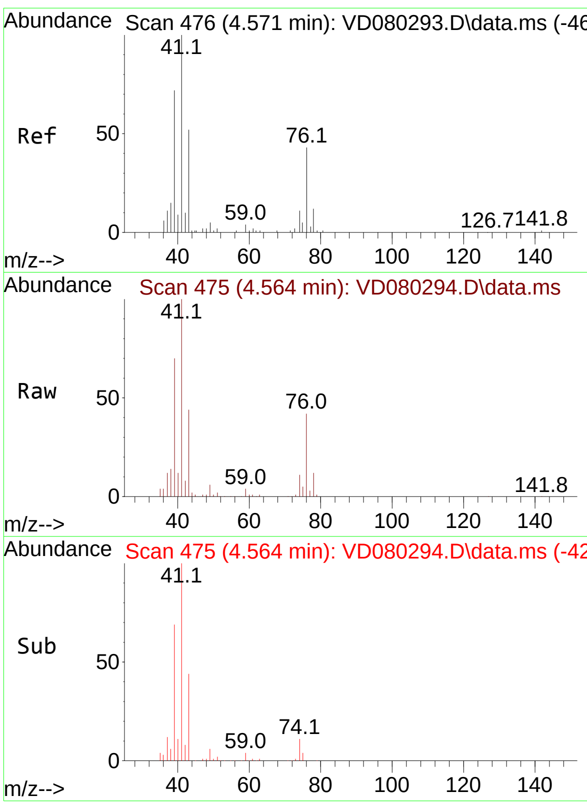
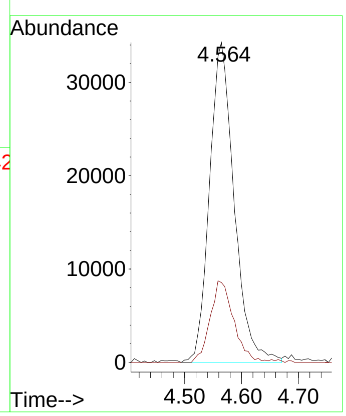
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





#18
Methyl Acetate
Concen: 93.551 ug/l
RT: 4.564 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 103309
Ion Ratio Lower Upper
43 100
74 24.3 20.4 30.6



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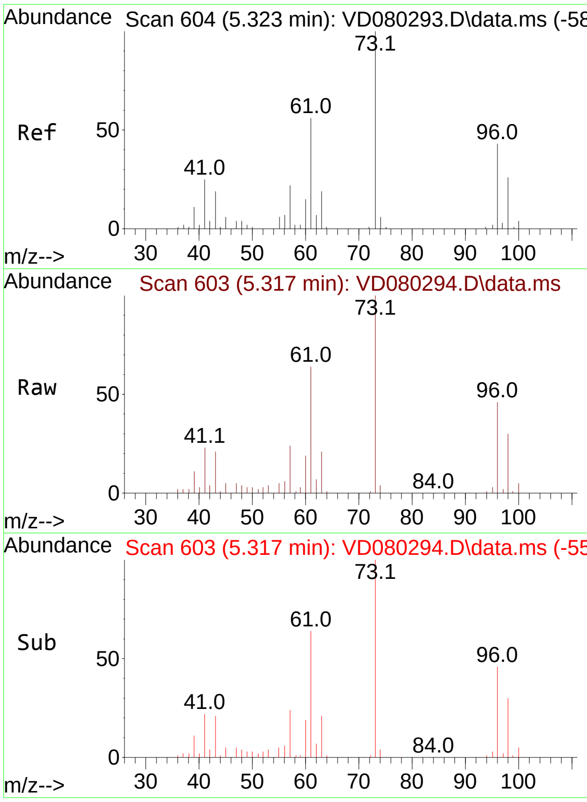

#19
Methyl tert-butyl Ether
Concen: 105.651 ug/l
RT: 5.317 min Scan# 6(
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 73 Resp: 370328

Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.5	26.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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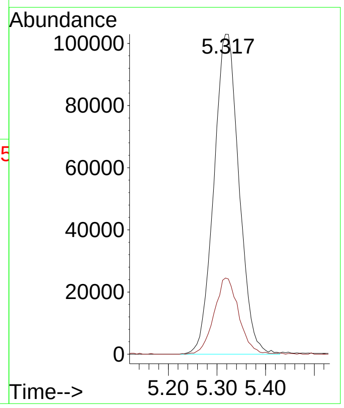
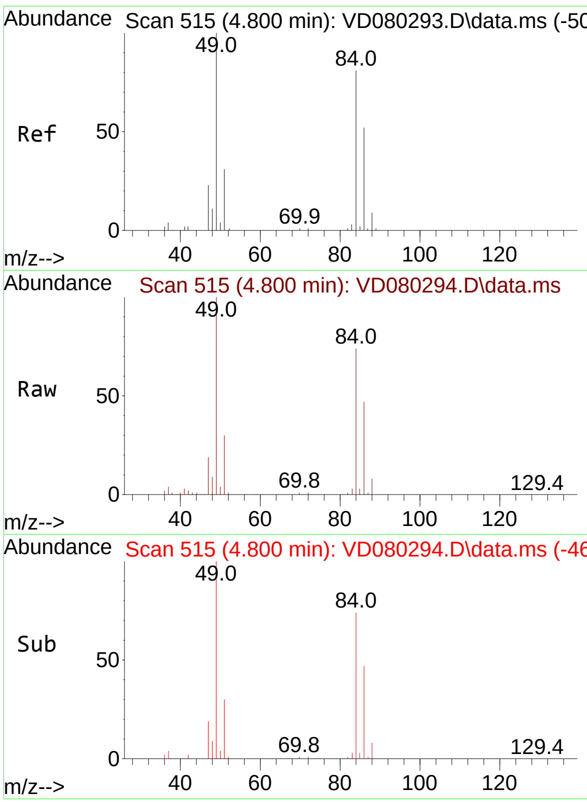
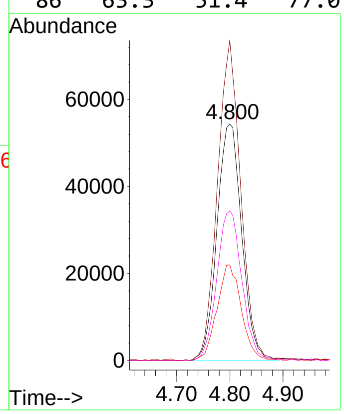




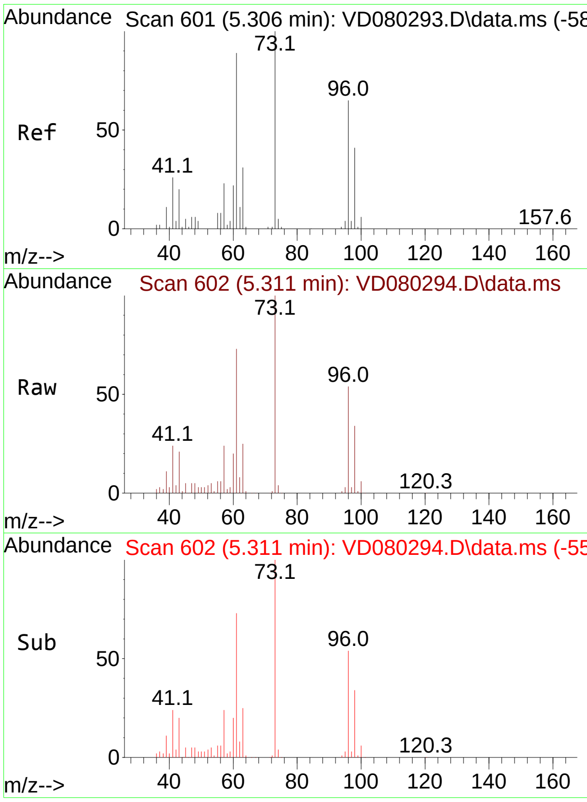
#20
Methylene Chloride
Concen: 100.348 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 84 Resp: 175604

Ion	Ratio	Lower	Upper
84	100		
49	135.3	98.7	148.1
51	40.3	30.8	46.2
86	63.3	51.4	77.0



ICAL Form



#21
trans-1,2-Dichloroethene
Concen: 95.579 ug/l
RT: 5.311 min Scan# 6
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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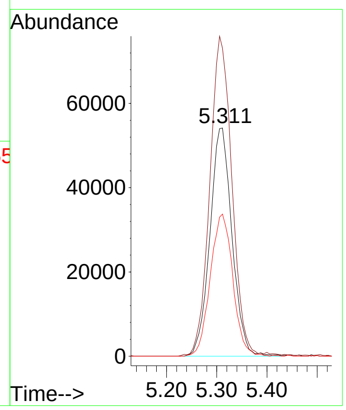
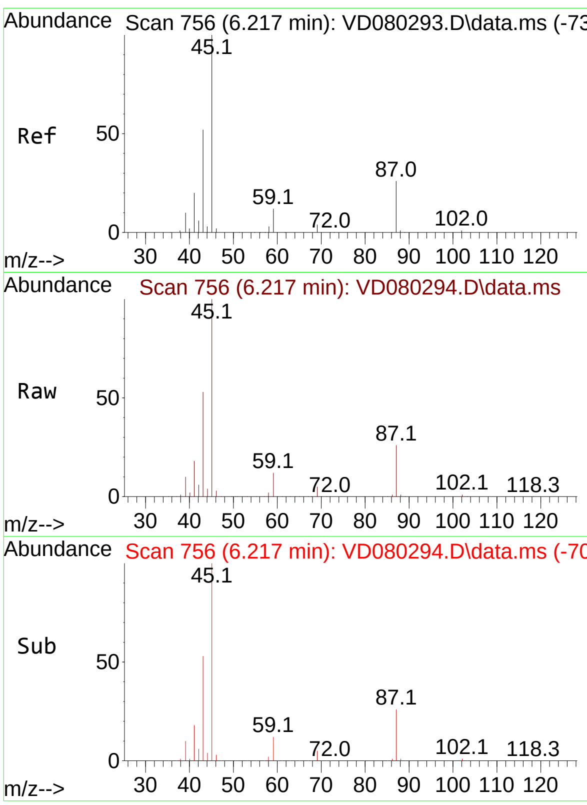
Tgt Ion: 96 Resp: 16567

Ion	Ratio	Lower	Upper
96	100		
61	134.6	109.9	164.9
98	62.3	50.6	75.8

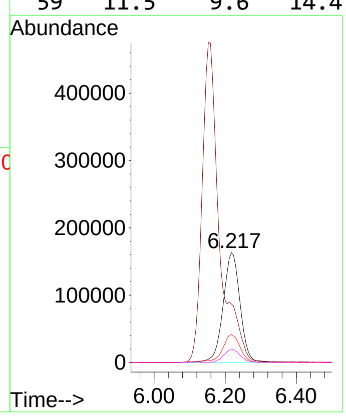




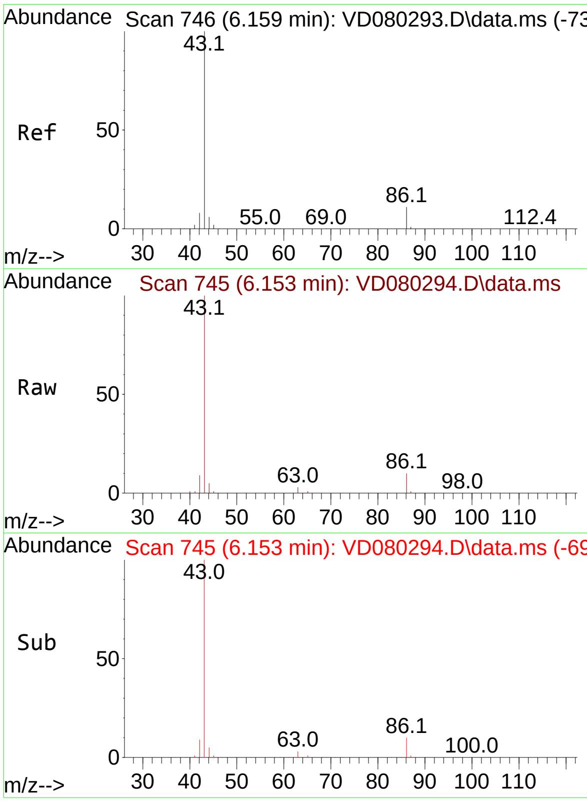
#22
Diisopropyl ether
Concen: 103.866 ug/l
RT: 6.217 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 45 Resp: 536894

Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.5	63.7
87	25.5	21.4	32.0
59	11.5	9.6	14.4



ICAL Form



#23
Vinyl Acetate
Concen: 534.453 ug/l
RT: 6.153 min Scan# 74
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 1609020

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	12.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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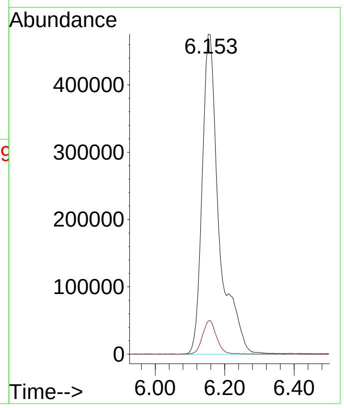
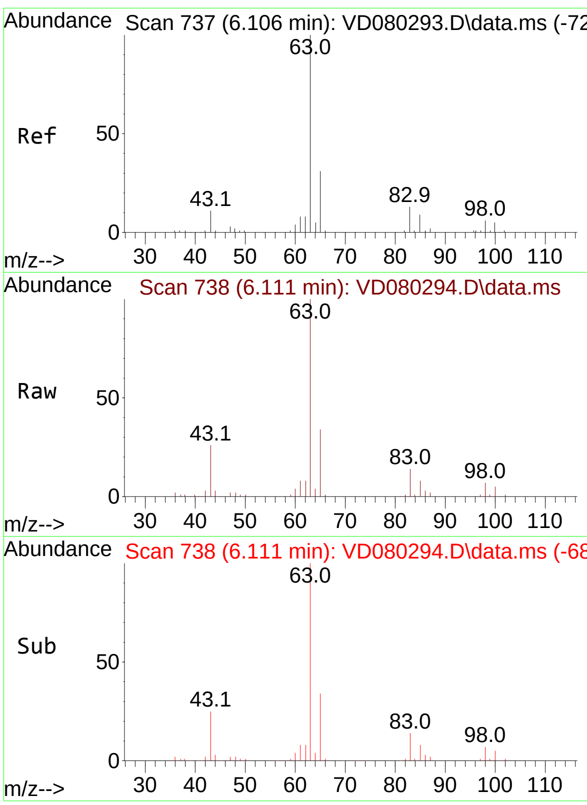
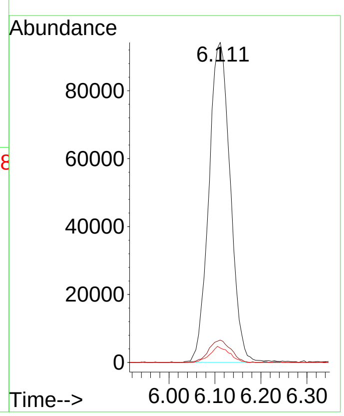




#24
1,1-Dichloroethane
Concen: 93.995 ug/l
RT: 6.111 min Scan# 738
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 63 Resp: 305739

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.1	9.3
100	4.6	2.3	6.9



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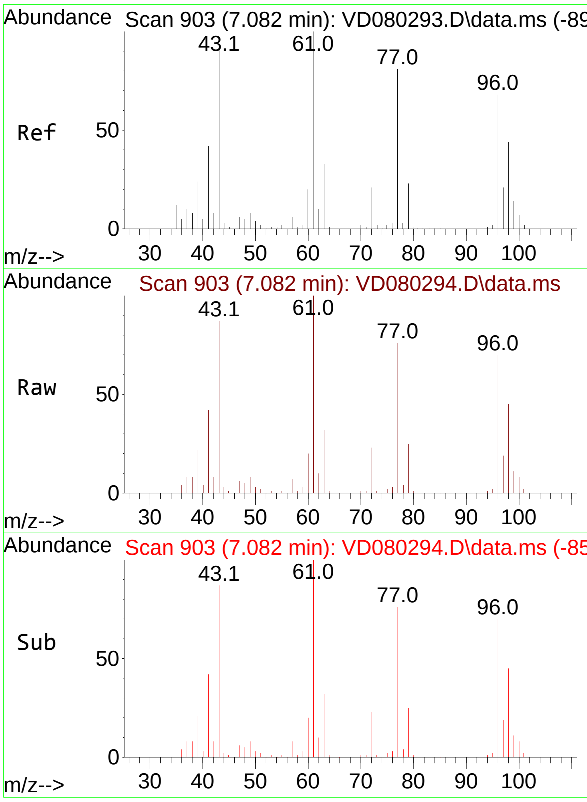

#25
2-Butanone
Concen: 494.218 ug/l
RT: 7.082 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 23171

Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.0	28.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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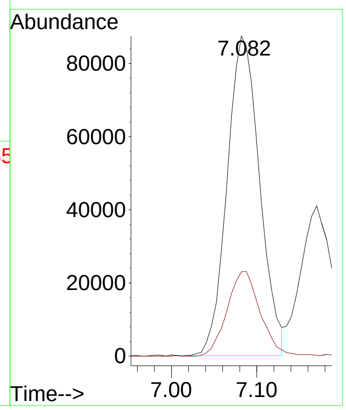
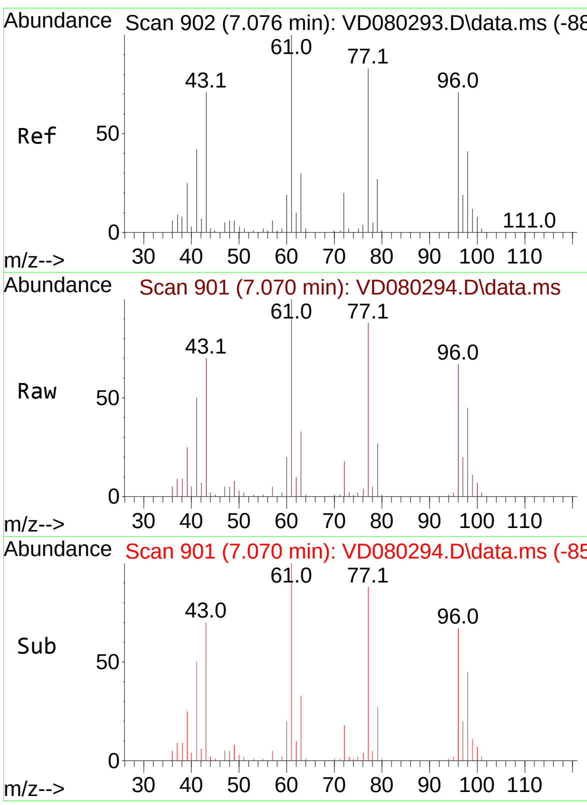
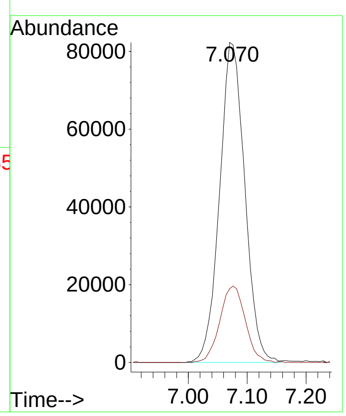




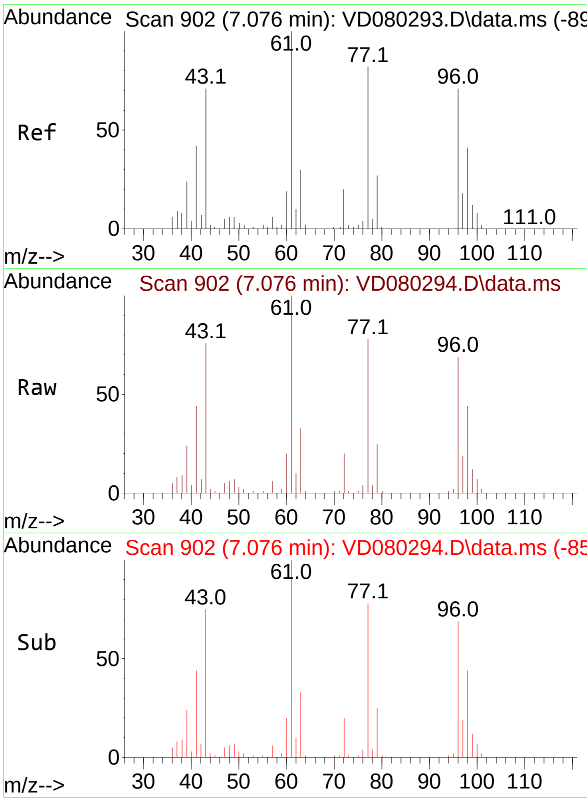
#26
2,2-Dichloropropane
Concen: 94.573 ug/l
RT: 7.070 min Scan# 901
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 77 Resp: 244780

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.0	36.1



ICAL Form



#27
cis-1,2-Dichloroethene
Concen: 101.334 ug/l
RT: 7.076 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 96 Resp: 19460

Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	293.8
98	64.5	0.0	128.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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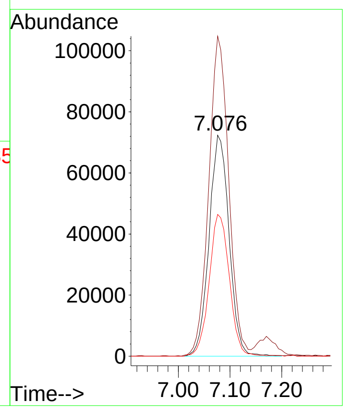
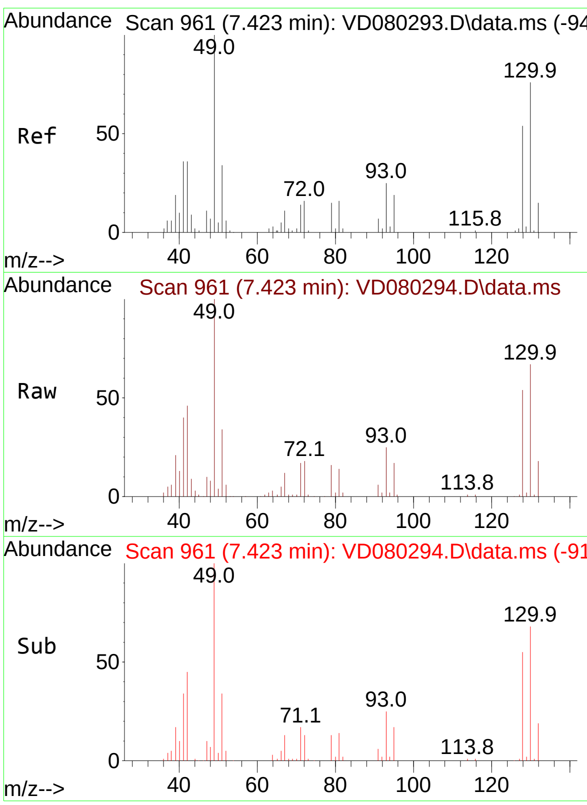
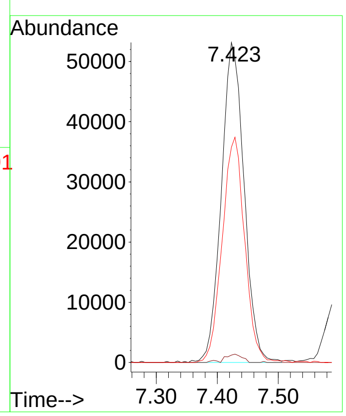




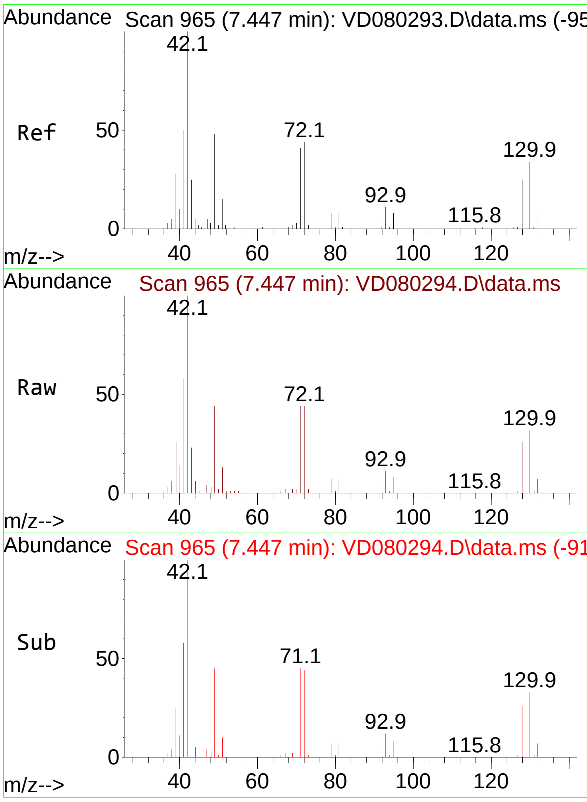
#28
Bromochloromethane
Concen: 91.137 ug/l
RT: 7.423 min Scan# 961
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 49 Resp: 138026

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	69.6	56.0	84.0



ICAL Form



#29
Tetrahydrofuran
Concen: 519.128 ug/l
RT: 7.447 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 15869

Ion	Ratio	Lower	Upper
42	100		
72	43.1	32.8	49.2
71	41.0	33.8	50.6

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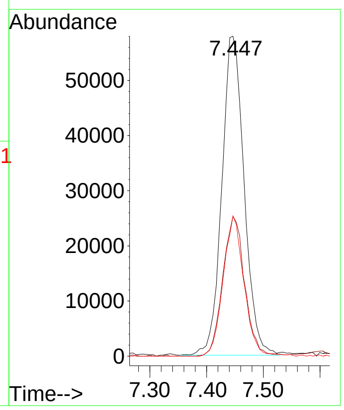
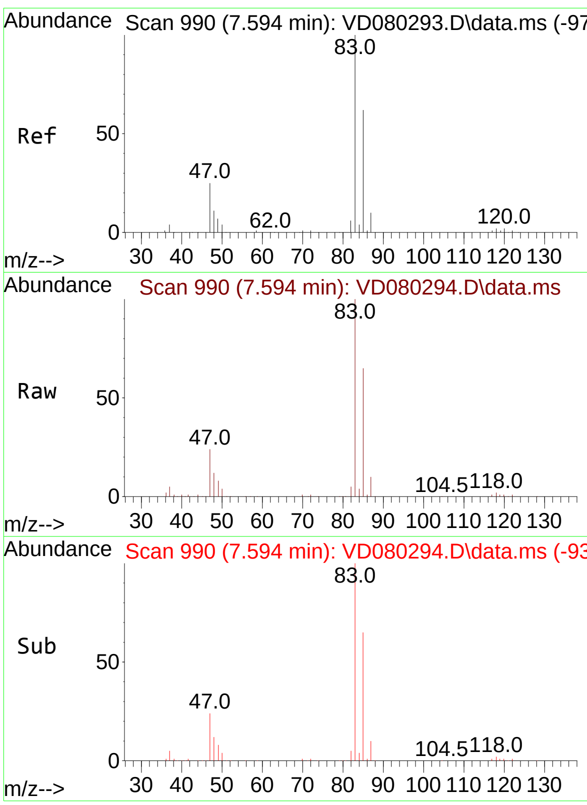
Supervised By :Semsettin Yesilyurt 05/07/2025

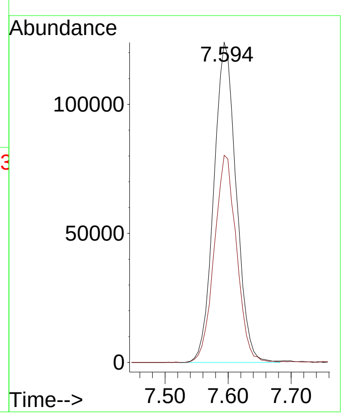


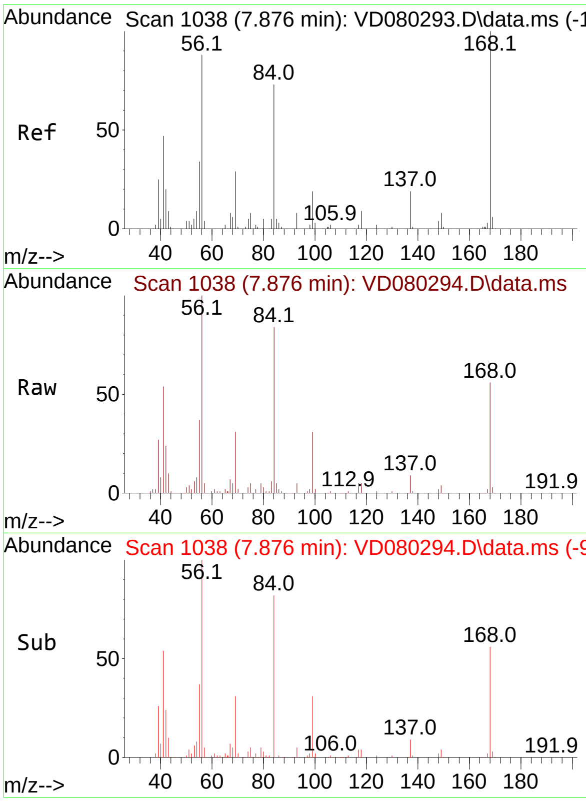


#30
Chloroform
Concen: 94.527 ug/l
RT: 7.594 min Scan# 990
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 83 Resp: 306617

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.0	75.0





#31
Cyclohexane
Concen: 94.290 ug/l
RT: 7.876 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025   15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 26103

Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.1	39.1
84	83.5	66.5	99.7

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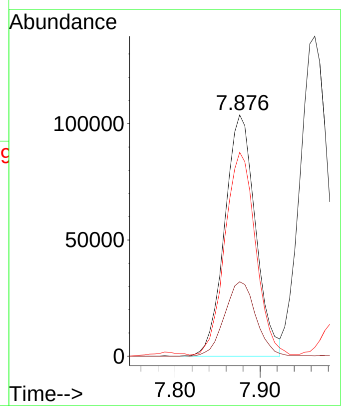
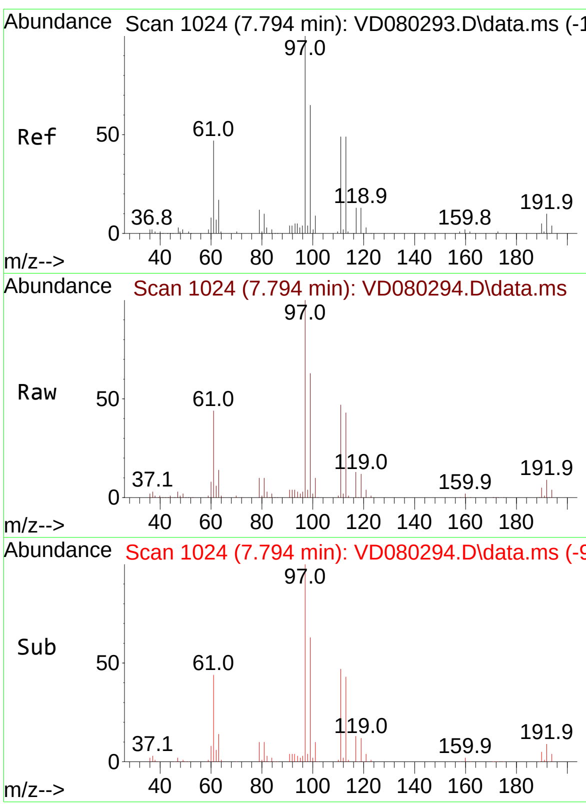
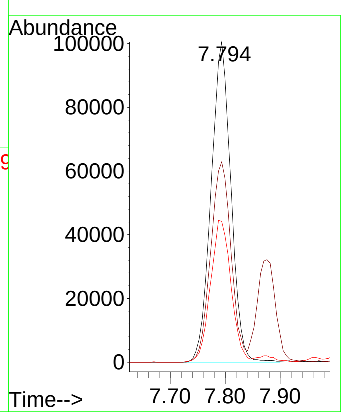




#32
1,1,1-Trichloroethane
Concen: 95.466 ug/l
RT: 7.794 min   Scan# 1024
Delta R.T.   -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025   15:19

Tgt Ion: 97 Resp: 252641

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	46.0	37.9	56.9



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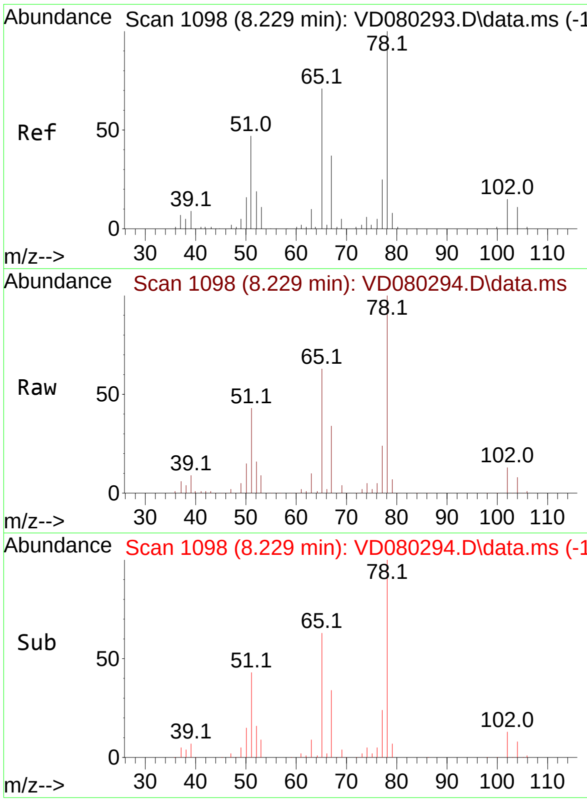

#33
1,2-Dichloroethane-d4
Concen: 93.685 ug/l
RT: 8.229 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025   15:19

Tgt Ion: 65 Resp: 15964

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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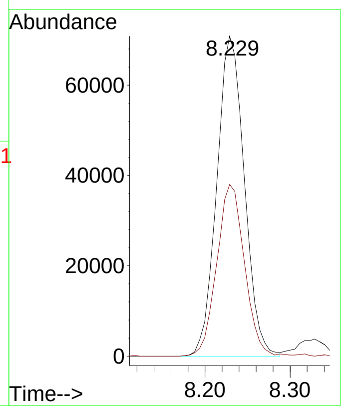
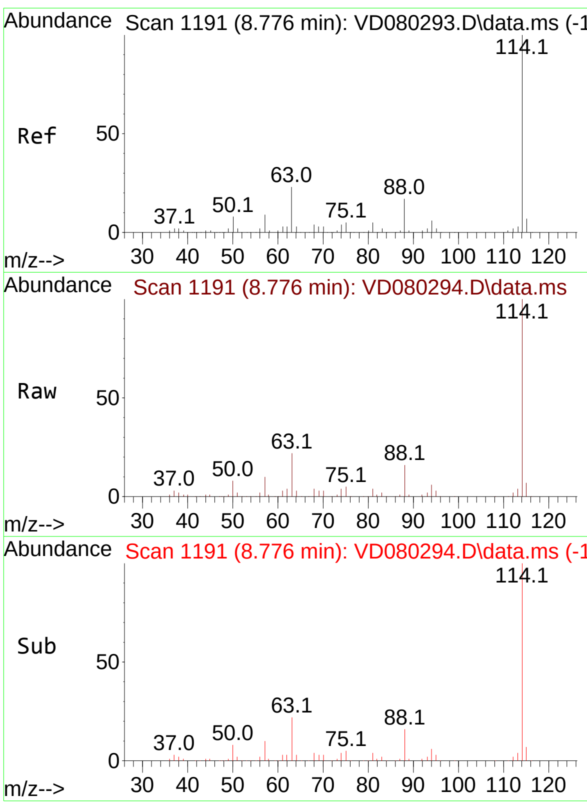
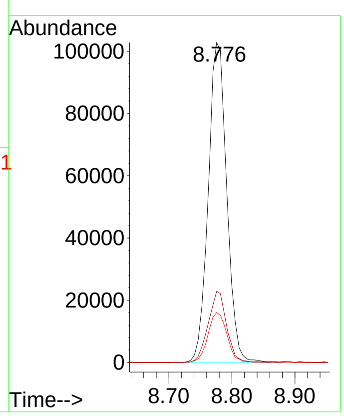




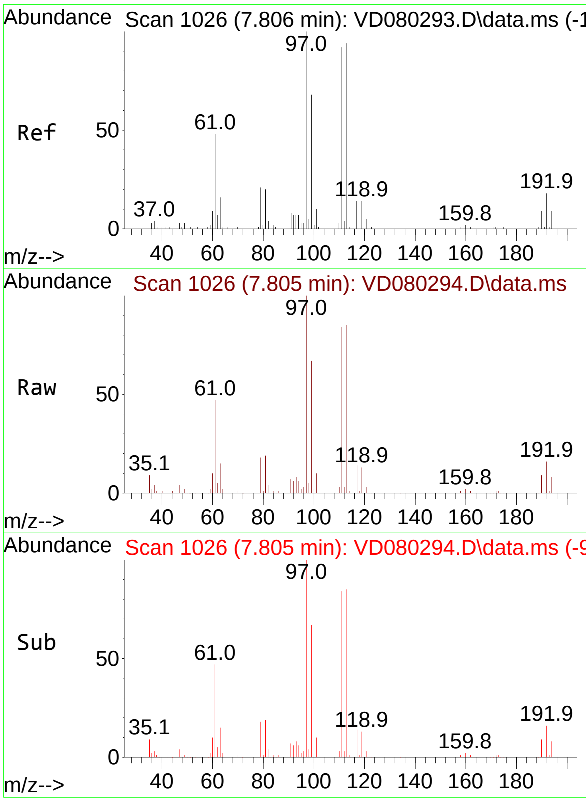
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min   Scan# 1191
Delta R.T.   -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025   15:19

Tgt Ion:114 Resp: 210502

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.6
88	15.6	0.0	33.2



ICAL Form



#35
Dibromofluoromethane
Concen: 100.690 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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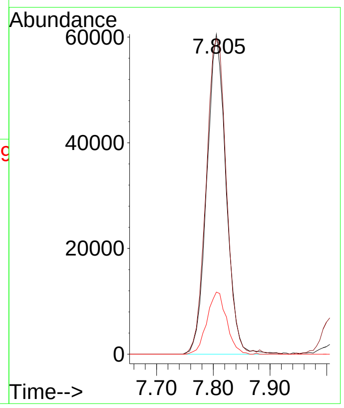
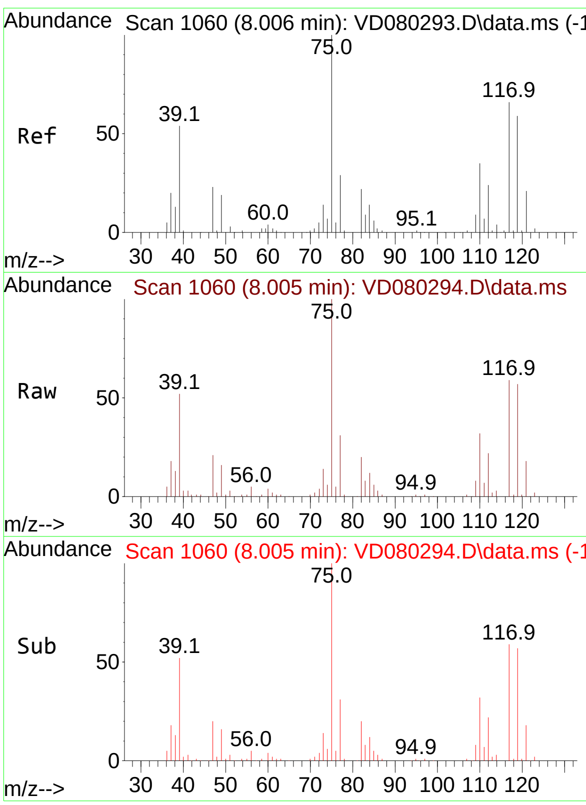
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion:113 Resp: 14206

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.7	121.1
192	19.9	15.7	23.5

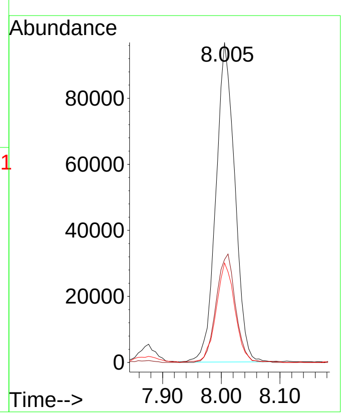


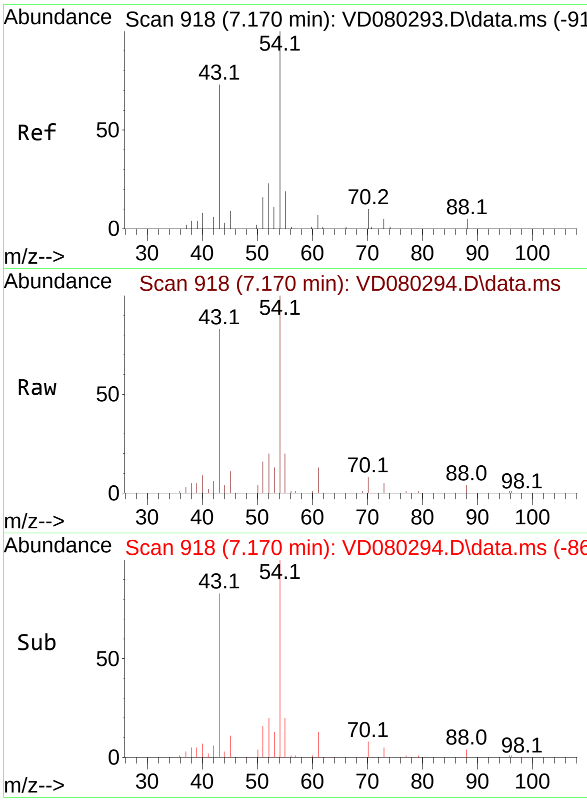


#36
1,1-Dichloropropene
Concen: 102.959 ug/l
RT: 8.005 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 75 Resp: 217097

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.1	51.2
77	31.1	24.9	37.3





#37
Ethyl Acetate
Concen: 100.301 ug/l
RT: 7.170 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 110302

Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.2	18.4
70	10.5	8.7	13.1

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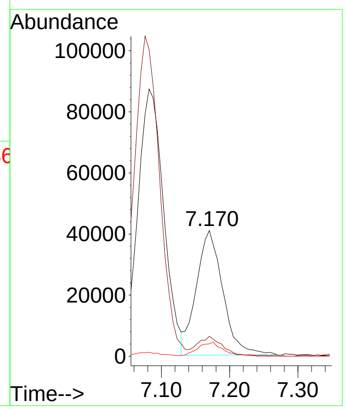
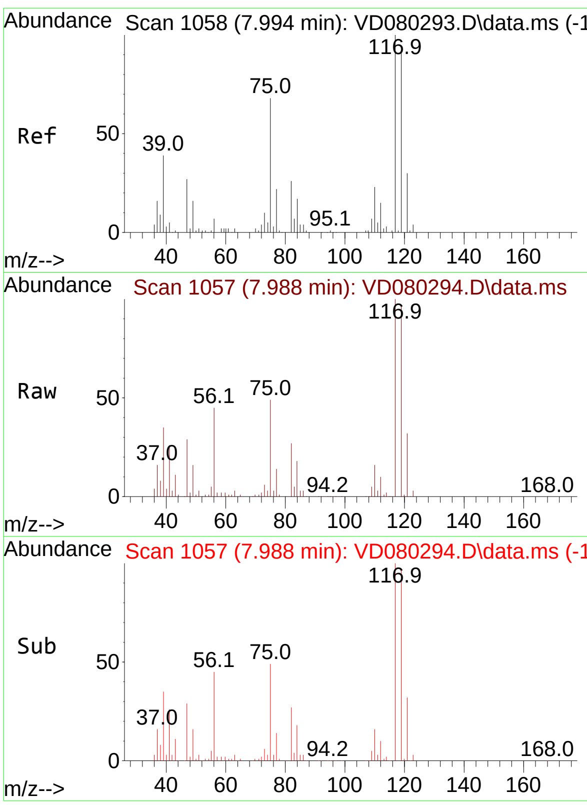
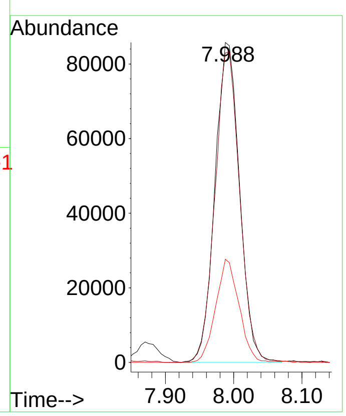




#38
Carbon Tetrachloride
Concen: 98.123 ug/l
RT: 7.988 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:117 Resp: 215775

Ion	Ratio	Lower	Upper
117	100		
119	96.8	72.7	109.1
121	32.3	24.4	36.6



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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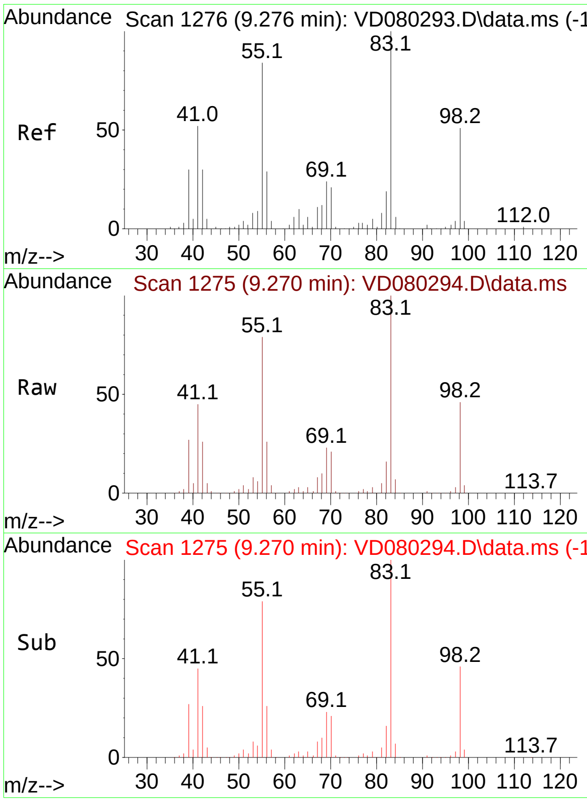
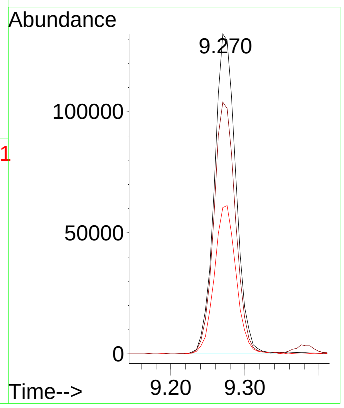
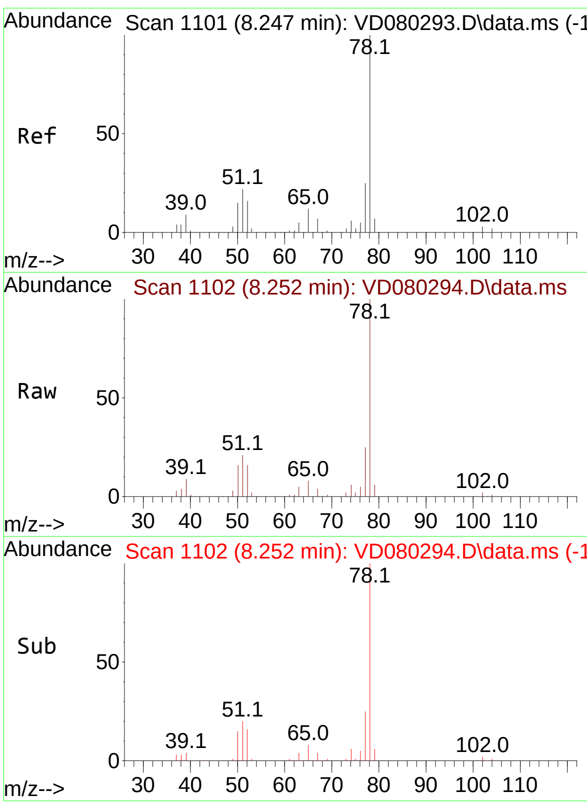



```
#39
Methylcyclohexane
Concen:  109.496 ug/l
RT:   9.270 min  Scan# 1
Delta R.T.  -0.006 min
Lab File:   VD080294.D
Acq: 06 May 2025  15:19

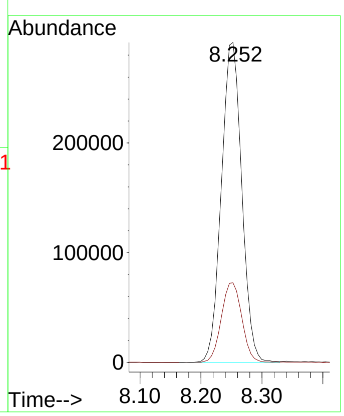
Tgt Ion: 83 Resp:  26791
Ion  Ratio  Lower  Upper
 83  100
 55   78.6   67.4  101.2
 98   45.8   40.6   61.0
```

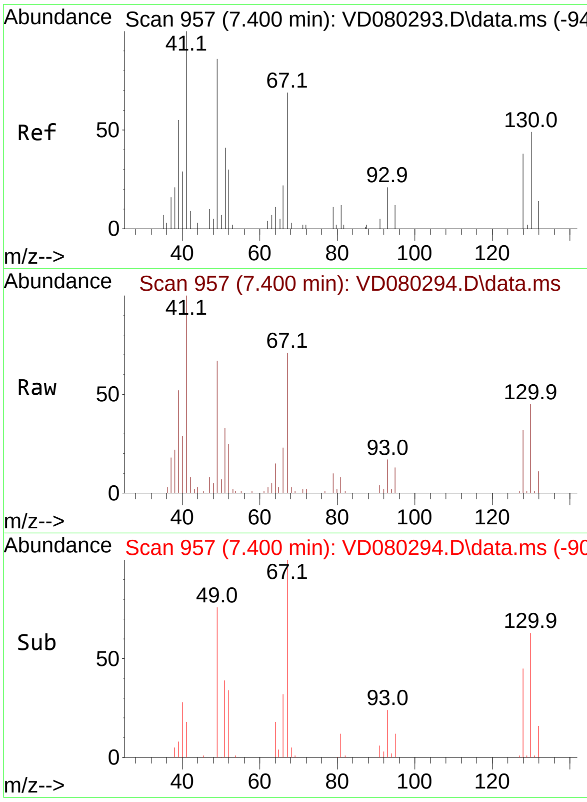





```
#40
Benzene
Concen:  102.680 ug/l
RT:   8.252 min  Scan# 1102
Delta R.T.  0.006 min
Lab File:   VD080294.D
Acq: 06 May 2025  15:19

Tgt Ion: 78 Resp:  678390
Ion  Ratio  Lower  Upper
 78  100
 77   24.9   19.8   29.8
```





#41
Methacrylonitrile
Concen: 97.466 ug/l
RT: 7.400 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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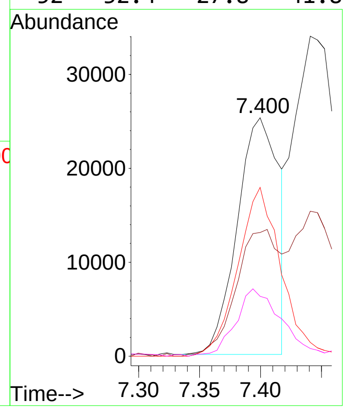
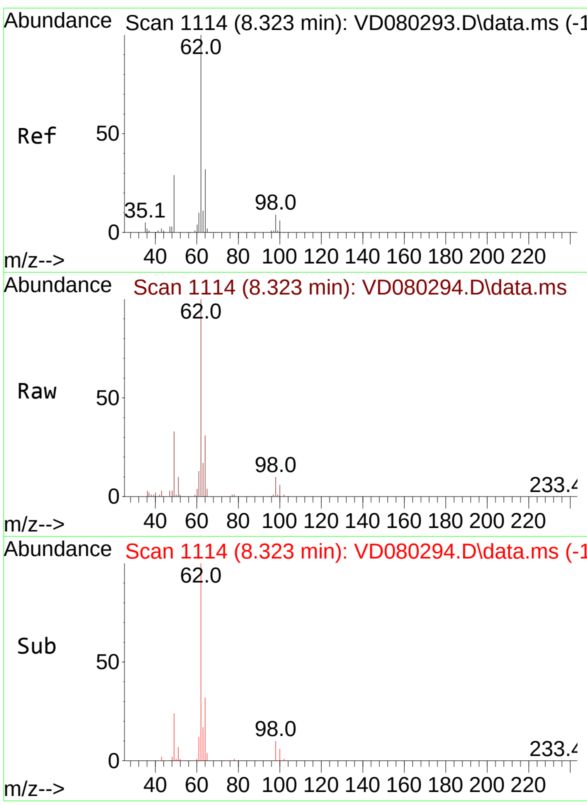
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 41 Resp: 5947

Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.4	66.6
67	75.1	57.1	85.7
52	32.4	27.8	41.8

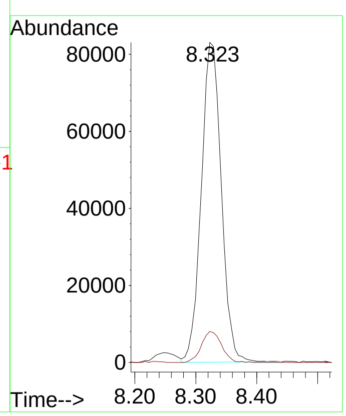


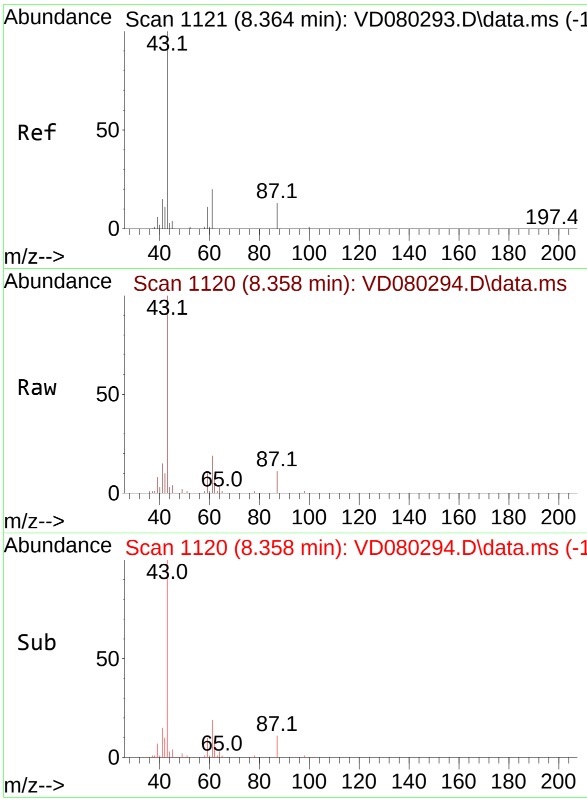


#42
1,2-Dichloroethane
Concen: 98.854 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 62 Resp: 189251

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43
Isopropyl Acetate
Concen: 105.251 ug/l
RT: 8.358 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 21043

Ion	Ratio	Lower	Upper
43	100		
61	29.7	16.7	25.1
87	12.5	10.4	15.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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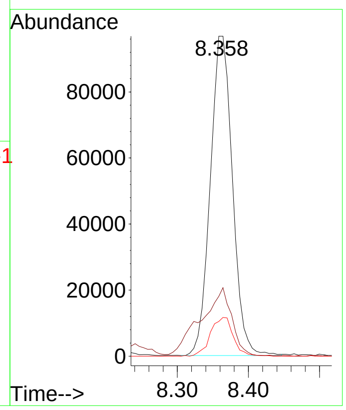
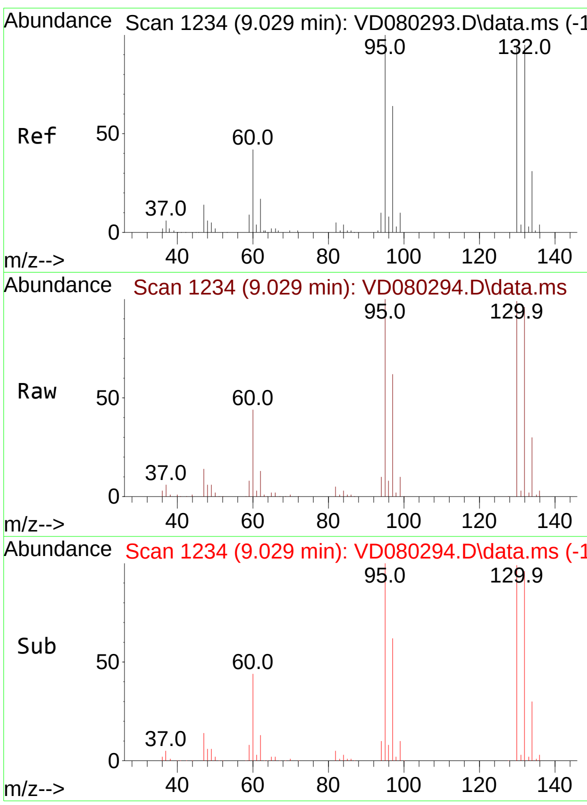
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

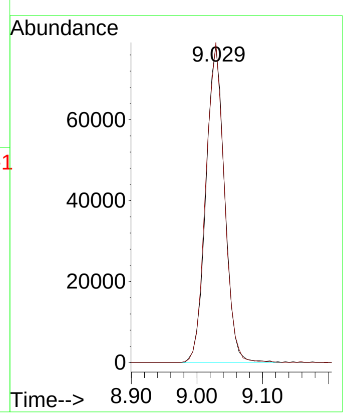




#44
Trichloroethene
Concen: 101.044 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:130 Resp: 154966

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	212.2



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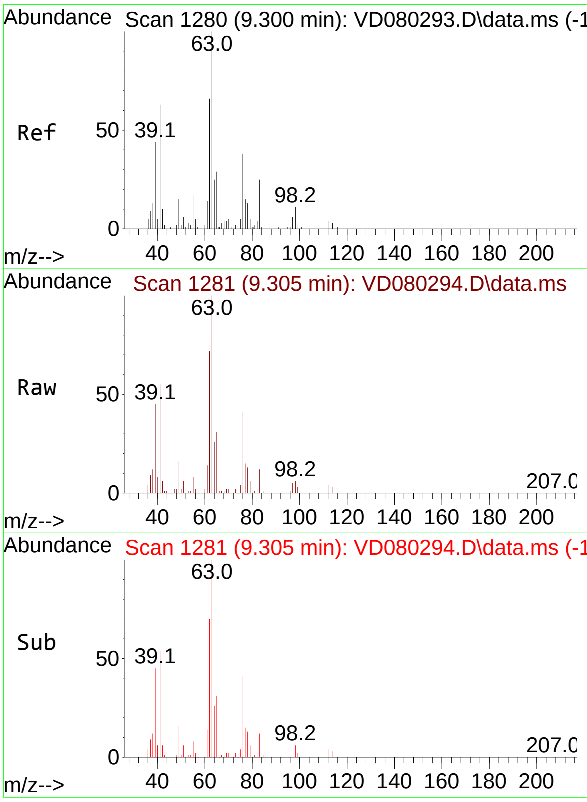

#45
1,2-Dichloropropane
Concen: 102.434 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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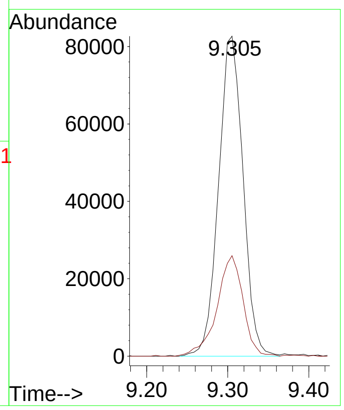
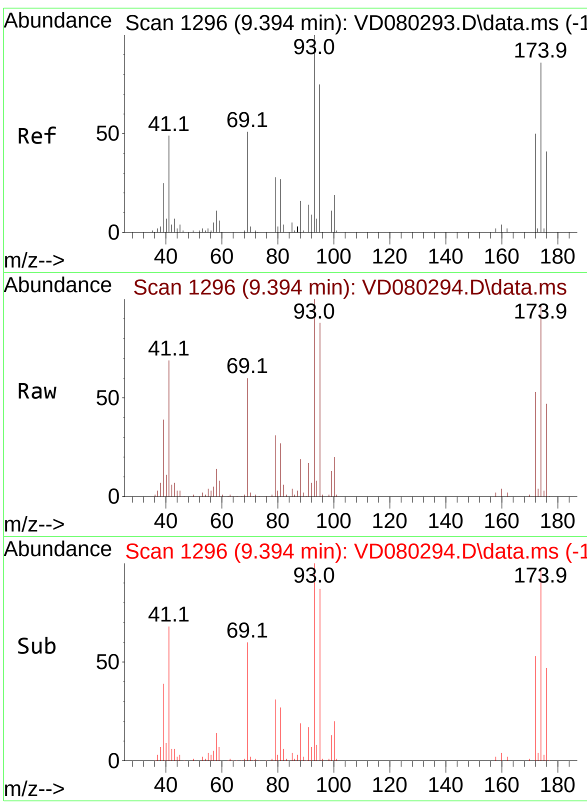
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 63 Resp: 17356

Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.9	34.3

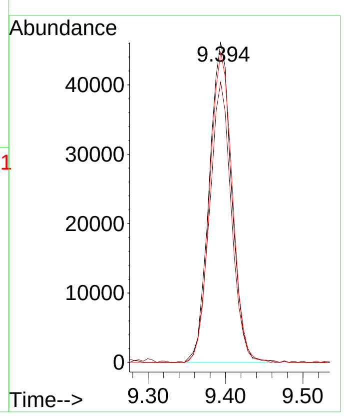


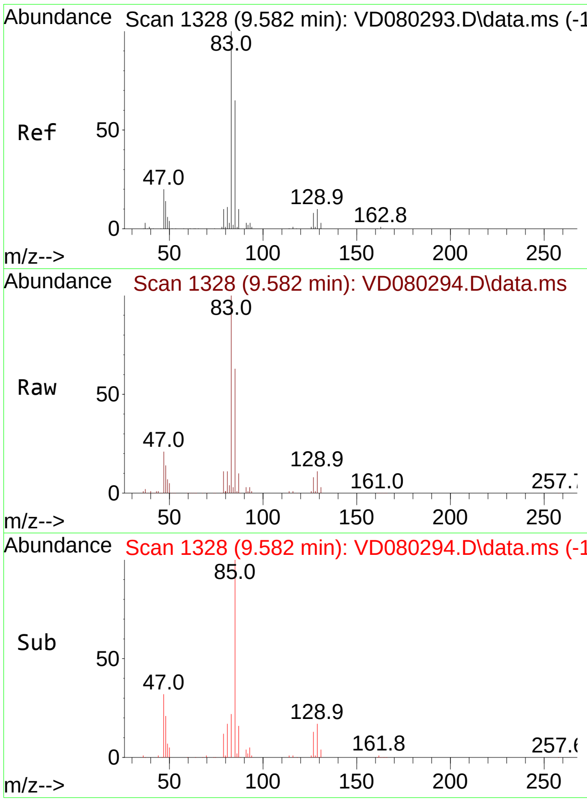


#46
Dibromomethane
Concen: 100.900 ug/l
RT: 9.394 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 93 Resp: 93085

Ion	Ratio	Lower	Upper
93	100		
95	85.7	67.3	100.9
174	97.3	75.5	113.3





#47
Bromodichloromethane
Concen: 102.070 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 239004

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.7	77.5
127	7.9	6.6	9.8

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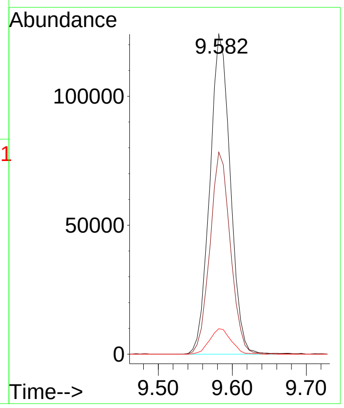
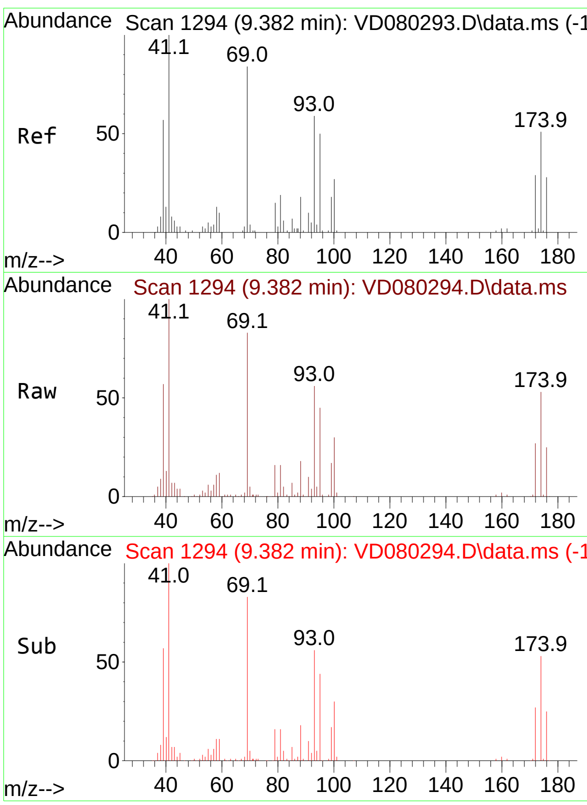
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

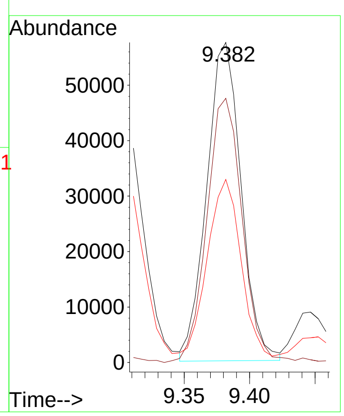




#48
Methyl methacrylate
Concen: 110.554 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 41 Resp: 105026

Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.8	101.8
39	53.8	47.5	71.3



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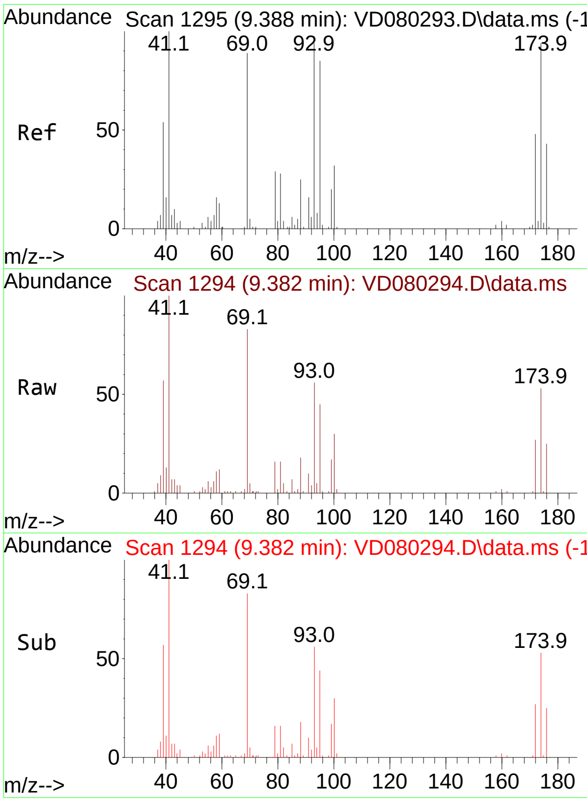

#49
1,4-Dioxane
Concen: 2168.170 ug/l
RT: 9.382 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 88 Resp: 2378

Ion	Ratio	Lower	Upper
88	100		
43	32.6	31.4	47.2
58	71.9	61.8	92.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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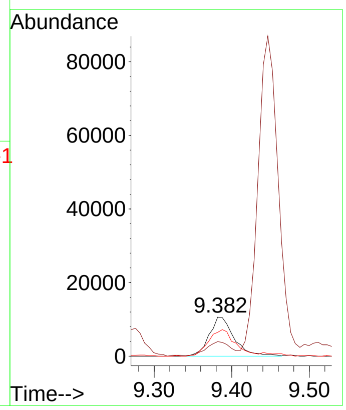
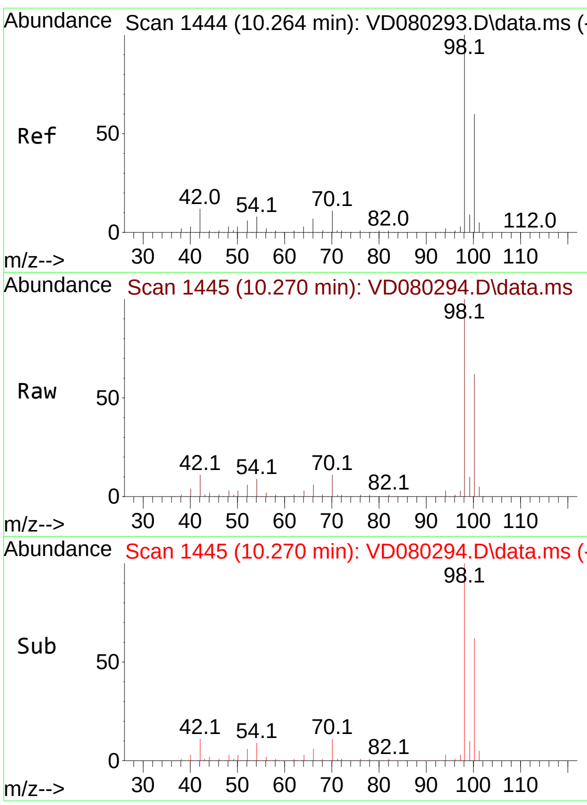
Supervised By :Semsettin Yesilyurt 05/07/2025

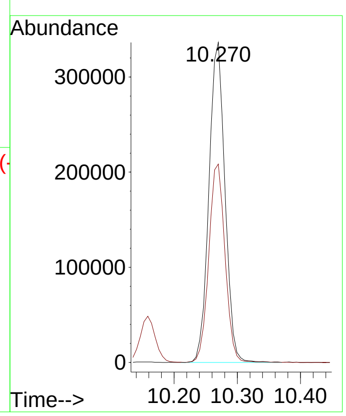




#50
Toluene-d8
Concen: 106.723 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 98 Resp: 593271

Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.0	75.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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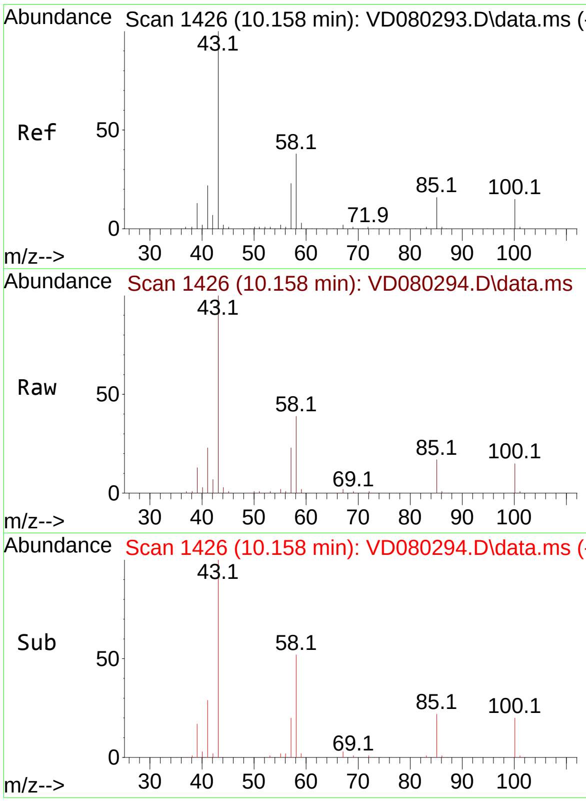
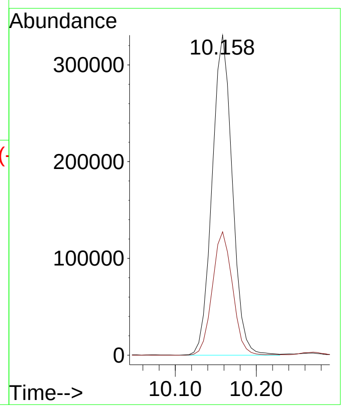
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

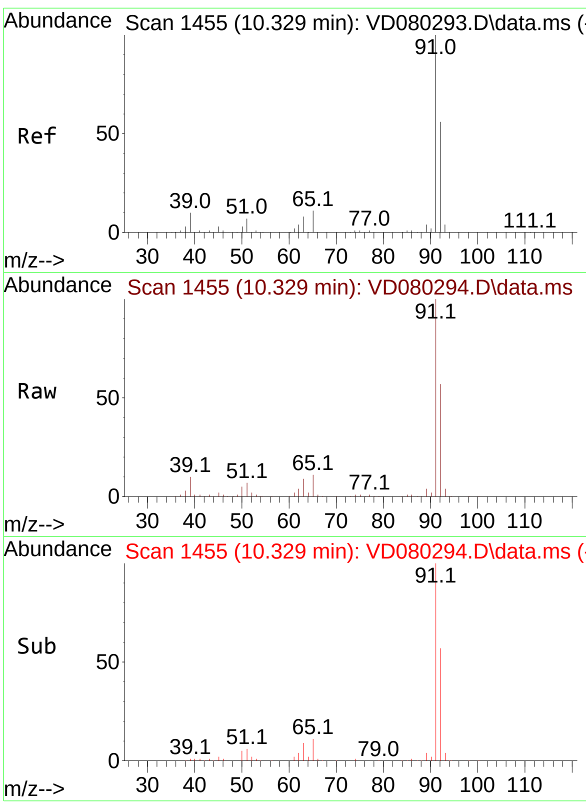


#51
4-Methyl-2-Pentanone
Concen: 556.850 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 573658

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.6	46.0

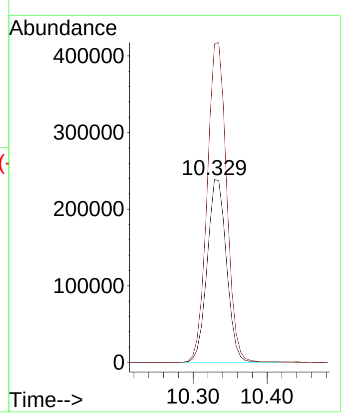




#52
Toluene
Concen: 109.088 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 92 Resp: 434203

Ion	Ratio	Lower	Upper
92	100		
91	175.9	143.4	215.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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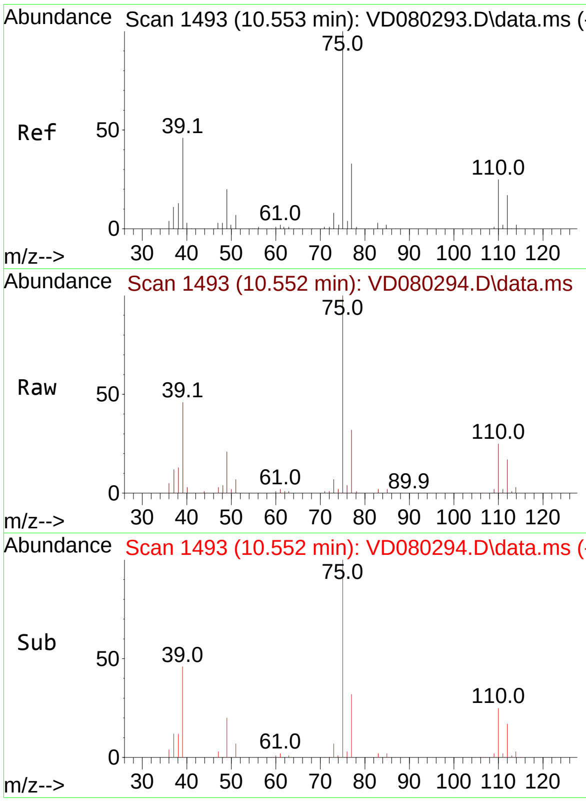
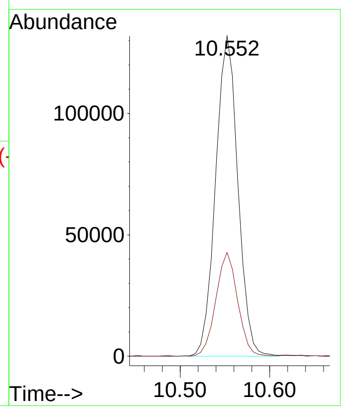
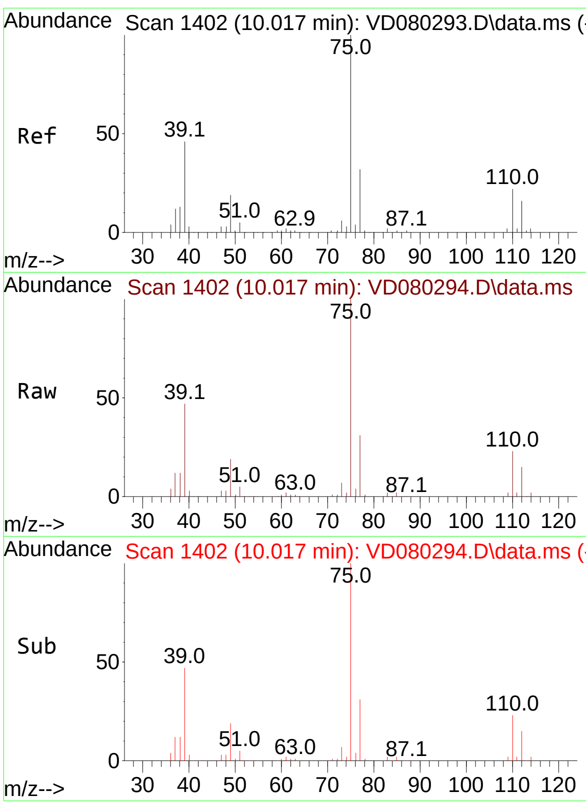
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#53
t-1,3-Dichloropropene
Concen:  106.672 ug/l
RT:  10.552 min   Scan# 14
Delta R.T.  -0.000 min
Lab File:   VD080294.D
Acq: 06 May 2025  15:19

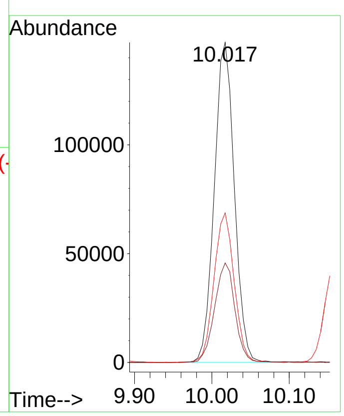
Tgt Ion: 75 Resp:  22770
Ion  Ratio  Lower  Upper
 75  100
 77   32.4   26.0   39.0
```

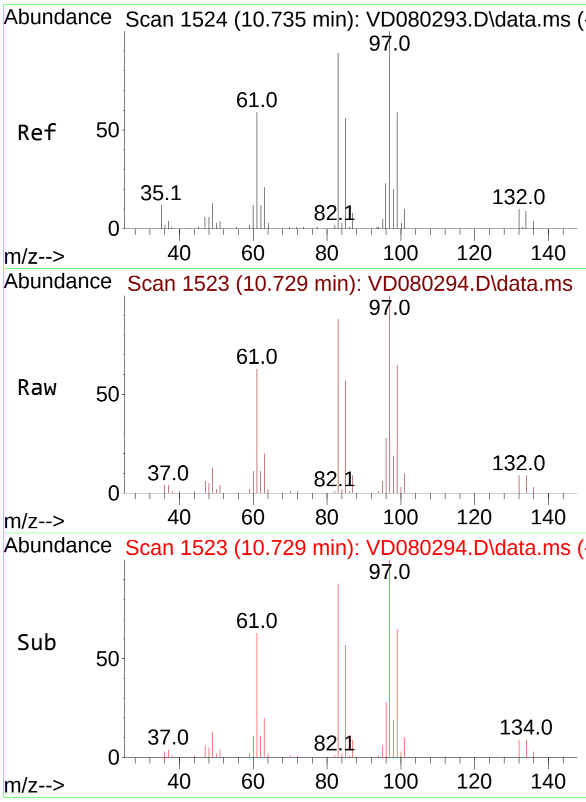





```
#54
cis-1,3-Dichloropropene
Concen:  107.247 ug/l
RT:  10.017 min   Scan# 1402
Delta R.T.  -0.000 min
Lab File:   VD080294.D
Acq: 06 May 2025  15:19

Tgt Ion: 75 Resp:  265293
Ion  Ratio  Lower  Upper
 75  100
 77   31.1   25.8   38.6
 39   46.6   37.0   55.6
```





#55
1,1,2-Trichloroethane
Concen: 101.280 ug/l
RT: 10.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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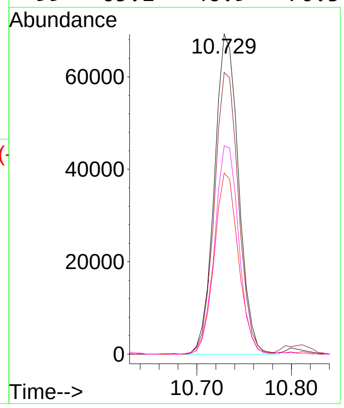
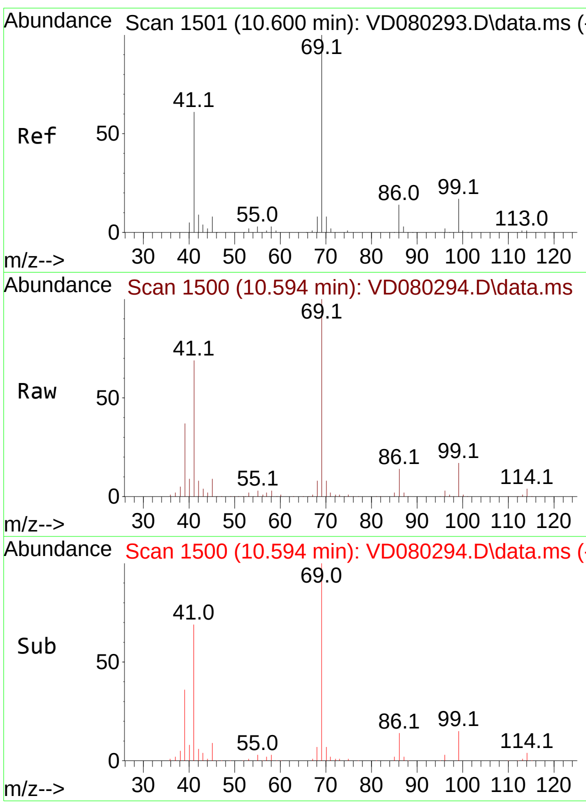
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 97 Resp: 12359

Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.0	106.4
85	56.6	44.9	67.3
99	65.1	46.9	70.3

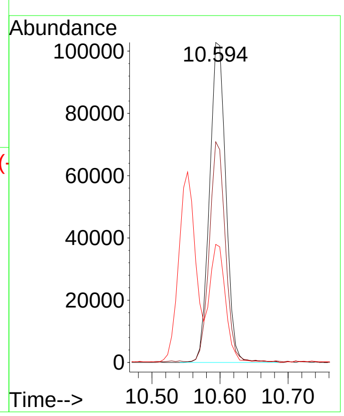


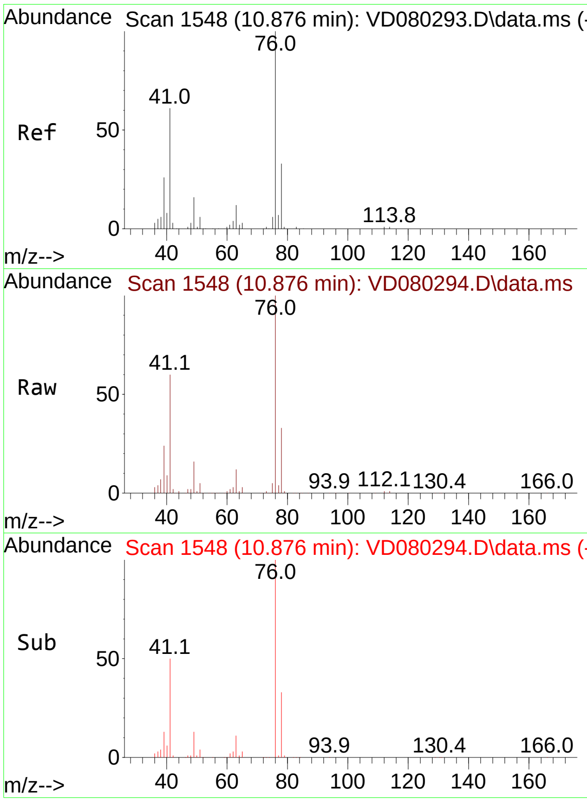


#56
Ethyl methacrylate
Concen: 116.611 ug/l
RT: 10.594 min Scan# 1500
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 69 Resp: 172432

Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.2	79.8
39	34.9	28.2	42.2





#57
1,3-Dichloropropane
Concen: 106.345 ug/l
RT: 10.876 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 76 Resp: 21568

Ion	Ratio	Lower	Upper
76	100		
78	32.4	27.2	40.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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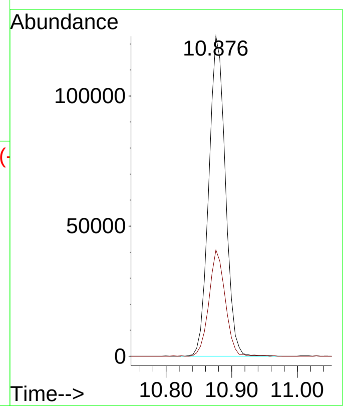
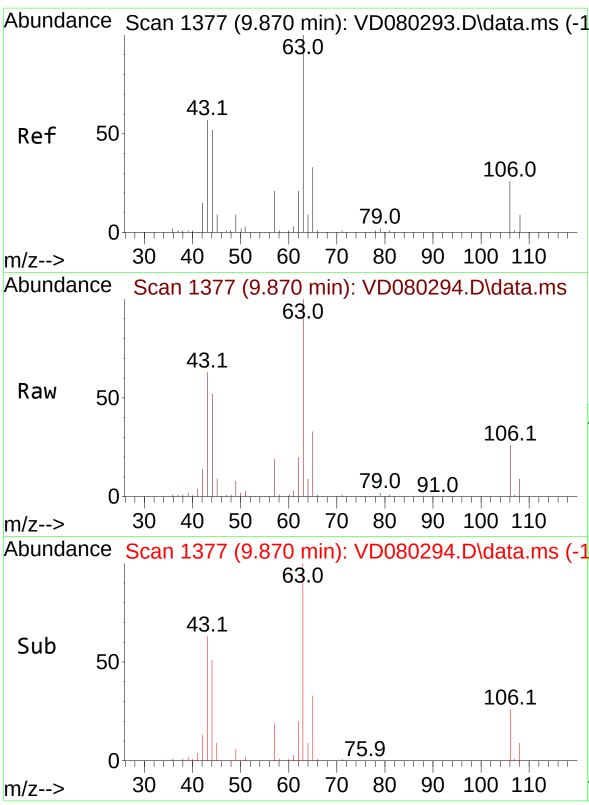
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

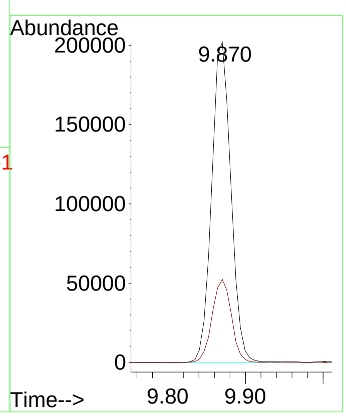




#58
2-Chloroethyl Vinyl ether
Concen: 577.899 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 63 Resp: 349715

Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.8	31.2



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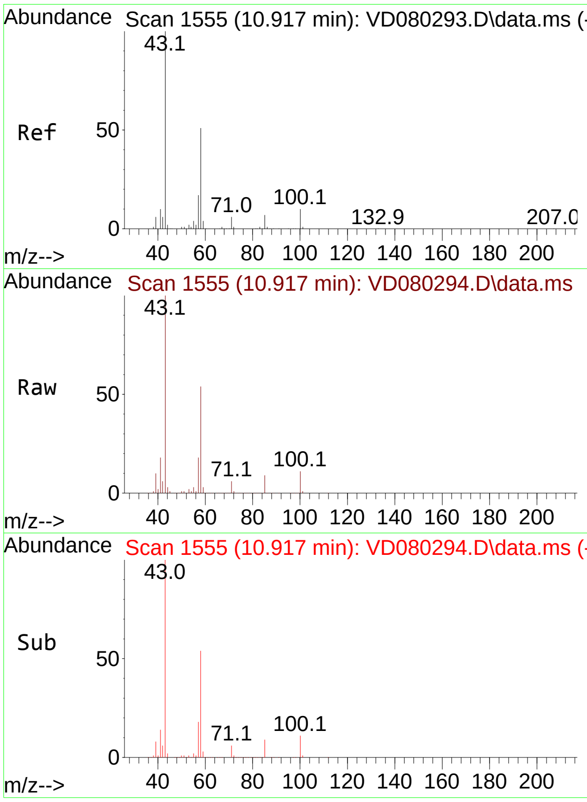


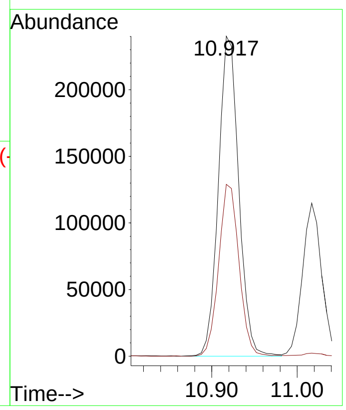
#59
2-Hexanone
Concen: 562.031 ug/l
RT: 10.917 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

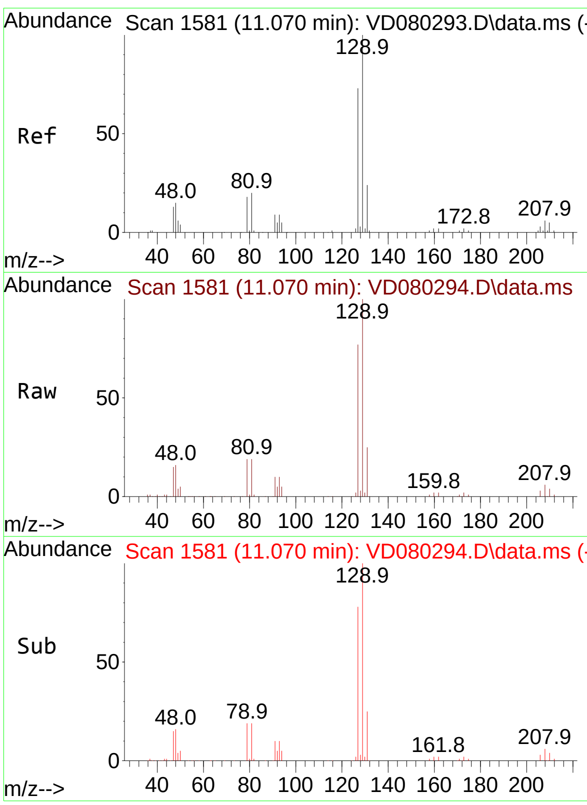
Tgt Ion: 43 Resp: 398292

Ion	Ratio	Lower	Upper
43	100		
58	53.8	26.3	78.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

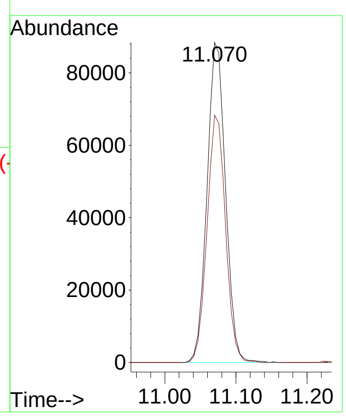




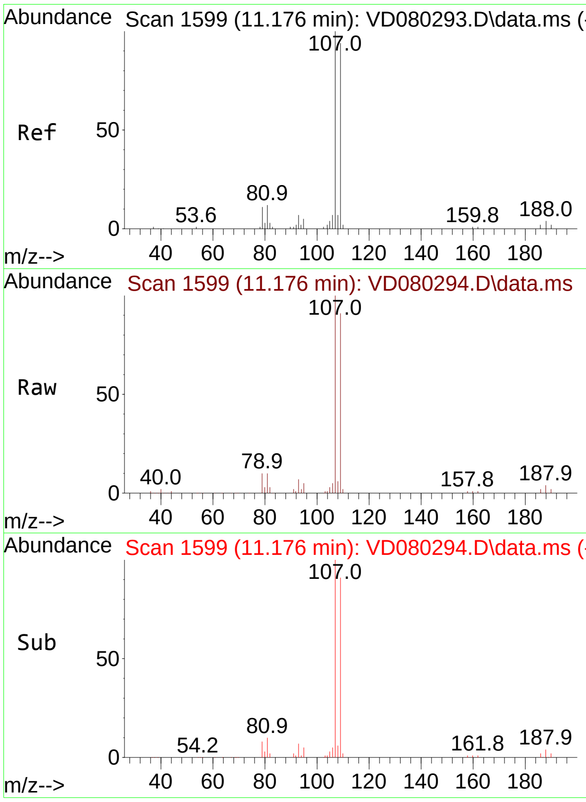
#60
Dibromochloromethane
Concen: 104.667 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:129 Resp: 160066

Ion	Ratio	Lower	Upper
129	100		
127	77.2	37.6	112.8



ICAL Form



#61
1,2-Dibromoethane
Concen: 103.965 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 11764

Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.8	112.2

Manual Integrations
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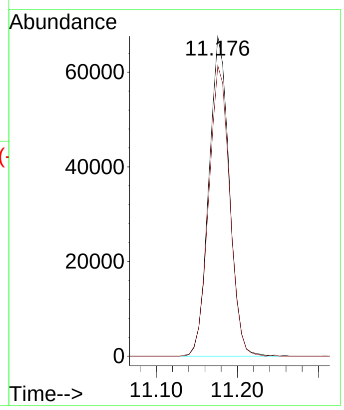
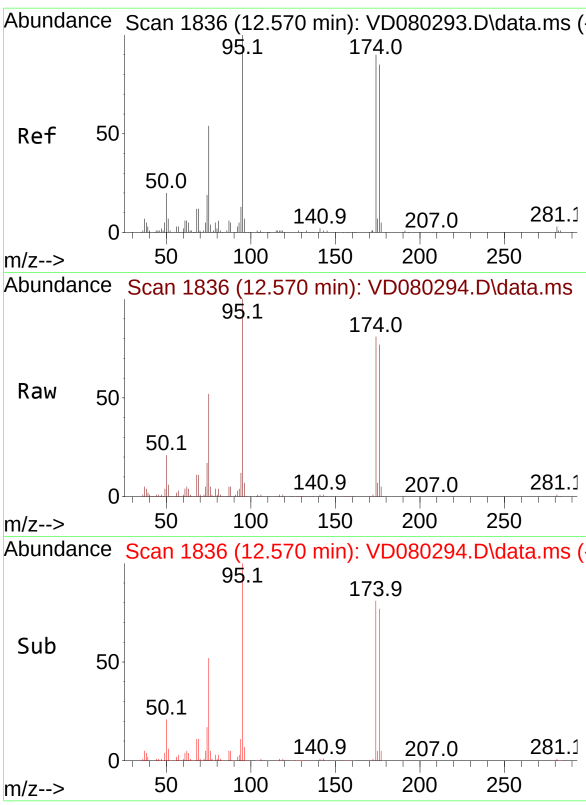
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

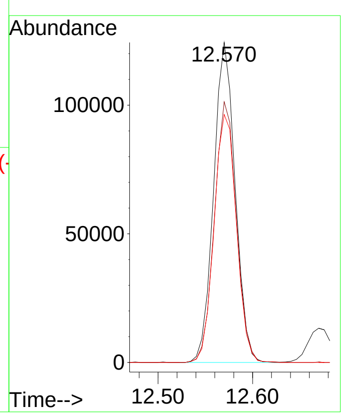


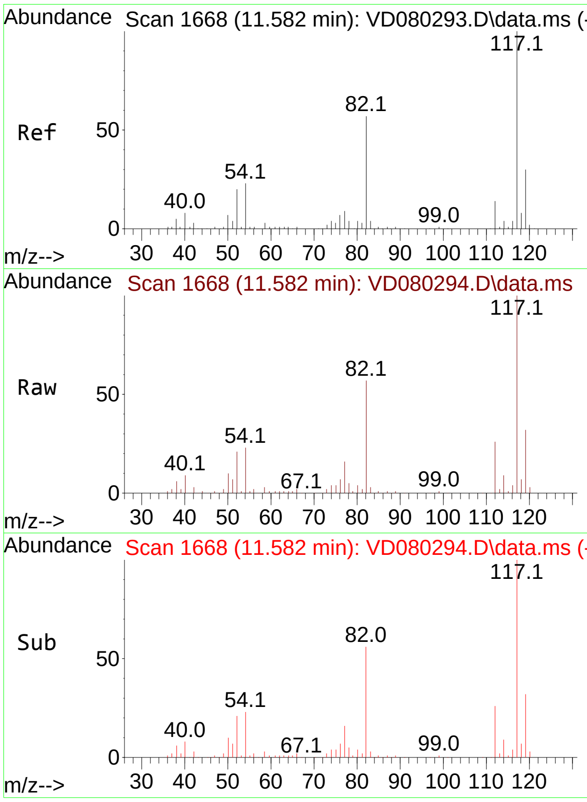


#62
4-Bromofluorobenzene
Concen: 110.409 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 95 Resp: 196997

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	170.0
176	80.5	0.0	167.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 20247

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.5	68.3
119	32.4	24.0	36.0

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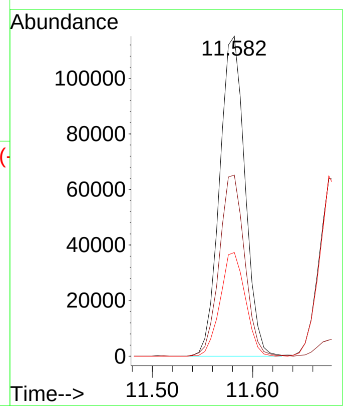
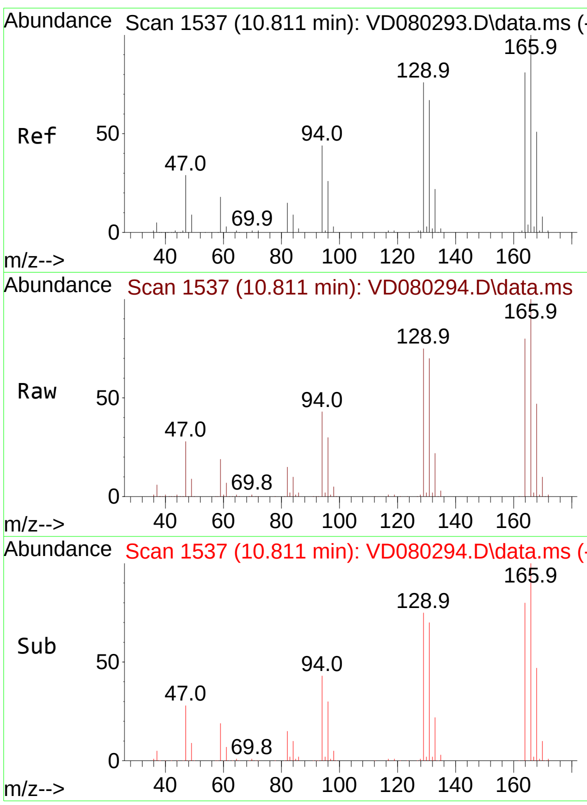
Supervised By :Semsettin Yesilyurt 05/07/2025

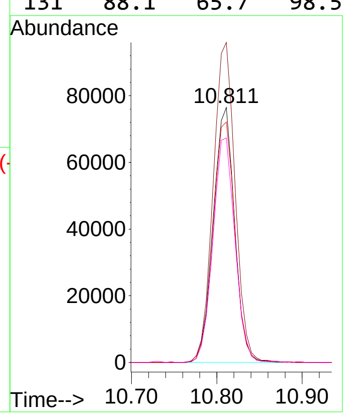




#64
Tetrachloroethene
Concen: 97.745 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:164 Resp: 134017

Ion	Ratio	Lower	Upper
164	100		
166	125.6	98.2	147.2
129	94.4	74.6	111.8
131	88.1	65.7	98.5



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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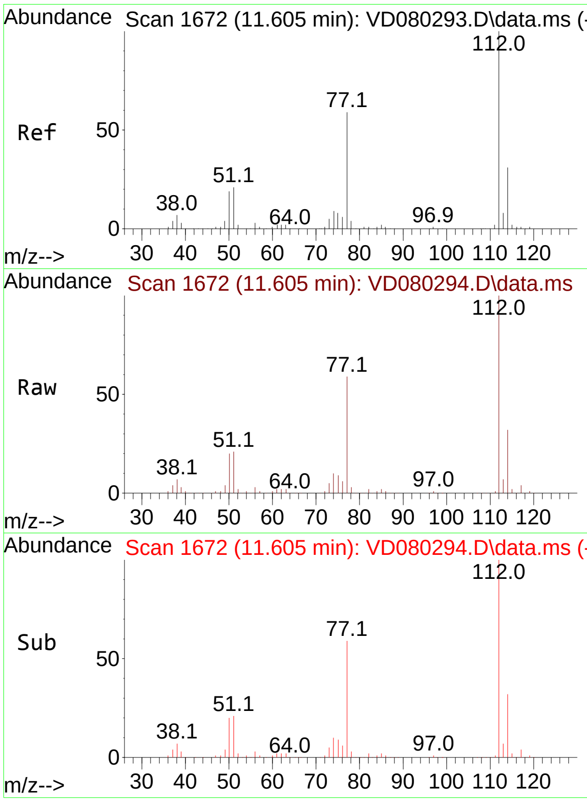
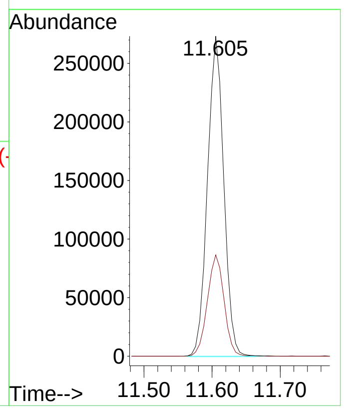
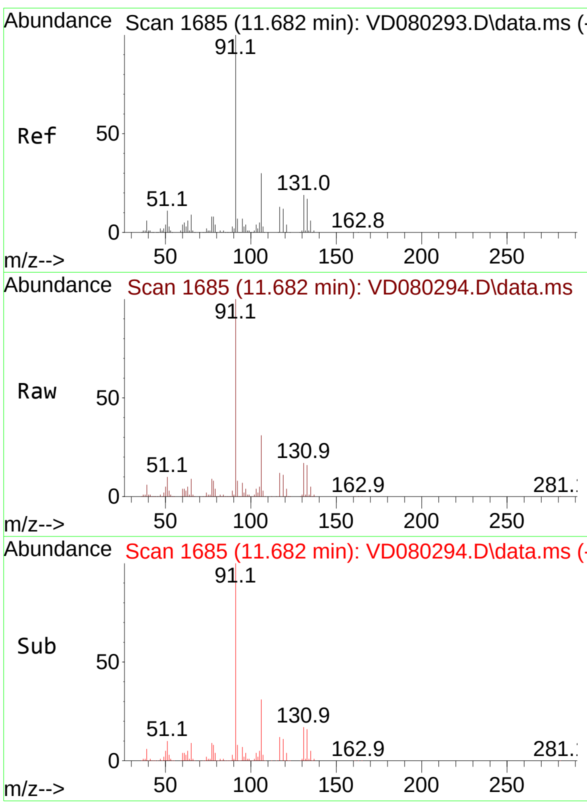


#65
Chlorobenzene
Concen: 99.481 ug/l
RT: 11.605 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:112 Resp: 45480

Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.4	36.6

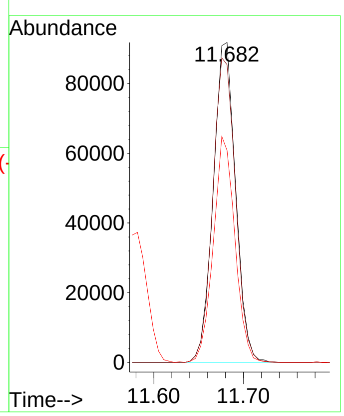




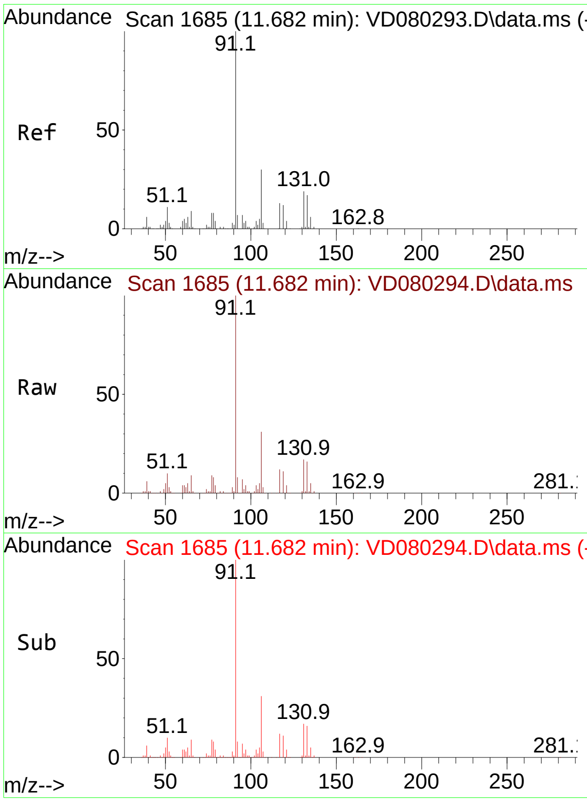
#66
1,1,1,2-Tetrachloroethane
Concen: 101.714 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:131 Resp: 159760

Ion	Ratio	Lower	Upper
131	100		
133	96.6	46.8	140.3
119	68.1	33.1	99.2



ICAL Form



#67
Ethyl Benzene
Concen: 110.548 ug/l
RT: 11.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 91 Resp: 84457

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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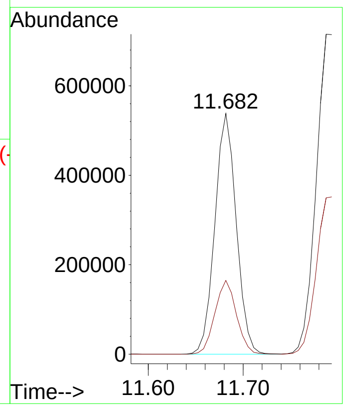
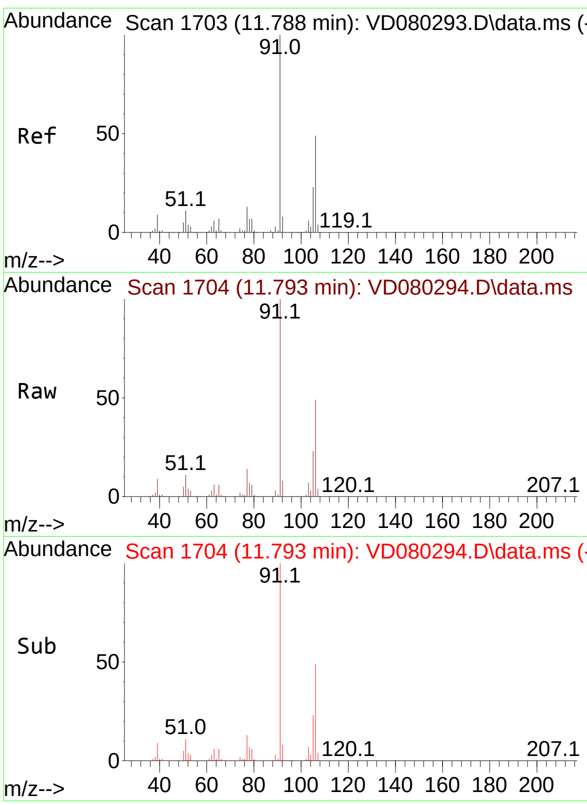
Supervised By :Semsettin Yesilyurt 05/07/2025

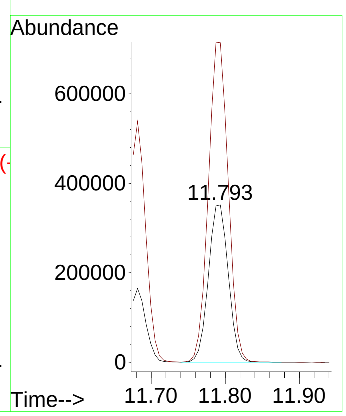




#68
m/p-Xylenes
Concen: 220.820 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:106 Resp: 655051

Ion	Ratio	Lower	Upper
106	100		
91	203.3	164.1	246.1



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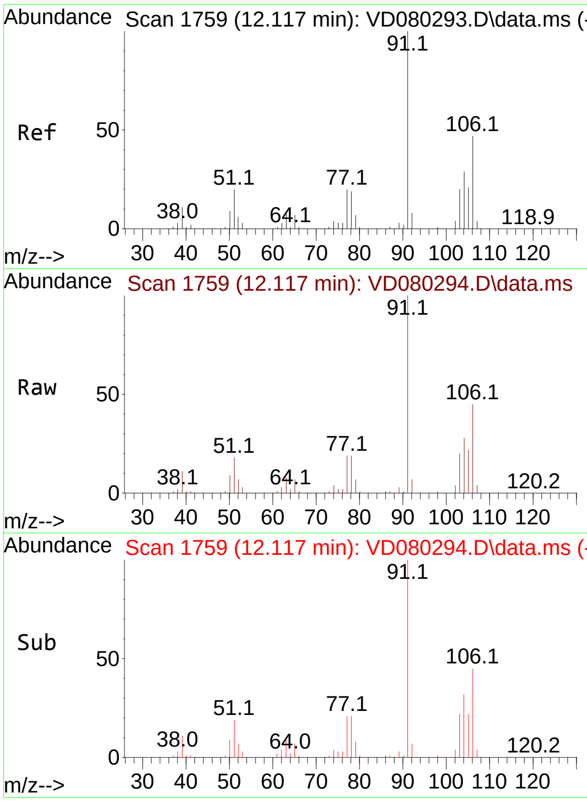

#69
o-Xylene
Concen: 111.034 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:106 Resp: 300980

Ion	Ratio	Lower	Upper
106	100		
91	219.2	109.3	328.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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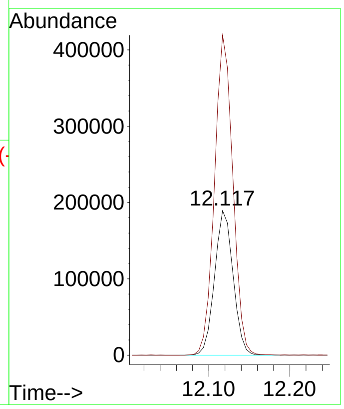
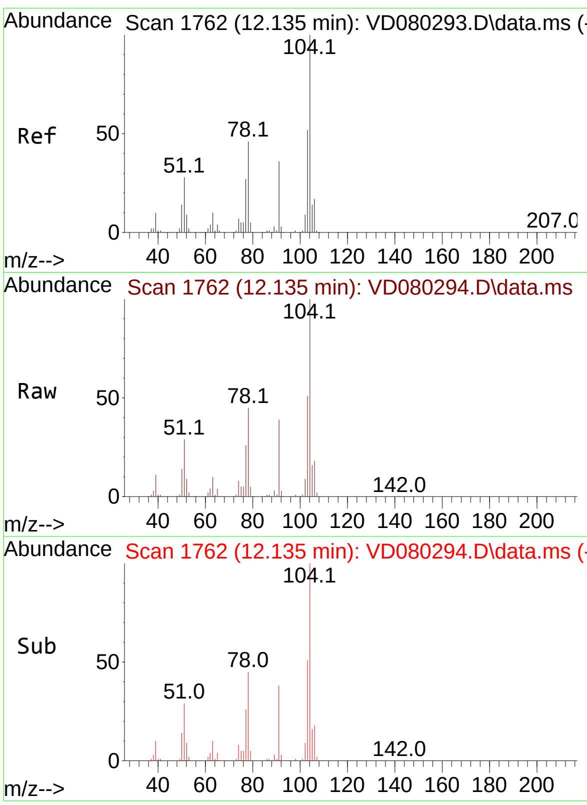
Supervised By :Semsettin Yesilyurt 05/07/2025

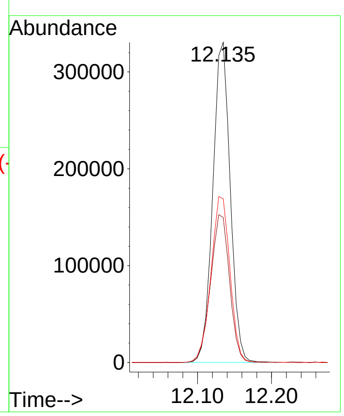


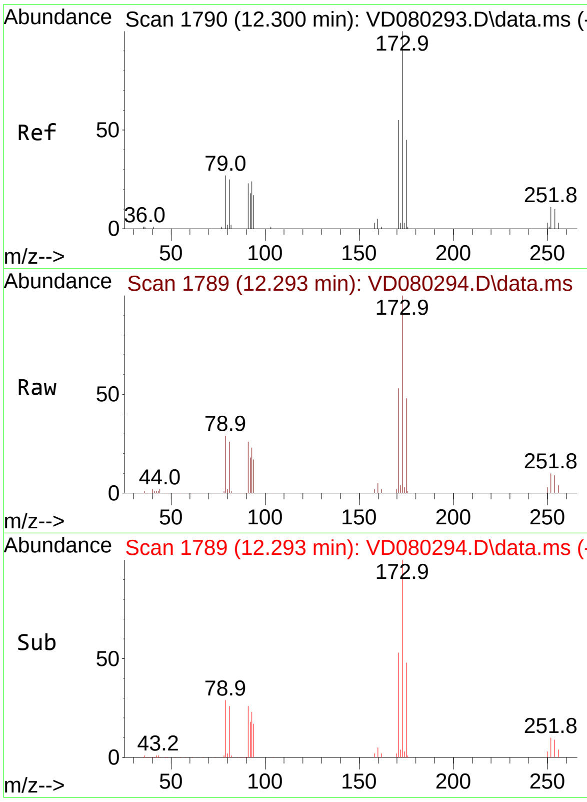


#70
Styrene
Concen: 111.347 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:104 Resp: 541974

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.8	59.6
103	56.4	44.2	66.4





#71
Bromoform
Concen: 101.194 ug/l
RT: 12.293 min Scan# 17
Delta R.T. -0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:173 Resp: 94431

Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.8	71.2
254	0.1	0.0	0.0#

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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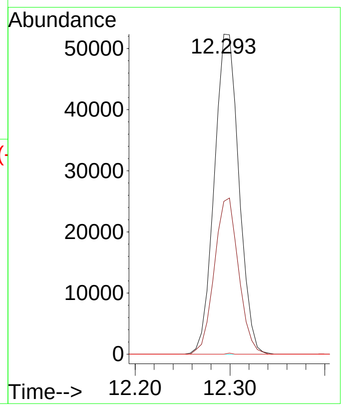
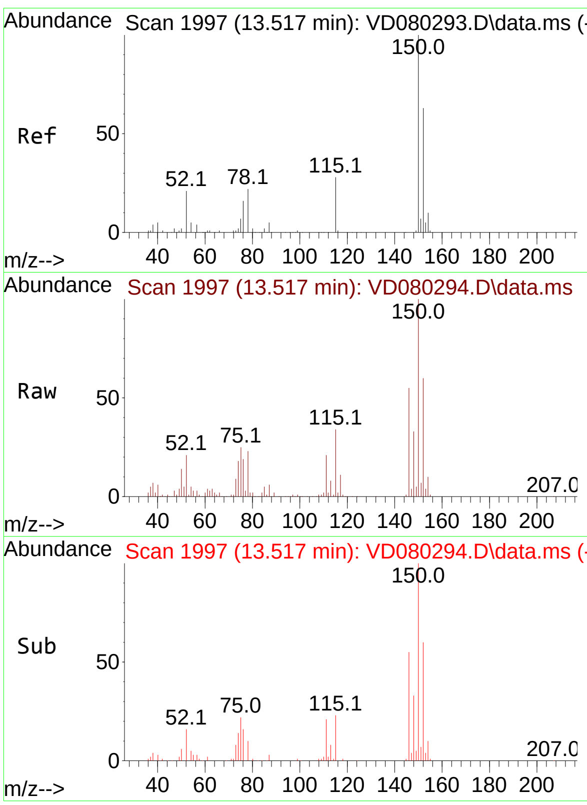
Supervised By :Semsettin Yesilyurt 05/07/2025

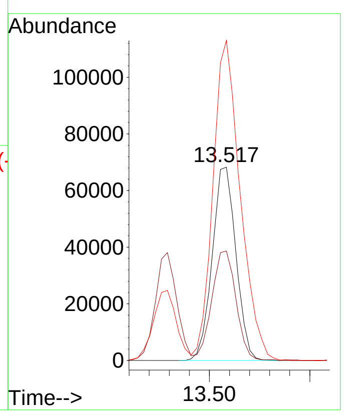


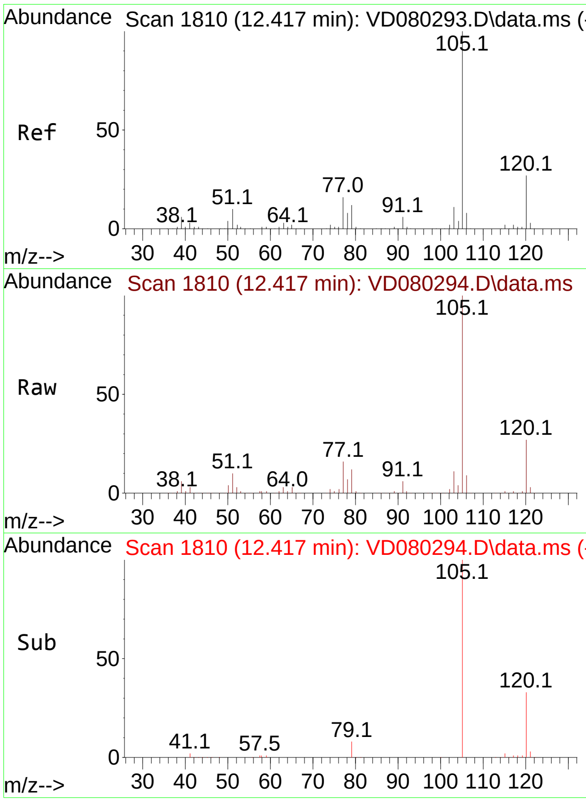


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:152 Resp: 111785

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.0	87.1
150	190.4	0.0	354.6





#73
Isopropylbenzene
Concen: 107.285 ug/l
RT: 12.417 min Scan# 18
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:105 Resp: 77795

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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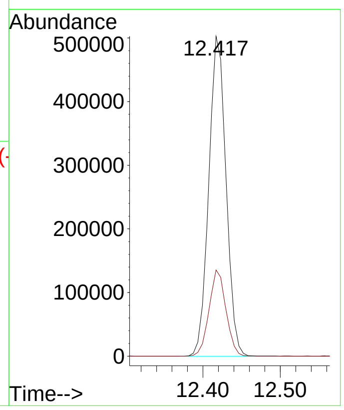
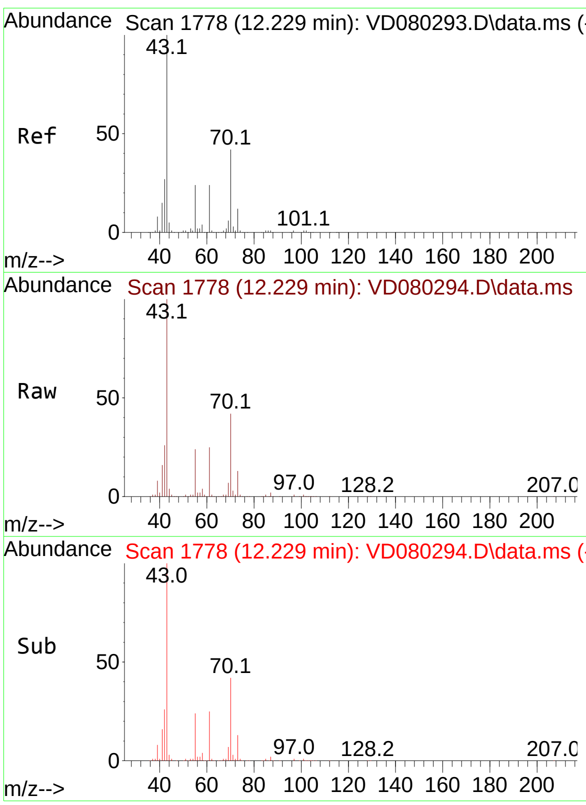
Supervised By :Semsettin Yesilyurt 05/07/2025

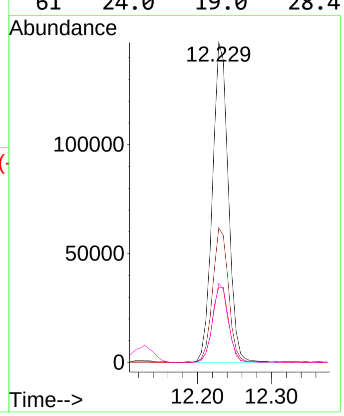


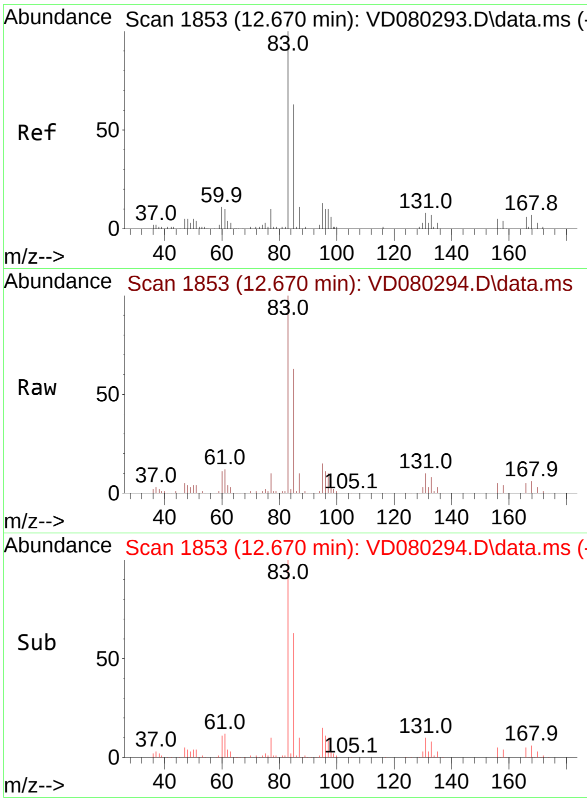


#74
N-amyl acetate
Concen: 105.504 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 43 Resp: 219574

Ion	Ratio	Lower	Upper
43	100		
70	41.8	33.8	50.8
55	24.6	20.8	31.2
61	24.0	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 97.228 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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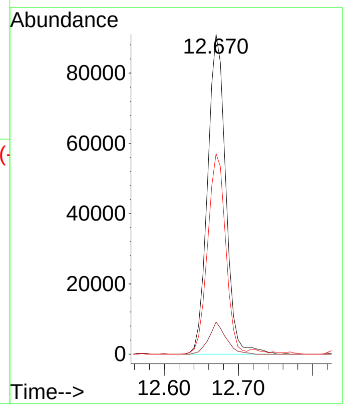
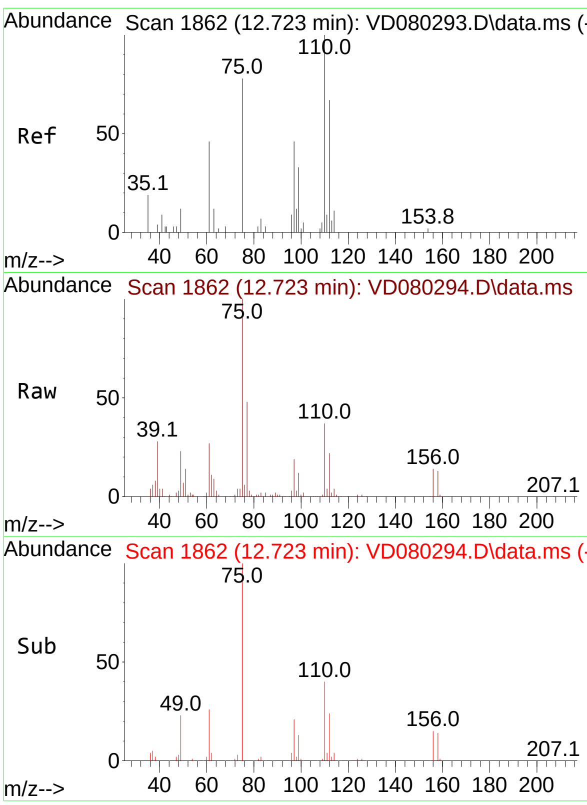
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 83 Resp: 15504

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.2	15.6
85	62.3	32.6	98.0

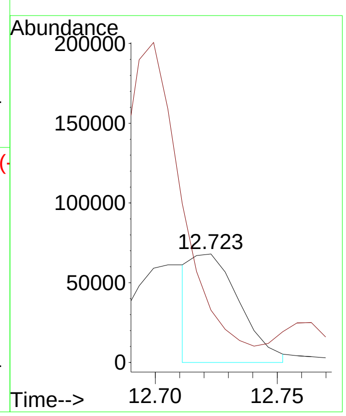




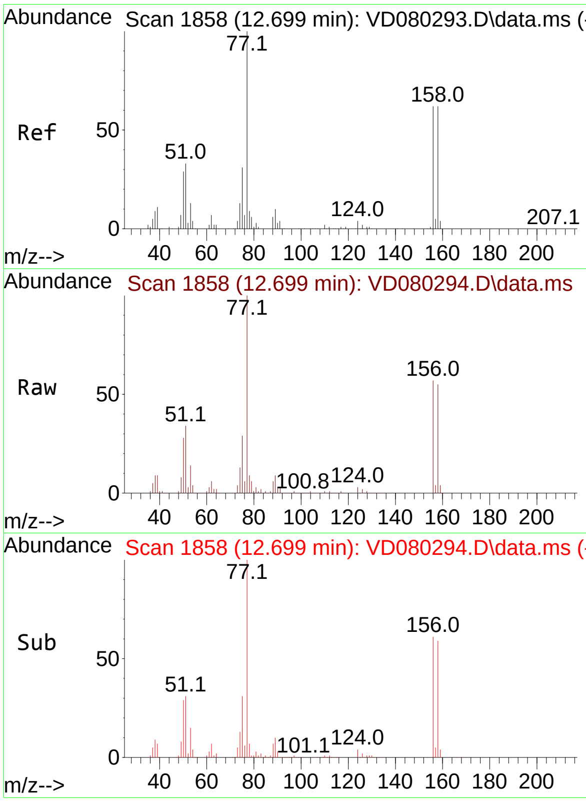
#76
1,2,3-Trichloropropane
Concen: 78.684 ug/l m
RT: 12.723 min Scan# 1862
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 75 Resp: 93321

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



ICAL Form



#77
Bromobenzene
Concen: 100.638 ug/l
RT: 12.699 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:156 Resp: 18929

Ion	Ratio	Lower	Upper
156	100		
77	190.2	91.6	274.8
158	96.6	47.4	142.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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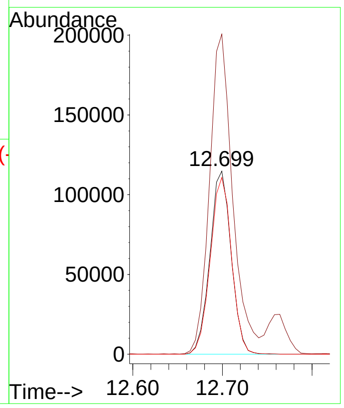
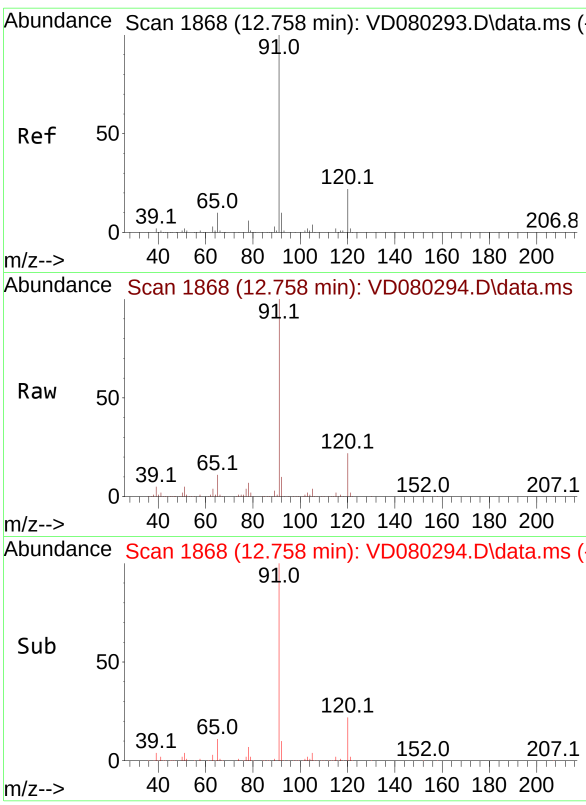
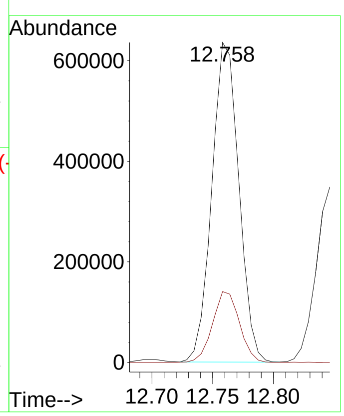




#78
n-propylbenzene
Concen: 108.061 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 91 Resp: 983336

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

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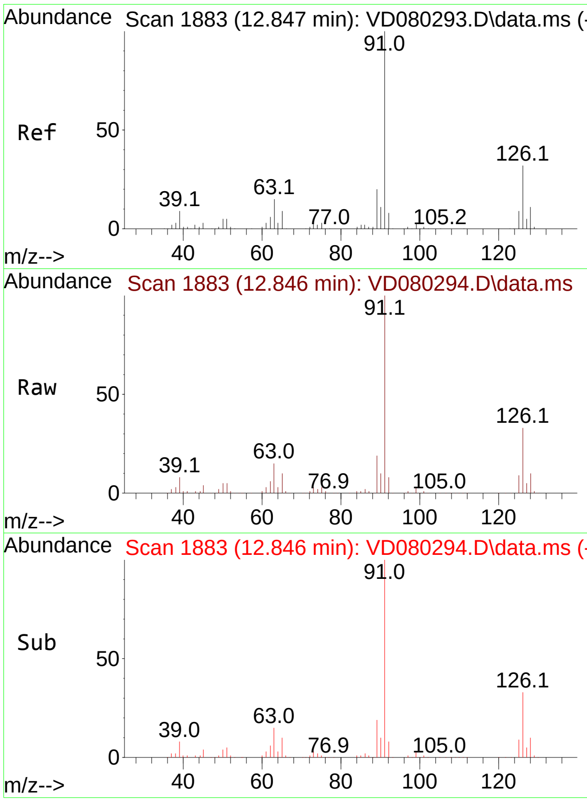
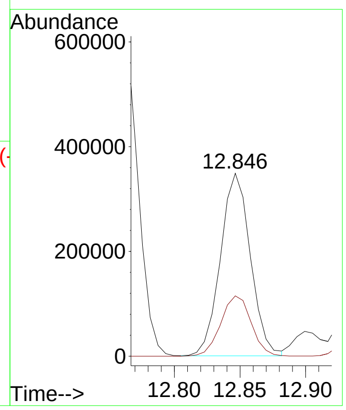
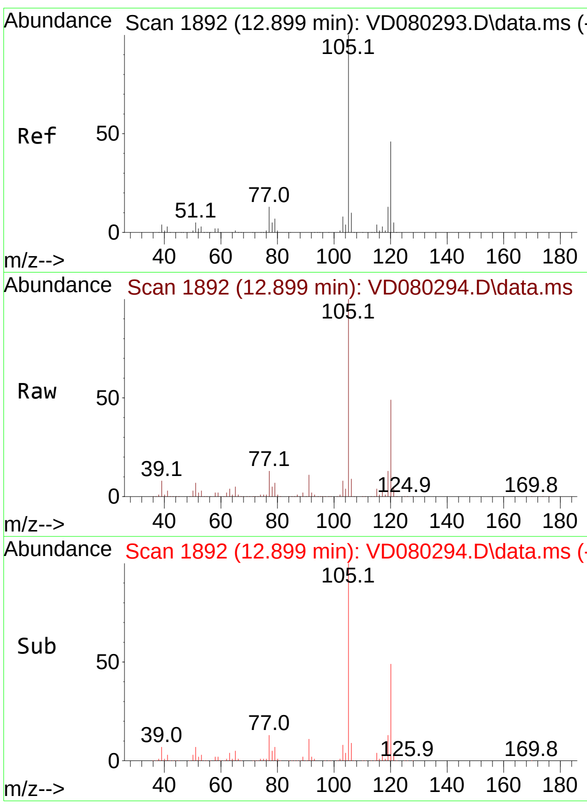


#79
2-Chlorotoluene
Concen: 104.668 ug/l
RT: 12.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 91 Resp: 55402

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.2

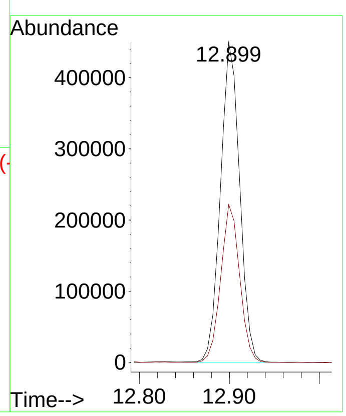




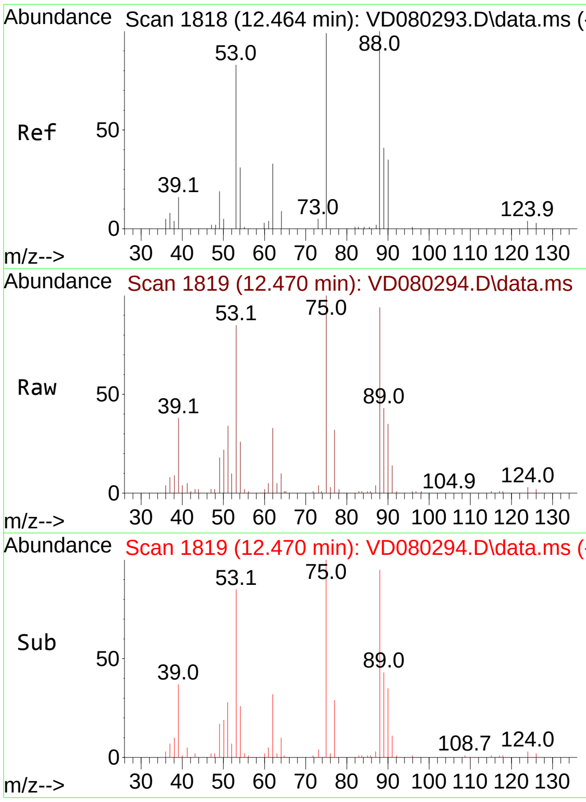
#80
1,3,5-Trimethylbenzene
Concen: 108.074 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:105 Resp: 668411

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.9	71.8



ICAL Form



#81
trans-1,4-Dichloro-2-butene
Concen: 100.965 ug/l
RT: 12.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 5738

Ion	Ratio	Lower	Upper
75	100		
53	87.7	70.8	106.2
89	44.4	35.9	53.9

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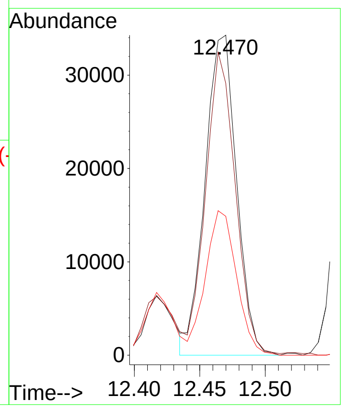
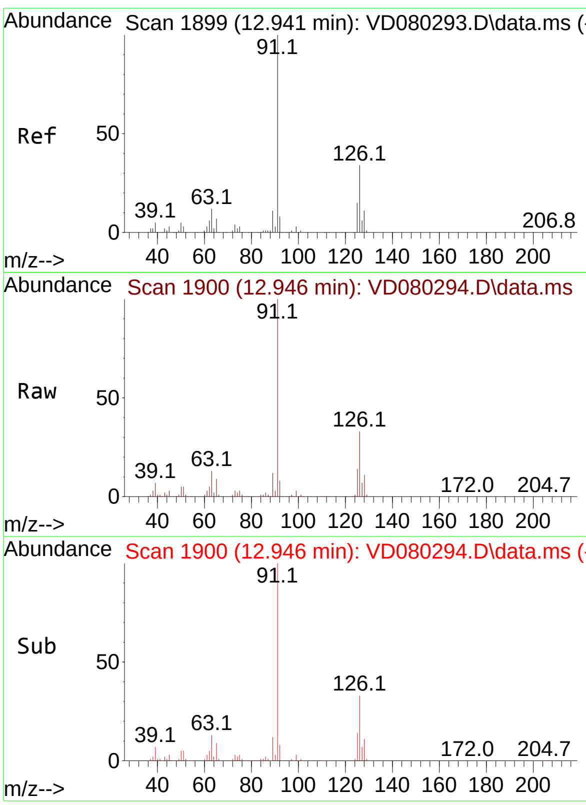
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

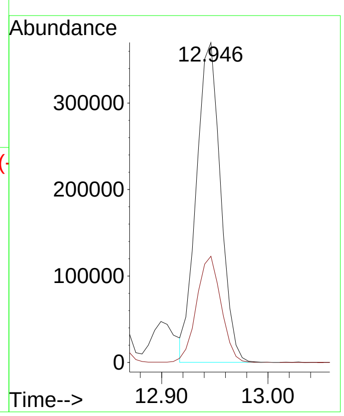




#82
4-Chlorotoluene
Concen: 102.552 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 91 Resp: 585946

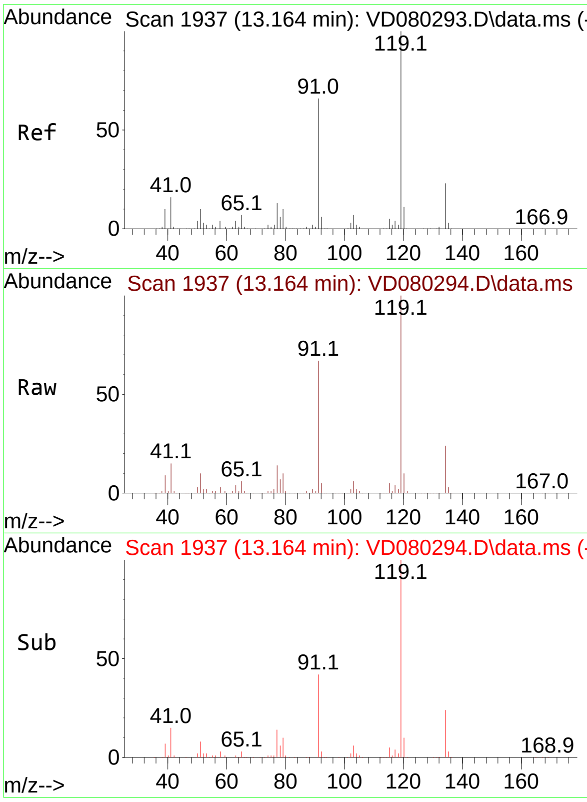
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.3



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

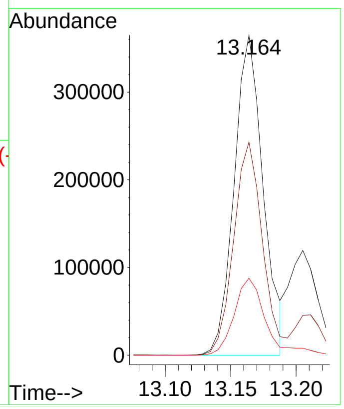
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

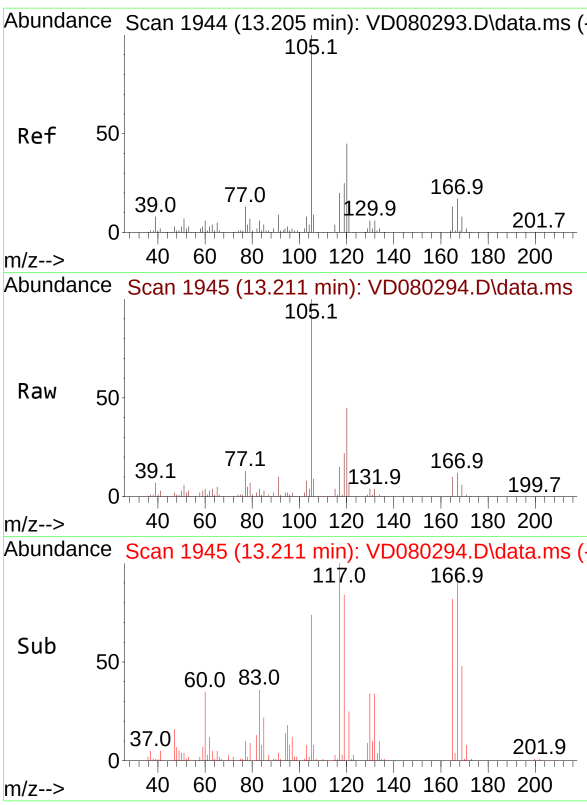


#83
tert-Butylbenzene
Concen: 108.863 ug/l
RT: 13.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:119 Resp: 56184

Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.3	99.8
134	26.3	13.3	39.9

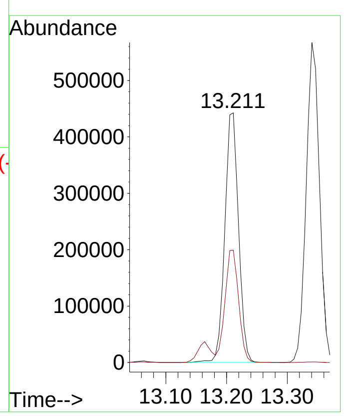


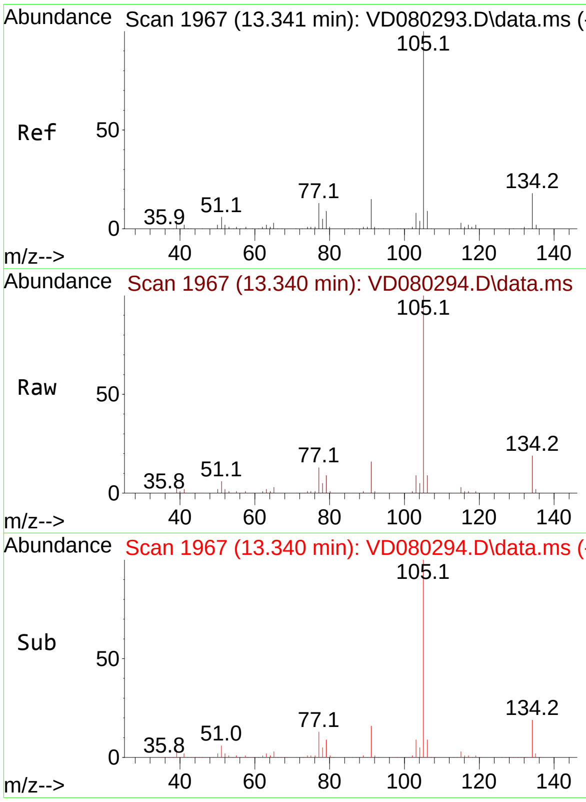


#84
1,2,4-Trimethylbenzene
Concen: 109.645 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:105 Resp: 693835

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.8





#85
sec-Butylbenzene
Concen: 108.283 ug/l
RT: 13.340 min Scan# 19
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

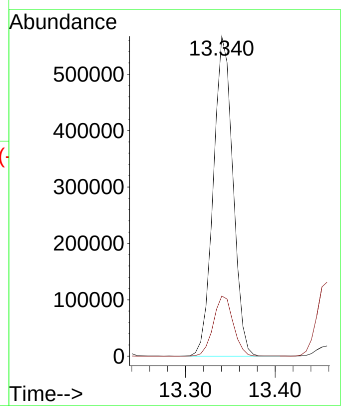
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

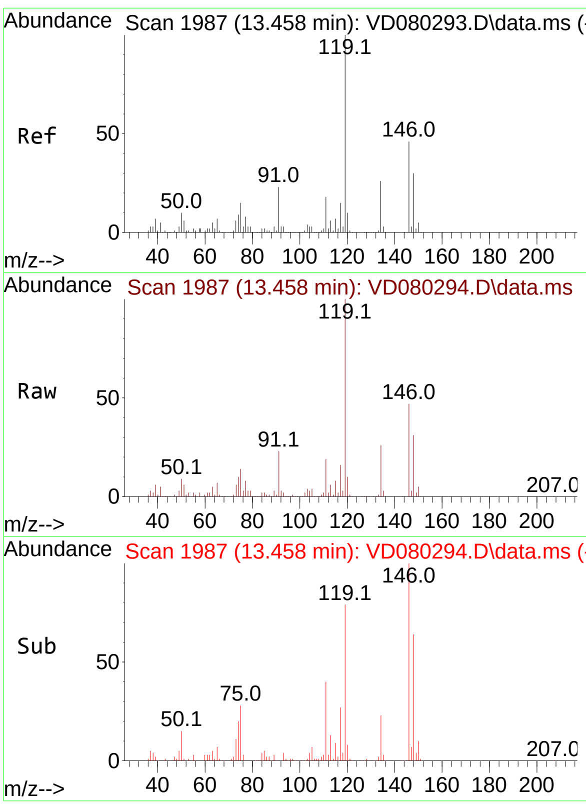
Tgt Ion:105 Resp: 86180

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

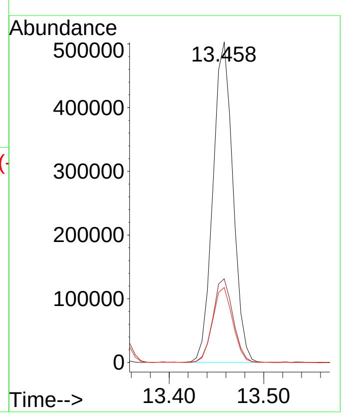


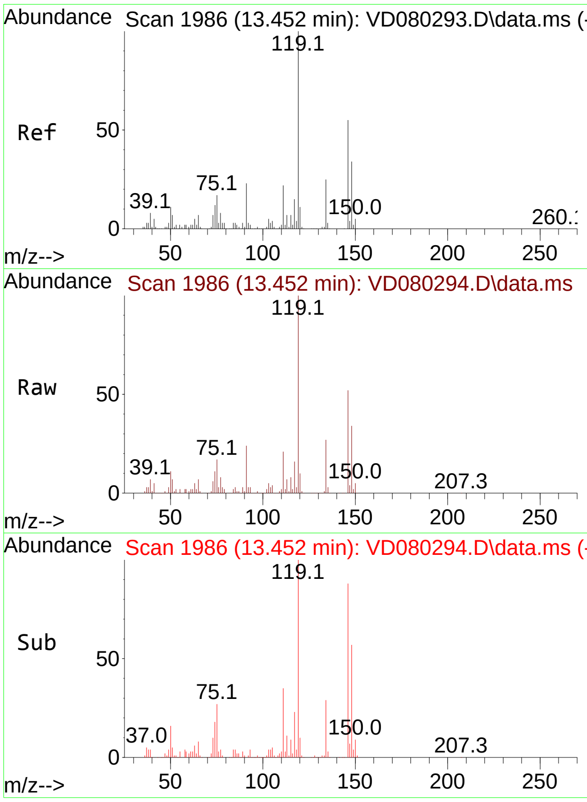


#86
p-Isopropyltoluene
Concen: 110.657 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:119 Resp: 740180

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.8	38.4
91	23.5	11.7	35.0

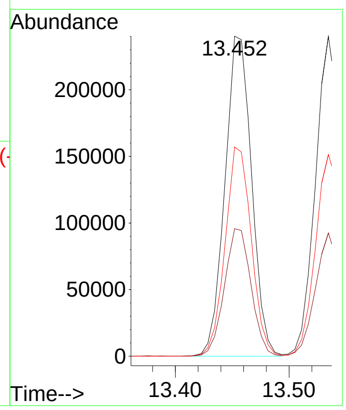




#87
1,3-Dichlorobenzene
Concen: 99.968 ug/l
RT: 13.452 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:146 Resp: 39213

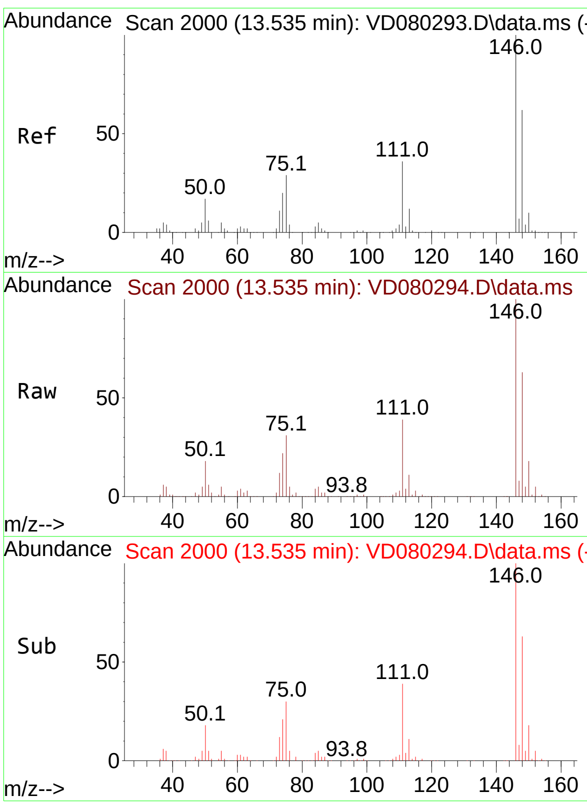
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	64.3	31.9	95.9



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

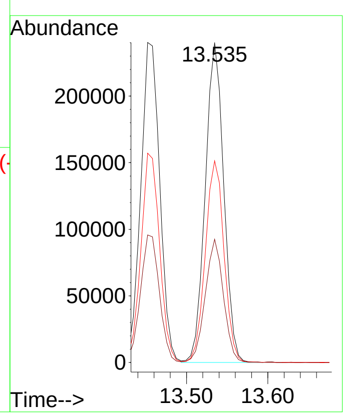
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



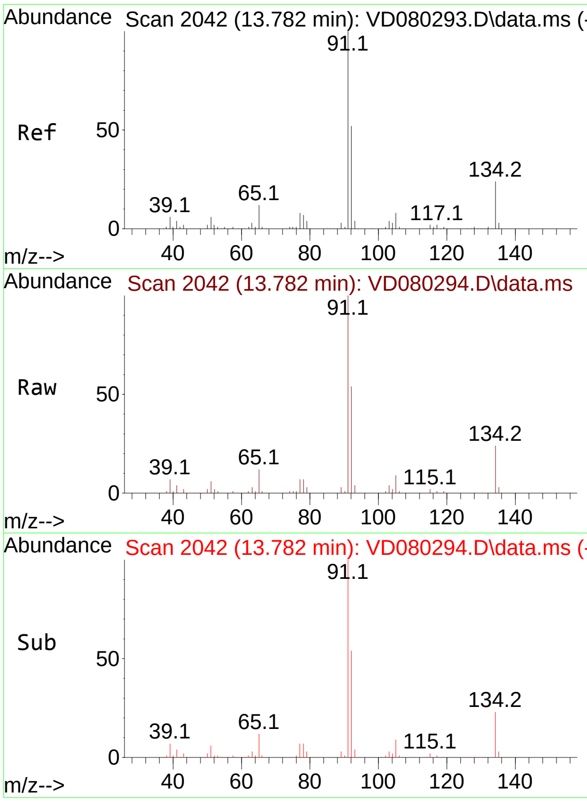
#88
1,4-Dichlorobenzene
Concen: 96.081 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:146 Resp: 379949

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	63.8	31.4	94.0



ICAL Form



#89
n-Butylbenzene
Concen: 107.540 ug/l
RT: 13.782 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

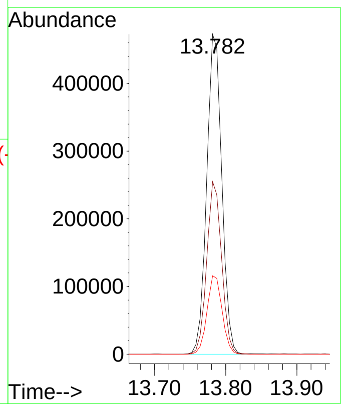
Tgt Ion: 91 Resp: 69828

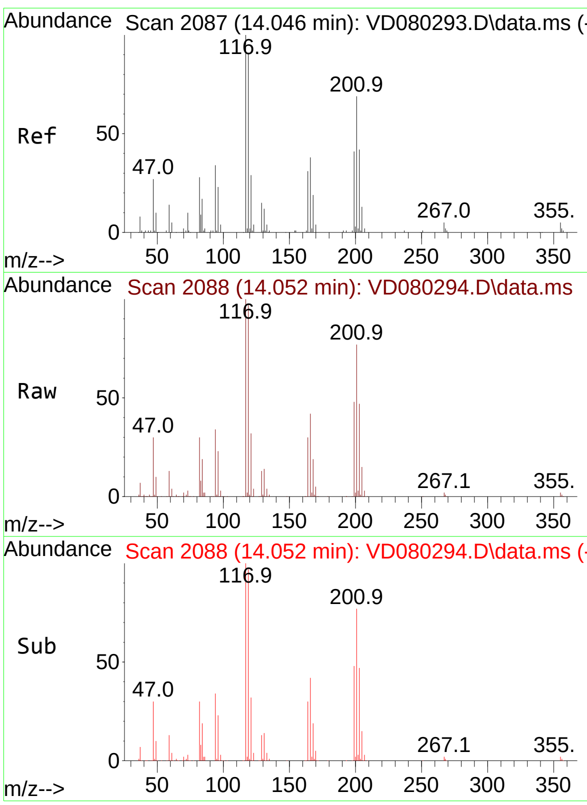
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.1	78.2
134	24.6	12.0	36.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

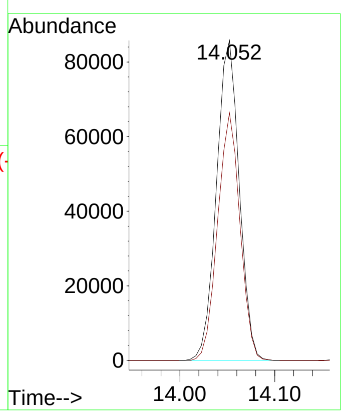


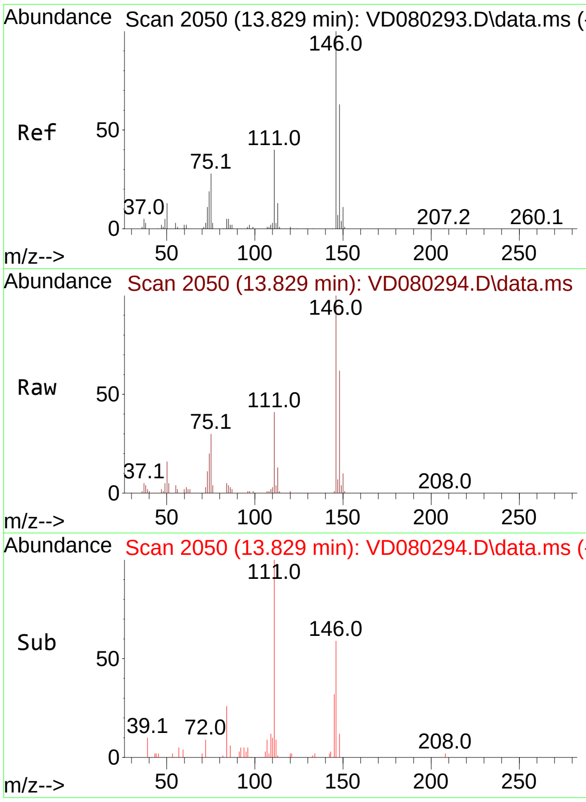


#90
Hexachloroethane
Concen: 96.918 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:117 Resp: 143439

Ion	Ratio	Lower	Upper
117	100		
201	75.9	36.9	110.6





#91
1,2-Dichlorobenzene
Concen: 99.646 ug/l
RT: 13.829 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

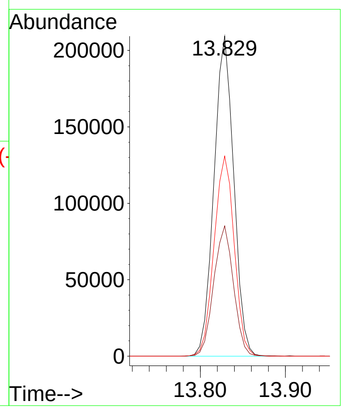
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

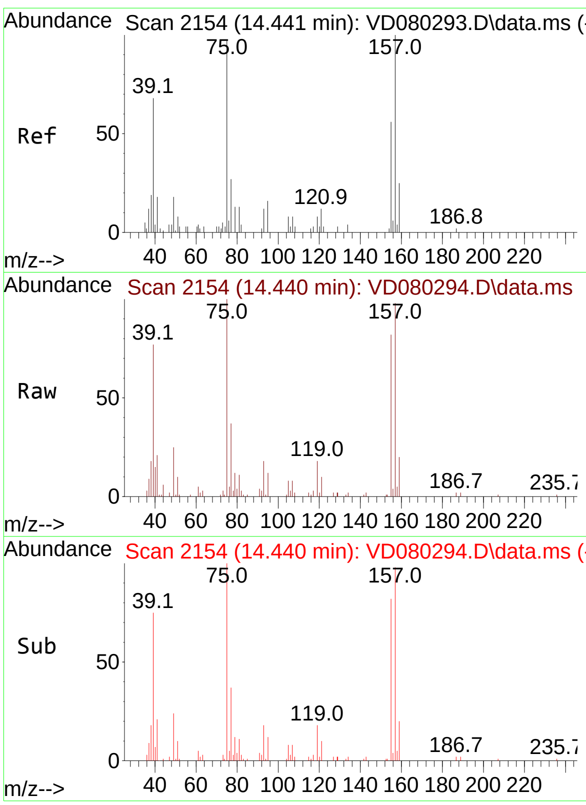
Tgt Ion:146 Resp: 339544

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.5
148	63.7	32.4	97.2

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

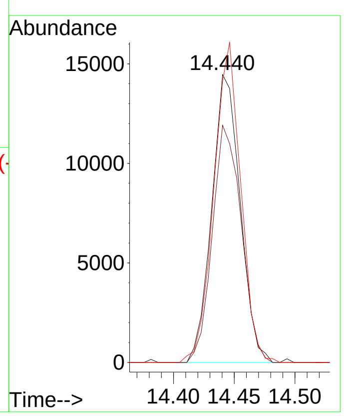




#92
1,2-Dibromo-3-Chloropropane
Concen: 92.665 ug/l
RT: 14.440 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion: 75 Resp: 23550

Ion	Ratio	Lower	Upper
75	100		
155	83.9	36.3	108.7
157	105.3	52.9	158.8

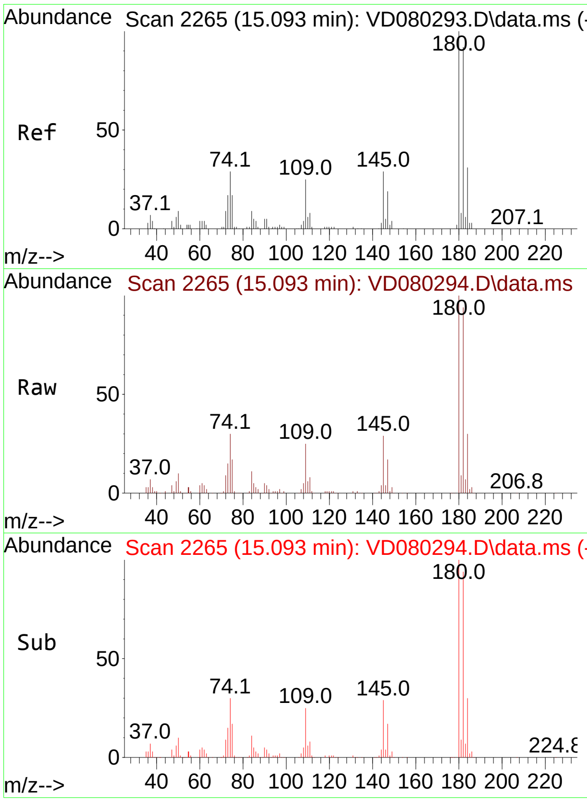


ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

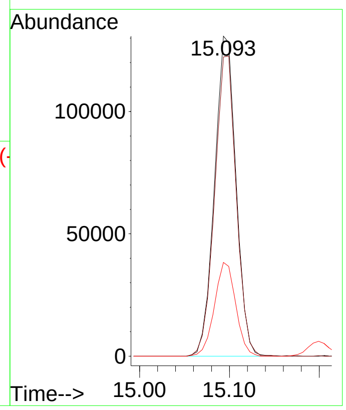
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

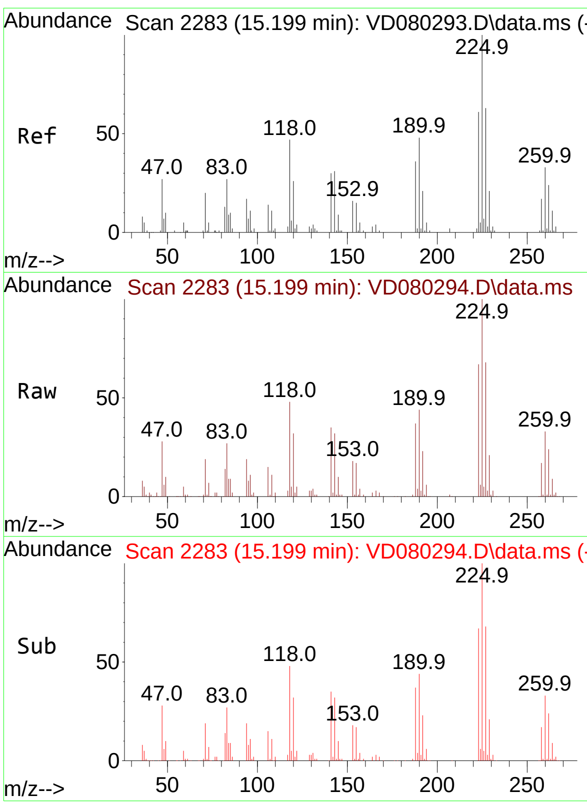


#93
1,2,4-Trichlorobenzene
Concen: 101.419 ug/l
RT: 15.093 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:180 Resp: 21733

Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.7	140.1
145	29.0	14.9	44.5

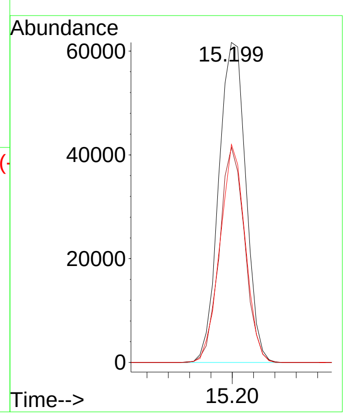




#94
Hexachlorobutadiene
Concen: 97.387 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:225 Resp: 108573

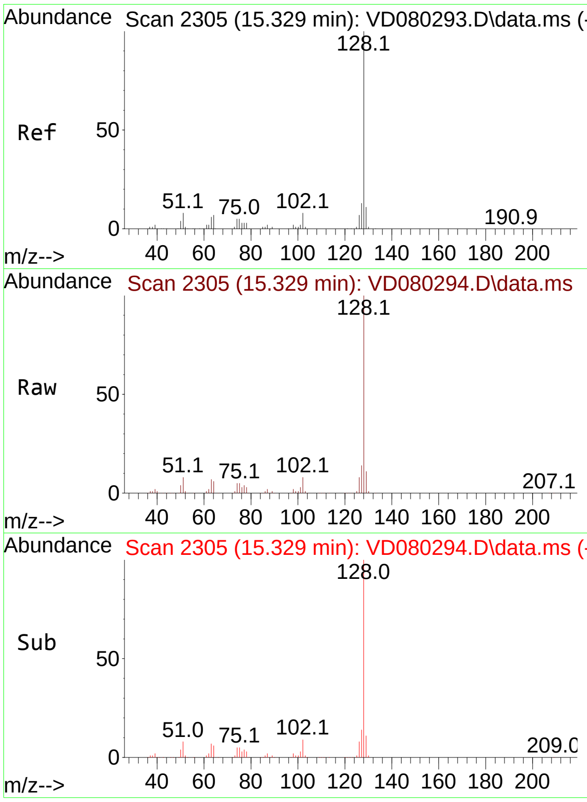
Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.3	90.8
227	63.5	32.0	96.2



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

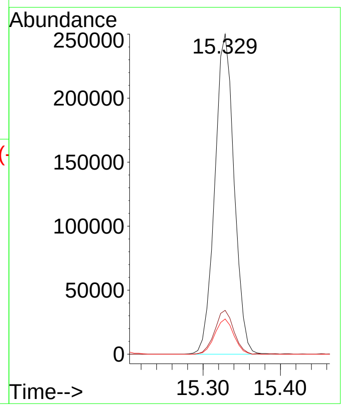
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

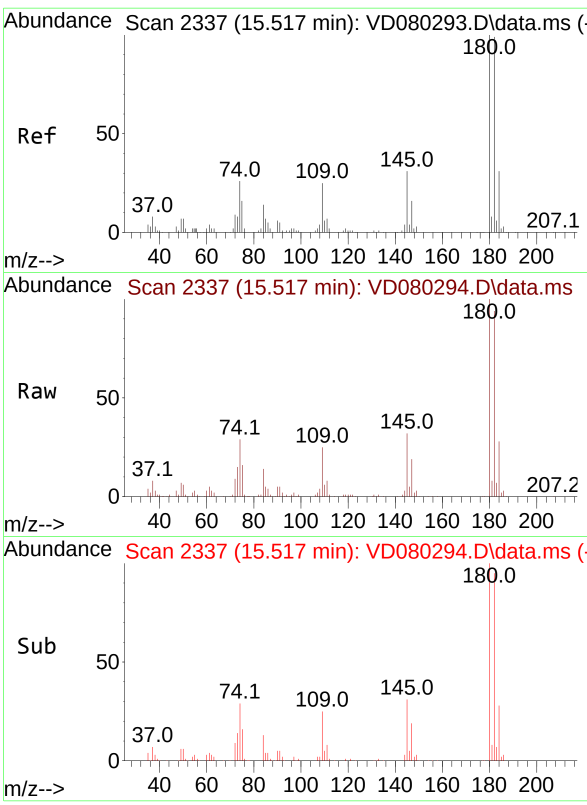


#95
Naphthalene
Concen: 107.715 ug/l
RT: 15.329 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:128 Resp: 43341

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.0	8.7	13.1

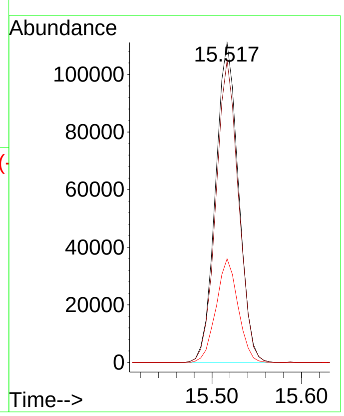




#96
1,2,3-Trichlorobenzene
Concen: 103.117 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD080294.D
Acq: 06 May 2025 15:19

Tgt Ion:180 Resp: 197633

Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.3	144.9
145	31.0	15.6	46.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080295.D
Acq On : 06 May 2025 15:47
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	139318	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	225815	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.582	117	216179	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	117290	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.229	65	253451	140.680 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 281.360%#		
35) Dibromofluoromethane	7.805	113	229865	151.877 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 303.760%#		
50) Toluene-d8	10.270	98	956355	160.372 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 320.740%#		
62) 4-Bromofluorobenzene	12.570	95	315579	164.875 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 329.760%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.935	85	169651	150.511 ug/l	97
3) Chloromethane	2.153	50	335373	150.050 ug/l	96
4) Vinyl Chloride	2.276	62	460074	127.028 ug/l	99
5) Bromomethane	2.664	94	374118	143.502 ug/l	100
6) Chloroethane	2.823	64	339275	132.488 ug/l	92
7) Trichlorofluoromethane	3.164	101	361957	130.333 ug/l	99
8) Diethyl Ether	3.594	74	127755	149.026 ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	222904	130.270 ug/l	99
10) Methyl Iodide	4.158	142	273632	156.876 ug/l	100
11) Tert butyl alcohol	5.070	59	76045	695.593 ug/l #	86
12) 1,1-Dichloroethene	3.935	96	231643	137.316 ug/l	96
13) Acrolein	3.794	56	137757	716.163 ug/l	99
14) Allyl chloride	4.553	41	396693	149.522 ug/l	99
15) Acrylonitrile	5.258	53	303374	736.093 ug/l	100
16) Acetone	4.023	43	212199	749.176 ug/l	95
17) Carbon Disulfide	4.264	76	767132	130.956 ug/l	98
18) Methyl Acetate	4.564	43	171045	146.497 ug/l	98
19) Methyl tert-butyl Ether	5.317	73	601045	162.183 ug/l	98
20) Methylene Chloride	4.800	84	274742	150.482 ug/l	99
21) trans-1,2-Dichloroethene	5.305	96	261284	142.574 ug/l	96
22) Diisopropyl ether	6.217	45	869042	159.014 ug/l	99
23) Vinyl Acetate	6.152	43	2577392	809.725 ug/l	97
24) 1,1-Dichloroethane	6.111	63	487000	141.609 ug/l	98
25) 2-Butanone	7.082	43	381351	769.309 ug/l	93
26) 2,2-Dichloropropane	7.076	77	393407	143.761 ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	309968	152.663 ug/l	99
28) Bromochloromethane	7.423	49	213220	133.160 ug/l	100
29) Tetrahydrofuran	7.446	42	262876	813.333 ug/l	97
30) Chloroform	7.594	83	485613	141.599 ug/l	97
31) Cyclohexane	7.876	56	415798	142.059 ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	404735	144.652 ug/l	96
36) 1,1-Dichloropropene	8.005	75	349219	154.387 ug/l	98
37) Ethyl Acetate	7.164	43	178472	151.285 ug/l	97
38) Carbon Tetrachloride	7.994	117	346860	147.038 ug/l	96
39) Methylcyclohexane	9.270	83	432121	164.633 ug/l	95
40) Benzene	8.246	78	1085363	153.139 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080295.D
Acq On : 06 May 2025 15:47
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Quant Time: May 07 03:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.394	41	100050	152.851	ug/l		95
42)	1,2-Dichloroethane	8.323	62	296646	144.443	ug/l		99
43)	Isopropyl Acetate	8.364	43	340970	158.972	ug/l	#	88
44)	Trichloroethene	9.029	130	247015	150.141	ug/l		95
45)	1,2-Dichloropropane	9.305	63	275609	151.626	ug/l		95
46)	Dibromomethane	9.393	93	150291	151.862	ug/l		99
47)	Bromodichloromethane	9.582	83	379675	151.150	ug/l		99
48)	Methyl methacrylate	9.382	41	177149	173.828	ug/l		94
49)	1,4-Dioxane	9.388	88	37036	3147.681	ug/l		95
51)	4-Methyl-2-Pentanone	10.158	43	934175	845.312	ug/l		98
52)	Toluene	10.335	92	690797	161.786	ug/l		99
53)	t-1,3-Dichloropropene	10.552	75	371569	162.260	ug/l		98
54)	cis-1,3-Dichloropropene	10.017	75	425164	160.220	ug/l		99
55)	1,1,2-Trichloroethane	10.729	97	195467	149.317	ug/l		98
56)	Ethyl methacrylate	10.593	69	280751	176.988	ug/l		99
57)	1,3-Dichloropropane	10.876	76	347421	159.686	ug/l		97
58)	2-Chloroethyl Vinyl ether	9.870	63	574624	885.167	ug/l		99
59)	2-Hexanone	10.917	43	640711	842.800	ug/l		97
60)	Dibromochloromethane	11.070	129	254425	155.087	ug/l		97
61)	1,2-Dibromoethane	11.176	107	186175	153.372	ug/l		100
64)	Tetrachloroethene	10.811	164	216627	147.977	ug/l		96
65)	Chlorobenzene	11.605	112	735291	150.636	ug/l		97
66)	1,1,1,2-Tetrachloroethane	11.682	131	255604	152.416	ug/l		99
67)	Ethyl Benzene	11.682	91	1367374	167.629	ug/l		99
68)	m/p-Xylenes	11.793	106	1050519	331.679	ug/l		99
69)	o-Xylene	12.117	106	490681	169.538	ug/l		99
70)	Styrene	12.134	104	876197	168.597	ug/l		99
71)	Bromoform	12.299	173	149721	150.268	ug/l	#	99
73)	Isopropylbenzene	12.417	105	1257888	165.329	ug/l		100
74)	N-amyl acetate	12.229	43	356910	163.445	ug/l		97
75)	1,1,2,2-Tetrachloroethane	12.670	83	241387	144.272	ug/l		99
76)	1,2,3-Trichloropropane	12.717	75	143942m	115.669	ug/l		
77)	Bromobenzene	12.699	156	302810	153.435	ug/l		97
78)	n-propylbenzene	12.758	91	1553910	162.748	ug/l		99
79)	2-Chlorotoluene	12.846	91	888437	159.970	ug/l		99
80)	1,3,5-Trimethylbenzene	12.899	105	1063005	163.808	ug/l		99
81)	trans-1,4-Dichloro-2-b...	12.464	75	92606	155.284	ug/l		98
82)	4-Chlorotoluene	12.946	91	932651	155.571	ug/l		99
83)	tert-Butylbenzene	13.164	119	909967	168.039	ug/l		99
84)	1,2,4-Trimethylbenzene	13.211	105	1113780	167.747	ug/l		100
85)	sec-Butylbenzene	13.340	105	1371813	164.274	ug/l		100
86)	p-Isopropyltoluene	13.458	119	1212067	172.699	ug/l		100
87)	1,3-Dichlorobenzene	13.458	146	631825	153.513	ug/l		99
88)	1,4-Dichlorobenzene	13.534	146	604977	145.805	ug/l		99
89)	n-Butylbenzene	13.781	91	1128575	165.650	ug/l		99
90)	Hexachloroethane	14.052	117	228036	146.847	ug/l		100
91)	1,2-Dichlorobenzene	13.828	146	536603	150.086	ug/l		98
92)	1,2-Dibromo-3-Chloropr...	14.446	75	38048	142.685	ug/l		95
93)	1,2,4-Trichlorobenzene	15.099	180	346550	154.127	ug/l		98
94)	Hexachlorobutadiene	15.199	225	172620	147.568	ug/l		97
95)	Naphthalene	15.328	128	696799	165.045	ug/l		99
96)	1,2,3-Trichlorobenzene	15.517	180	309843	154.076	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080295.D
Acq On : 06 May 2025 15:47
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 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 (QT Reviewed)

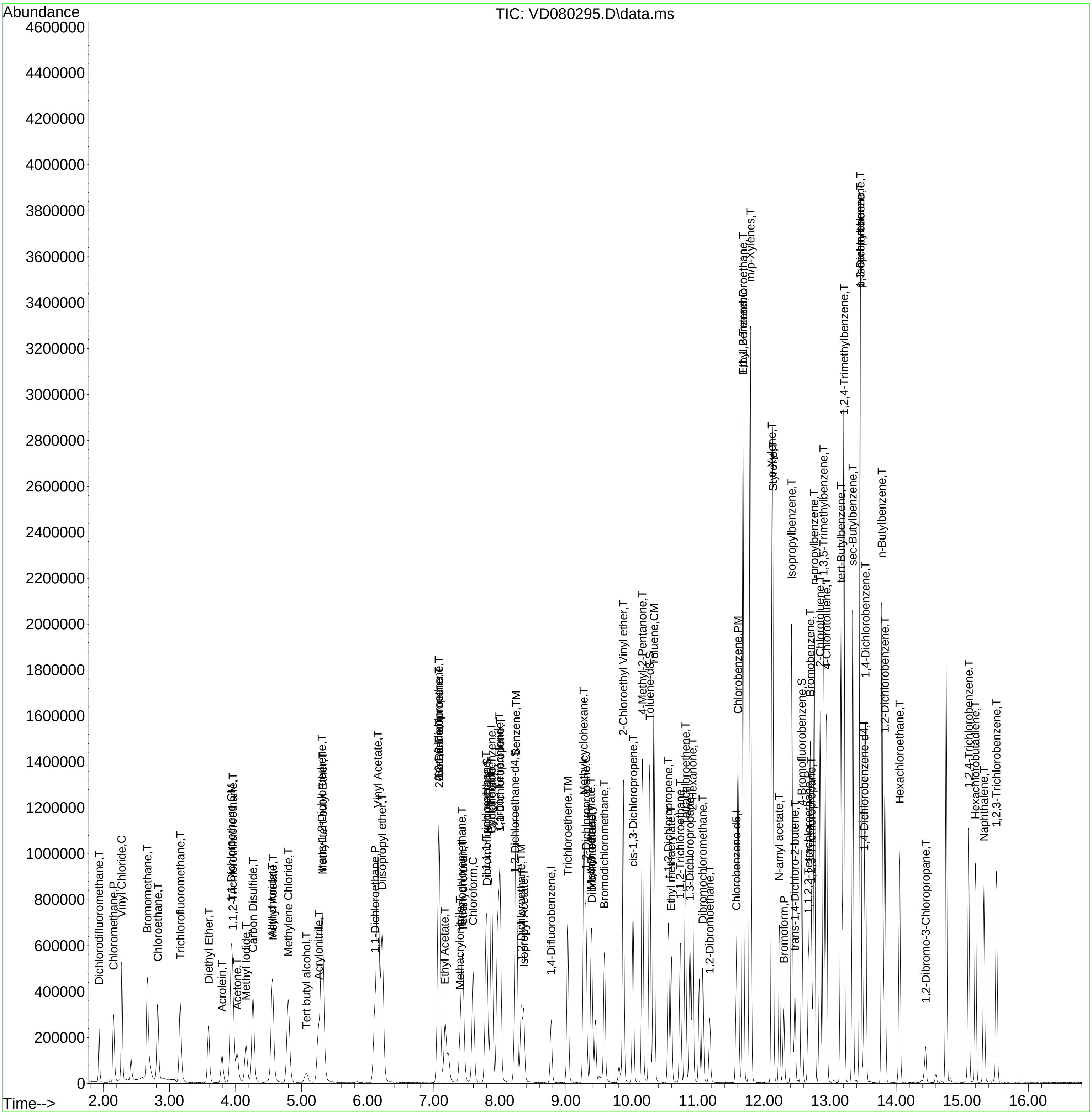
ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080295.D
Acq On : 06 May 2025 15:47
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 07 03:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:09:55 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



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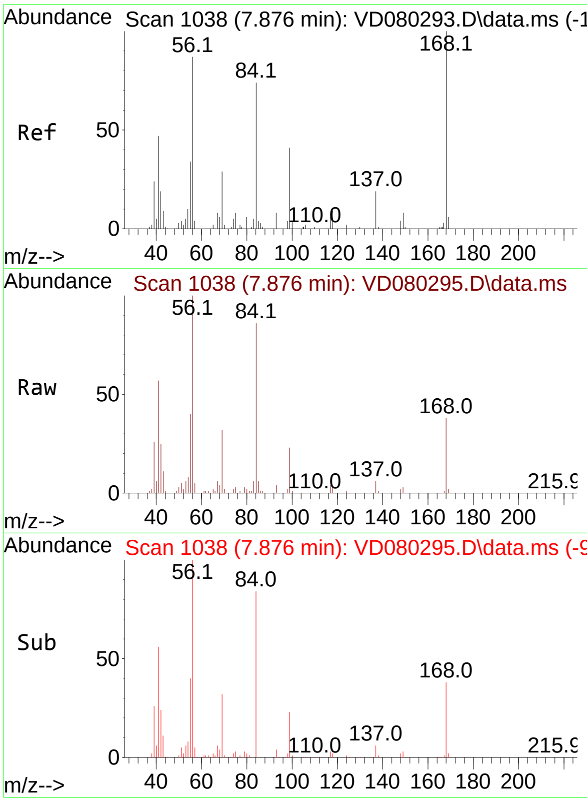


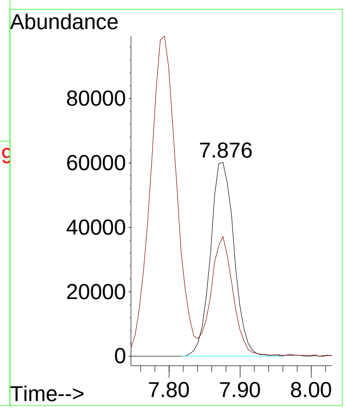
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

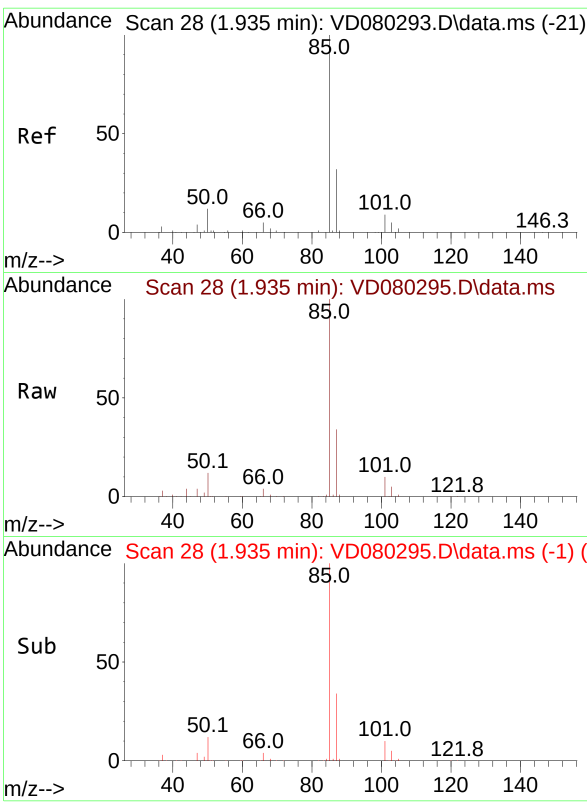
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 139318

Ion	Ratio	Lower	Upper
168	100		
99	61.2	46.4	69.6

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

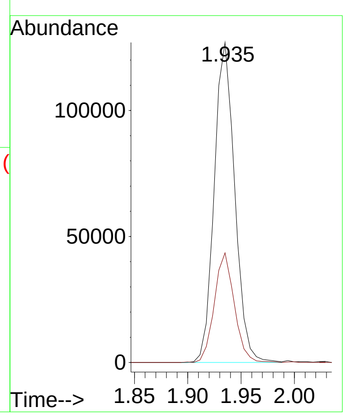




#2
Dichlorodifluoromethane
Concen: 150.511 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 85 Resp: 169651

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.2	48.6



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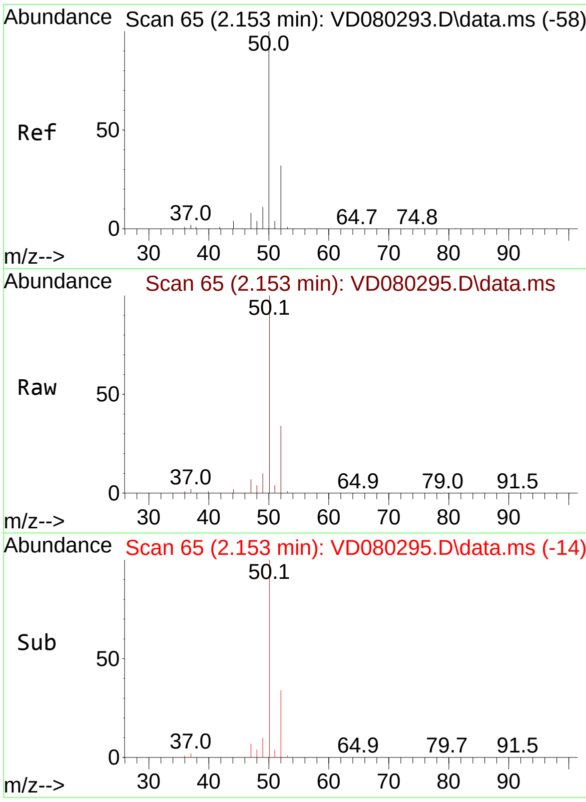


#3
Chloromethane
Concen: 150.050 ug/l
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

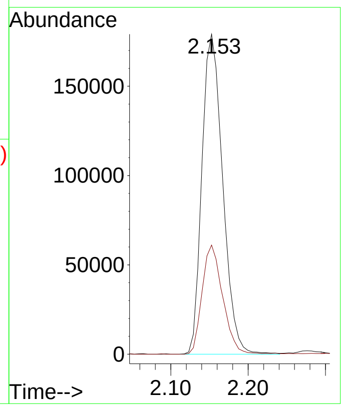
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

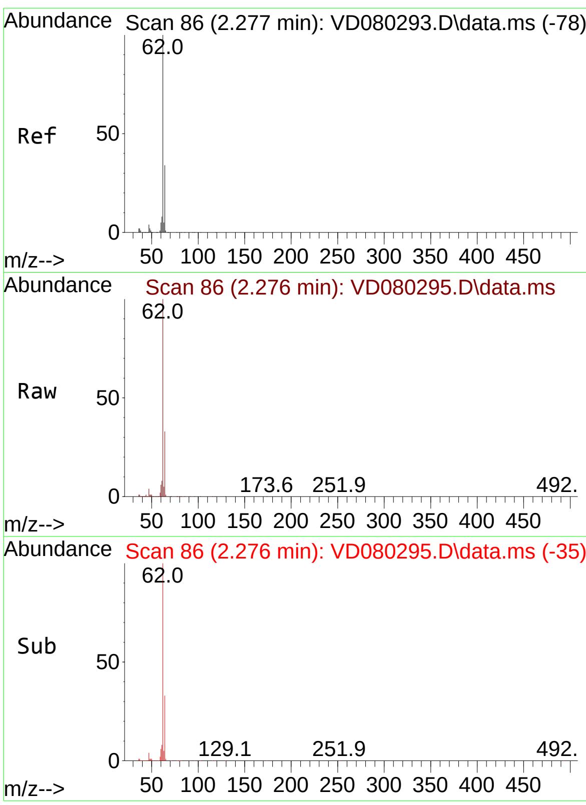
Tgt Ion: 50 Resp: 33537

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.7	38.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

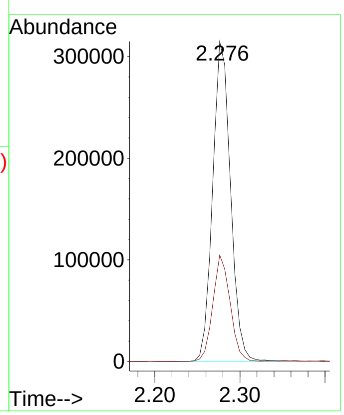




#4
Vinyl Chloride
Concen: 127.028 ug/l
RT: 2.276 min Scan# 86
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 62 Resp: 460074

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.9	40.3

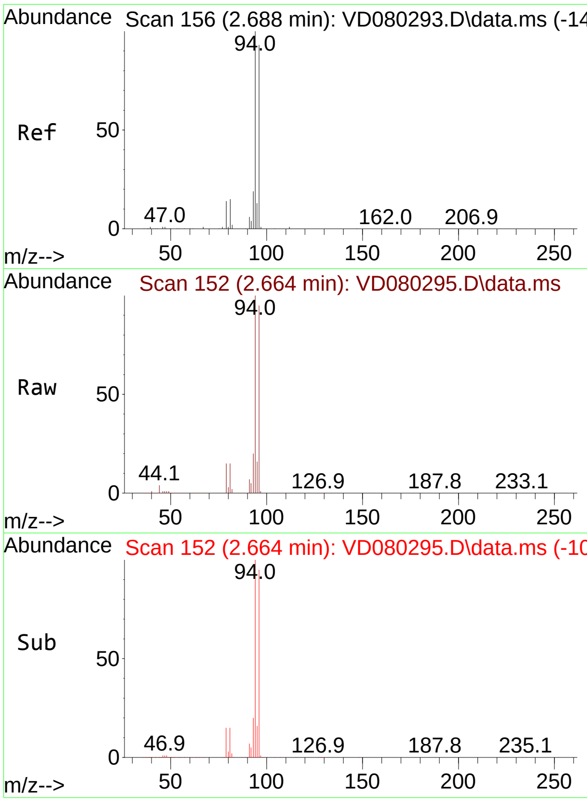


ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

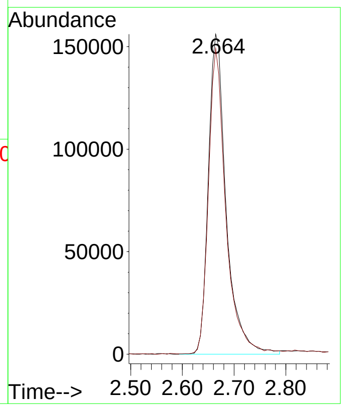
Manual Integrations
APPROVED

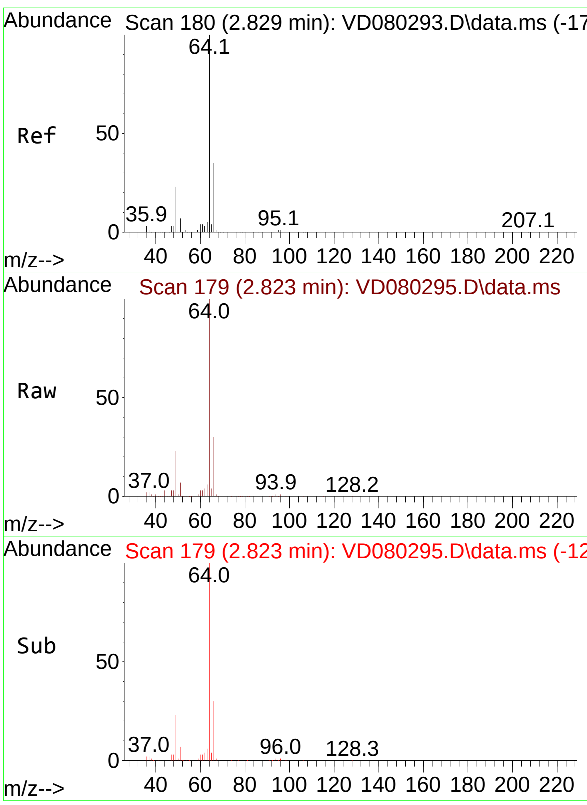
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#5
Bromomethane
Concen:  143.502 ug/l
RT:    2.664 min  Scan# 1
Delta R.T.   -0.024 min
Lab File:    VD080295.D
Acq: 06 May 2025  15:47

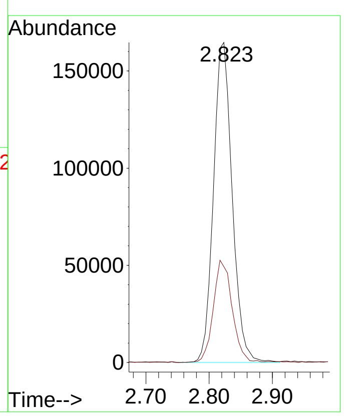
Tgt Ion: 94 Resp:  37411
Ion  Ratio  Lower  Upper
 94  100
 96   93.2   74.6  112.0
```






```
#6
Chloroethane
Concen:  132.488 ug/l
RT:    2.823 min  Scan# 179
Delta R.T.   -0.006 min
Lab File:    VD080295.D
Acq: 06 May 2025  15:47

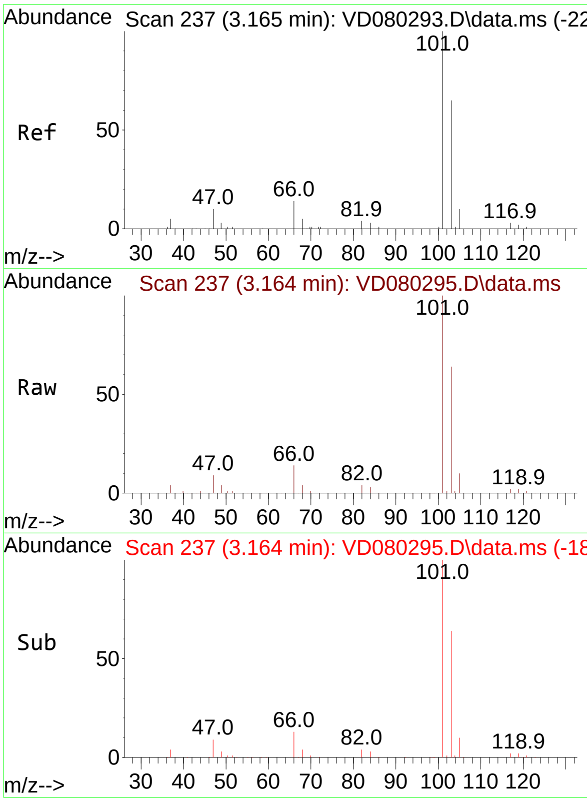
Tgt Ion: 64 Resp:  339275
Ion  Ratio  Lower  Upper
 64  100
 66   30.0   27.7   41.5
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

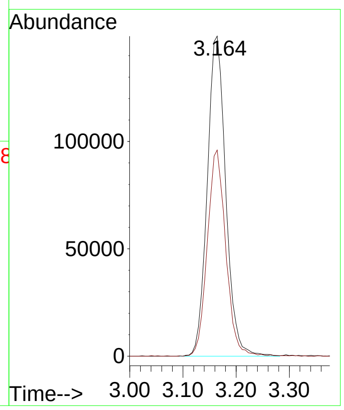
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

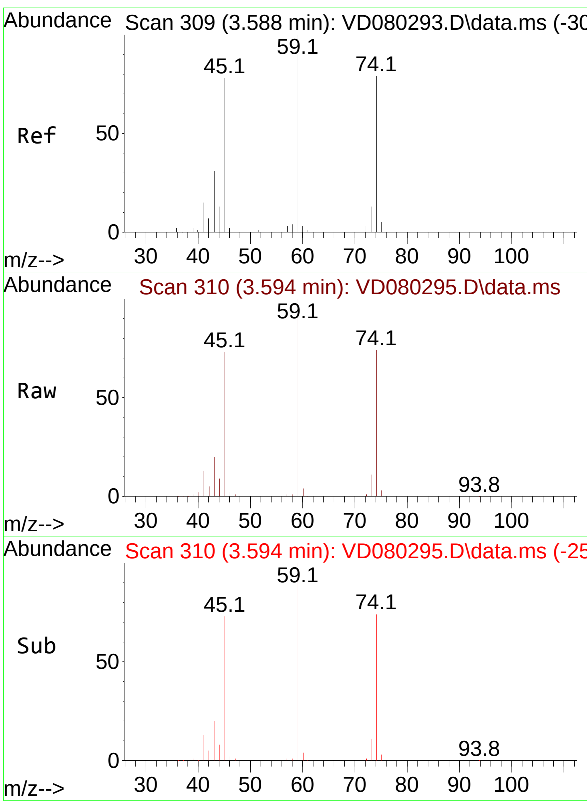


#7
Trichlorofluoromethane
Concen: 130.333 ug/l
RT: 3.164 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:101 Resp: 36195

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.8

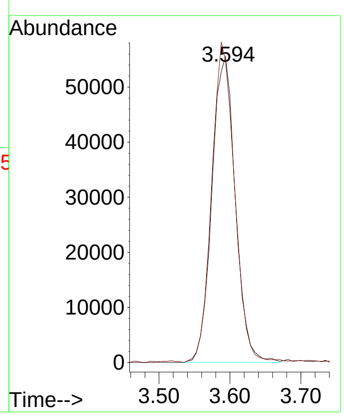


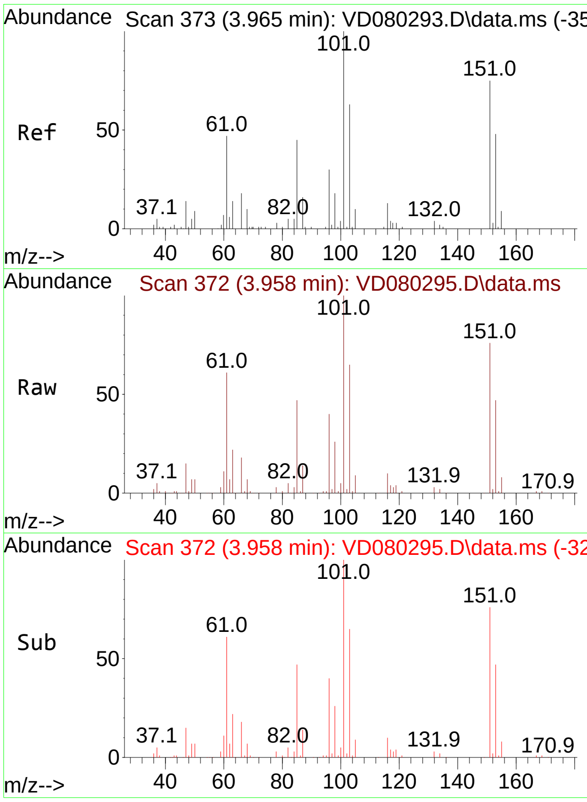


#8
Diethyl Ether
Concen: 149.026 ug/l
RT: 3.594 min Scan# 310
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 74 Resp: 127755

Ion	Ratio	Lower	Upper
74	100		
45	102.0	53.1	159.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 130.270 ug/l
RT: 3.958 min Scan# 3
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

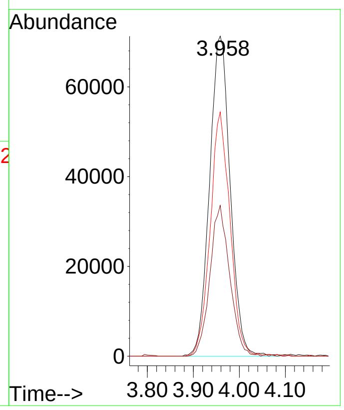
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

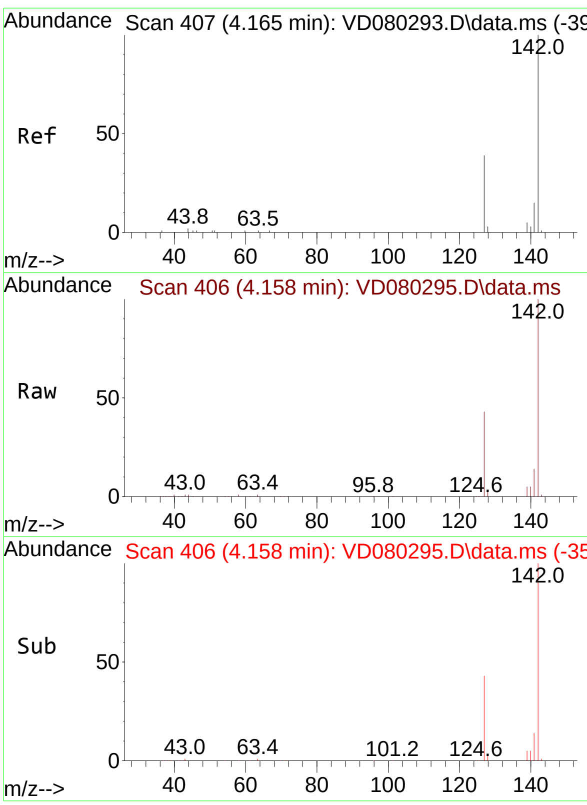
Tgt Ion:101 Resp: 22290

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.1	59.0	88.6

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

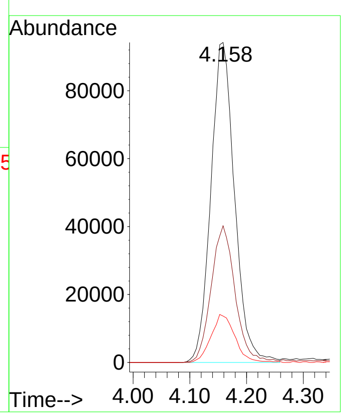




#10
Methyl Iodide
Concen: 156.876 ug/l
RT: 4.158 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:142 Resp: 273632

Ion	Ratio	Lower	Upper
142	100		
127	43.2	34.6	52.0
141	15.2	12.2	18.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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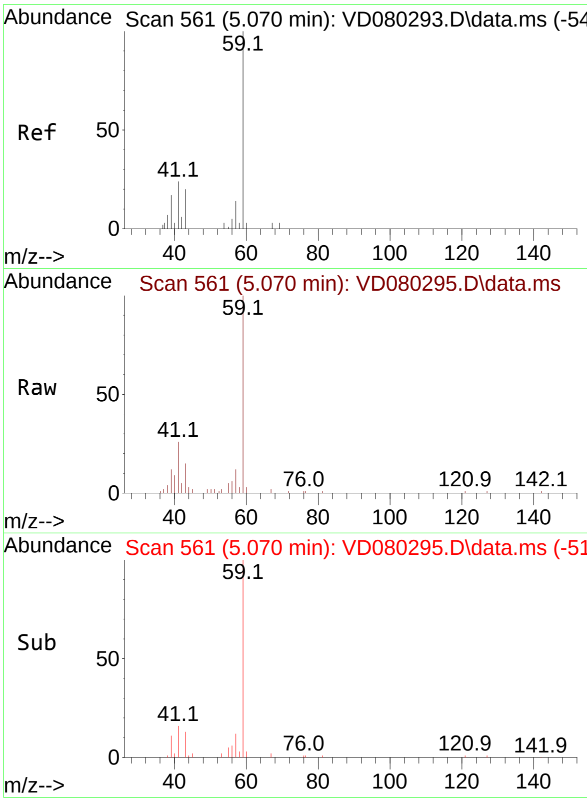
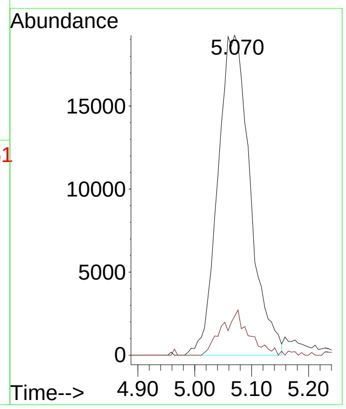
Supervised By :Semsettin Yesilyurt 05/07/2025

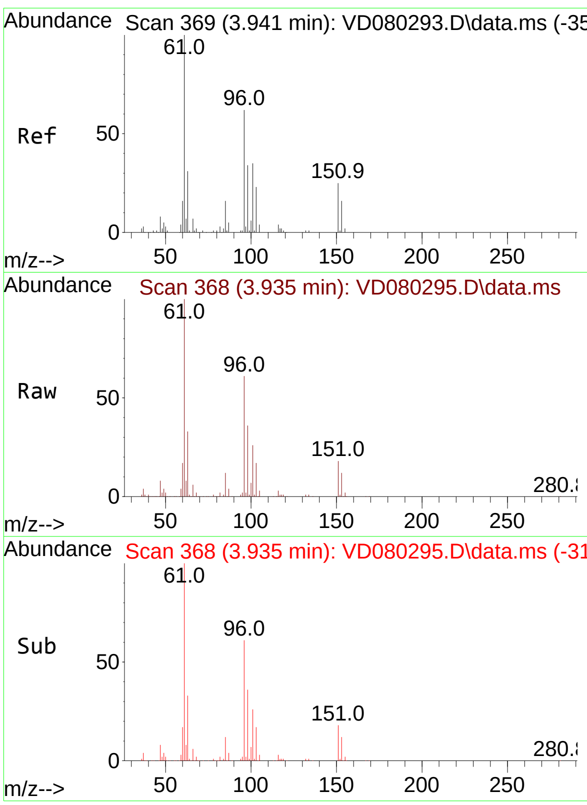


#11
Tert butyl alcohol
Concen: 695.593 ug/l
RT: 5.070 min Scan# 5
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 59 Resp: 7604

Ion	Ratio	Lower	Upper
59	100		
57	7.8	10.6	16.0#

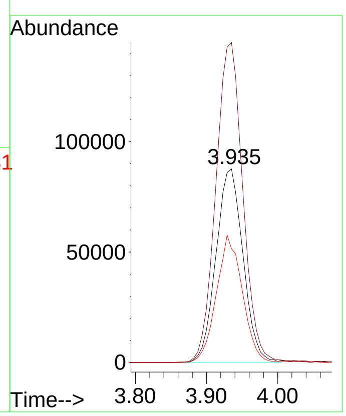




#12
1,1-Dichloroethene
Concen: 137.316 ug/l
RT: 3.935 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 96 Resp: 231643

Ion	Ratio	Lower	Upper
96	100		
61	165.0	128.2	192.2
98	58.8	43.9	65.9



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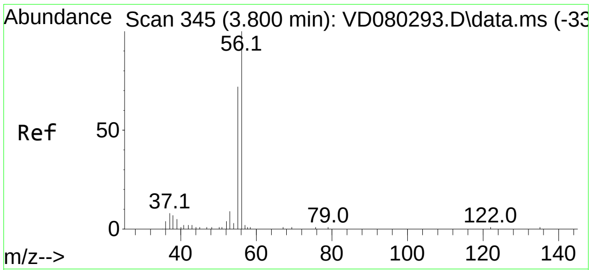
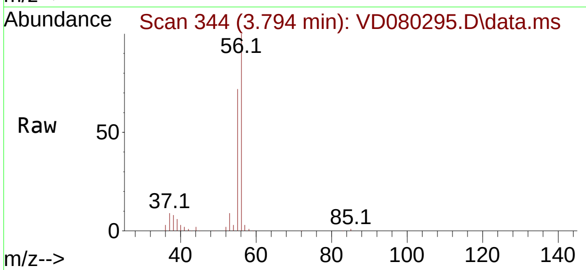
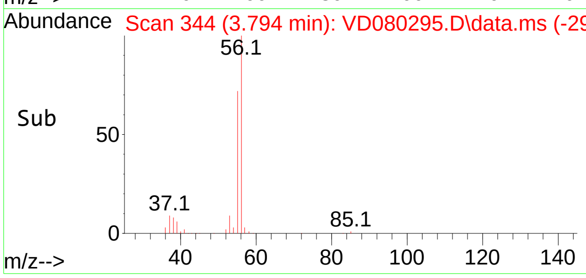






#13
Acrolein
Concen: 716.163 ug/l
RT: 3.794 min Scan# 34
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

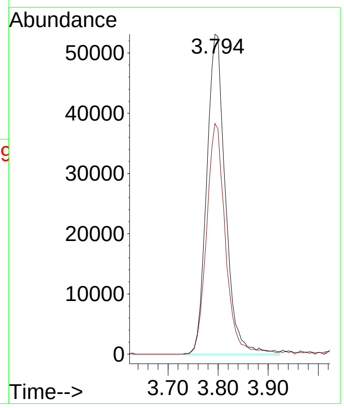
Tgt Ion: 56 Resp: 137757

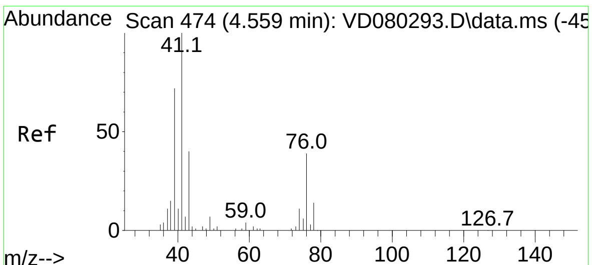
Ion	Ratio	Lower	Upper
56	100		
55	72.5	57.4	86.2

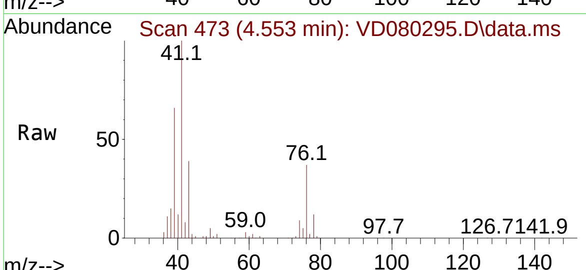
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

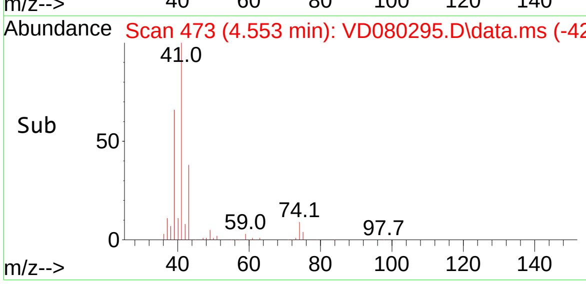
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





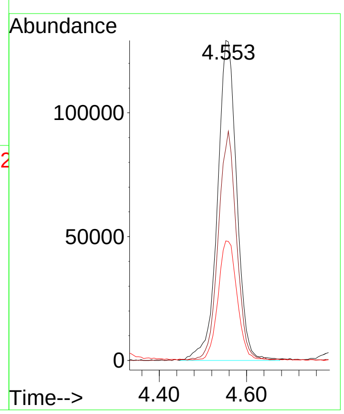




#14
Allyl chloride
Concen: 149.522 ug/l
RT: 4.553 min Scan# 473
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 41 Resp: 396693

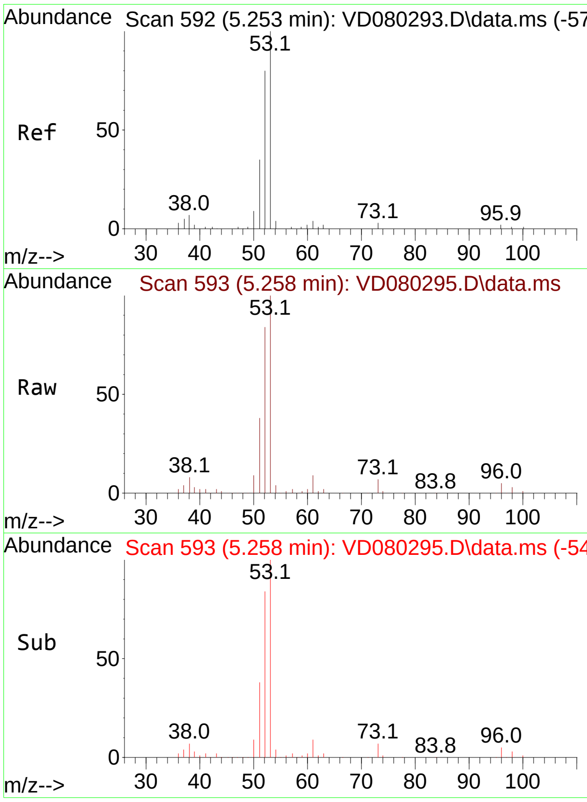
Ion	Ratio	Lower	Upper
41	100		
39	67.1	53.0	79.4
76	36.3	28.8	43.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

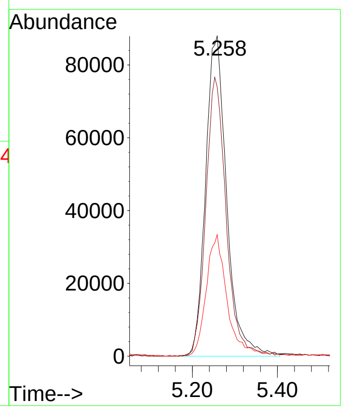
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

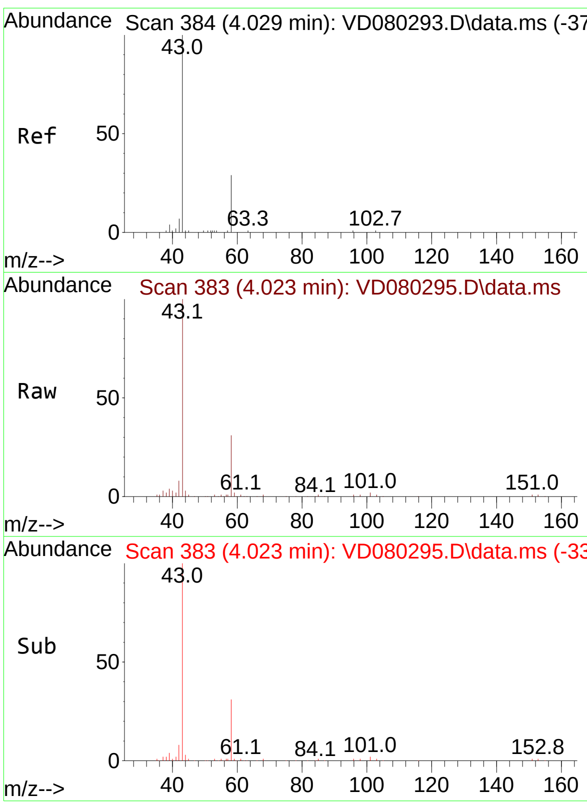


#15
Acrylonitrile
Concen: 736.093 ug/l
RT: 5.258 min Scan# 5
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 53 Resp: 30337

Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.3	100.9
51	37.3	30.4	45.6

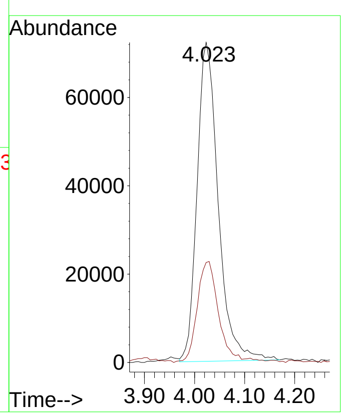




#16
Acetone
Concen: 749.176 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

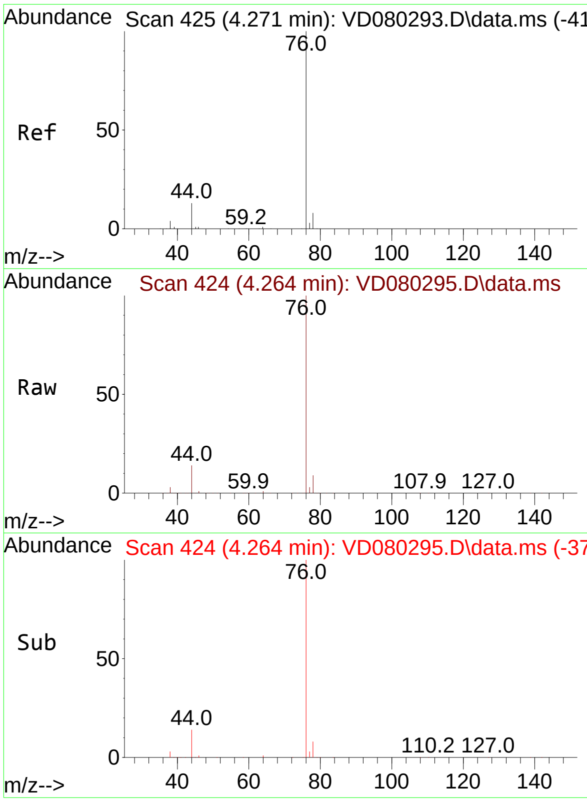
Tgt Ion: 43 Resp: 212199

Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.9	34.3



Instrument : MSVOA_D
ClientSampleId : VSTDICC150

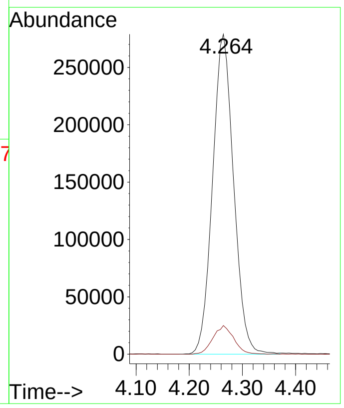
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

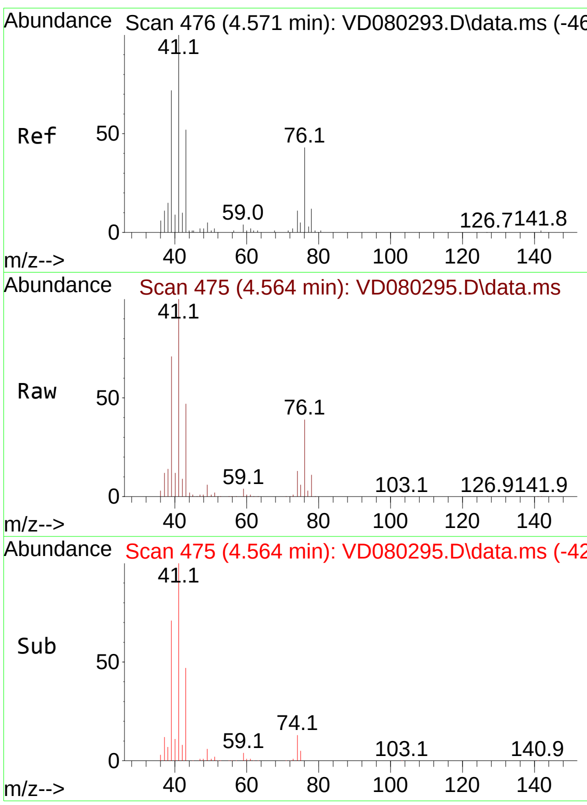


#17
Carbon Disulfide
Concen: 130.956 ug/l
RT: 4.264 min Scan# 4
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 76 Resp: 76713
Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	10.0

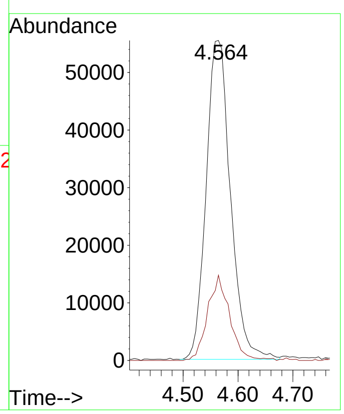




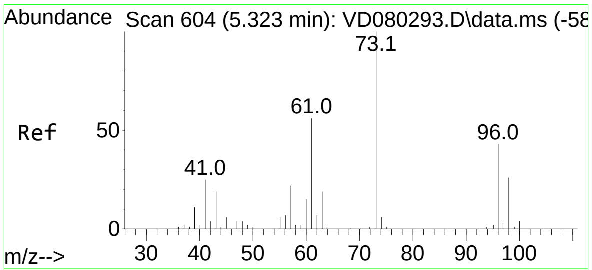
#18
Methyl Acetate
Concen: 146.497 ug/l
RT: 4.564 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

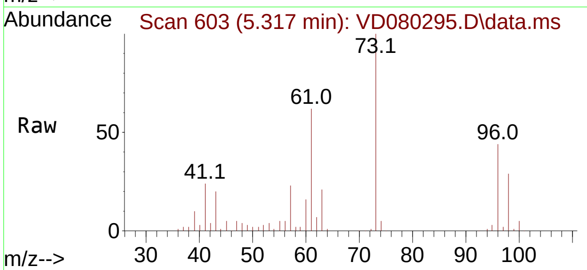
Tgt Ion: 43 Resp: 171045

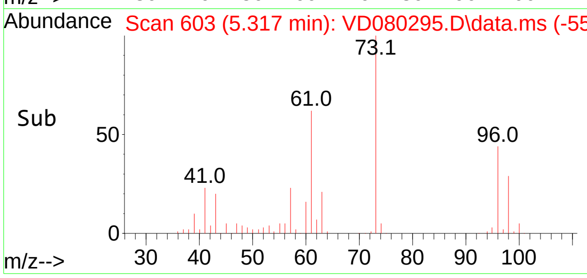
Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.4	30.6



ICAL Form







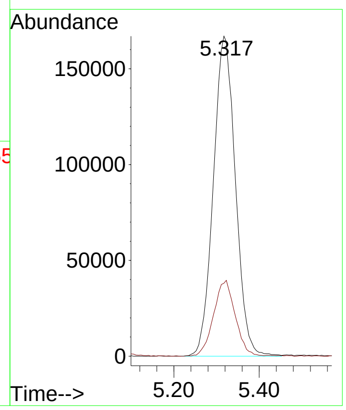

```
#19
Methyl tert-butyl Ether
Concen:  162.183 ug/l
RT:    5.317 min  Scan# 6
Delta R.T.  -0.006 min
Lab File:   VD080295.D
Acq: 06 May 2025  15:47

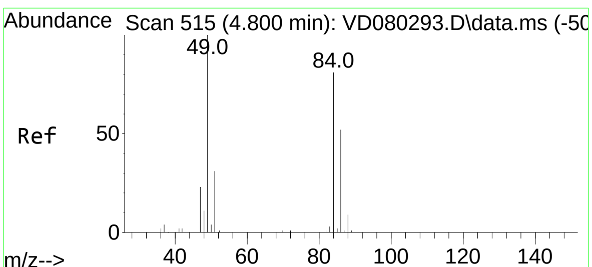
Tgt Ion: 73 Resp:  60104
Ion  Ratio  Lower  Upper
 73  100
 57   22.8   17.5   26.3
```

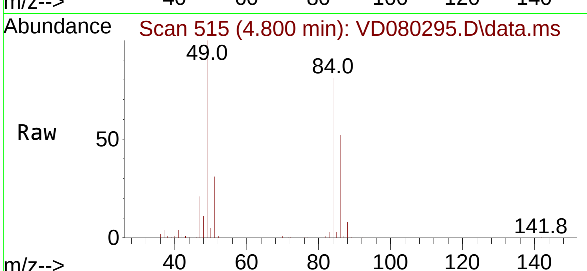
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

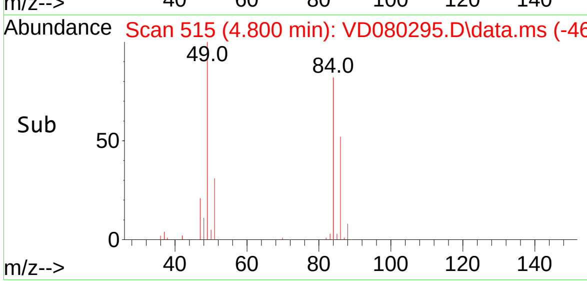
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



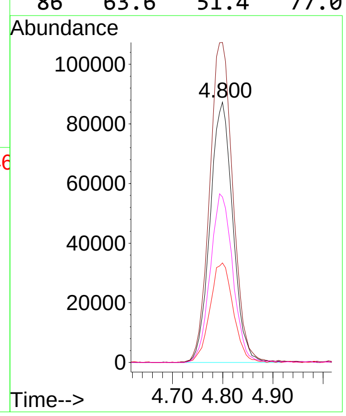







```
#20
Methylene Chloride
Concen:  150.482 ug/l
RT:    4.800 min  Scan# 515
Delta R.T.  -0.000 min
Lab File:   VD080295.D
Acq: 06 May 2025  15:47

Tgt Ion: 84 Resp:  274742
Ion  Ratio  Lower  Upper
 84  100
 49  122.6   98.7  148.1
 51   38.2   30.8   46.2
 86   63.6   51.4   77.0
```



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
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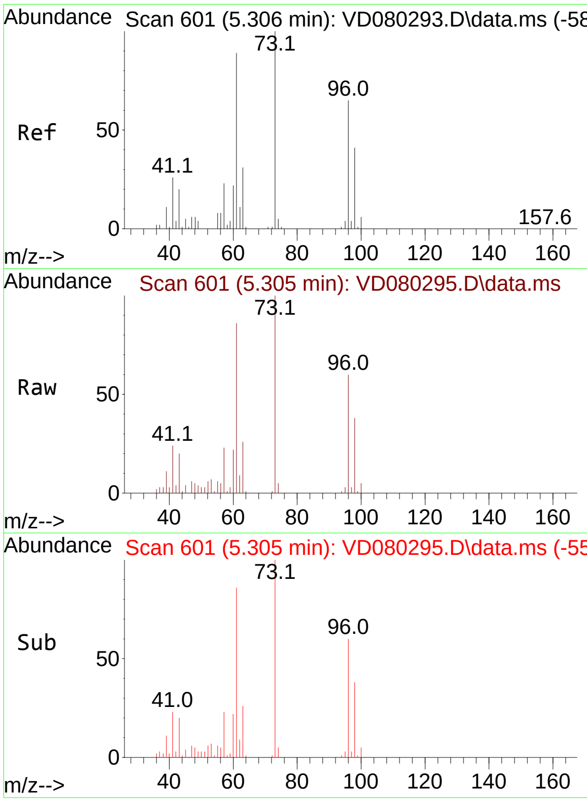
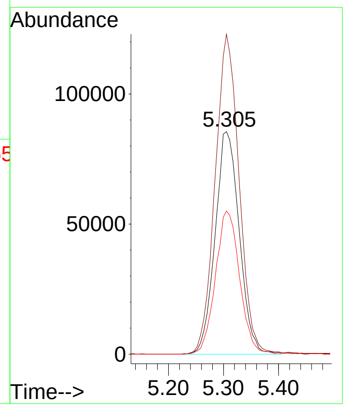
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

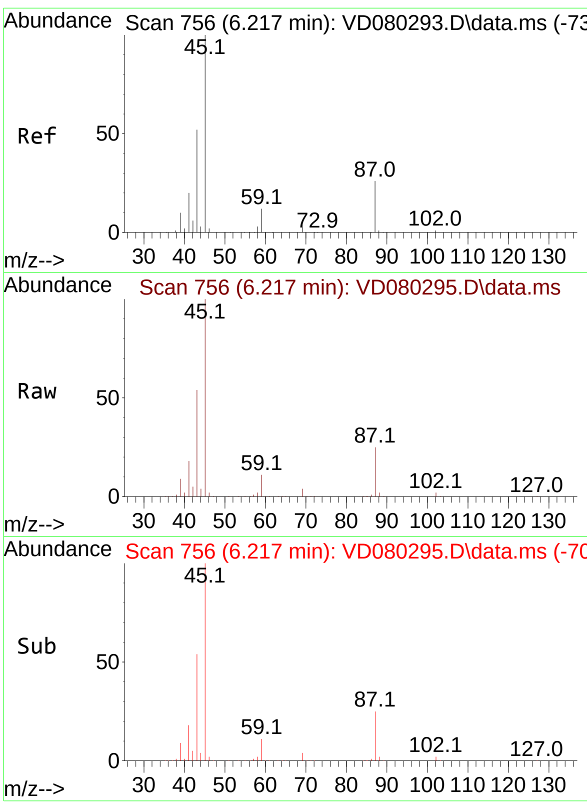


#21
trans-1,2-Dichloroethene
Concen: 142.574 ug/l
RT: 5.305 min Scan# 6
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 96 Resp: 26128

Ion	Ratio	Lower	Upper
96	100		
61	143.8	109.9	164.9
98	64.4	50.6	75.8

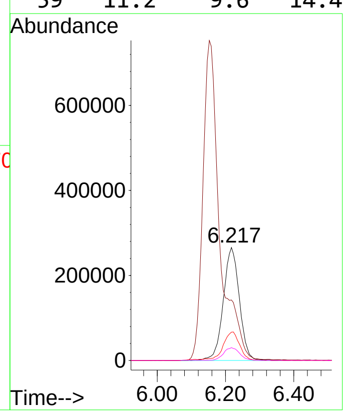




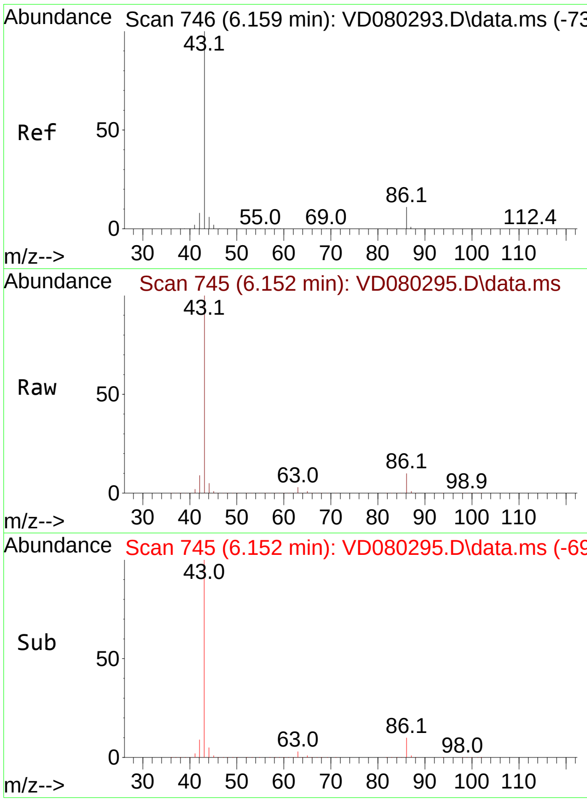
#22
Diisopropyl ether
Concen: 159.014 ug/l
RT: 6.217 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 45 Resp: 869042

Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.5	63.7
87	25.0	21.4	32.0
59	11.2	9.6	14.4



ICAL Form



#23
Vinyl Acetate
Concen: 809.725 ug/l
RT: 6.152 min Scan# 74
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 43 Resp: 257739

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.6	12.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

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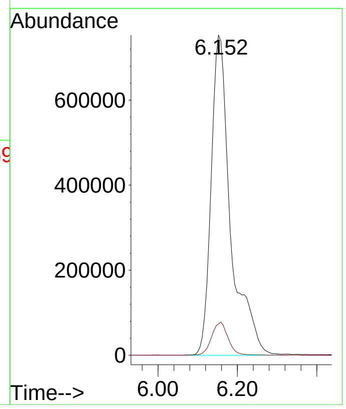
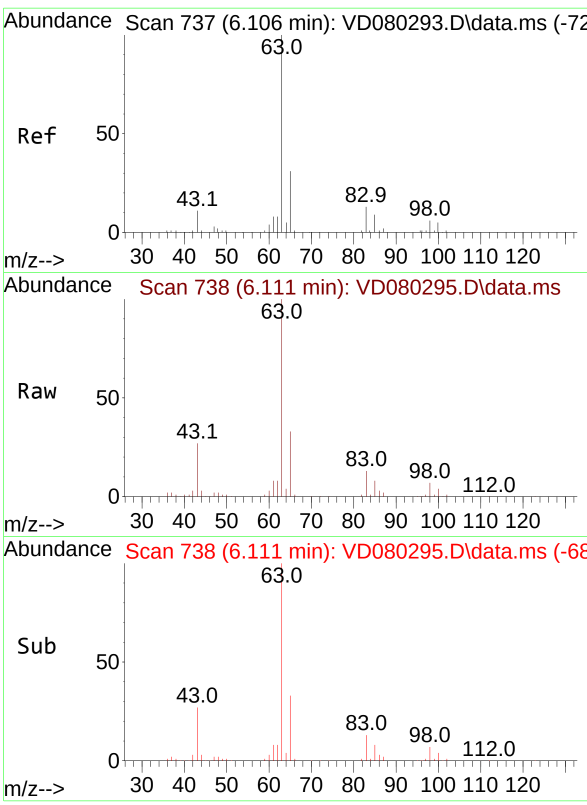
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

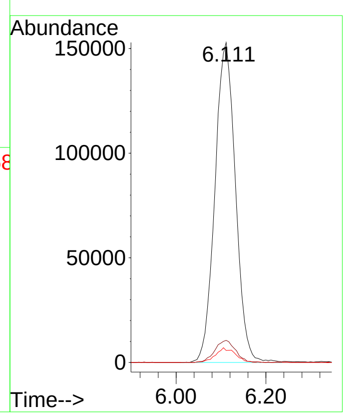




#24
1,1-Dichloroethane
Concen: 141.609 ug/l
RT: 6.111 min Scan# 738
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 63 Resp: 487000

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.1	9.3
100	3.8	2.3	6.9



Instrument : MSVOA_D
ClientSampleId : VSTDICC150

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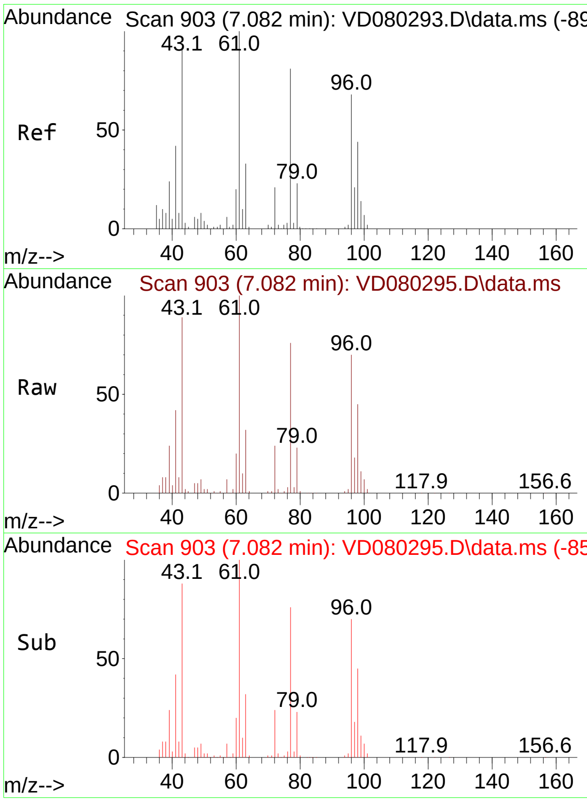
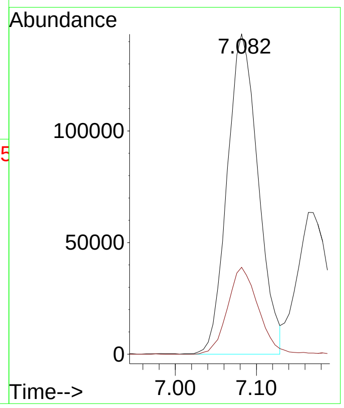
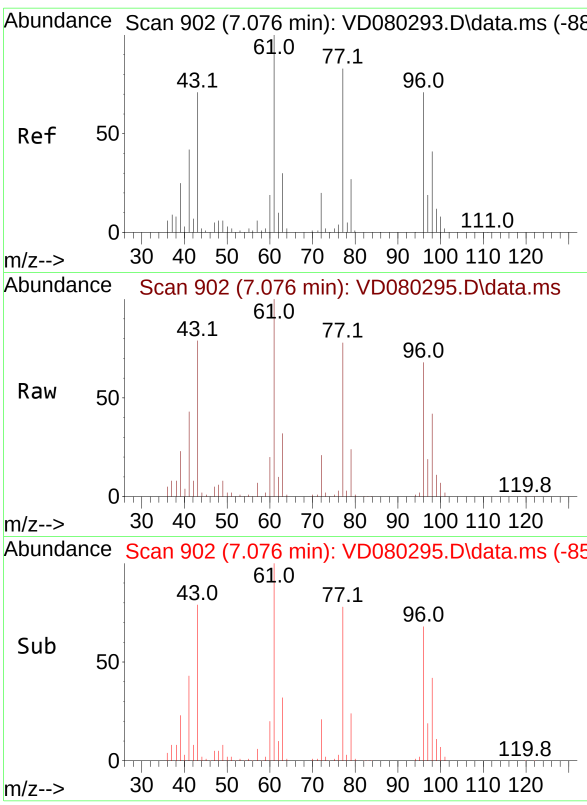


#25
2-Butanone
Concen: 769.309 ug/l
RT: 7.082 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 43 Resp: 38135

Ion	Ratio	Lower	Upper
43	100		
72	27.1	19.0	28.4

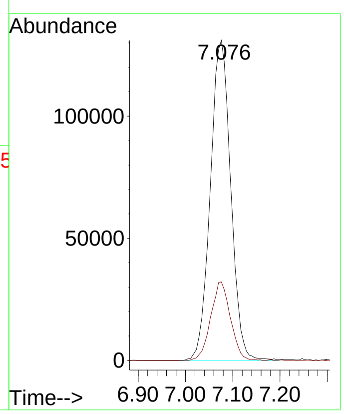




#26
2,2-Dichloropropane
Concen: 143.761 ug/l
RT: 7.076 min Scan# 902
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 77 Resp: 393407

Ion	Ratio	Lower	Upper
77	100		
97	23.7	12.0	36.1



ICAL Form

Instrument : MSVOA_D
ClientSampleId : VSTDICC150

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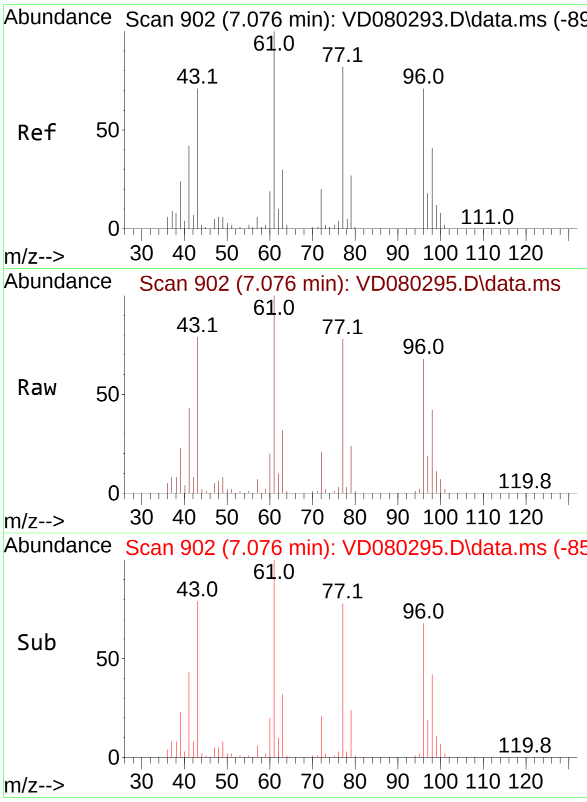
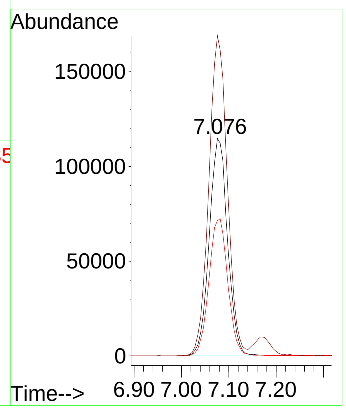
Supervised By :Semsettin Yesilyurt 05/07/2025

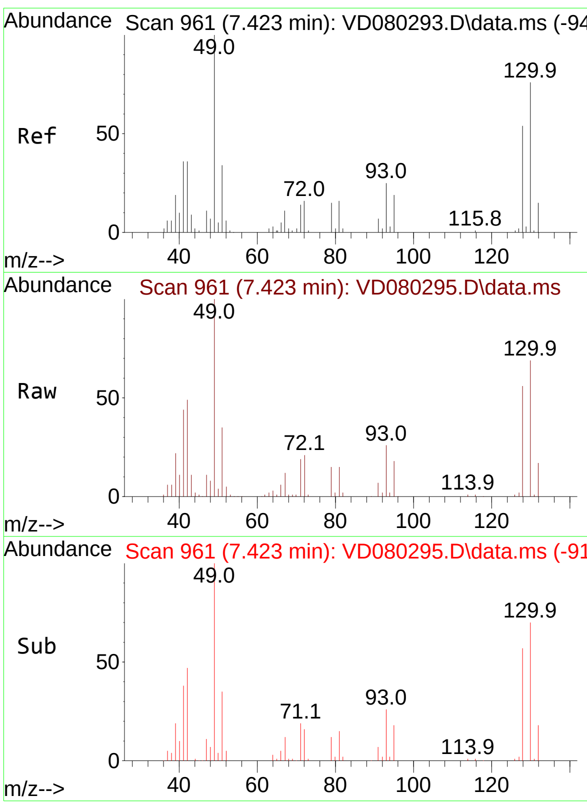


#27
cis-1,2-Dichloroethene
Concen: 152.663 ug/l
RT: 7.076 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 96 Resp: 309968

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	293.8
98	64.9	0.0	128.8

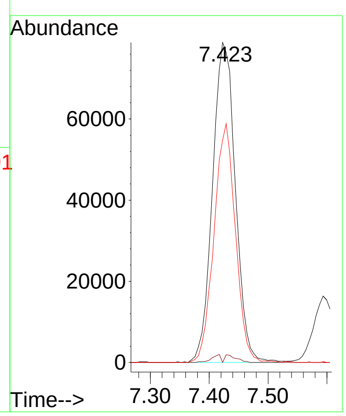


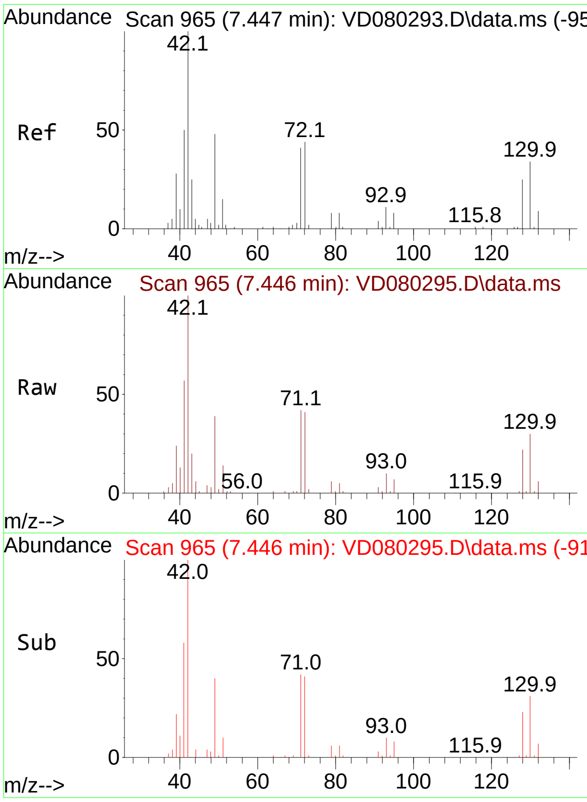


#28
Bromochloromethane
Concen: 133.160 ug/l
RT: 7.423 min Scan# 961
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 49 Resp: 213220

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	69.9	56.0	84.0





#29
Tetrahydrofuran
Concen: 813.333 ug/l
RT: 7.446 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

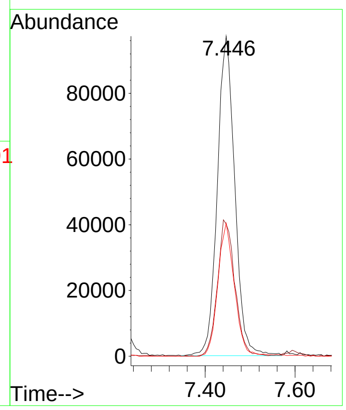
Tgt Ion: 42 Resp: 26287

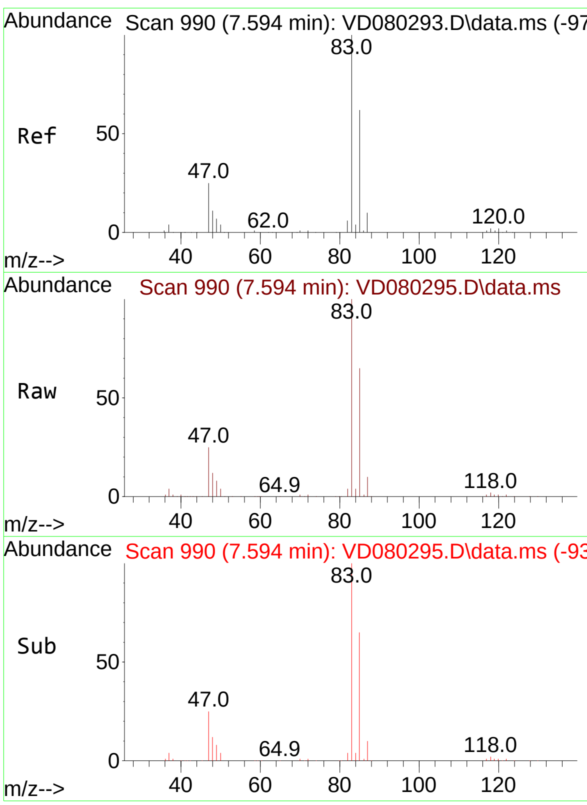
Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.8	49.2
71	39.6	33.8	50.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

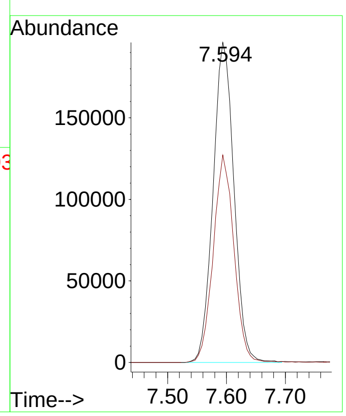




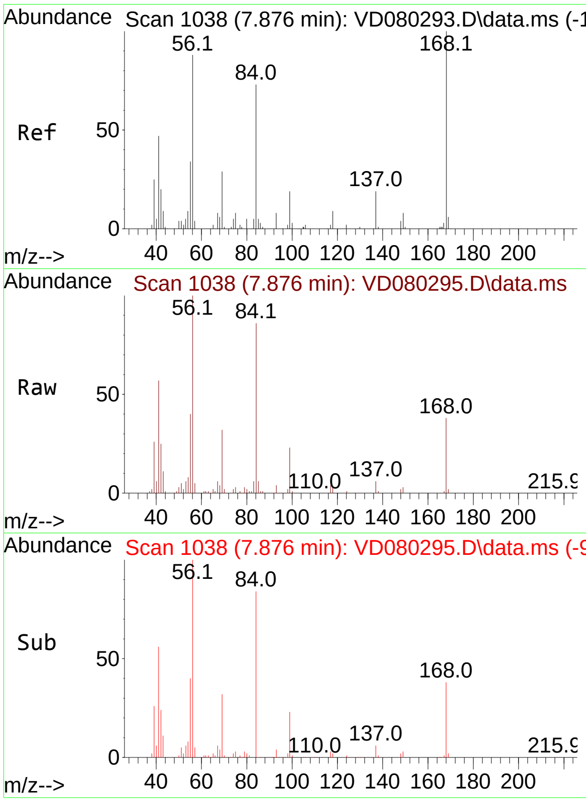
#30
Chloroform
Concen: 141.599 ug/l
RT: 7.594 min Scan# 990
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 83 Resp: 485613

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.0	75.0



ICAL Form



#31
Cyclohexane
Concen: 142.059 ug/l
RT: 7.876 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
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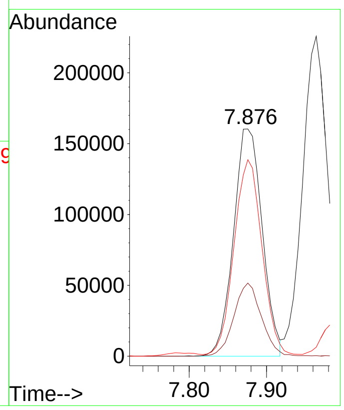
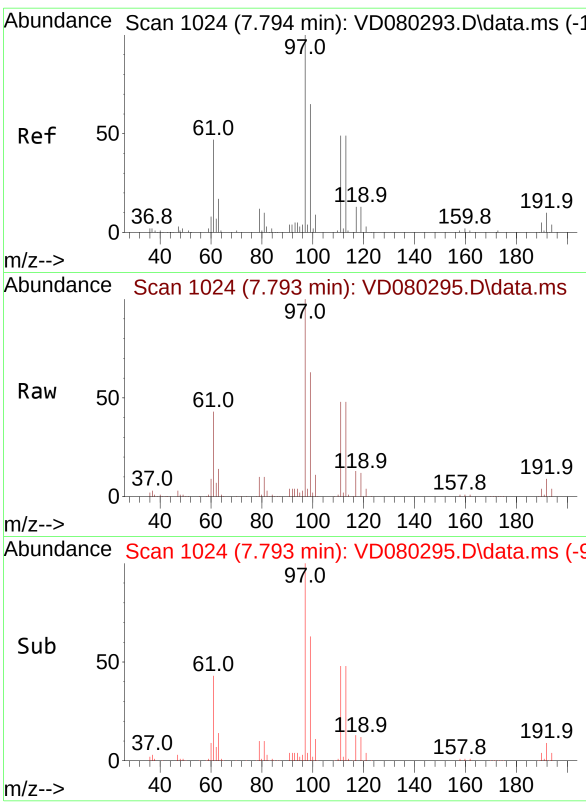
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 56 Resp: 41579

Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.1	39.1
84	85.1	66.5	99.7

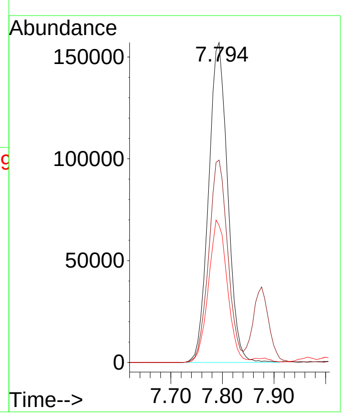




#32
1,1,1-Trichloroethane
Concen: 144.652 ug/l
RT: 7.793 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 97 Resp: 404735

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	44.1	37.9	56.9



Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

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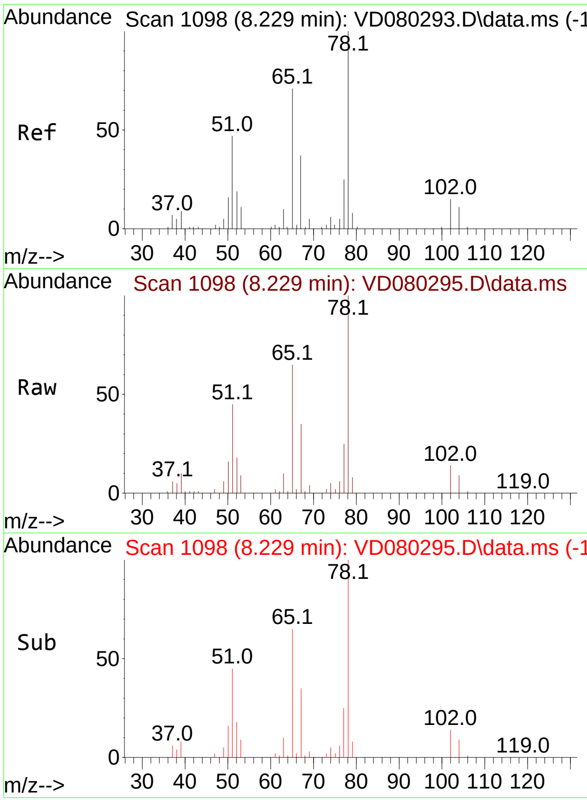
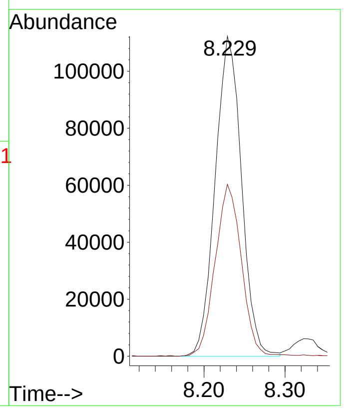
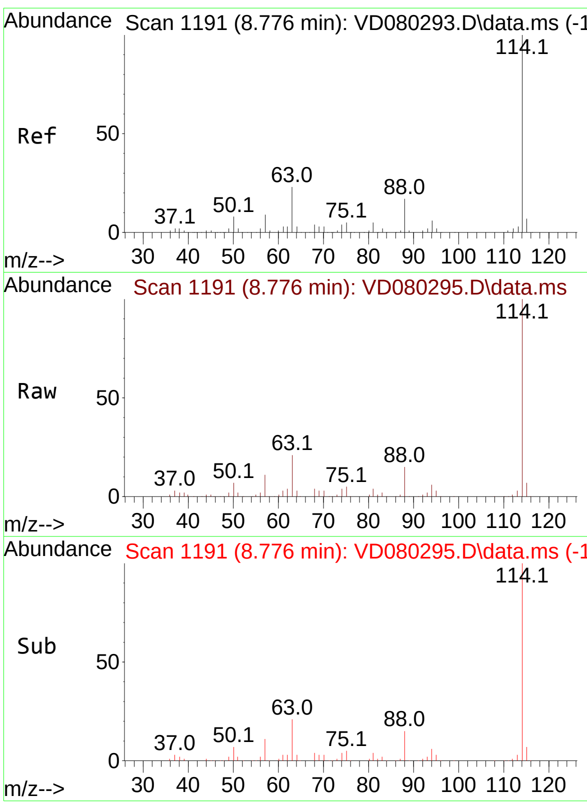



```
#33
1,2-Dichloroethane-d4
Concen:  140.680 ug/l
RT:   8.229 min  Scan# 1(
Delta R.T.  -0.000 min
Lab File:   VD080295.D
Acq: 06 May 2025  15:47

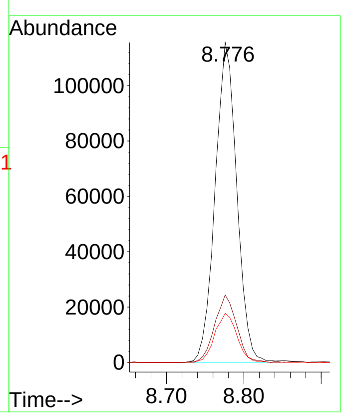
Tgt Ion: 65 Resp:  25345
Ion  Ratio  Lower  Upper
 65  100
 67   53.6    0.0  107.6
```






```
#34
1,4-Difluorobenzene
Concen:   50.000 ug/l
RT:   8.776 min  Scan# 1191
Delta R.T.  -0.000 min
Lab File:   VD080295.D
Acq: 06 May 2025  15:47

Tgt Ion:114 Resp:  225815
Ion  Ratio  Lower  Upper
114  100
 63   21.1    0.0   45.6
 88   15.4    0.0   33.2
```



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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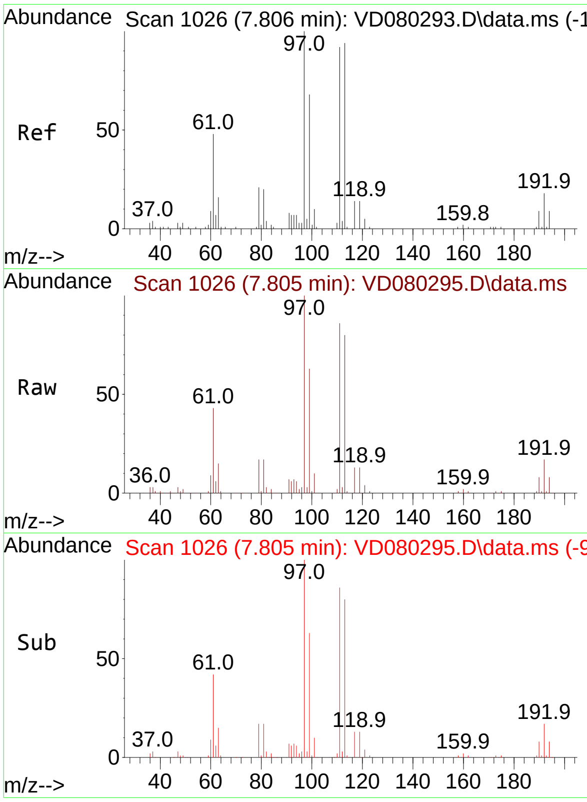
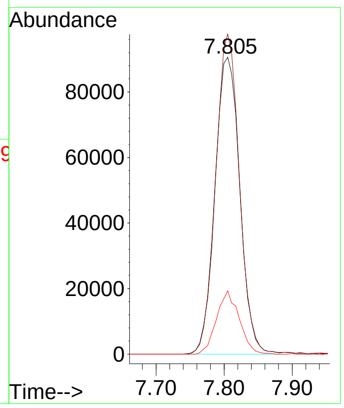
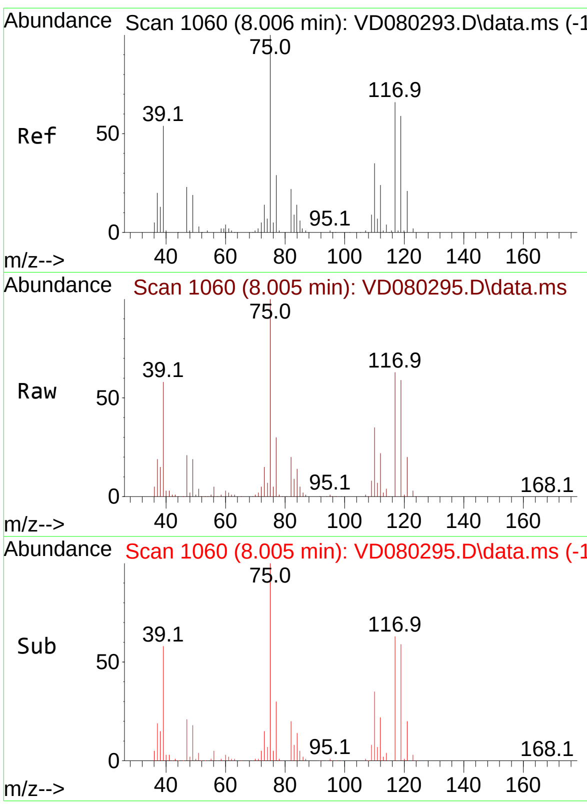


#35
Dibromofluoromethane
Concen: 151.877 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:113 Resp: 22986

Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.7	121.1
192	19.6	15.7	23.5

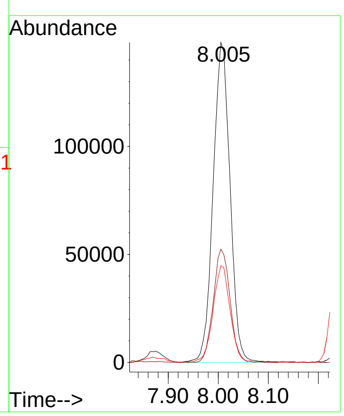




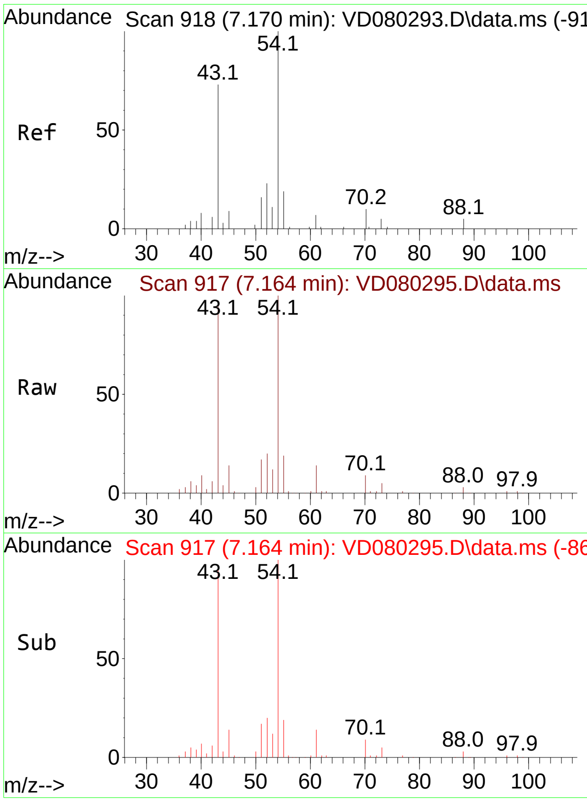
#36
1,1-Dichloropropene
Concen: 154.387 ug/l
RT: 8.005 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 75 Resp: 349219

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.1	51.2
77	30.0	24.9	37.3



ICAL Form



#37
Ethyl Acetate
Concen: 151.285 ug/l
RT: 7.164 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 43 Resp: 17847

Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.2	18.4
70	9.8	8.7	13.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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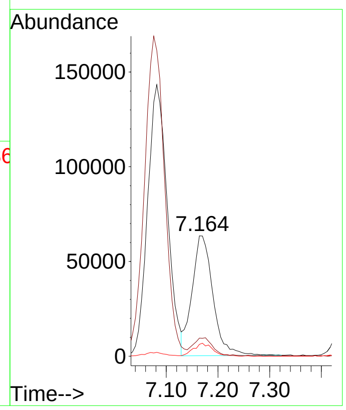
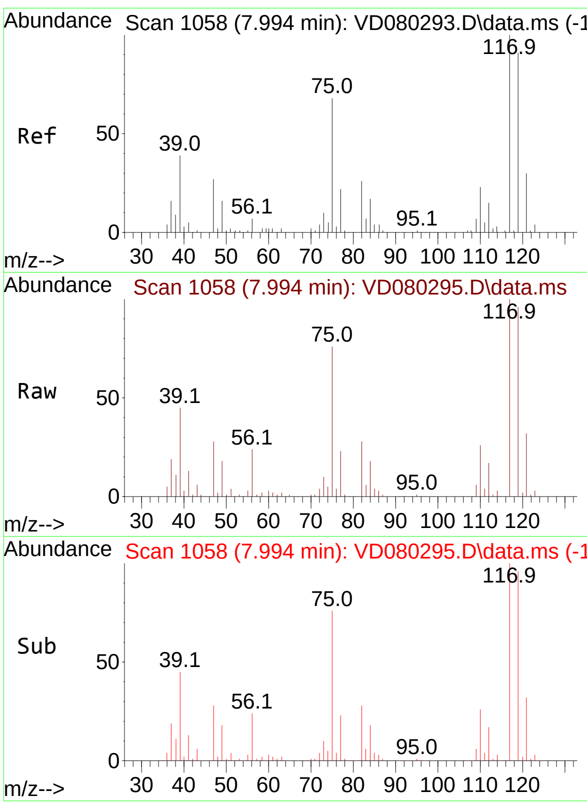
Supervised By :Semsettin Yesilyurt 05/07/2025

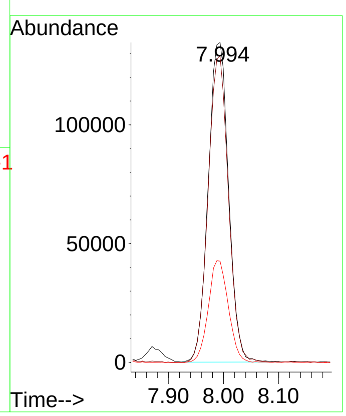


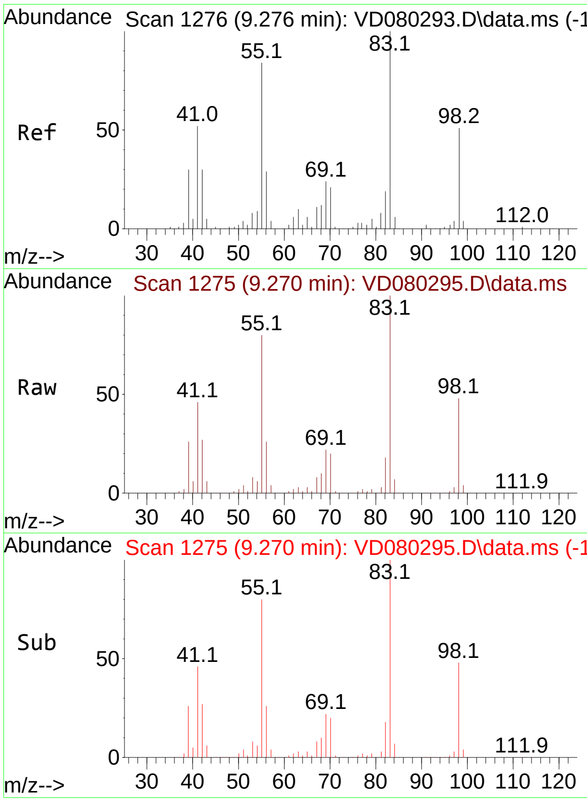


#38
Carbon Tetrachloride
Concen: 147.038 ug/l
RT: 7.994 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:117 Resp: 346860

Ion	Ratio	Lower	Upper
117	100		
119	95.9	72.7	109.1
121	31.7	24.4	36.6





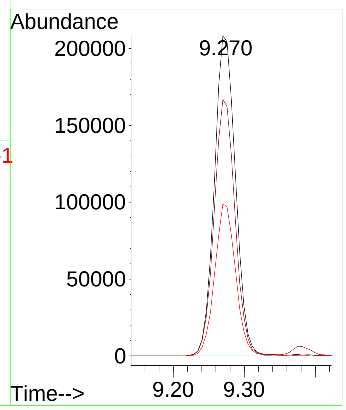
#39
Methylcyclohexane
Concen: 164.633 ug/l
RT: 9.270 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

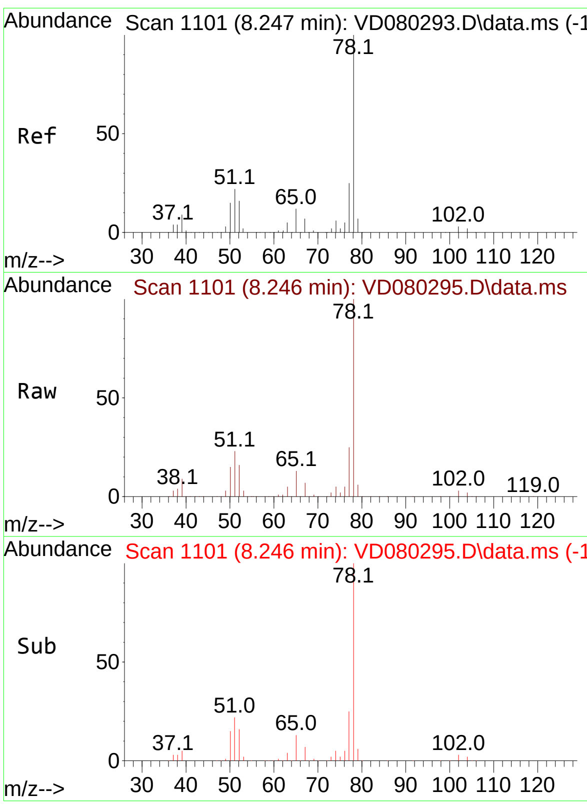
Tgt Ion: 83 Resp: 43212

Ion	Ratio	Lower	Upper
83	100		
55	80.2	67.4	101.2
98	47.5	40.6	61.0

Instrument : MSVOA_D
ClientSampleId : VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

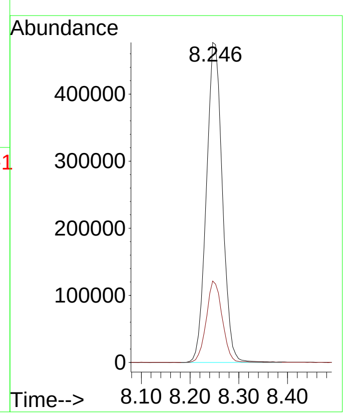




#40
Benzene
Concen: 153.139 ug/l
RT: 8.246 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 78 Resp: 1085363

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.8	29.8



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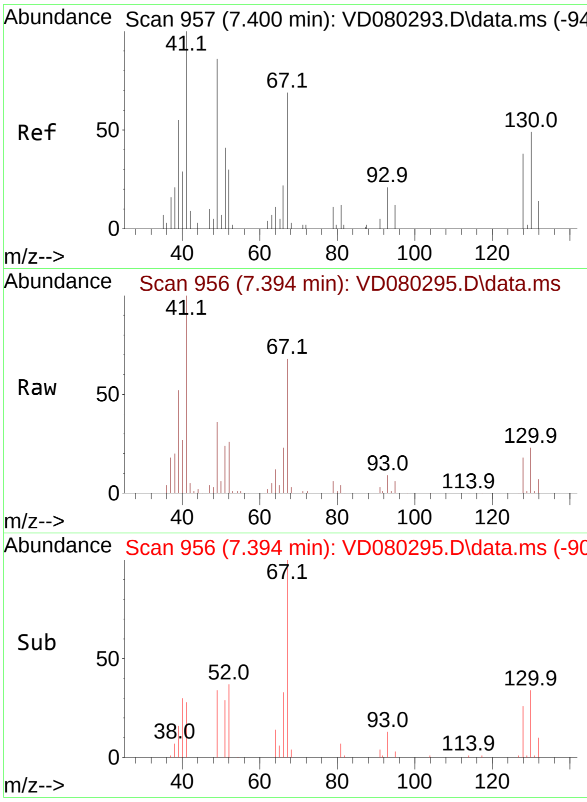

#41
Methacrylonitrile
Concen: 152.851 ug/l
RT: 7.394 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 41 Resp: 10005

Ion	Ratio	Lower	Upper
41	100		
39	60.3	44.4	66.6
67	74.7	57.1	85.7
52	31.4	27.8	41.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
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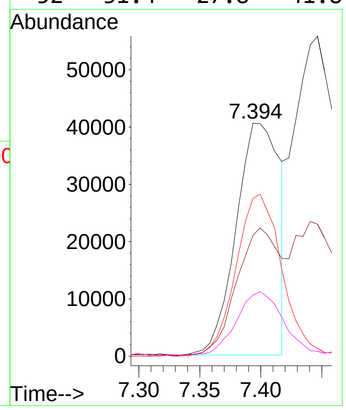
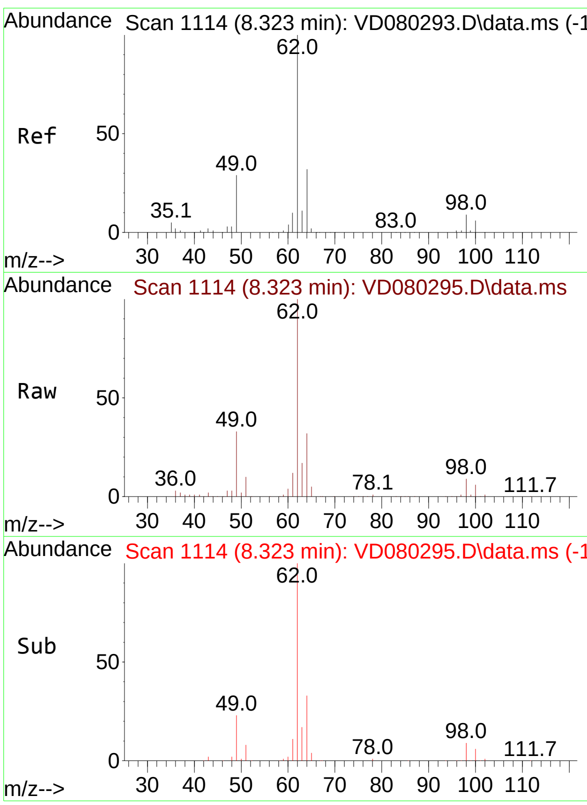
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

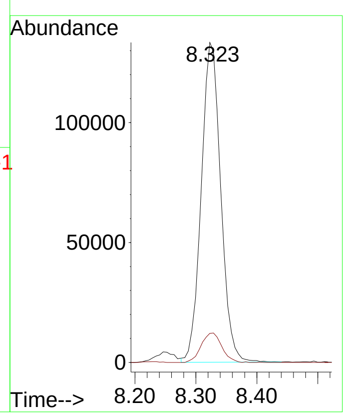


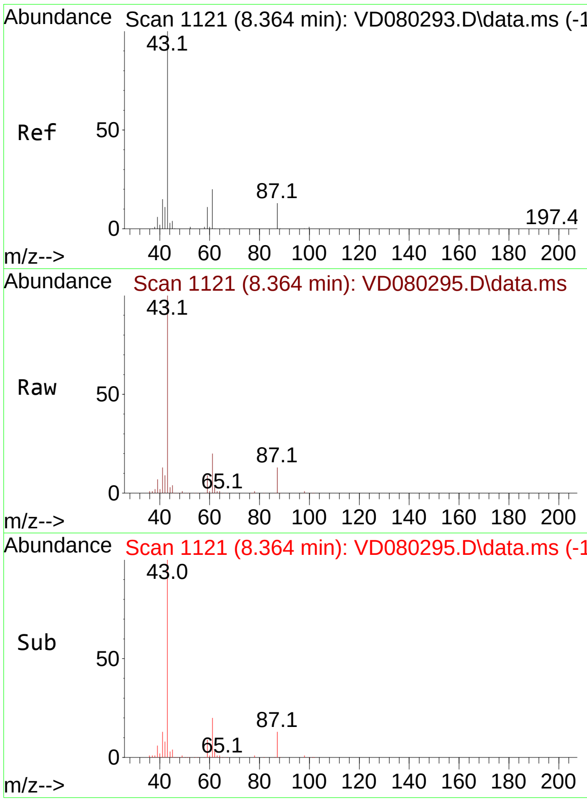


#42
1,2-Dichloroethane
Concen: 144.443 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 62 Resp: 296646

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43
Isopropyl Acetate
Concen: 158.972 ug/l
RT: 8.364 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 34097(

Ion	Ratio	Lower	Upper
43	100		
61	29.7	16.7	25.1‡
87	12.6	10.4	15.6

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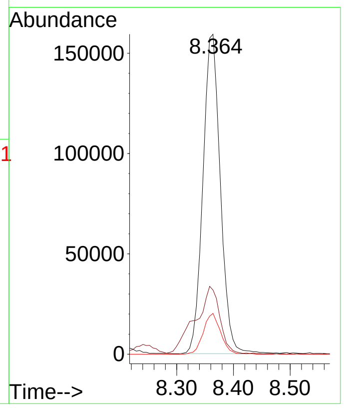
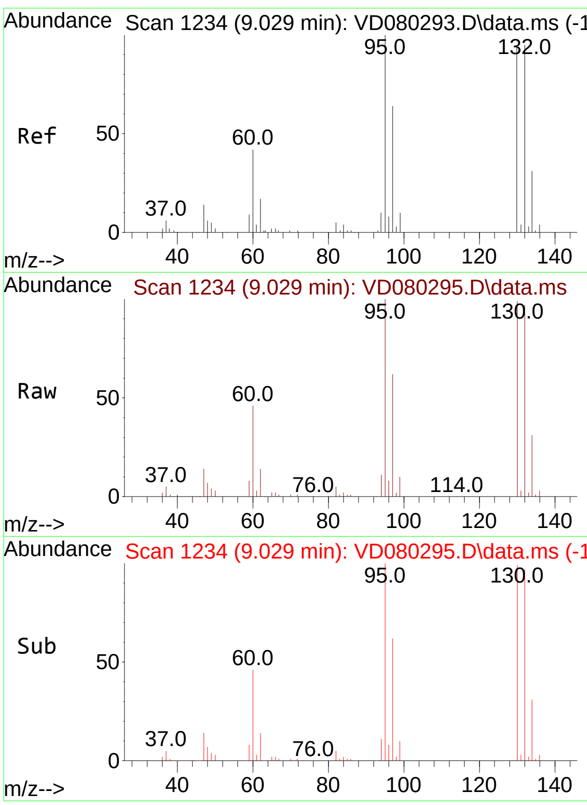
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

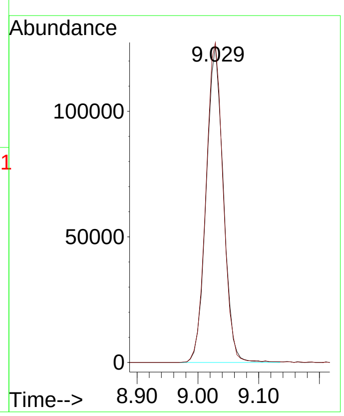


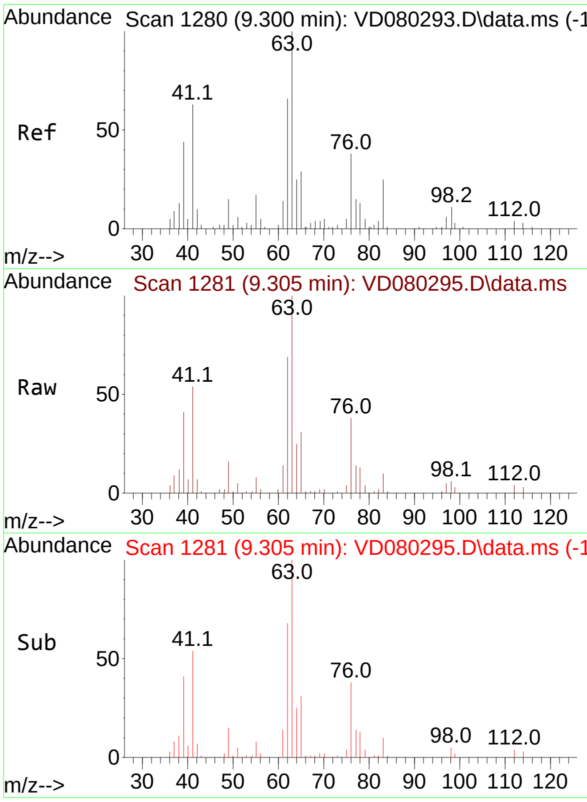


#44
Trichloroethene
Concen: 150.141 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:130 Resp: 247015

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	212.2





#45
1,2-Dichloropropane
Concen: 151.626 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 27560

Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.9	34.3

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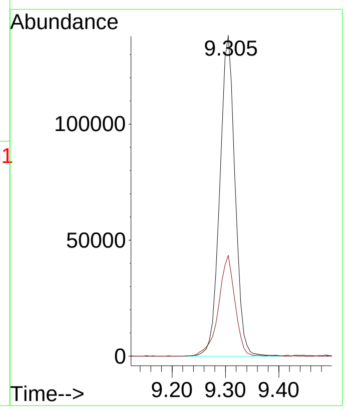
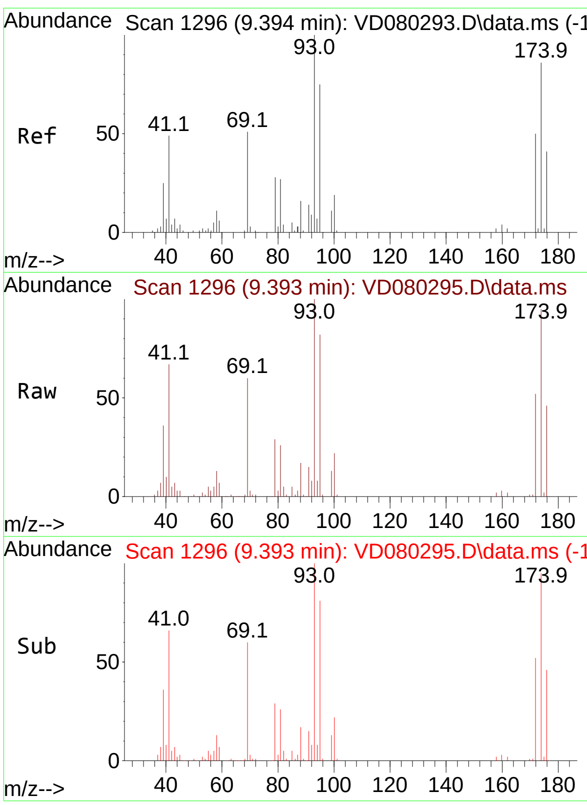
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

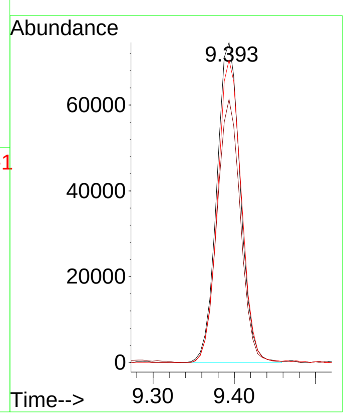


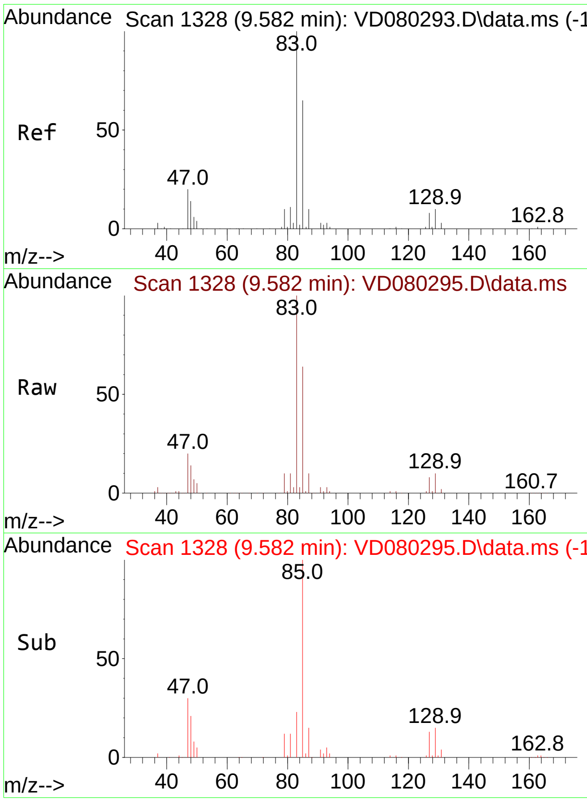


#46
Dibromomethane
Concen: 151.862 ug/l
RT: 9.393 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 93 Resp: 150291

Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.3	100.9
174	95.0	75.5	113.3





#47
Bromodichloromethane
Concen: 151.150 ug/l
RT: 9.582 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025   15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 37967

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.7	77.5
127	7.9	6.6	9.8

Manual Integrations
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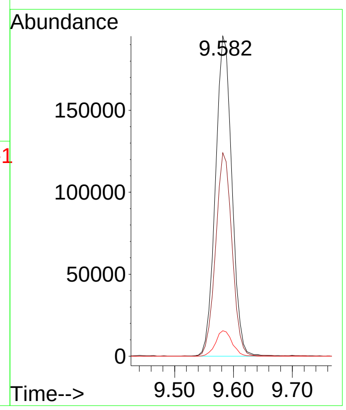
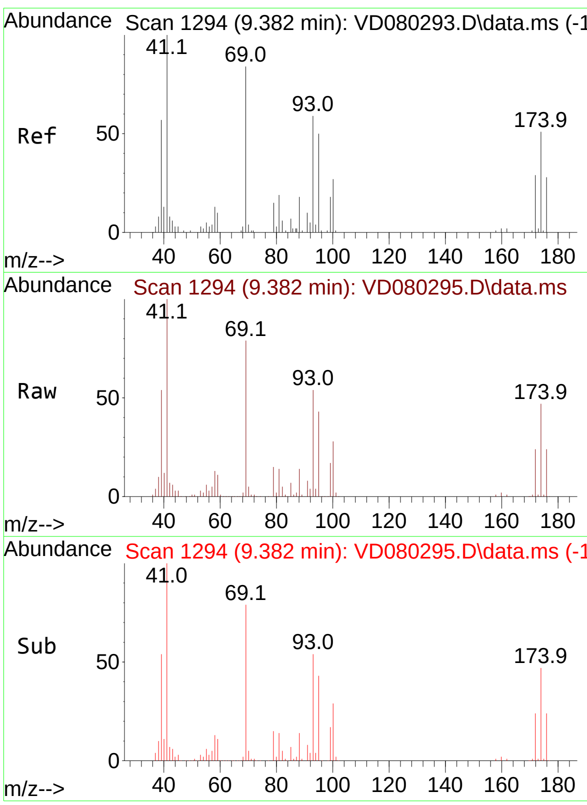
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

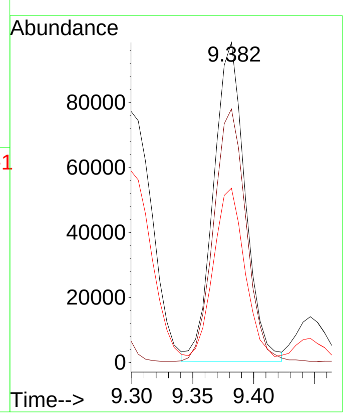




#48
Methyl methacrylate
Concen: 173.828 ug/l
RT: 9.382 min   Scan# 1294
Delta R.T.   -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025   15:47

Tgt Ion: 41 Resp: 177149

Ion	Ratio	Lower	Upper
41	100		
69	81.6	67.8	101.8
39	52.1	47.5	71.3



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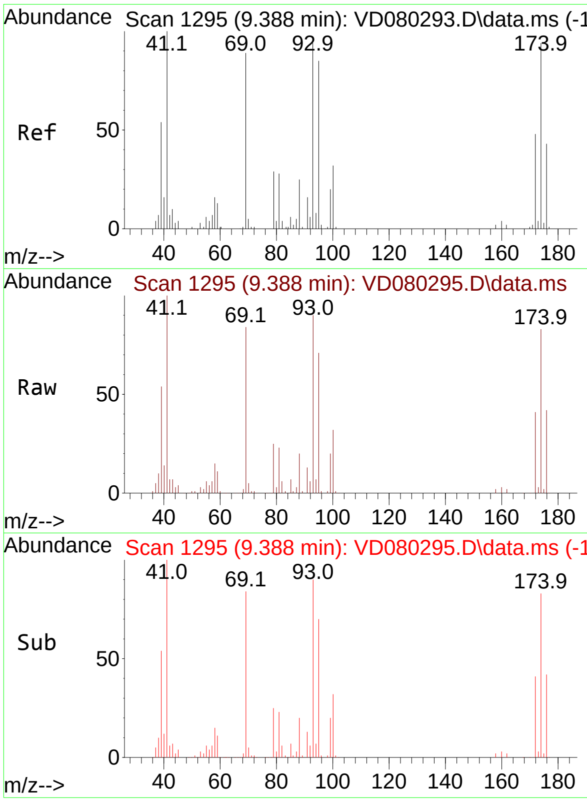

#49
1,4-Dioxane
Concen: 3147.681 ug/l
RT: 9.388 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 88 Resp: 3703

Ion	Ratio	Lower	Upper
88	100		
43	34.3	31.4	47.2
58	73.8	61.8	92.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

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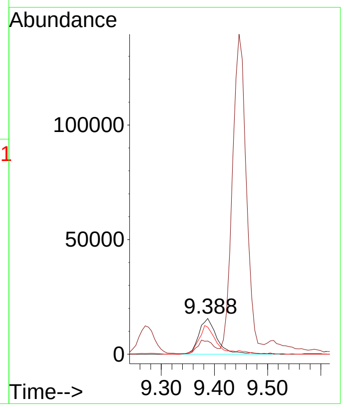
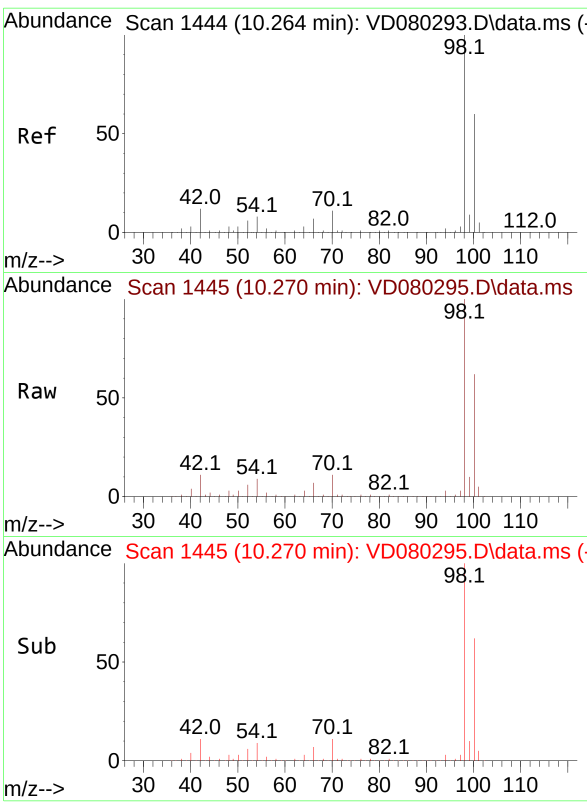
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

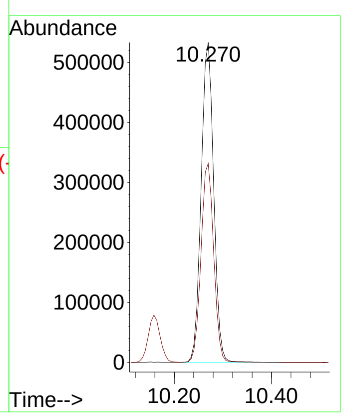


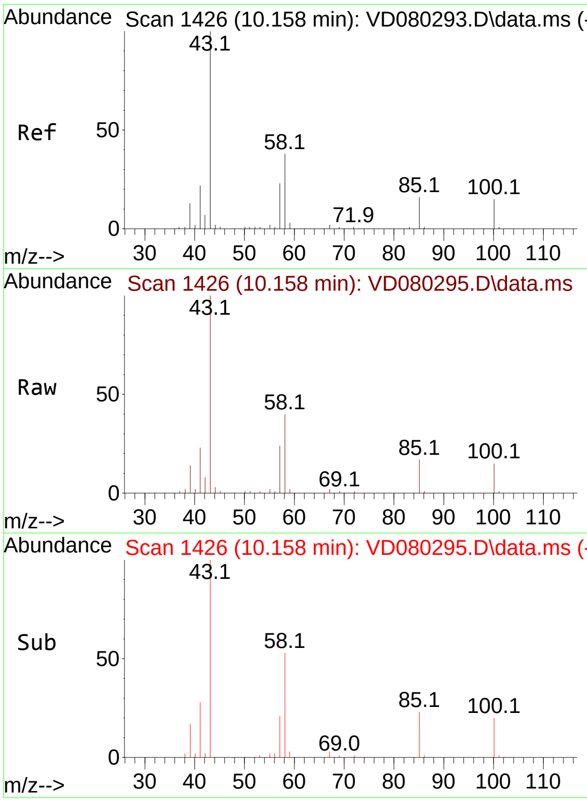


#50
Toluene-d8
Concen: 160.372 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 98 Resp: 956355

Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.0	75.0





#51
4-Methyl-2-Pentanone
Concen: 845.312 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 43 Resp: 93417

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.6	46.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
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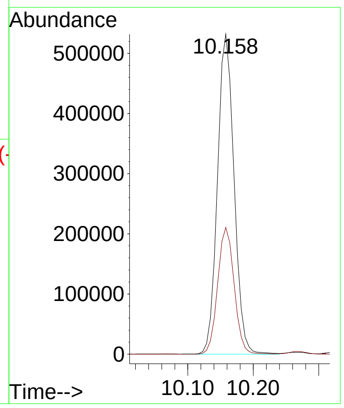
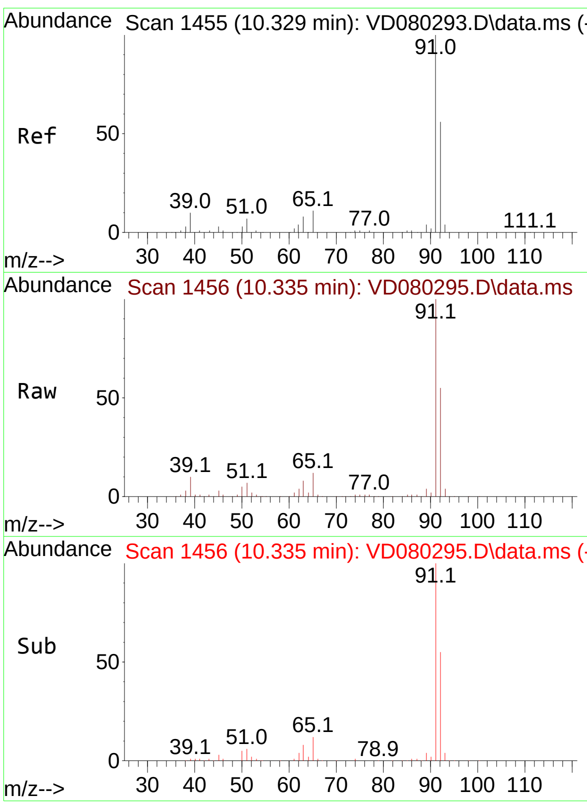
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

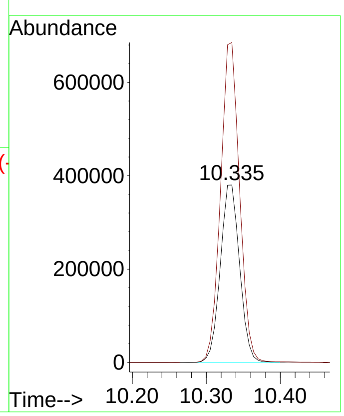




#52
Toluene
Concen: 161.786 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 92 Resp: 690797

Ion	Ratio	Lower	Upper
92	100		
91	177.2	143.4	215.2



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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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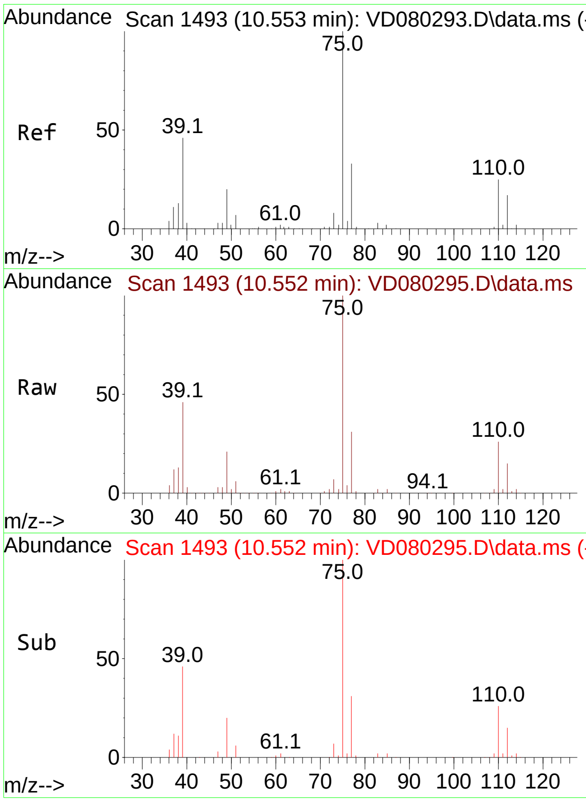
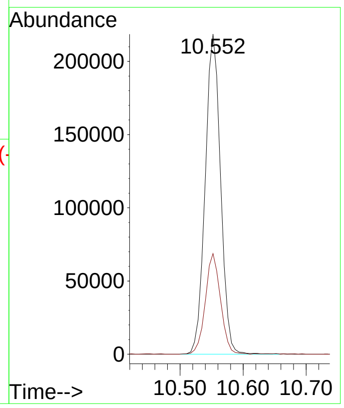
Supervised By :Semsettin Yesilyurt 05/07/2025

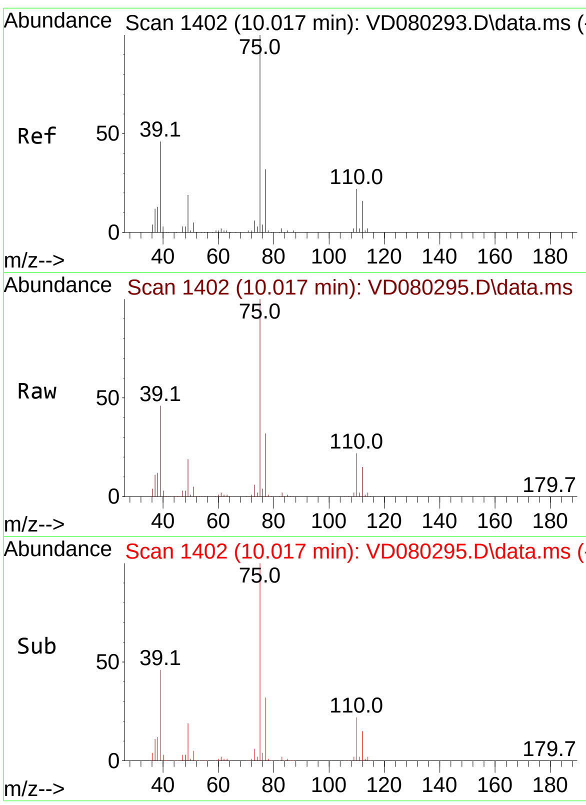


#53
t-1,3-Dichloropropene
Concen: 162.260 ug/l
RT: 10.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 75 Resp: 37156

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0

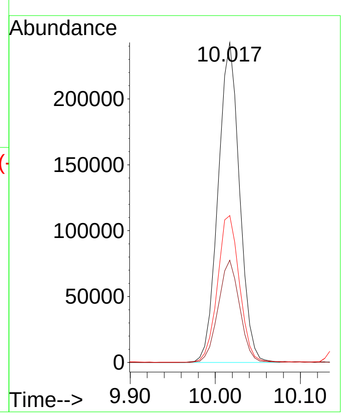




#54
cis-1,3-Dichloropropene
Concen: 160.220 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 75 Resp: 425164

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	45.8	37.0	55.6



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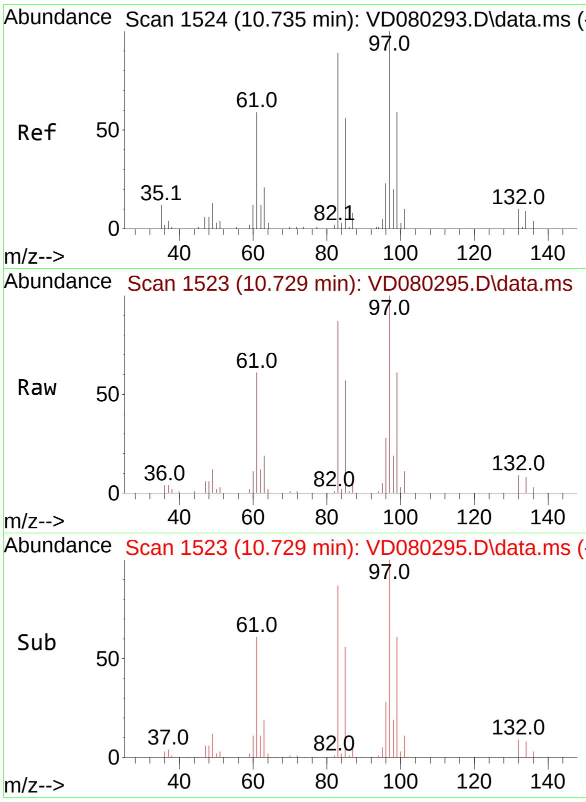


#55
1,1,2-Trichloroethane
Concen: 149.317 ug/l
RT: 10.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

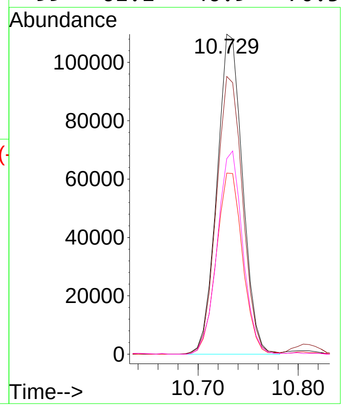
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

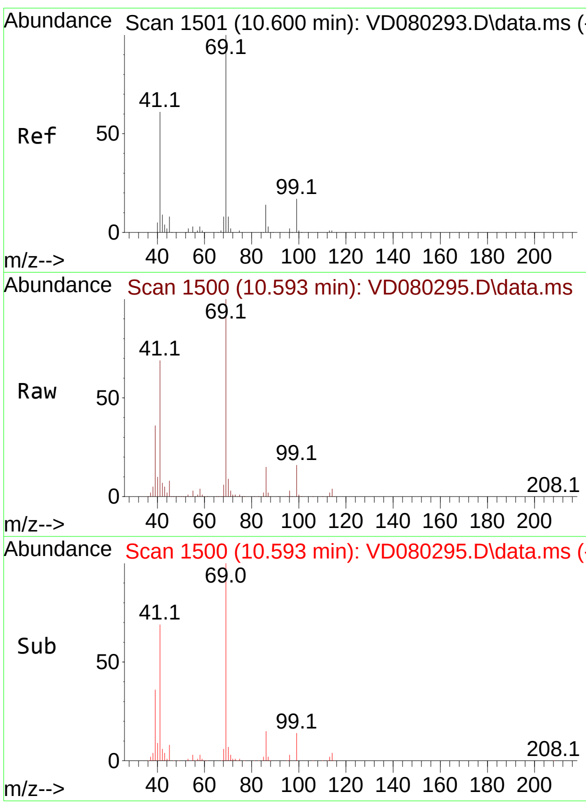
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 97 Resp: 19546

Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.0	106.4
85	56.6	44.9	67.3
99	61.1	46.9	70.3

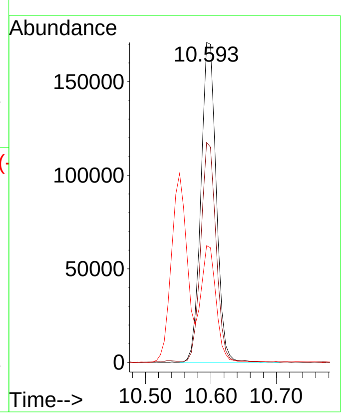


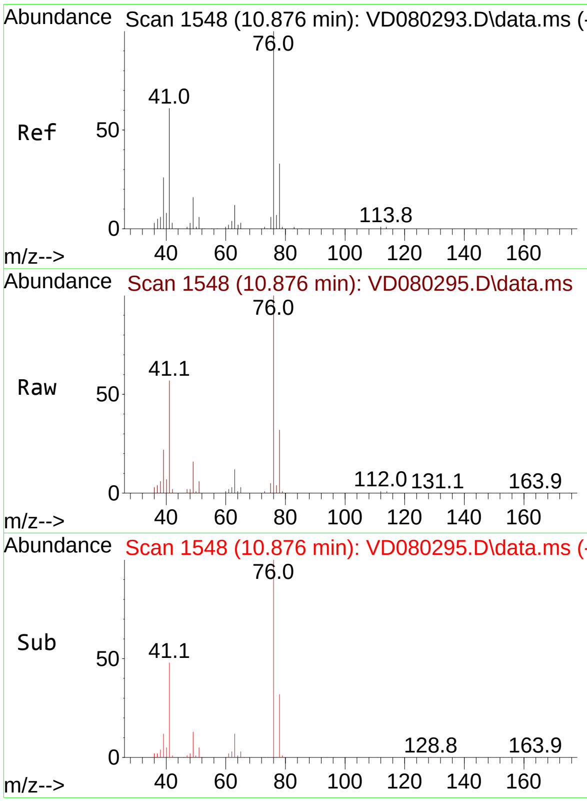


#56
Ethyl methacrylate
Concen: 176.988 ug/l
RT: 10.593 min Scan# 1500
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 69 Resp: 280751

Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.2	79.8
39	35.4	28.2	42.2





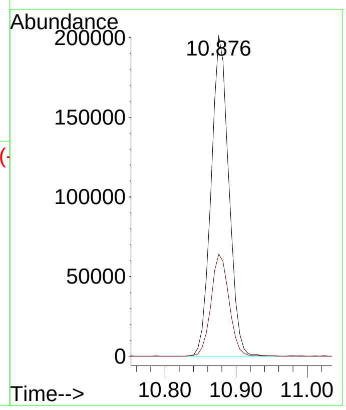
#57
1,3-Dichloropropane
Concen: 159.686 ug/l
RT: 10.876 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

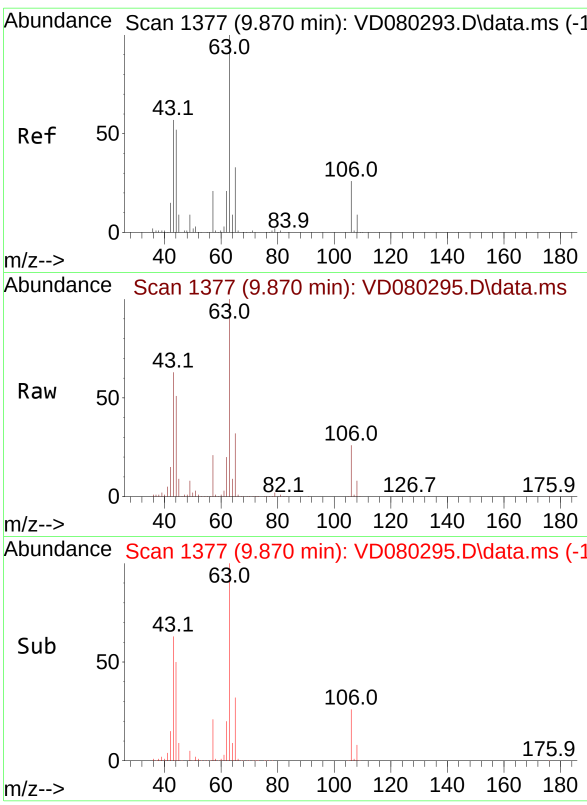
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 34742

Ion	Ratio	Lower	Upper
76	100		
78	32.4	27.2	40.8

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

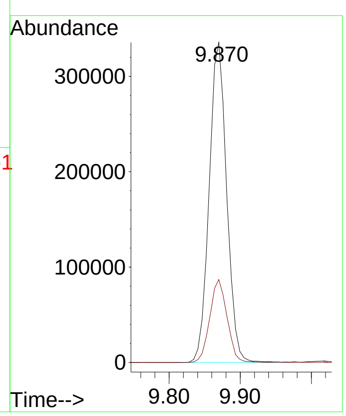


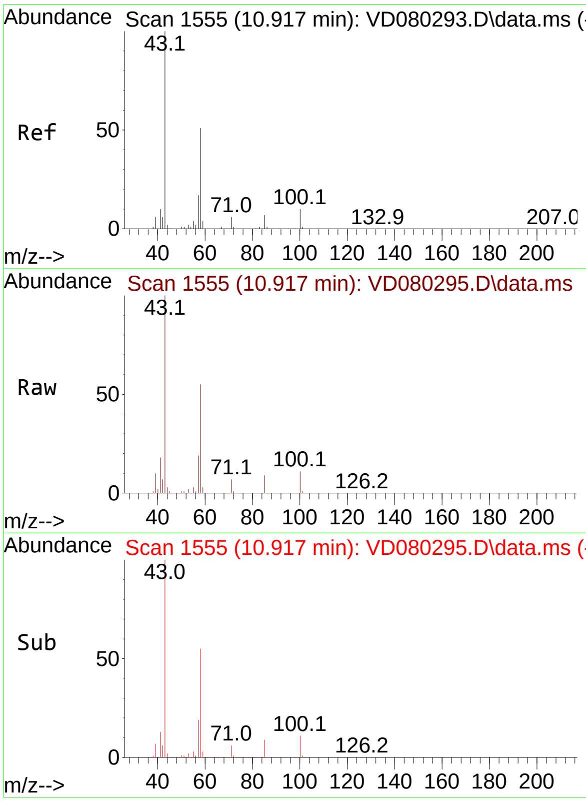


#58
2-Chloroethyl Vinyl ether
Concen: 885.167 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 63 Resp: 574624

Ion	Ratio	Lower	Upper
63	100		
106	25.5	20.8	31.2





#59
2-Hexanone
Concen: 842.800 ug/l
RT: 10.917 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 43 Resp: 64071

Ion	Ratio	Lower	Upper
43	100		
58	55.0	26.3	78.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
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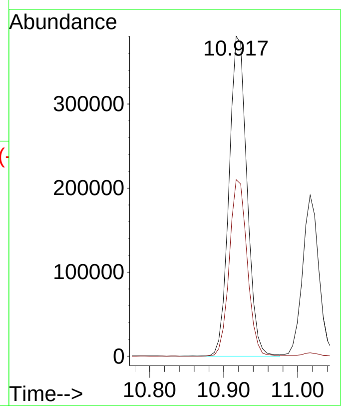
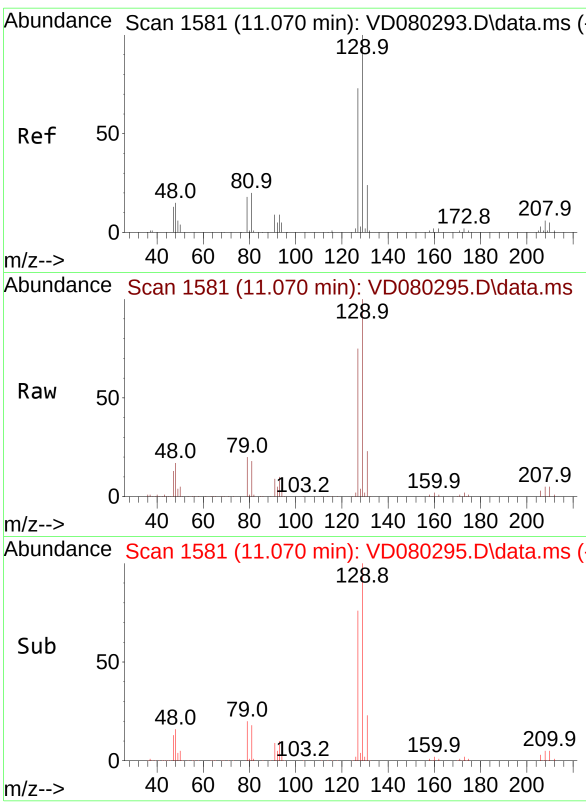
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

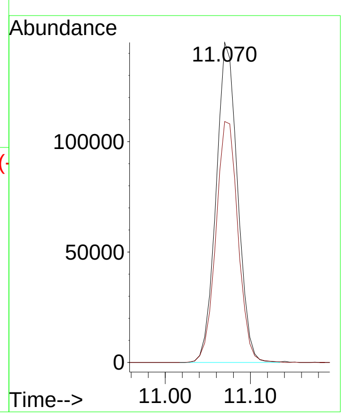




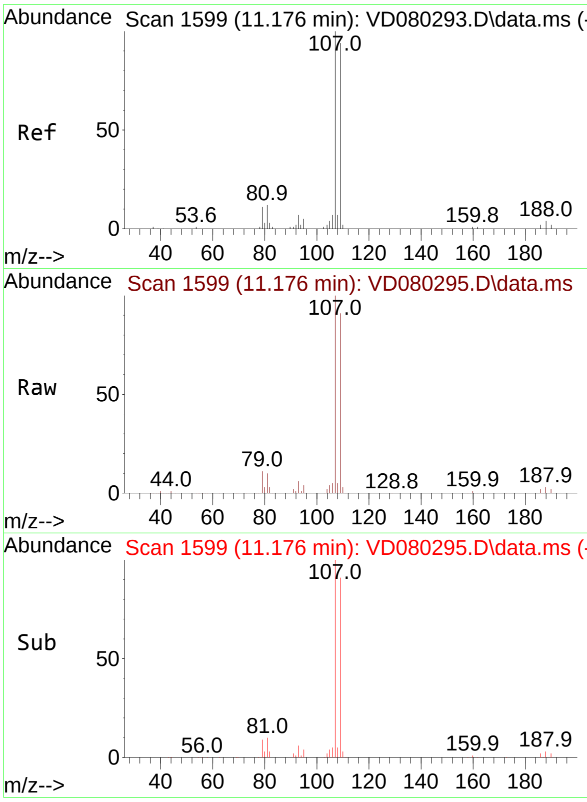
#60
Dibromochloromethane
Concen: 155.087 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:129 Resp: 254425

Ion	Ratio	Lower	Upper
129	100		
127	77.5	37.6	112.8



ICAL Form



#61
1,2-Dibromoethane
Concen: 153.372 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:107 Resp: 18617

Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.8	112.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
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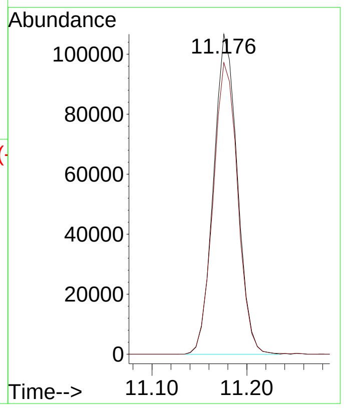
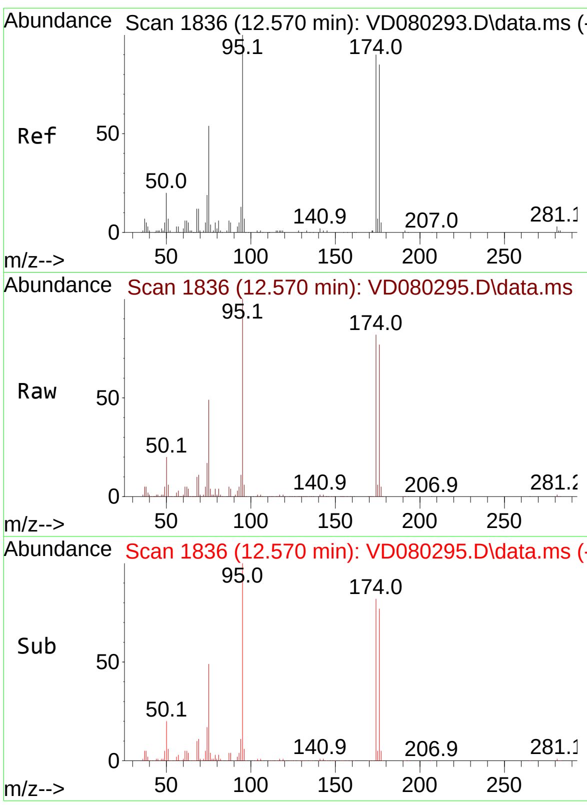
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

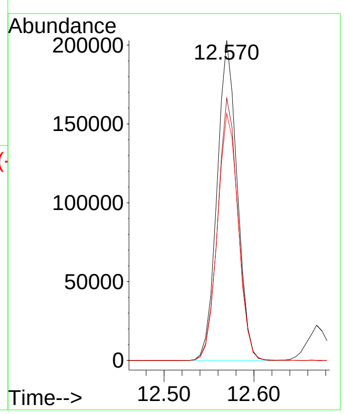


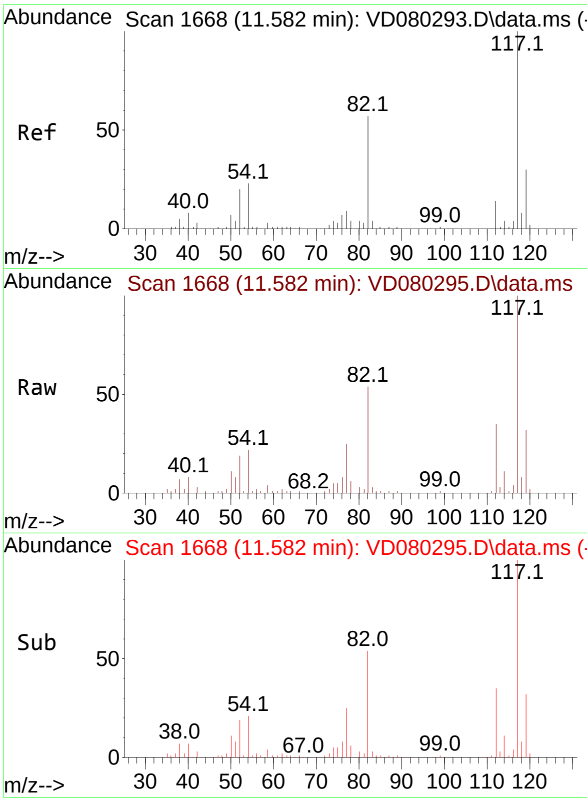


#62
4-Bromofluorobenzene
Concen: 164.875 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 95 Resp: 315579

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	170.0
176	79.7	0.0	167.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 21617

Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.5	68.3
119	32.3	24.0	36.0

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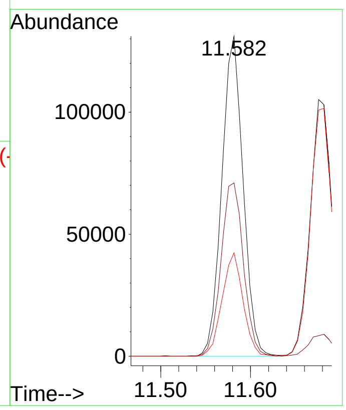
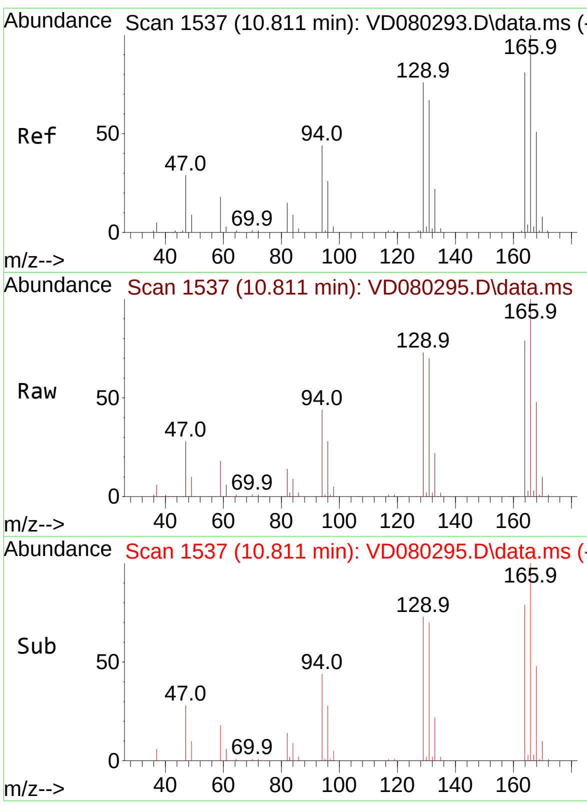
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

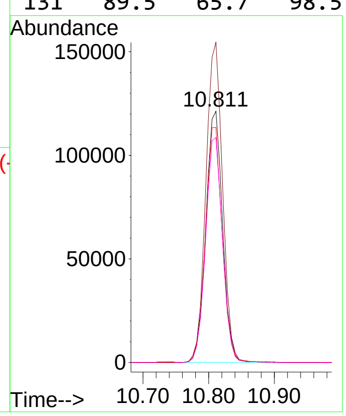


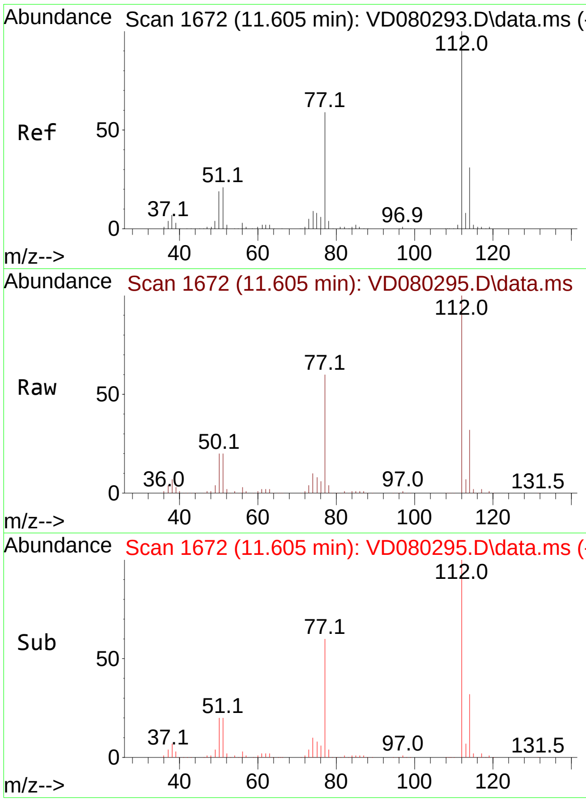


#64
Tetrachloroethene
Concen: 147.977 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:164 Resp: 216627

Ion	Ratio	Lower	Upper
164	100		
166	127.3	98.2	147.2
129	93.5	74.6	111.8
131	89.5	65.7	98.5





#65
Chlorobenzene
Concen: 150.636 ug/l
RT: 11.605 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 73529
Ion Ratio Lower Upper
112 100
114 32.0 24.4 36.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/07/2025
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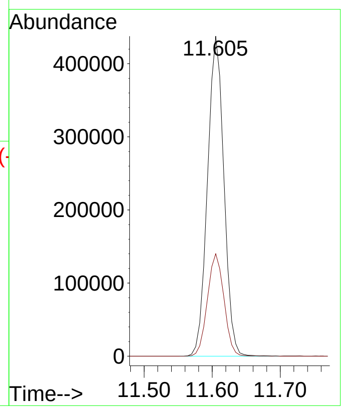
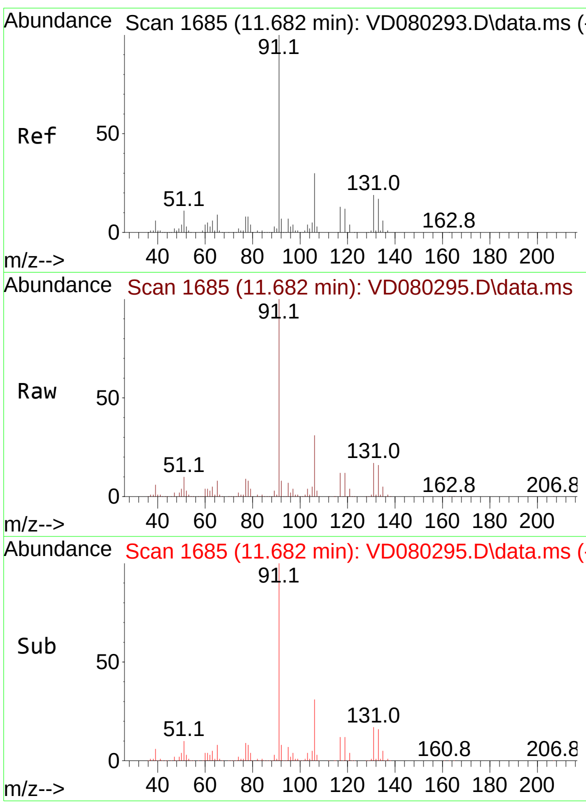
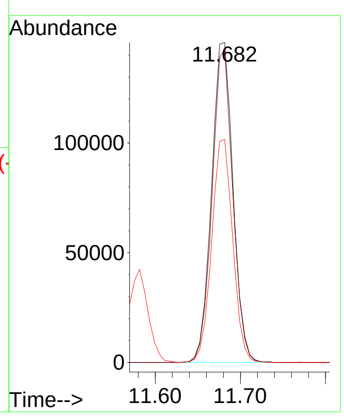
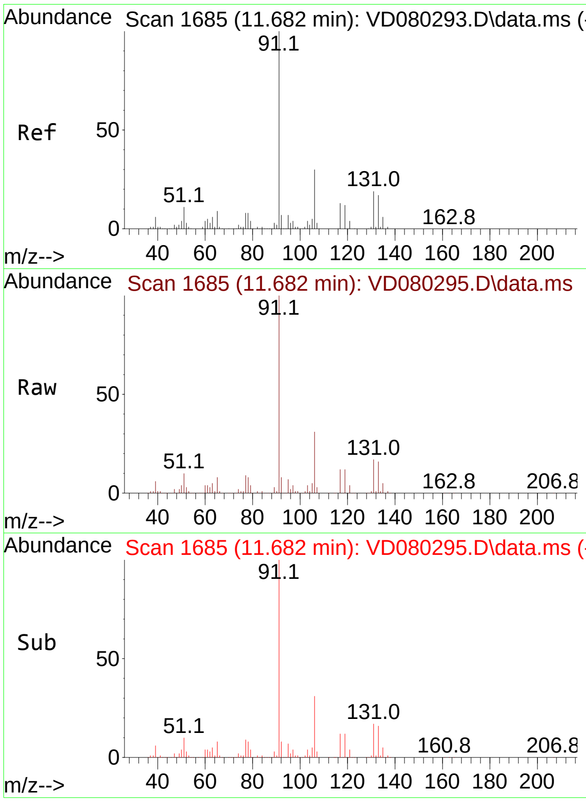




#66
1,1,1,2-Tetrachloroethane
Concen: 152.416 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:131 Resp: 255604
Ion Ratio Lower Upper
131 100
133 93.9 46.8 140.3
119 68.3 33.1 99.2





#67
Ethyl Benzene
Concen: 167.629 ug/l
RT: 11.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 91 Resp: 136737

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

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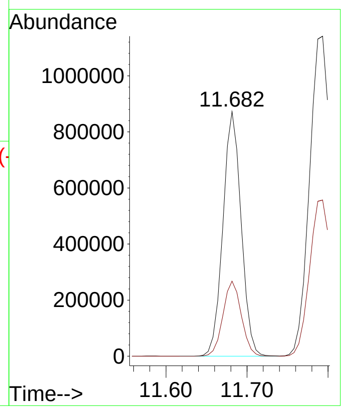
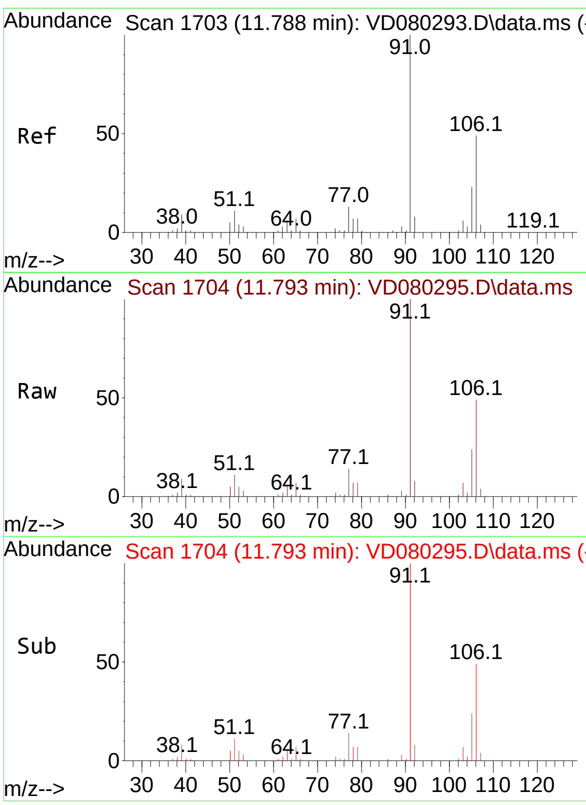
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

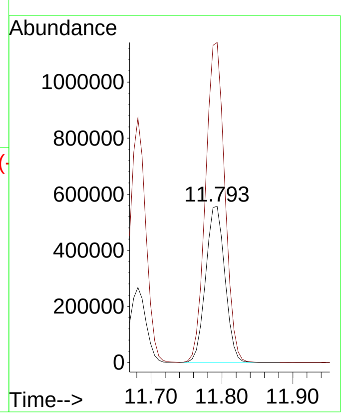




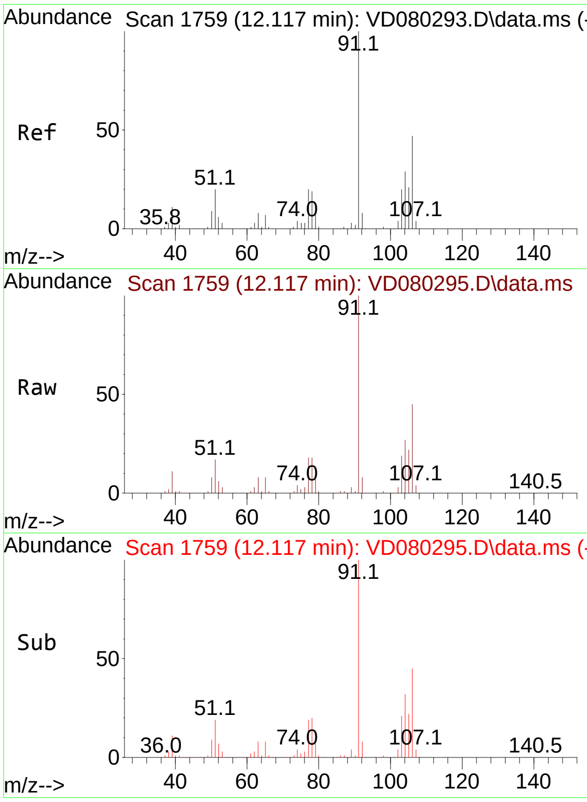
#68
m/p-Xylenes
Concen: 331.679 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:106 Resp: 1050519

Ion	Ratio	Lower	Upper
106	100		
91	204.2	164.1	246.1



ICAL Form



#69
o-Xylene
Concen: 169.538 ug/l
RT: 12.117 min Scan# 17
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 49068

Ion	Ratio	Lower	Upper
106	100		
91	217.5	109.3	328.1

Manual Integrations
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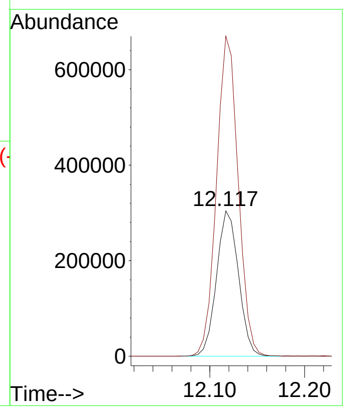
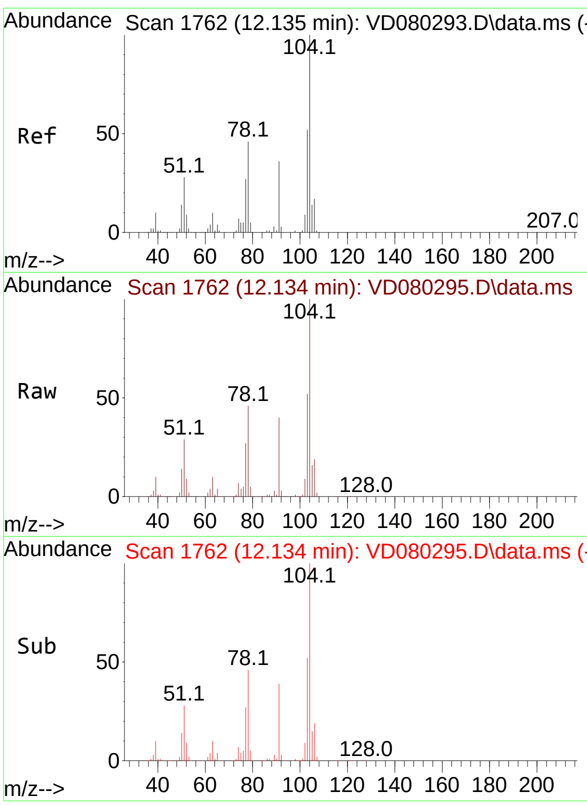
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

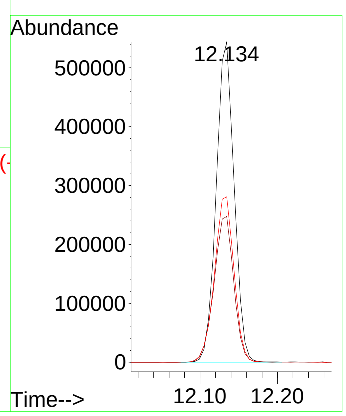




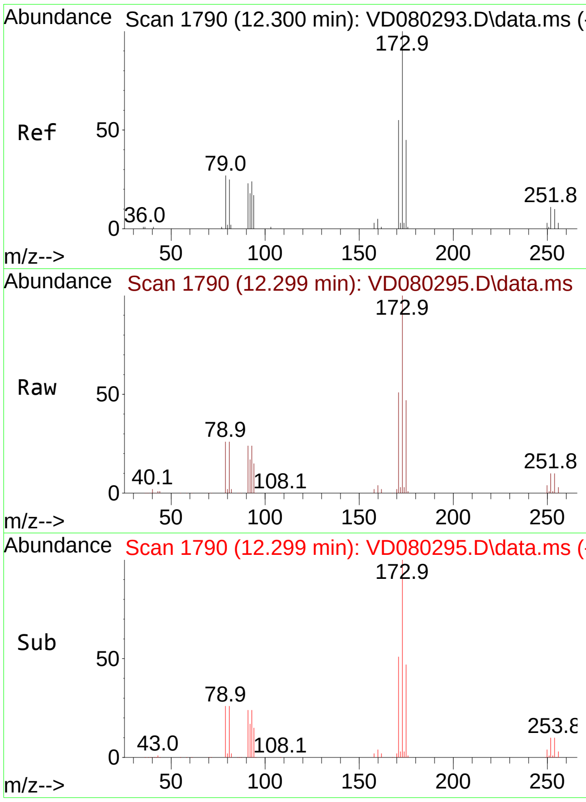
#70
Styrene
Concen: 168.597 ug/l
RT: 12.134 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:104 Resp: 876197

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.8	59.6
103	56.5	44.2	66.4



ICAL Form



#71
Bromoform
Concen: 150.268 ug/l
RT: 12.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 14972

Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.8	71.2
254	0.1	0.0	0.0

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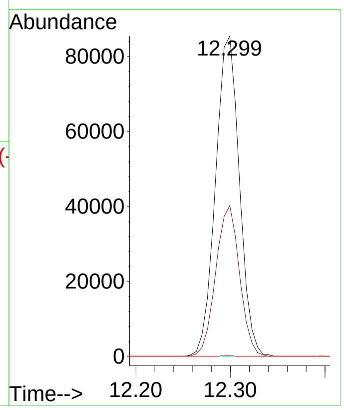
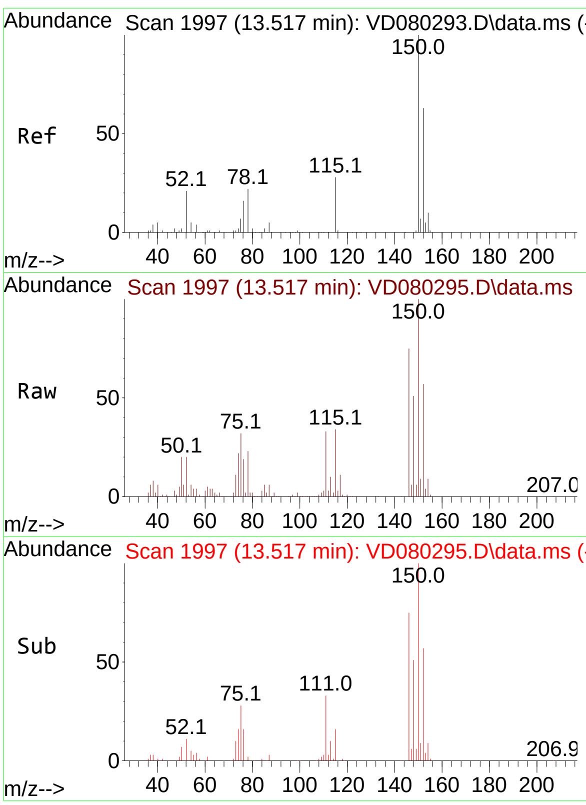
Supervised By :Semsettin Yesilyurt 05/07/2025

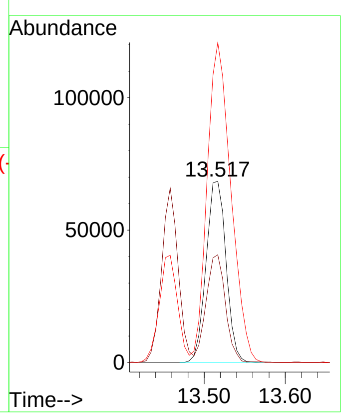




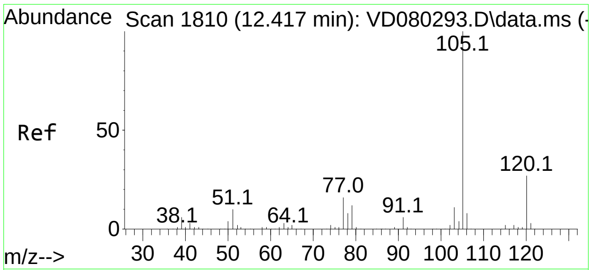
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

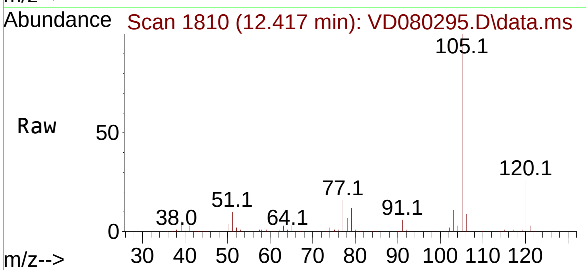
Tgt Ion:152 Resp: 117290

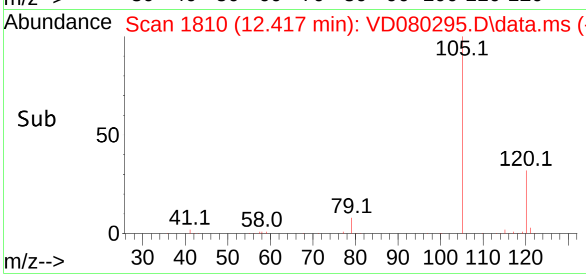
Ion	Ratio	Lower	Upper
152	100		
115	56.6	29.0	87.1
150	210.1	0.0	354.6



ICAL Form







#73
Isopropylbenzene
Concen: 165.329 ug/l
RT: 12.417 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:105 Resp: 125788

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

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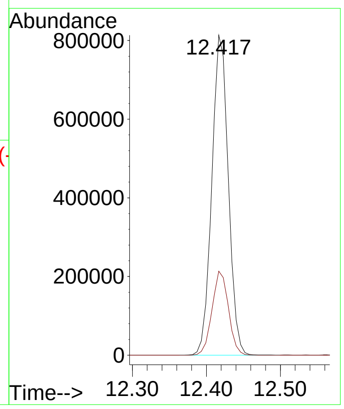
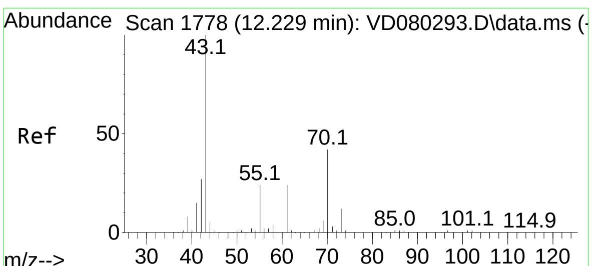
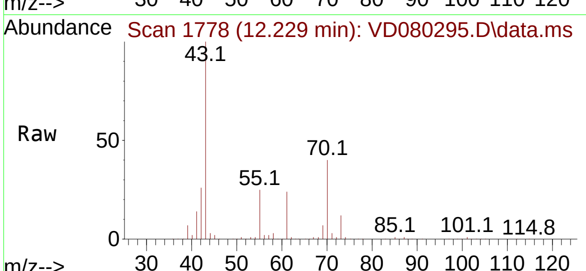
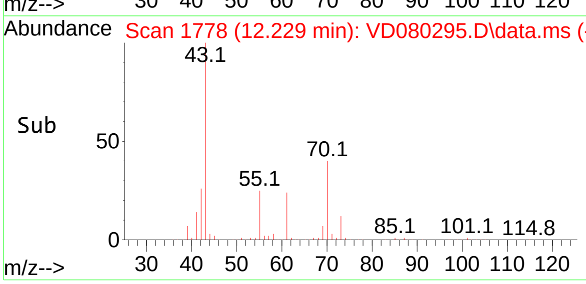
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





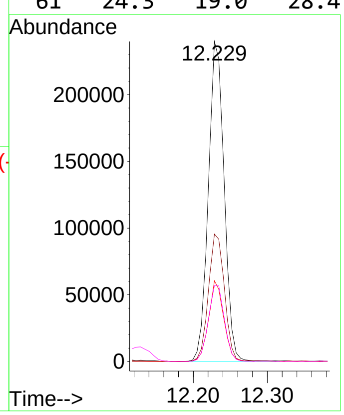




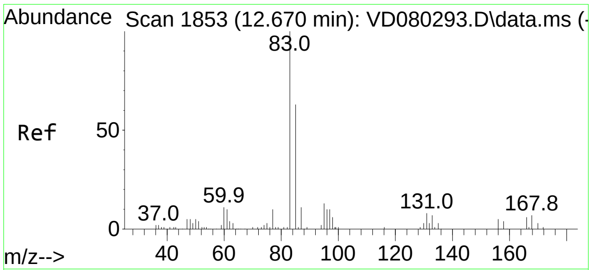
#74
N-amyl acetate
Concen: 163.445 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

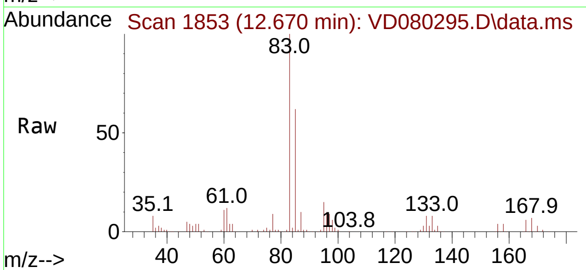
Tgt Ion: 43 Resp: 356910

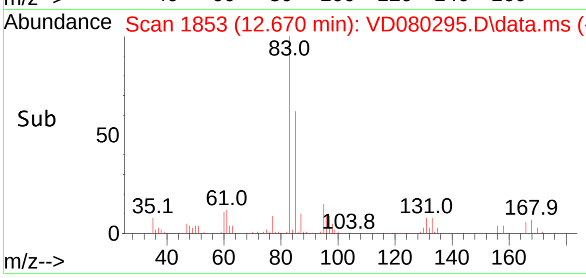
Ion	Ratio	Lower	Upper
43	100		
70	40.4	33.8	50.8
55	24.1	20.8	31.2
61	24.3	19.0	28.4



ICAL Form







#75
1,1,2,2-Tetrachloroethane
Concen: 144.272 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 24138

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.2	15.6
85	65.1	32.6	98.0

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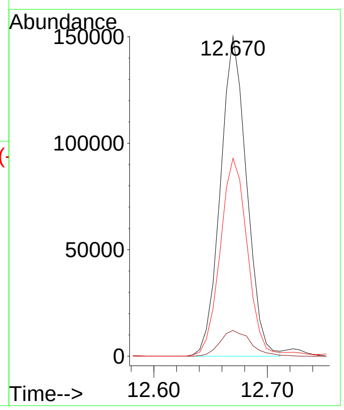
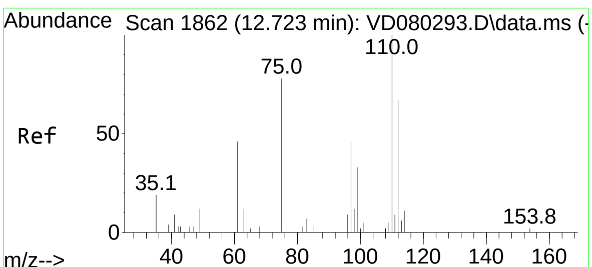
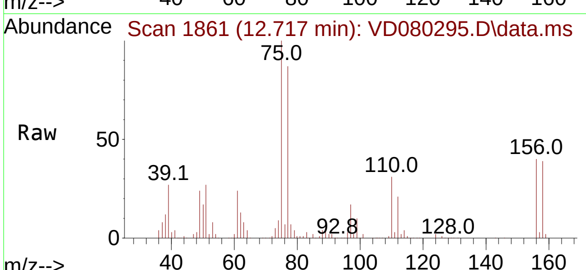
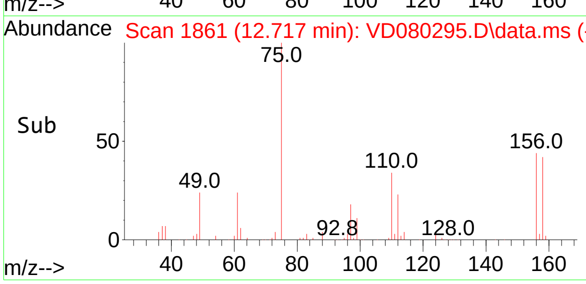




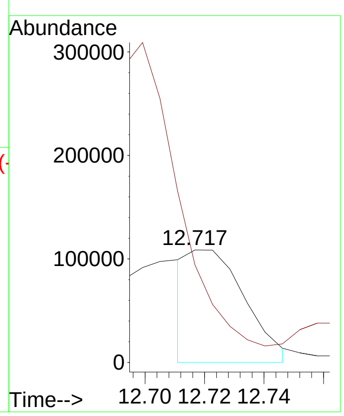


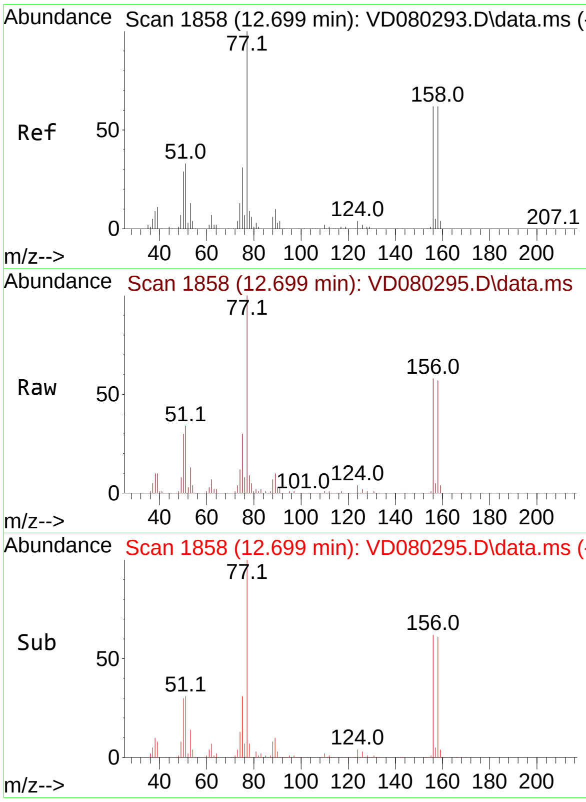


#76
1,2,3-Trichloropropane
Concen: 115.669 ug/l m
RT: 12.717 min Scan# 1861
Delta R.T. -0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 75 Resp: 143942

Ion	Ratio	Lower	Upper
75	100		
77	396.8	0.0	0.0#





#77
Bromobenzene
Concen: 153.435 ug/l
RT: 12.699 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

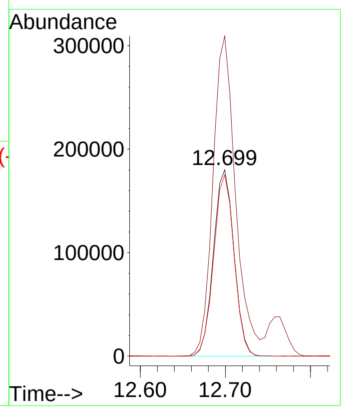
Tgt Ion:156 Resp: 30281

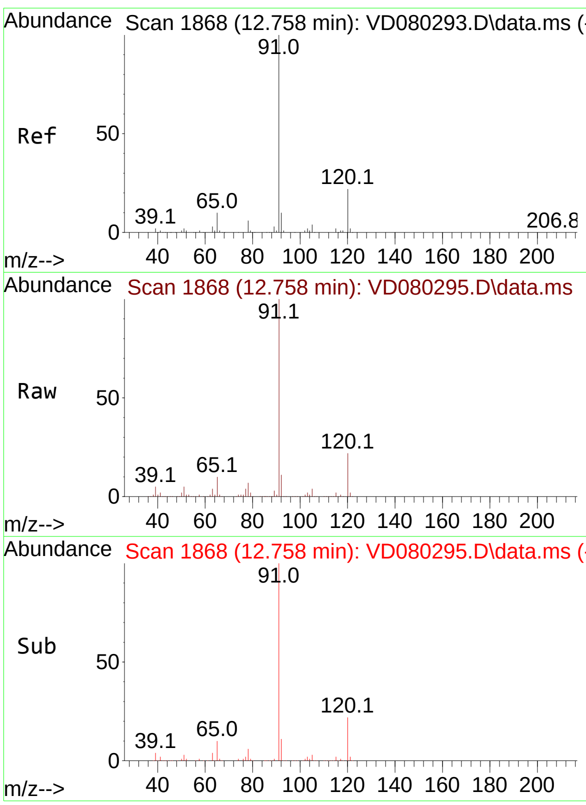
Ion	Ratio	Lower	Upper
156	100		
77	188.6	91.6	274.8
158	96.4	47.4	142.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

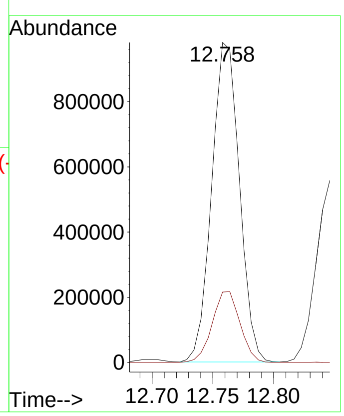




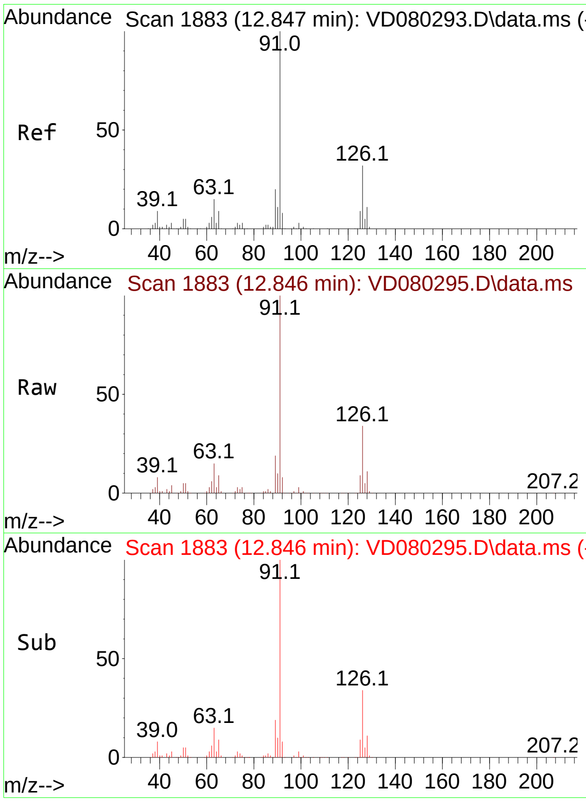
#78
n-propylbenzene
Concen: 162.748 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 91 Resp: 1553910

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0



ICAL Form



#79
2-Chlorotoluene
Concen: 159.970 ug/l
RT: 12.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 88843

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.2

Manual Integrations
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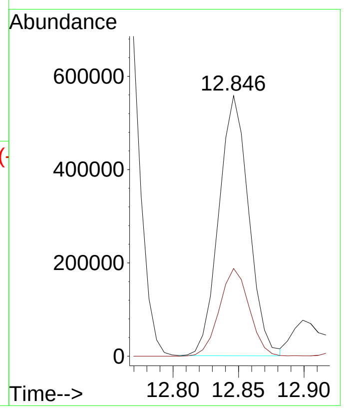
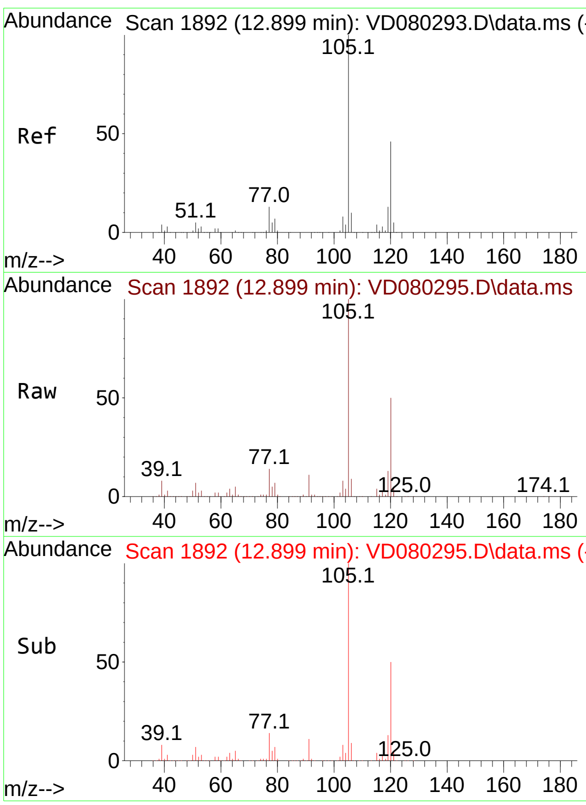
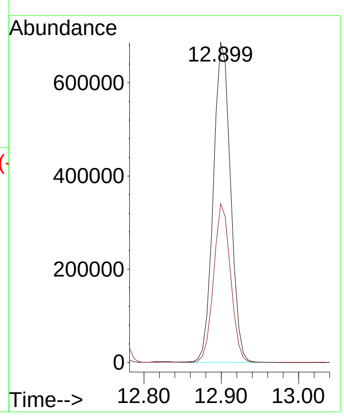


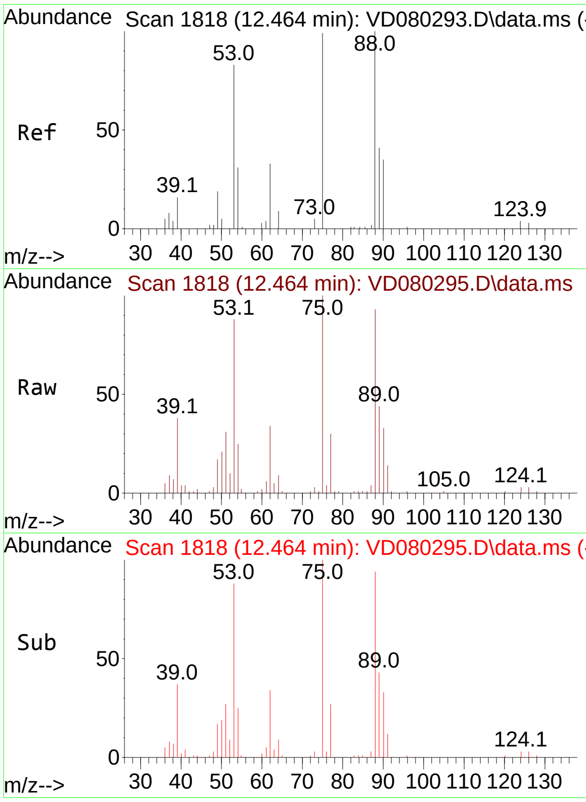


#80
1,3,5-Trimethylbenzene
Concen: 163.808 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:105 Resp: 1063005

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.9	71.8





#81
trans-1,4-Dichloro-2-butene
Concen: 155.284 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

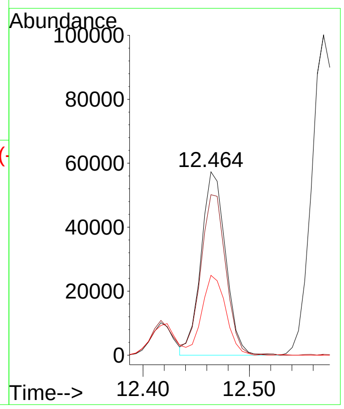
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

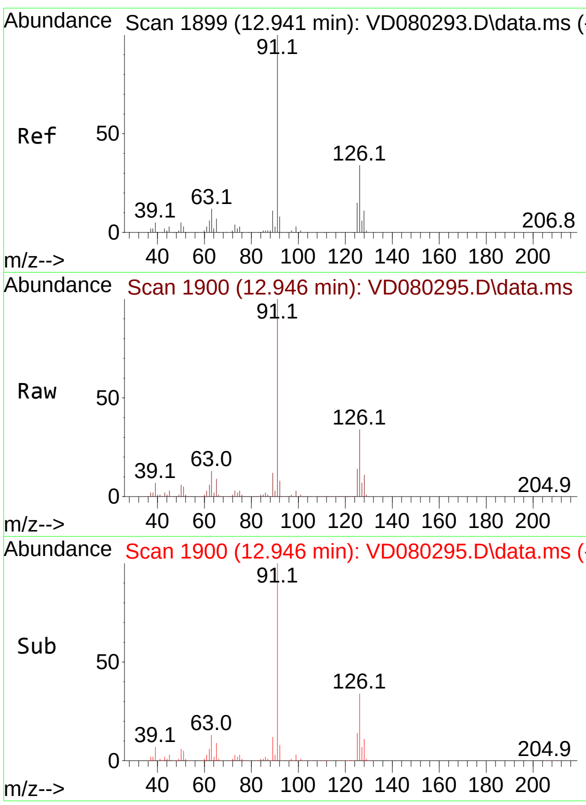
Tgt Ion: 75 Resp: 9260

Ion	Ratio	Lower	Upper
75	100		
53	89.1	70.8	106.2
89	42.1	35.9	53.9

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

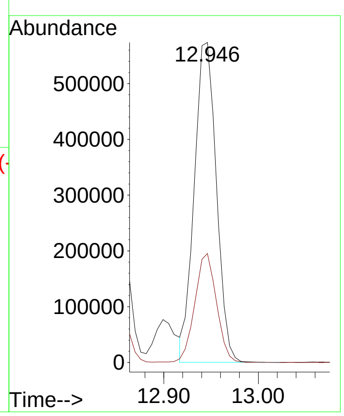




#82
4-Chlorotoluene
Concen: 155.571 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 91 Resp: 932651

Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.1	51.3

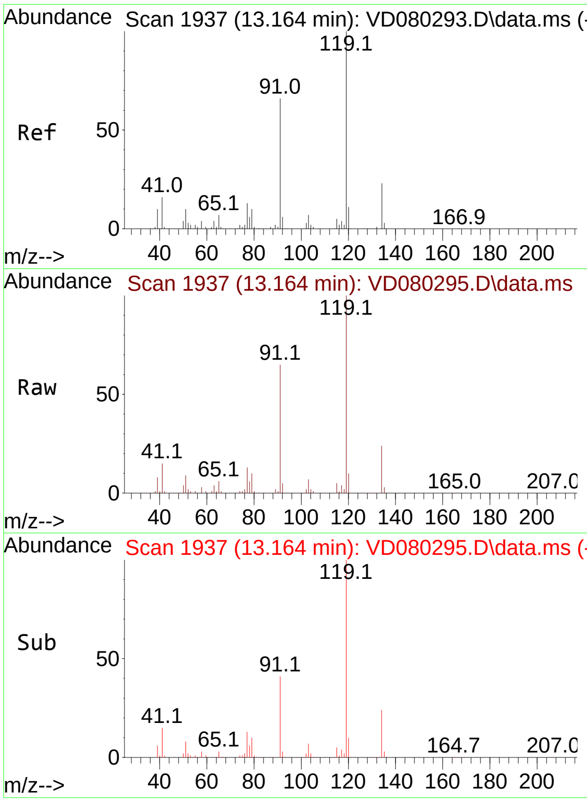


ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

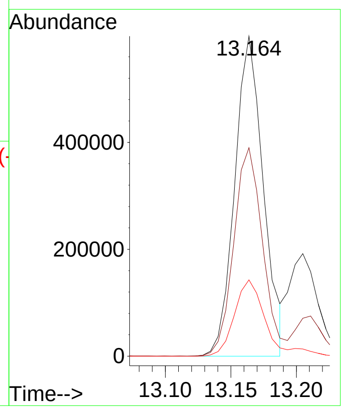
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

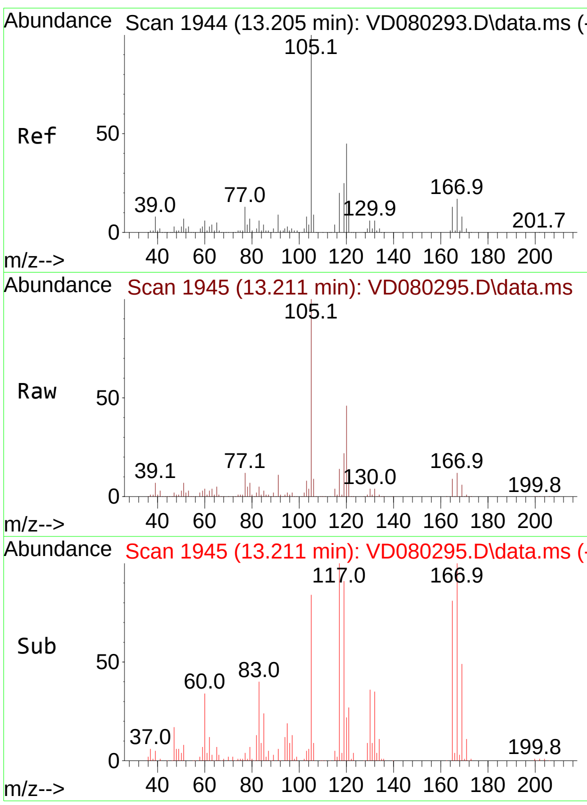


#83
tert-Butylbenzene
Concen: 168.039 ug/l
RT: 13.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:119 Resp: 90996

Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.3	99.8
134	26.1	13.3	39.9

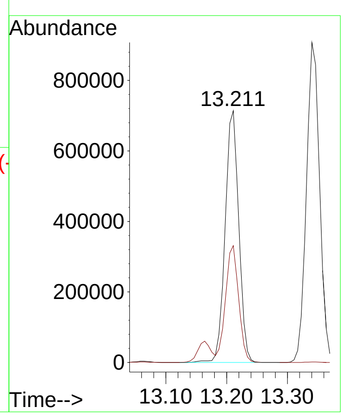




#84
1,2,4-Trimethylbenzene
Concen: 167.747 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

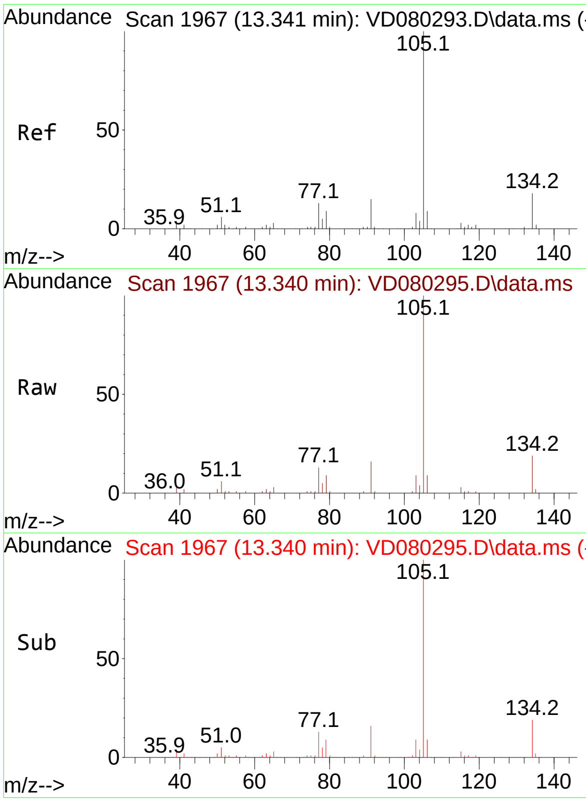
Tgt Ion:105 Resp: 1113780

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8



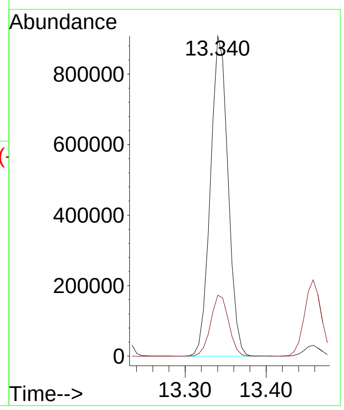
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

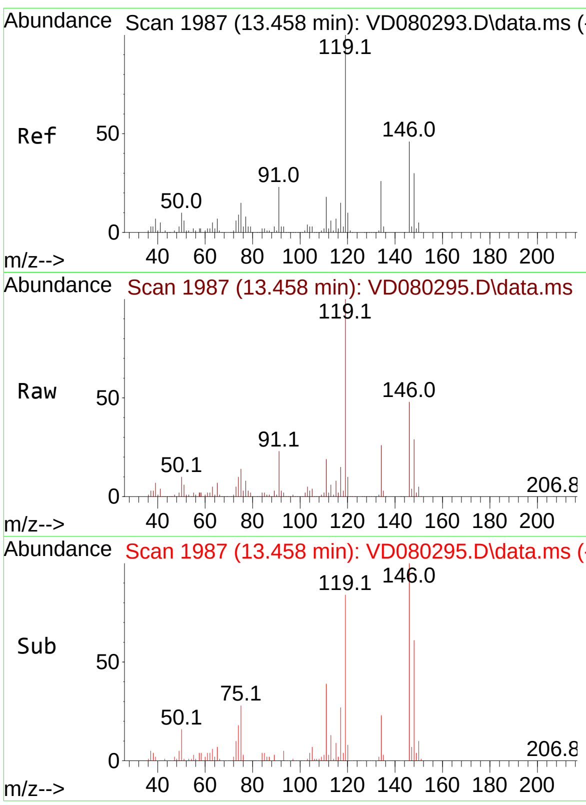
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#85
sec-Butylbenzene
Concen:  164.274 ug/l
RT:  13.340 min  Scan# 19
Delta R.T.  -0.000 min
Lab File:   VD080295.D
Acq: 06 May 2025  15:47

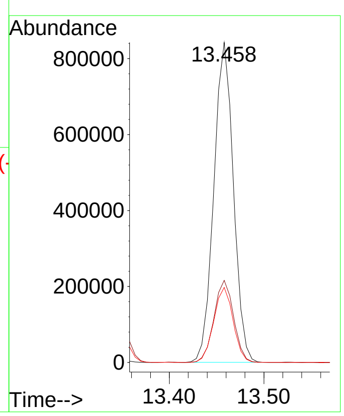
Tgt Ion:105 Resp: 137181
Ion  Ratio  Lower  Upper
105  100
134   19.4    9.6   28.8
```



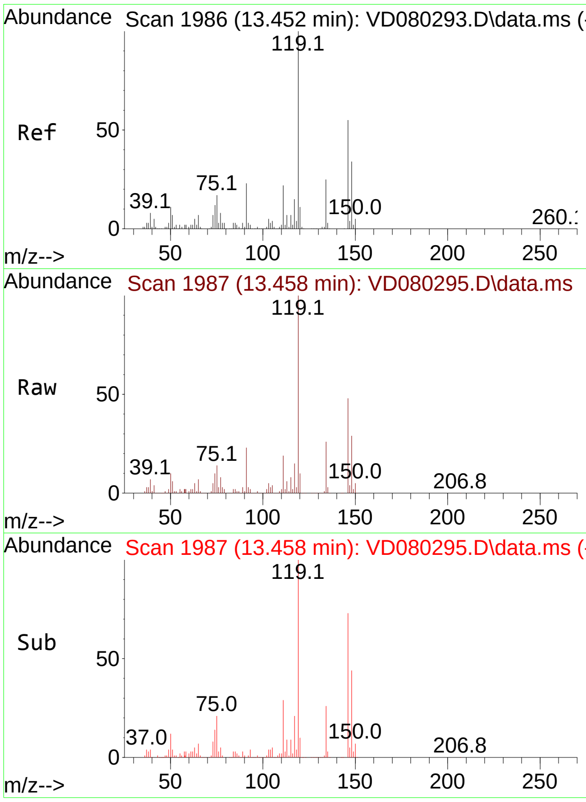



```
#86
p-Isopropyltoluene
Concen:  172.699 ug/l
RT:  13.458 min  Scan# 1987
Delta R.T.  -0.000 min
Lab File:   VD080295.D
Acq: 06 May 2025  15:47

Tgt Ion:119 Resp: 1212067
Ion  Ratio  Lower  Upper
119  100
134   25.8   12.8   38.4
 91   23.3   11.7   35.0
```



ICAL Form



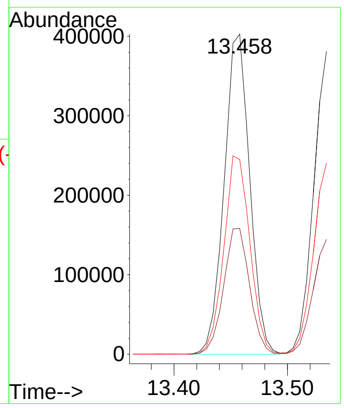
#87
1,3-Dichlorobenzene
Concen: 153.513 ug/l
RT: 13.458 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

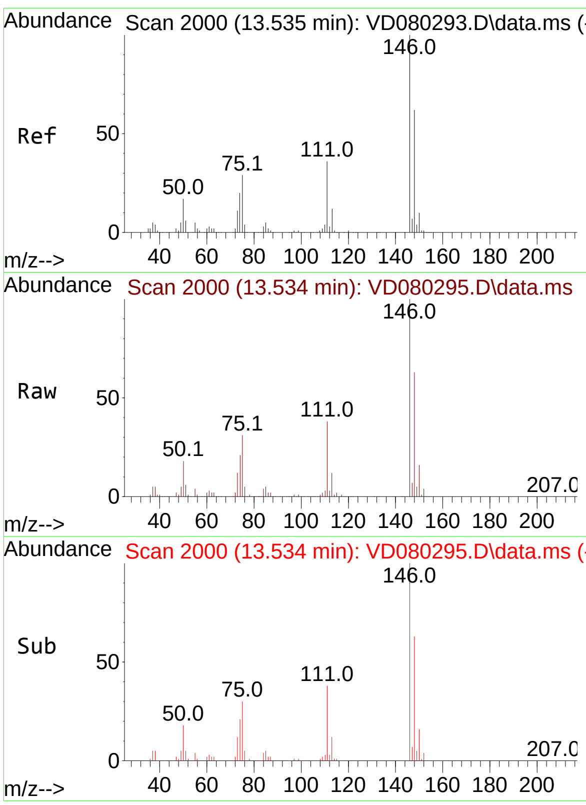
Tgt Ion:146 Resp: 63182

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	63.2	31.9	95.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

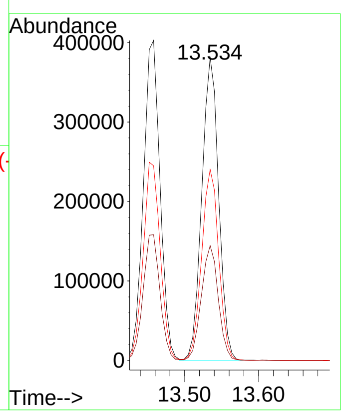




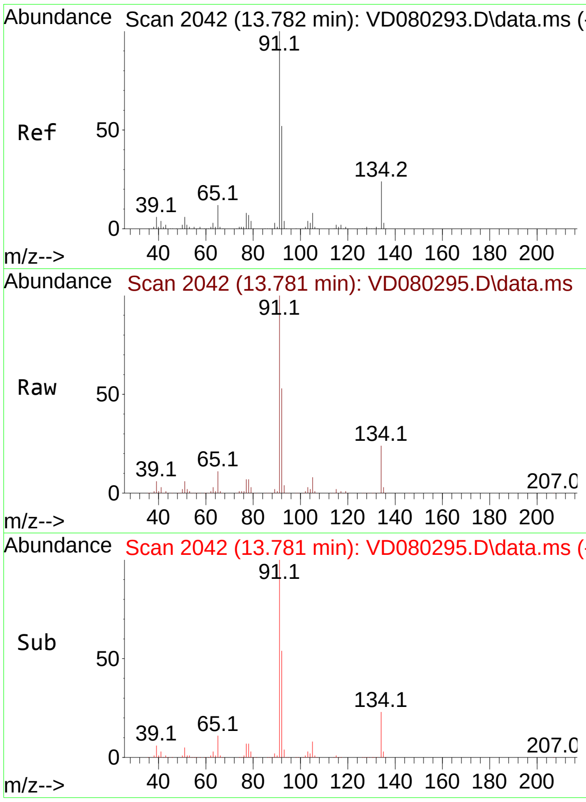
#88
1,4-Dichlorobenzene
Concen: 145.805 ug/l
RT: 13.534 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:146 Resp: 604977

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	63.8	31.4	94.0



ICAL Form



#89
n-Butylbenzene
Concen: 165.650 ug/l
RT: 13.781 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

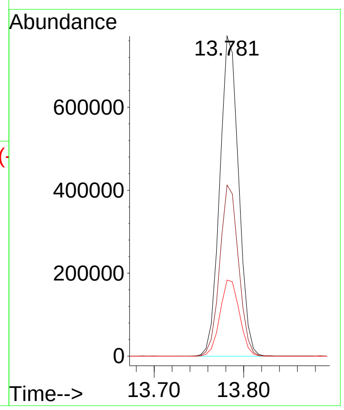
Tgt Ion: 91 Resp: 112857

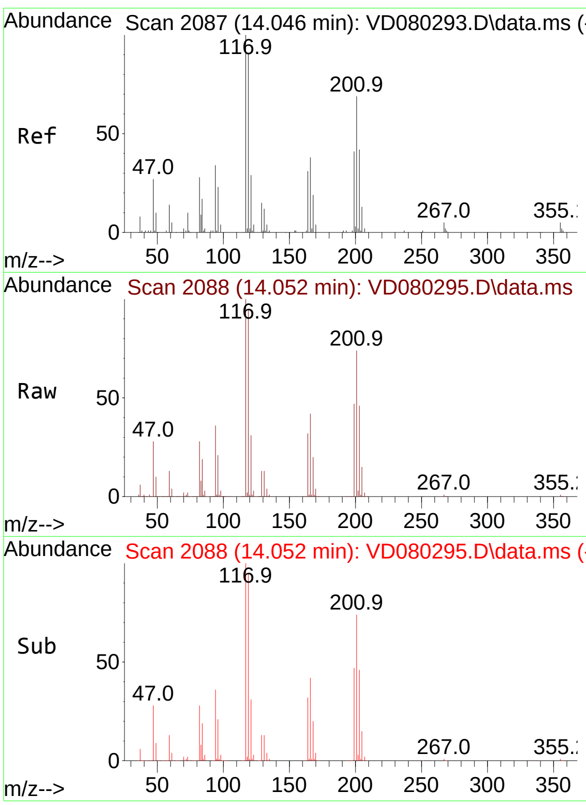
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.1	78.2
134	24.6	12.0	36.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

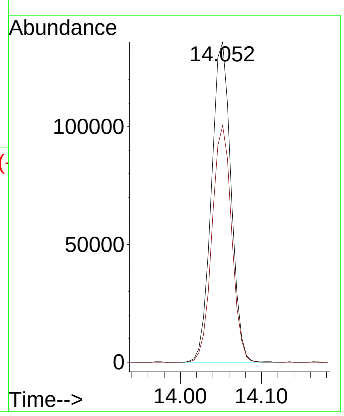


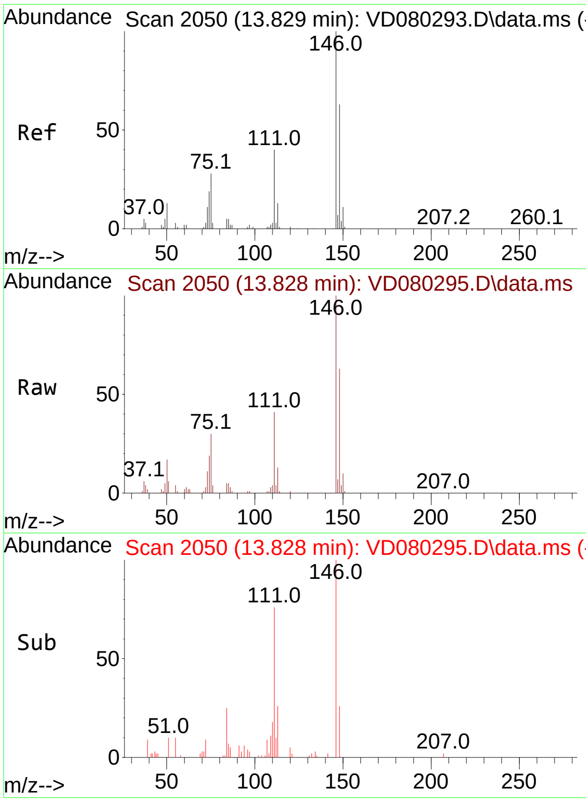


#90
Hexachloroethane
Concen: 146.847 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:117 Resp: 228036

Ion	Ratio	Lower	Upper
117	100		
201	73.9	36.9	110.6





#91
1,2-Dichlorobenzene
Concen: 150.086 ug/l
RT: 13.828 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

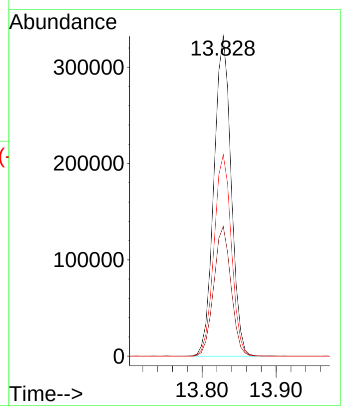
Tgt Ion:146 Resp: 53660

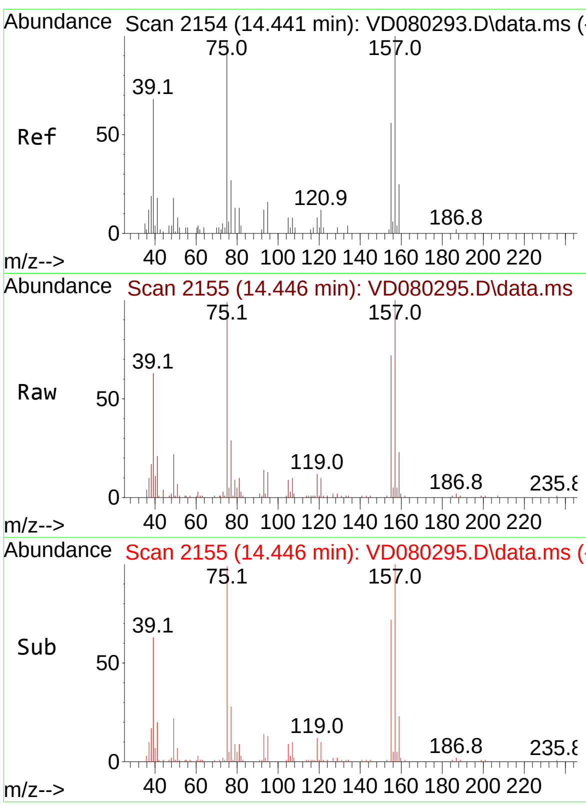
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.5
148	63.6	32.4	97.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

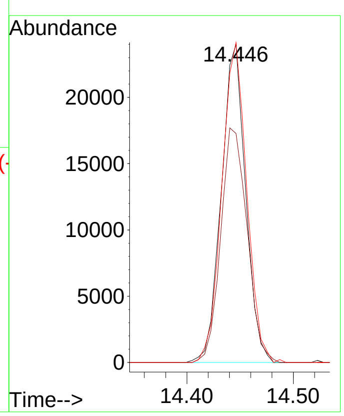




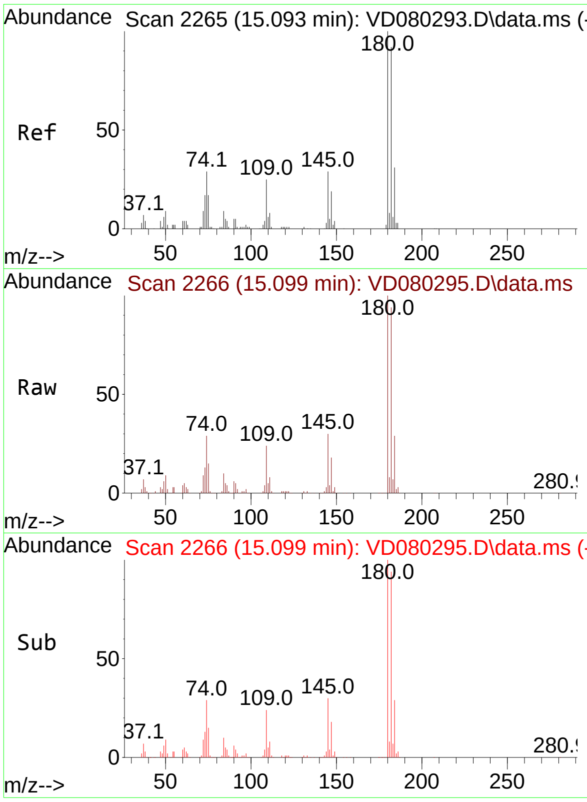
#92
1,2-Dibromo-3-Chloropropane
Concen: 142.685 ug/l
RT: 14.446 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion: 75 Resp: 38048

Ion	Ratio	Lower	Upper
75	100		
155	80.0	36.3	108.7
157	102.9	52.9	158.8



ICAL Form



#93
1,2,4-Trichlorobenzene
Concen: 154.127 ug/l
RT: 15.099 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

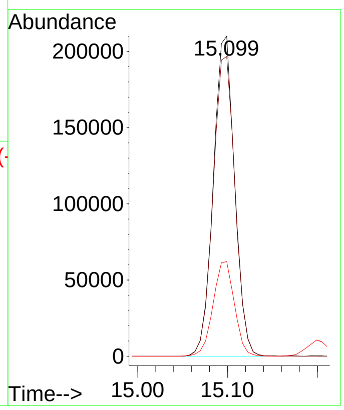
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

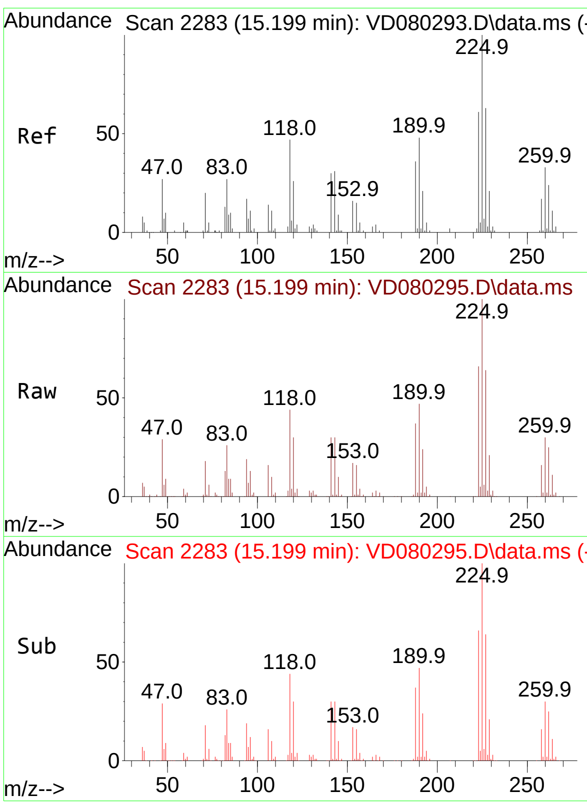
Tgt Ion:180 Resp: 34655

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.7	140.1
145	29.6	14.9	44.5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

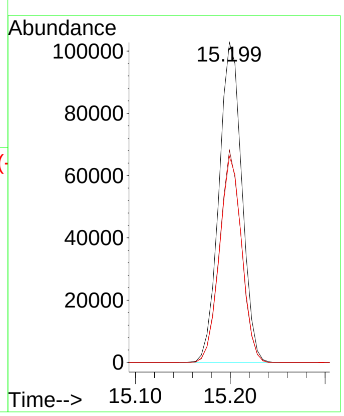


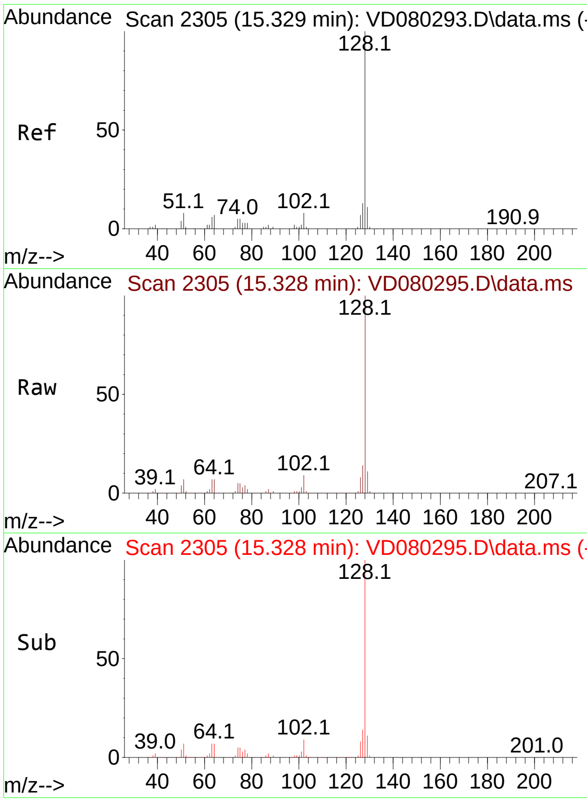


#94
Hexachlorobutadiene
Concen: 147.568 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025 15:47

Tgt Ion:225 Resp: 172620

Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.3	90.8
227	62.9	32.0	96.2





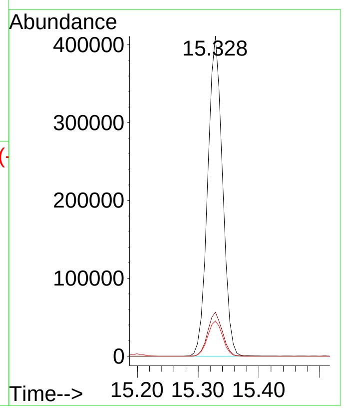
#95
Naphthalene
Concen: 165.045 ug/l
RT: 15.328 min   Scan# 2
Delta R.T.   -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025   15:47

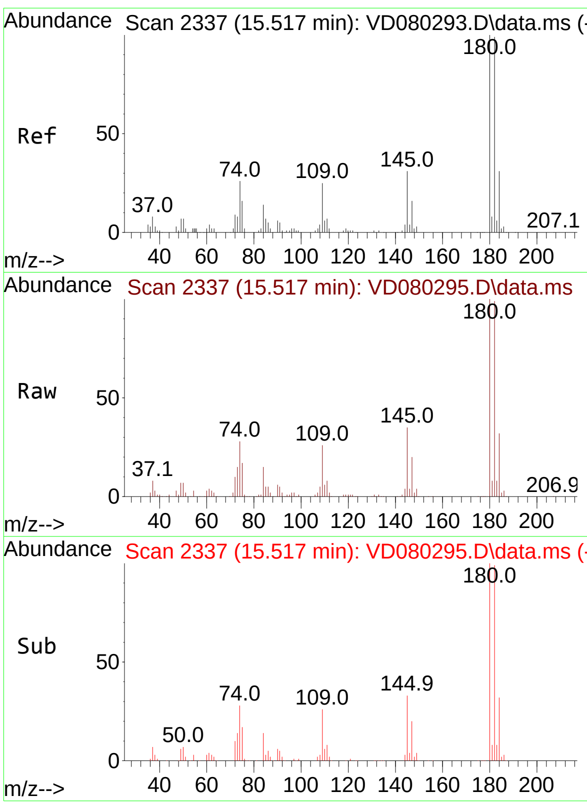
Tgt Ion:128 Resp: 69679

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.0	8.7	13.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

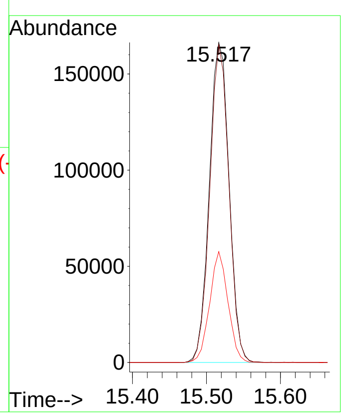




#96
1,2,3-Trichlorobenzene
Concen: 154.076 ug/l
RT: 15.517 min   Scan# 2337
Delta R.T.   -0.000 min
Lab File: VD080295.D
Acq: 06 May 2025   15:47

Tgt Ion:180 Resp: 309843

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	32.0	15.6	46.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	118569	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	203139	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.582	117	194714	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	105584	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.229	65	79985	52.165 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.340%		
35) Dibromofluoromethane	7.805	113	71600	52.589 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.180%		
50) Toluene-d8	10.270	98	277923	51.808 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.620%		
62) 4-Bromofluorobenzene	12.570	95	89935	52.232 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.460%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.935	85	45141	42.412 ug/l	97
3) Chloromethane	2.153	50	98635	48.244 ug/l	99
4) Vinyl Chloride	2.276	62	125016	40.558 ug/l	95
5) Bromomethane	2.682	94	91547	41.260 ug/l	99
6) Chloroethane	2.829	64	93264	42.793 ug/l	98
7) Trichlorofluoromethane	3.164	101	98696	41.757 ug/l	97
8) Diethyl Ether	3.594	74	33992	46.590 ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.959	101	58092	39.891 ug/l	98
10) Methyl Iodide	4.159	142	71935	48.458 ug/l	97
11) Tert butyl alcohol	5.070	59	21471	230.766 ug/l #	67
12) 1,1-Dichloroethene	3.935	96	59948	41.756 ug/l #	93
13) Acrolein	3.800	56	41542	253.759 ug/l	96
14) Allyl chloride	4.559	41	105709	46.816 ug/l	99
15) Acrylonitrile	5.253	53	82879	236.284 ug/l	99
16) Acetone	4.023	43	60747	258.617 ug/l	97
17) Carbon Disulfide	4.264	76	211120	42.347 ug/l #	95
18) Methyl Acetate	4.570	43	45817	46.179 ug/l	97
19) Methyl tert-butyl Ether	5.323	73	158777	50.341 ug/l	97
20) Methylene Chloride	4.800	84	81792	49.945 ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	71924	46.114 ug/l	97
22) Diisopropyl ether	6.217	45	232631	50.015 ug/l	97
23) Vinyl Acetate	6.158	43	682597	251.975 ug/l	99
24) 1,1-Dichloroethane	6.111	63	135265	46.215 ug/l	98
25) 2-Butanone	7.082	43	99493	235.833 ug/l	96
26) 2,2-Dichloropropane	7.070	77	103438	44.414 ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	84223	48.740 ug/l	97
28) Bromochloromethane	7.429	49	66229	48.599 ug/l	100
29) Tetrahydrofuran	7.447	42	67873	246.746 ug/l	98
30) Chloroform	7.594	83	138801	47.555 ug/l	99
31) Cyclohexane	7.882	56	104540	41.967 ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	110760	46.513 ug/l	96
36) 1,1-Dichloropropene	8.005	75	93576	45.987 ug/l	99
37) Ethyl Acetate	7.170	43	48162	45.264 ug/l	97
38) Carbon Tetrachloride	7.994	117	92465	43.572 ug/l	95
39) Methylcyclohexane	9.276	83	101426	42.956 ug/l	97
40) Benzene	8.252	78	296898	46.567 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	29896m	50.772	ug/l	
42) 1,2-Dichloroethane	8.323	62	85727	46.402	ug/l	100
43) Isopropyl Acetate	8.358	43	91434	47.388	ug/l #	85
44) Trichloroethene	9.029	130	67692	45.738	ug/l	94
45) 1,2-Dichloropropane	9.305	63	78183	47.814	ug/l	97
46) Dibromomethane	9.394	93	43272	48.605	ug/l	97
47) Bromodichloromethane	9.582	83	107105	47.399	ug/l	98
48) Methyl methacrylate	9.382	41	44954	49.035	ug/l	97
49) 1,4-Dioxane	9.382	88	10772	1017.706	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	251827	253.309	ug/l	100
52) Toluene	10.335	92	184689	48.083	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	98185	47.662	ug/l	96
54) cis-1,3-Dichloropropene	10.017	75	113369	47.491	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	54307	46.116	ug/l	97
56) Ethyl methacrylate	10.599	69	70970	49.734	ug/l	99
57) 1,3-Dichloropropane	10.882	76	95096	48.588	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	164692	282.016	ug/l	99
59) 2-Hexanone	10.917	43	172755	252.611	ug/l	98
60) Dibromochloromethane	11.070	129	72084	48.844	ug/l	99
61) 1,2-Dibromoethane	11.176	107	51167	46.857	ug/l	97
64) Tetrachloroethene	10.805	164	58530	44.389	ug/l	97
65) Chlorobenzene	11.605	112	199654	45.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.682	131	69446	45.976	ug/l	99
67) Ethyl Benzene	11.682	91	344626	46.906	ug/l	99
68) m/p-Xylenes	11.793	106	270374	94.775	ug/l	100
69) o-Xylene	12.117	106	126290	48.445	ug/l	95
70) Styrene	12.135	104	228204	48.751	ug/l	99
71) Bromoform	12.299	173	41060	45.753	ug/l #	97
73) Isopropylbenzene	12.417	105	314338	45.895	ug/l	99
74) N-amyl acetate	12.229	43	92622	47.118	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	67618	44.895	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	50539m	49.595	ug/l	
77) Bromobenzene	12.699	156	81142	45.673	ug/l	97
78) n-propylbenzene	12.758	91	401350	46.696	ug/l	100
79) 2-Chlorotoluene	12.846	91	234241	46.853	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	278265	47.634	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	24662	45.939	ug/l	98
82) 4-Chlorotoluene	12.946	91	251073	46.524	ug/l	100
83) tert-Butylbenzene	13.164	119	227435	46.656	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	289078	48.365	ug/l	100
85) sec-Butylbenzene	13.340	105	350459	46.620	ug/l	100
86) p-Isopropyltoluene	13.458	119	300526	47.567	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	169779	45.824	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	166704	44.632	ug/l	98
89) n-Butylbenzene	13.782	91	279673	45.601	ug/l	98
90) Hexachloroethane	14.052	117	63410	45.361	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	148574	46.163	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11070	46.117	ug/l	94
93) 1,2,4-Trichlorobenzene	15.093	180	92411	45.656	ug/l	100
94) Hexachlorobutadiene	15.199	225	44621	42.374	ug/l	96
95) Naphthalene	15.329	128	176588	46.464	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	82498	45.572	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 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 (QT Reviewed)

ICAL Form

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On    : 06 May 2025  16:43
Operator  : RP/MD
Sample    : VSTDICV050
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 03:36:54 2025
Response via : Initial Calibration
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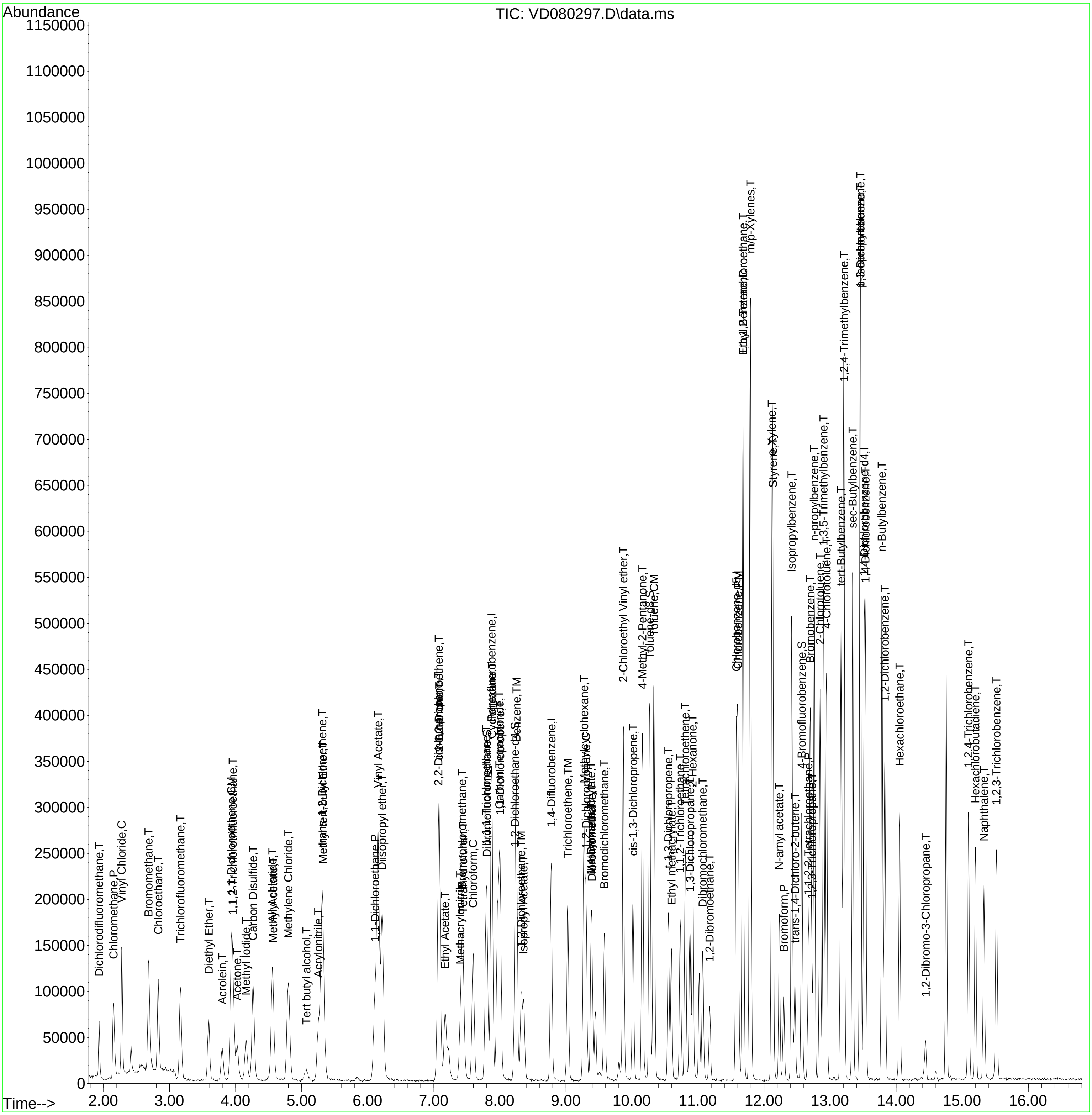
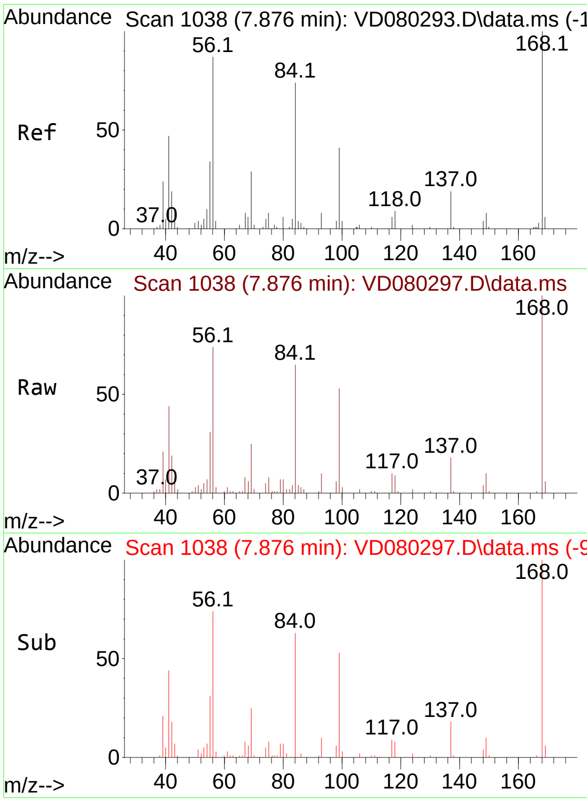
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





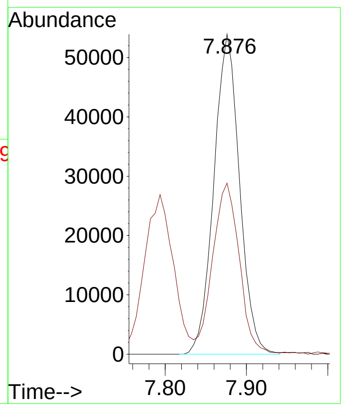
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

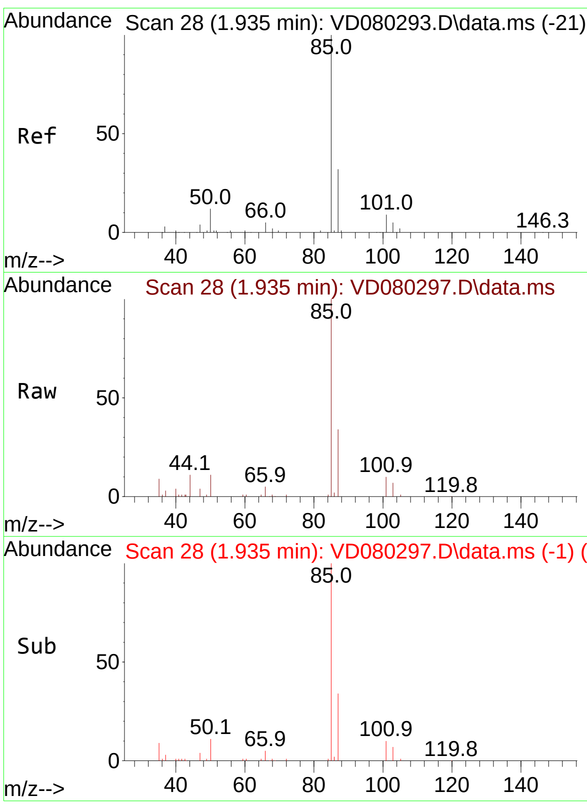
Tgt Ion:168 Resp: 11856

Ion	Ratio	Lower	Upper
168	100		
99	52.9	46.4	69.6

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

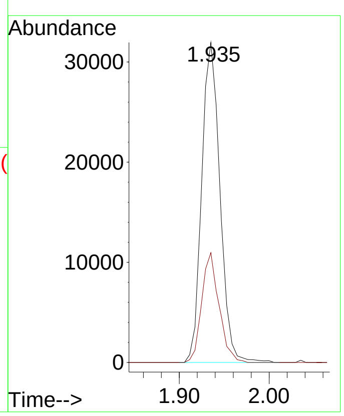




#2
Dichlorodifluoromethane
Concen: 42.412 ug/l
RT: 1.935 min   Scan# 28
Delta R.T.   0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Tgt Ion: 85 Resp: 45141

Ion	Ratio	Lower	Upper
85	100		
87	34.3	16.2	48.6



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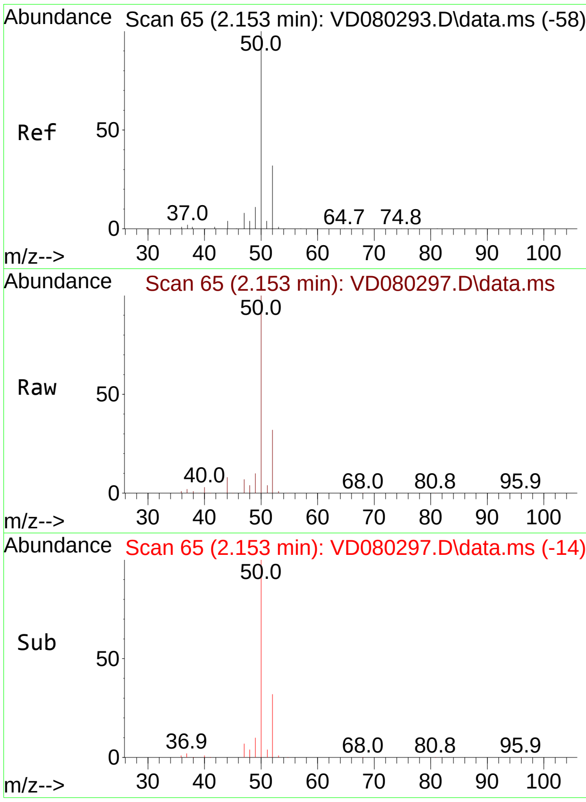


#3
Chloromethane
Concen: 48.244 ug/l
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

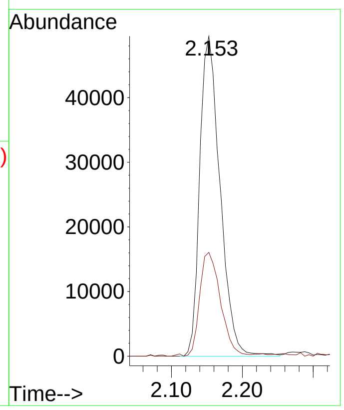
Tgt Ion: 50 Resp: 9863

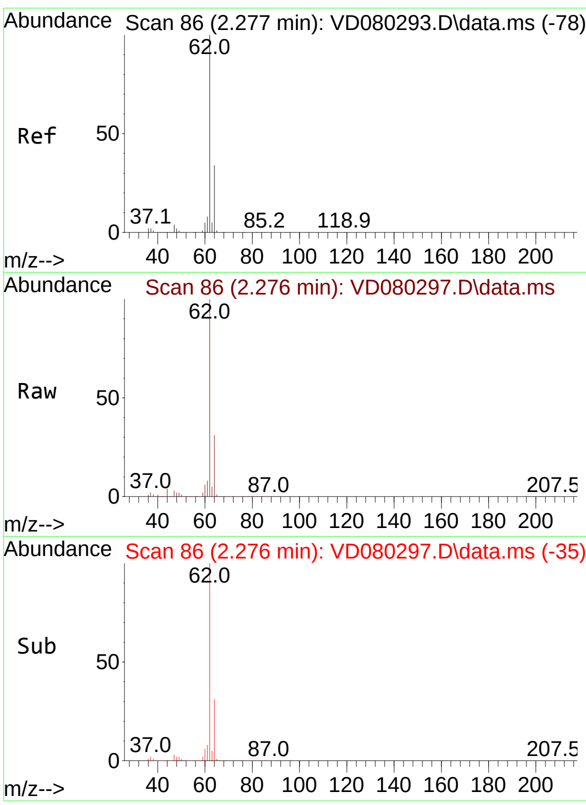
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.7	38.5

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

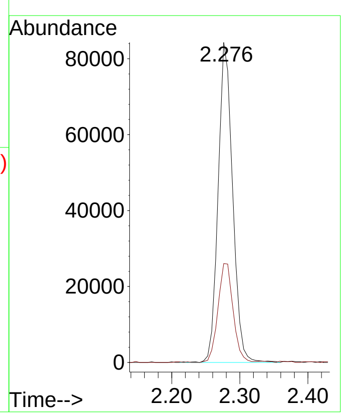


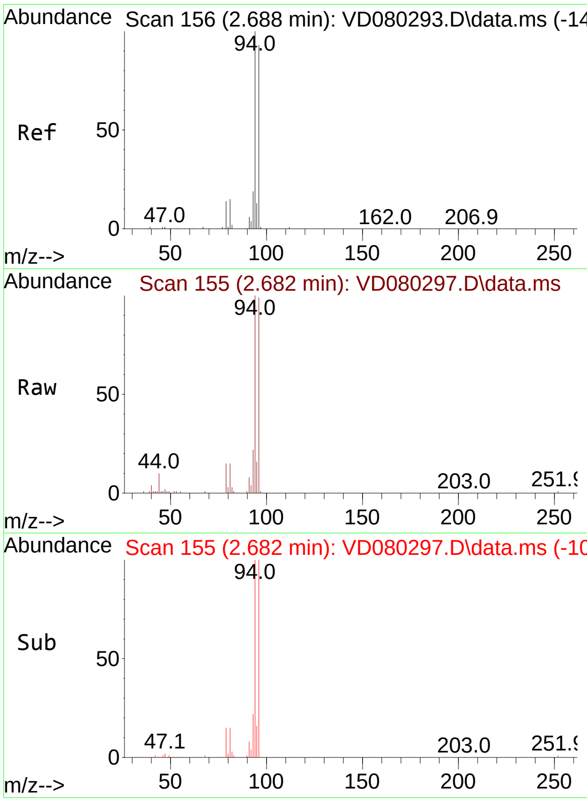


#4
Vinyl Chloride
Concen: 40.558 ug/l
RT: 2.276 min Scan# 86
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 62 Resp: 125016

Ion	Ratio	Lower	Upper
62	100		
64	30.7	26.9	40.3





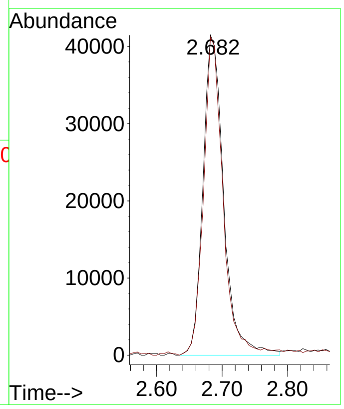
#5
Bromomethane
Concen: 41.260 ug/l
RT: 2.682 min Scan# 1!
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

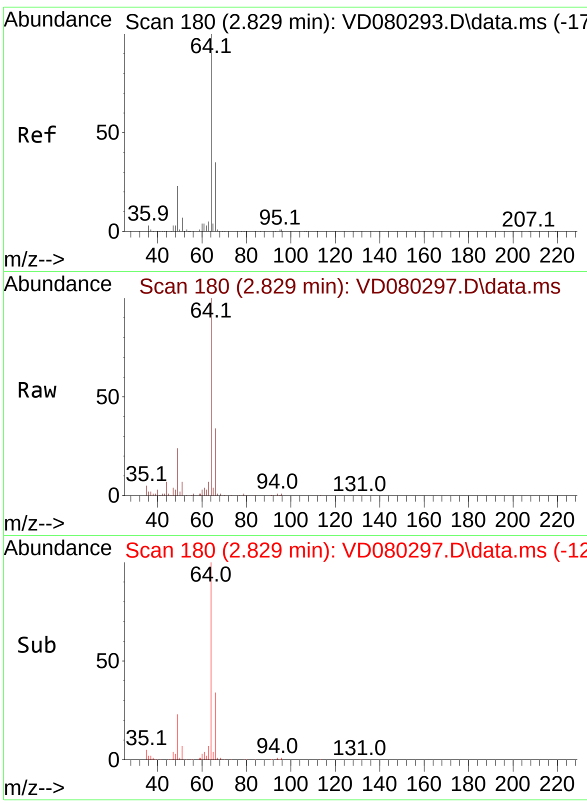
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion: 94 Resp: 9154

Ion	Ratio	Lower	Upper
94	100		
96	92.4	74.6	112.0

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

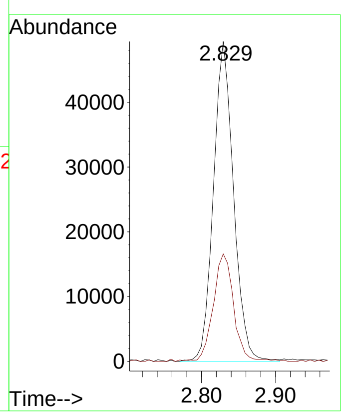




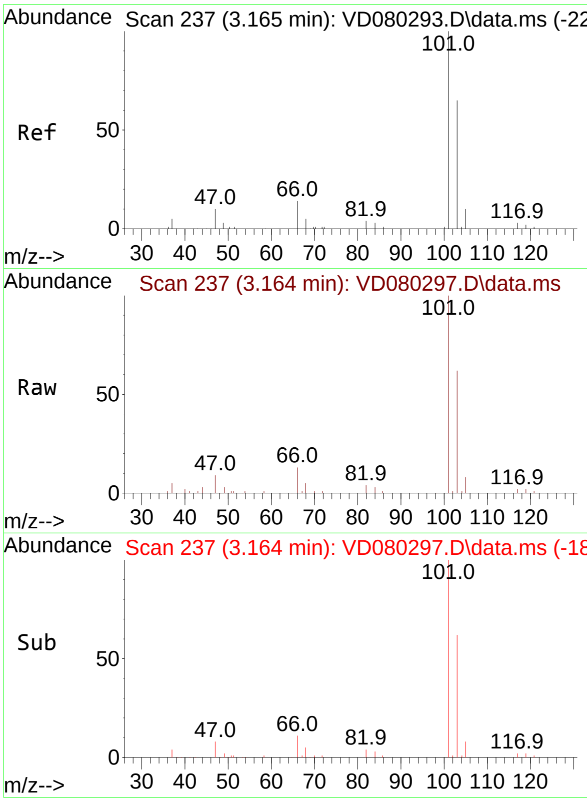
#6
Chloroethane
Concen: 42.793 ug/l
RT: 2.829 min Scan# 180
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 64 Resp: 93264

Ion	Ratio	Lower	Upper
64	100		
66	33.3	27.7	41.5



ICAL Form



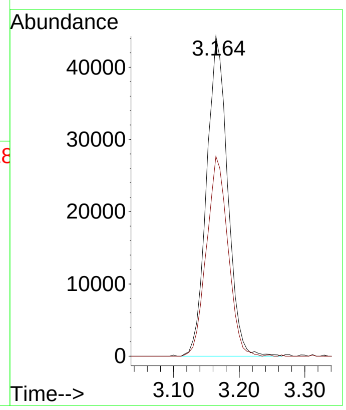
#7
Trichlorofluoromethane
Concen: 41.757 ug/l
RT: 3.164 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

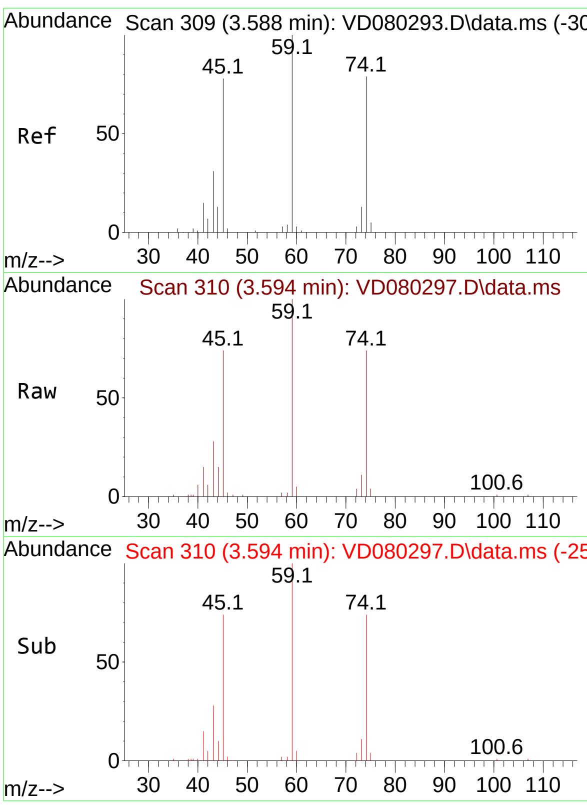
Tgt Ion:101 Resp: 9869

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.8

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

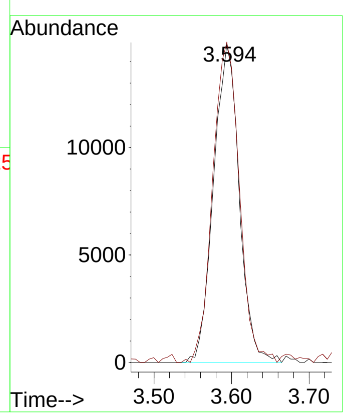


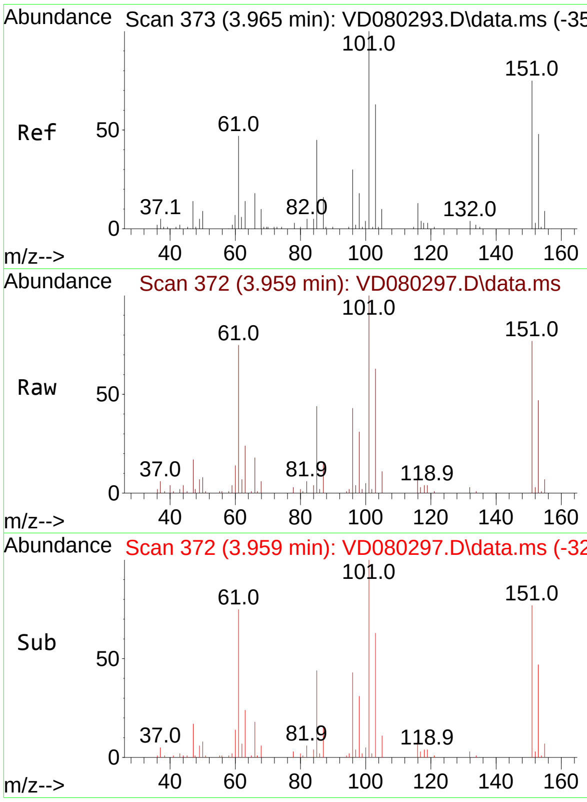


#8
Diethyl Ether
Concen: 46.590 ug/l
RT: 3.594 min Scan# 310
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 74 Resp: 33992

Ion	Ratio	Lower	Upper
74	100		
45	104.3	53.1	159.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.891 ug/l
RT: 3.959 min Scan# 3
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

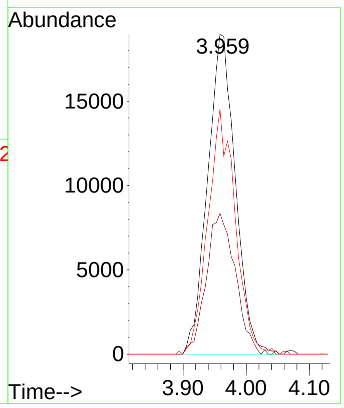
Tgt Ion:101 Resp: 5809

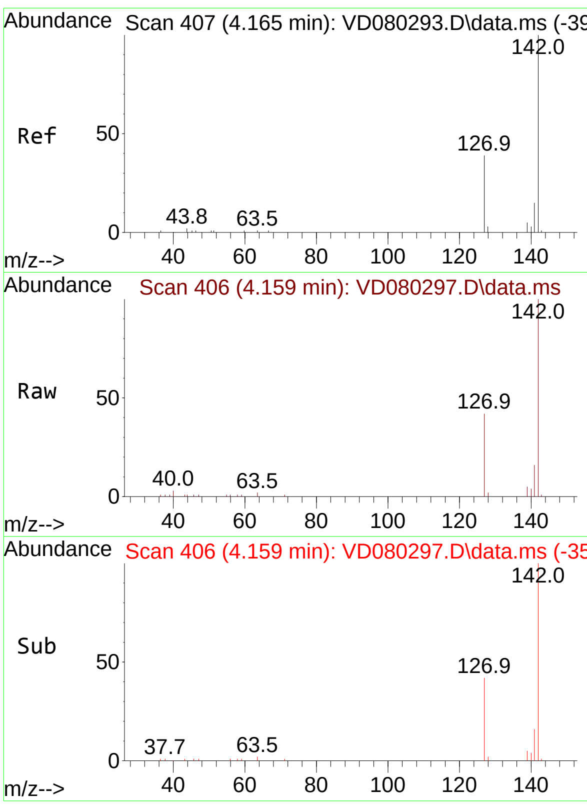
Ion	Ratio	Lower	Upper
101	100		
85	46.1	35.5	53.3
151	75.4	59.0	88.6

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

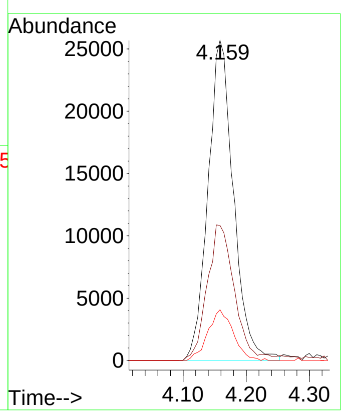




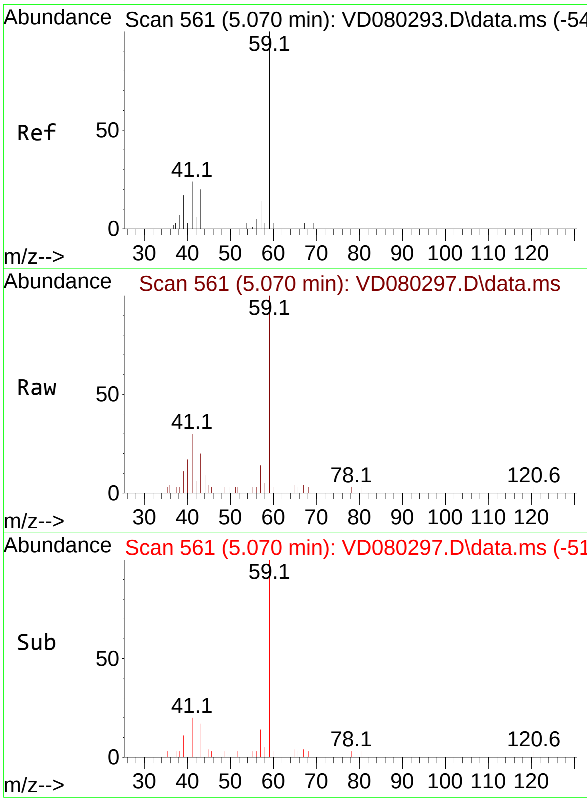
#10
Methyl Iodide
Concen: 48.458 ug/l
RT: 4.159 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:142 Resp: 71935

Ion	Ratio	Lower	Upper
142	100		
127	45.2	34.6	52.0
141	15.7	12.2	18.4



ICAL Form



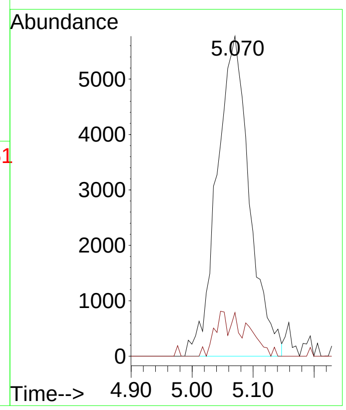
#11
Tert butyl alcohol
Concen: 230.766 ug/l
RT: 5.070 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

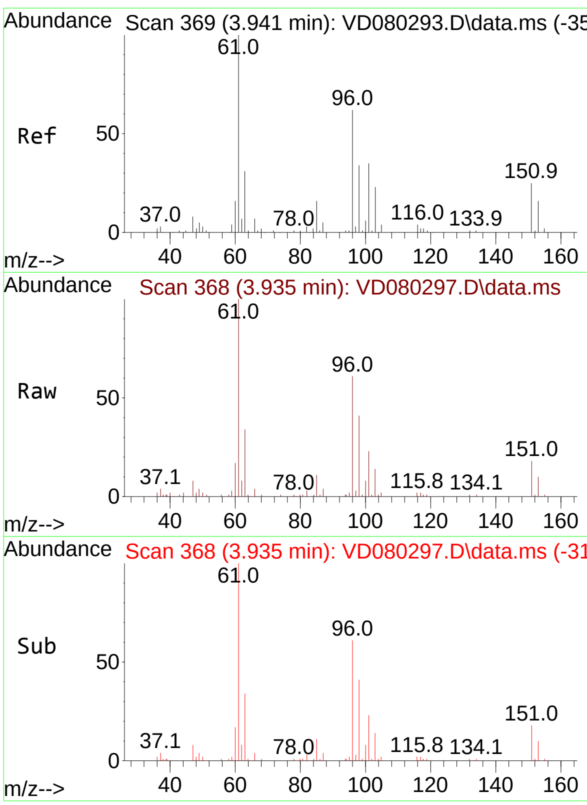
Tgt Ion: 59 Resp: 2147

Ion	Ratio	Lower	Upper
59	100		
57	0.0	10.6	16.0#

Instrument : MSVOA_D
ClientSampleId : ICVVD050625

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

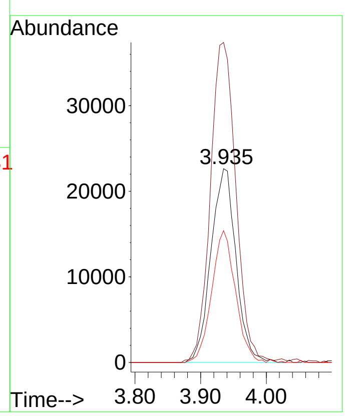


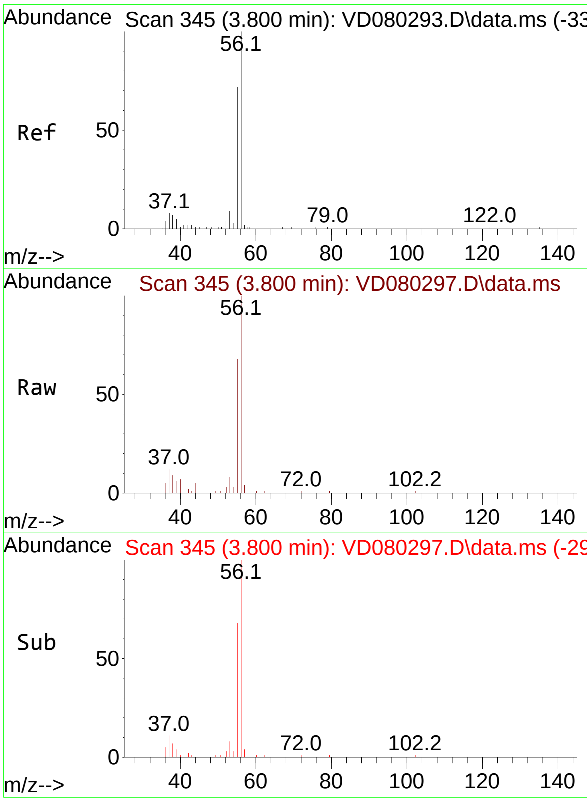


#12
1,1-Dichloroethene
Concen: 41.756 ug/l
RT: 3.935 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 96 Resp: 59948

Ion	Ratio	Lower	Upper
96	100		
61	165.2	128.2	192.2
98	68.0	43.9	65.9#





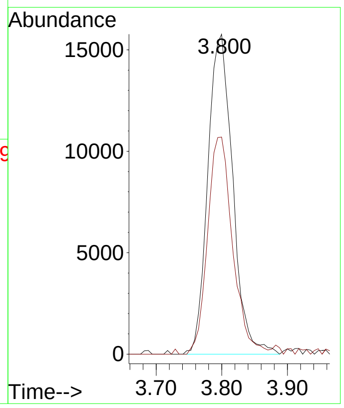
#13
Acrolein
Concen: 253.759 ug/l
RT: 3.800 min Scan# 34
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

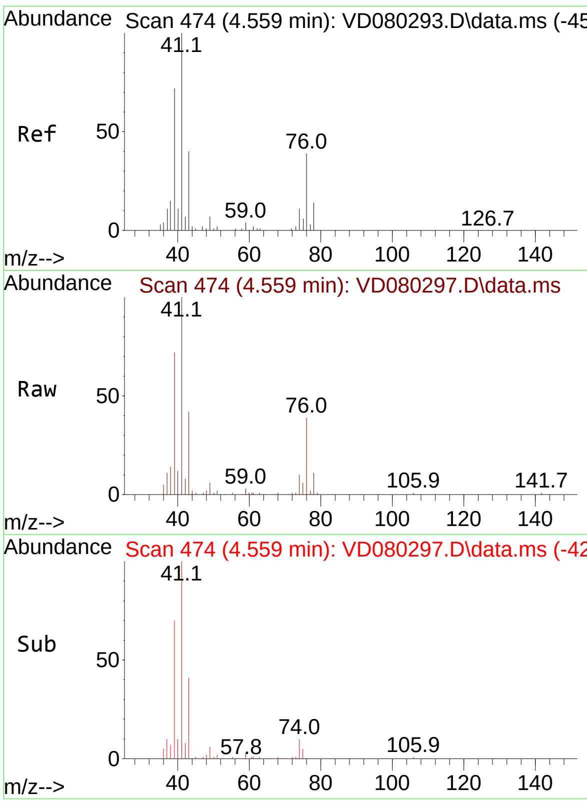
Tgt Ion: 56 Resp: 41541

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.4	86.2

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

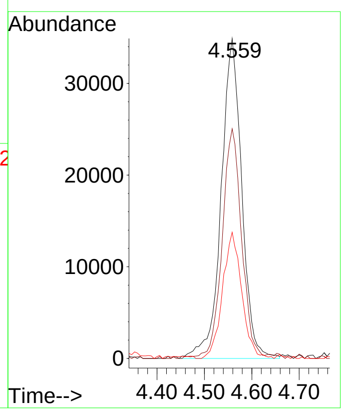




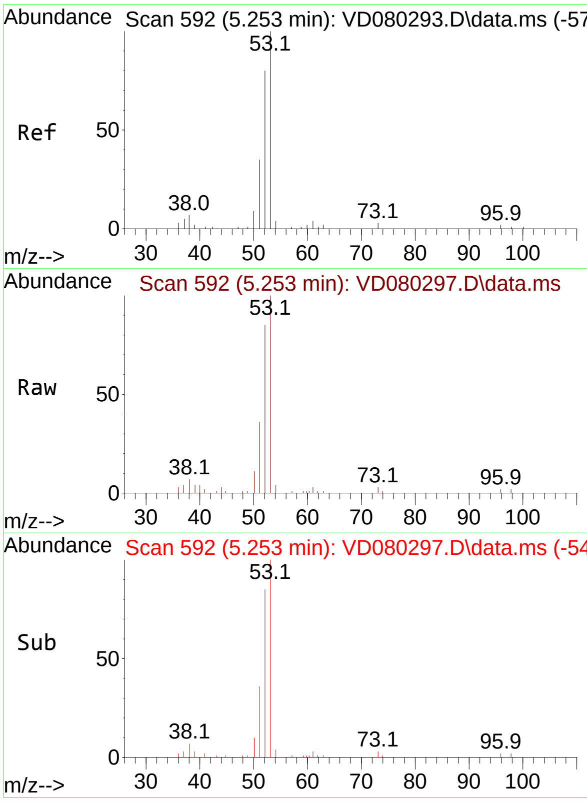
#14
Allyl chloride
Concen: 46.816 ug/l
RT: 4.559 min Scan# 474
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 41 Resp: 105709

Ion	Ratio	Lower	Upper
41	100		
39	65.9	53.0	79.4
76	36.6	28.8	43.2



ICAL Form

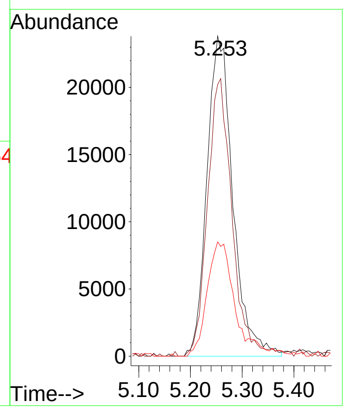


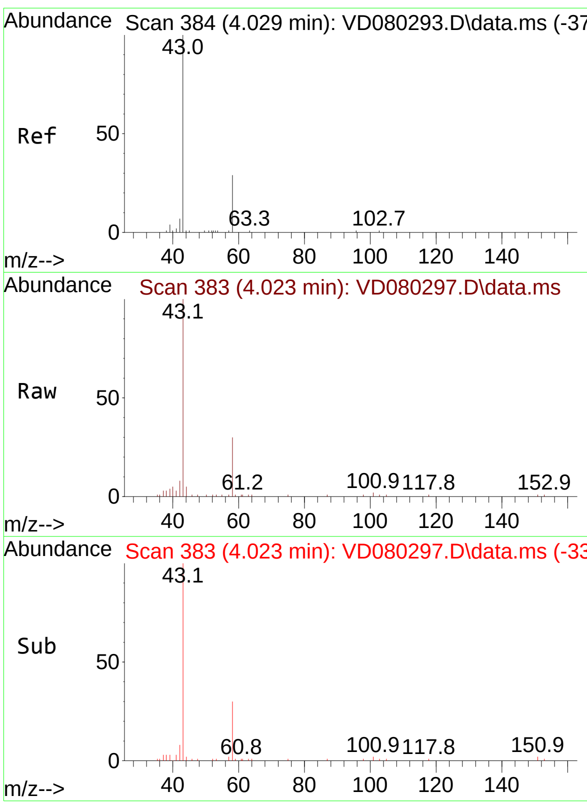
#15
Acrylonitrile
Concen: 236.284 ug/l
RT: 5.253 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 53 Resp: 82879
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.3	100.9
51	37.6	30.4	45.6

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

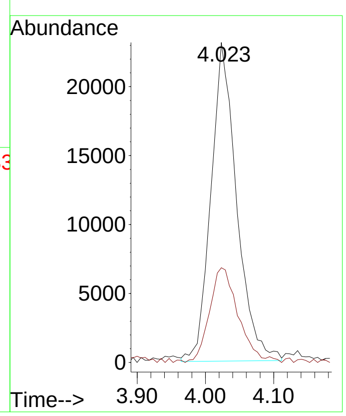
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

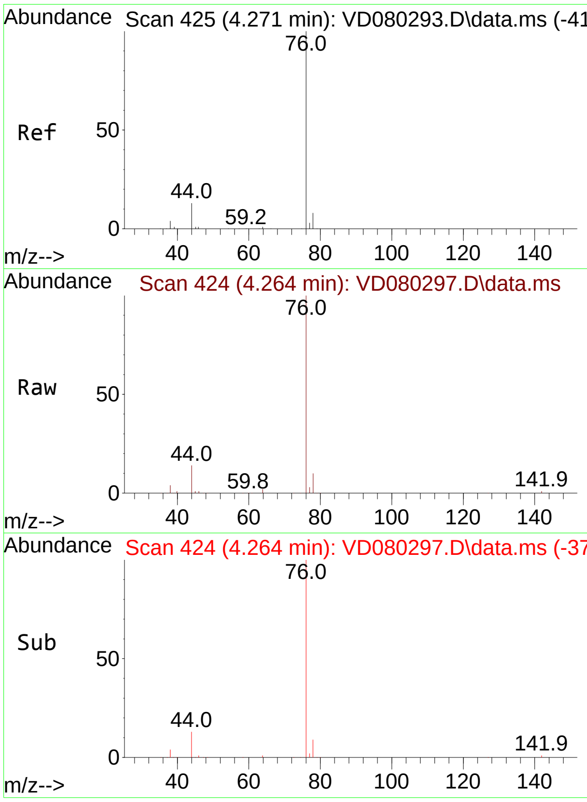




#16
Acetone
Concen: 258.617 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 43 Resp: 60747
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.9	34.3





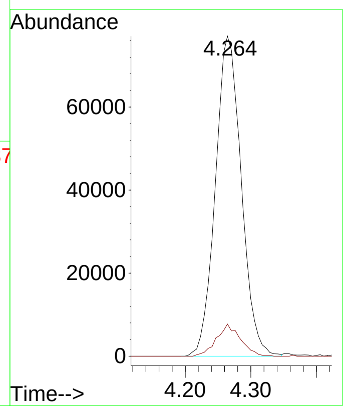
#17
Carbon Disulfide
Concen: 42.347 ug/l
RT: 4.264 min Scan# 4
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

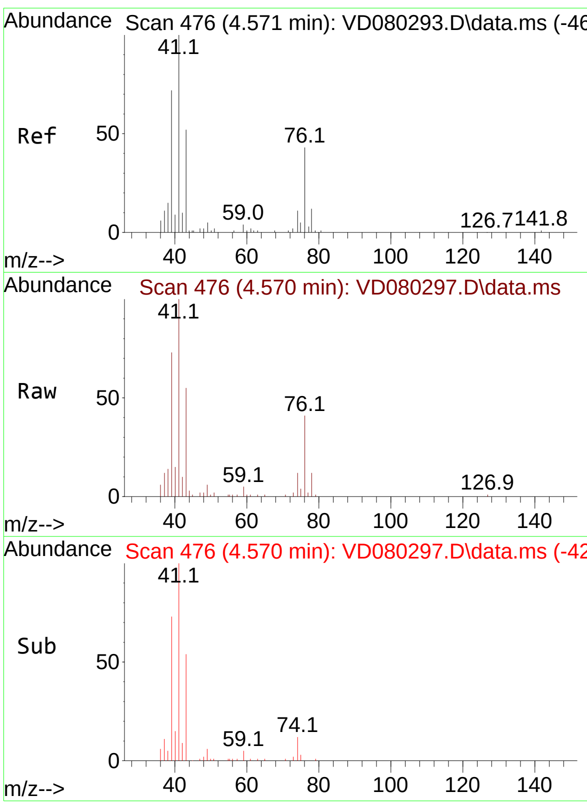
Tgt Ion: 76 Resp: 21112

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.6	10.0

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

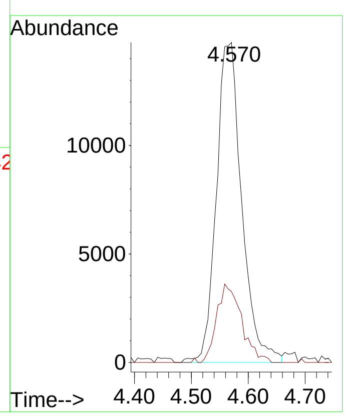


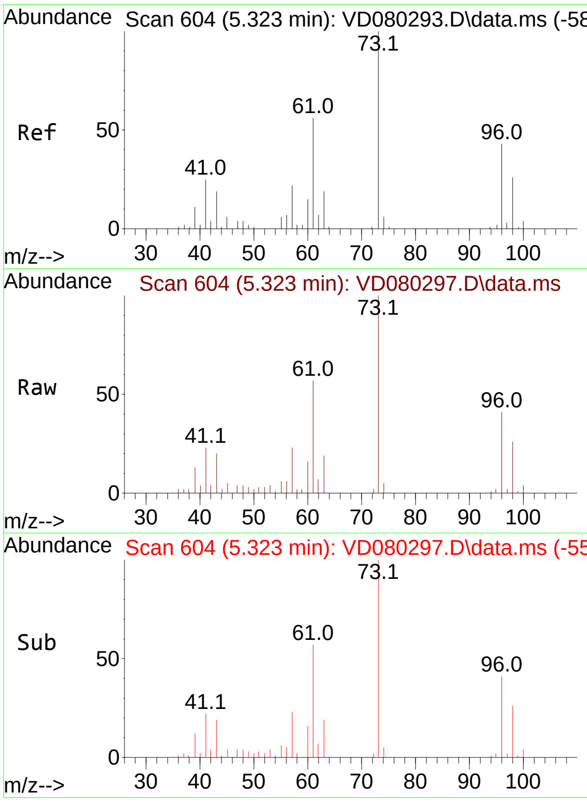


#18
Methyl Acetate
Concen: 46.179 ug/l
RT: 4.570 min Scan# 476
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 43 Resp: 45817

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.4	30.6





#19
Methyl tert-butyl Ether
Concen: 50.341 ug/l
RT: 5.323 min Scan# 604
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 73 Resp: 158777

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.5	26.3

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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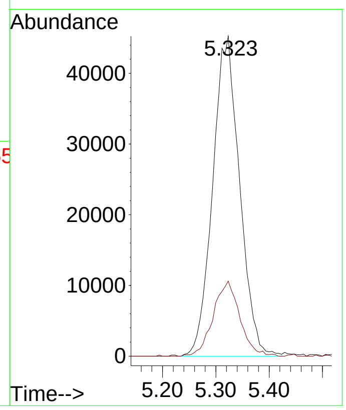
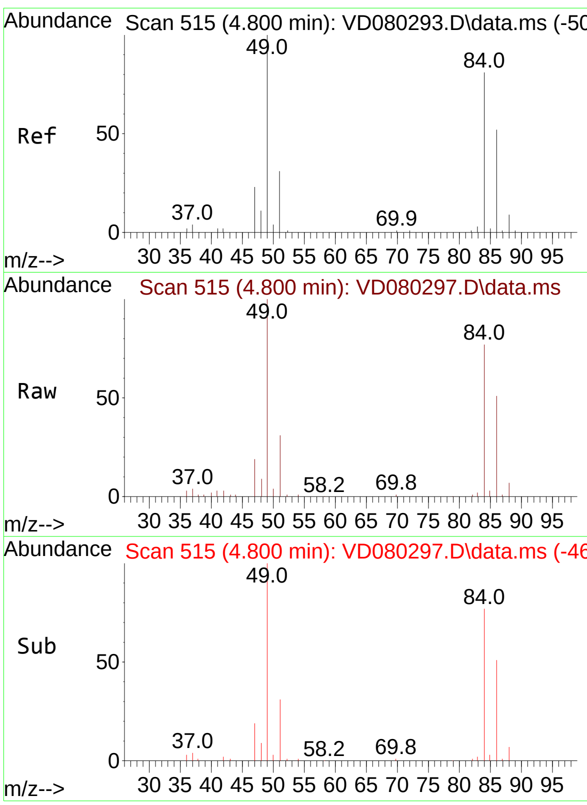
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

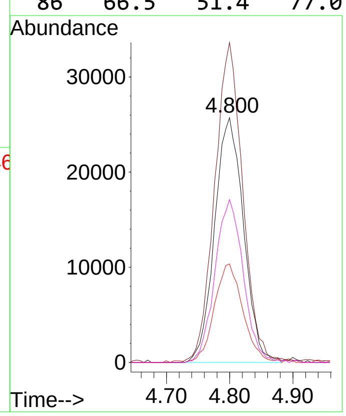




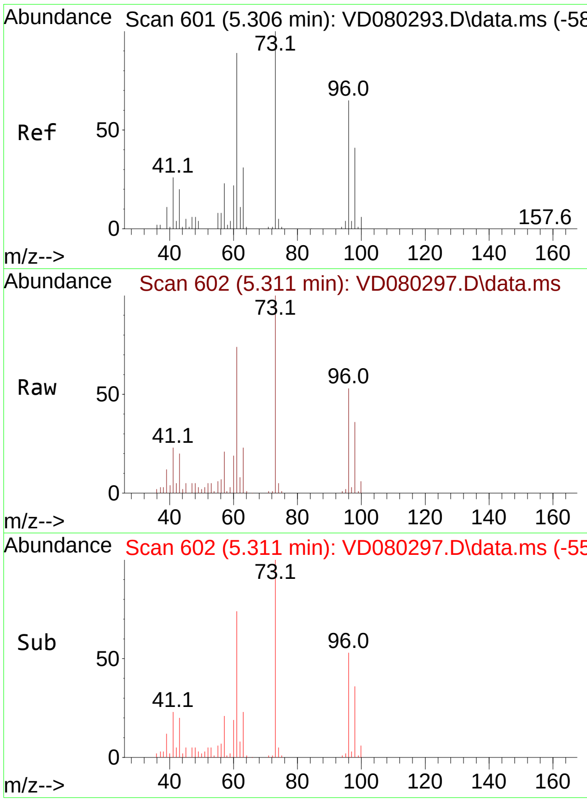
#20
Methylene Chloride
Concen: 49.945 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 84 Resp: 81792

Ion	Ratio	Lower	Upper
84	100		
49	130.7	98.7	148.1
51	40.3	30.8	46.2
86	66.5	51.4	77.0



ICAL Form



#21
trans-1,2-Dichloroethene
Concen: 46.114 ug/l
RT: 5.311 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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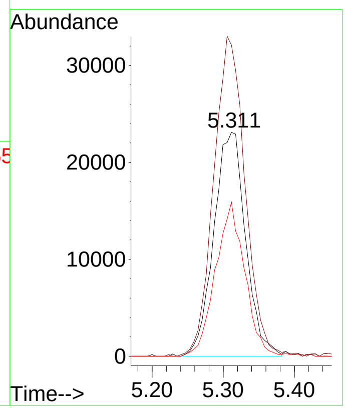
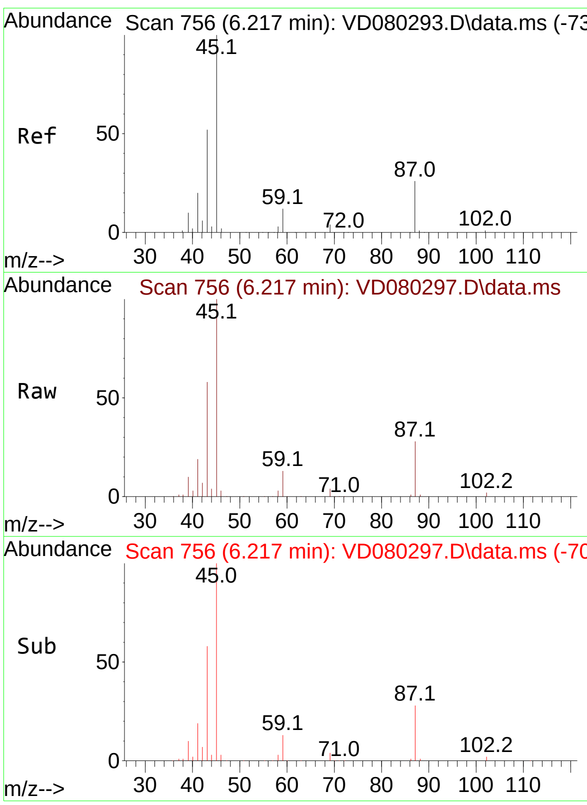
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 96 Resp: 7192

Ion	Ratio	Lower	Upper
96	100		
61	138.2	109.9	164.9
98	68.8	50.6	75.8

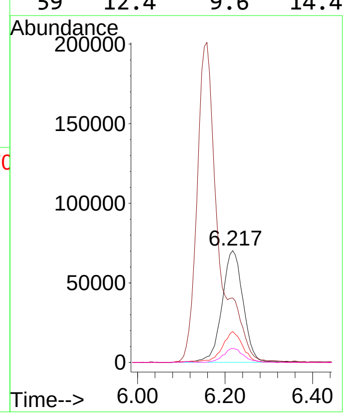




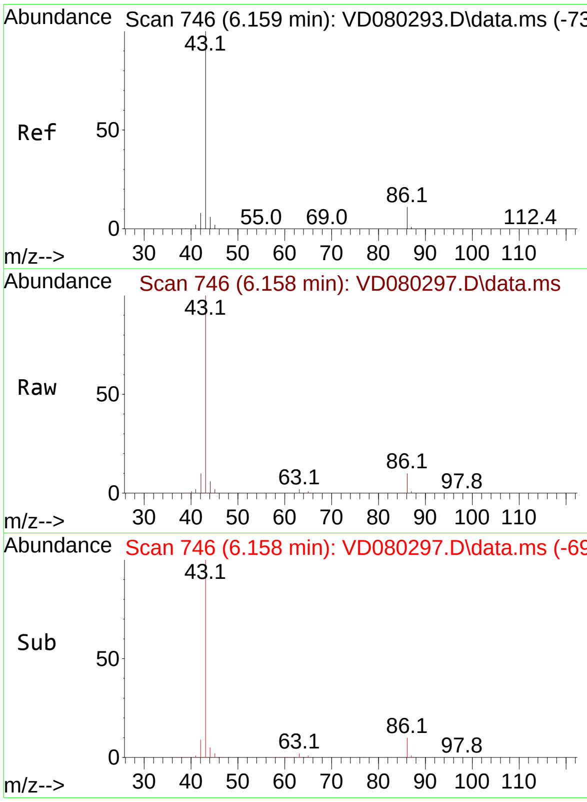
#22
Diisopropyl ether
Concen: 50.015 ug/l
RT: 6.217 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 45 Resp: 232631

Ion	Ratio	Lower	Upper
45	100		
43	56.6	42.5	63.7
87	27.5	21.4	32.0
59	12.4	9.6	14.4



ICAL Form



#23
Vinyl Acetate
Concen: 251.975 ug/l
RT: 6.158 min   Scan# 74
Delta R.T.   -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

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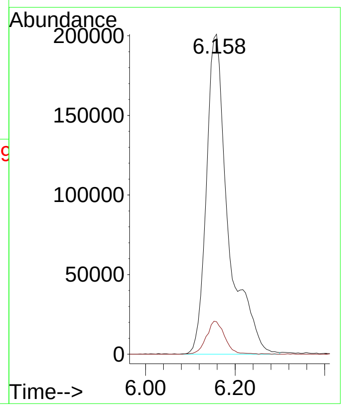
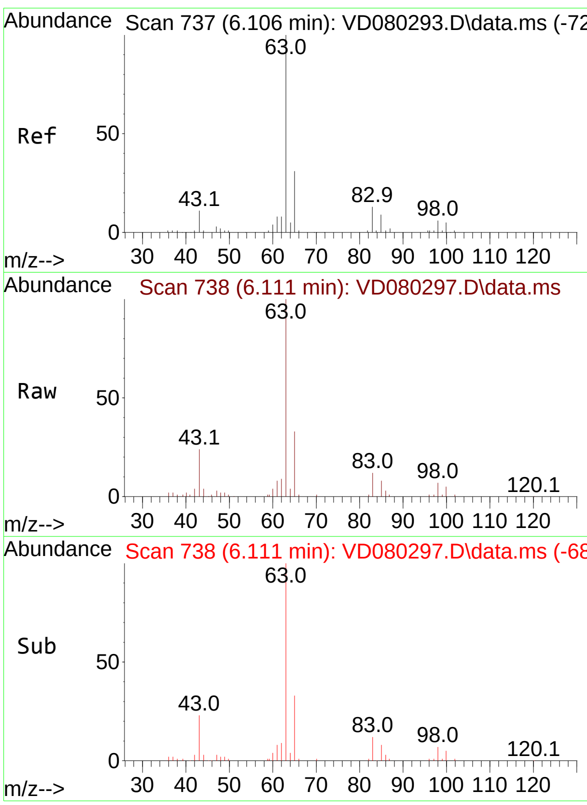
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

Tgt Ion: 43 Resp: 68259

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8

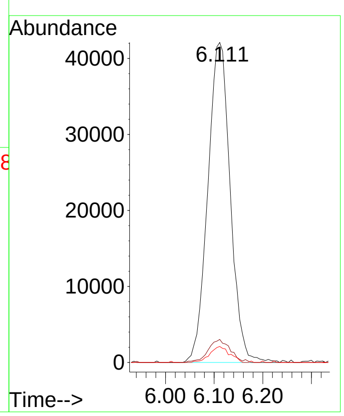




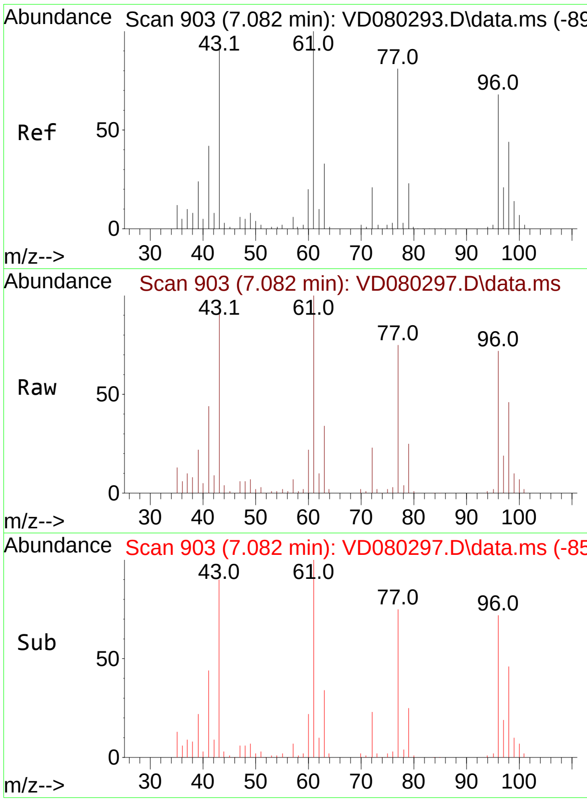
#24
1,1-Dichloroethane
Concen: 46.215 ug/l
RT: 6.111 min   Scan# 738
Delta R.T.   0.006 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Tgt Ion: 63 Resp: 135265

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.1	9.3
100	5.0	2.3	6.9



ICAL Form



#25
2-Butanone
Concen: 235.833 ug/l
RT: 7.082 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 43 Resp: 9949

Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.0	28.4

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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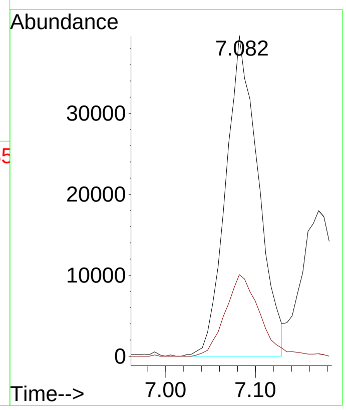
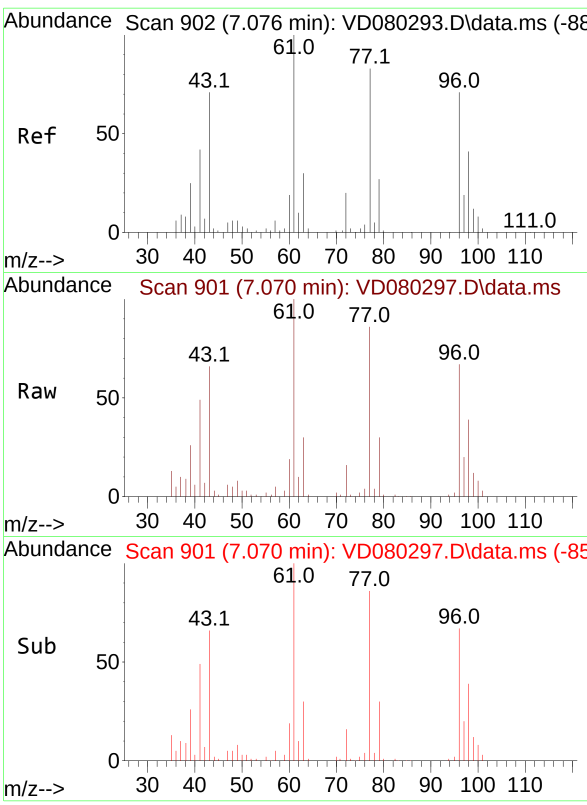
Supervised By :Semsettin Yesilyurt 05/07/2025

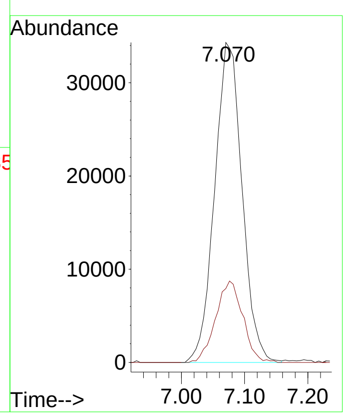




#26
2,2-Dichloropropane
Concen: 44.414 ug/l
RT: 7.070 min Scan# 901
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 77 Resp: 103438

Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.0	36.1



ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

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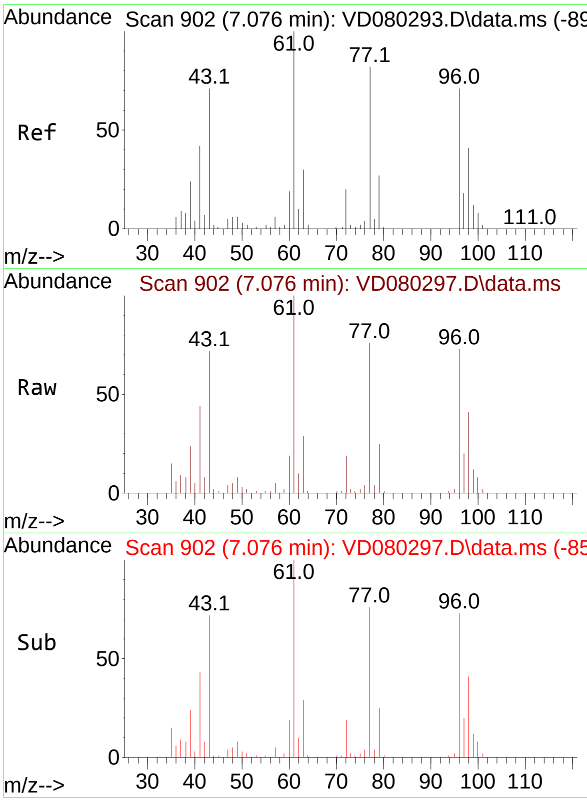
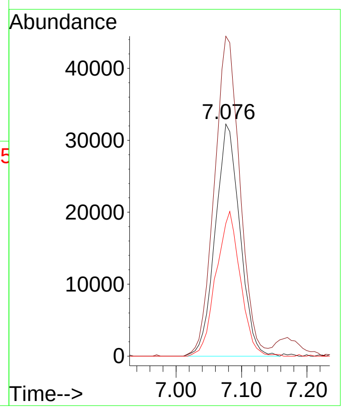
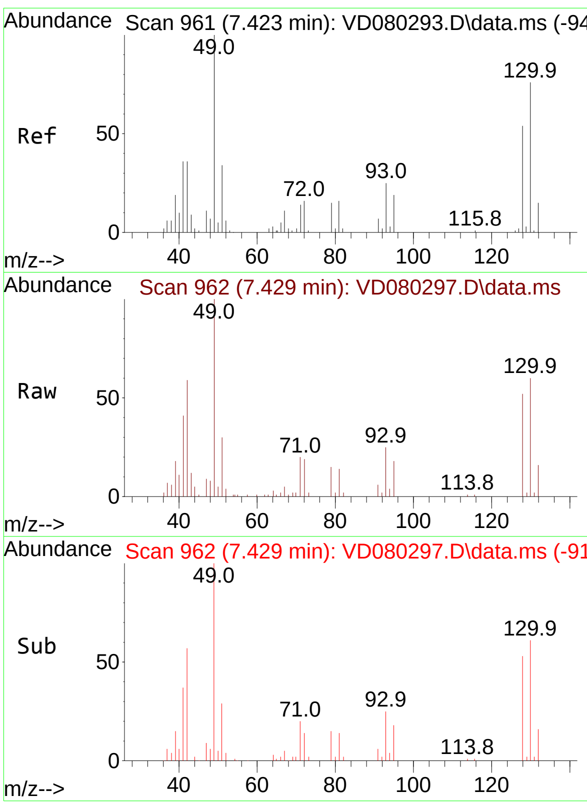
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#27
cis-1,2-Dichloroethene
Concen:   48.740 ug/l
RT:    7.076 min   Scan# 9
Delta R.T.   -0.000 min
Lab File:    VD080297.D
Acq: 06 May 2025   16:43

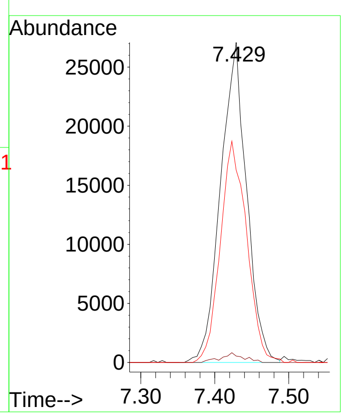
Tgt Ion: 96 Resp:    8422
Ion   Ratio   Lower   Upper
 96   100
 61   143.3     0.0   293.8
 98    61.7     0.0   128.8
```



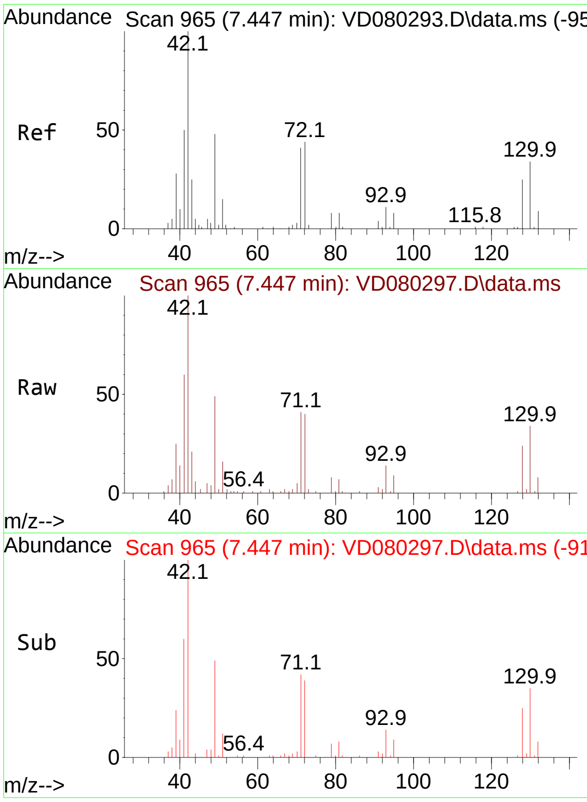



```
#28
Bromochloromethane
Concen:   48.599 ug/l
RT:    7.429 min   Scan# 962
Delta R.T.   0.006 min
Lab File:    VD080297.D
Acq: 06 May 2025   16:43

Tgt Ion: 49 Resp:    66229
Ion   Ratio   Lower   Upper
 49   100
129     2.6     0.0     4.0
130    70.2    56.0    84.0
```



ICAL Form



#29
Tetrahydrofuran
Concen: 246.746 ug/l
RT: 7.447 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

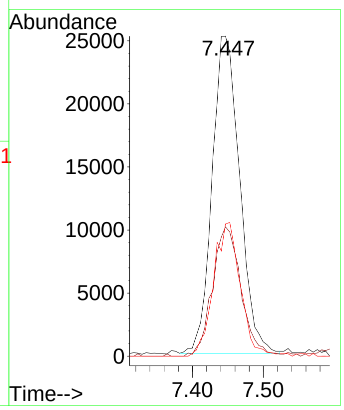
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

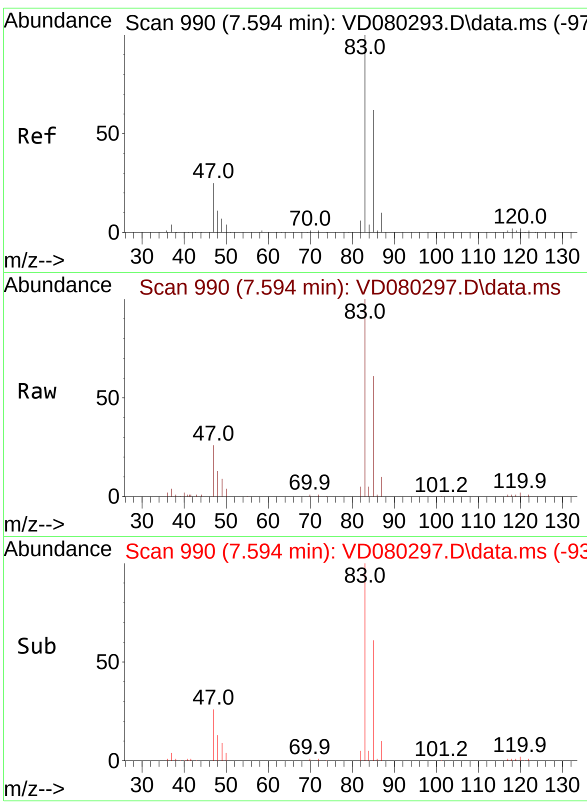
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

Tgt Ion: 42 Resp: 6787

Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.8	49.2
71	41.3	33.8	50.6

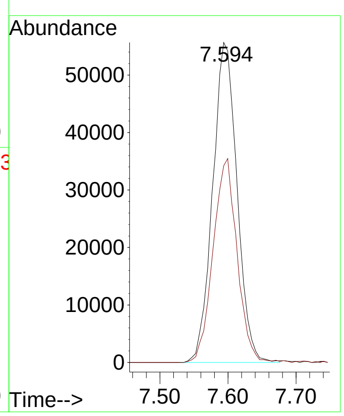


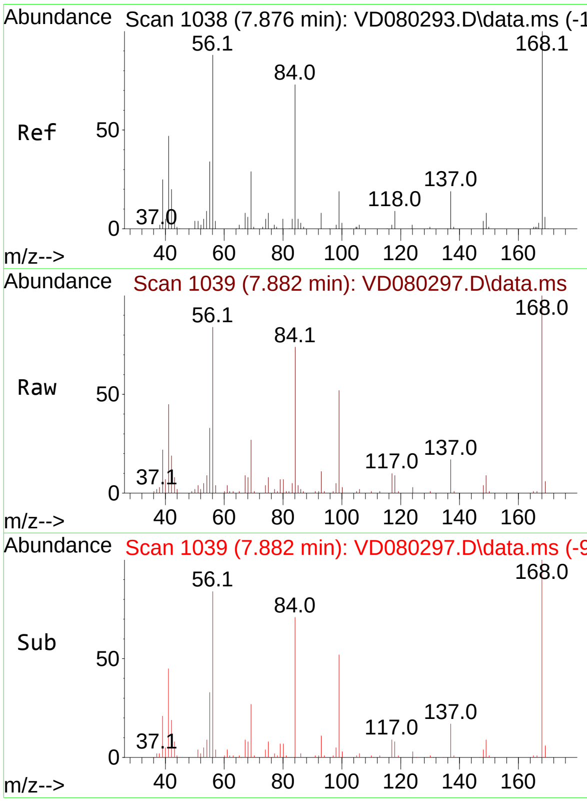


#30
Chloroform
Concen: 47.555 ug/l
RT: 7.594 min Scan# 990
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 83 Resp: 138801

Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.0	75.0





#31
Cyclohexane
Concen: 41.967 ug/l
RT: 7.882 min   Scan# 1
Delta R.T.   0.006 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion: 56 Resp: 10454

Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.1	39.1
84	87.3	66.5	99.7

Manual Integrations APPROVED

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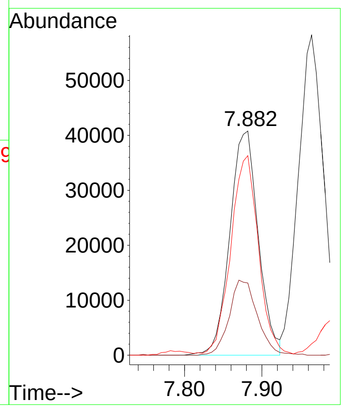
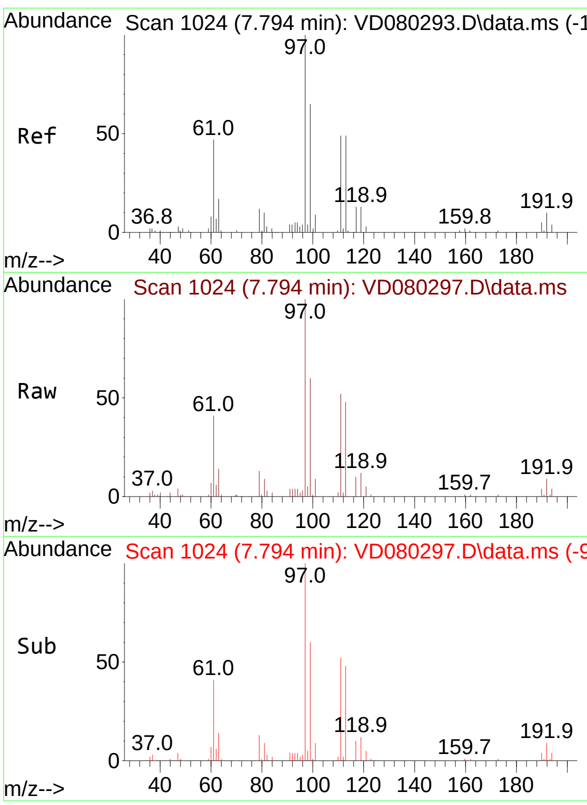
Supervised By :Semsettin Yesilyurt   05/07/2025

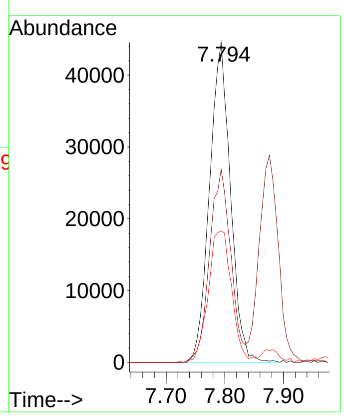




#32
1,1,1-Trichloroethane
Concen: 46.513 ug/l
RT: 7.794 min   Scan# 1024
Delta R.T.   -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Tgt Ion: 97 Resp: 110760

Ion	Ratio	Lower	Upper
97	100		
99	61.1	52.4	78.6
61	45.9	37.9	56.9



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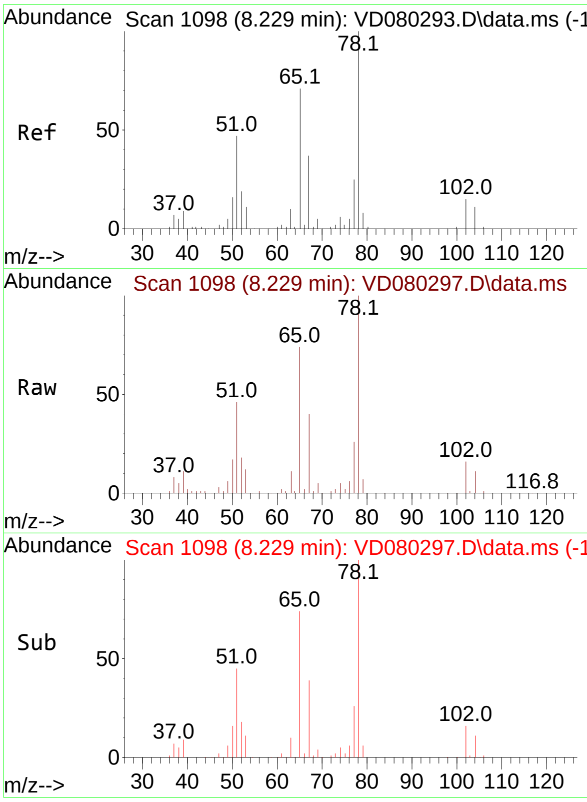

#33
1,2-Dichloroethane-d4
Concen: 52.165 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 65 Resp: 79985
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.6

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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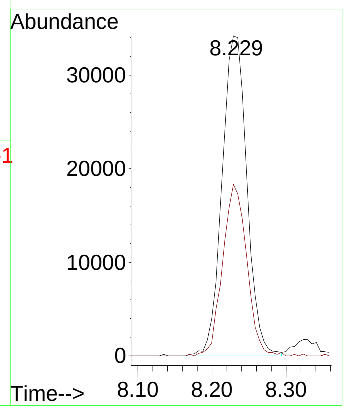
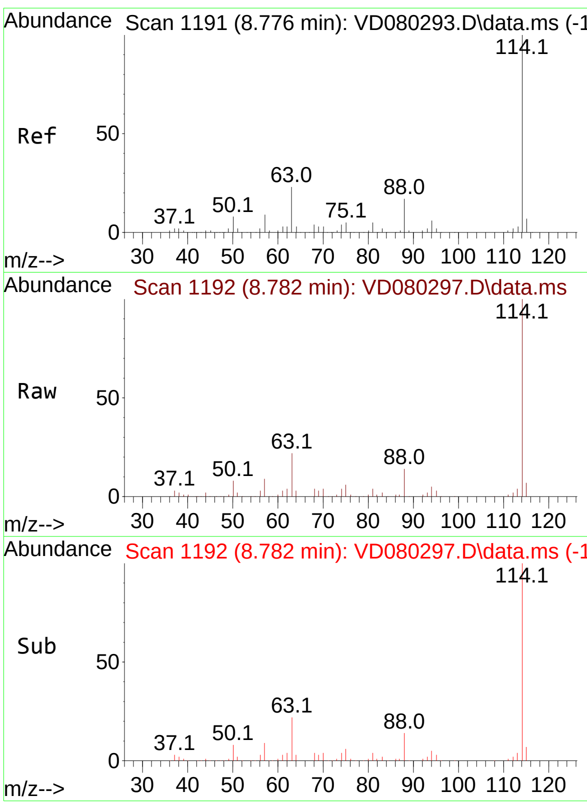
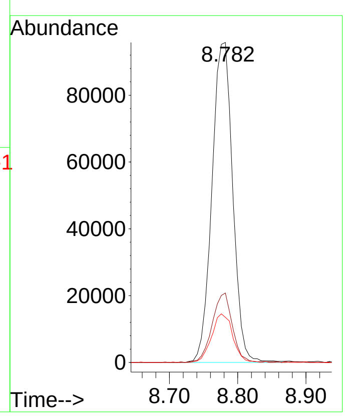
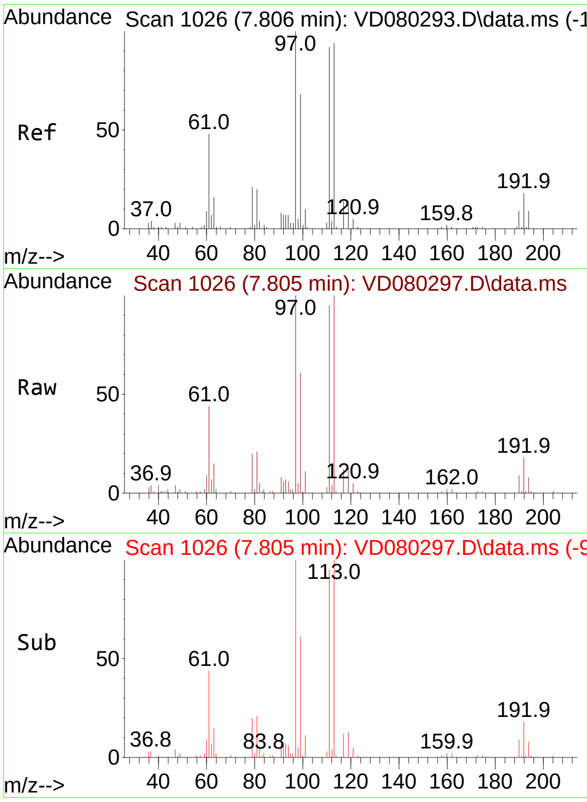




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.782 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:114 Resp: 203139
Ion Ratio Lower Upper
114 100
63 21.7 0.0 45.6
88 14.1 0.0 33.2





#35
Dibromofluoromethane
Concen: 52.589 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion:113 Resp: 7160

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.7	121.1
192	19.6	15.7	23.5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
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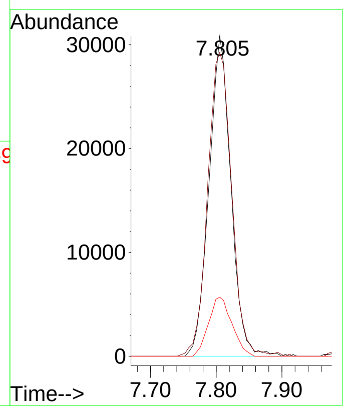
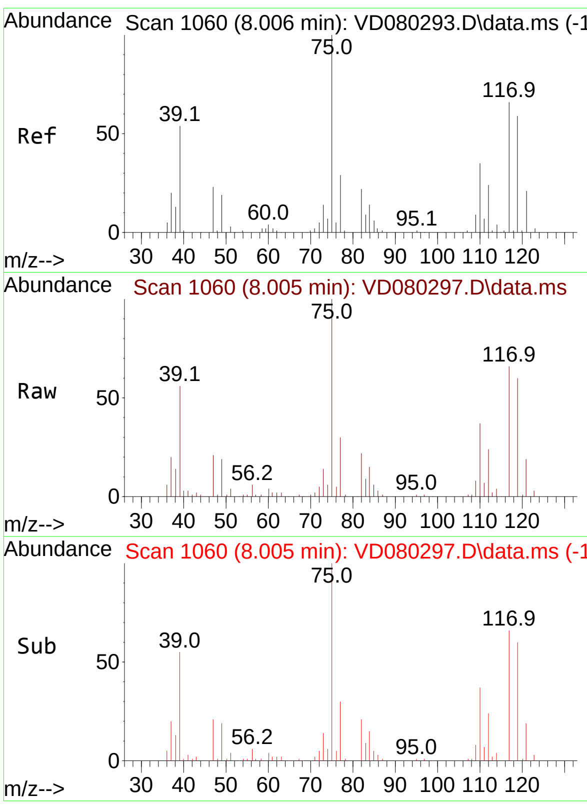
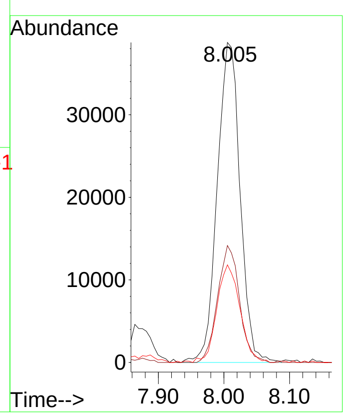


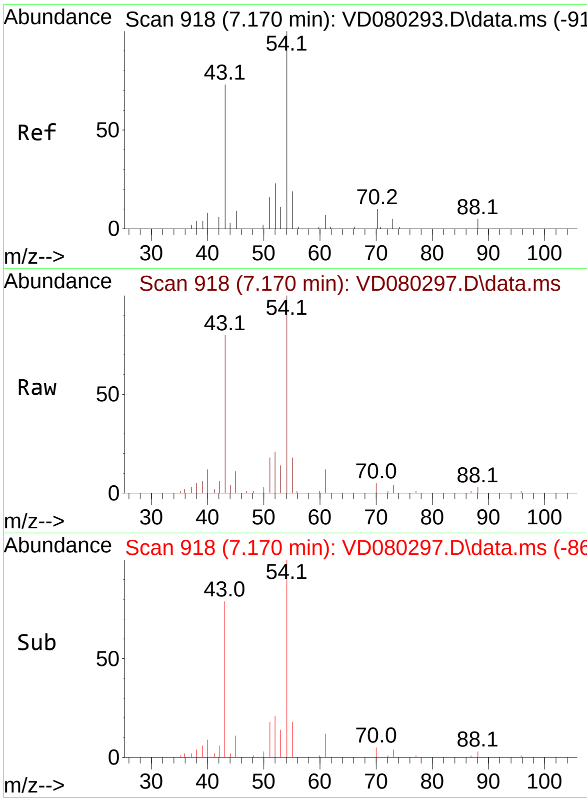


#36
1,1-Dichloropropene
Concen: 45.987 ug/l
RT: 8.005 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 75 Resp: 93576

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.1	51.2
77	31.0	24.9	37.3





#37
Ethyl Acetate
Concen: 45.264 ug/l
RT: 7.170 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion: 43 Resp: 4816

Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.4
70	9.5	8.7	13.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
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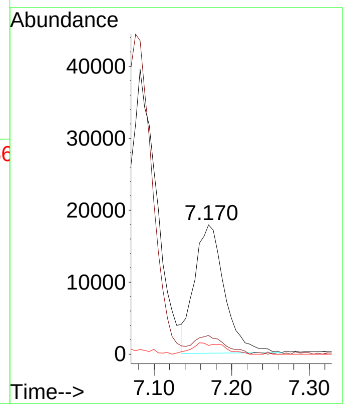
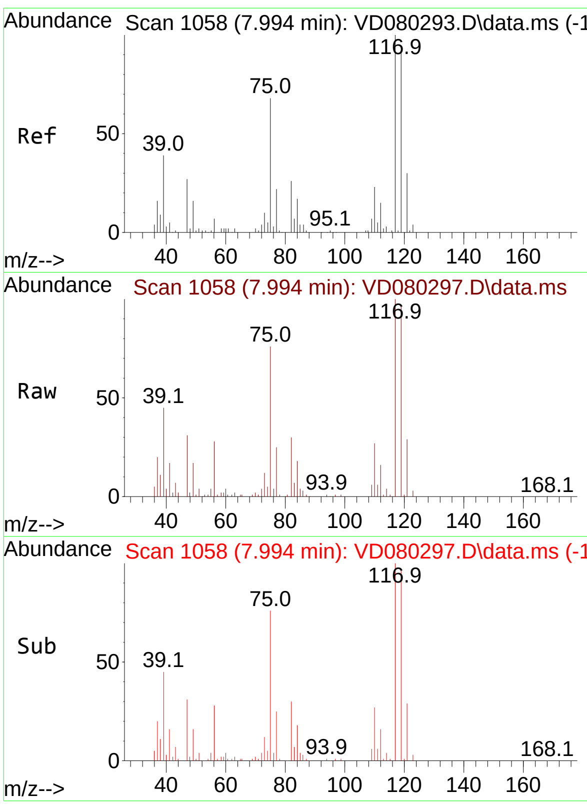
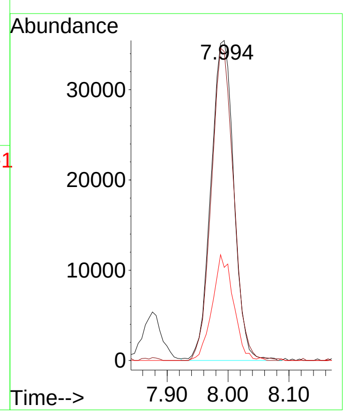




#38
Carbon Tetrachloride
Concen: 43.572 ug/l
RT: 7.994 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:117 Resp: 92465

Ion	Ratio	Lower	Upper
117	100		
119	96.5	72.7	109.1
121	29.1	24.4	36.6



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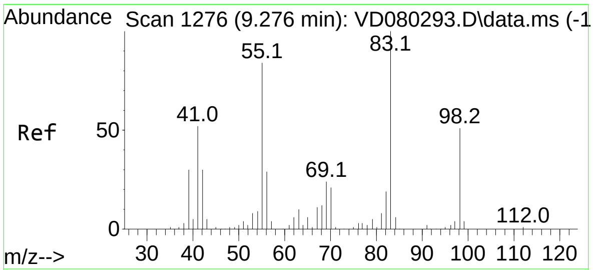
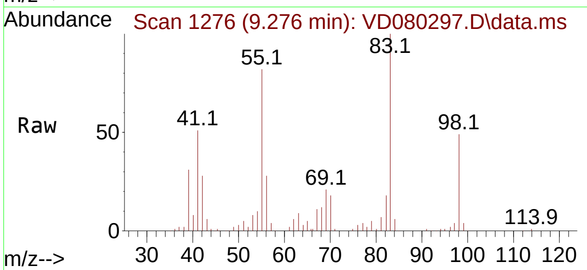
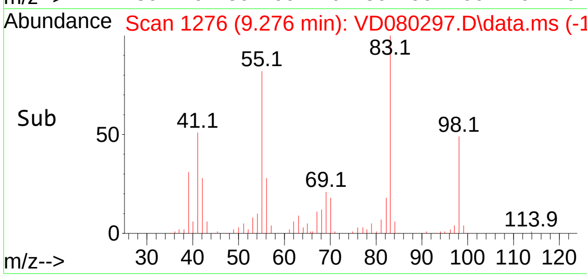






#39
Methylcyclohexane
Concen: 42.956 ug/l
RT: 9.276 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

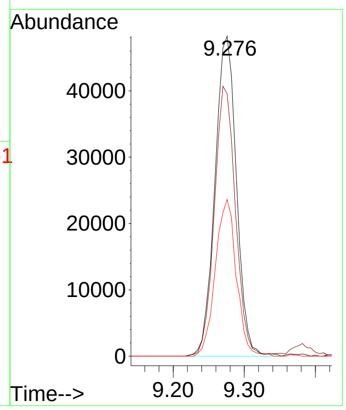
Tgt Ion: 83 Resp: 10142

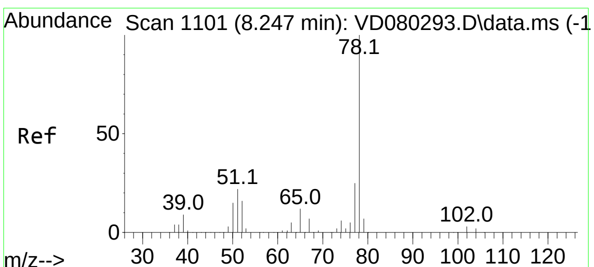
Ion	Ratio	Lower	Upper
83	100		
55	82.0	67.4	101.2
98	49.0	40.6	61.0

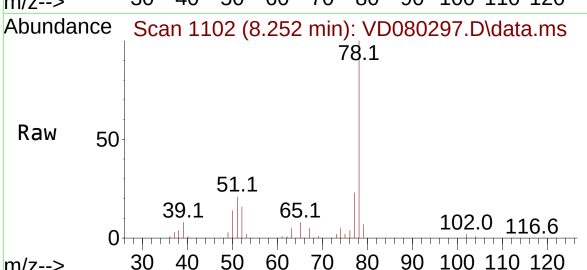
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

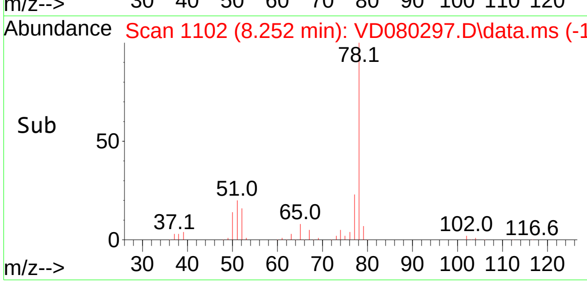
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025





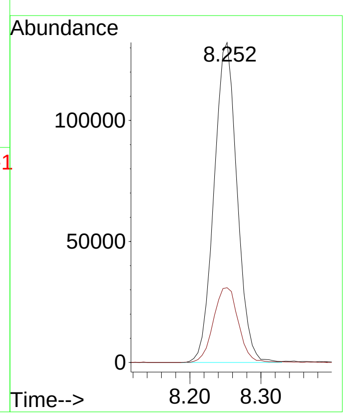




#40
Benzene
Concen: 46.567 ug/l
RT: 8.252 min   Scan# 1102
Delta R.T.   0.006 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Tgt Ion: 78 Resp: 296898

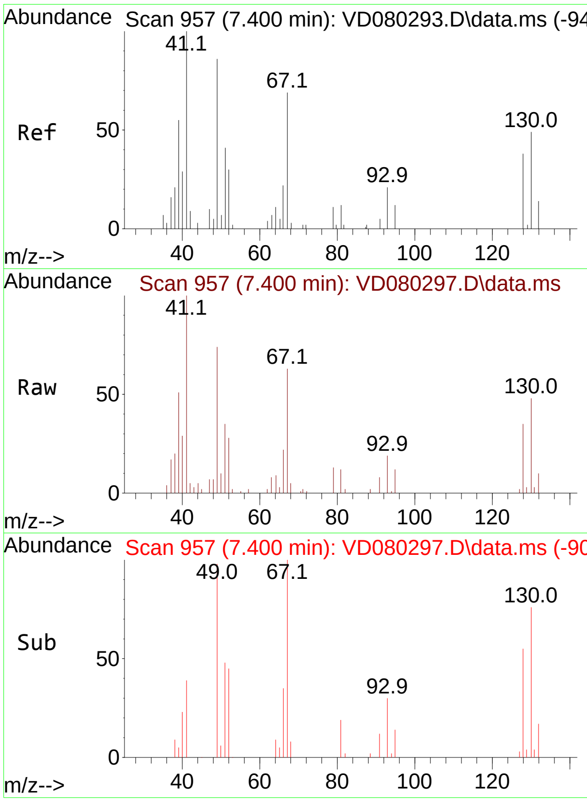
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.8	29.8



ICAL Form

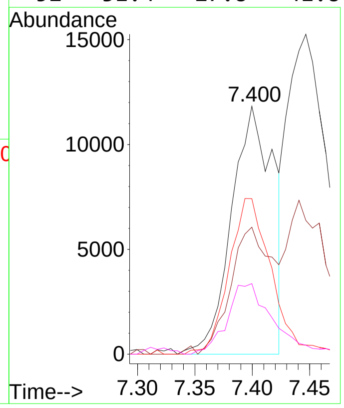
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

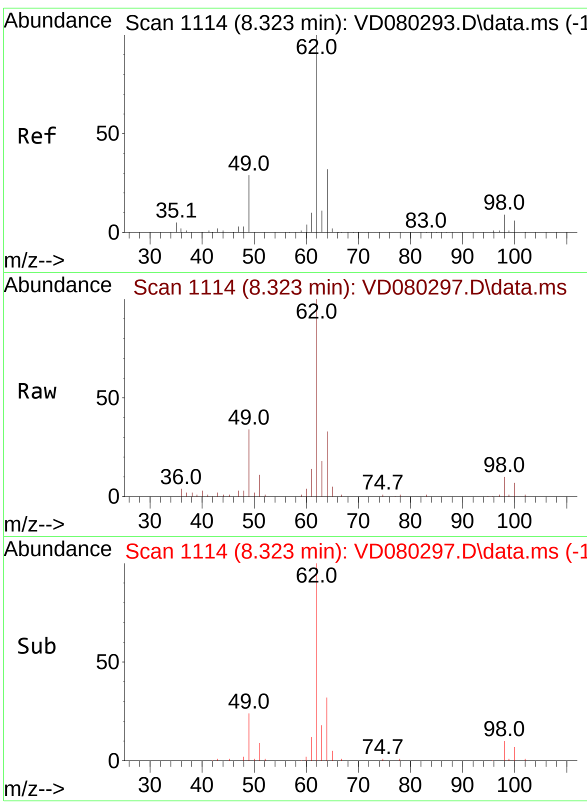
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025




```
#41
Methacrylonitrile
Concen:   50.772 ug/l m
RT:   7.400 min  Scan# 9
Delta R.T.  -0.000 min
Lab File:   VD080297.D
Acq: 06 May 2025  16:43

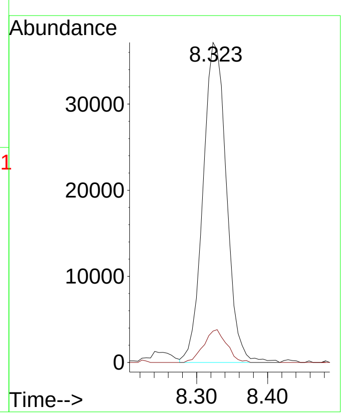
Tgt Ion: 41 Resp:   2989
Ion  Ratio  Lower  Upper
 41  100
 39   51.4   44.4   66.6
 67   64.3   57.1   85.7
 52   31.4   27.8   41.8
```






```
#42
1,2-Dichloroethane
Concen:   46.402 ug/l
RT:   8.323 min  Scan# 1114
Delta R.T.  -0.000 min
Lab File:   VD080297.D
Acq: 06 May 2025  16:43

Tgt Ion: 62 Resp:   85727
Ion  Ratio  Lower  Upper
 62  100
 98    9.9    0.0   20.2
```



Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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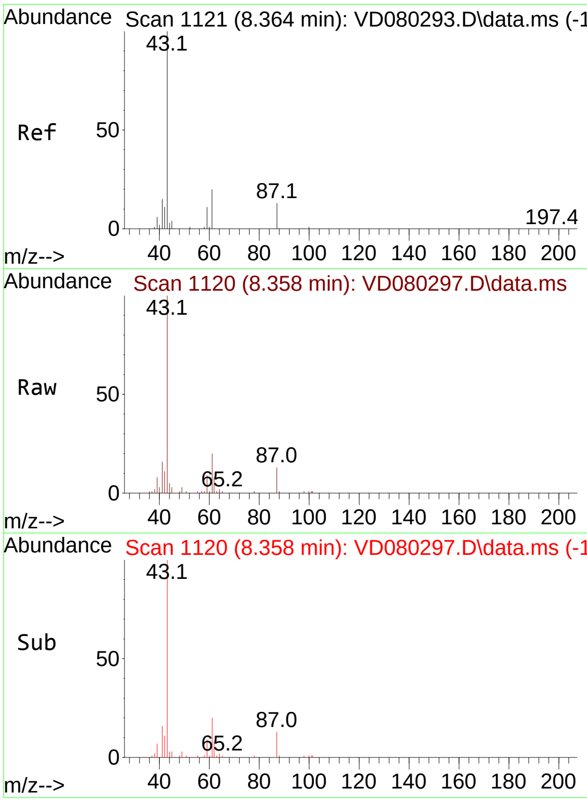
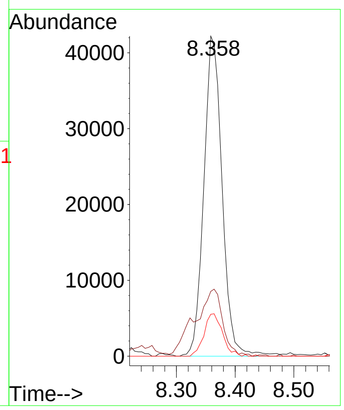
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

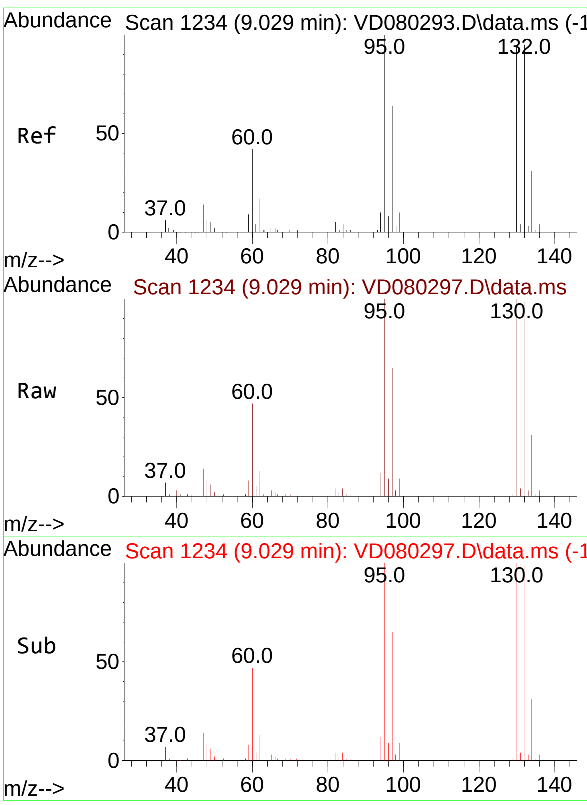


#43
Isopropyl Acetate
Concen: 47.388 ug/l
RT: 8.358 min Scan# 1:
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 43 Resp: 9143

Ion	Ratio	Lower	Upper
43	100		
61	32.1	16.7	25.1#
87	13.4	10.4	15.6

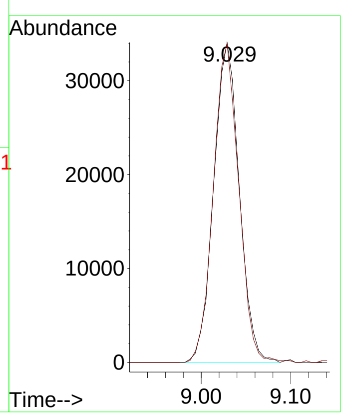




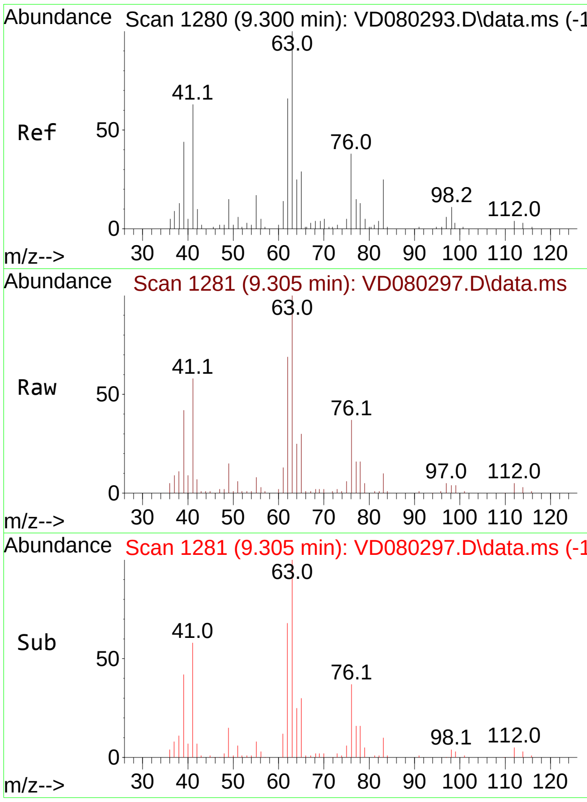
#44
Trichloroethene
Concen: 45.738 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:130 Resp: 67692

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	212.2



ICAL Form



#45
1,2-Dichloropropane
Concen: 47.814 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

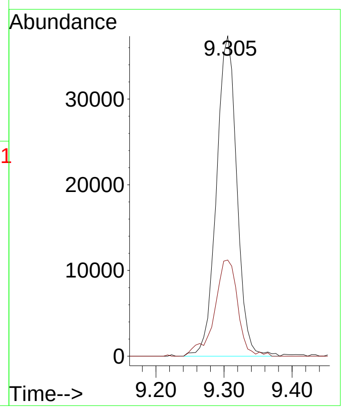
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

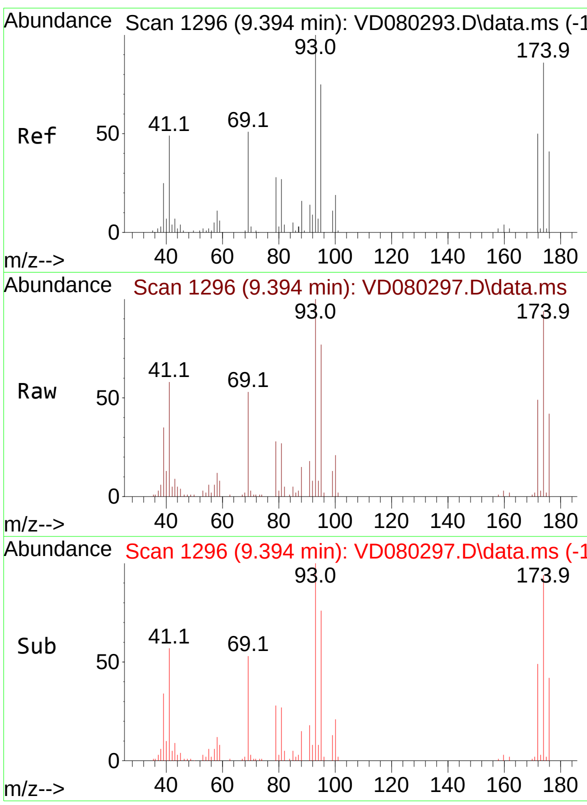
Tgt Ion: 63 Resp: 7818

Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.9	34.3

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

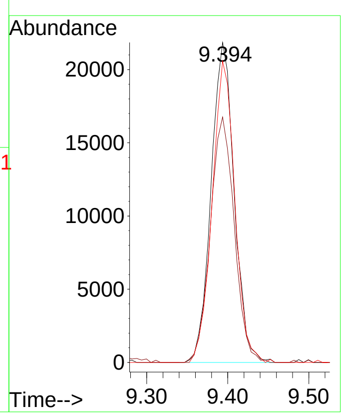




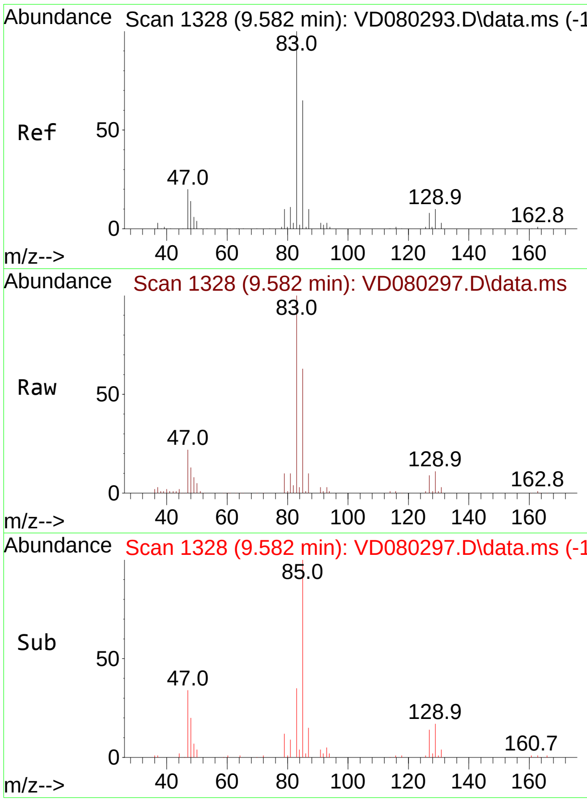
#46
Dibromomethane
Concen: 48.605 ug/l
RT: 9.394 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 93 Resp: 43272

Ion	Ratio	Lower	Upper
93	100		
95	79.7	67.3	100.9
174	92.6	75.5	113.3



ICAL Form



#47
Bromodichloromethane
Concen: 47.399 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion: 83 Resp: 10710

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.7	77.5
127	9.0	6.6	9.8

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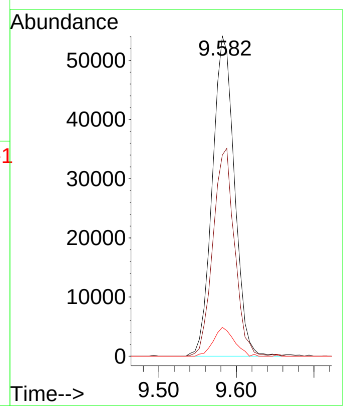
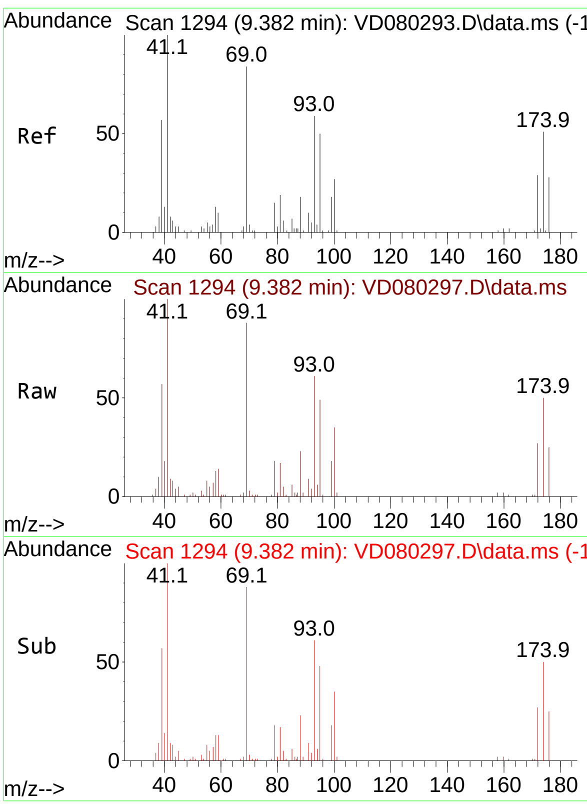
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

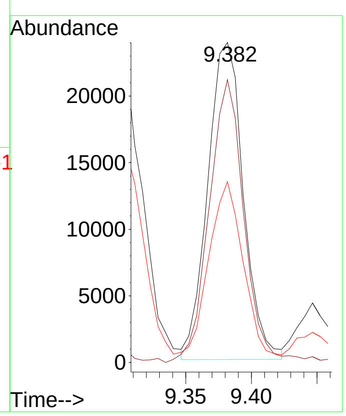


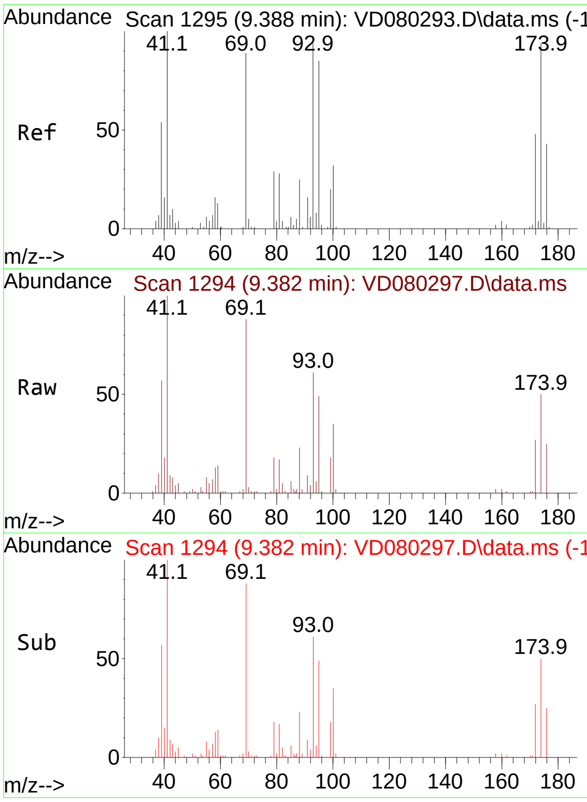


#48
Methyl methacrylate
Concen: 49.035 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 41 Resp: 44954

Ion	Ratio	Lower	Upper
41	100		
69	87.7	67.8	101.8
39	57.3	47.5	71.3





#49
1,4-Dioxane
Concen: 1017.706 ug/l
RT: 9.382 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

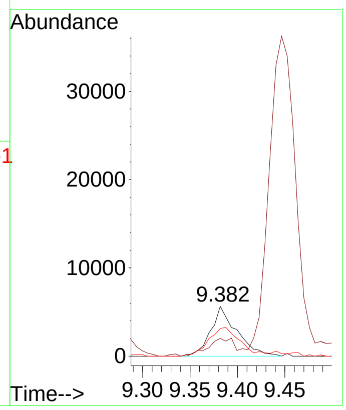
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

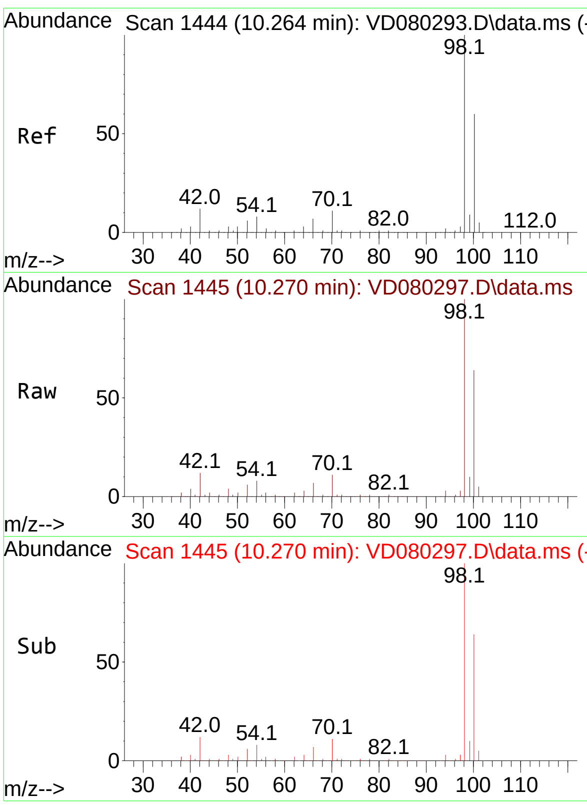
Tgt Ion: 88 Resp: 1077

Ion	Ratio	Lower	Upper
88	100		
43	40.6	31.4	47.2
58	70.7	61.8	92.6

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

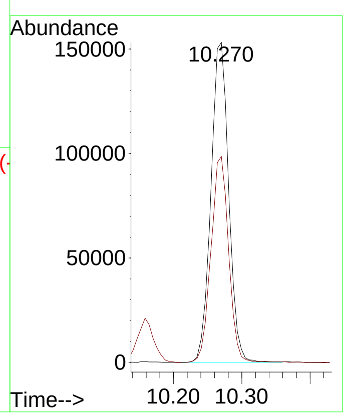




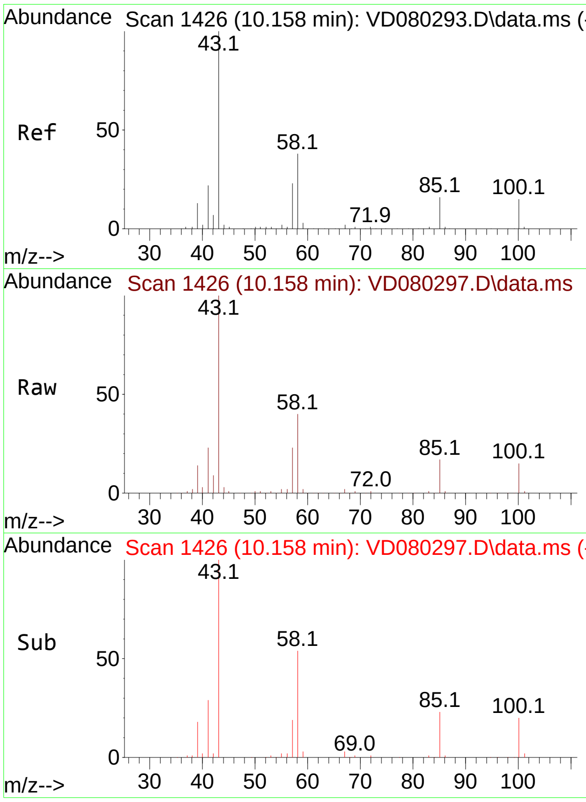
#50
Toluene-d8
Concen: 51.808 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 98 Resp: 277923

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.0	75.0



ICAL Form



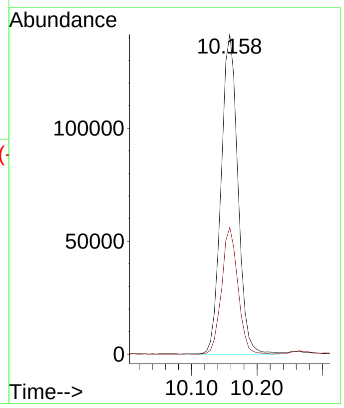
#51
4-Methyl-2-Pentanone
Concen: 253.309 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

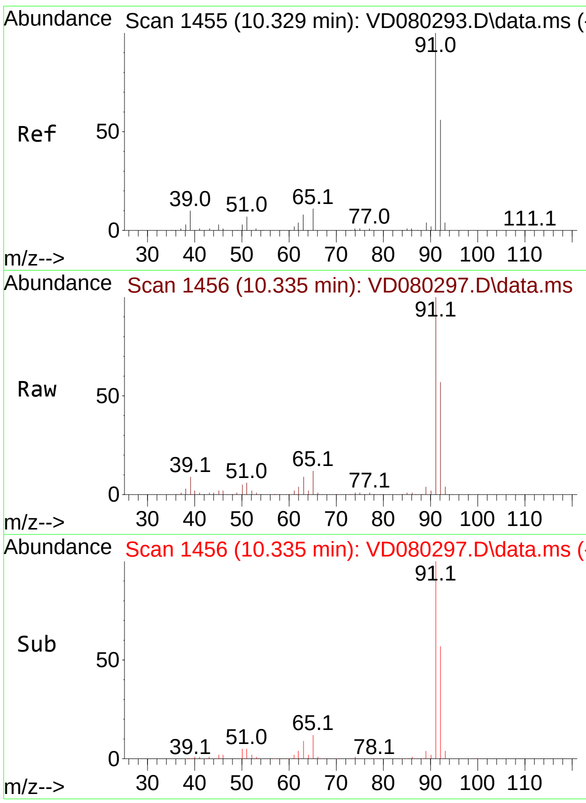
Tgt Ion: 43 Resp: 25182

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.6	46.0

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

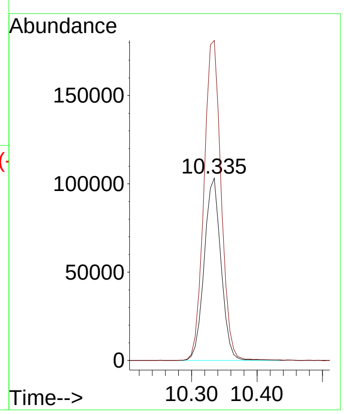




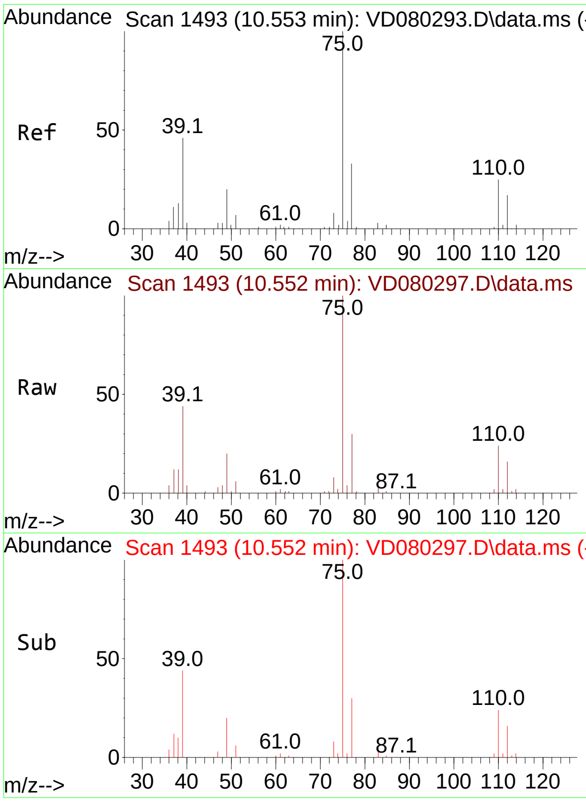
#52
Toluene
Concen: 48.083 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 92 Resp: 184689

Ion	Ratio	Lower	Upper
92	100		
91	179.4	143.4	215.2



ICAL Form



#53
t-1,3-Dichloropropene
Concen: 47.662 ug/l
RT: 10.552 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

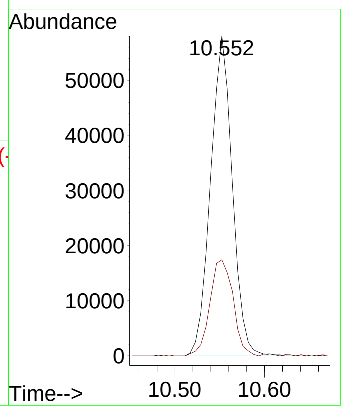
Tgt Ion: 75 Resp: 9818

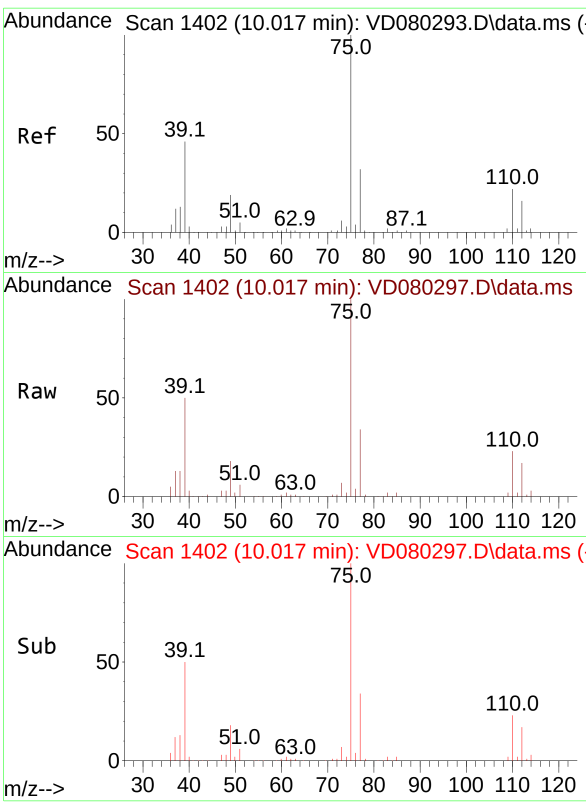
Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.0	39.0

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

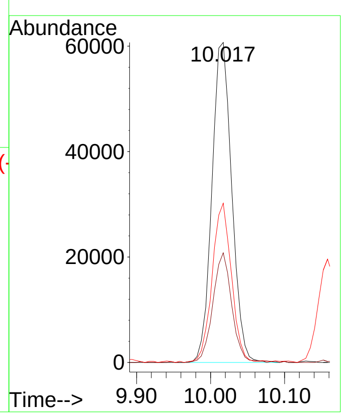




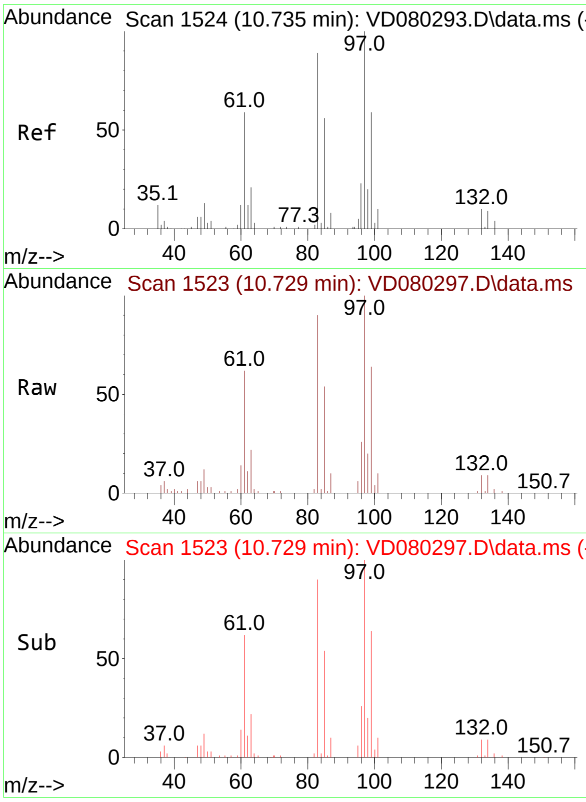
#54
cis-1,3-Dichloropropene
Concen: 47.491 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 75 Resp: 113369

Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.8	38.6
39	49.4	37.0	55.6



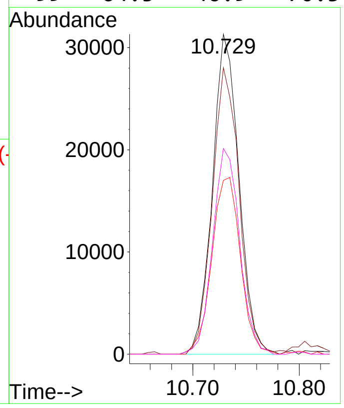
ICAL Form



#55
1,1,2-Trichloroethane
Concen: 46.116 ug/l
RT: 10.729 min Scan# 1!
Delta R.T. -0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 97 Resp: 54307

Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.0	106.4
85	54.3	44.9	67.3
99	64.3	46.9	70.3



Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations APPROVED

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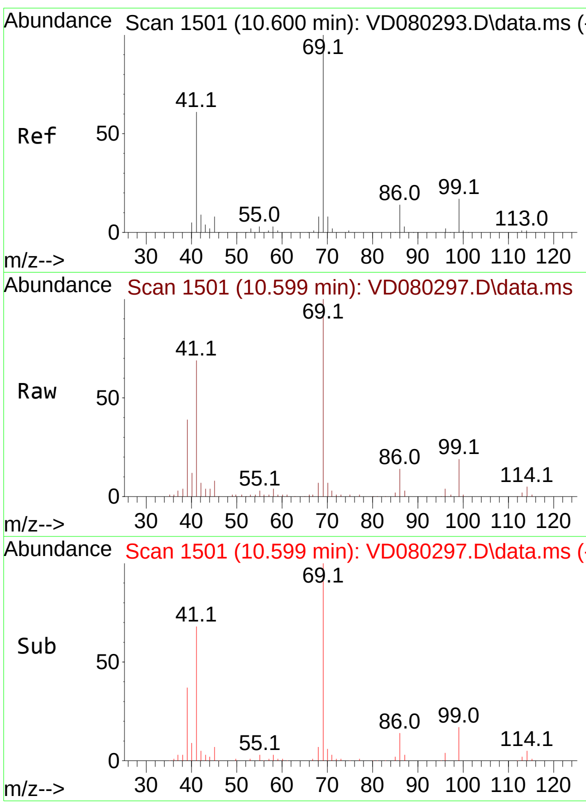
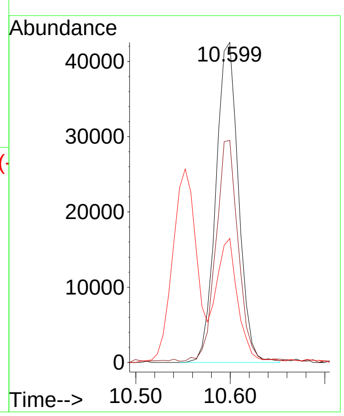
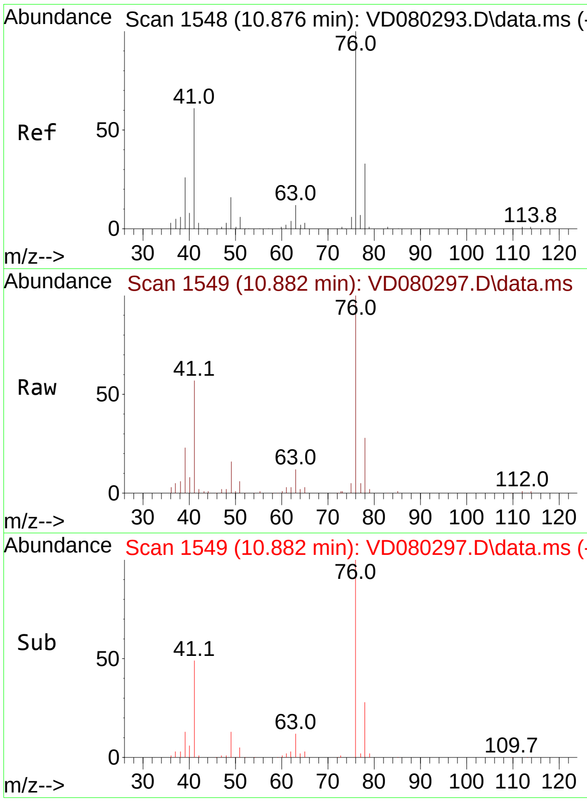


#56
Ethyl methacrylate
Concen: 49.734 ug/l
RT: 10.599 min Scan# 1501
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 69 Resp: 70970

Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.2	79.8
39	36.0	28.2	42.2





#57
1,3-Dichloropropane
Concen: 48.588 ug/l
RT: 10.882 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 76 Resp: 9509

Ion	Ratio	Lower	Upper
76	100		
78	31.5	27.2	40.8

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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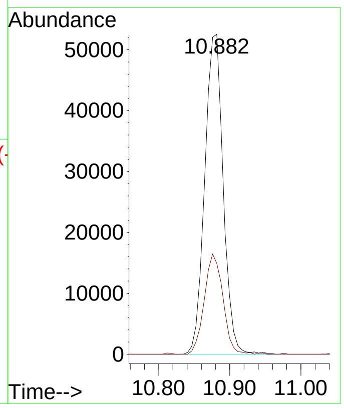
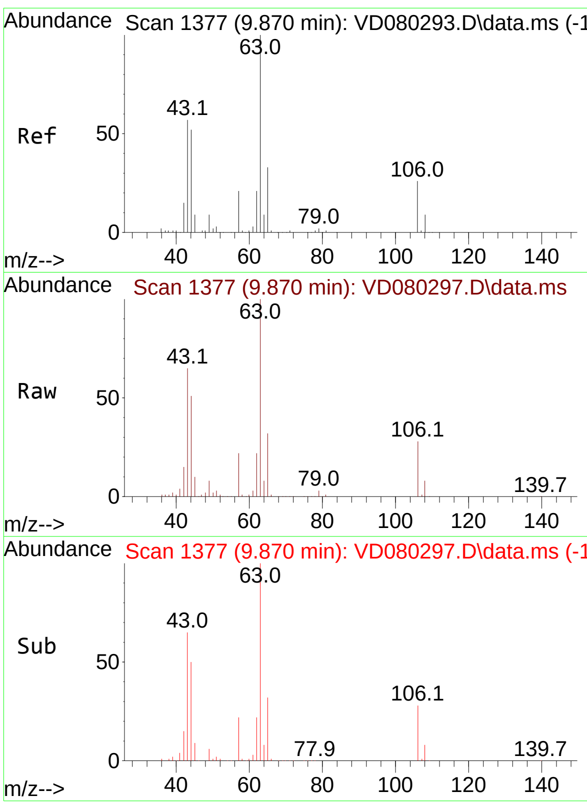
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

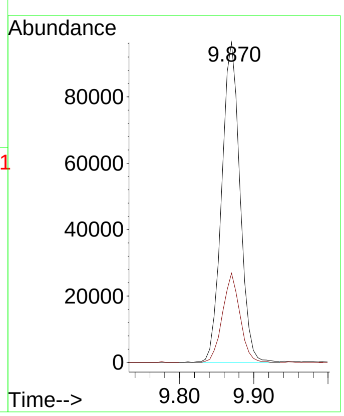




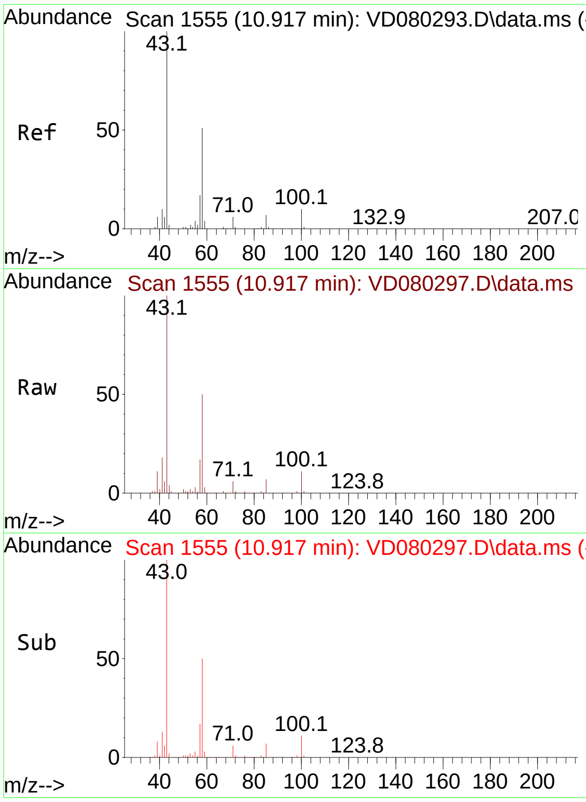
#58
2-Chloroethyl Vinyl ether
Concen: 282.016 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 63 Resp: 164692

Ion	Ratio	Lower	Upper
63	100		
106	26.6	20.8	31.2



ICAL Form



#59
2-Hexanone
Concen: 252.611 ug/l
RT: 10.917 min Scan# 1!
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

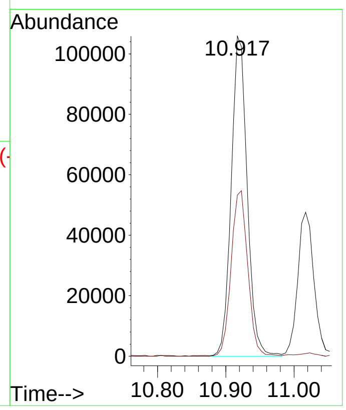
Tgt Ion: 43 Resp: 172755

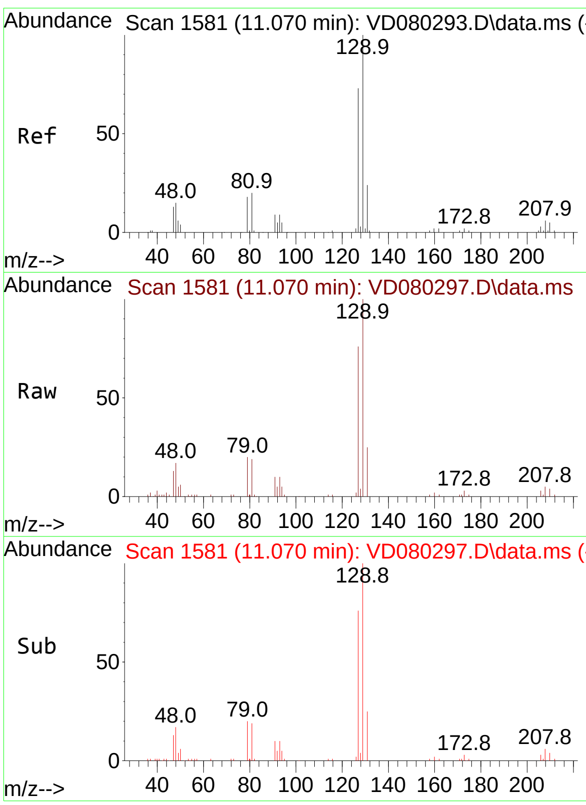
Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.3	78.9

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

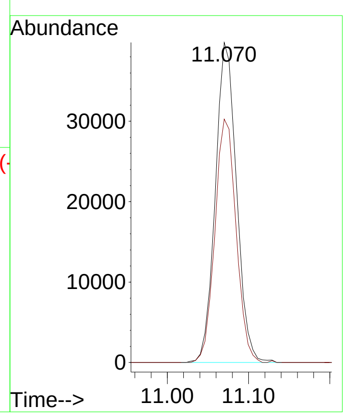




#60
Dibromochloromethane
Concen: 48.844 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:129 Resp: 72084

Ion	Ratio	Lower	Upper
129	100		
127	76.1	37.6	112.8



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Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

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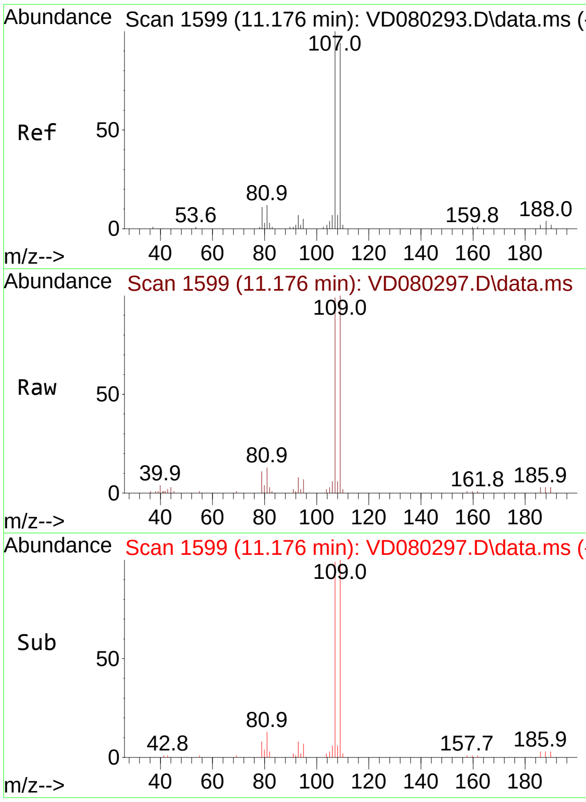
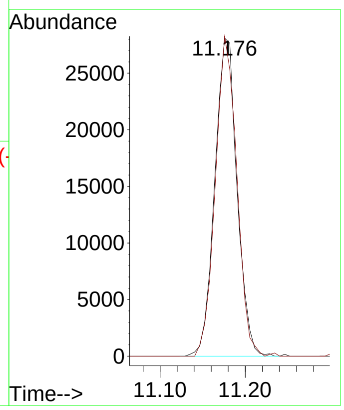
Supervised By :Semsettin Yesilyurt 05/07/2025

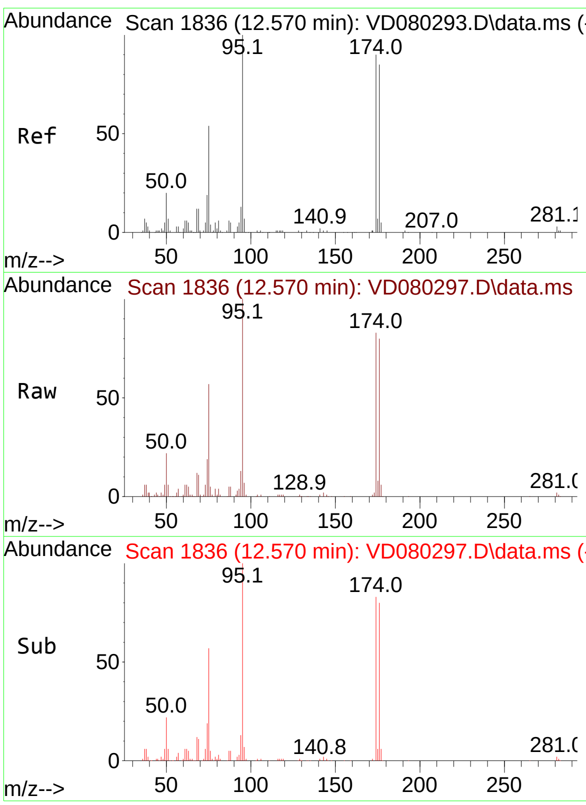


#61
1,2-Dibromoethane
Concen: 46.857 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:107 Resp: 5116

Ion	Ratio	Lower	Upper
107	100		
109	96.8	74.8	112.2

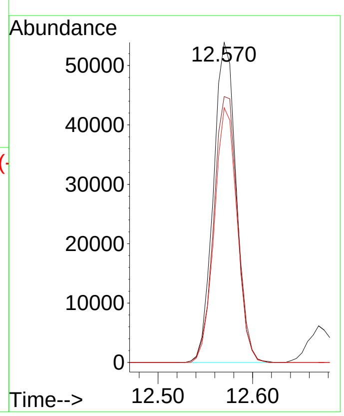


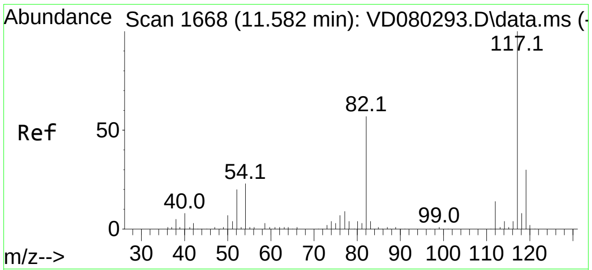


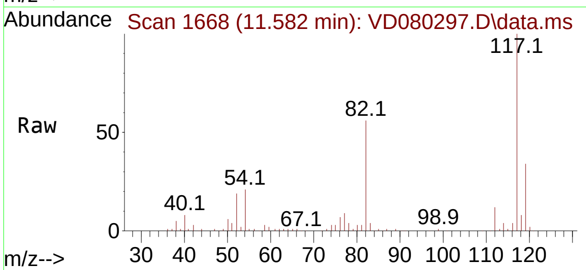
#62
4-Bromofluorobenzene
Concen: 52.232 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

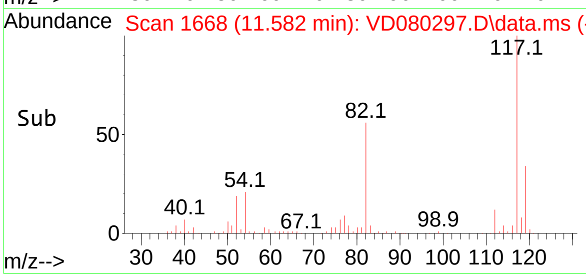
Tgt Ion: 95 Resp: 89935

Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	170.0
176	80.2	0.0	167.8










```
#63
Chlorobenzene-d5
Concen:   50.000 ug/l
RT:  11.582 min  Scan# 1
Delta R.T.  -0.000 min
Lab File:   VD080297.D
Acq: 06 May 2025  16:43

Tgt Ion:117 Resp:  19471
Ion  Ratio  Lower  Upper
117  100
 82   56.1   45.5   68.3
119   33.6   24.0   36.0
```

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

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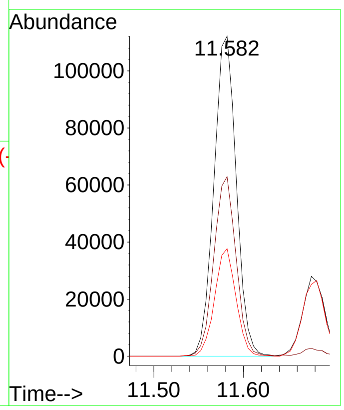
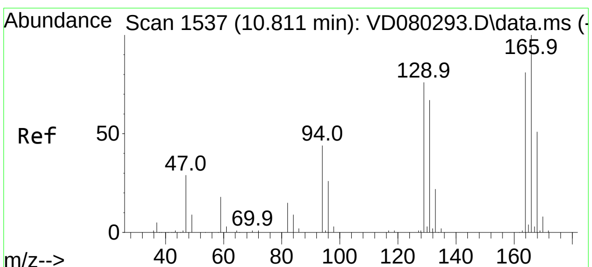
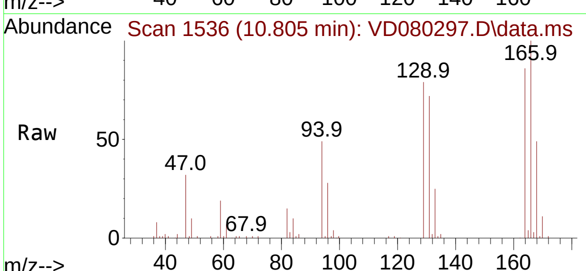
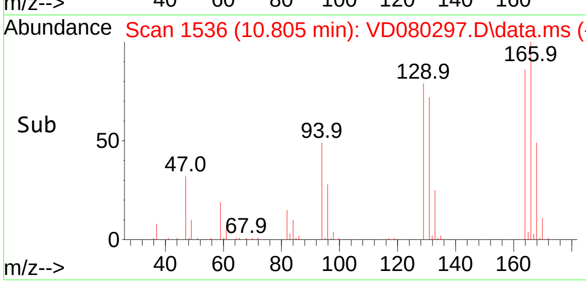


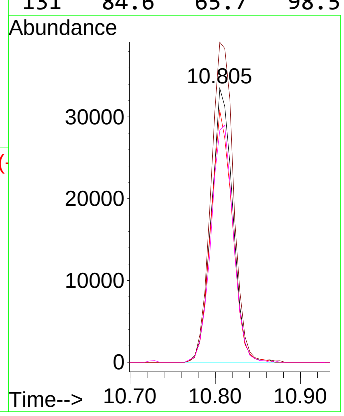


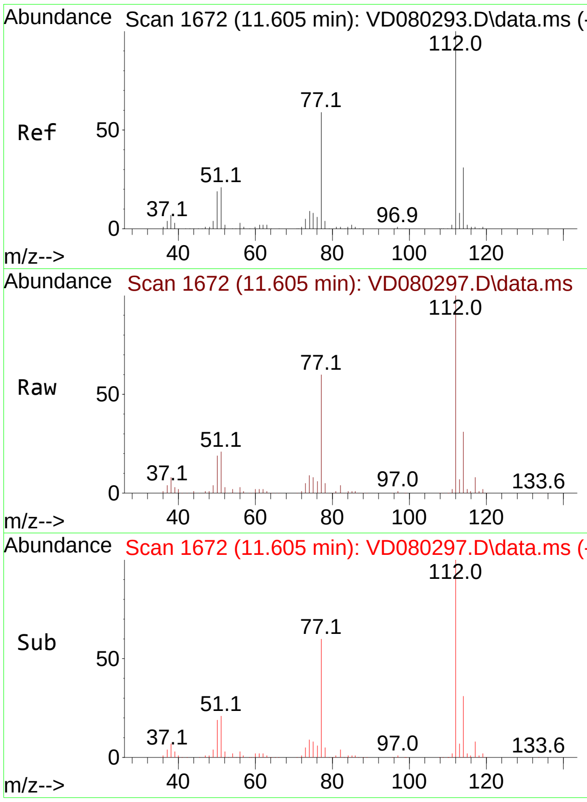





```
#64
Tetrachloroethene
Concen:   44.389 ug/l
RT:  10.805 min  Scan# 1536
Delta R.T.  -0.006 min
Lab File:   VD080297.D
Acq: 06 May 2025  16:43

Tgt Ion:164 Resp:   58530
Ion  Ratio  Lower  Upper
164  100
166  116.8   98.2  147.2
129   92.0   74.6  111.8
131   84.6   65.7   98.5
```





#65
Chlorobenzene
Concen: 45.411 ug/l
RT: 11.605 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

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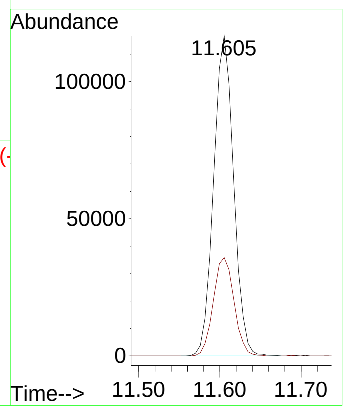
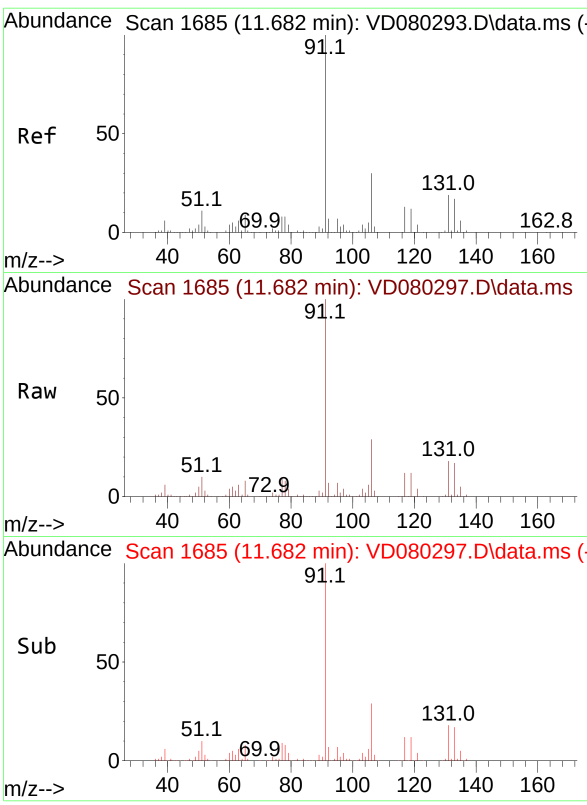
Tgt Ion:112 Resp: 19965

Ion	Ratio	Lower	Upper
112	100		
114	30.8	24.4	36.6

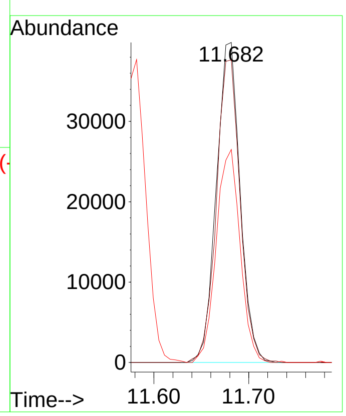




#66
1,1,1,2-Tetrachloroethane
Concen: 45.976 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:131 Resp: 69446

Ion	Ratio	Lower	Upper
131	100		
133	94.7	46.8	140.3
119	67.1	33.1	99.2



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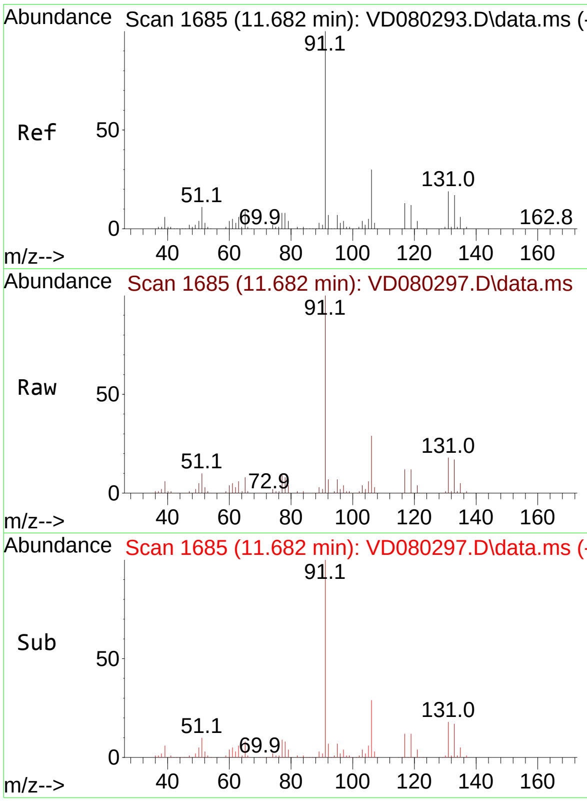

#67
Ethyl Benzene
Concen: 46.906 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion: 91 Resp: 344626

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.9	35.9

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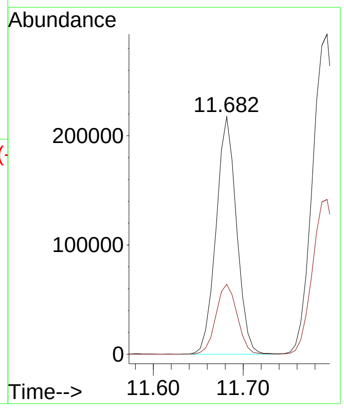
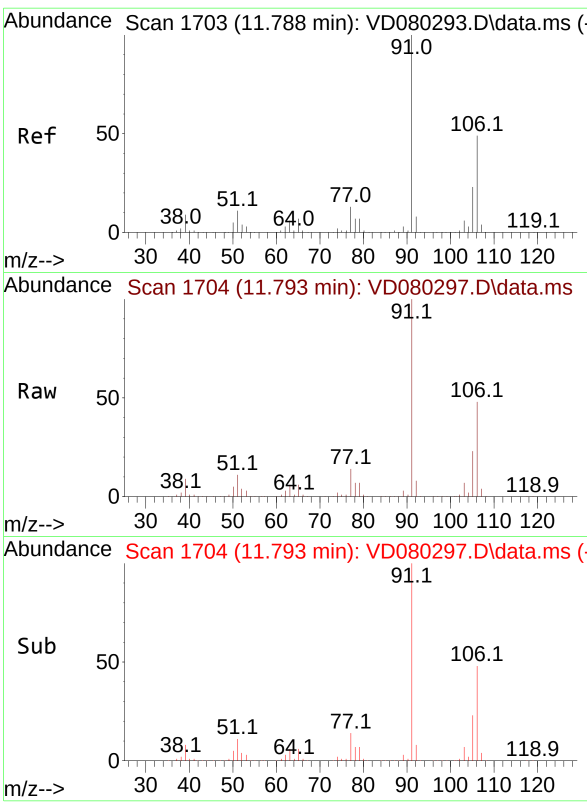
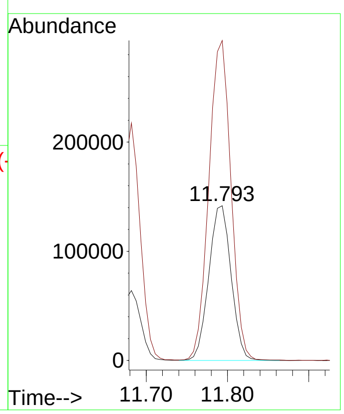


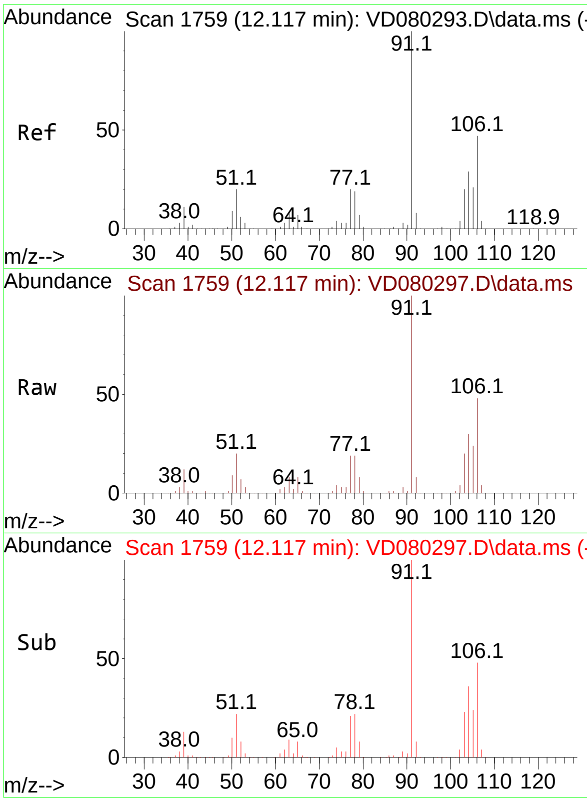


#68
m/p-Xylenes
Concen: 94.775 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:106 Resp: 270374

Ion	Ratio	Lower	Upper
106	100		
91	205.3	164.1	246.1





#69
o-Xylene
Concen: 48.445 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument : MSVOA_D
ClientSampleId : ICVVD050625

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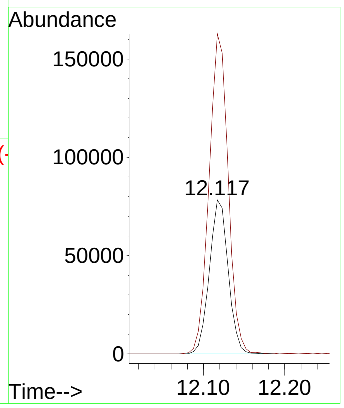
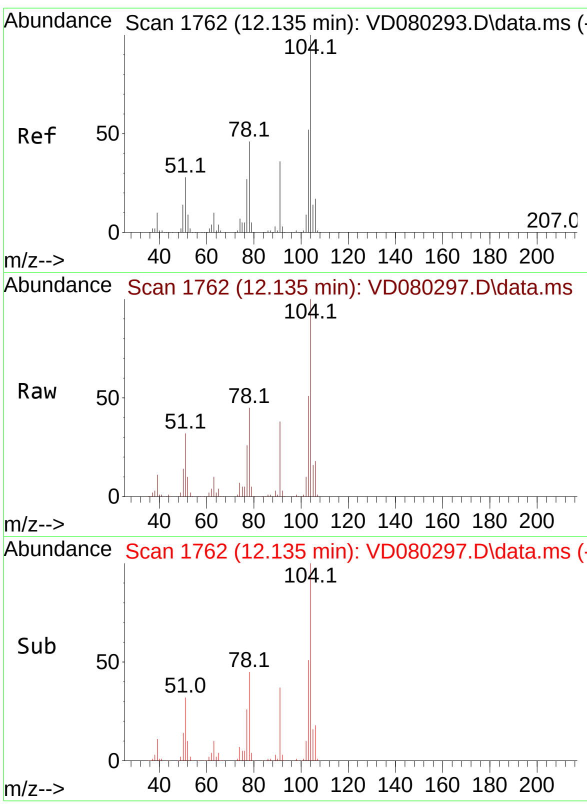
Tgt Ion:106 Resp: 126290

Ion	Ratio	Lower	Upper
106	100		
91	211.3	109.3	328.1

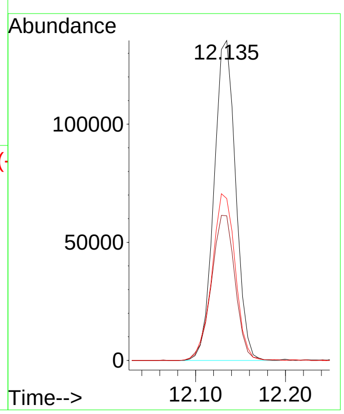


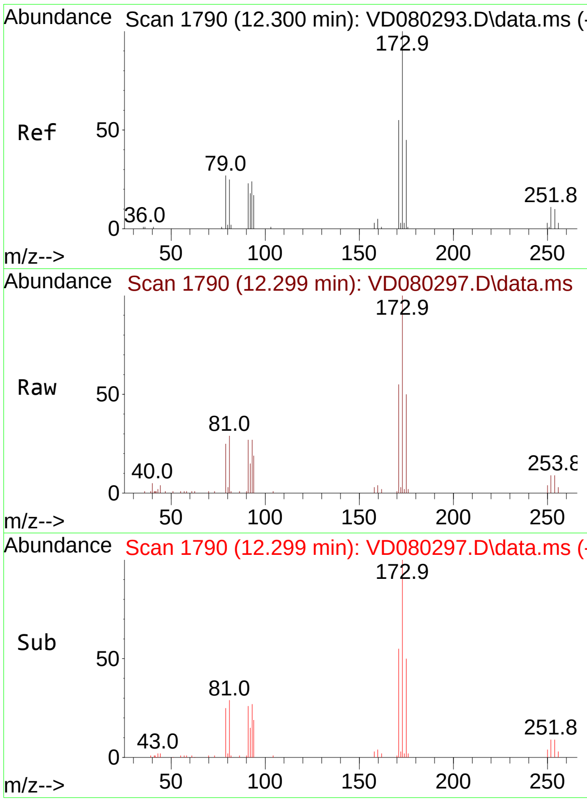


#70
Styrene
Concen: 48.751 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:104 Resp: 228204

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.8	59.6
103	55.9	44.2	66.4





#71
Bromoform
Concen: 45.753 ug/l
RT: 12.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion:173 Resp: 4106

Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.8	71.2
254	0.0	0.0	0.0

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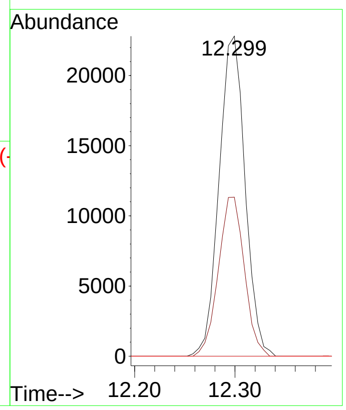
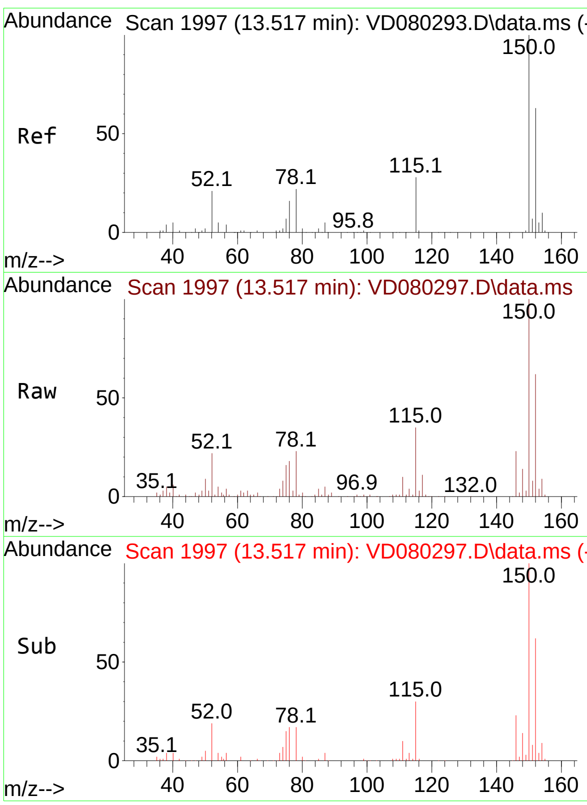
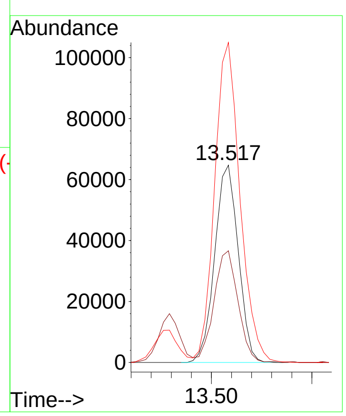


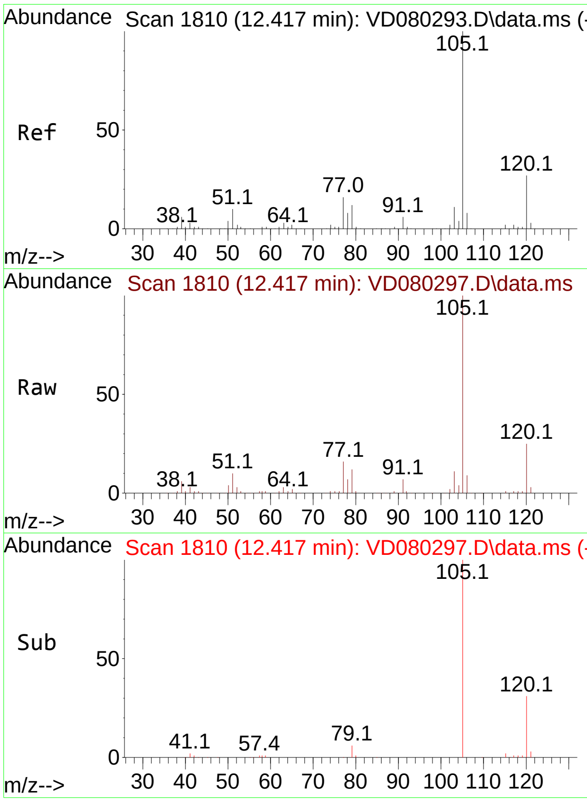


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:152 Resp: 105584

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.0	87.1
150	174.3	0.0	354.6





#73
Isopropylbenzene
Concen: 45.895 ug/l
RT: 12.417 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion:105 Resp: 314338

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.1

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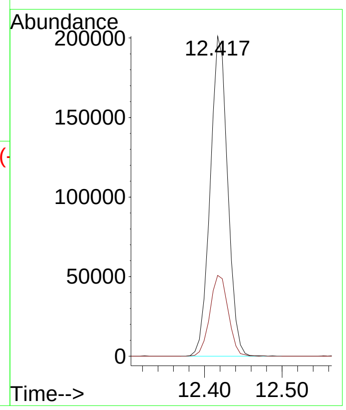
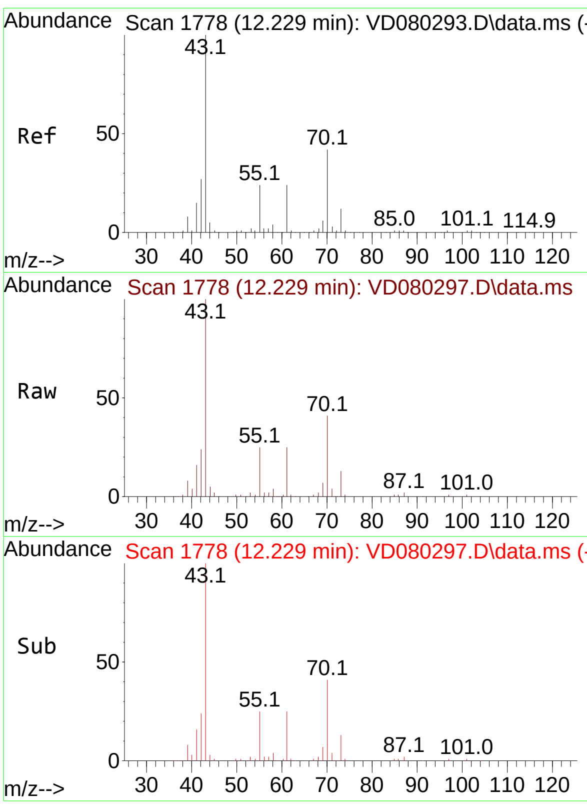
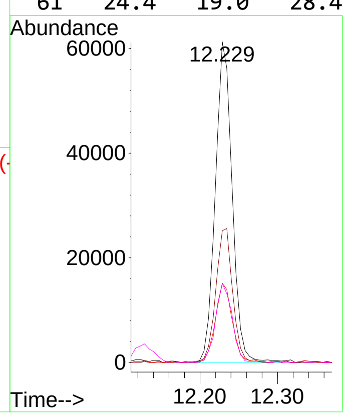


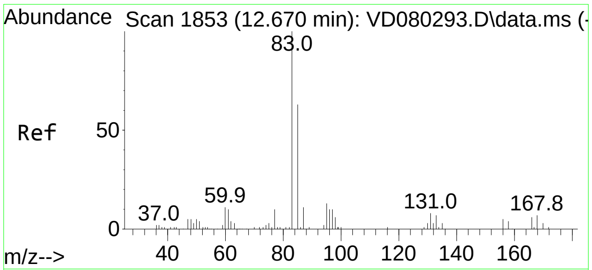


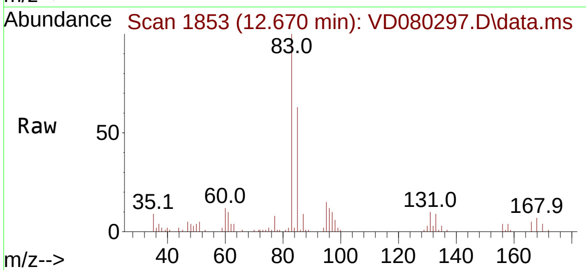
#74
N-amyl acetate
Concen: 47.118 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

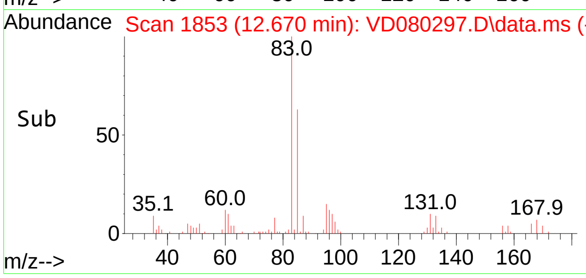
Tgt Ion: 43 Resp: 92622

Ion	Ratio	Lower	Upper
43	100		
70	41.6	33.8	50.8
55	25.0	20.8	31.2
61	24.4	19.0	28.4









#75
1,1,2,2-Tetrachloroethane
Concen: 44.895 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 83 Resp: 6761

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.1	32.6	98.0

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
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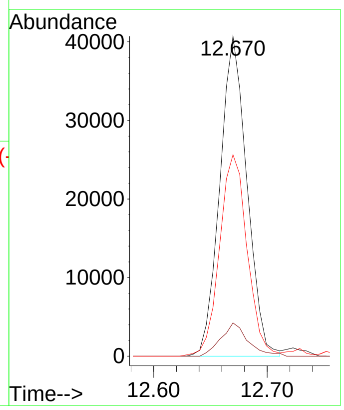
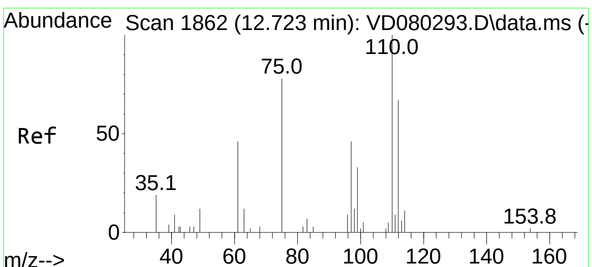
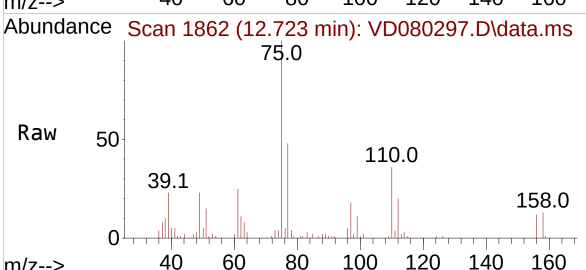
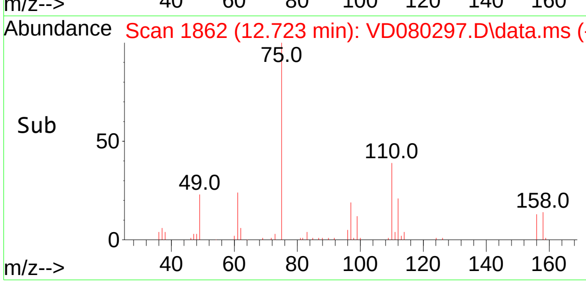




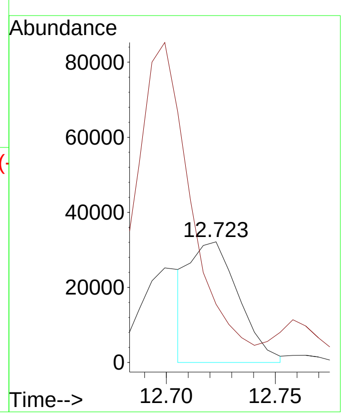


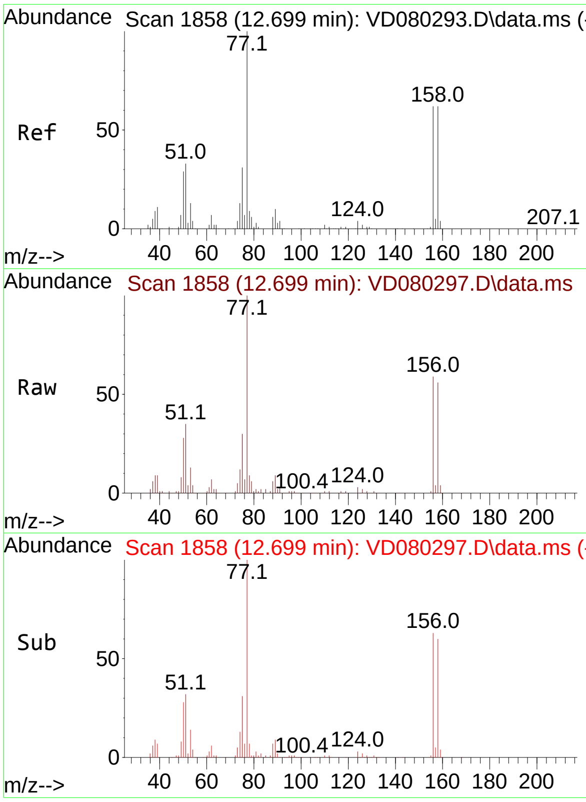


#76
1,2,3-Trichloropropane
Concen: 49.595 ug/l m
RT: 12.723 min Scan# 1862
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 75 Resp: 50539

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 45.673 ug/l
RT: 12.699 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:156 Resp: 8114

Ion	Ratio	Lower	Upper
156	100		
77	188.6	91.6	274.8
158	97.2	47.4	142.2

Instrument :
MSVOA_D
ClientSampleId :
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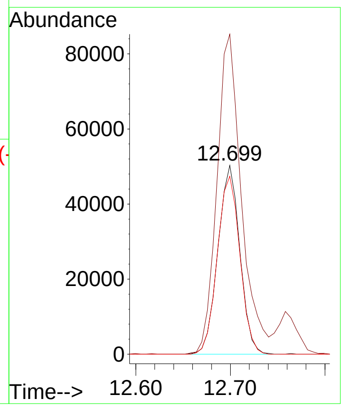
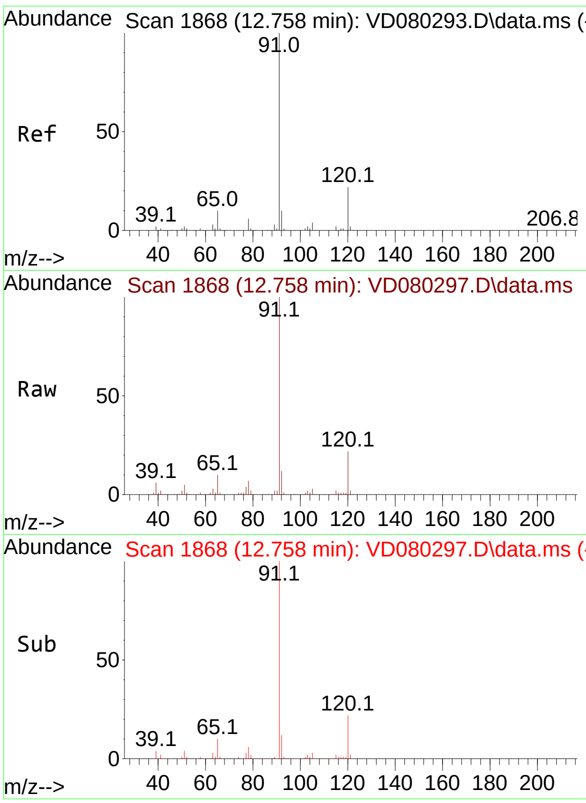
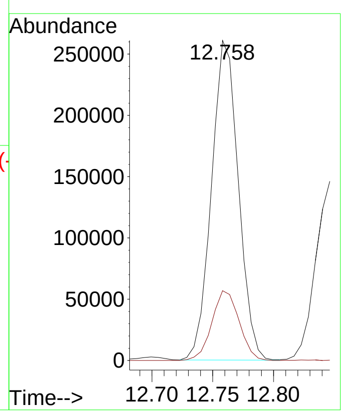


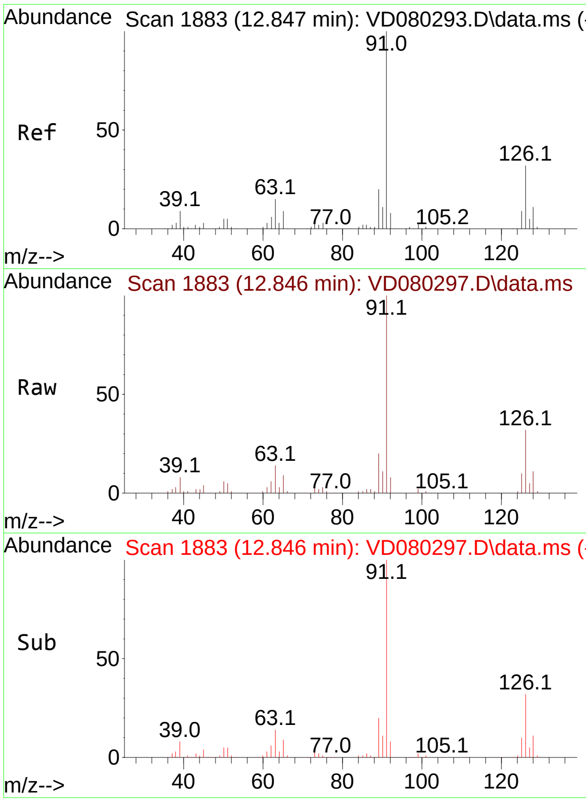


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 91 Resp: 401350

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0





#79
2-Chlorotoluene
Concen: 46.853 ug/l
RT: 12.846 min Scan# 1
Delta R.T.   -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

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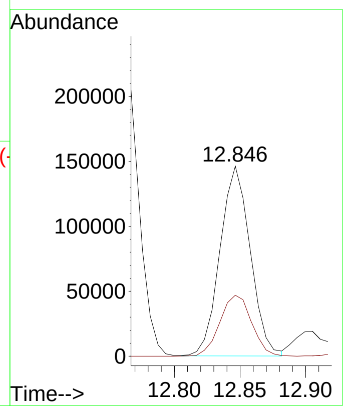
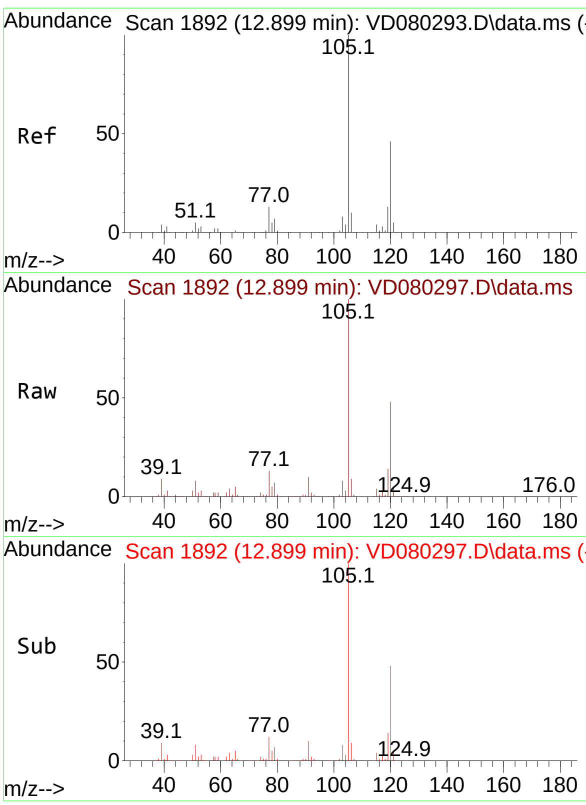
Reviewed By :Mahesh Dadoda   05/07/2025
Supervised By :Semsettin Yesilyurt   05/07/2025

Tgt Ion: 91 Resp: 23424

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.2

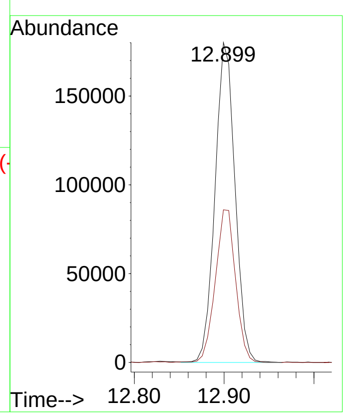




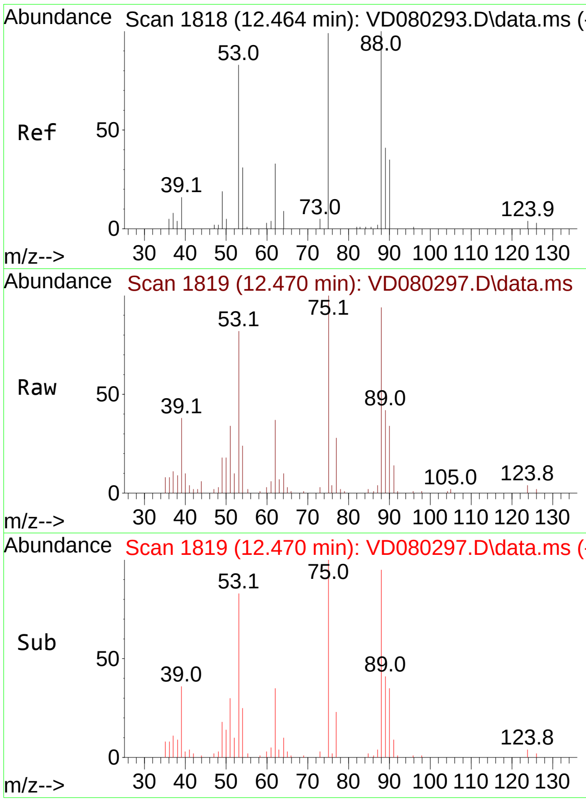
#80
1,3,5-Trimethylbenzene
Concen: 47.634 ug/l
RT: 12.899 min   Scan# 1892
Delta R.T.   -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025   16:43

Tgt Ion:105 Resp: 278265

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.9	71.8



ICAL Form



#81
trans-1,4-Dichloro-2-butene
Concen: 45.939 ug/l
RT: 12.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

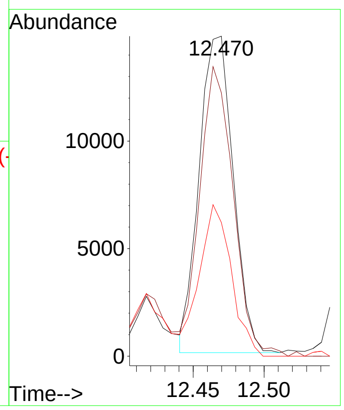
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

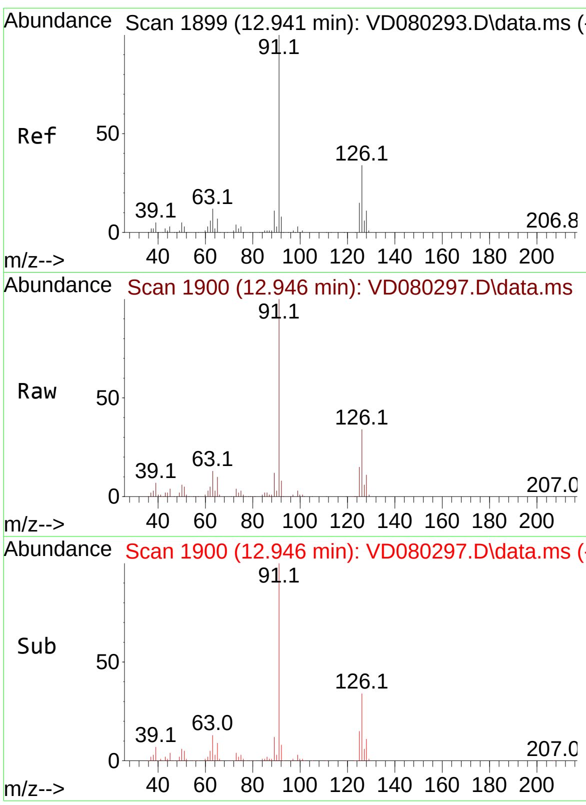
Tgt Ion: 75 Resp: 2466

Ion	Ratio	Lower	Upper
75	100		
53	91.9	70.8	106.2
89	44.8	35.9	53.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

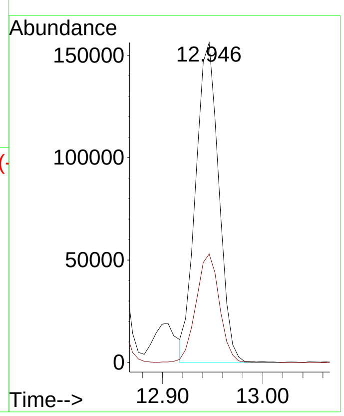




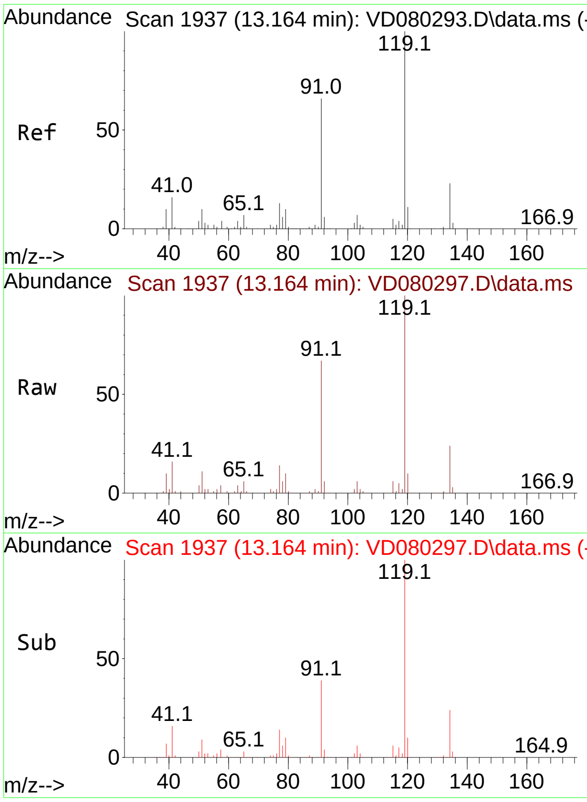
#82
4-Chlorotoluene
Concen: 46.524 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 91 Resp: 251073

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.1	51.3



ICAL Form



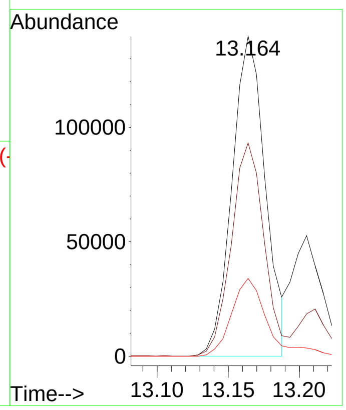
#83
tert-Butylbenzene
Concen: 46.656 ug/l
RT: 13.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

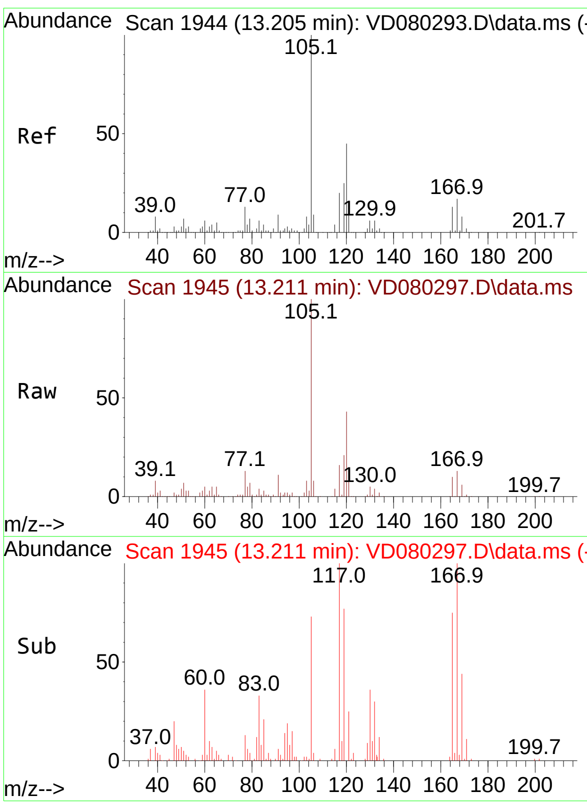
Tgt Ion:119 Resp: 22743

Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.3	99.8
134	26.2	13.3	39.9

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

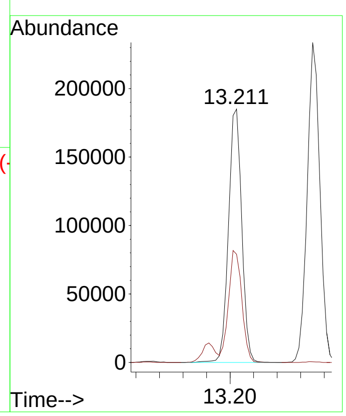




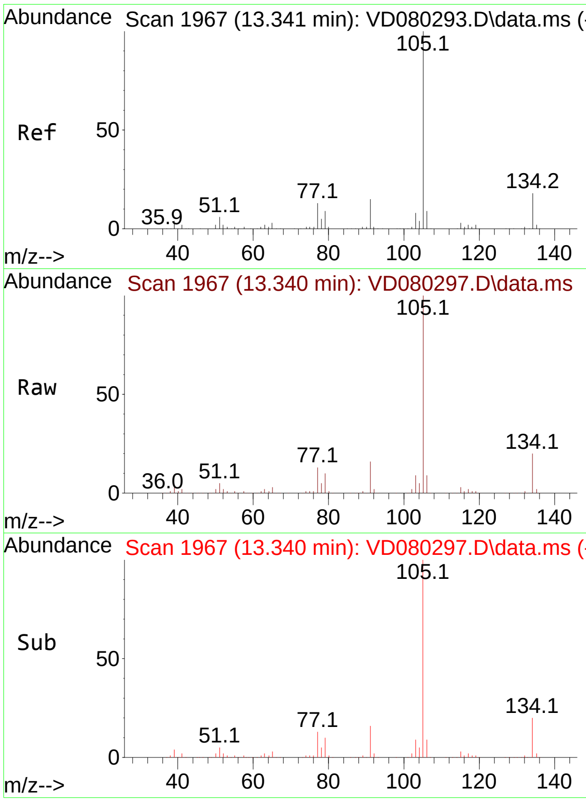
#84
1,2,4-Trimethylbenzene
Concen: 48.365 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:105 Resp: 289078

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8



ICAL Form



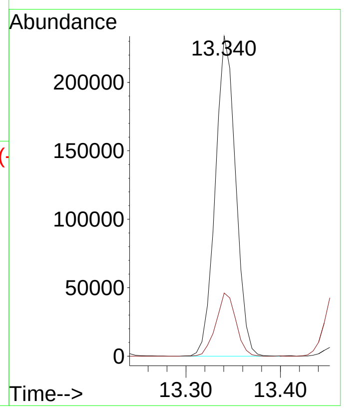
#85
sec-Butylbenzene
Concen: 46.620 ug/l
RT: 13.340 min Scan# 19
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

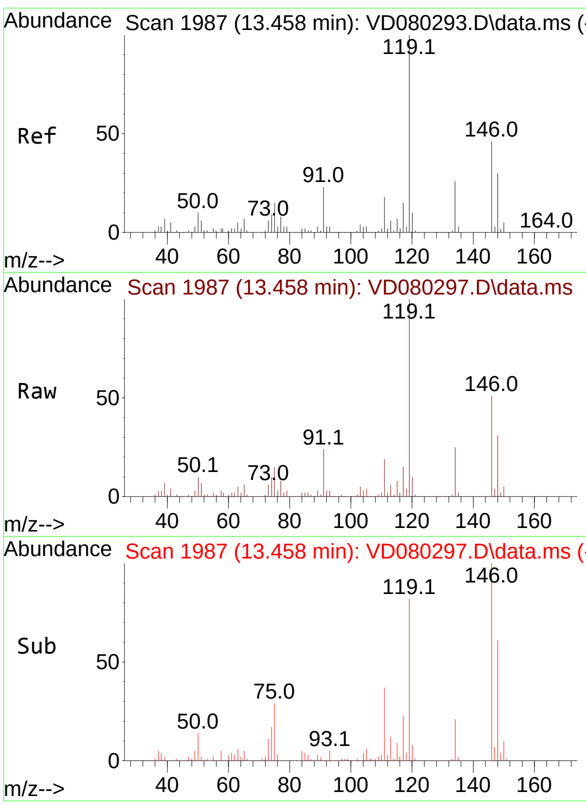
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Tgt Ion:105 Resp: 35045

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

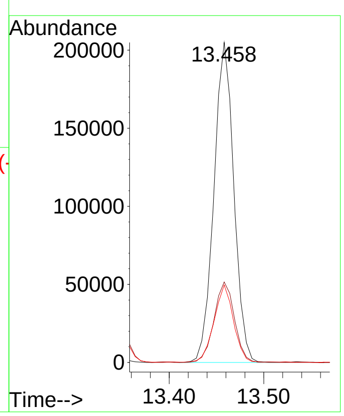


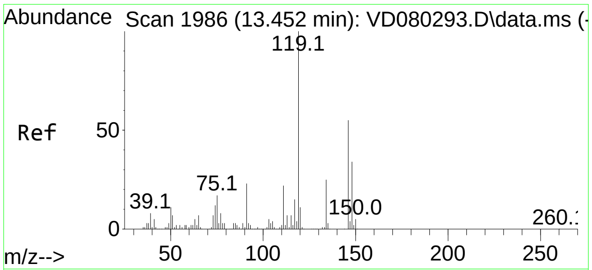


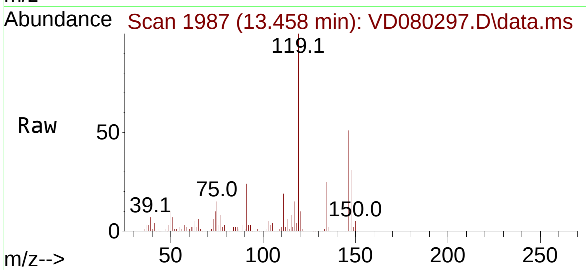
#86
p-Isopropyltoluene
Concen: 47.567 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

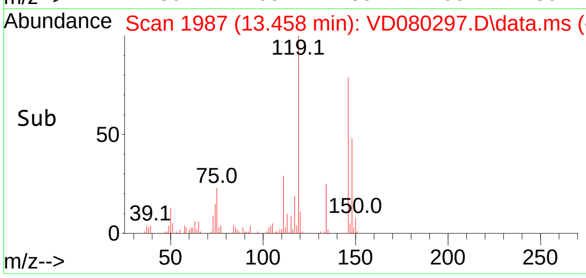
Tgt Ion:119 Resp: 300526

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	23.4	11.7	35.0









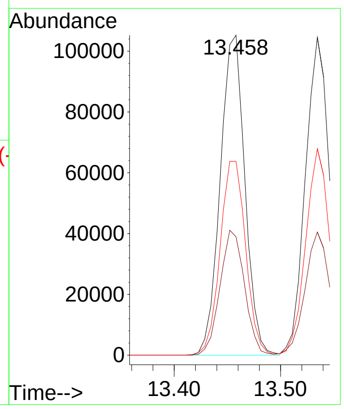
#87
1,3-Dichlorobenzene
Concen: 45.824 ug/l
RT: 13.458 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

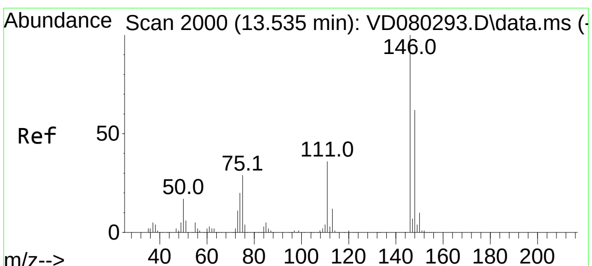
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

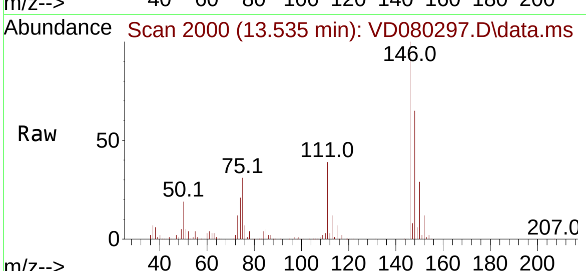
Tgt Ion:146 Resp: 16977

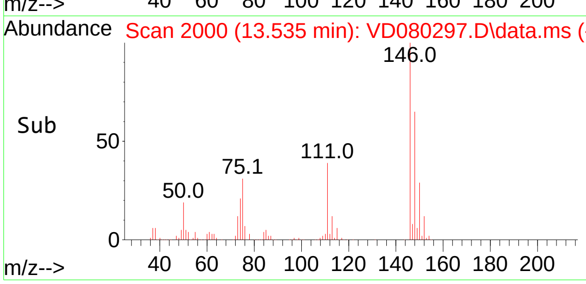
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	62.8	31.9	95.9

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





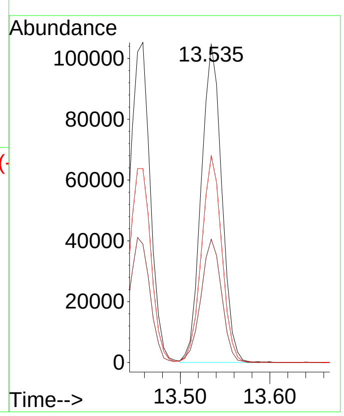




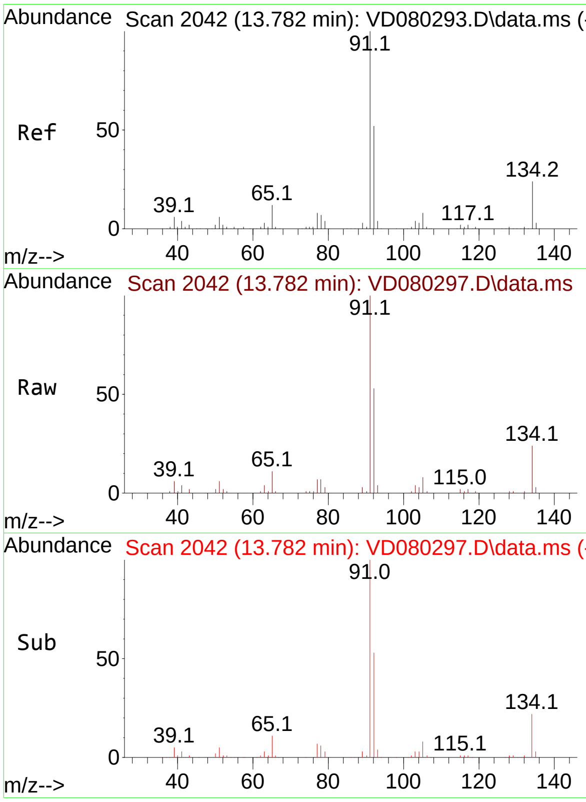
#88
1,4-Dichlorobenzene
Concen: 44.632 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:146 Resp: 166704

Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.5
148	64.0	31.4	94.0



ICAL Form



#89
n-Butylbenzene
Concen: 45.601 ug/l
RT: 13.782 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

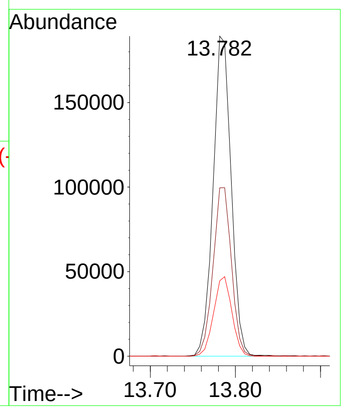
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

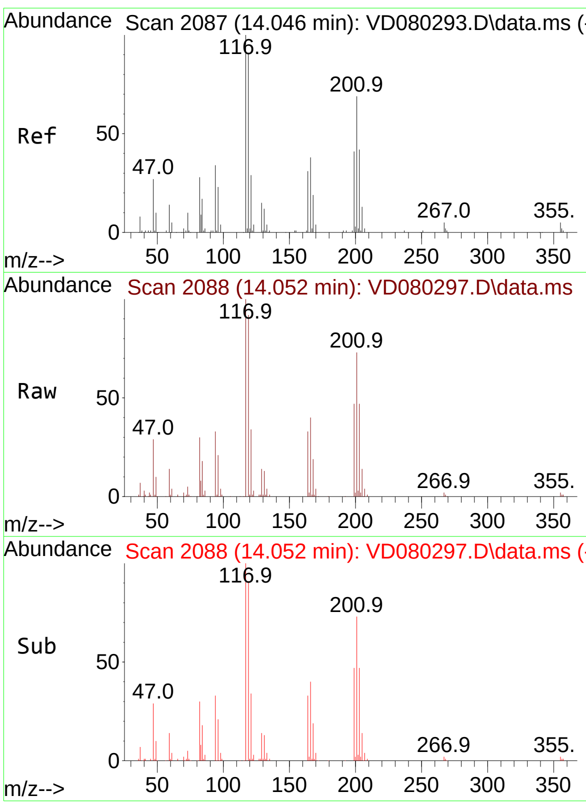
Tgt Ion: 91 Resp: 27967

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.1	78.2
134	25.0	12.0	36.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

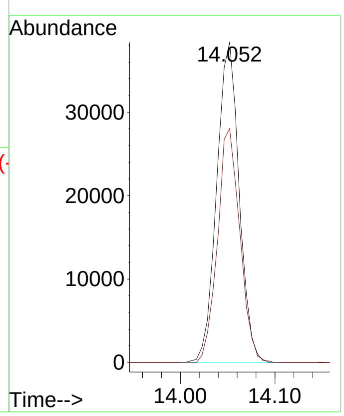




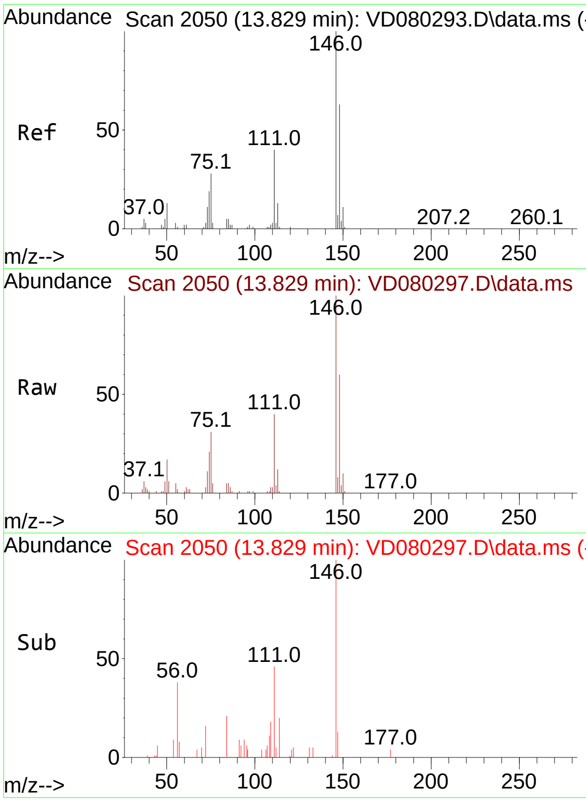
#90
Hexachloroethane
Concen: 45.361 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:117 Resp: 63410

Ion	Ratio	Lower	Upper
117	100		
201	72.8	36.9	110.6



ICAL Form



#91
1,2-Dichlorobenzene
Concen: 46.163 ug/l
RT: 13.829 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

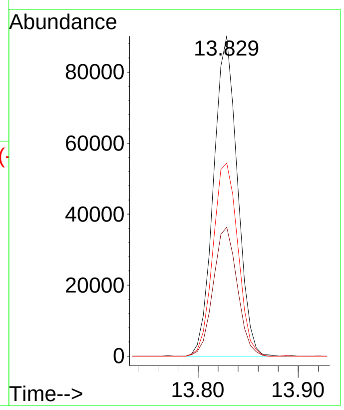
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

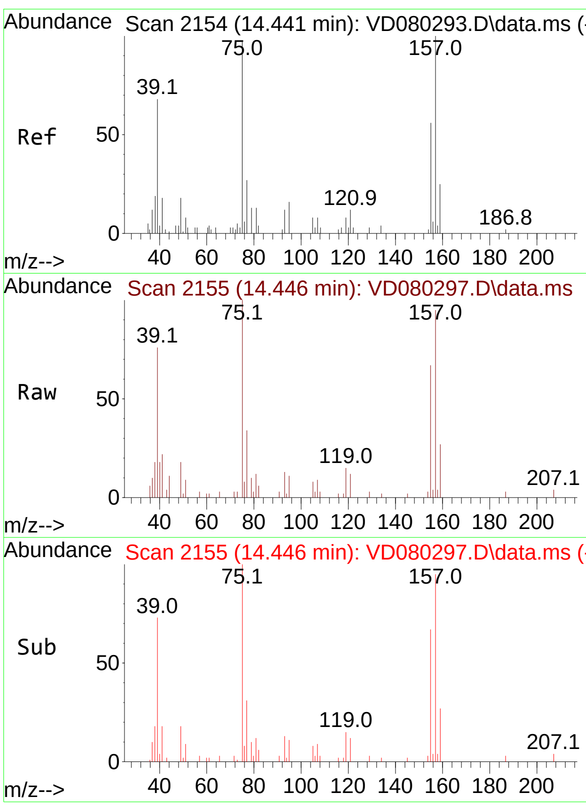
Tgt Ion:146 Resp: 14857

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.5
148	63.1	32.4	97.2

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025

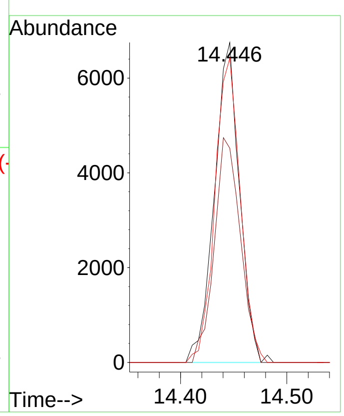




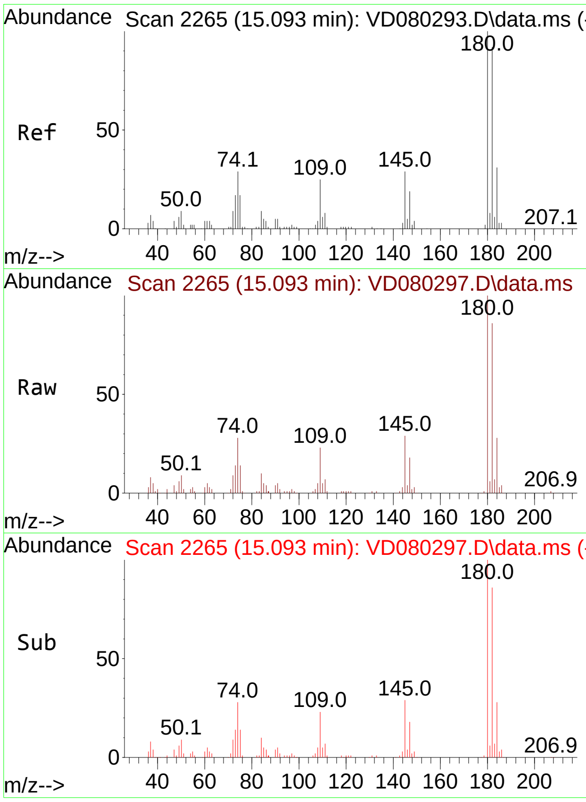
#92
1,2-Dibromo-3-Chloropropane
Concen: 46.117 ug/l
RT: 14.446 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion: 75 Resp: 11070

Ion	Ratio	Lower	Upper
75	100		
155	72.9	36.3	108.7
157	96.2	52.9	158.8



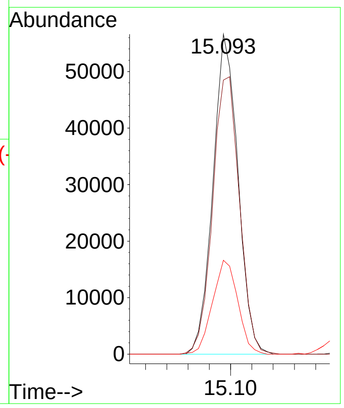
ICAL Form



#93
1,2,4-Trichlorobenzene
Concen: 45.656 ug/l
RT: 15.093 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

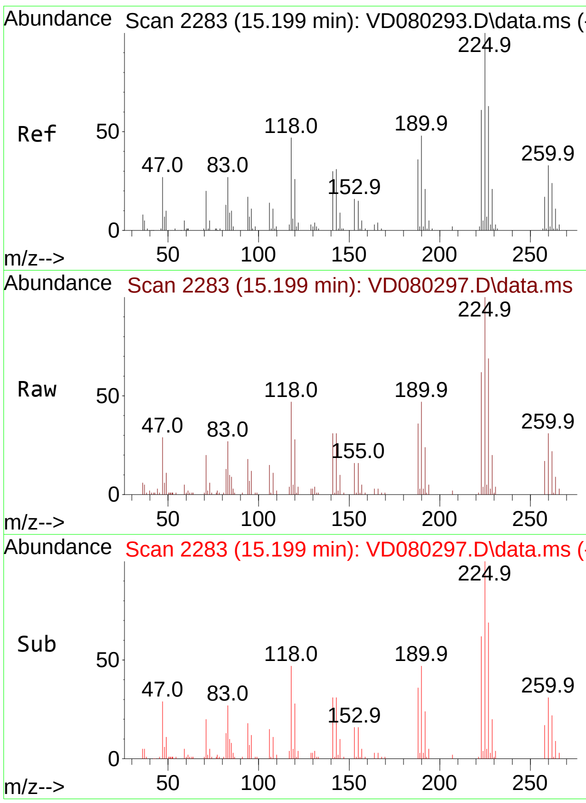
Tgt Ion:180 Resp: 9241

Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.7	140.1
145	29.7	14.9	44.5



Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

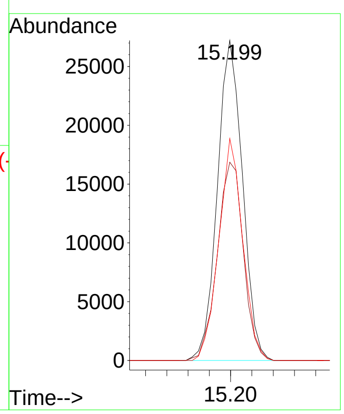
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025



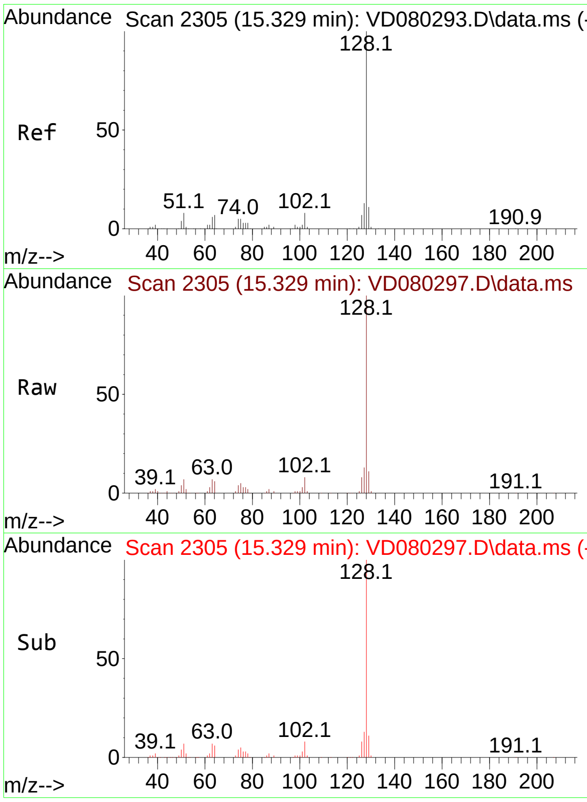
#94
Hexachlorobutadiene
Concen: 42.374 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:225 Resp: 44621

Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.3	90.8
227	66.2	32.0	96.2



ICAL Form



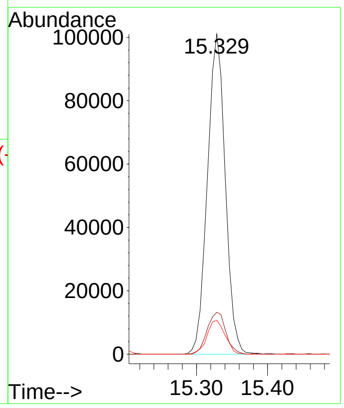
#95
Naphthalene
Concen: 46.464 ug/l
RT: 15.329 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

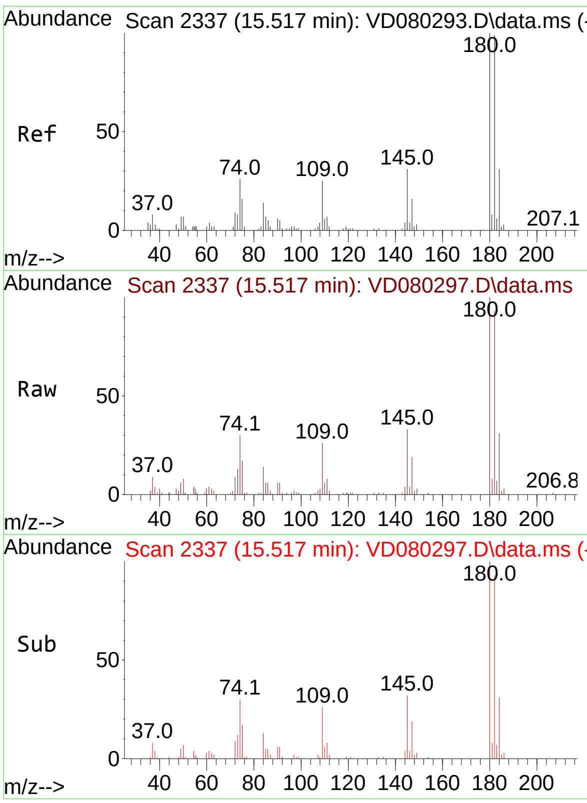
Tgt Ion:128 Resp: 176588
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.6 8.7 13.1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Manual Integrations
APPROVED

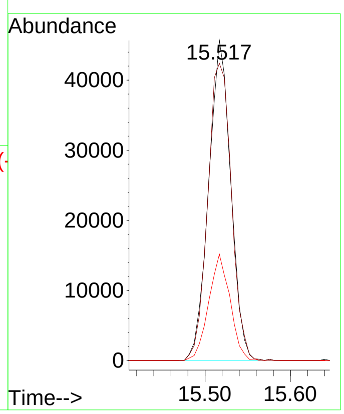
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





#96
1,2,3-Trichlorobenzene
Concen: 45.572 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD080297.D
Acq: 06 May 2025 16:43

Tgt Ion:180 Resp: 82498
Ion Ratio Lower Upper
180 100
182 98.9 48.3 144.9
145 32.0 15.6 46.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : ICVVD050625

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.543	0.381	29.8#	90	0.00
3	P	Chloromethane	1.039	0.832	19.9	95	0.00
4	C	Vinyl Chloride	1.300	1.054	18.9#	91	0.00
5	T	Bromomethane	0.936	0.772	17.5	97	-0.01
6	T	Chloroethane	0.919	0.787	14.4	93	0.00
7	T	Trichlorofluoromethane	0.997	0.832	16.5	90	0.00
8	T	Diethyl Ether	0.308	0.287	6.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.490	20.2	86	-0.01
10	T	Methyl Iodide	0.626	0.607	3.0	94	0.00
11	T	Tert butyl alcohol	0.039	0.036	7.7	97	0.01
12	CM	1,1-Dichloroethene	0.605	0.506	16.4#	90	0.00
13	T	Acrolein	0.069	0.070	-1.4	103	0.00
14	T	Allyl chloride	0.952	0.892	6.3	97	0.00
15	T	Acrylonitrile	0.148	0.140	5.4	99	0.00
16	T	Acetone	0.119	0.102	14.3	97	0.00
17	T	Carbon Disulfide	2.102	1.781	15.3	93	0.00
18	T	Methyl Acetate	0.418	0.386	7.7	102	0.00
19	T	Methyl tert-butyl Ether	1.330	1.339	-0.7	99	0.00
20	T	Methylene Chloride	0.825	0.690	16.4	97	0.00
21	T	trans-1,2-Dichloroethene	0.658	0.607	7.8	95	0.00
22	T	Diisopropyl ether	1.961	1.962	-0.1	96	0.00
23	T	Vinyl Acetate	1.142	1.151	-0.8	95	0.00
24	P	1,1-Dichloroethane	1.234	1.141	7.5	95	0.00
25	T	2-Butanone	0.178	0.168	5.6	93	0.00
26	T	2,2-Dichloropropane	0.982	0.872	11.2	91	0.00
27	T	cis-1,2-Dichloroethene	0.729	0.710	2.6	99	0.00
28	T	Bromochloromethane	0.575	0.559	2.8	96	0.00
29	T	Tetrahydrofuran	0.116	0.114	1.7	95	0.00
30	C	Chloroform	1.231	1.171	4.9#	97	0.00
31	T	Cyclohexane	1.050	0.882	16.0	88	0.00
32	T	1,1,1-Trichloroethane	1.004	0.934	7.0	96	0.00
33	S	1,2-Dichloroethane-d4	0.647	0.675	-4.3	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.335	0.352	-5.1	102	0.00
36	T	1,1-Dichloropropene	0.501	0.461	8.0	94	0.00
37	T	Ethyl Acetate	0.262	0.237	9.5	94	0.00
38	T	Carbon Tetrachloride	0.522	0.455	12.8	90	0.00
39	T	Methylcyclohexane	0.581	0.499	14.1	89	0.00
40	TM	Benzene	1.569	1.462	6.8	97	0.00
41	T	Methacrylonitrile	0.145	0.147	-1.4	110	0.00
42	TM	1,2-Dichloroethane	0.455	0.422	7.3	97	0.00
43	T	Isopropyl Acetate	0.475	0.450	5.3	95	0.00
44	TM	Trichloroethene	0.364	0.333	8.5	97	0.00
45	C	1,2-Dichloropropane	0.402	0.385	4.2#	97	0.00
46	T	Dibromomethane	0.219	0.213	2.7	99	0.00
47	T	Bromodichloromethane	0.556	0.527	5.2	97	0.00
48	T	Methyl methacrylate	0.226	0.221	2.2	97	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 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	0.003	0.003	0.0	101	0.00
50	S	Toluene-d8	1.320	1.368	-3.6	99	0.00
51	T	4-Methyl-2-Pentanone	0.245	0.248	-1.2	97	0.00
52	CM	Toluene	0.945	0.909	3.8#	96	0.00
53	T	t-1,3-Dichloropropene	0.507	0.483	4.7	96	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.558	5.1	94	0.00
55	T	1,1,2-Trichloroethane	0.290	0.267	7.9	91	0.00
56	T	Ethyl methacrylate	0.351	0.349	0.6	93	0.00
57	T	1,3-Dichloropropane	0.482	0.468	2.9	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.144	0.162	-12.5	101	0.00
59	T	2-Hexanone	0.168	0.170	-1.2	97	0.00
60	T	Dibromochloromethane	0.363	0.355	2.2	97	0.00
61	T	1,2-Dibromoethane	0.269	0.252	6.3	97	0.00
62	S	4-Bromofluorobenzene	0.424	0.443	-4.5	101	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.339	0.301	11.2	96	0.00
65	PM	Chlorobenzene	1.129	1.025	9.2	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.357	8.0	94	0.00
67	C	Ethyl Benzene	1.887	1.770	6.2#	96	0.00
68	T	m/p-Xylenes	0.733	0.694	5.3	94	0.00
69	T	o-Xylene	0.669	0.649	3.0	98	0.00
70	T	Styrene	1.202	1.172	2.5	97	0.00
71	P	Bromoform	0.230	0.211	8.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.243	2.977	8.2	93	0.00
74	T	N-amyl acetate	0.931	0.877	5.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.713	0.640	10.2	98	0.00
76	T	1,2,3-Trichloropropane	0.483	0.479	0.8	98	0.00
77	T	Bromobenzene	0.841	0.769	8.6	94	0.00
78	T	n-propylbenzene	4.070	3.801	6.6	93	0.00
79	T	2-Chlorotoluene	2.368	2.219	6.3	95	0.00
80	T	1,3,5-Trimethylbenzene	2.766	2.635	4.7	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.254	0.234	7.9	94	0.00
82	T	4-Chlorotoluene	2.556	2.378	7.0	97	0.00
83	T	tert-Butylbenzene	2.308	2.154	6.7	94	0.00
84	T	1,2,4-Trimethylbenzene	2.830	2.738	3.3	95	0.00
85	T	sec-Butylbenzene	3.560	3.319	6.8	93	0.00
86	T	p-Isopropyltoluene	2.992	2.846	4.9	93	0.00
87	T	1,3-Dichlorobenzene	1.755	1.608	8.4	96	0.00
88	T	1,4-Dichlorobenzene	1.769	1.579	10.7	95	0.00
89	T	n-Butylbenzene	2.904	2.649	8.8	91	0.00
90	T	Hexachloroethane	0.662	0.601	9.2	95	0.00
91	T	1,2-Dichlorobenzene	1.524	1.407	7.7	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.114	0.105	7.9	98	0.00
93	T	1,2,4-Trichlorobenzene	0.959	0.875	8.8	95	0.00
94	T	Hexachlorobutadiene	0.499	0.423	15.2	89	0.00
95	T	Naphthalene	1.800	1.672	7.1	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 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	0.857	0.781	8.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : ICVVD050625

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	42.412	15.2	90	0.00
3	P	Chloromethane	50.000	48.244	3.5	95	0.00
4	C	Vinyl Chloride	50.000	40.558	18.9#	91	0.00
5	T	Bromomethane	50.000	41.260	17.5	97	-0.01
6	T	Chloroethane	50.000	42.793	14.4	93	0.00
7	T	Trichlorofluoromethane	50.000	41.757	16.5	90	0.00
8	T	Diethyl Ether	50.000	46.590	6.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	39.891	20.2	86	-0.01
10	T	Methyl Iodide	50.000	48.458	3.1	94	0.00
11	T	Tert butyl alcohol	250.000	230.766	7.7	97	0.01
12	CM	1,1-Dichloroethene	50.000	41.756	16.5#	90	0.00
13	T	Acrolein	250.000	253.759	-1.5	103	0.00
14	T	Allyl chloride	50.000	46.816	6.4	97	0.00
15	T	Acrylonitrile	250.000	236.284	5.5	99	0.00
16	T	Acetone	250.000	258.617	-3.4	97	0.00
17	T	Carbon Disulfide	50.000	42.347	15.3	93	0.00
18	T	Methyl Acetate	50.000	46.179	7.6	102	0.00
19	T	Methyl tert-butyl Ether	50.000	50.341	-0.7	99	0.00
20	T	Methylene Chloride	50.000	49.945	0.1	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.114	7.8	95	0.00
22	T	Diisopropyl ether	50.000	50.015	-0.0	96	0.00
23	T	Vinyl Acetate	250.000	251.975	-0.8	95	0.00
24	P	1,1-Dichloroethane	50.000	46.215	7.6	95	0.00
25	T	2-Butanone	250.000	235.833	5.7	93	0.00
26	T	2,2-Dichloropropane	50.000	44.414	11.2	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.740	2.5	99	0.00
28	T	Bromochloromethane	50.000	48.599	2.8	96	0.00
29	T	Tetrahydrofuran	250.000	246.746	1.3	95	0.00
30	C	Chloroform	50.000	47.555	4.9#	97	0.00
31	T	Cyclohexane	50.000	41.967	16.1	88	0.00
32	T	1,1,1-Trichloroethane	50.000	46.513	7.0	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.165	-4.3	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	52.589	-5.2	102	0.00
36	T	1,1-Dichloropropene	50.000	45.987	8.0	94	0.00
37	T	Ethyl Acetate	50.000	45.264	9.5	94	0.00
38	T	Carbon Tetrachloride	50.000	43.572	12.9	90	0.00
39	T	Methylcyclohexane	50.000	42.956	14.1	89	0.00
40	TM	Benzene	50.000	46.567	6.9	97	0.00
41	T	Methacrylonitrile	50.000	50.772	-1.5	110	0.00
42	TM	1,2-Dichloroethane	50.000	46.402	7.2	97	0.00
43	T	Isopropyl Acetate	50.000	47.388	5.2	95	0.00
44	TM	Trichloroethene	50.000	45.738	8.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.814	4.4#	97	0.00
46	T	Dibromomethane	50.000	48.605	2.8	99	0.00
47	T	Bromodichloromethane	50.000	47.399	5.2	97	0.00
48	T	Methyl methacrylate	50.000	49.035	1.9	97	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On : 06 May 2025 16:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : ICVVD050625

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 03:36:54 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	1017.706	-1.8	101	0.00
50	S	Toluene-d8	50.000	51.808	-3.6	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.309	-1.3	97	0.00
52	CM	Toluene	50.000	48.083	3.8#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	47.662	4.7	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.491	5.0	94	0.00
55	T	1,1,2-Trichloroethane	50.000	46.116	7.8	91	0.00
56	T	Ethyl methacrylate	50.000	49.734	0.5	93	0.00
57	T	1,3-Dichloropropane	50.000	48.588	2.8	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	282.016	-12.8	101	0.00
59	T	2-Hexanone	250.000	252.611	-1.0	97	0.00
60	T	Dibromochloromethane	50.000	48.844	2.3	97	0.00
61	T	1,2-Dibromoethane	50.000	46.857	6.3	97	0.00
62	S	4-Bromofluorobenzene	50.000	52.232	-4.5	101	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	44.389	11.2	96	0.00
65	PM	Chlorobenzene	50.000	45.411	9.2	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.976	8.0	94	0.00
67	C	Ethyl Benzene	50.000	46.906	6.2#	96	0.00
68	T	m/p-Xylenes	100.000	94.775	5.2	94	0.00
69	T	o-Xylene	50.000	48.445	3.1	98	0.00
70	T	Styrene	50.000	48.751	2.5	97	0.00
71	P	Bromoform	50.000	45.753	8.5	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	45.895	8.2	93	0.00
74	T	N-amyl acetate	50.000	47.118	5.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.895	10.2	98	0.00
76	T	1,2,3-Trichloropropane	50.000	49.595	0.8	98	0.00
77	T	Bromobenzene	50.000	45.673	8.7	94	0.00
78	T	n-propylbenzene	50.000	46.696	6.6	93	0.00
79	T	2-Chlorotoluene	50.000	46.853	6.3	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.634	4.7	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.939	8.1	94	0.00
82	T	4-Chlorotoluene	50.000	46.524	7.0	97	0.00
83	T	tert-Butylbenzene	50.000	46.656	6.7	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.365	3.3	95	0.00
85	T	sec-Butylbenzene	50.000	46.620	6.8	93	0.00
86	T	p-Isopropyltoluene	50.000	47.567	4.9	93	0.00
87	T	1,3-Dichlorobenzene	50.000	45.824	8.4	96	0.00
88	T	1,4-Dichlorobenzene	50.000	44.632	10.7	95	0.00
89	T	n-Butylbenzene	50.000	45.601	8.8	91	0.00
90	T	Hexachloroethane	50.000	45.361	9.3	95	0.00
91	T	1,2-Dichlorobenzene	50.000	46.163	7.7	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.117	7.8	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.656	8.7	95	0.00
94	T	Hexachlorobutadiene	50.000	42.374	15.3	89	0.00
95	T	Naphthalene	50.000	46.464	7.1	98	0.00

ICAL Form

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050625

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080297.D
Acq On    : 06 May 2025  16:43
Operator  : RP/MD
Sample    : VSTDICV050
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: May 07 03:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 03:36:54 2025
Response via : Initial Calibration


Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.572	8.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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

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

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

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

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.5
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6
Trichlorofluoromethane	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.6
1,1,2-Trichlorotrifluoroethane	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.5
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2
Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.6
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7
Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.6
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9
Bromochloromethane	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.6
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4
Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.3
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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

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

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

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

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9
1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.2
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8
1,3-Dichlorobenzene	1.757	1.774	1.715	1.838	1.839	1.914	1.806	4
1,4-Dichlorobenzene	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.4
1,2-Dichlorobenzene	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.3
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.7
1,2,4-Trichlorobenzene	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.2
1,2,3-Trichlorobenzene	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.6
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

* 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.

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

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

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

Manual Integrations APPROVED

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

Manual Integrations
APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

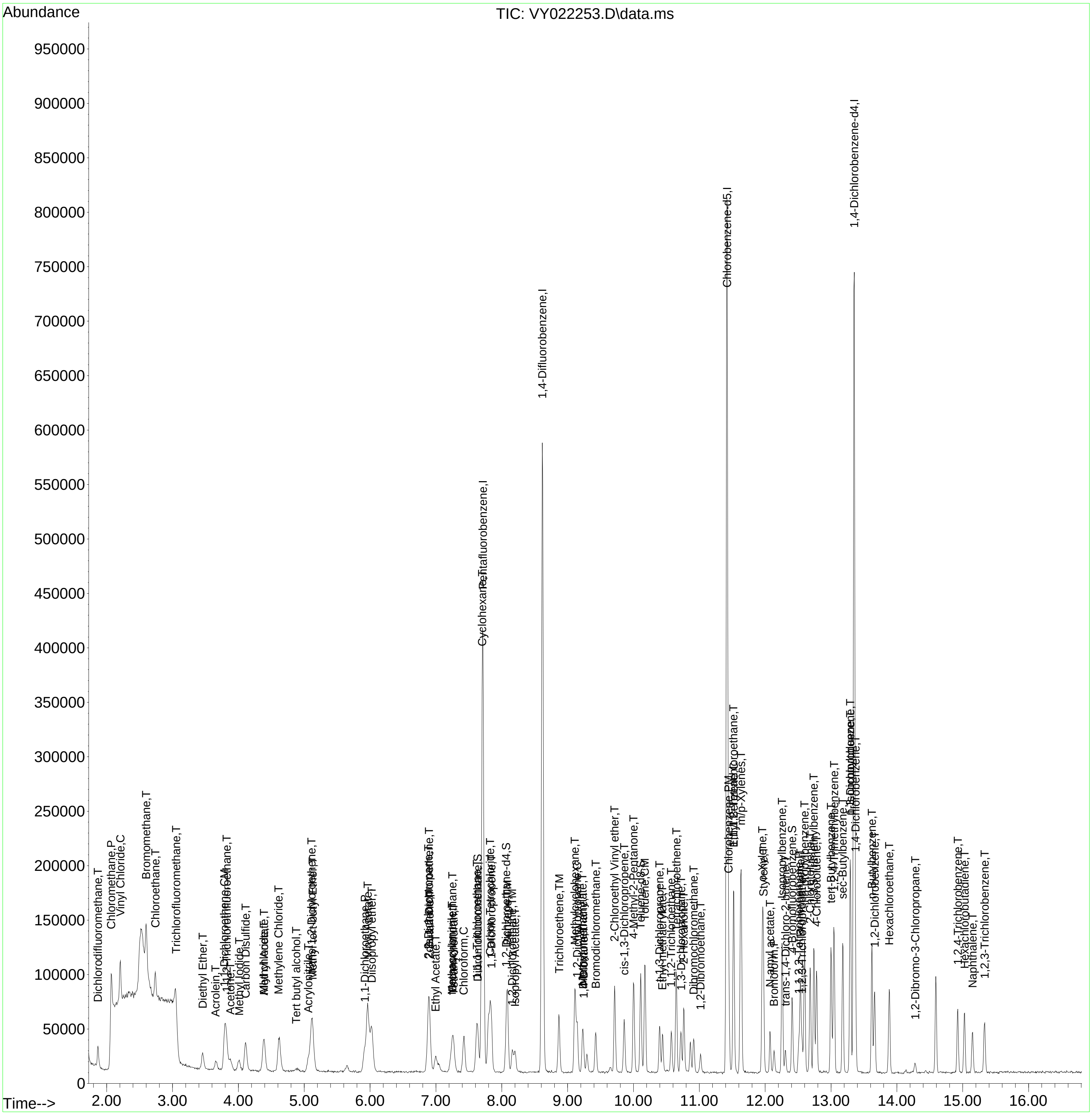
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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



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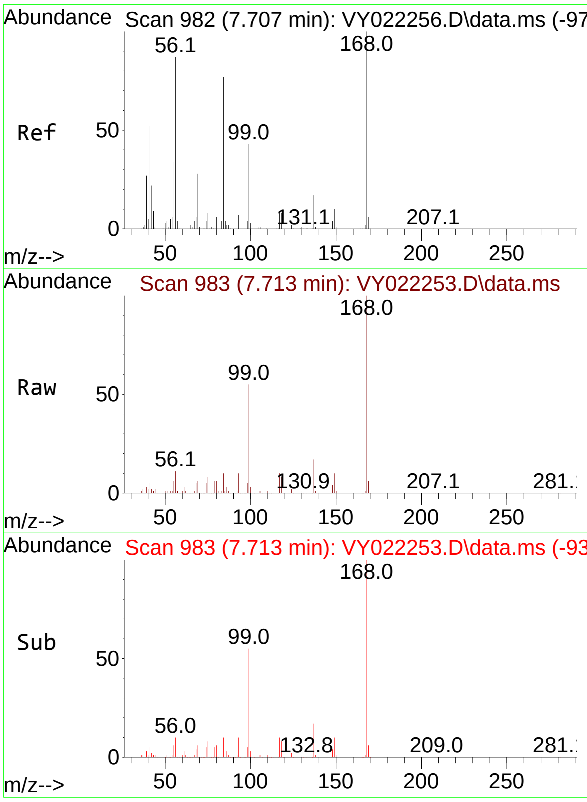

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:168 Resp: 27617(

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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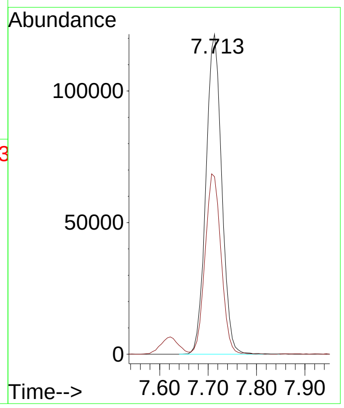
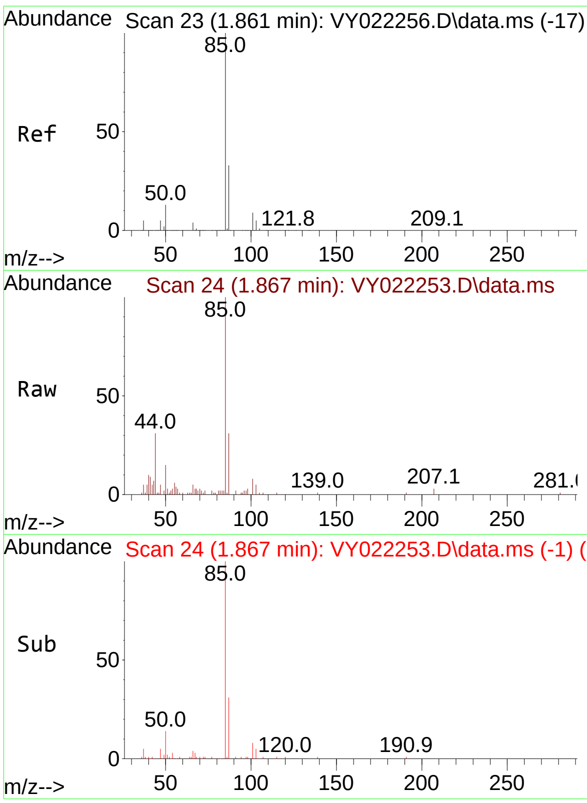
Supervised By :Semsettin Yesilyurt 05/16/2025

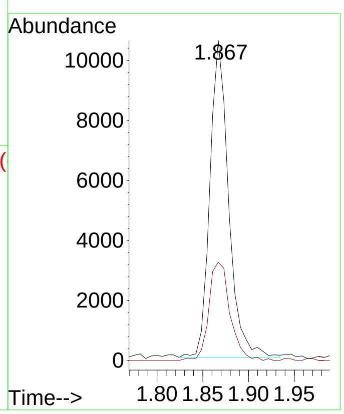




#2
Dichlorodifluoromethane
Concen: 5.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 85 Resp: 15071

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.5	49.5



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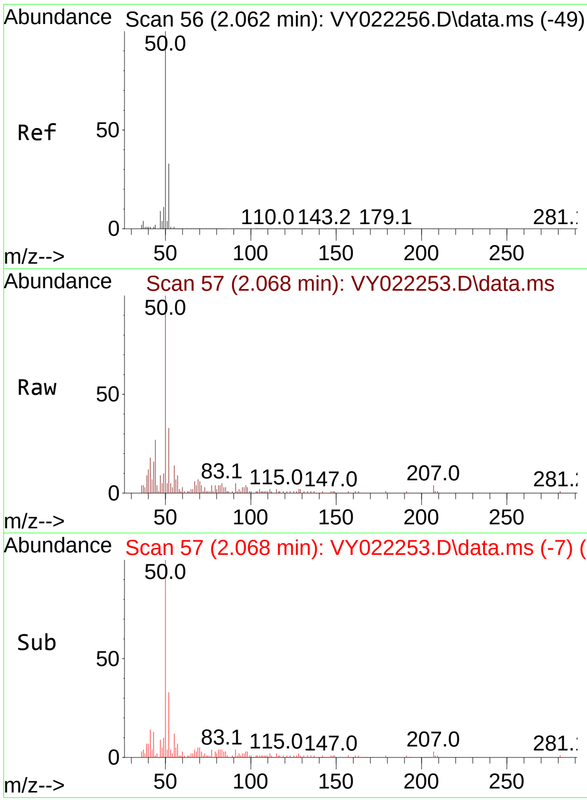


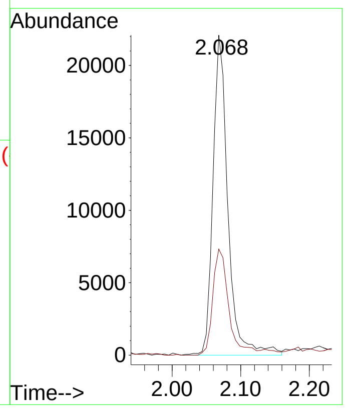
#3
Chloromethane
Concen: 5.523 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

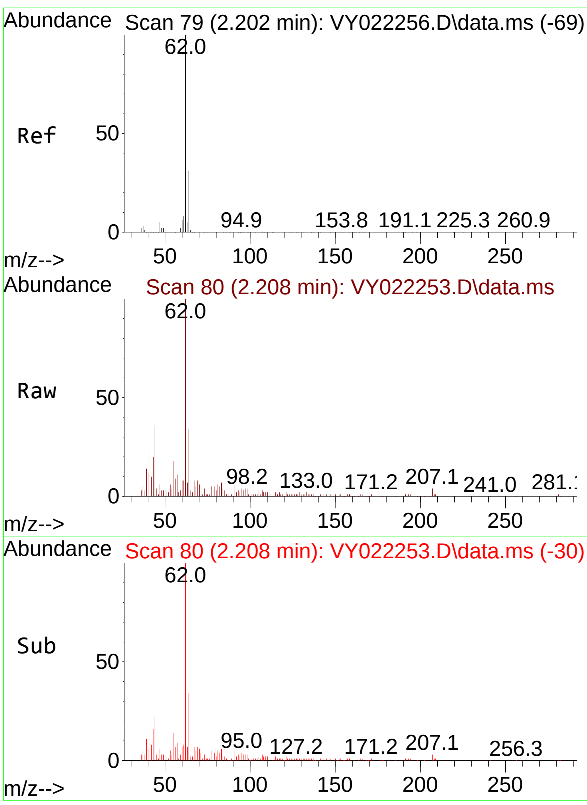
Tgt Ion: 50 Resp: 33477

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

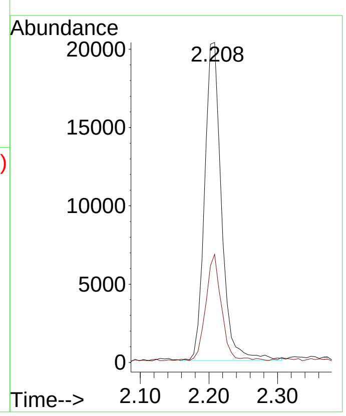




#4
Vinyl Chloride
Concen: 5.159 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 34943

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7



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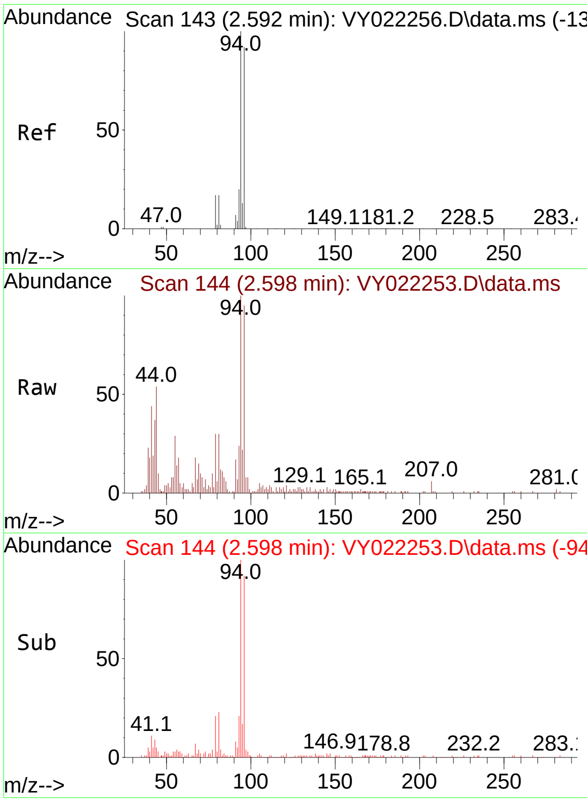

#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3056

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.4	110.0

Manual Integrations
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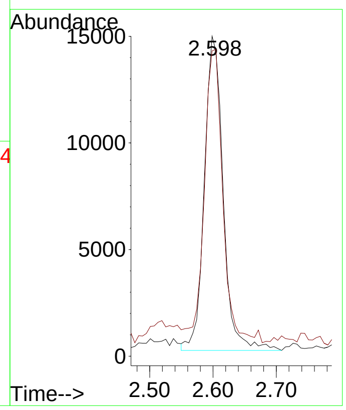
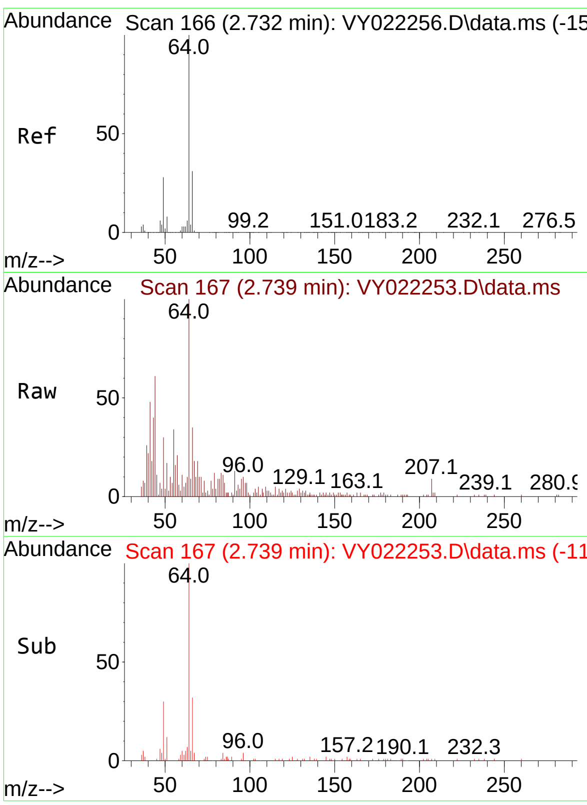
Supervised By :Semsettin Yesilyurt 05/16/2025

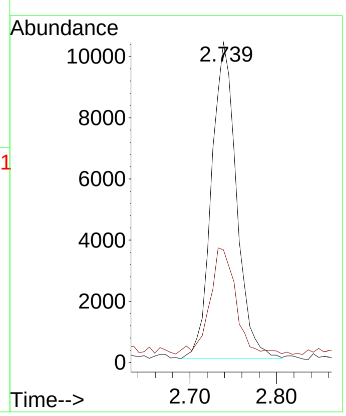




#6
Chloroethane
Concen: 4.923 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 64 Resp: 20741

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.8	37.2



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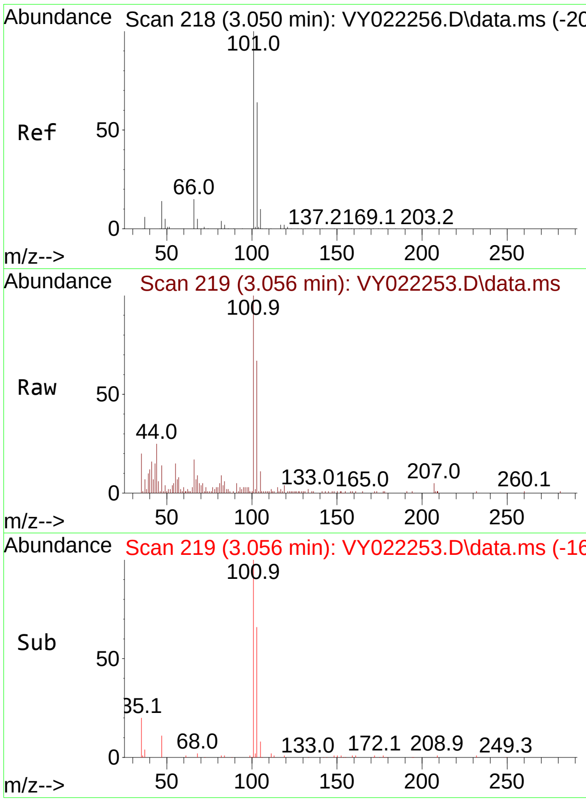

#7
Trichlorofluoromethane
Concen: 5.052 ug/l
RT: 3.056 min   Scan# 2
Delta R.T.   0.006 min
Lab File: VY022253.D
Acq: 15 May 2025   09:46

Tgt Ion:101 Resp: 3464

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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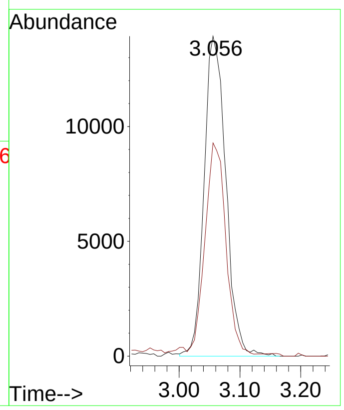
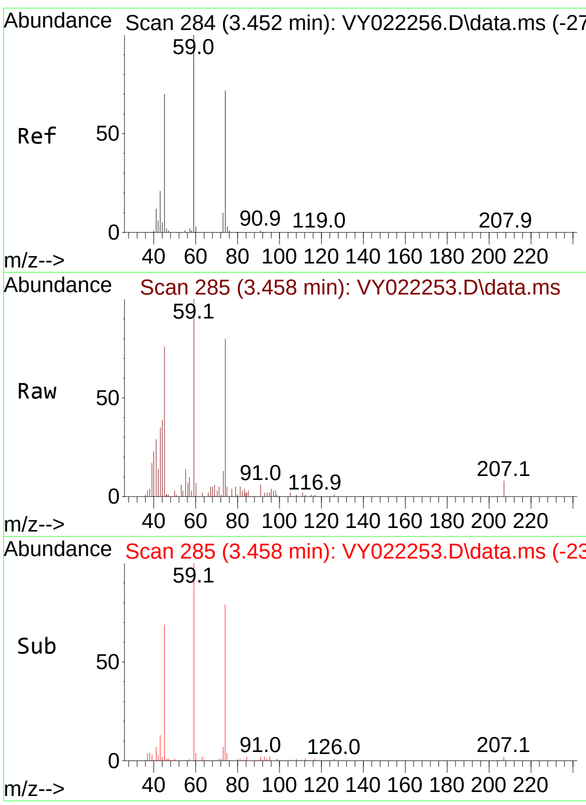
Reviewed By :Mahesh Dadoda   05/16/2025
Supervised By :Semsettin Yesilyurt   05/16/2025

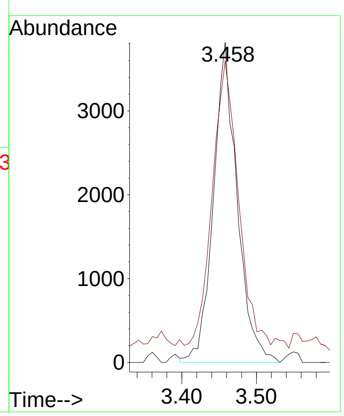




#8
Diethyl Ether
Concen: 5.126 ug/l
RT: 3.458 min   Scan# 285
Delta R.T.   0.006 min
Lab File: VY022253.D
Acq: 15 May 2025   09:46

Tgt Ion: 74 Resp: 8435

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8



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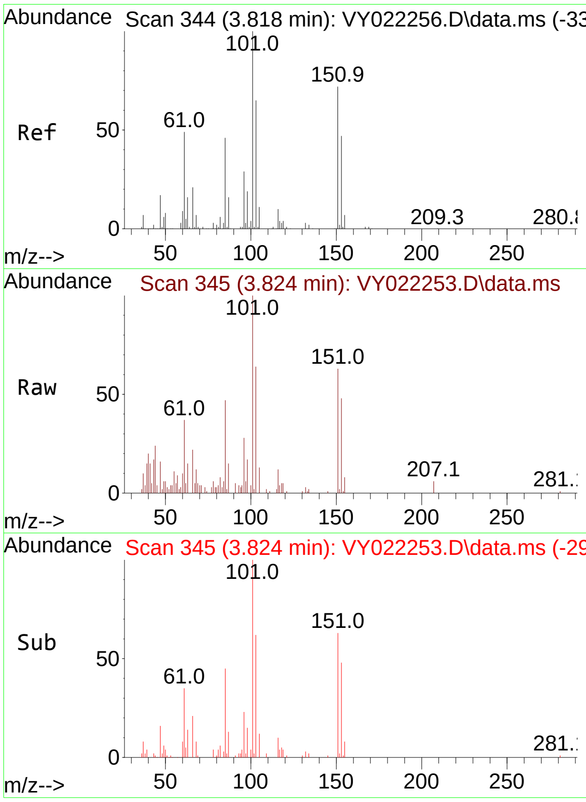

#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.081 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1512

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

Manual Integrations APPROVED

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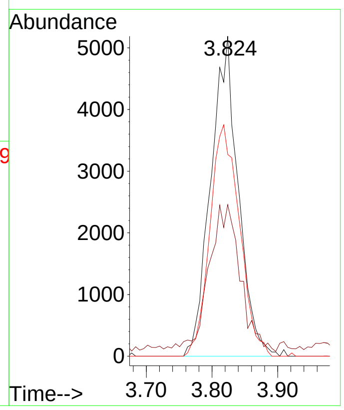
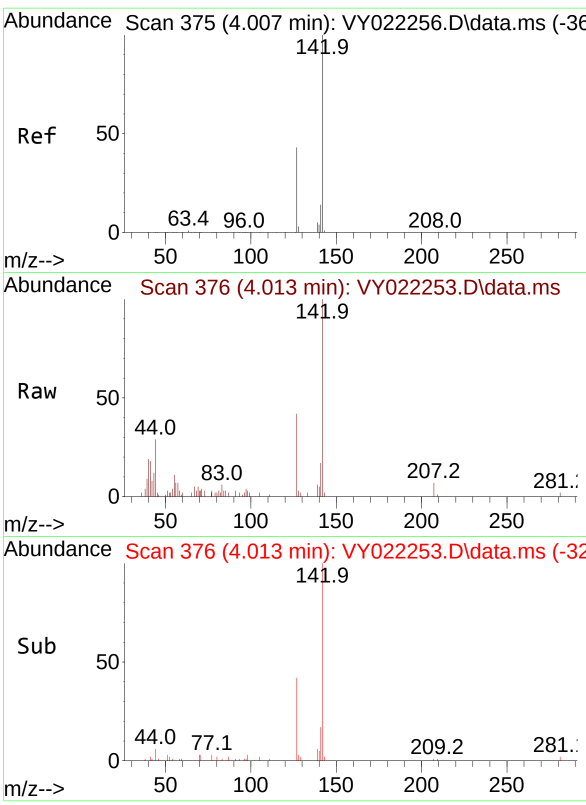
Supervised By :Semsettin Yesilyurt 05/16/2025

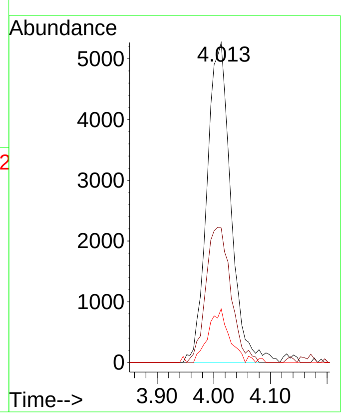




#10
Methyl Iodide
Concen: 4.484 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:142 Resp: 15449

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



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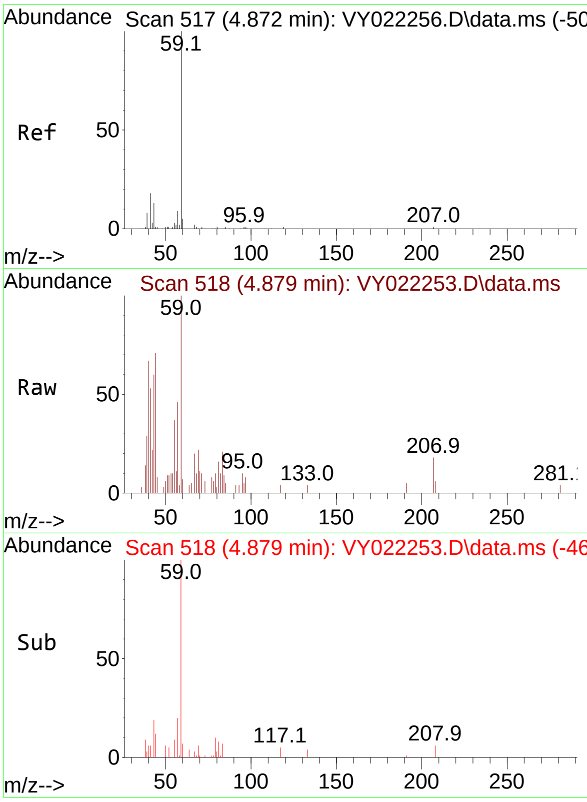

#11
Tert butyl alcohol
Concen: 26.722 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 615

Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0

Manual Integrations
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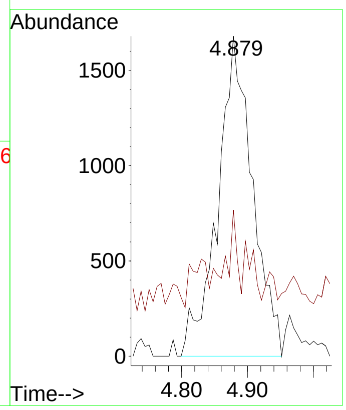
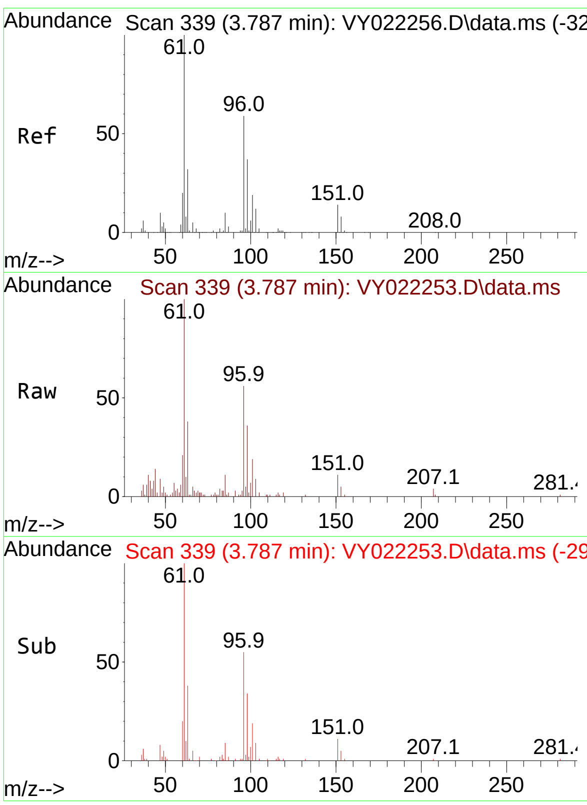
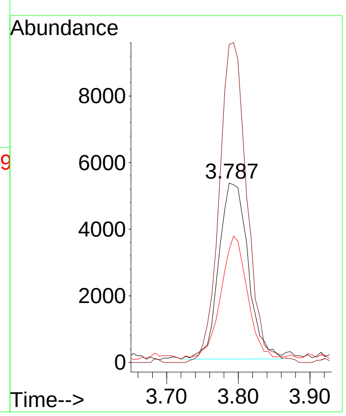




#12
1,1-Dichloroethene
Concen: 5.099 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

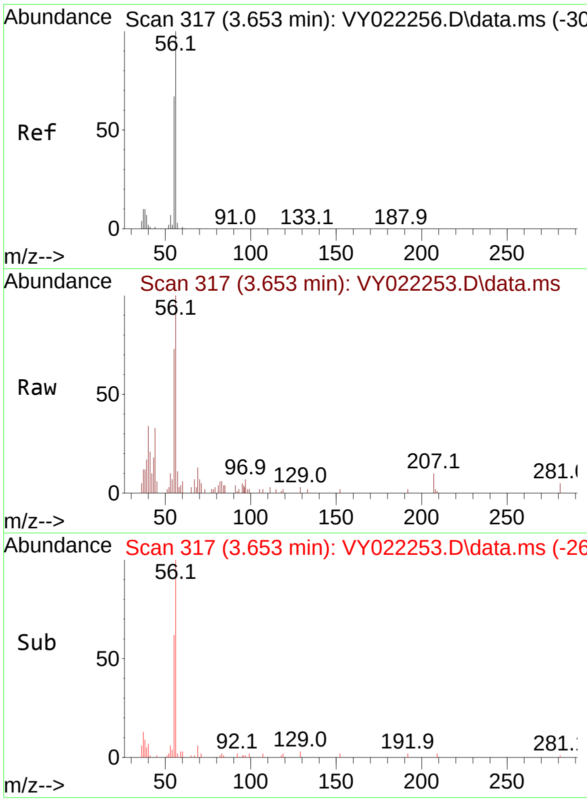
Tgt Ion: 96 Resp: 15064

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



Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

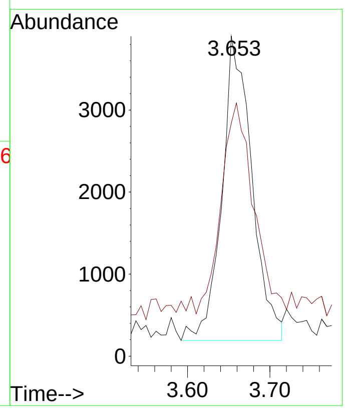
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

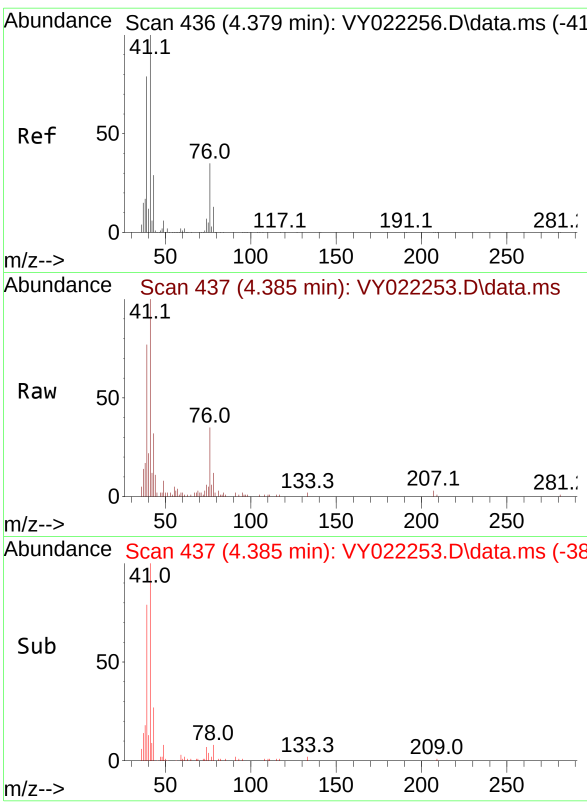


#13
Acrolein
Concen: 27.796 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 56 Resp: 936

Ion	Ratio	Lower	Upper
56	100		
55	74.6	55.6	83.4

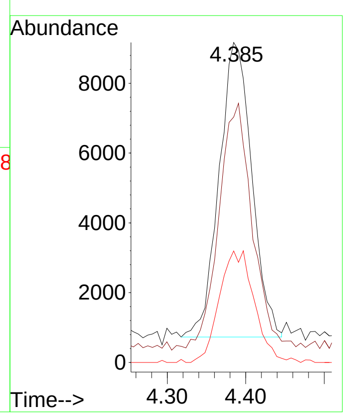




#14
Allyl chloride
Concen: 4.737 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 24537

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



ICAL Form

Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

Manual Integrations APPROVED

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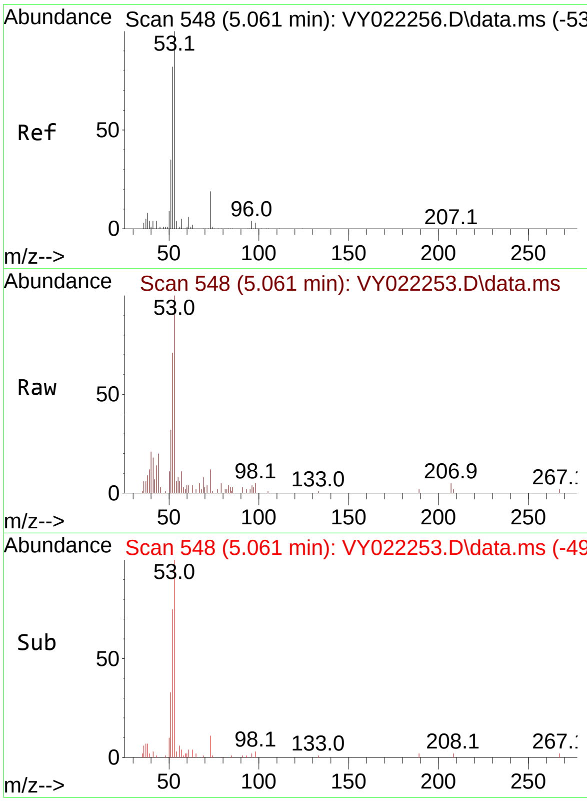
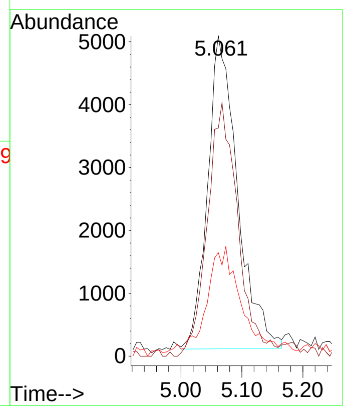
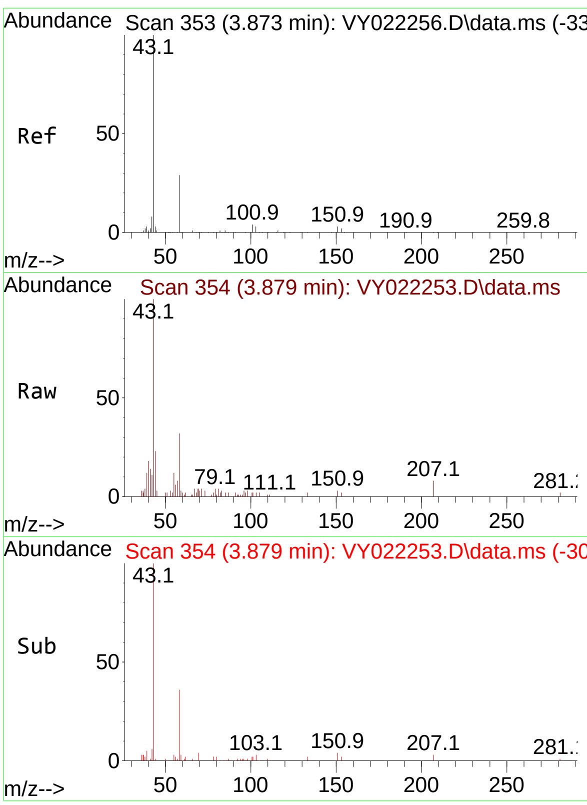


#15
Acrylonitrile
Concen: 25.125 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 53 Resp: 1703

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

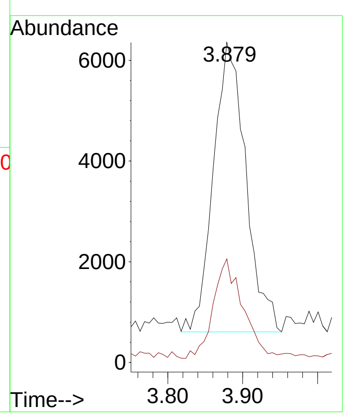




#16
Acetone
Concen: 30.639 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 17340

Ion	Ratio	Lower	Upper
43	100		
58	34.3	23.6	35.4



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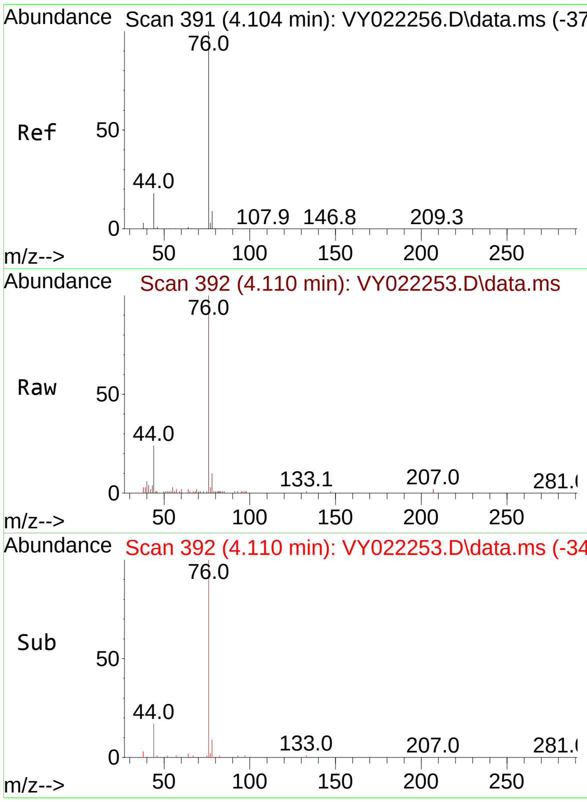


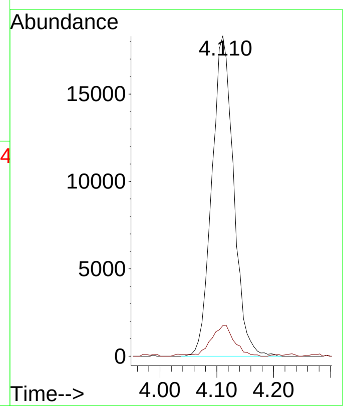
#17
Carbon Disulfide
Concen: 5.068 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

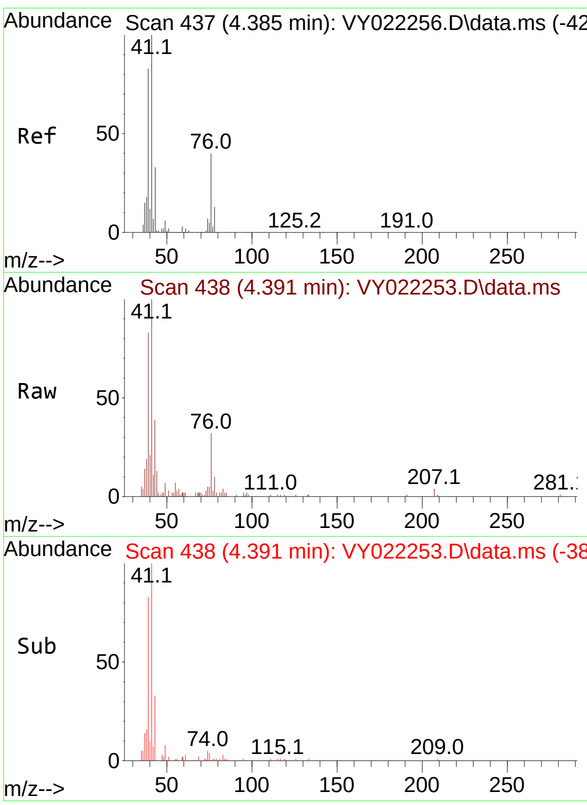
Tgt Ion: 76 Resp: 4881

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

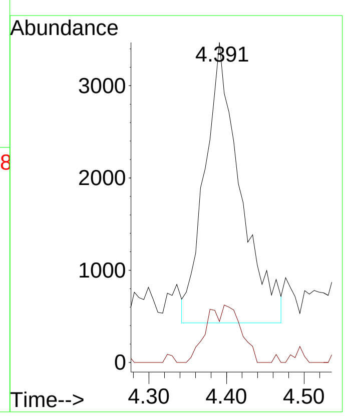




#18
Methyl Acetate
Concen: 5.597 ug/l m
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 9639

Ion	Ratio	Lower	Upper
43	100		
74	8.9	18.2	27.4#



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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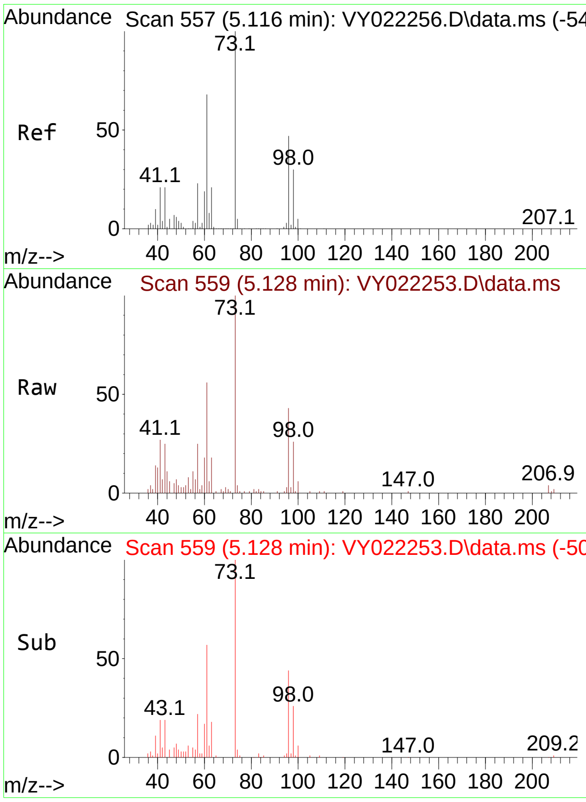
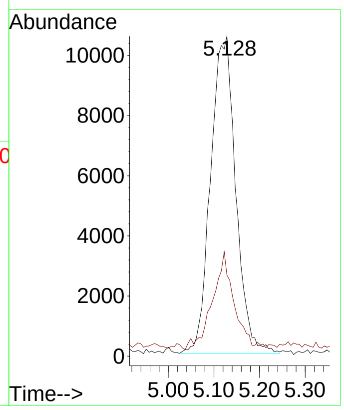
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

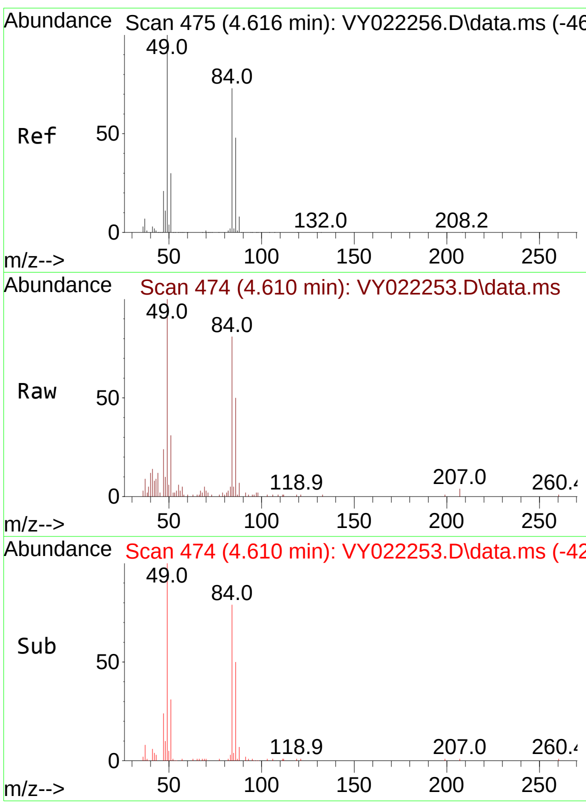


#19
Methyl tert-butyl Ether
Concen: 4.959 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 73 Resp: 4039

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.6	28.0

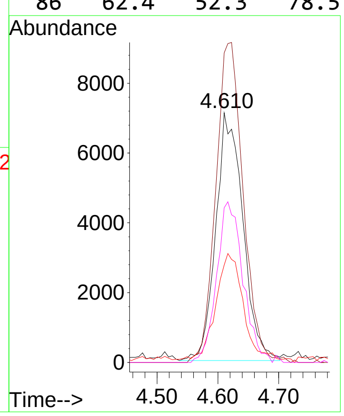




#20
Methylene Chloride
Concen: 6.016 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 84 Resp: 22002

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



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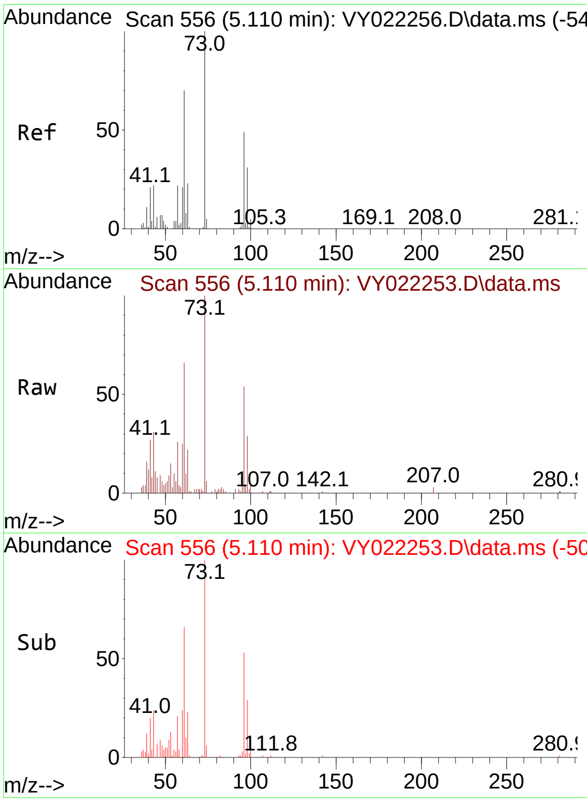
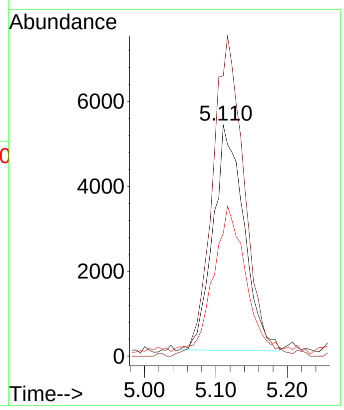


#21
trans-1,2-Dichloroethene
Concen: 4.889 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 1594

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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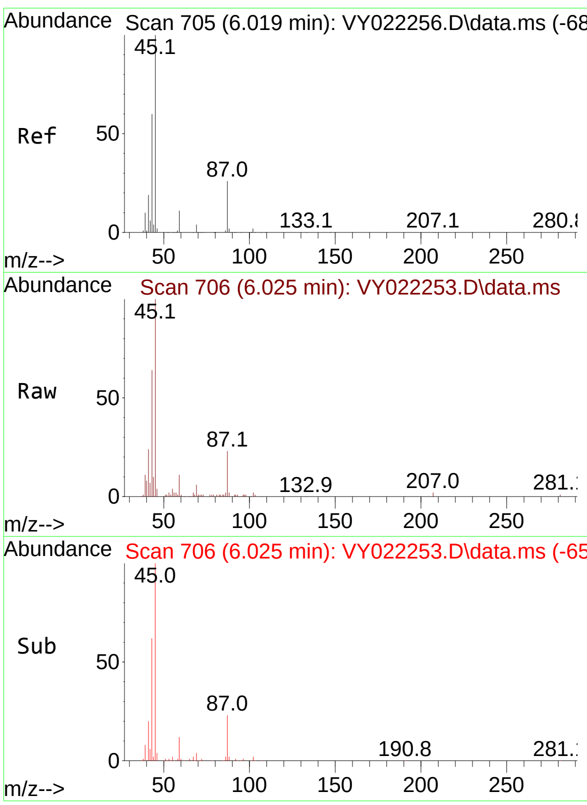
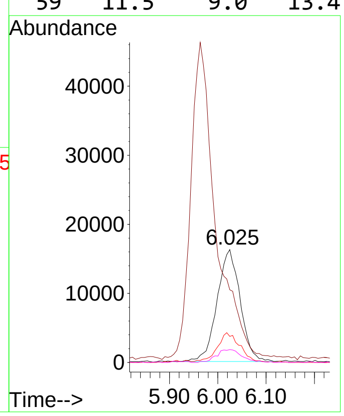
Supervised By :Semsettin Yesilyurt 05/16/2025



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

Tgt Ion: 45 Resp: 53760

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



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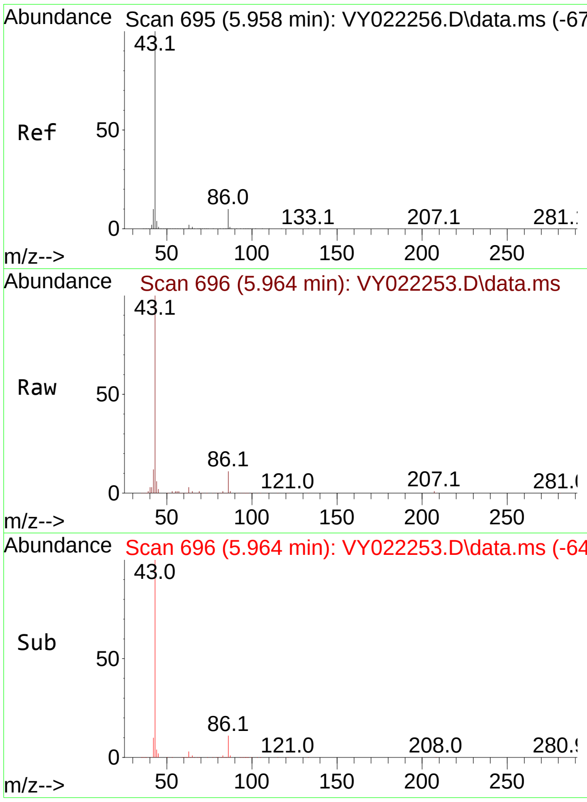

#23
Vinyl Acetate
Concen: 25.361 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 167594

Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.8	11.8

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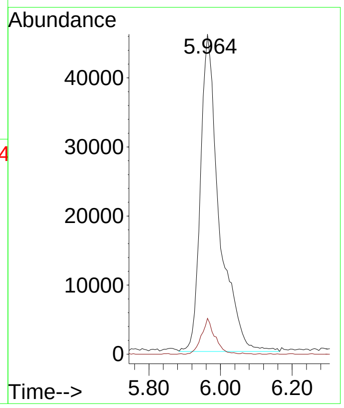
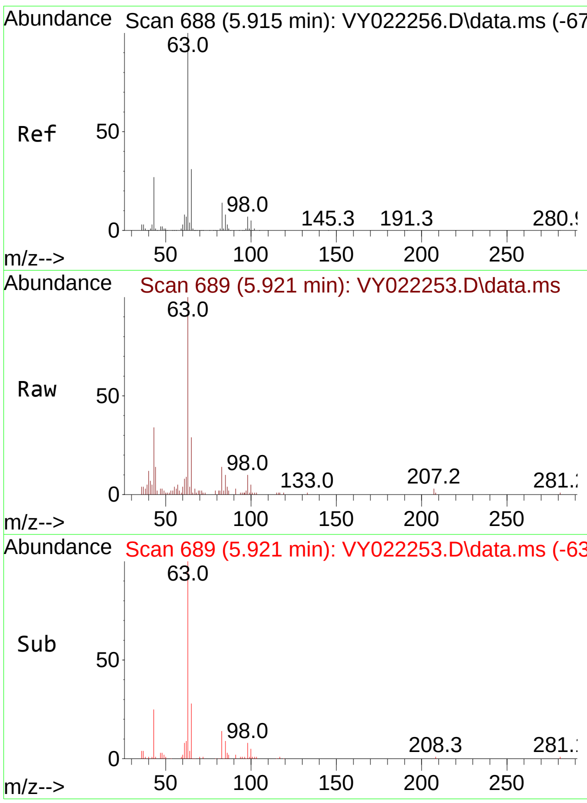
Supervised By :Semsettin Yesilyurt 05/16/2025

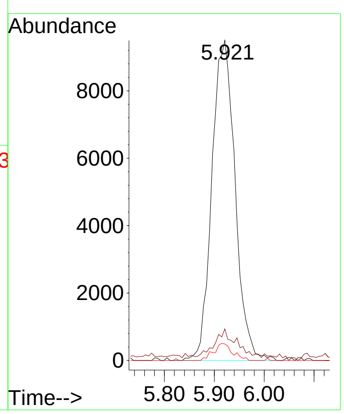




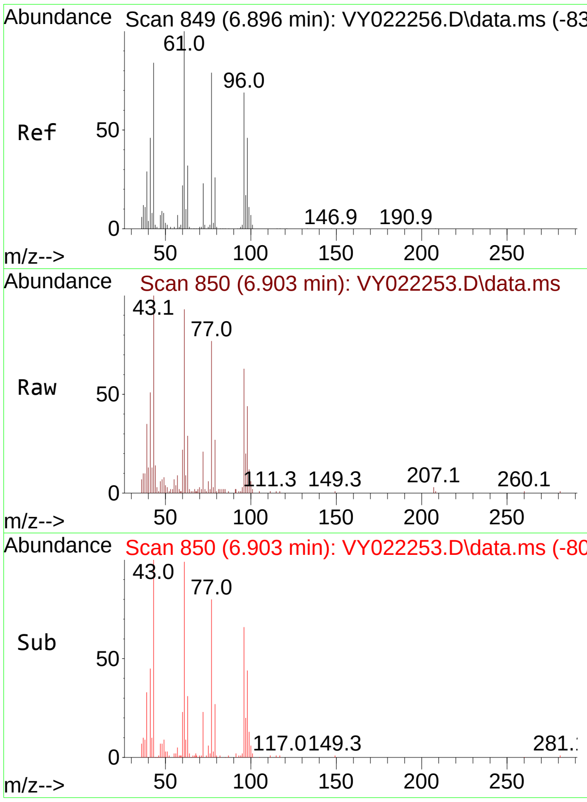
#24
1,1-Dichloroethane
Concen: 5.026 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 30712

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



ICAL Form



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

Tgt Ion: 43 Resp: 2480

Ion	Ratio	Lower	Upper
43	100		
72	22.7	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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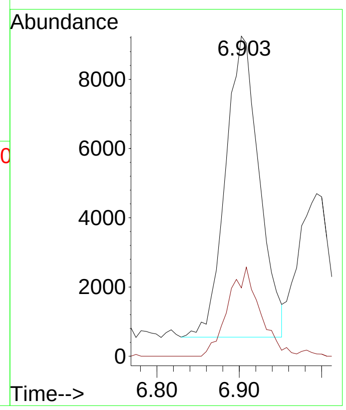
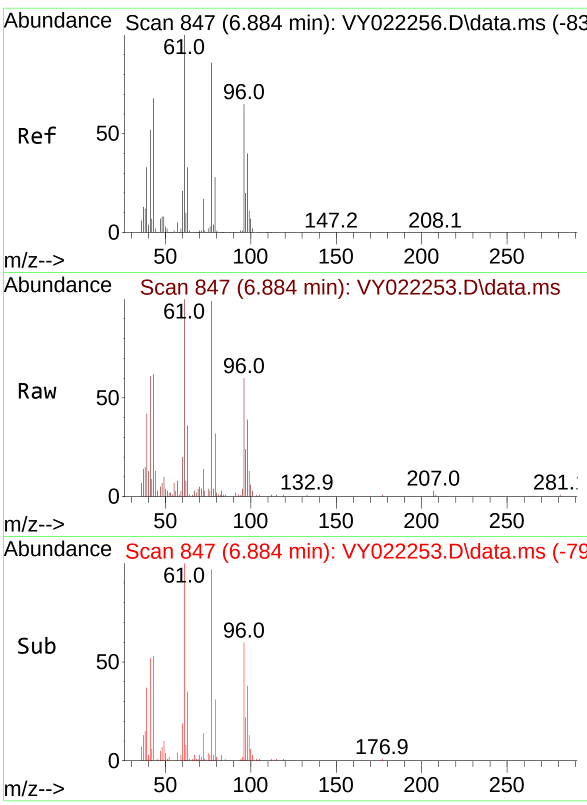
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

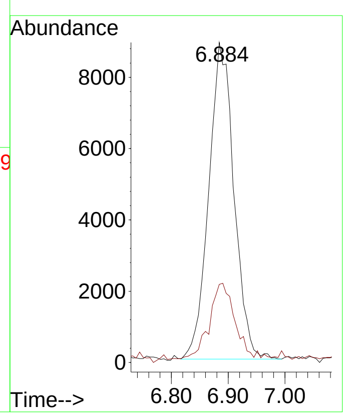


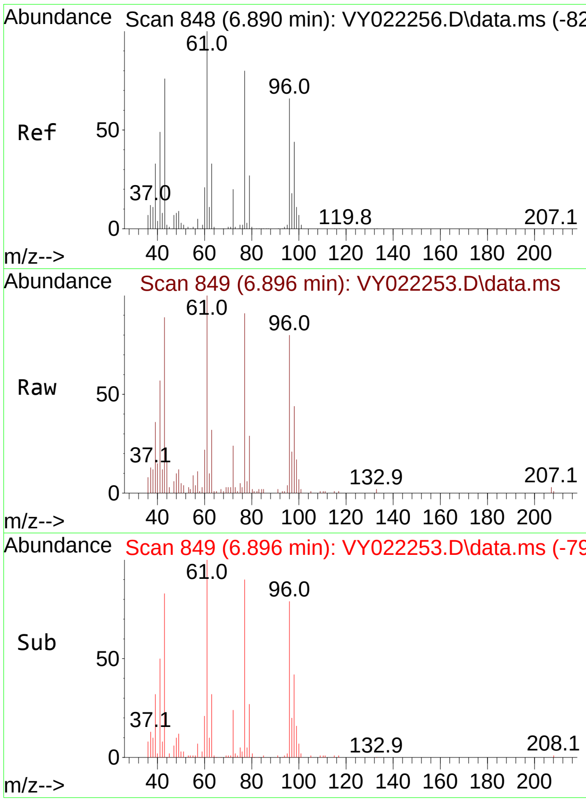


#26
2,2-Dichloropropane
Concen: 5.048 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 77 Resp: 27440

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.2	33.5





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

Tgt Ion: 96 Resp: 1827

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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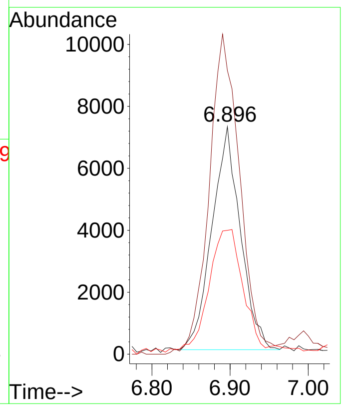
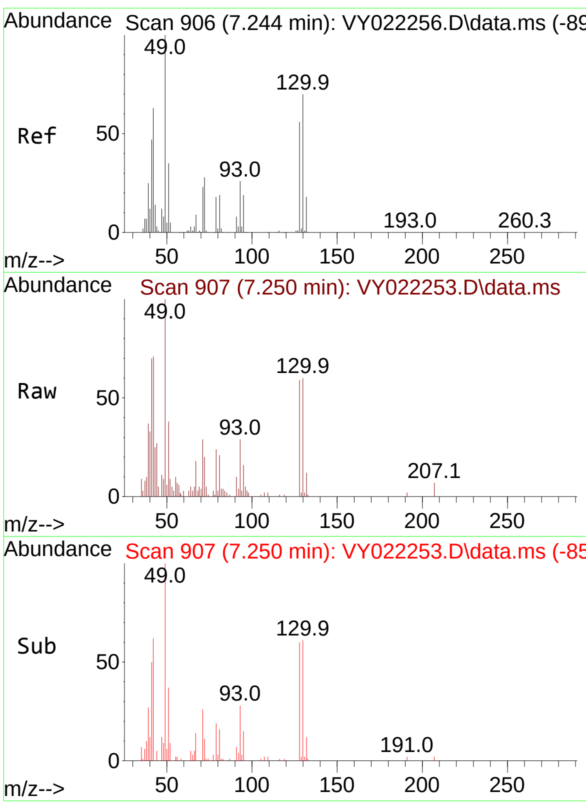
Supervised By :Semsettin Yesilyurt 05/16/2025

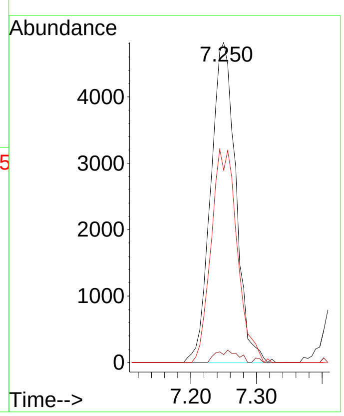




#28
Bromochloromethane
Concen: 4.901 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 49 Resp: 12774

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



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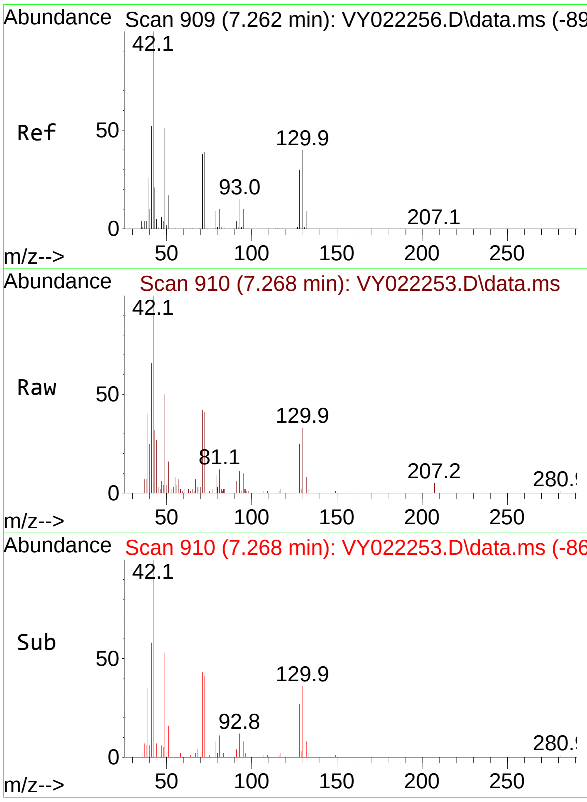

#29
Tetrahydrofuran
Concen: 23.811 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 42 Resp: 1450

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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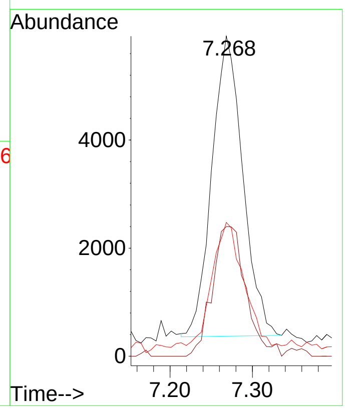
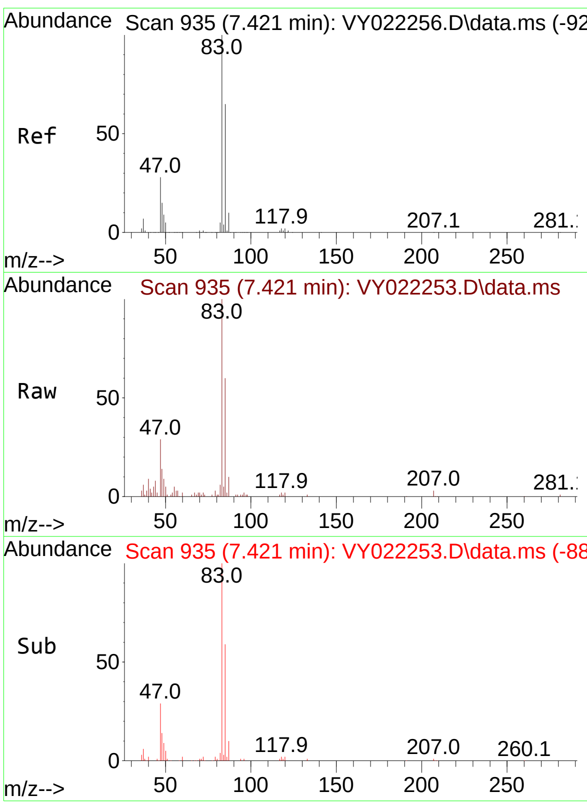
Supervised By :Semsettin Yesilyurt 05/16/2025

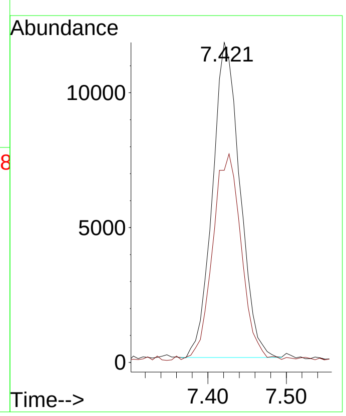




#30
Chloroform
Concen: 4.863 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 28505

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.8	77.8



ICAL Form

Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

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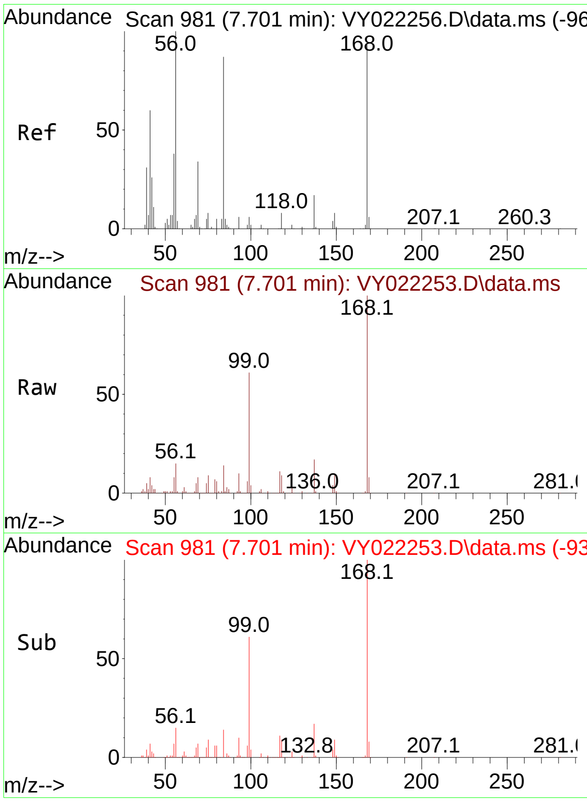
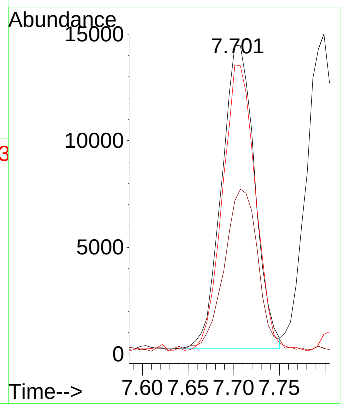
Supervised By :Semsettin Yesilyurt 05/16/2025

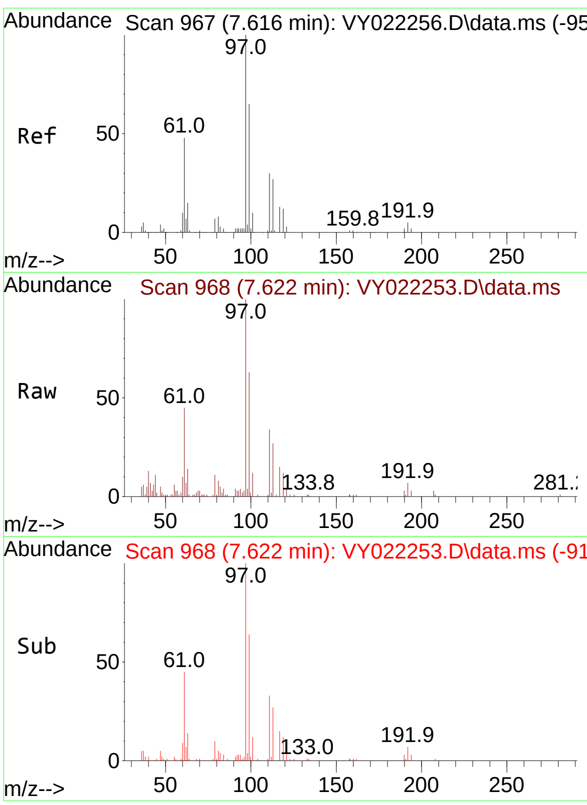


#31
Cyclohexane
Concen: 5.880 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 56 Resp: 35904

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

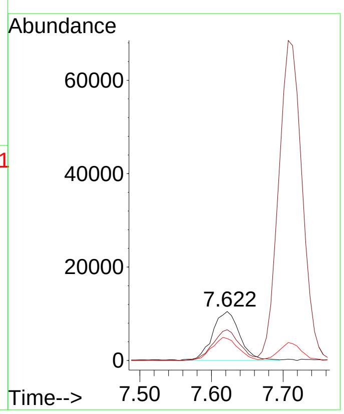


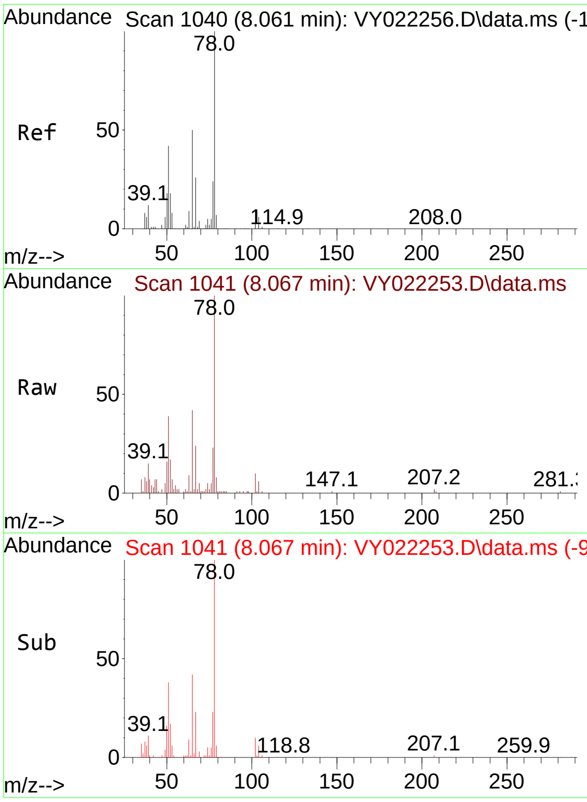


#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 27801

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





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 1511

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	104.6

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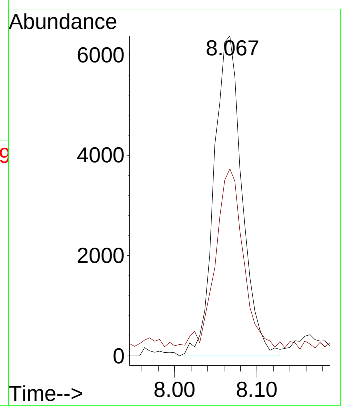
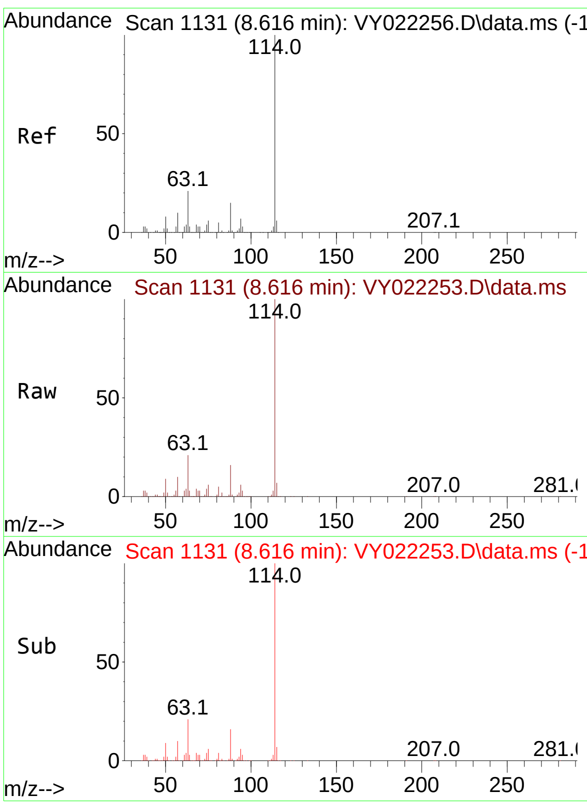
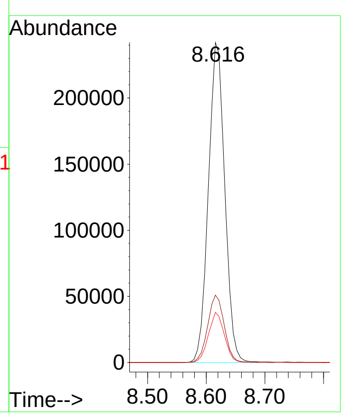




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:114 Resp: 470488

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



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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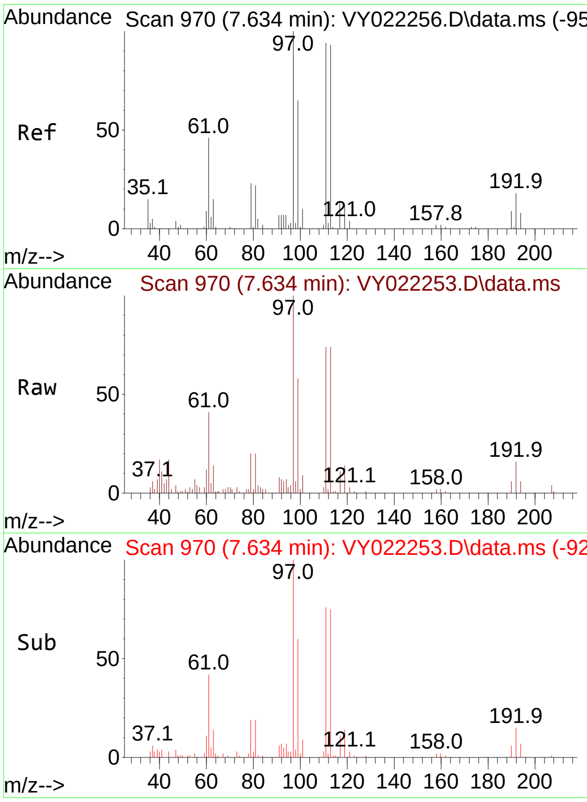
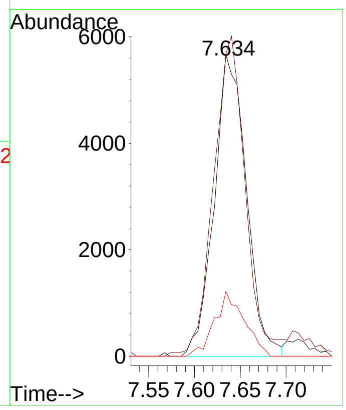
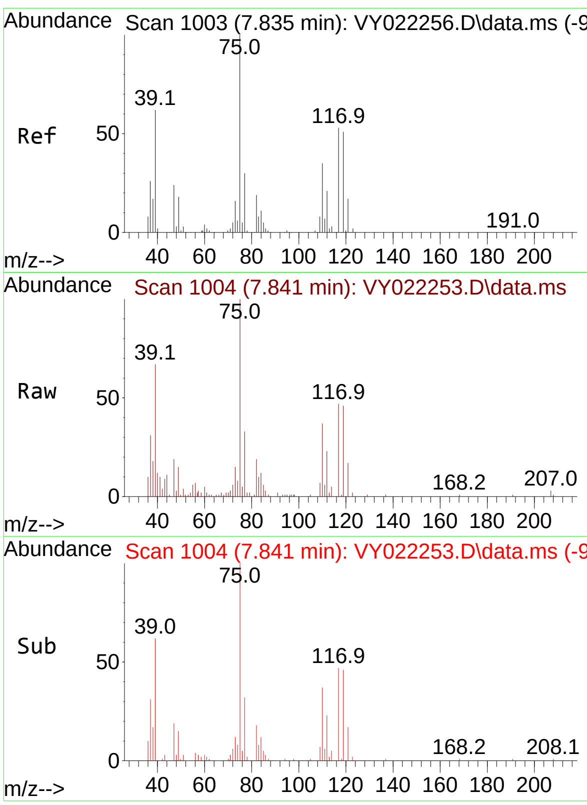


#35
Dibromofluoromethane
Concen: 4.933 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:113 Resp: 1385

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

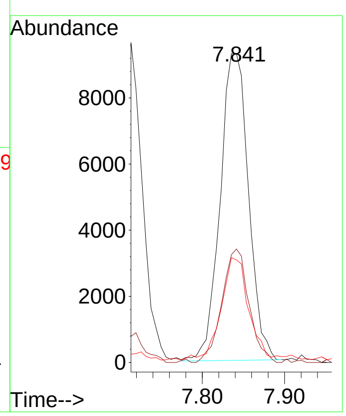




#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 22314

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



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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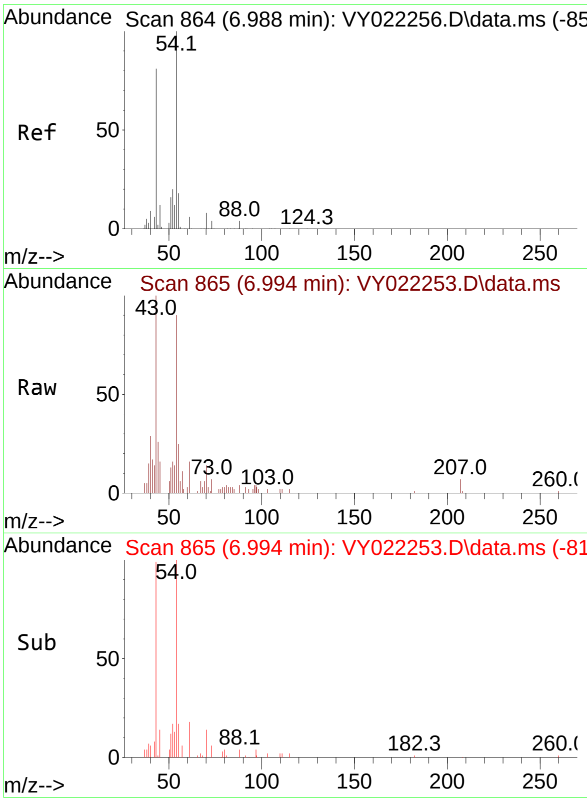
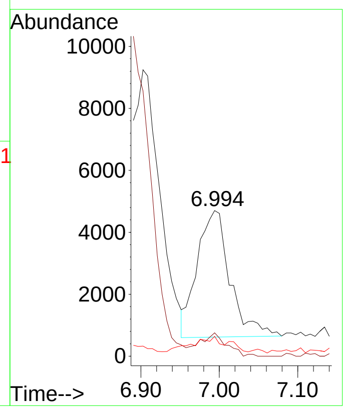
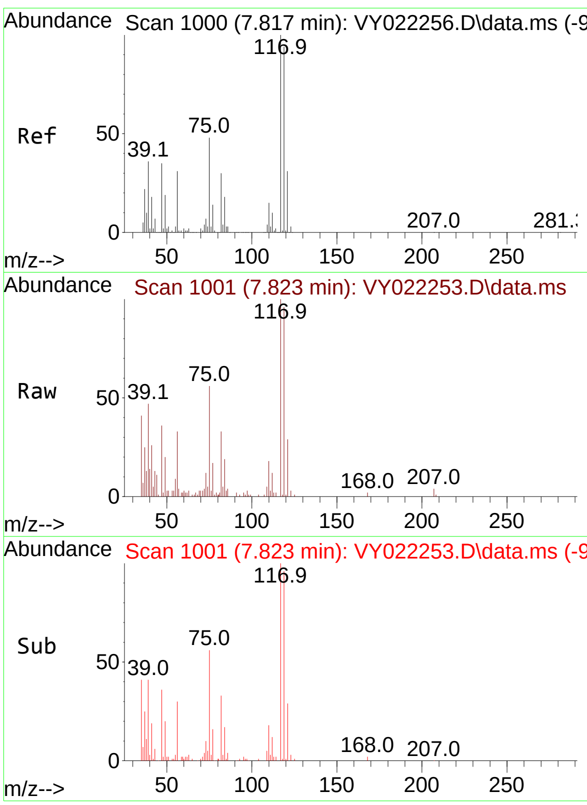


#37
Ethyl Acetate
Concen: 5.352 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 1191

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

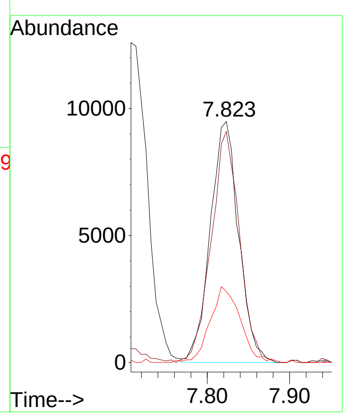




#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 22826

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



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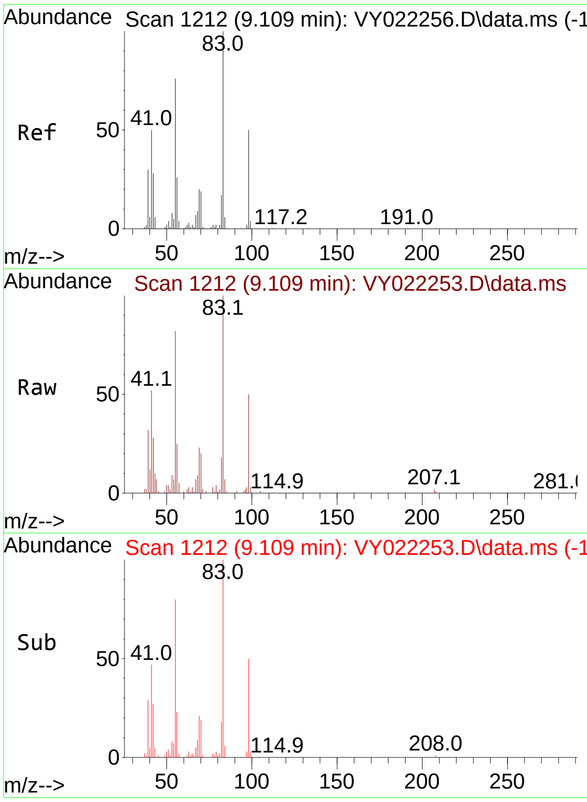
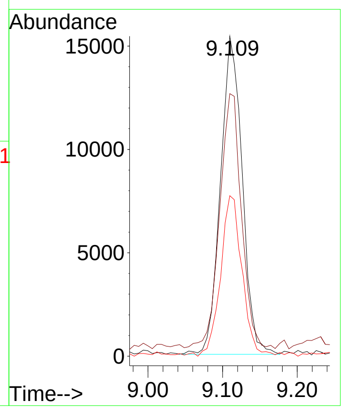


#39
Methylcyclohexane
Concen: 5.024 ug/l
RT: 9.109 min Scan# 1:
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 31218

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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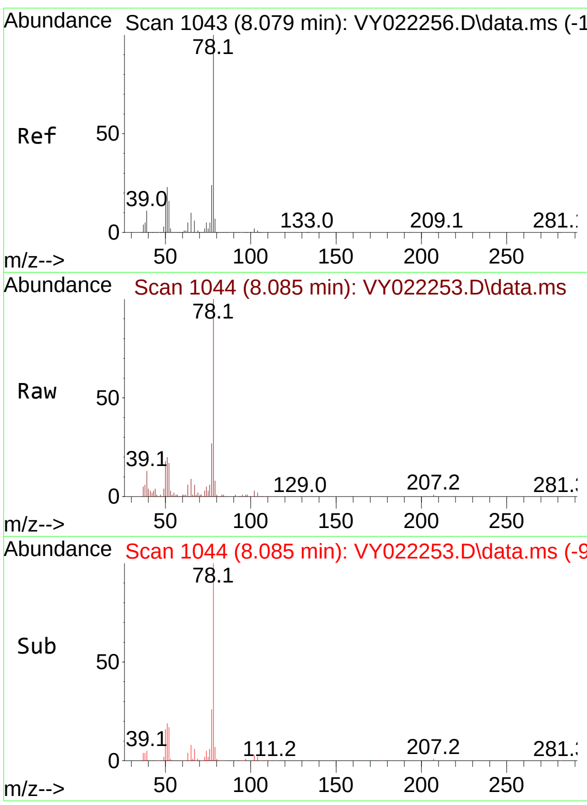
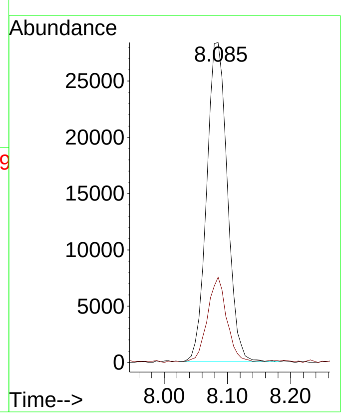
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

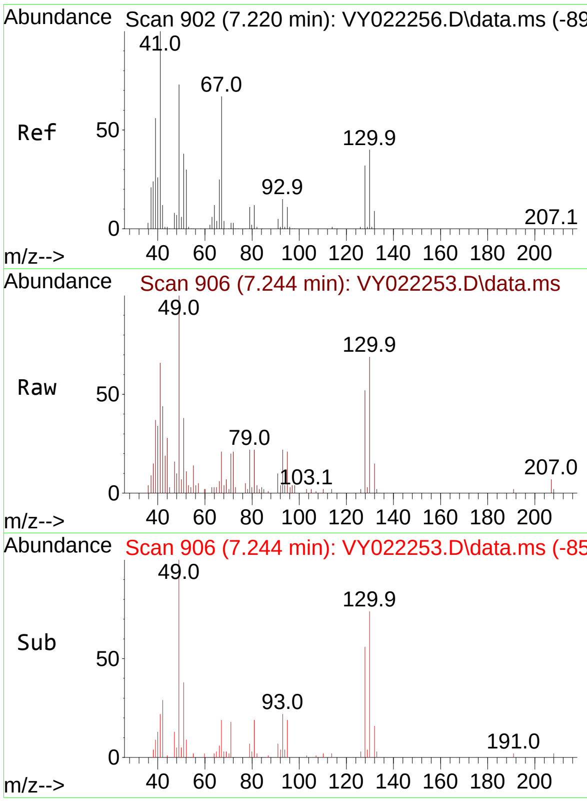


#40
Benzene
Concen: 4.699 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 78 Resp: 64430

Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.9	28.3





#41
Methacrylonitrile
Concen: 4.422 ug/l m
RT: 7.244 min Scan# 90
Delta R.T. 0.024 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

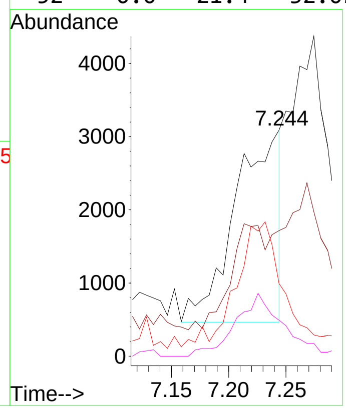
Tgt Ion: 41 Resp: 720

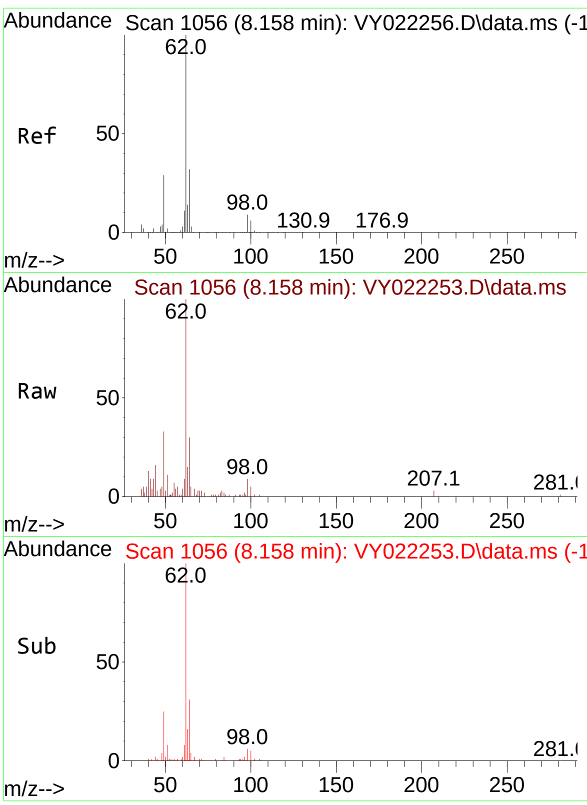
Ion	Ratio	Lower	Upper
41	100		
39	63.3	39.1	58.7#
67	0.0	47.1	70.7#
52	0.0	21.4	32.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

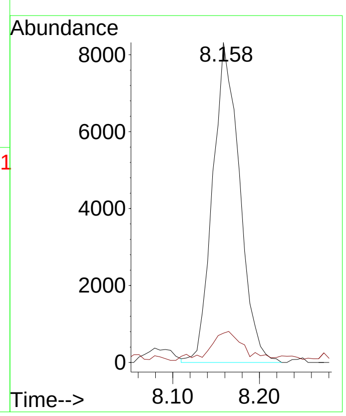




#42
1,2-Dichloroethane
Concen: 4.837 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 17934

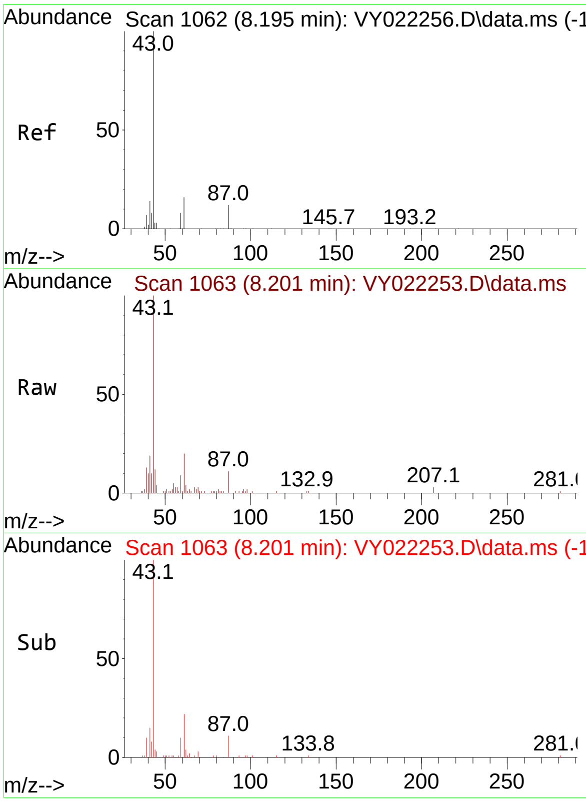
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

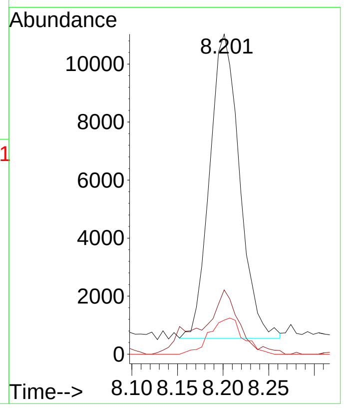
Manual Integrations APPROVED

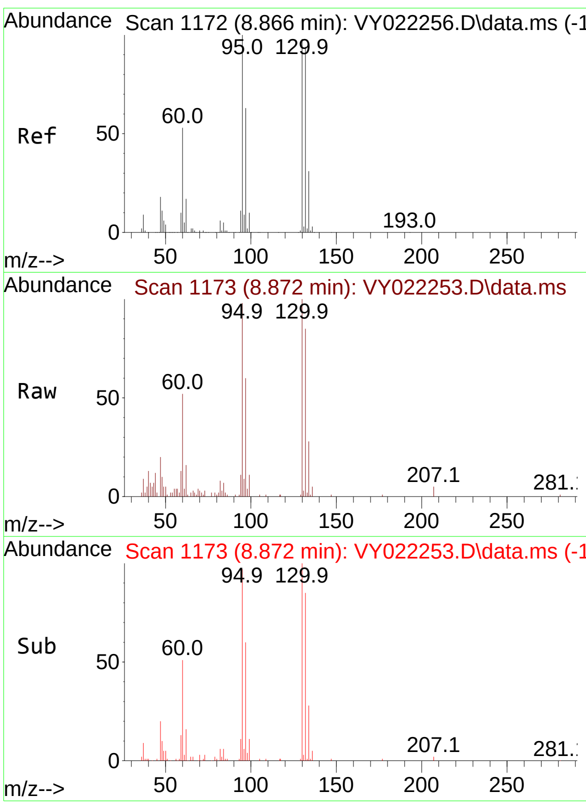
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




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

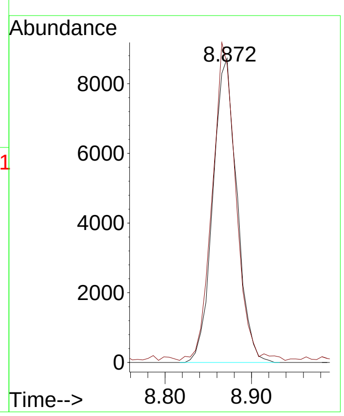
Tgt Ion: 43 Resp:   2397
Ion  Ratio  Lower  Upper
 43  100
 61   18.7   15.1   22.7
 87   13.2    9.7   14.5
```

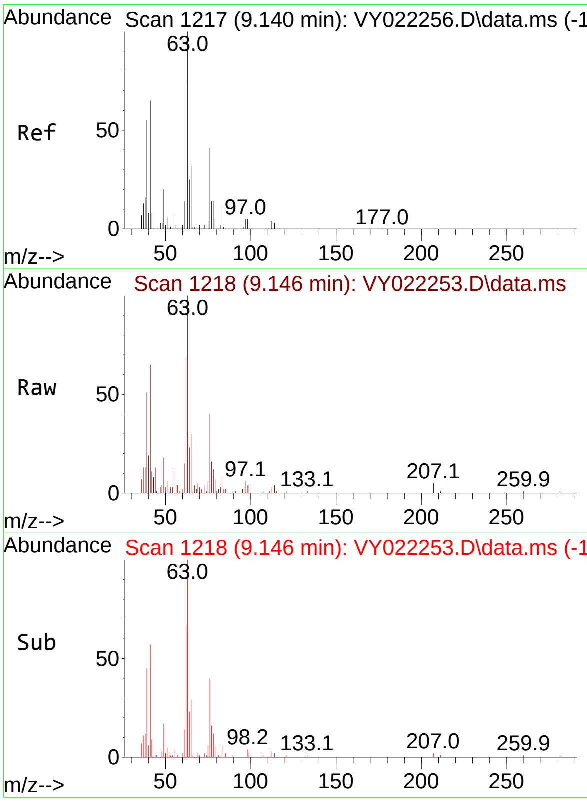





```
#44
Trichloroethene
Concen:    4.943 ug/l
RT:   8.872 min  Scan# 1173
Delta R.T.  0.006 min
Lab File:   VY022253.D
Acq: 15 May 2025  09:46

Tgt Ion:130 Resp:   16852
Ion  Ratio  Lower  Upper
130  100
 95   97.3    0.0  204.8
```





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 1585

Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.7	38.5

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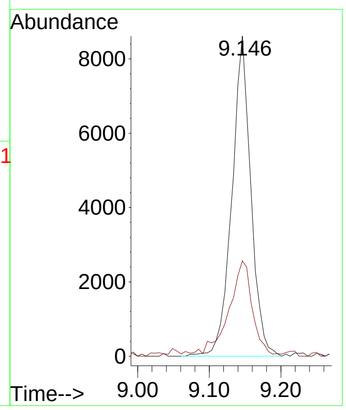
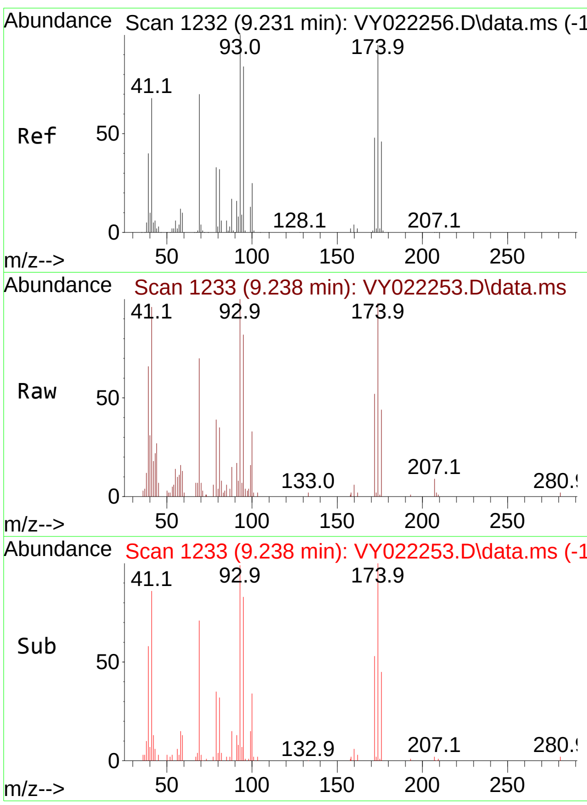
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

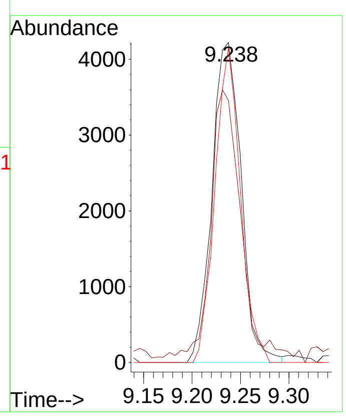


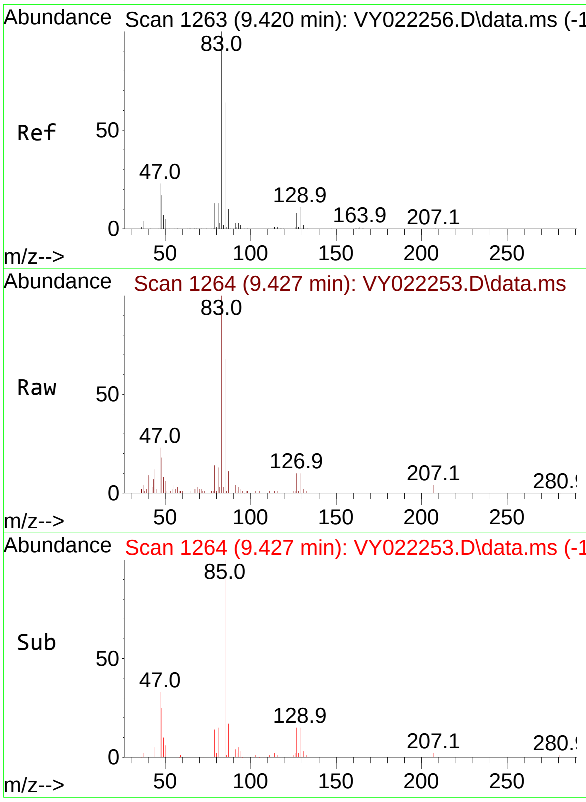


#46
Dibromomethane
Concen: 4.980 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 93 Resp: 8879

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





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

Tgt Ion: 83 Resp: 2190

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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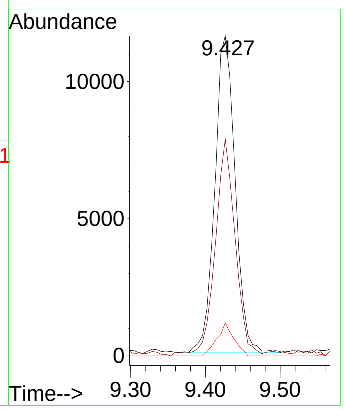
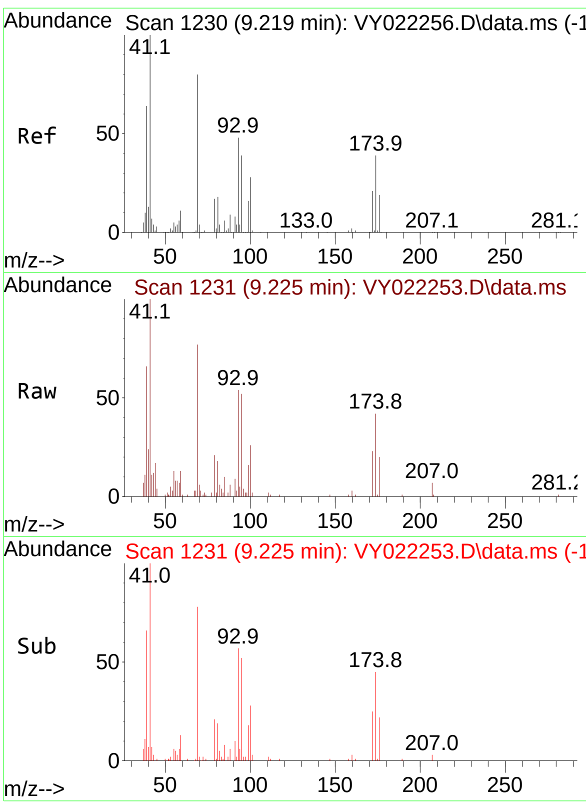
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

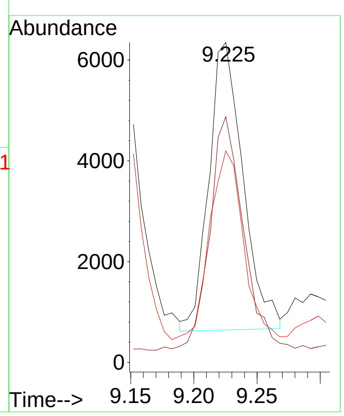




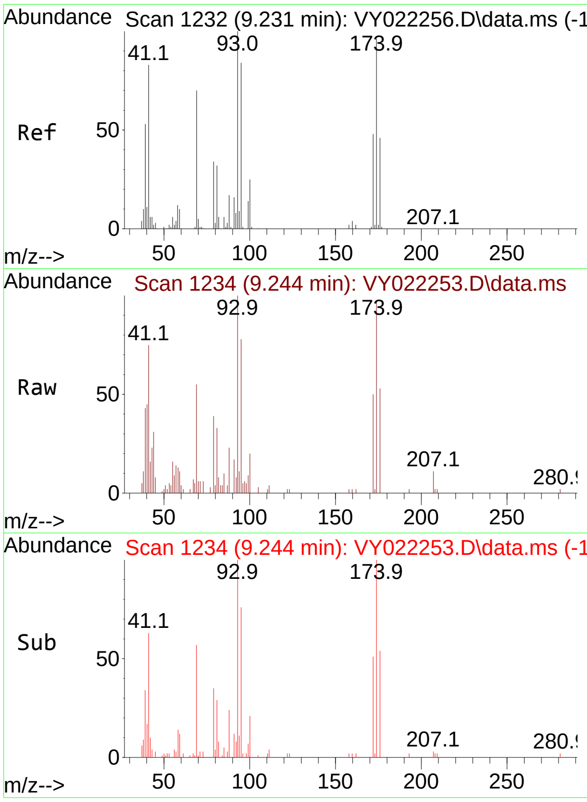
#48
Methyl methacrylate
Concen: 4.727 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 10729

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



ICAL Form




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

Tgt Ion: 88 Resp:    196
Ion  Ratio  Lower  Upper
 88  100
 43    0.0   28.5   42.7
 58   79.8   61.4   92.2
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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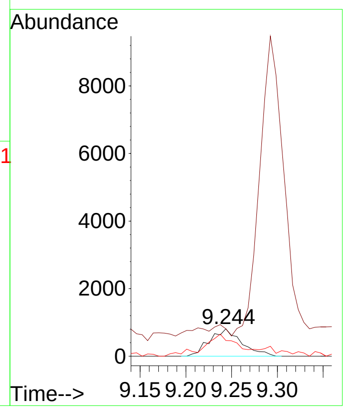
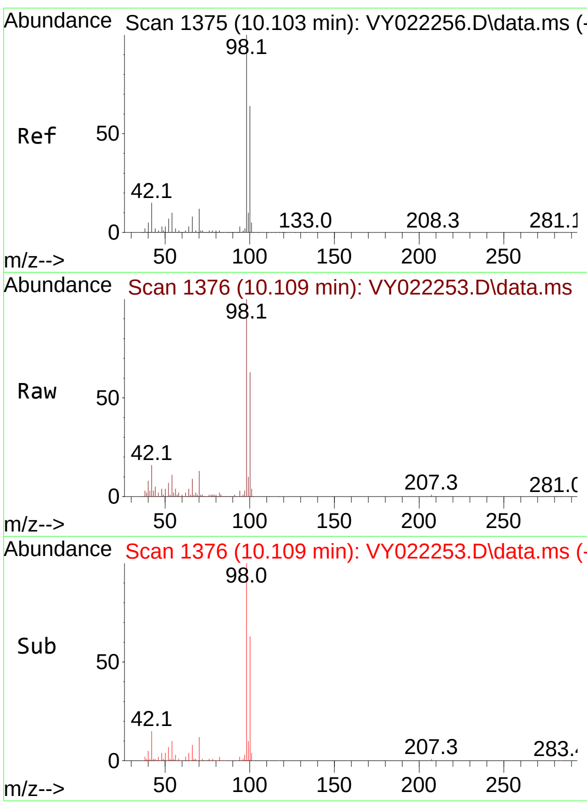
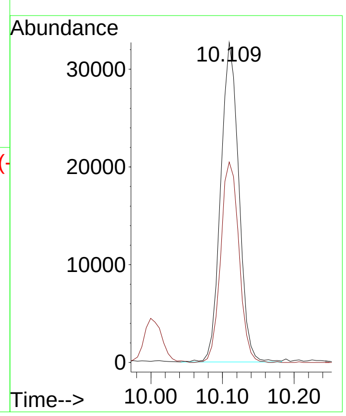
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025






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

Tgt Ion: 98 Resp:    57575
Ion  Ratio  Lower  Upper
 98  100
100   63.2   51.8   77.8
```



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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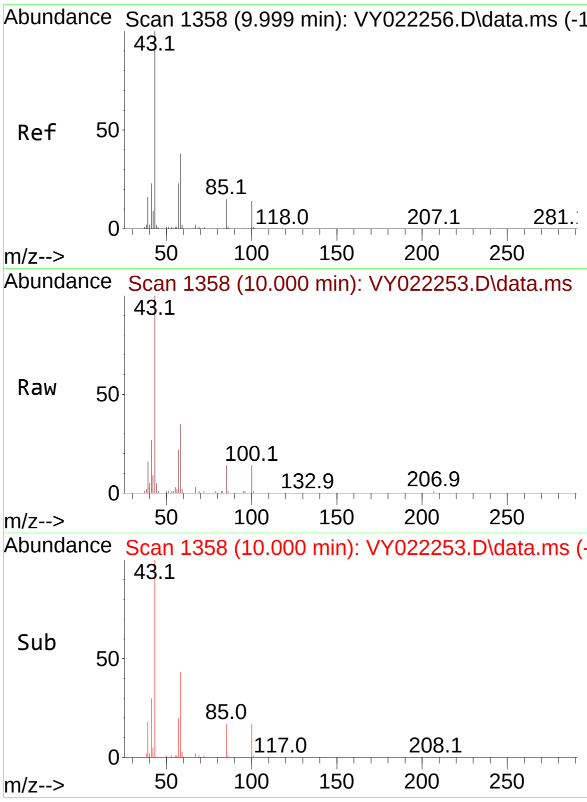
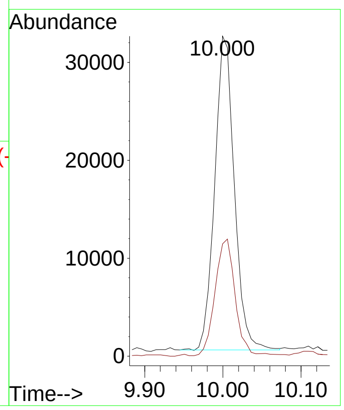
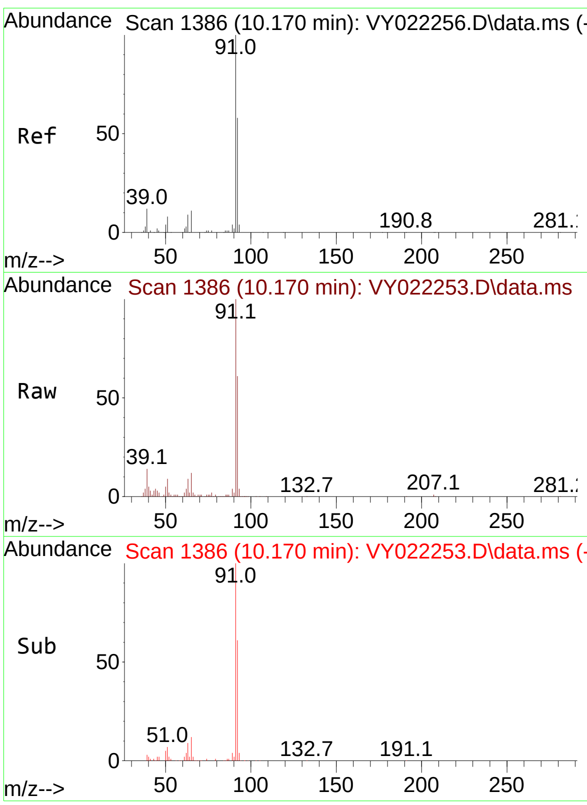
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




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

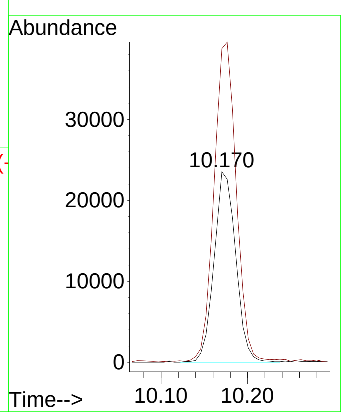
Tgt Ion: 43 Resp:   5588
Ion  Ratio  Lower  Upper
 43  100
 58   38.3   29.4   44.2
```






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

Tgt Ion: 92 Resp:   41001
Ion  Ratio  Lower  Upper
 92  100
 91  171.8  139.1  208.7
```



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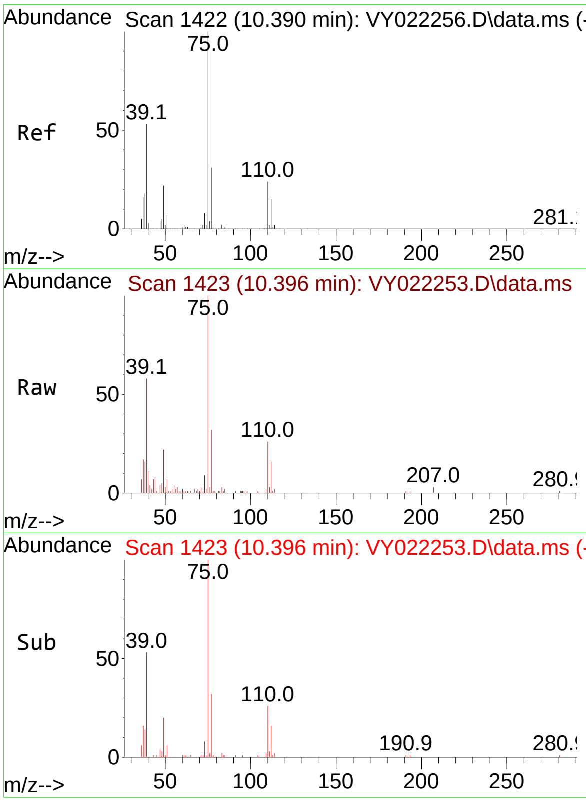


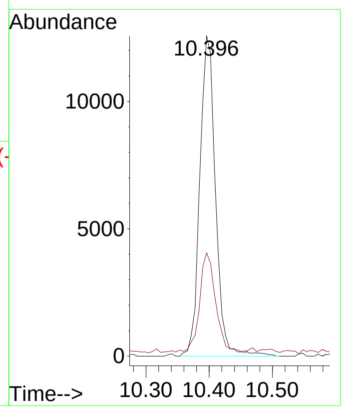
#53
t-1,3-Dichloropropene
Concen: 4.839 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

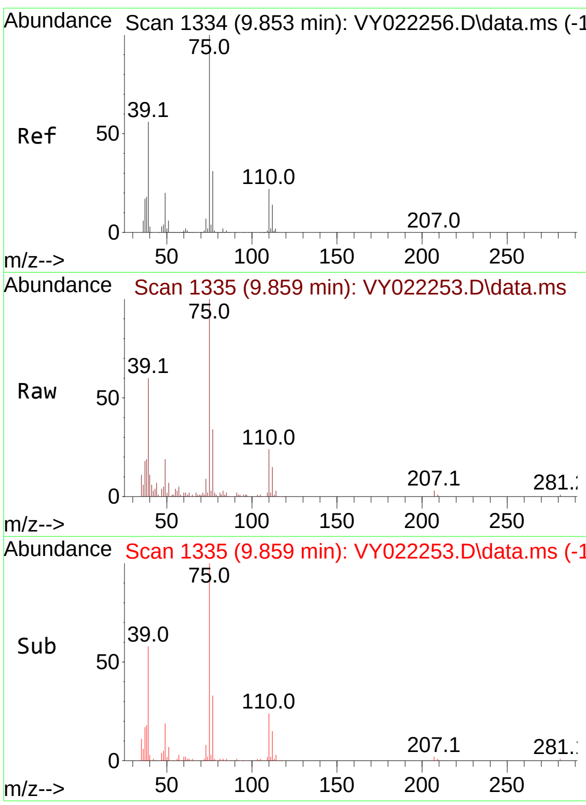
Tgt Ion: 75 Resp: 2184

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

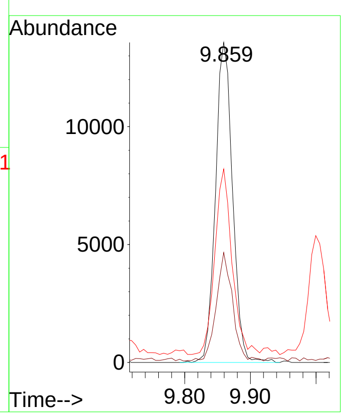




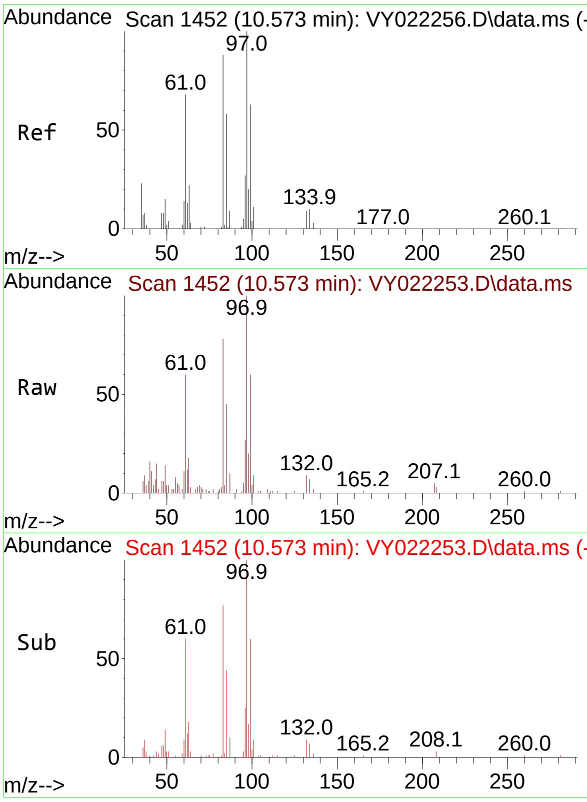
#54
cis-1,3-Dichloropropene
Concen: 4.758 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 24609

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



ICAL Form



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

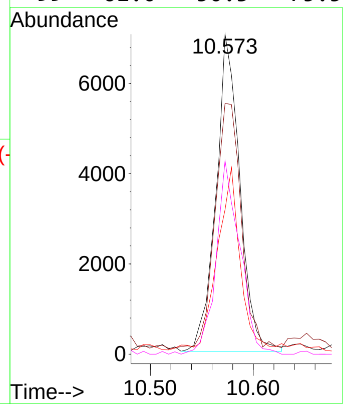
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

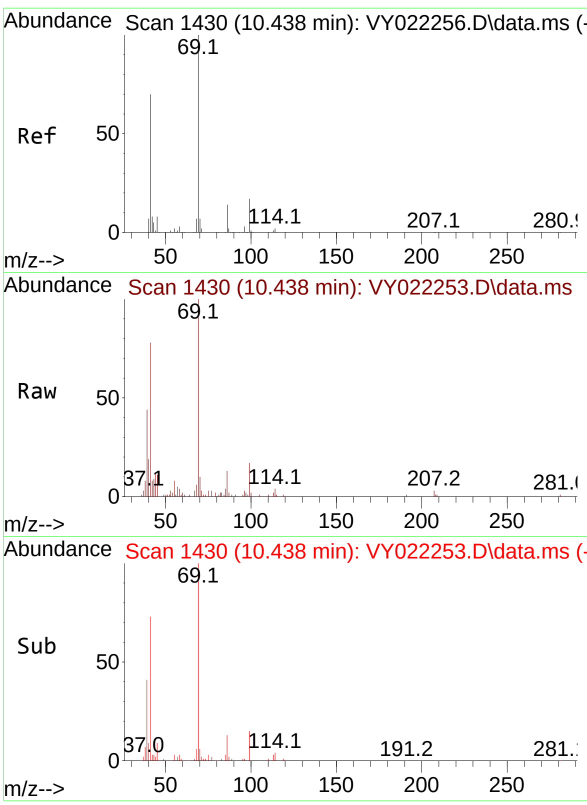
Tgt Ion: 97 Resp: 11333

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

Manual Integrations APPROVED

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

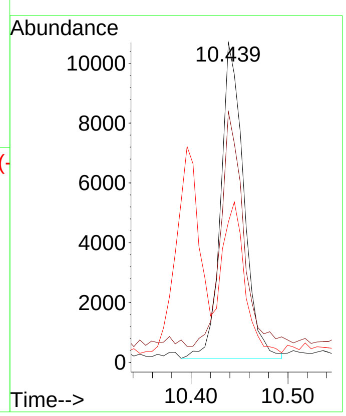


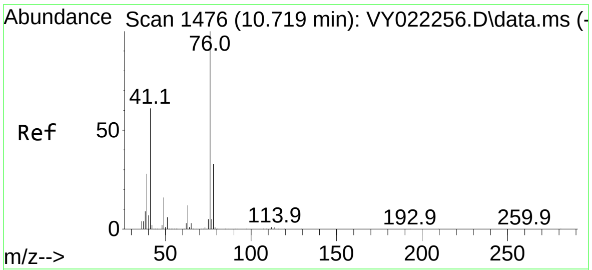


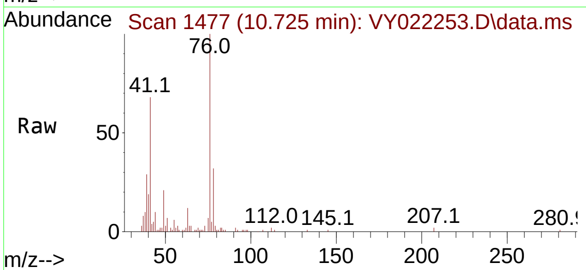
#56
Ethyl methacrylate
Concen: 4.898 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

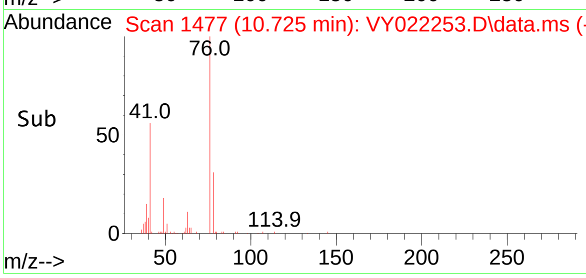
Tgt Ion: 69 Resp: 17420

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









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

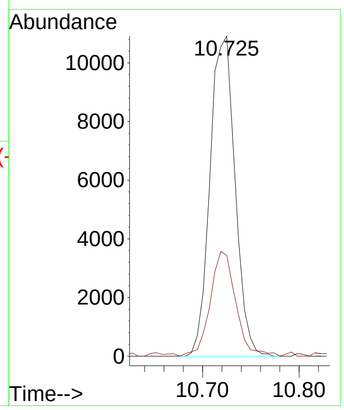
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

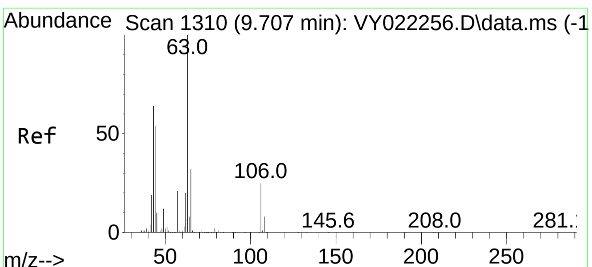
Tgt Ion: 76 Resp: 1968

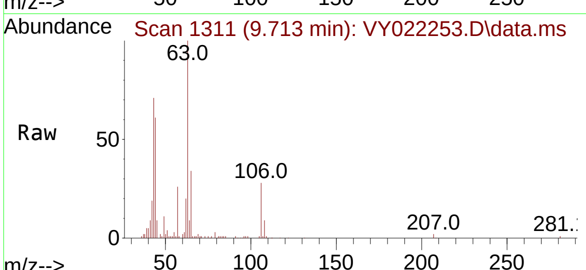
Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

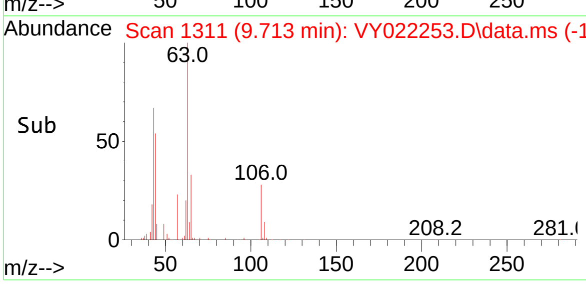
Manual Integrations APPROVED

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





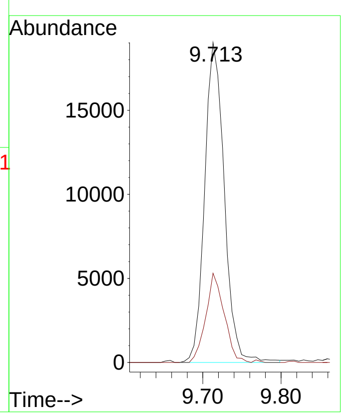


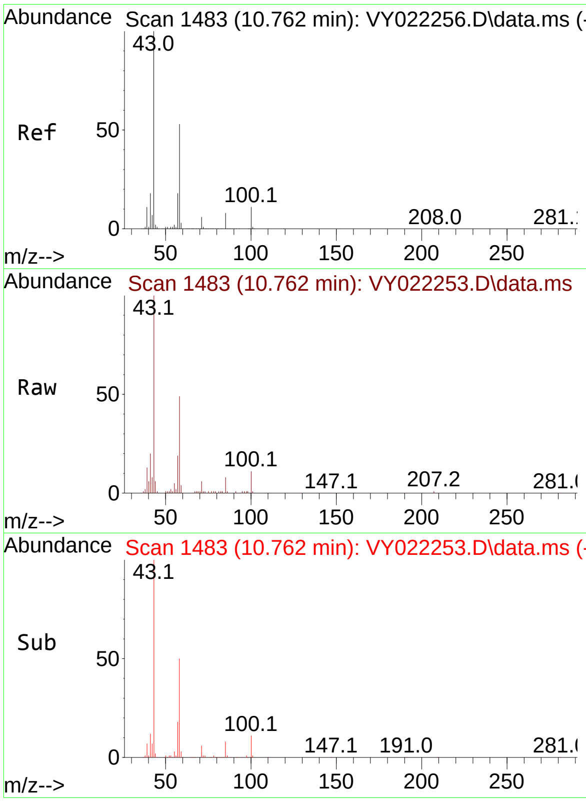


#58
2-Chloroethyl Vinyl ether
Concen: 20.807 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 33215

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.0	31.4





#59
2-Hexanone
Concen: 24.617 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

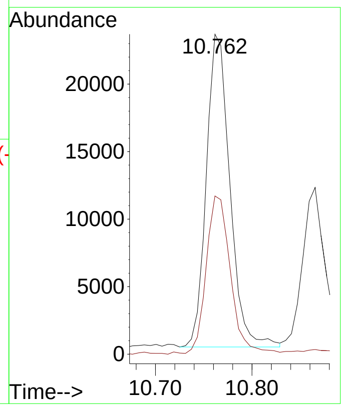
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

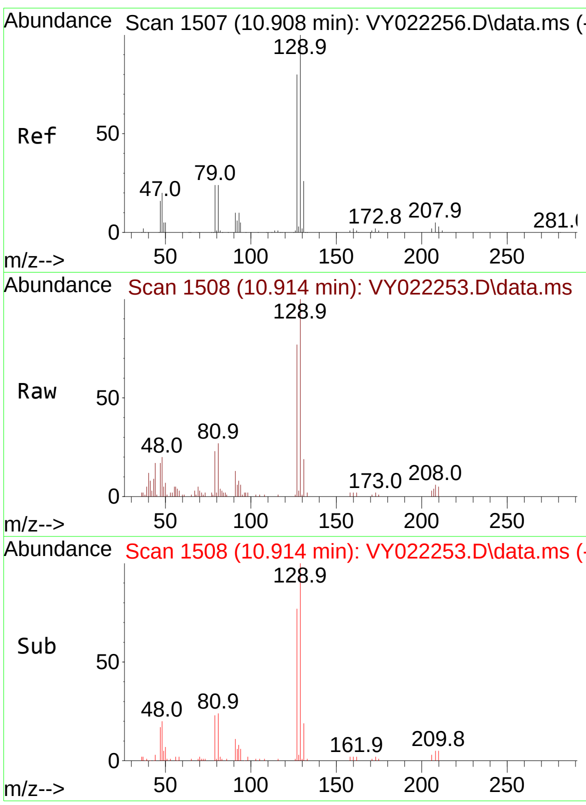
Tgt Ion: 43 Resp: 3930

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

Manual Integrations APPROVED

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

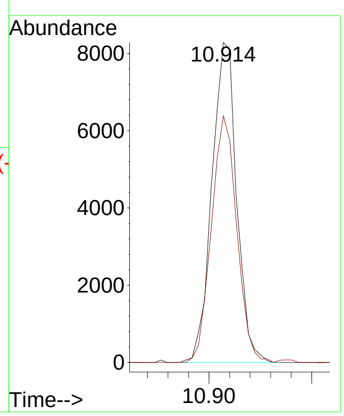




#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:129 Resp: 13908

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.7



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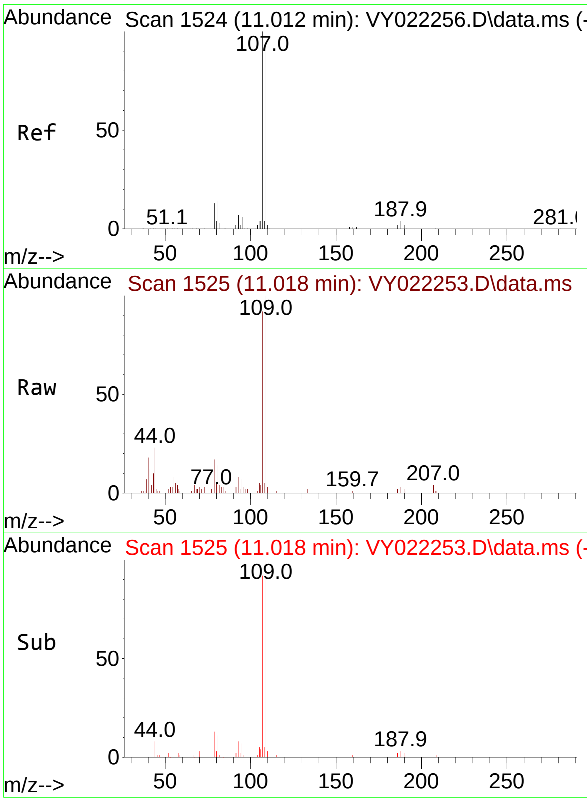
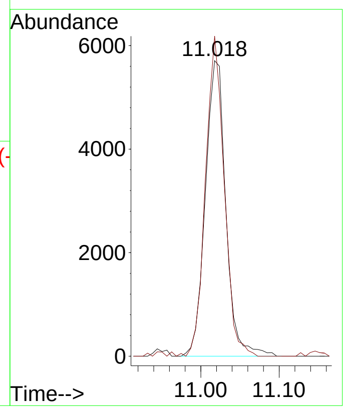


#61
1,2-Dibromoethane
Concen: 4.883 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:107 Resp: 1039

Ion	Ratio	Lower	Upper
107	100		
109	98.9	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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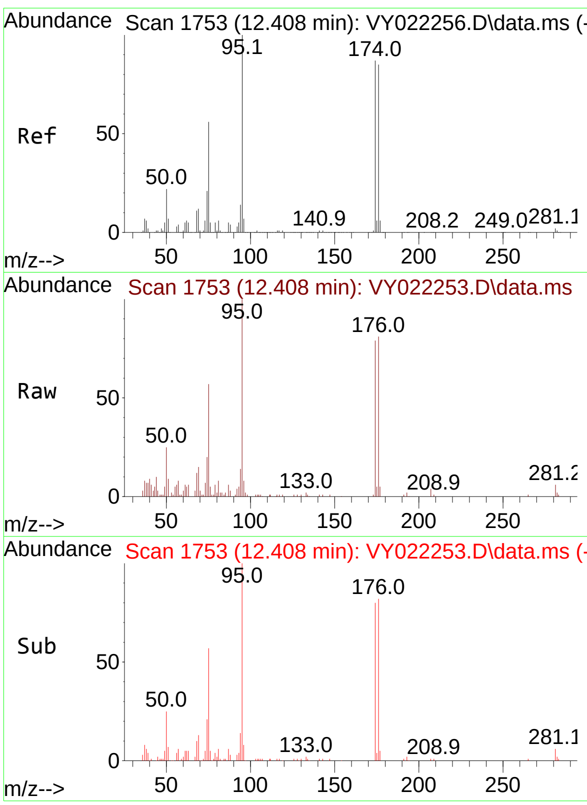
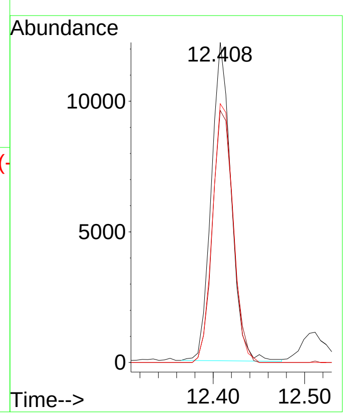
Supervised By :Semsettin Yesilyurt 05/16/2025

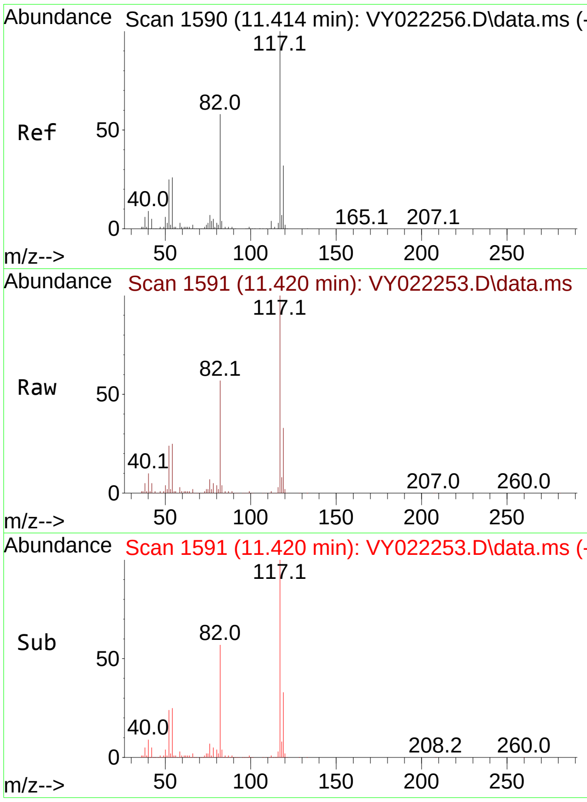


#62
4-Bromofluorobenzene
Concen: 5.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 95 Resp: 18328

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





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 38539

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

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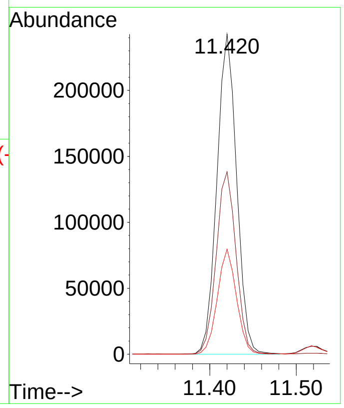
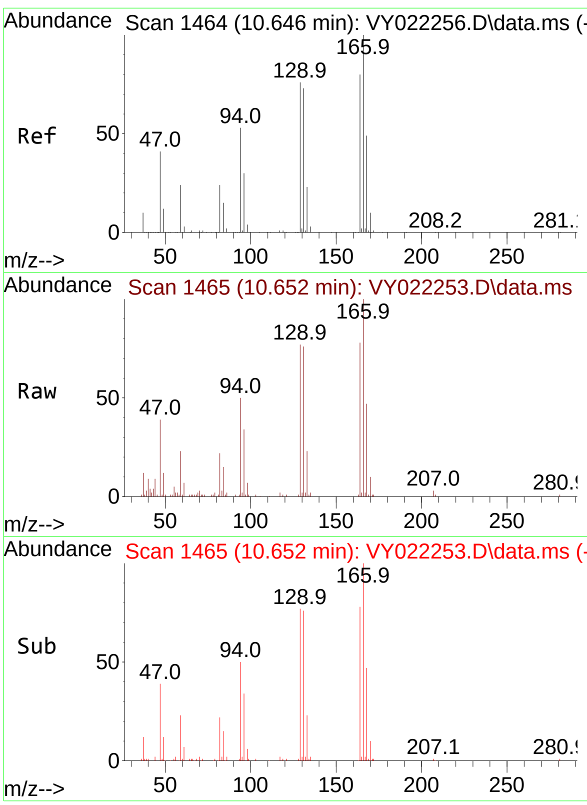
Supervised By :Semsettin Yesilyurt 05/16/2025

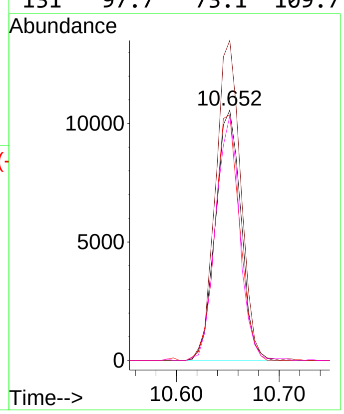




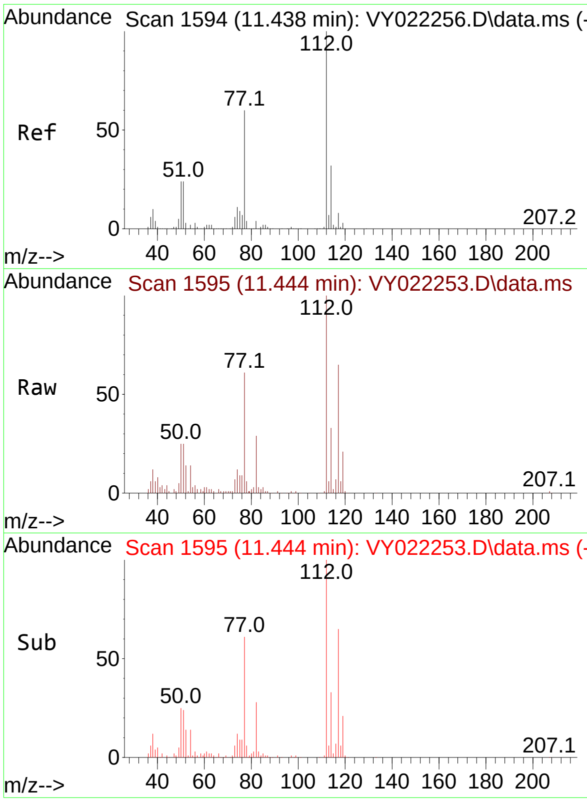
#64
Tetrachloroethene
Concen: 5.125 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:164 Resp: 18255

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



ICAL Form



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

Tgt Ion:112 Resp: 4284

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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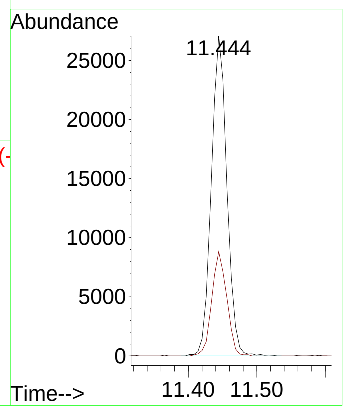
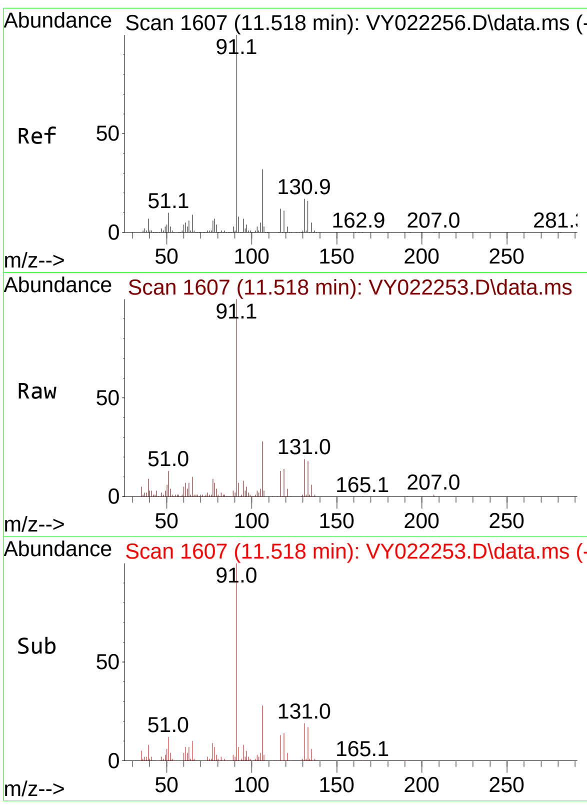
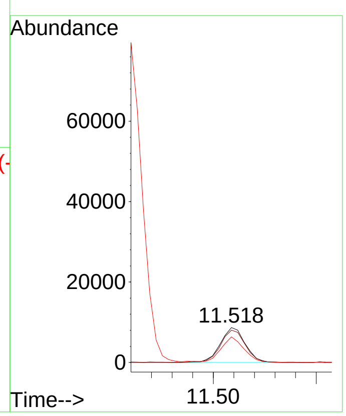




#66
1,1,1,2-Tetrachloroethane
Concen: 4.812 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:131 Resp: 14385

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



Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

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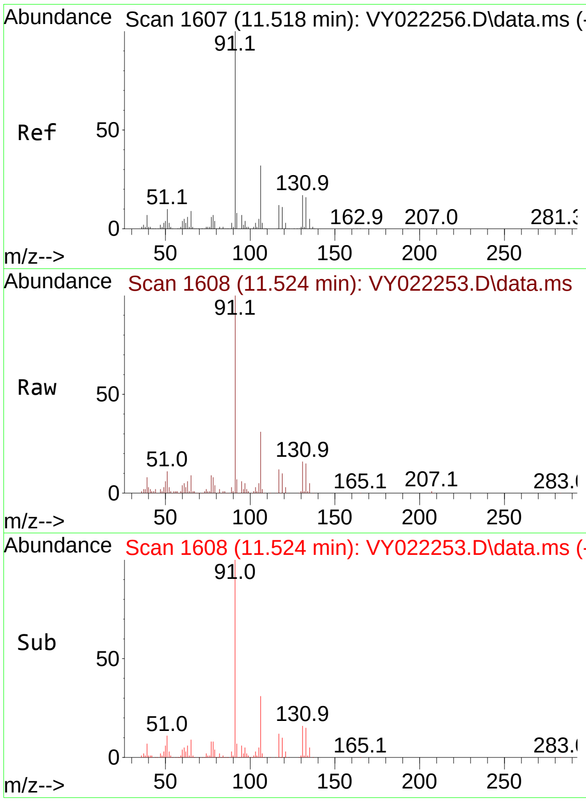
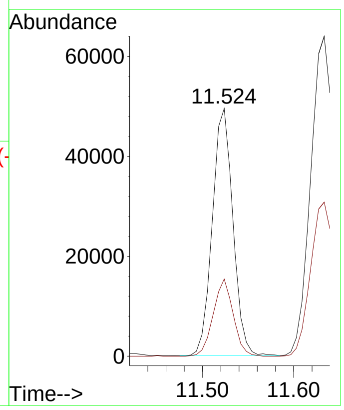
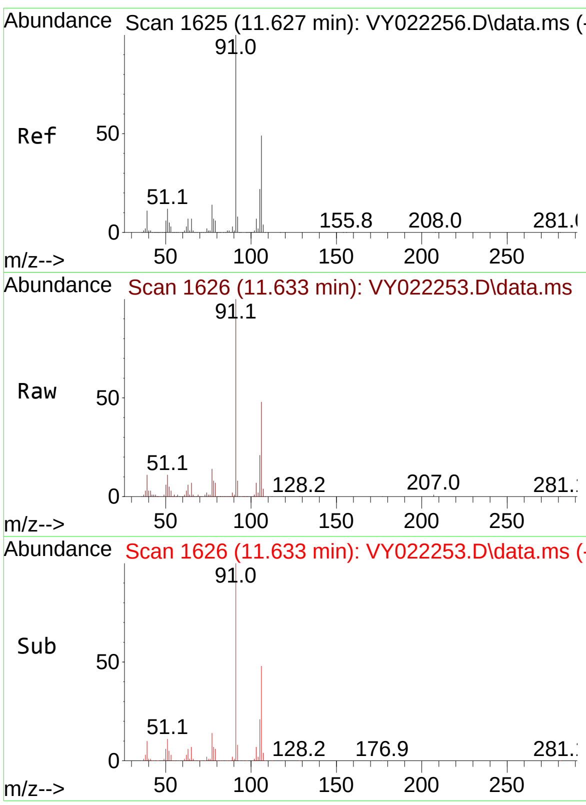


#67
Ethyl Benzene
Concen: 4.766 ug/l
RT: 11.524 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 7760(

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0

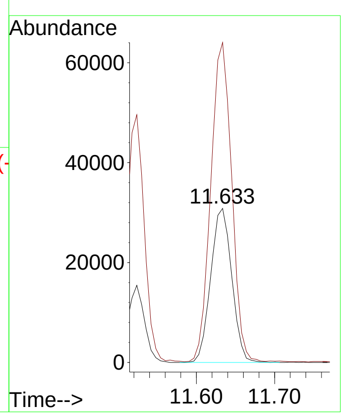




#68
m/p-Xylenes
Concen: 9.407 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:106 Resp: 57721

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.0	244.4



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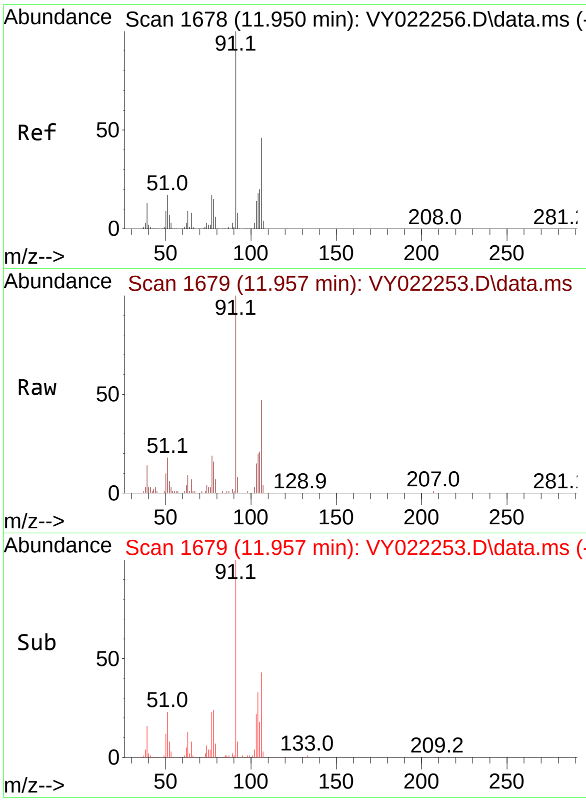

#69
o-Xylene
Concen: 4.673 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 2713
Ion Ratio Lower Upper
106 100
91 218.6 108.3 324.8

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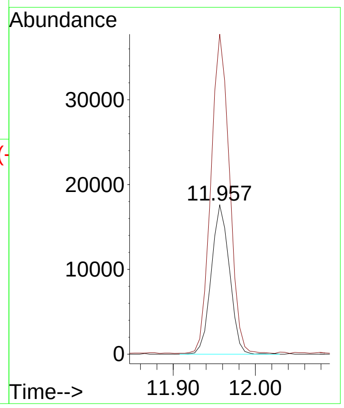
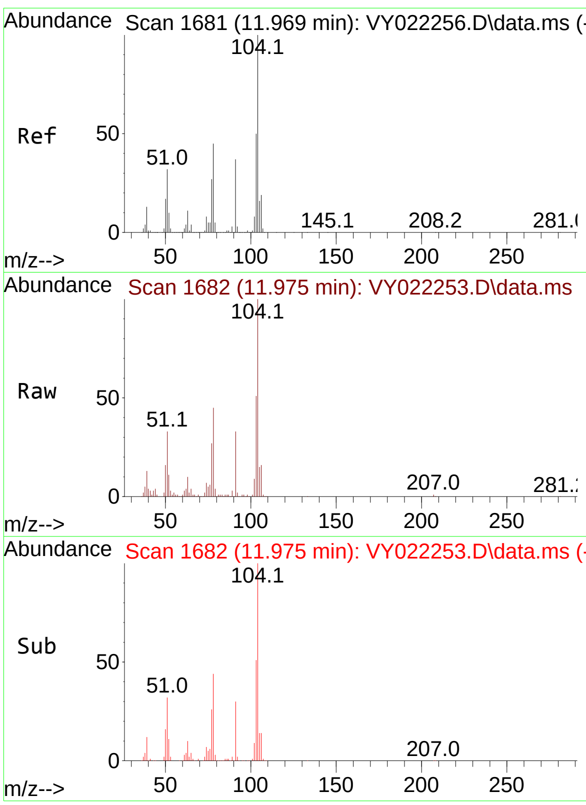
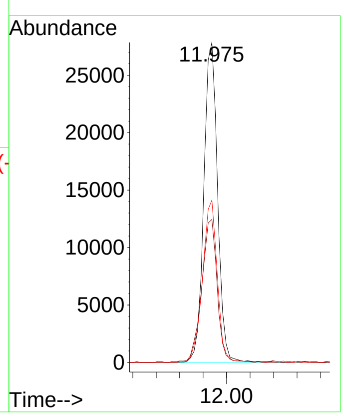
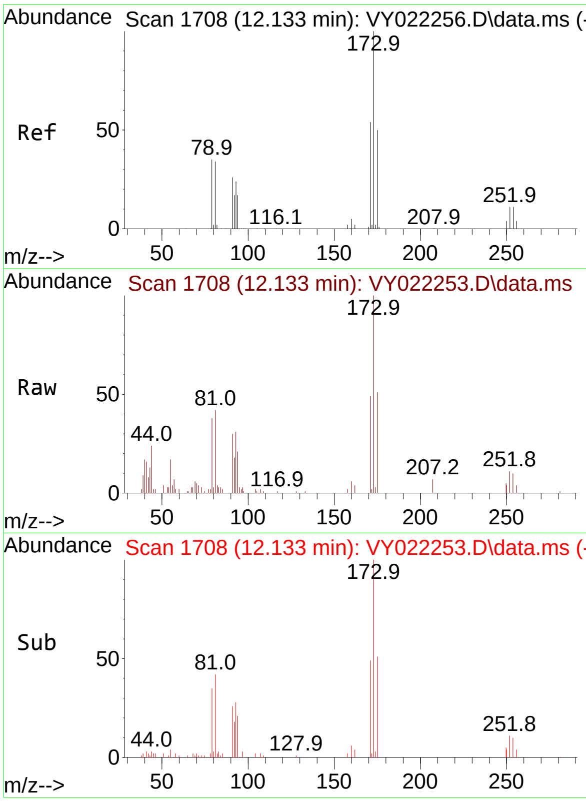




#70
Styrene
Concen: 4.652 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:104 Resp: 45556
Ion Ratio Lower Upper
104 100
78 50.6 40.9 61.3
103 54.2 43.7 65.5





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

Tgt Ion:173 Resp: 7799

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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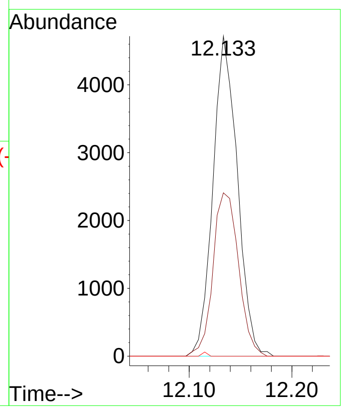
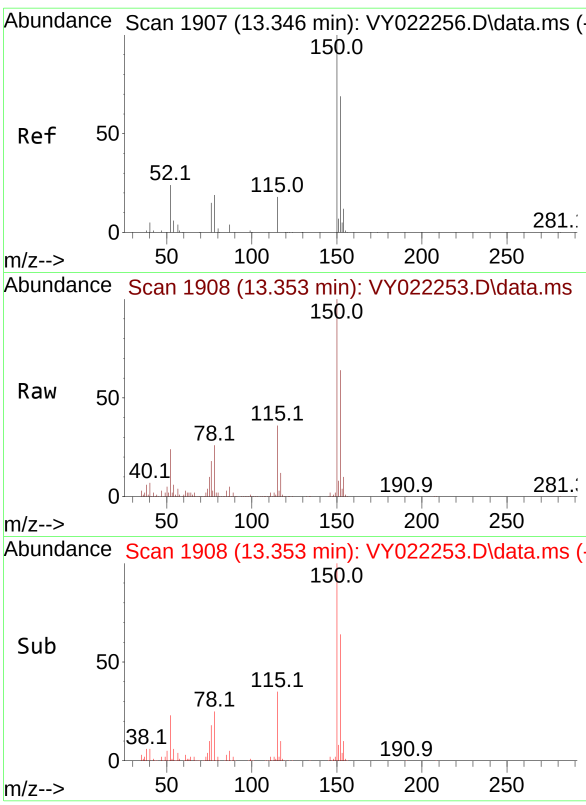
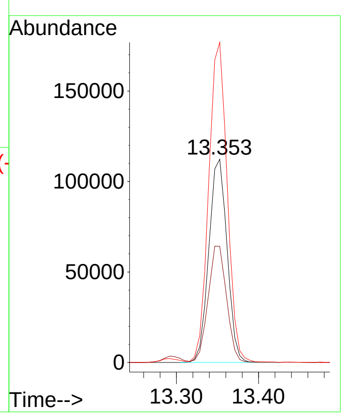




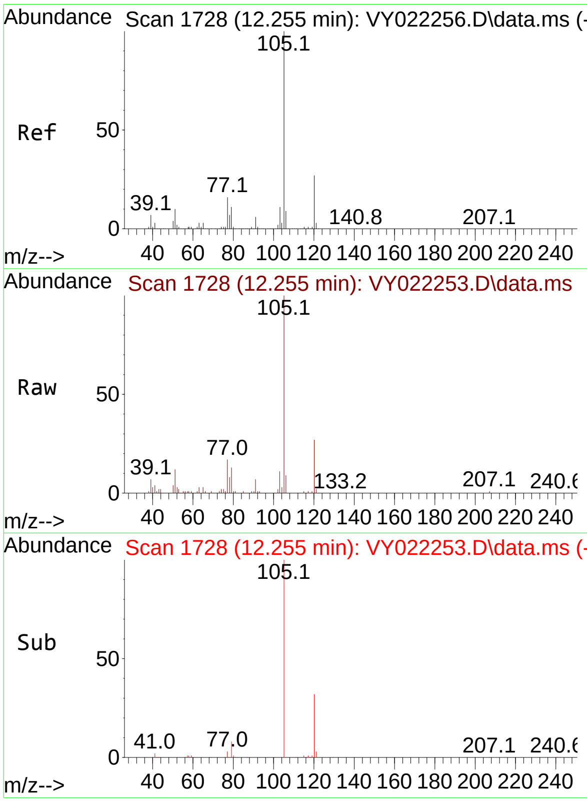
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min   Scan# 1908
Delta R.T.   0.006 min
Lab File: VY022253.D
Acq: 15 May 2025   09:46

Tgt Ion:152 Resp: 174003

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



ICAL Form



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

Tgt Ion:105 Resp: 7232

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.2	39.6

Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

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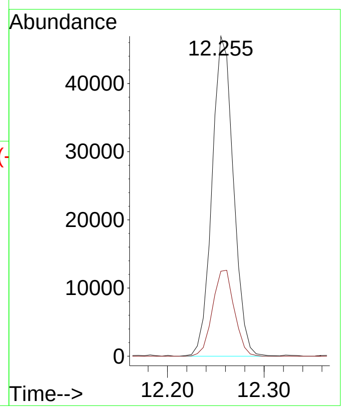
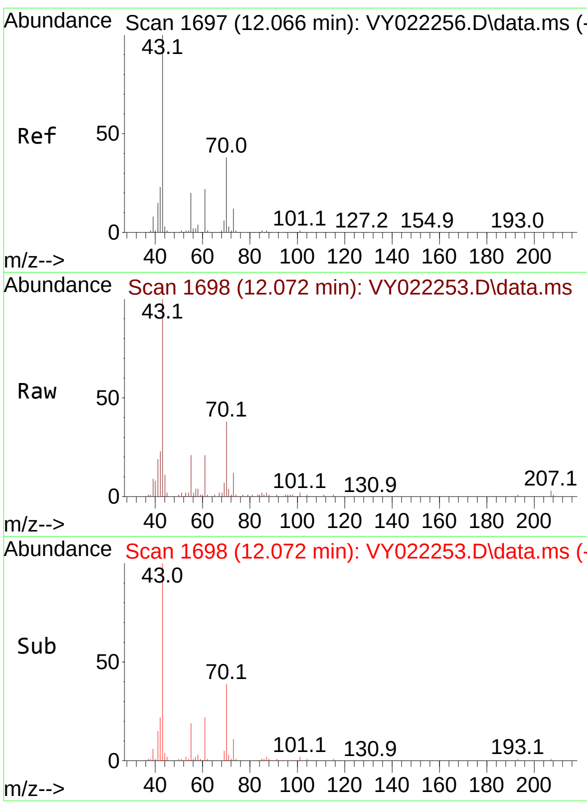
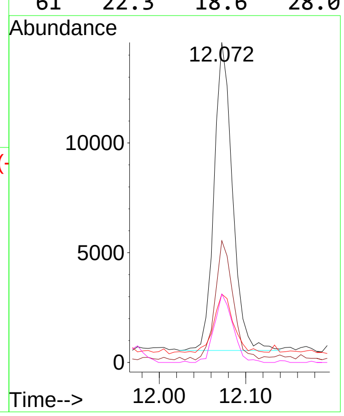


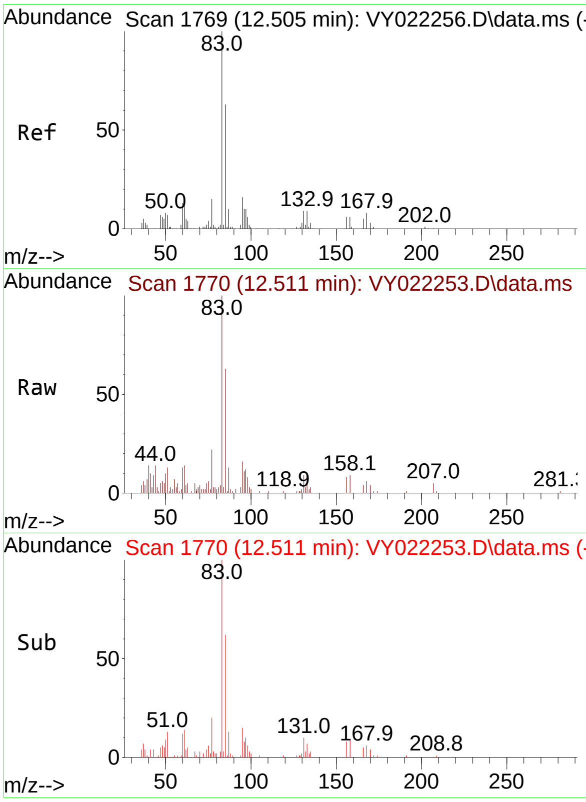


#74
N-amyl acetate
Concen: 5.043 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 20793

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





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1142

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

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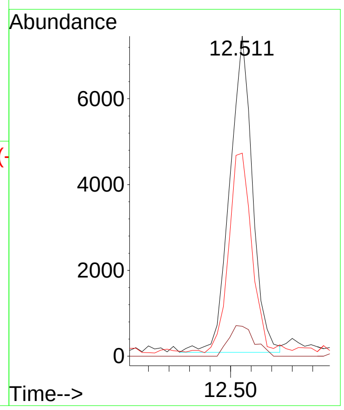
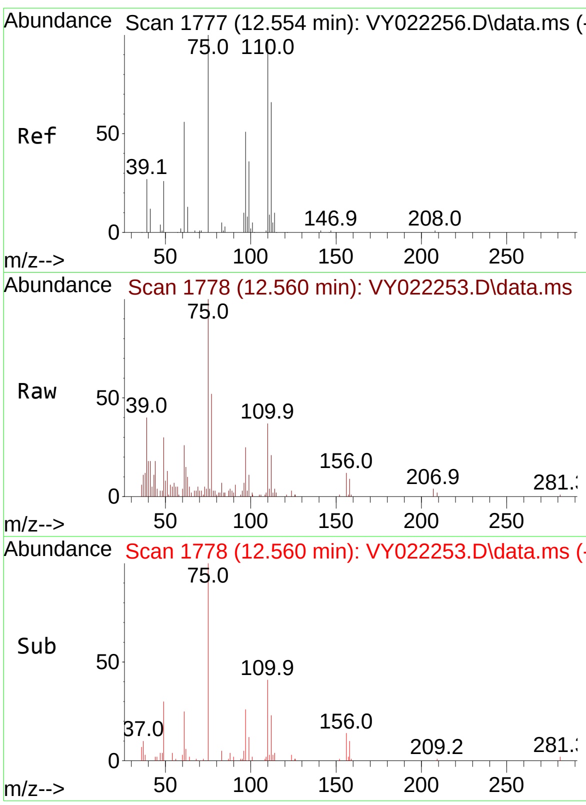
Supervised By :Semsettin Yesilyurt 05/16/2025

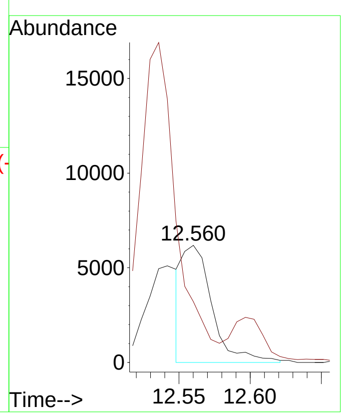




#76
1,2,3-Trichloropropane
Concen: 2.960 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 9076

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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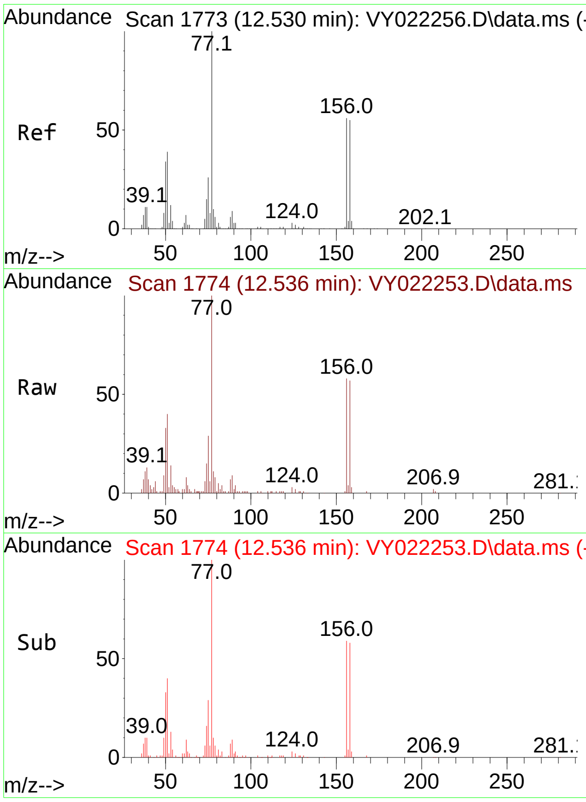

#77
Bromobenzene
Concen: 5.015 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 1544

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

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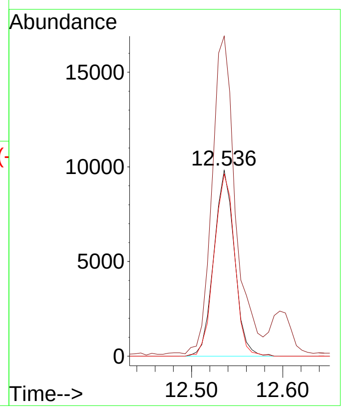
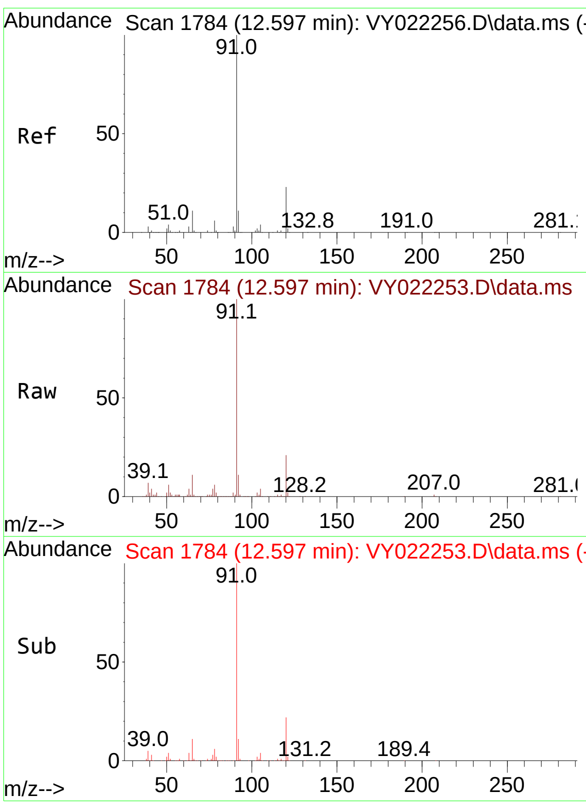
Supervised By :Semsettin Yesilyurt 05/16/2025

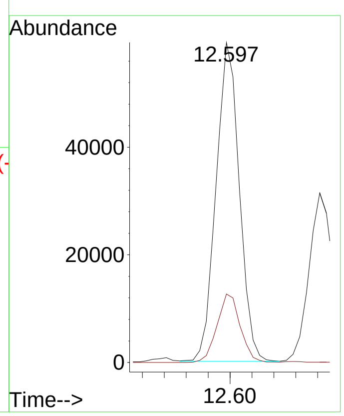




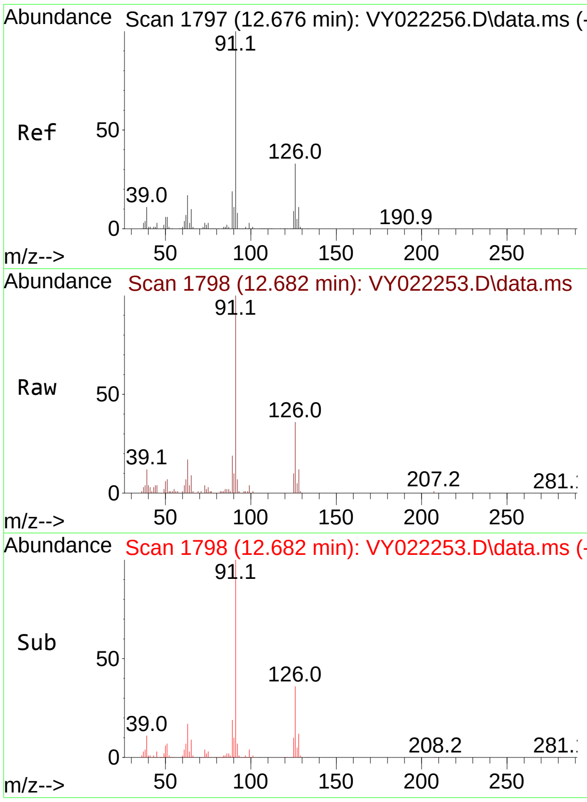
#78
n-propylbenzene
Concen: 5.034 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 87533

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3



ICAL Form



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

Tgt Ion: 91 Resp: 4724

Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.8	50.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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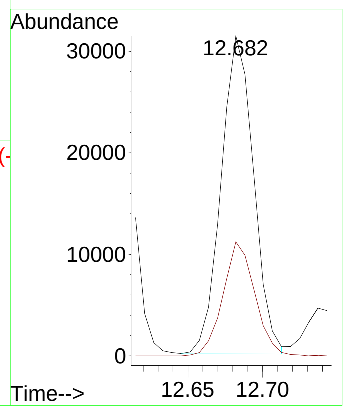
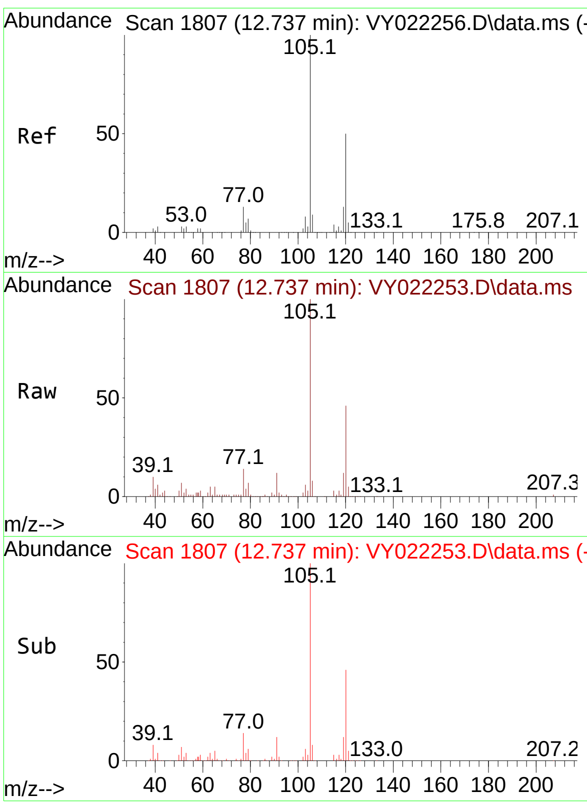
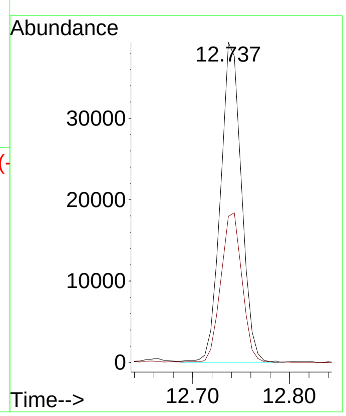




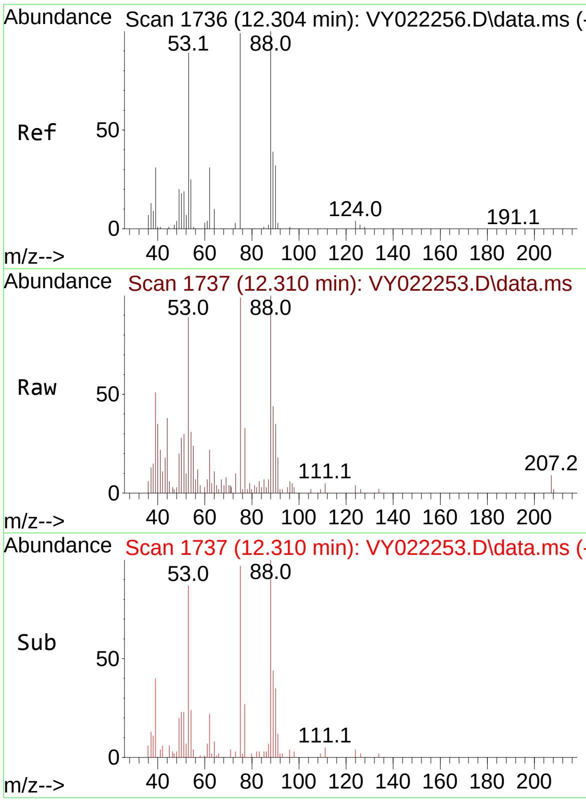
#80
1,3,5-Trimethylbenzene
Concen: 5.073 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 59031

Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.2	72.6



ICAL Form



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 467

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

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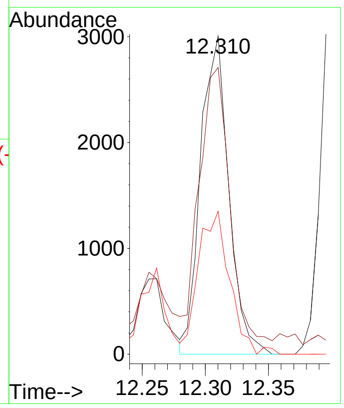
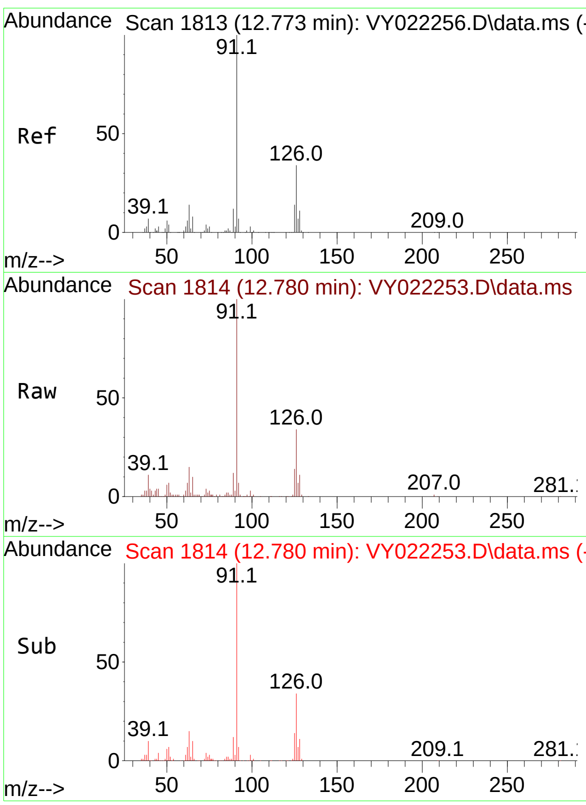
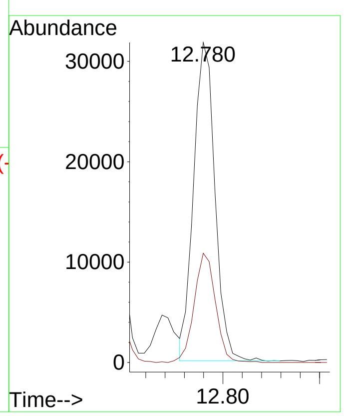


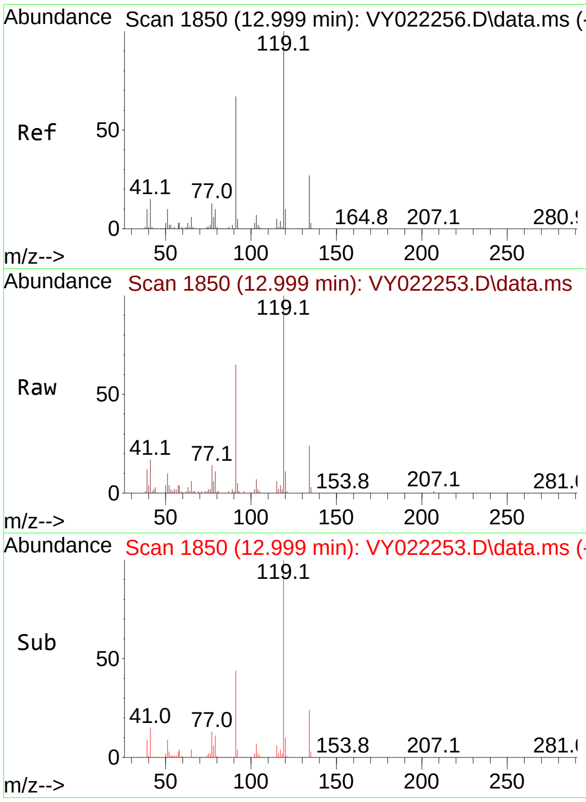


#82
4-Chlorotoluene
Concen: 4.959 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 48737

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4

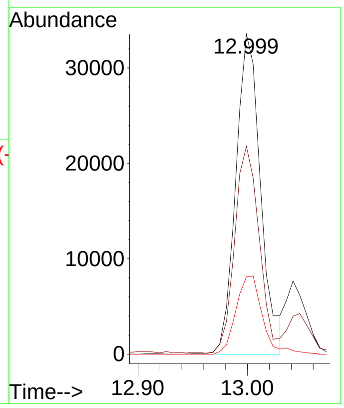




#83
tert-Butylbenzene
Concen: 5.109 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 5284

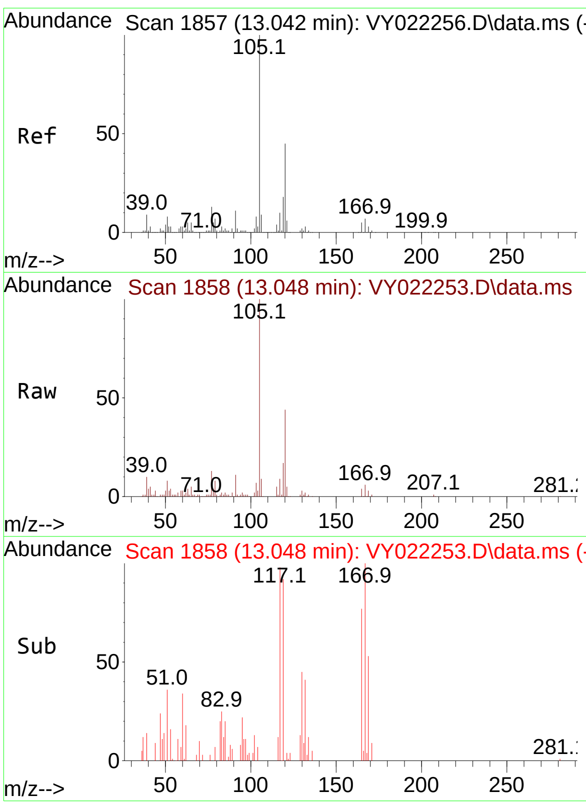
Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	26.0	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

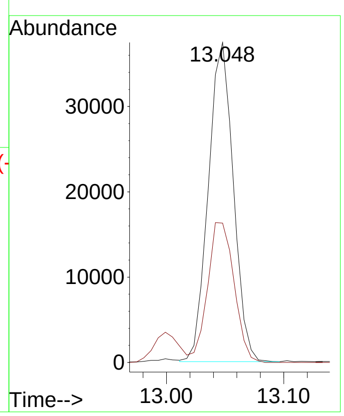
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



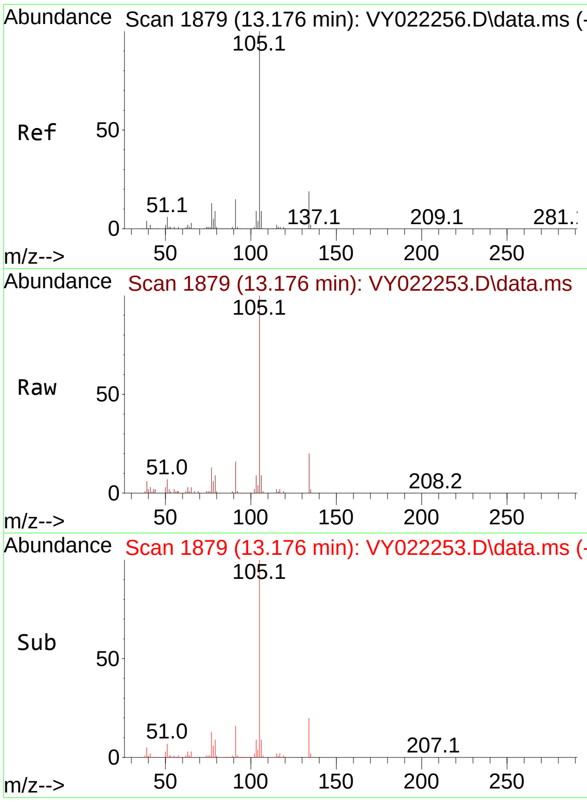
#84
1,2,4-Trimethylbenzene
Concen: 4.804 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 55488

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.3	66.9



ICAL Form



#85
sec-Butylbenzene
Concen: 4.975 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

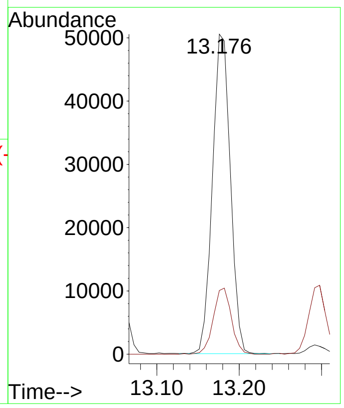
Tgt Ion:105 Resp: 76384

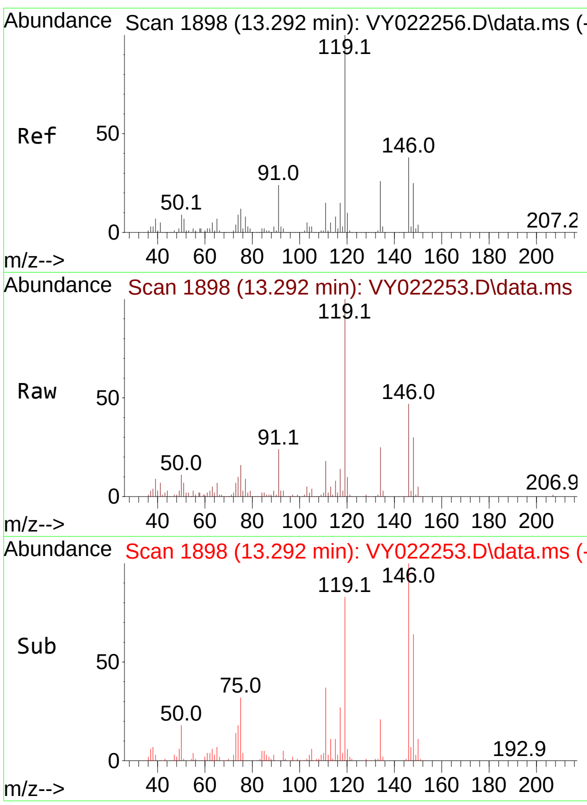
Ion	Ratio	Lower	Upper
105	100		
134	20.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

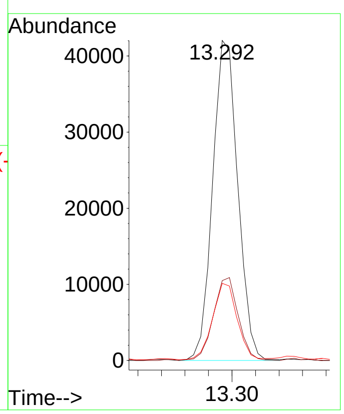


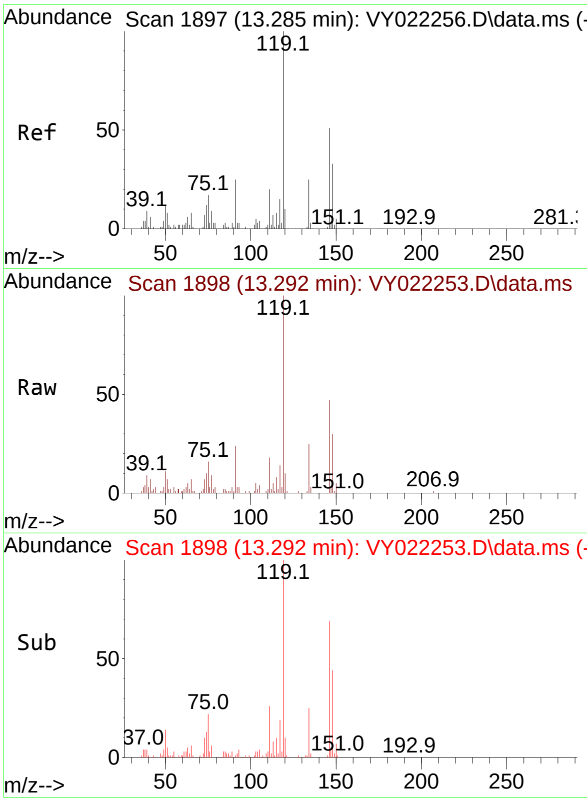


#86
p-Isopropyltoluene
Concen: 4.849 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 62608

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





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

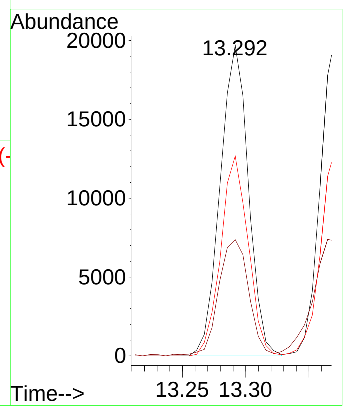
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

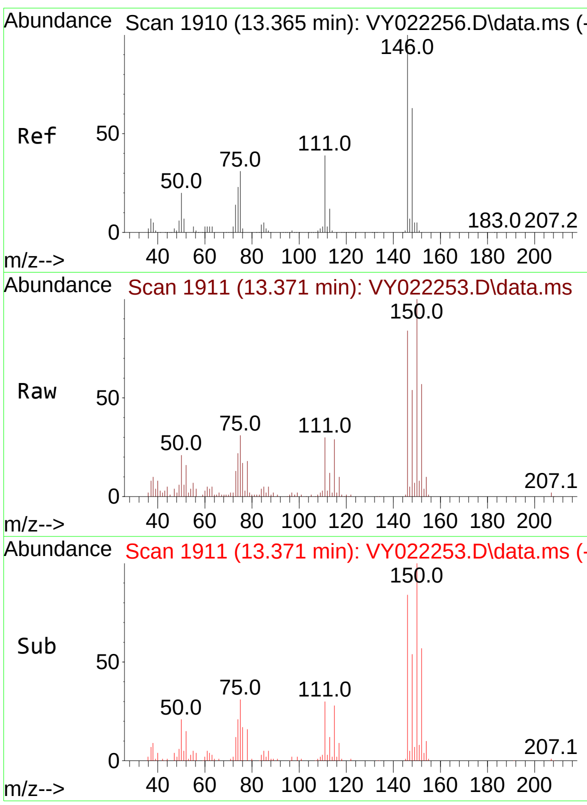
Manual Integrations
APPROVED

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

Tgt Ion:146 Resp: 3056

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

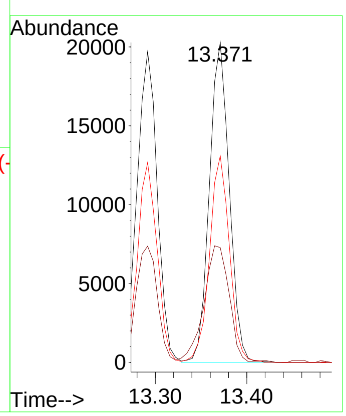




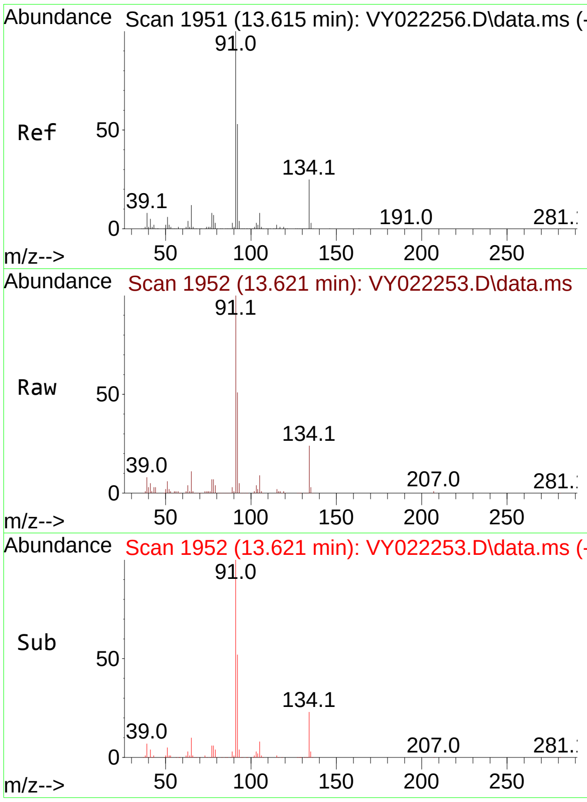
#88
1,4-Dichlorobenzene
Concen: 5.063 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 30610

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



ICAL Form



#89
n-Butylbenzene
Concen: 4.869 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 5948

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

Manual Integrations APPROVED

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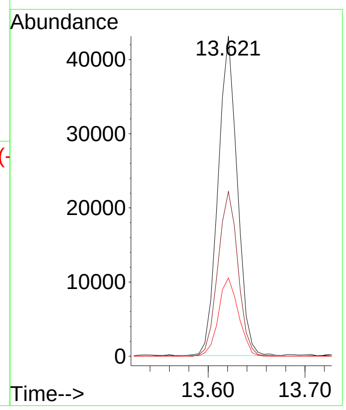
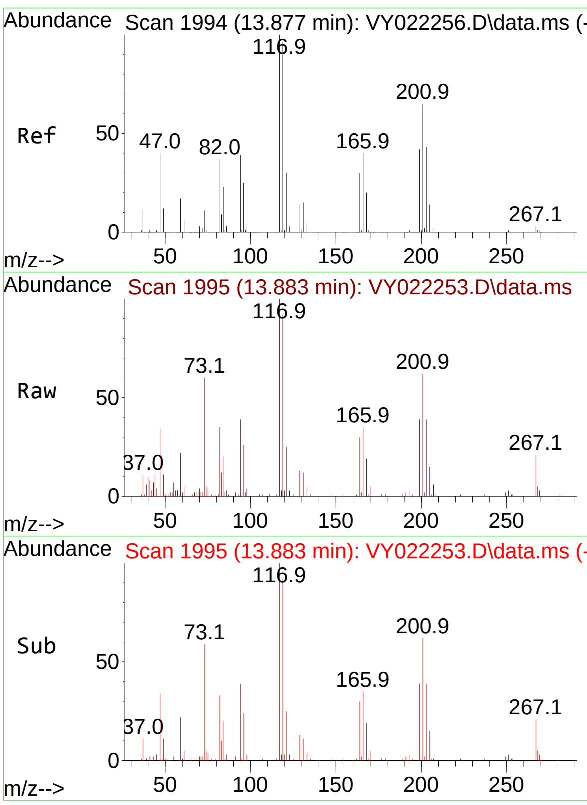
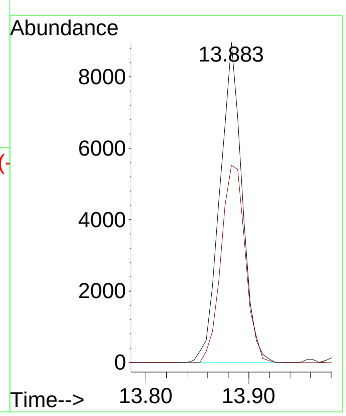




#90
Hexachloroethane
Concen: 5.158 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 13445

Ion	Ratio	Lower	Upper
117	100		
201	67.2	35.2	105.6

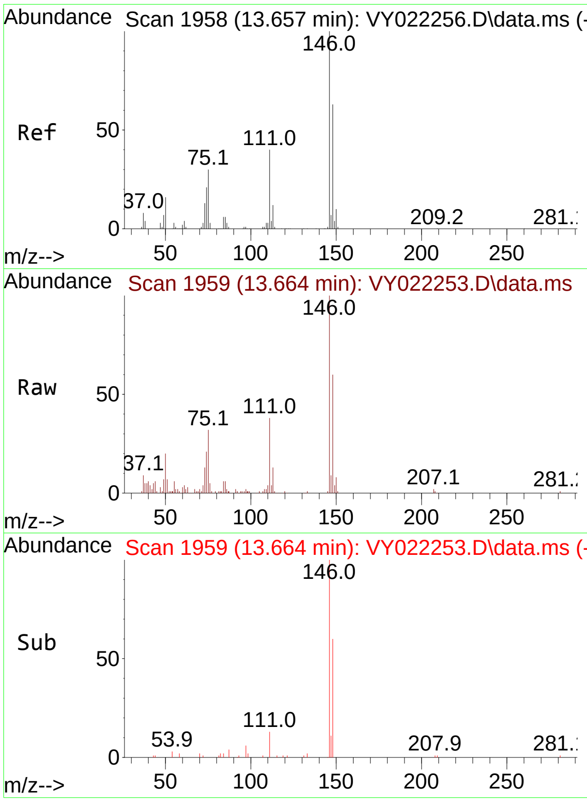


ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

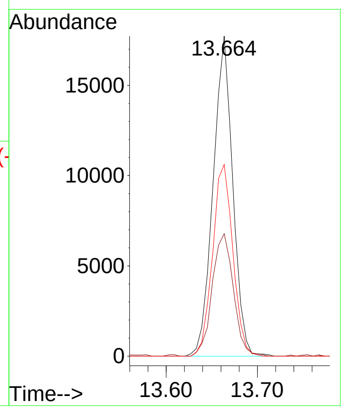
Manual Integrations APPROVED

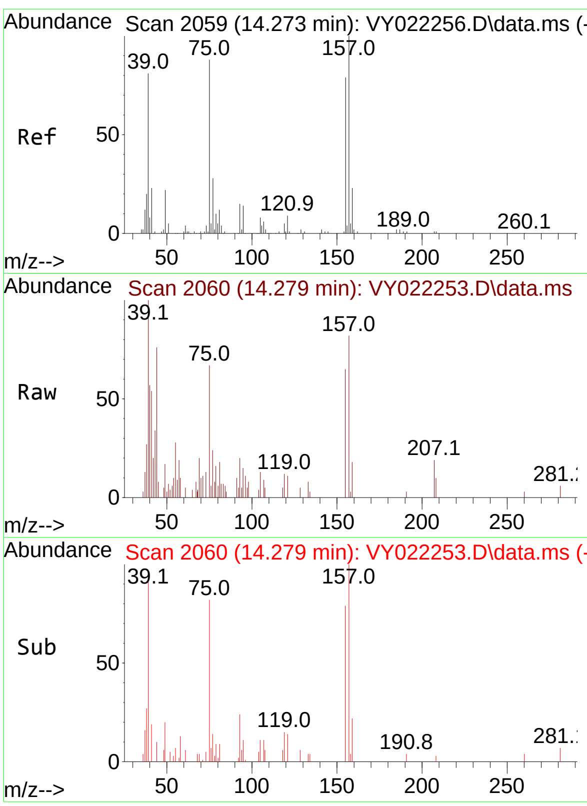
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




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

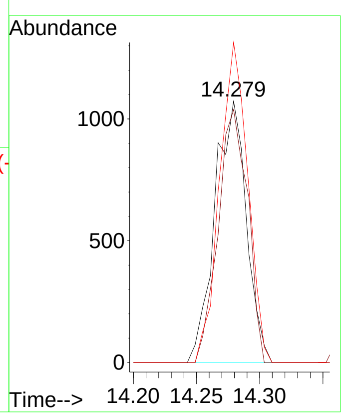
Tgt Ion:146 Resp:   2655
Ion  Ratio  Lower  Upper
146  100
111   41.2   20.5   61.5
148   61.8   32.0   96.0
```



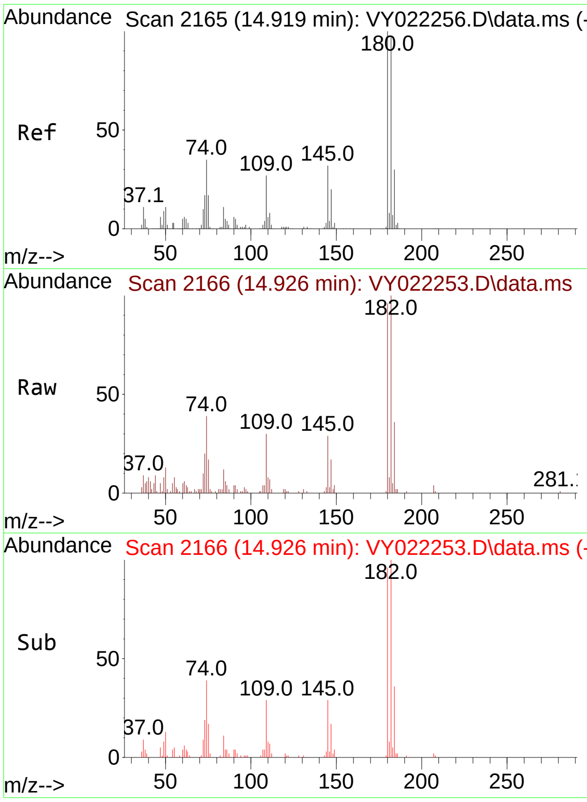



```
#92
1,2-Dibromo-3-Chloropropane
Concen:    5.217 ug/l
RT:  14.279 min  Scan# 2060
Delta R.T.  0.006 min
Lab File:   VY022253.D
Acq: 15 May 2025  09:46

Tgt Ion: 75 Resp:    1865
Ion  Ratio  Lower  Upper
 75  100
155   90.8   43.4  130.1
157  109.4   54.6  163.9
```



ICAL Form



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 1496

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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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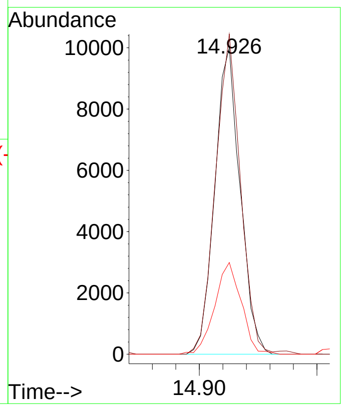
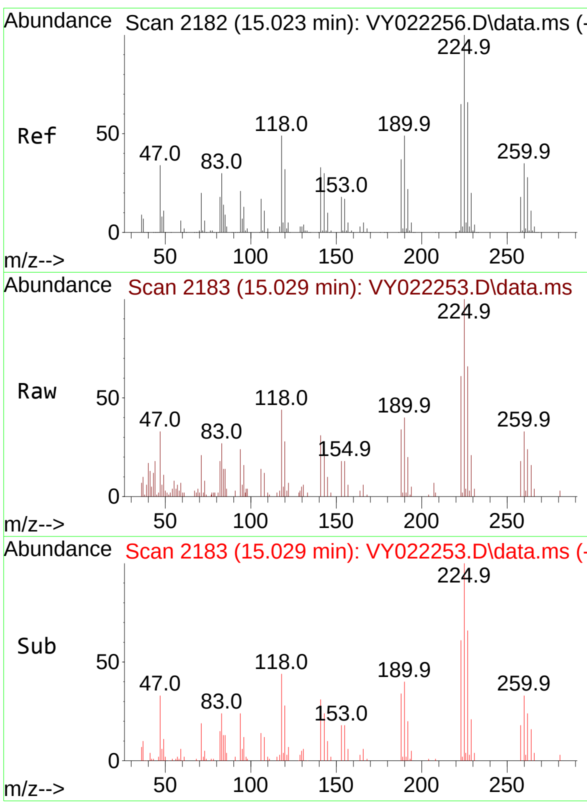
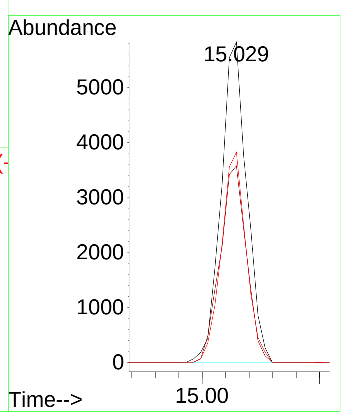


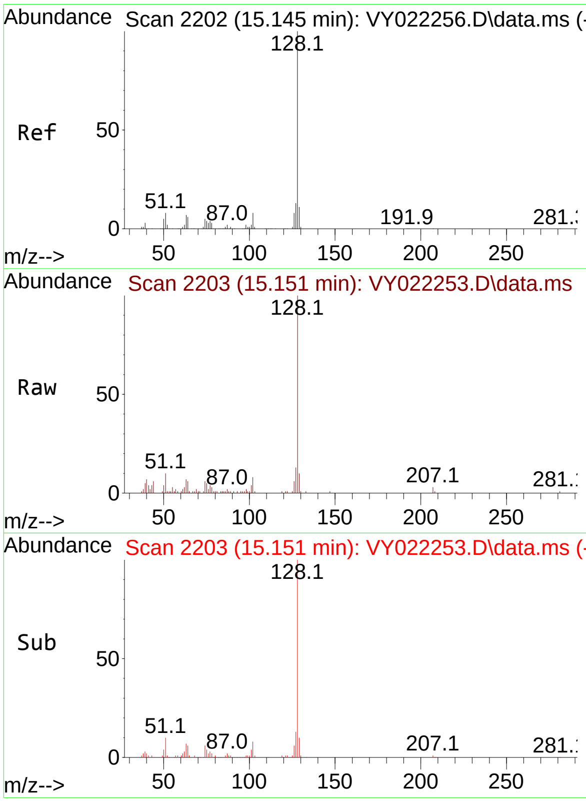


#94
Hexachlorobutadiene
Concen: 5.226 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:225 Resp: 8887

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





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

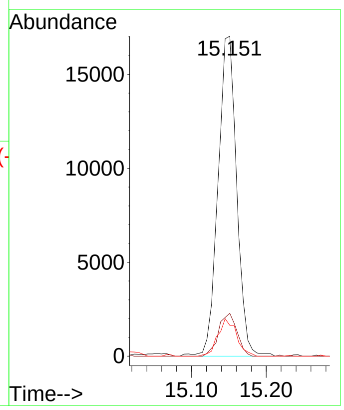
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

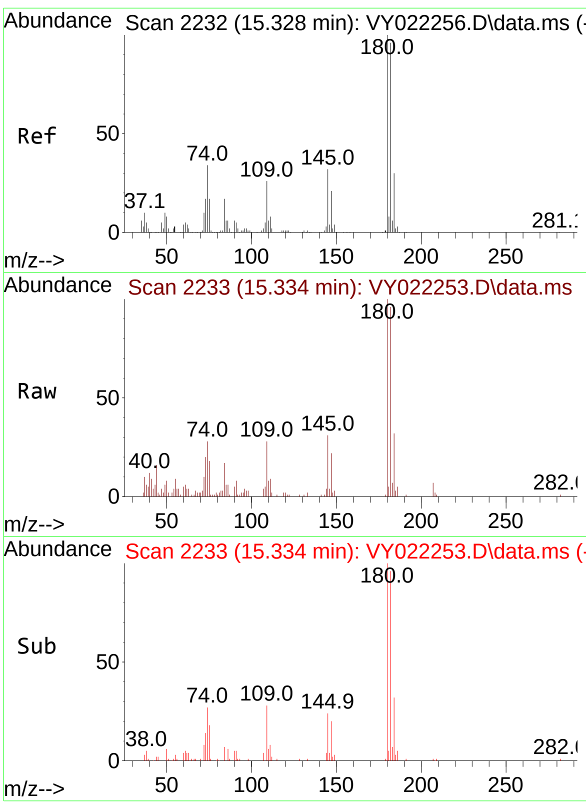
Tgt Ion:128 Resp: 2965

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

Manual Integrations APPROVED

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

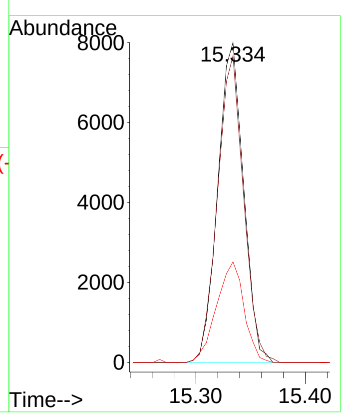




#96
1,2,3-Trichlorobenzene
Concen: 5.063 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:180 Resp: 13097

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

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Reviewed By :Mahesh Dadoda 05/16/2025
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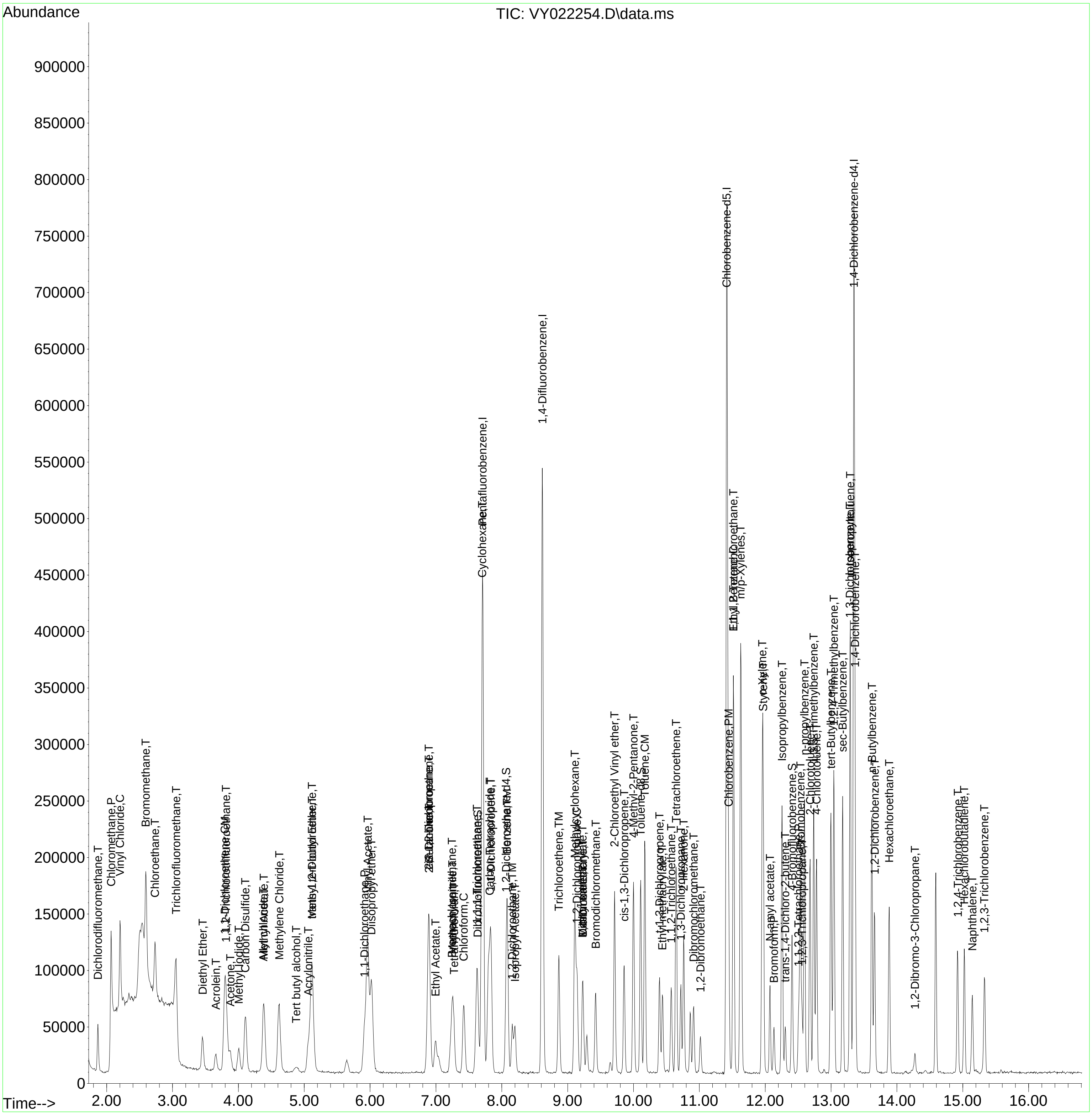

ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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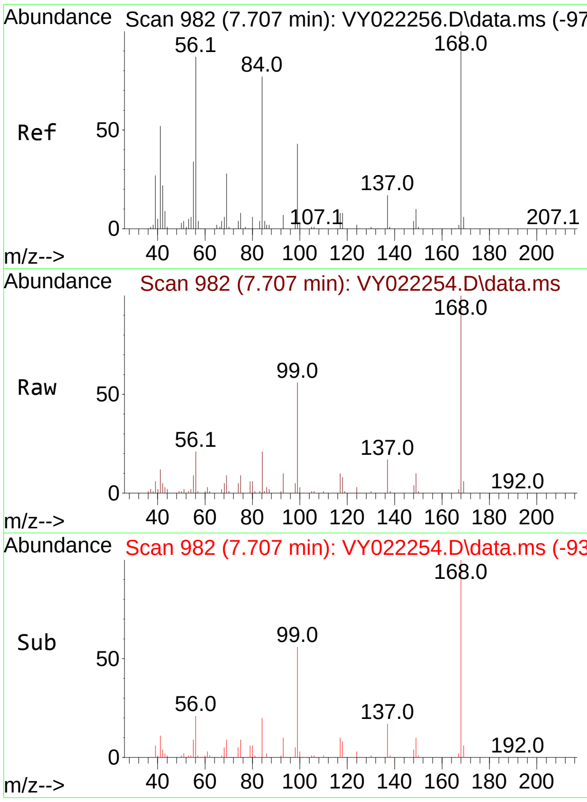
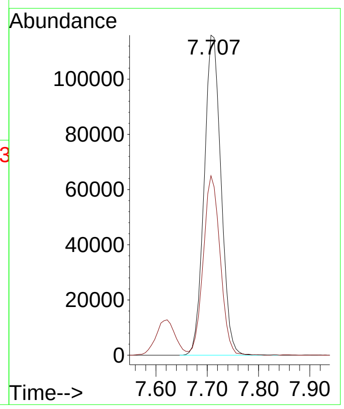
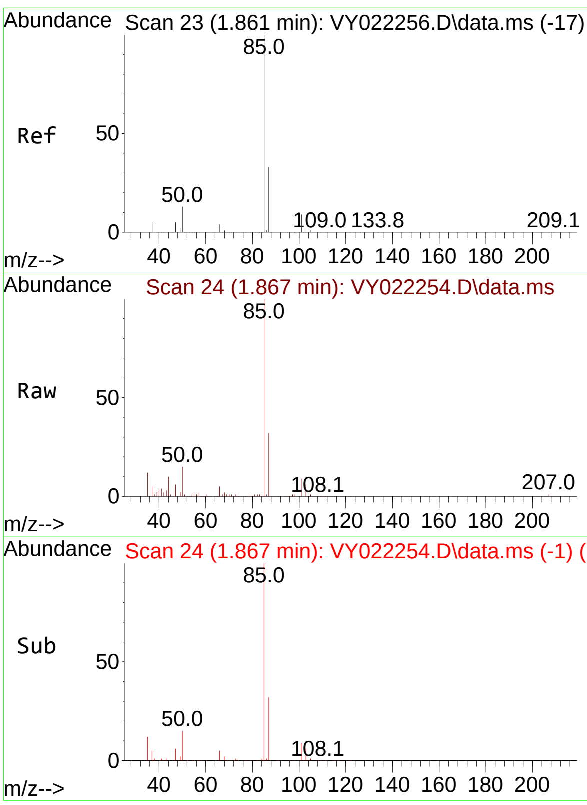


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:168 Resp: 265034

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.2	66.4

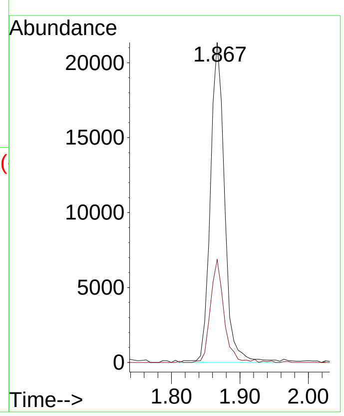


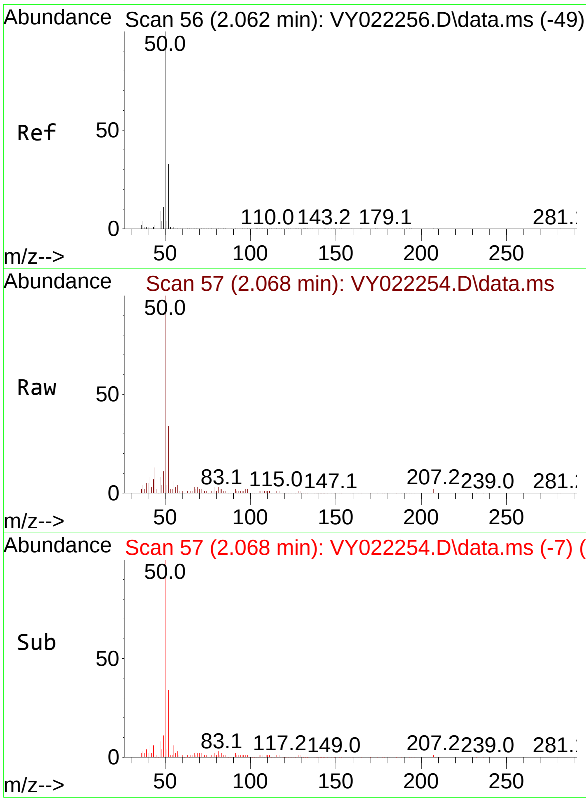


#2
Dichlorodifluoromethane
Concen: 11.245 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 85 Resp: 31097

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.5	49.5





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

Tgt Ion: 50 Resp: 6558

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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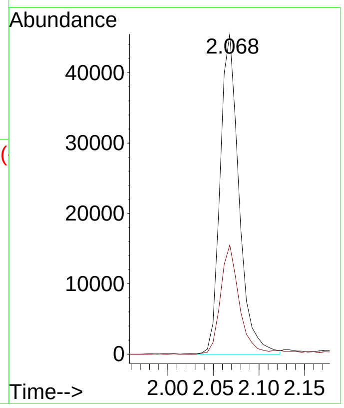
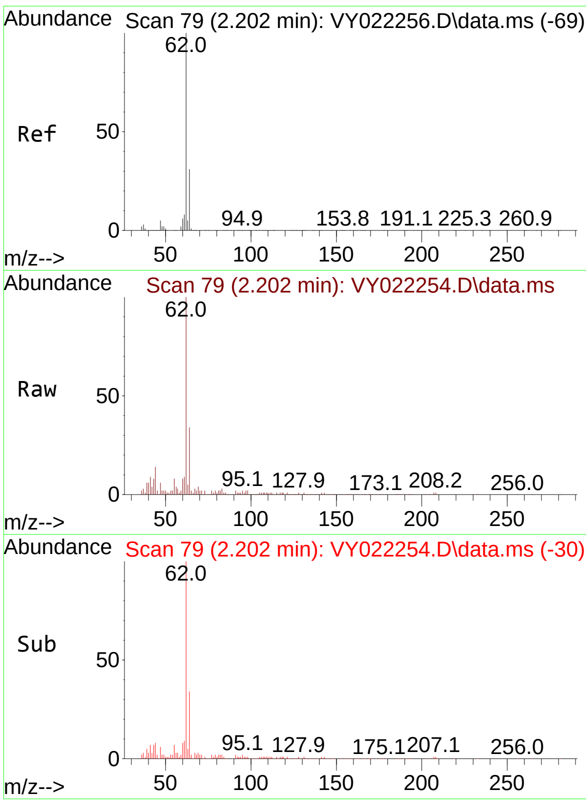
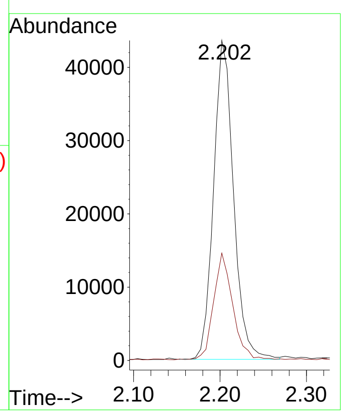




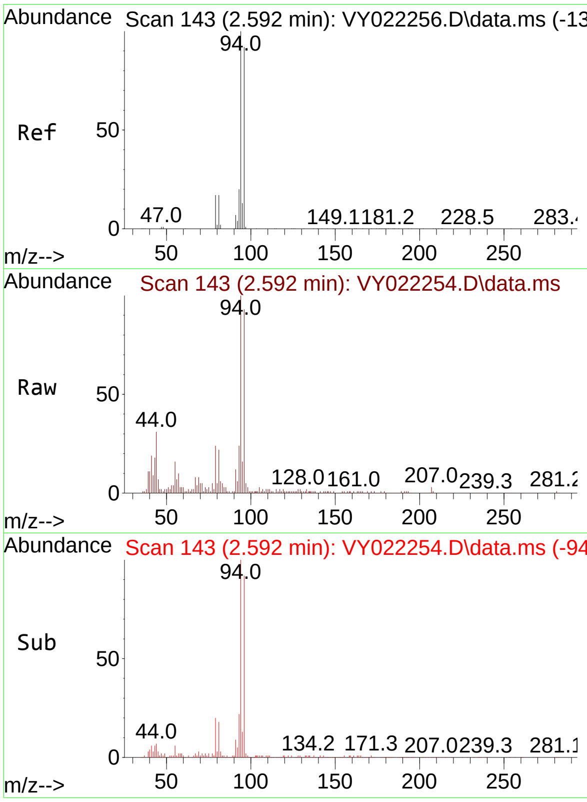
#4
Vinyl Chloride
Concen: 10.739 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 69800

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.5	36.7



ICAL Form



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 5477

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.4	110.0

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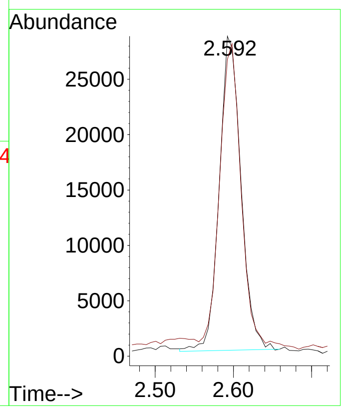
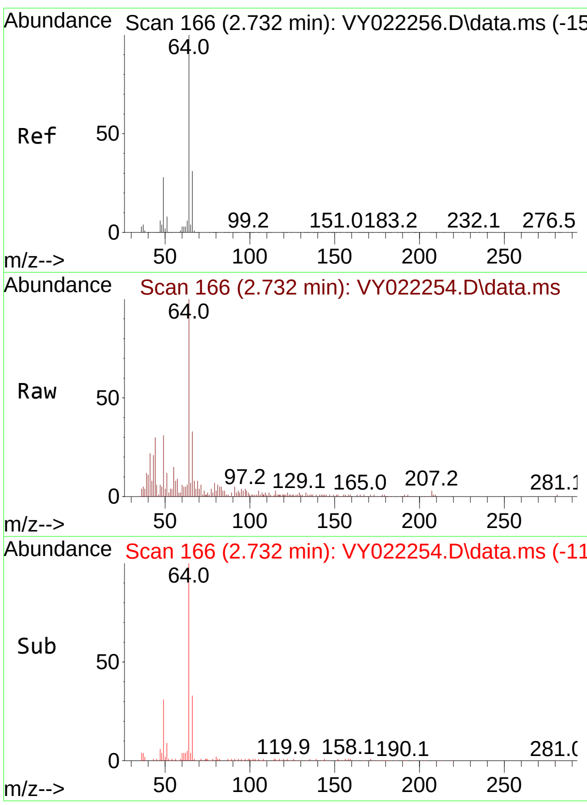
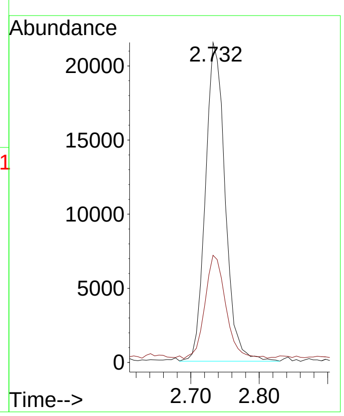




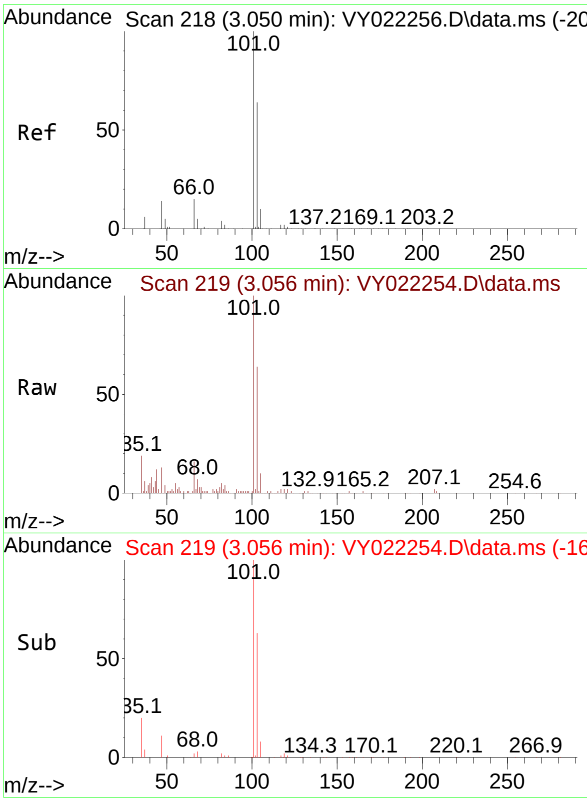
#6
Chloroethane
Concen: 10.665 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 64 Resp: 43122

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.8	37.2



ICAL Form



#7
Trichlorofluoromethane
Concen: 10.410 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 6850

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5

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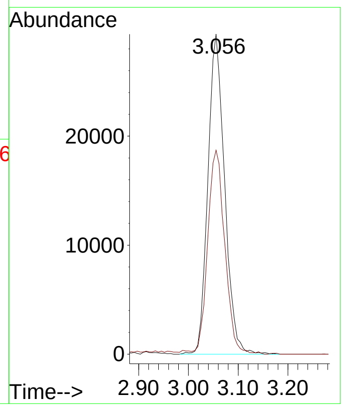
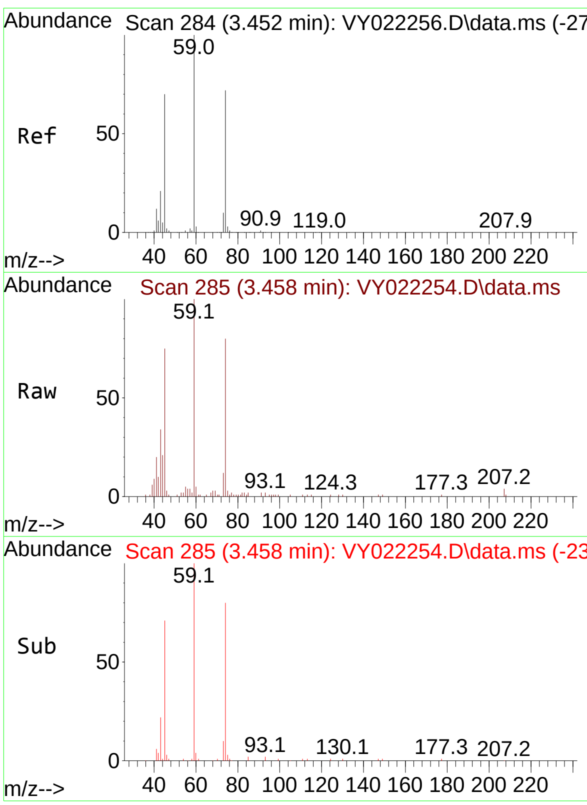
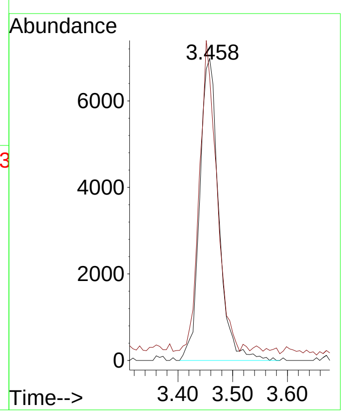


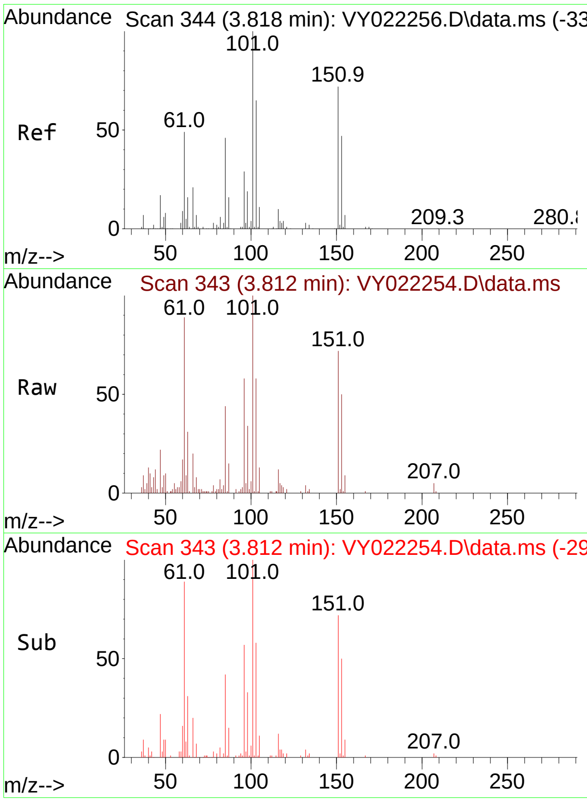


#8
Diethyl Ether
Concen: 10.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 74 Resp: 16945

Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.6	145.8





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

Instrument : MSVOA_Y
ClientSampleId : VSTDICC010

Tgt Ion:101 Resp: 30591

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

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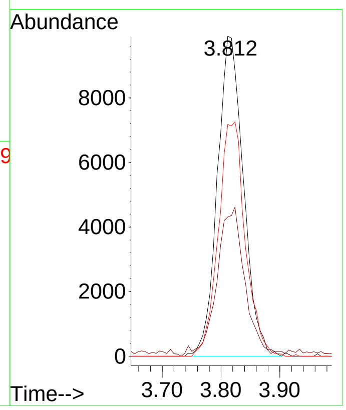
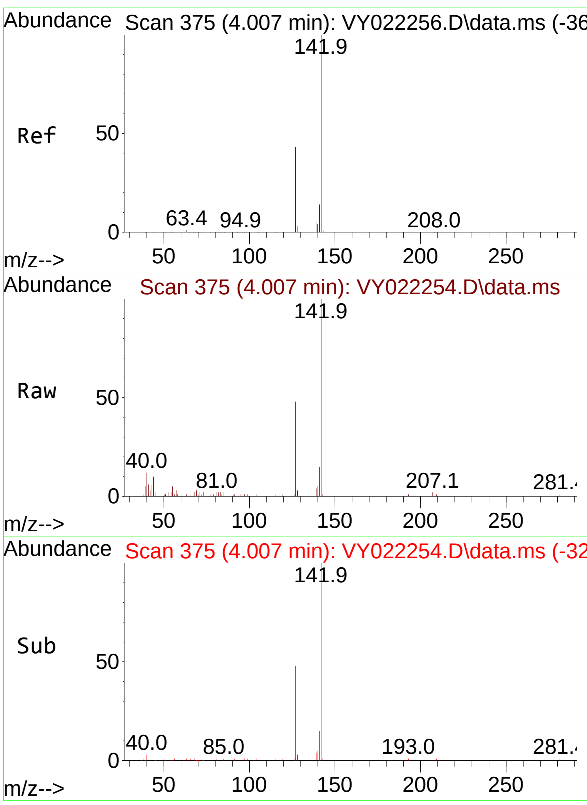
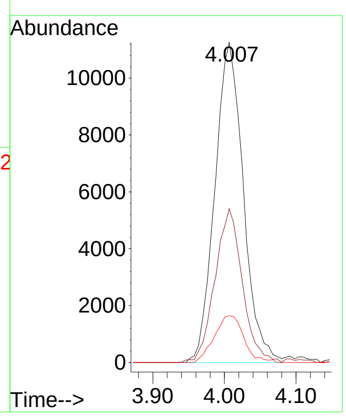




#10
Methyl Iodide
Concen: 9.402 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:142 Resp: 31088

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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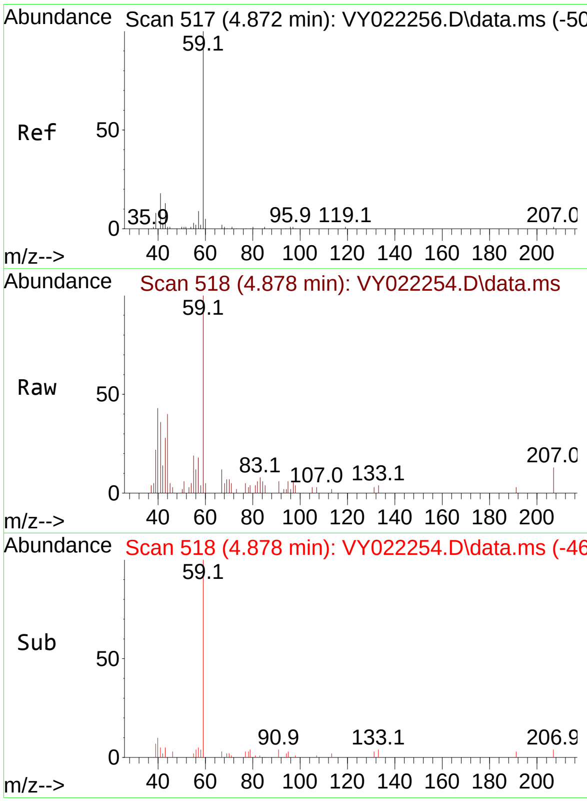
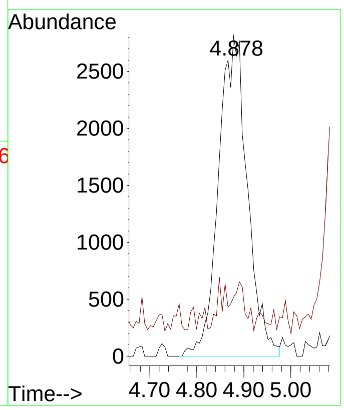
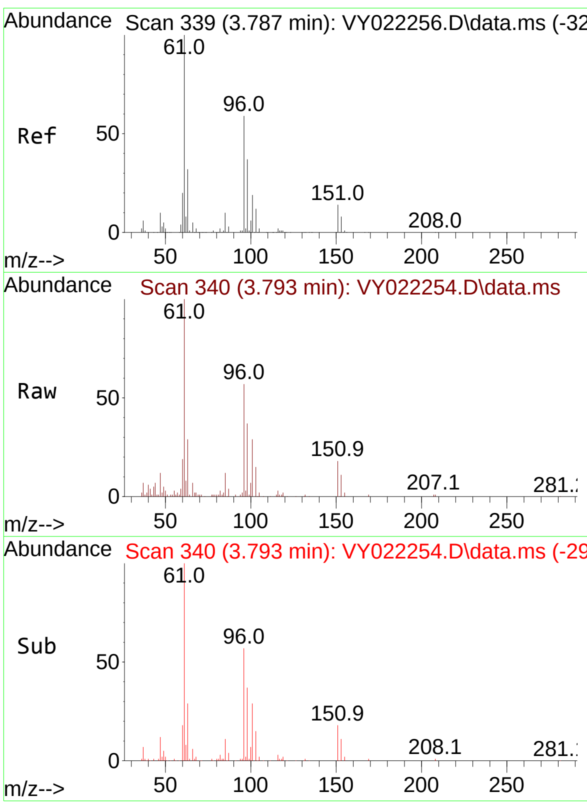


#11
Tert butyl alcohol
Concen: 54.446 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 59 Resp: 1204

Ion	Ratio	Lower	Upper
59	100		
57	5.7	0.0	0.0

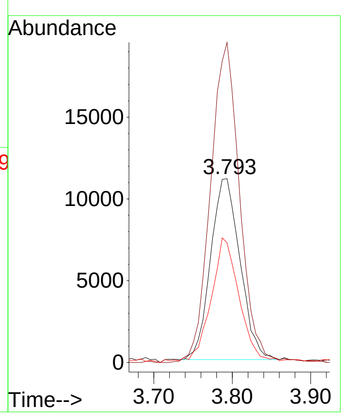




#12
1,1-Dichloroethene
Concen: 10.170 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 28831

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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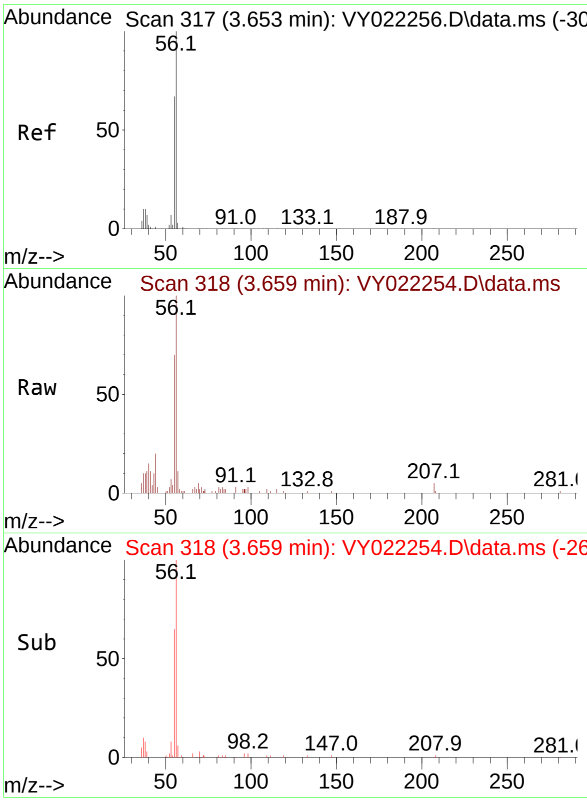
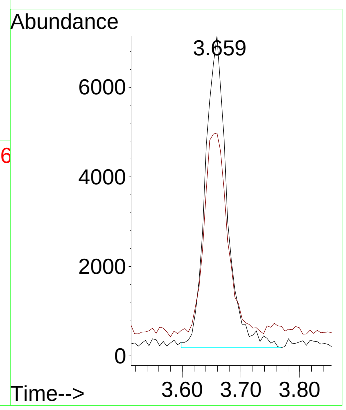
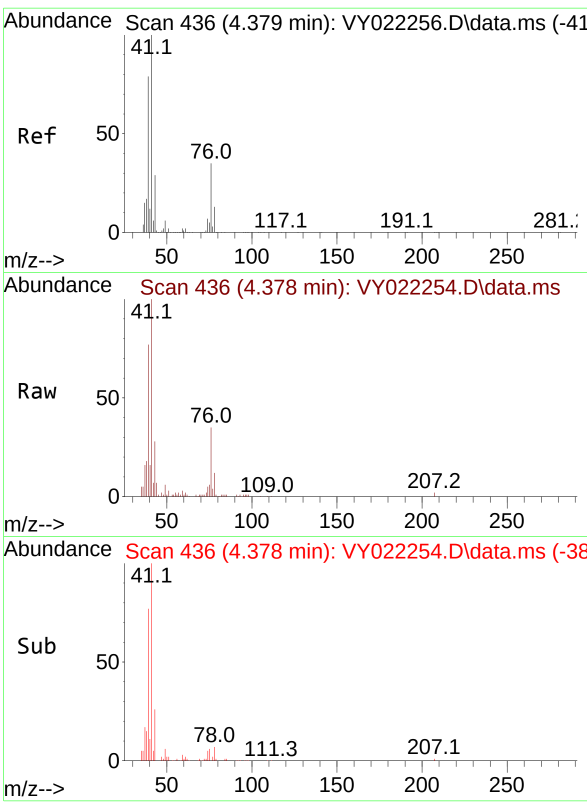


#13
Acrolein
Concen: 55.439 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 1792

Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.6	83.4

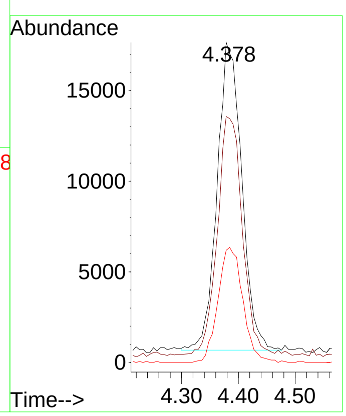




#14
Allyl chloride
Concen: 10.315 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 51275

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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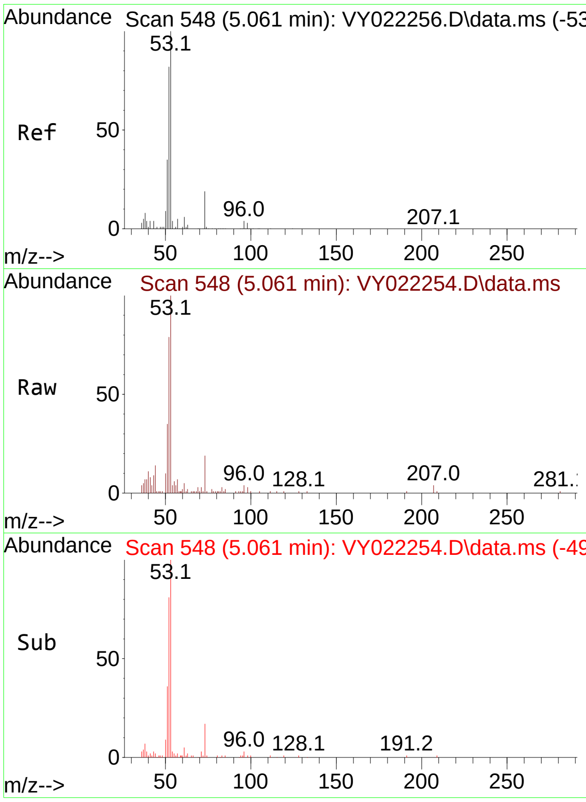
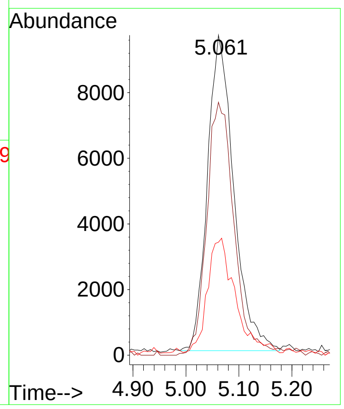
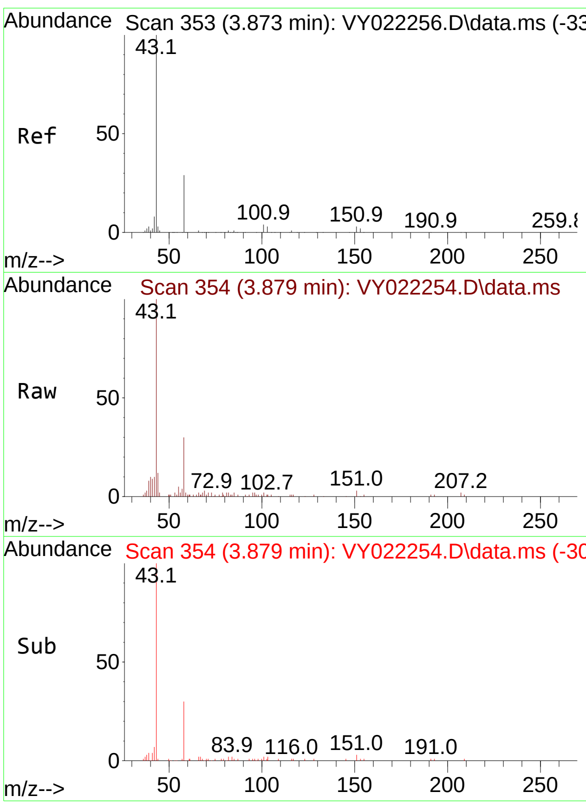



```
#15
Acrylonitrile
Concen:    51.139 ug/l
RT:    5.061 min   Scan# 54
Delta R.T.   -0.000 min
Lab File:    VY022254.D
Acq: 15 May 2025   10:16

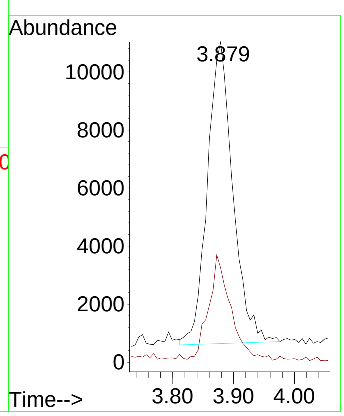
Tgt Ion: 53 Resp:    3327
Ion   Ratio   Lower   Upper
 53   100
 52    82.7    66.1    99.1
 51    38.2    30.0    45.0
```

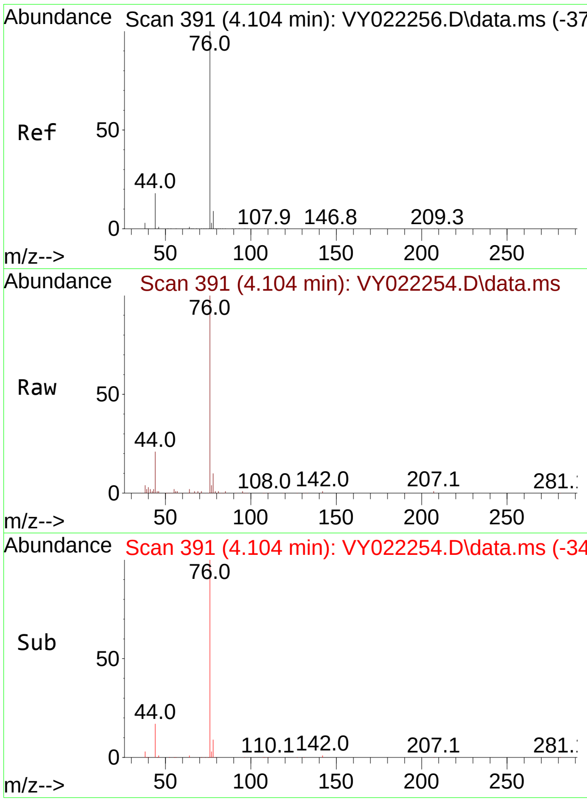





```
#16
Acetone
Concen:    55.657 ug/l
RT:    3.879 min   Scan# 354
Delta R.T.   0.006 min
Lab File:    VY022254.D
Acq: 15 May 2025   10:16

Tgt Ion: 43 Resp:    30229
Ion   Ratio   Lower   Upper
 43   100
 58    29.5    23.6    35.4
```





#17
Carbon Disulfide
Concen: 10.448 ug/l
RT: 4.104 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument : MSVOA_Y
ClientSampleId : VSTDICC010

Tgt Ion: 76 Resp: 96591

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

Manual Integrations APPROVED

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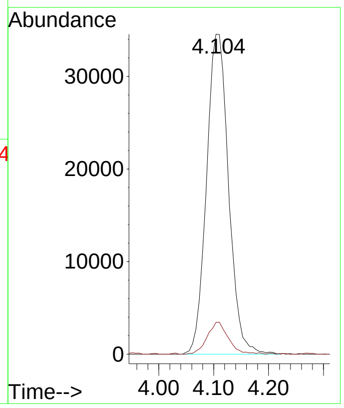
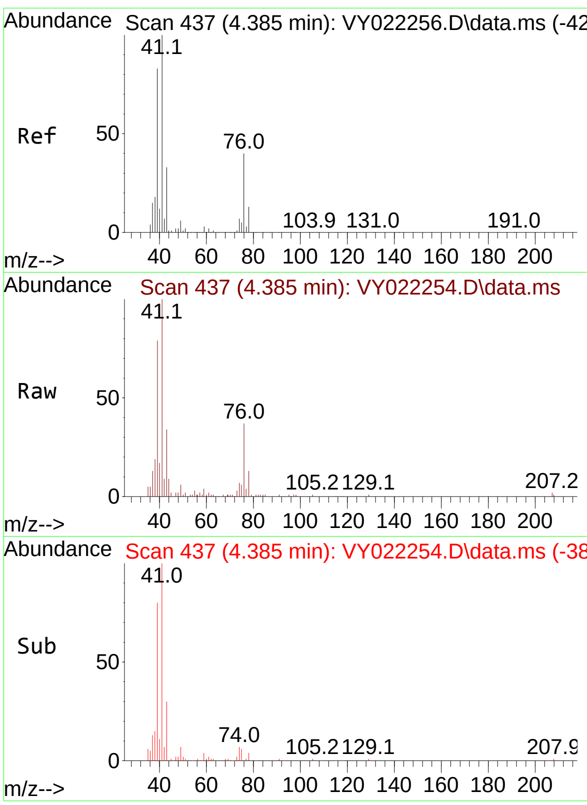
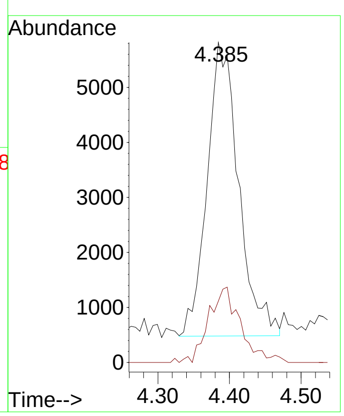




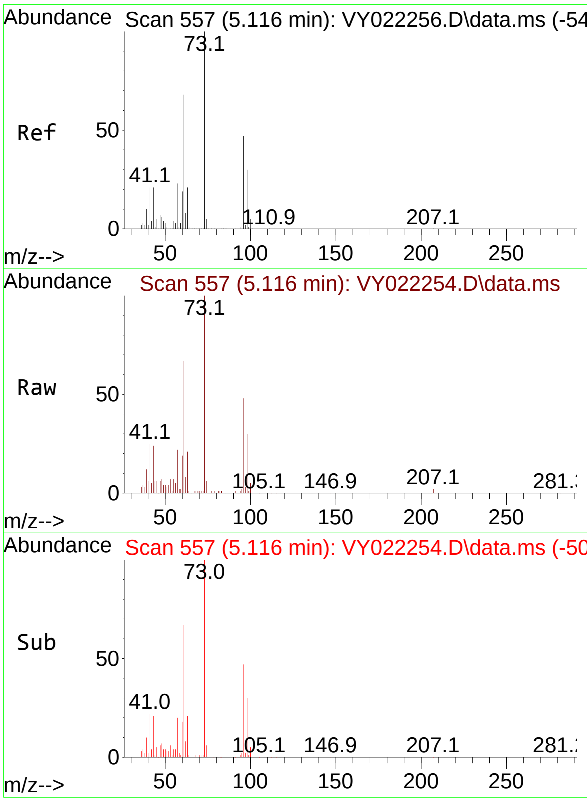
#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 16338

Ion	Ratio	Lower	Upper
43	100		
74	25.6	18.2	27.4



ICAL Form



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

Tgt Ion: 73 Resp: 8071

Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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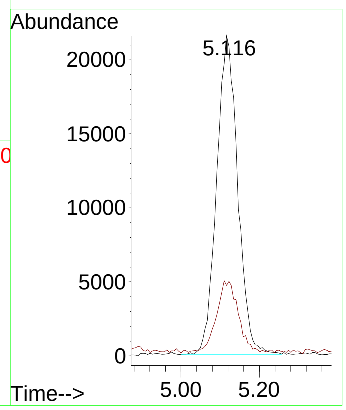
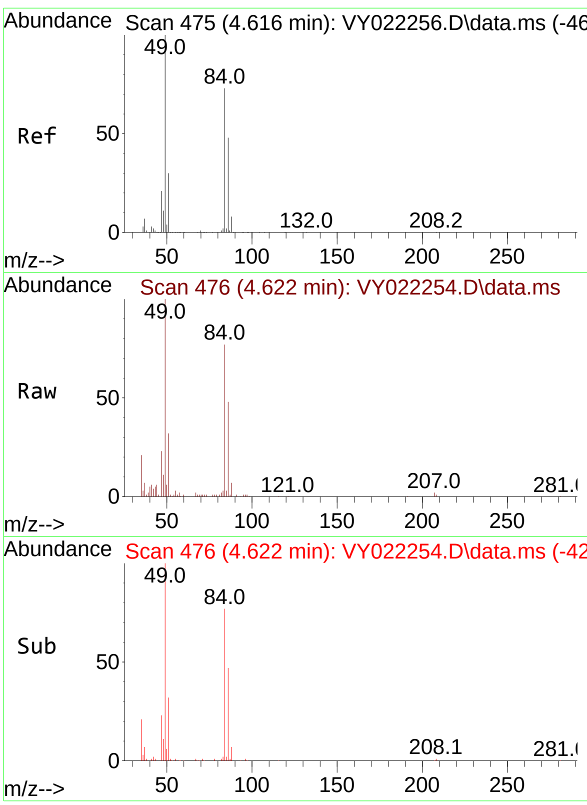
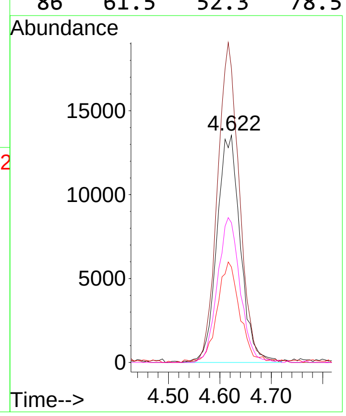




#20
Methylene Chloride
Concen: 12.250 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 84 Resp: 42991

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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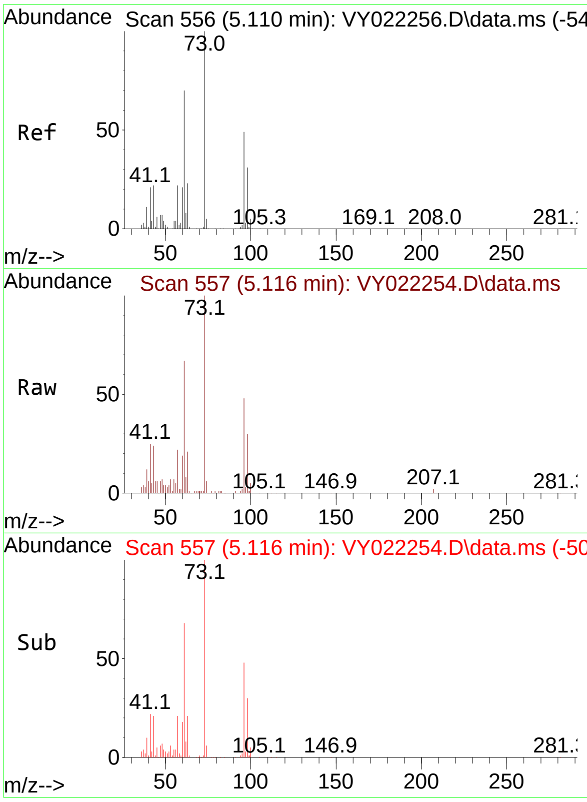
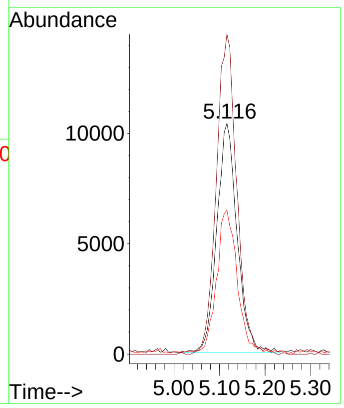
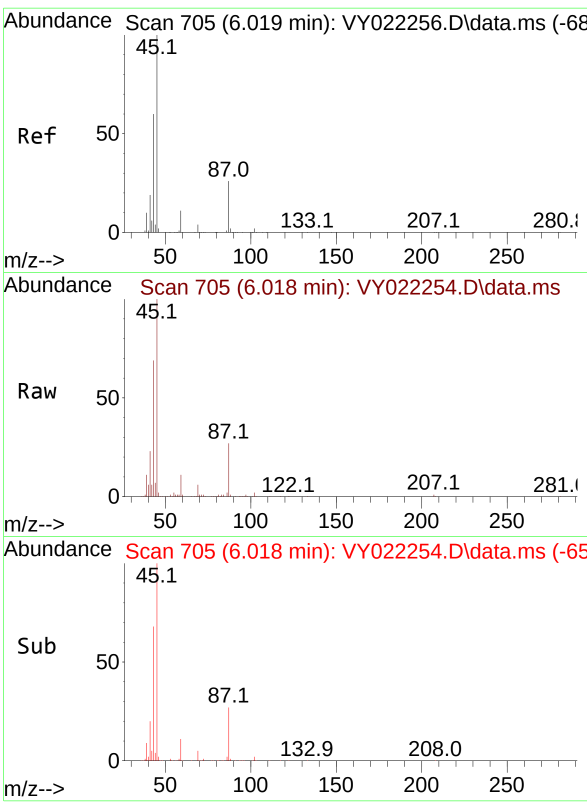
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




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

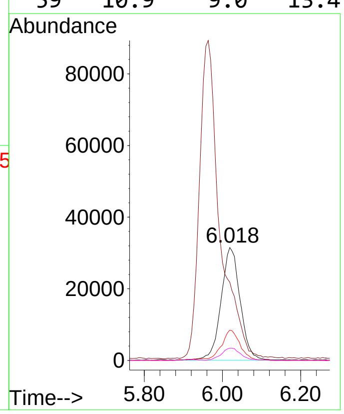
Tgt Ion: 96 Resp:   3225
Ion   Ratio   Lower   Upper
 96   100
 61   139.6   113.4   170.0
 98    62.0    50.9    76.3
```






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

Tgt Ion: 45 Resp:   106493
Ion   Ratio   Lower   Upper
 45   100
 43    67.7    48.2    72.2
 87    26.8    21.4    32.0
 59    10.9     9.0    13.4
```



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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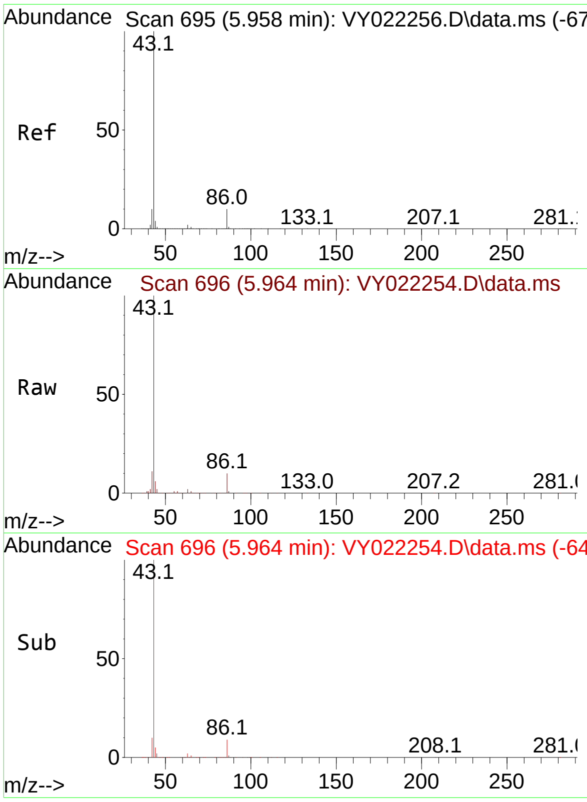
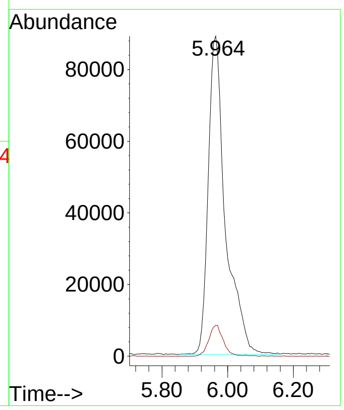
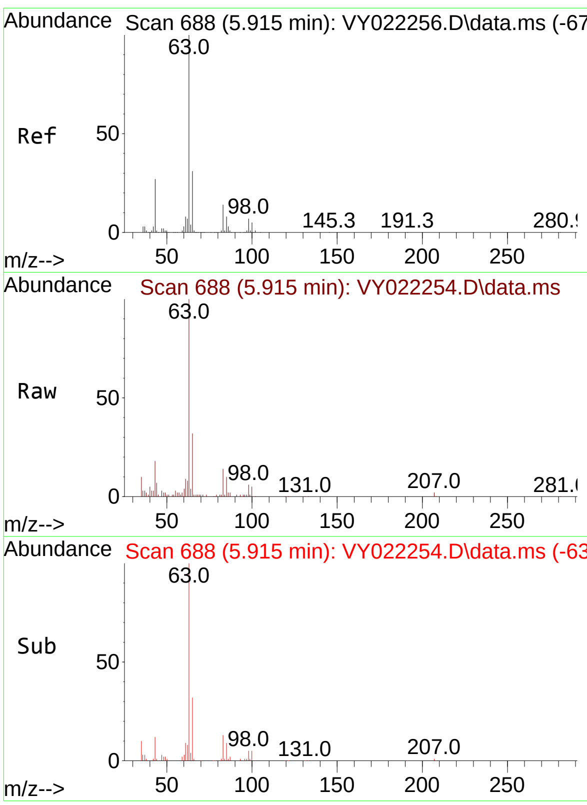


#23
Vinyl Acetate
Concen: 51.192 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 32465

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

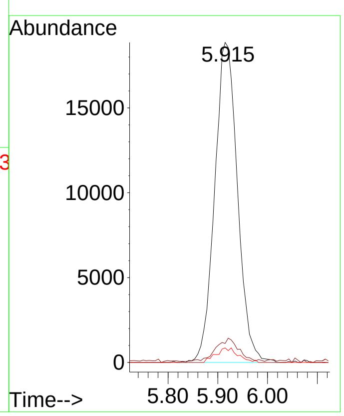




#24
1,1-Dichloroethane
Concen: 10.265 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 60198

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



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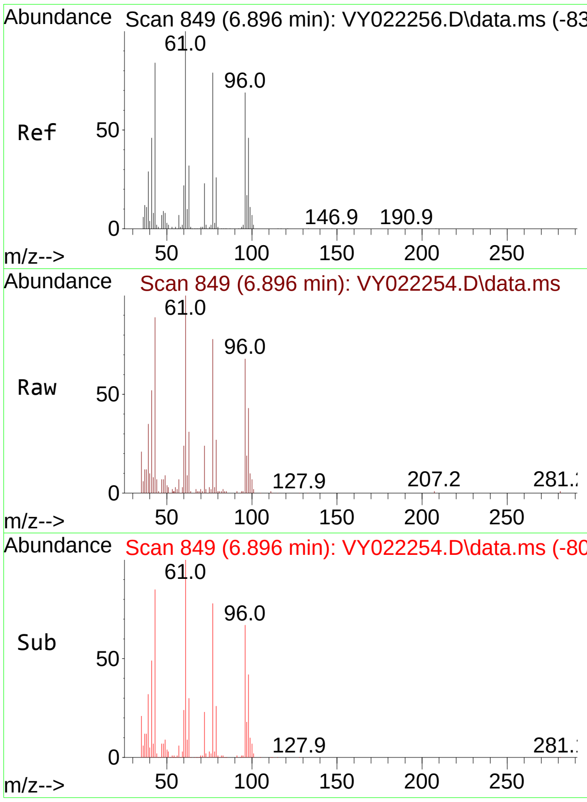

#25
2-Butanone
Concen: 52.859 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 4802

Ion	Ratio	Lower	Upper
43	100		
72	26.7	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Mahesh Dadoda 05/16/2025
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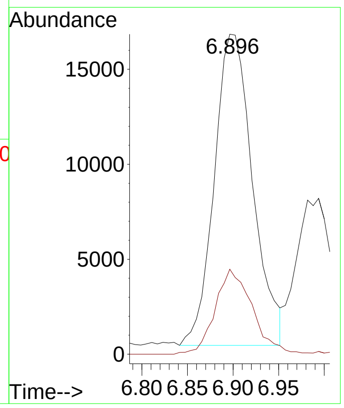
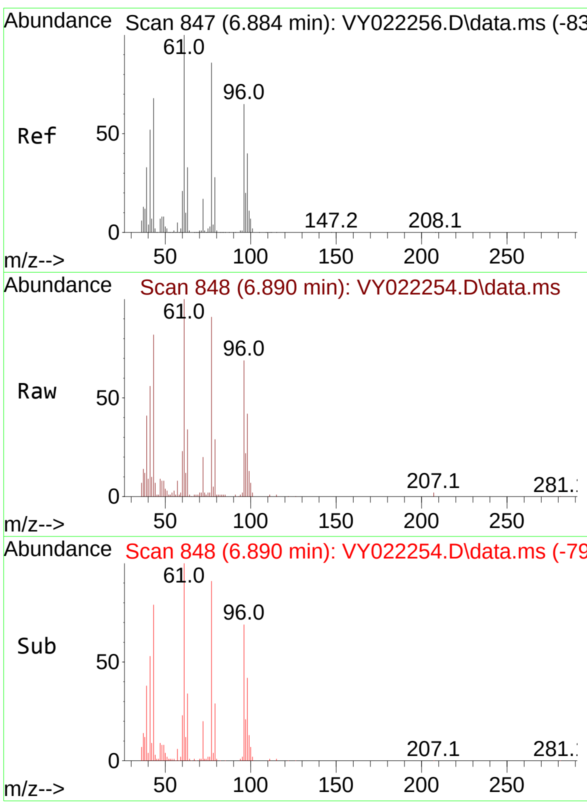
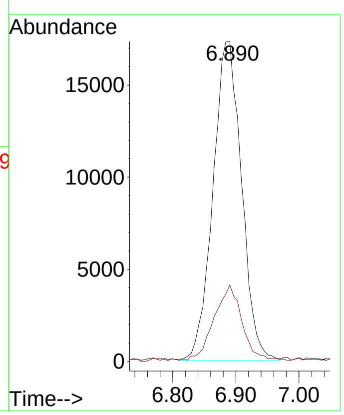




#26
2,2-Dichloropropane
Concen: 10.403 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 77 Resp: 54264

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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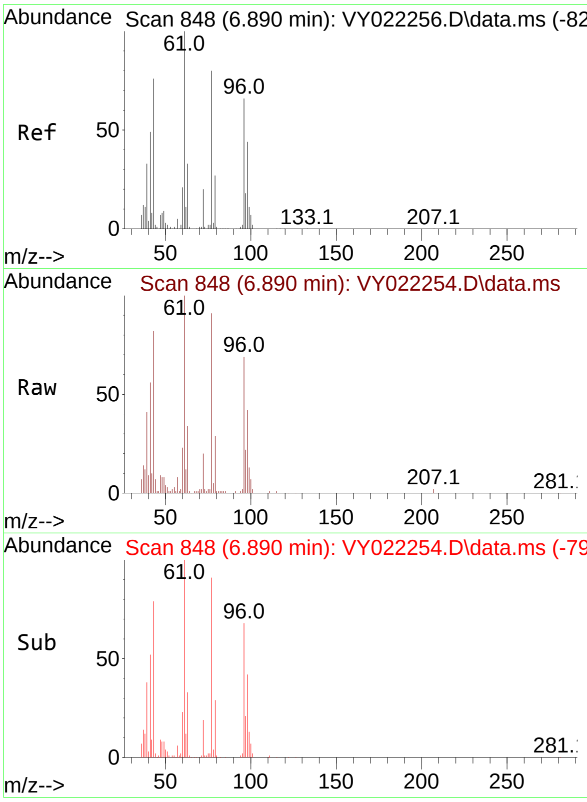
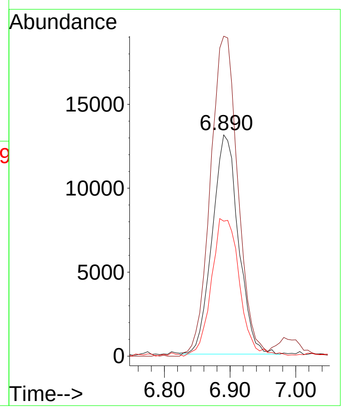
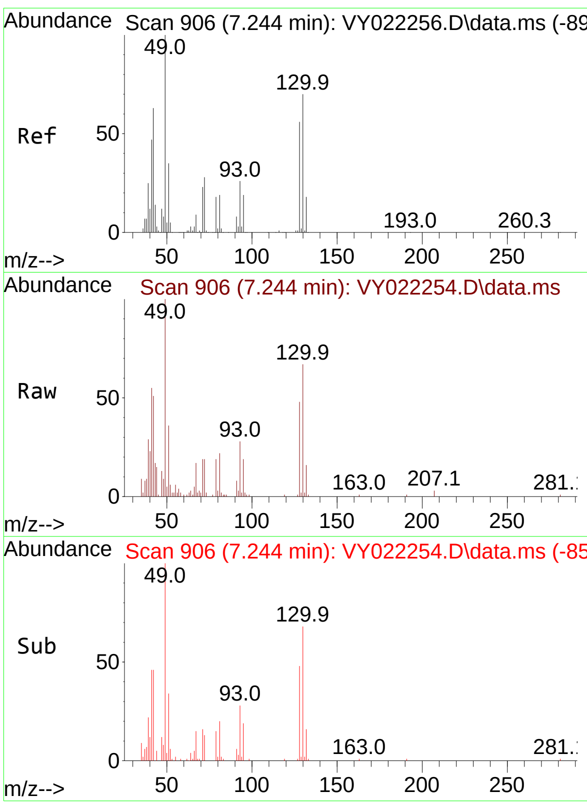



```
#27
cis-1,2-Dichloroethene
Concen:   10.081 ug/l
RT:   6.890 min   Scan# 84
Delta R.T.   -0.000 min
Lab File:    VY022254.D
Acq: 15 May 2025  10:16

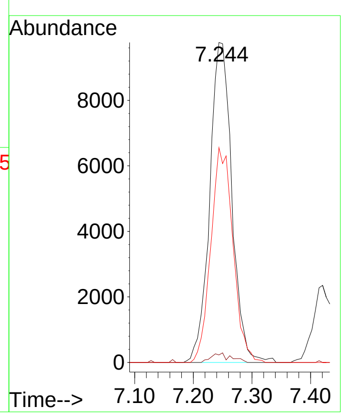
Tgt Ion: 96 Resp:   3640
Ion  Ratio  Lower  Upper
 96  100
 61  152.8    0.0  302.6
 98   67.2    0.0  128.8
```

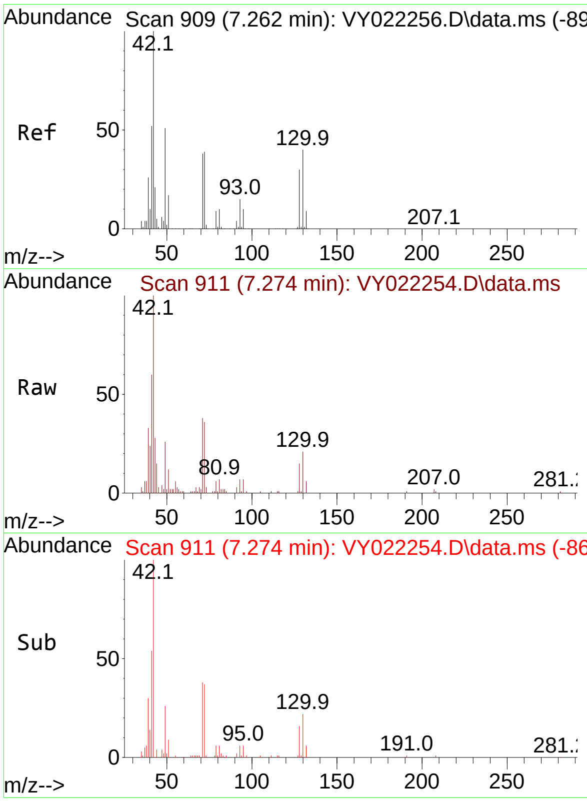





```
#28
Bromochloromethane
Concen:   10.259 ug/l
RT:   7.244 min   Scan# 906
Delta R.T.   -0.000 min
Lab File:    VY022254.D
Acq: 15 May 2025  10:16

Tgt Ion: 49 Resp:    25664
Ion  Ratio  Lower  Upper
 49  100
129    2.6    0.0    3.6
130   67.2   54.7   82.1
```





#29
Tetrahydrofuran
Concen: 52.498 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 42 Resp: 3068

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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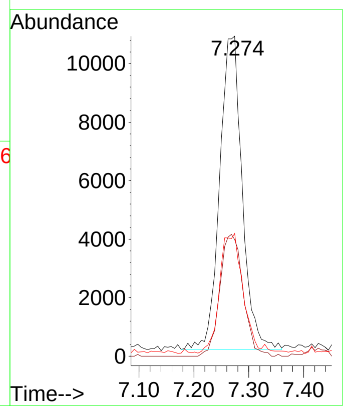
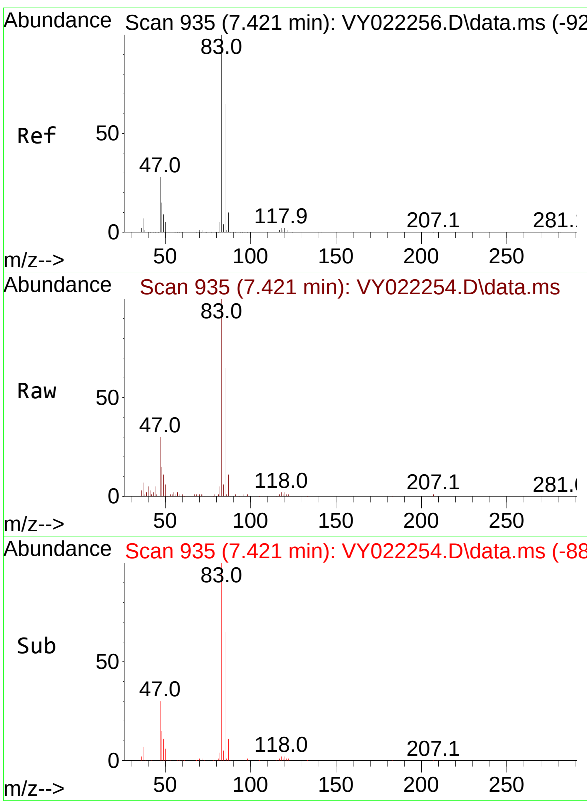
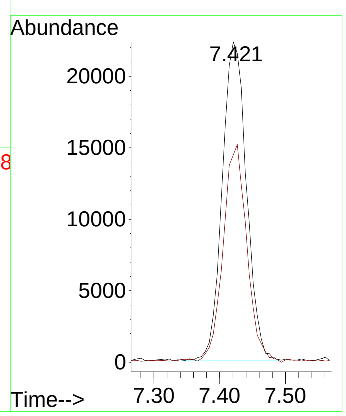




#30
Chloroform
Concen: 10.163 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 57172

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8



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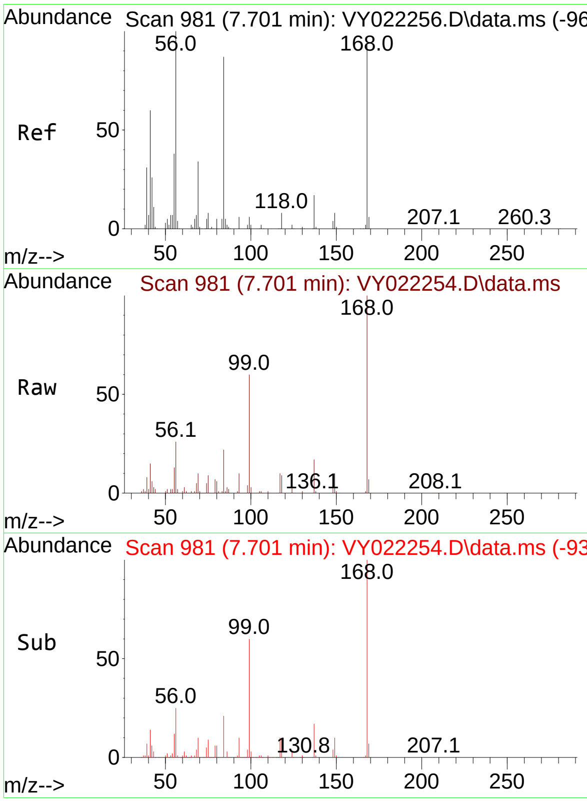

#31
Cyclohexane
Concen: 10.778 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 6315

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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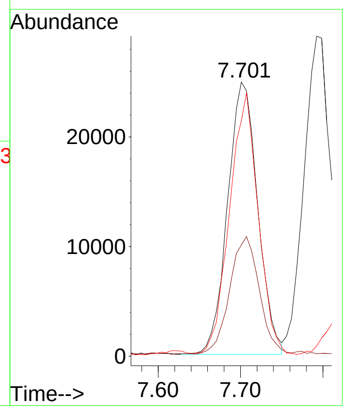
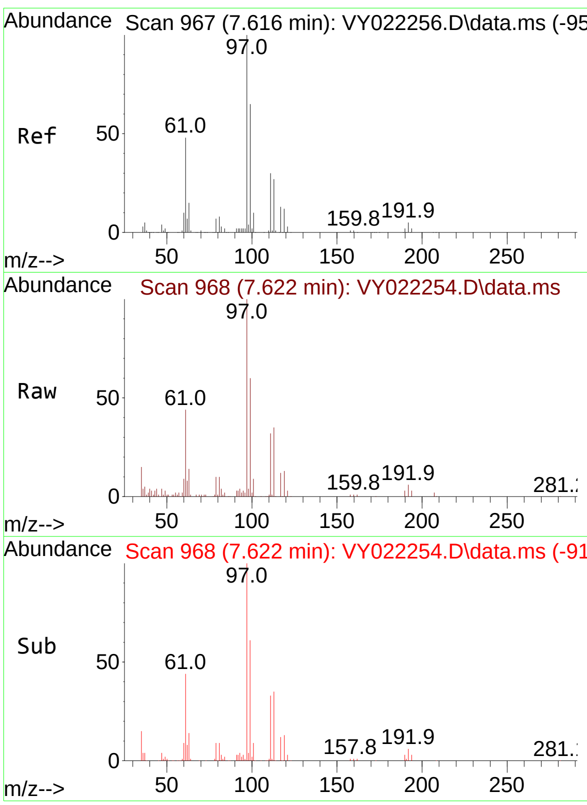
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

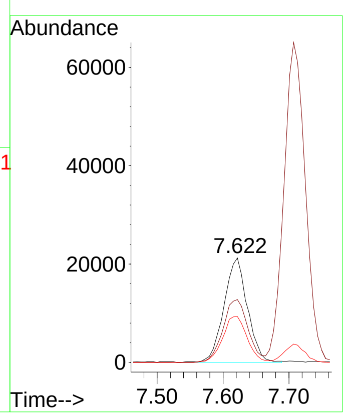




#32
1,1,1-Trichloroethane
Concen: 10.242 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 52856

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



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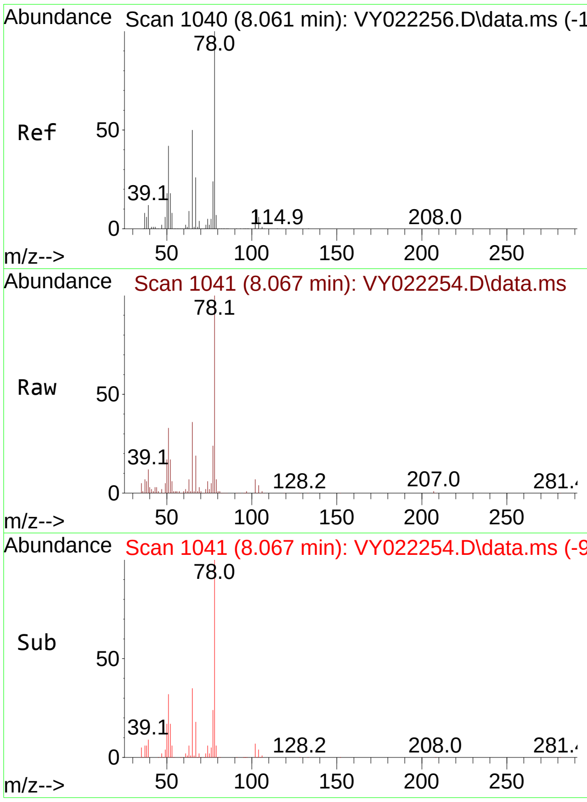

#33
1,2-Dichloroethane-d4
Concen: 10.222 ug/l
RT: 8.067 min   Scan# 10
Delta R.T.   0.006 min
Lab File: VY022254.D
Acq: 15 May 2025   10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 2960

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.6

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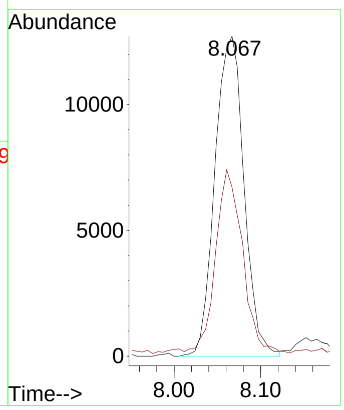
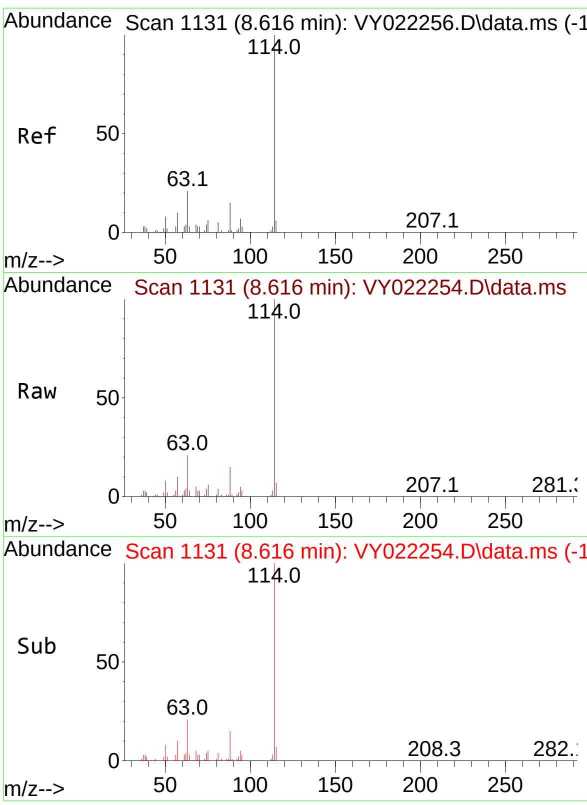
Reviewed By :Mahesh Dadoda   05/16/2025
Supervised By :Semsettin Yesilyurt   05/16/2025

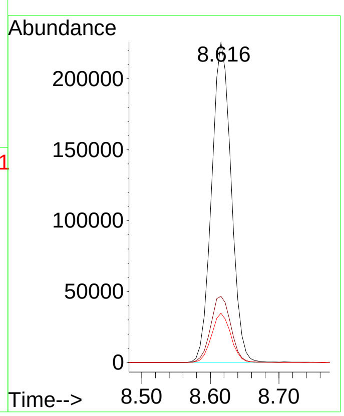




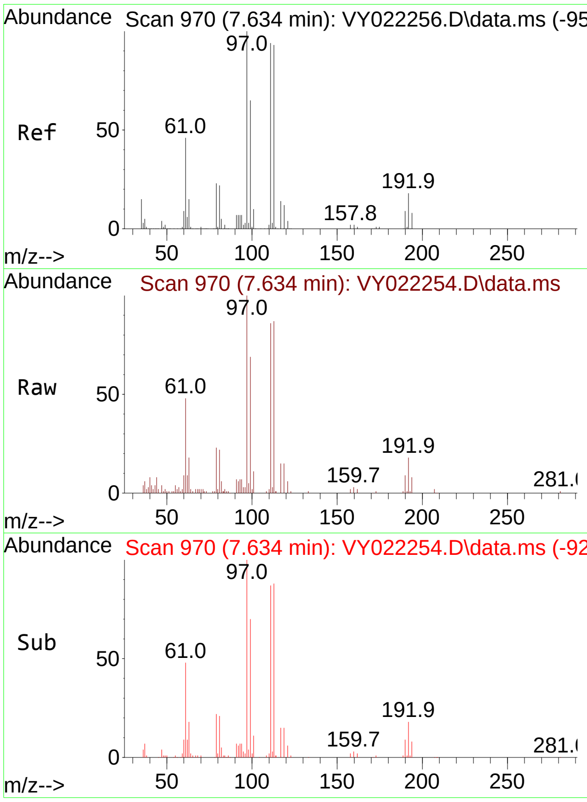
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min   Scan# 1131
Delta R.T.   -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025   10:16

Tgt Ion:114 Resp: 446109

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



ICAL Form



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

Tgt Ion:113 Resp: 2624

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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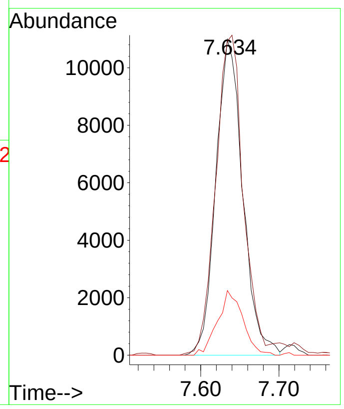
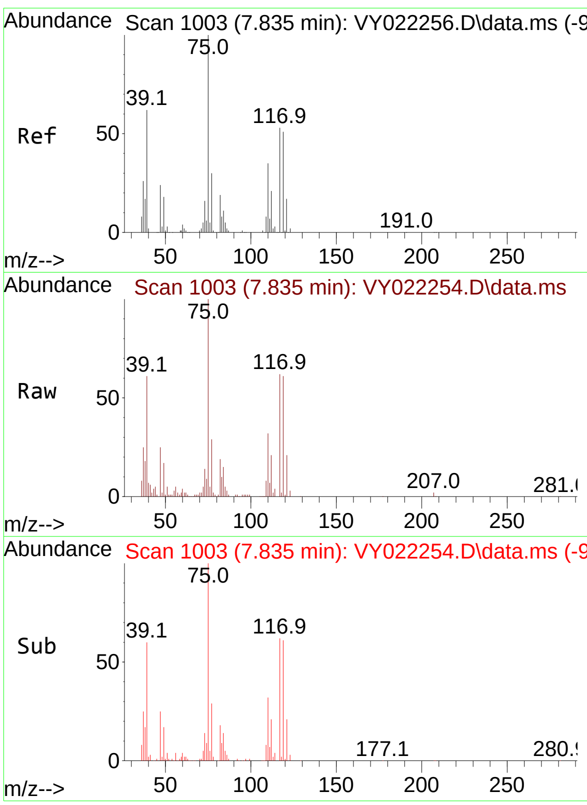
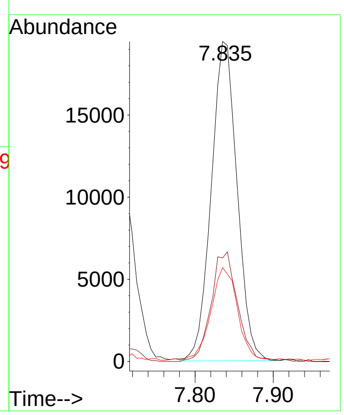




#36
1,1-Dichloropropene
Concen: 10.219 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 44817

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



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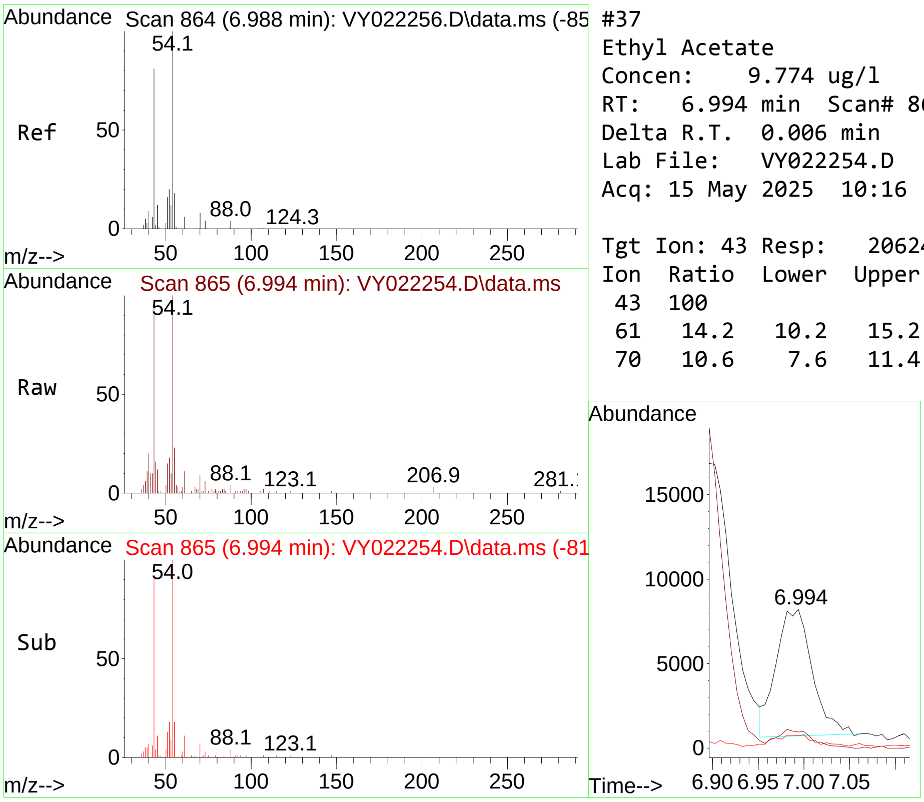

#37
Ethyl Acetate
Concen: 9.774 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 2062

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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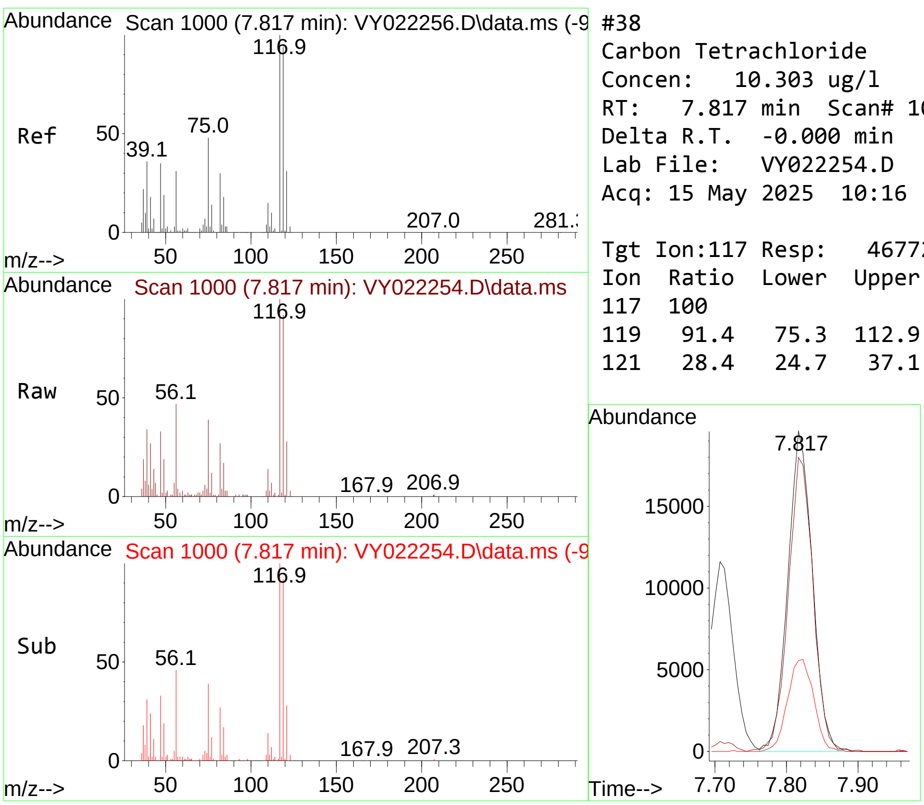
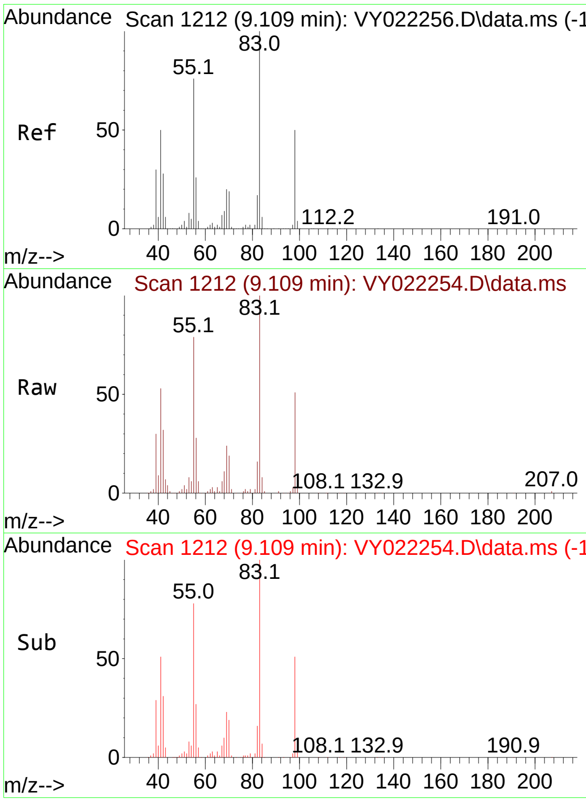


#38
Carbon Tetrachloride
Concen: 10.303 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 46772

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



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 6048

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

Manual Integrations
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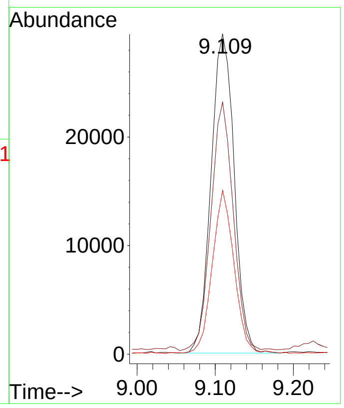
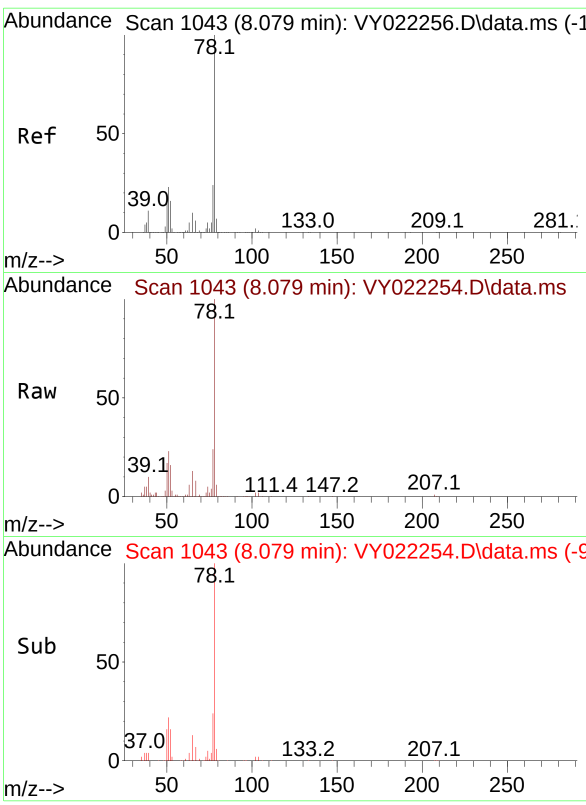
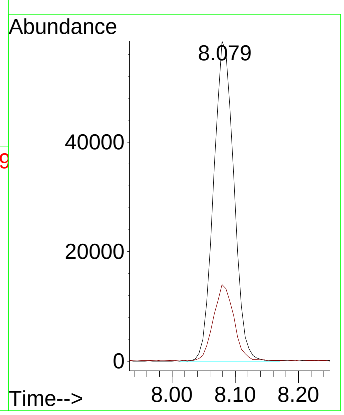




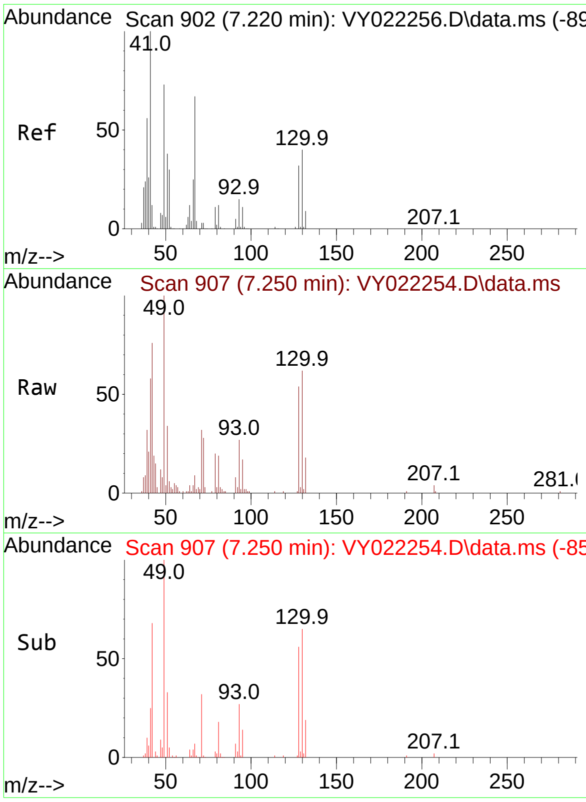
#40
Benzene
Concen: 10.032 ug/l
RT: 8.079 min   Scan# 1043
Delta R.T.   -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025   10:16

Tgt Ion: 78 Resp: 130423

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3



ICAL Form



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

Tgt Ion: 41 Resp: 1622(

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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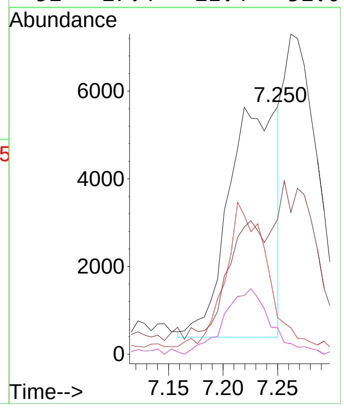
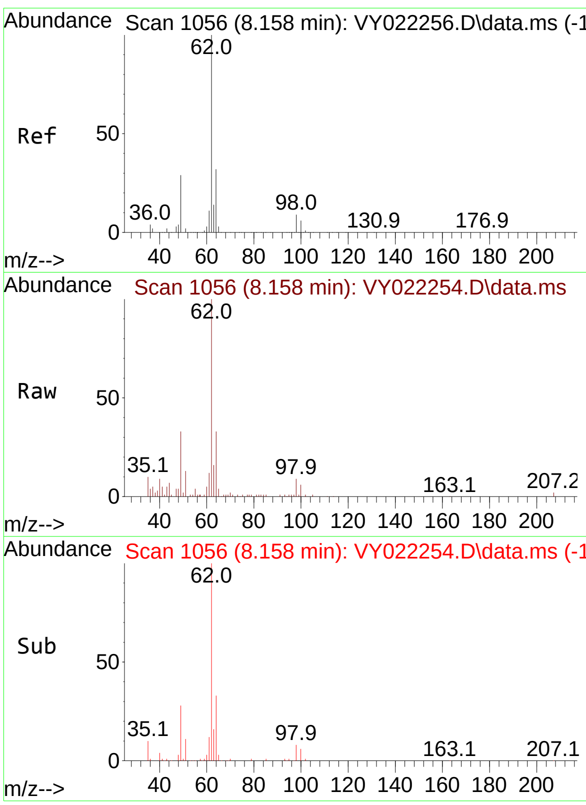
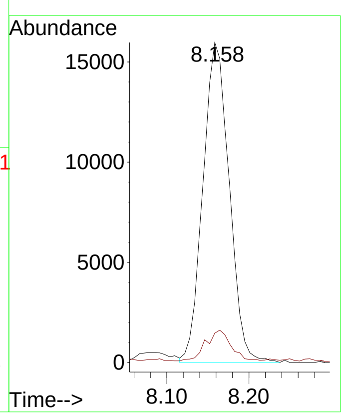




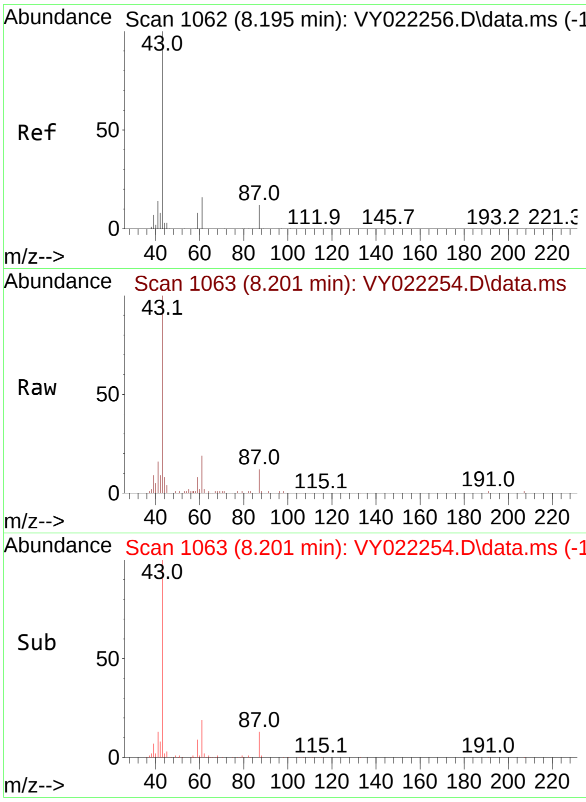
#42
1,2-Dichloroethane
Concen: 10.115 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 35565

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



ICAL Form



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

Tgt Ion: 43 Resp: 4702

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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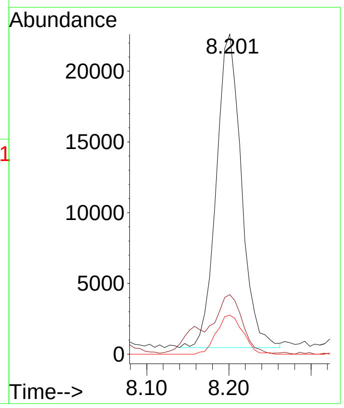
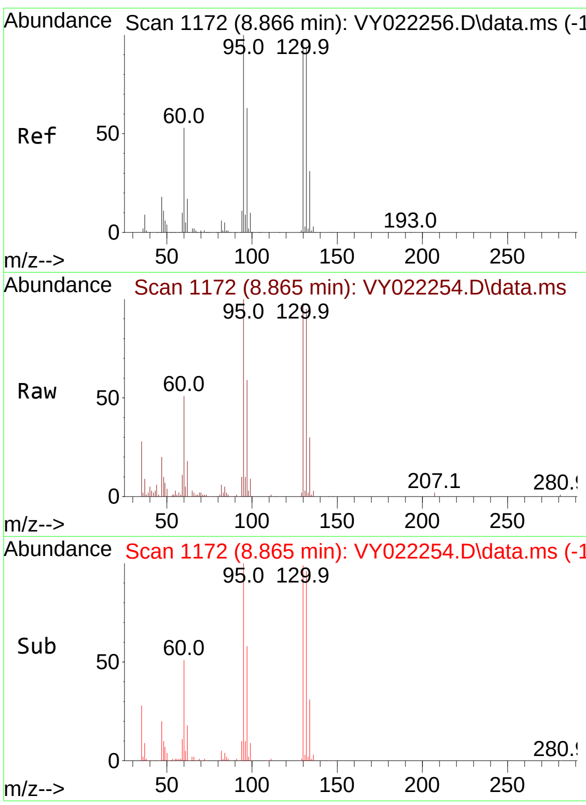
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

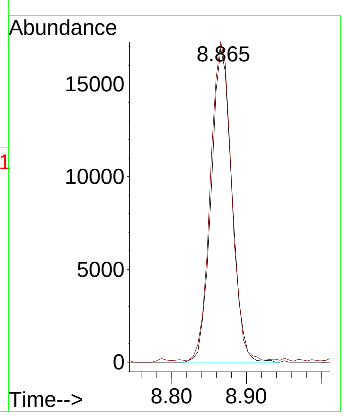




#44
Trichloroethene
Concen: 10.101 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:130 Resp: 32655

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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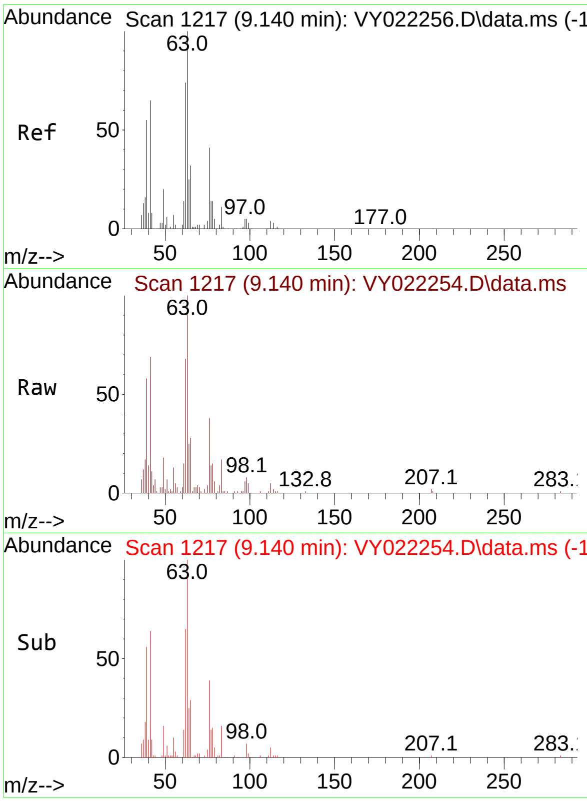
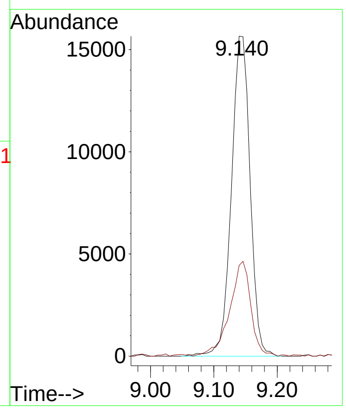
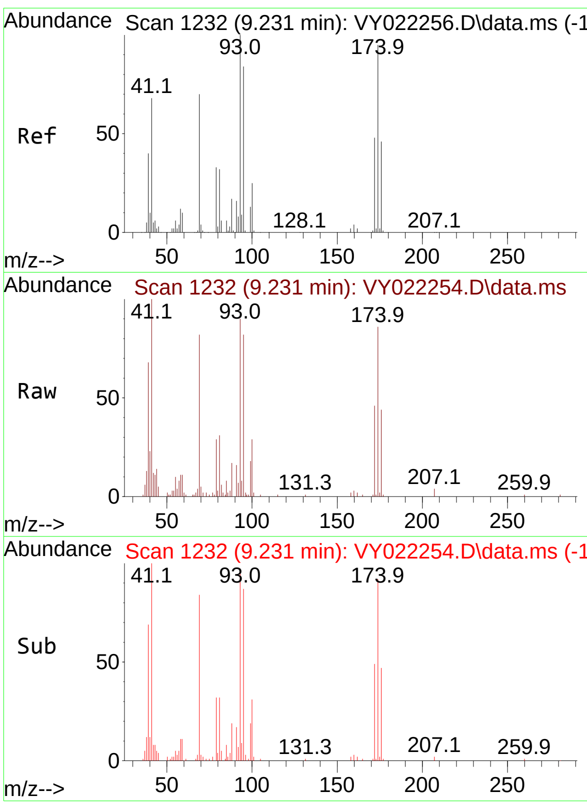


#45
1,2-Dichloropropane
Concen: 10.264 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 3217

Ion	Ratio	Lower	Upper
63	100		
65	28.0	25.7	38.5

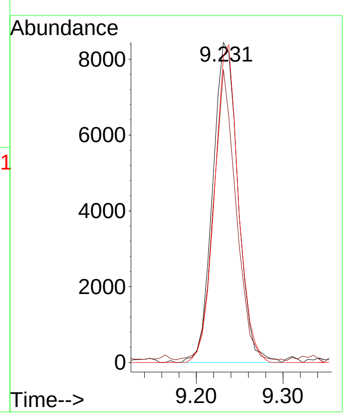




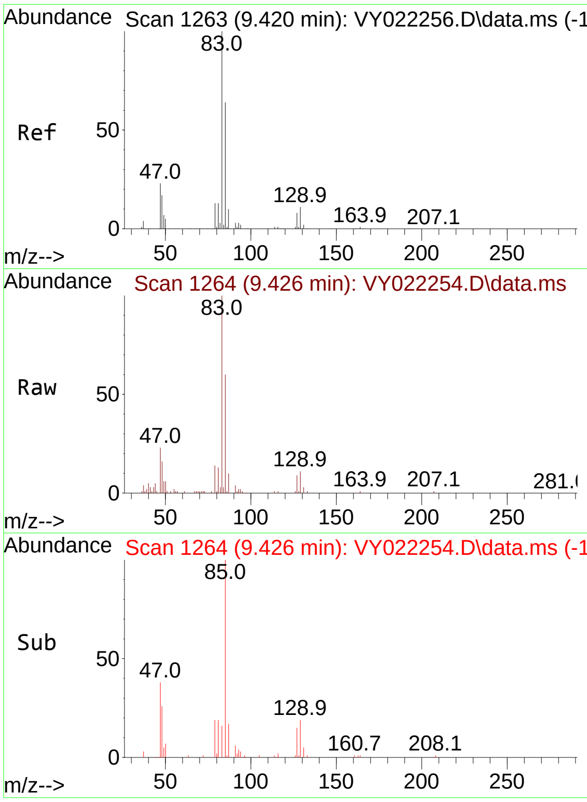
#46
Dibromomethane
Concen: 10.135 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 93 Resp: 17134

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



ICAL Form



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

Tgt Ion: 83 Resp: 4404

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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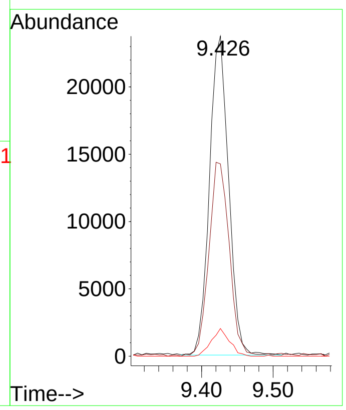
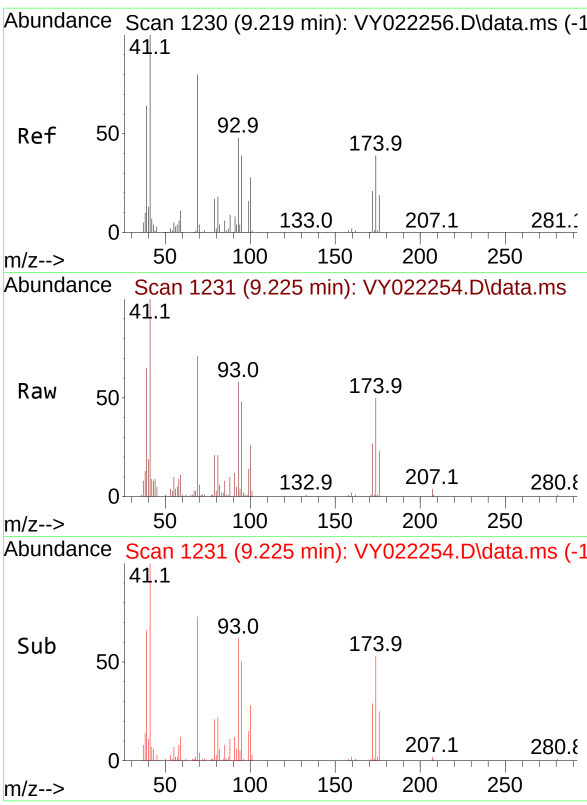
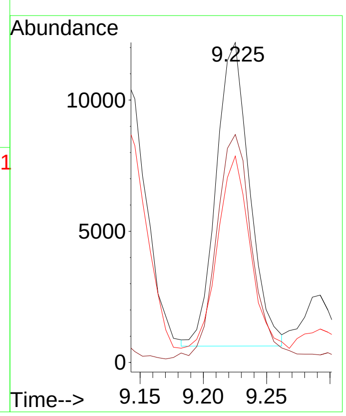


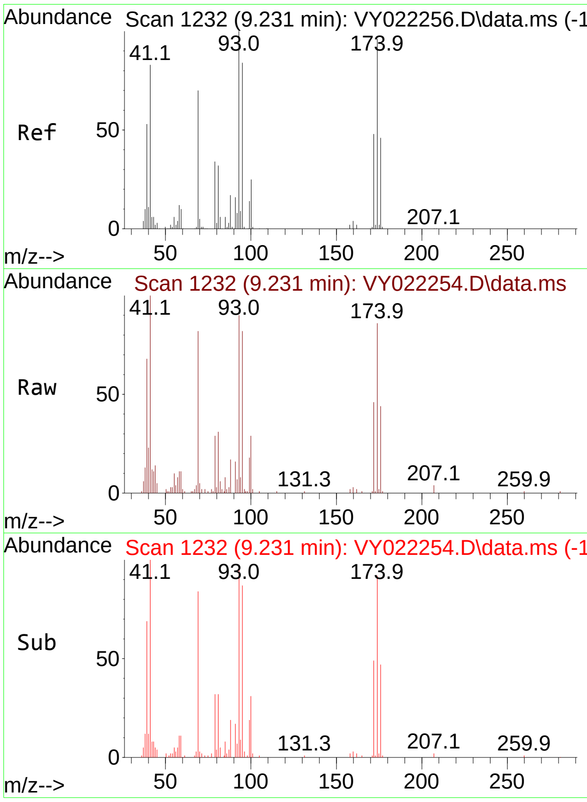


#48
Methyl methacrylate
Concen: 9.851 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 21202

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





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

Instrument : MSVOA_Y
ClientSampleId : VSTDICC010

Tgt Ion: 88 Resp: 393

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

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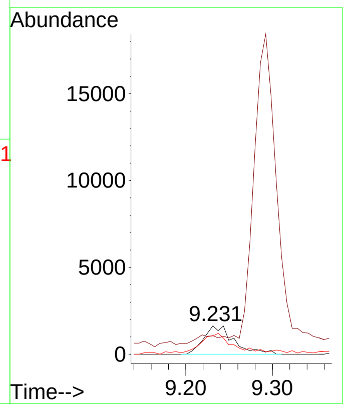
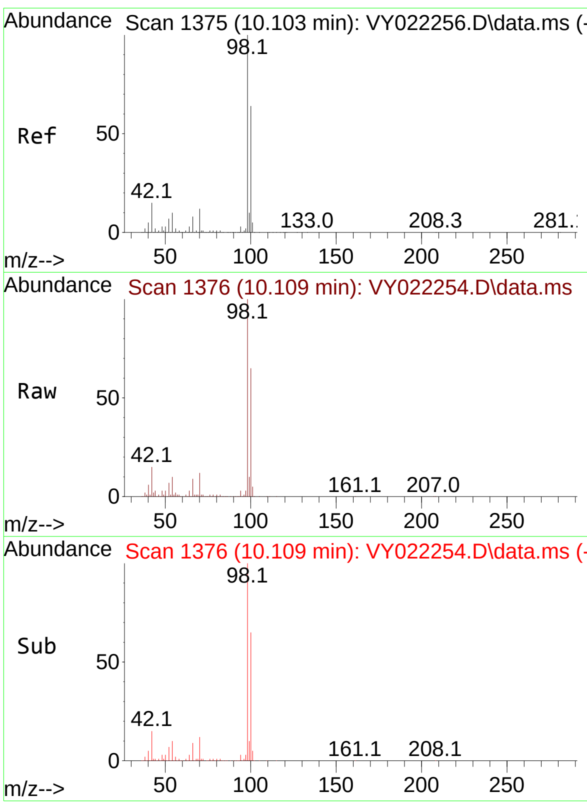
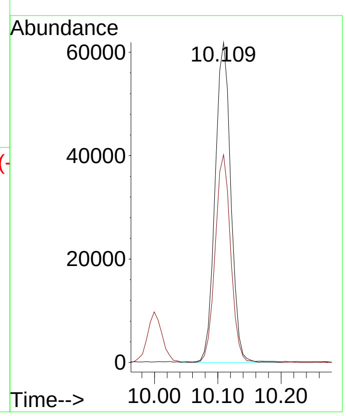




#50
Toluene-d8
Concen: 9.816 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 98 Resp: 107048

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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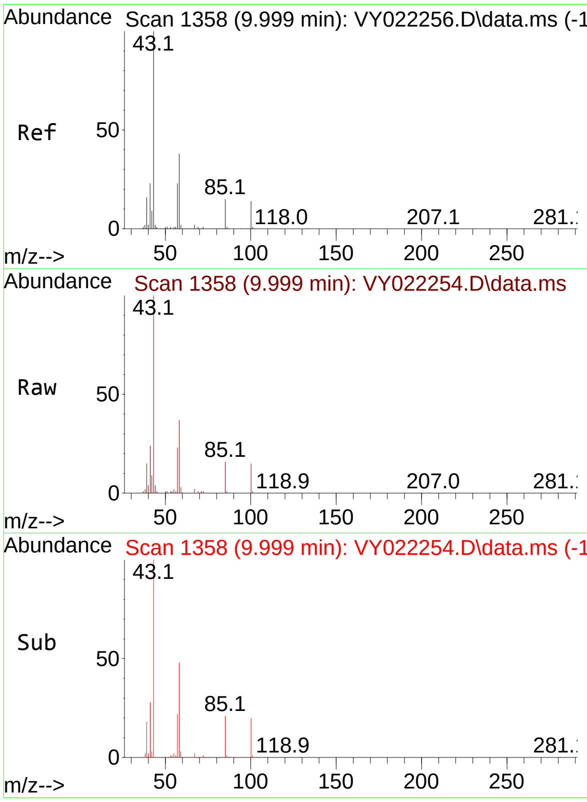
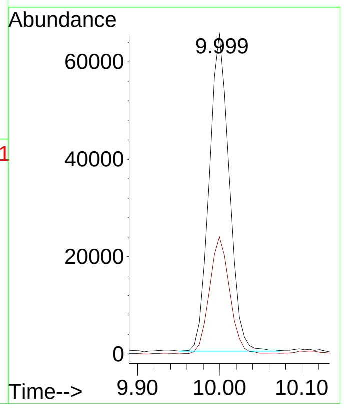
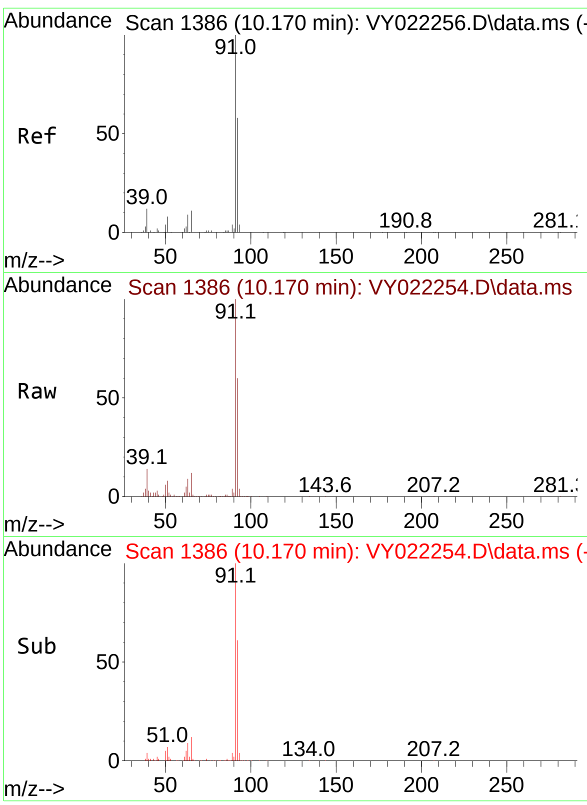


#51
4-Methyl-2-Pentanone
Concen: 48.889 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 11039

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.2

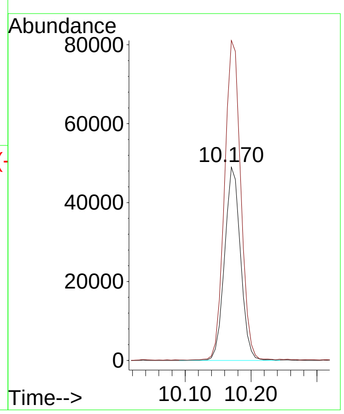


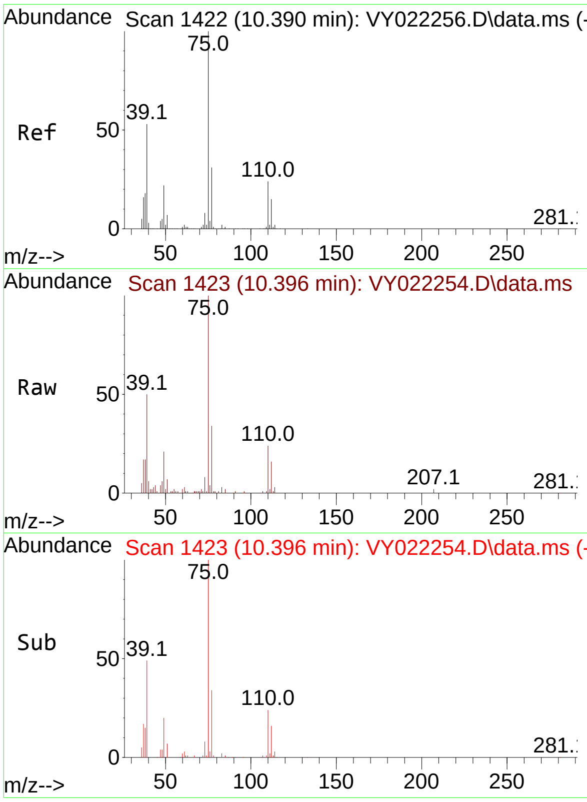


#52
Toluene
Concen: 10.015 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 92 Resp: 82453

Ion	Ratio	Lower	Upper
92	100		
91	168.8	139.1	208.7





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

Tgt Ion: 75 Resp: 4215

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.6

Instrument :
MSVOA_Y
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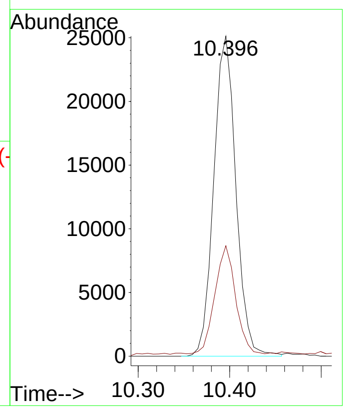
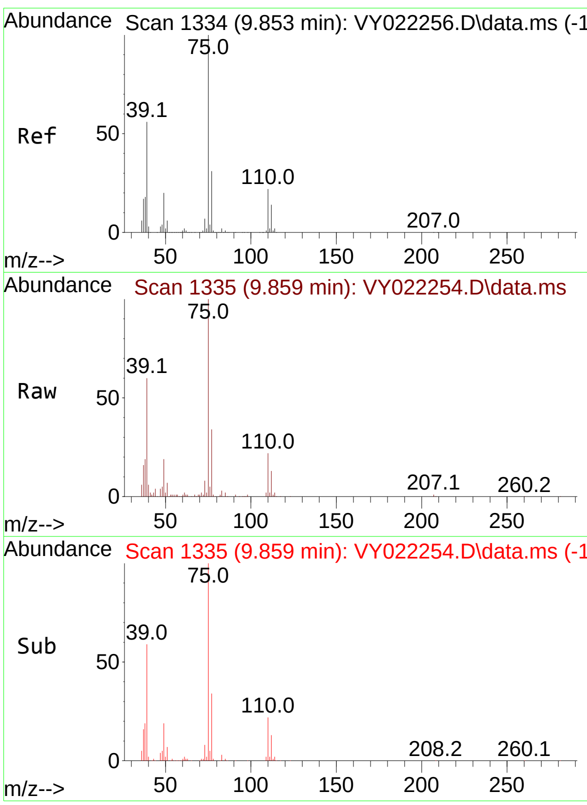
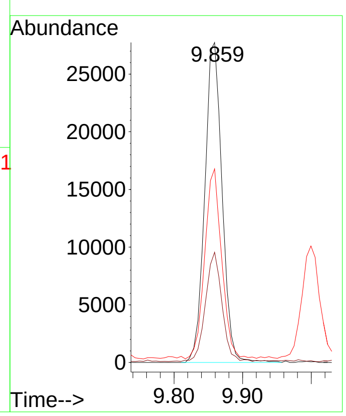


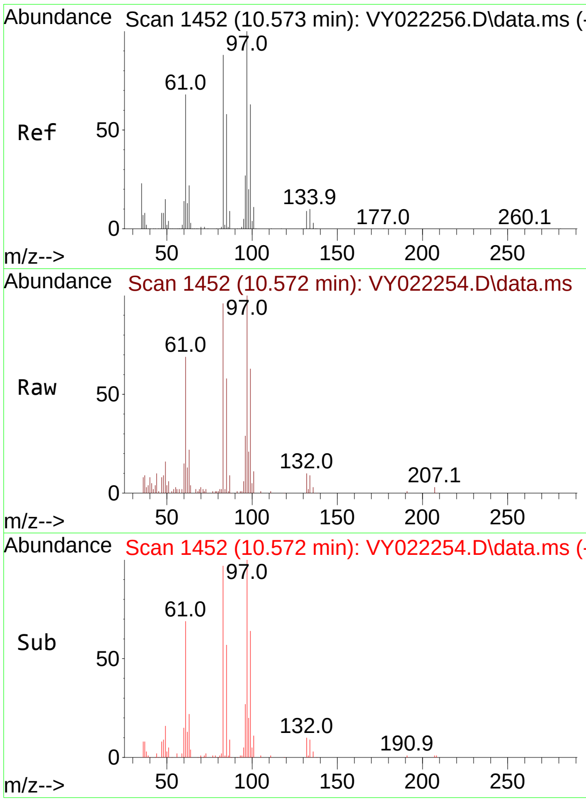


#54
cis-1,3-Dichloropropene
Concen: 9.976 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 48923

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

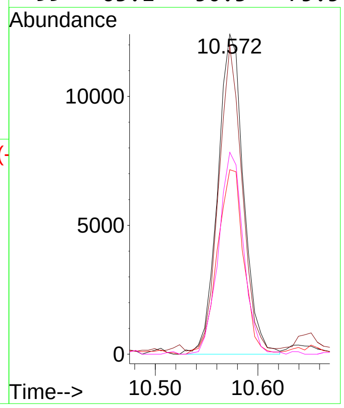




#55
1,1,2-Trichloroethane
Concen: 10.033 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 21720

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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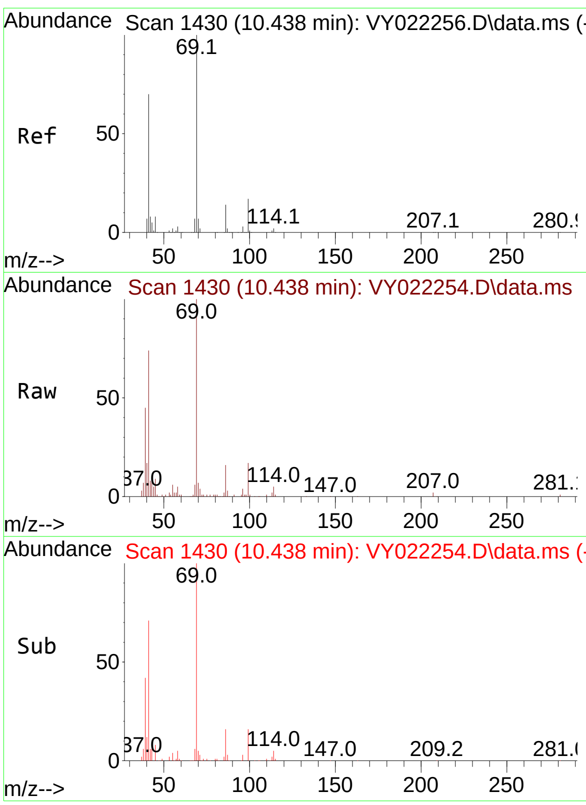
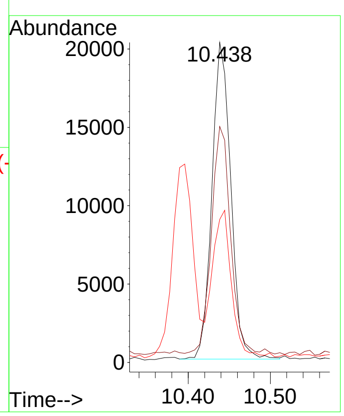


#56
Ethyl methacrylate
Concen: 9.574 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 69 Resp: 32286

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



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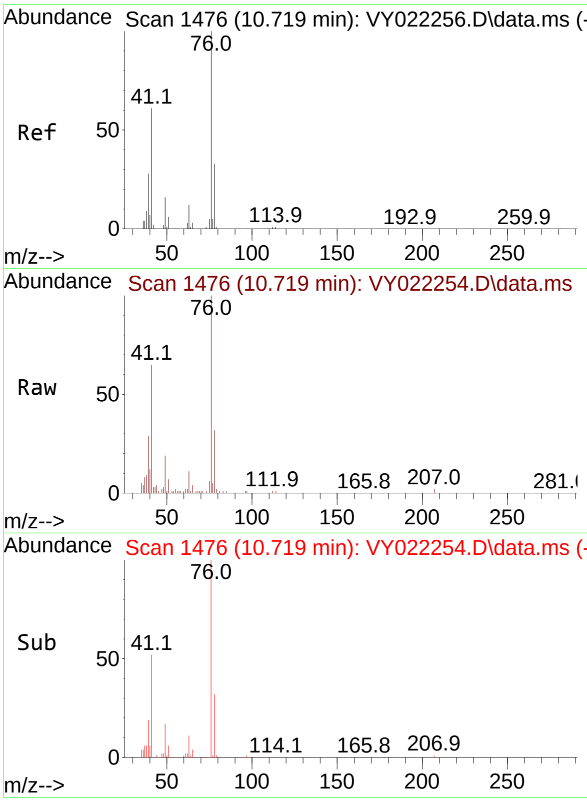

#57
1,3-Dichloropropane
Concen: 10.115 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 76 Resp: 3890

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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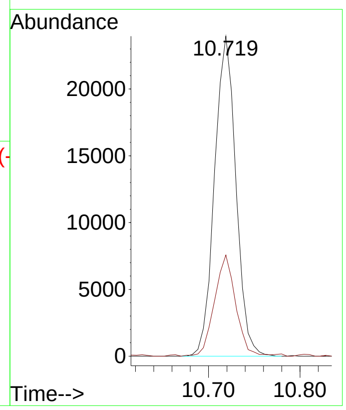
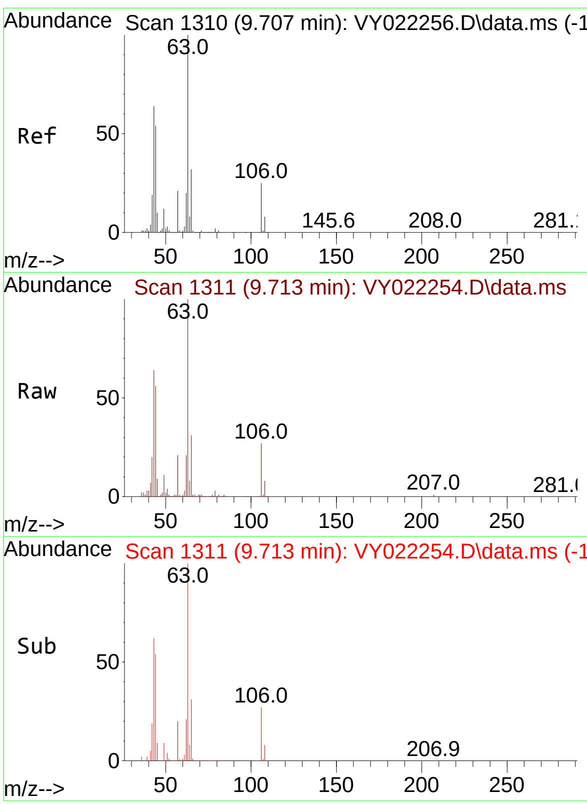
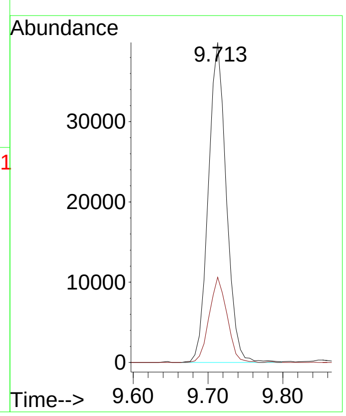


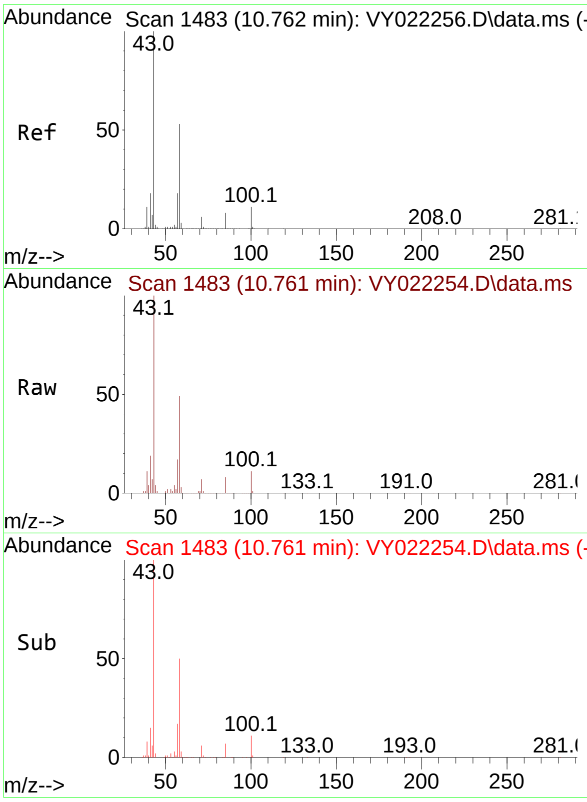


#58
2-Chloroethyl Vinyl ether
Concen: 44.066 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 66700

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4





#59
2-Hexanone
Concen: 49.162 ug/l
RT: 10.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 7443

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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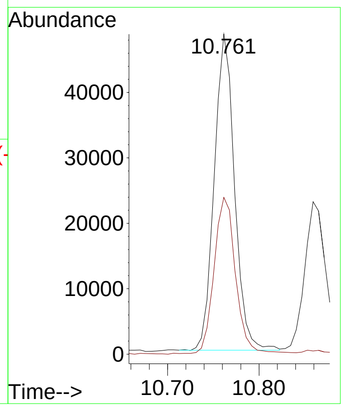
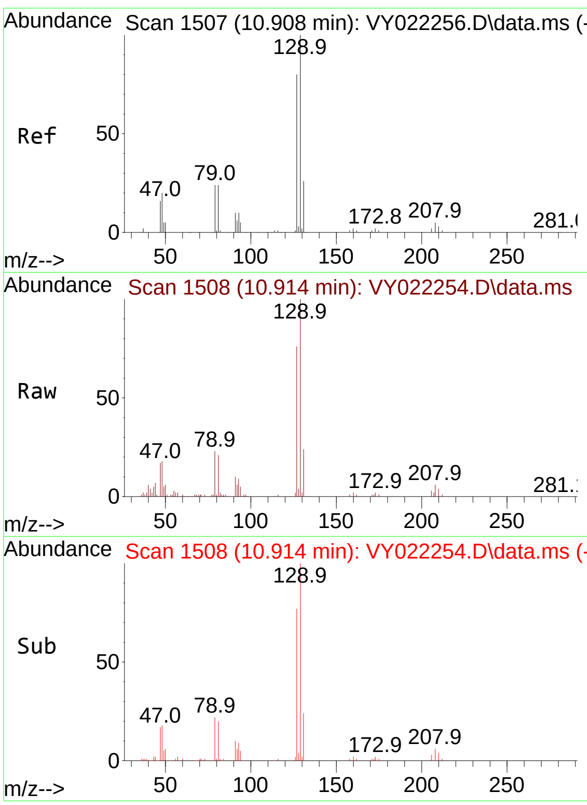
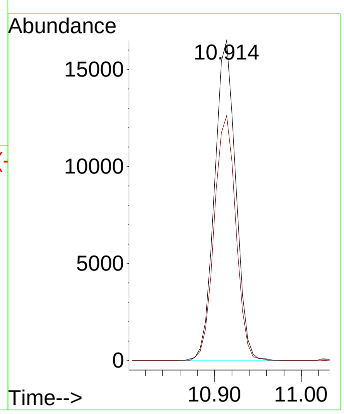




#60
Dibromochloromethane
Concen: 9.965 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:129 Resp: 28002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7



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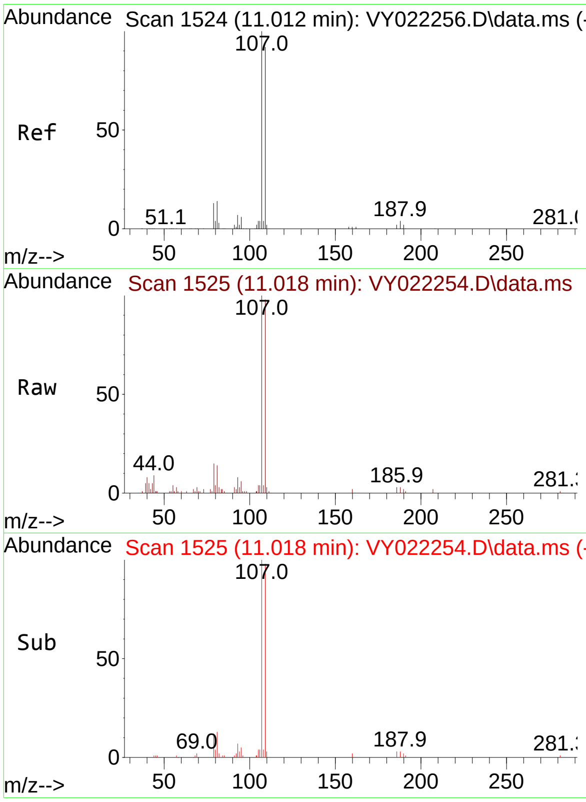

#61
1,2-Dibromoethane
Concen: 10.099 ug/l
RT: 11.018 min Scan# 1!
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 2037!

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.6	111.8

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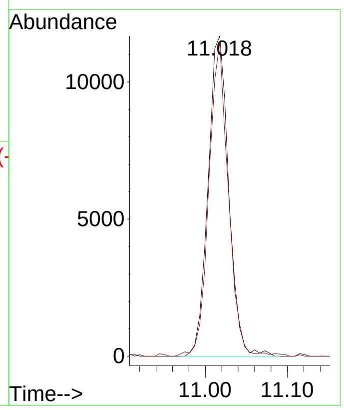
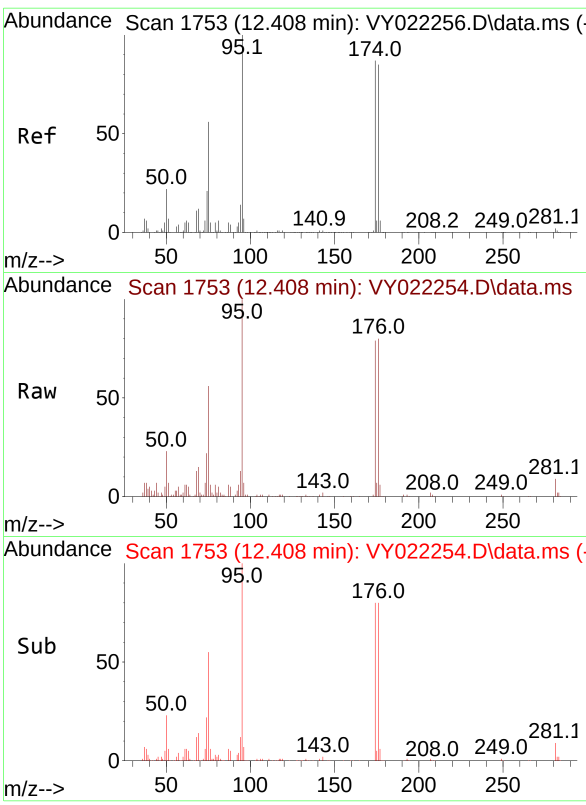
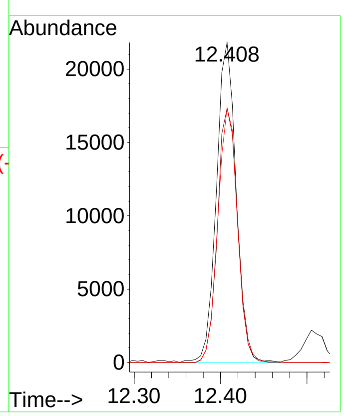


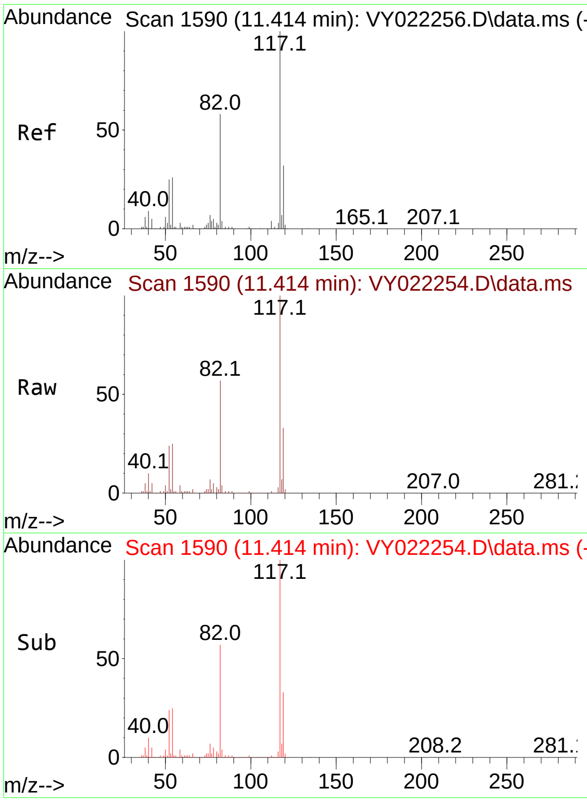


#62
4-Bromofluorobenzene
Concen: 9.959 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 95 Resp: 34423

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





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 37721

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

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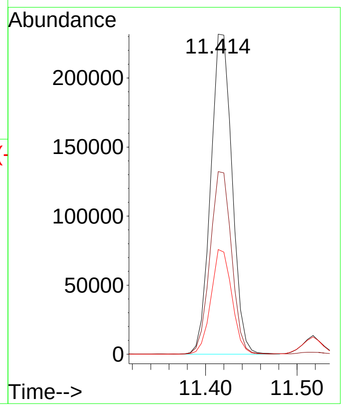
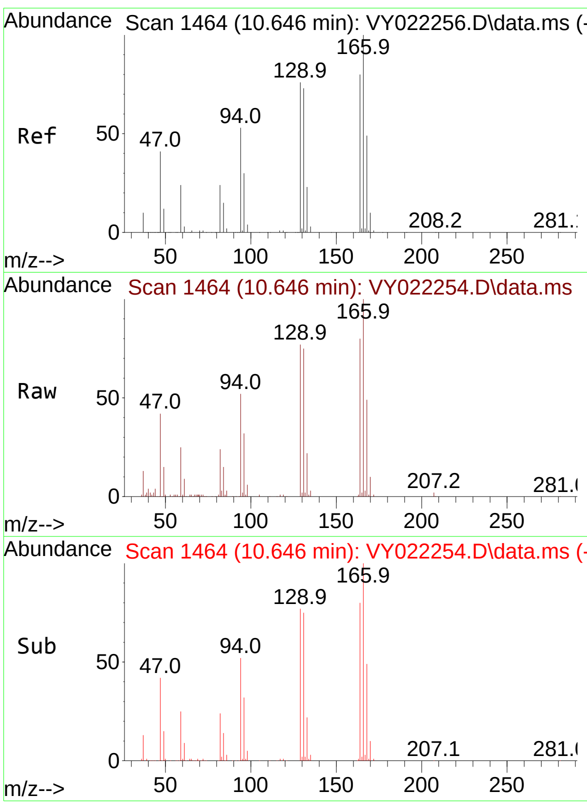
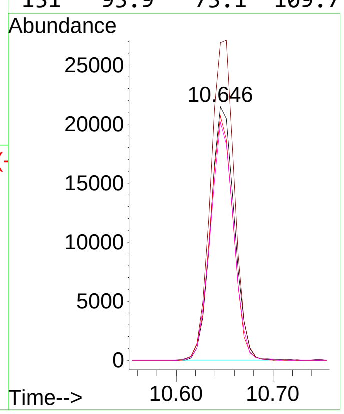




#64
Tetrachloroethene
Concen: 10.404 ug/l
RT: 10.646 min Scan# 1464
Delta R.T.   -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:164 Resp: 36274

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



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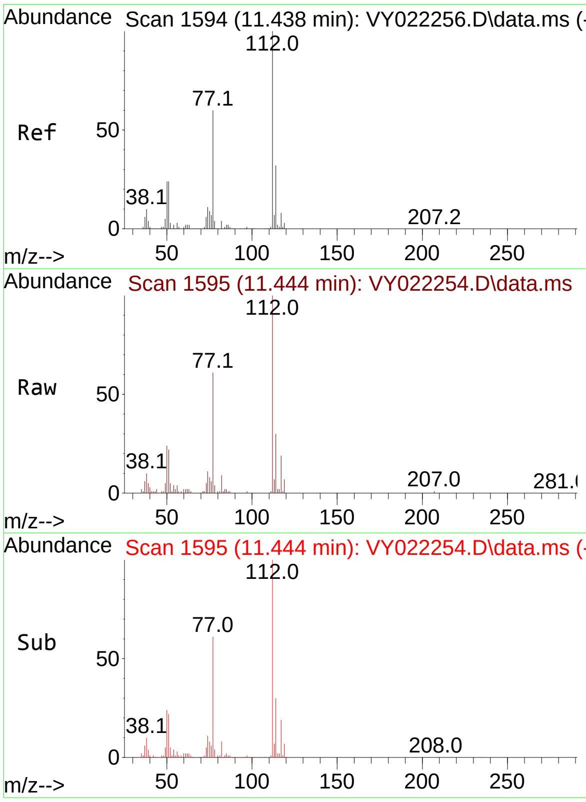

#65
Chlorobenzene
Concen: 9.839 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 8373

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.8	38.6

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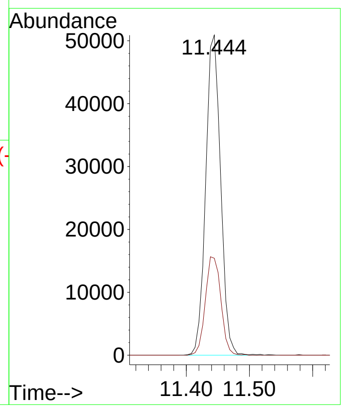
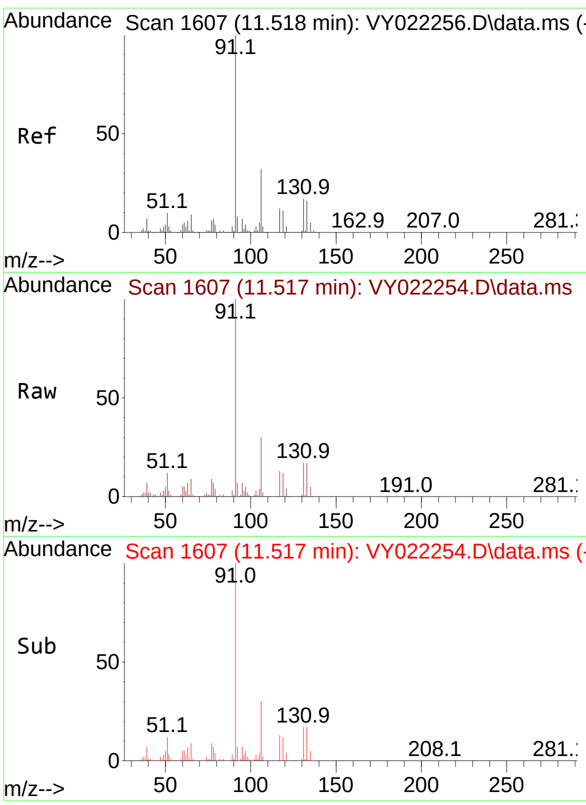
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

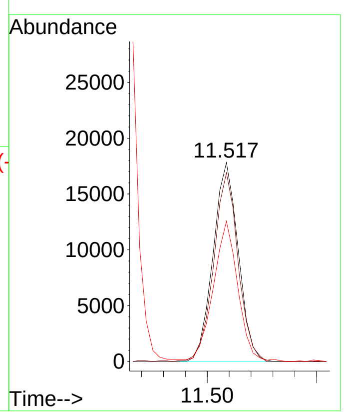


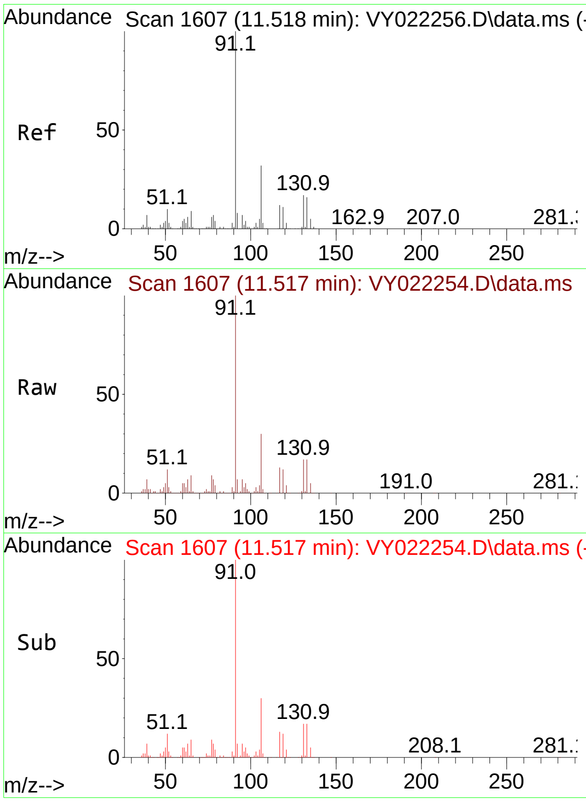


#66
1,1,1,2-Tetrachloroethane
Concen: 9.721 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:131 Resp: 28441

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





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 15415

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.4	38.0

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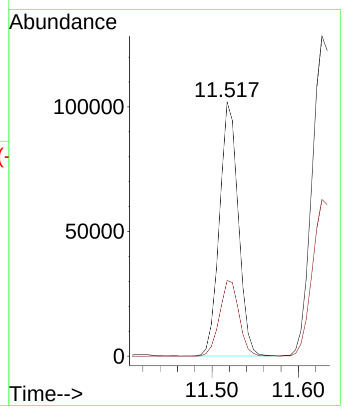
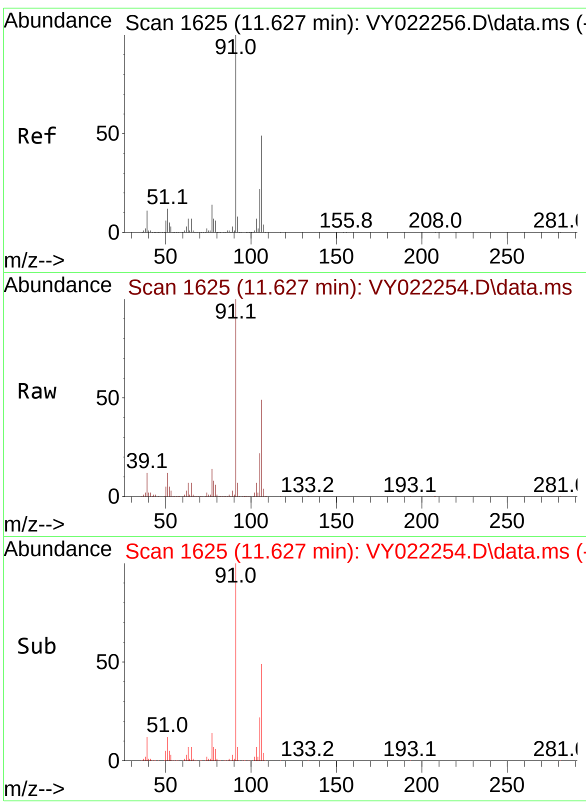
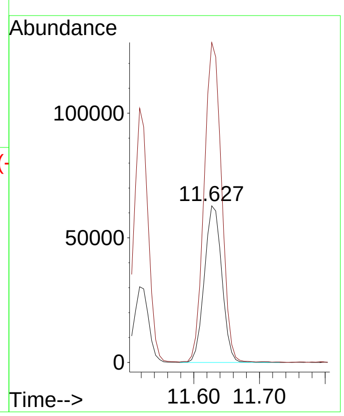




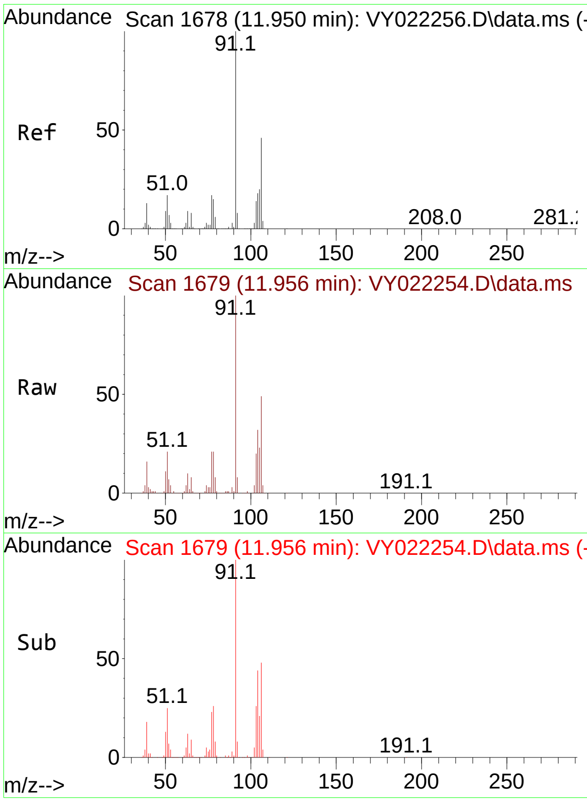
#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 116113

Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.0	244.4



ICAL Form



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 5589(

Ion	Ratio	Lower	Upper
106	100		
91	210.6	108.3	324.8

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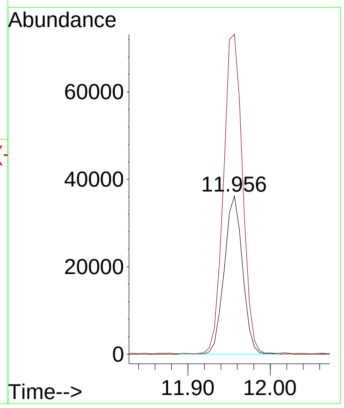
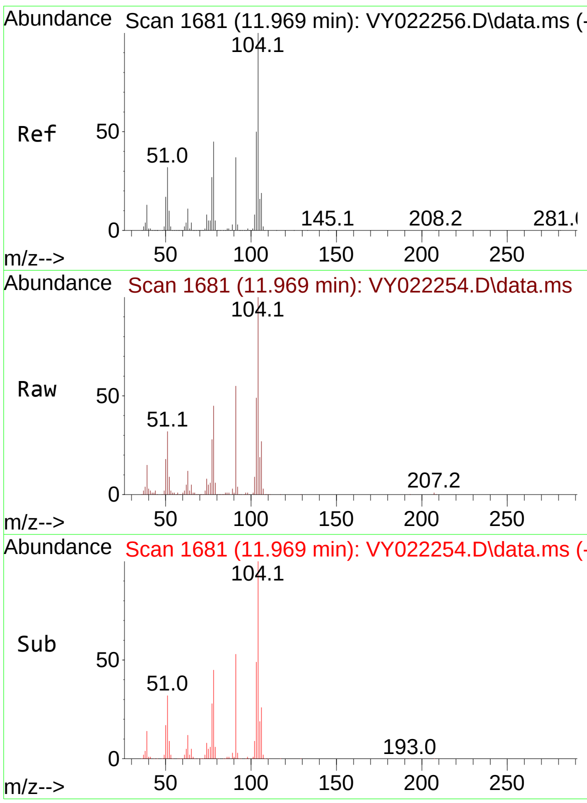
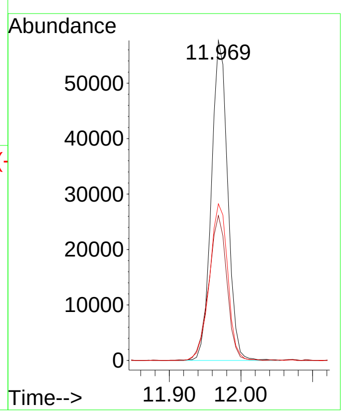




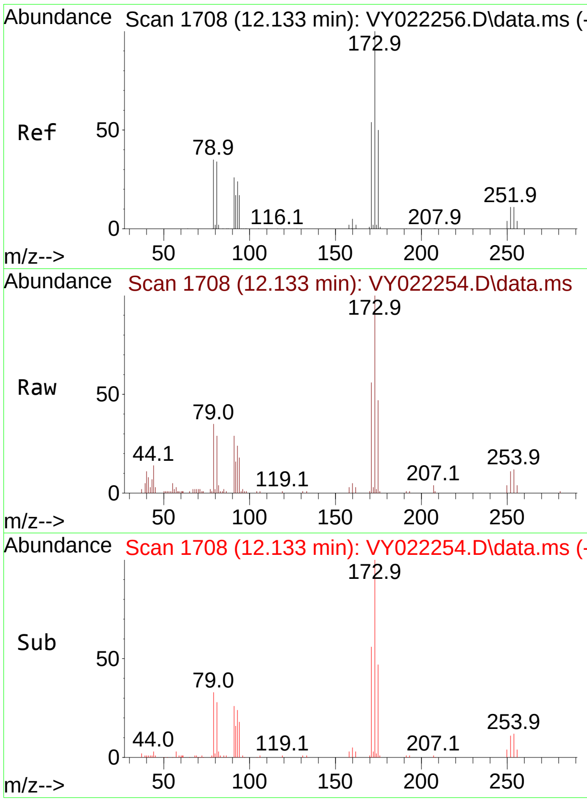
#70
Styrene
Concen: 9.553 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:104 Resp: 91569

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



ICAL Form



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

Tgt Ion:173 Resp: 1615

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Mahesh Dadoda 05/16/2025
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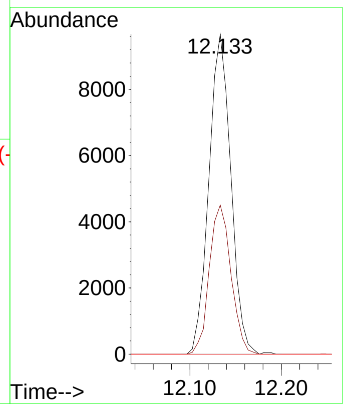
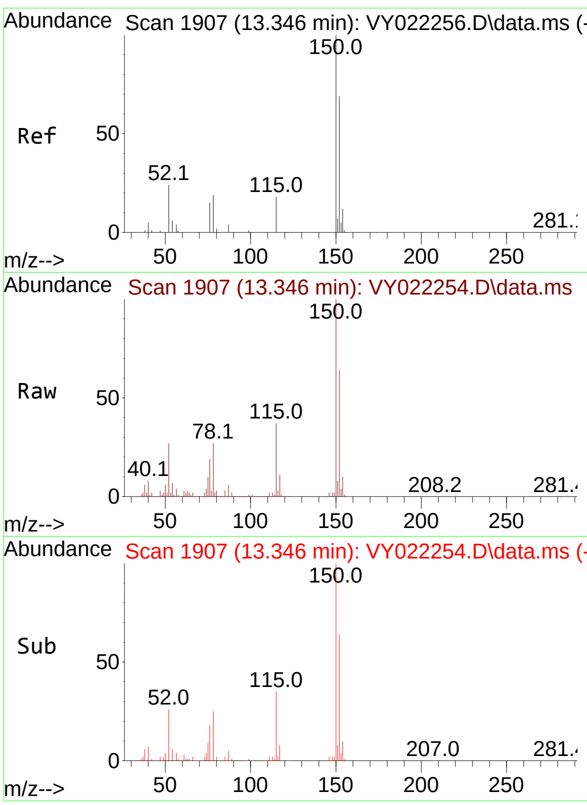
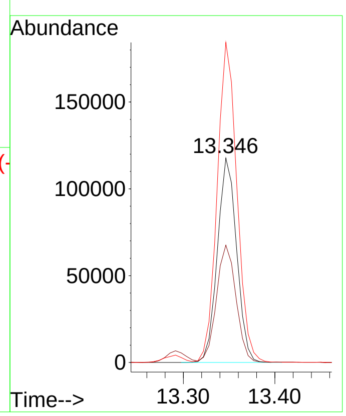




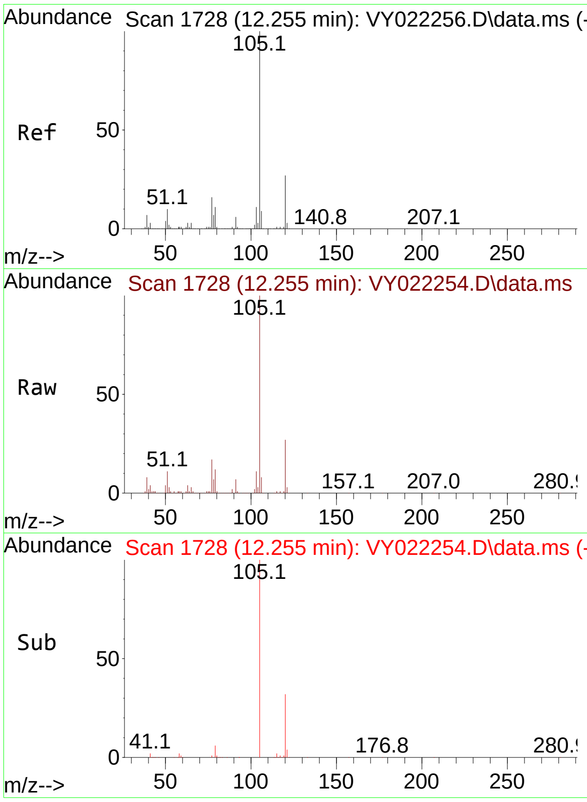
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:152 Resp: 171972

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



ICAL Form



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

Tgt Ion:105 Resp: 14418

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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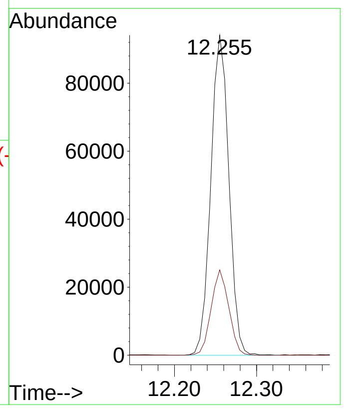
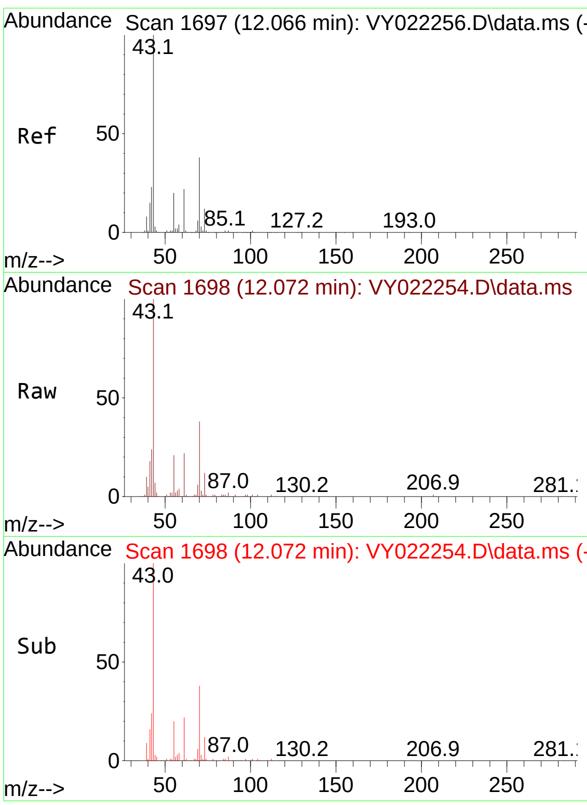
Supervised By :Semsettin Yesilyurt   05/16/2025

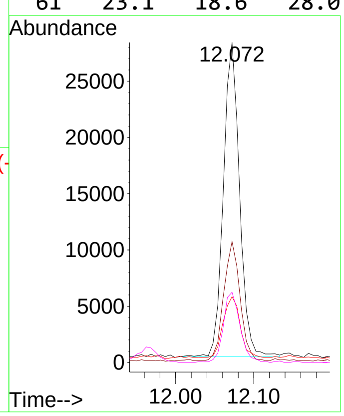


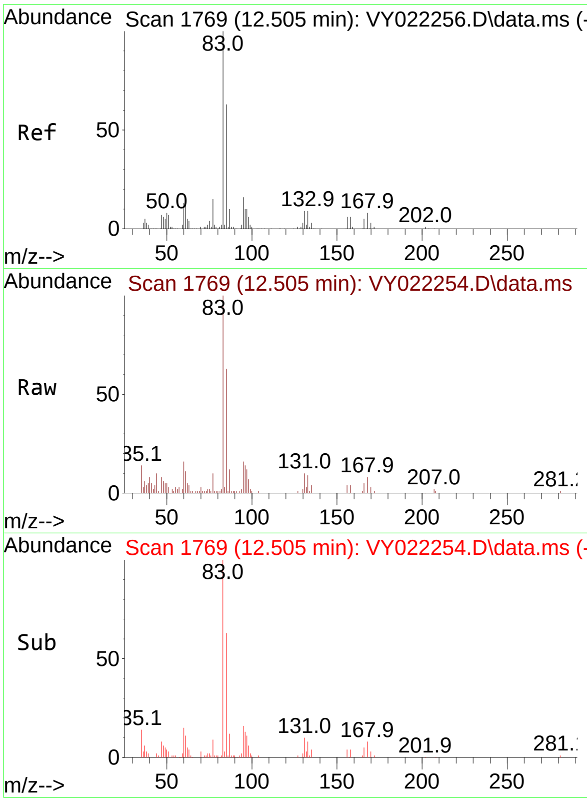


#74
N-amyl acetate
Concen: 9.901 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 40345

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





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

Tgt Ion: 83 Resp: 2224

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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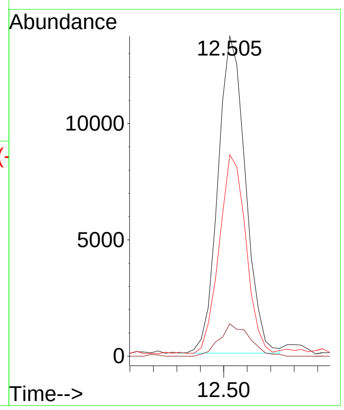
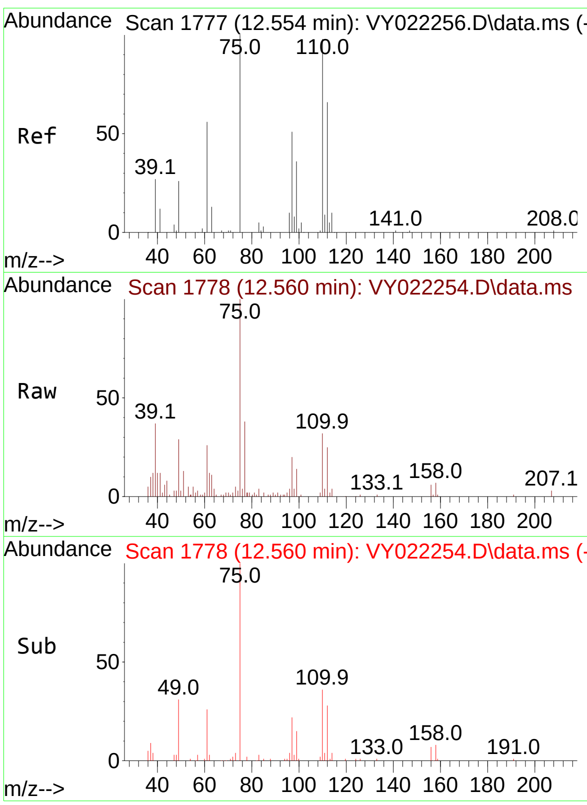
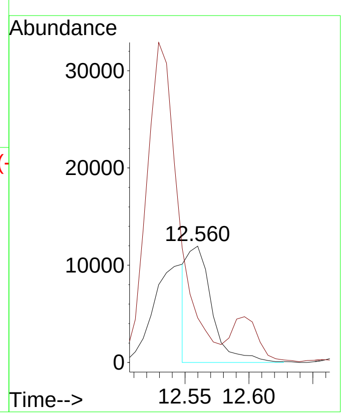


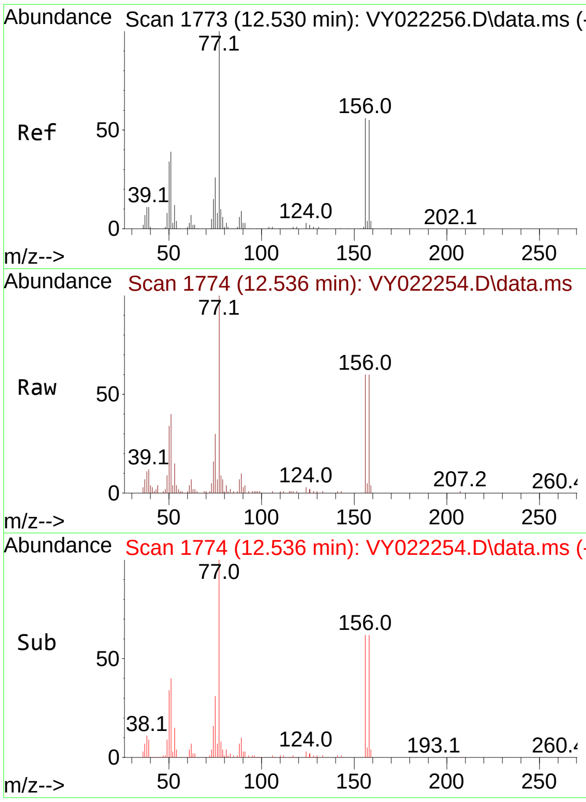


#76
1,2,3-Trichloropropane
Concen: 5.297 ug/l m
RT: 12.560 min   Scan# 1778
Delta R.T.   0.006 min
Lab File: VY022254.D
Acq: 15 May 2025   10:16

Tgt Ion: 75 Resp: 16056

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 3044

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

Manual Integrations
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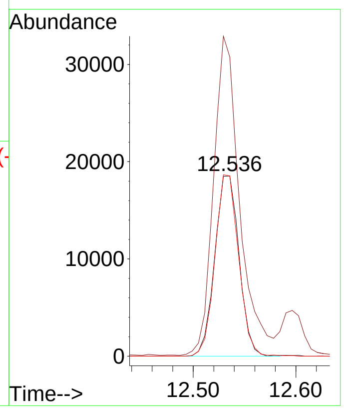
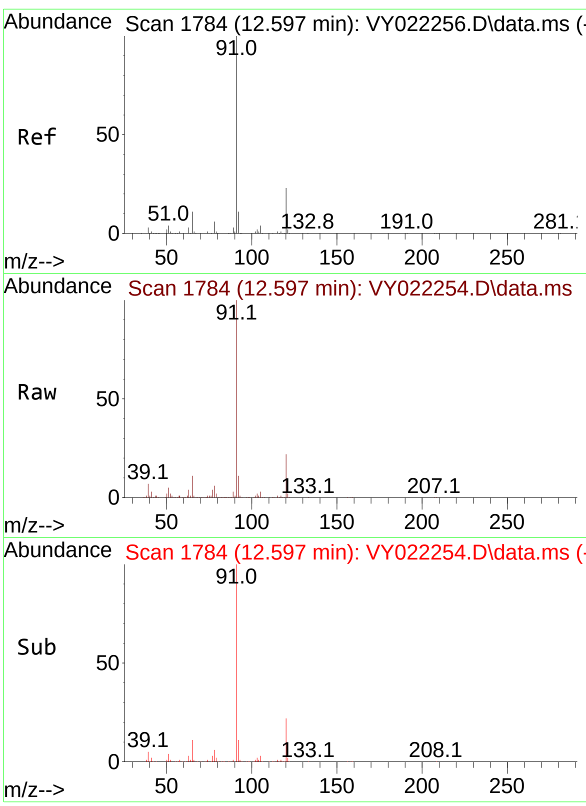
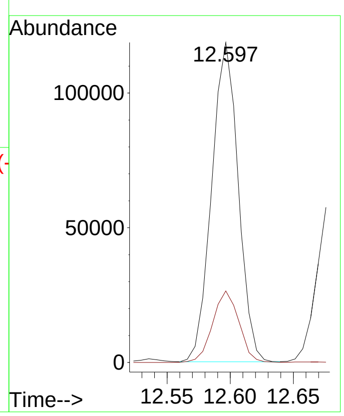




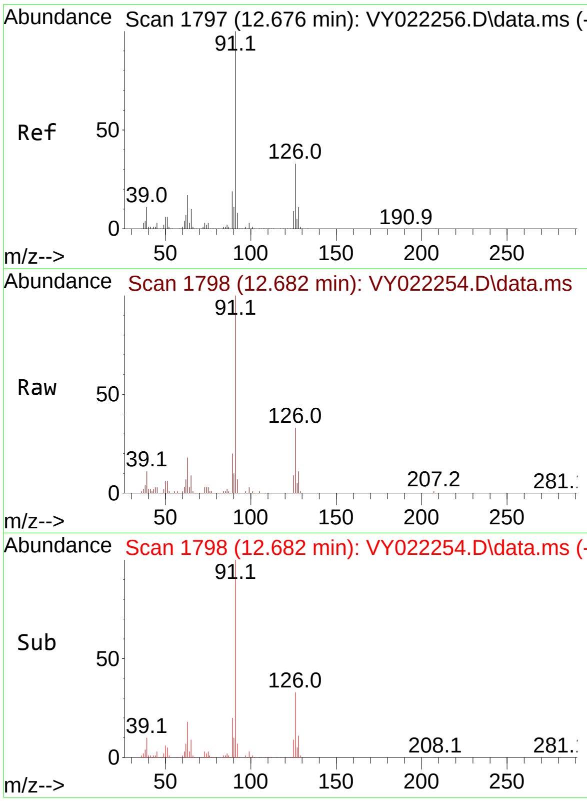
#78
n-propylbenzene
Concen: 10.101 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 173575

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



ICAL Form



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

Tgt Ion: 91 Resp: 9581
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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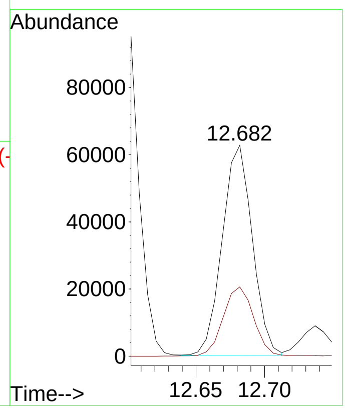
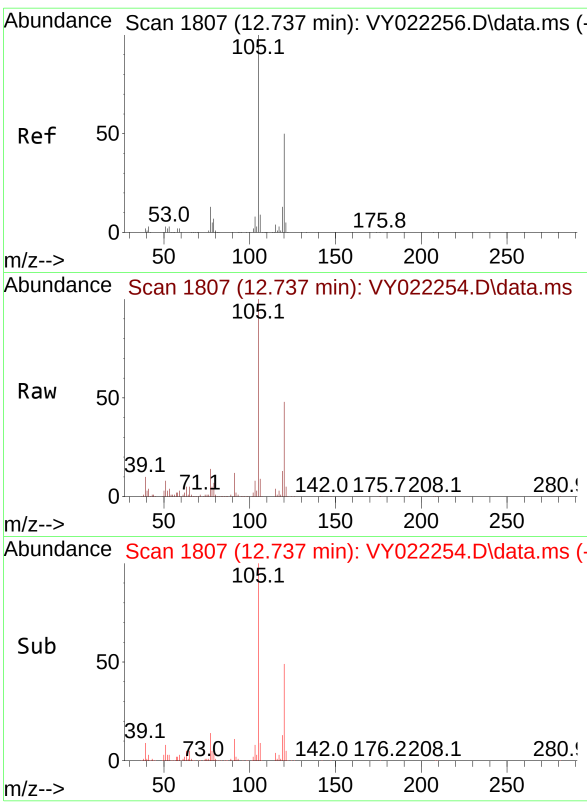
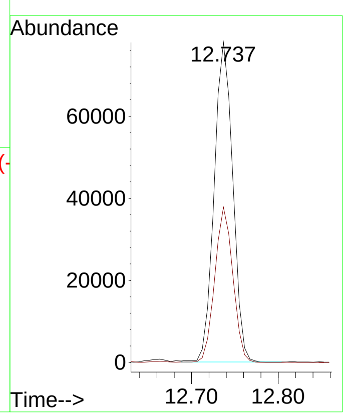
Supervised By :Semsettin Yesilyurt 05/16/2025



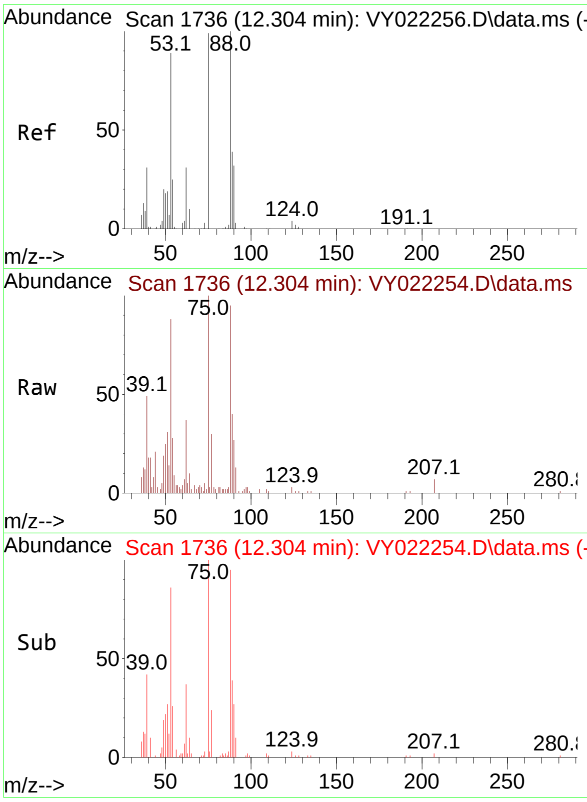


#80
1,3,5-Trimethylbenzene
Concen: 10.126 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 116461
Ion Ratio Lower Upper
105 100
120 47.4 24.2 72.6



ICAL Form



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 893

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

Manual Integrations APPROVED

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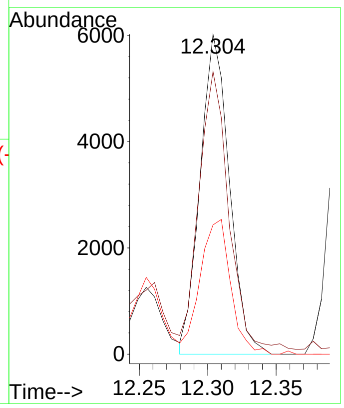
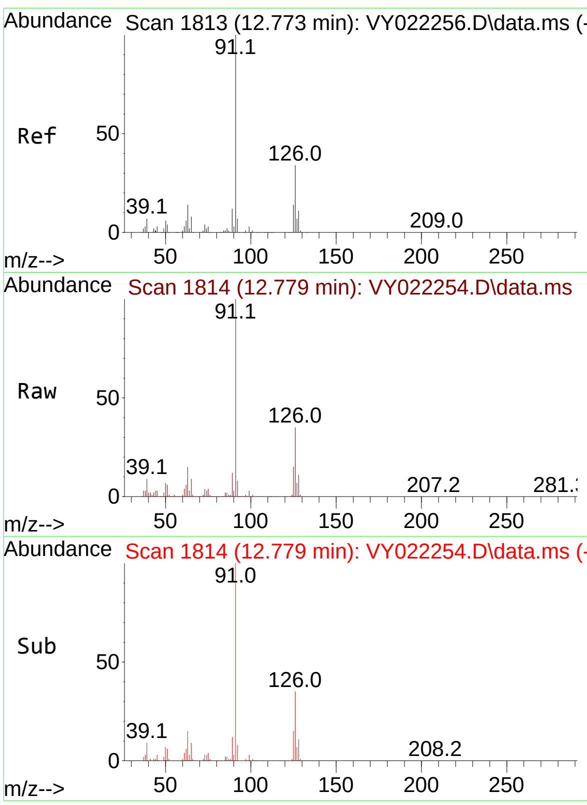
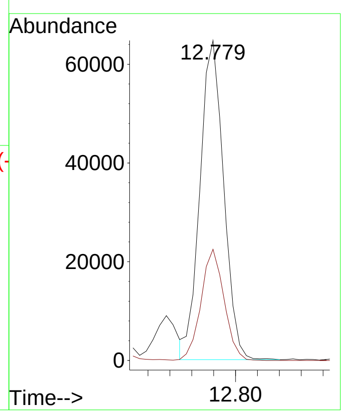




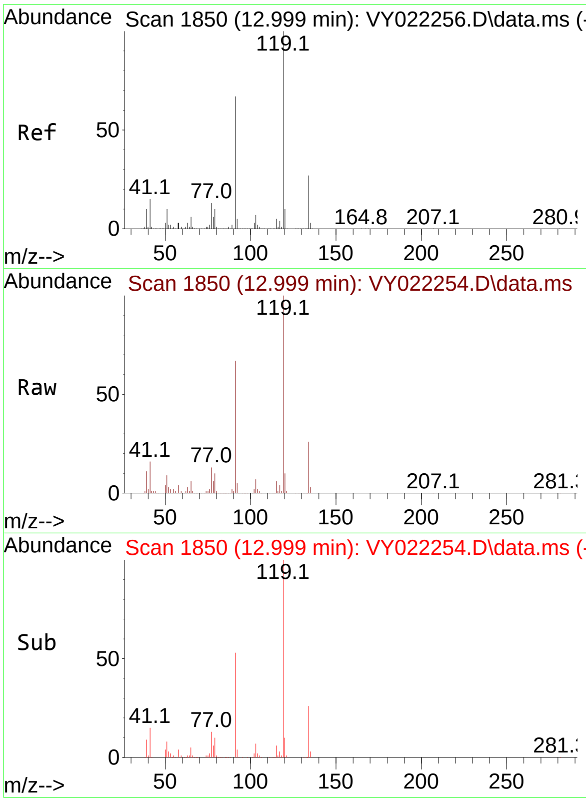
#82
4-Chlorotoluene
Concen: 10.018 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 97309

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4



ICAL Form



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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 10227

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

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Reviewed By :Mahesh Dadoda 05/16/2025
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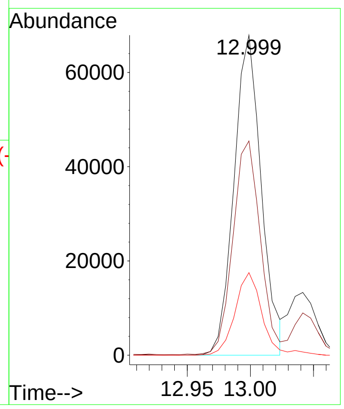
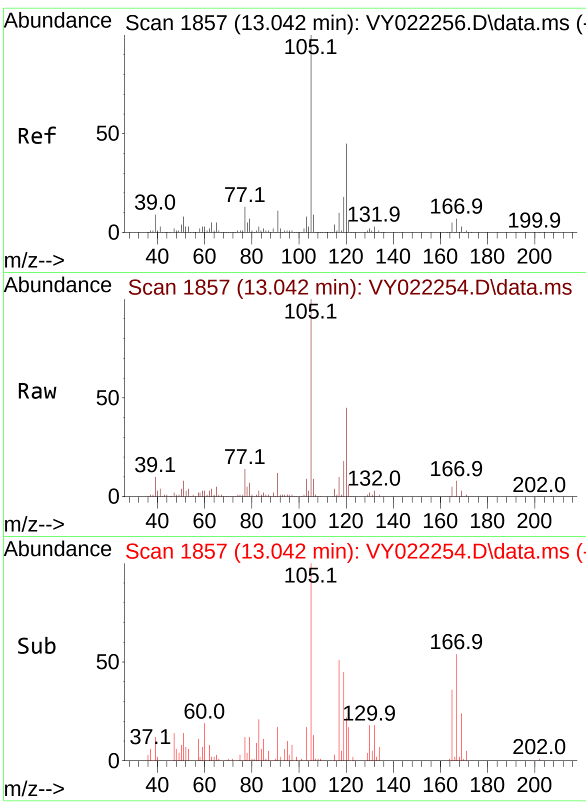
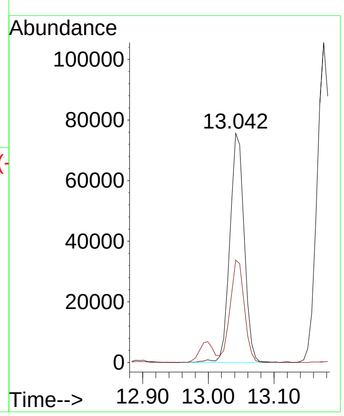


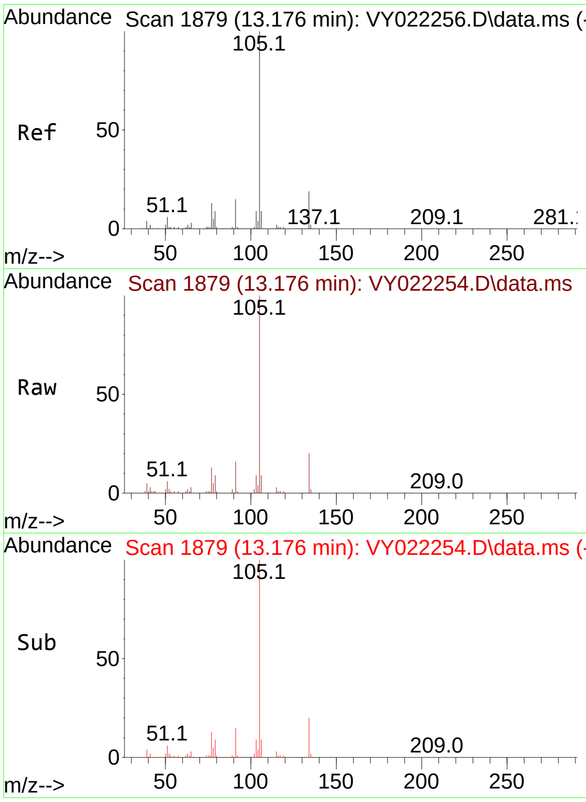


#84
1,2,4-Trimethylbenzene
Concen: 10.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 115175

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 15344

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

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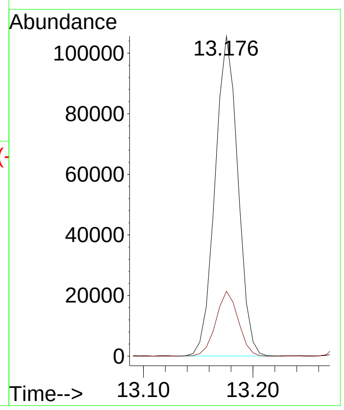
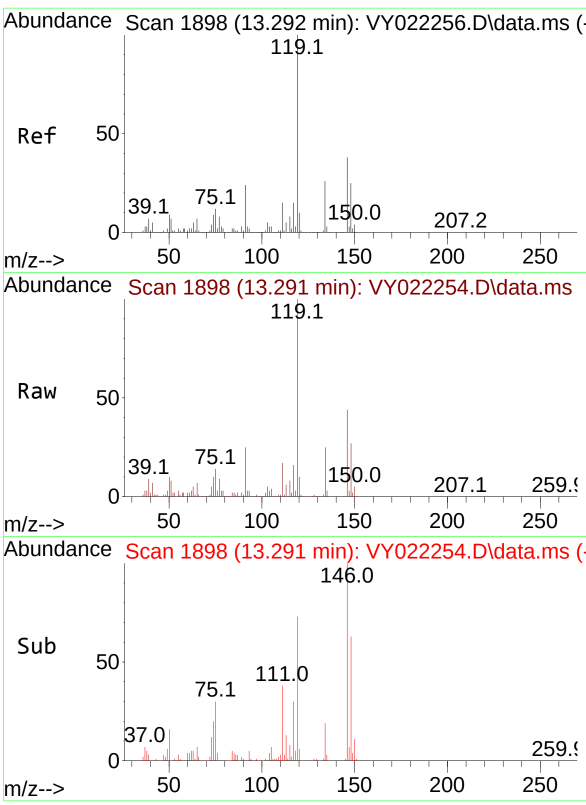
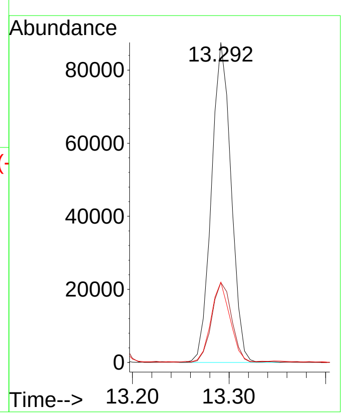




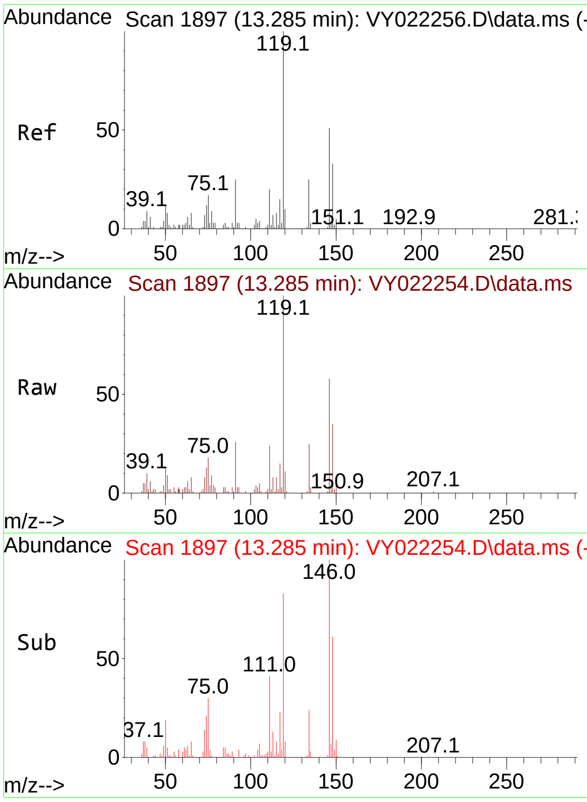
#86
p-Isopropyltoluene
Concen: 9.728 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 124147

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



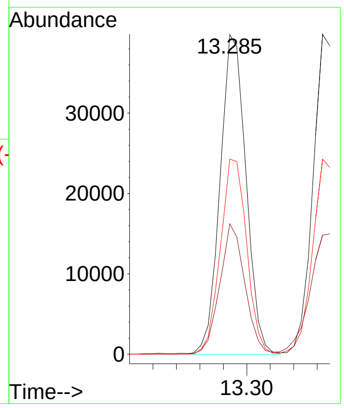
ICAL Form



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

Tgt Ion:146 Resp: 6101

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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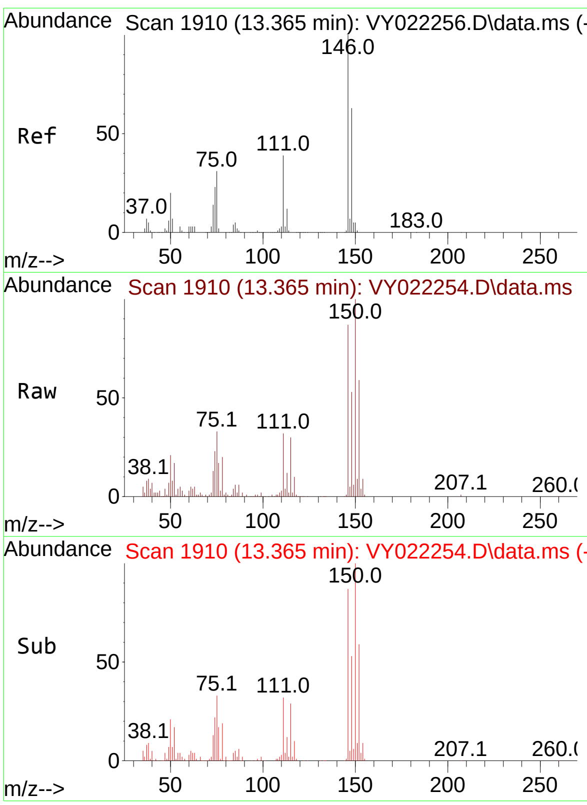
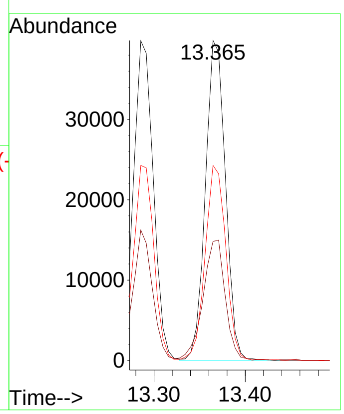
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

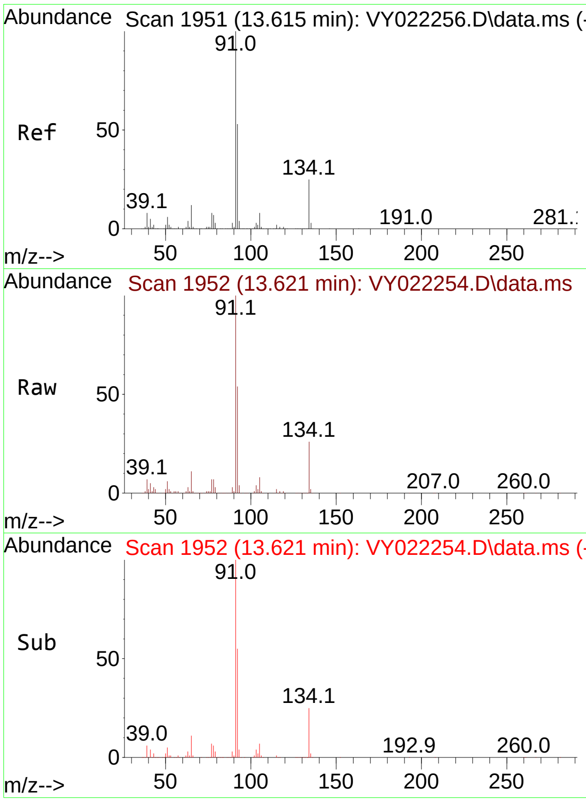


#88
1,4-Dichlorobenzene
Concen: 10.163 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 60723

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





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

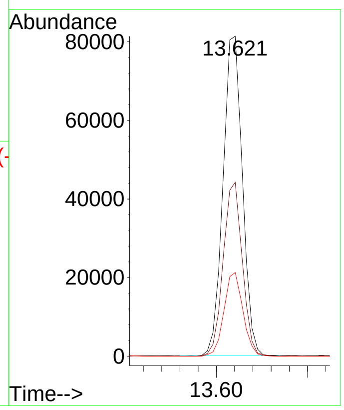
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

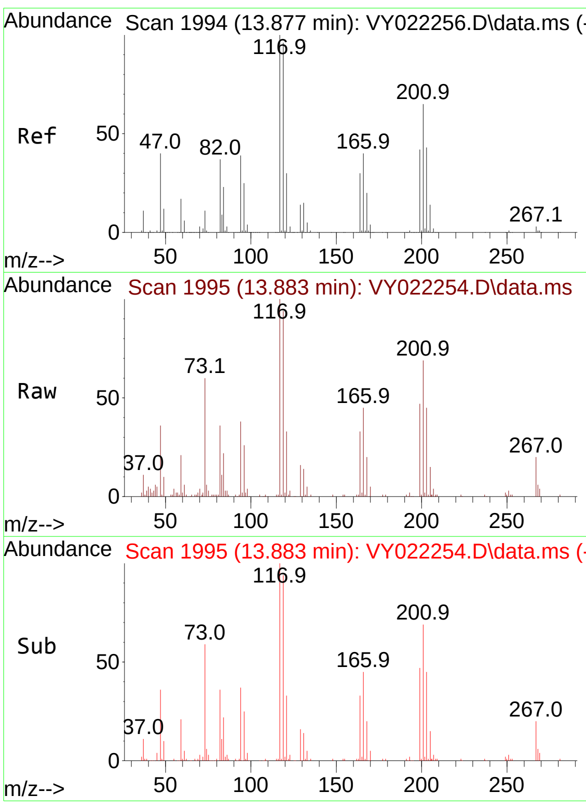
Tgt Ion: 91 Resp: 12037

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

Manual Integrations APPROVED

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

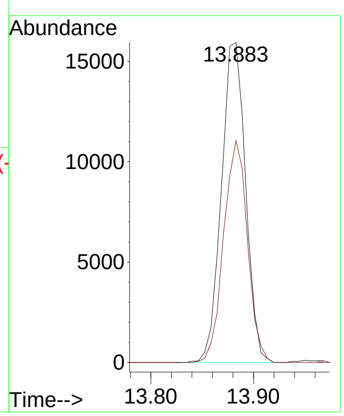




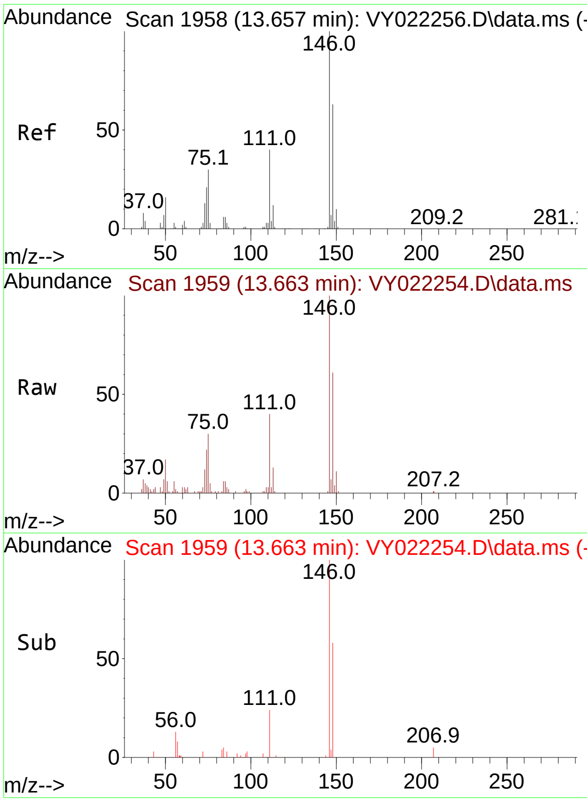
#90
Hexachloroethane
Concen: 10.127 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 26089

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6



ICAL Form



#91
1,2-Dichlorobenzene
Concen: 10.020 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

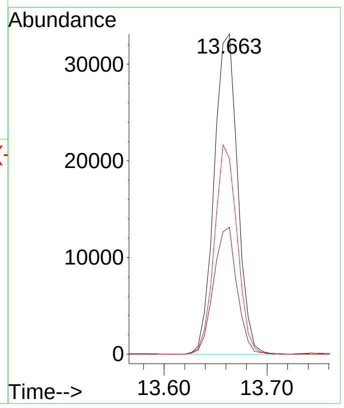
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

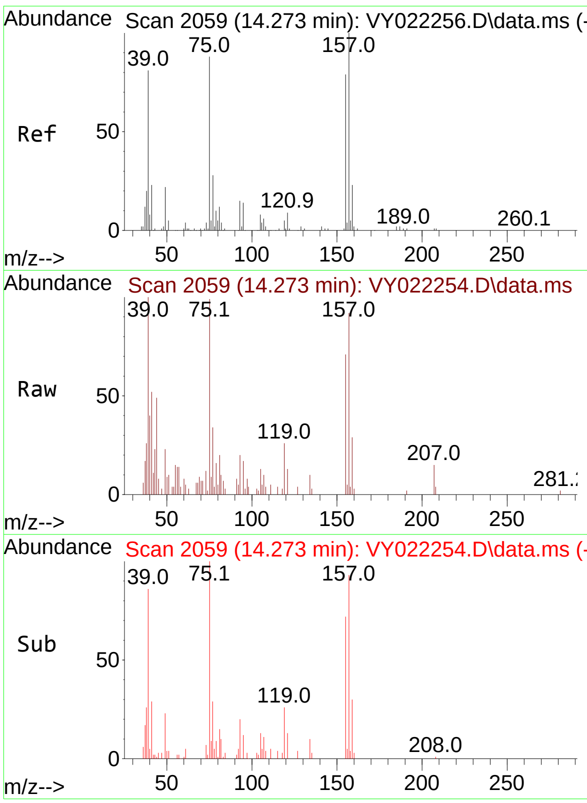
Tgt Ion:146 Resp: 5228

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

Manual Integrations APPROVED

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

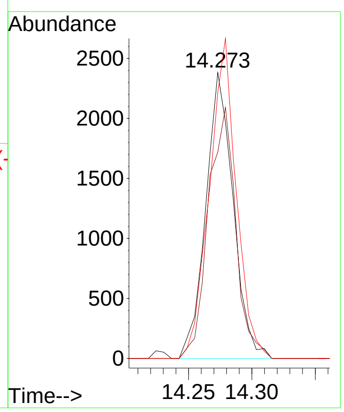




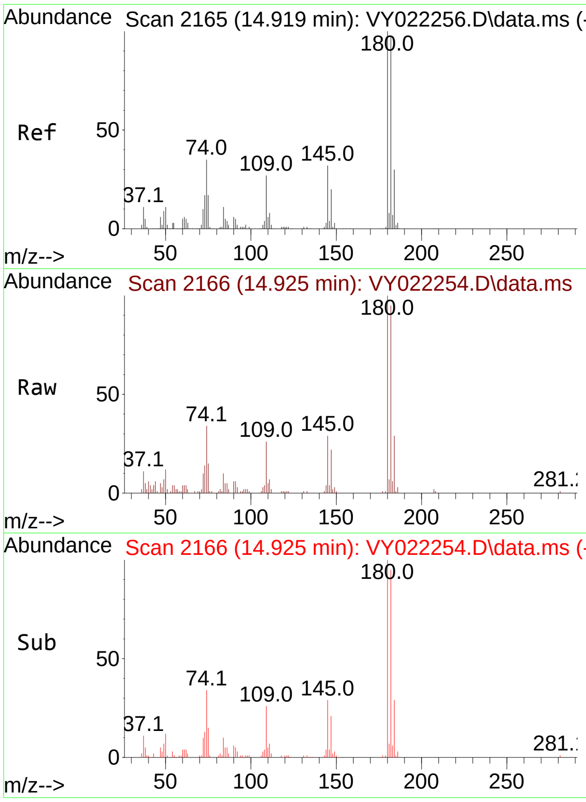
#92
1,2-Dibromo-3-Chloropropane
Concen: 10.155 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 3588

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



ICAL Form



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

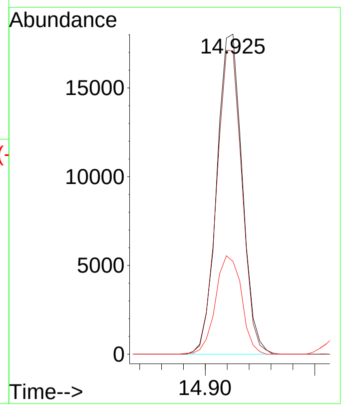
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

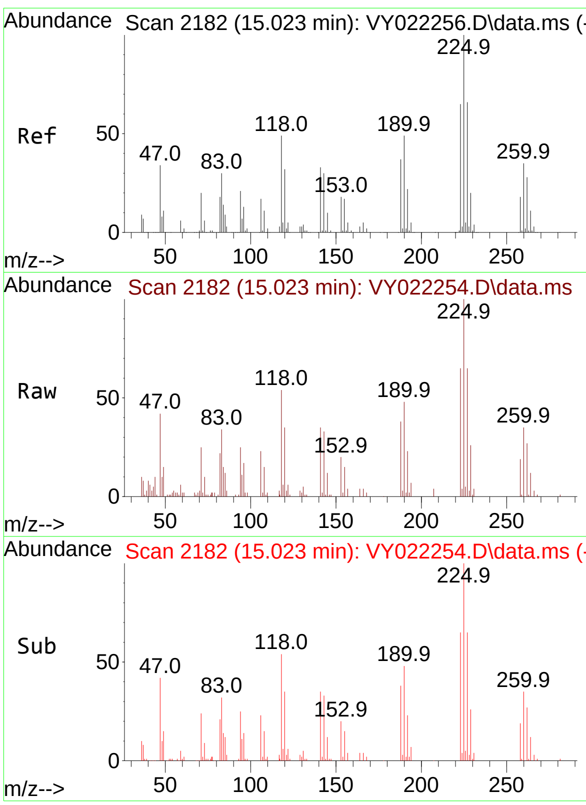
Tgt Ion:180 Resp: 2907

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

Manual Integrations APPROVED

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

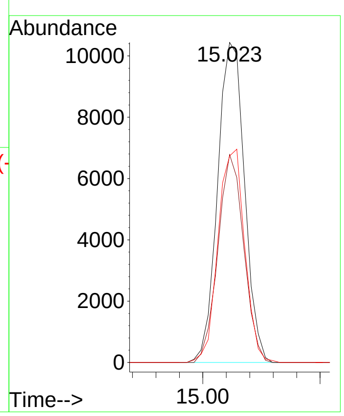


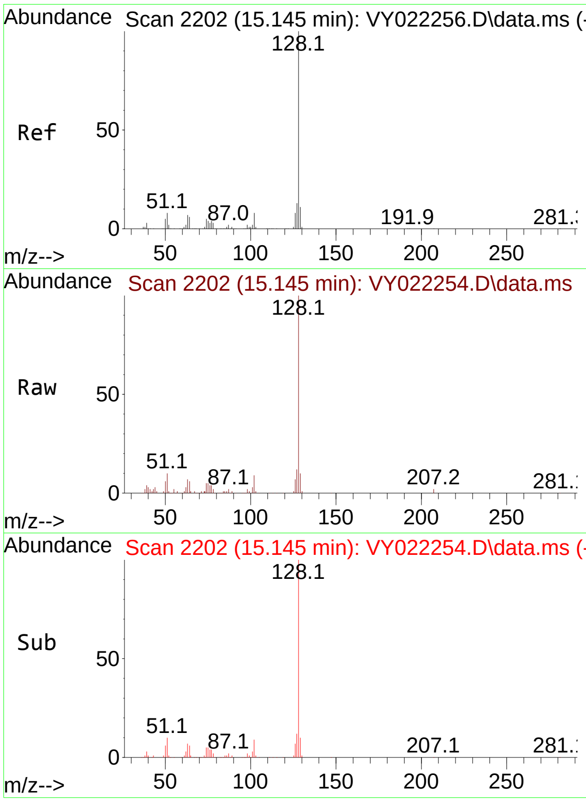


#94
Hexachlorobutadiene
Concen: 9.927 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:225 Resp: 16686

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





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

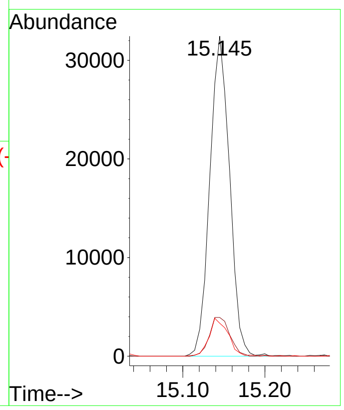
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

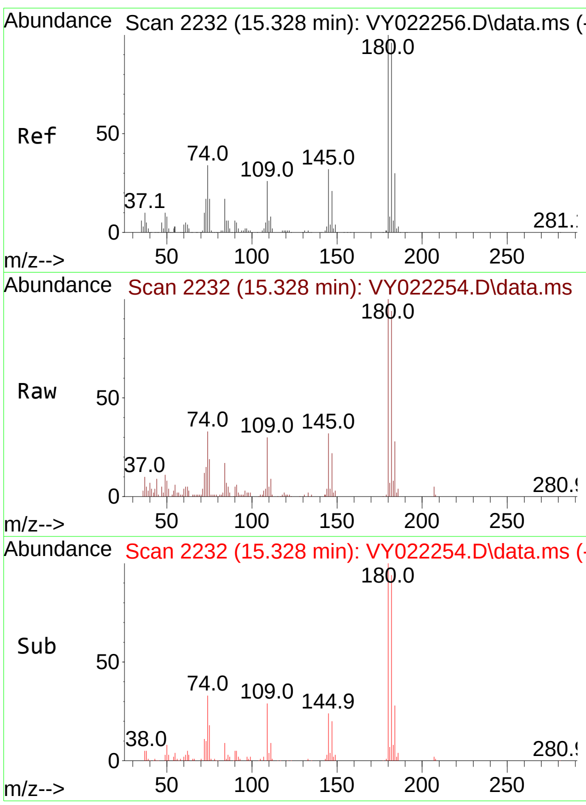
Tgt Ion:128 Resp: 5430

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

Manual Integrations APPROVED

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

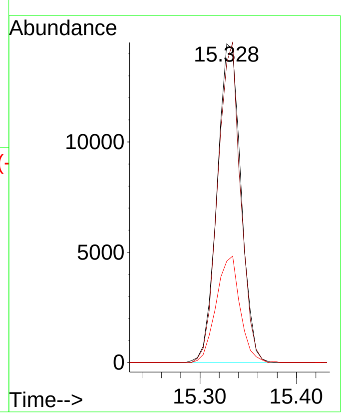




#96
1,2,3-Trichlorobenzene
Concen: 9.696 ug/l
RT: 15.328 min   Scan# 2232
Delta R.T.   -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025   10:16

Tgt Ion:180 Resp: 24790

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	262008	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439816	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370072	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172509	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	55221	19.284 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.560%#	
35) Dibromofluoromethane	7.634	113	51670	19.683 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.360%#	
50) Toluene-d8	10.109	98	210206	19.552 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.100%#	
62) 4-Bromofluorobenzene	12.408	95	64706	18.988 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.980%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	56737	20.753 ug/l	99
3) Chloromethane	2.068	50	120819	21.008 ug/l	97
4) Vinyl Chloride	2.202	62	132511	20.623 ug/l	96
5) Bromomethane	2.592	94	110855	21.194 ug/l	99
6) Chloroethane	2.732	64	83451	20.877 ug/l	99
7) Trichlorofluoromethane	3.050	101	132029	20.295 ug/l	97
8) Diethyl Ether	3.458	74	29651	18.993 ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	57012	20.187 ug/l	98
10) Methyl Iodide	4.001	142	65018	19.891 ug/l	98
11) Tert butyl alcohol	4.872	59	19585	89.565 ug/l #	100
12) 1,1-Dichloroethene	3.787	96	56630	20.206 ug/l	98
13) Acrolein	3.653	56	30106	94.178 ug/l	91
14) Allyl chloride	4.385	41	99483	20.244 ug/l	100
15) Acrylonitrile	5.061	53	60119	93.456 ug/l	100
16) Acetone	3.873	43	50198	93.491 ug/l	96
17) Carbon Disulfide	4.104	76	184860	20.228 ug/l	99
18) Methyl Acetate	4.391	43	29969	18.344 ug/l	96
19) Methyl tert-butyl Ether	5.116	73	145976	18.890 ug/l	100
20) Methylene Chloride	4.616	84	67687	19.510 ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	63174	20.422 ug/l	97
22) Diisopropyl ether	6.019	45	202960	19.558 ug/l	99
23) Vinyl Acetate	5.958	43	594019	94.748 ug/l	99
24) 1,1-Dichloroethane	5.915	63	115217	19.873 ug/l	99
25) 2-Butanone	6.896	43	82768	92.157 ug/l	93
26) 2,2-Dichloropropane	6.890	77	101725	19.727 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	70008	19.611 ug/l	98
28) Bromochloromethane	7.244	49	48933	19.787 ug/l	100
29) Tetrahydrofuran	7.262	42	53229	92.122 ug/l	98
30) Chloroform	7.421	83	111815	20.107 ug/l	98
31) Cyclohexane	7.695	56	112876	19.486 ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	100618	19.721 ug/l	100
36) 1,1-Dichloropropene	7.835	75	85789	19.841 ug/l	99
37) Ethyl Acetate	6.988	43	38482	18.497 ug/l	99
38) Carbon Tetrachloride	7.817	117	86871	19.410 ug/l	98
39) Methylcyclohexane	9.109	83	113511	19.540 ug/l	98
40) Benzene	8.079	78	252507	19.700 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

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

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	26008m	17.085	ug/l	
42) 1,2-Dichloroethane	8.158	62	66525	19.192	ug/l	99
43) Isopropyl Acetate	8.201	43	84532	18.631	ug/l	97
44) Trichloroethene	8.866	130	63438	19.904	ug/l	96
45) 1,2-Dichloropropane	9.140	63	60438	19.557	ug/l	100
46) Dibromomethane	9.231	93	31752	19.050	ug/l	99
47) Bromodichloromethane	9.426	83	83823	19.385	ug/l	96
48) Methyl methacrylate	9.219	41	39387	18.563	ug/l	99
49) 1,4-Dioxane	9.237	88	7312	388.323	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	202454	90.940	ug/l	99
52) Toluene	10.170	92	156498	19.281	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	80413	19.056	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	94074	19.458	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	40872	19.149	ug/l	99
56) Ethyl methacrylate	10.438	69	62193	18.706	ug/l	97
57) 1,3-Dichloropropane	10.713	76	72715	19.175	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	126240	84.595	ug/l	99
59) 2-Hexanone	10.762	43	132496	88.766	ug/l	100
60) Dibromochloromethane	10.914	129	52353	18.898	ug/l	98
61) 1,2-Dibromoethane	11.012	107	37735	18.969	ug/l	99
64) Tetrachloroethene	10.646	164	69548	20.332	ug/l	98
65) Chlorobenzene	11.438	112	163725	19.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	55078	19.189	ug/l	98
67) Ethyl Benzene	11.518	91	303375	19.402	ug/l	99
68) m/p-Xylenes	11.627	106	225990	38.355	ug/l	100
69) o-Xylene	11.956	106	106998	19.194	ug/l	100
70) Styrene	11.969	104	179114	19.048	ug/l	99
71) Bromoform	12.133	173	28788	18.582	ug/l #	98
73) Isopropylbenzene	12.255	105	282895	19.795	ug/l	100
74) N-amyl acetate	12.072	43	76841	18.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40064	18.228	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	35574m	11.701	ug/l	
77) Bromobenzene	12.530	156	58515	19.170	ug/l	99
78) n-propylbenzene	12.597	91	338383	19.630	ug/l	99
79) 2-Chlorotoluene	12.682	91	185872	19.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	225966	19.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16653	19.302	ug/l	97
82) 4-Chlorotoluene	12.779	91	189350	19.433	ug/l	100
83) tert-Butylbenzene	12.999	119	200101	19.515	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	221194	19.315	ug/l	98
85) sec-Butylbenzene	13.176	105	297975	19.576	ug/l	100
86) p-Isopropyltoluene	13.292	119	246569	19.261	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	118336	18.991	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	117705	19.638	ug/l	99
89) n-Butylbenzene	13.615	91	240857	19.887	ug/l	99
90) Hexachloroethane	13.877	117	50762	19.643	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	102077	19.502	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6387	18.021	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	58490	19.346	ug/l	99
94) Hexachlorobutadiene	15.023	225	34228	20.301	ug/l	100
95) Naphthalene	15.145	128	105350	18.362	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48444	18.888	ug/l	99

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

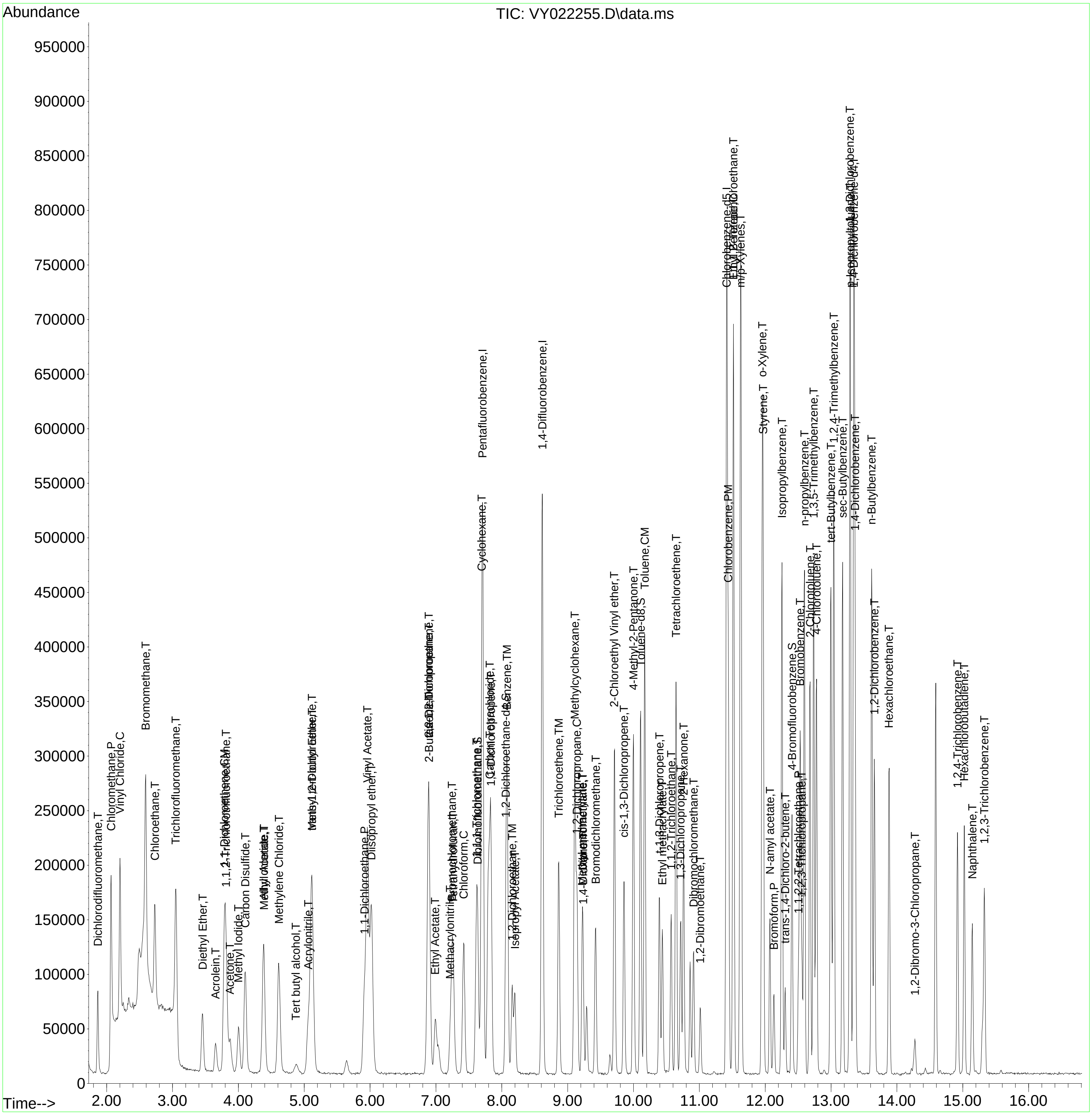
ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

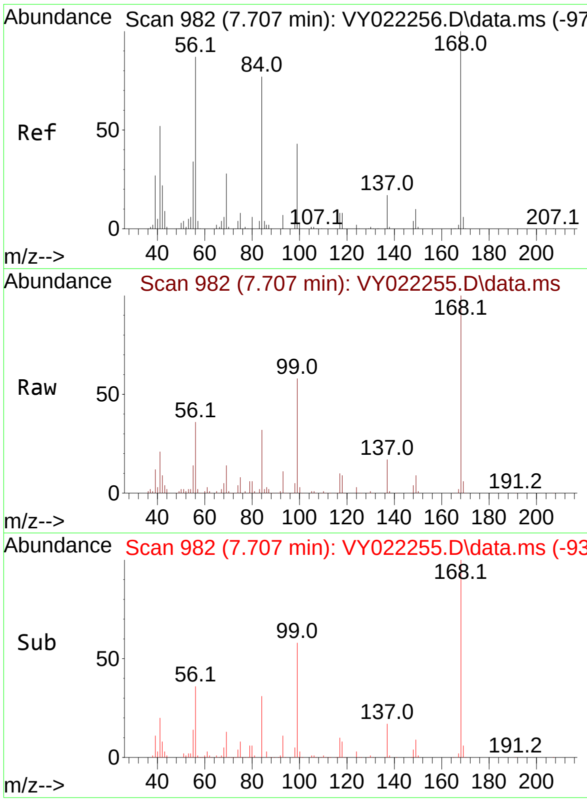


ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

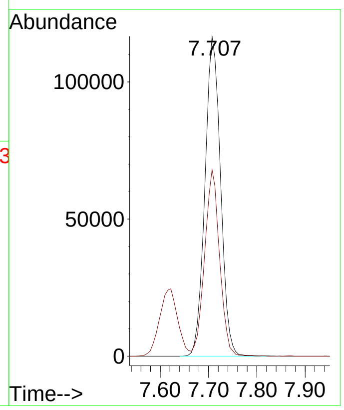
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

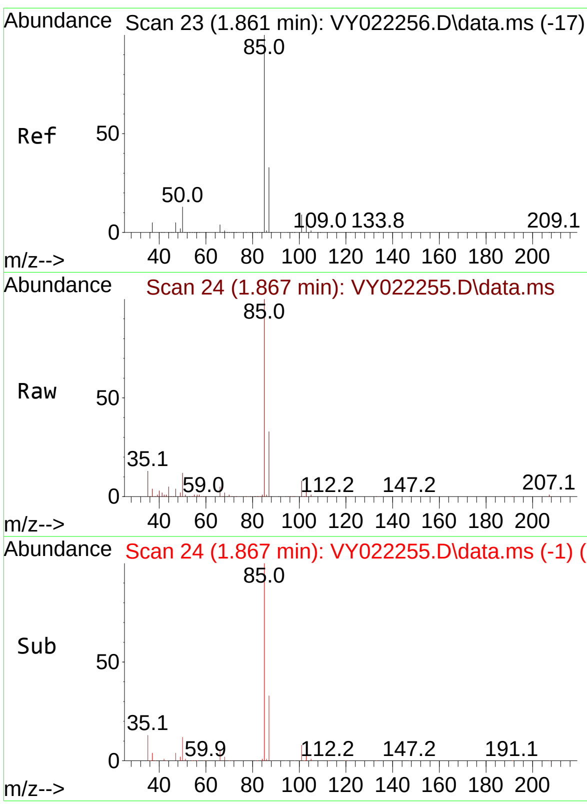


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:168 Resp: 262008

Ion	Ratio	Lower	Upper
168	100		
99	58.3	44.2	66.4

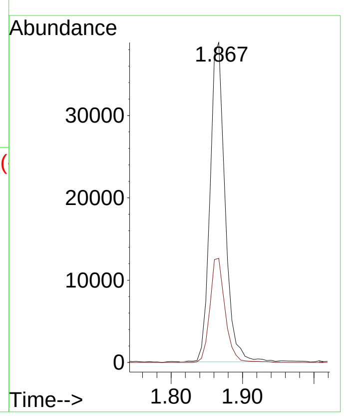




#2
Dichlorodifluoromethane
Concen: 20.753 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 85 Resp: 56737

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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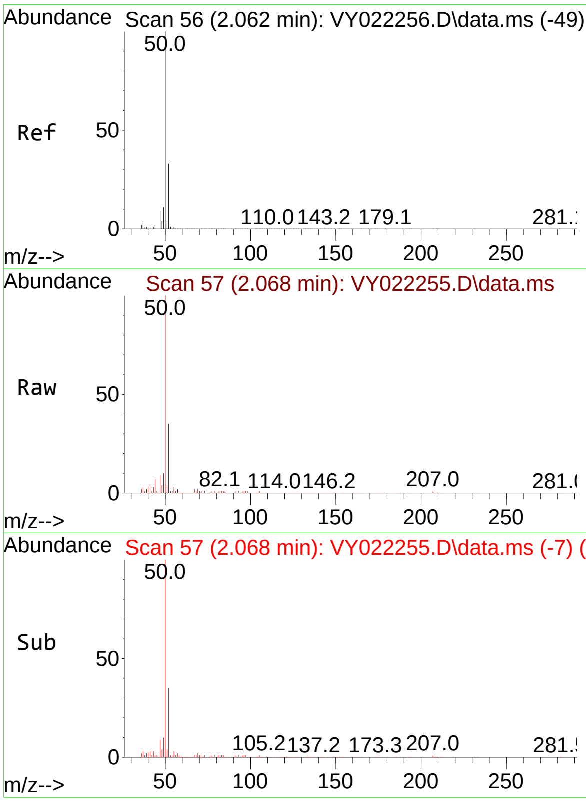
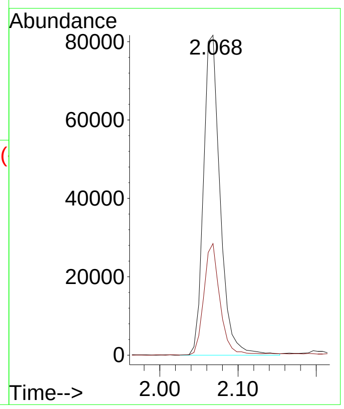
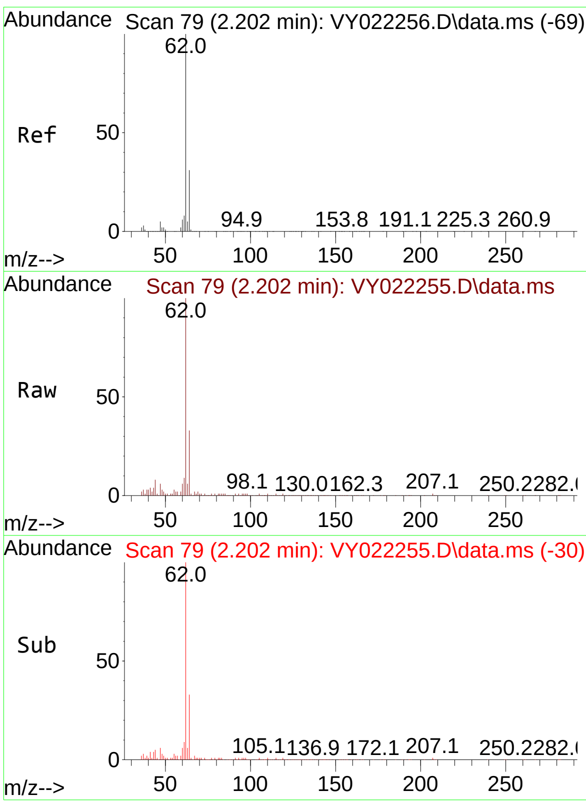
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




```
#3
Chloromethane
Concen:   21.008 ug/l
RT:   2.068 min   Scan# 5
Delta R.T.  0.006 min
Lab File:   VY022255.D
Acq: 15 May 2025  10:39

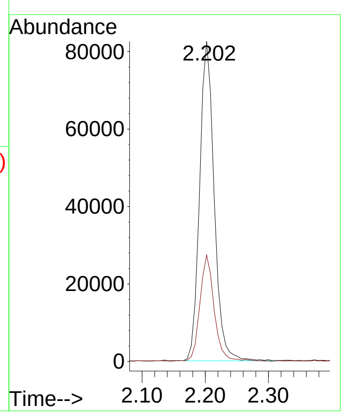
Tgt Ion: 50 Resp:  12081
Ion  Ratio  Lower  Upper
 50  100
 52   34.9   26.5   39.7
```

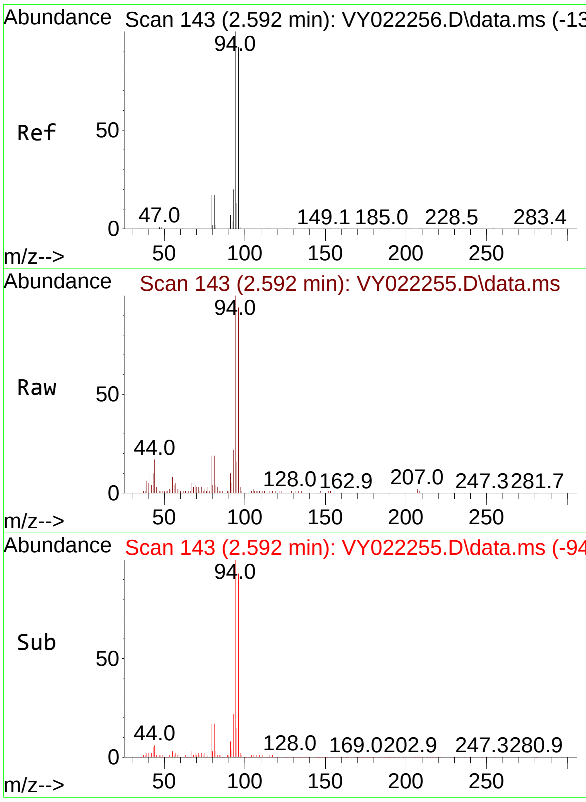





```
#4
Vinyl Chloride
Concen:   20.623 ug/l
RT:   2.202 min   Scan# 79
Delta R.T.  0.000 min
Lab File:   VY022255.D
Acq: 15 May 2025  10:39

Tgt Ion: 62 Resp:  132511
Ion  Ratio  Lower  Upper
 62  100
 64   33.0   24.5   36.7
```





#5
Bromomethane
Concen: 21.194 ug/l
RT: 2.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

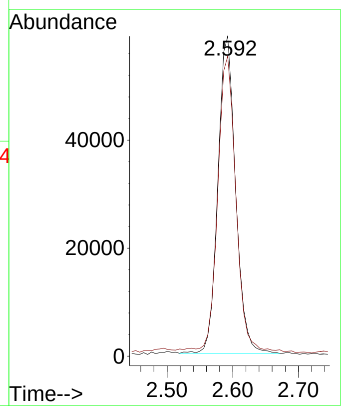
Tgt Ion: 94 Resp: 11085

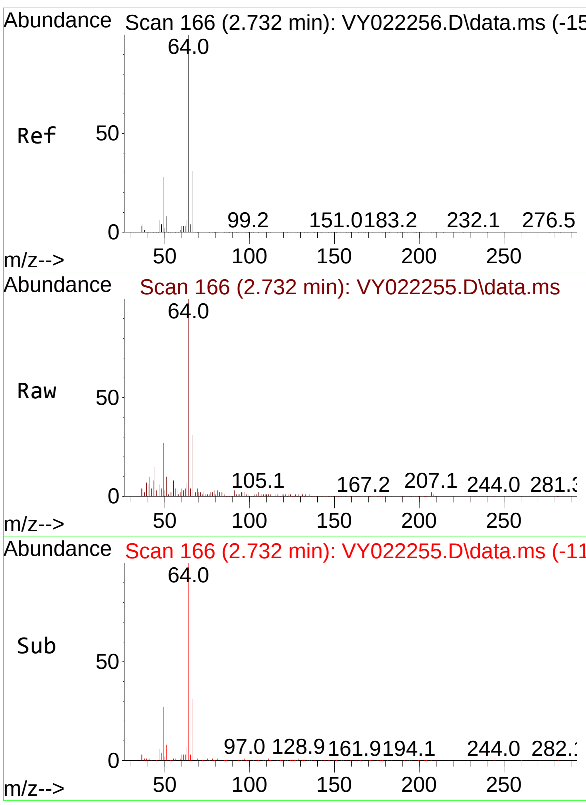
Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

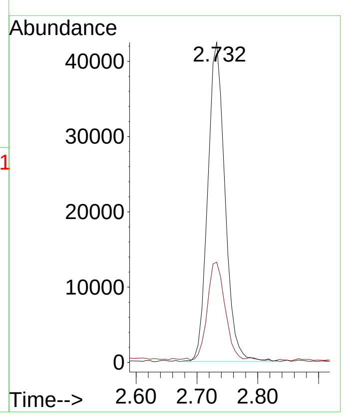




#6
Chloroethane
Concen: 20.877 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 64 Resp: 83451

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.8	37.2



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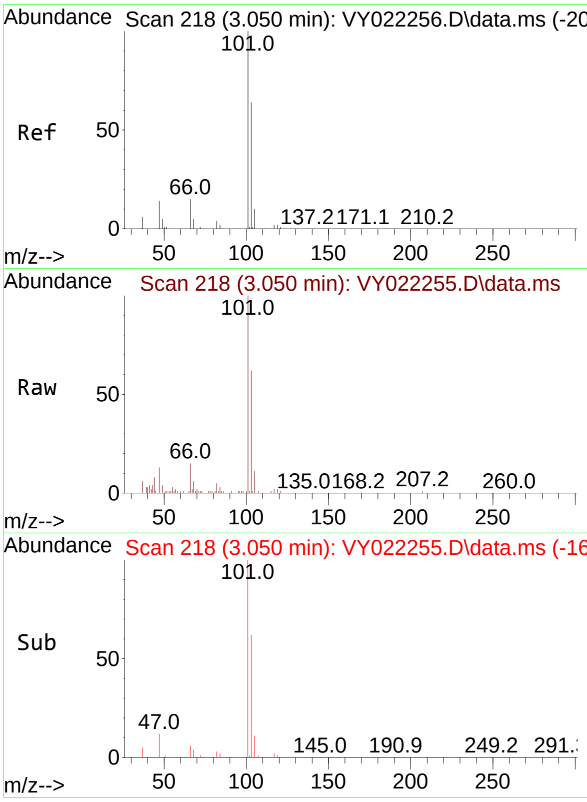

#7
Trichlorofluoromethane
Concen: 20.295 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 13202

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.7	77.5

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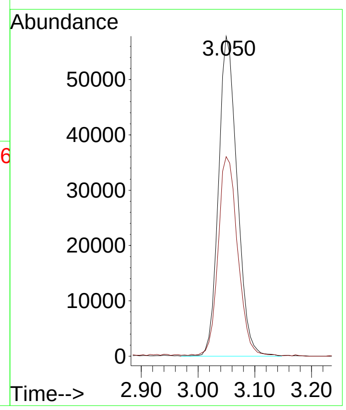
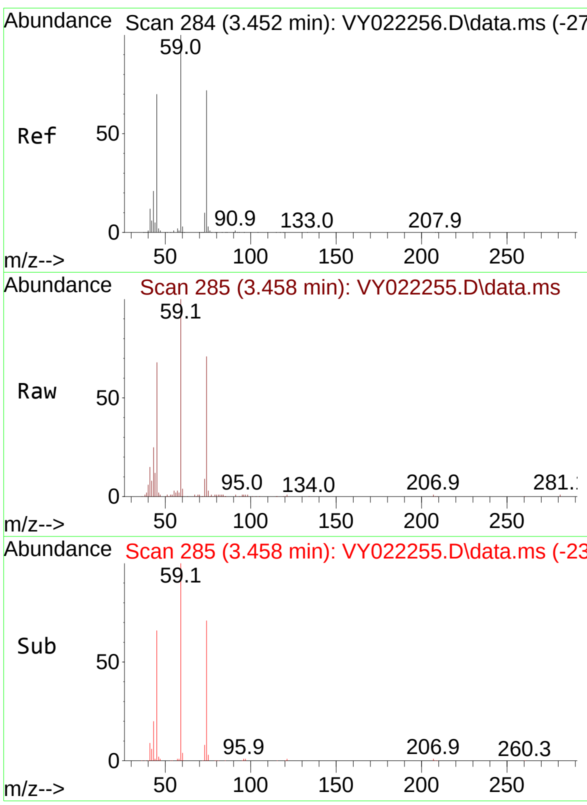
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

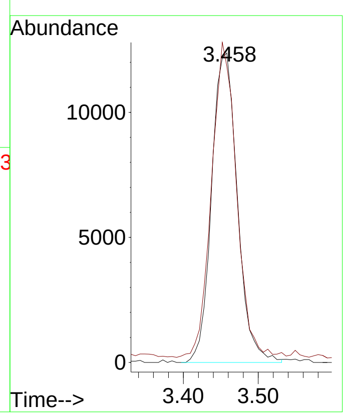


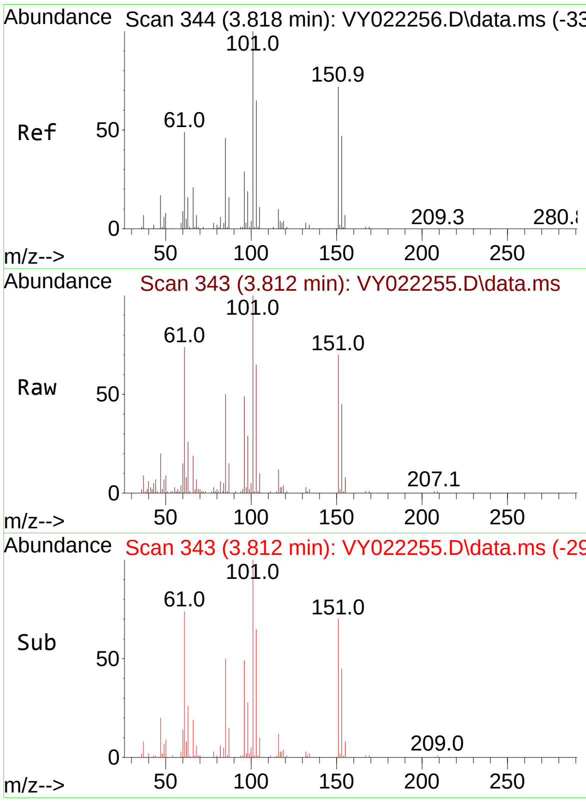


#8
Diethyl Ether
Concen: 18.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 74 Resp: 29651

Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.187 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 5701

Ion	Ratio	Lower	Upper
101	100		
85	47.7	38.6	58.0
151	71.9	59.7	89.5

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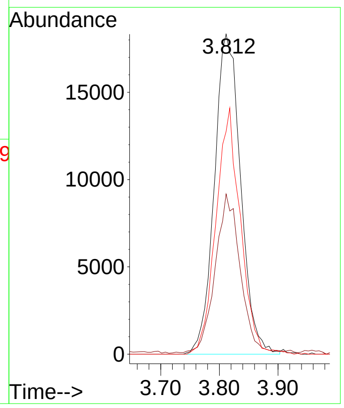
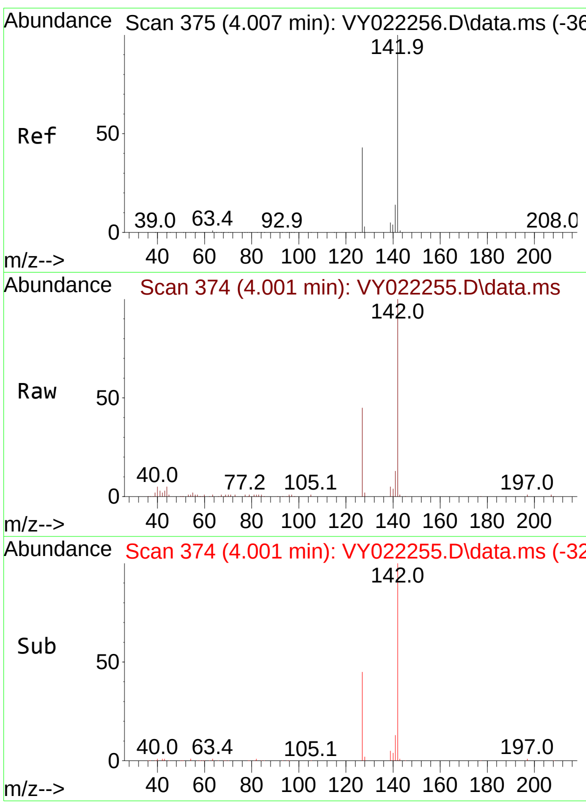
Supervised By :Semsettin Yesilyurt 05/16/2025

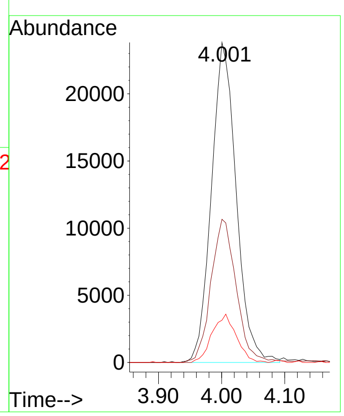


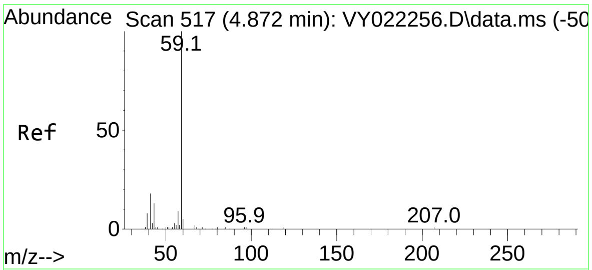


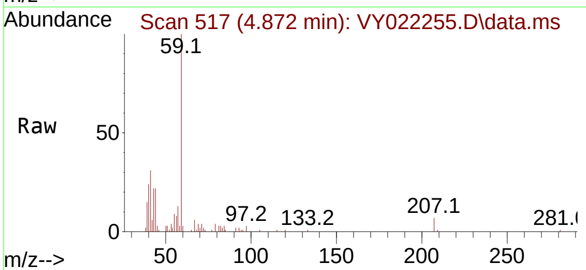
#10
Methyl Iodide
Concen: 19.891 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

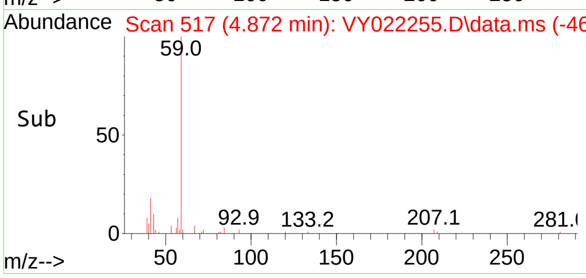
Tgt Ion:142 Resp: 65018

Ion	Ratio	Lower	Upper
142	100		
127	45.5	35.7	53.5
141	14.8	11.1	16.7









#11
Tert butyl alcohol
Concen: 89.565 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 1958

Ion	Ratio	Lower	Upper
59	100		
57	16.5	0.0	0.0

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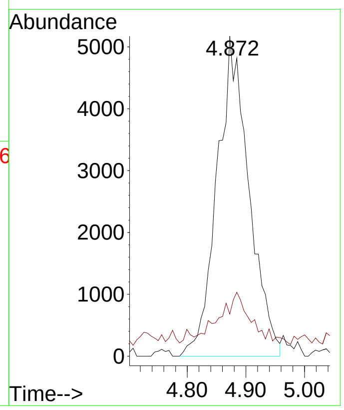
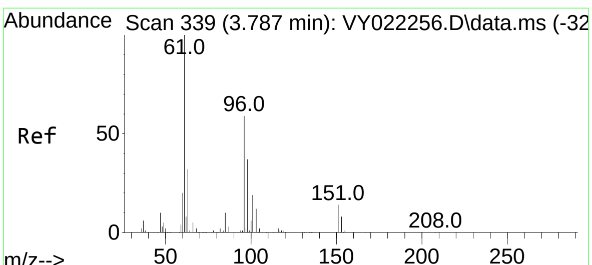
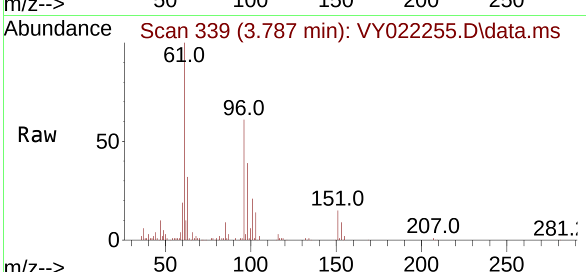
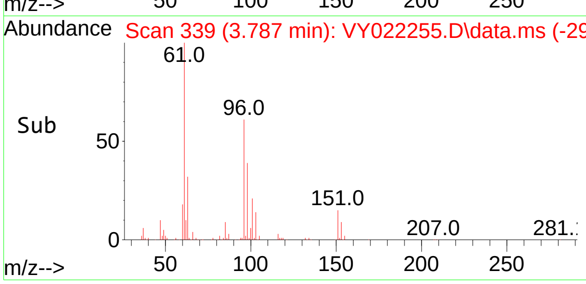
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





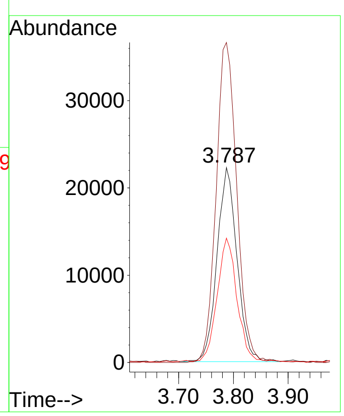




#12
1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 56630

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.9	202.3
98	63.5	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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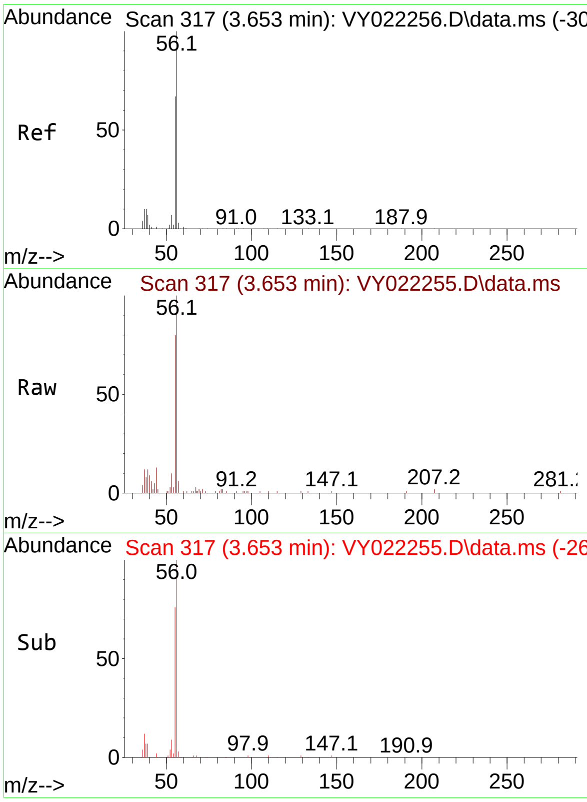
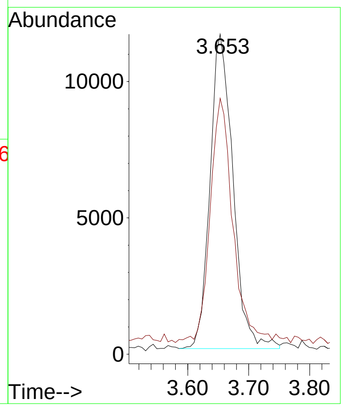
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

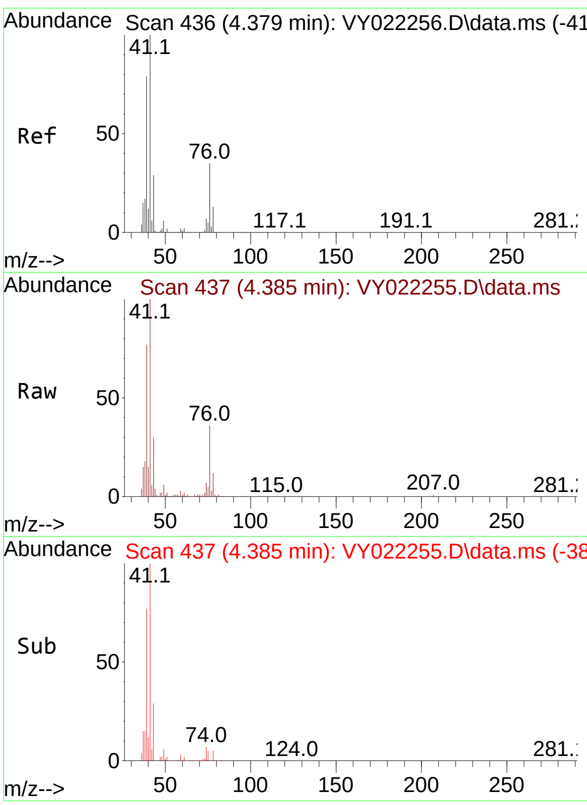


#13
Acrolein
Concen: 94.178 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 56 Resp: 3010(

Ion	Ratio	Lower	Upper
56	100		
55	76.6	55.6	83.4

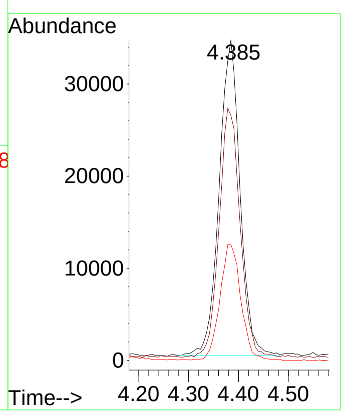




#14
Allyl chloride
Concen: 20.244 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 99483

Ion	Ratio	Lower	Upper
41	100		
39	79.7	63.4	95.0
76	37.1	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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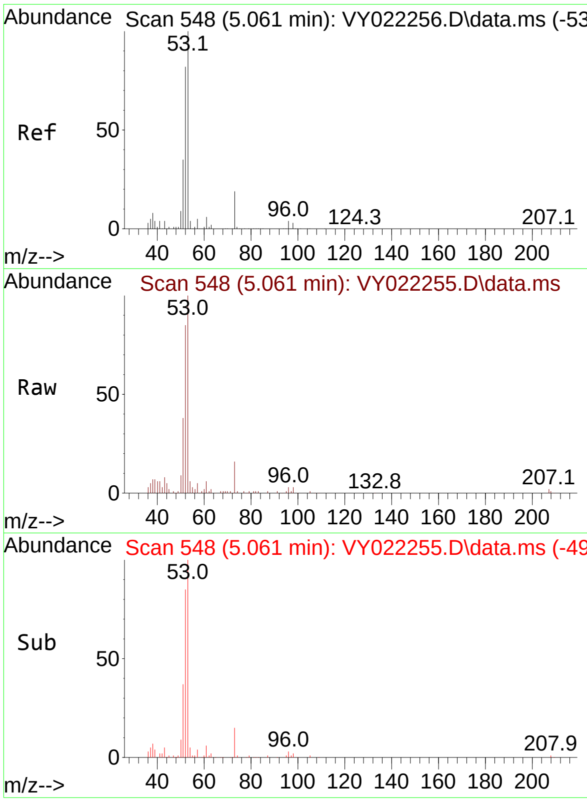
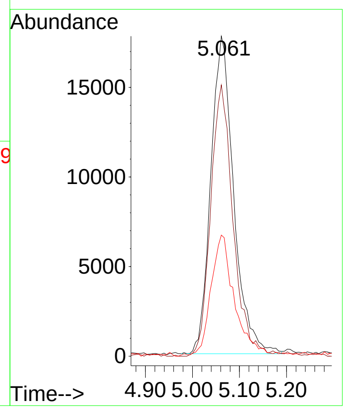
Supervised By :Semsettin Yesilyurt 05/16/2025

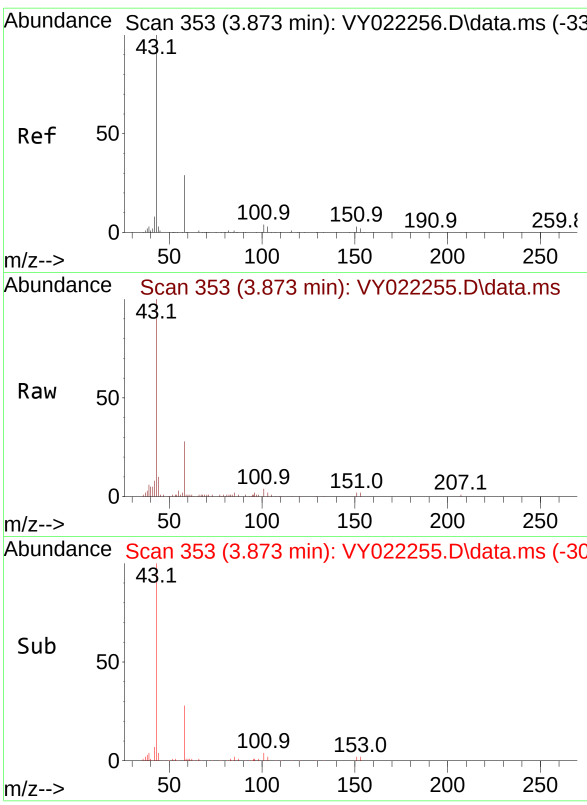


#15
Acrylonitrile
Concen: 93.456 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 53 Resp: 6011

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	37.6	30.0	45.0

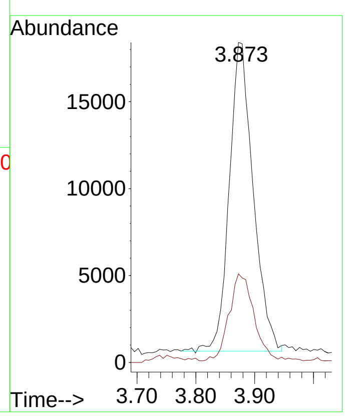


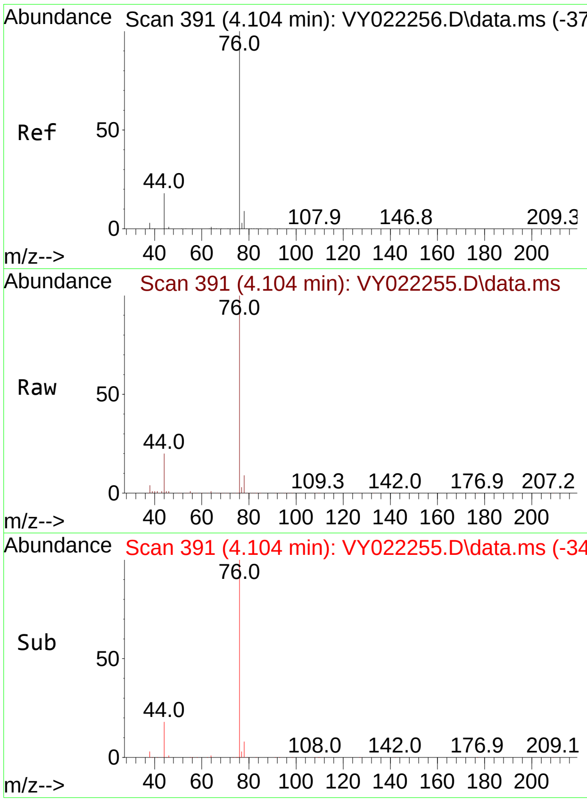


#16
Acetone
Concen: 93.491 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 50198

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.6	35.4





#17
Carbon Disulfide
Concen: 20.228 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 18486

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

Manual Integrations
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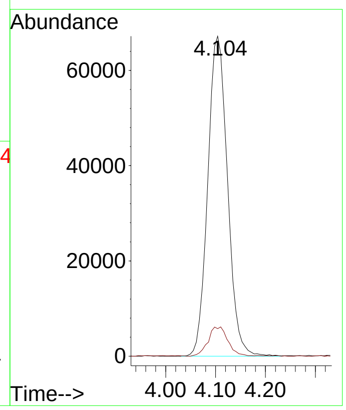
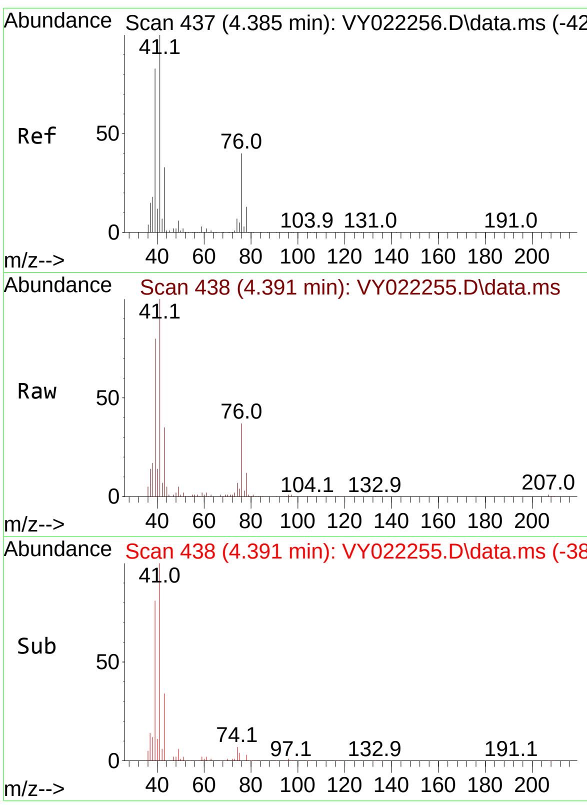
Supervised By :Semsettin Yesilyurt 05/16/2025

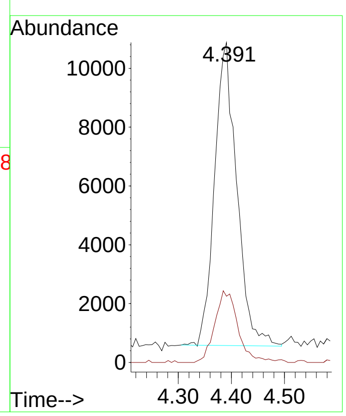


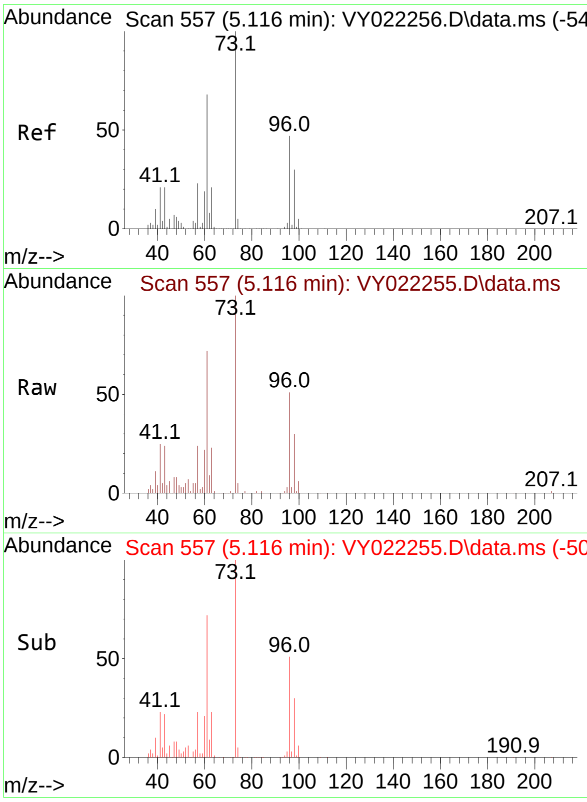


#18
Methyl Acetate
Concen: 18.344 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 29969

Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.2	27.4





#19
Methyl tert-butyl Ether
Concen: 18.890 ug/l
RT: 5.116 min   Scan# 5
Delta R.T.   0.000 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

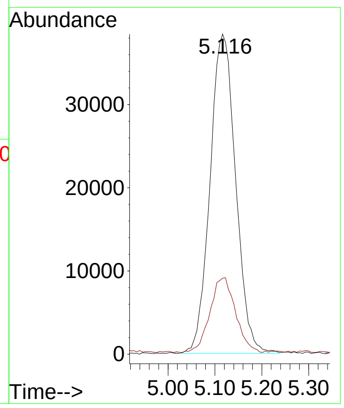
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

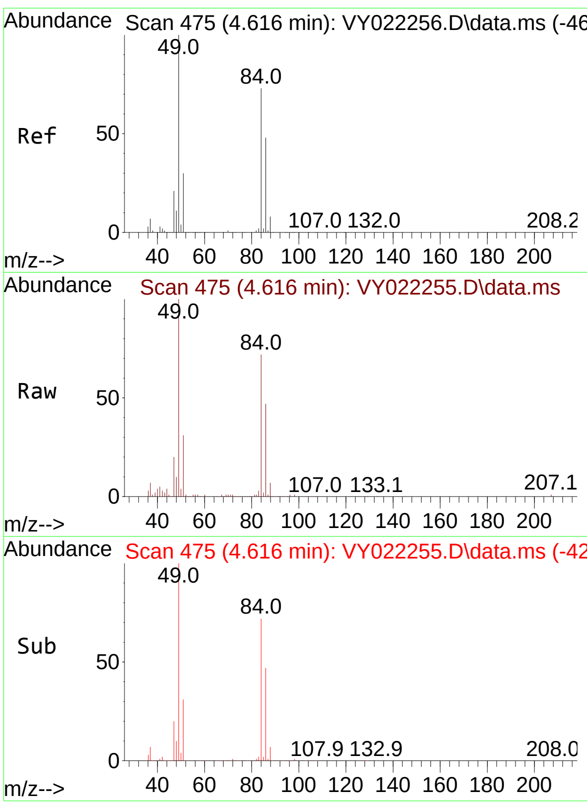
Tgt Ion: 73 Resp: 14597(

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.6	28.0

Manual Integrations APPROVED

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

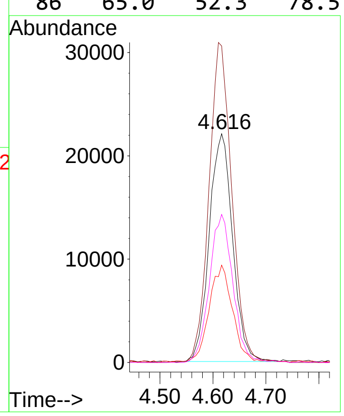




#20
Methylene Chloride
Concen: 19.510 ug/l
RT: 4.616 min   Scan# 475
Delta R.T.   0.000 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

Tgt Ion: 84 Resp: 67687

Ion	Ratio	Lower	Upper
84	100		
49	138.7	109.6	164.4
51	42.3	32.4	48.6
86	65.0	52.3	78.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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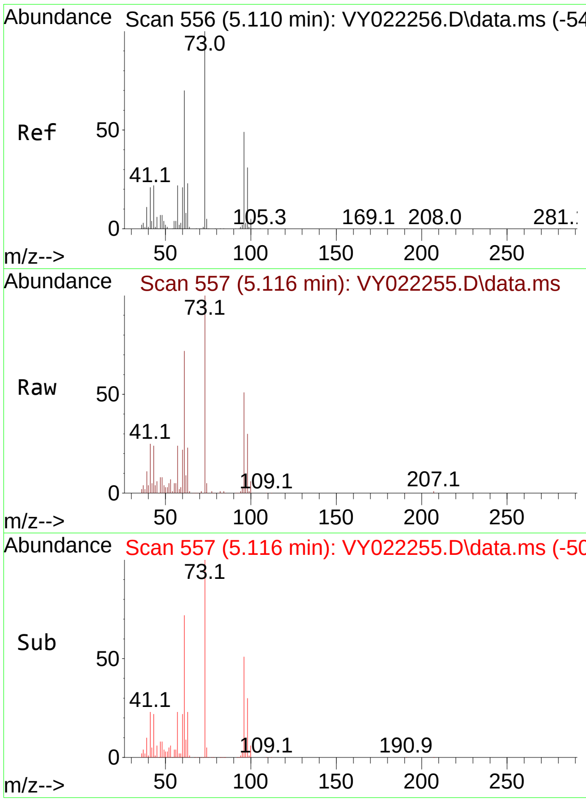
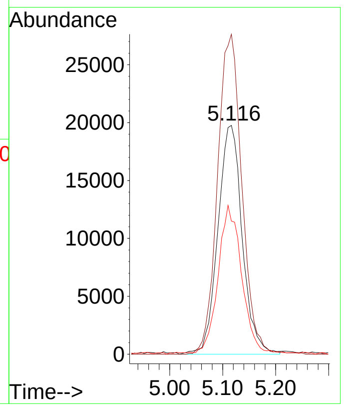
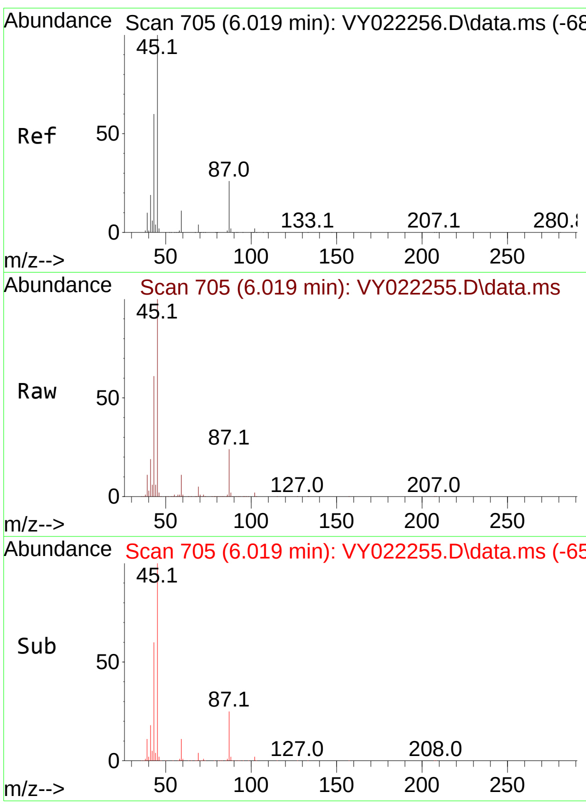


#21
trans-1,2-Dichloroethene
Concen: 20.422 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 6317

Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.4	170.0
98	57.5	50.9	76.3

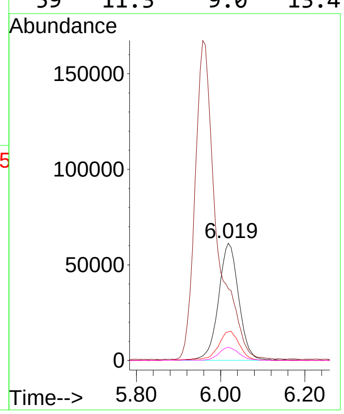




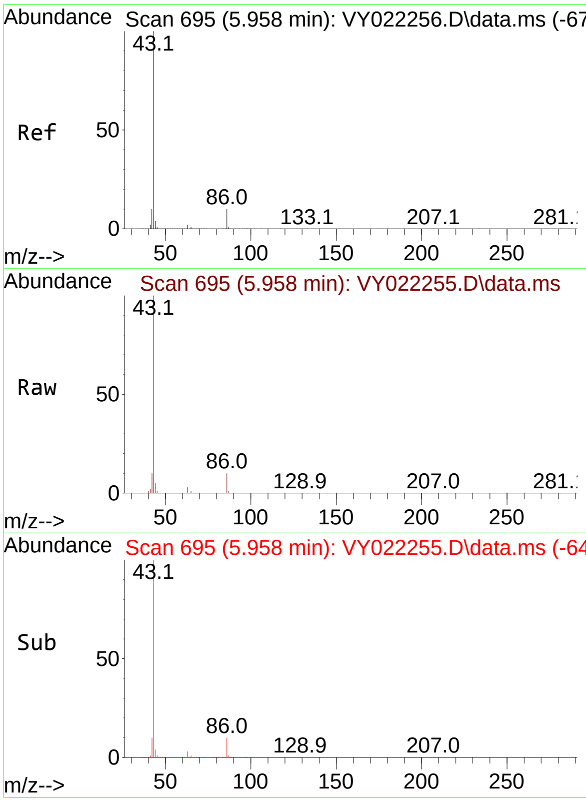
#22
Diisopropyl ether
Concen: 19.558 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 45 Resp: 202960

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	24.5	21.4	32.0
59	11.3	9.0	13.4



ICAL Form



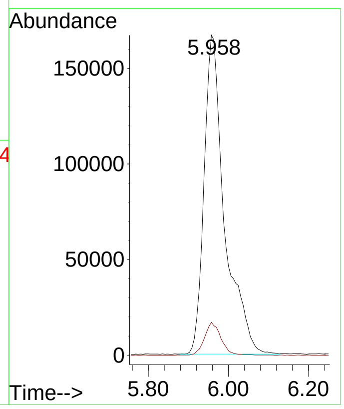
#23
Vinyl Acetate
Concen: 94.748 ug/l
RT: 5.958 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

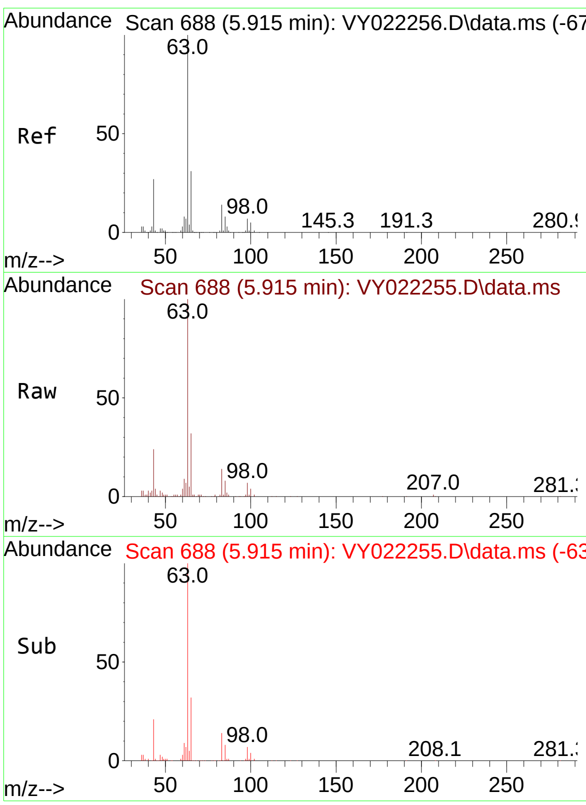
Tgt Ion: 43 Resp: 594019

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

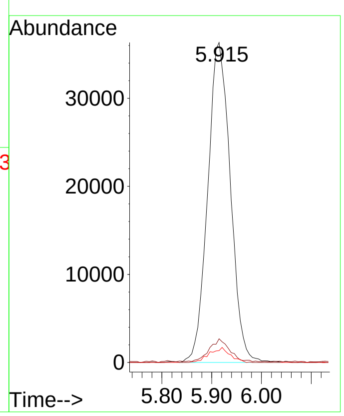


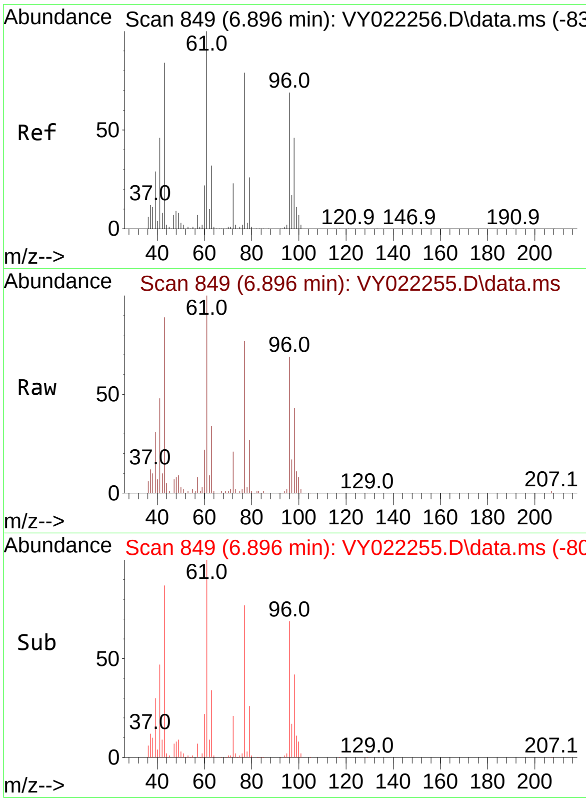


#24
1,1-Dichloroethane
Concen: 19.873 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 115217

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	3.7	2.4	7.2





#25
2-Butanone
Concen: 92.157 ug/l
RT: 6.896 min   Scan# 84
Delta R.T.   0.000 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 8276

Ion	Ratio	Lower	Upper
43	100		
72	24.1	22.1	33.1

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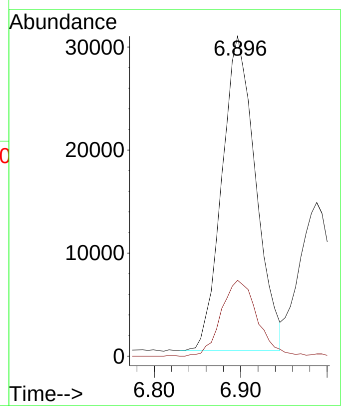
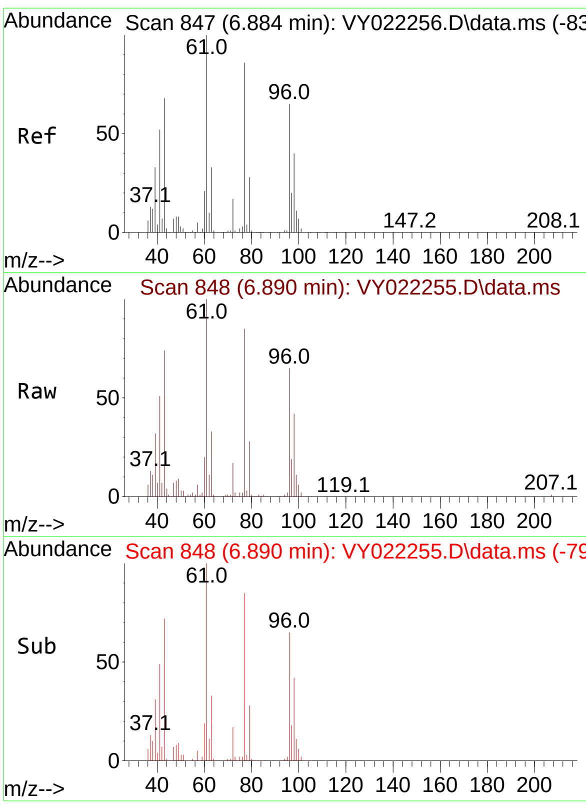
Supervised By :Semsettin Yesilyurt   05/16/2025

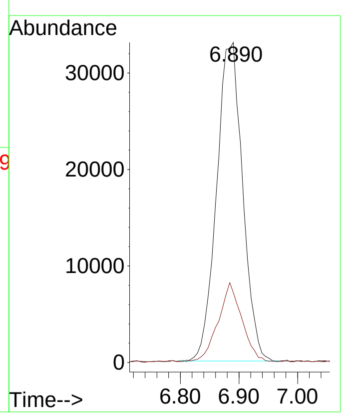




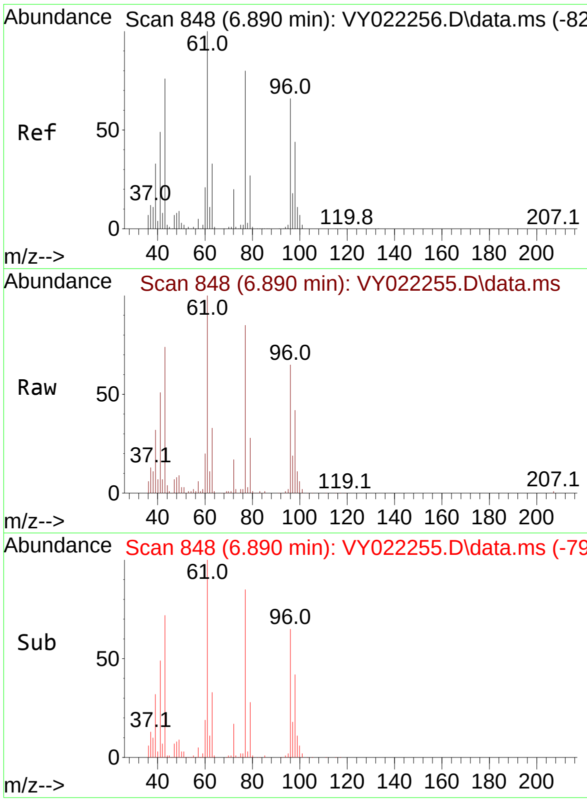
#26
2,2-Dichloropropane
Concen: 19.727 ug/l
RT: 6.890 min   Scan# 848
Delta R.T.   0.006 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

Tgt Ion: 77 Resp: 101725

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5



ICAL Form



#27
cis-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 7000

Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	302.6
98	64.1	0.0	128.8

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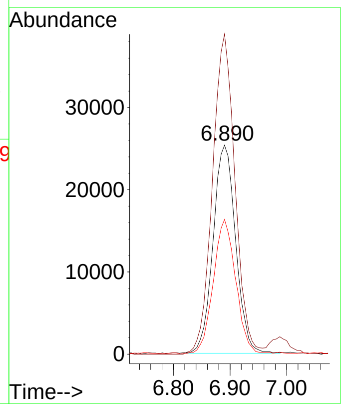
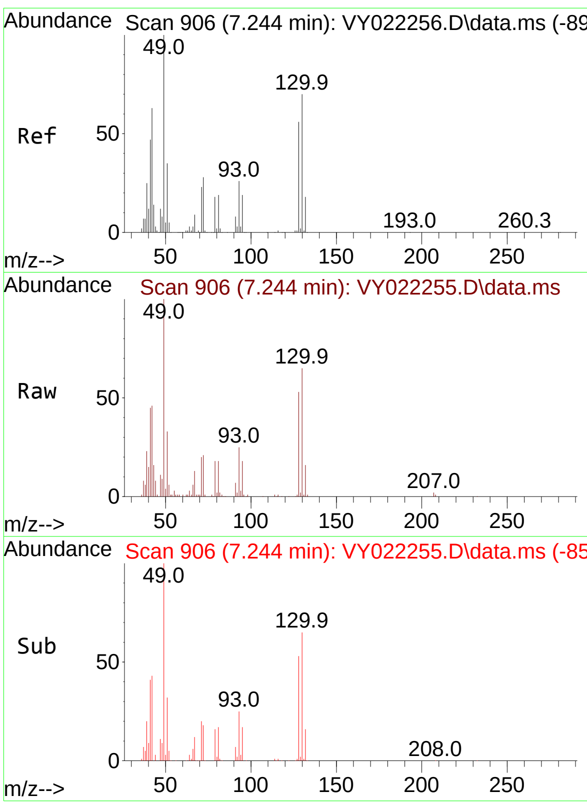
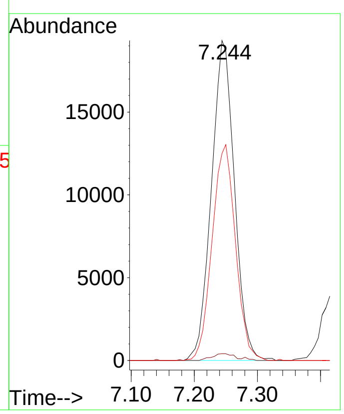


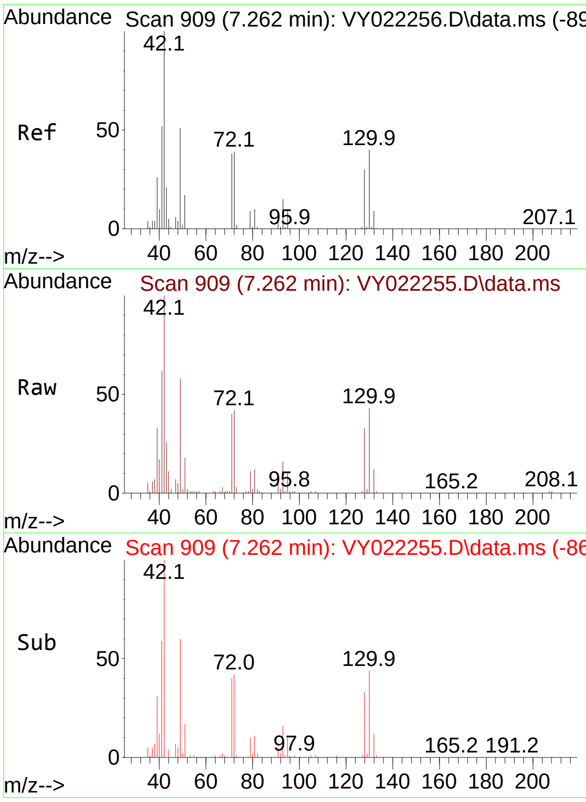


#28
Bromochloromethane
Concen: 19.787 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 49 Resp: 48933

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	68.4	54.7	82.1





#29
Tetrahydrofuran
Concen: 92.122 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 5322

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	41.5	31.5	47.3

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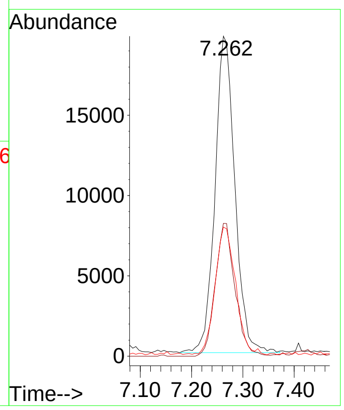
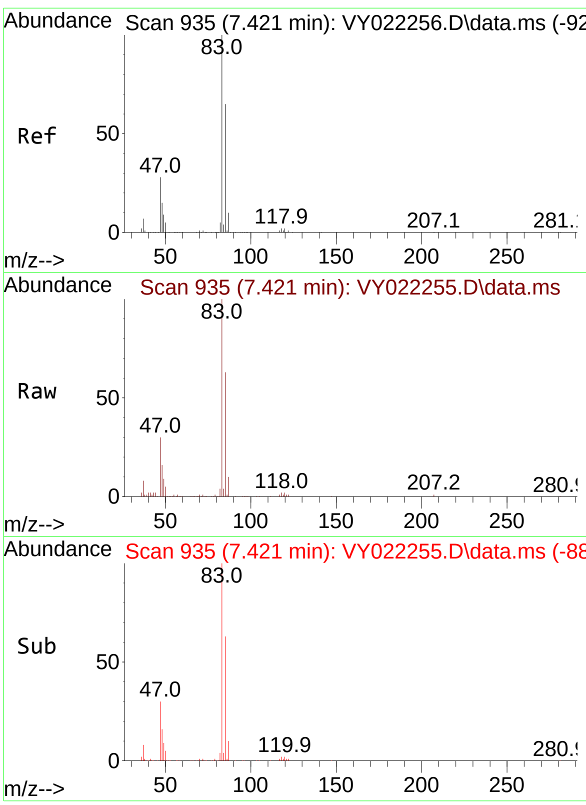
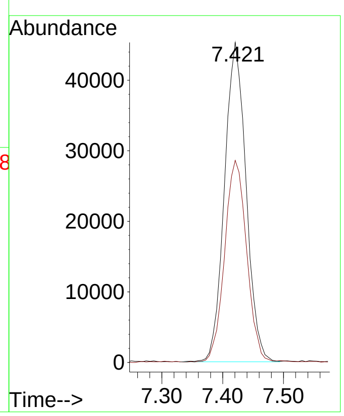




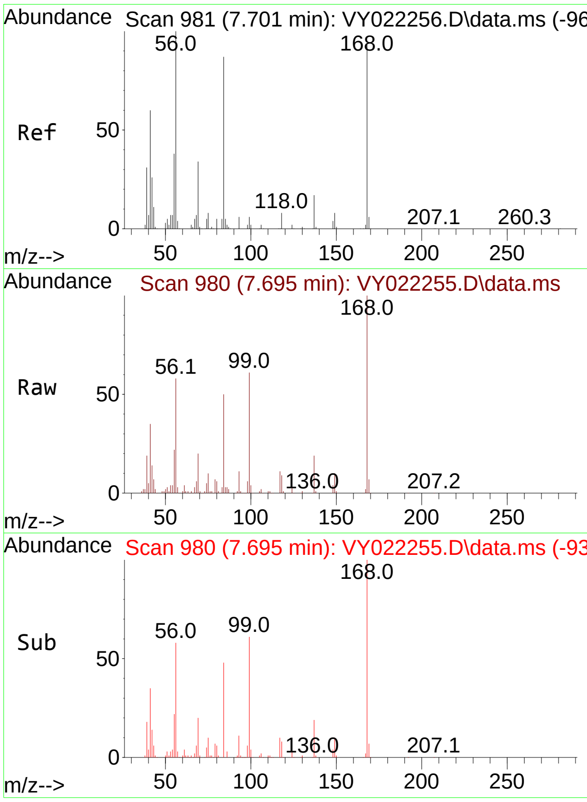
#30
Chloroform
Concen: 20.107 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 111815

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8



ICAL Form




```
#31
Cyclohexane
Concen:   19.486 ug/l
RT:   7.695 min  Scan# 9
Delta R.T.  -0.006 min
Lab File:   VY022255.D
Acq: 15 May 2025  10:39

Tgt Ion: 56 Resp:  11287
Ion  Ratio  Lower  Upper
 56  100
 69   34.2   27.4   41.2
 84   84.0   70.0  105.0
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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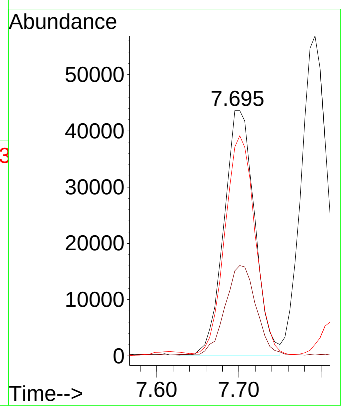
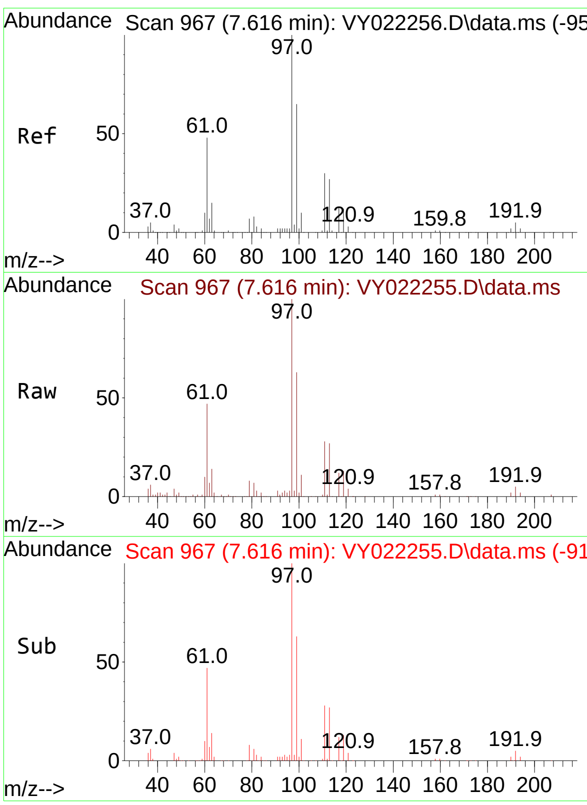
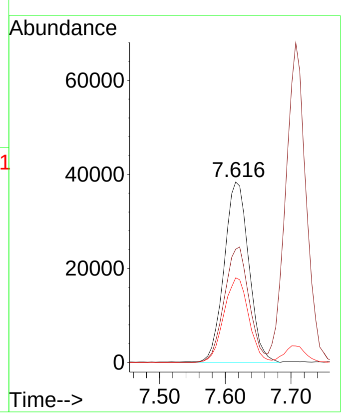
Supervised By :Semsettin Yesilyurt 05/16/2025

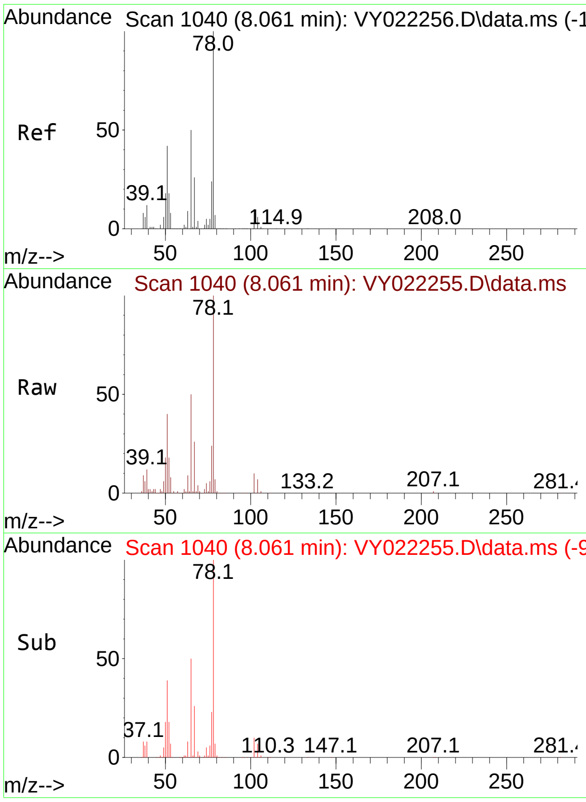





```
#32
1,1,1-Trichloroethane
Concen:   19.721 ug/l
RT:   7.616 min  Scan# 967
Delta R.T.  0.000 min
Lab File:   VY022255.D
Acq: 15 May 2025  10:39

Tgt Ion: 97 Resp:  100618
Ion  Ratio  Lower  Upper
 97  100
 99   64.5   51.4   77.0
 61   47.2   38.1   57.1
```





#33
1,2-Dichloroethane-d4
Concen: 19.284 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 5522

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.6

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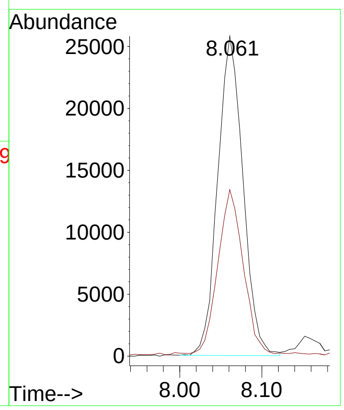
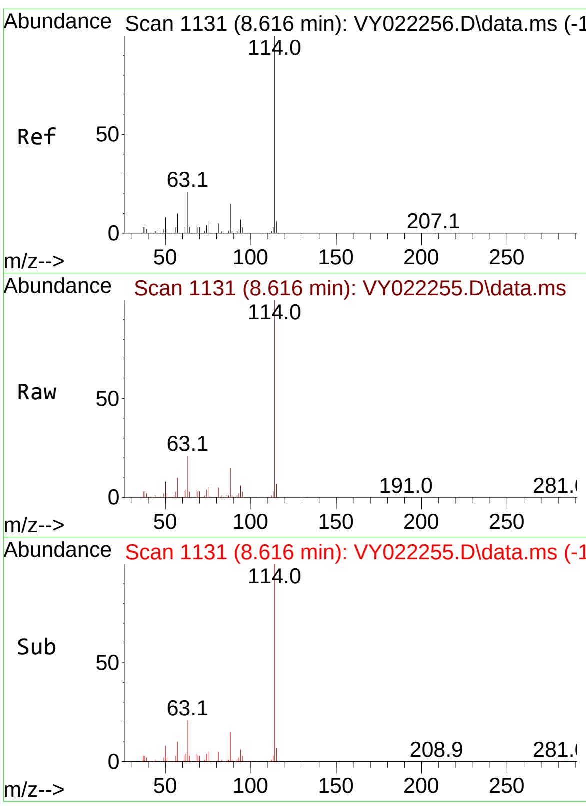
Supervised By :Semsettin Yesilyurt 05/16/2025

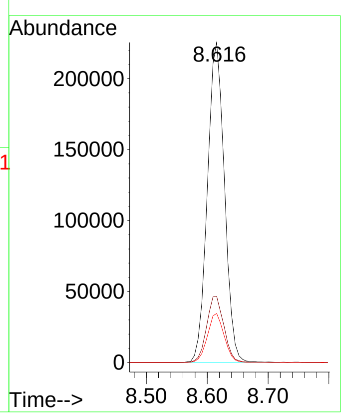




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:114 Resp: 439816

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.3	0.0	29.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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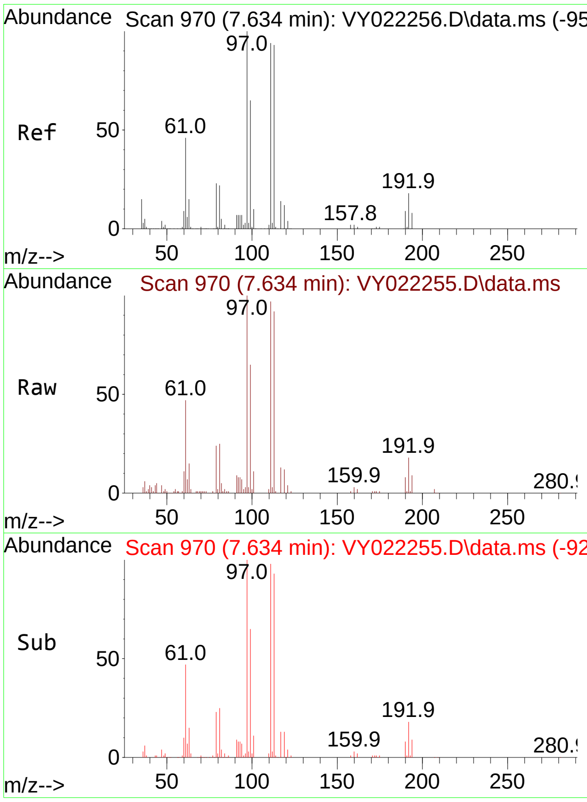
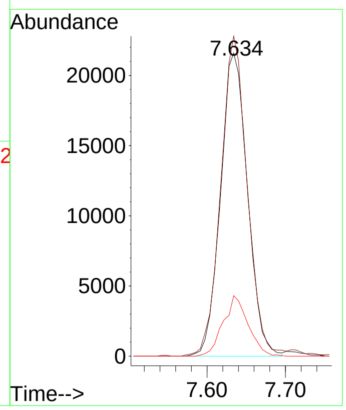
Supervised By :Semsettin Yesilyurt 05/16/2025

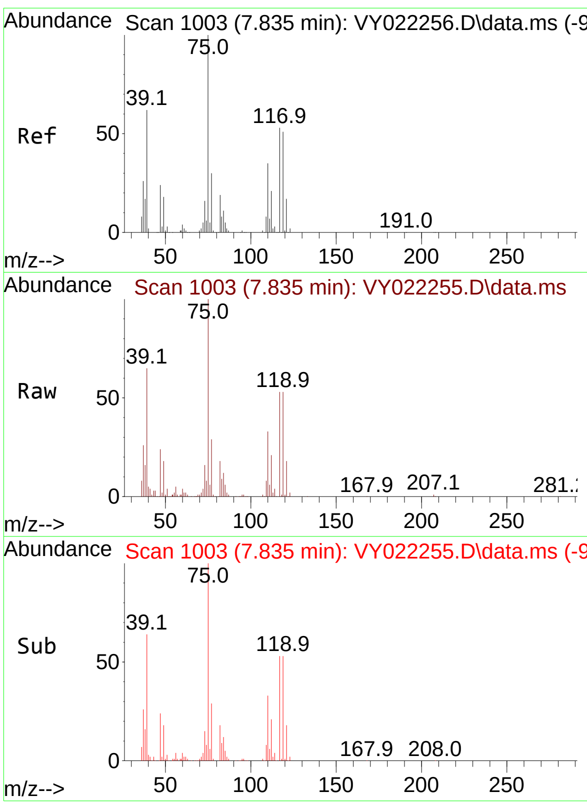


#35
Dibromofluoromethane
Concen: 19.683 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:113 Resp: 5167

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.5	15.2	22.8

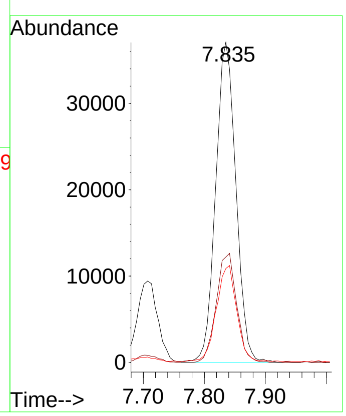




#36
1,1-Dichloropropene
Concen: 19.841 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 85789

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.6	49.8
77	30.2	24.6	37.0



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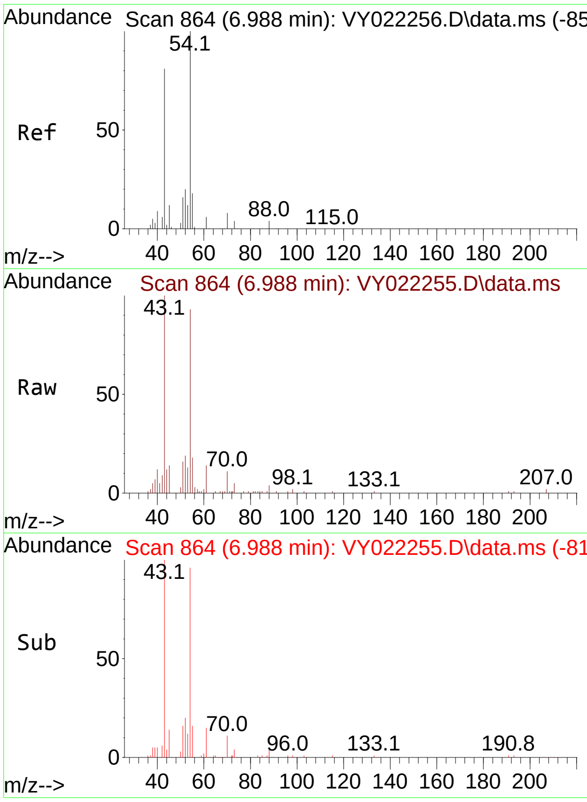

#37
Ethyl Acetate
Concen: 18.497 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 3848

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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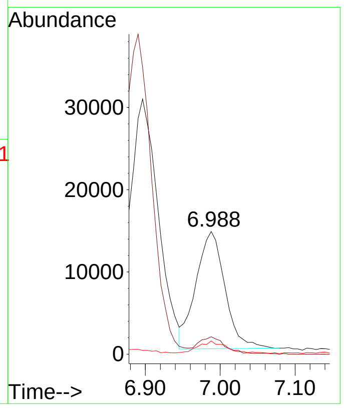
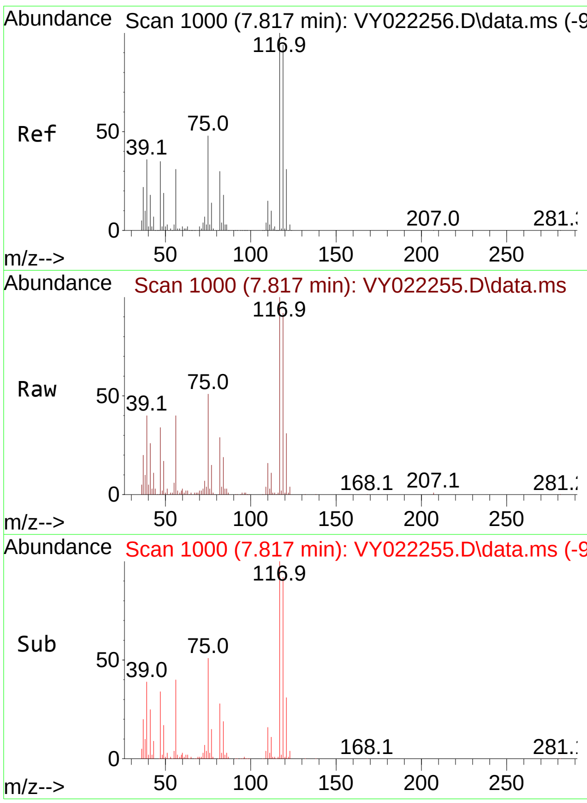
Supervised By :Semsettin Yesilyurt 05/16/2025

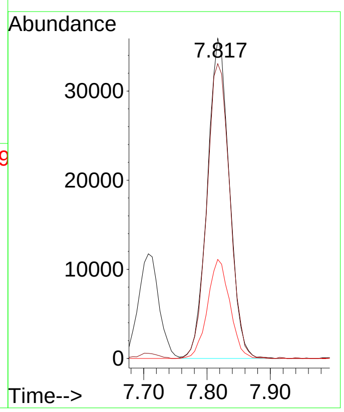


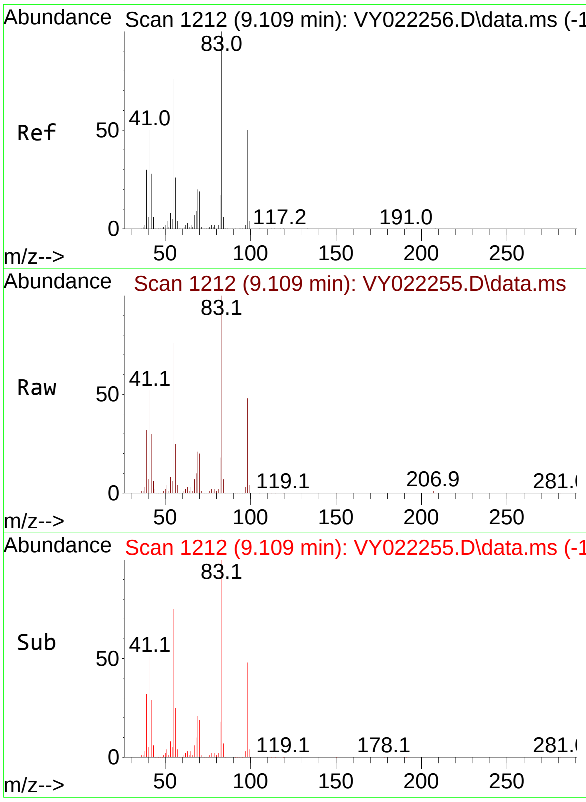


#38
Carbon Tetrachloride
Concen: 19.410 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 86871

Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.3	112.9
121	31.0	24.7	37.1





#39
Methylcyclohexane
Concen: 19.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 11351

Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.6	90.8
98	47.9	40.0	60.0

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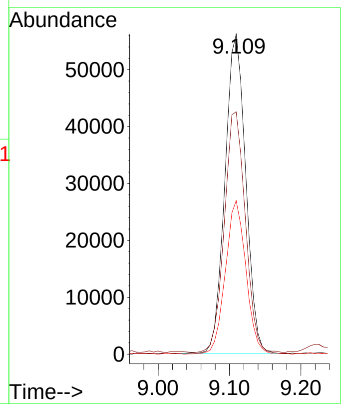
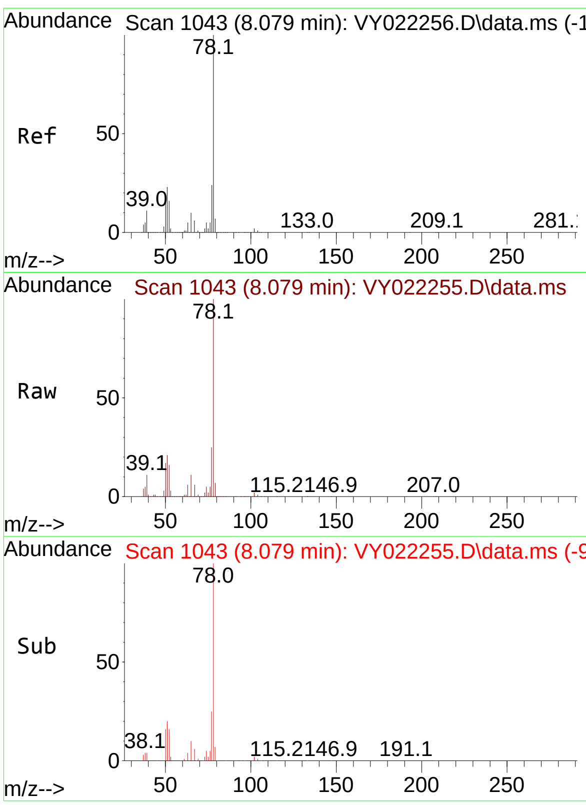
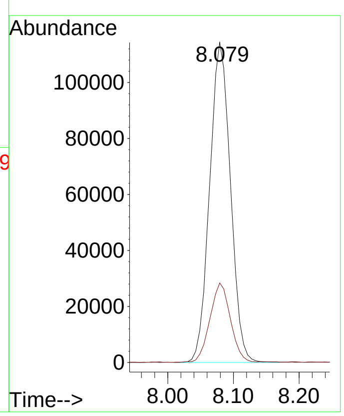




#40
Benzene
Concen: 19.700 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 78 Resp: 252507

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3



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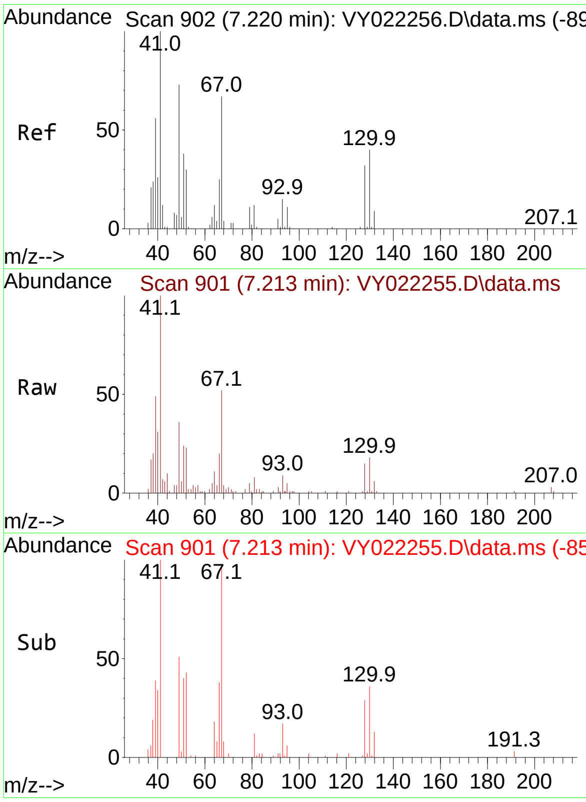
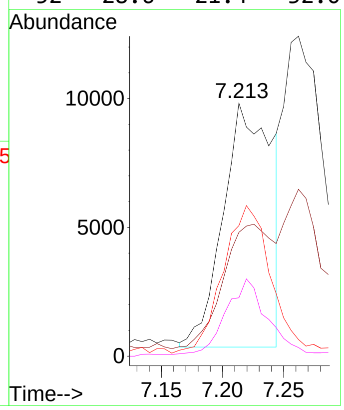


#41
Methacrylonitrile
Concen: 17.085 ug/l m
RT: 7.213 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 26008

Ion	Ratio	Lower	Upper
41	100		
39	53.1	39.1	58.7
67	60.9	47.1	70.7
52	28.6	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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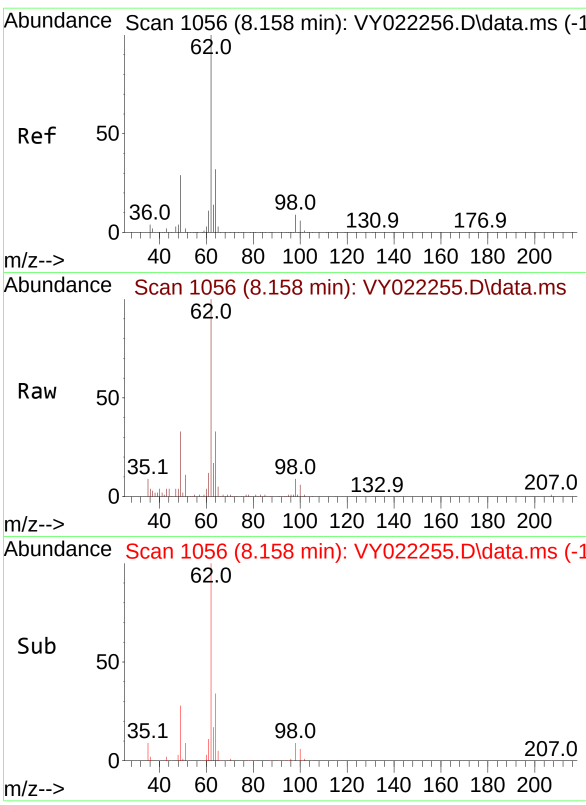
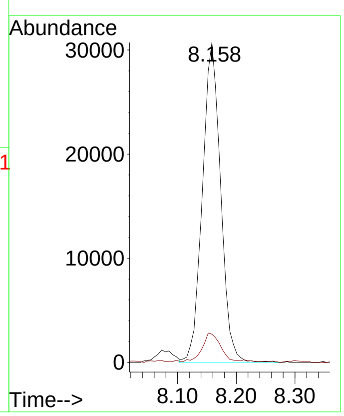
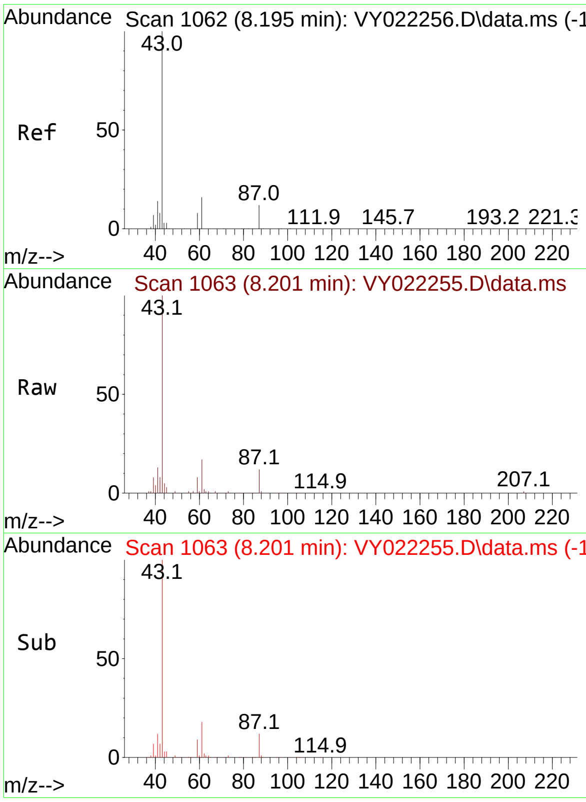


#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 66525

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43
Isopropyl Acetate
Concen: 18.631 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 8453

Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.1	22.7
87	12.3	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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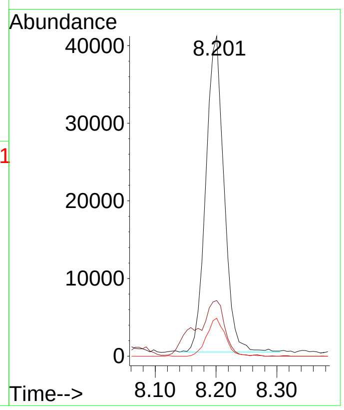
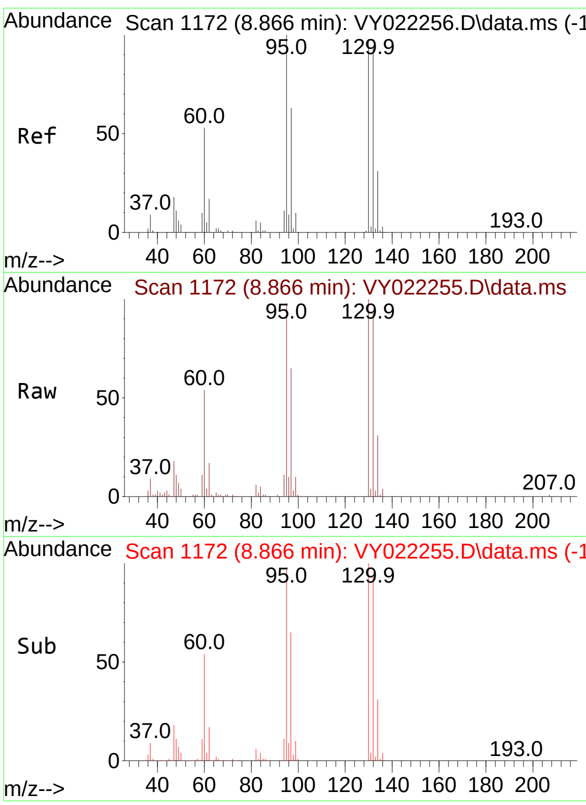
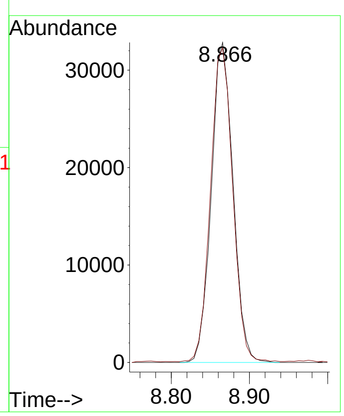


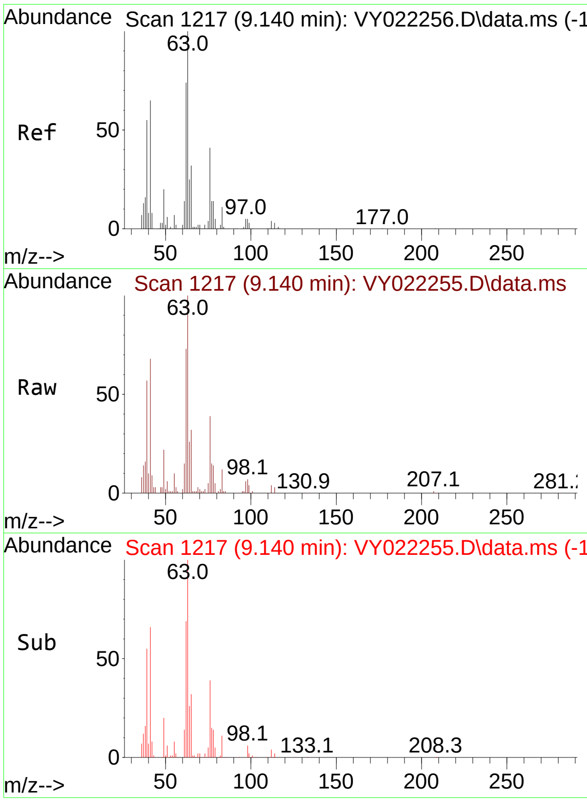


#44
Trichloroethene
Concen: 19.904 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:130 Resp: 63438

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	204.8





#45
1,2-Dichloropropane
Concen: 19.557 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 6043

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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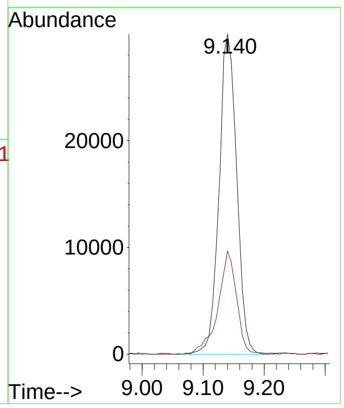
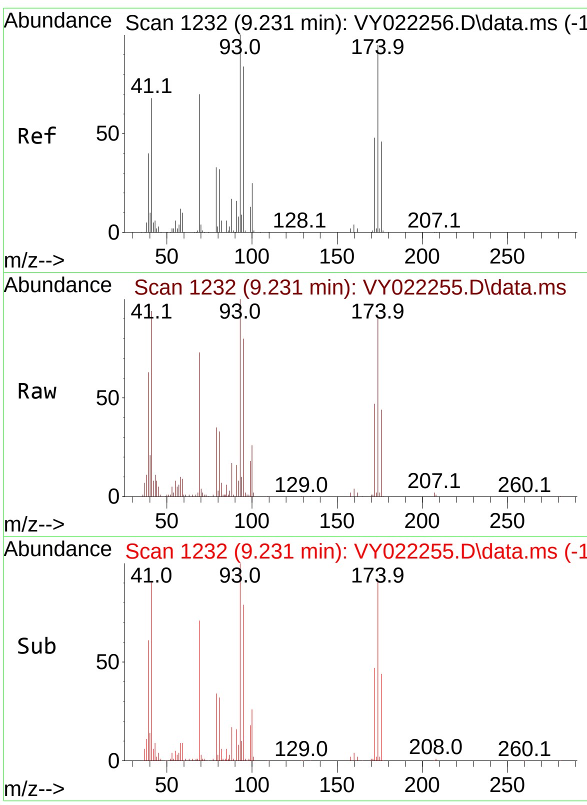
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

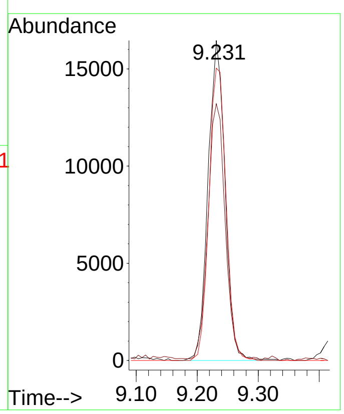


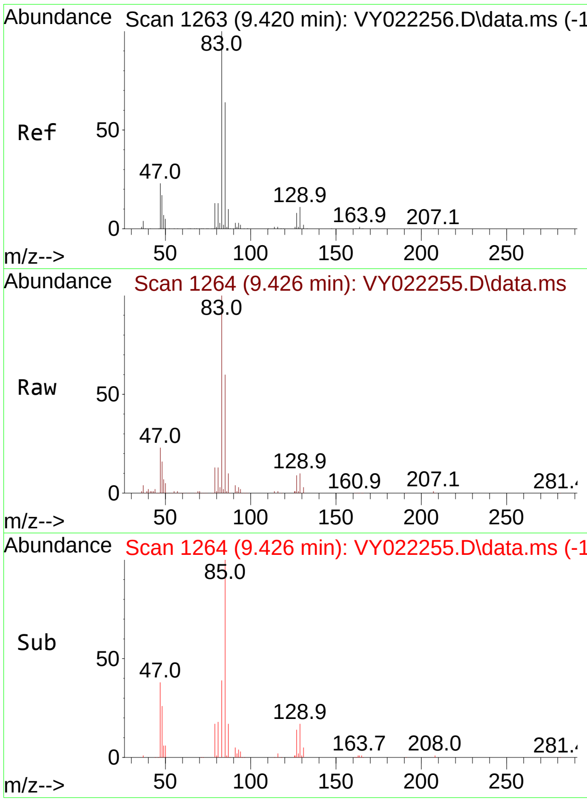


#46
Dibromomethane
Concen: 19.050 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 93 Resp: 31752

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.2	97.8
174	92.4	74.3	111.5





#47
Bromodichloromethane
Concen: 19.385 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 8382

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.1	76.7
127	8.5	6.6	10.0

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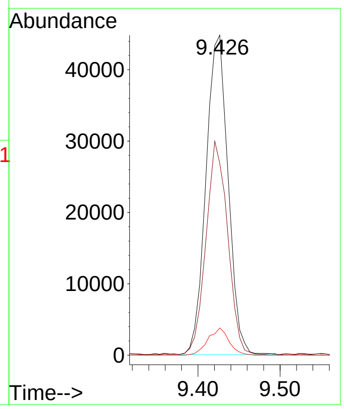
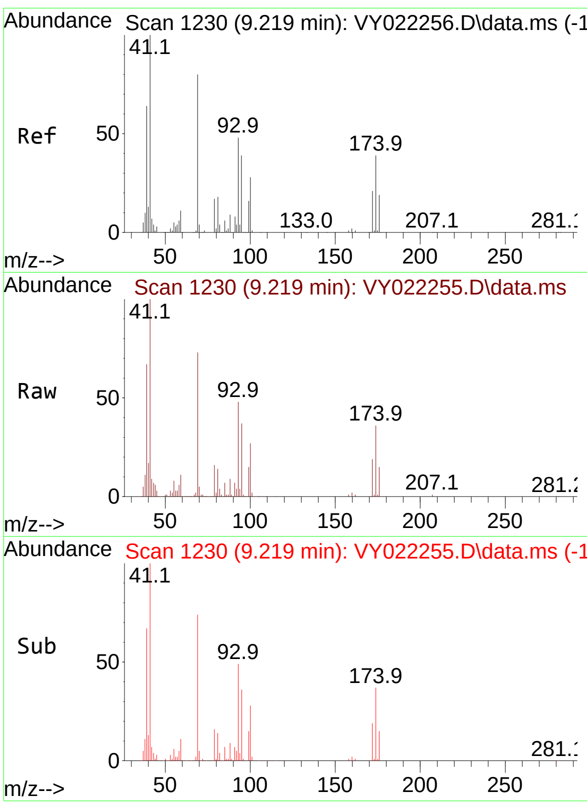
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

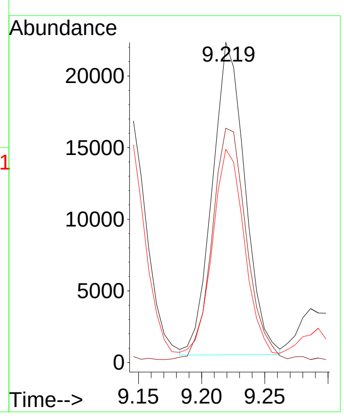




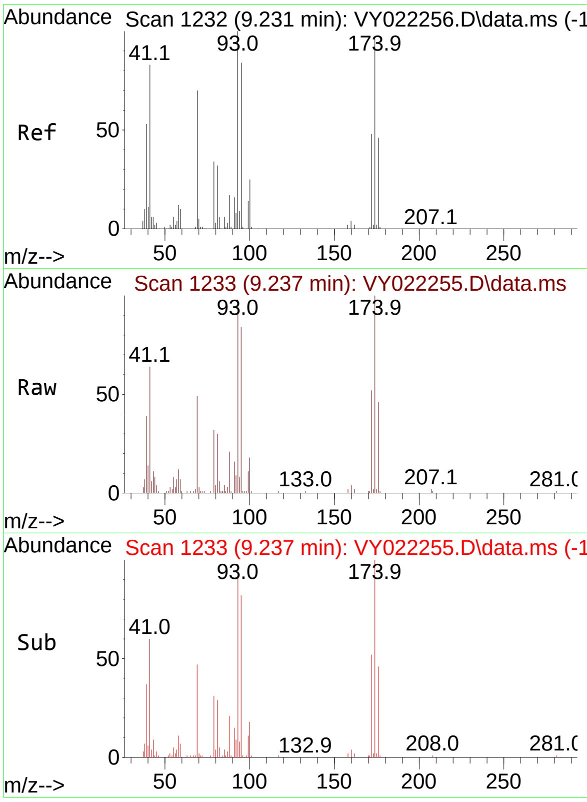
#48
Methyl methacrylate
Concen: 18.563 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 39387

Ion	Ratio	Lower	Upper
41	100		
69	77.5	63.5	95.3
39	63.4	50.8	76.2



ICAL Form



#49
1,4-Dioxane
Concen: 388.323 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 88 Resp: 731

Ion	Ratio	Lower	Upper
88	100		
43	31.6	28.5	42.7
58	71.1	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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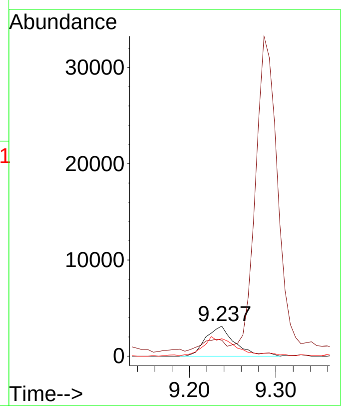
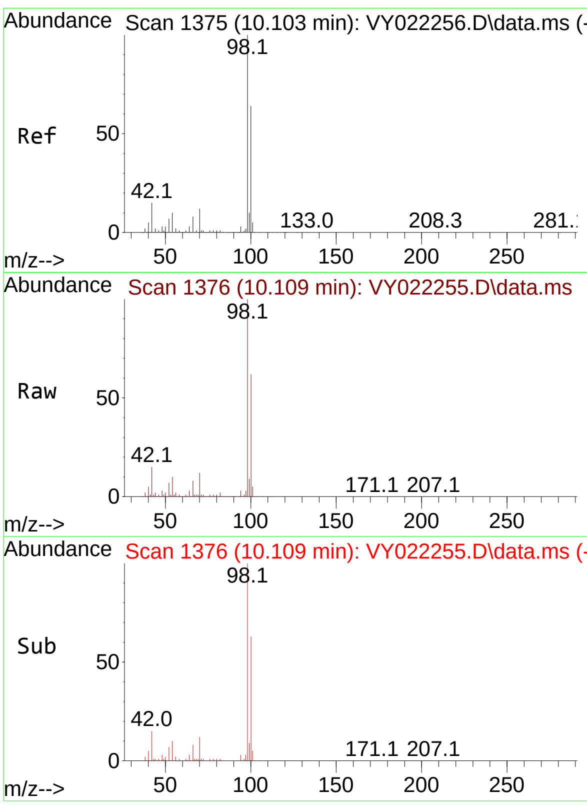
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

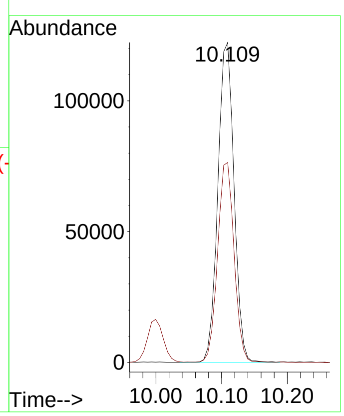




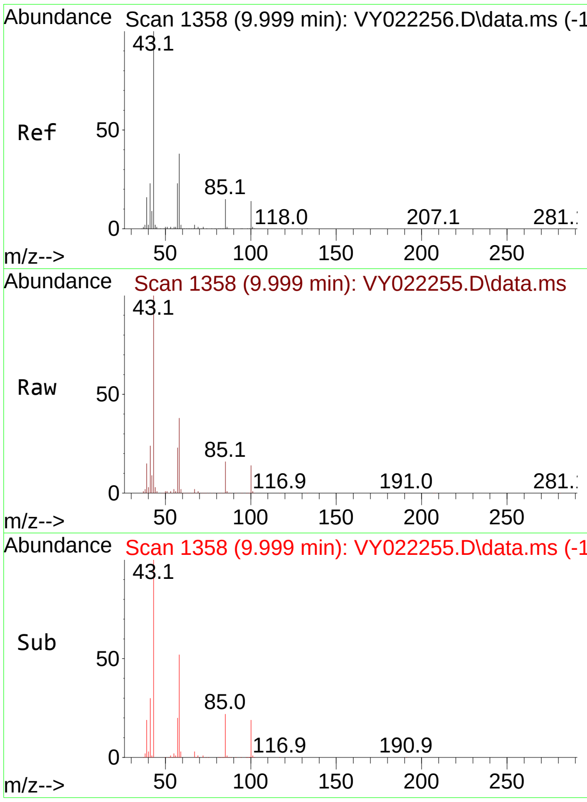
#50
Toluene-d8
Concen: 19.552 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 98 Resp: 210206

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8



ICAL Form



#51
4-Methyl-2-Pentanone
Concen: 90.940 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 20245
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2

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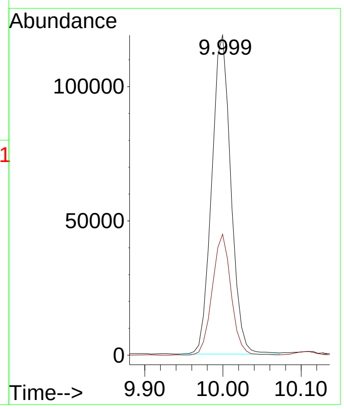
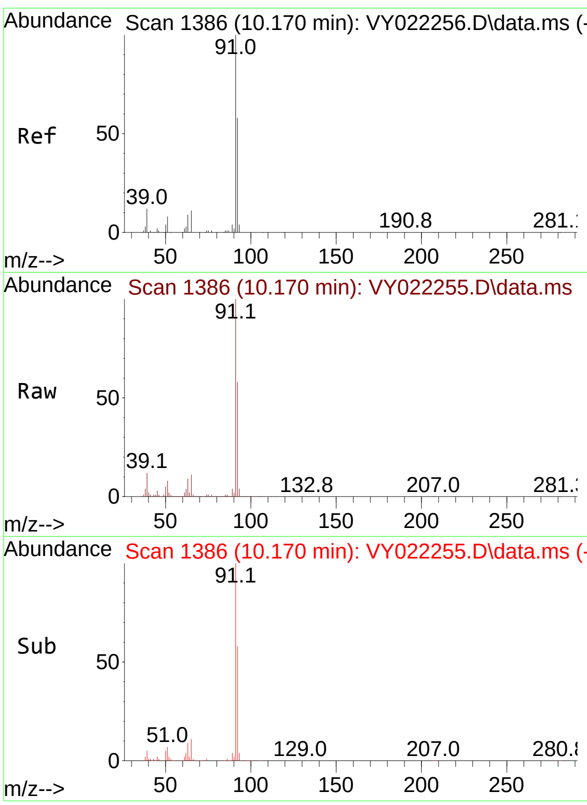
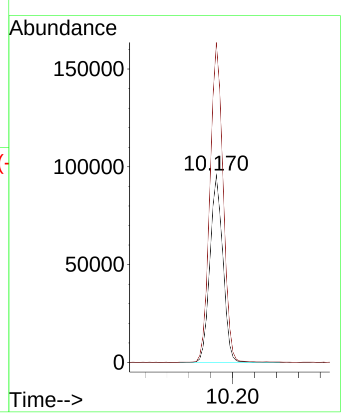
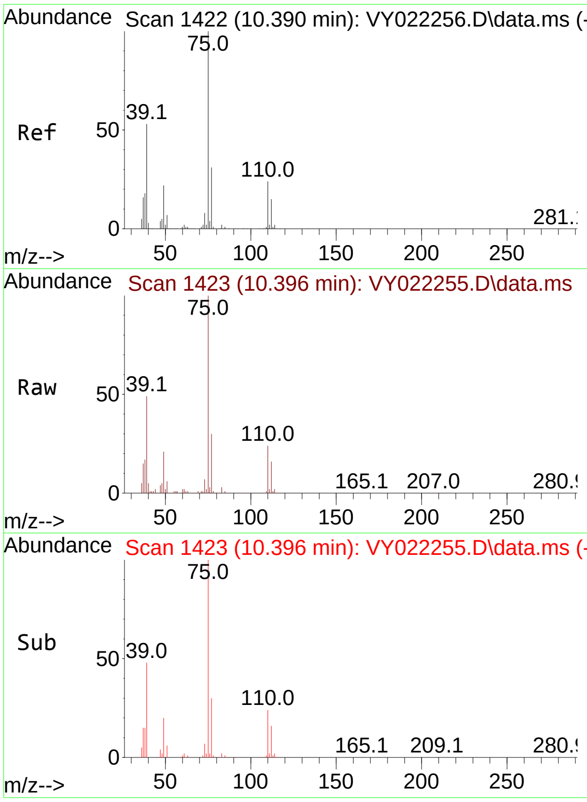




#52
Toluene
Concen: 19.281 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 92 Resp: 156498
Ion Ratio Lower Upper
92 100
91 173.5 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8041

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.0	37.6

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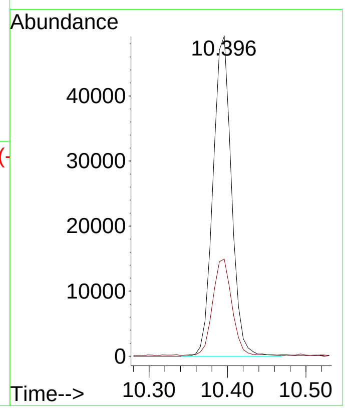
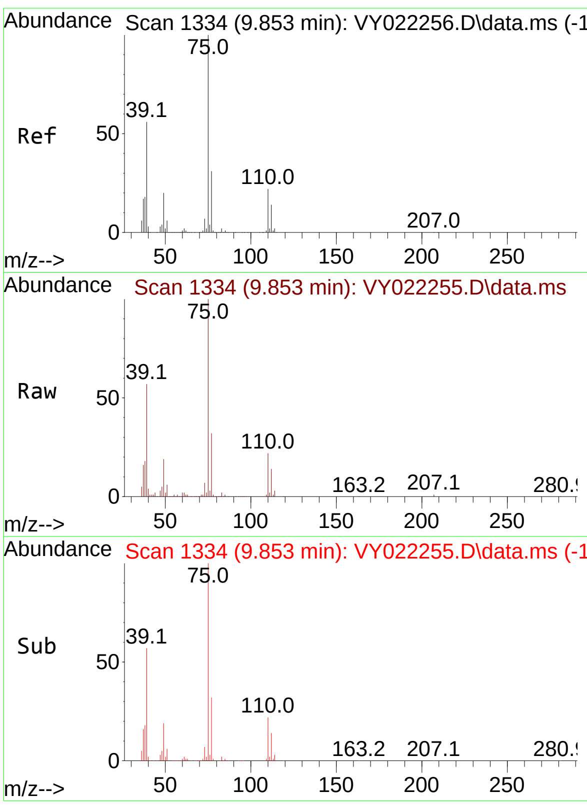
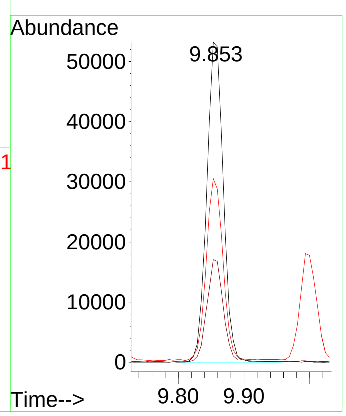




#54
cis-1,3-Dichloropropene
Concen: 19.458 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 94074

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.6	44.5	66.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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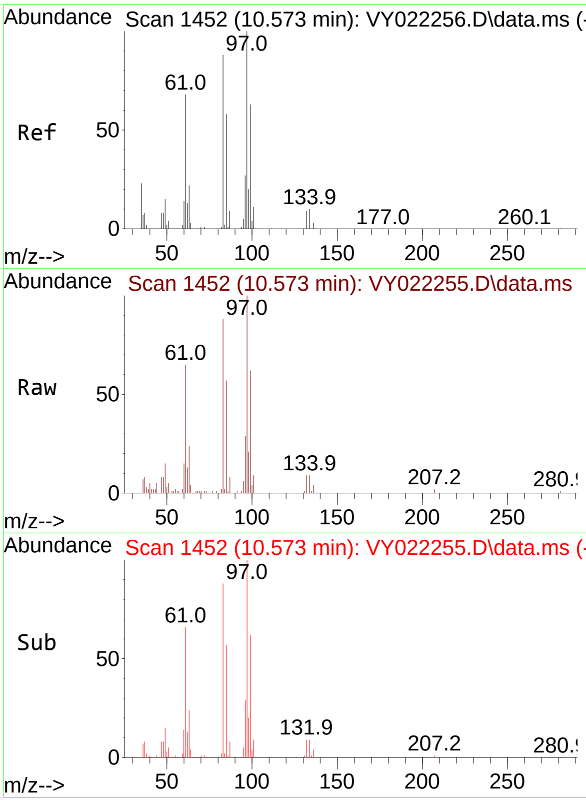
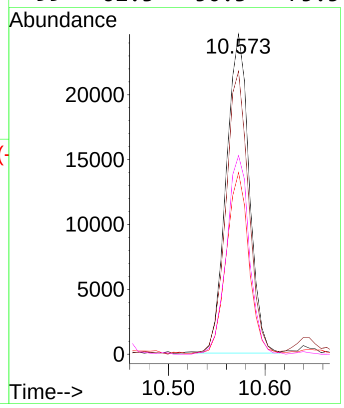
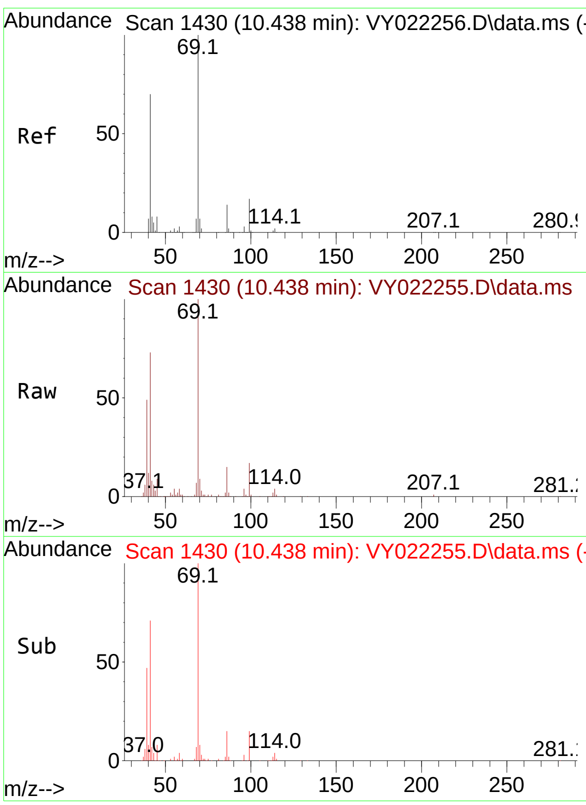


#55
1,1,2-Trichloroethane
Concen: 19.149 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 97 Resp: 4087

Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.3	105.5
85	56.5	46.2	69.4
99	62.3	50.3	75.5

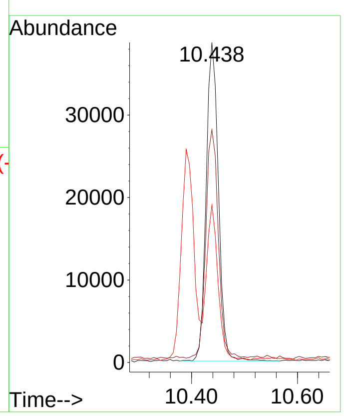


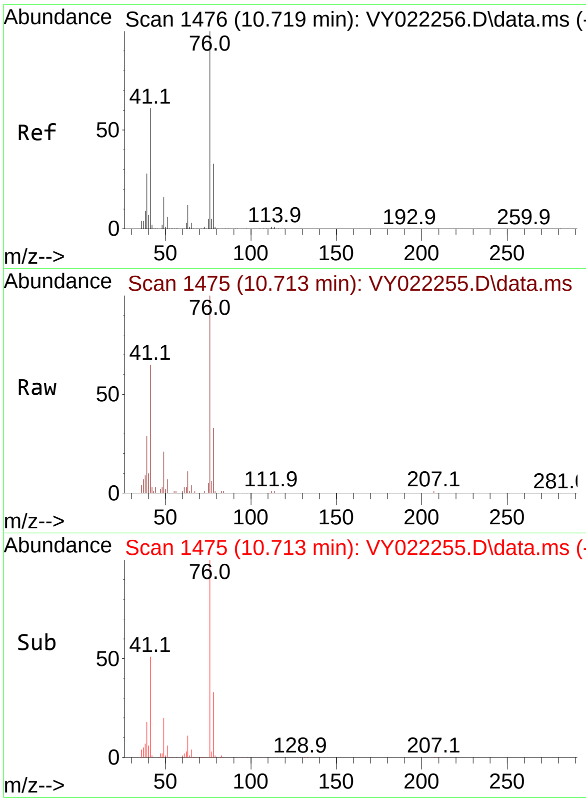


#56
Ethyl methacrylate
Concen: 18.706 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 69 Resp: 62193

Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.5	84.7
39	44.2	37.1	55.7





#57
1,3-Dichloropropane
Concen: 19.175 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 76 Resp: 7271

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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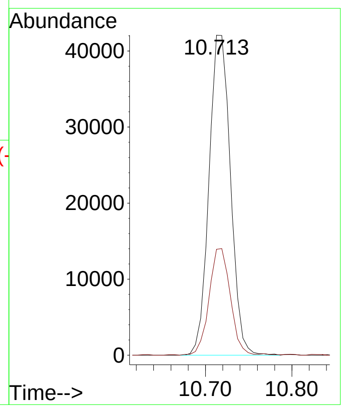
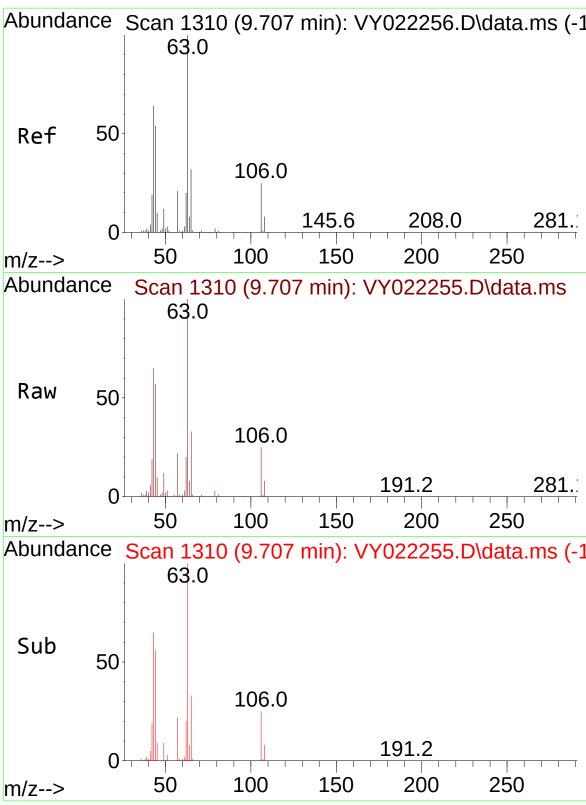
Supervised By :Semsettin Yesilyurt 05/16/2025

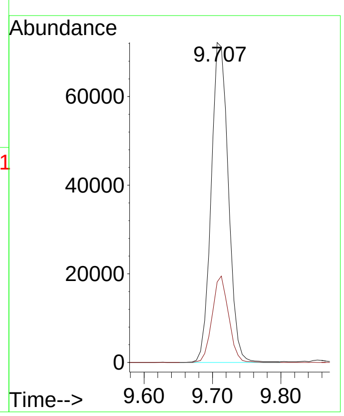




#58
2-Chloroethyl Vinyl ether
Concen: 84.595 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 126240

Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.0	31.4



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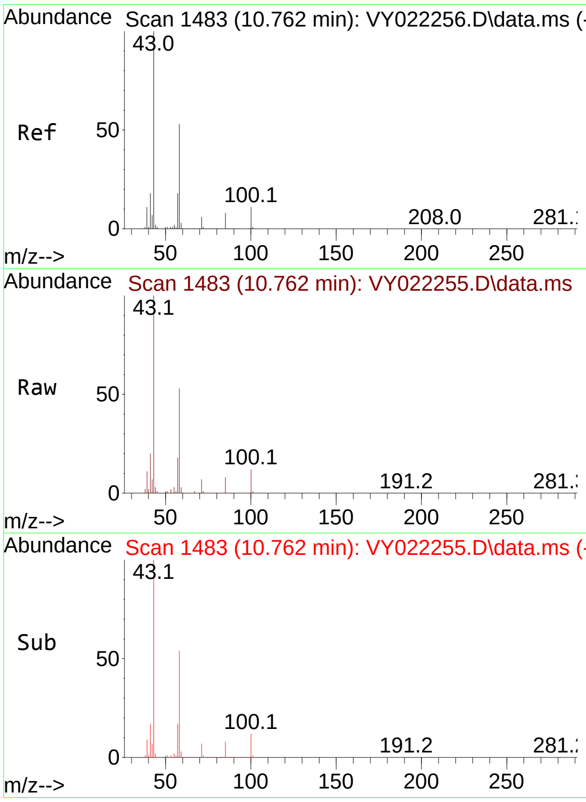

#59
2-Hexanone
Concen: 88.766 ug/l
RT: 10.762 min   Scan# 14
Delta R.T.   0.000 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

Tgt Ion: 43 Resp: 13249

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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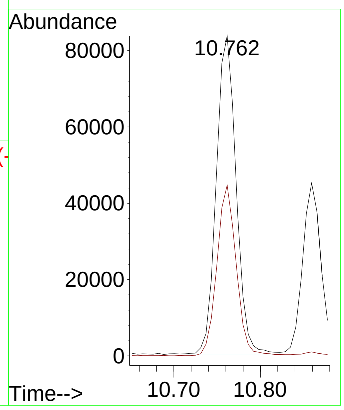
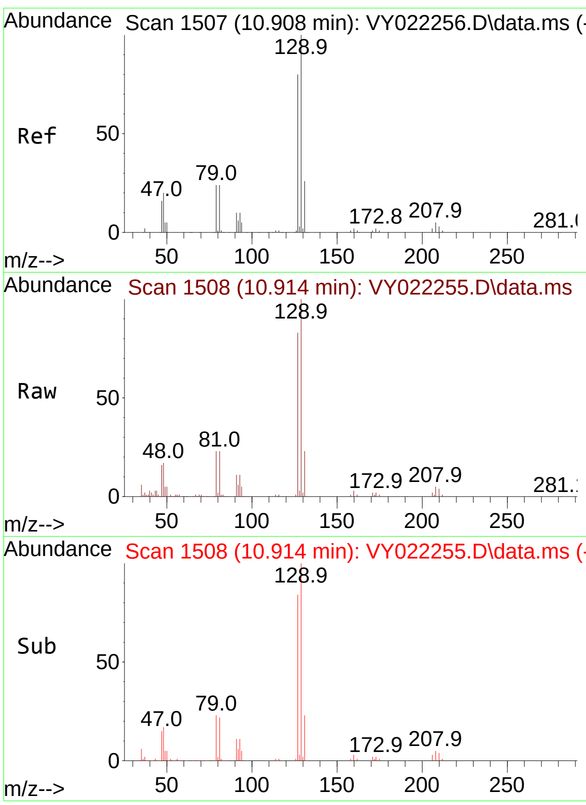
Reviewed By :Mahesh Dadoda   05/16/2025
Supervised By :Semsettin Yesilyurt   05/16/2025

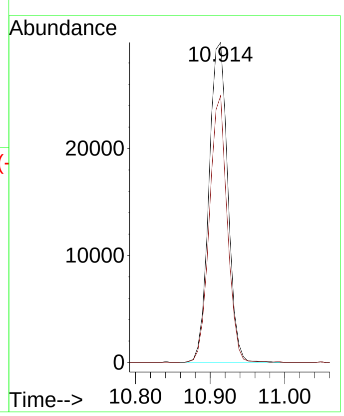




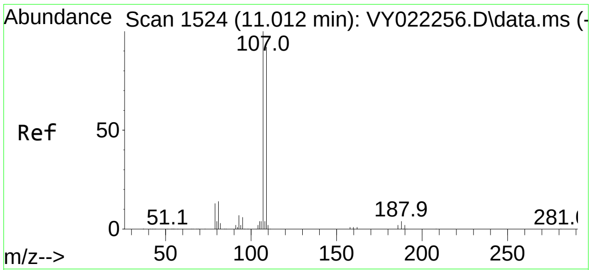
#60
Dibromochloromethane
Concen: 18.898 ug/l
RT: 10.914 min   Scan# 1508
Delta R.T.   0.006 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

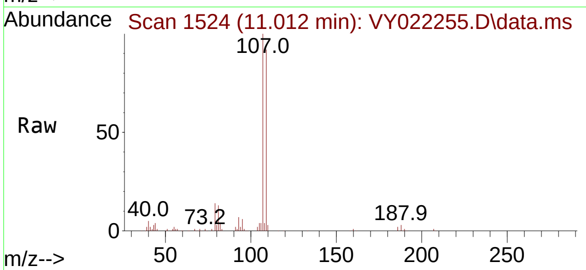
Tgt Ion:129 Resp: 52353

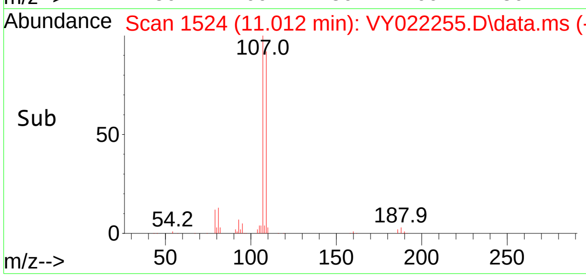
Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.7



ICAL Form







#61
1,2-Dibromoethane
Concen: 18.969 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:107 Resp: 3773

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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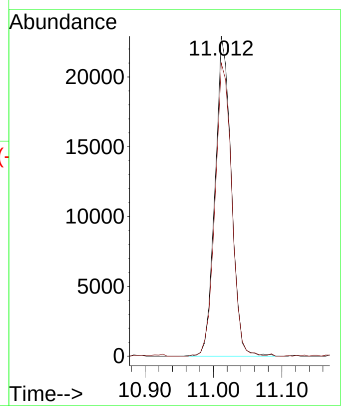
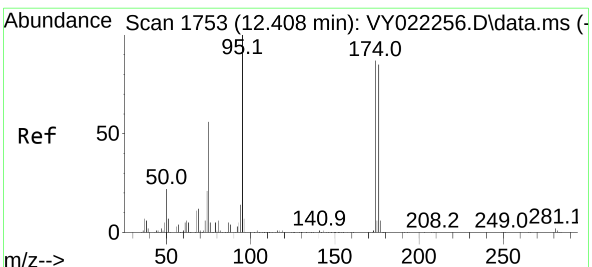
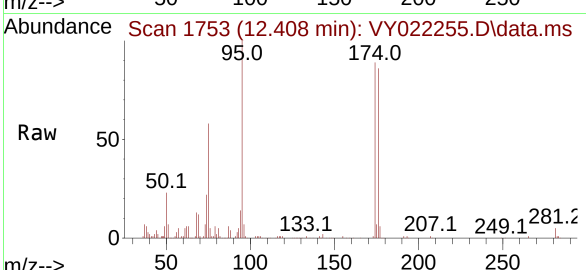
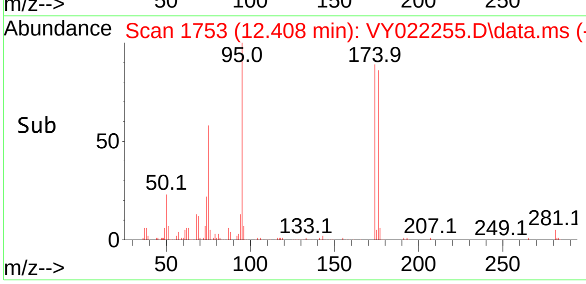




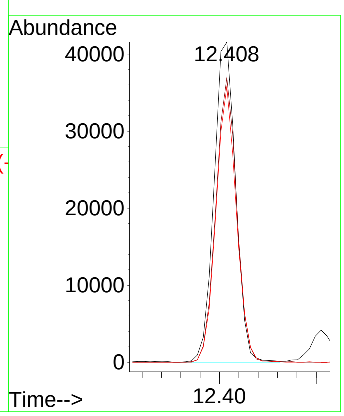




#62
4-Bromofluorobenzene
Concen: 18.988 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 95 Resp: 64706

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	166.8
176	81.3	0.0	160.8



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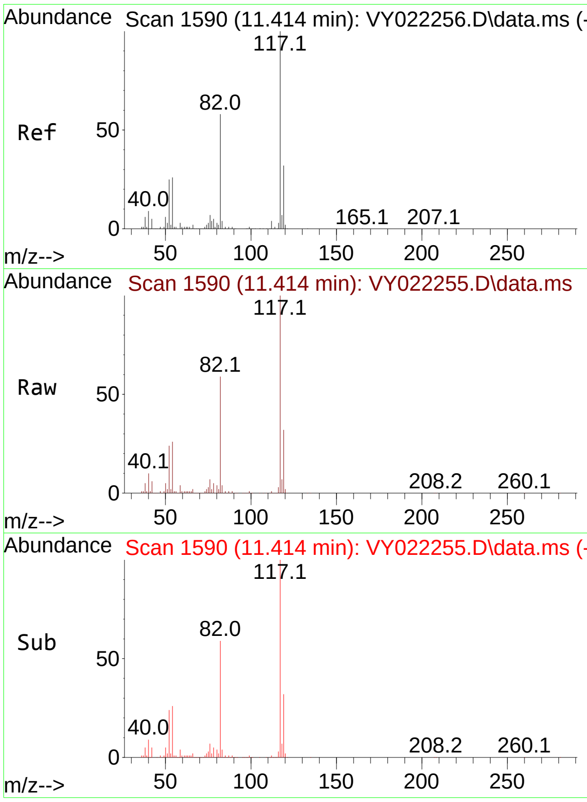

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 37007

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.6	70.0
119	32.4	25.8	38.6

Manual Integrations
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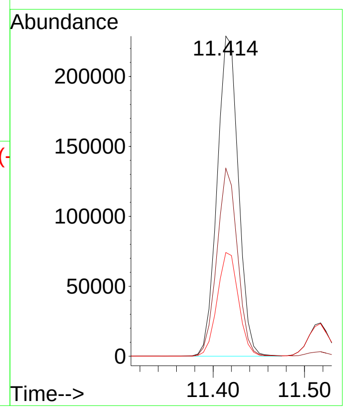
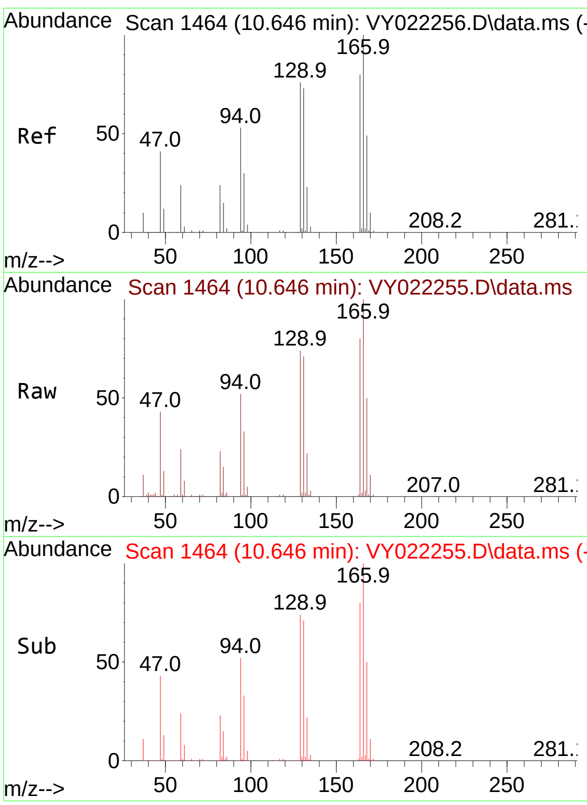
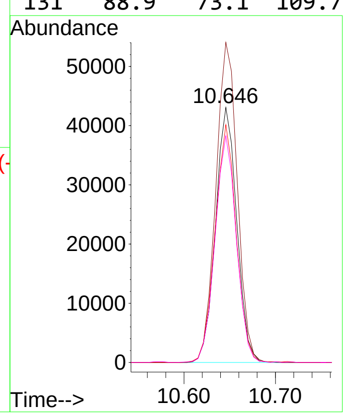




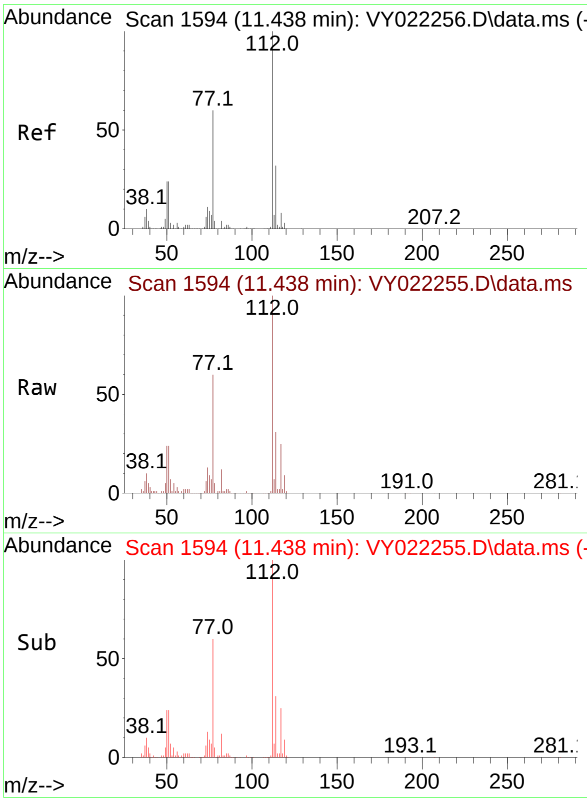
#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:164 Resp: 69548

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	93.2	76.4	114.6
131	88.9	73.1	109.7



ICAL Form



#65
Chlorobenzene
Concen: 19.610 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:112 Resp: 16372

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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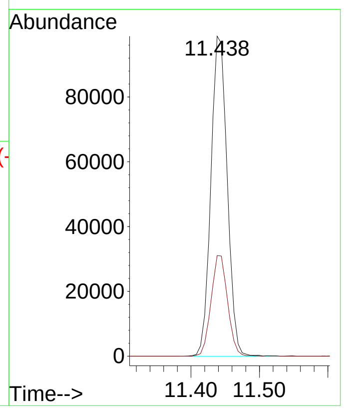
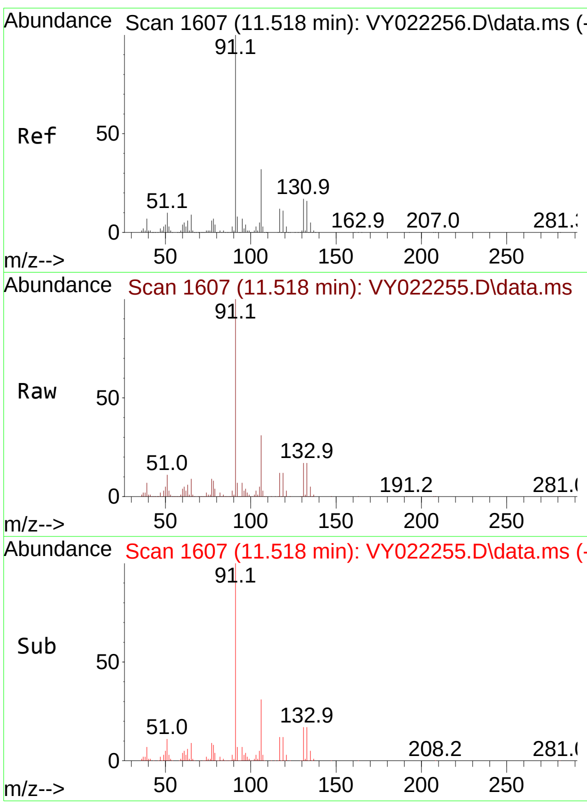
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

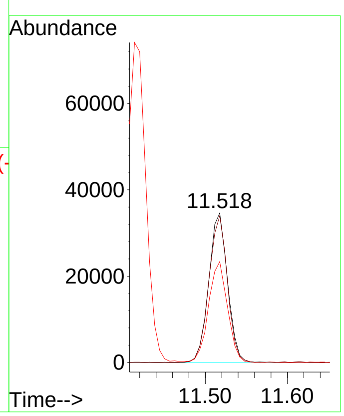


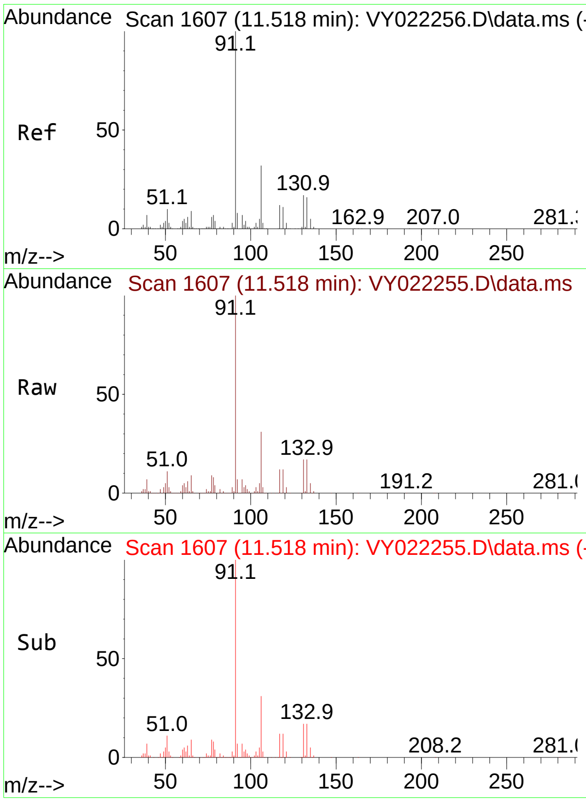


#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:131 Resp: 55078

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.9
119	68.4	33.1	99.2



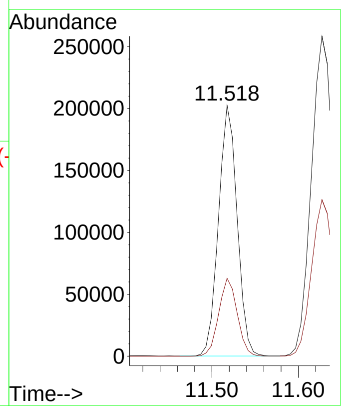


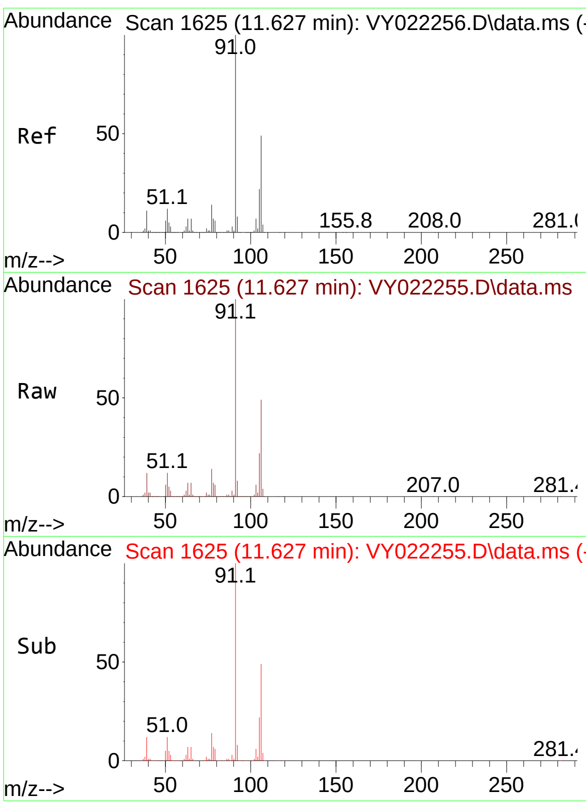
#67
Ethyl Benzene
Concen: 19.402 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 303375
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

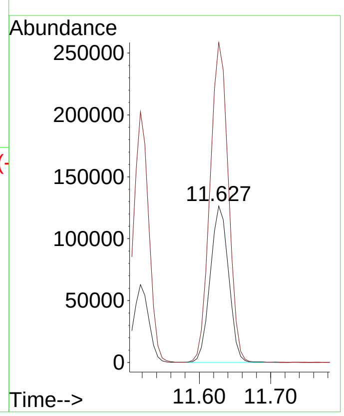
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

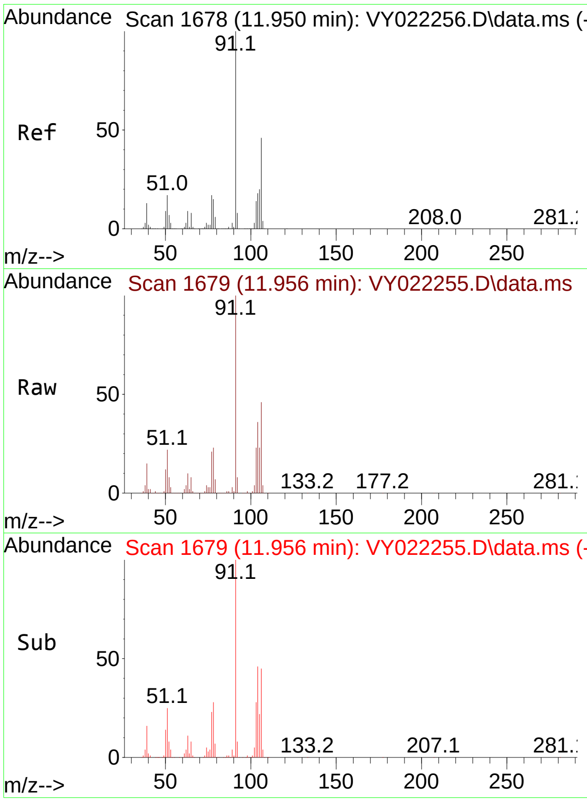




#68
m/p-Xylenes
Concen: 38.355 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 225990
Ion Ratio Lower Upper
106 100
91 204.2 163.0 244.4





#69
o-Xylene
Concen: 19.194 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 106998

Ion	Ratio	Lower	Upper
106	100		
91	215.7	108.3	324.8

Instrument : MSVOA_Y
ClientSampleId : VSTDICC020

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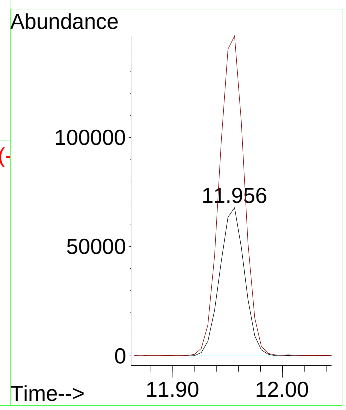
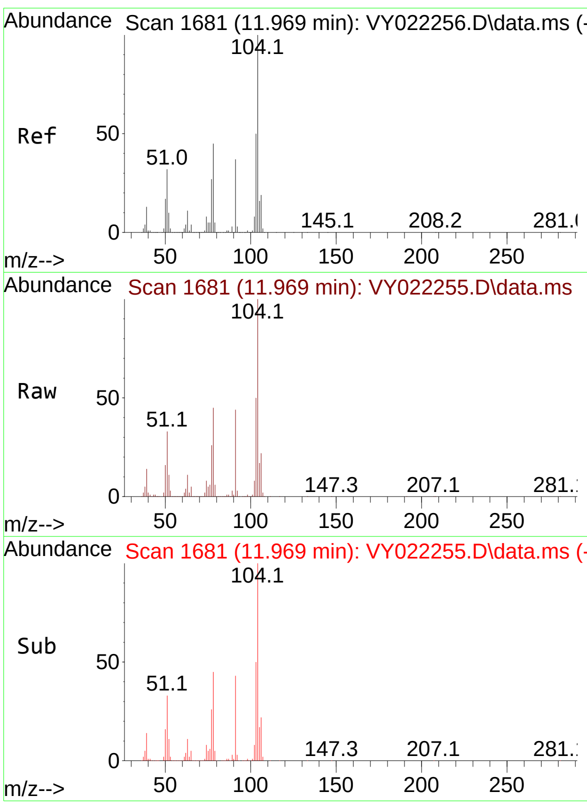
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

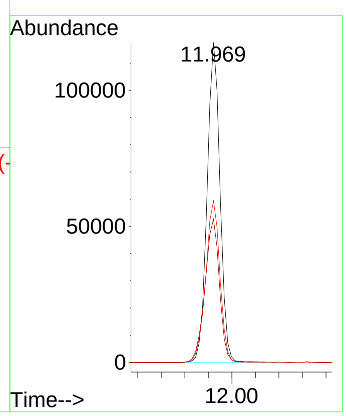




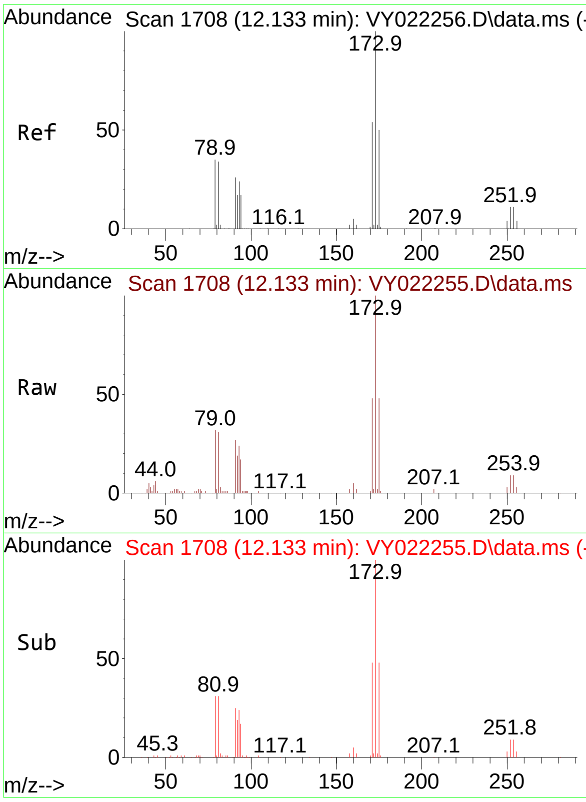
#70
Styrene
Concen: 19.048 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:104 Resp: 179114

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.9	61.3
103	55.7	43.7	65.5



ICAL Form



#71
Bromoform
Concen: 18.582 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:173 Resp: 2878

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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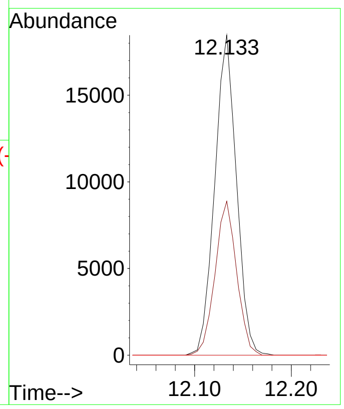
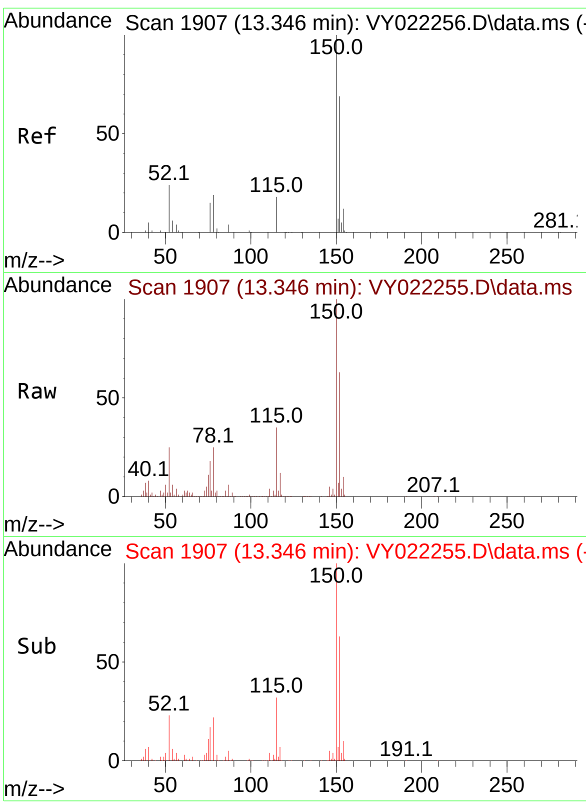
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

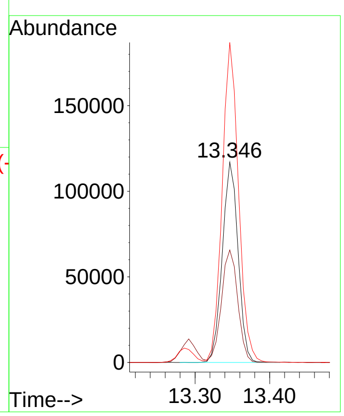


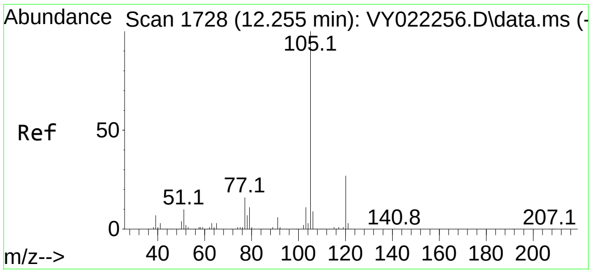


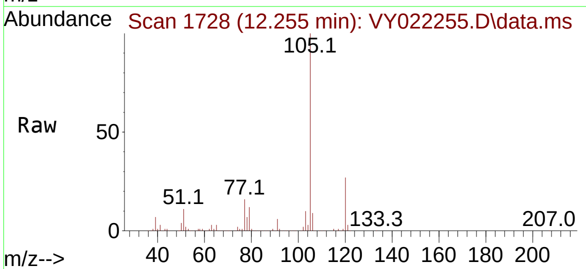
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

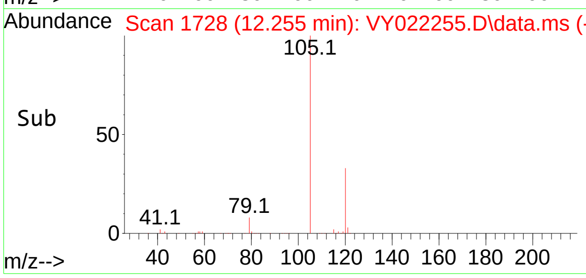
Tgt Ion:152 Resp: 172509

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	165.2	0.0	353.8









#73
Isopropylbenzene
Concen: 19.795 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 28289

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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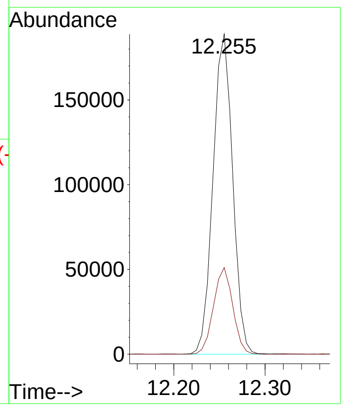
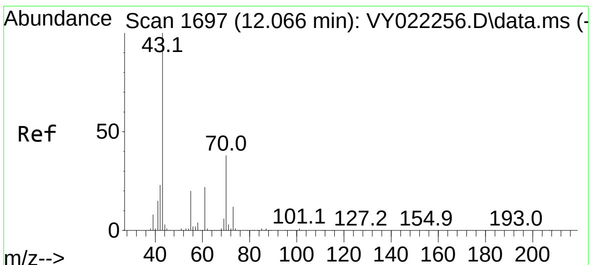
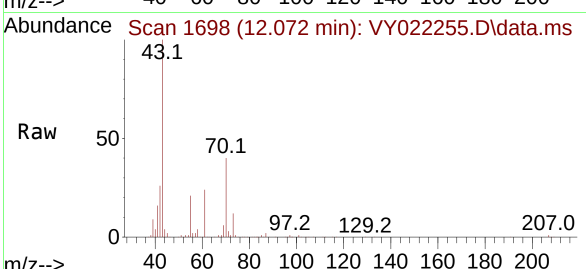
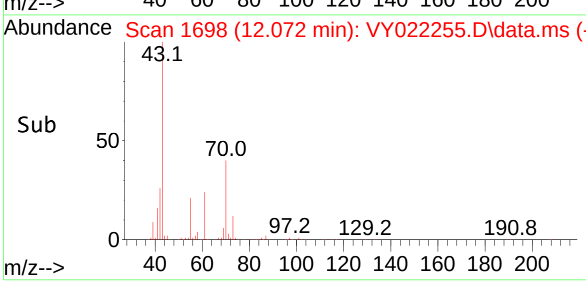
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





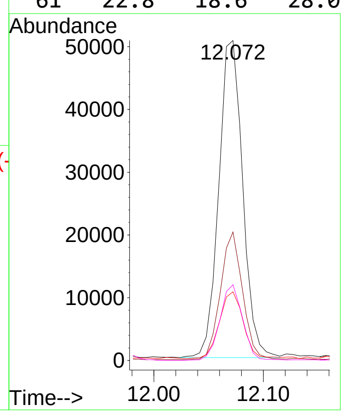




#74
N-amyl acetate
Concen: 18.799 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 76841

Ion	Ratio	Lower	Upper
43	100		
70	37.3	31.4	47.0
55	21.3	17.0	25.6
61	22.8	18.6	28.0



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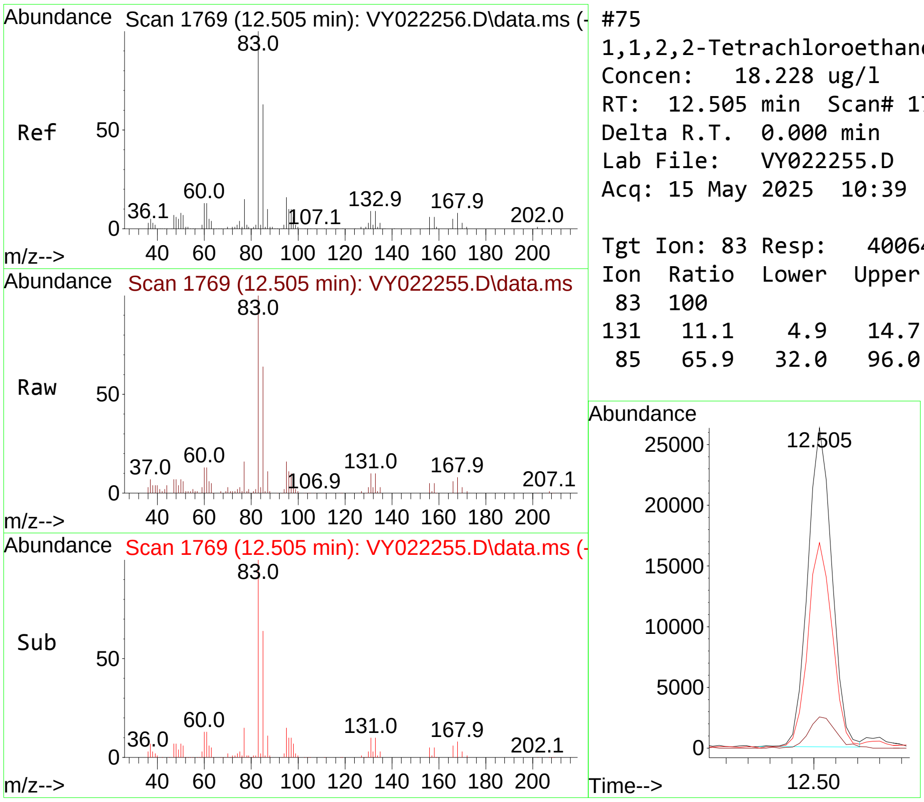

#75
1,1,2,2-Tetrachloroethane
Concen: 18.228 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 4006

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	65.9	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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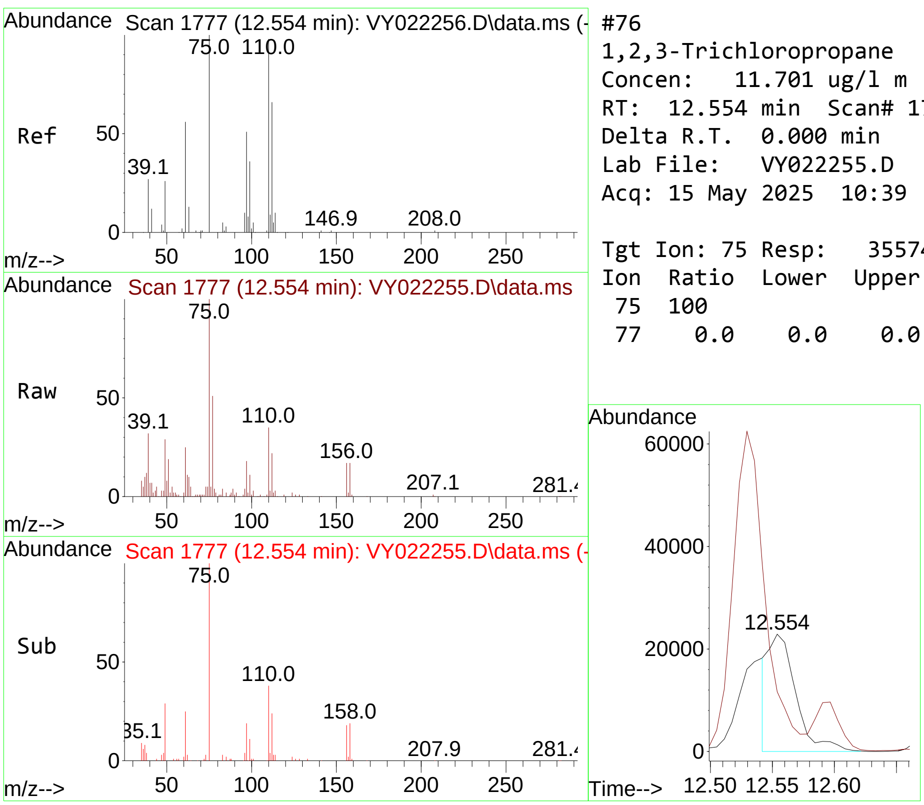
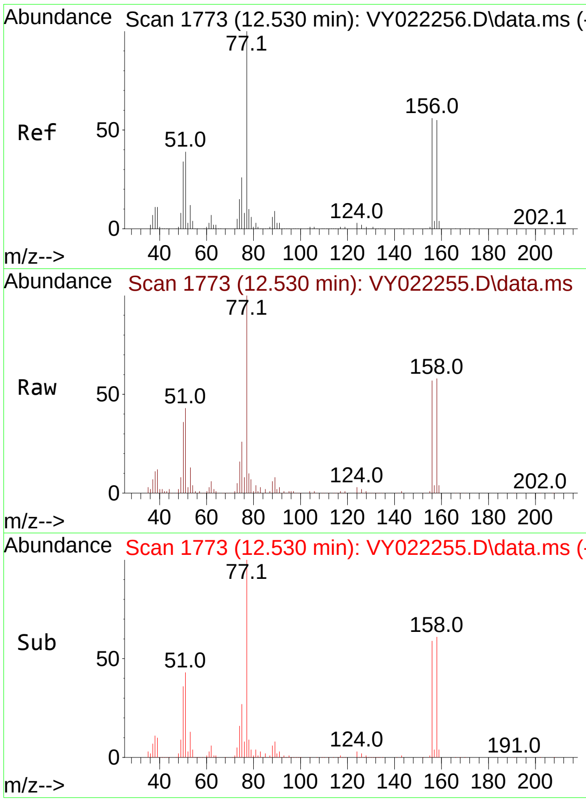
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 11.701 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 35574

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 19.170 ug/l
RT: 12.530 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 5851

Ion	Ratio	Lower	Upper
156	100		
77	190.6	94.5	283.6
158	99.0	48.4	145.3

Manual Integrations
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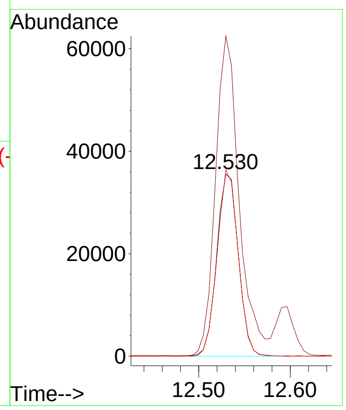
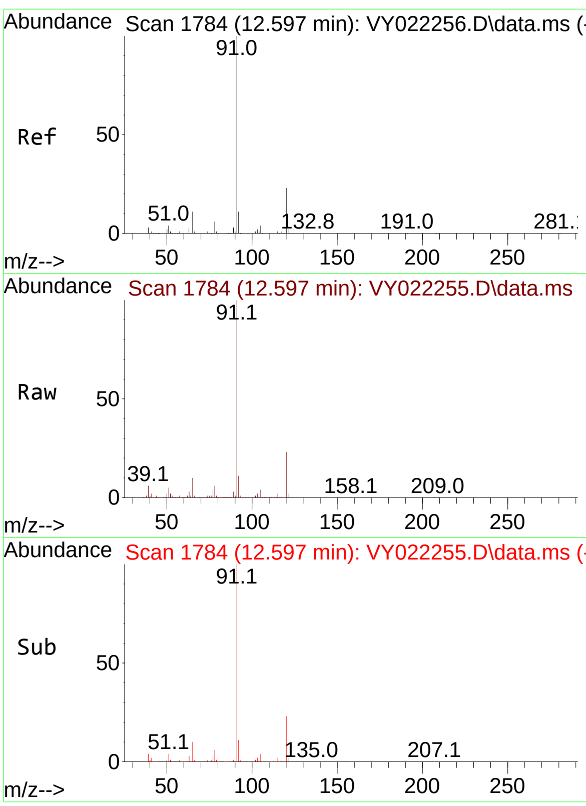
Supervised By :Semsettin Yesilyurt   05/16/2025

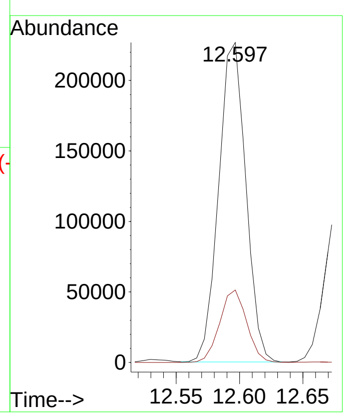




#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.597 min   Scan# 1784
Delta R.T.   0.000 min
Lab File: VY022255.D
Acq: 15 May 2025   10:39

Tgt Ion: 91 Resp: 338383

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3



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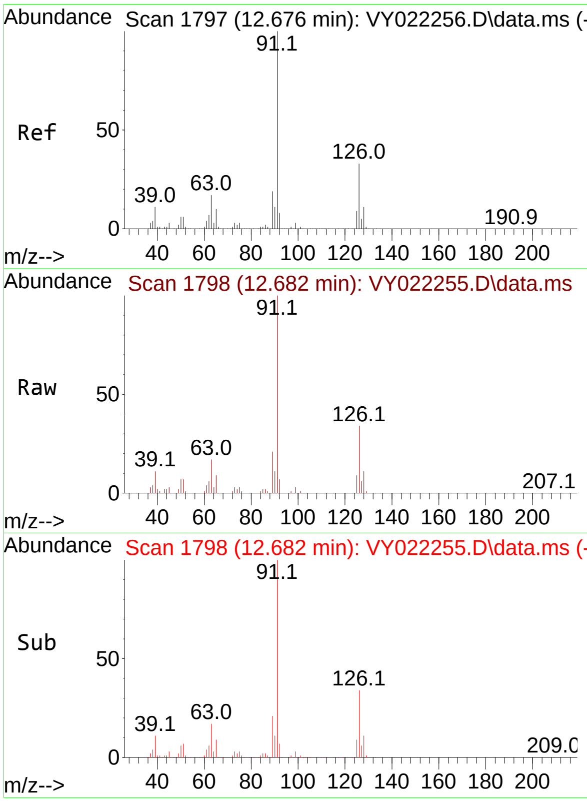

#79
2-Chlorotoluene
Concen: 19.621 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 18587

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

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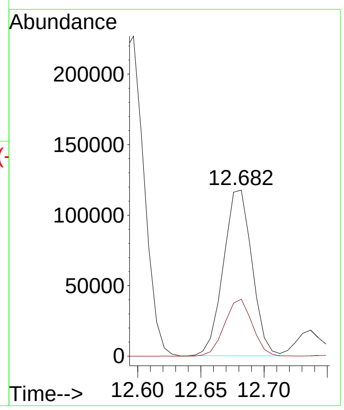
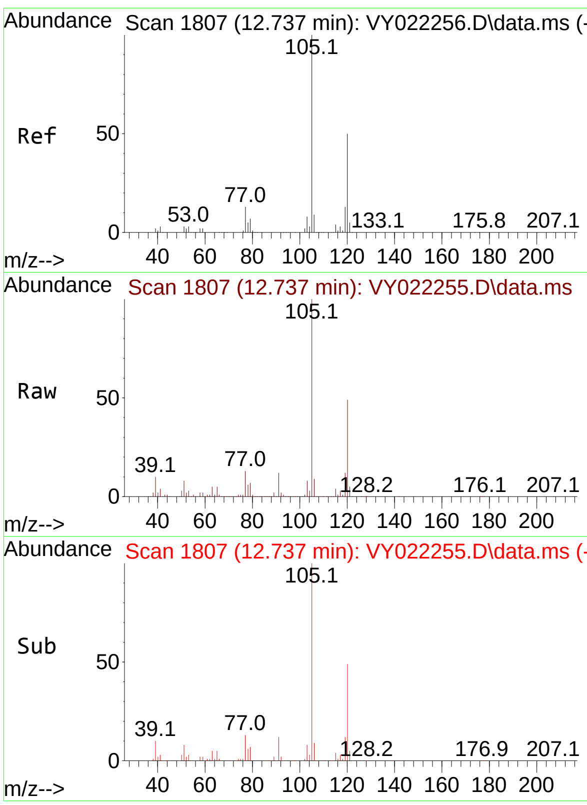
Supervised By :Semsettin Yesilyurt 05/16/2025

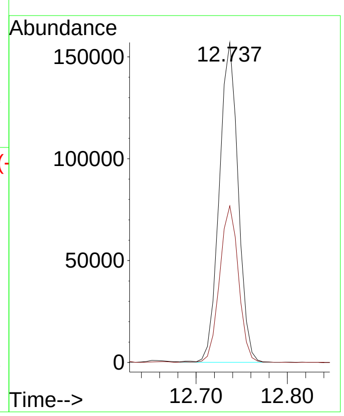


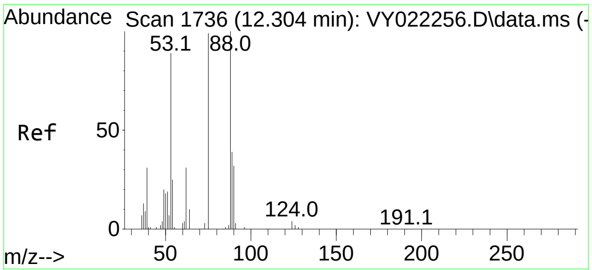


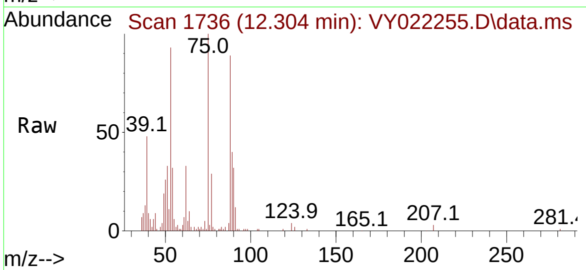
#80
1,3,5-Trimethylbenzene
Concen: 19.587 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

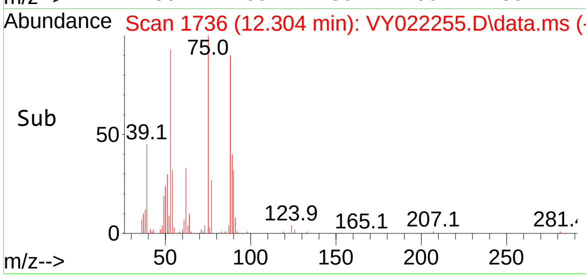
Tgt Ion:105 Resp: 225966

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.2	72.6









#81
trans-1,4-Dichloro-2-butene
Concen: 19.302 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 1665

Ion	Ratio	Lower	Upper
75	100		
53	92.5	75.8	113.8
89	43.2	36.2	54.2

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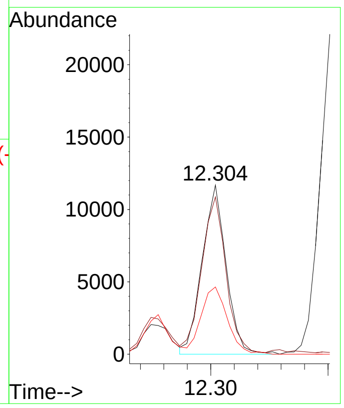
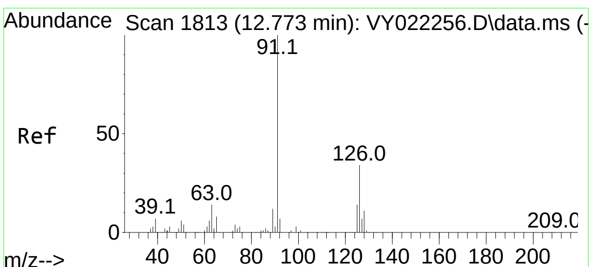
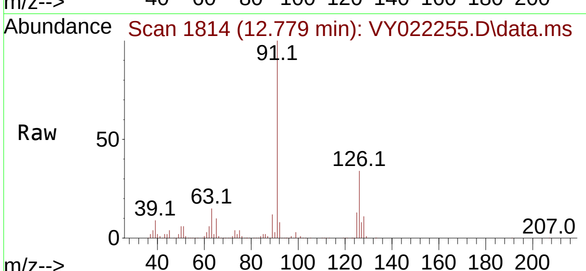
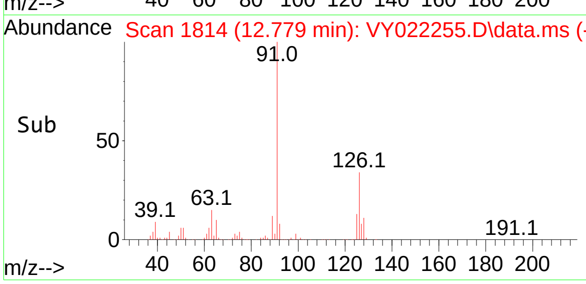




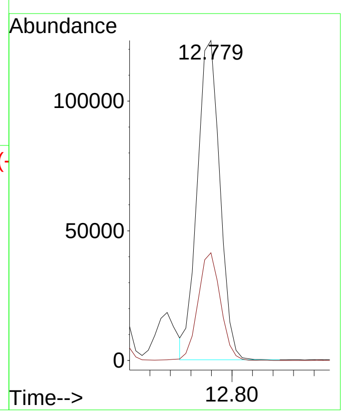




#82
4-Chlorotoluene
Concen: 19.433 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 189350

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



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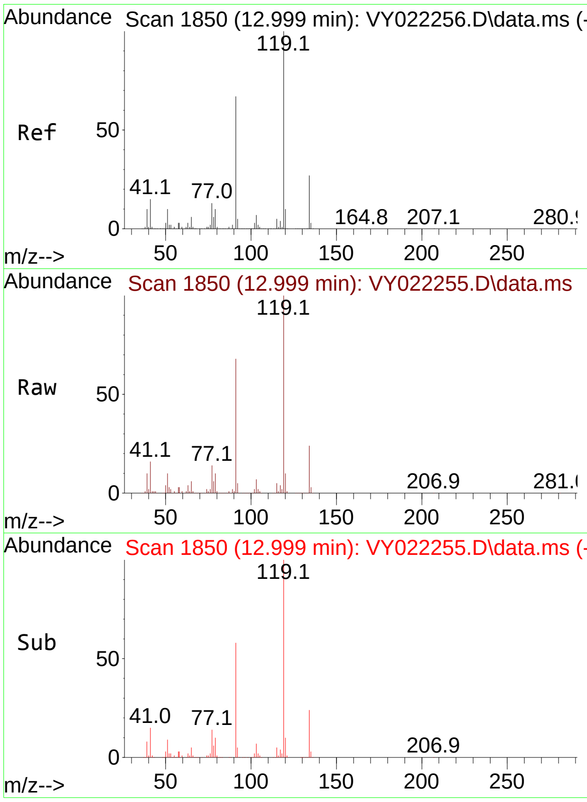

#83
tert-Butylbenzene
Concen: 19.515 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 20010

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.6	12.9	38.6

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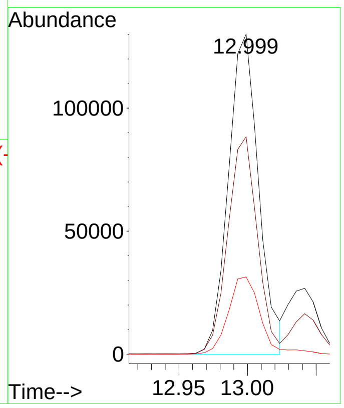
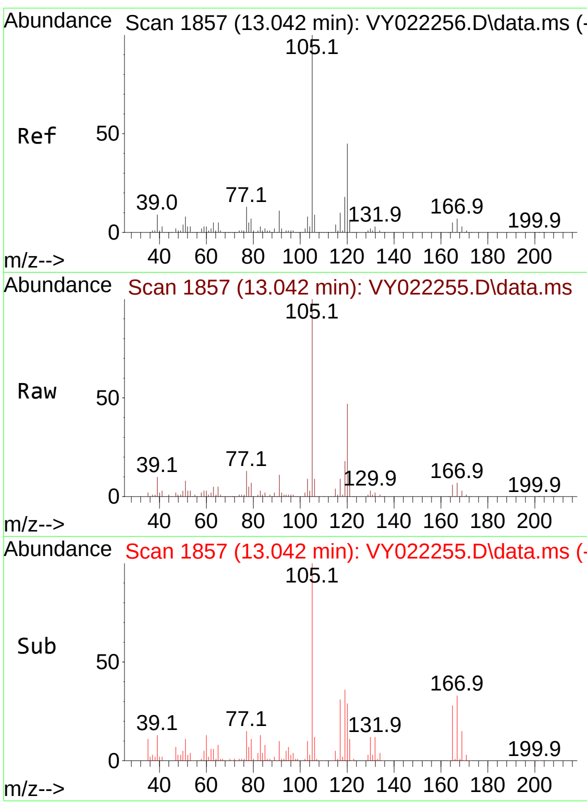
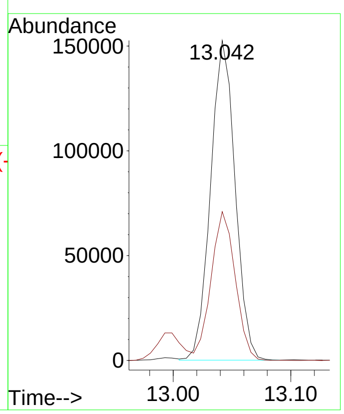




#84
1,2,4-Trimethylbenzene
Concen: 19.315 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 221194

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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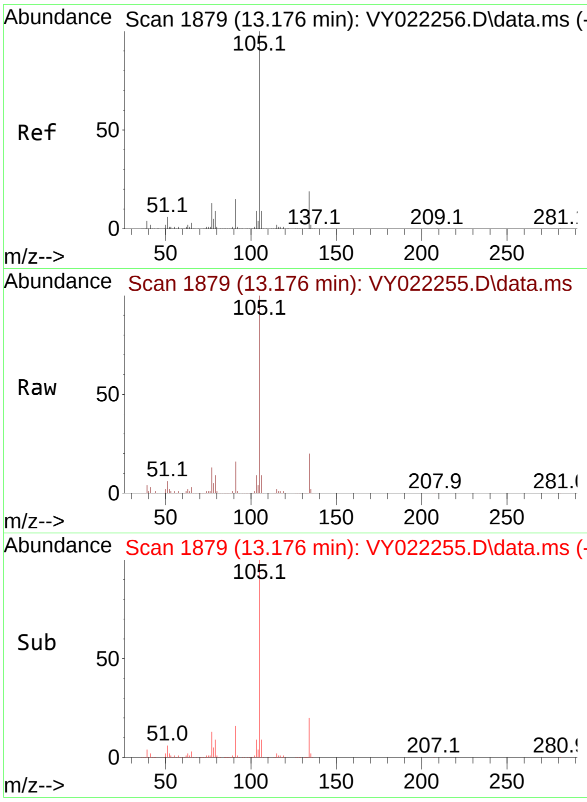
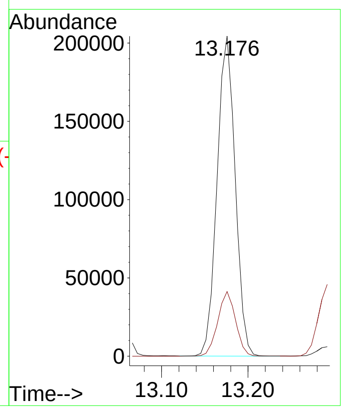
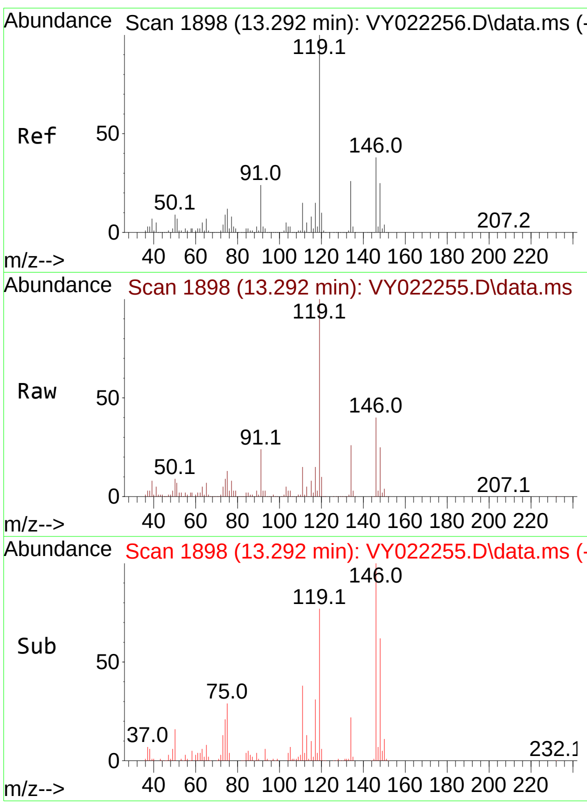


#85
sec-Butylbenzene
Concen: 19.576 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 29797

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

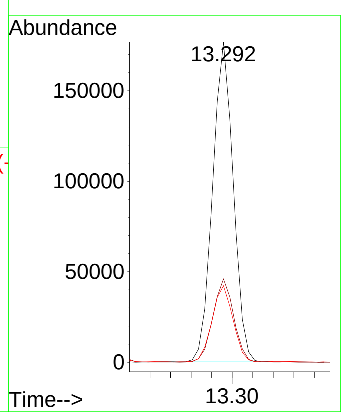




#86
p-Isopropyltoluene
Concen: 19.261 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:119 Resp: 246569

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	24.2	12.1	36.3



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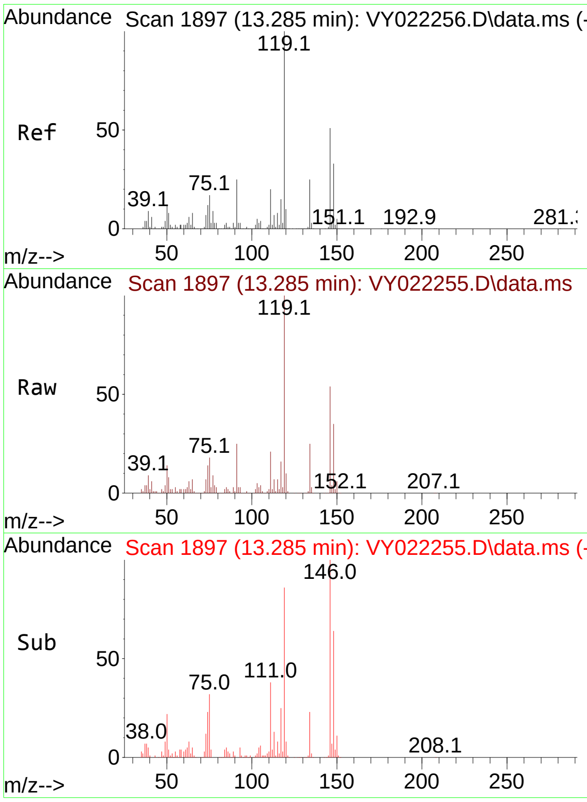


#87
1,3-Dichlorobenzene
Concen: 18.991 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

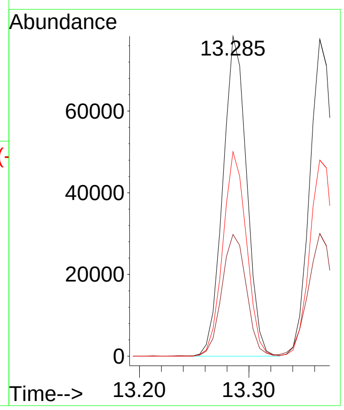
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

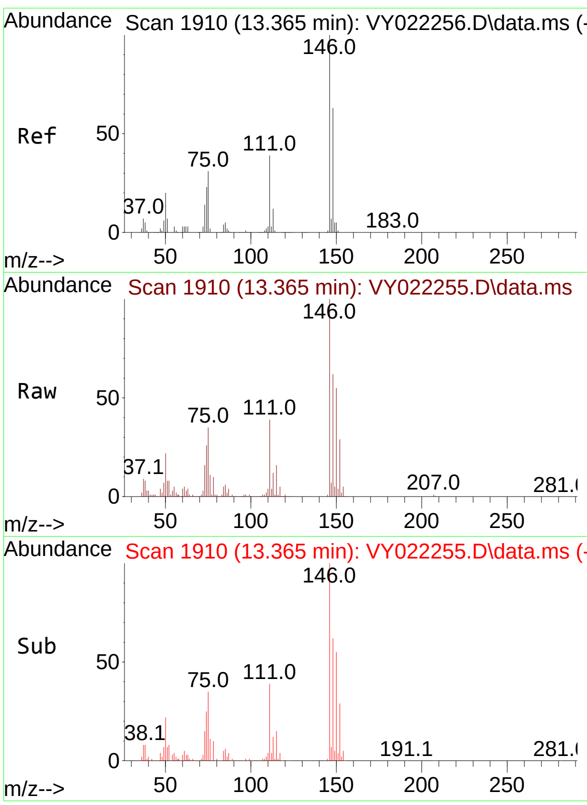
Tgt Ion:146 Resp: 11833

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.4	31.9	95.7

Manual Integrations
APPROVED

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

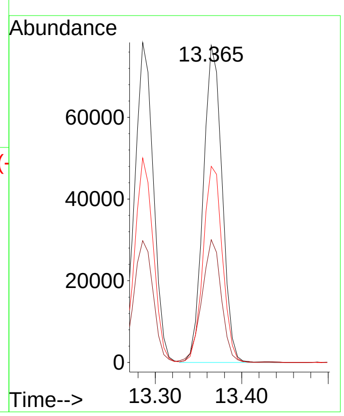




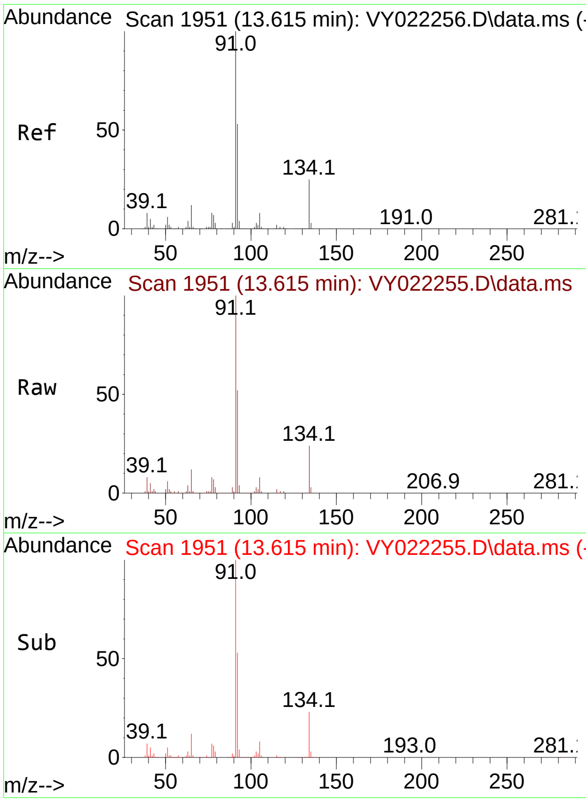
#88
1,4-Dichlorobenzene
Concen: 19.638 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 117705

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.3	32.1	96.5



ICAL Form



#89
n-Butylbenzene
Concen: 19.887 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

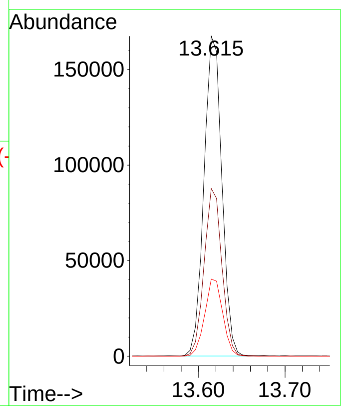
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

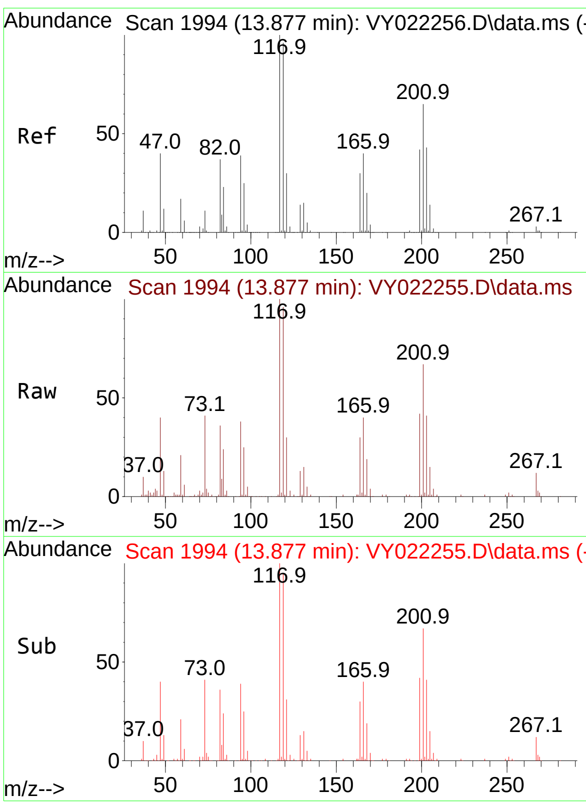
Tgt Ion: 91 Resp: 24085

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	24.3	12.4	37.4

Manual Integrations APPROVED

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

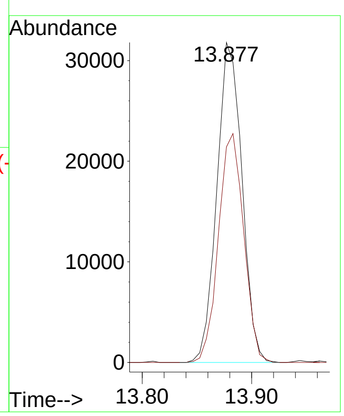




#90
Hexachloroethane
Concen: 19.643 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 50762

Ion	Ratio	Lower	Upper
117	100		
201	72.0	35.2	105.6

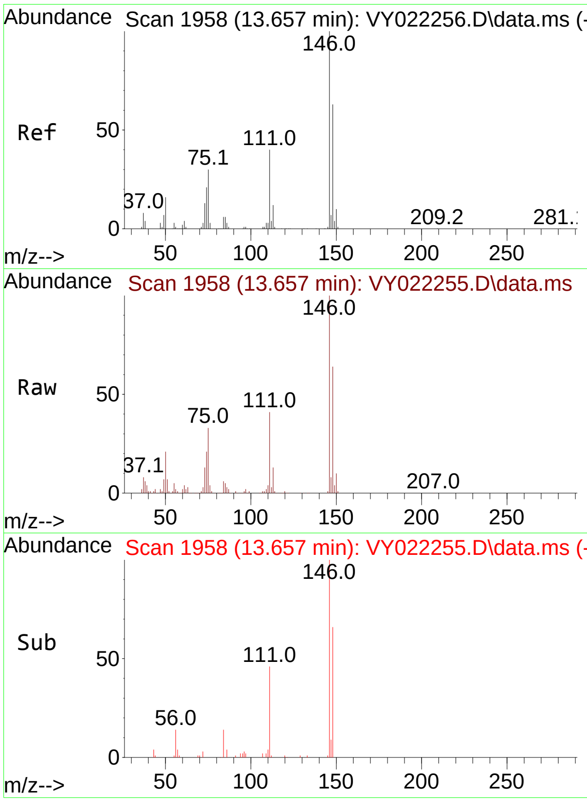


ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

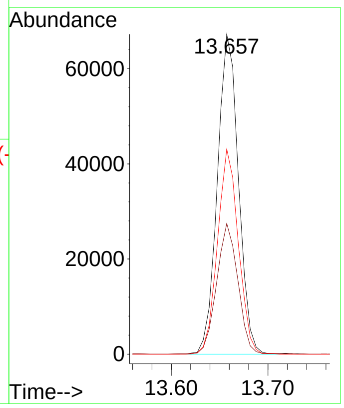
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

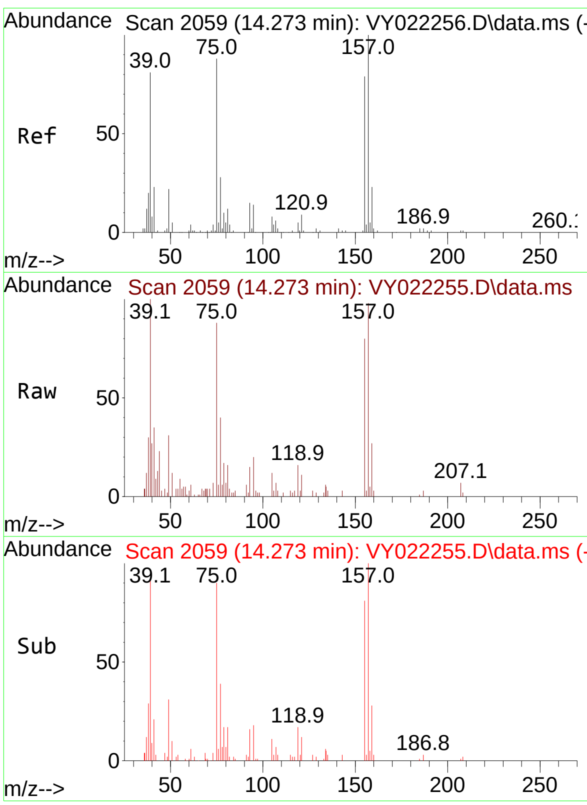


#91
1,2-Dichlorobenzene
Concen: 19.502 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 10207

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.2	32.0	96.0

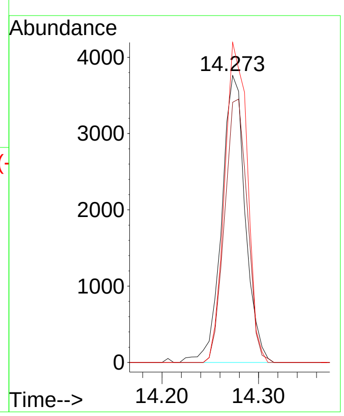




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.021 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 6387

Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.4	130.1
157	107.4	54.6	163.9

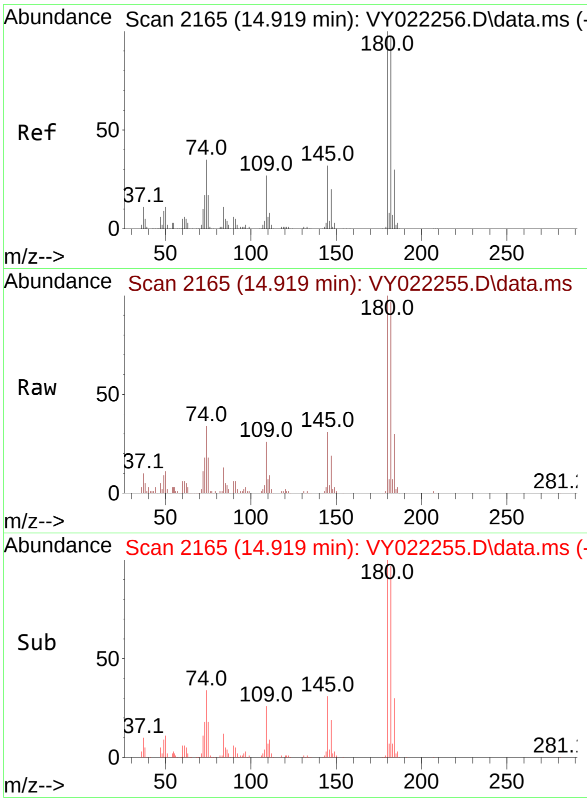


ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

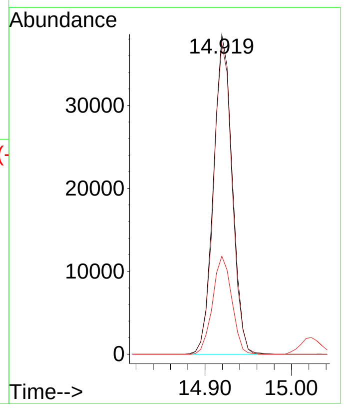
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

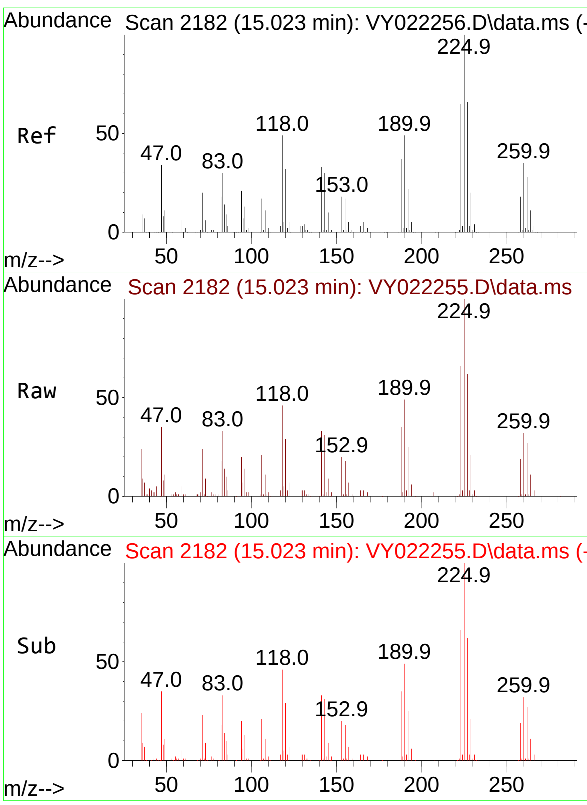


#93
1,2,4-Trichlorobenzene
Concen: 19.346 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 5849

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	31.1	15.0	45.1

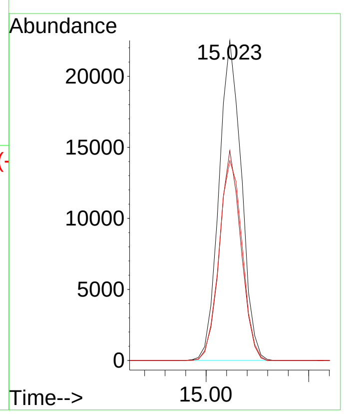


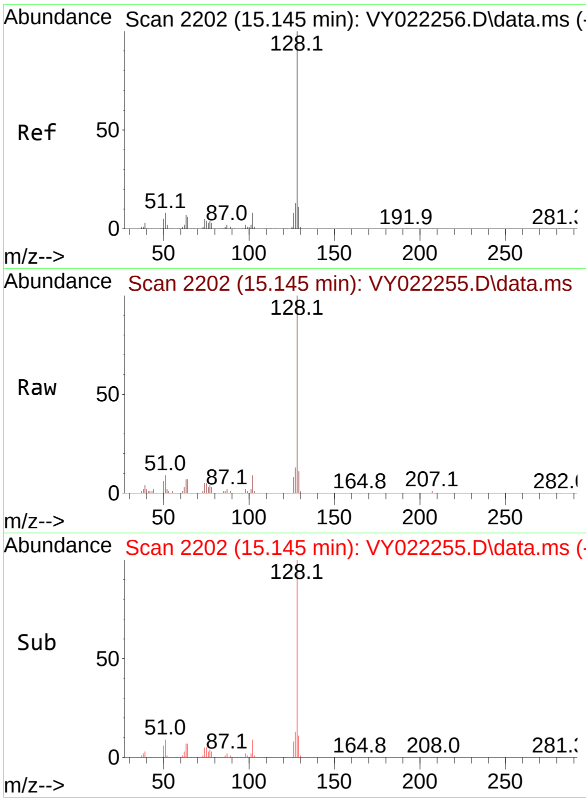


#94
Hexachlorobutadiene
Concen: 20.301 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:225 Resp: 34228

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	64.3	32.1	96.3





#95
Naphthalene
Concen: 18.362 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

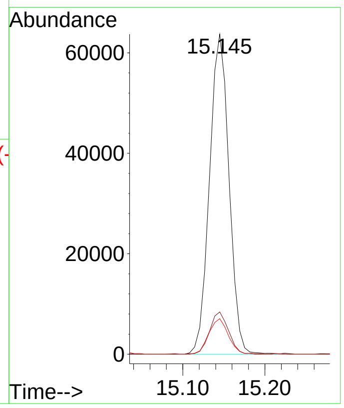
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

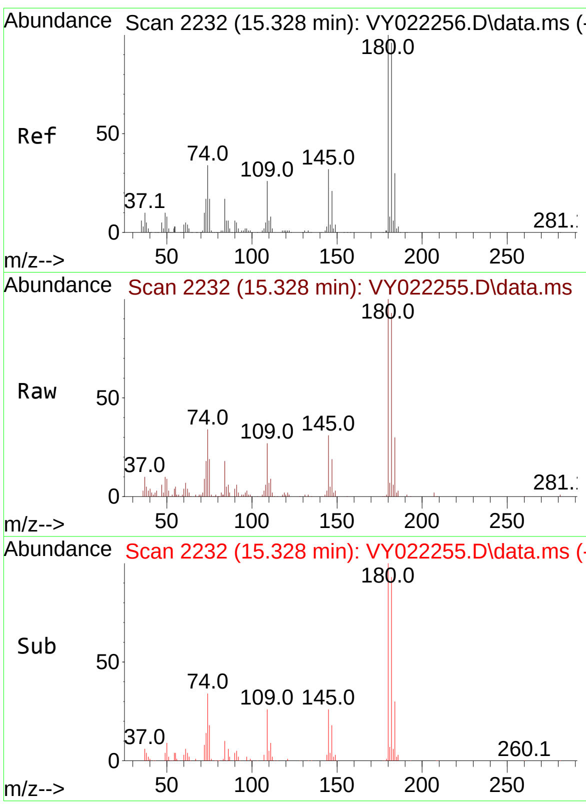
Tgt Ion:128 Resp: 10535

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations APPROVED

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

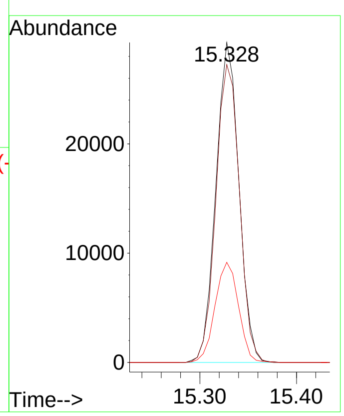




#96
1,2,3-Trichlorobenzene
Concen: 18.888 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 48444

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	31.9	15.9	47.6



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	267598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144713	49.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.960%		
35) Dibromofluoromethane	7.634	113	132404	50.495	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.980%		
50) Toluene-d8	10.103	98	540296	50.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.408	95	169827	49.891	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	135726	48.608	ug/l	100
3) Chloromethane	2.062	50	278892	47.481	ug/l	100
4) Vinyl Chloride	2.202	62	323792	49.341	ug/l	100
5) Bromomethane	2.592	94	234736	43.941	ug/l	100
6) Chloroethane	2.732	64	202370	49.569	ug/l	100
7) Trichlorofluoromethane	3.050	101	324887	48.898	ug/l	100
8) Diethyl Ether	3.452	74	78670	49.338	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	144018	49.930	ug/l	100
10) Methyl Iodide	4.007	142	183918	55.091	ug/l	100
11) Tert butyl alcohol	4.872	59	51598	231.036	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	144103	50.344	ug/l	100
13) Acrolein	3.653	56	75423	231.010	ug/l	100
14) Allyl chloride	4.379	41	256499	51.106	ug/l	100
15) Acrylonitrile	5.061	53	160496	244.283	ug/l	100
16) Acetone	3.873	43	124421	226.888	ug/l	100
17) Carbon Disulfide	4.104	76	468979	50.244	ug/l	100
18) Methyl Acetate	4.385	43	80820	48.436	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	390412	49.466	ug/l	100
20) Methylene Chloride	4.616	84	159764	45.087	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	158544	50.181	ug/l	100
22) Diisopropyl ether	6.019	45	531560	50.152	ug/l	100
23) Vinyl Acetate	5.958	43	1570214	245.223	ug/l	100
24) 1,1-Dichloroethane	5.915	63	298823	50.465	ug/l	100
25) 2-Butanone	6.896	43	215828	235.291	ug/l	100
26) 2,2-Dichloropropane	6.884	77	264141	50.153	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	184842	50.698	ug/l	100
28) Bromochloromethane	7.244	49	126541	50.100	ug/l	100
29) Tetrahydrofuran	7.262	42	142772	241.931	ug/l	100
30) Chloroform	7.421	83	288708	50.831	ug/l	100
31) Cyclohexane	7.701	56	282375	47.728	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	259382	49.777	ug/l	100
36) 1,1-Dichloropropene	7.835	75	221943	51.388	ug/l	100
37) Ethyl Acetate	6.988	43	102924	49.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	226903	50.754	ug/l	100
39) Methylcyclohexane	9.109	83	294336	50.726	ug/l	100
40) Benzene	8.079	78	658644	51.442	ug/l	100

Quantitation Report   (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On   : 15 May 2025 11:02
Operator : SY/MD
Sample   : VSTDICCC050
Misc   : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5   Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.220	41	69476m	45.691	ug/l		
42)	1,2-Dichloroethane	8.158	62	176425	50.954	ug/l		100
43)	Isopropyl Acetate	8.195	43	225628	49.785	ug/l		100
44)	Trichloroethene	8.866	130	162802	51.138	ug/l		100
45)	1,2-Dichloropropane	9.140	63	156870	50.819	ug/l		100
46)	Dibromomethane	9.231	93	82994	49.849	ug/l		100
47)	Bromodichloromethane	9.420	83	222159	51.435	ug/l		100
48)	Methyl methacrylate	9.219	41	105390	49.726	ug/l		100
49)	1,4-Dioxane	9.231	88	18027	958.446	ug/l		100
51)	4-Methyl-2-Pentanone	9.999	43	556123	250.085	ug/l		100
52)	Toluene	10.170	92	414584	51.134	ug/l		100
53)	t-1,3-Dichloropropene	10.390	75	213993	50.768	ug/l		100
54)	cis-1,3-Dichloropropene	9.853	75	246990	51.143	ug/l		100
55)	1,1,2-Trichloroethane	10.573	97	106676	50.036	ug/l		100
56)	Ethyl methacrylate	10.438	69	167259	50.364	ug/l		100
57)	1,3-Dichloropropane	10.719	76	192275	50.759	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.707	63	403074	270.408	ug/l		100
59)	2-Hexanone	10.762	43	365111	244.881	ug/l		100
60)	Dibromochloromethane	10.908	129	141896	51.278	ug/l		100
61)	1,2-Dibromoethane	11.012	107	99822	50.236	ug/l		100
64)	Tetrachloroethene	10.646	164	178854	51.249	ug/l		100
65)	Chlorobenzene	11.438	112	435874	51.169	ug/l		100
66)	1,1,1,2-Tetrachloroethane	11.518	131	148798	50.811	ug/l		100
67)	Ethyl Benzene	11.518	91	821168	51.473	ug/l		100
68)	m/p-Xylenes	11.627	106	617646	102.746	ug/l		100
69)	o-Xylene	11.950	106	289897	50.971	ug/l		100
70)	Styrene	11.969	104	491792	51.260	ug/l		100
71)	Bromoform	12.133	173	78794	49.849	ug/l	#	100
73)	Isopropylbenzene	12.255	105	756905	50.657	ug/l		100
74)	N-amyl acetate	12.066	43	209097	48.930	ug/l		100
75)	1,1,2,2-Tetrachloroethane	12.505	83	113234	49.277	ug/l		100
76)	1,2,3-Trichloropropane	12.554	75	90281m	28.402	ug/l		
77)	Bromobenzene	12.530	156	161475	50.599	ug/l		100
78)	n-propylbenzene	12.597	91	924664	51.306	ug/l		100
79)	2-Chlorotoluene	12.676	91	505684	51.058	ug/l		100
80)	1,3,5-Trimethylbenzene	12.737	105	615033	50.991	ug/l		100
81)	trans-1,4-Dichloro-2-b...	12.304	75	42692	47.331	ug/l		100
82)	4-Chlorotoluene	12.773	91	524270	51.464	ug/l		100
83)	tert-Butylbenzene	12.999	119	546231	50.952	ug/l		100
84)	1,2,4-Trimethylbenzene	13.042	105	615550	51.410	ug/l		100
85)	sec-Butylbenzene	13.176	105	824725	51.825	ug/l		100
86)	p-Isopropyltoluene	13.292	119	688561	51.446	ug/l		100
87)	1,3-Dichlorobenzene	13.285	146	331536	50.890	ug/l		100
88)	1,4-Dichlorobenzene	13.365	146	315598	50.363	ug/l		100
89)	n-Butylbenzene	13.615	91	661532	52.245	ug/l		100
90)	Hexachloroethane	13.877	117	137225	50.791	ug/l		100
91)	1,2-Dichlorobenzene	13.657	146	276666	50.558	ug/l		100
92)	1,2-Dibromo-3-Chloropr...	14.273	75	18039	48.682	ug/l		100
93)	1,2,4-Trichlorobenzene	14.919	180	162275	51.338	ug/l		100
94)	Hexachlorobutadiene	15.023	225	90452	51.313	ug/l		100
95)	Naphthalene	15.145	128	298075	49.692	ug/l		100
96)	1,2,3-Trichlorobenzene	15.328	180	135673	50.596	ug/l		100

Quantitation Report (QT Reviewed)

ICAL Form

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On    : 15 May 2025  11:02
Operator  : SY/MD
Sample    : VSTDICCC050
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

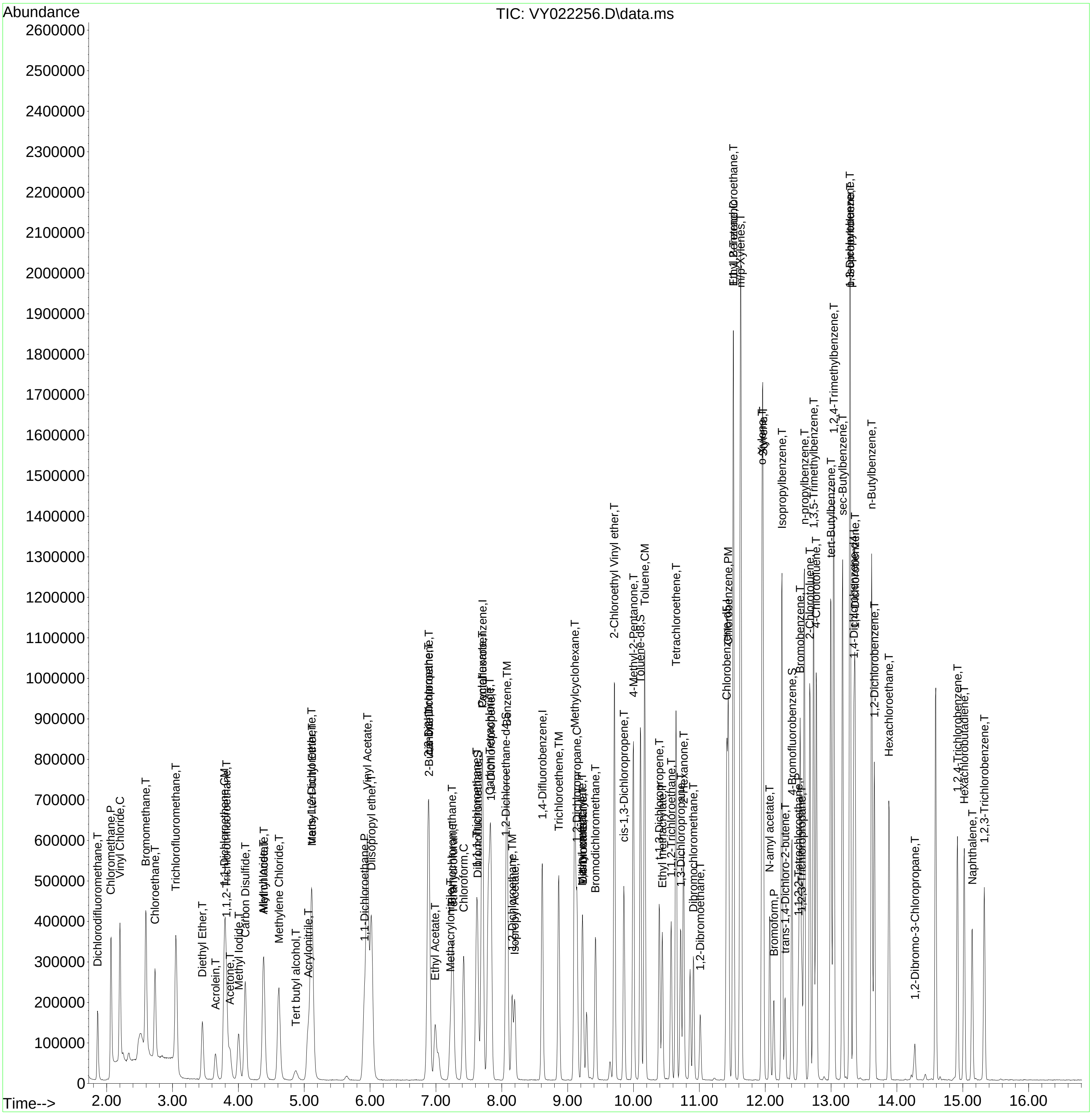
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

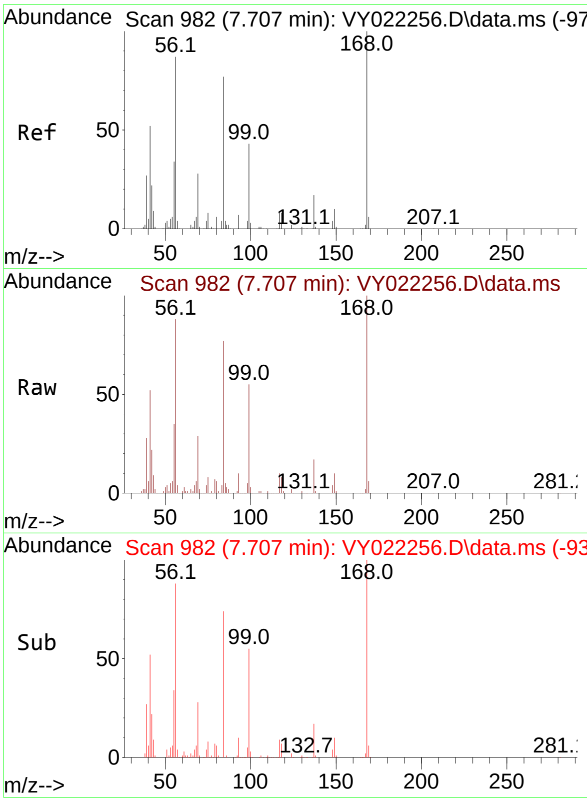
Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:168 Resp: 267598
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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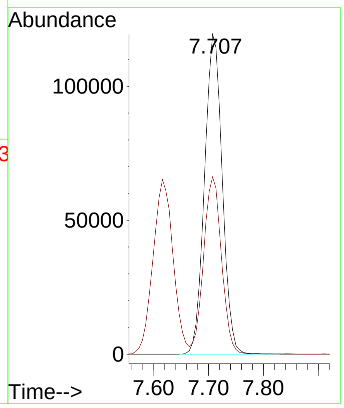
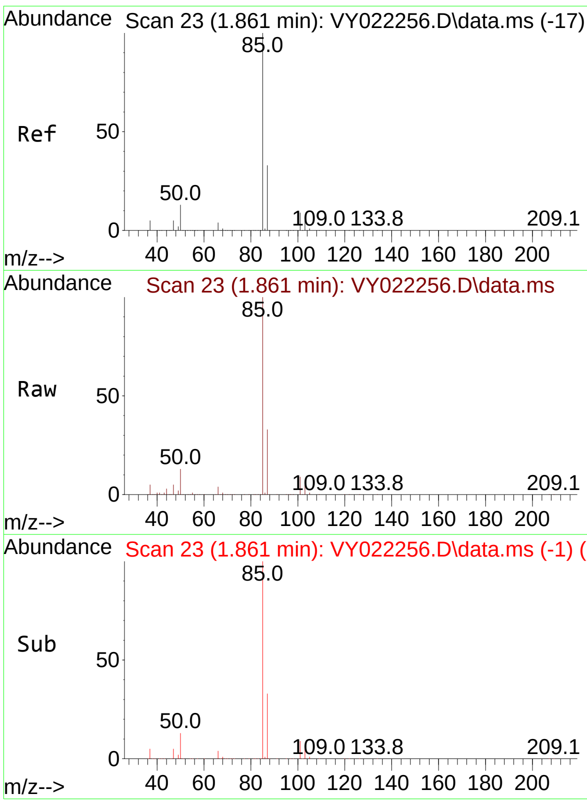
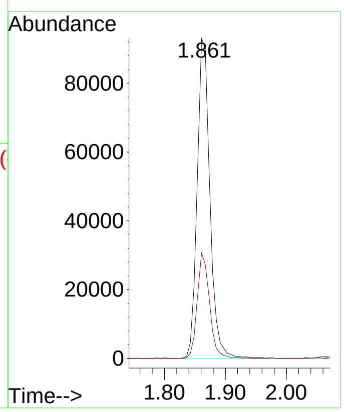
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





#2
Dichlorodifluoromethane
Concen: 48.608 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 85 Resp: 135726
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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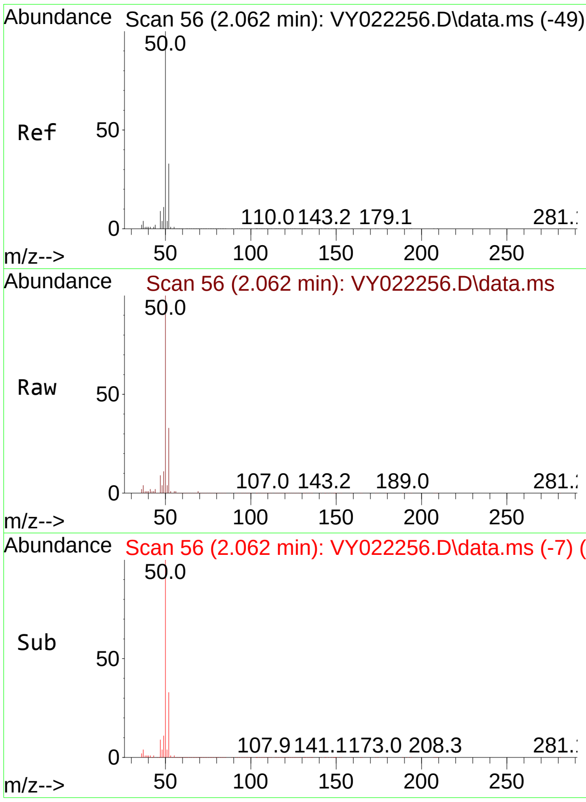
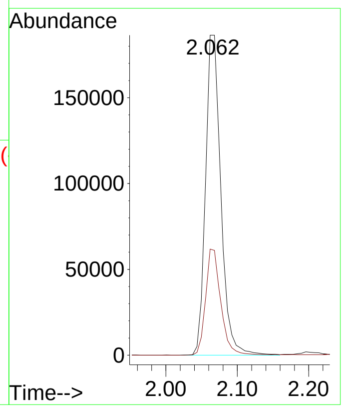
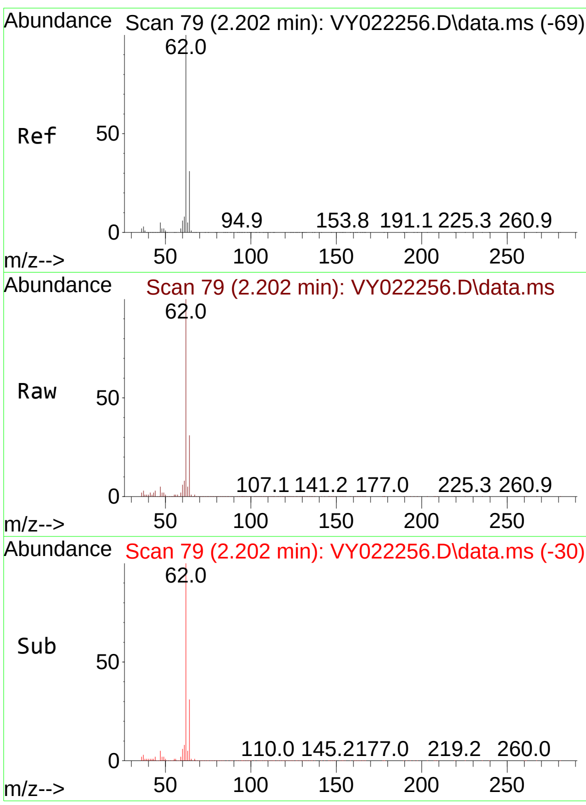


#3
Chloromethane
Concen: 47.481 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 50 Resp: 27889

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

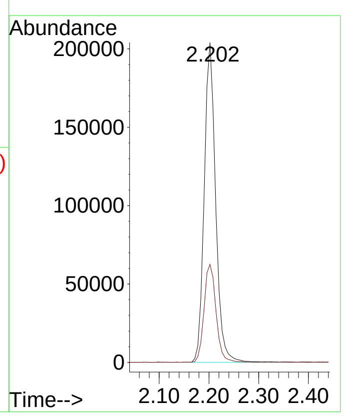




#4
Vinyl Chloride
Concen: 49.341 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 323792

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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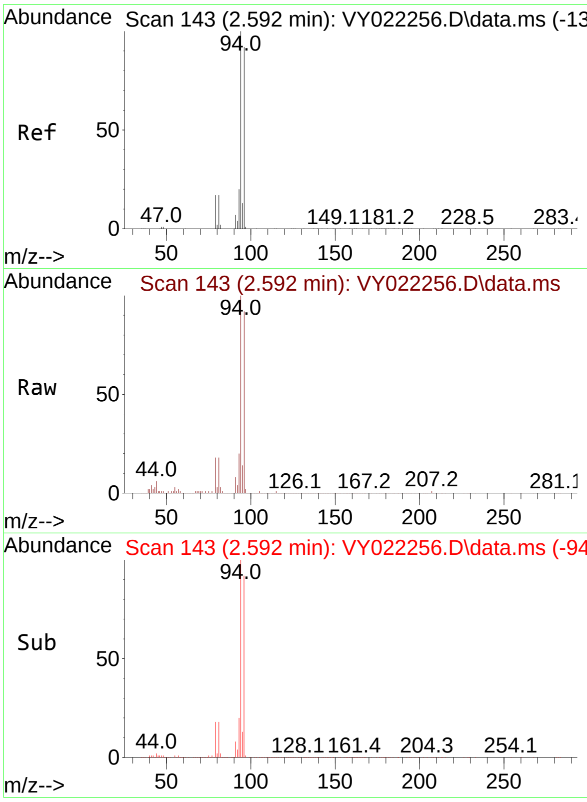
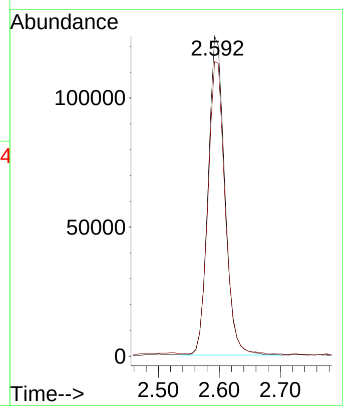
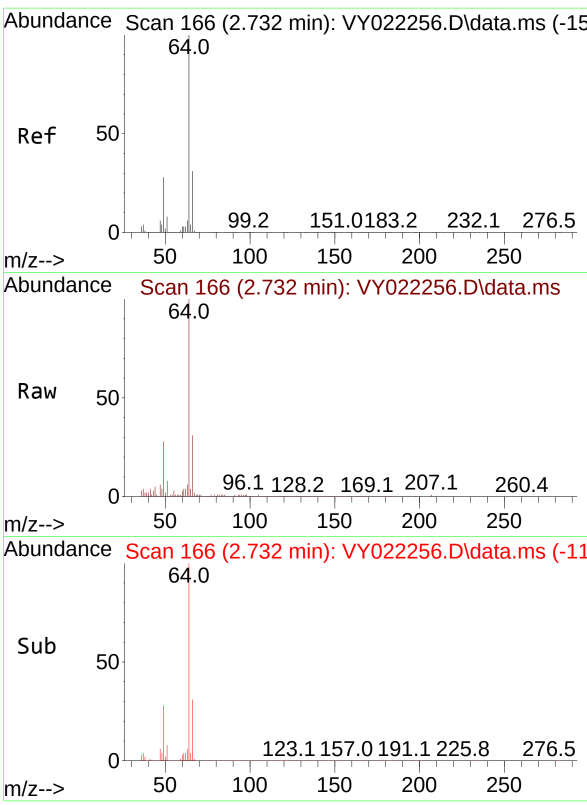


#5
Bromomethane
Concen: 43.941 ug/l
RT: 2.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 94 Resp: 234736

Ion	Ratio	Lower	Upper
94	100		
96	91.7	73.4	110.0

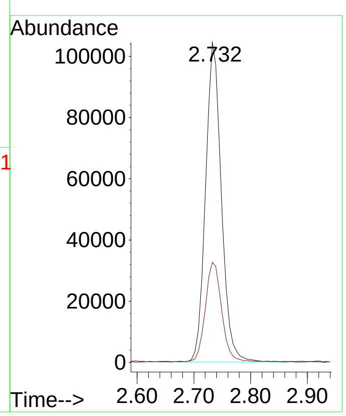




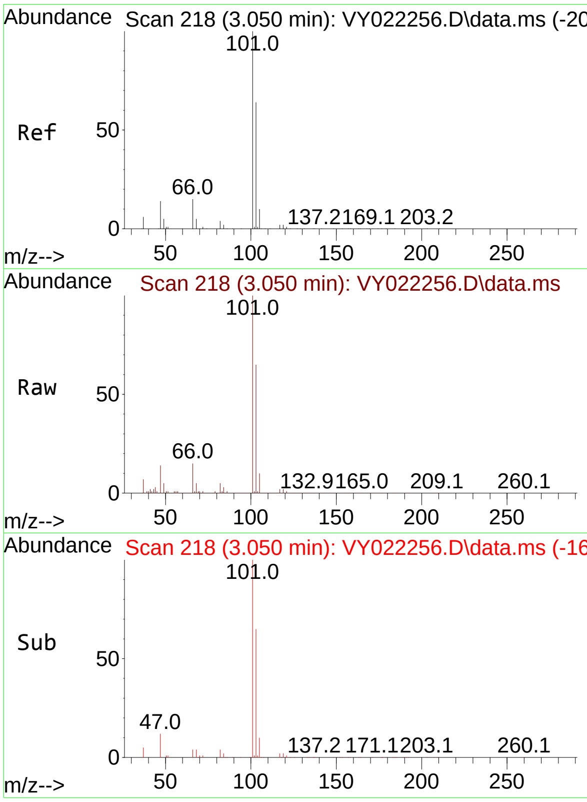
#6
Chloroethane
Concen: 49.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 64 Resp: 202370

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.8	37.2



ICAL Form



#7
Trichlorofluoromethane
Concen: 48.898 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:101 Resp: 324887

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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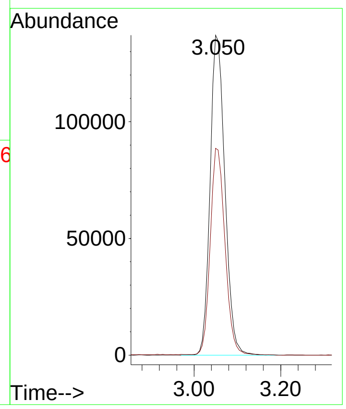
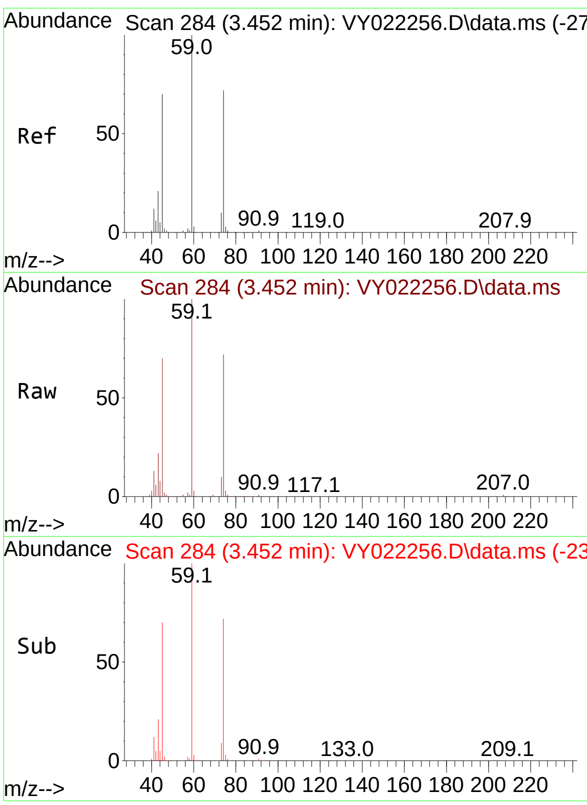
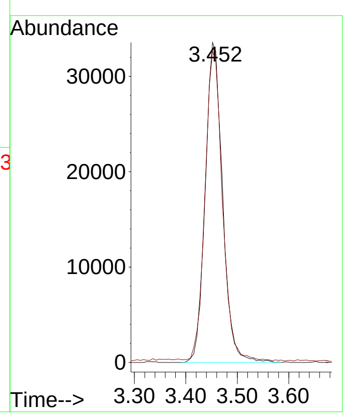


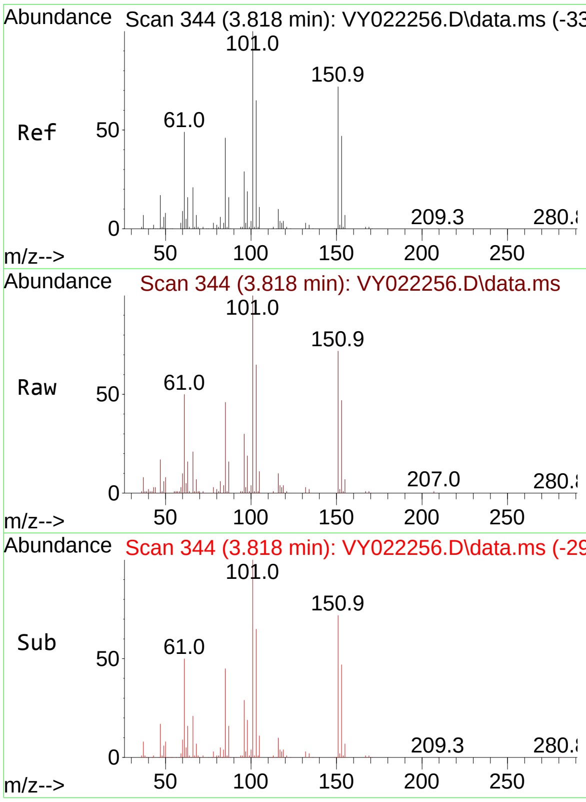


#8
Diethyl Ether
Concen: 49.338 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 74 Resp: 78670

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.930 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:101 Resp: 14401

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	74.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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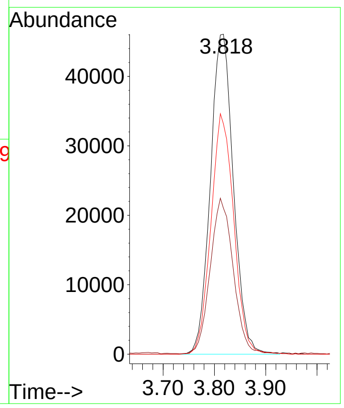
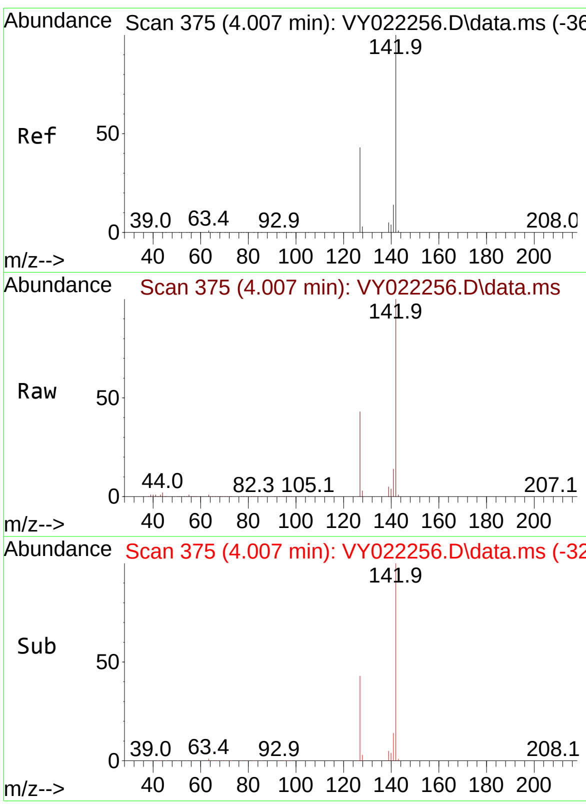
Supervised By :Semsettin Yesilyurt 05/16/2025

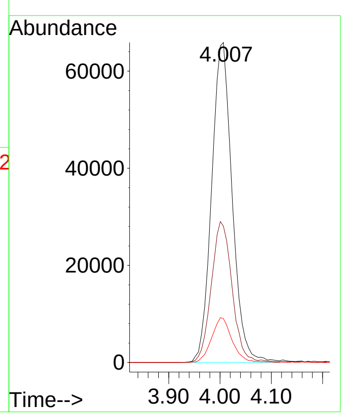




#10
Methyl Iodide
Concen: 55.091 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:142 Resp: 183918

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.7	53.5
141	13.9	11.1	16.7



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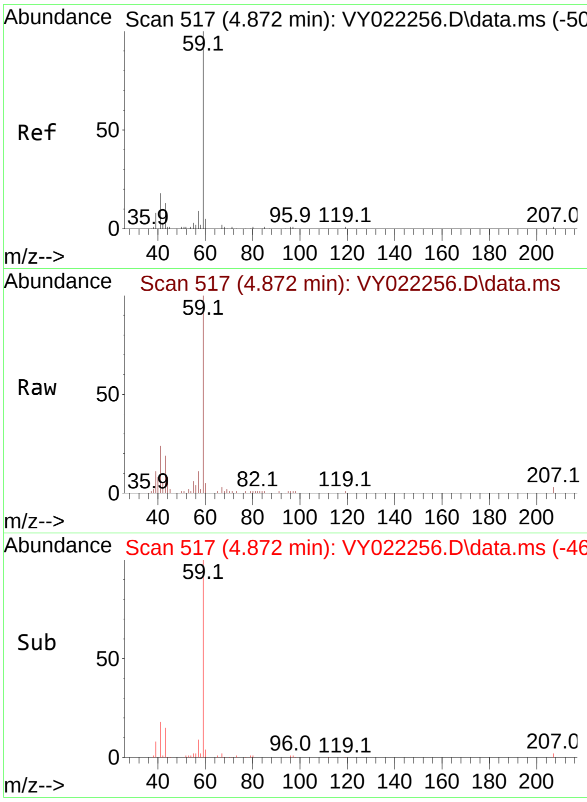

#11
Tert butyl alcohol
Concen: 231.036 ug/l
RT: 4.872 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 59 Resp: 51598

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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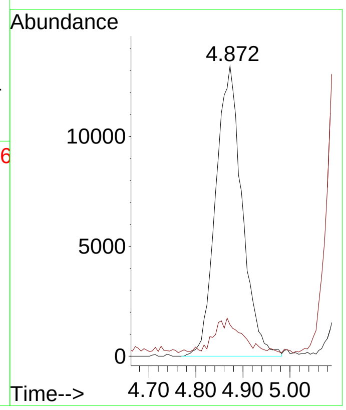
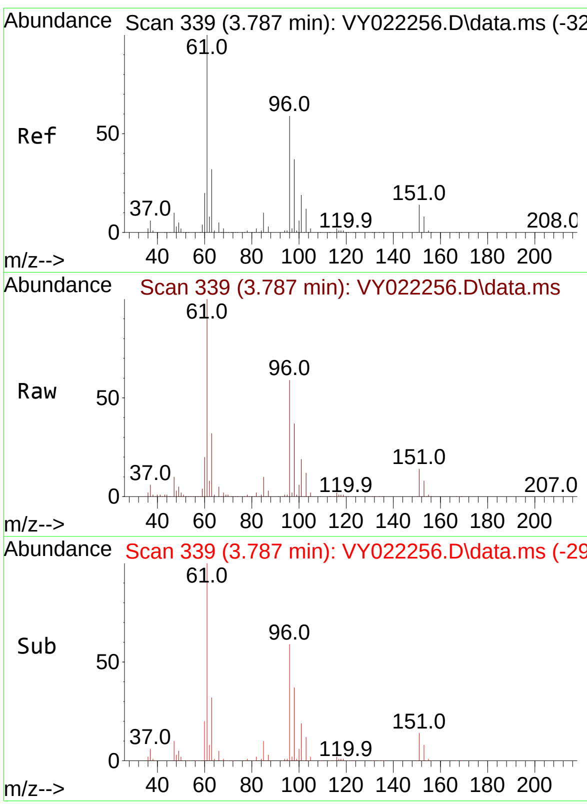
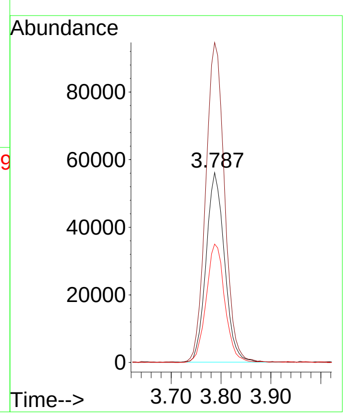


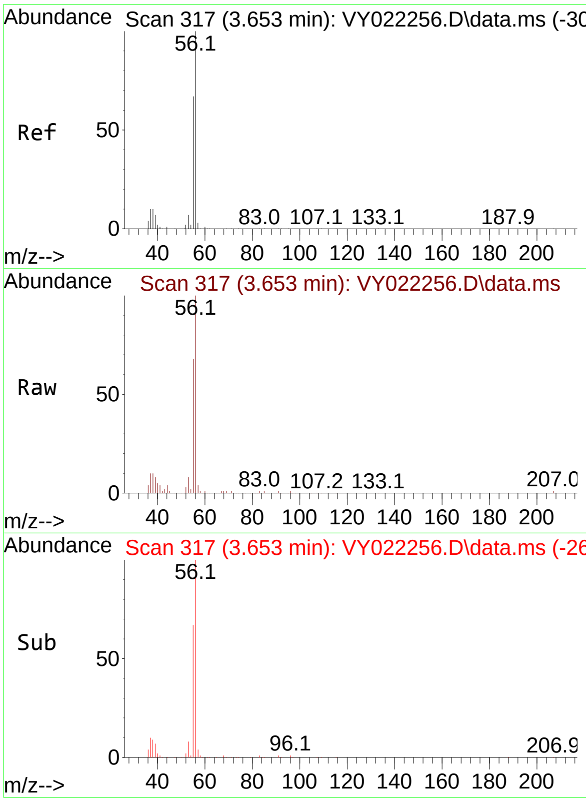


#12
1,1-Dichloroethene
Concen: 50.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 144103

Ion	Ratio	Lower	Upper
96	100		
61	168.6	134.9	202.3
98	62.4	49.9	74.9





#13
Acrolein
Concen: 231.010 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 75421

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

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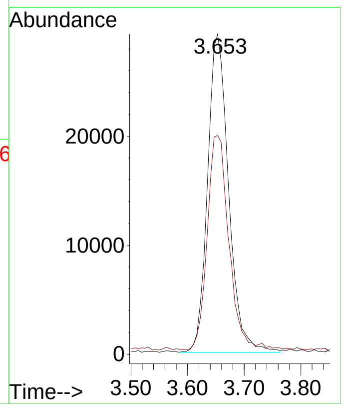
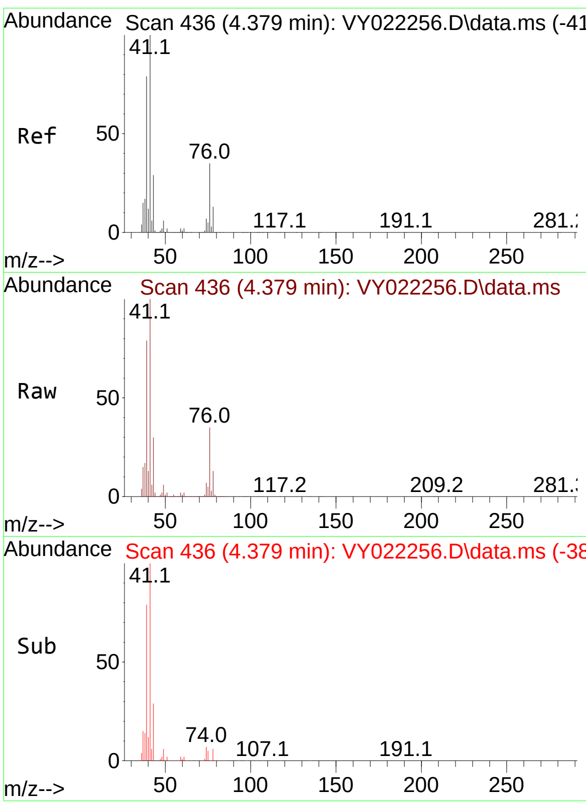
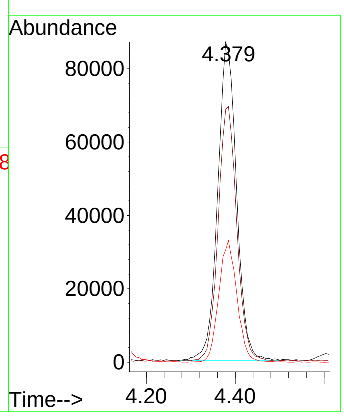


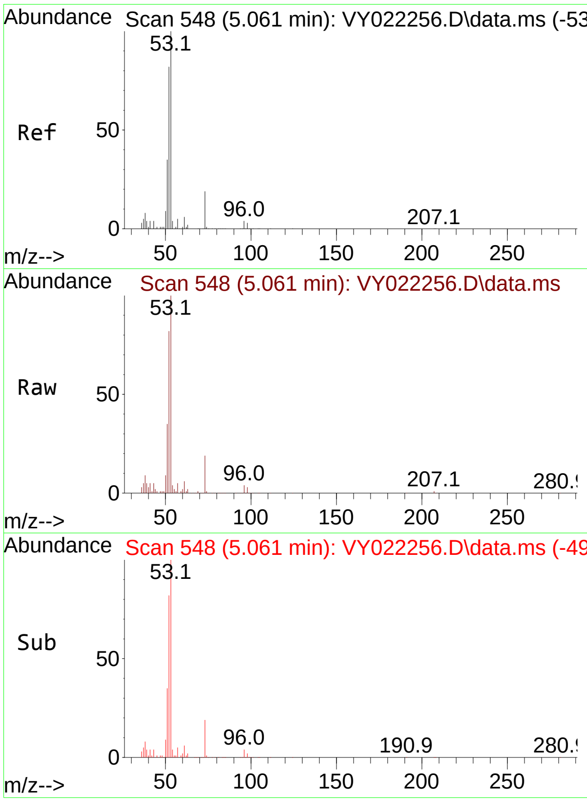


#14
Allyl chloride
Concen: 51.106 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 256499

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.9	29.5	44.3





#15
Acrylonitrile
Concen: 244.283 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 53 Resp: 16049

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.5	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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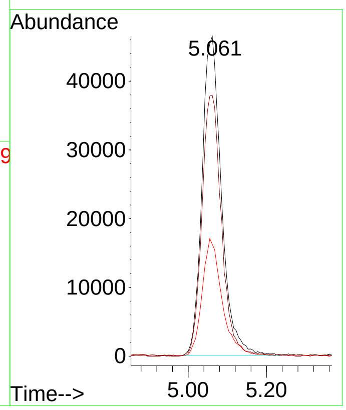
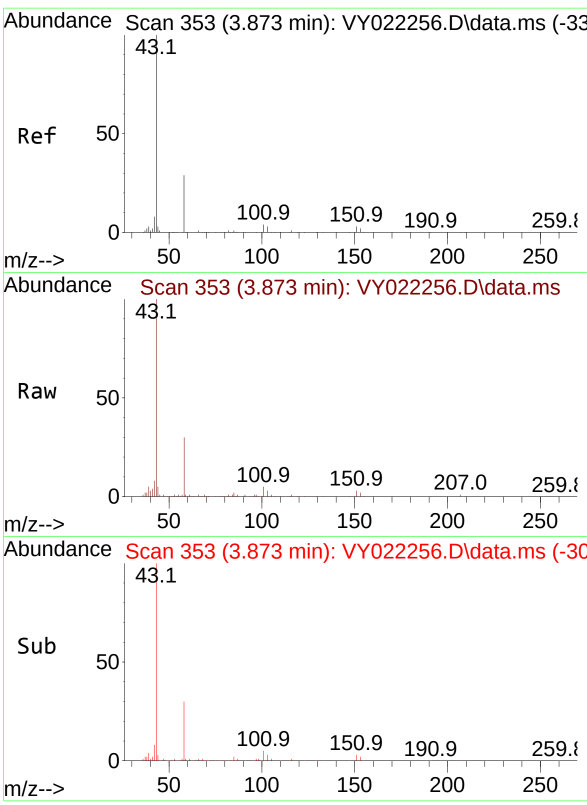
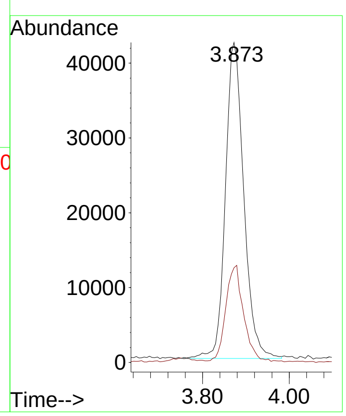




#16
Acetone
Concen: 226.888 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 124421

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4



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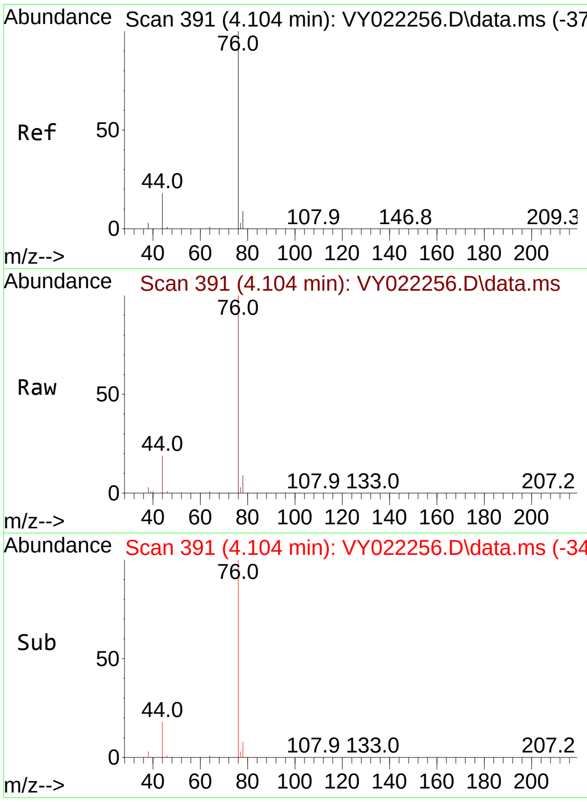

#17
Carbon Disulfide
Concen: 50.244 ug/l
RT: 4.104 min   Scan# 39
Delta R.T.   0.000 min
Lab File: VY022256.D
Acq: 15 May 2025   11:02

Tgt Ion: 76 Resp: 46897
Ion   Ratio   Lower   Upper
76   100
78   9.0   7.2   10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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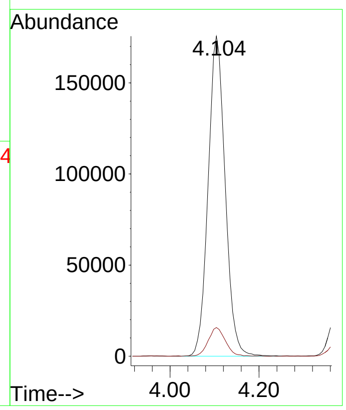
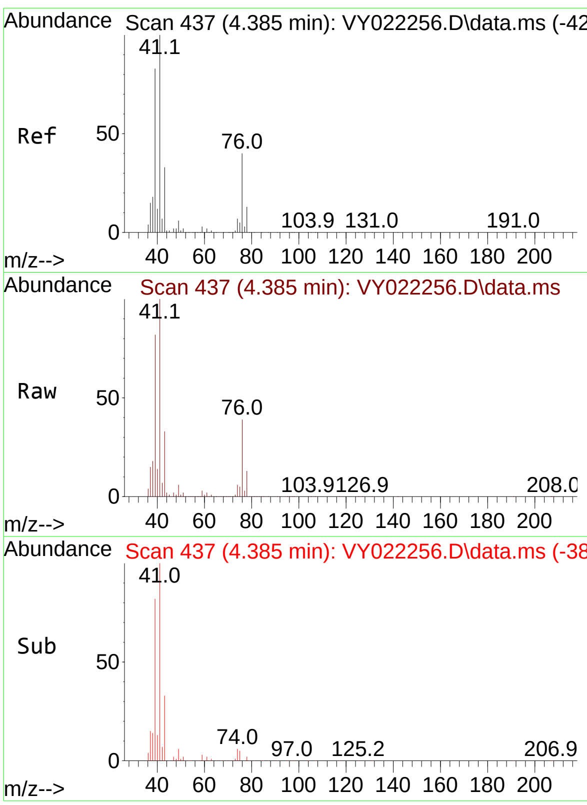
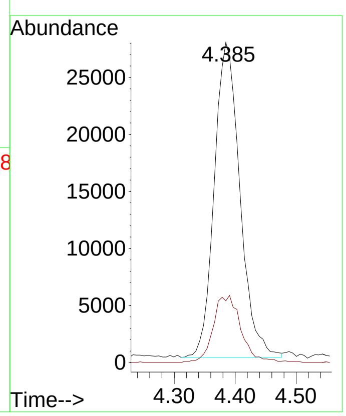
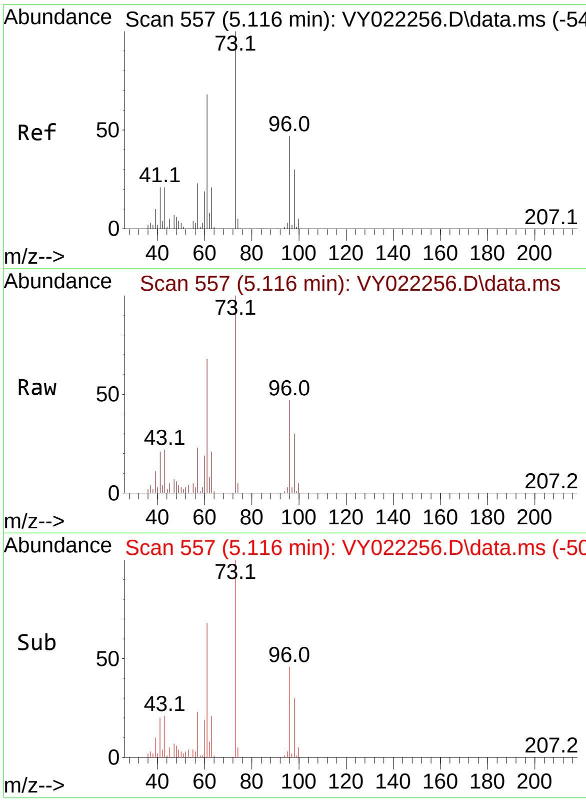




#18
Methyl Acetate
Concen: 48.436 ug/l
RT: 4.385 min   Scan# 437
Delta R.T.   0.000 min
Lab File: VY022256.D
Acq: 15 May 2025   11:02

Tgt Ion: 43 Resp: 80820
Ion   Ratio   Lower   Upper
43   100
74   22.8   18.2   27.4





#19
Methyl tert-butyl Ether
Concen: 49.466 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 73 Resp: 39041

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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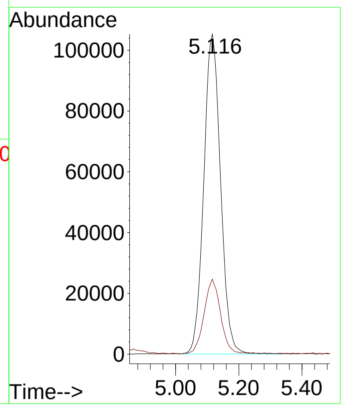
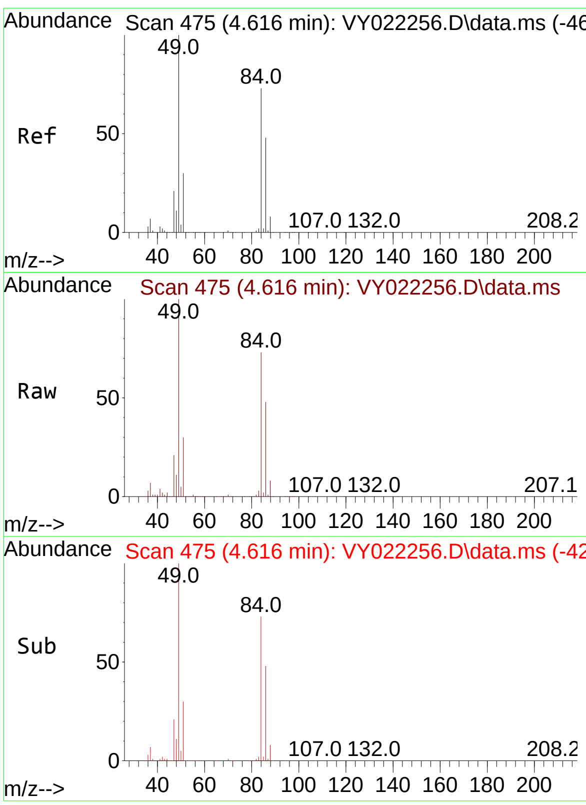
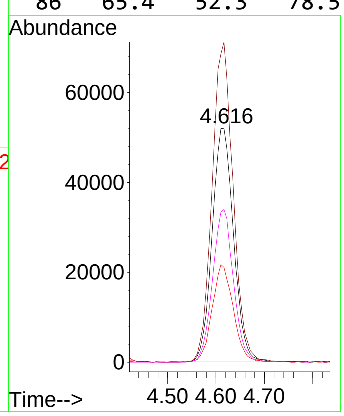


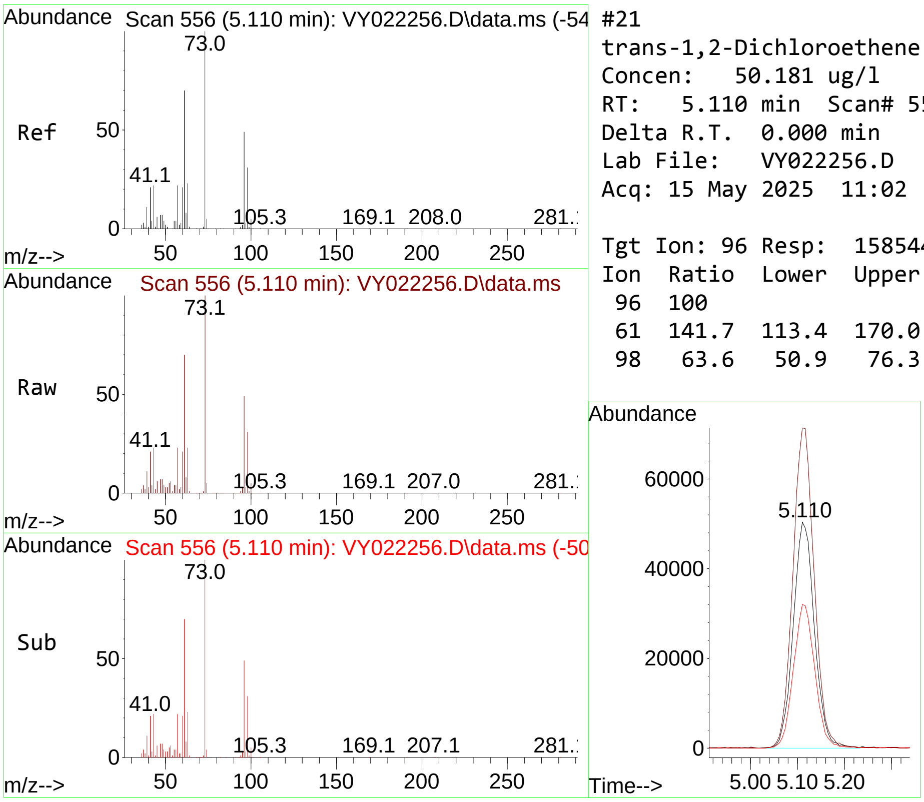


#20
Methylene Chloride
Concen: 45.087 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 84 Resp: 159764

Ion	Ratio	Lower	Upper
84	100		
49	137.0	109.6	164.4
51	40.5	32.4	48.6
86	65.4	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 50.181 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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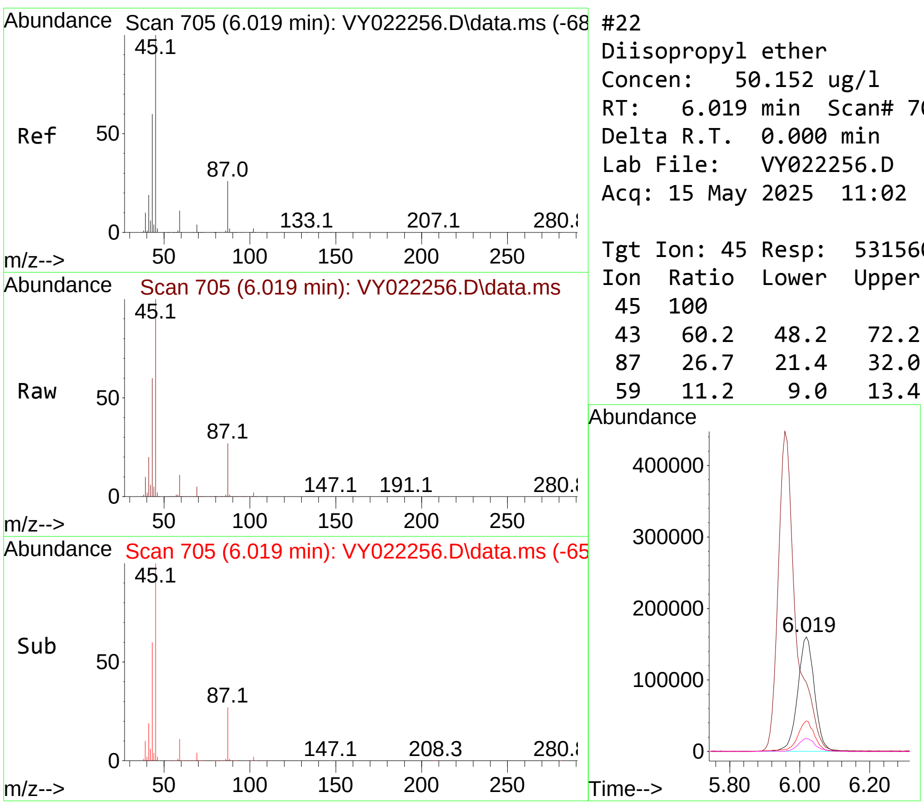
Tgt Ion: 96 Resp: 15854

Ion	Ratio	Lower	Upper
96	100		
61	141.7	113.4	170.0
98	63.6	50.9	76.3

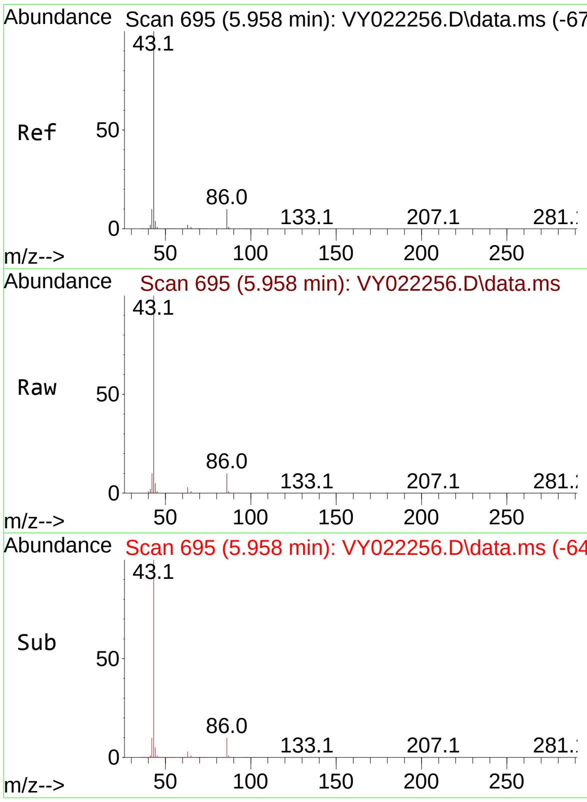


#22
Diisopropyl ether
Concen: 50.152 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 45 Resp: 531560

Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	26.7	21.4	32.0
59	11.2	9.0	13.4

ICAL Form



#23
Vinyl Acetate
Concen: 245.223 ug/l
RT: 5.958 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 157021

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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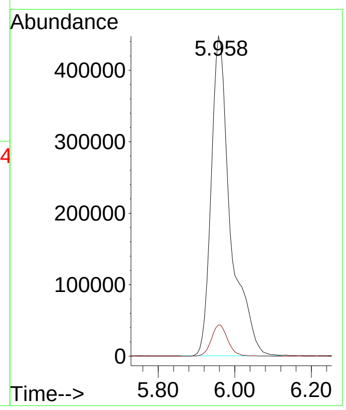
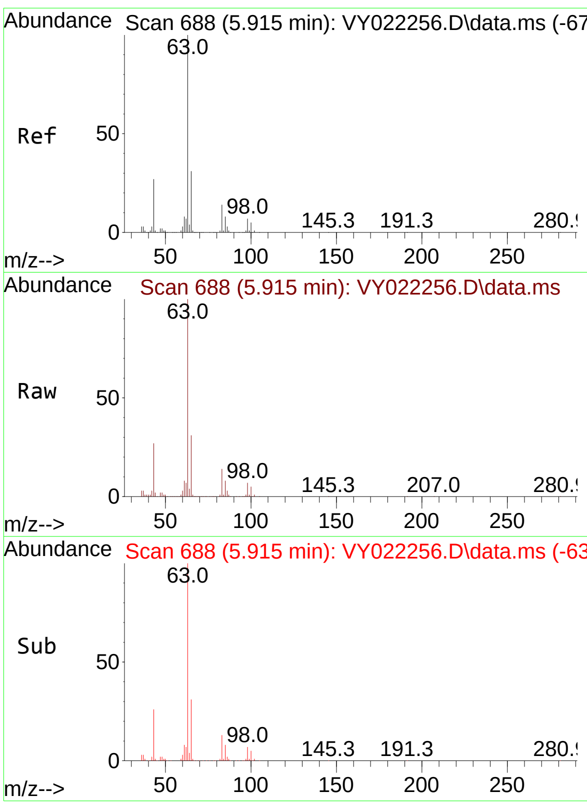
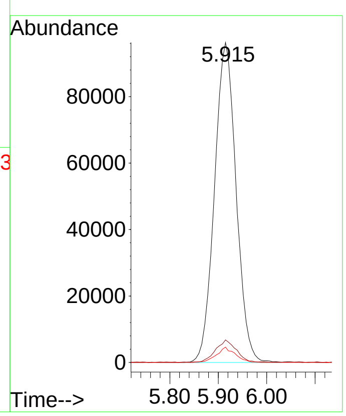




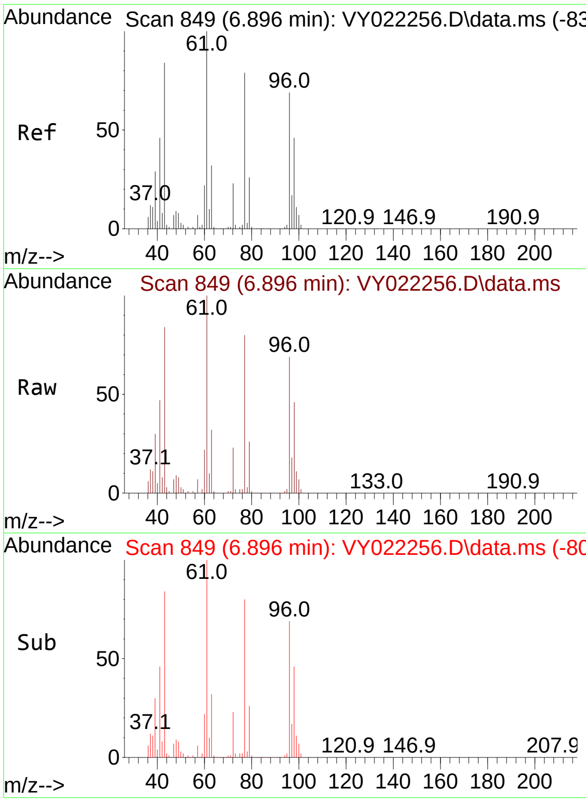
#24
1,1-Dichloroethane
Concen: 50.465 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 298823

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.8	2.4	7.2



ICAL Form



#25
2-Butanone
Concen: 235.291 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

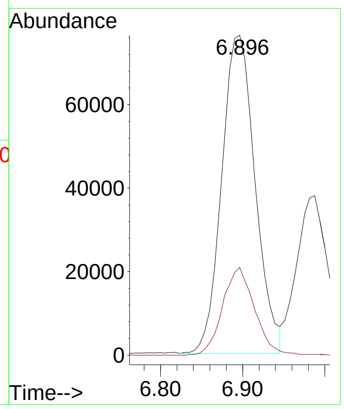
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

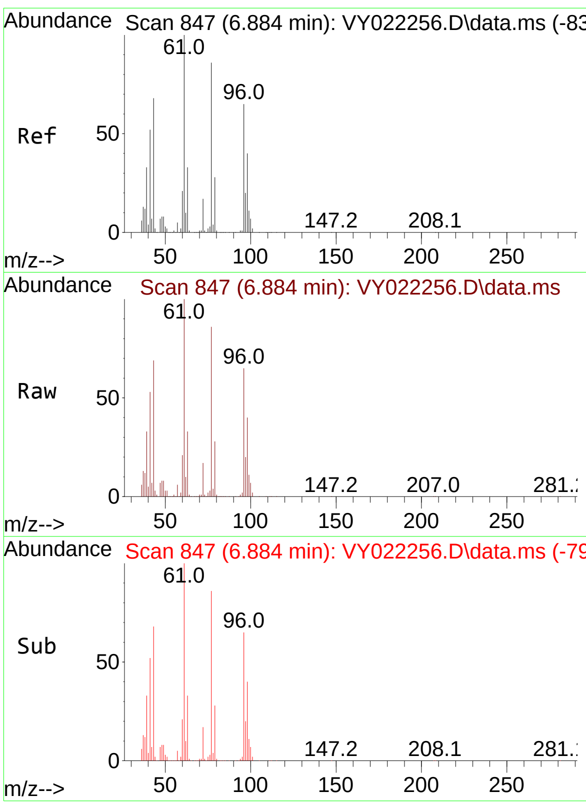
Tgt Ion: 43 Resp: 21582

Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.1	33.1

Manual Integrations APPROVED

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

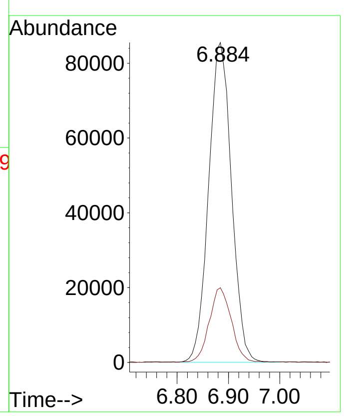


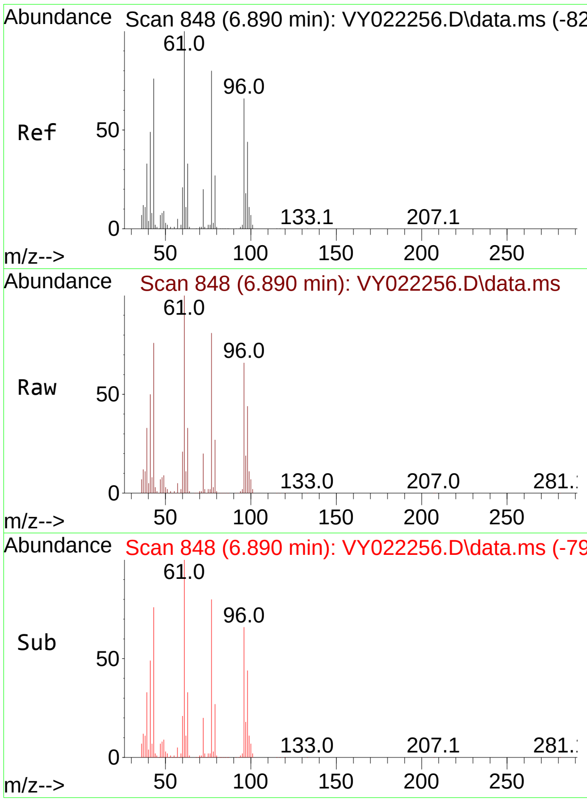


#26
2,2-Dichloropropane
Concen: 50.153 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 77 Resp: 264141

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





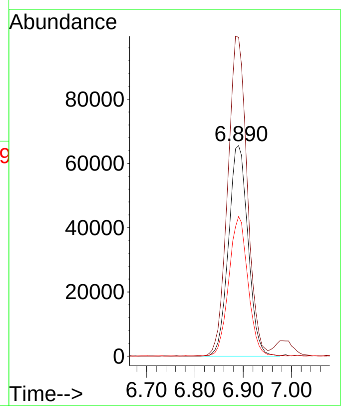
#27
cis-1,2-Dichloroethene
Concen: 50.698 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

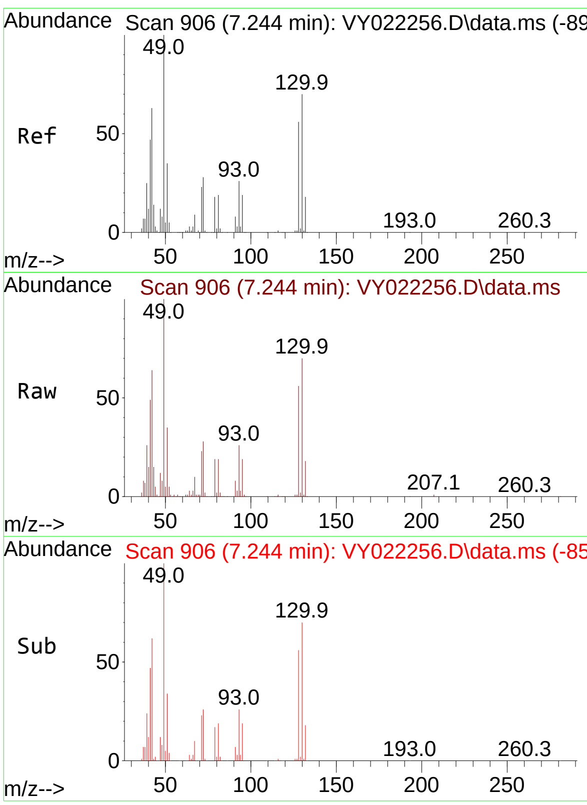
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 18484

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	302.6
98	64.4	0.0	128.8

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

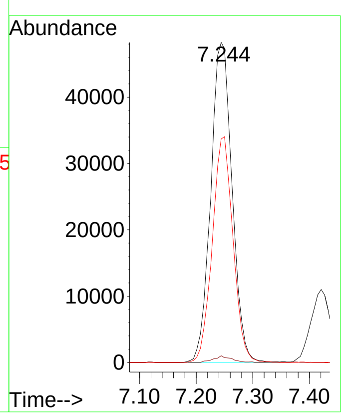


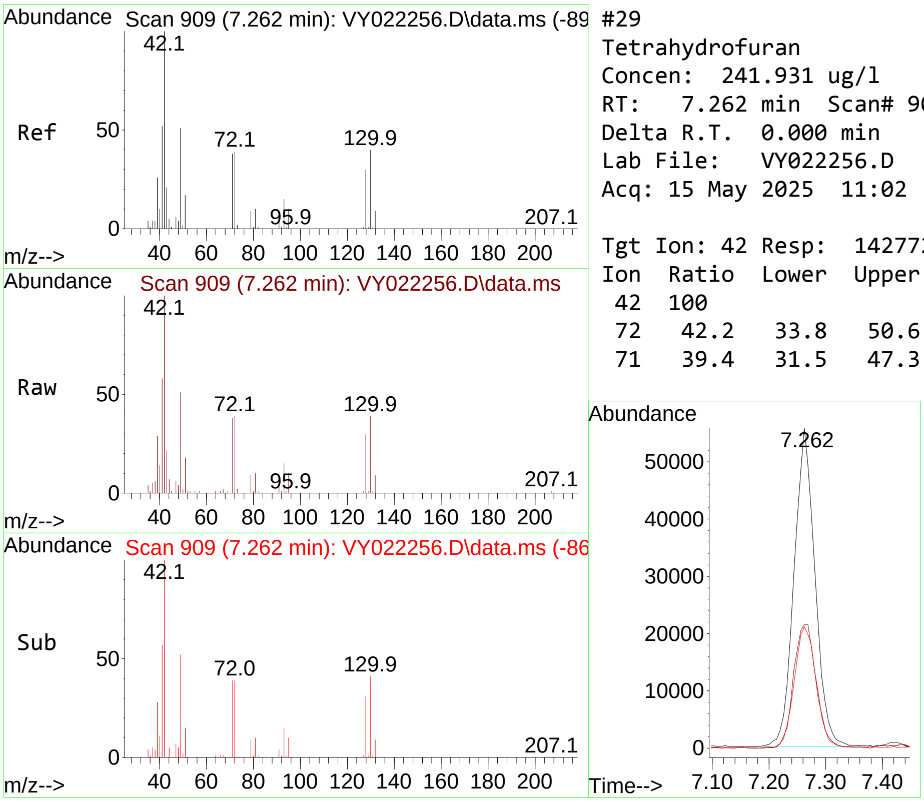


#28
Bromochloromethane
Concen: 50.100 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 49 Resp: 126541

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.4	54.7	82.1





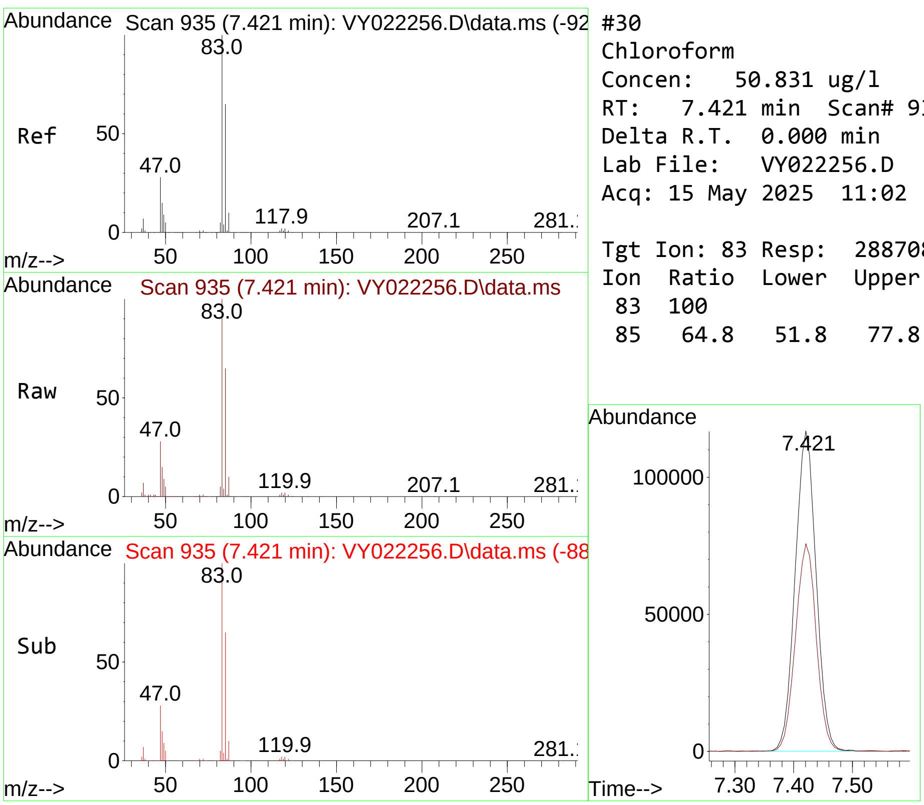
#29
Tetrahydrofuran
Concen: 241.931 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 42 Resp: 14277

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.4	31.5	47.3

Instrument : MSVOA_Y
ClientSampleId : VSTDICCC050

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

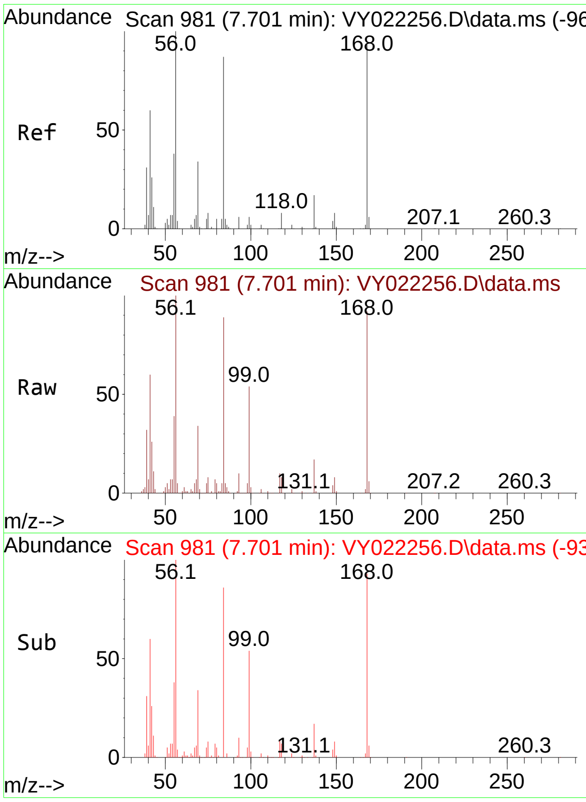


#30
Chloroform
Concen: 50.831 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 288708

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8

ICAL Form



#31
Cyclohexane
Concen: 47.728 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

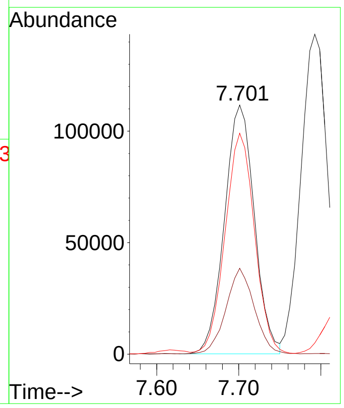
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

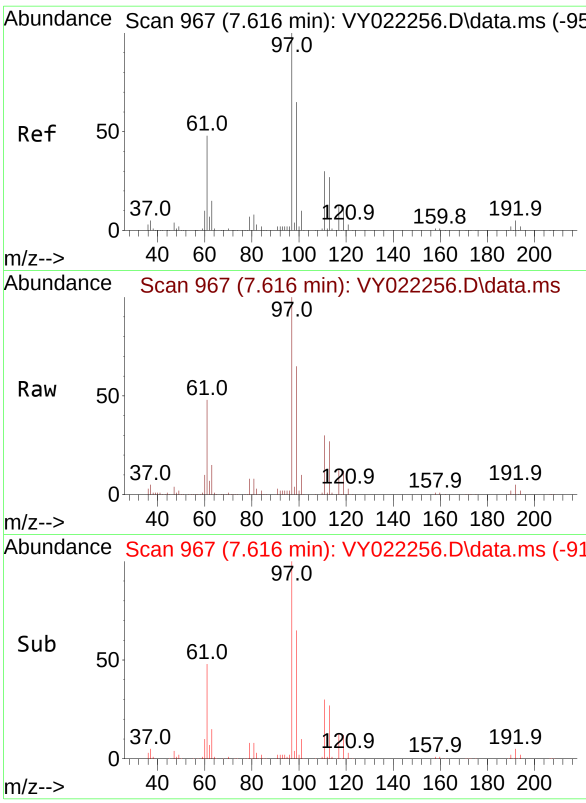
Manual Integrations APPROVED

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

Tgt Ion: 56 Resp: 28237

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.4	41.2
84	87.5	70.0	105.0

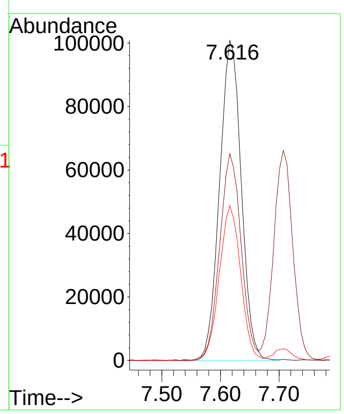


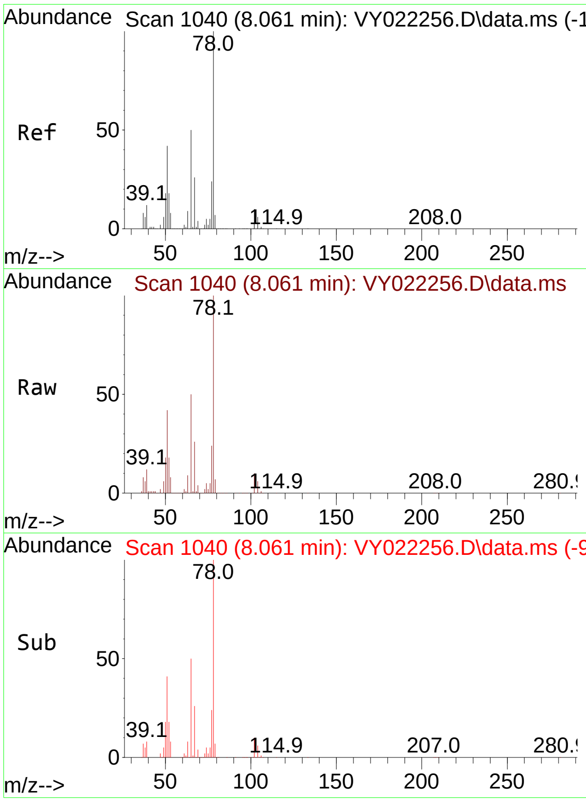


#32
1,1,1-Trichloroethane
Concen: 49.777 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 97 Resp: 259382

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.6	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 49.481 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 14471

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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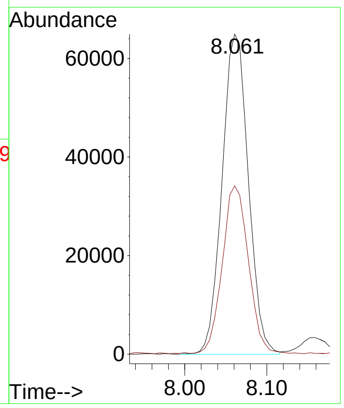
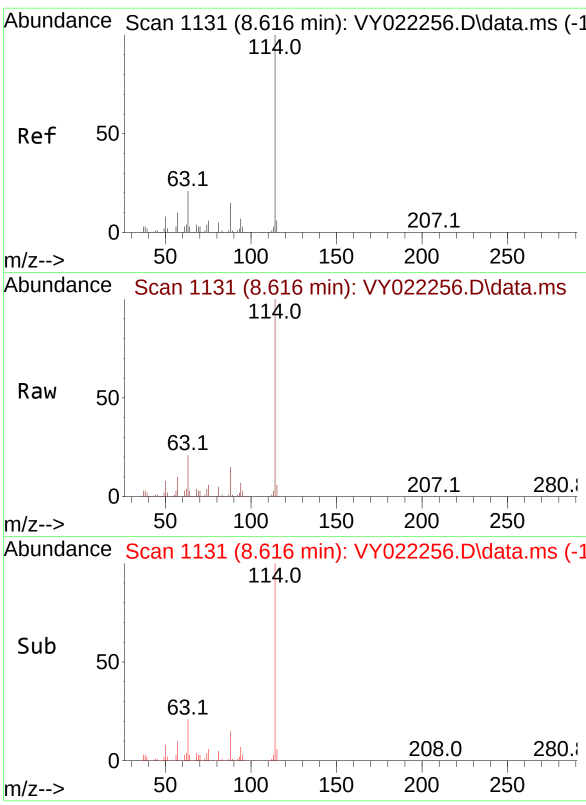
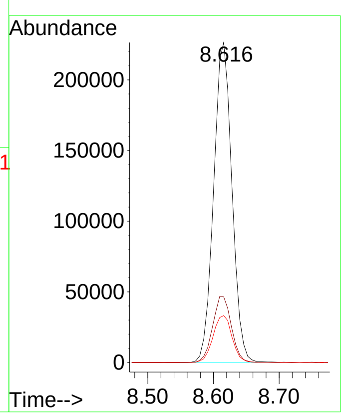




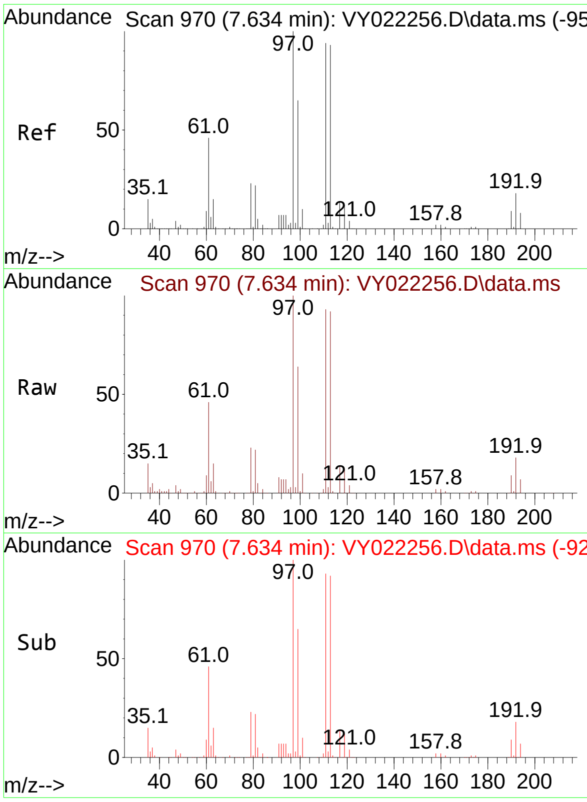
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:114 Resp: 439323

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.7	0.0	29.4



ICAL Form



#35
Dibromofluoromethane
Concen: 50.495 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

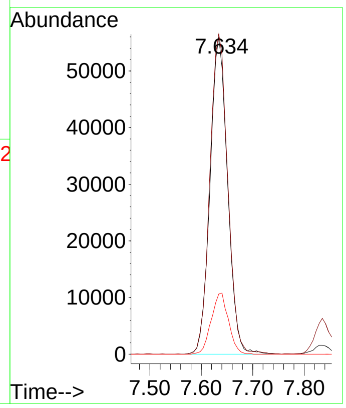
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

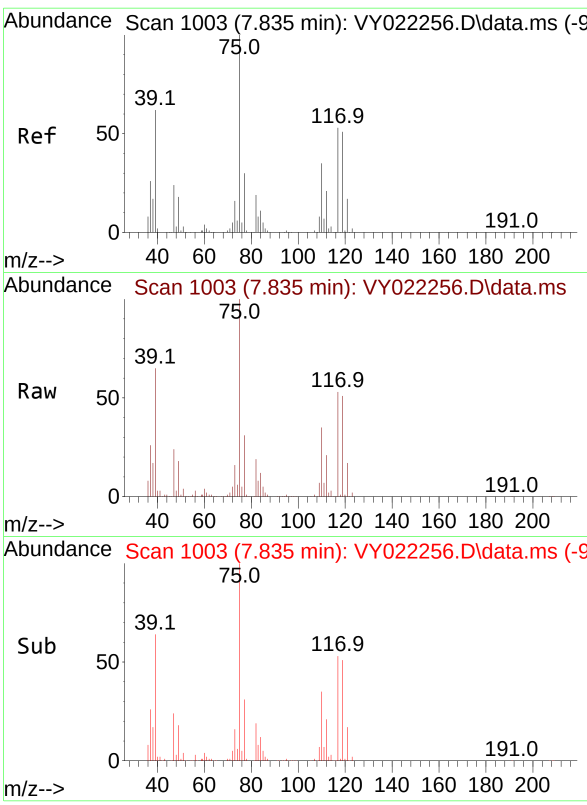
Tgt Ion:113 Resp: 13240

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	19.0	15.2	22.8

Manual Integrations APPROVED

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

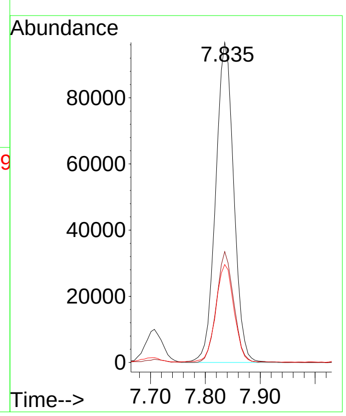




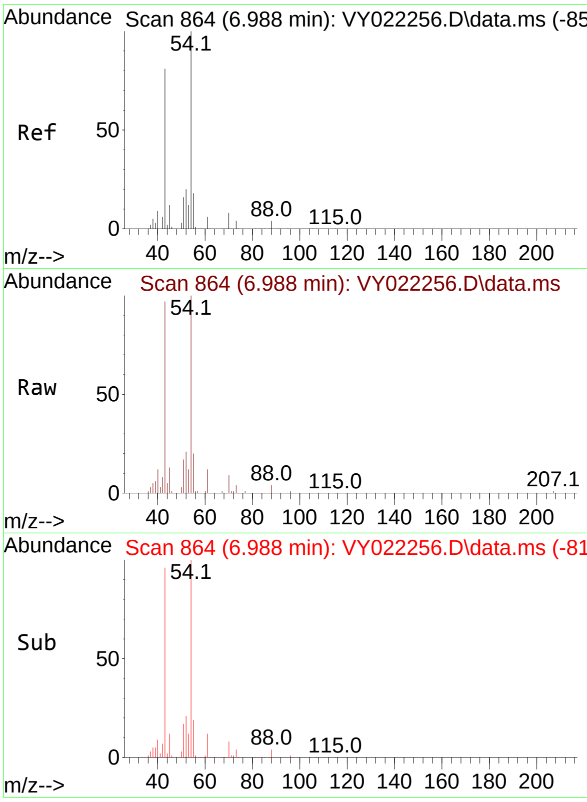
#36
1,1-Dichloropropene
Concen: 51.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 221943

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.8	24.6	37.0



ICAL Form



#37
Ethyl Acetate
Concen: 49.529 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

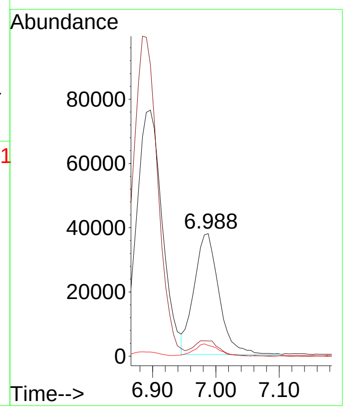
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

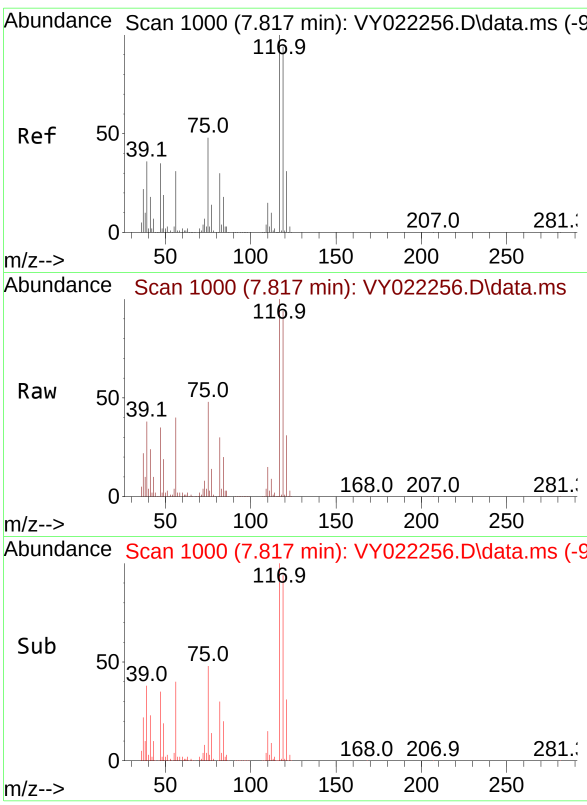
Tgt Ion: 43 Resp: 10292

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.5	7.6	11.4

Manual Integrations APPROVED

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

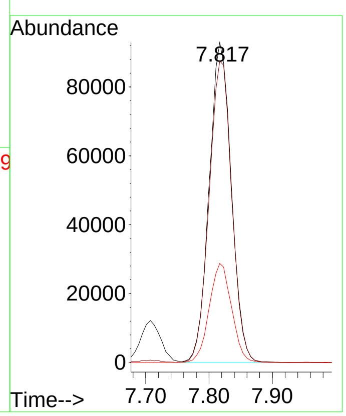


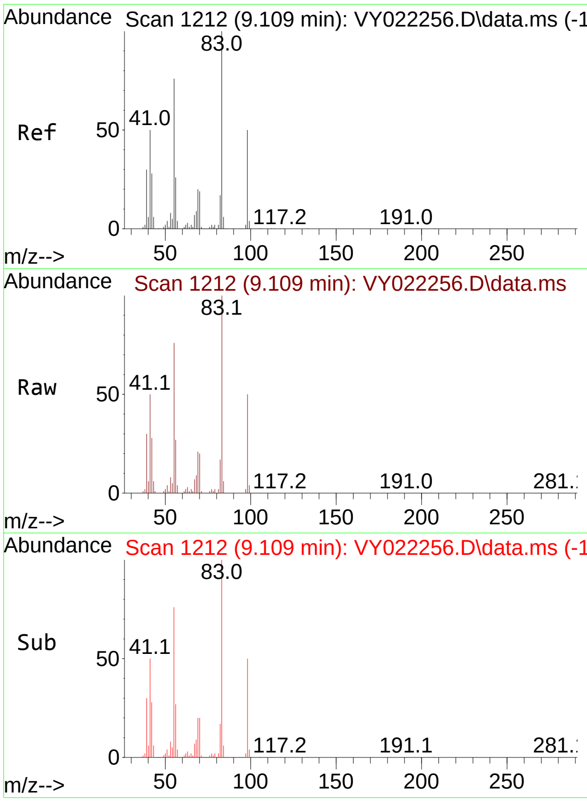


#38
Carbon Tetrachloride
Concen: 50.754 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 226903

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	30.9	24.7	37.1





#39
Methylcyclohexane
Concen: 50.726 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

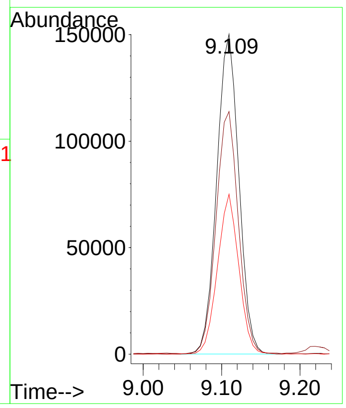
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

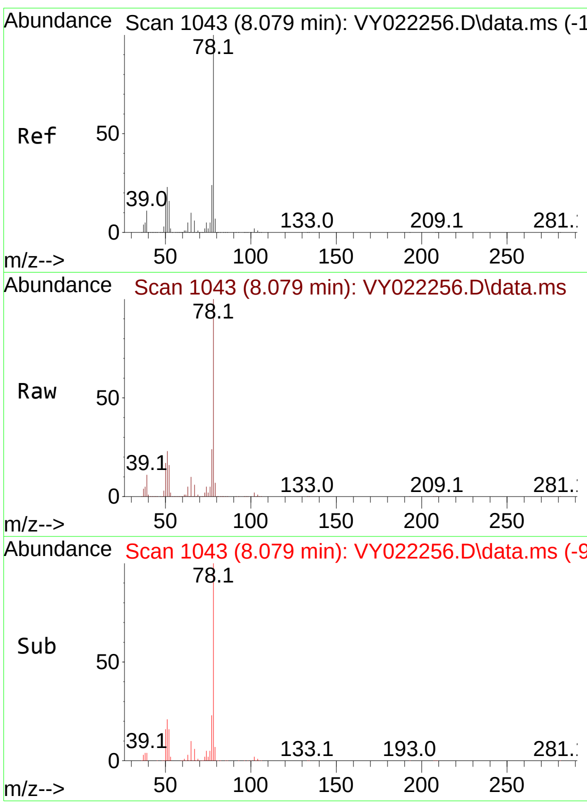
Tgt Ion: 83 Resp: 29433

Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.6	90.8
98	50.0	40.0	60.0

Manual Integrations APPROVED

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

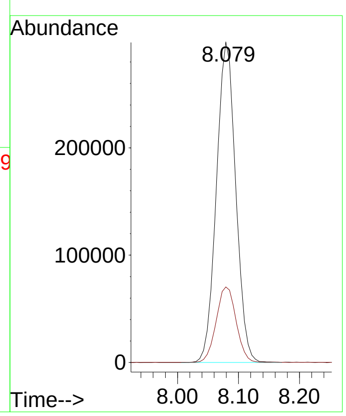




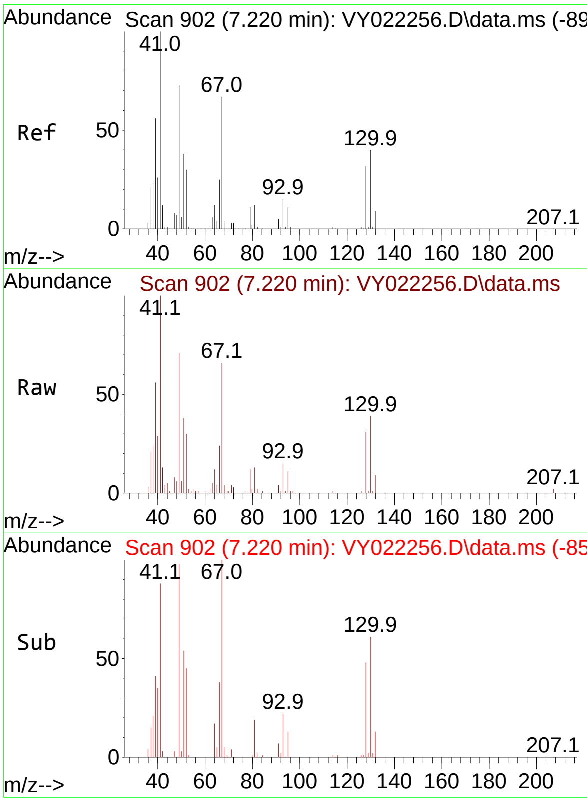
#40
Benzene
Concen: 51.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 78 Resp: 658644

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



ICAL Form



#41
Methacrylonitrile
Concen: 45.691 ug/l m
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 6947(

Ion	Ratio	Lower	Upper
41	100		
39	48.8	39.1	58.7
67	58.7	47.1	70.7
52	26.7	21.4	32.0

Manual Integrations
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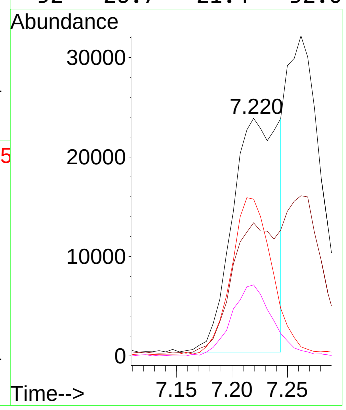
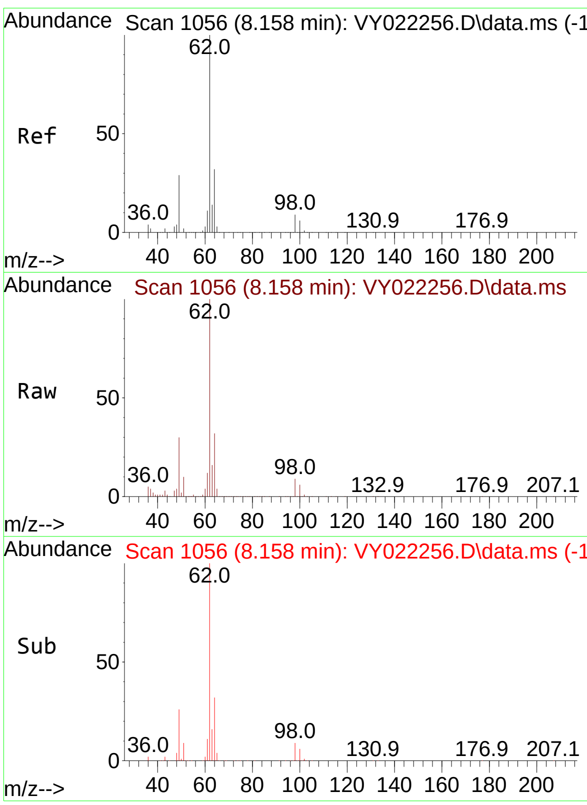
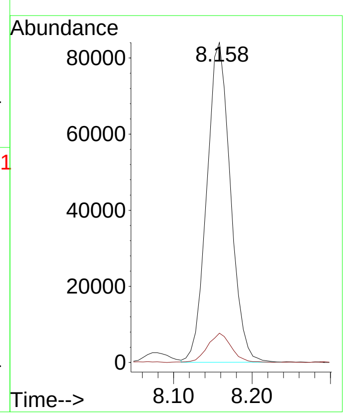


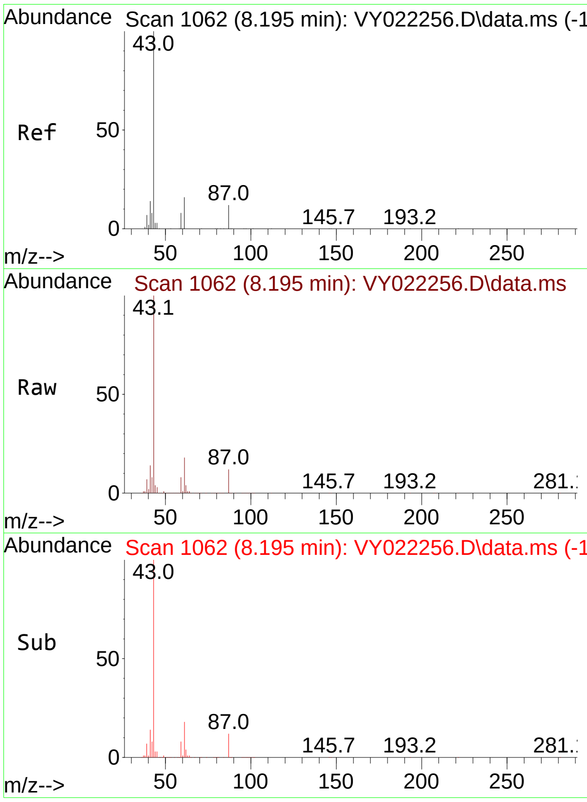


#42
1,2-Dichloroethane
Concen: 50.954 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 176425

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43
Isopropyl Acetate
Concen: 49.785 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

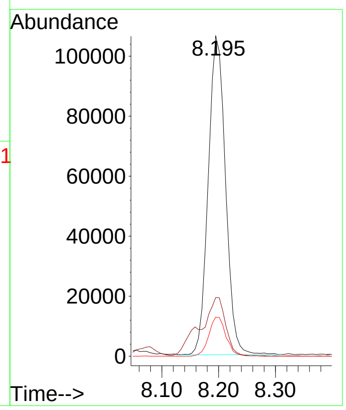
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

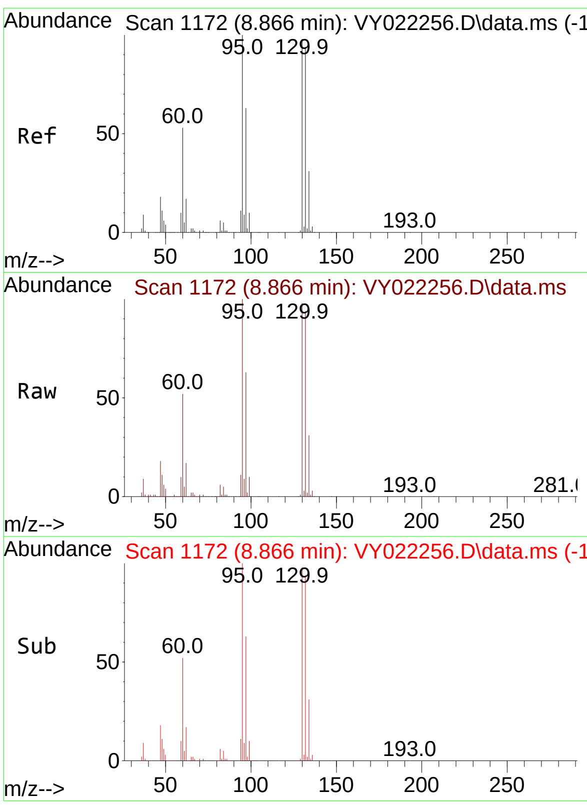
Tgt Ion: 43 Resp: 22562

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.1	9.7	14.5

Manual Integrations
APPROVED

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

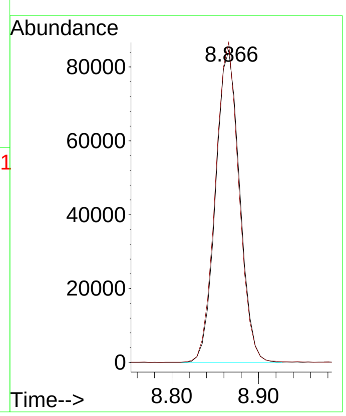




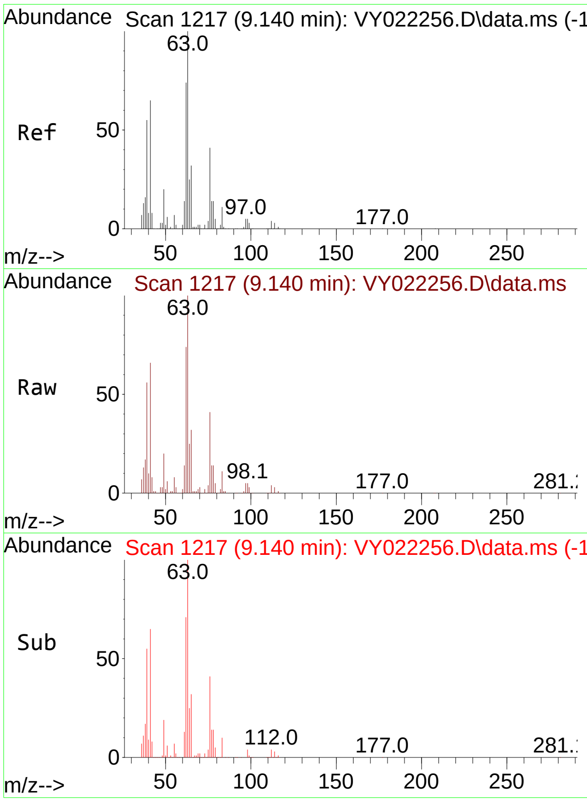
#44
Trichloroethene
Concen: 51.138 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:130 Resp: 162802

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	204.8



ICAL Form



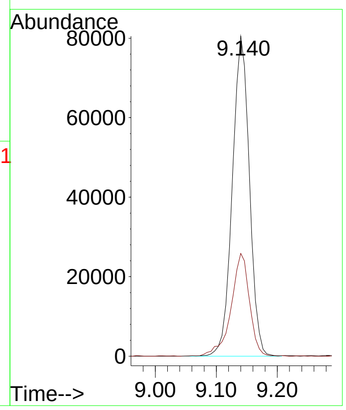
#45
1,2-Dichloropropane
Concen: 50.819 ug/l
RT: 9.140 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VY022256.D
Acq: 15 May 2025   11:02

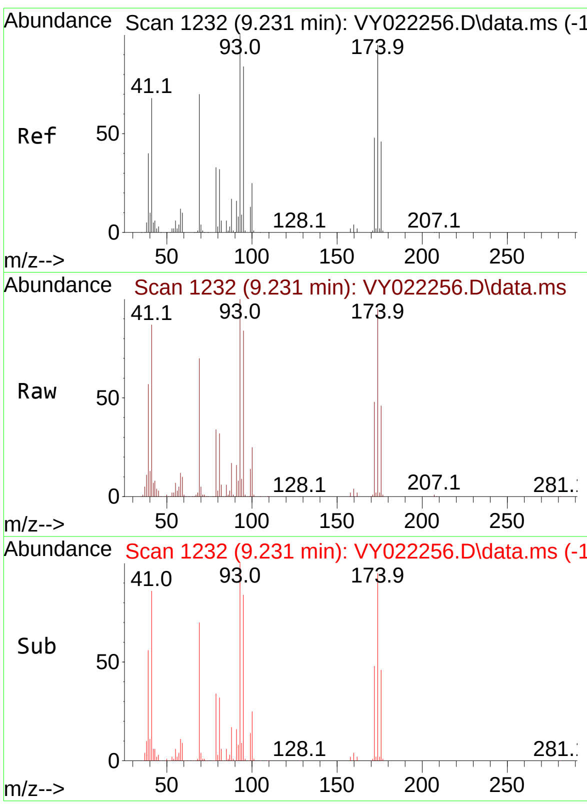
Tgt Ion: 63 Resp: 15687

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

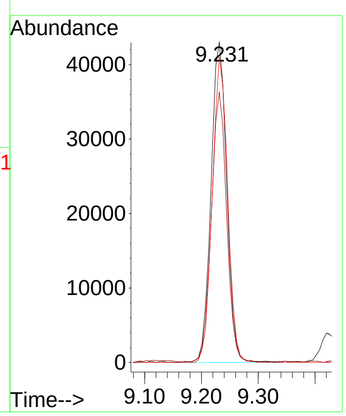




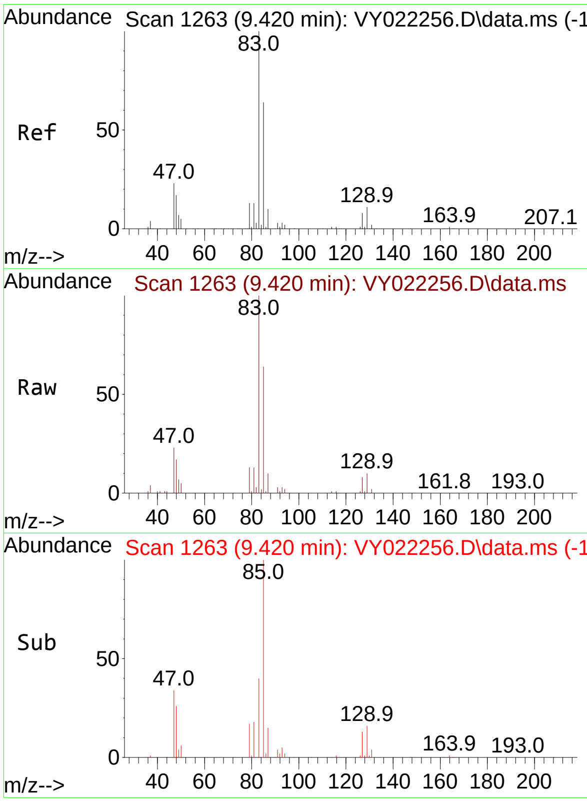
#46
Dibromomethane
Concen: 49.849 ug/l
RT: 9.231 min   Scan# 1232
Delta R.T.   0.000 min
Lab File: VY022256.D
Acq: 15 May 2025   11:02

Tgt Ion: 93 Resp: 82994

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.2	97.8
174	92.9	74.3	111.5



ICAL Form



#47
Bromodichloromethane
Concen: 51.435 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 22215

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	10.0

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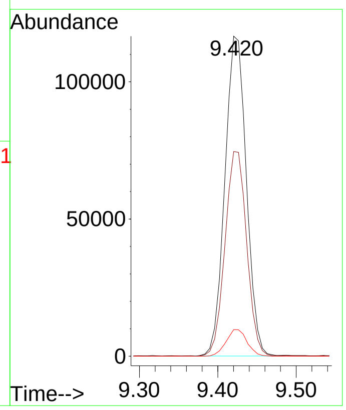
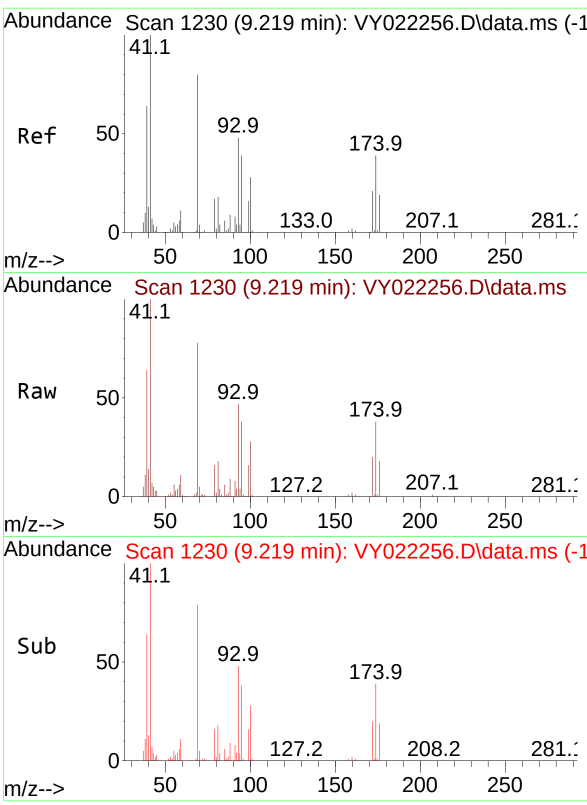
Supervised By :Semsettin Yesilyurt 05/16/2025

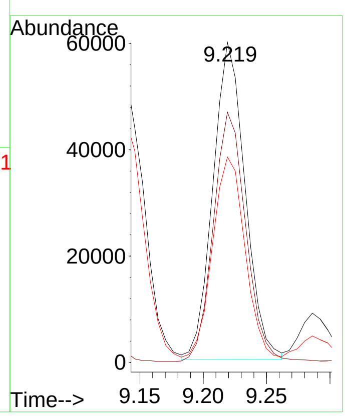


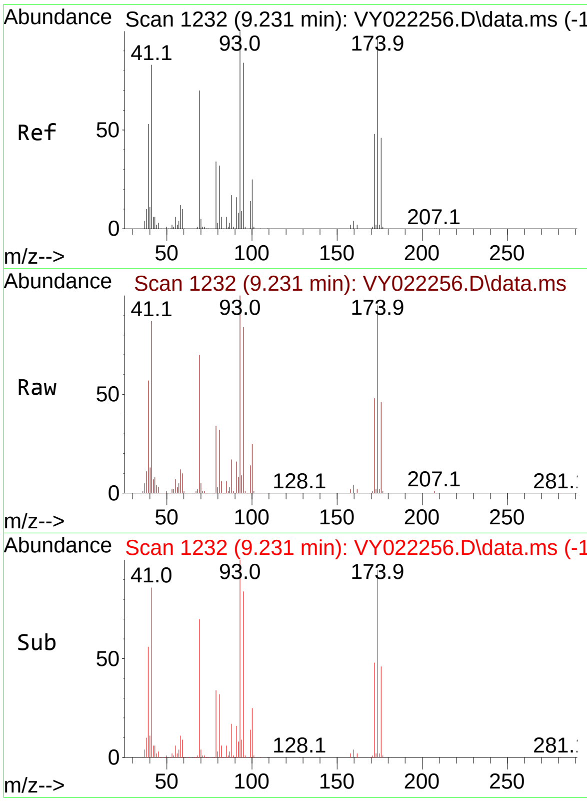


#48
Methyl methacrylate
Concen: 49.726 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 105390

Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.5	95.3
39	63.5	50.8	76.2





#49
1,4-Dioxane
Concen: 958.446 ug/l
RT: 9.231 min   Scan# 1:
Delta R.T.   0.000 min
Lab File: VY022256.D
Acq: 15 May 2025   11:02

Tgt Ion: 88 Resp: 1802

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	76.8	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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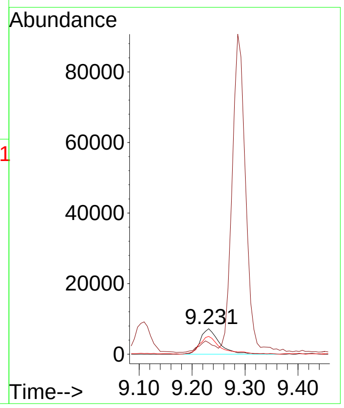
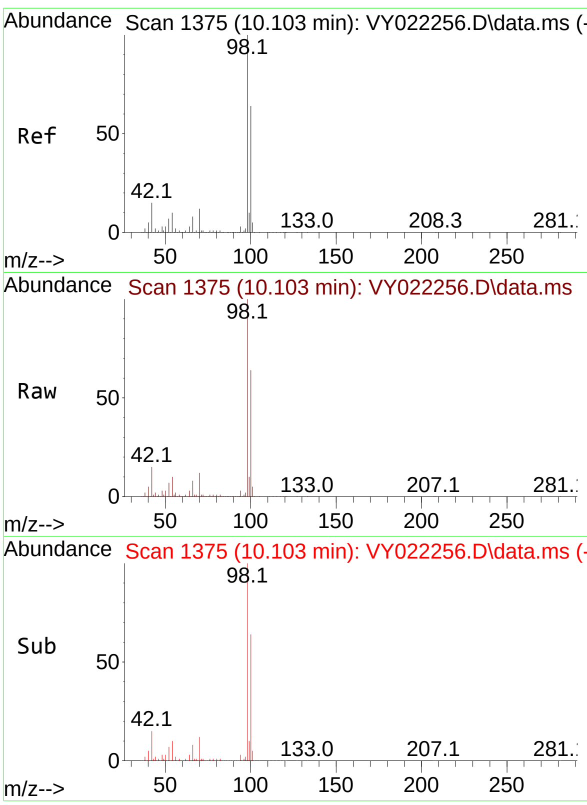
Reviewed By :Mahesh Dadoda   05/16/2025
Supervised By :Semsettin Yesilyurt   05/16/2025

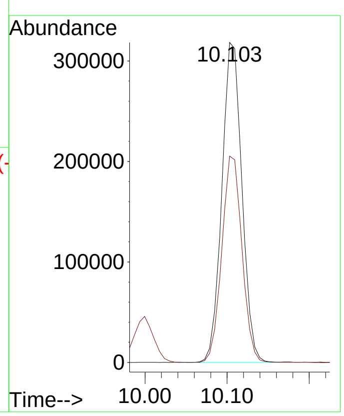




#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.103 min   Scan# 1375
Delta R.T.   0.000 min
Lab File: VY022256.D
Acq: 15 May 2025   11:02

Tgt Ion: 98 Resp: 540296

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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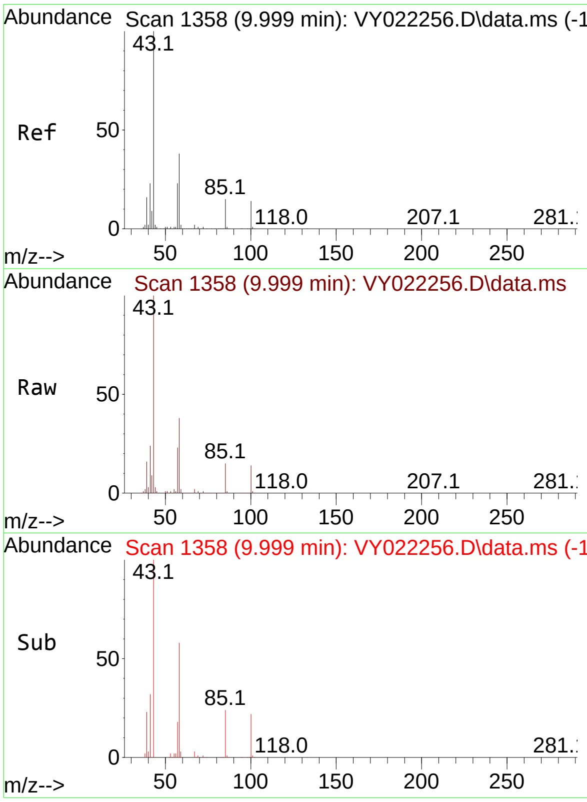
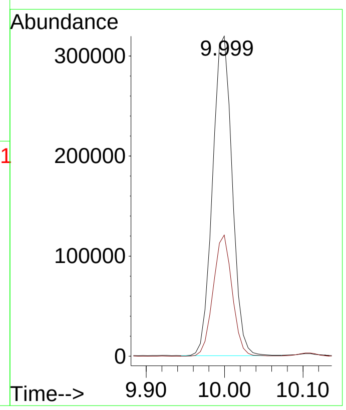
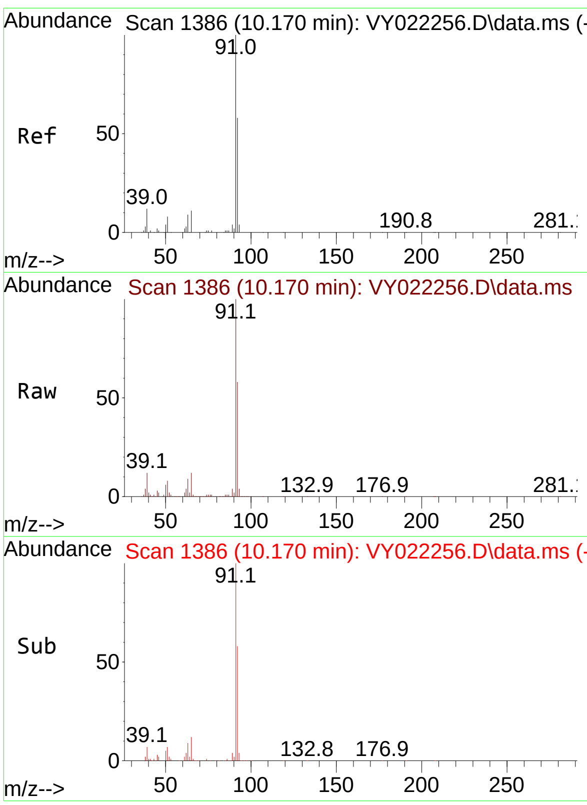


#51
4-Methyl-2-Pentanone
Concen: 250.085 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 55612

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.2

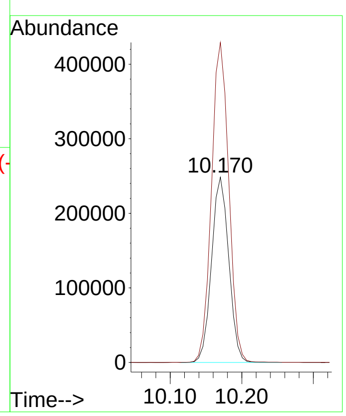


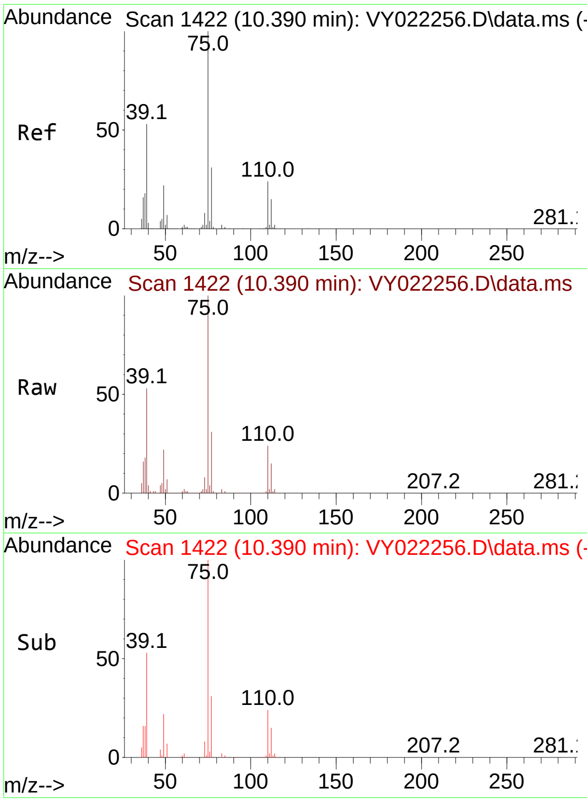


#52
Toluene
Concen: 51.134 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 92 Resp: 414584

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.1	208.7





#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 21399

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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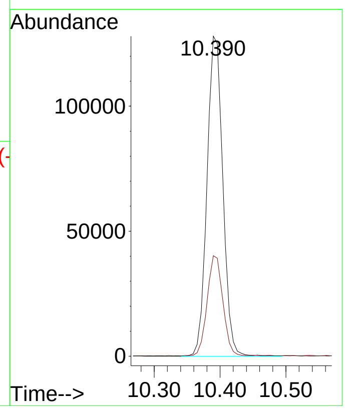
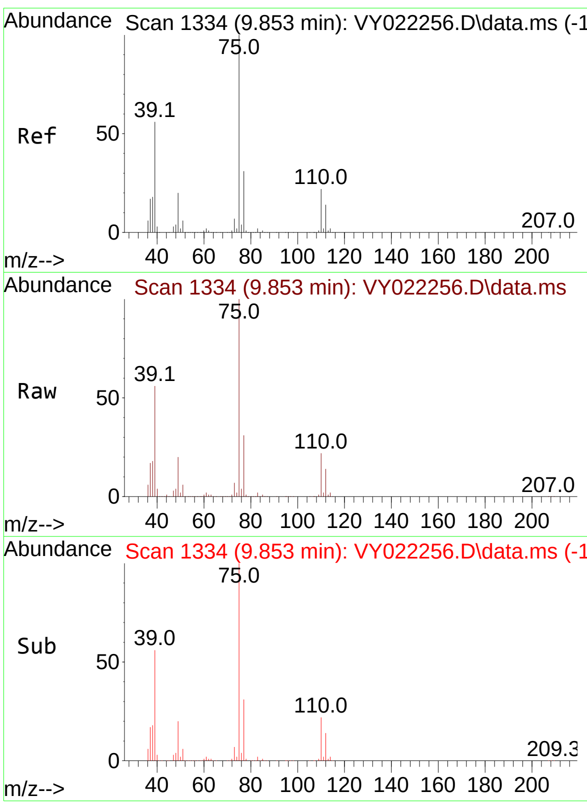
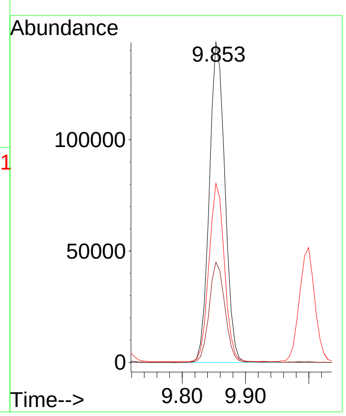




#54
cis-1,3-Dichloropropene
Concen: 51.143 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 246990

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	55.6	44.5	66.7



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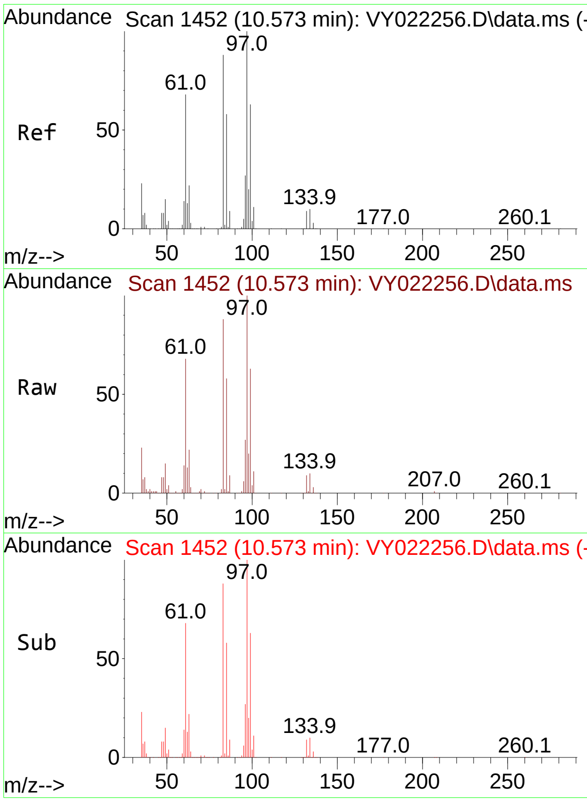

#55
1,1,2-Trichloroethane
Concen: 50.036 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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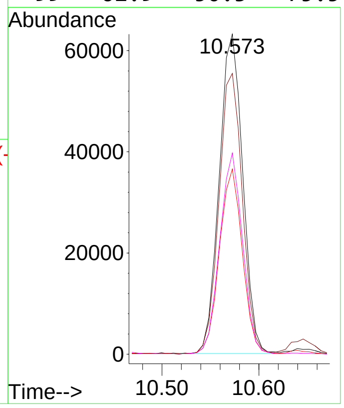
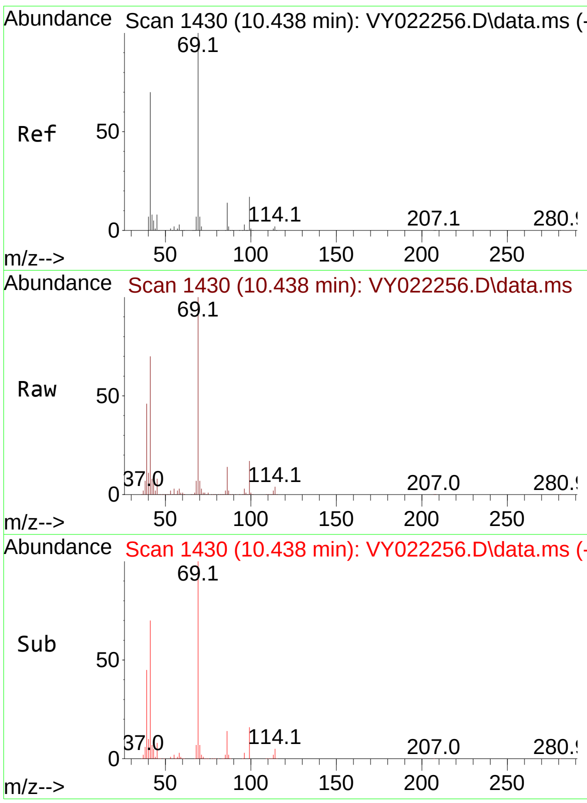
Supervised By :Semsettin Yesilyurt 05/16/2025

Tgt Ion: 97 Resp: 10667

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.3	105.5
85	57.8	46.2	69.4
99	62.9	50.3	75.5

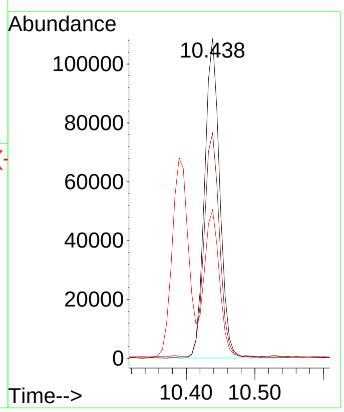


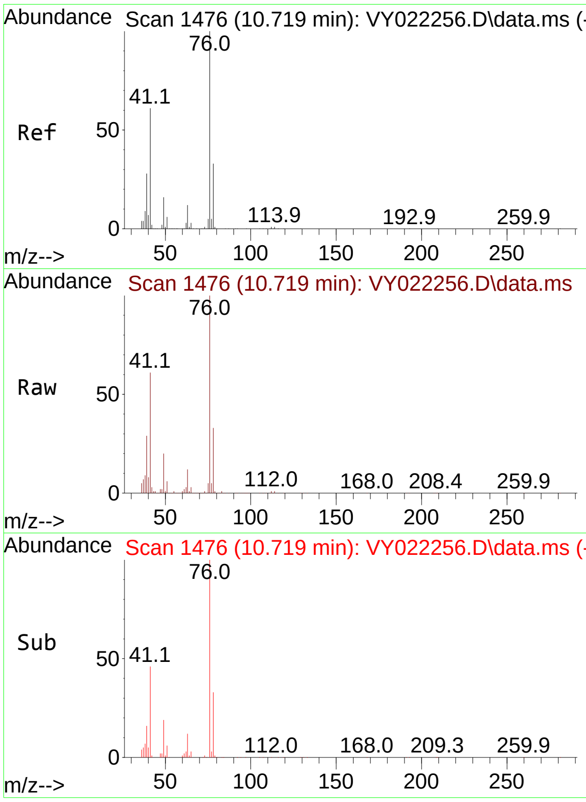


#56
Ethyl methacrylate
Concen: 50.364 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 69 Resp: 167259

Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.5	84.7
39	46.4	37.1	55.7





#57
1,3-Dichloropropane
Concen: 50.759 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 19227

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

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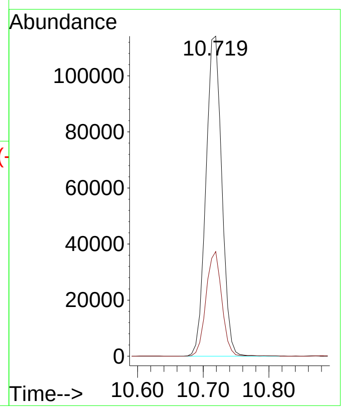
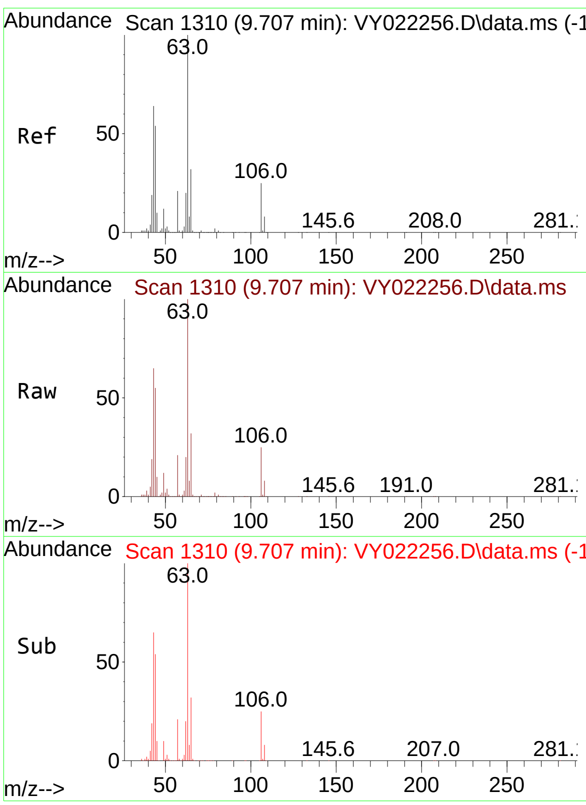
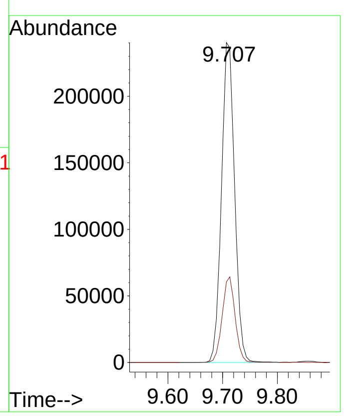




#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 403074

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.0	31.4



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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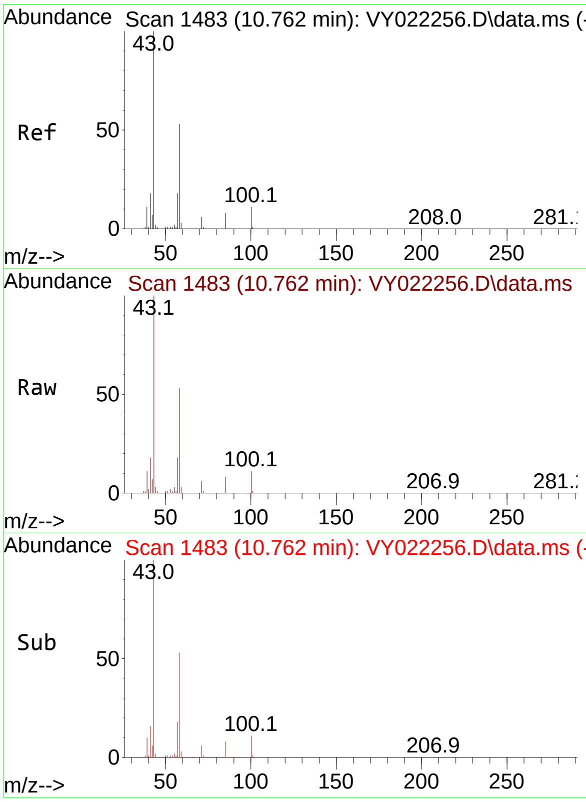
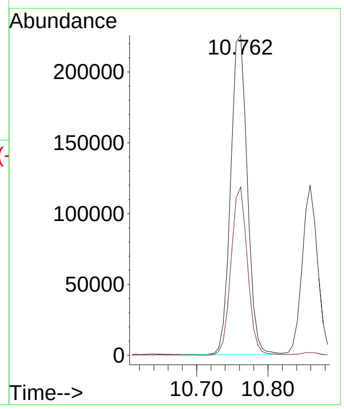
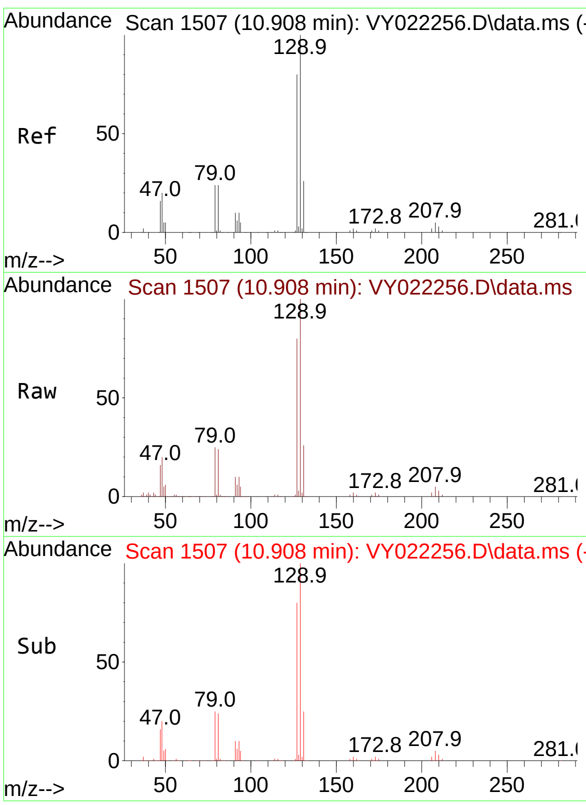


#59
2-Hexanone
Concen: 244.881 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 365111

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

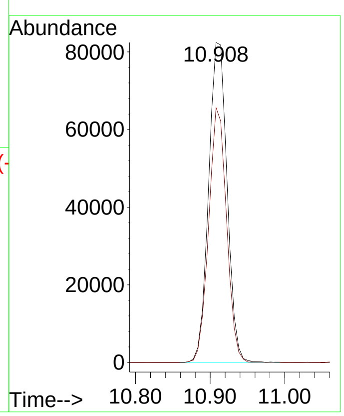




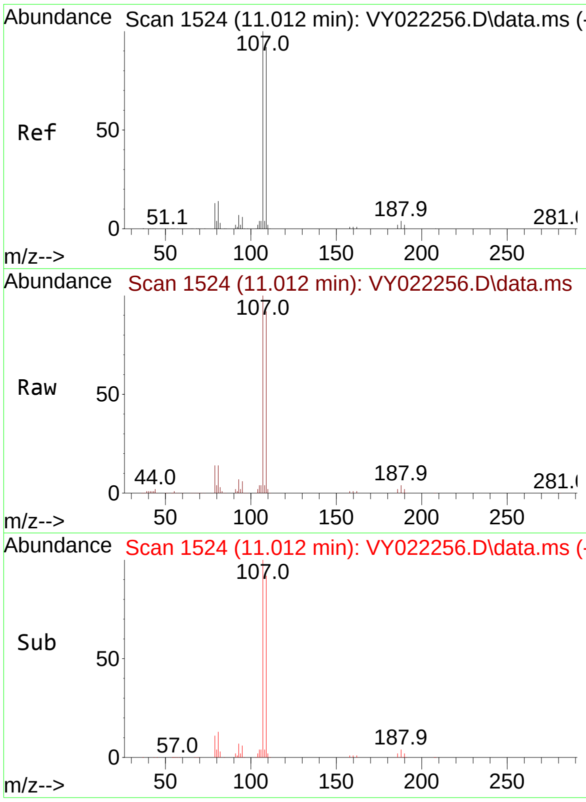
#60
Dibromochloromethane
Concen: 51.278 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:129 Resp: 141896

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7



ICAL Form



#61
1,2-Dibromoethane
Concen: 50.236 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 9982

Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

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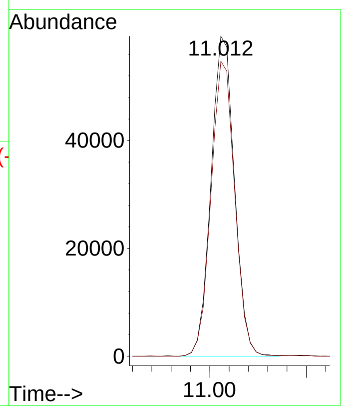
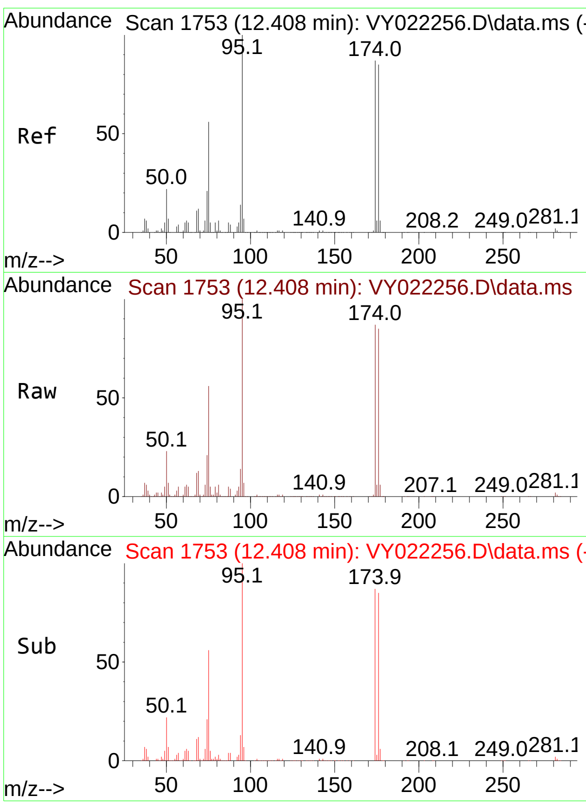
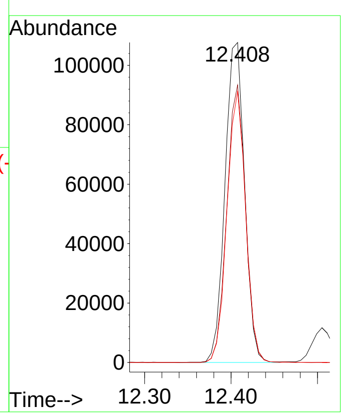




#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 95 Resp: 169827

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	80.4	0.0	160.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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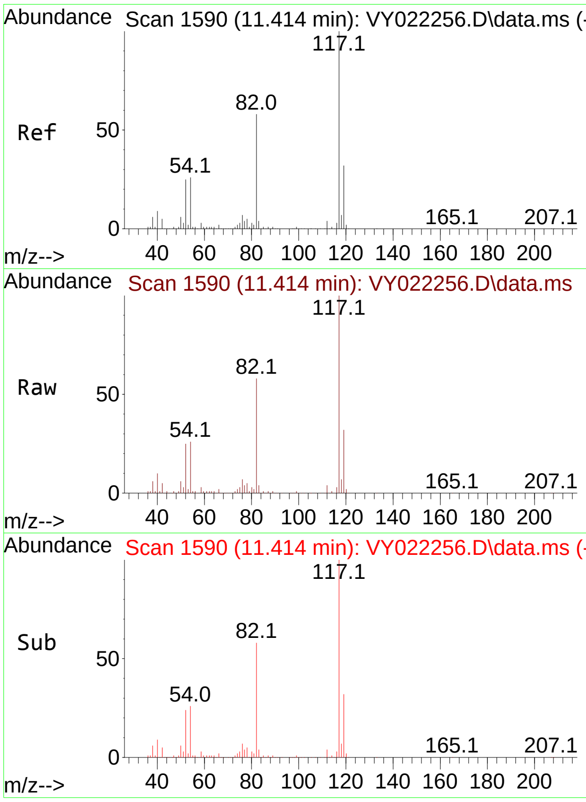
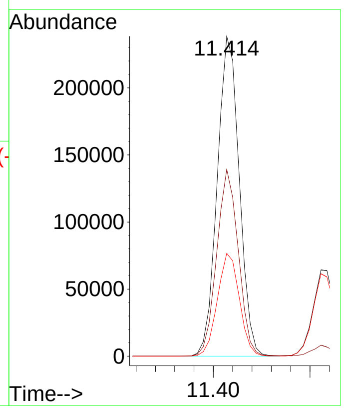
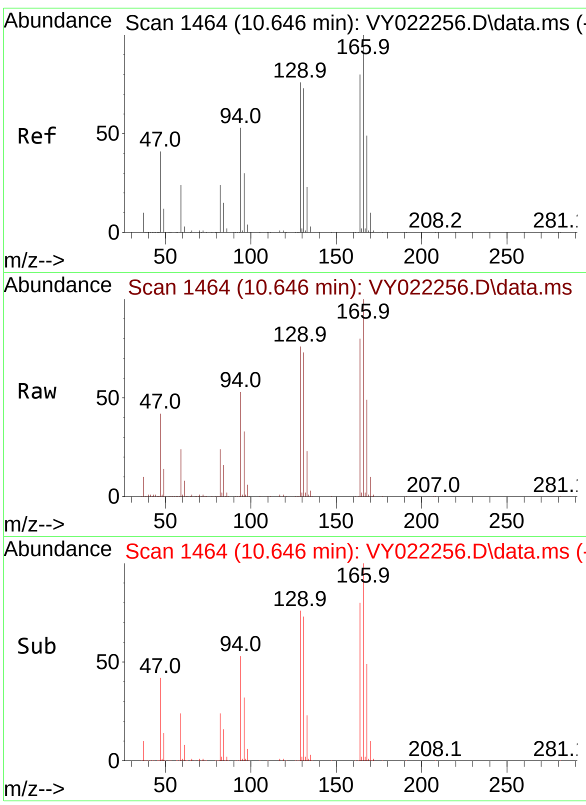


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 37757

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	70.0
119	32.2	25.8	38.6

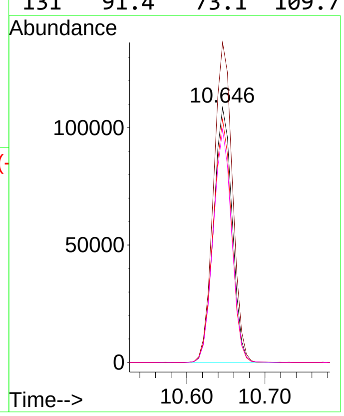




#64
Tetrachloroethene
Concen: 51.249 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:164 Resp: 178854

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	95.5	76.4	114.6
131	91.4	73.1	109.7



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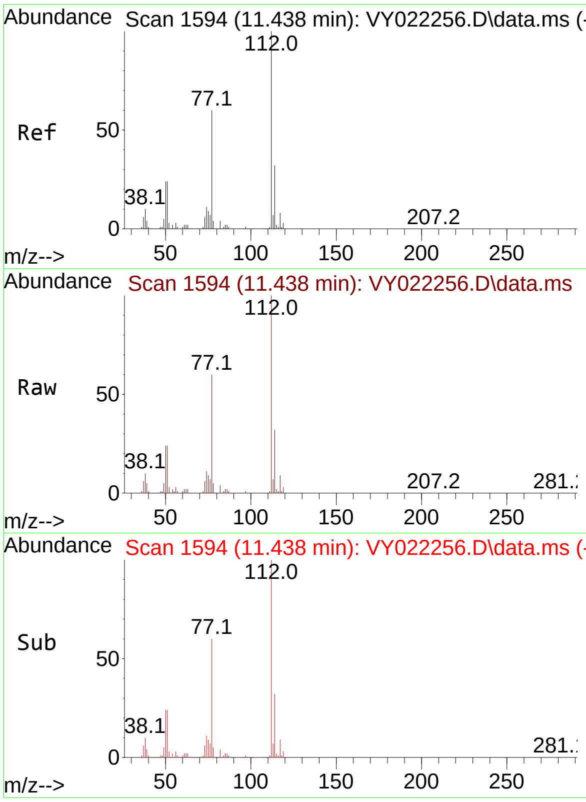

#65
Chlorobenzene
Concen: 51.169 ug/l
RT: 11.438 min Scan# 1!
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:112 Resp: 43587

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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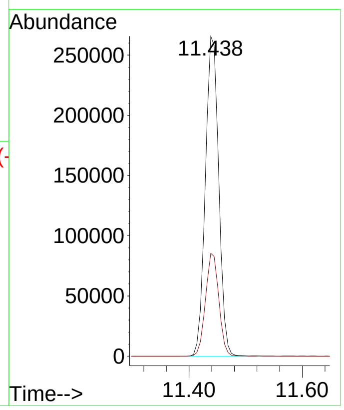
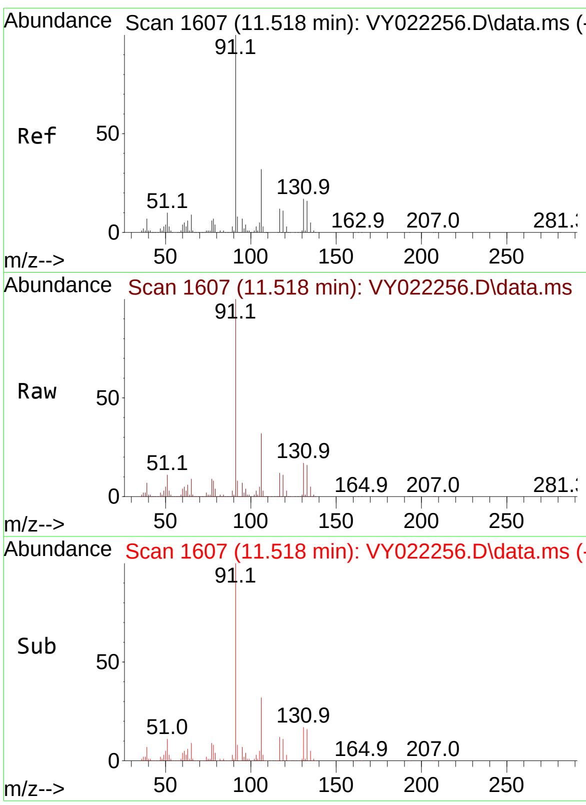
Supervised By :Semsettin Yesilyurt 05/16/2025

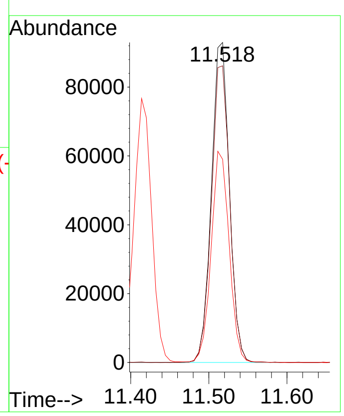


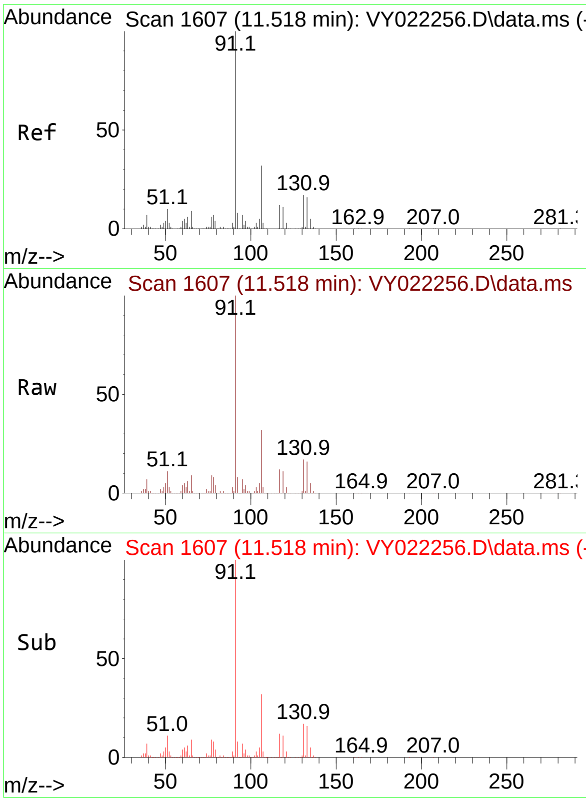


#66
1,1,1,2-Tetrachloroethane
Concen: 50.811 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:131 Resp: 148798

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	66.1	33.1	99.2





#67
Ethyl Benzene
Concen: 51.473 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 82116

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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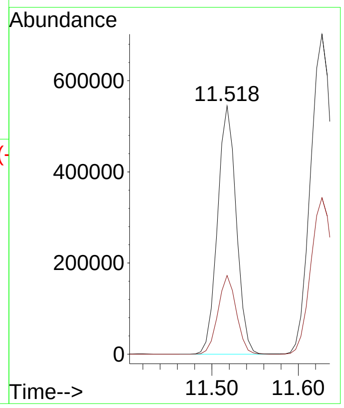
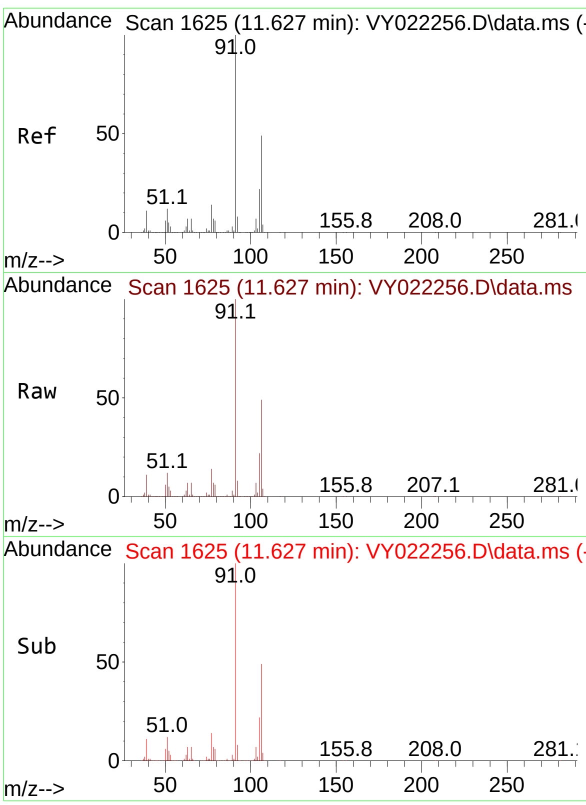
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

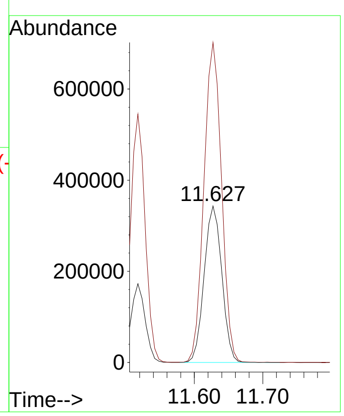


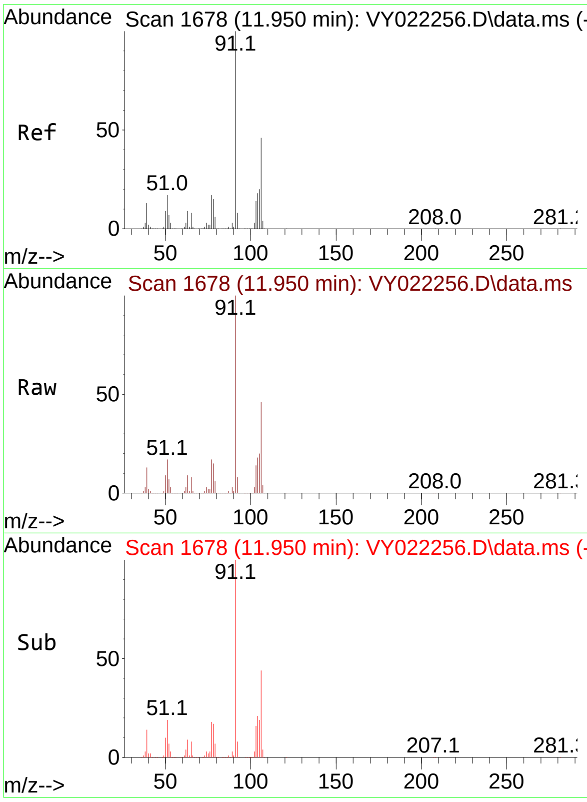


#68
m/p-Xylenes
Concen: 102.746 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:106 Resp: 617646

Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.0	244.4





#69
o-Xylene
Concen: 50.971 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 28989

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.3	324.8

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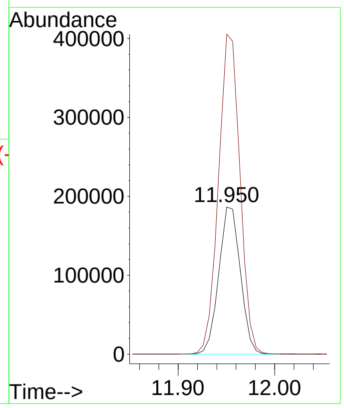
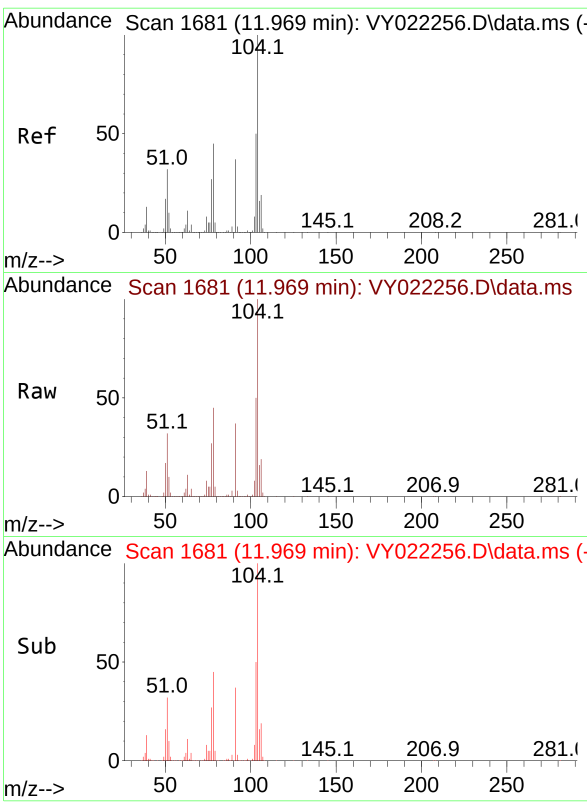
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

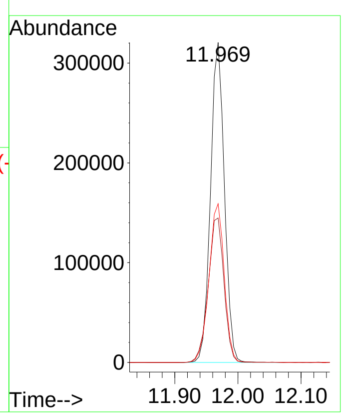




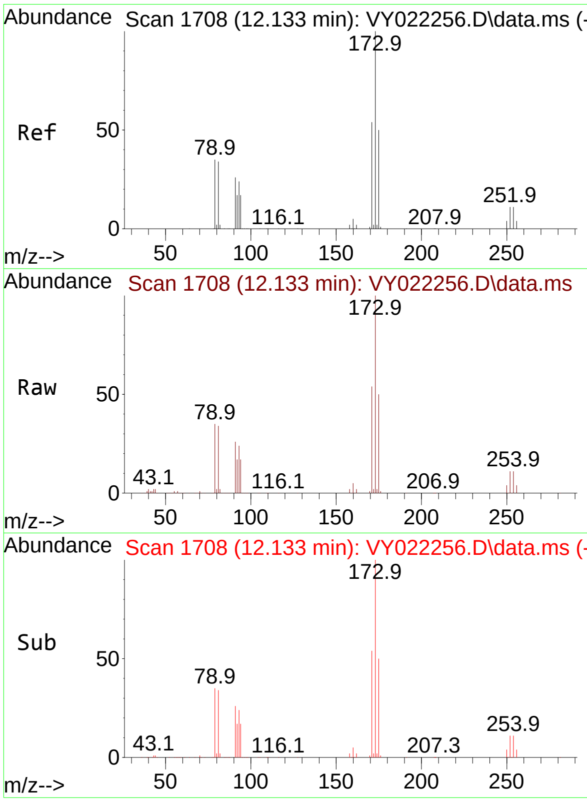
#70
Styrene
Concen: 51.260 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:104 Resp: 491792

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.9	61.3
103	54.6	43.7	65.5



ICAL Form



#71
Bromoform
Concen: 49.849 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:173 Resp: 7879

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.0	0.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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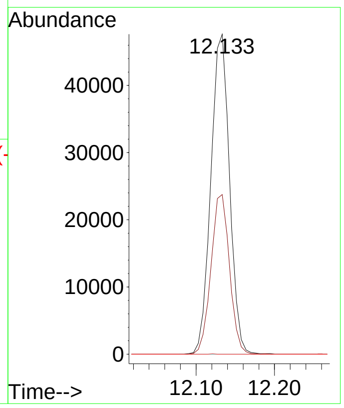
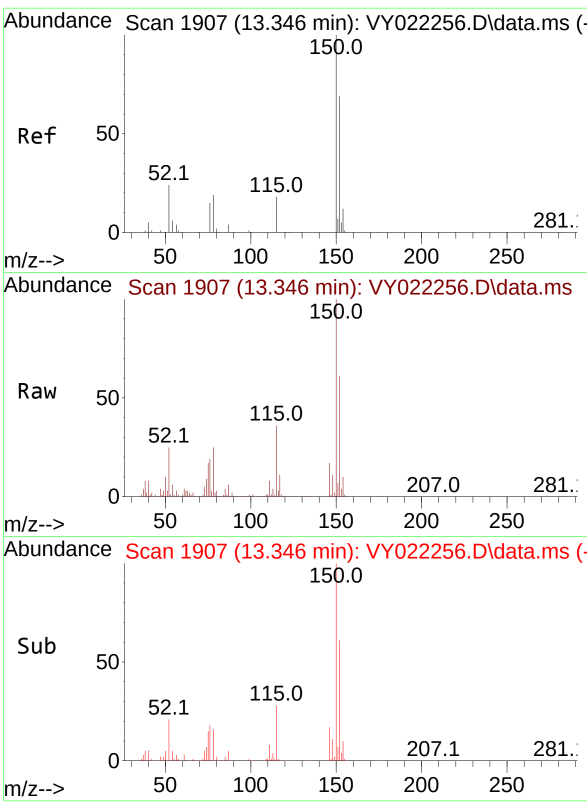
Supervised By :Semsettin Yesilyurt 05/16/2025

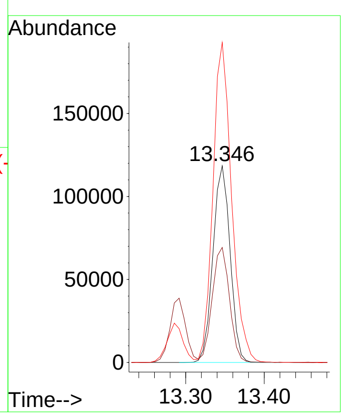




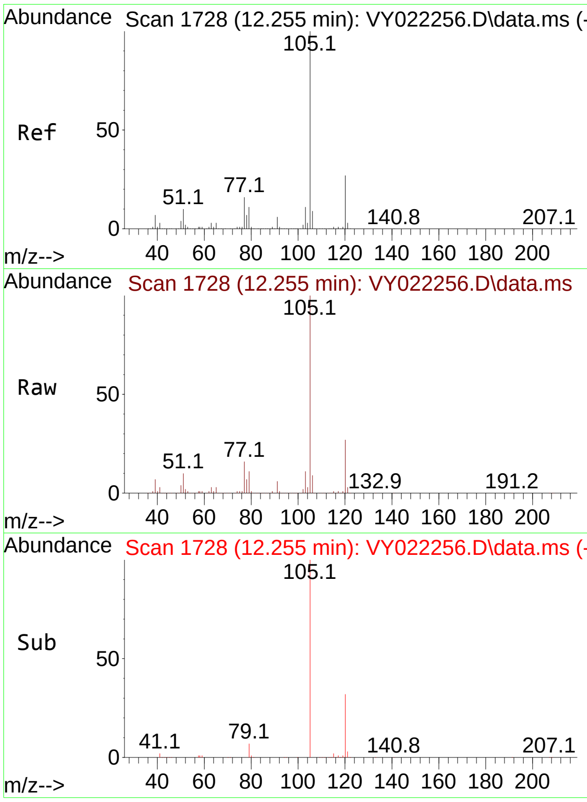
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:152 Resp: 180358

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	176.9	0.0	353.8



ICAL Form



#73
Isopropylbenzene
Concen: 50.657 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 75690

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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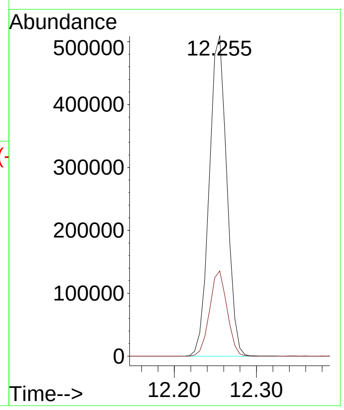
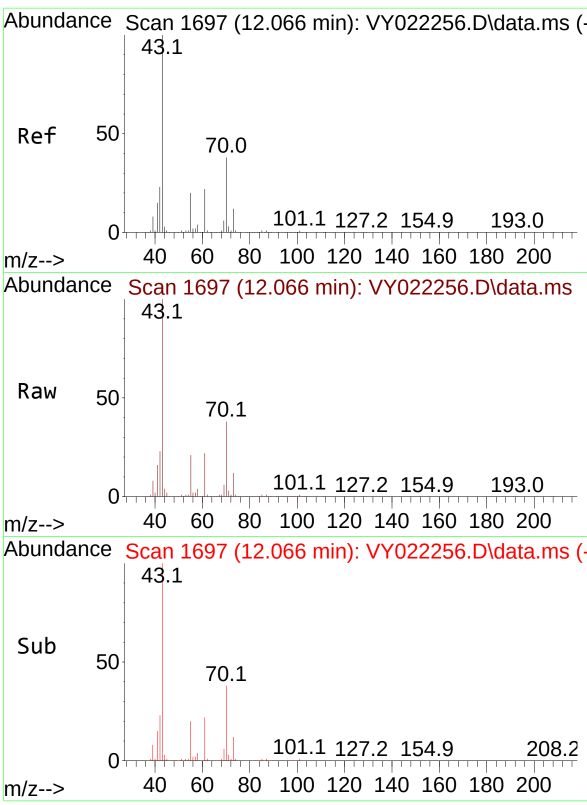
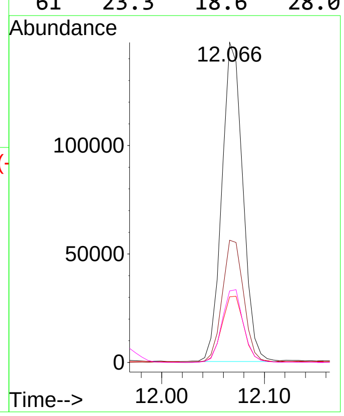


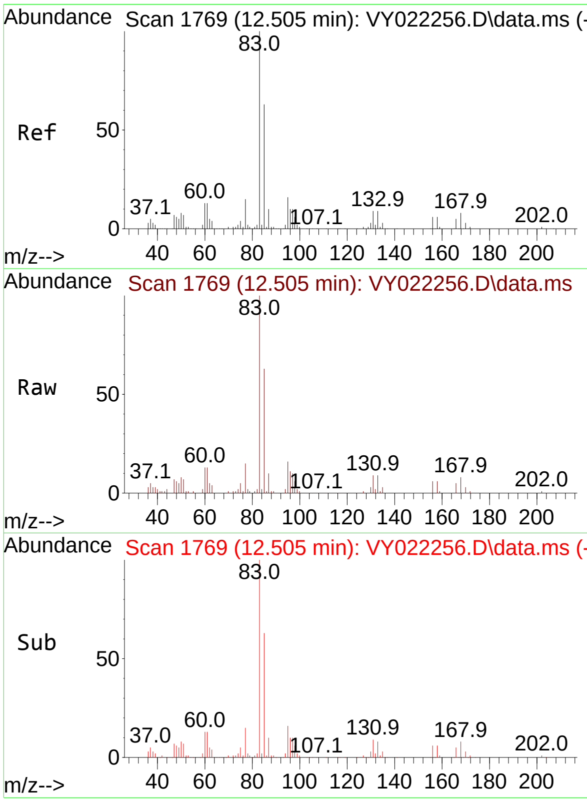


#74
N-amyl acetate
Concen: 48.930 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 209097

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.4	47.0
55	21.3	17.0	25.6
61	23.3	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 11323

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0

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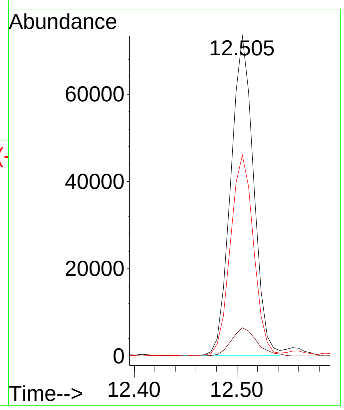
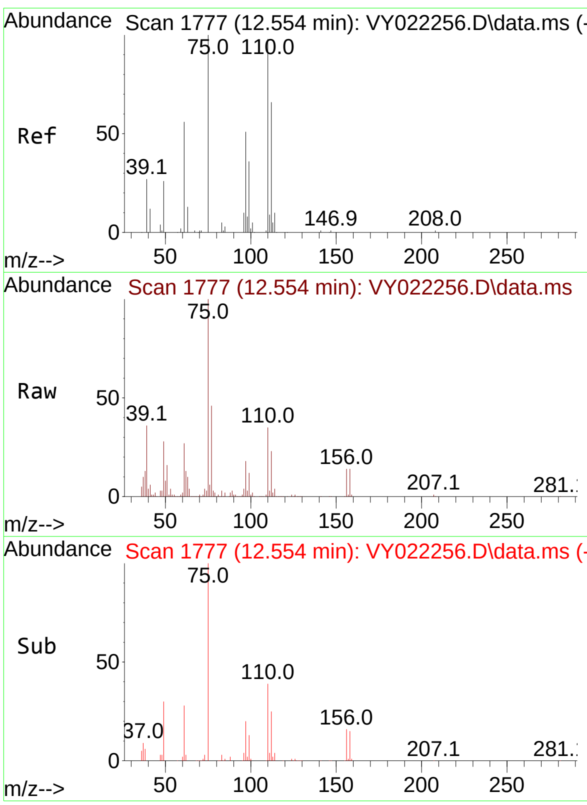
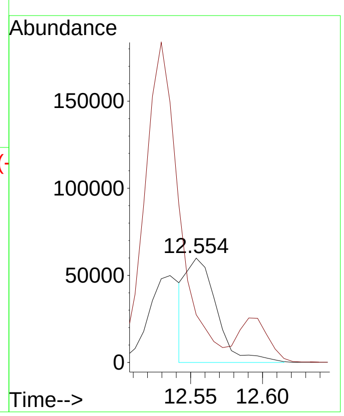


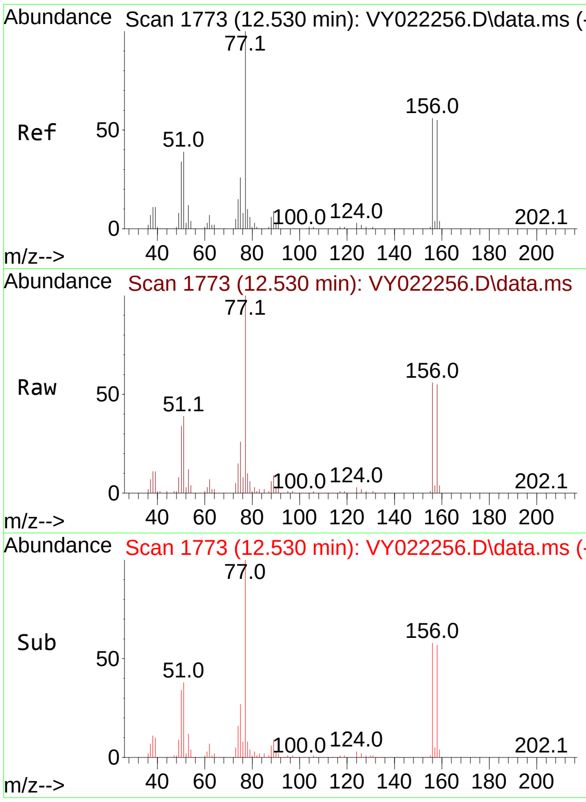


#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 90281

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 50.599 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 16147

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.5	283.6
158	96.9	48.4	145.3

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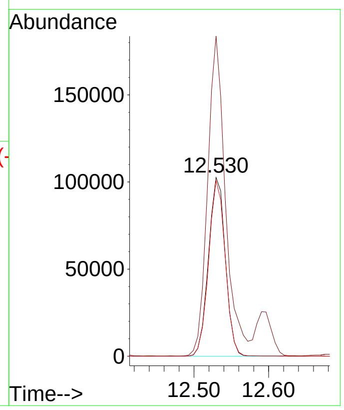
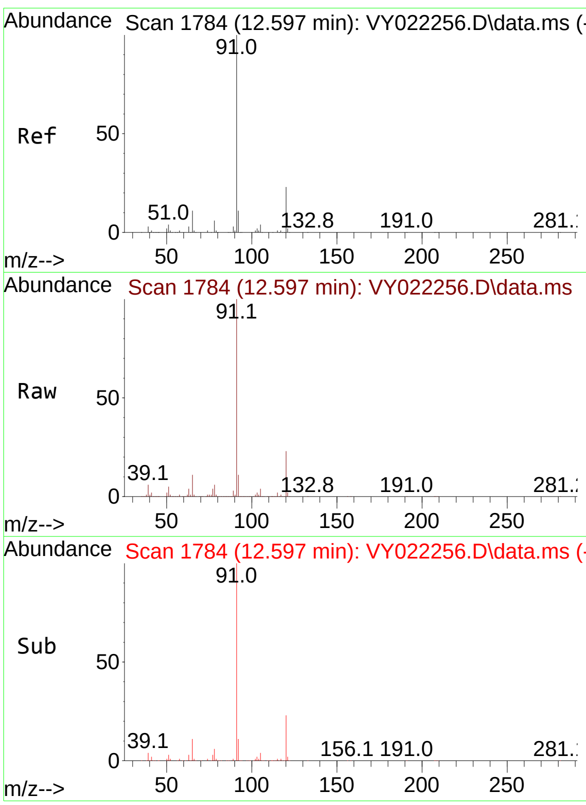
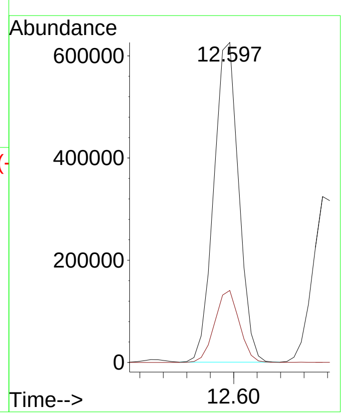


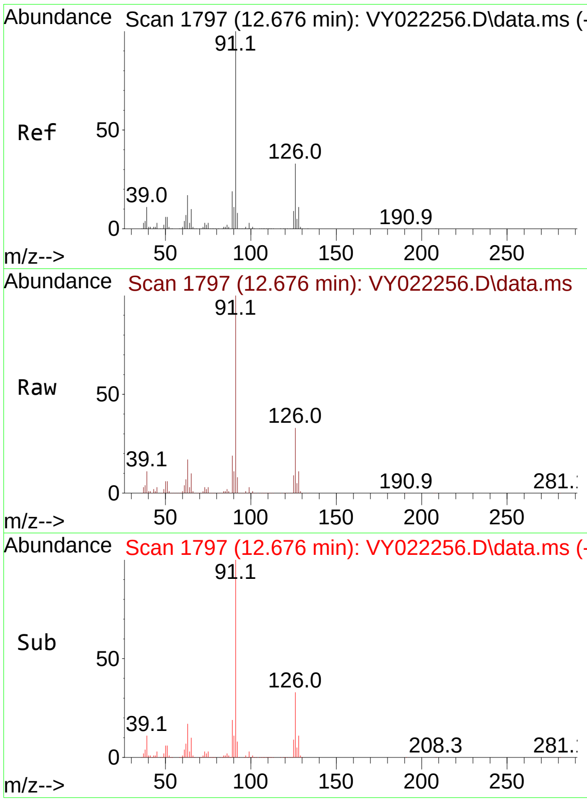


#78
n-propylbenzene
Concen: 51.306 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 924664

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





#79
2-Chlorotoluene
Concen: 51.058 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 50568

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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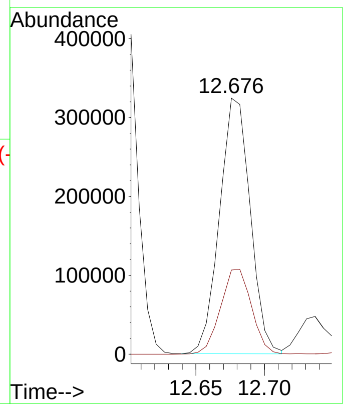
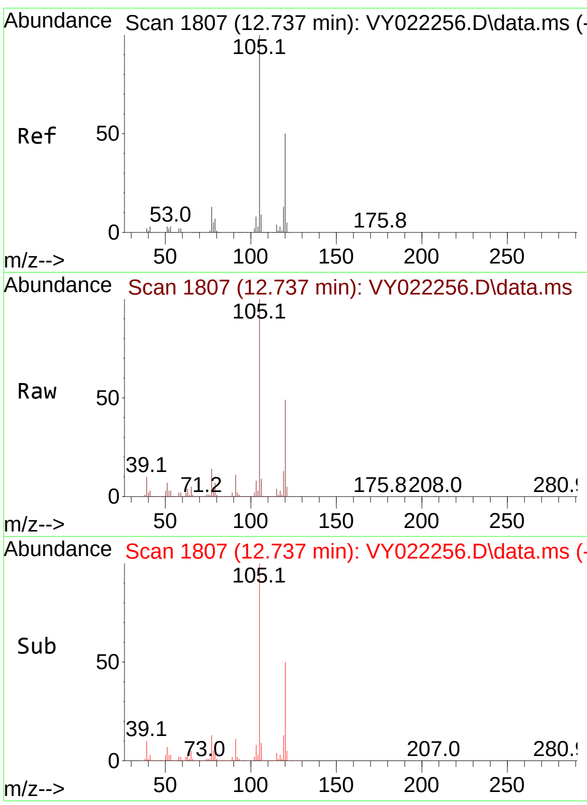
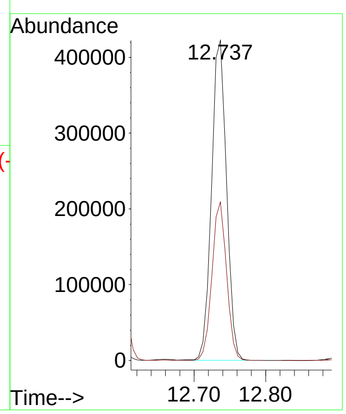




#80
1,3,5-Trimethylbenzene
Concen: 50.991 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615033

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.2	72.6



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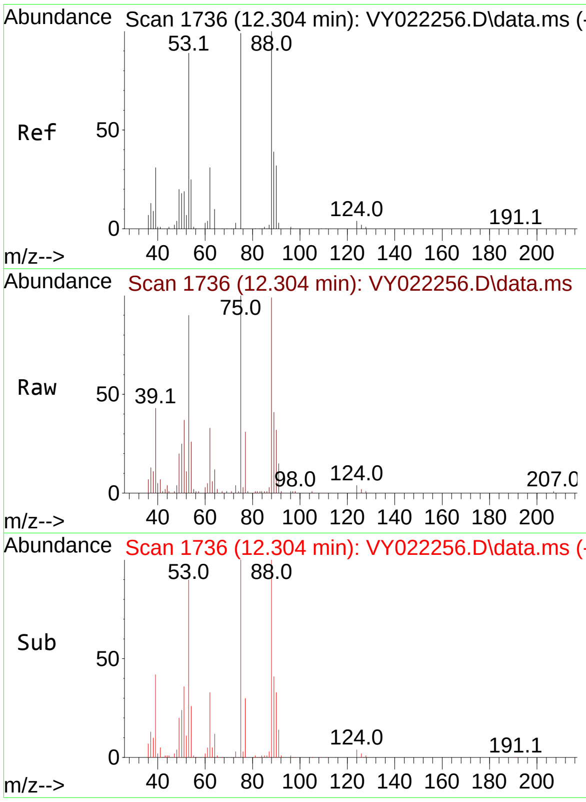

#81
trans-1,4-Dichloro-2-butene
Concen: 47.331 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 4269

Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	45.2	36.2	54.2

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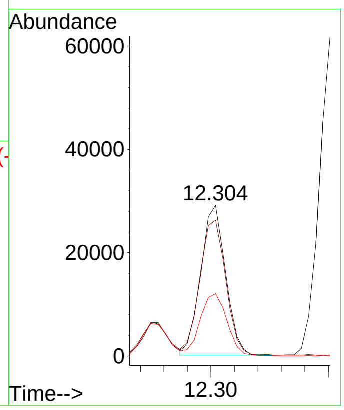
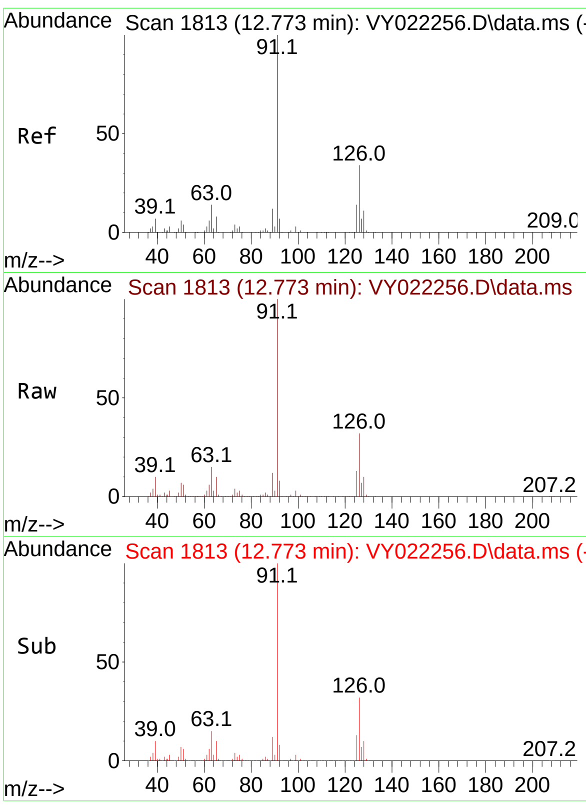
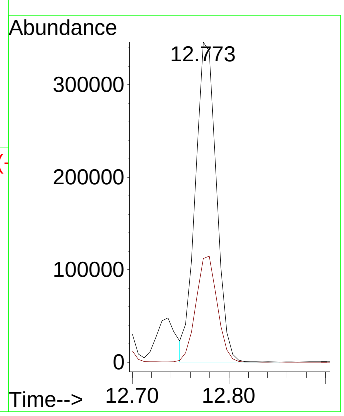




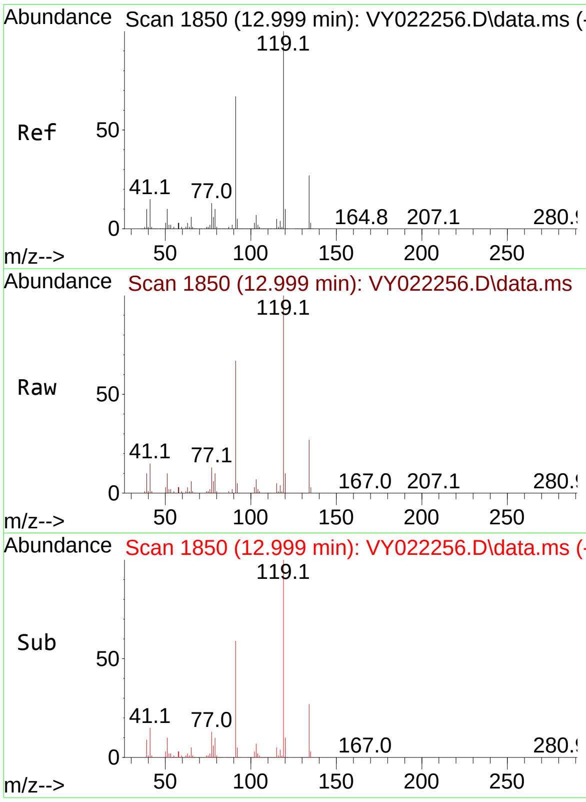
#82
4-Chlorotoluene
Concen: 51.464 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 524270

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



ICAL Form



#83
tert-Butylbenzene
Concen: 50.952 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 54623

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.8	98.3
134	25.7	12.9	38.6

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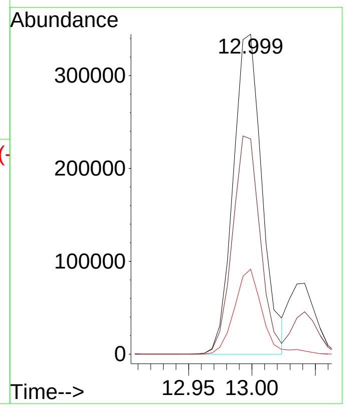
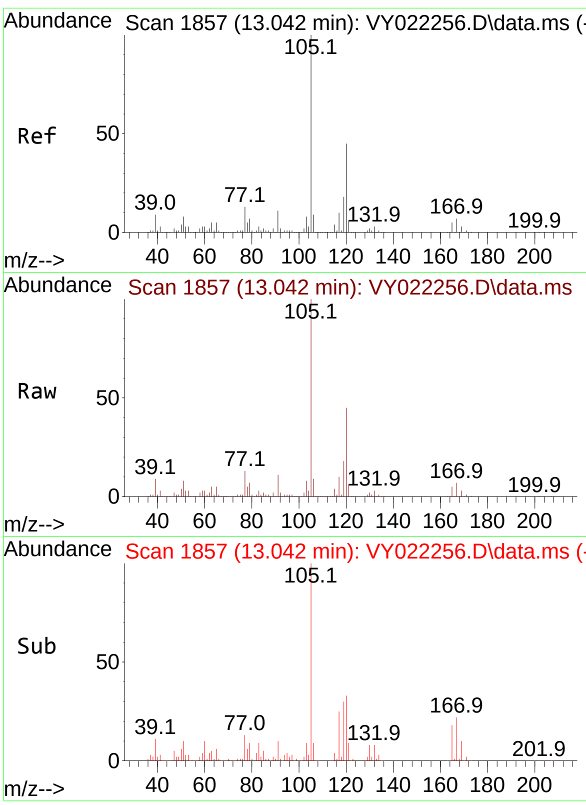
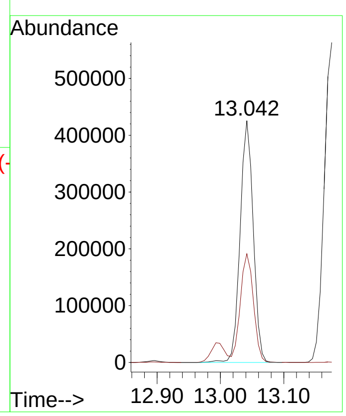




#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615550

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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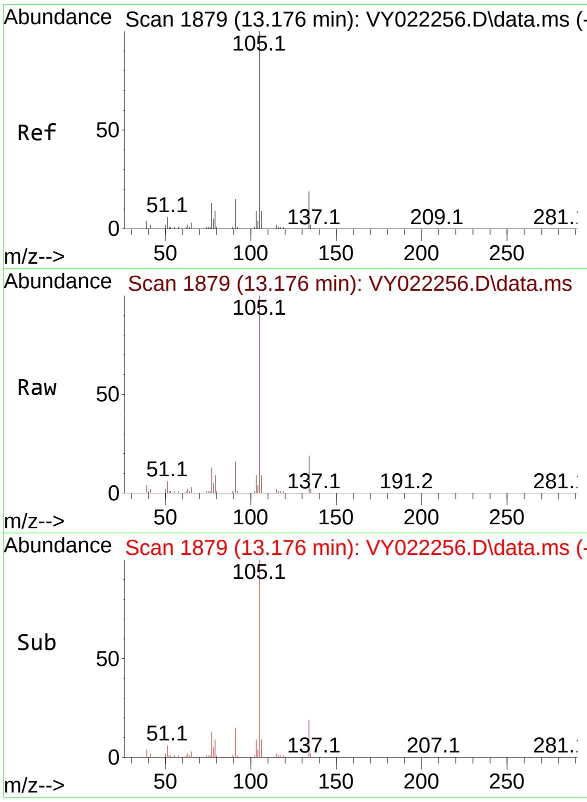
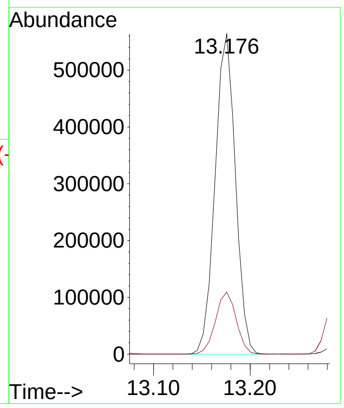
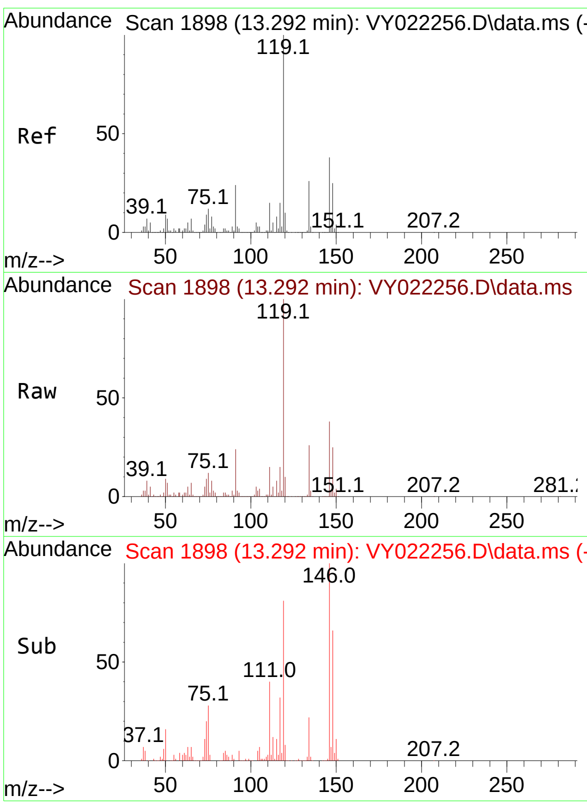


#85
sec-Butylbenzene
Concen: 51.825 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 82472

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

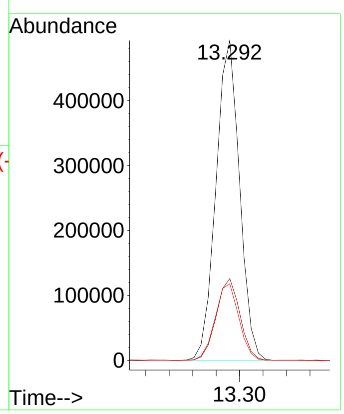




#86
p-Isopropyltoluene
Concen: 51.446 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 688561

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.2	12.1	36.3



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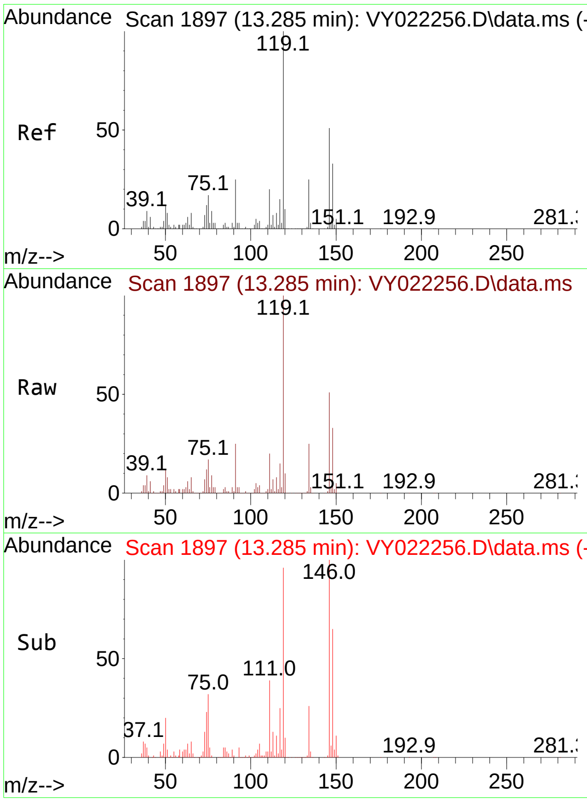

#87
1,3-Dichlorobenzene
Concen: 50.890 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 33153

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.8	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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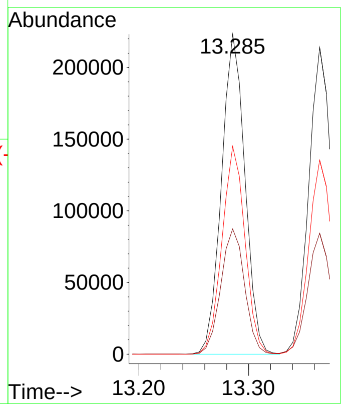
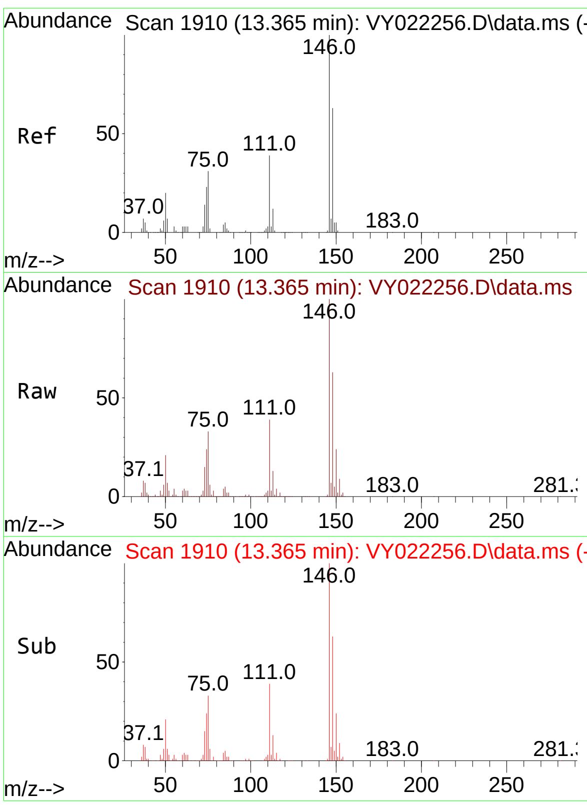
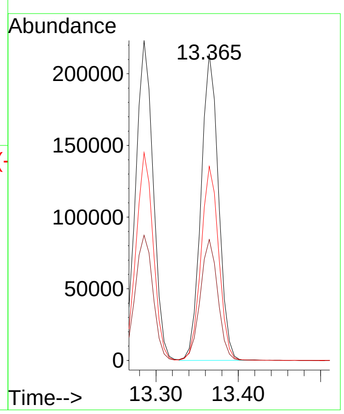




#88
1,4-Dichlorobenzene
Concen: 50.363 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 315598

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.3	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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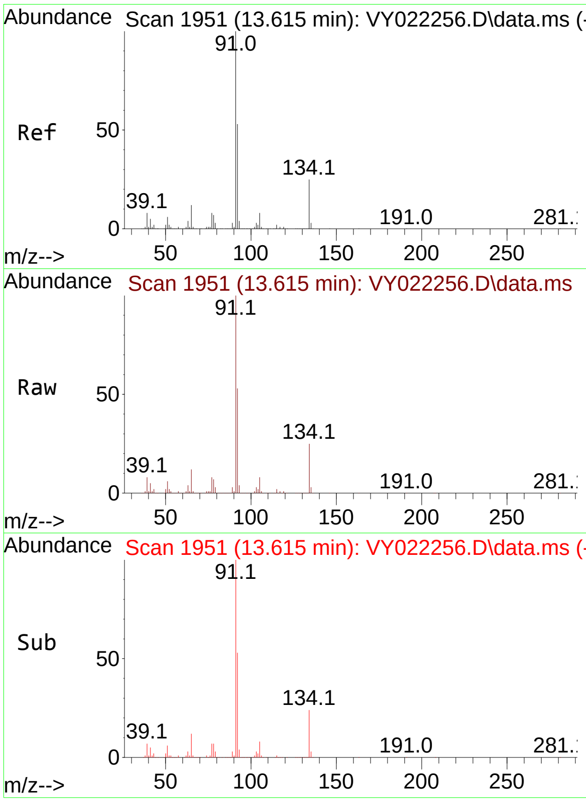
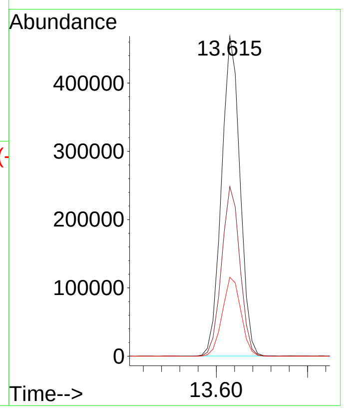
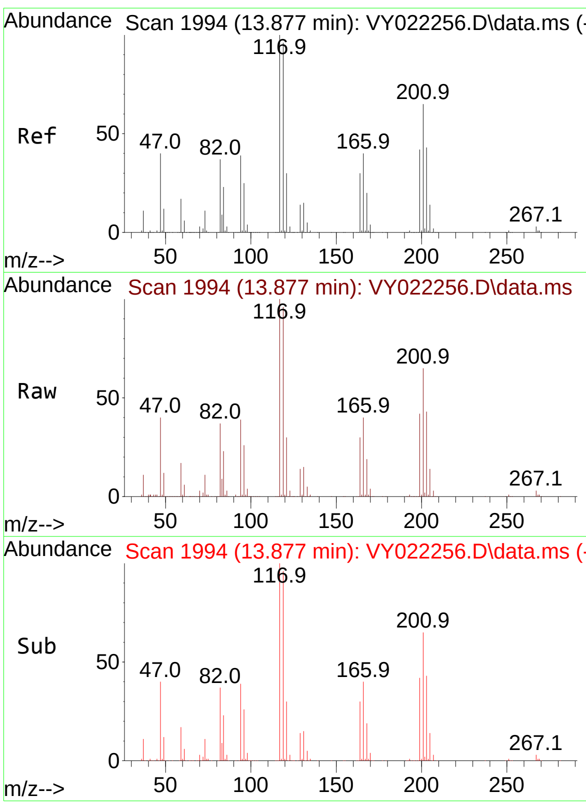


#89
n-Butylbenzene
Concen: 52.245 ug/l
RT: 13.615 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 66153

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	24.9	12.4	37.4

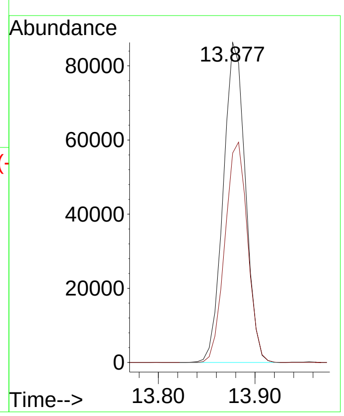




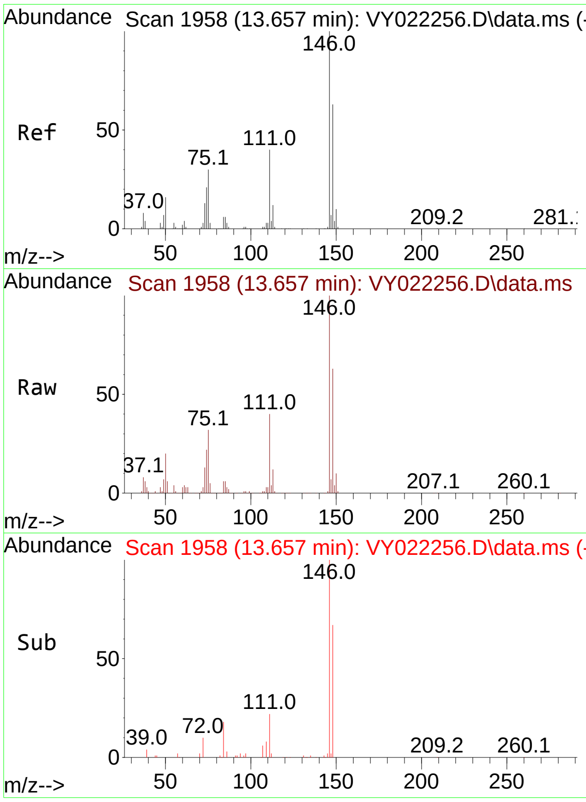
#90
Hexachloroethane
Concen: 50.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 137225

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6



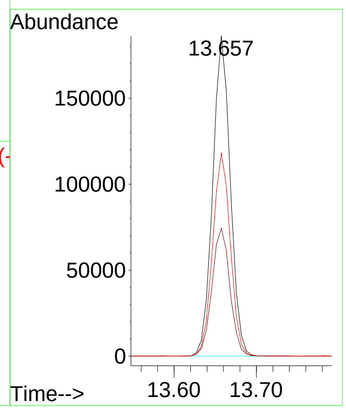
ICAL Form



#91
1,2-Dichlorobenzene
Concen: 50.558 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 27666

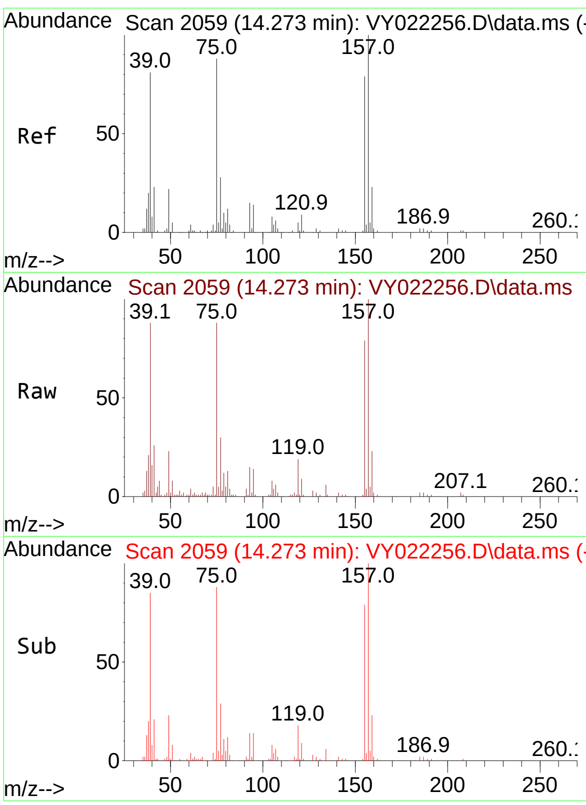
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

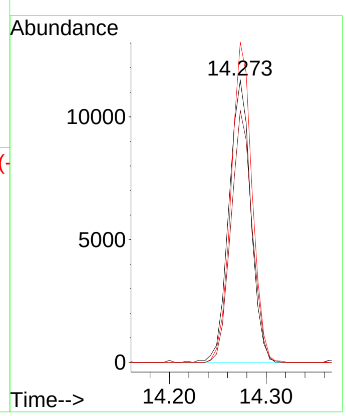
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



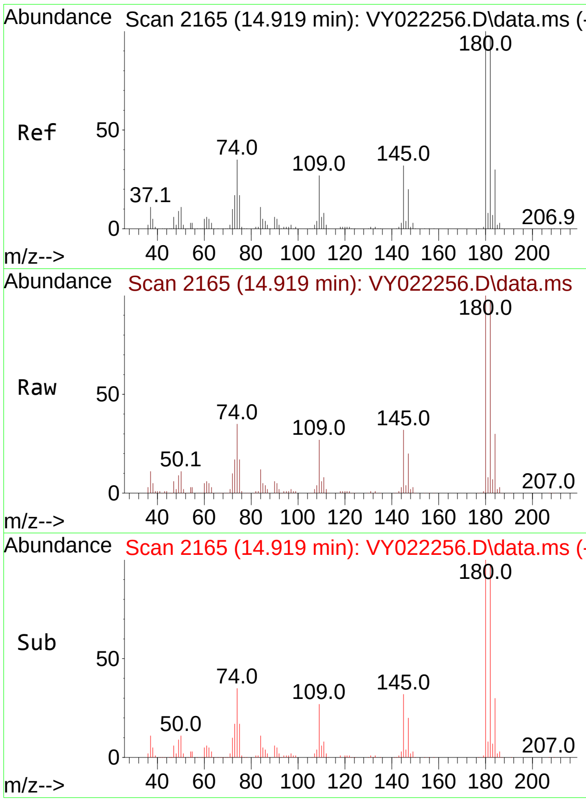
#92
1,2-Dibromo-3-Chloropropane
Concen: 48.682 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 18039

Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.4	130.1
157	109.3	54.6	163.9



ICAL Form



#93
1,2,4-Trichlorobenzene
Concen: 51.338 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 16227

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	30.1	15.0	45.1

Manual Integrations
APPROVED

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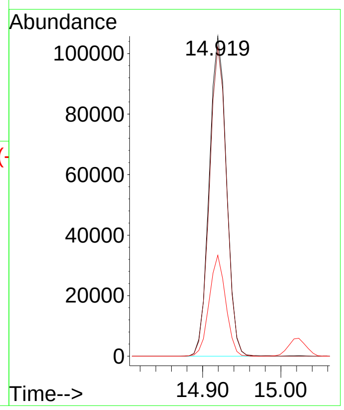
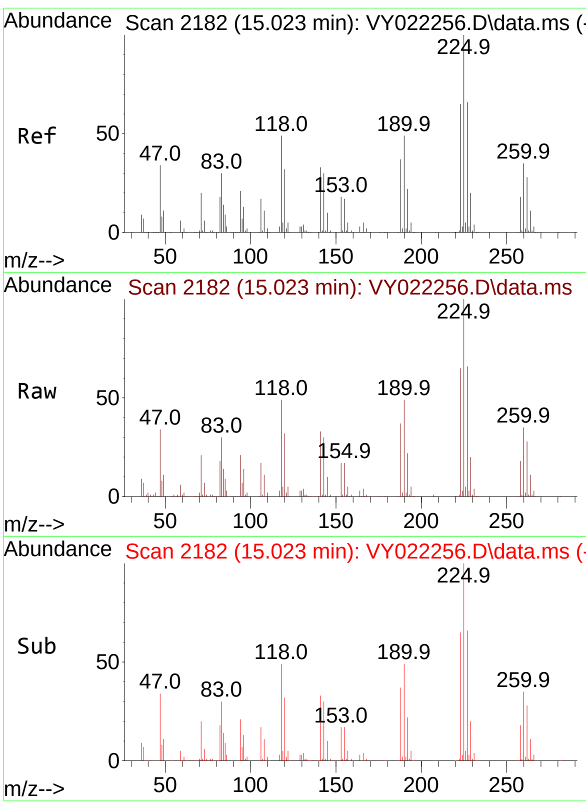
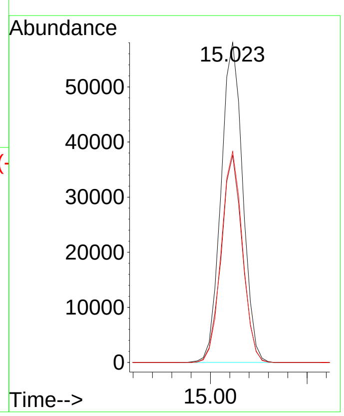




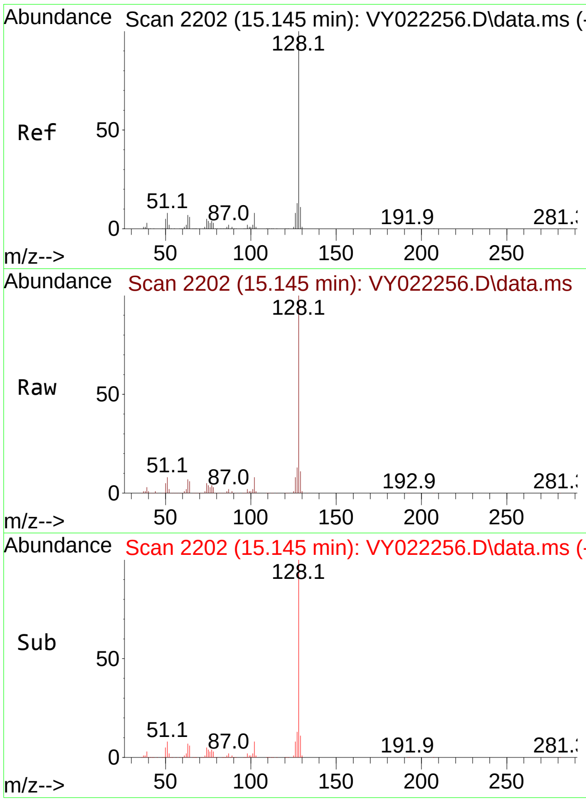
#94
Hexachlorobutadiene
Concen: 51.313 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:225 Resp: 90452

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3



ICAL Form



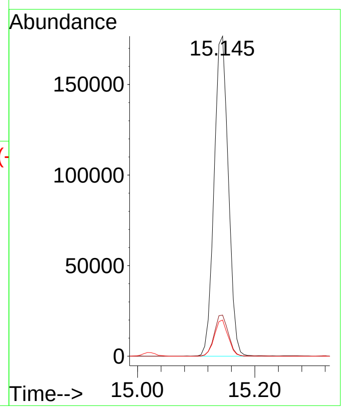
#95
Naphthalene
Concen: 49.692 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

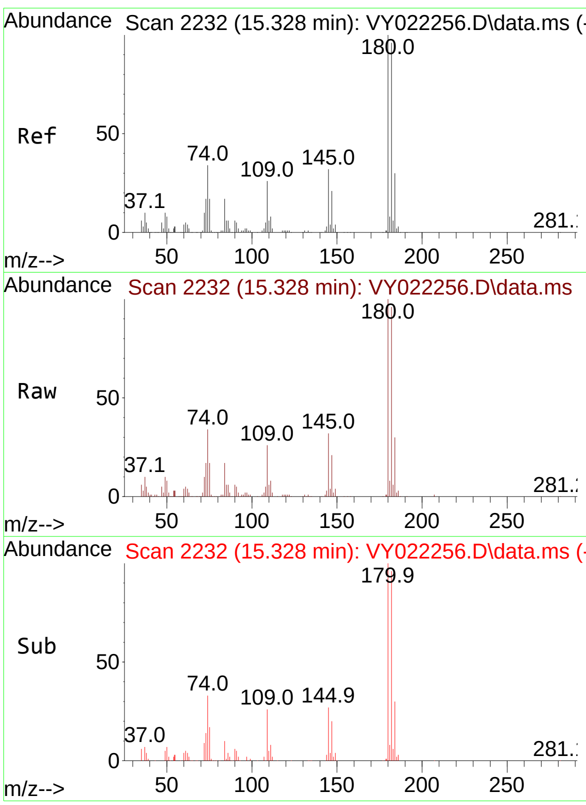
Tgt Ion:128 Resp: 29807

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

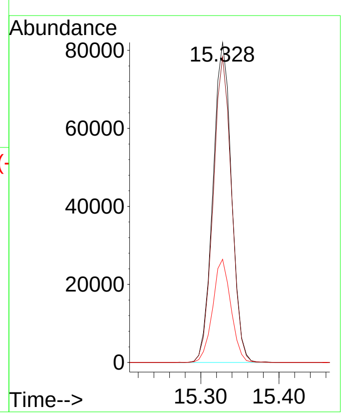




#96
1,2,3-Trichlorobenzene
Concen: 50.596 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:180 Resp: 135673

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	31.7	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	268393	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443341	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385348	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189780	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	292533	99.729 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	199.460%#	
35) Dibromofluoromethane	7.634	113	262995	99.389 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	198.780%#	
50) Toluene-d8	10.103	98	1076035	99.289 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	198.580%#	
62) 4-Bromofluorobenzene	12.408	95	343397	99.968 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	199.940%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.861	85	252438	90.138 ug/l	99
3) Chloromethane	2.062	50	561441	95.302 ug/l	100
4) Vinyl Chloride	2.202	62	639001	97.085 ug/l	96
5) Bromomethane	2.586	94	512452	95.642 ug/l	98
6) Chloroethane	2.732	64	393556	96.113 ug/l	99
7) Trichlorofluoromethane	3.049	101	650265	97.581 ug/l	100
8) Diethyl Ether	3.452	74	158375	99.031 ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	272288	94.120 ug/l	99
10) Methyl Iodide	4.000	142	349345	104.334 ug/l	100
11) Tert butyl alcohol	4.872	59	112593	502.655 ug/l #	100
12) 1,1-Dichloroethene	3.787	96	277897	96.798 ug/l	97
13) Acrolein	3.653	56	156649	478.373 ug/l	99
14) Allyl chloride	4.378	41	500514	99.429 ug/l	100
15) Acrylonitrile	5.055	53	340325	516.458 ug/l	99
16) Acetone	3.872	43	252327	458.767 ug/l	99
17) Carbon Disulfide	4.104	76	901081	96.251 ug/l	99
18) Methyl Acetate	4.385	43	185837	111.043 ug/l	100
19) Methyl tert-butyl Ether	5.116	73	807404	101.997 ug/l	98
20) Methylene Chloride	4.610	84	305912	86.076 ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	311460	98.288 ug/l	97
22) Diisopropyl ether	6.018	45	1075035	101.128 ug/l	99
23) Vinyl Acetate	5.957	43	3259000	507.456 ug/l	100
24) 1,1-Dichloroethane	5.915	63	586479	98.750 ug/l	99
25) 2-Butanone	6.890	43	467301	507.932 ug/l	97
26) 2,2-Dichloropropane	6.884	77	515990	97.682 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	368826	100.861 ug/l	100
28) Bromochloromethane	7.244	49	251676	99.349 ug/l	100
29) Tetrahydrofuran	7.262	42	312286	527.609 ug/l	100
30) Chloroform	7.421	83	565823	99.326 ug/l	98
31) Cyclohexane	7.701	56	535839	90.301 ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	506927	96.995 ug/l	100
36) 1,1-Dichloropropene	7.835	75	429153	98.465 ug/l	99
37) Ethyl Acetate	6.982	43	213152	101.642 ug/l	99
38) Carbon Tetrachloride	7.817	117	451589	100.097 ug/l	98
39) Methylcyclohexane	9.109	83	566259	96.704 ug/l	98
40) Benzene	8.079	78	1313733	101.677 ug/l	100

Quantitation Report   (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On   : 15 May 2025 11:24
Operator : SY/MD
Sample   : VSTDICC100
Misc   : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6   Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	131157m	85.474	ug/l	
42) 1,2-Dichloroethane	8.158	62	356974	102.165	ug/l	100
43) Isopropyl Acetate	8.195	43	473430	103.517	ug/l	99
44) Trichloroethene	8.865	130	315543	98.218	ug/l	97
45) 1,2-Dichloropropane	9.140	63	314179	100.858	ug/l	98
46) Dibromomethane	9.231	93	170712	101.606	ug/l	99
47) Bromodichloromethane	9.420	83	446829	102.514	ug/l	99
48) Methyl methacrylate	9.219	41	229512	107.308	ug/l	100
49) 1,4-Dioxane	9.231	88	37780	1990.455	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1218685	543.068	ug/l	100
52) Toluene	10.170	92	839400	102.593	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	441672	103.832	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	498023	102.190	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	219460	102.005	ug/l	99
56) Ethyl methacrylate	10.438	69	353013	105.335	ug/l	98
57) 1,3-Dichloropropane	10.719	76	391514	102.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	872907	580.295	ug/l	99
59) 2-Hexanone	10.761	43	809288	537.872	ug/l	100
60) Dibromochloromethane	10.908	129	292143	104.616	ug/l	99
61) 1,2-Dibromoethane	11.011	107	207266	103.362	ug/l	99
64) Tetrachloroethene	10.646	164	343677	96.489	ug/l	99
65) Chlorobenzene	11.438	112	881086	101.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	307866	103.007	ug/l	99
67) Ethyl Benzene	11.517	91	1674355	102.836	ug/l	99
68) m/p-Xylenes	11.627	106	1271299	207.213	ug/l	100
69) o-Xylene	11.956	106	602390	103.777	ug/l	99
70) Styrene	11.969	104	1028498	105.038	ug/l	100
71) Bromoform	12.133	173	168679	104.561	ug/l #	99
73) Isopropylbenzene	12.255	105	1528857	97.241	ug/l	99
74) N-amyl acetate	12.066	43	468707	104.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244830	101.255	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	197600m	59.078	ug/l	
77) Bromobenzene	12.529	156	337329	100.456	ug/l	99
78) n-propylbenzene	12.597	91	1846449	97.365	ug/l	100
79) 2-Chlorotoluene	12.676	91	1026401	98.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1233838	97.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	93252	98.251	ug/l	98
82) 4-Chlorotoluene	12.779	91	1061772	99.052	ug/l	99
83) tert-Butylbenzene	12.999	119	1092617	96.859	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1263612	100.297	ug/l	100
85) sec-Butylbenzene	13.176	105	1634720	97.623	ug/l	100
86) p-Isopropyltoluene	13.291	119	1424684	101.161	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	697868	101.803	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	654104	99.199	ug/l	99
89) n-Butylbenzene	13.615	91	1310061	98.327	ug/l	99
90) Hexachloroethane	13.877	117	275652	96.961	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	576915	100.192	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41275	105.859	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	342939	103.107	ug/l	100
94) Hexachlorobutadiene	15.023	225	180060	97.075	ug/l	100
95) Naphthalene	15.145	128	674950	106.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	294823	104.488	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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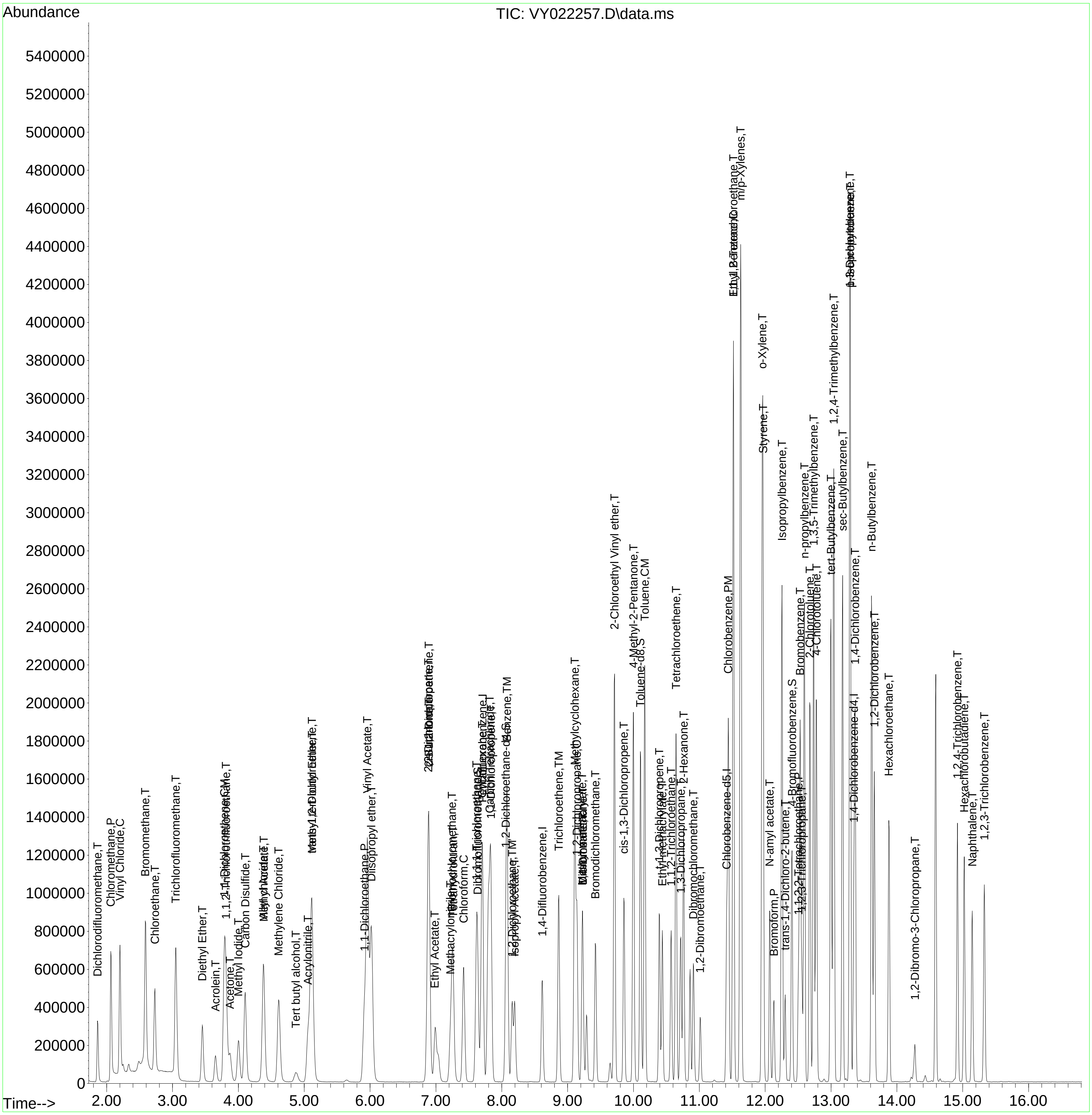

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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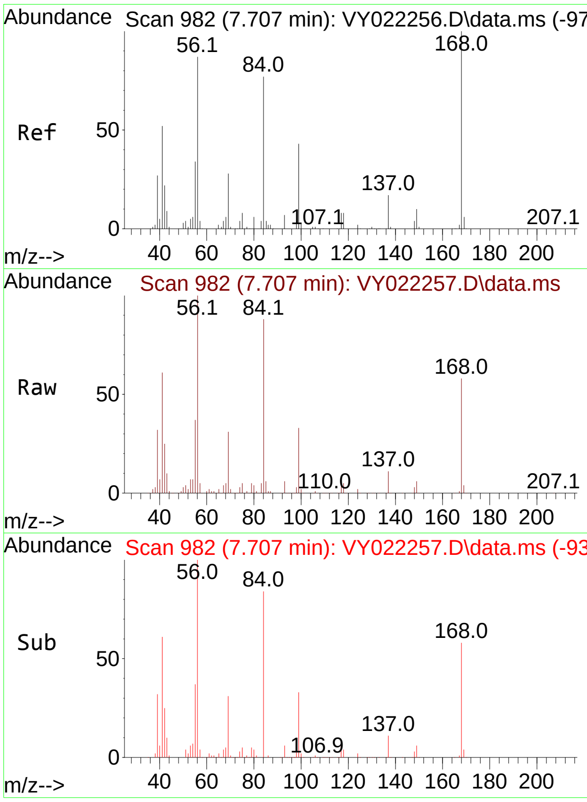
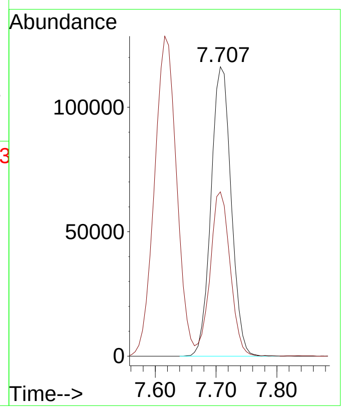
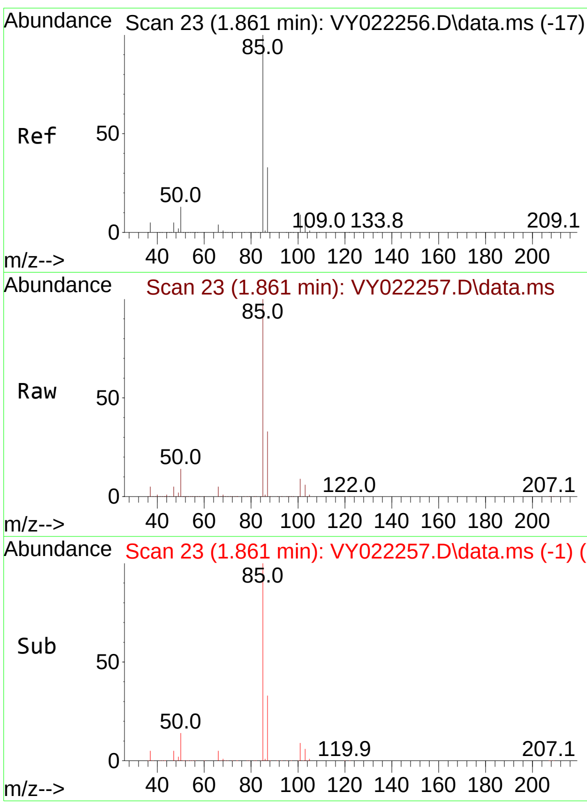


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:168 Resp: 26839

Ion	Ratio	Lower	Upper
168	100		
99	56.7	44.2	66.4

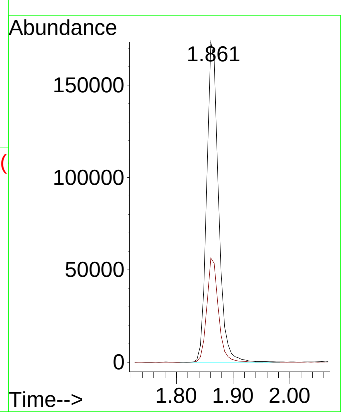


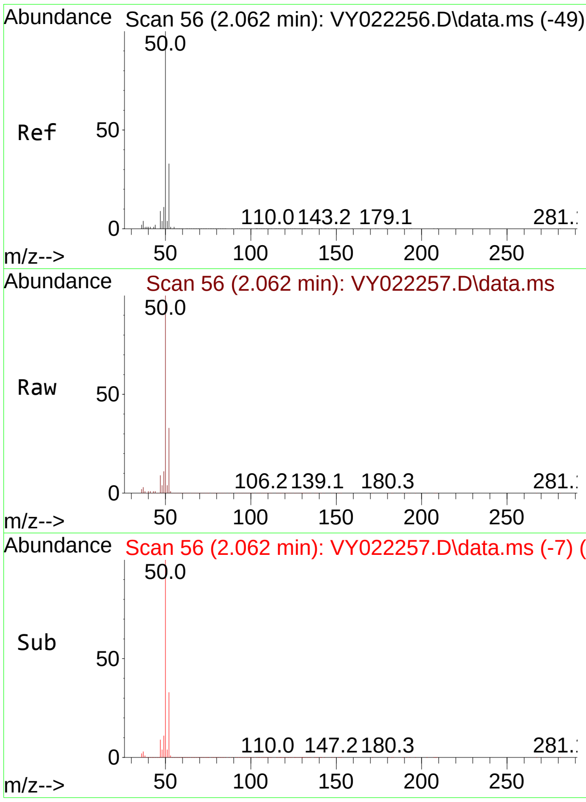


#2
Dichlorodifluoromethane
Concen: 90.138 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 85 Resp: 252438

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5





#3
Chloromethane
Concen: 95.302 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 50 Resp: 56144

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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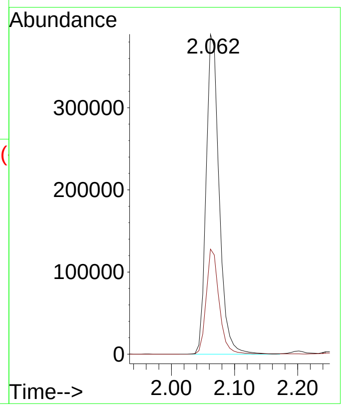
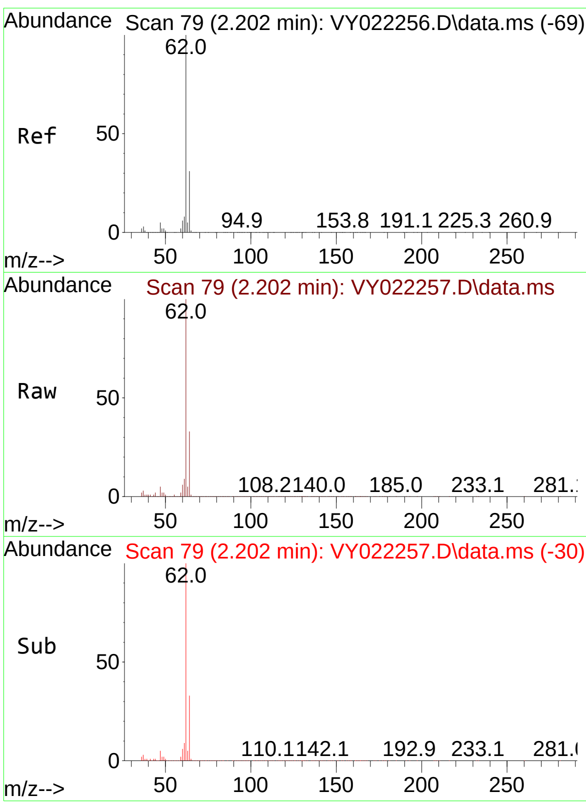
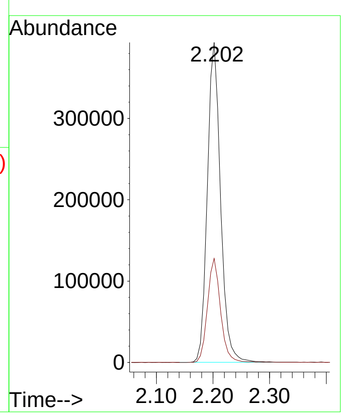




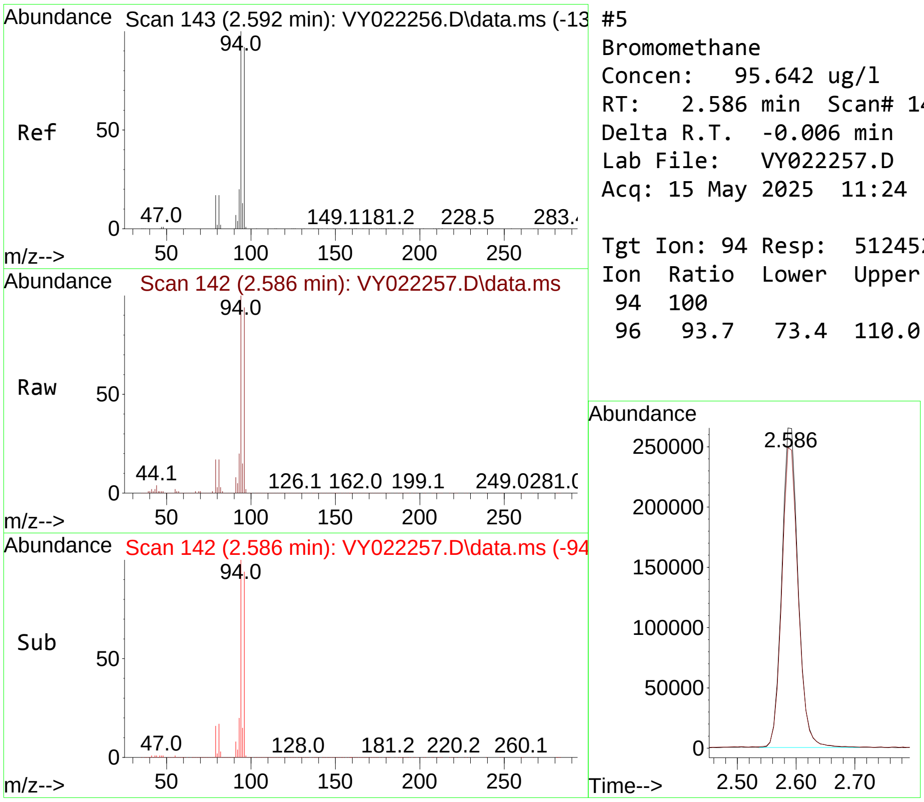
#4
Vinyl Chloride
Concen: 97.085 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 639001

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7



ICAL Form

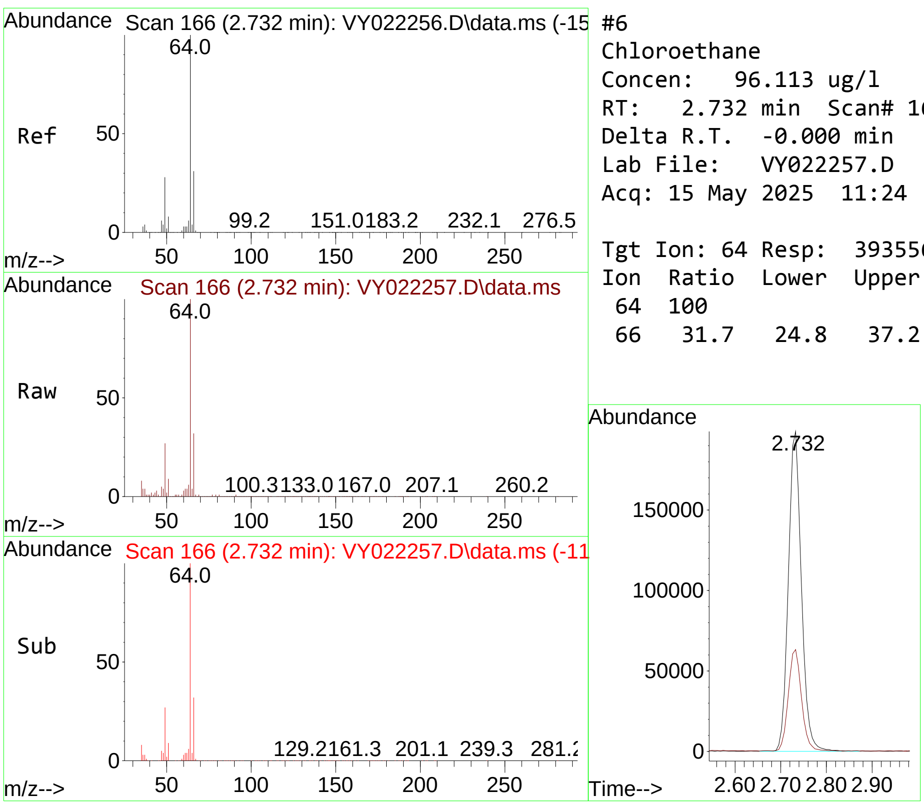


#5
Bromomethane
Concen: 95.642 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 94 Resp: 51245
Ion Ratio Lower Upper
94 100
96 93.7 73.4 110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

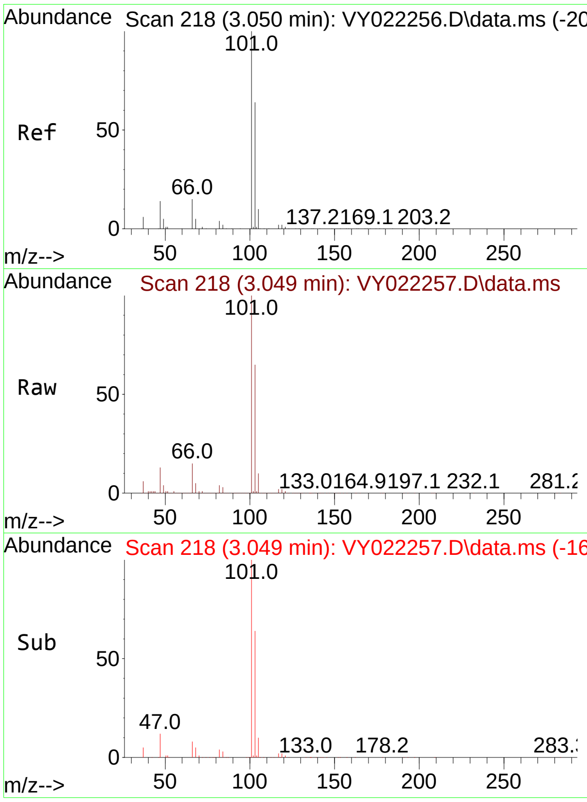
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 96.113 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 64 Resp: 393556
Ion Ratio Lower Upper
64 100
66 31.7 24.8 37.2

ICAL Form



#7
Trichlorofluoromethane
Concen: 97.581 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:101 Resp: 650265

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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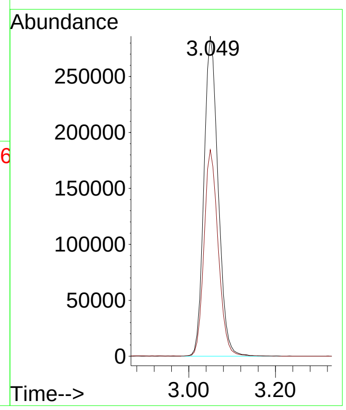
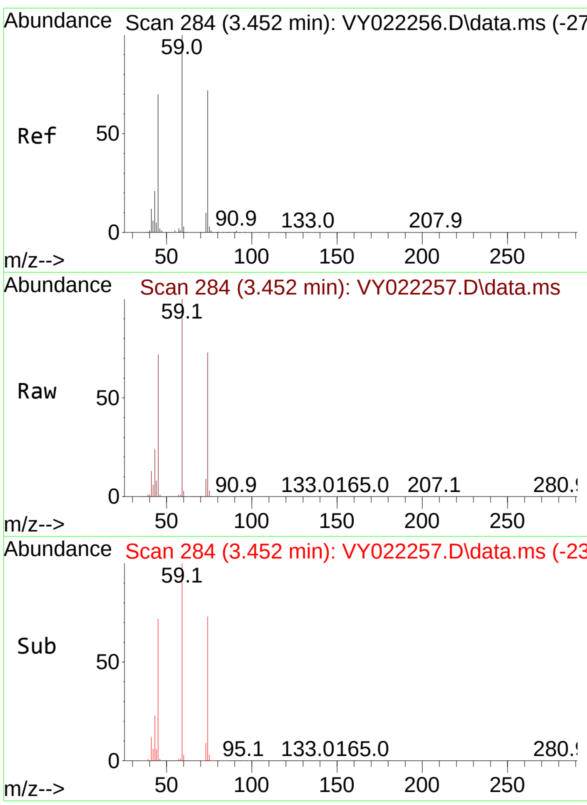
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

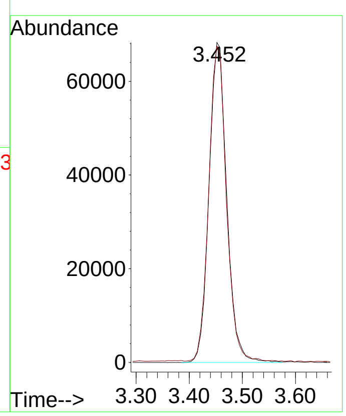


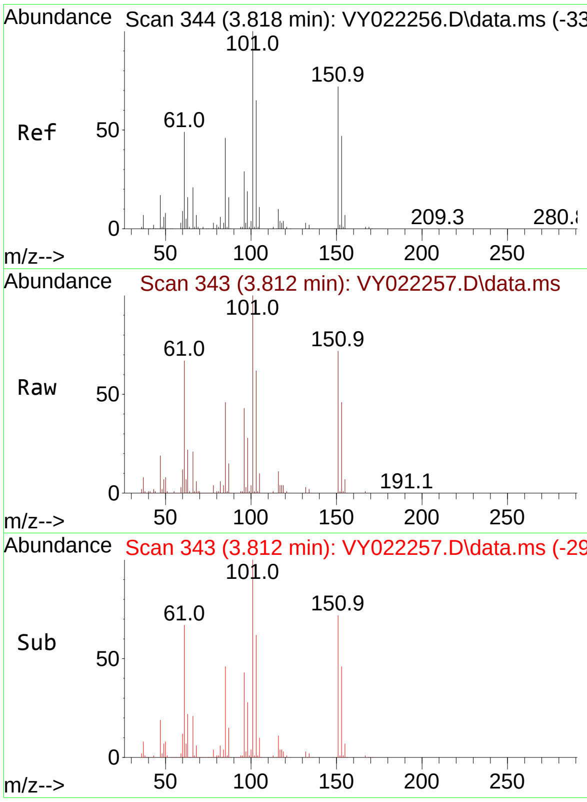


#8
Diethyl Ether
Concen: 99.031 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 74 Resp: 158375

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.120 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 272288

Ion	Ratio	Lower	Upper
101	100		
85	48.8	38.6	58.0
151	75.3	59.7	89.5

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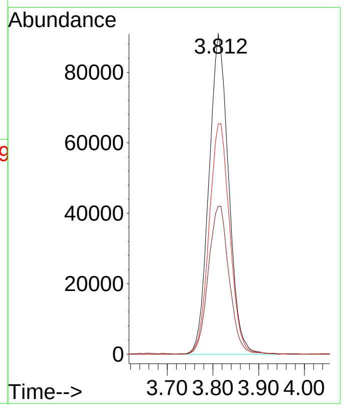
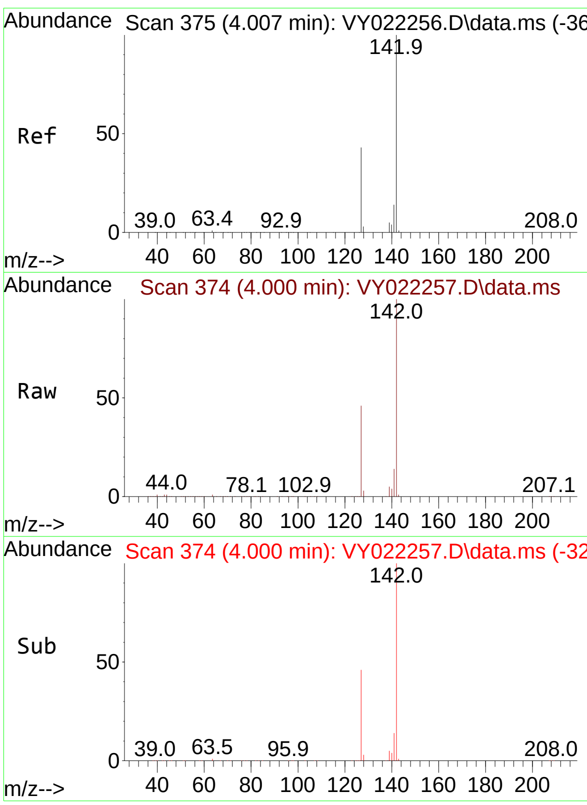
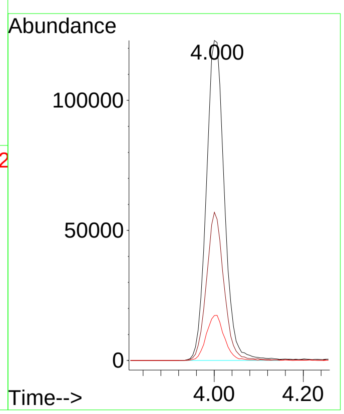




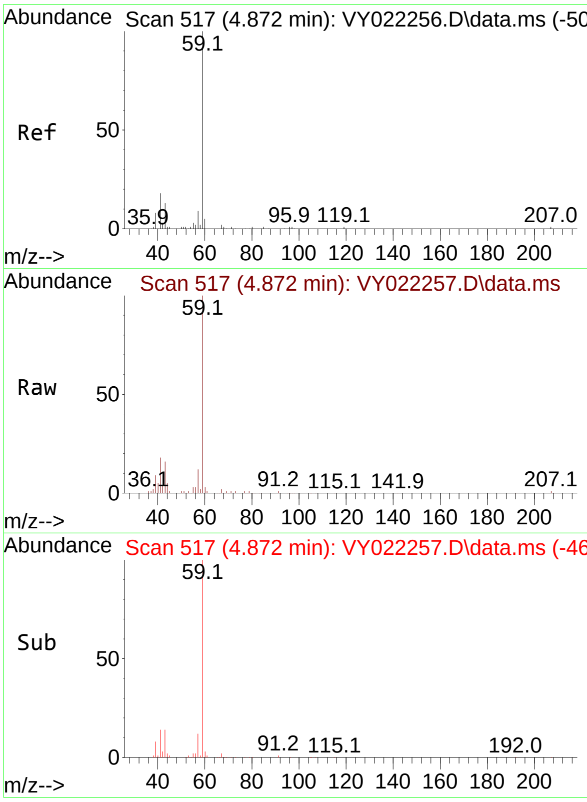
#10
Methyl Iodide
Concen: 104.334 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:142 Resp: 349345

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.1	11.1	16.7



ICAL Form



#11
Tert butyl alcohol
Concen: 502.655 ug/l
RT: 4.872 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument : MSVOA_Y
ClientSampleId : VSTDICC100

Tgt Ion: 59 Resp: 112591

Ion	Ratio	Lower	Upper
59	100		
57	10.6	0.0	0.0#

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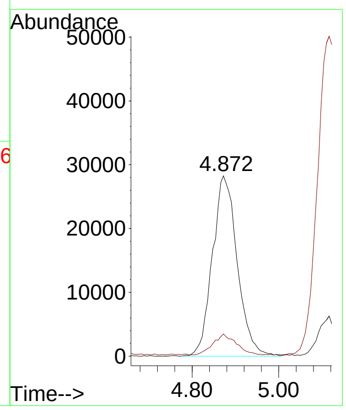
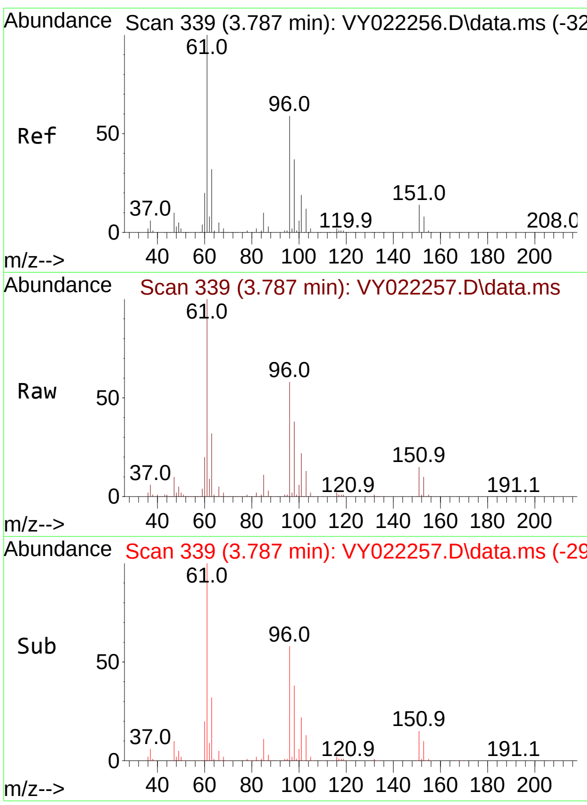
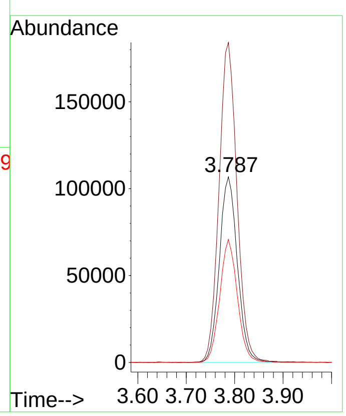




#12
1,1-Dichloroethene
Concen: 96.798 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 277897

Ion	Ratio	Lower	Upper
96	100		
61	172.4	134.9	202.3
98	66.2	49.9	74.9



Instrument : MSVOA_Y
ClientSampleId : VSTDICC100

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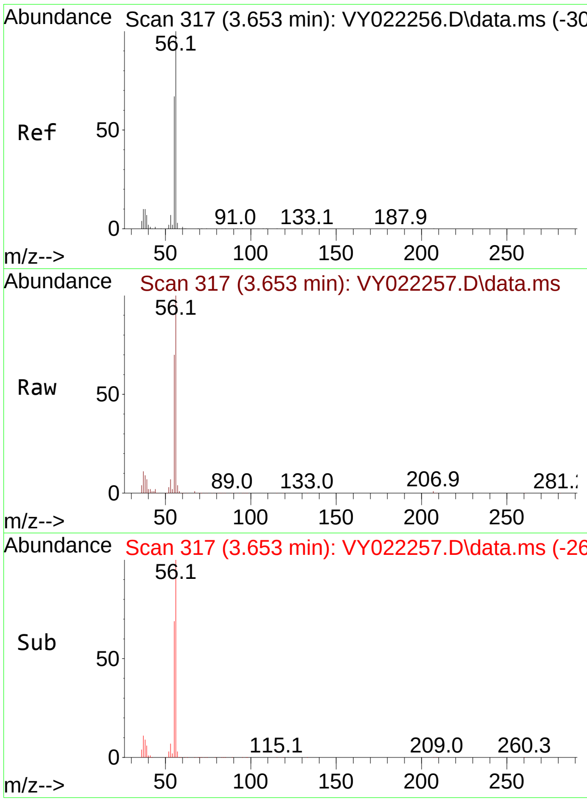
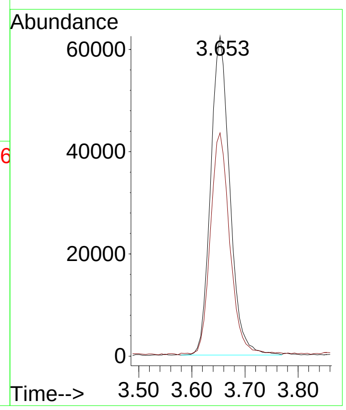
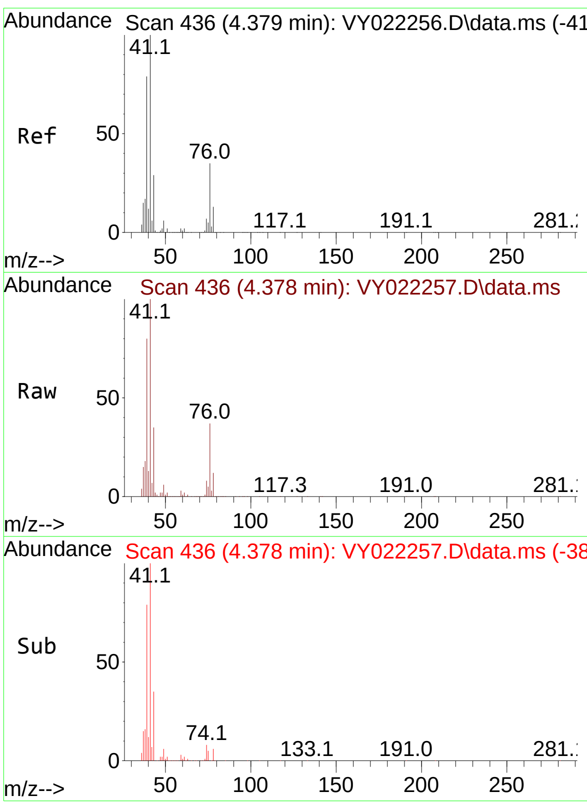



```
#13
Acrolein
Concen:  478.373 ug/l
RT:    3.653 min  Scan# 3
Delta R.T.   -0.000 min
Lab File:    VY022257.D
Acq: 15 May 2025  11:24

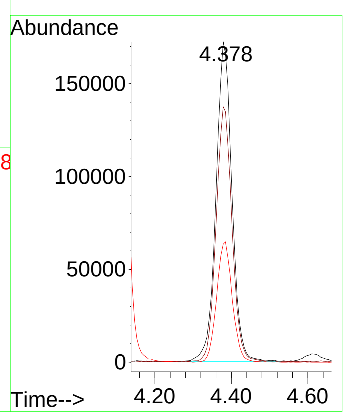
Tgt Ion: 56 Resp:  15664
Ion  Ratio  Lower  Upper
 56  100
 55   70.4   55.6   83.4
```






```
#14
Allyl chloride
Concen:   99.429 ug/l
RT:    4.378 min  Scan# 436
Delta R.T.   -0.000 min
Lab File:    VY022257.D
Acq: 15 May 2025  11:24

Tgt Ion: 41 Resp:   500514
Ion  Ratio  Lower  Upper
 41  100
 39   79.4   63.4   95.0
 76   36.9   29.5   44.3
```



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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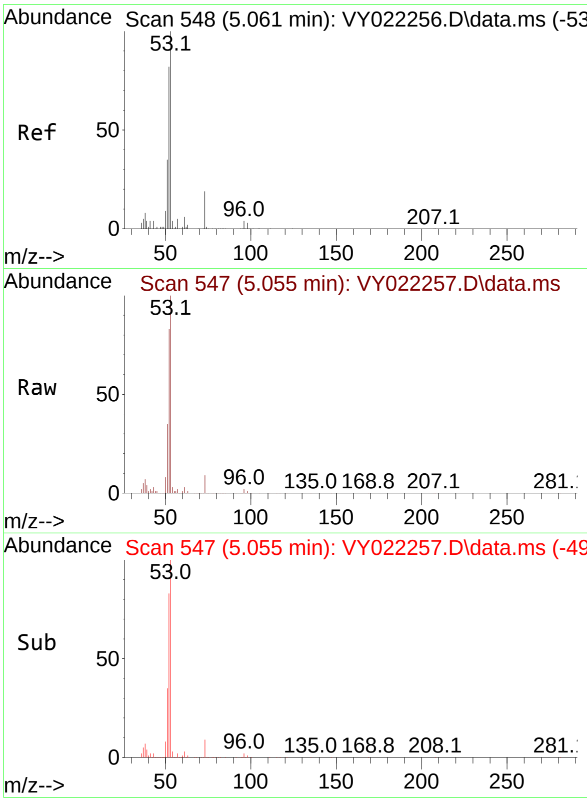
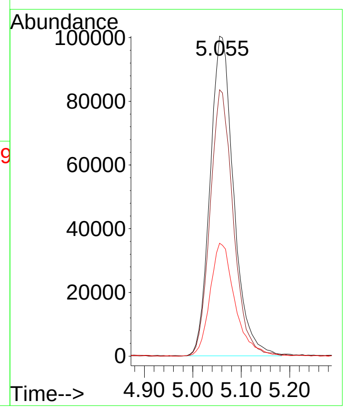
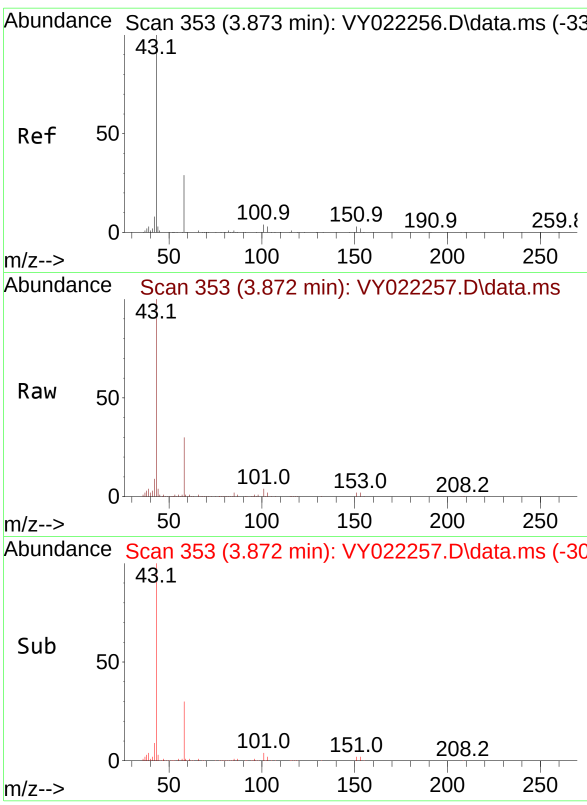


#15
Acrylonitrile
Concen: 516.458 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 53 Resp: 340325

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	37.4	30.0	45.0

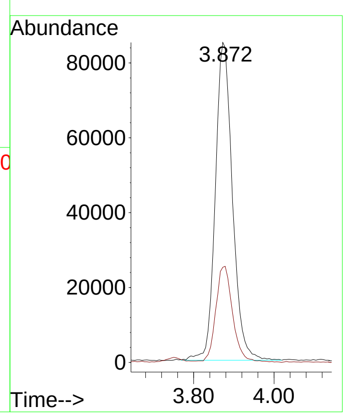




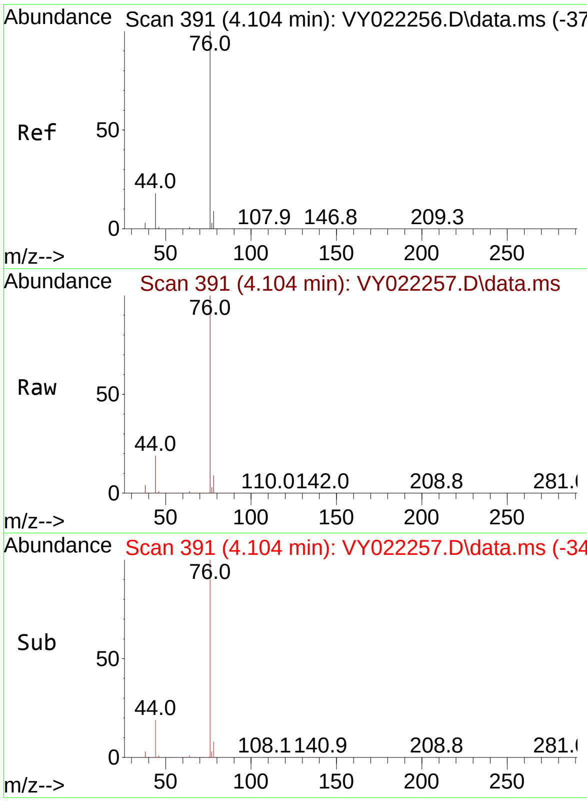
#16
Acetone
Concen: 458.767 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 252327

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4



ICAL Form



#17
Carbon Disulfide
Concen: 96.251 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 90108

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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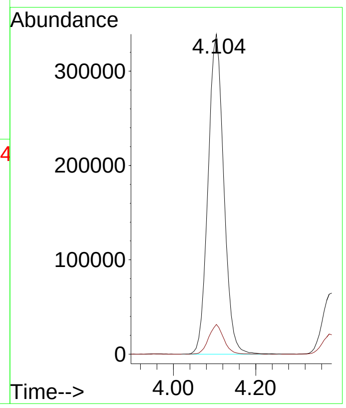
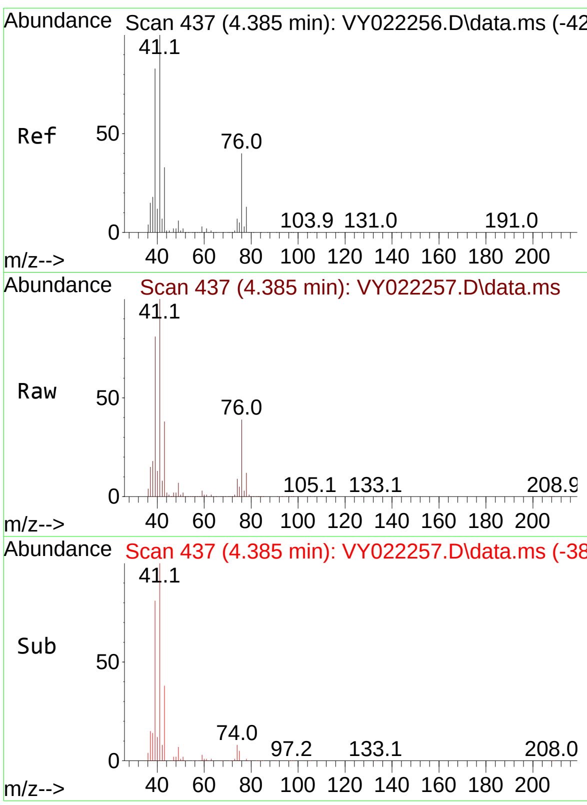
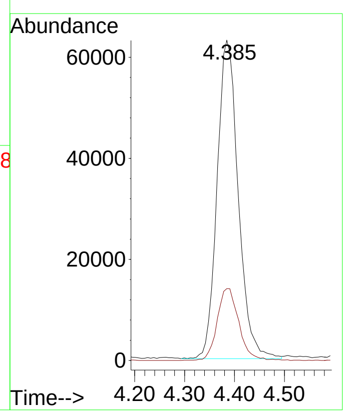




#18
Methyl Acetate
Concen: 111.043 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 185837

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.2	27.4



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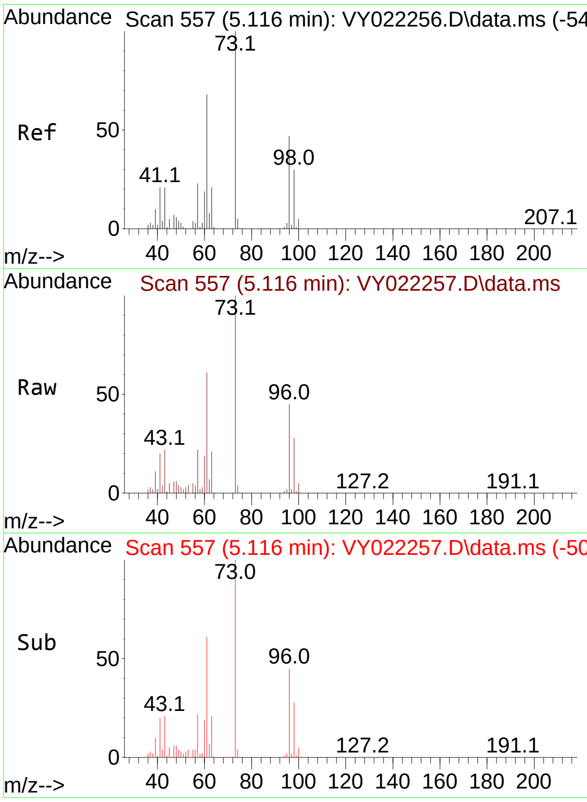

#19
Methyl tert-butyl Ether
Concen: 101.997 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 73 Resp: 80740

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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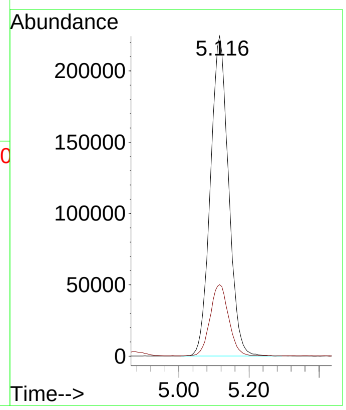
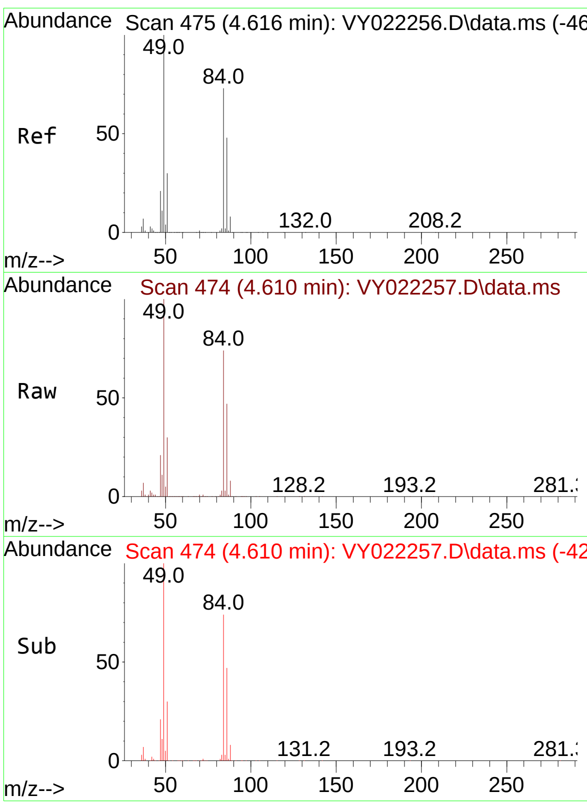
Supervised By :Semsettin Yesilyurt 05/16/2025

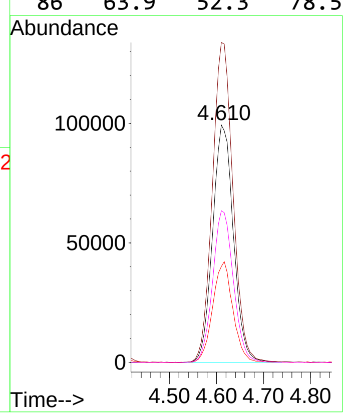


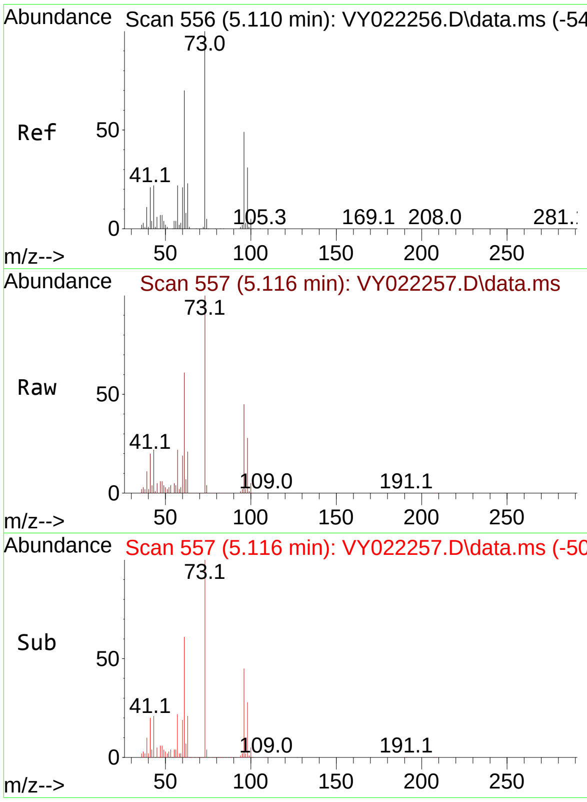


#20
Methylene Chloride
Concen: 86.076 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 84 Resp: 305912

Ion	Ratio	Lower	Upper
84	100		
49	134.8	109.6	164.4
51	40.3	32.4	48.6
86	63.9	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 98.288 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 31146

Ion	Ratio	Lower	Upper
96	100		
61	136.7	113.4	170.0
98	62.4	50.9	76.3

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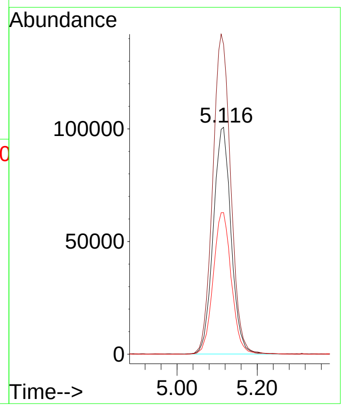
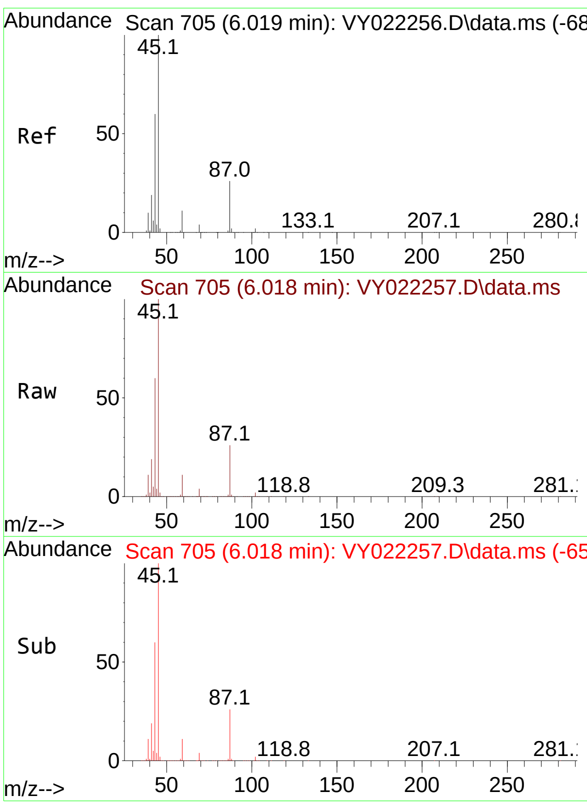
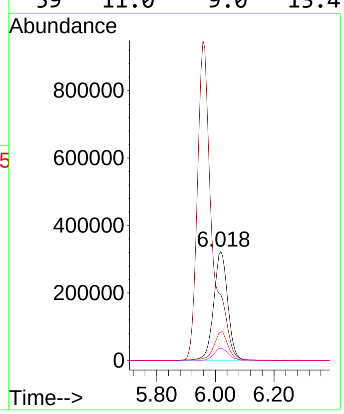




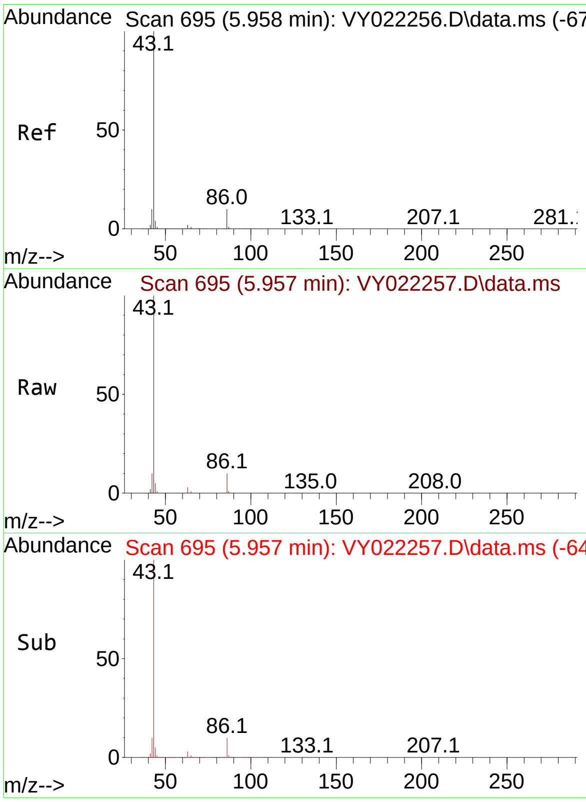
#22
Diisopropyl ether
Concen: 101.128 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 45 Resp: 1075035

Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	25.9	21.4	32.0
59	11.0	9.0	13.4



ICAL Form



#23
Vinyl Acetate
Concen: 507.456 ug/l
RT: 5.957 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3259000

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

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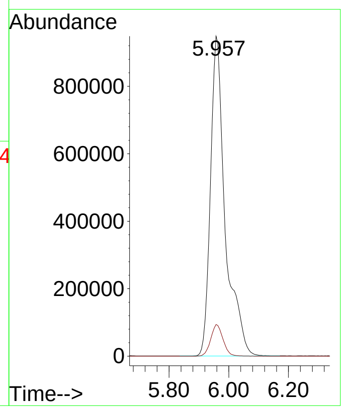
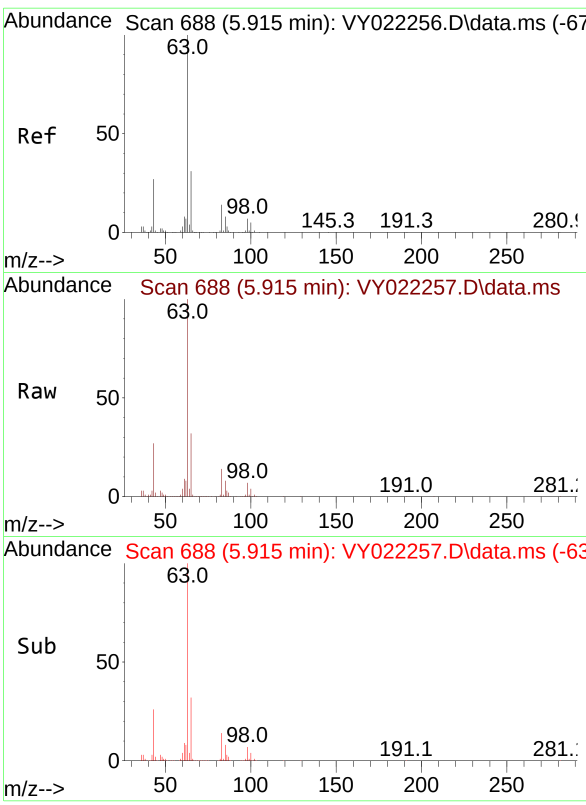
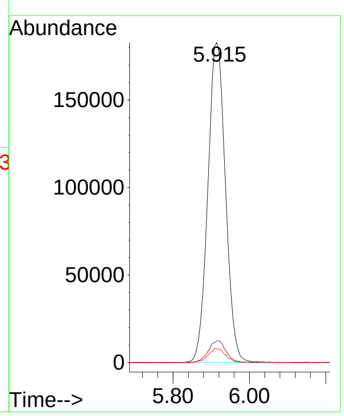


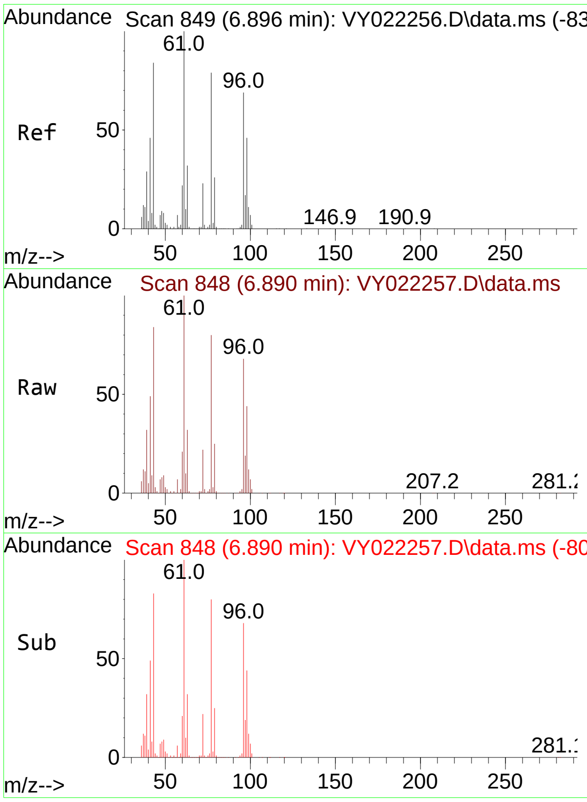


#24
1,1-Dichloroethane
Concen: 98.750 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 586479

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 507.932 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 467301

Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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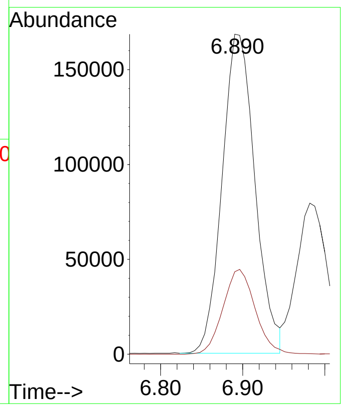
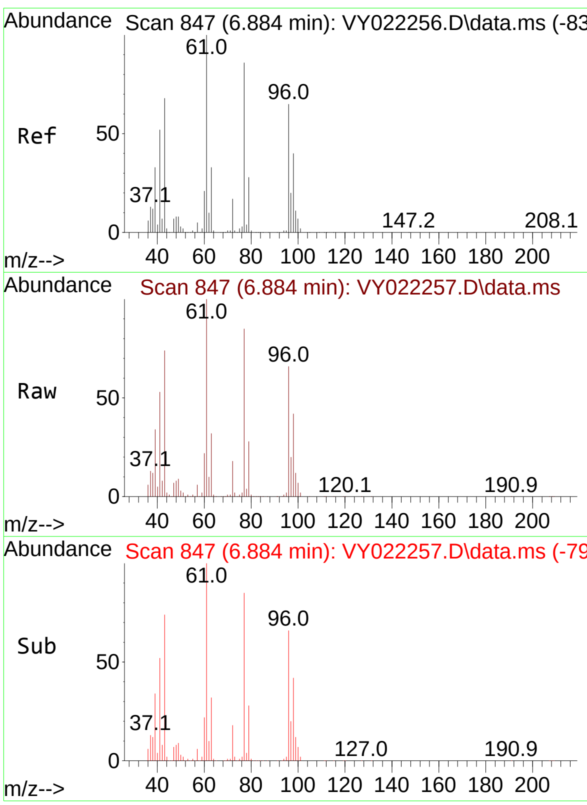
Supervised By :Semsettin Yesilyurt 05/16/2025

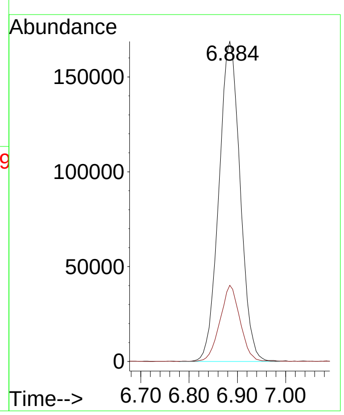


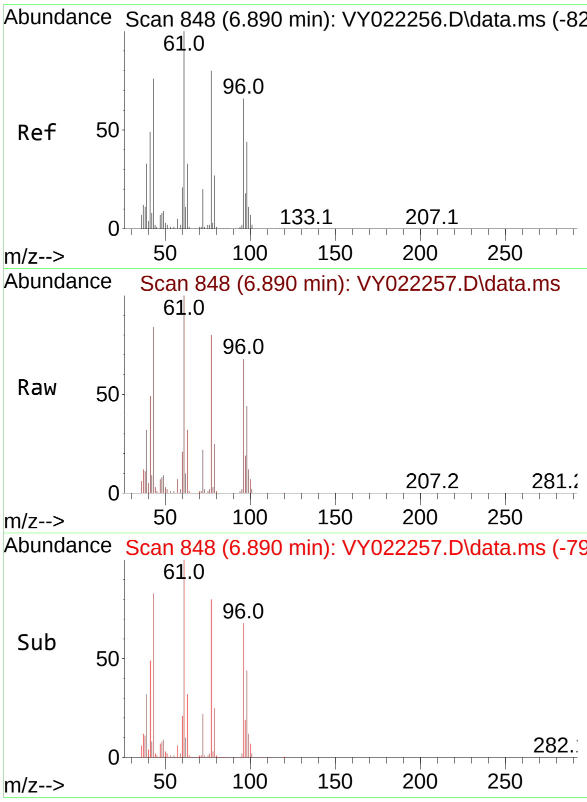


#26
2,2-Dichloropropane
Concen: 97.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 77 Resp: 515990

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 100.861 ug/l
RT: 6.890 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 36882

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	302.6
98	64.6	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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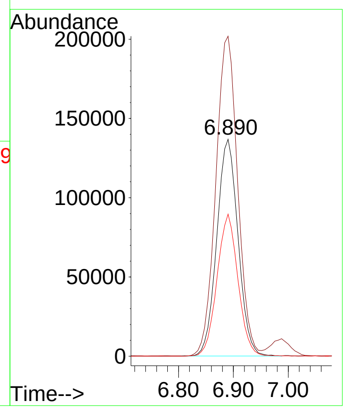
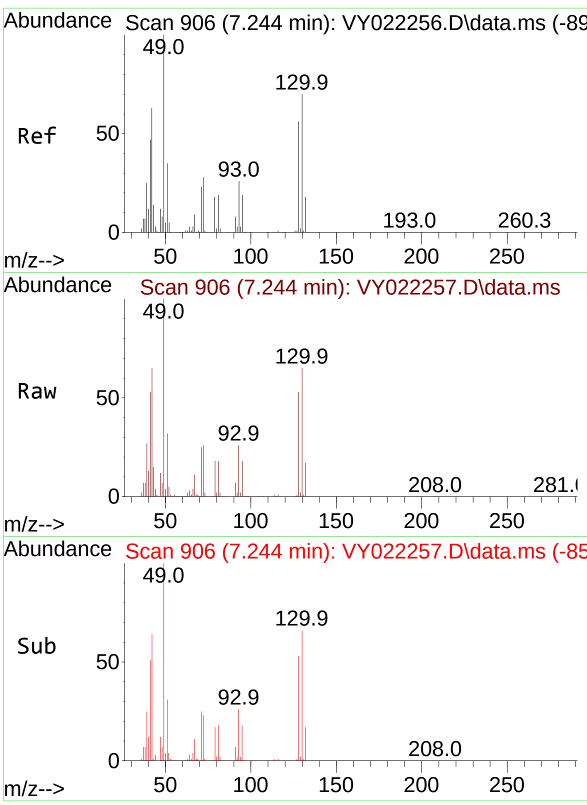
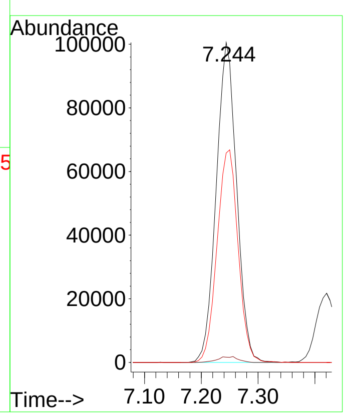


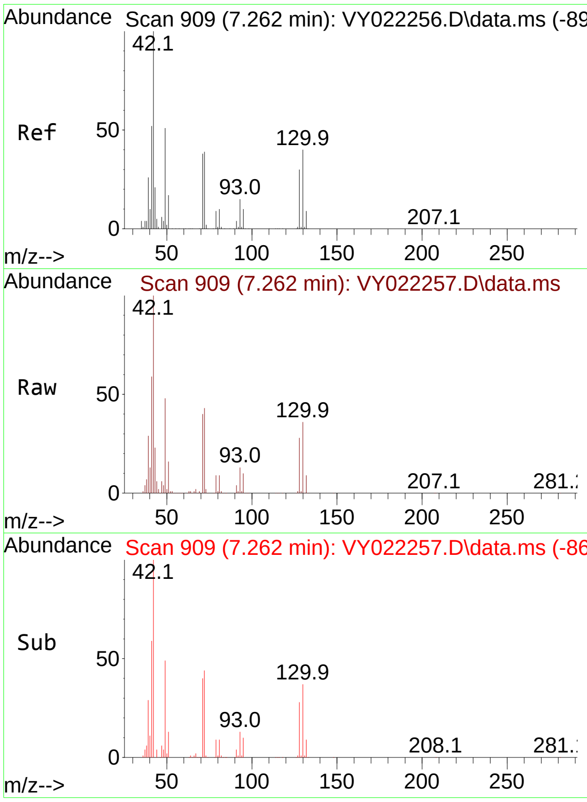


#28
Bromochloromethane
Concen: 99.349 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 49 Resp: 251676

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.4	54.7	82.1

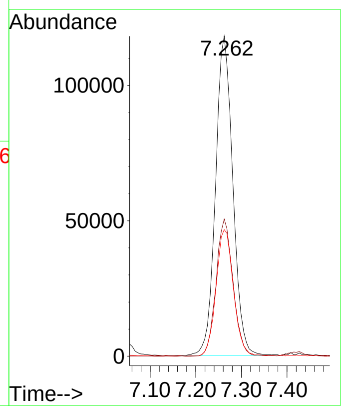




#29
Tetrahydrofuran
Concen: 527.609 ug/l
RT: 7.262 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 42 Resp: 31228(

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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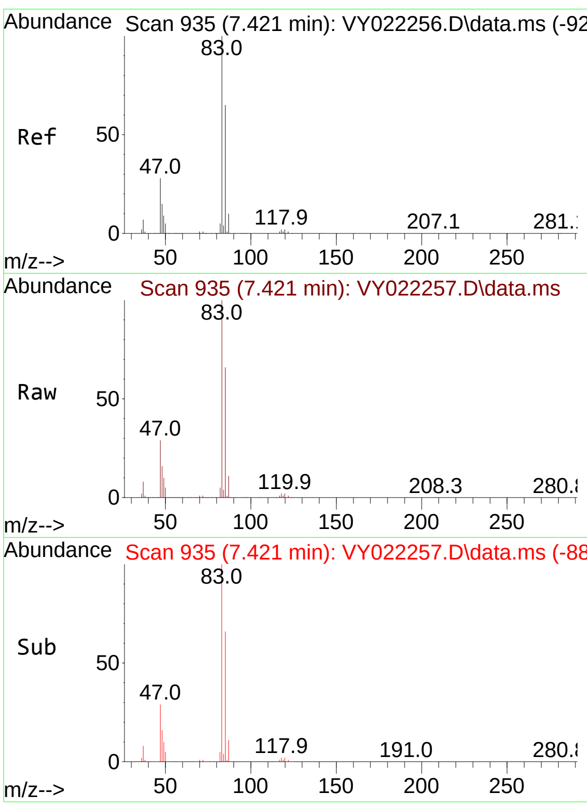
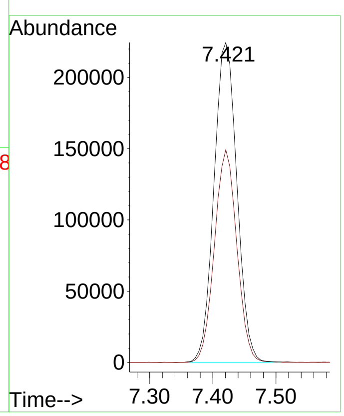
Supervised By :Semsettin Yesilyurt 05/16/2025



#30
Chloroform
Concen: 99.326 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 565823

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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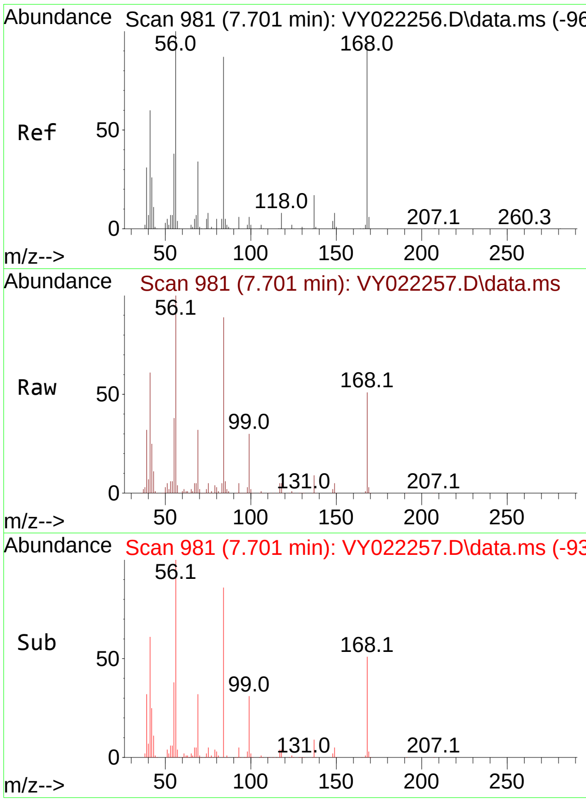
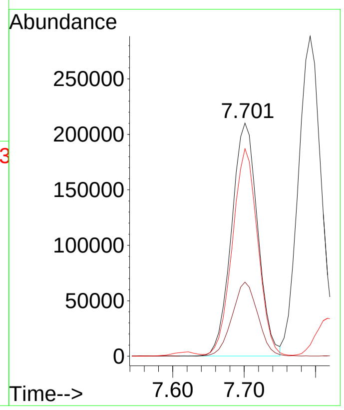
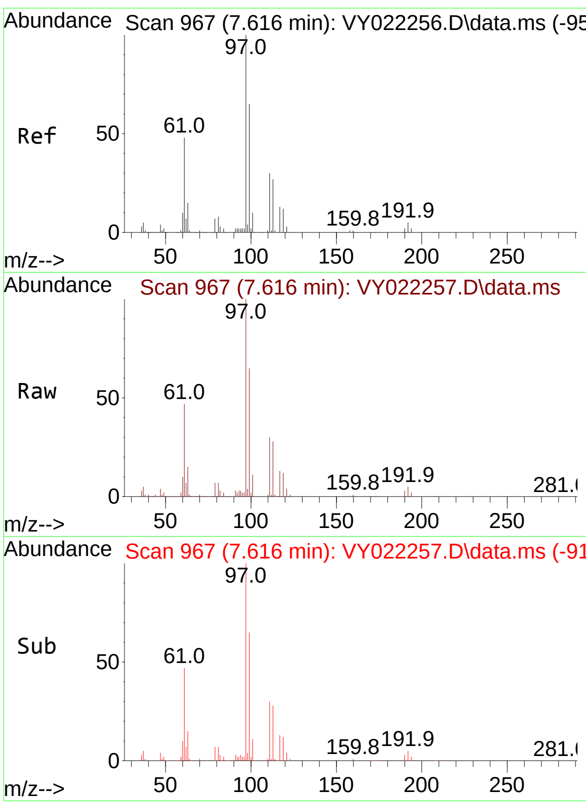


#31
Cyclohexane
Concen: 90.301 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 56 Resp: 53583

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.6	70.0	105.0

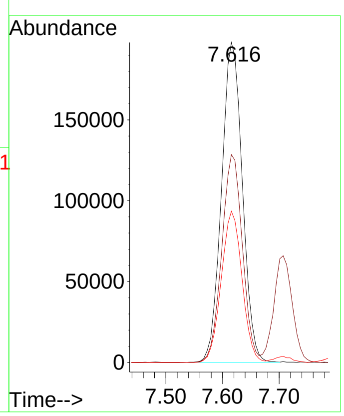


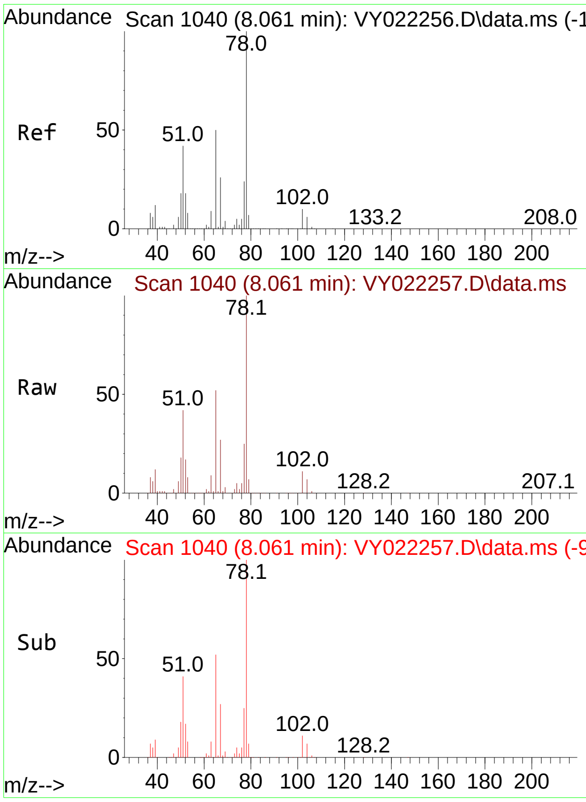


#32
1,1,1-Trichloroethane
Concen: 96.995 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 506927

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	47.1	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 99.729 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 65 Resp: 29253

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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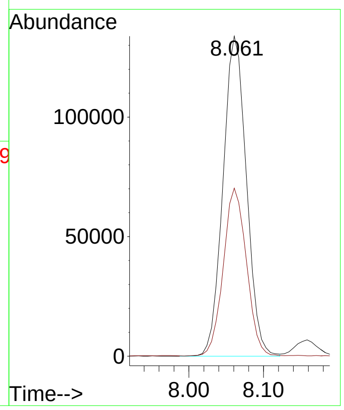
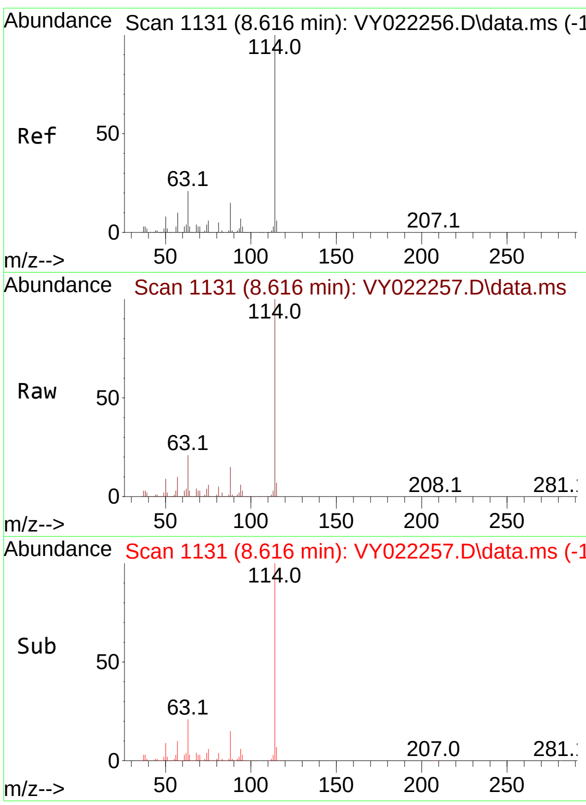
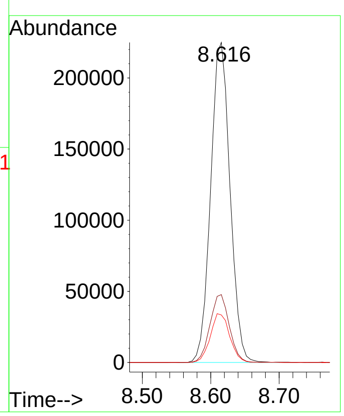




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:114 Resp: 443341

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	14.9	0.0	29.4



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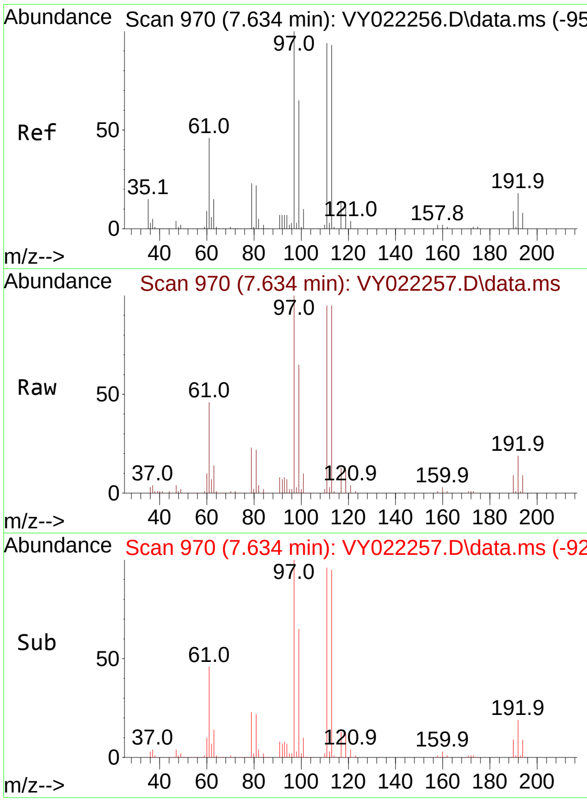

#35
Dibromofluoromethane
Concen: 99.389 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:113 Resp: 26299

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	19.2	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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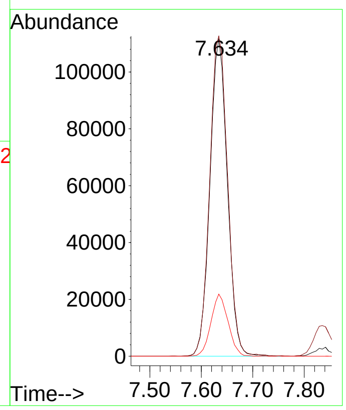
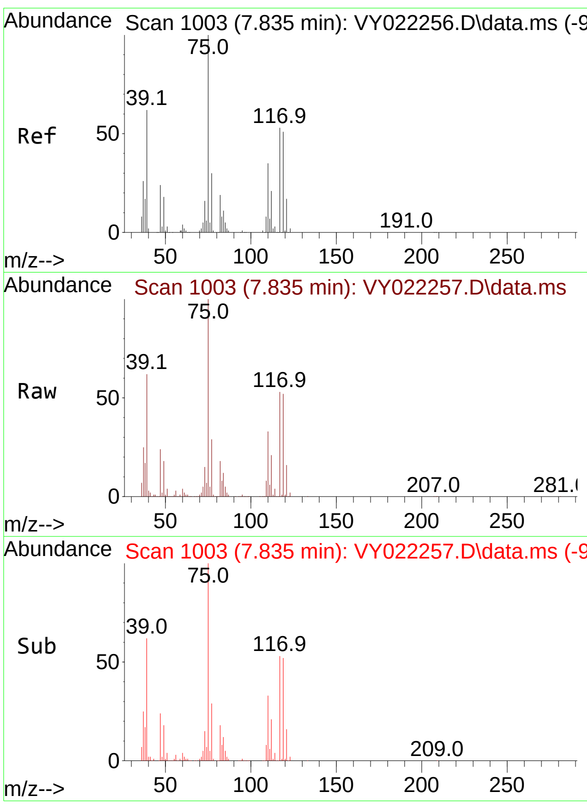
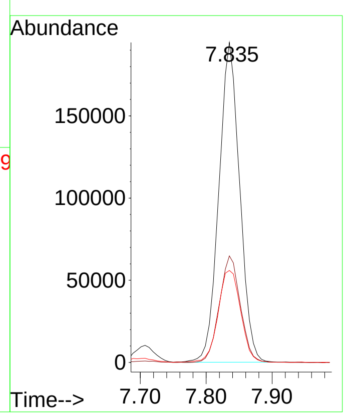




#36
1,1-Dichloropropene
Concen: 98.465 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 429153

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	31.2	24.6	37.0



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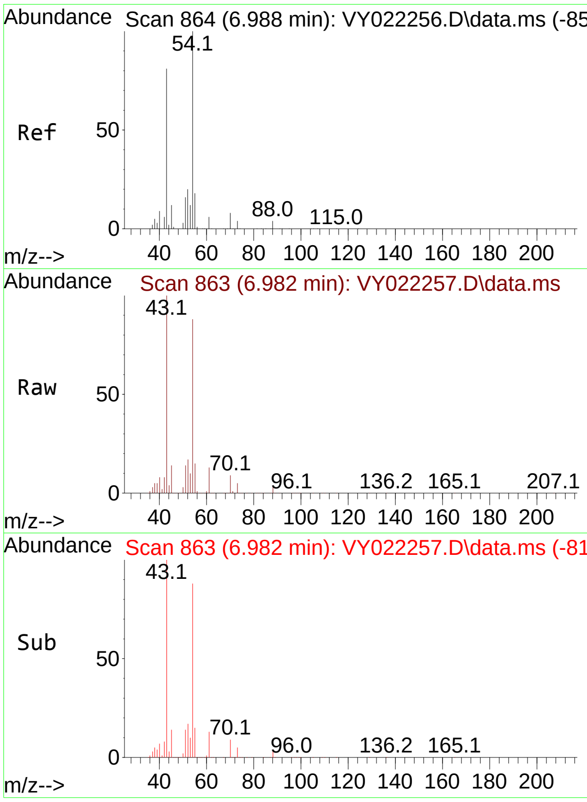

#37
Ethyl Acetate
Concen: 101.642 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 21315

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.1	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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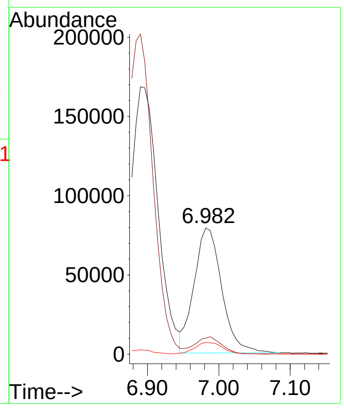
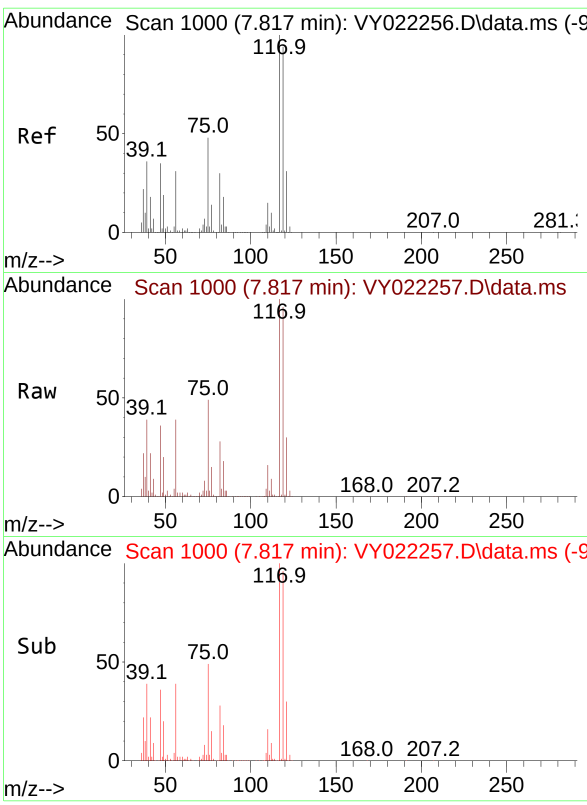
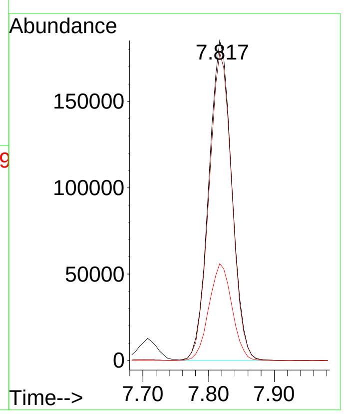




#38
Carbon Tetrachloride
Concen: 100.097 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 451589

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	30.3	24.7	37.1



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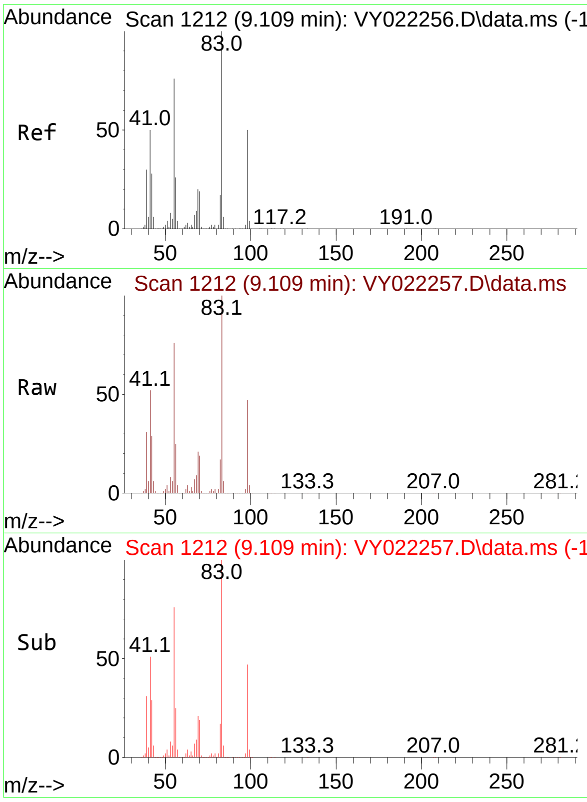

#39
Methylcyclohexane
Concen: 96.704 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 566259

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	90.8
98	47.2	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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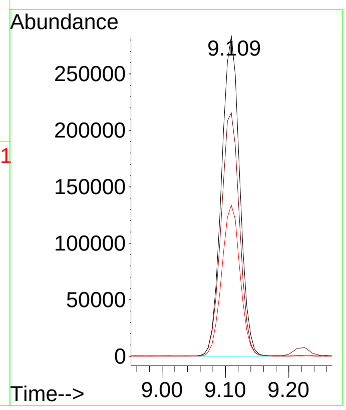
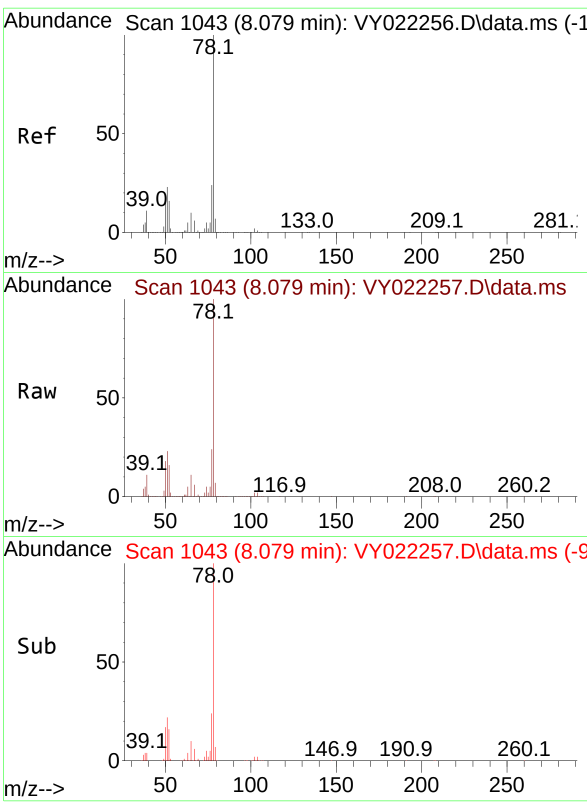
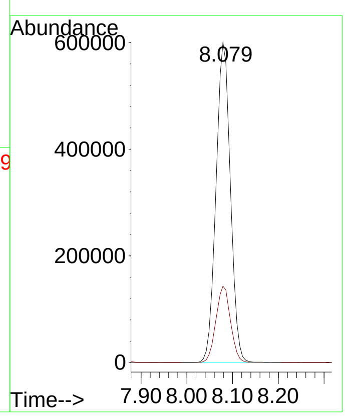




#40
Benzene
Concen: 101.677 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 78 Resp: 1313733

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



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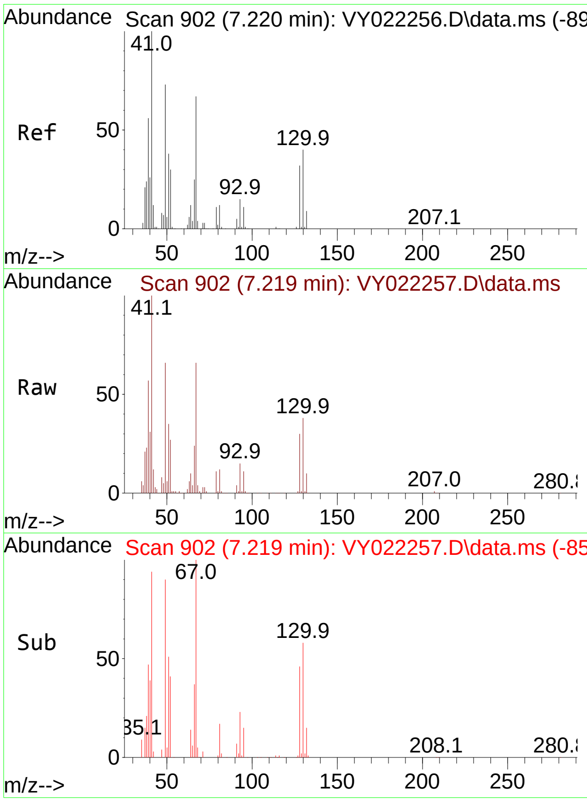

#41
Methacrylonitrile
Concen: 85.474 ug/l m
RT: 7.219 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument : MSVOA_Y
ClientSampleId : VSTDICC100

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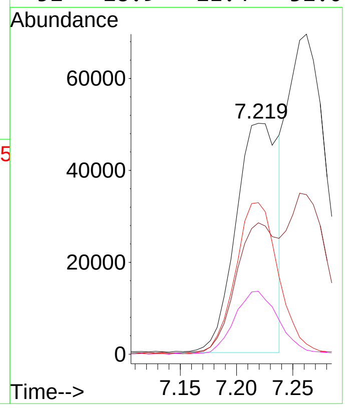
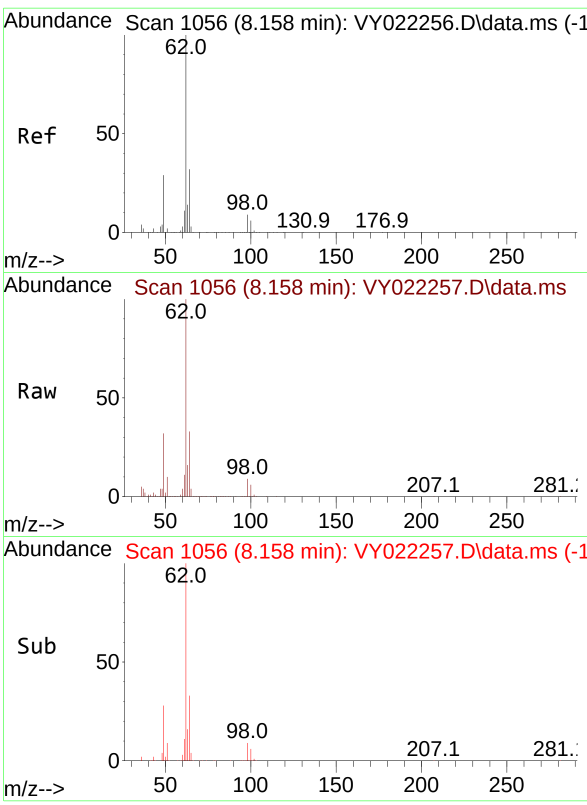
Tgt Ion: 41 Resp: 131157

Ion	Ratio	Lower	Upper
41	100		
39	55.7	39.1	58.7
67	67.2	47.1	70.7
52	28.9	21.4	32.0

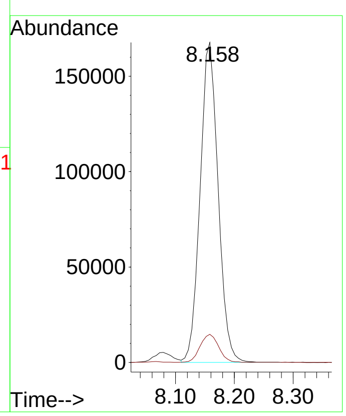


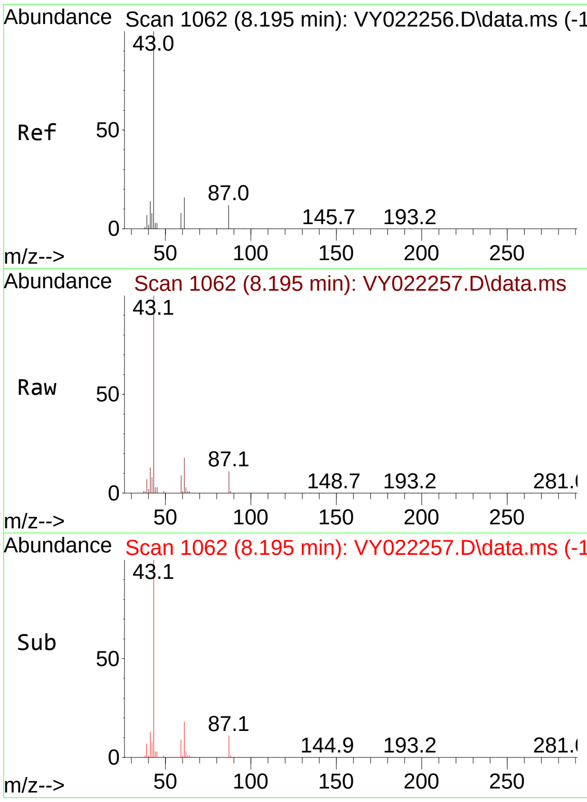


#42
1,2-Dichloroethane
Concen: 102.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 356974

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 103.517 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 47343

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	12.0	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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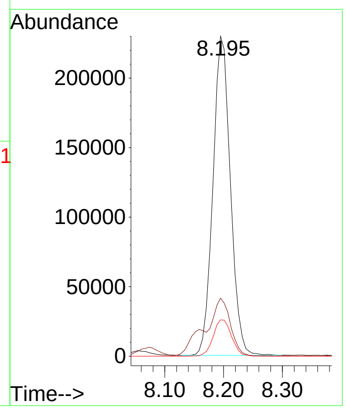
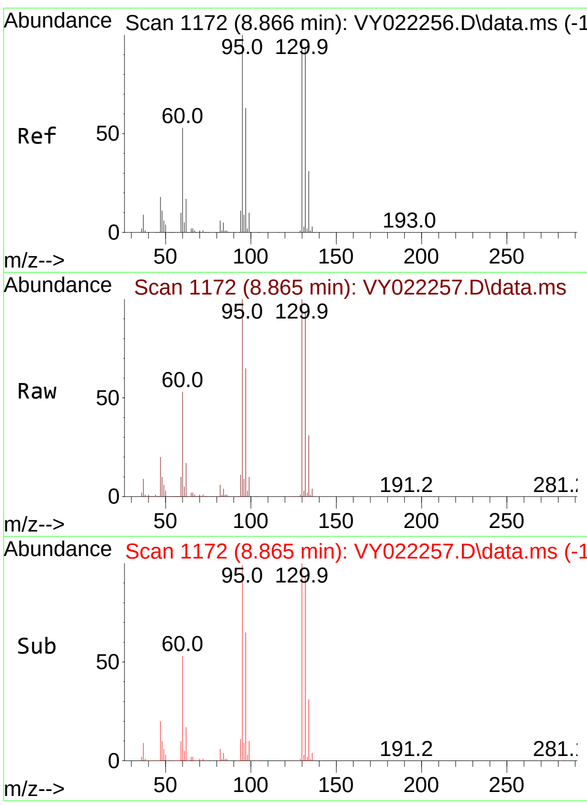
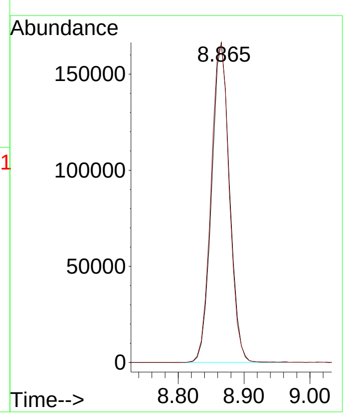


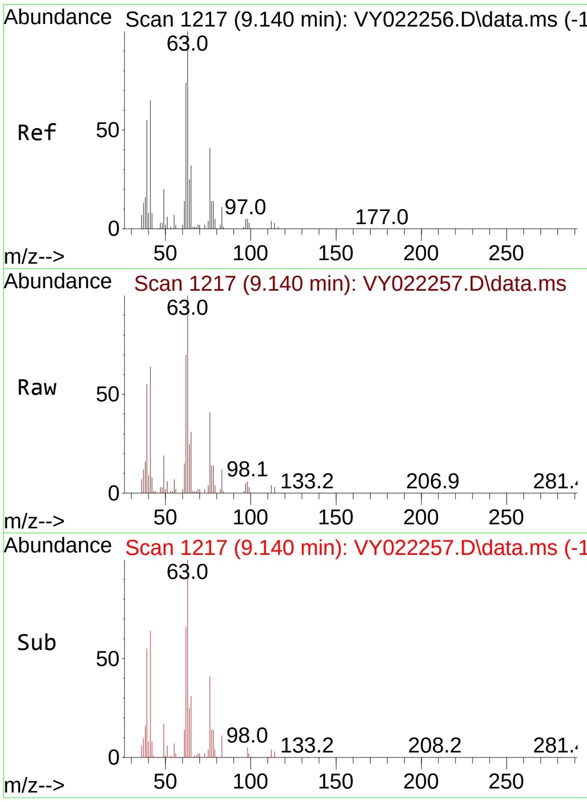


#44
Trichloroethene
Concen: 98.218 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:130 Resp: 315543

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	204.8





#45
1,2-Dichloropropane
Concen: 100.858 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 31417

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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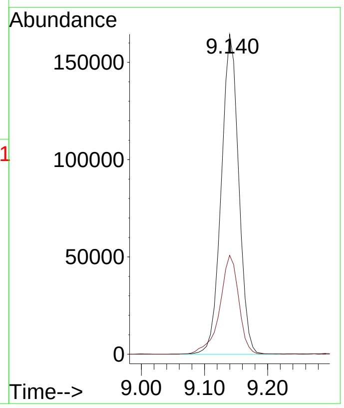
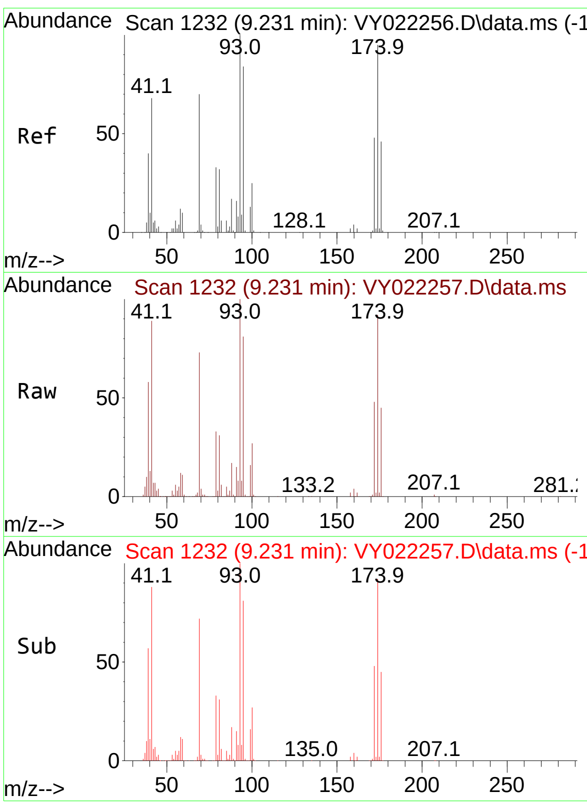
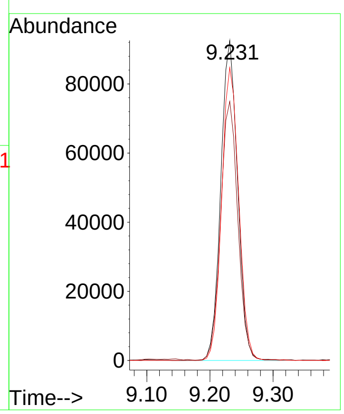




#46
Dibromomethane
Concen: 101.606 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 93 Resp: 170712

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.2	97.8
174	92.9	74.3	111.5



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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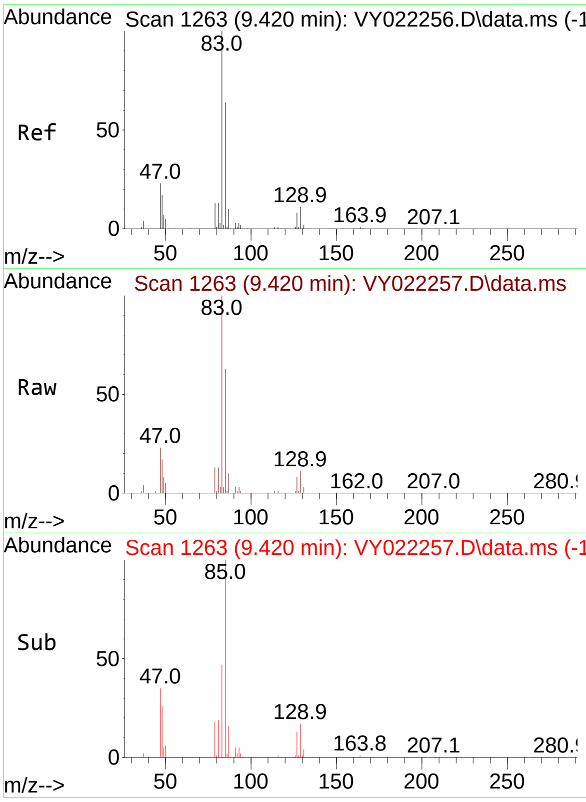
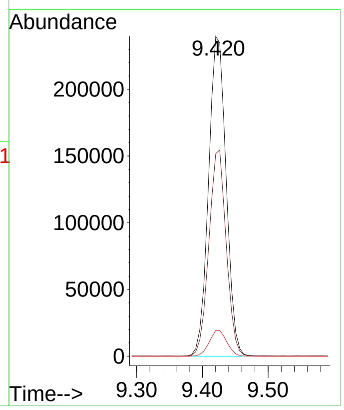
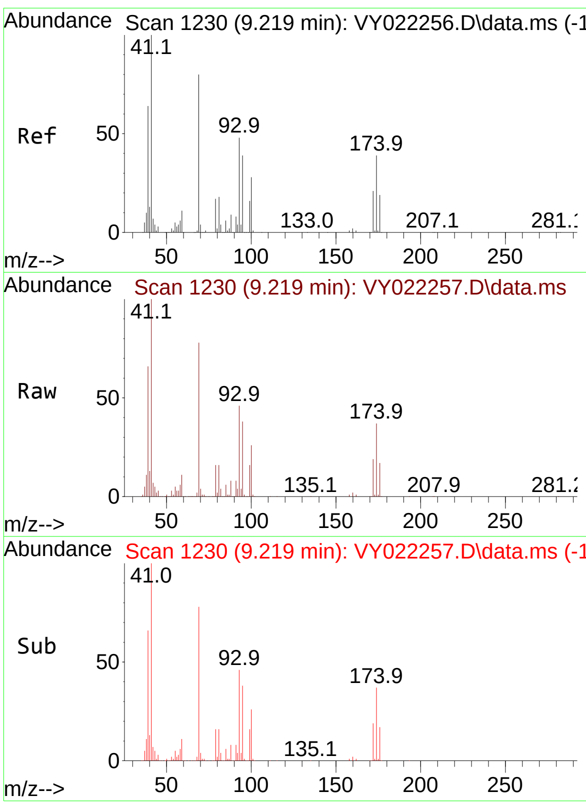


#47
Bromodichloromethane
Concen: 102.514 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 44682

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	6.6	10.0

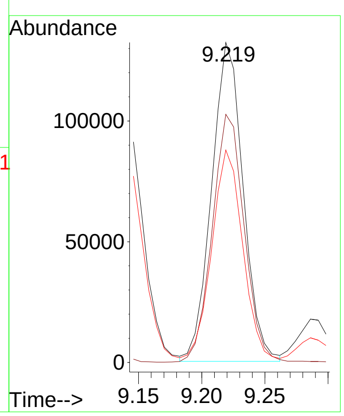




#48
Methyl methacrylate
Concen: 107.308 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 229512

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.5	95.3
39	63.5	50.8	76.2



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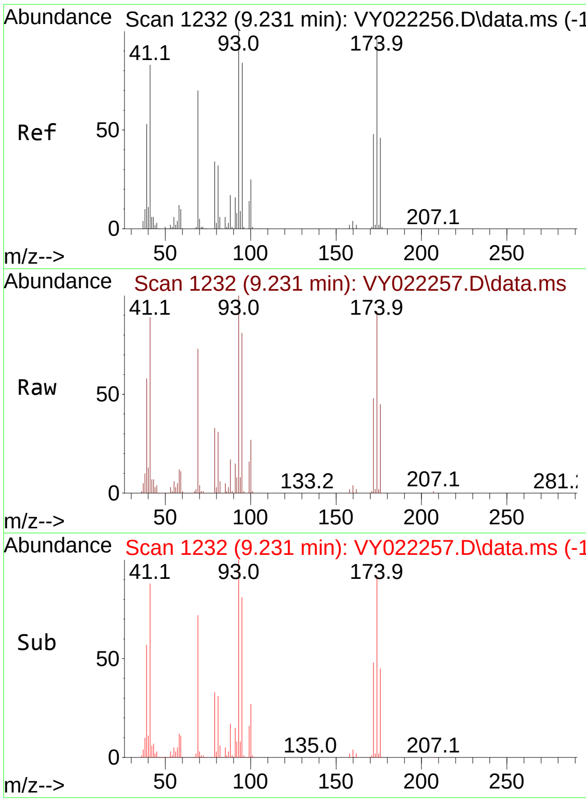

#49
1,4-Dioxane
Concen: 1990.455 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 3778

Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.5	42.7
58	75.0	61.4	92.2

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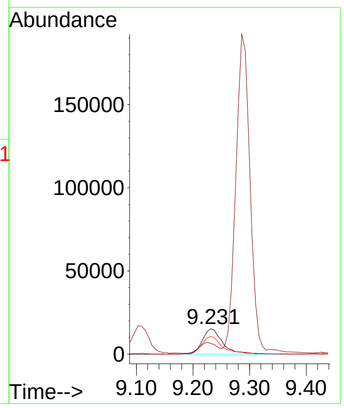
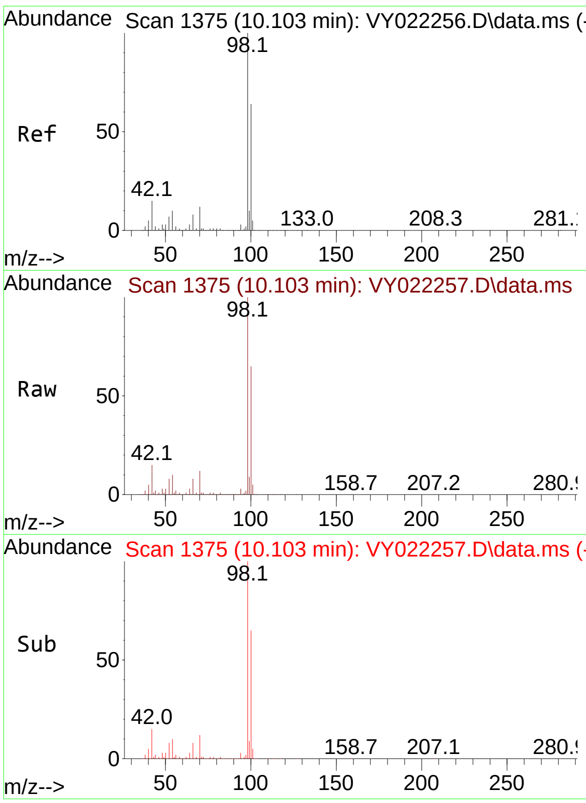
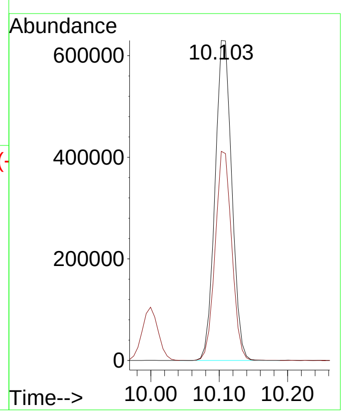




#50
Toluene-d8
Concen: 99.289 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 98 Resp: 1076035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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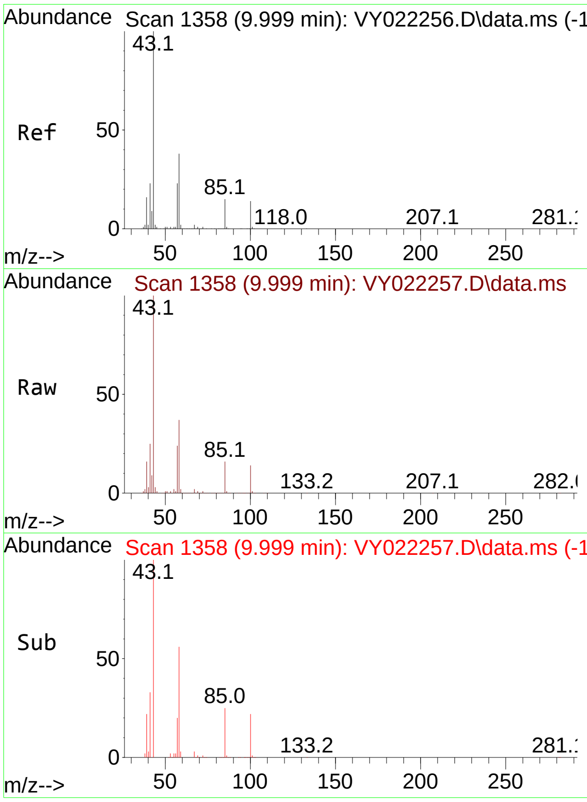
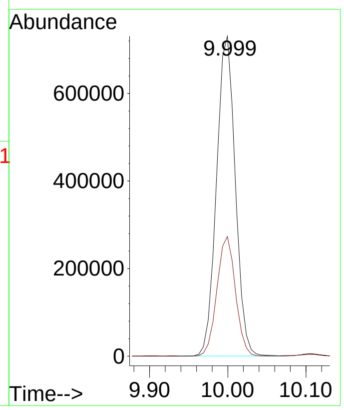
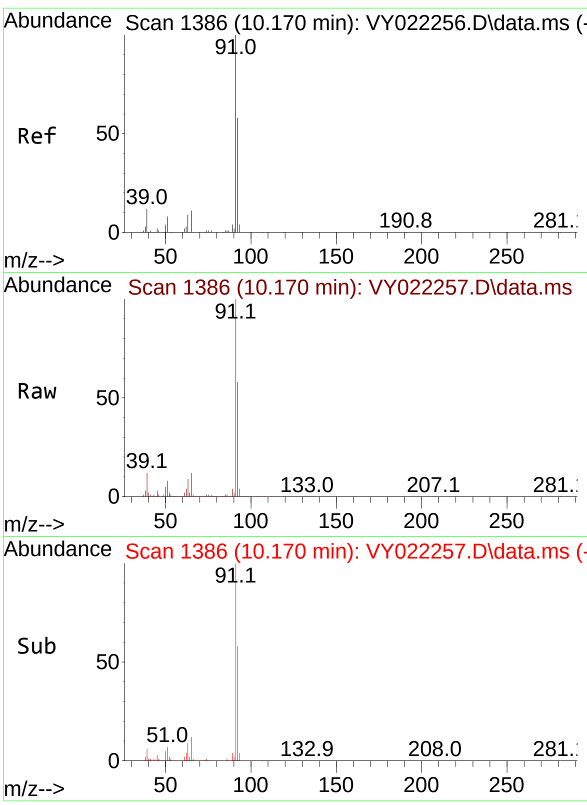


#51
4-Methyl-2-Pentanone
Concen: 543.068 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 121868

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2

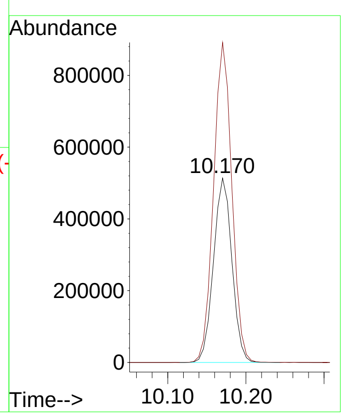




#52
Toluene
Concen: 102.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 92 Resp: 839400

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.1	208.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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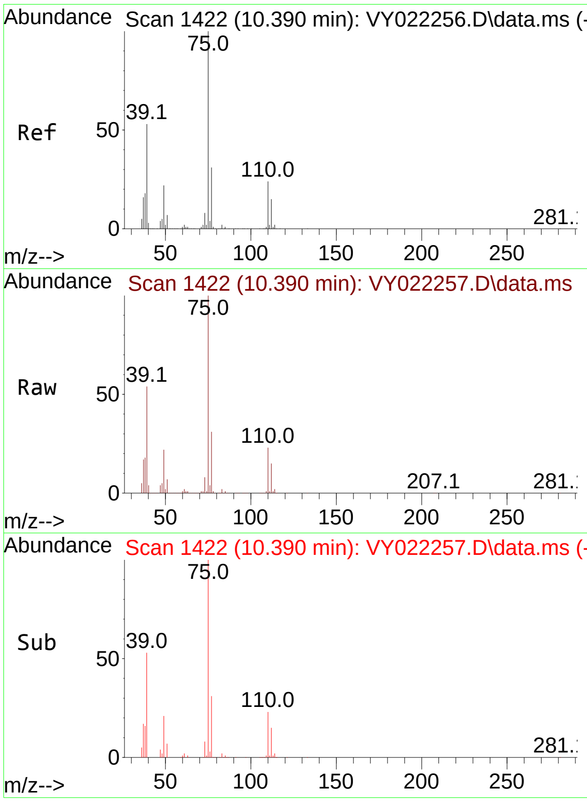
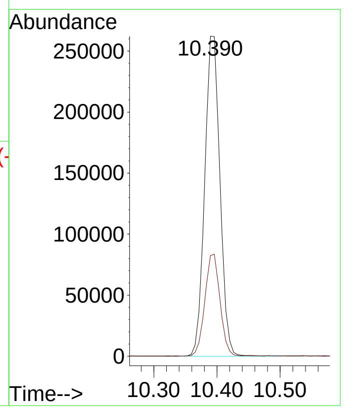
Supervised By :Semsettin Yesilyurt 05/16/2025

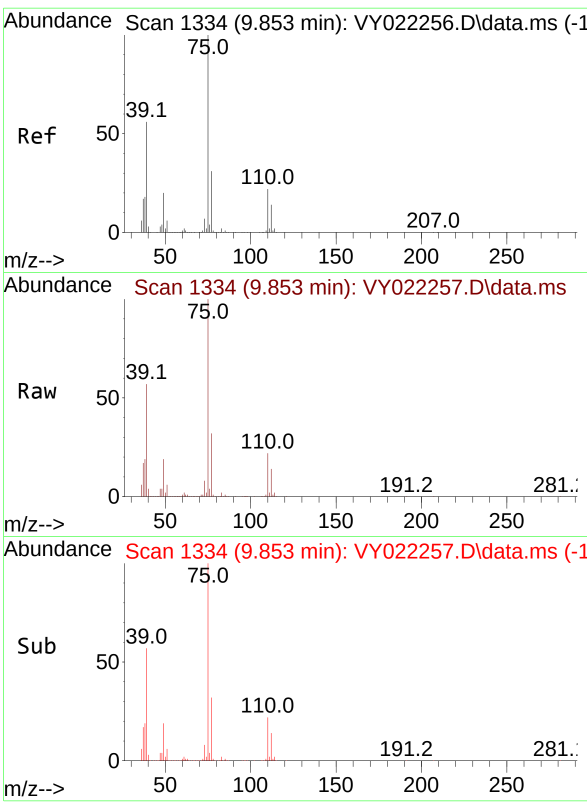


#53
t-1,3-Dichloropropene
Concen: 103.832 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 44167

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

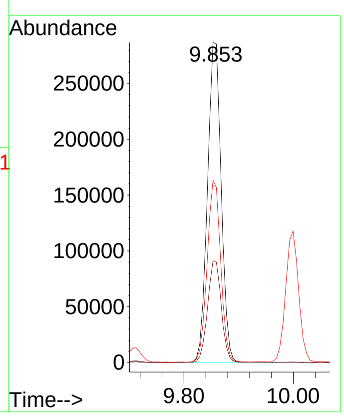




#54
cis-1,3-Dichloropropene
Concen: 102.190 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 498023

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.8	44.5	66.7



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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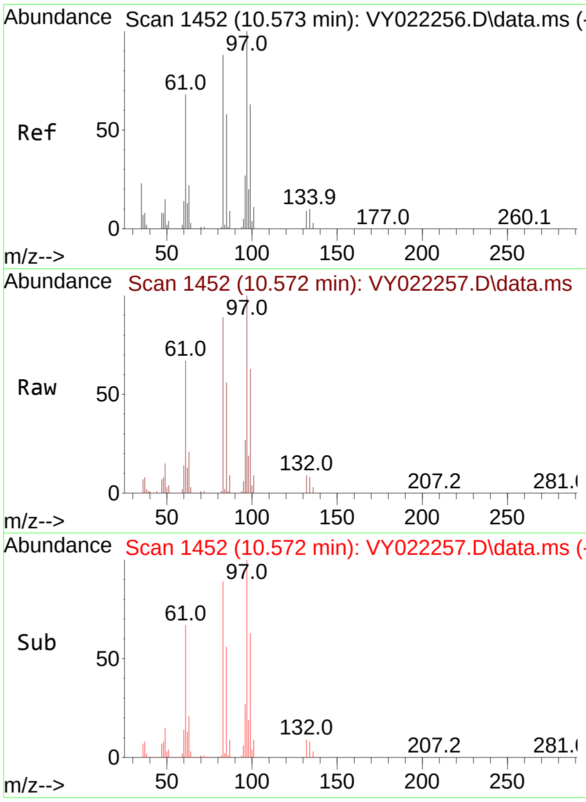
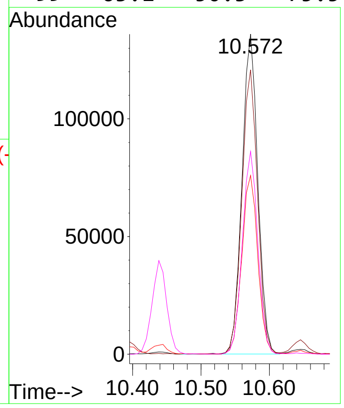
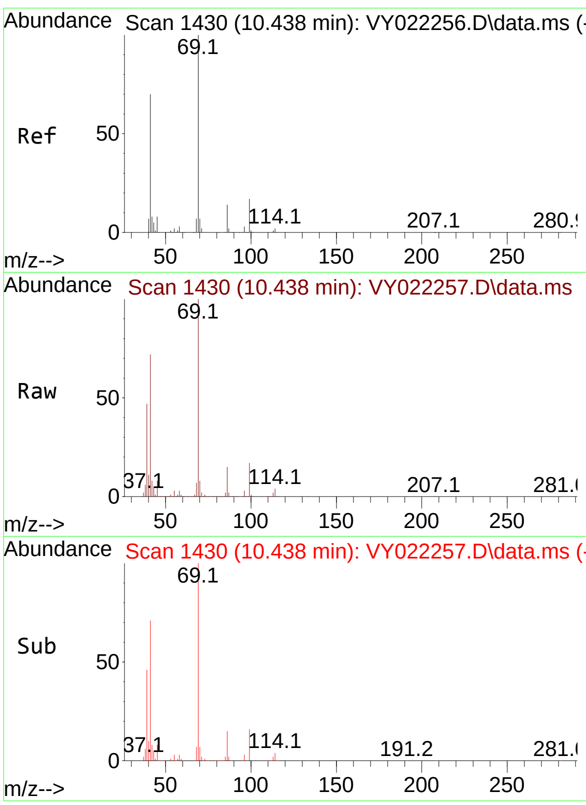


#55
1,1,2-Trichloroethane
Concen: 102.005 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 219460

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.3	105.5
85	55.8	46.2	69.4
99	63.1	50.3	75.5

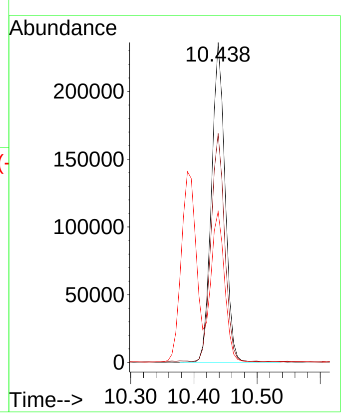


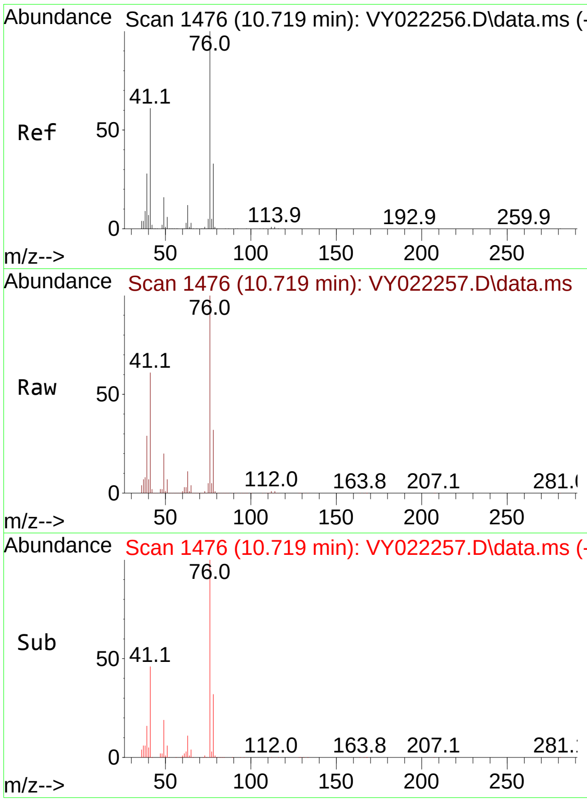


#56
Ethyl methacrylate
Concen: 105.335 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 69 Resp: 353013

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.5	84.7
39	47.7	37.1	55.7





#57
1,3-Dichloropropane
Concen: 102.420 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 39151

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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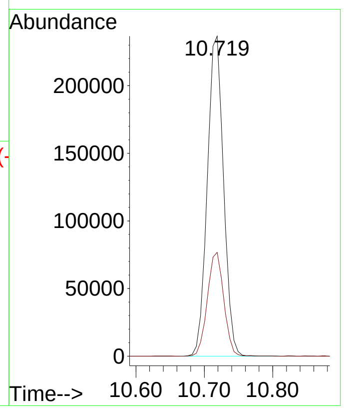
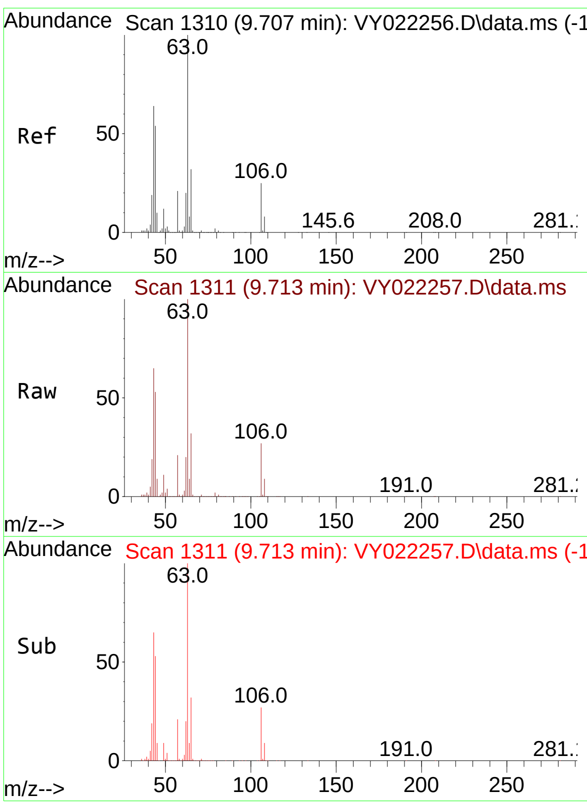
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

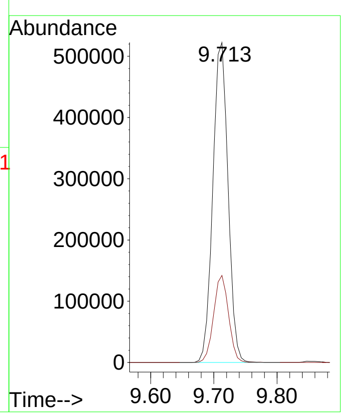




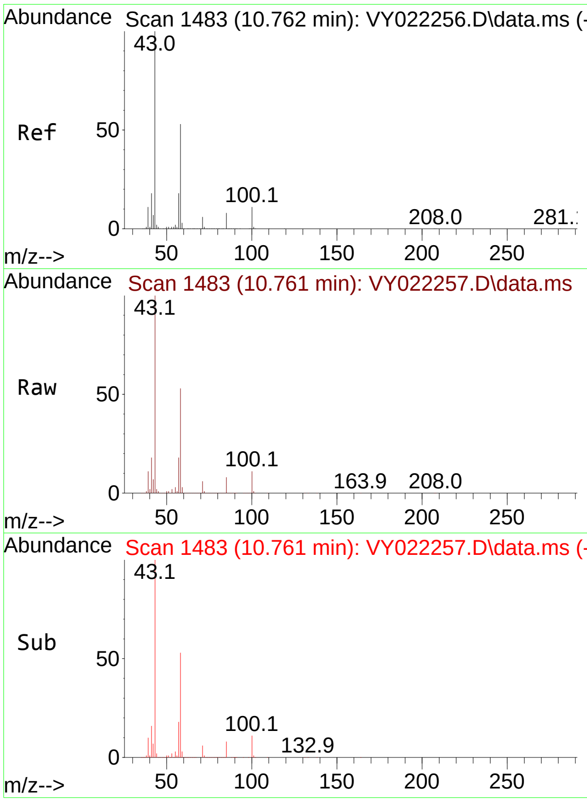
#58
2-Chloroethyl Vinyl ether
Concen: 580.295 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 872907

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4



ICAL Form



#59
2-Hexanone
Concen: 537.872 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 80928

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

Instrument : MSVOA_Y
ClientSampleId : VSTDICC100

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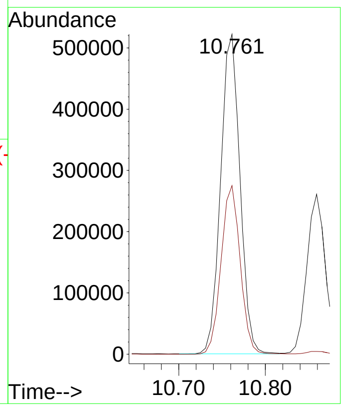
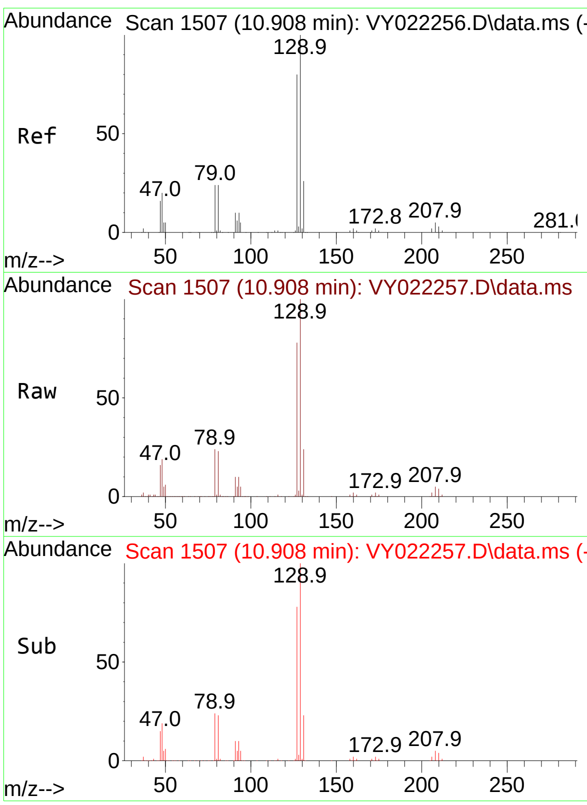
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

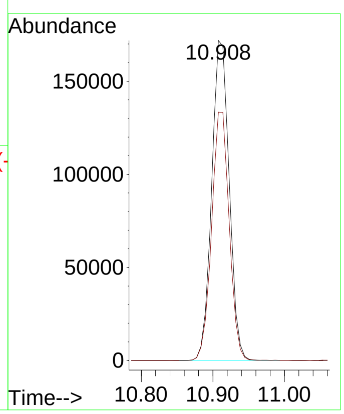




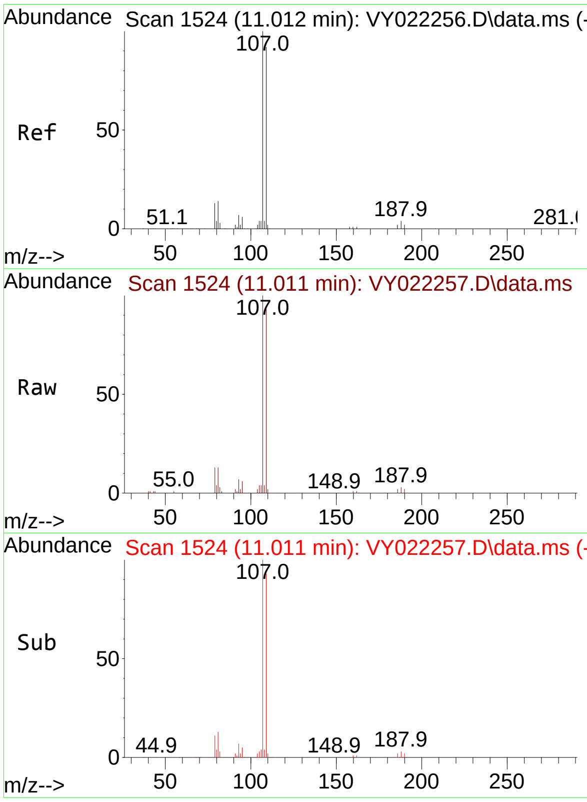
#60
Dibromochloromethane
Concen: 104.616 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:129 Resp: 292143

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7



ICAL Form



#61
1,2-Dibromoethane
Concen: 103.362 ug/l
RT: 11.011 min Scan# 1!
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:107 Resp: 20726(

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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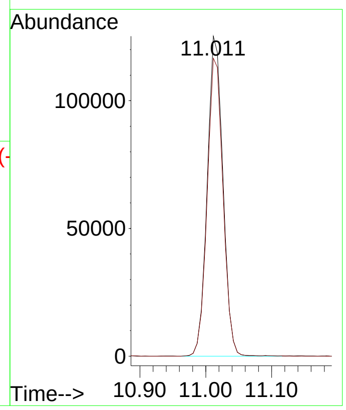
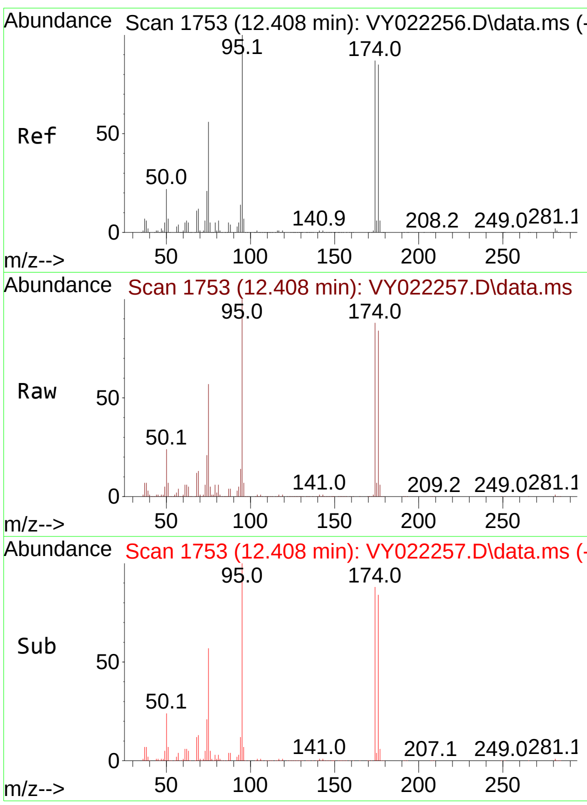
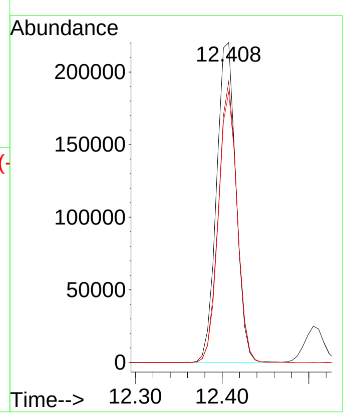




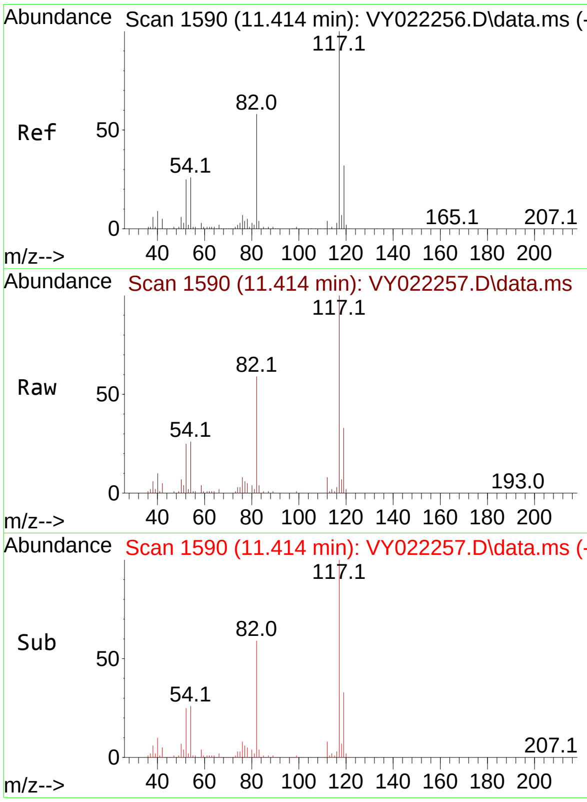
#62
4-Bromofluorobenzene
Concen: 99.968 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 95 Resp: 343397

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	81.7	0.0	160.8



ICAL Form



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 385348

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.6	70.0
119	33.0	25.8	38.6

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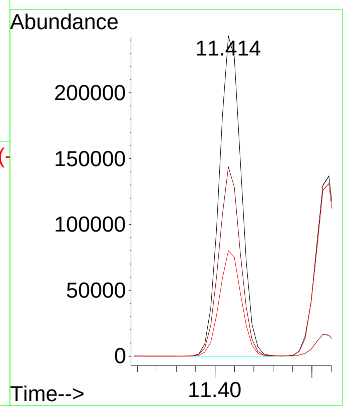
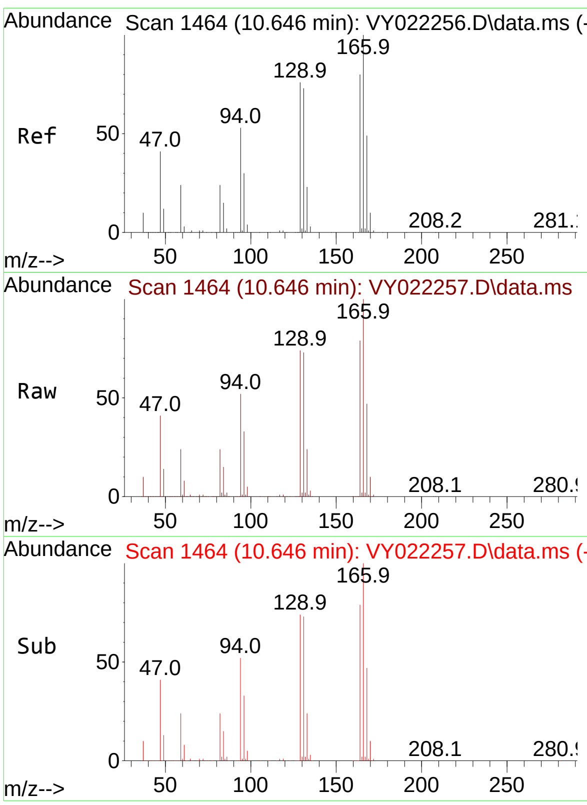
Supervised By :Semsettin Yesilyurt 05/16/2025

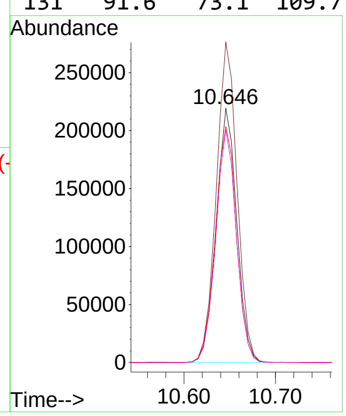




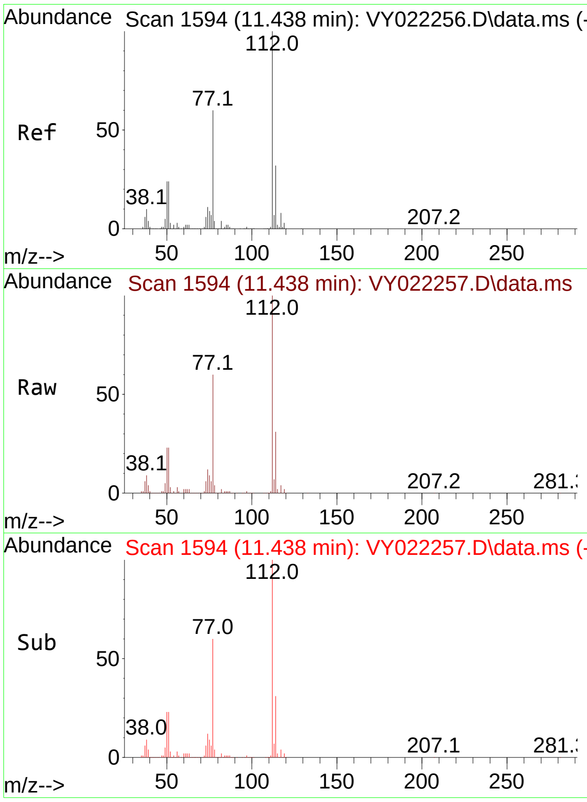
#64
Tetrachloroethene
Concen: 96.489 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:164 Resp: 343677

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	92.9	76.4	114.6
131	91.6	73.1	109.7



ICAL Form



#65
Chlorobenzene
Concen: 101.346 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 88108

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6

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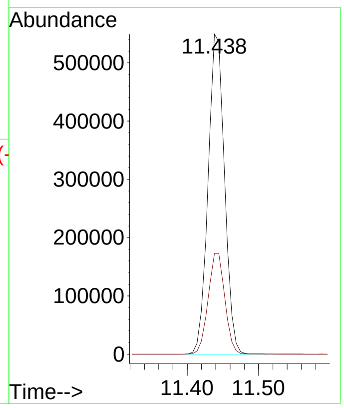
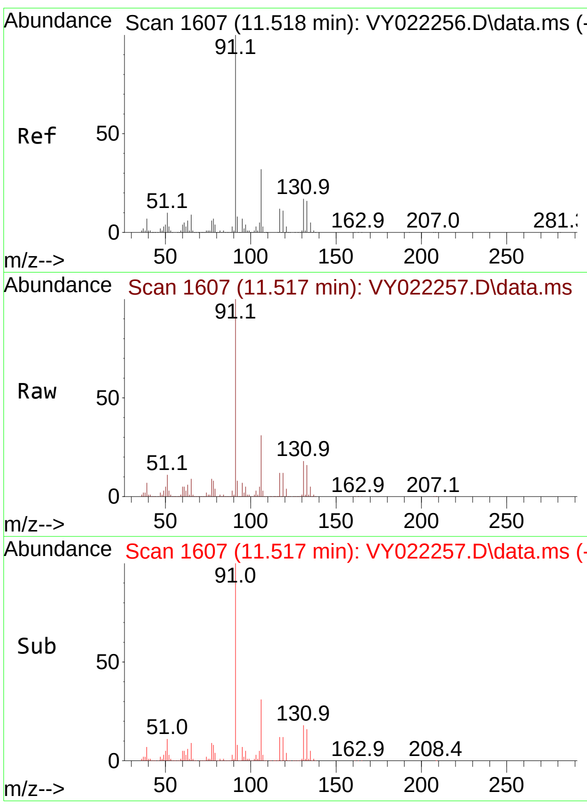
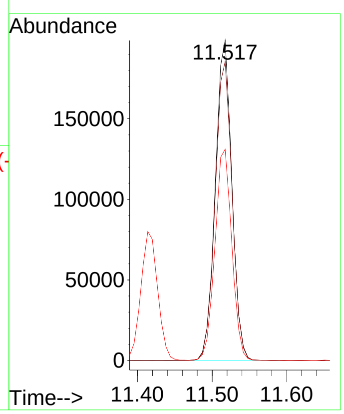


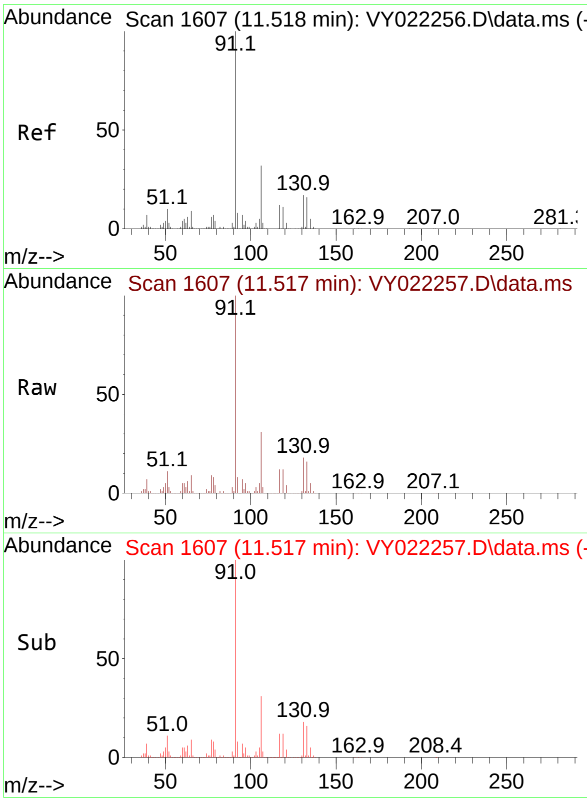


#66
1,1,1,2-Tetrachloroethane
Concen: 103.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:131 Resp: 307866

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	67.2	33.1	99.2





#67
Ethyl Benzene
Concen: 102.836 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1674355

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0

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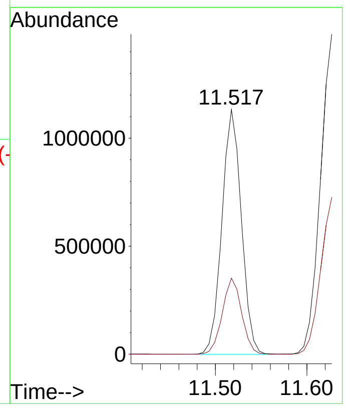
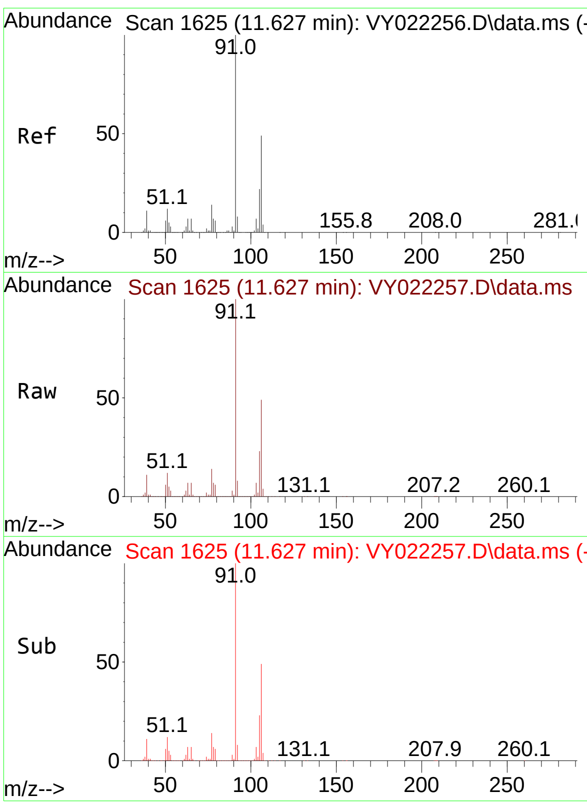
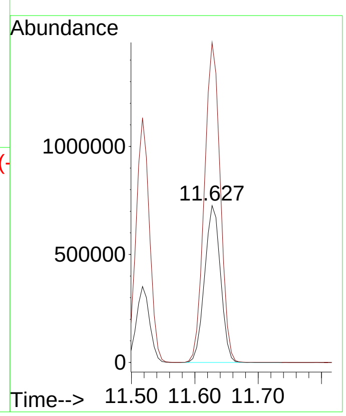


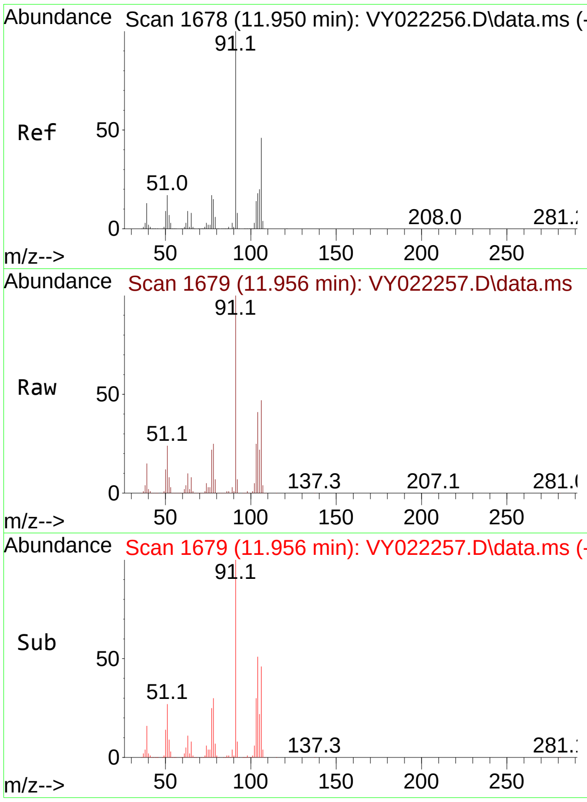


#68
m/p-Xylenes
Concen: 207.213 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 1271299

Ion	Ratio	Lower	Upper
106	100		
91	203.2	163.0	244.4





#69
o-Xylene
Concen: 103.777 ug/l
RT: 11.956 min Scan# 1(

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 60239(

Ion	Ratio	Lower	Upper
106	100		
91	214.7	108.3	324.8

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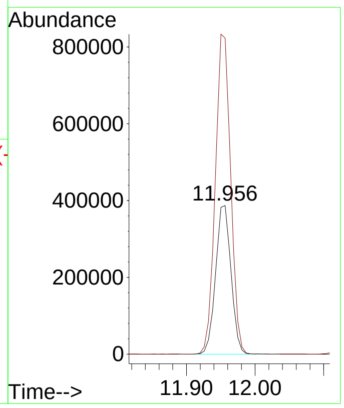
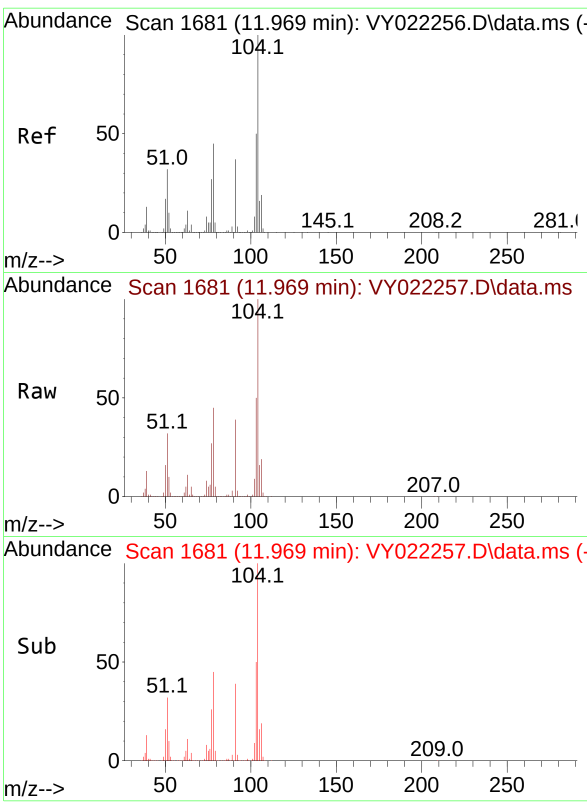
Supervised By :Semsettin Yesilyurt 05/16/2025

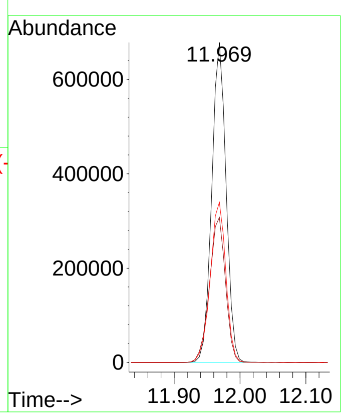




#70
Styrene
Concen: 105.038 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:104 Resp: 1028498

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.7	43.7	65.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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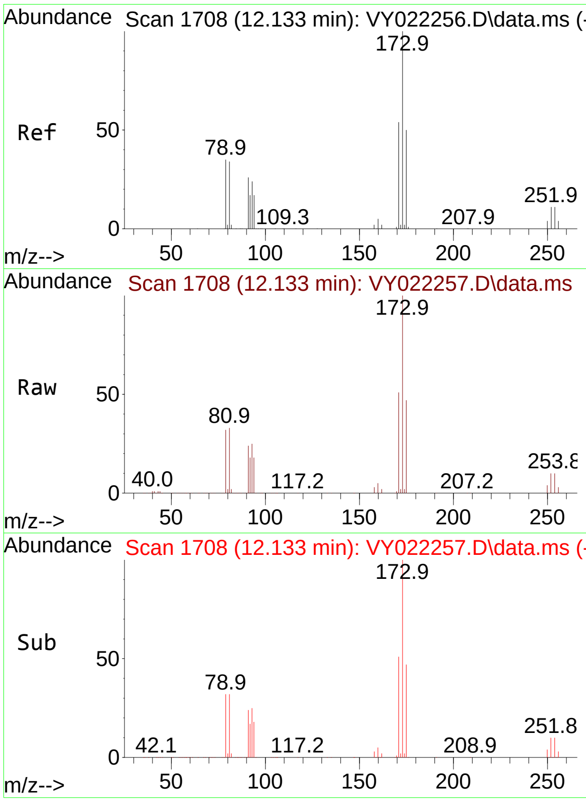
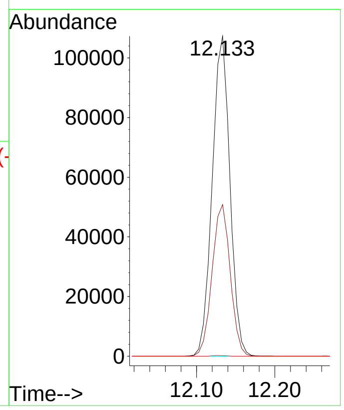
Supervised By :Semsettin Yesilyurt 05/16/2025

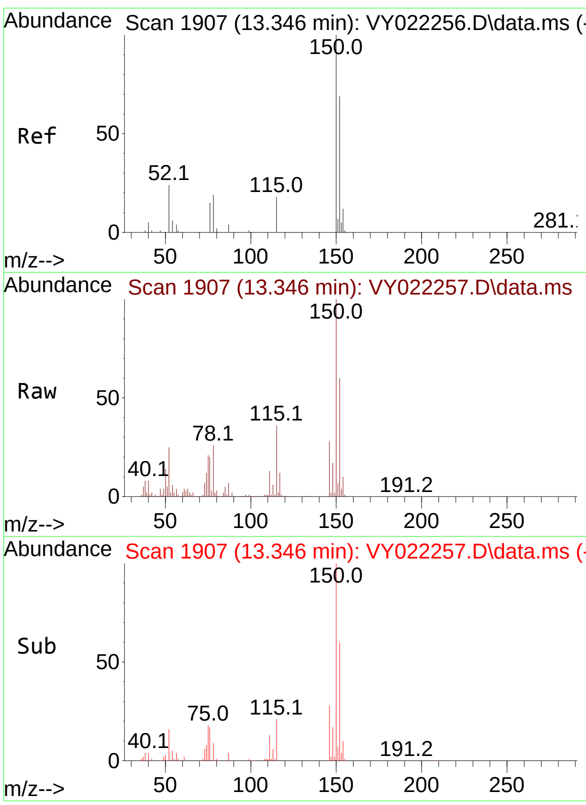


#71
Bromoform
Concen: 104.561 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:173 Resp: 16867

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.0	0.0

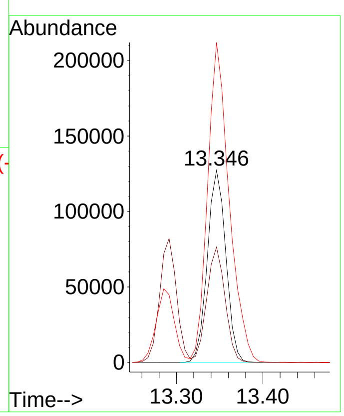


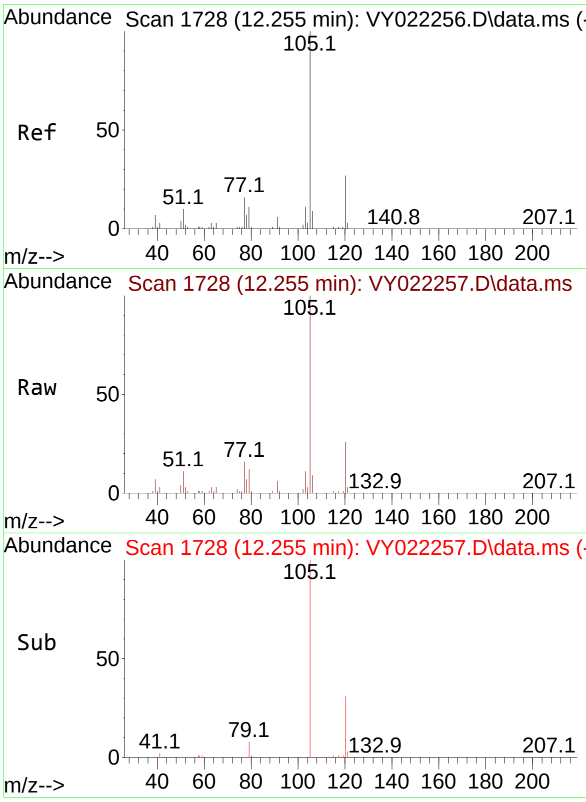


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:152 Resp: 189780

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	193.1	0.0	353.8





#73
Isopropylbenzene
Concen: 97.241 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 152885

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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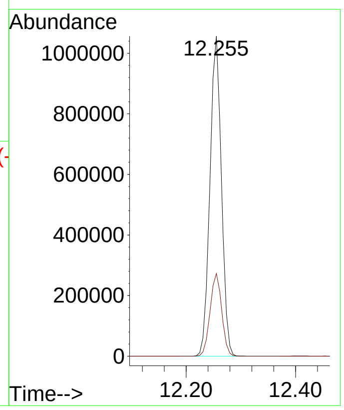
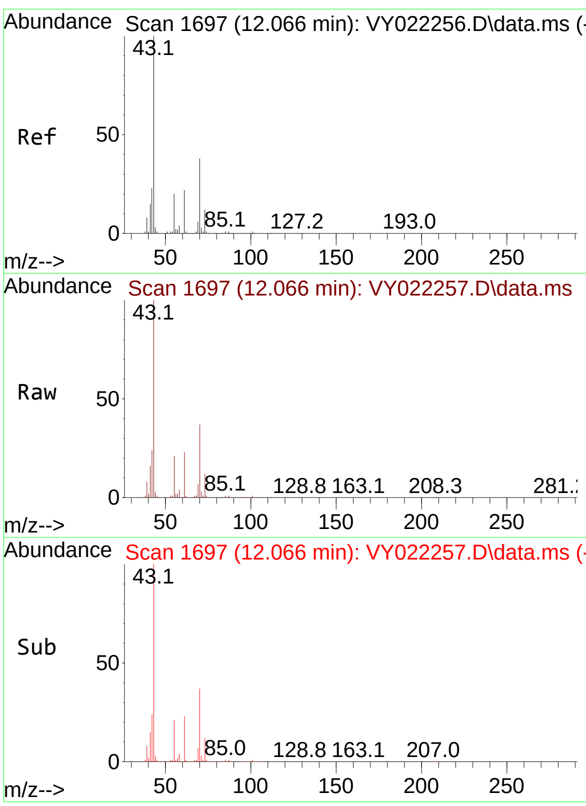
Supervised By :Semsettin Yesilyurt 05/16/2025

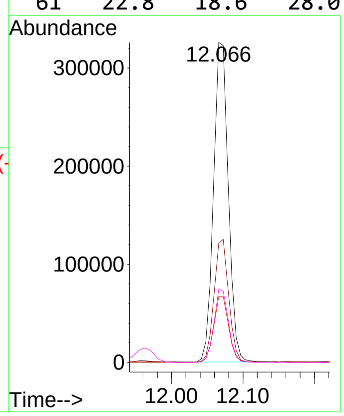


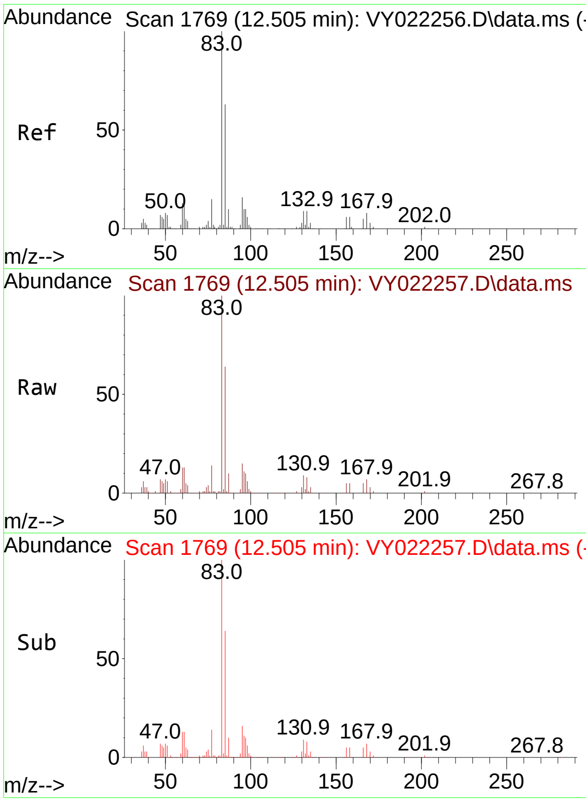


#74
N-amyl acetate
Concen: 104.235 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 468707

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.8	17.0	25.6
61	22.8	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 101.255 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 24483

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.4	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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Reviewed By :Mahesh Dadoda 05/16/2025
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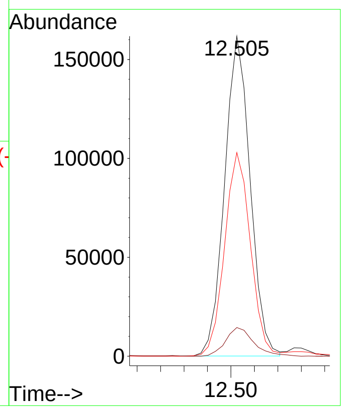
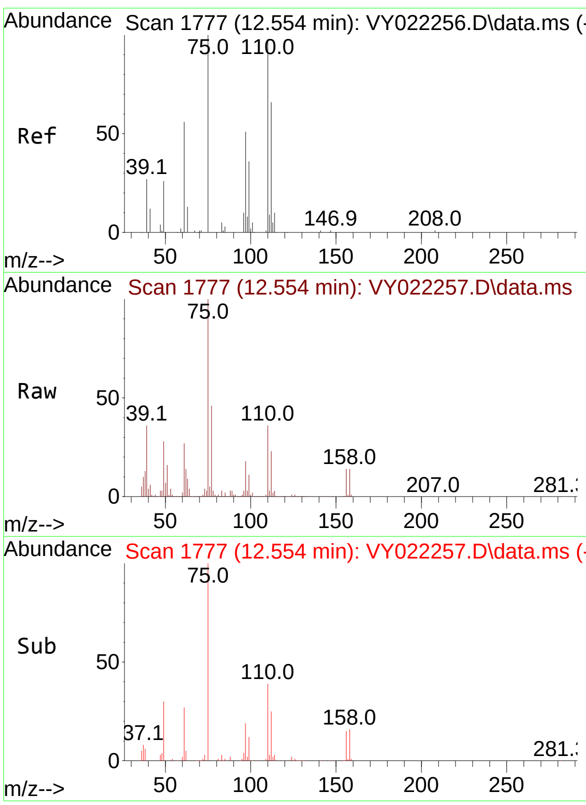
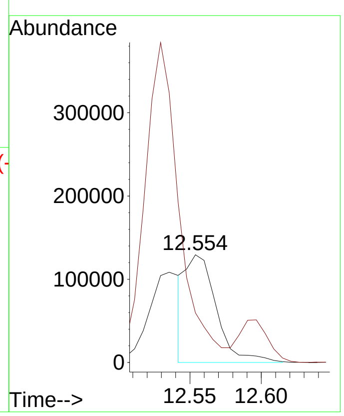




#76
1,2,3-Trichloropropane
Concen: 59.078 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 197600

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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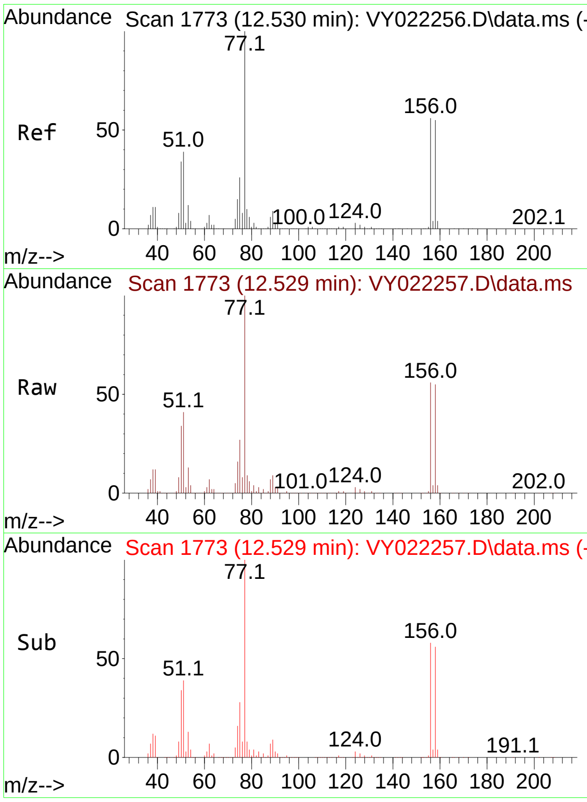

#77
Bromobenzene
Concen: 100.456 ug/l
RT: 12.529 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 337329

Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.5	283.6
158	96.8	48.4	145.3

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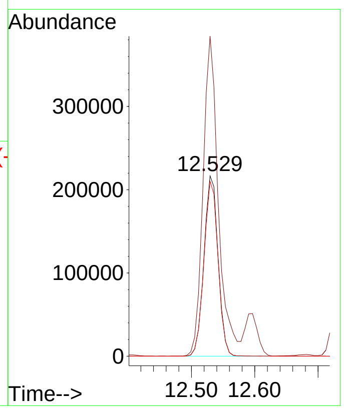
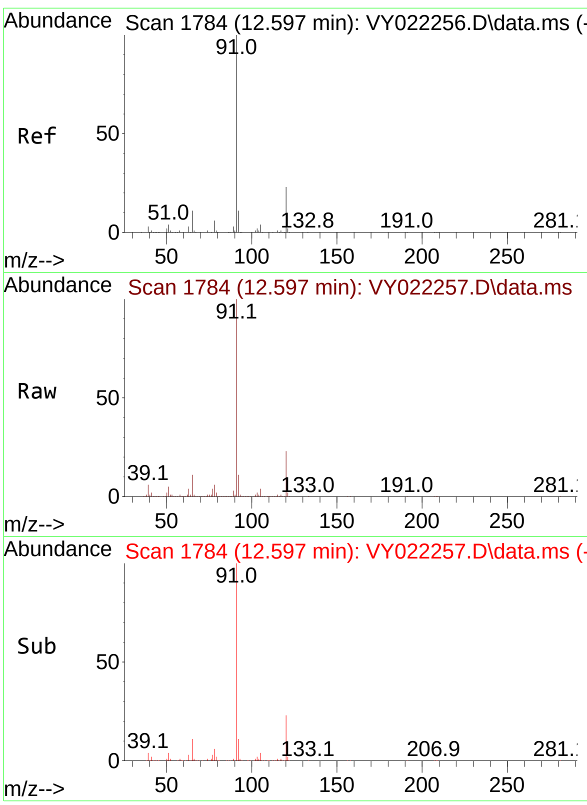
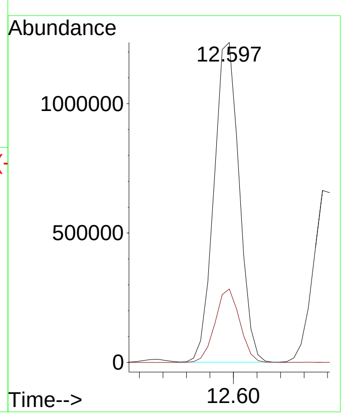




#78
n-propylbenzene
Concen: 97.365 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1846449

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3



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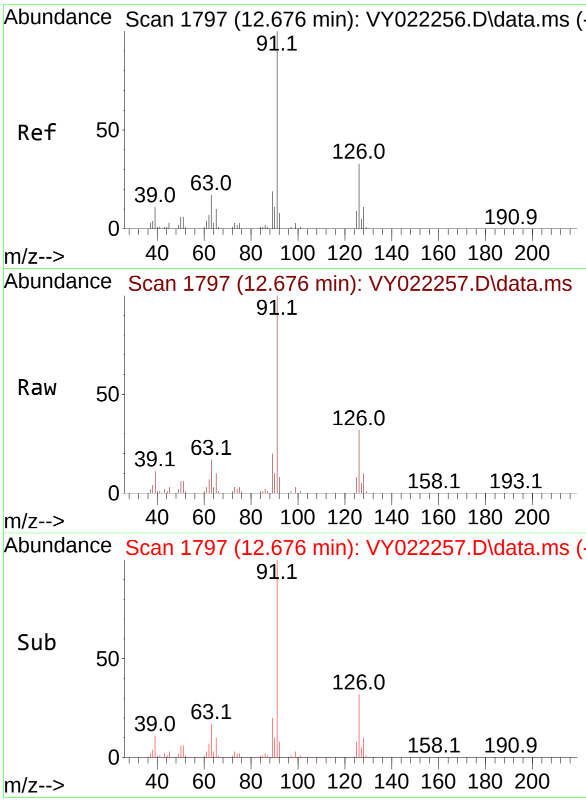

#79
2-Chlorotoluene
Concen: 98.488 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 102640

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

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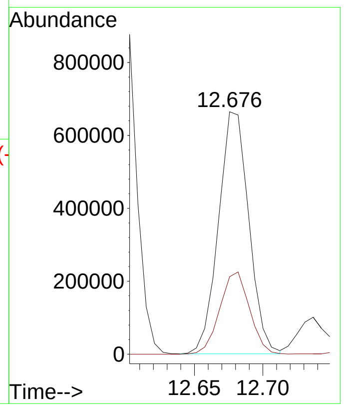
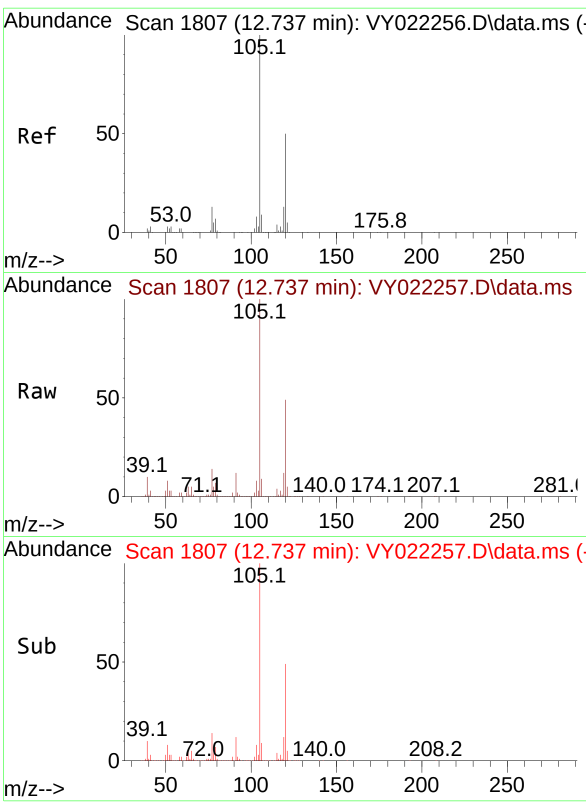
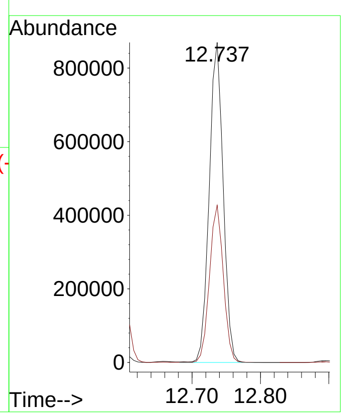




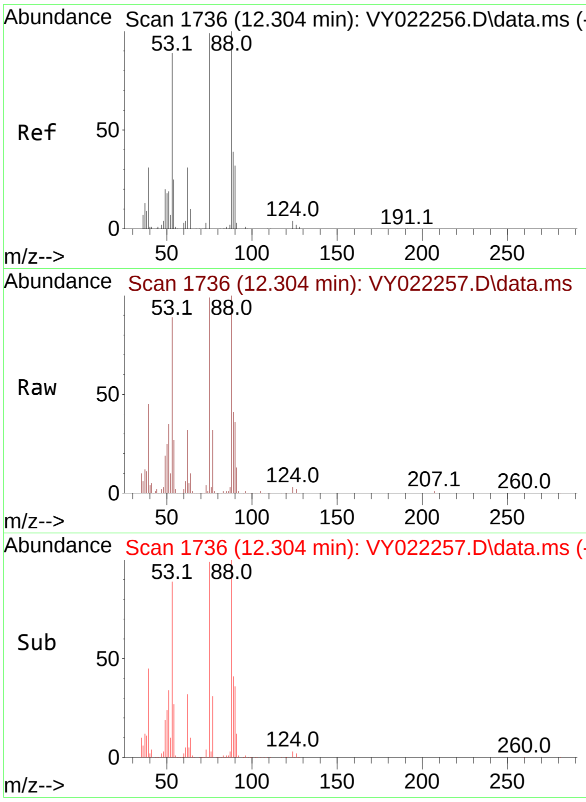
#80
1,3,5-Trimethylbenzene
Concen: 97.216 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1233838

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6



ICAL Form



#81
trans-1,4-Dichloro-2-butene
Concen: 98.251 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 9325

Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.8	113.8
89	43.5	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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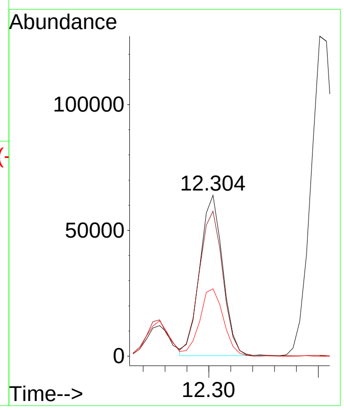
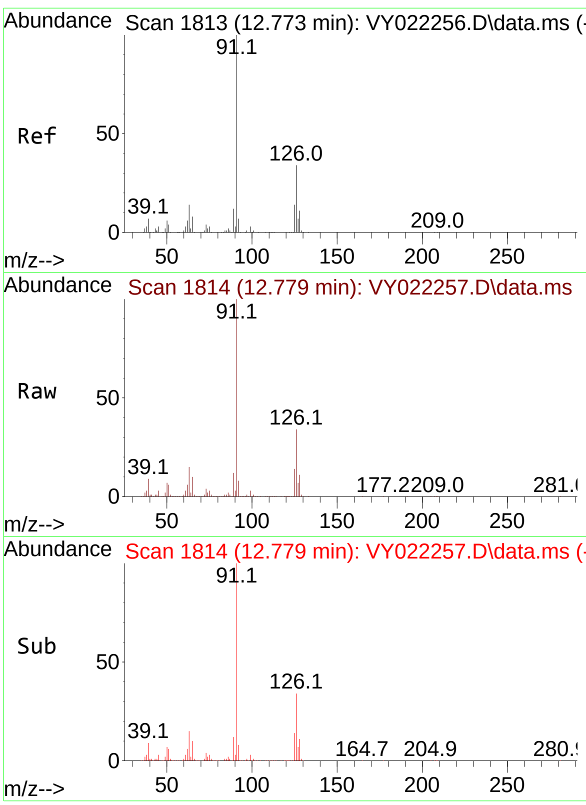
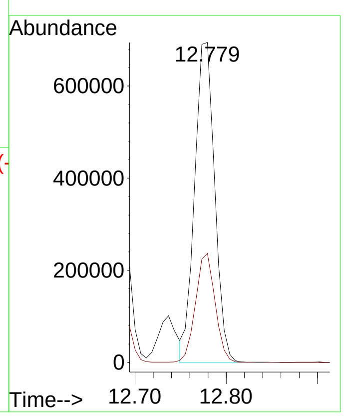




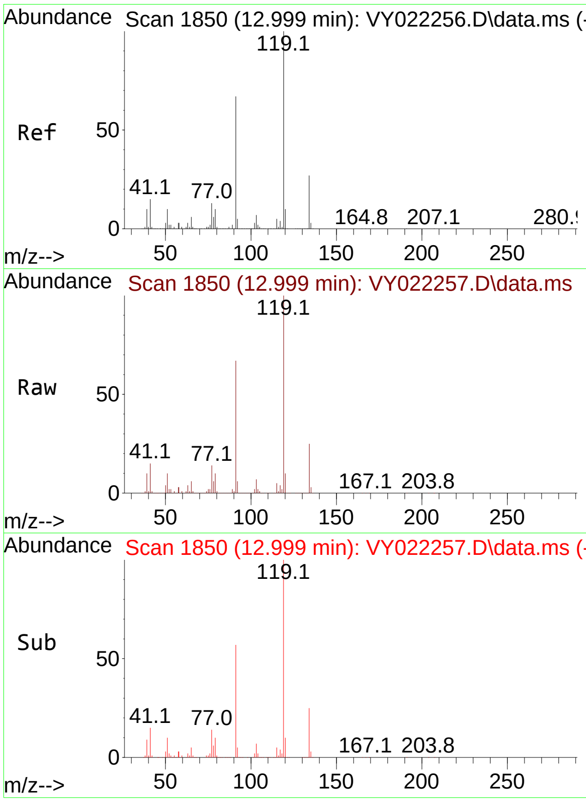
#82
4-Chlorotoluene
Concen: 99.052 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1061772

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



ICAL Form



#83
tert-Butylbenzene
Concen: 96.859 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 109261

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.8	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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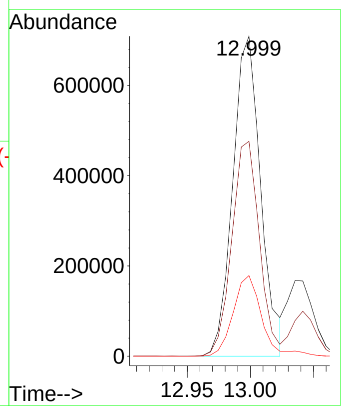
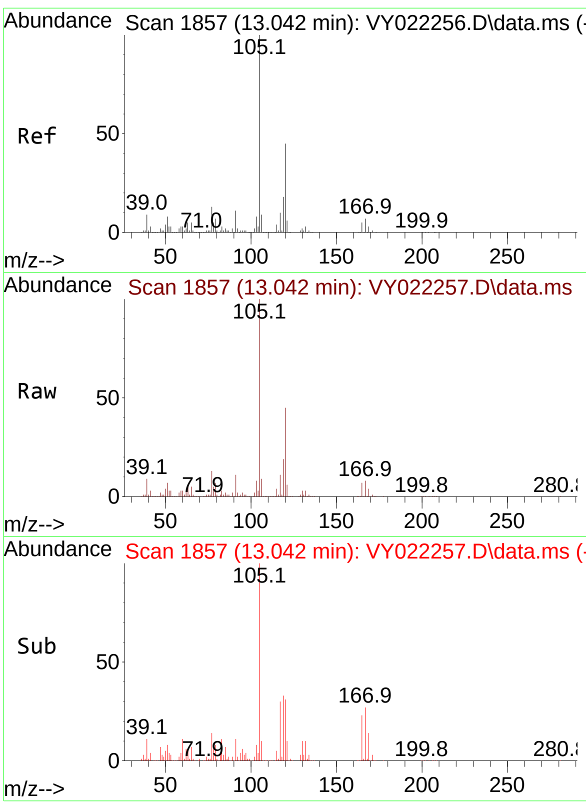
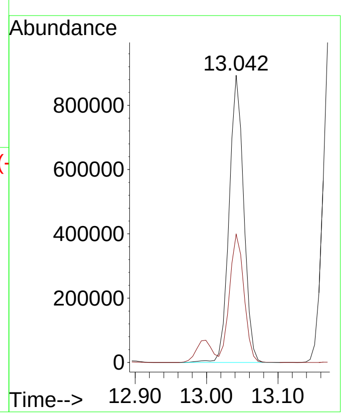




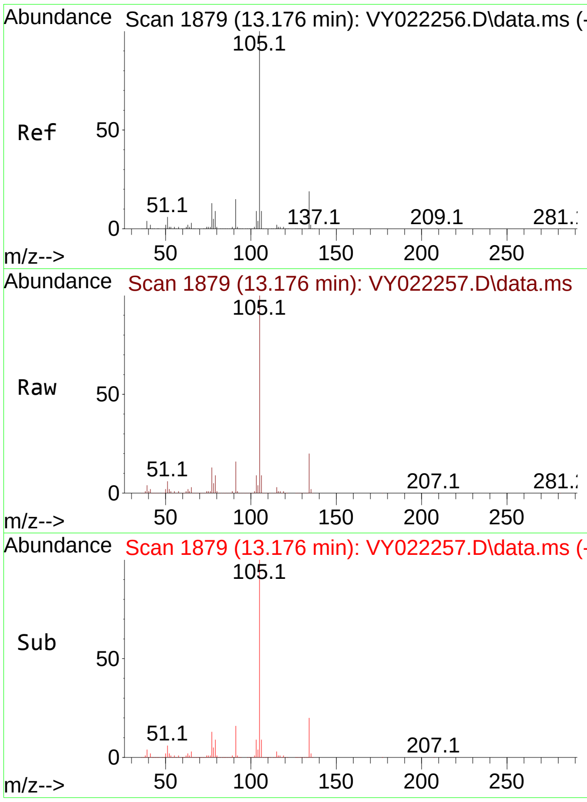
#84
1,2,4-Trimethylbenzene
Concen: 100.297 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1263612

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9



ICAL Form



#85
sec-Butylbenzene
Concen: 97.623 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 163472

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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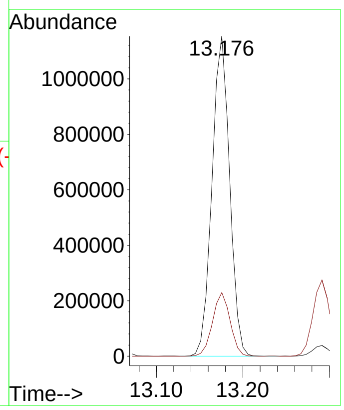
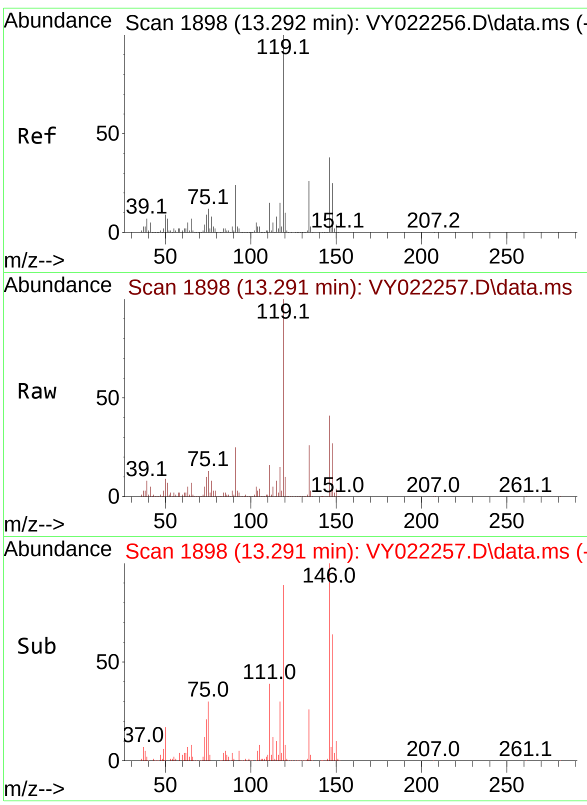
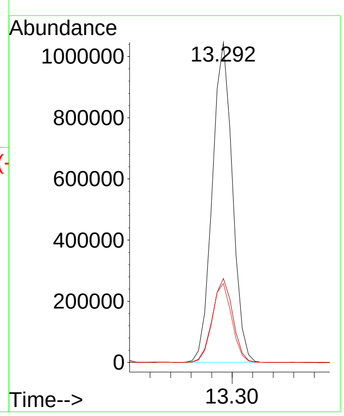




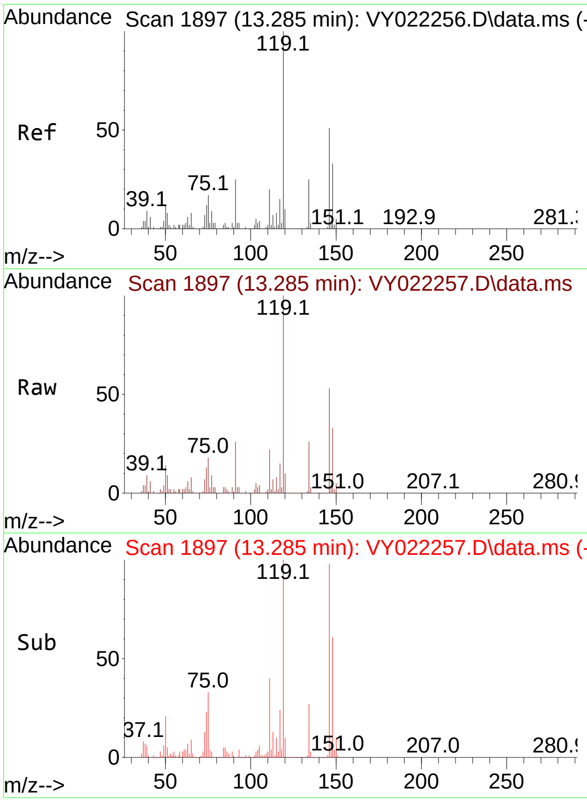
#86
p-Isopropyltoluene
Concen: 101.161 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 1424684

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.4	12.1	36.3



ICAL Form



#87
1,3-Dichlorobenzene
Concen: 101.803 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 69786

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.6	31.9	95.7

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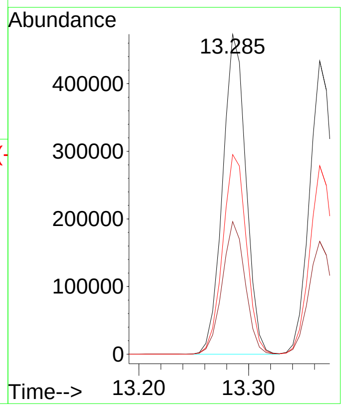
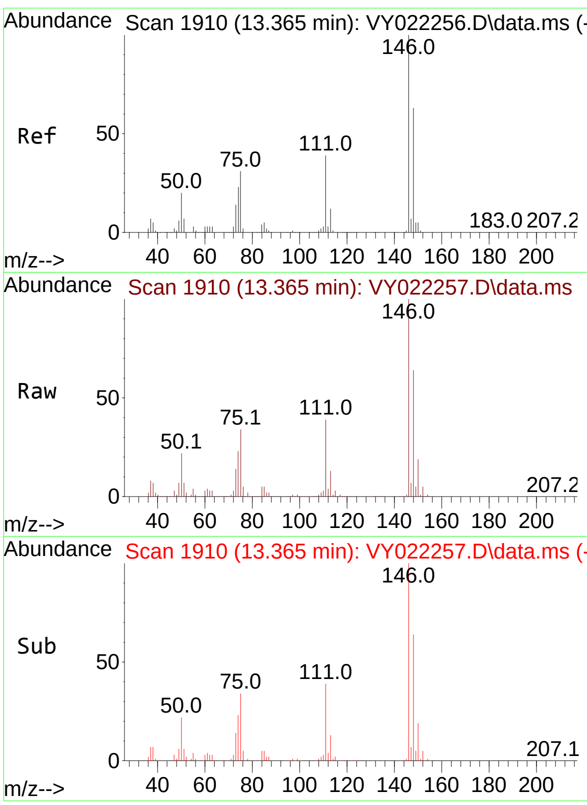
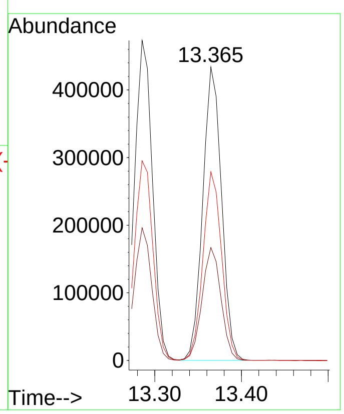




#88
1,4-Dichlorobenzene
Concen: 99.199 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 654104

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.7	32.1	96.5



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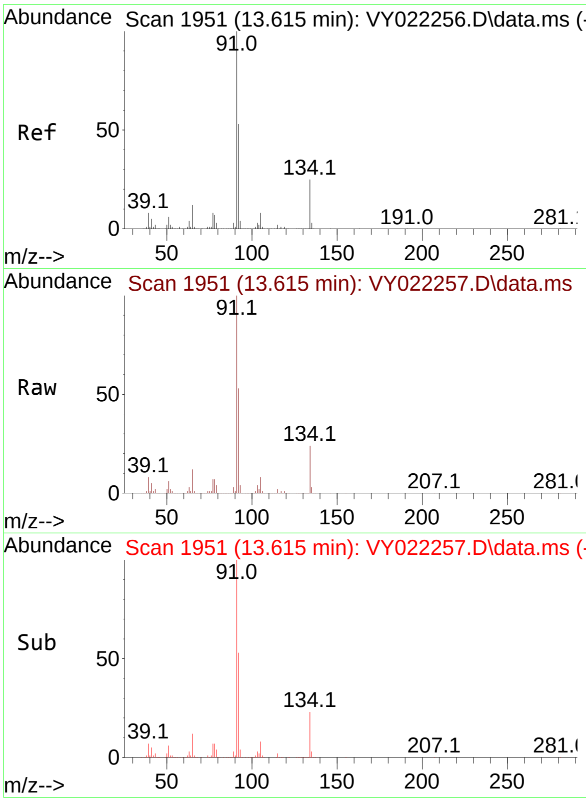

#89
n-Butylbenzene
Concen: 98.327 ug/l
RT: 13.615 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 131006

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.6	12.4	37.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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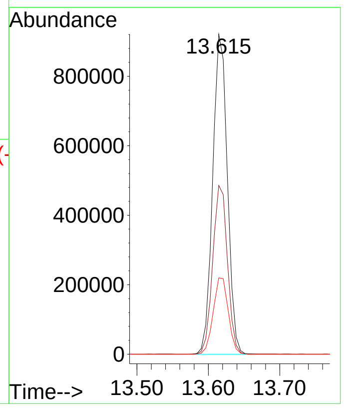
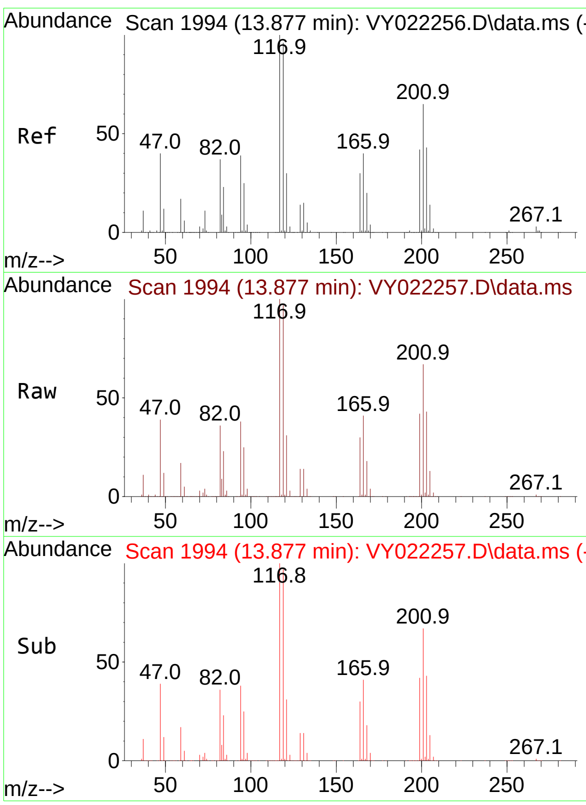
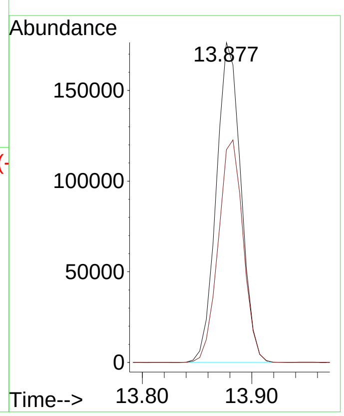


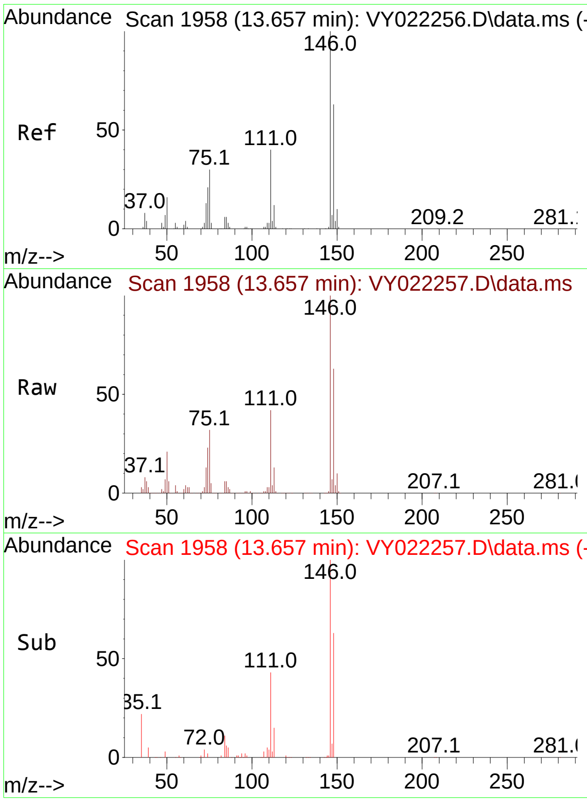


#90
Hexachloroethane
Concen: 96.961 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 275652

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 100.192 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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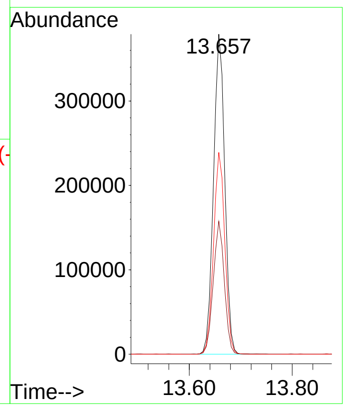
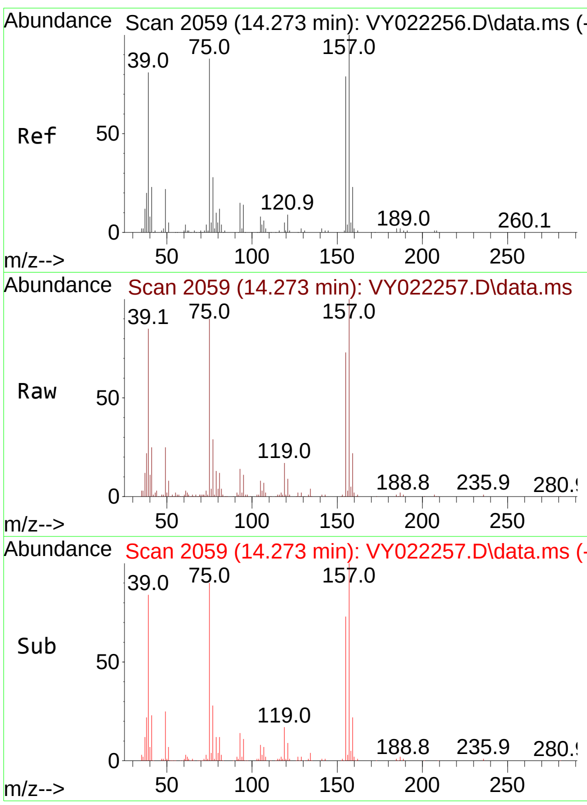
Supervised By :Semsettin Yesilyurt 05/16/2025

Tgt Ion:146 Resp: 57691

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.2	32.0	96.0

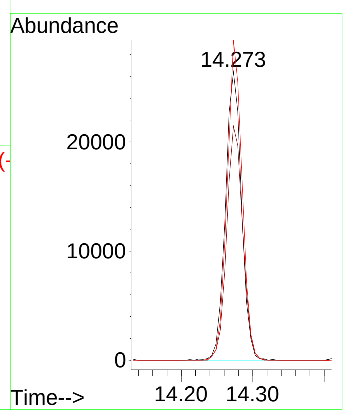




#92
1,2-Dibromo-3-Chloropropane
Concen: 105.859 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 41275

Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.4	130.1
157	104.0	54.6	163.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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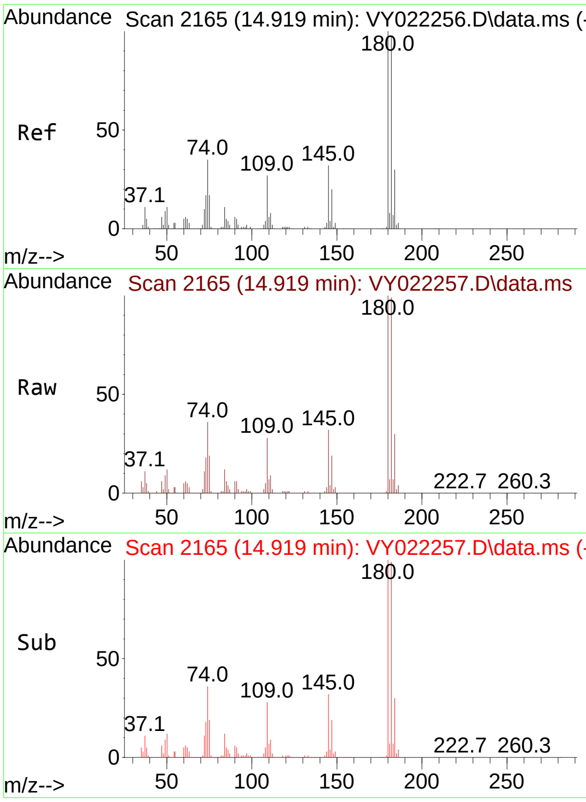
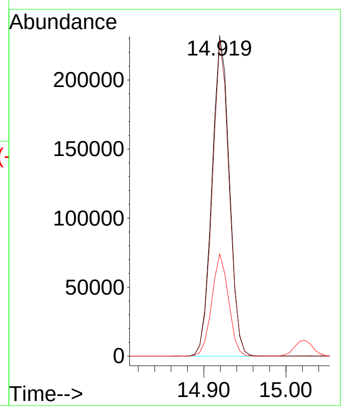
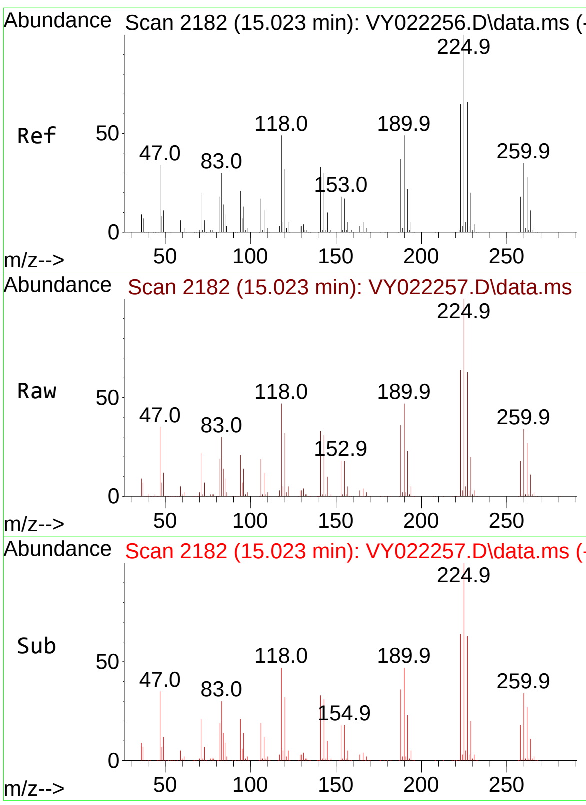



```
#93
1,2,4-Trichlorobenzene
Concen:  103.107 ug/l
RT:  14.919 min  Scan# 2
Delta R.T.  -0.000 min
Lab File:   VY022257.D
Acq: 15 May 2025  11:24

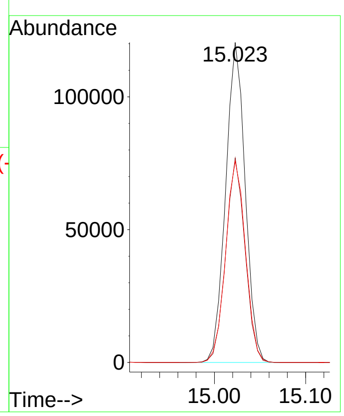
Tgt Ion:180 Resp:  34293
Ion  Ratio  Lower  Upper
180  100
182   95.8   48.0  144.0
145   30.7   15.0   45.1
```






```
#94
Hexachlorobutadiene
Concen:   97.075 ug/l
RT:  15.023 min  Scan# 2182
Delta R.T.  -0.000 min
Lab File:   VY022257.D
Acq: 15 May 2025  11:24

Tgt Ion:225 Resp:  180060
Ion  Ratio  Lower  Upper
225  100
223   62.8   31.5   94.5
227   64.1   32.1   96.3
```



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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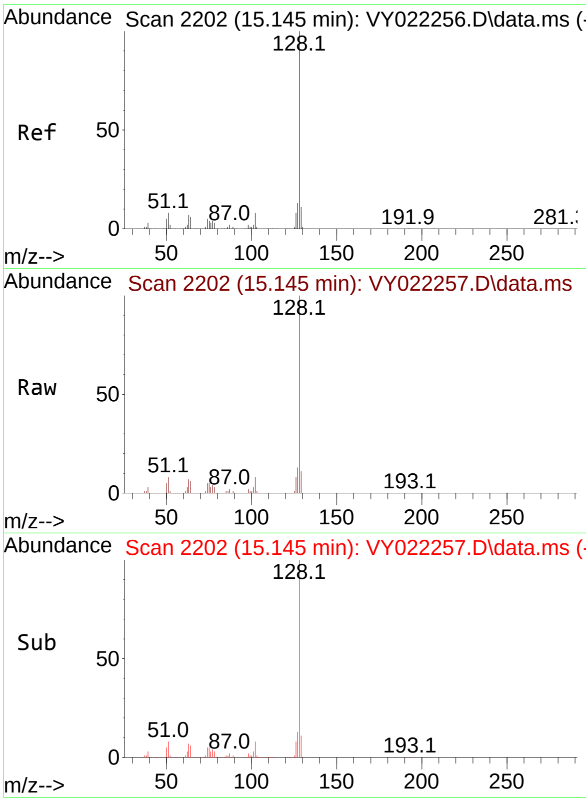
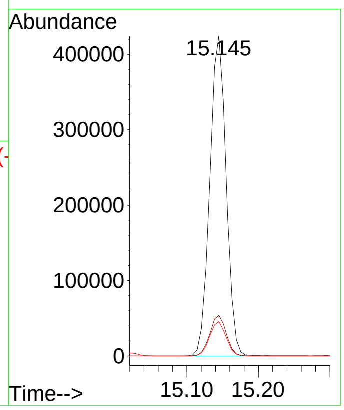
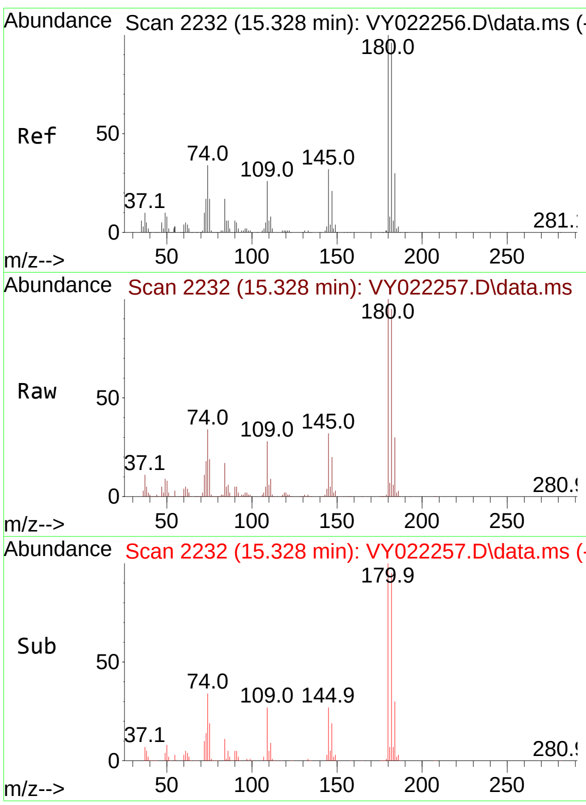


#95
Naphthalene
Concen: 106.935 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:128 Resp: 67495

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

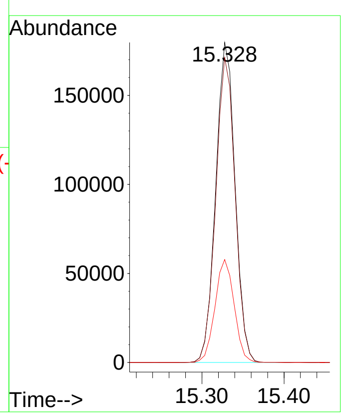




#96
1,2,3-Trichlorobenzene
Concen: 104.488 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:180 Resp: 294823

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.8	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	271027	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442917	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389769	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187978	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	455385	153.739 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.480%#		
35) Dibromofluoromethane	7.634	113	412318	155.969 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.940%#		
50) Toluene-d8	10.103	98	1689714	156.065 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.120%#		
62) 4-Bromofluorobenzene	12.402	95	541367	157.751 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 315.500%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.861	85	389593	137.760 ug/l	100
3) Chloromethane	2.068	50	727243	122.246 ug/l	99
4) Vinyl Chloride	2.202	62	902596	135.801 ug/l	97
5) Bromomethane	2.586	94	780107	144.182 ug/l	99
6) Chloroethane	2.727	64	590870	142.898 ug/l	98
7) Trichlorofluoromethane	3.050	101	989291	147.013 ug/l	99
8) Diethyl Ether	3.452	74	236216	146.270 ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	422397	144.588 ug/l	100
10) Methyl Iodide	4.001	142	518980	153.489 ug/l	98
11) Tert butyl alcohol	4.866	59	172549	762.834 ug/l #	100
12) 1,1-Dichloroethene	3.787	96	425285	146.697 ug/l	97
13) Acrolein	3.653	56	237291	717.595 ug/l	98
14) Allyl chloride	4.379	41	756728	148.866 ug/l	100
15) Acrylonitrile	5.055	53	512850	770.708 ug/l	100
16) Acetone	3.873	43	375443	675.976 ug/l	99
17) Carbon Disulfide	4.104	76	1365378	144.429 ug/l	100
18) Methyl Acetate	4.385	43	282084	166.915 ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1225258	153.279 ug/l	98
20) Methylene Chloride	4.616	84	448817	125.059 ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	472143	147.547 ug/l	99
22) Diisopropyl ether	6.019	45	1626927	151.557 ug/l	99
23) Vinyl Acetate	5.958	43	4953644	763.831 ug/l	100
24) 1,1-Dichloroethane	5.915	63	879785	146.697 ug/l	99
25) 2-Butanone	6.890	43	708010	762.091 ug/l	98
26) 2,2-Dichloropropane	6.884	77	787195	147.575 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	563503	152.601 ug/l	100
28) Bromochloromethane	7.244	49	387221	151.369 ug/l	100
29) Tetrahydrofuran	7.262	42	472224	790.072 ug/l	100
30) Chloroform	7.421	83	859317	149.381 ug/l	98
31) Cyclohexane	7.701	56	821784	137.144 ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	784014	148.554 ug/l	99
36) 1,1-Dichloropropene	7.835	75	658871	151.316 ug/l	99
37) Ethyl Acetate	6.982	43	320686	153.067 ug/l	99
38) Carbon Tetrachloride	7.817	117	696139	154.450 ug/l	100
39) Methylcyclohexane	9.110	83	886329	151.510 ug/l	98
40) Benzene	8.079	78	1987535	153.973 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	202603m	132.161 ug/l	
42) 1,2-Dichloroethane	8.159	62	534517	153.124 ug/l	99
43) Isopropyl Acetate	8.195	43	704366	154.159 ug/l #	89
44) Trichloroethene	8.866	130	481990	150.171 ug/l	96
45) 1,2-Dichloropropane	9.140	63	472217	151.736 ug/l	97
46) Dibromomethane	9.231	93	258087	153.757 ug/l	99
47) Bromodichloromethane	9.420	83	669834	153.824 ug/l	99
48) Methyl methacrylate	9.219	41	344147	161.060 ug/l	99
49) 1,4-Dioxane	9.231	88	61019	3217.888 ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	1829015	815.822 ug/l	99
52) Toluene	10.170	92	1276917	156.216 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	663513	156.134 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	754493	154.963 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	330716	153.863 ug/l	99
56) Ethyl methacrylate	10.439	69	535897	160.058 ug/l	99
57) 1,3-Dichloropropane	10.719	76	584253	152.987 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1350536	898.675 ug/l	99
59) 2-Hexanone	10.762	43	1227881	816.860 ug/l	99
60) Dibromochloromethane	10.908	129	438666	157.237 ug/l	99
61) 1,2-Dibromoethane	11.012	107	308529	154.008 ug/l	99
64) Tetrachloroethene	10.646	164	501627	139.237 ug/l	100
65) Chlorobenzene	11.438	112	1336594	151.997 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	480525	158.952 ug/l	100
67) Ethyl Benzene	11.518	91	2598027	157.756 ug/l	99
68) m/p-Xylenes	11.627	106	1992413	321.066 ug/l	99
69) o-Xylene	11.957	106	937727	159.714 ug/l	99
70) Styrene	11.969	104	1613798	162.944 ug/l	100
71) Bromoform	12.133	173	254251	155.818 ug/l #	99
73) Isopropylbenzene	12.255	105	2357568	151.387 ug/l	100
74) N-amyl acetate	12.066	43	694999	156.041 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	375378	156.735 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	289968m	87.525 ug/l	
77) Bromobenzene	12.530	156	509579	153.206 ug/l	99
78) n-propylbenzene	12.591	91	2822794	150.276 ug/l	100
79) 2-Chlorotoluene	12.676	91	1563003	151.415 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1888432	150.219 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	139931	148.846 ug/l	99
82) 4-Chlorotoluene	12.774	91	1616520	152.250 ug/l	99
83) tert-Butylbenzene	12.993	119	1699962	152.144 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1934641	155.030 ug/l	100
85) sec-Butylbenzene	13.176	105	2493393	150.330 ug/l	100
86) p-Isopropyltoluene	13.292	119	2205275	158.088 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1079479	158.981 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	969874	148.497 ug/l	99
89) n-Butylbenzene	13.615	91	1992554	150.985 ug/l	99
90) Hexachloroethane	13.877	117	417341	148.208 ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	858733	150.565 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	58383	151.172 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	508537	154.361 ug/l	99
94) Hexachlorobutadiene	15.023	225	261832	142.514 ug/l	100
95) Naphthalene	15.139	128	979369	156.653 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	426231	152.509 ug/l	99

ICAL Form

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On    : 15 May 2025  11:47
Operator  : SY/MD
Sample    : VSTDICC150
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

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

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
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Quantitation Report (QT Reviewed)

ICAL Form

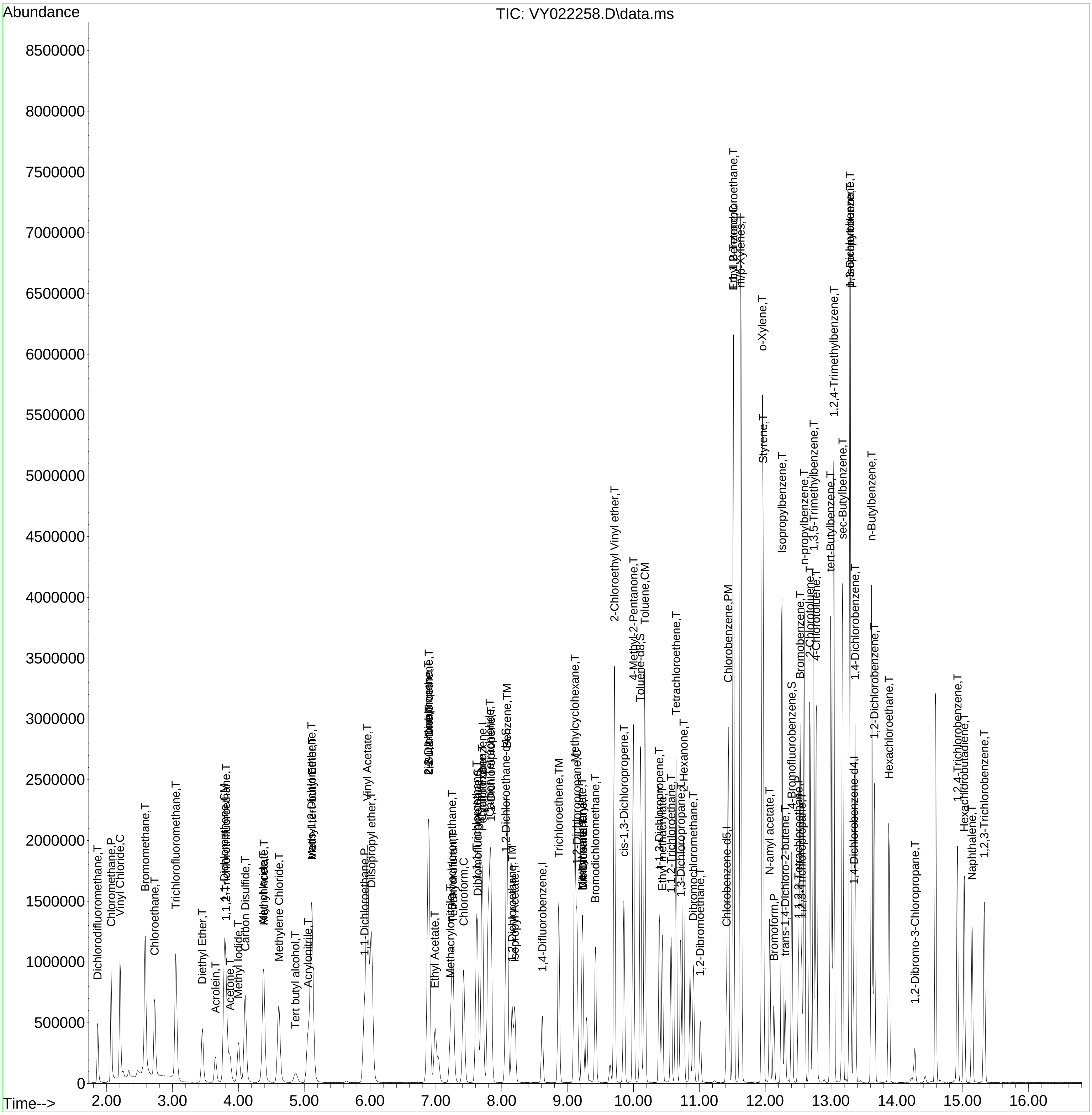
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

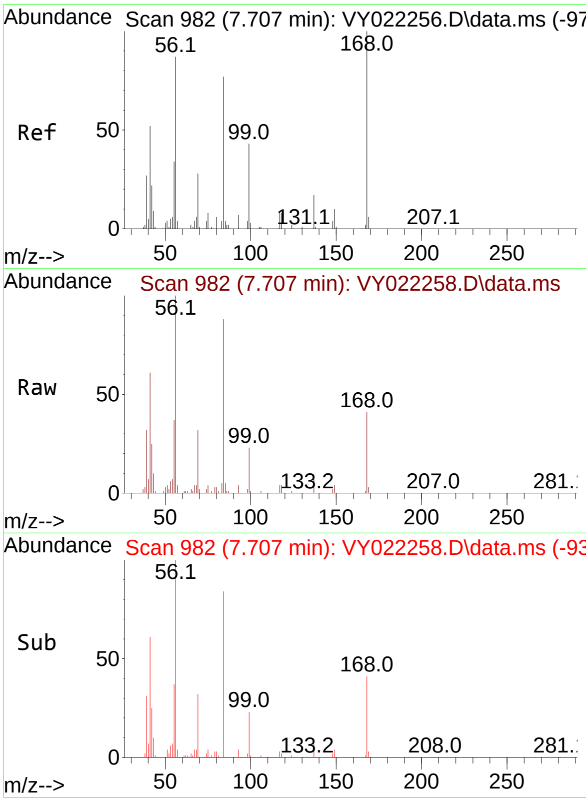
Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min   Scan# 9
Delta R.T.   0.000 min
Lab File: VY022258.D
Acq: 15 May 2025   11:47

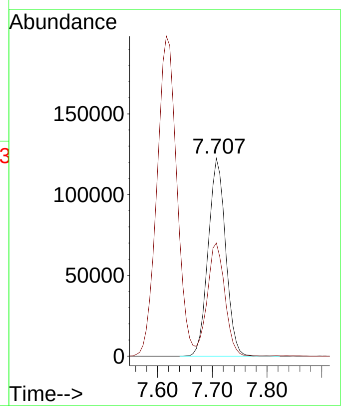
Tgt Ion:168 Resp: 27102

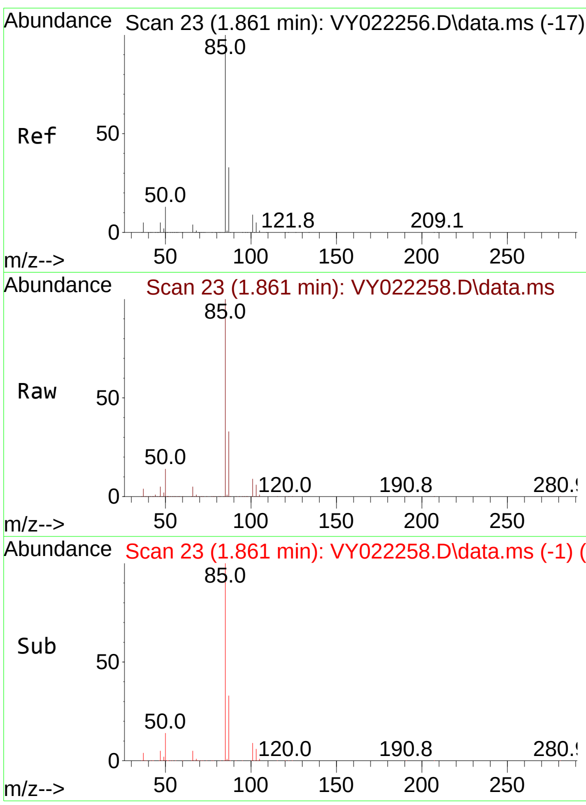
Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

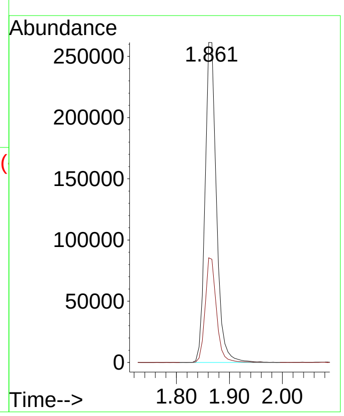




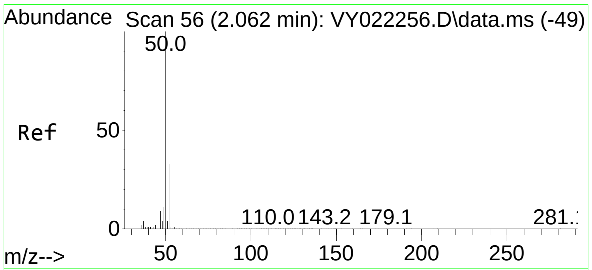
#2
Dichlorodifluoromethane
Concen: 137.760 ug/l
RT: 1.861 min   Scan# 23
Delta R.T.   0.000 min
Lab File: VY022258.D
Acq: 15 May 2025   11:47

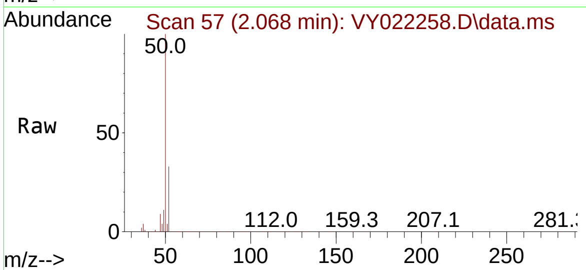
Tgt Ion: 85 Resp: 389593

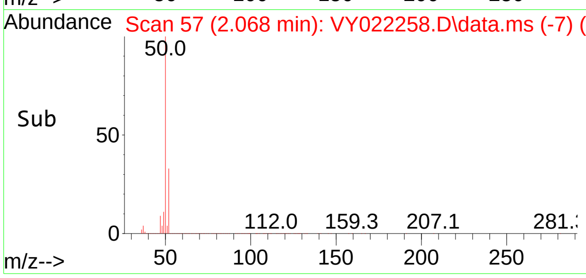
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.5	49.5



ICAL Form







#3
Chloromethane
Concen: 122.246 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

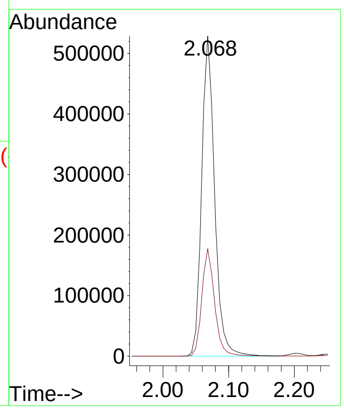
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

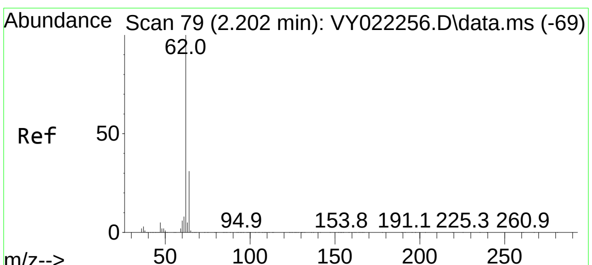
Tgt Ion: 50 Resp: 72724

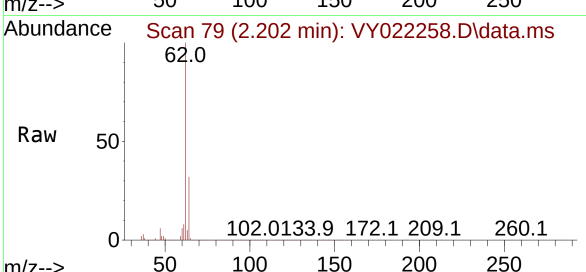
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7

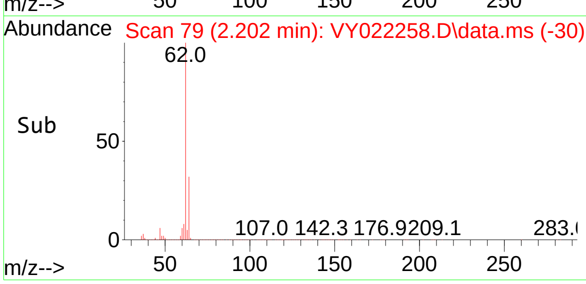
Manual Integrations APPROVED

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





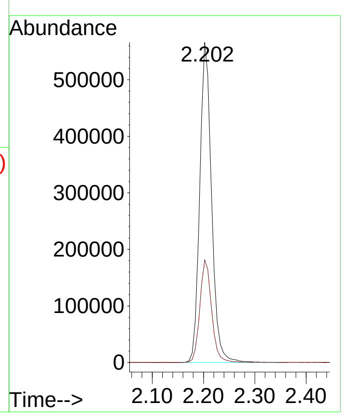


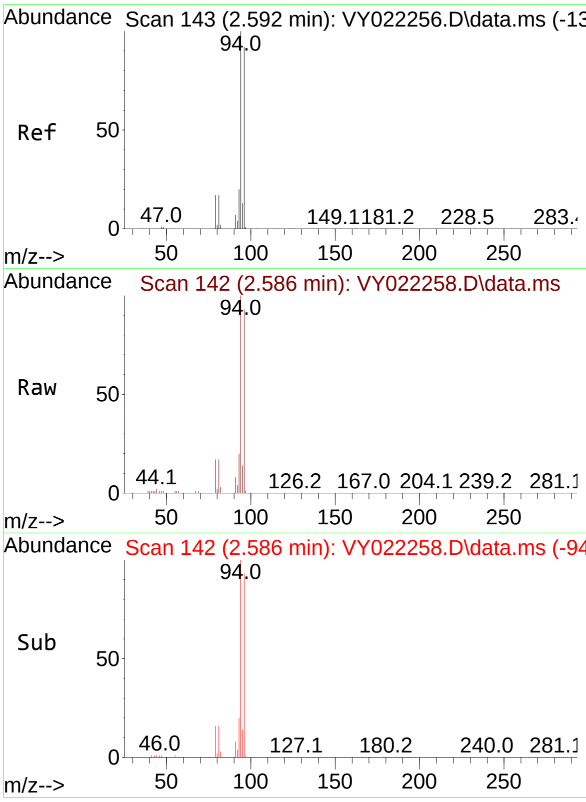


#4
Vinyl Chloride
Concen: 135.801 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 902596

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.5	36.7





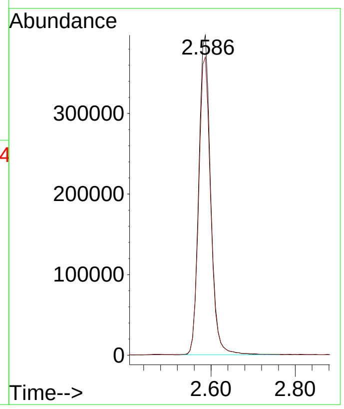
#5
Bromomethane
Concen: 144.182 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

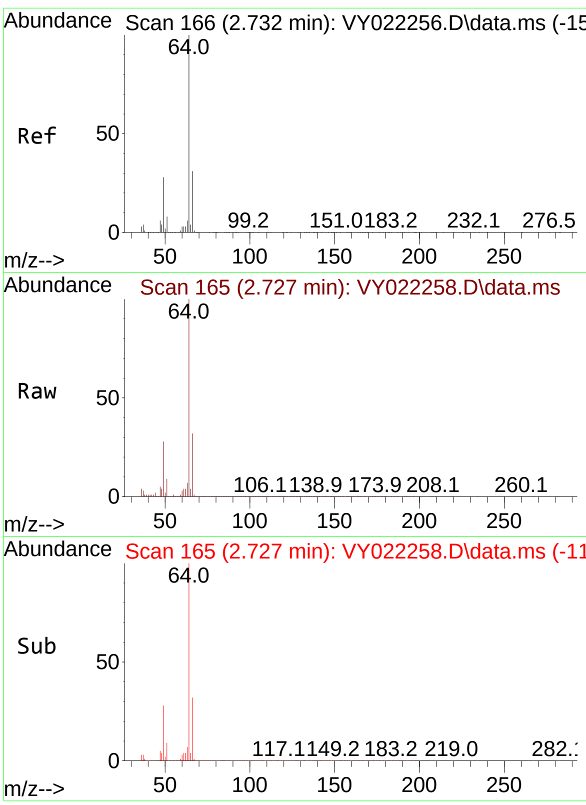
Tgt Ion: 94 Resp: 78010

Ion	Ratio	Lower	Upper
94	100		
96	93.0	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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

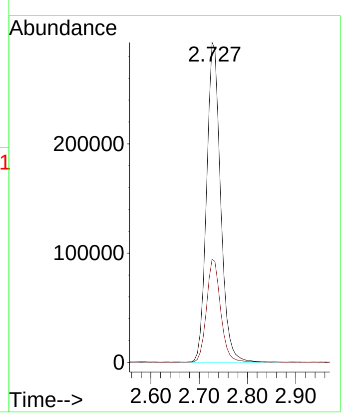




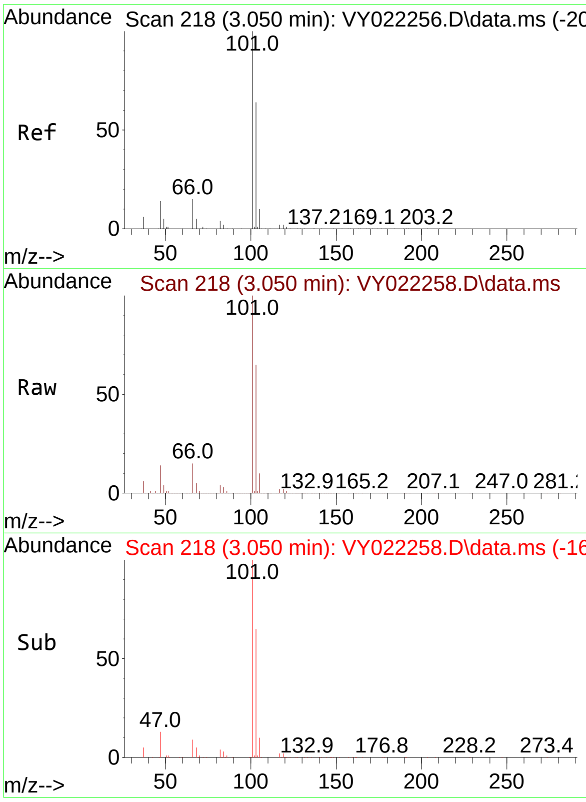
#6
Chloroethane
Concen: 142.898 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 64 Resp: 590870

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.8	37.2



ICAL Form



#7
Trichlorofluoromethane
Concen: 147.013 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

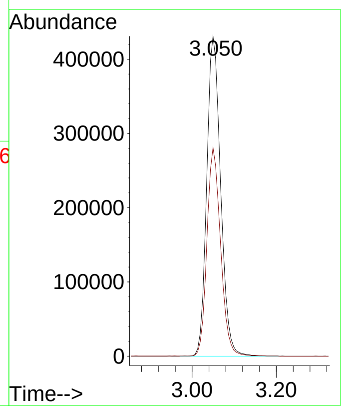
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

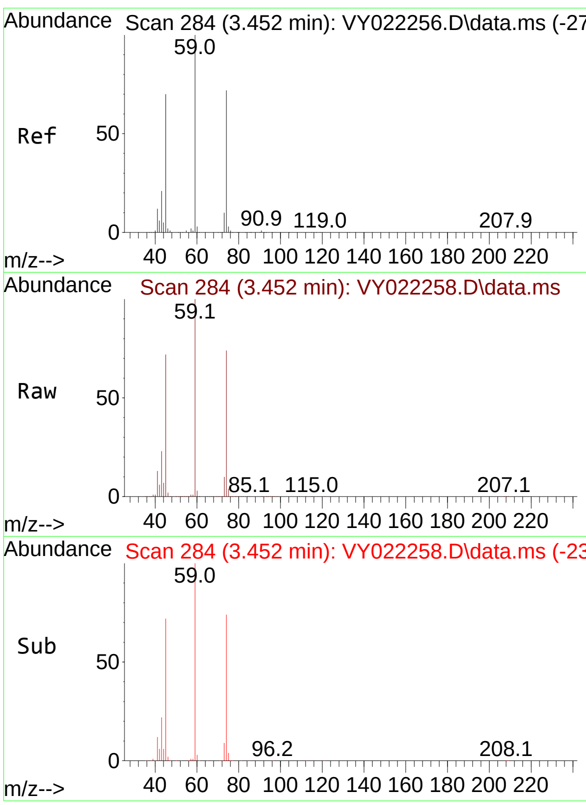
Tgt Ion:101 Resp: 98929

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.7	77.5

Manual Integrations
APPROVED

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

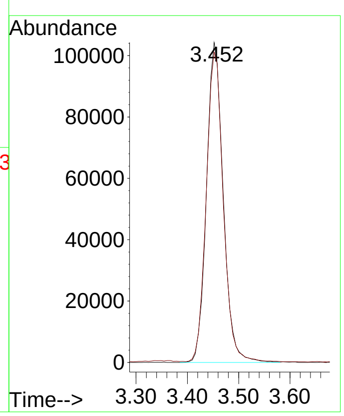




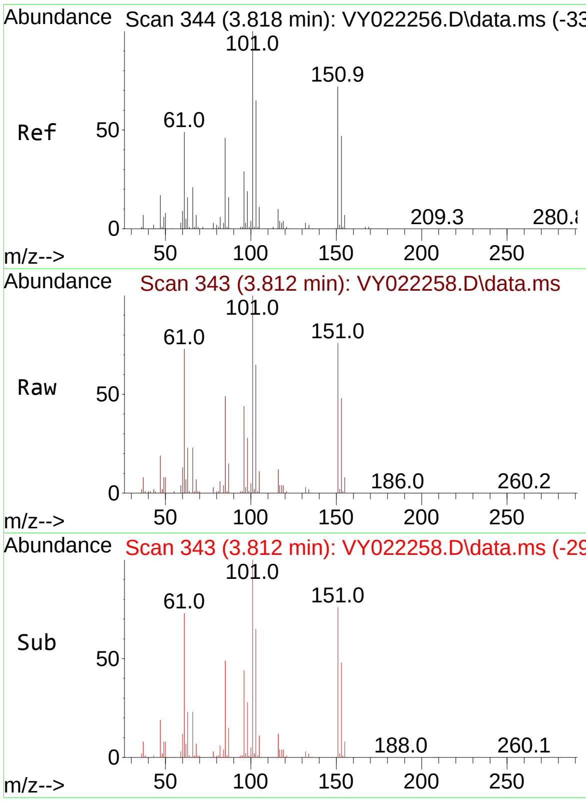
#8
Diethyl Ether
Concen: 146.270 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 74 Resp: 236216

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8



ICAL Form



#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.588 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 42239

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	75.2	59.7	89.5

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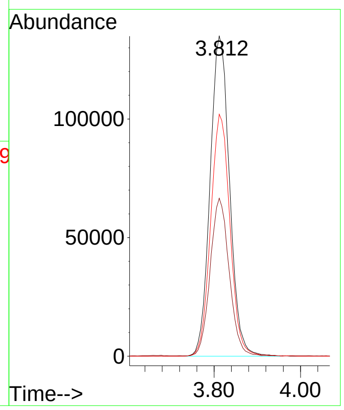
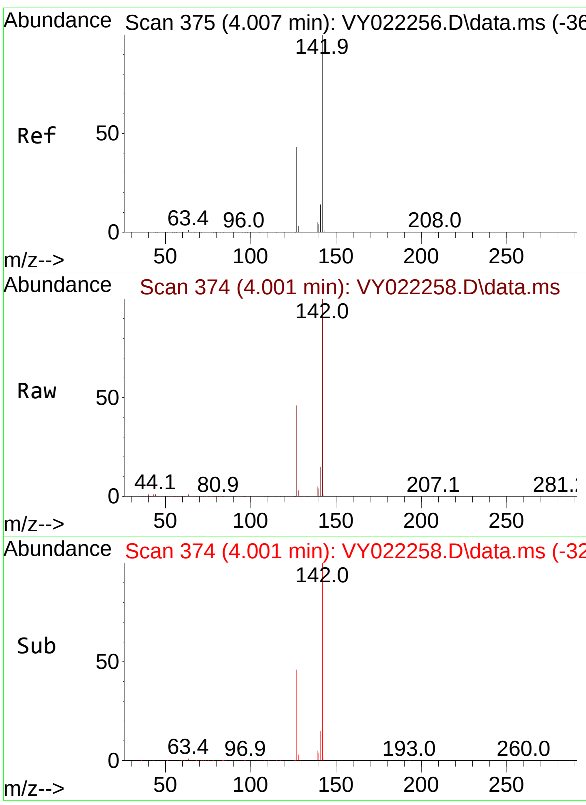
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

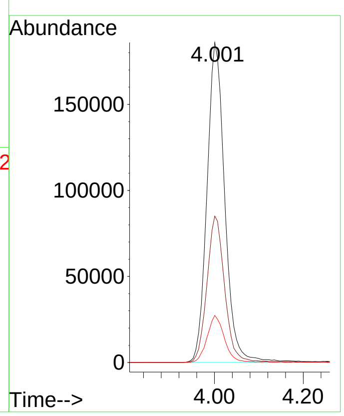




#10
Methyl Iodide
Concen: 153.489 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:142 Resp: 518980

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.7	53.5
141	14.3	11.1	16.7



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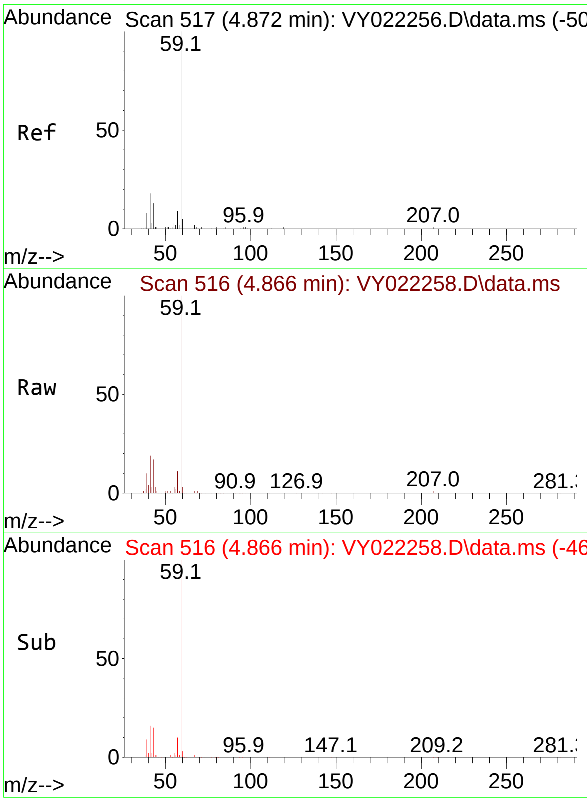

#11
Tert butyl alcohol
Concen: 762.834 ug/l
RT: 4.866 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 59 Resp: 172549
Ion Ratio Lower Upper
59 100
57 10.9 0.0 0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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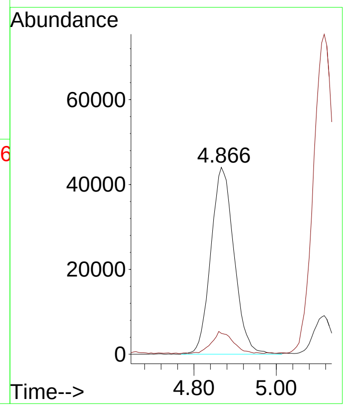
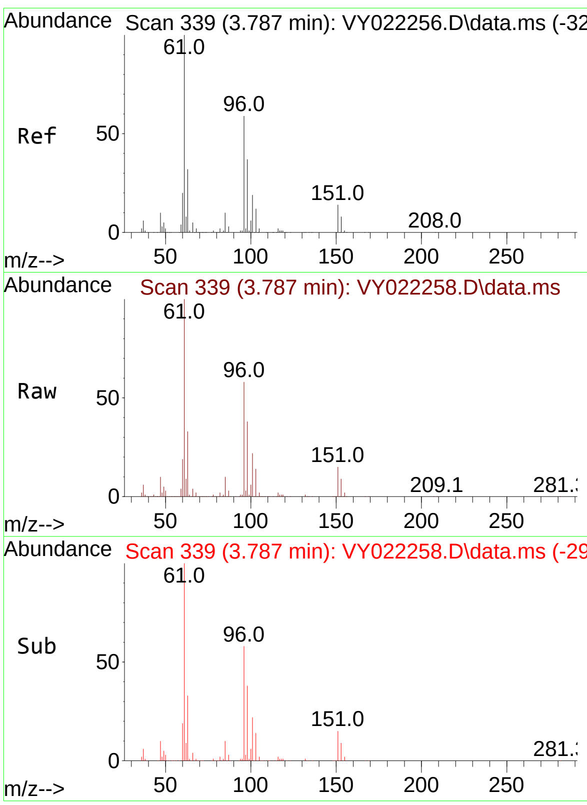
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

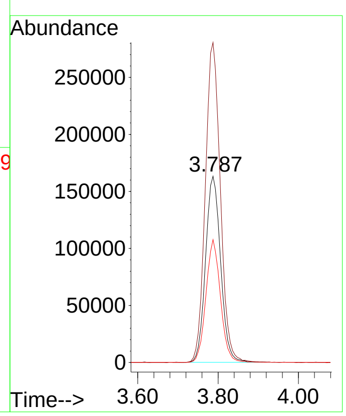


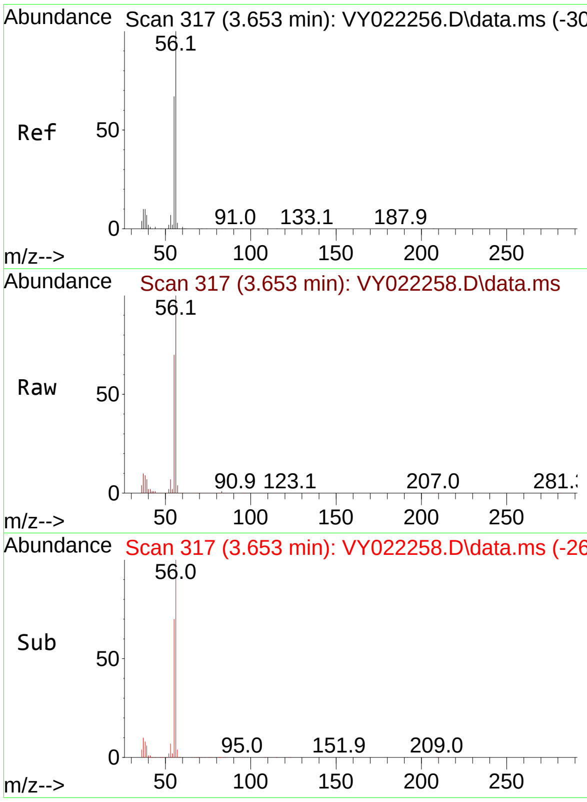


#12
1,1-Dichloroethene
Concen: 146.697 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 425285

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.9	202.3
98	65.9	49.9	74.9





#13
Acrolein
Concen: 717.595 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 56 Resp: 237291

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.6	83.4

Instrument : MSVOA_Y
ClientSampleId : VSTDICC150

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Reviewed By :Mahesh Dadoda 05/16/2025
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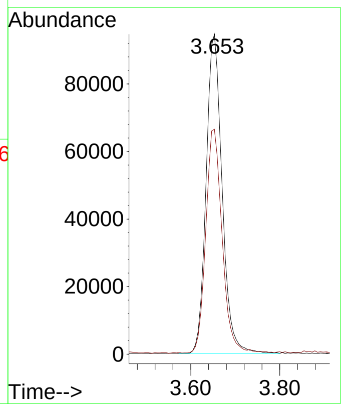
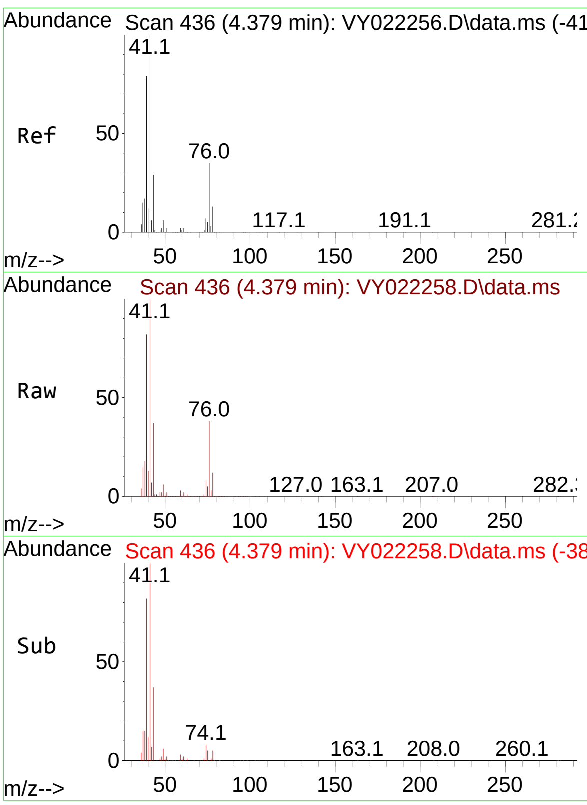
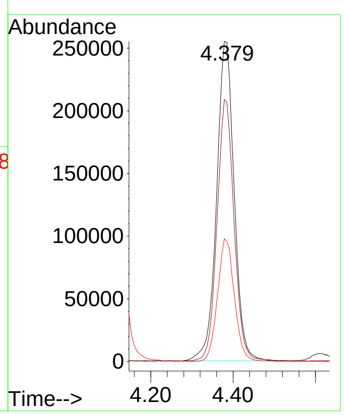




#14
Allyl chloride
Concen: 148.866 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 756728

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.8	29.5	44.3



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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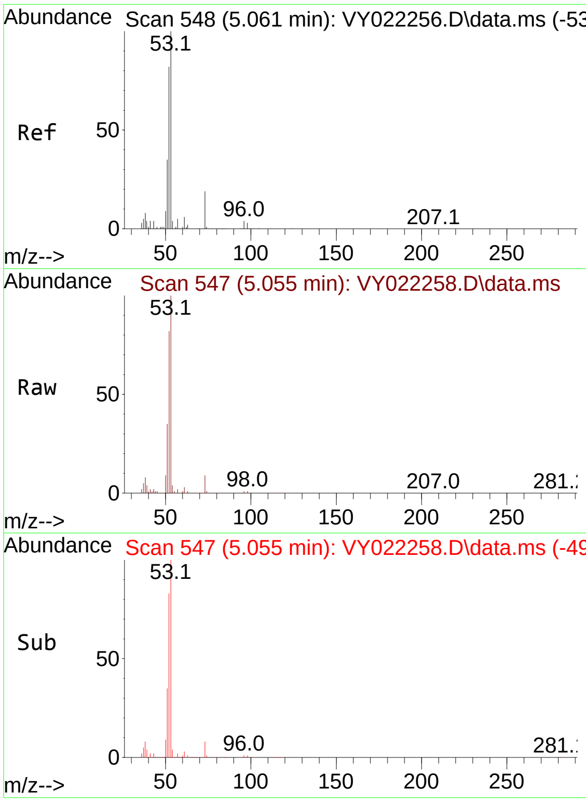
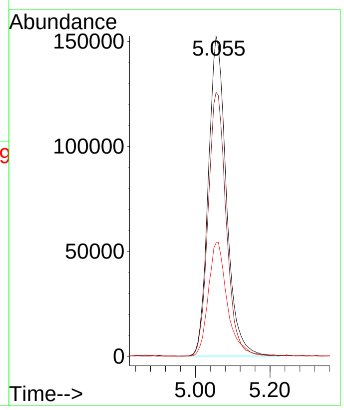
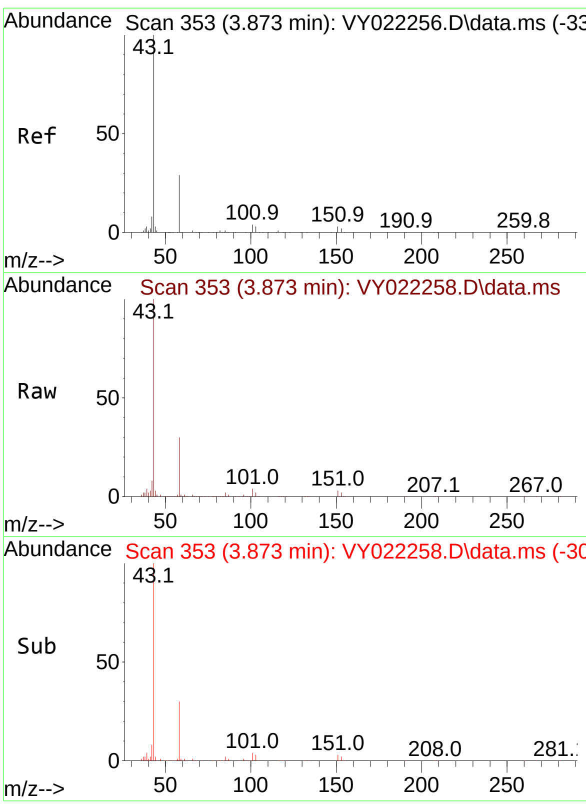


#15
Acrylonitrile
Concen: 770.708 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 53 Resp: 51285

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.5	30.0	45.0

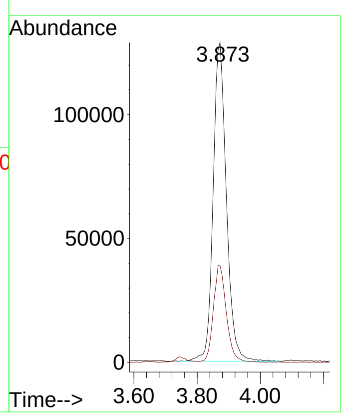


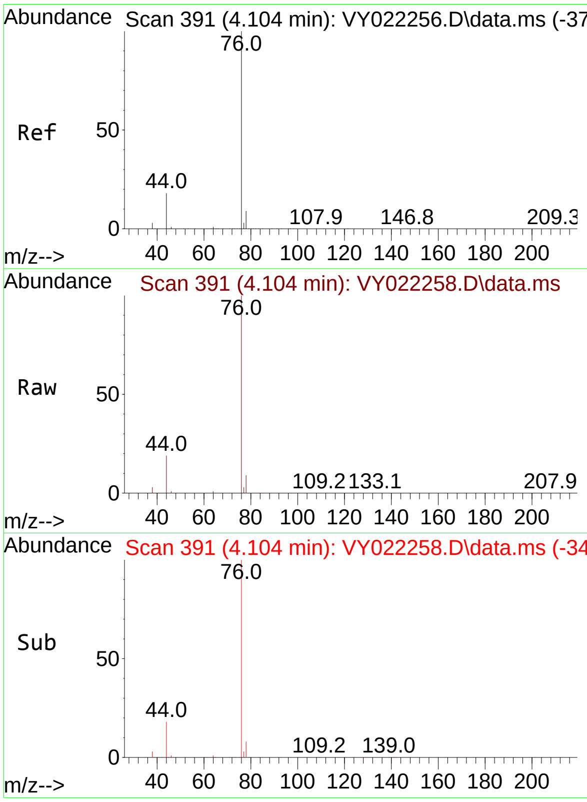


#16
Acetone
Concen: 675.976 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 375443

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4





#17
Carbon Disulfide
Concen: 144.429 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1365378

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

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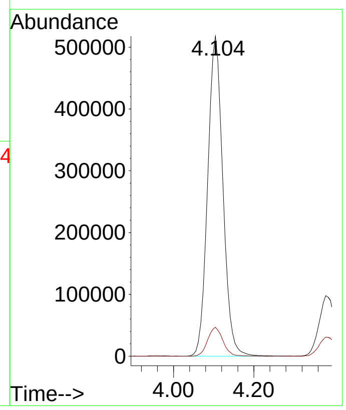
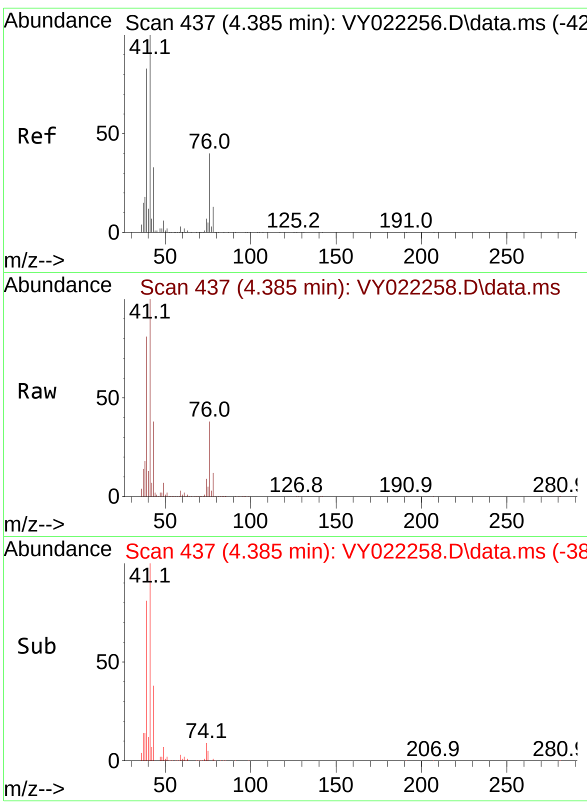
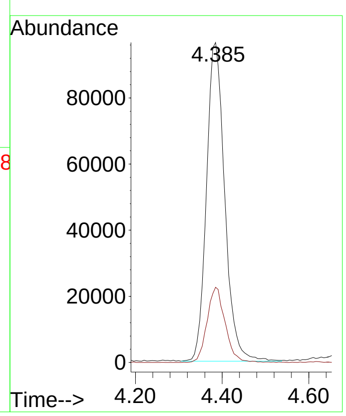




#18
Methyl Acetate
Concen: 166.915 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 282084

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.4



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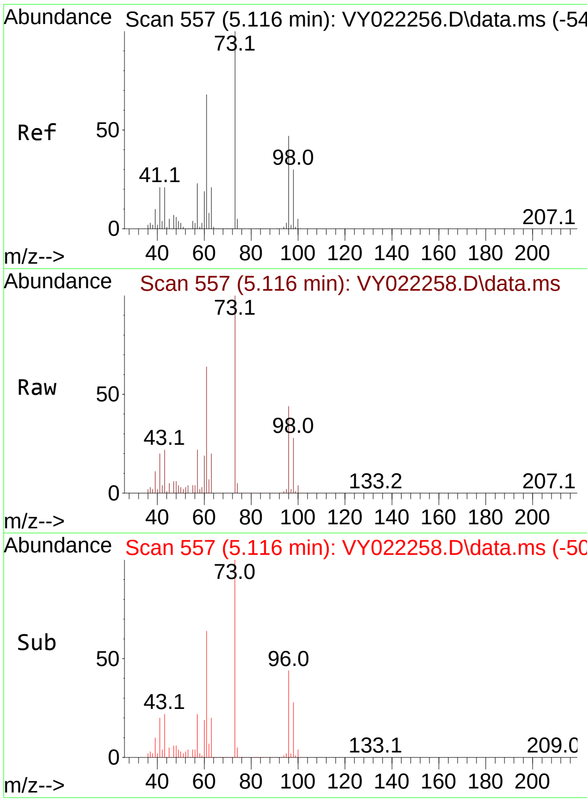

#19
Methyl tert-butyl Ether
Concen: 153.279 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 122525

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	28.0

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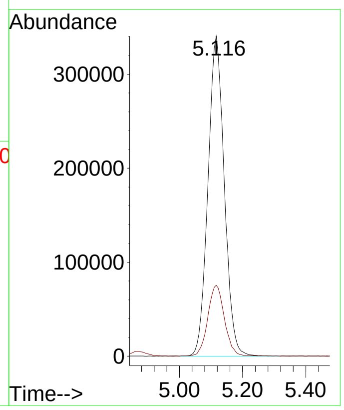
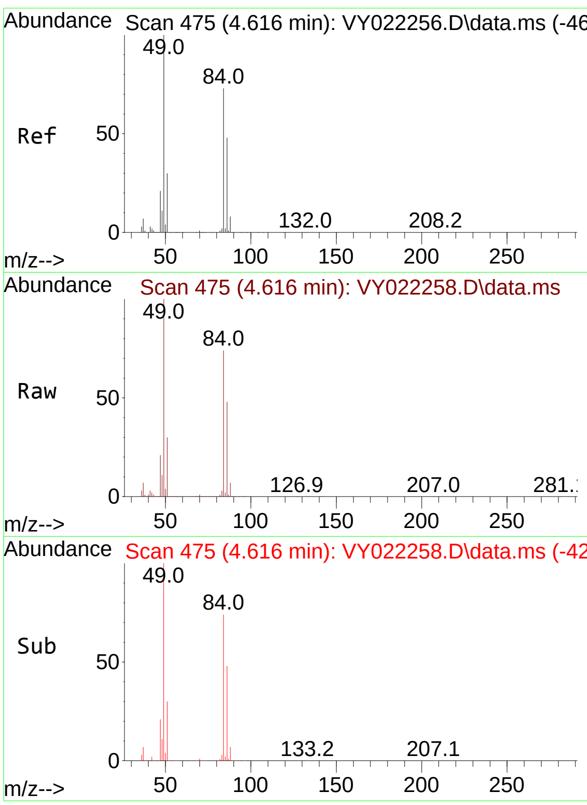
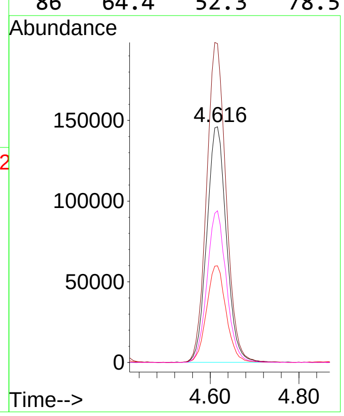




#20
Methylene Chloride
Concen: 125.059 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 84 Resp: 448817

Ion	Ratio	Lower	Upper
84	100		
49	135.3	109.6	164.4
51	40.9	32.4	48.6
86	64.4	52.3	78.5



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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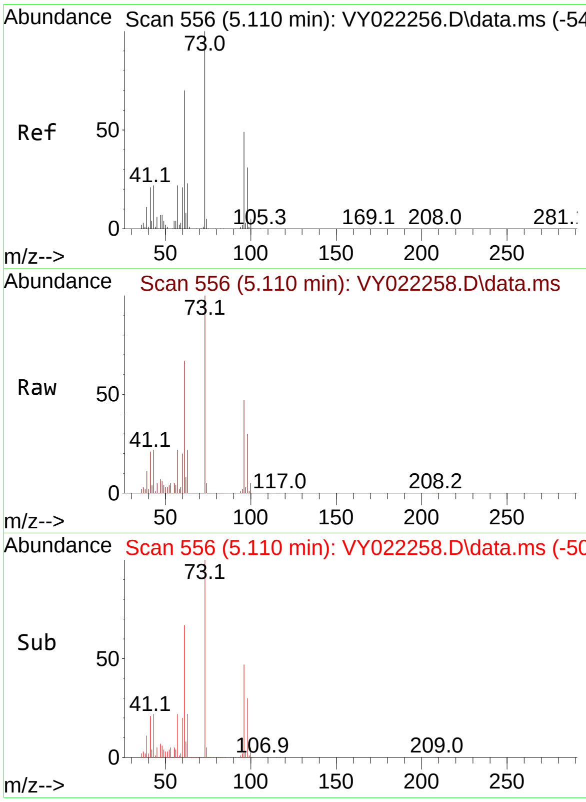
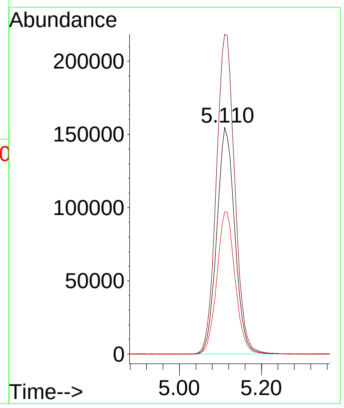
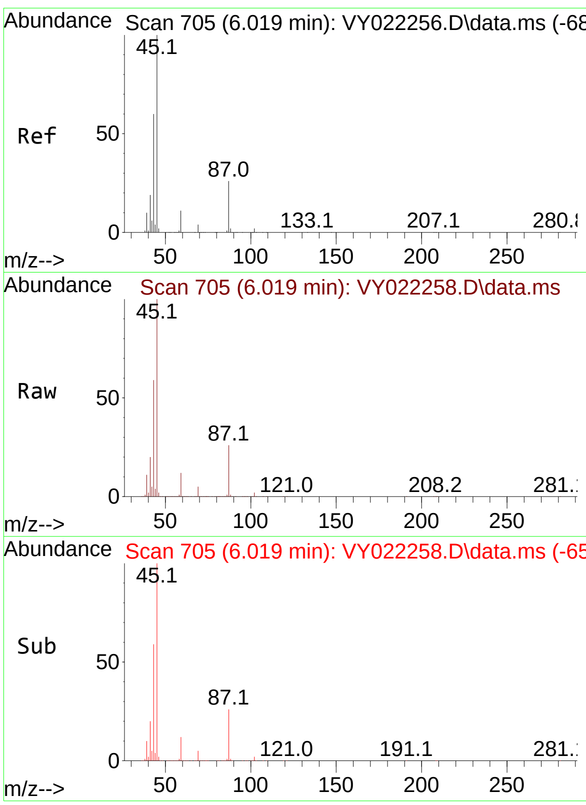


#21
trans-1,2-Dichloroethene
Concen: 147.547 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 47214

Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.4	170.0
98	62.8	50.9	76.3

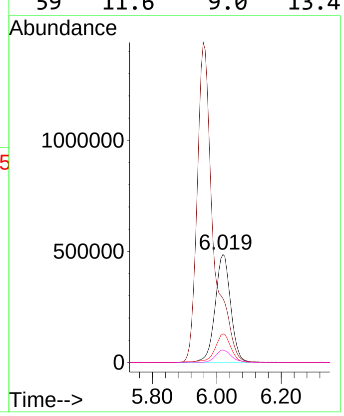




#22
Diisopropyl ether
Concen: 151.557 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 45 Resp: 1626927

Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	26.4	21.4	32.0
59	11.6	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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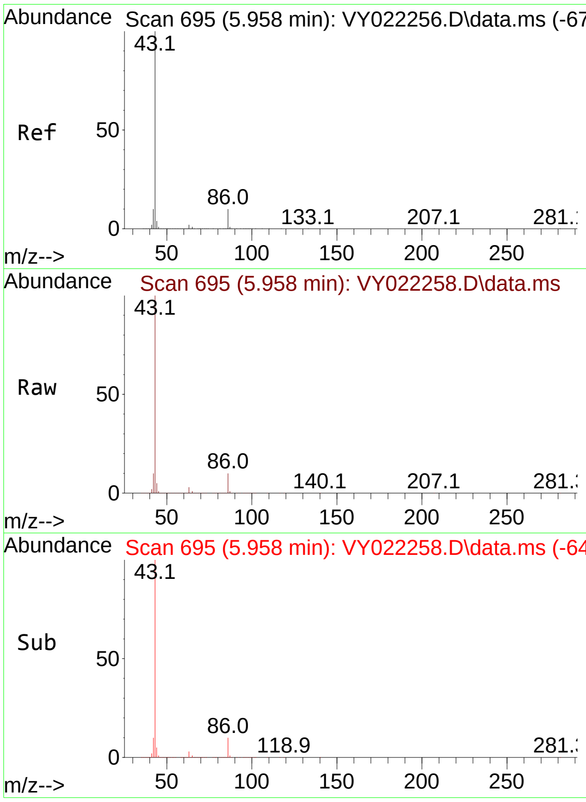
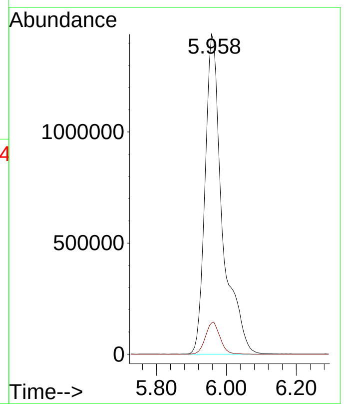
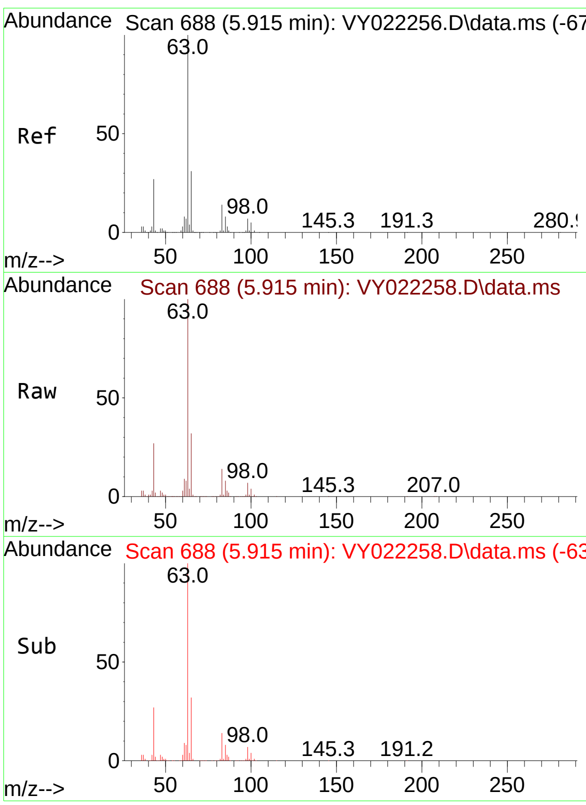


#23
Vinyl Acetate
Concen: 763.831 ug/l
RT: 5.958 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 495364

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

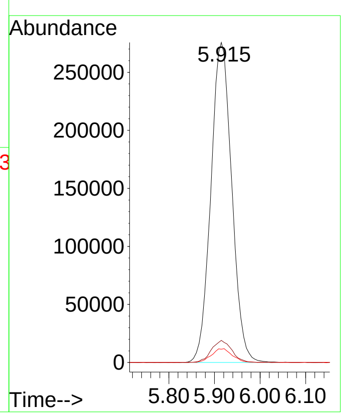




#24
1,1-Dichloroethane
Concen: 146.697 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 879785

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.2	2.4	7.2



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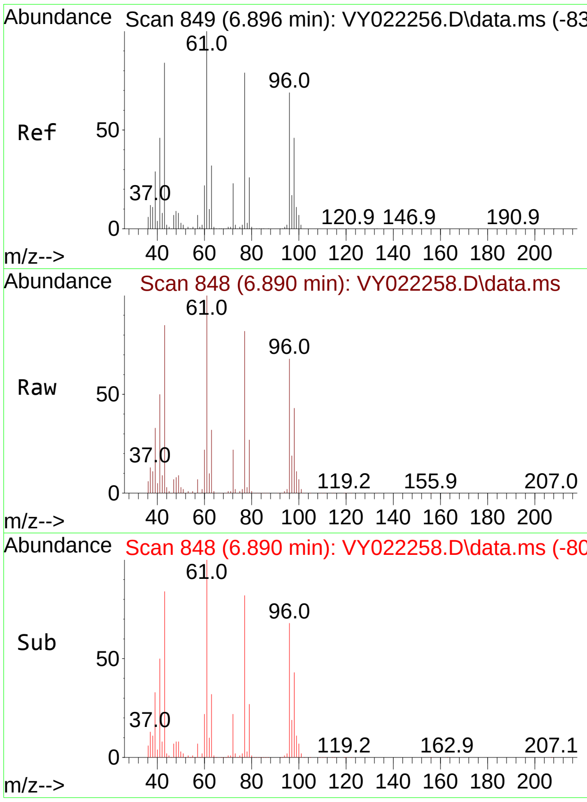

#25
2-Butanone
Concen: 762.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 708010
Ion Ratio Lower Upper
43 100
72 26.4 22.1 33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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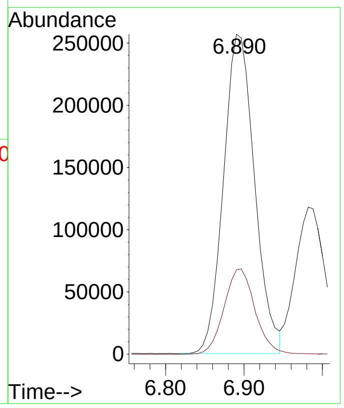
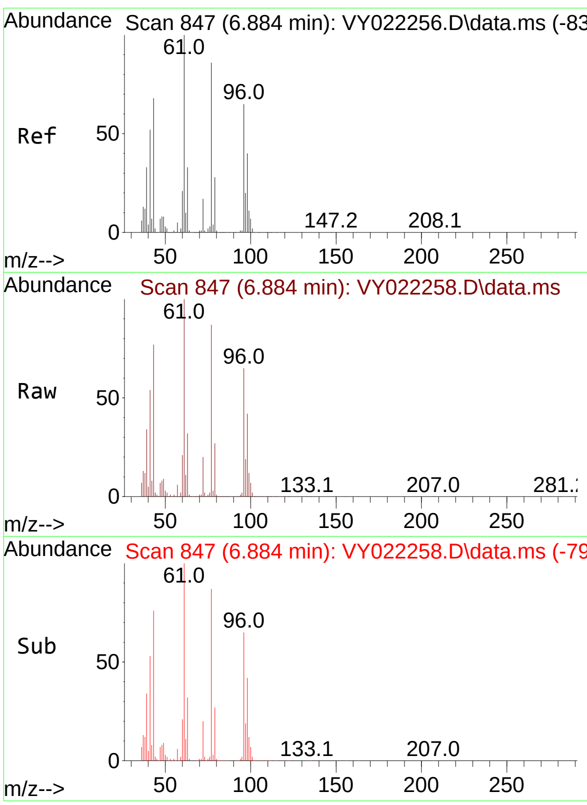
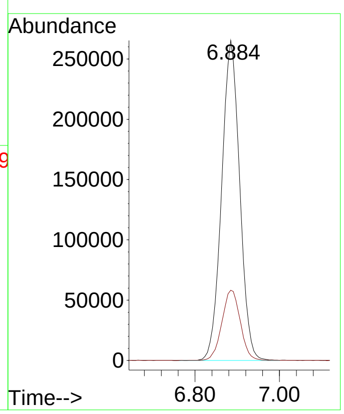




#26
2,2-Dichloropropane
Concen: 147.575 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 77 Resp: 787195
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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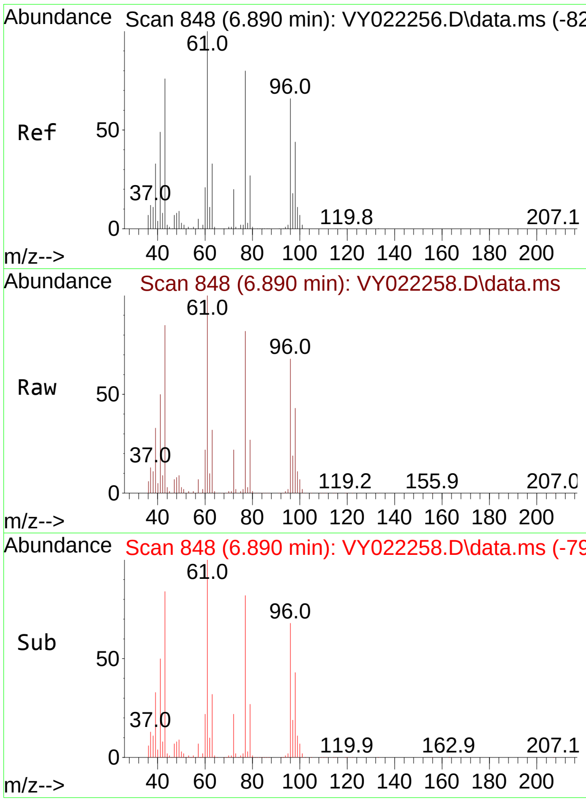
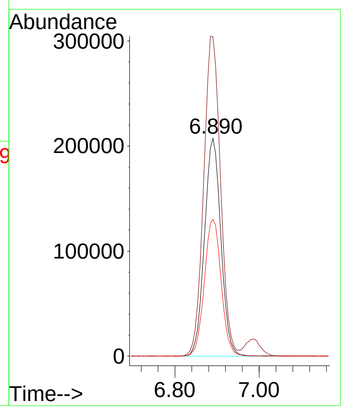
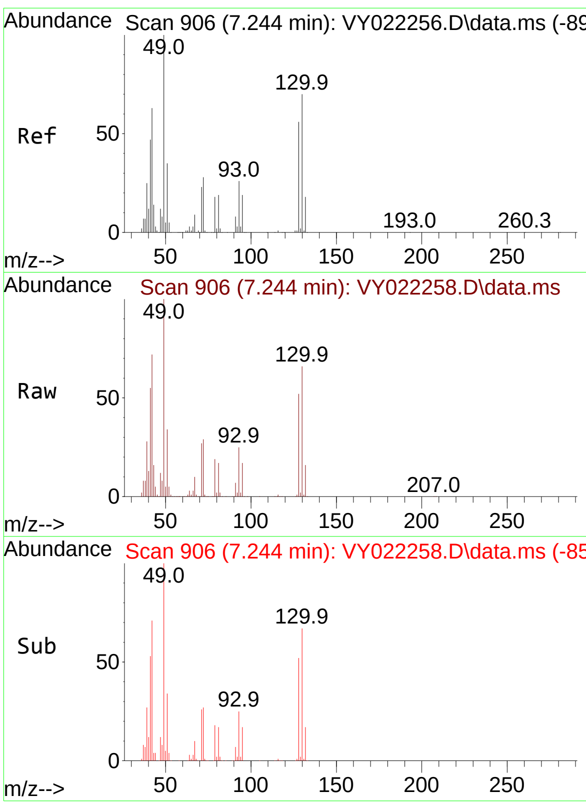


#27
cis-1,2-Dichloroethene
Concen: 152.601 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 56350

Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	302.6
98	64.4	0.0	128.8

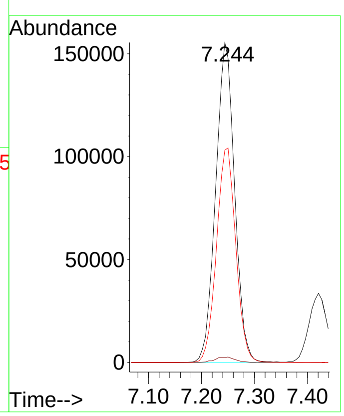


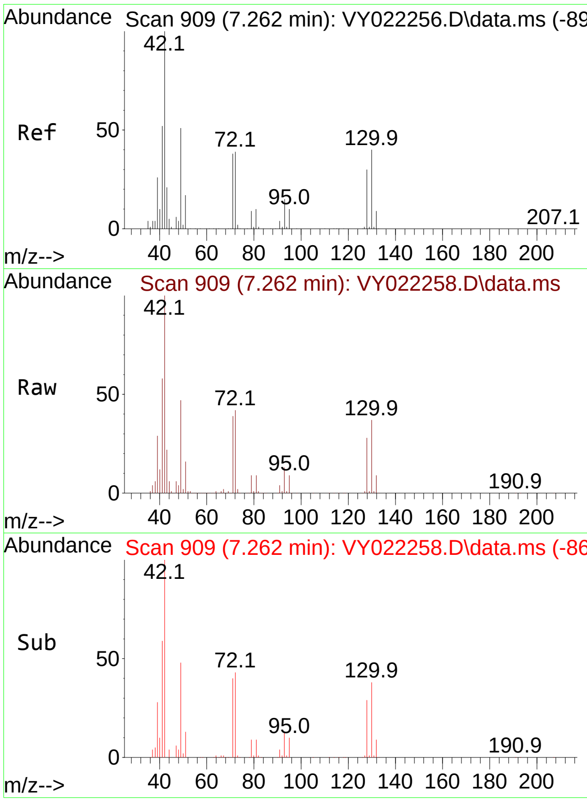


#28
Bromochloromethane
Concen: 151.369 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 49 Resp: 387221

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.2	54.7	82.1





#29
Tetrahydrofuran
Concen: 790.072 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 47222

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.6	31.5	47.3

Manual Integrations
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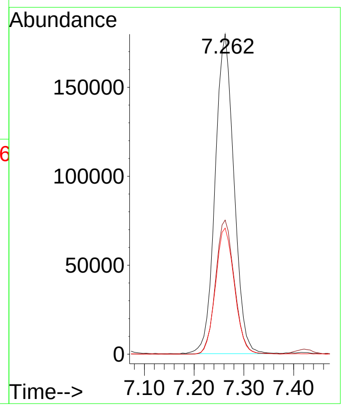
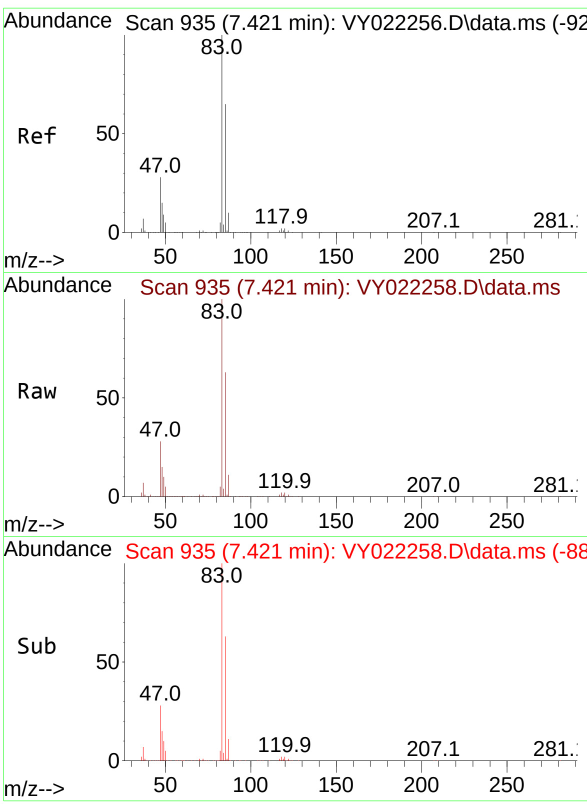
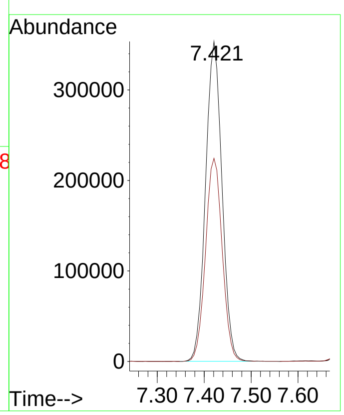




#30
Chloroform
Concen: 149.381 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 859317

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8



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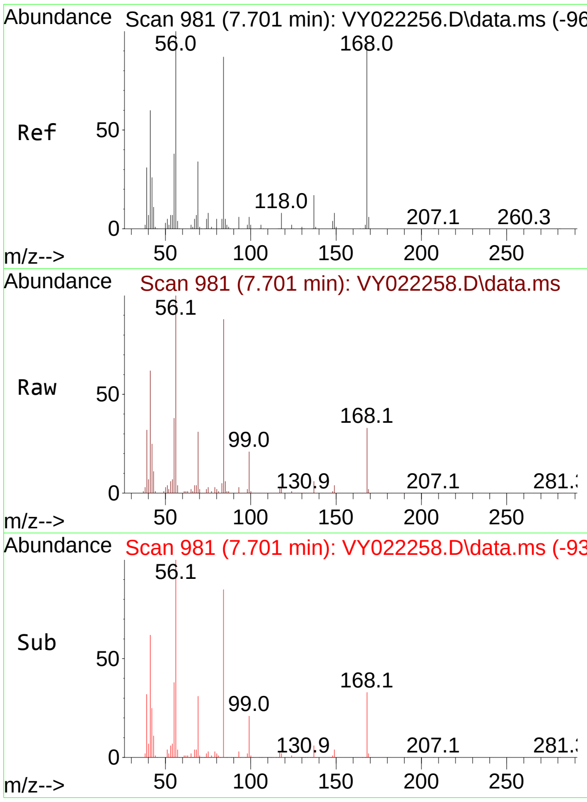

#31
Cyclohexane
Concen: 137.144 ug/l
RT: 7.701 min   Scan# 9
Delta R.T.   0.000 min
Lab File: VY022258.D
Acq: 15 May 2025   11:47

Tgt Ion: 56 Resp: 82178

Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.4	41.2
84	87.3	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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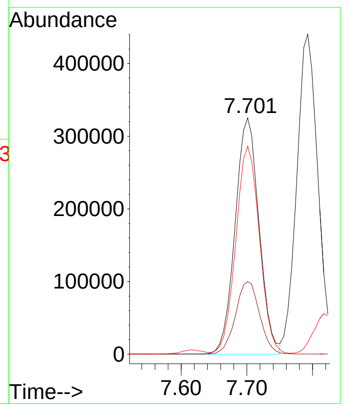
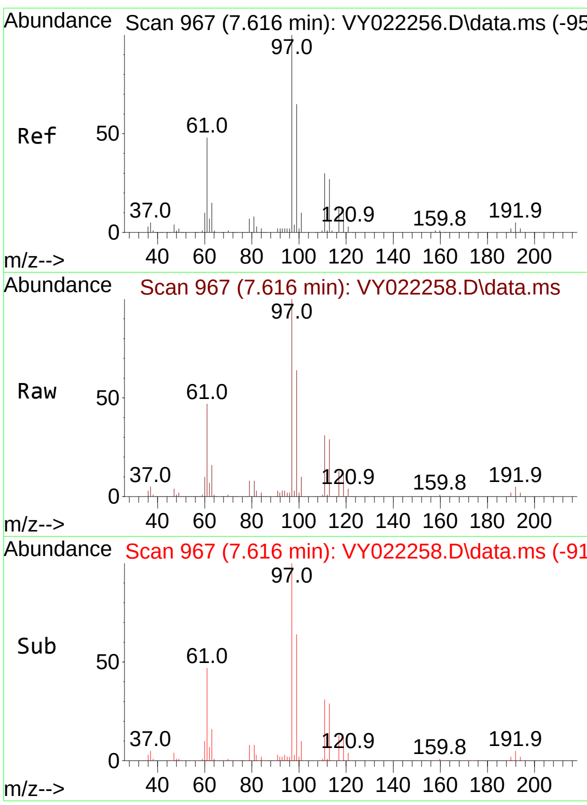
Reviewed By :Mahesh Dadoda   05/16/2025
Supervised By :Semsettin Yesilyurt   05/16/2025

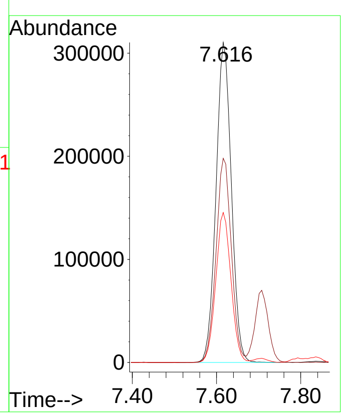




#32
1,1,1-Trichloroethane
Concen: 148.554 ug/l
RT: 7.616 min   Scan# 967
Delta R.T.   0.000 min
Lab File: VY022258.D
Acq: 15 May 2025   11:47

Tgt Ion: 97 Resp: 784014

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	46.7	38.1	57.1



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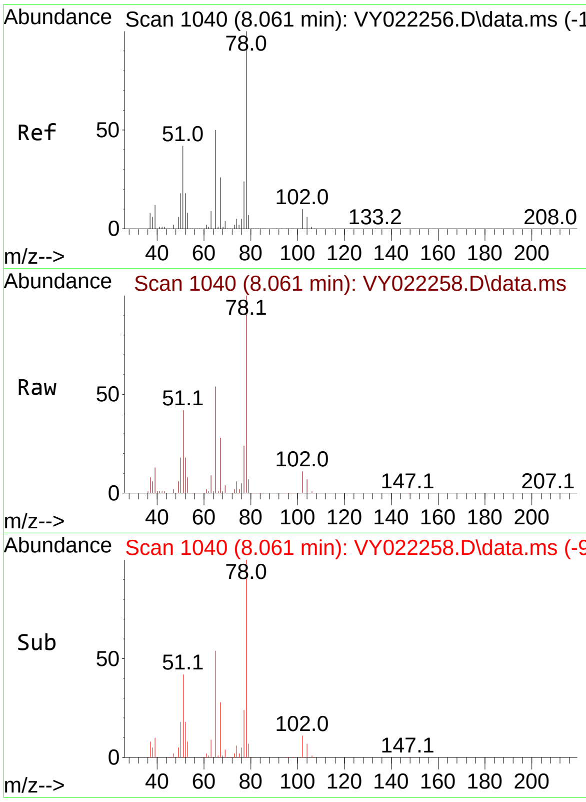

#33
1,2-Dichloroethane-d4
Concen: 153.739 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 45538

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6

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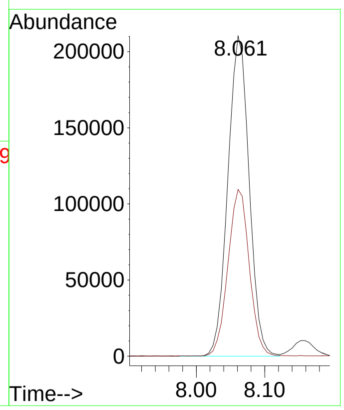
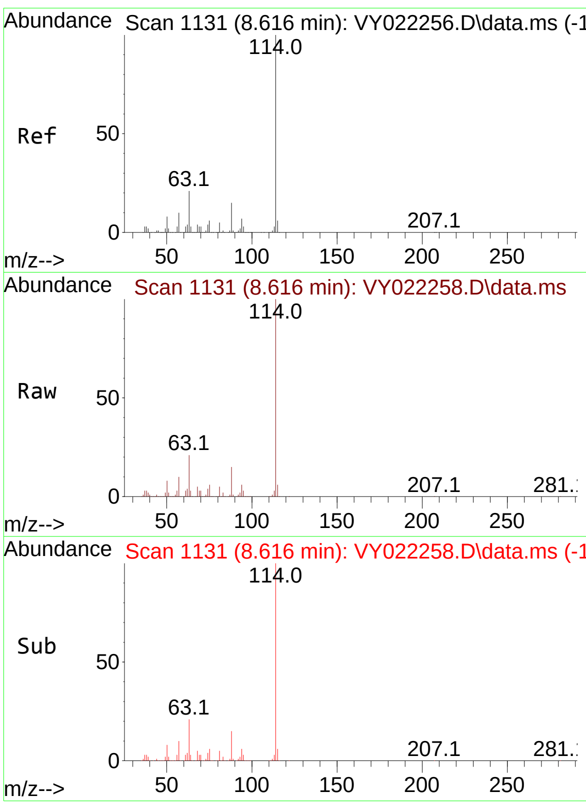
Supervised By :Semsettin Yesilyurt 05/16/2025

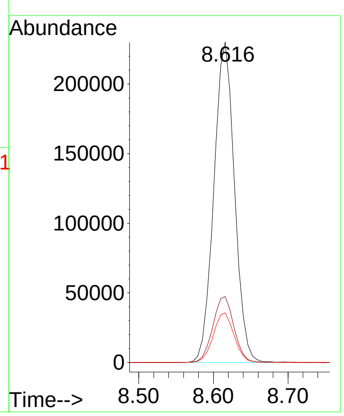




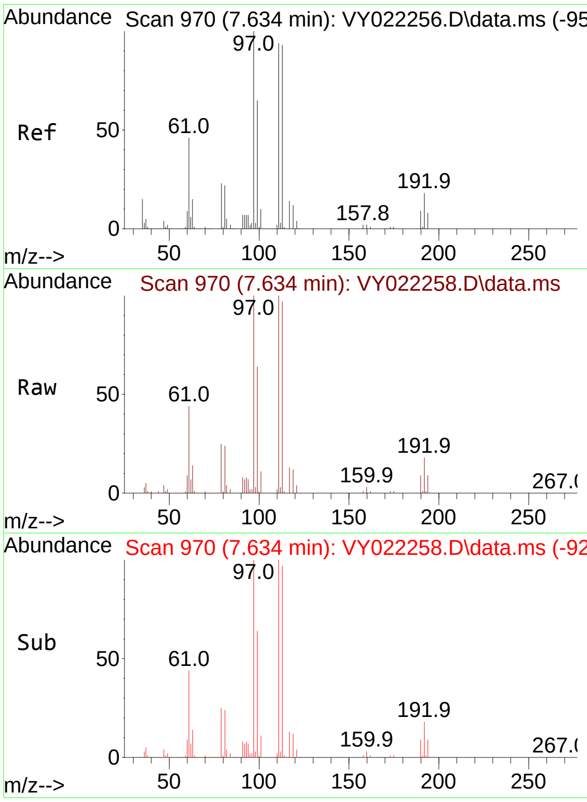
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:114 Resp: 442917

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.5	0.0	29.4



ICAL Form



#35
Dibromofluoromethane
Concen: 155.969 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 41231

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.9	15.2	22.8

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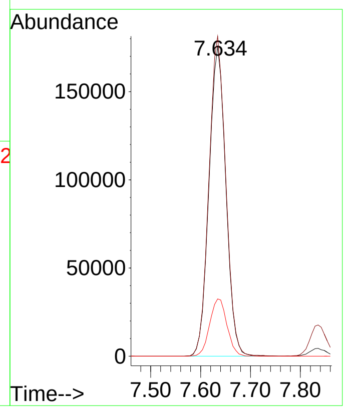
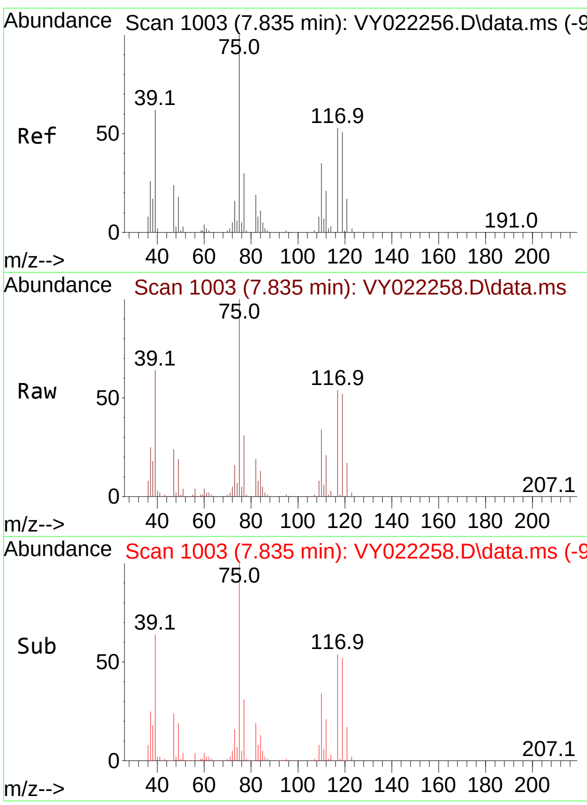
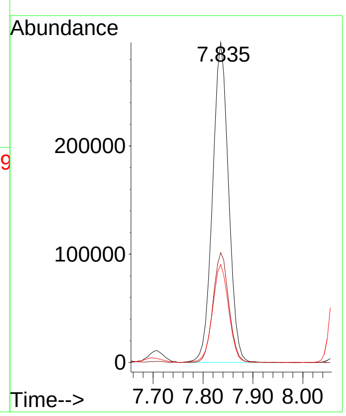




#36
1,1-Dichloropropene
Concen: 151.316 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 658871

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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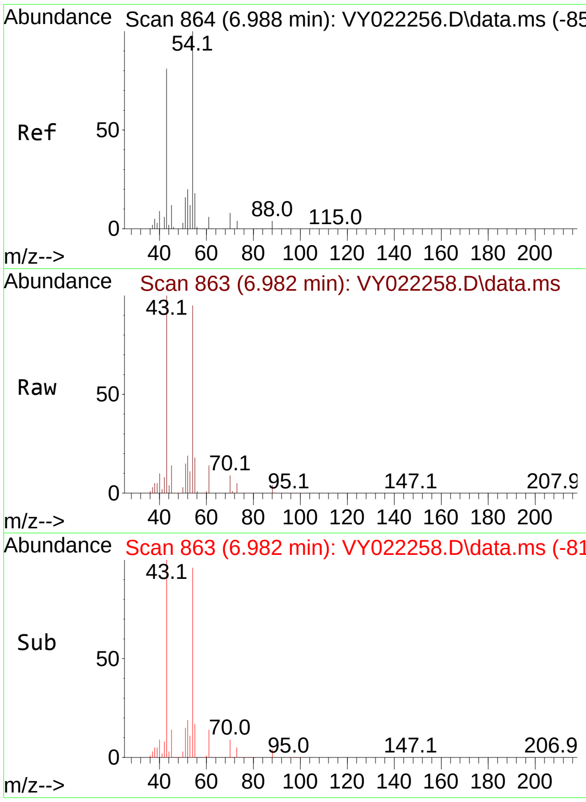
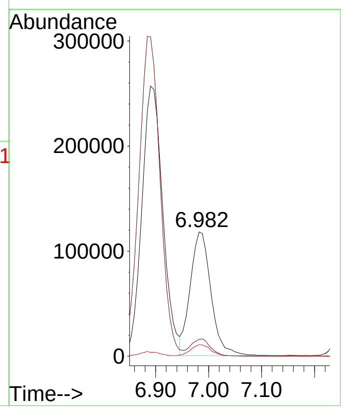
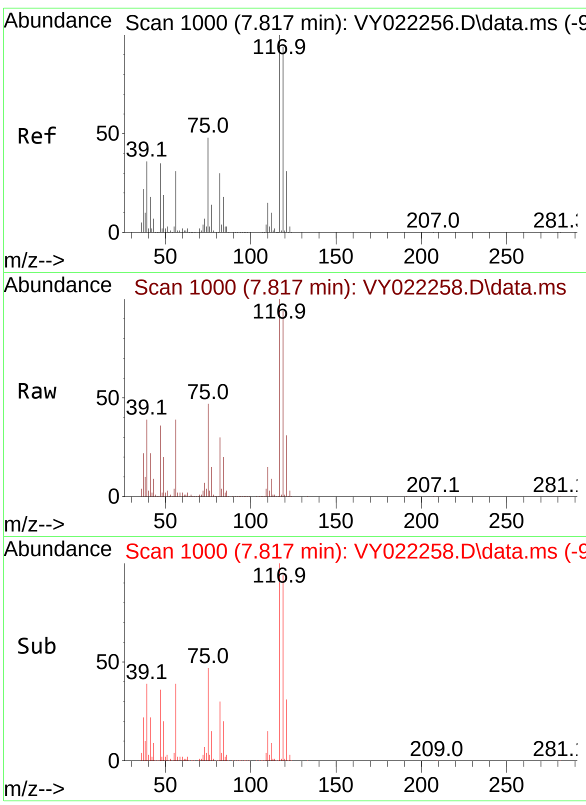


#37
Ethyl Acetate
Concen: 153.067 ug/l
RT: 6.982 min Scan# 8(
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 32068(

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.3	7.6	11.4

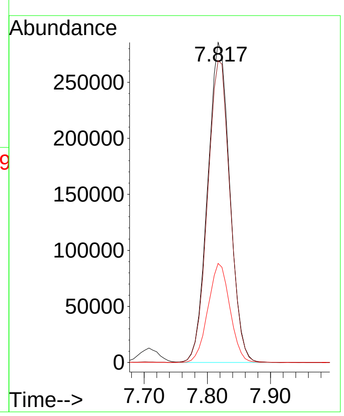




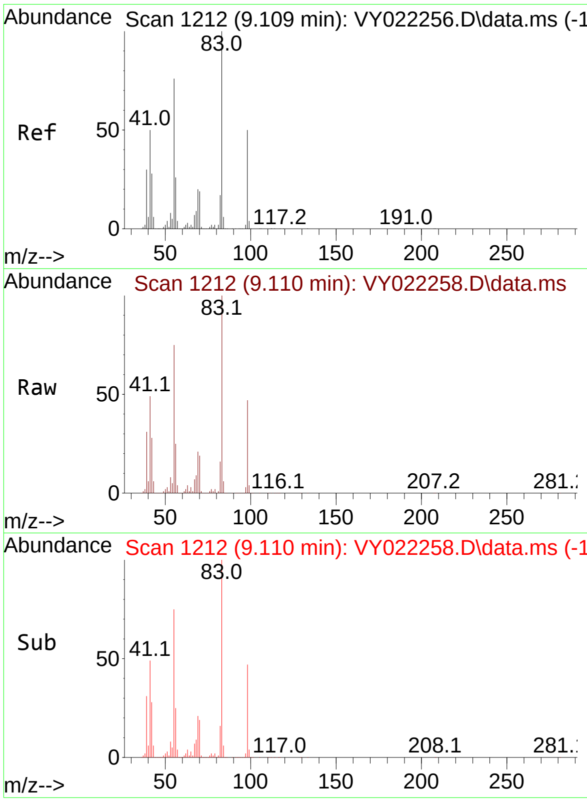
#38
Carbon Tetrachloride
Concen: 154.450 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 696139

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.3	112.9
121	30.9	24.7	37.1



ICAL Form



#39
Methylcyclohexane
Concen: 151.510 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 88632

Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.6	90.8
98	47.2	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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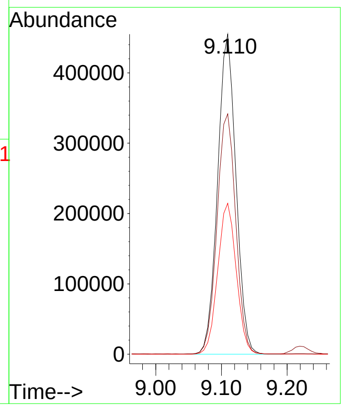
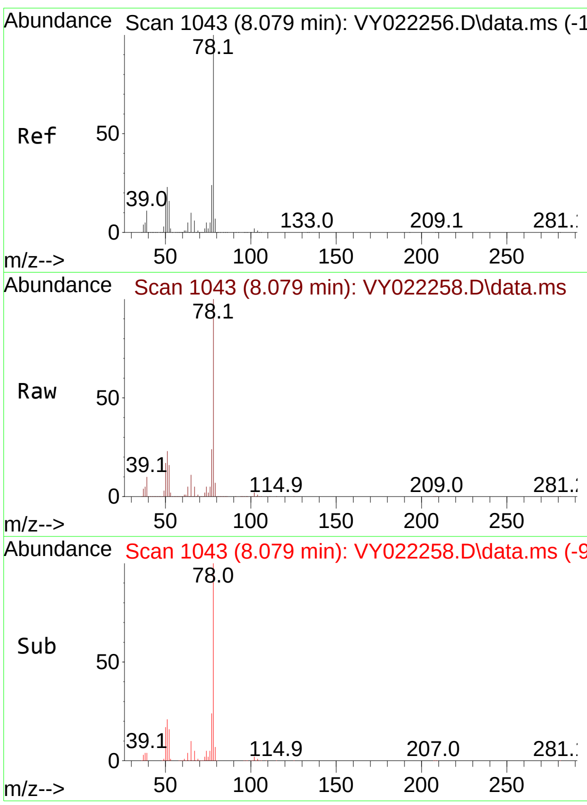
Supervised By :Semsettin Yesilyurt 05/16/2025

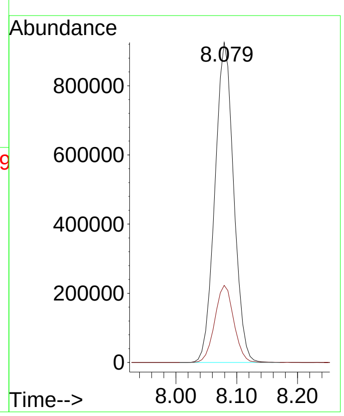


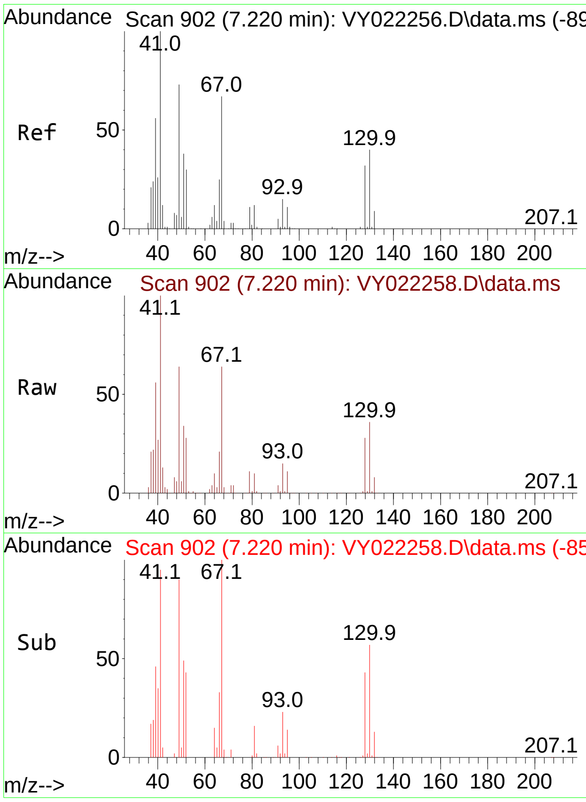


#40
Benzene
Concen: 153.973 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 78 Resp: 1987535

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3

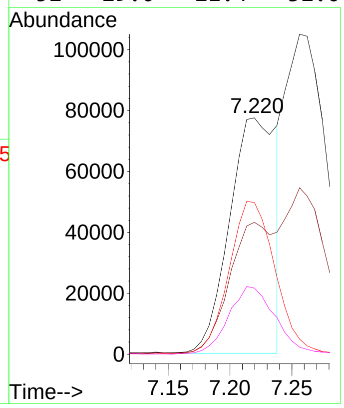




#41
Methacrylonitrile
Concen: 132.161 ug/l m
RT: 7.220 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 20260!

Ion	Ratio	Lower	Upper
41	100		
39	47.7	39.1	58.7
67	64.4	47.1	70.7
52	29.0	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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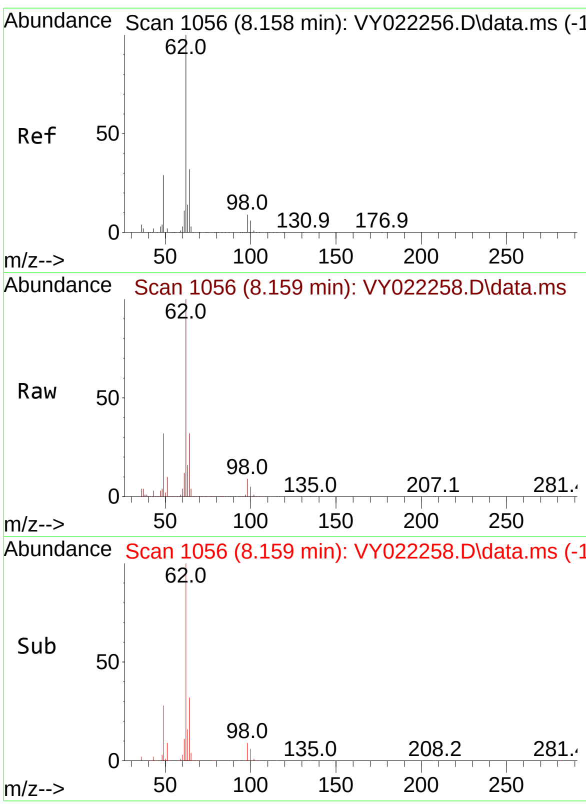
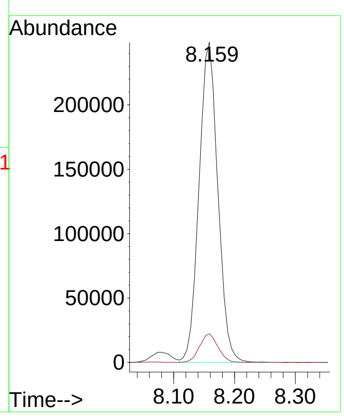


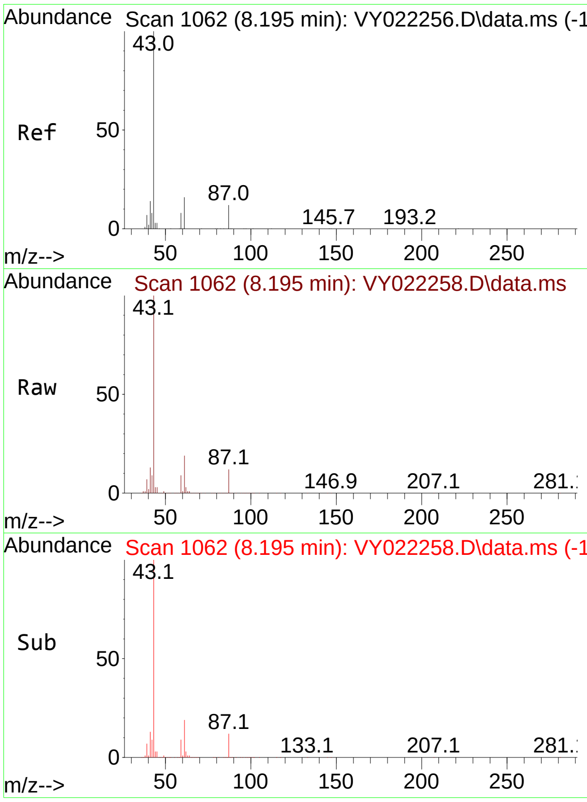
#42
1,2-Dichloroethane
Concen: 153.124 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 534517

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4



ICAL Form




```
#43
Isopropyl Acetate
Concen:  154.159 ug/l
RT:   8.195 min  Scan# 1(
Delta R.T.  0.000 min
Lab File:   VY022258.D
Acq: 15 May 2025  11:47

Tgt Ion: 43 Resp:  704360
Ion  Ratio  Lower  Upper
 43  100
 61   27.0   15.1   22.7#
 87   12.0    9.7   14.5
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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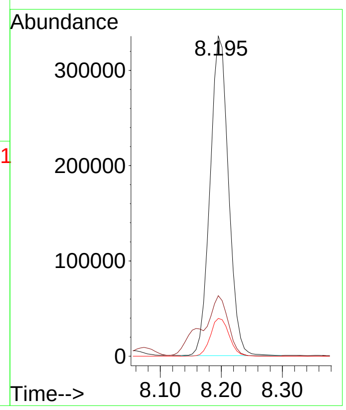
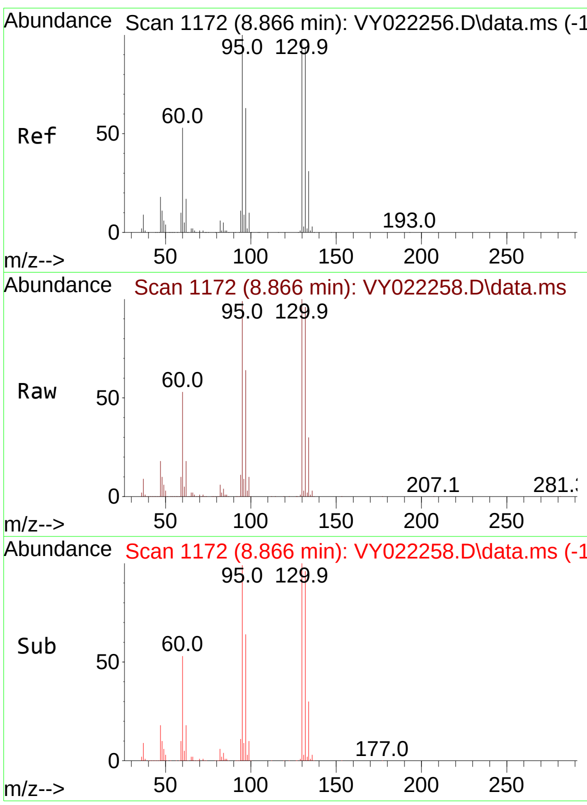
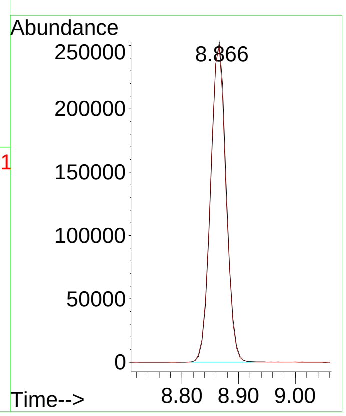


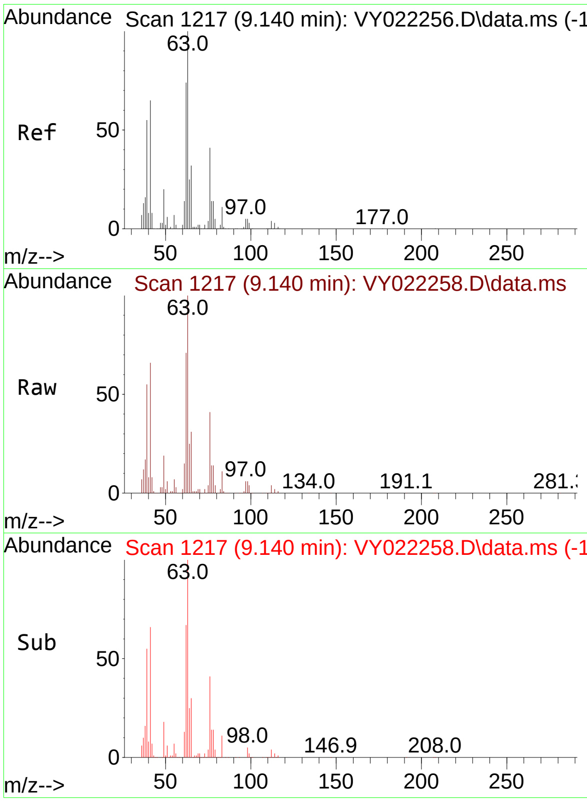



```
#44
Trichloroethene
Concen:  150.171 ug/l
RT:   8.866 min  Scan# 1172
Delta R.T.  0.000 min
Lab File:   VY022258.D
Acq: 15 May 2025  11:47

Tgt Ion:130 Resp:  481990
Ion  Ratio  Lower  Upper
130  100
 95   98.7    0.0  204.8
```



ICAL Form



#45
1,2-Dichloropropane
Concen: 151.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 47221

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5

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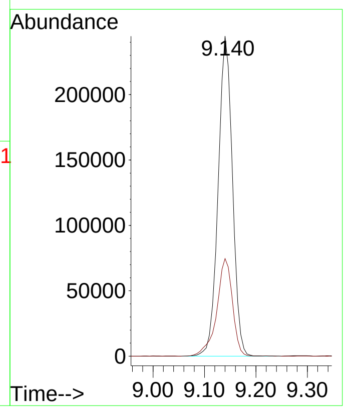
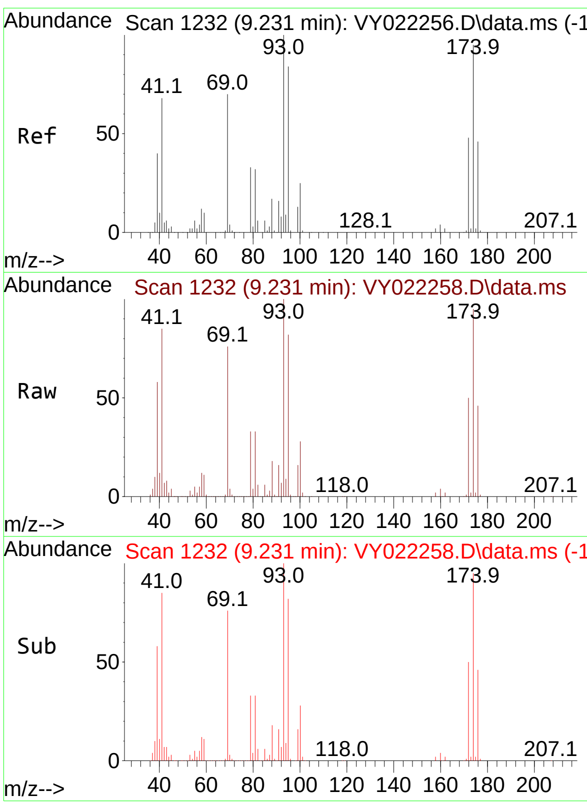
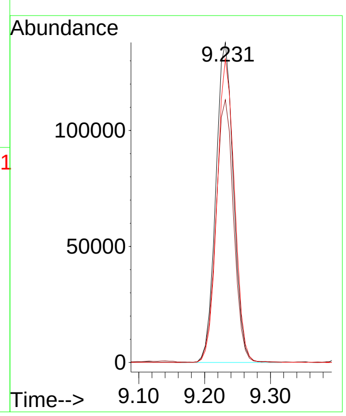




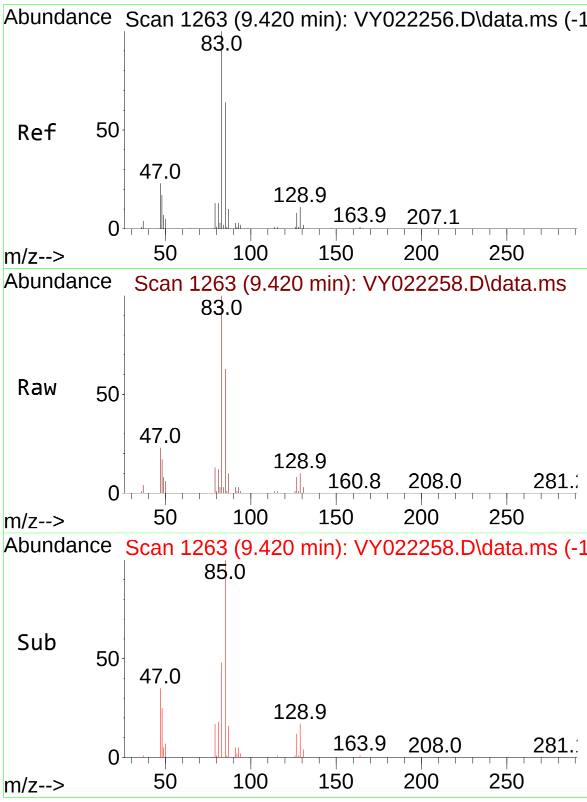
#46
Dibromomethane
Concen: 153.757 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 93 Resp: 258087

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.5	74.3	111.5



ICAL Form



#47
Bromodichloromethane
Concen: 153.824 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 66983

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.8	6.6	10.0

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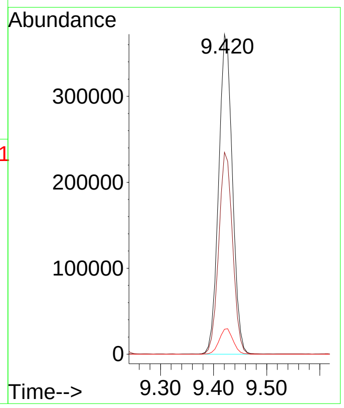
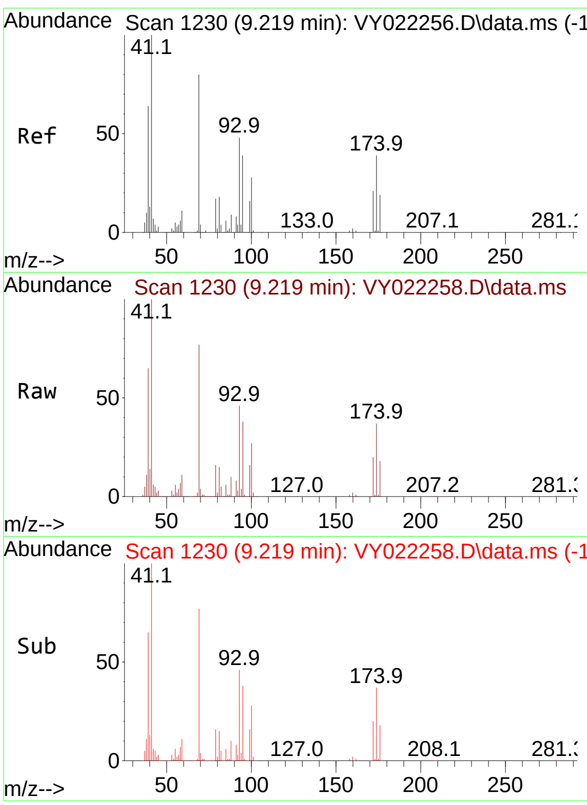
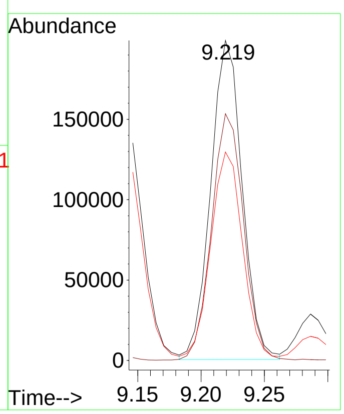




#48
Methyl methacrylate
Concen: 161.060 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 344147

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.5	95.3
39	64.1	50.8	76.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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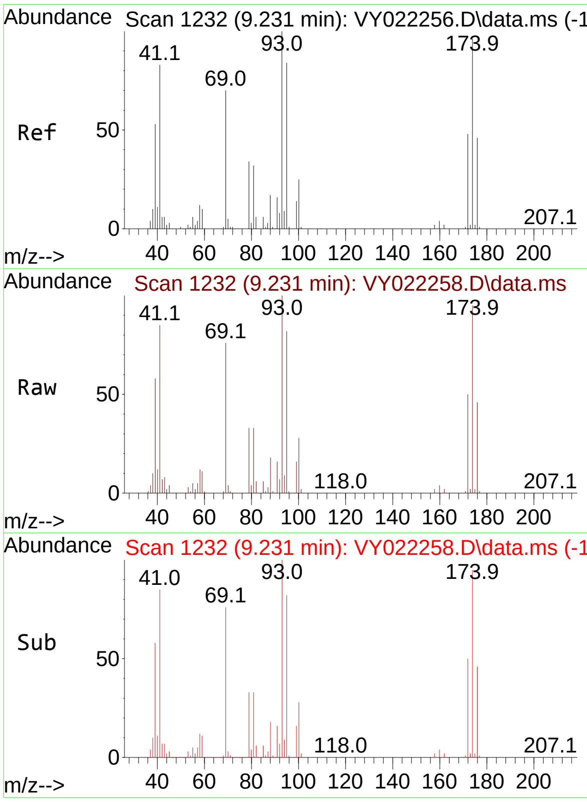
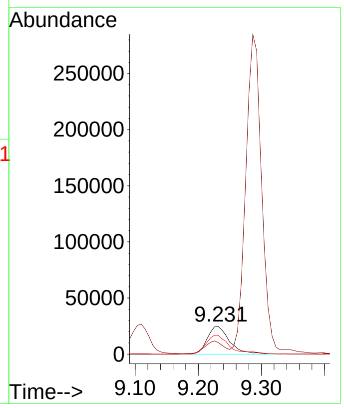
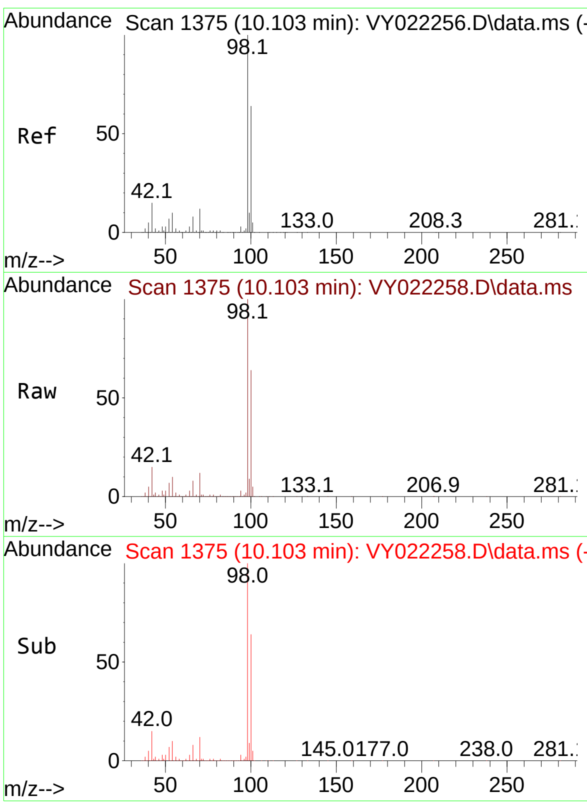



```
#49
1,4-Dioxane
Concen: 3217.888 ug/l
RT:    9.231 min   Scan# 1
Delta R.T.   0.000 min
Lab File:    VY022258.D
Acq: 15 May 2025   11:47

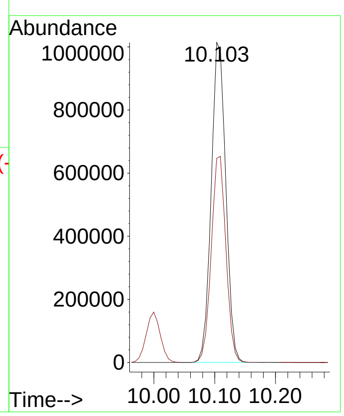
Tgt Ion: 88 Resp:   61019
Ion   Ratio   Lower   Upper
 88   100
 43    36.9    28.5    42.7
 58    71.3    61.4    92.2
```



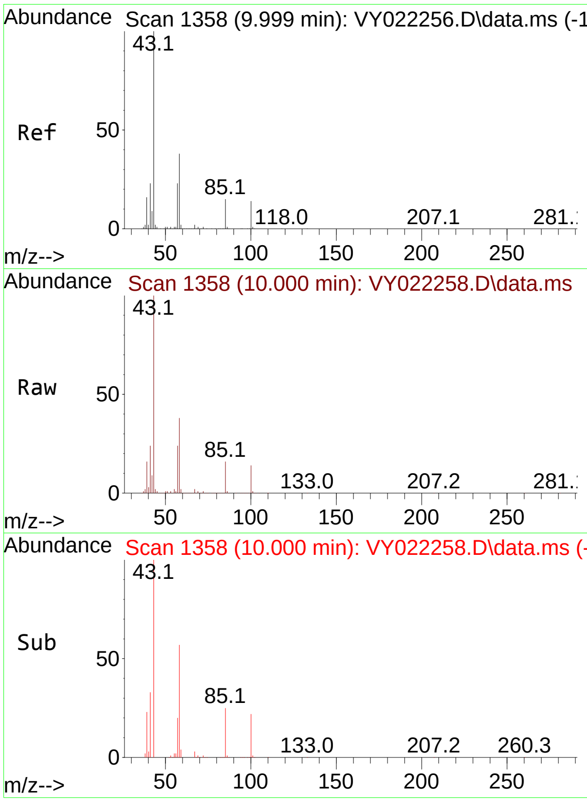



```
#50
Toluene-d8
Concen:  156.065 ug/l
RT:  10.103 min   Scan# 1375
Delta R.T.   0.000 min
Lab File:    VY022258.D
Acq: 15 May 2025   11:47

Tgt Ion: 98 Resp: 1689714
Ion   Ratio   Lower   Upper
 98   100
100    64.7    51.8    77.8
```



ICAL Form



#51
4-Methyl-2-Pentanone
Concen: 815.822 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1829015

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.2

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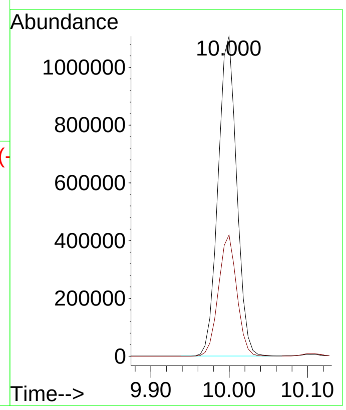
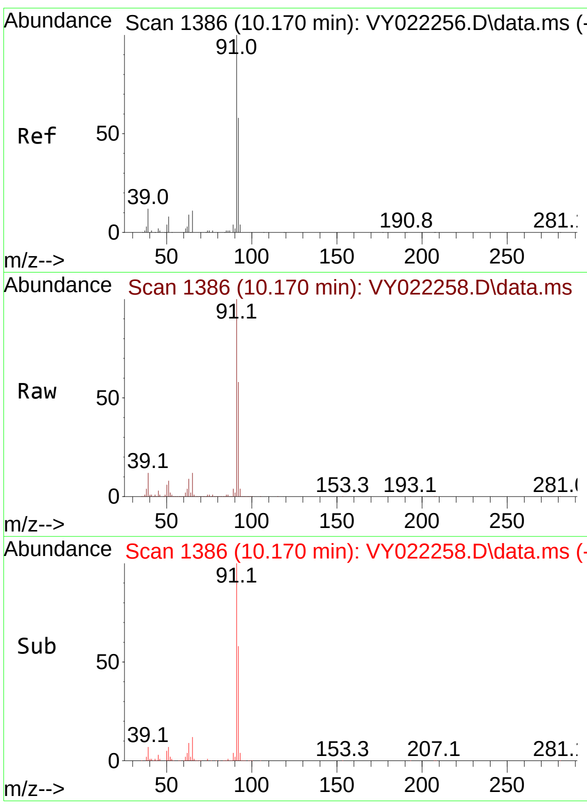
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

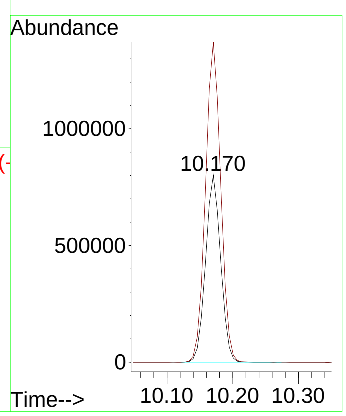




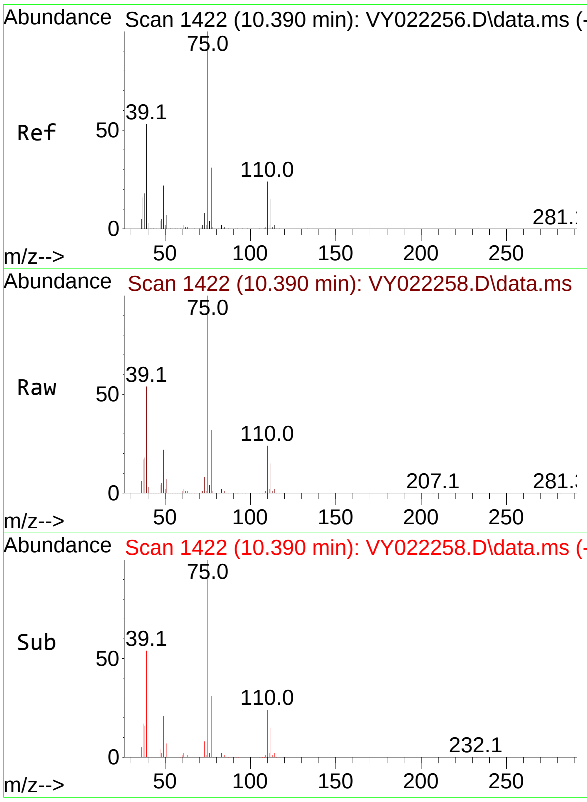
#52
Toluene
Concen: 156.216 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 92 Resp: 1276917

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.1	208.7



ICAL Form



#53
t-1,3-Dichloropropene
Concen: 156.134 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

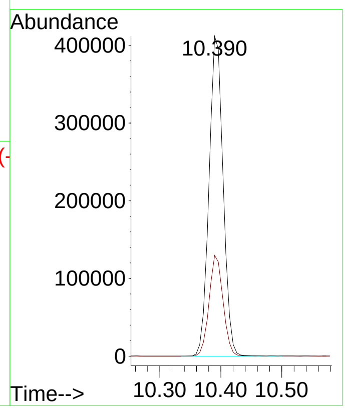
Tgt Ion: 75 Resp: 66351

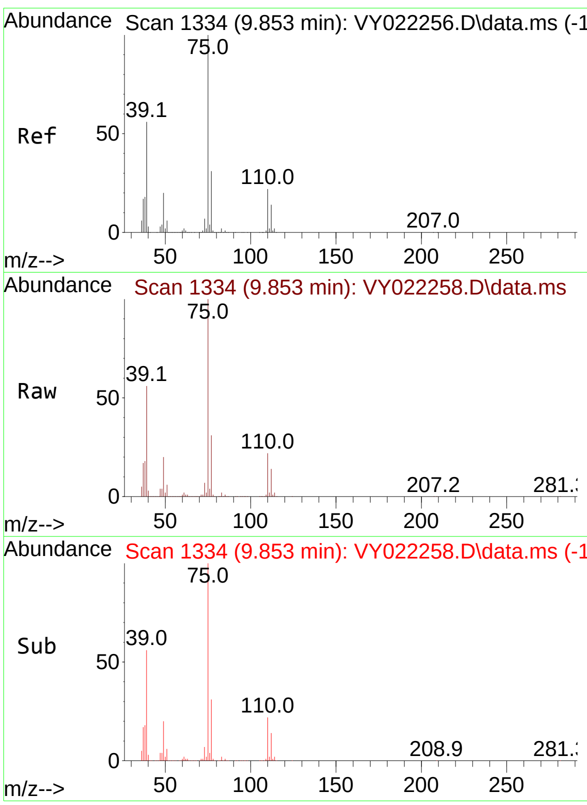
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

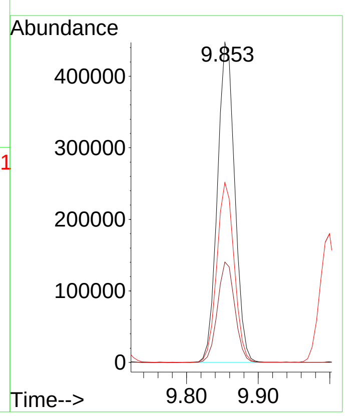




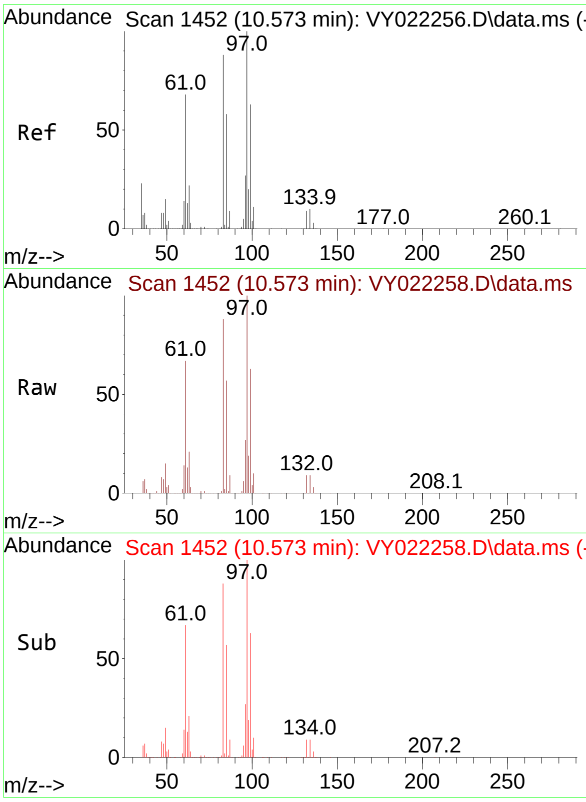
#54
cis-1,3-Dichloropropene
Concen: 154.963 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 754493

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	56.2	44.5	66.7



ICAL Form



#55
1,1,2-Trichloroethane
Concen: 153.863 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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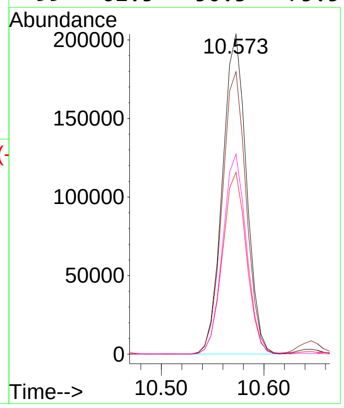
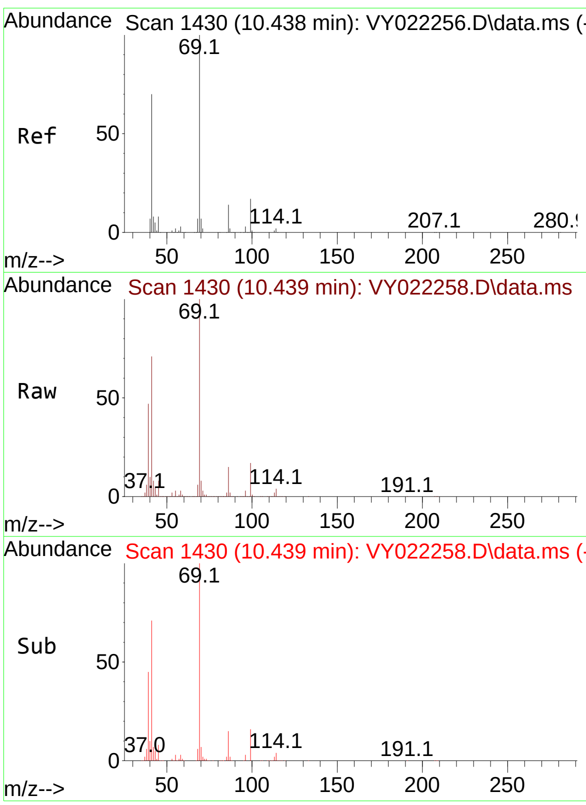
Tgt Ion: 97 Resp: 33071(

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	56.8	46.2	69.4
99	62.5	50.3	75.5

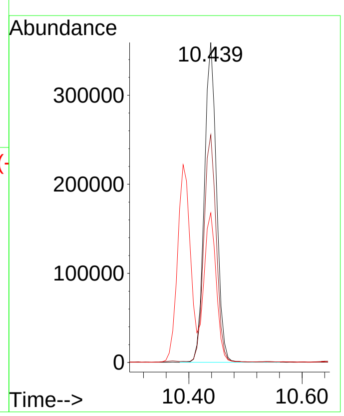




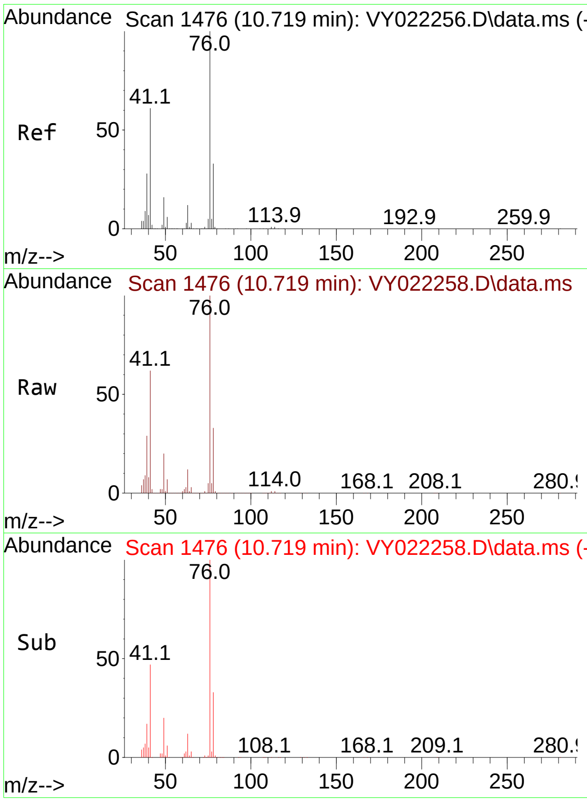
#56
Ethyl methacrylate
Concen: 160.058 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 69 Resp: 535897

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.5	84.7
39	46.8	37.1	55.7



ICAL Form



#57
1,3-Dichloropropane
Concen: 152.987 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 76 Resp: 58425

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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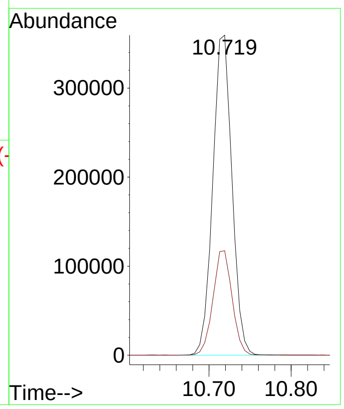
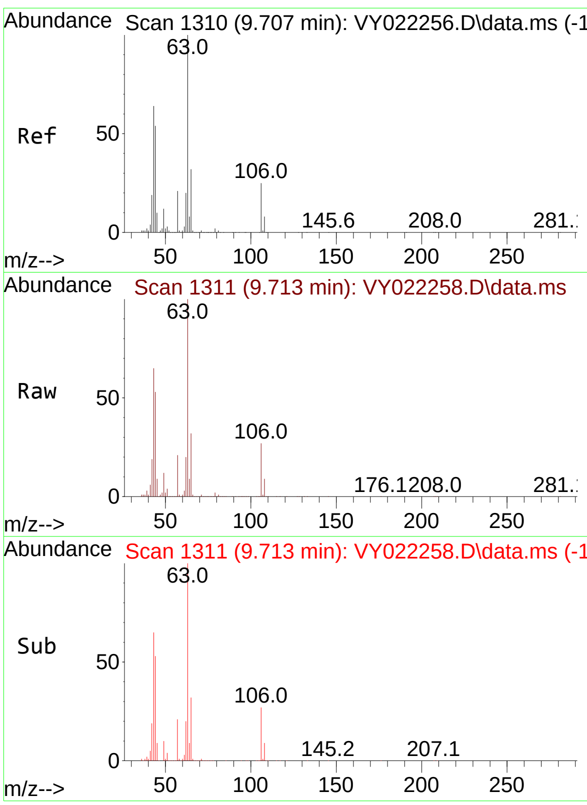
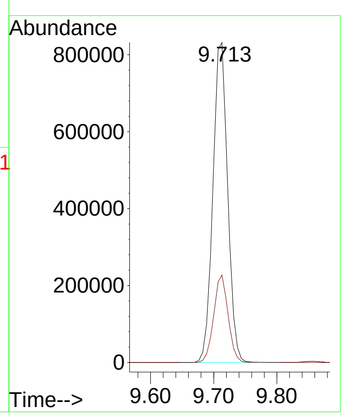


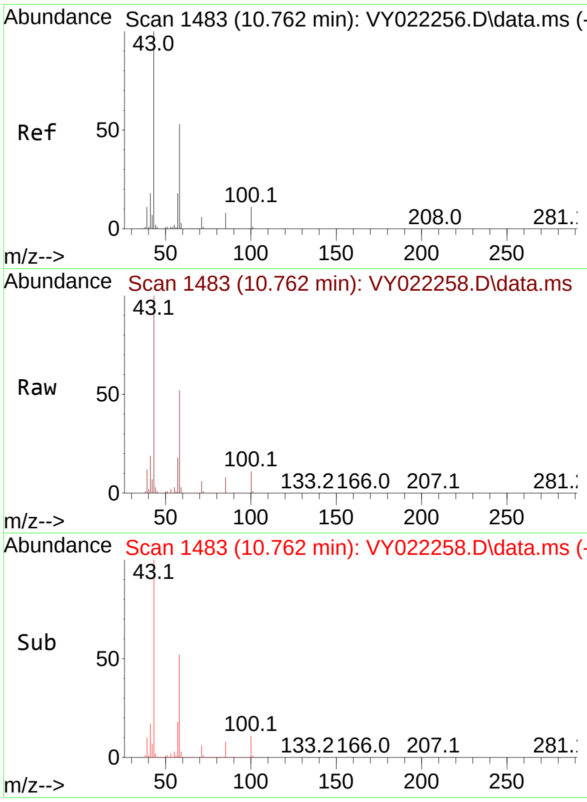


#58
2-Chloroethyl Vinyl ether
Concen: 898.675 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 1350536

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4





#59
2-Hexanone
Concen: 816.860 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 1227881

Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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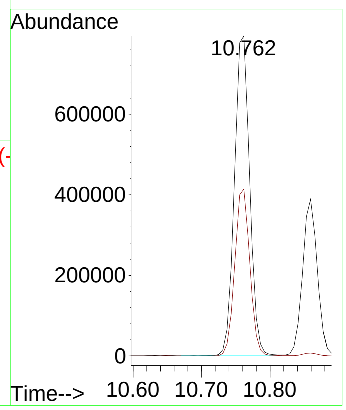
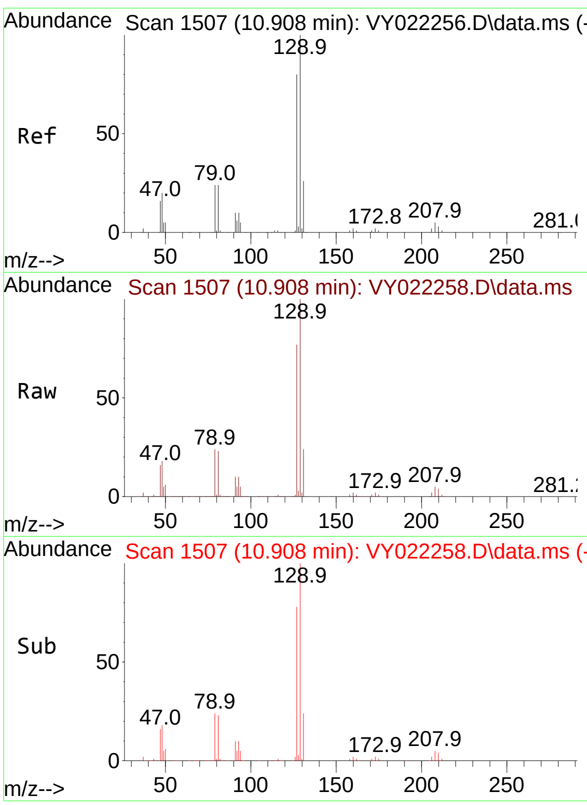
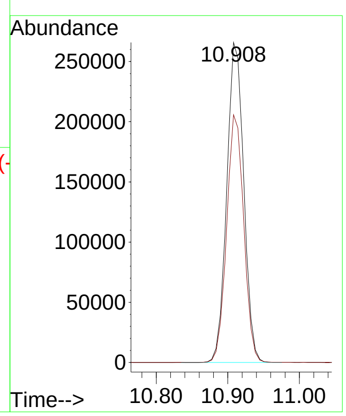




#60
Dibromochloromethane
Concen: 157.237 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:129 Resp: 438666

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7



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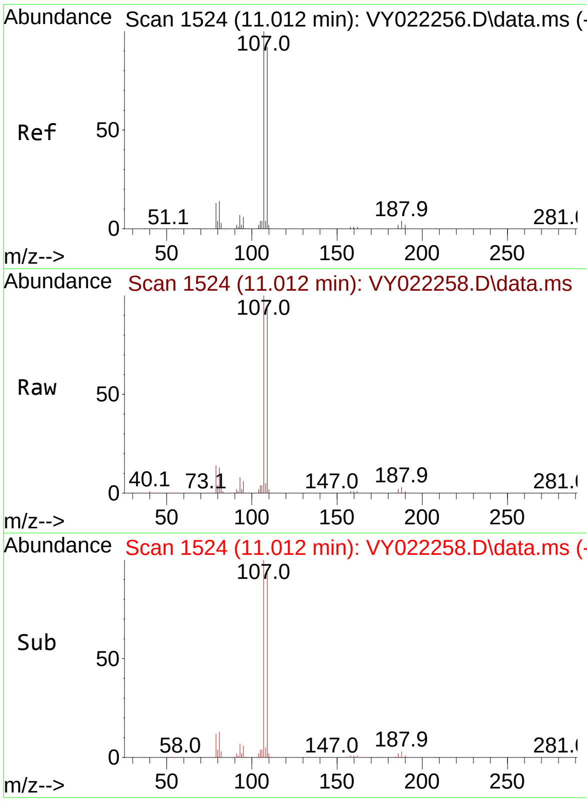

#61
1,2-Dibromoethane
Concen: 154.008 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 30852

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

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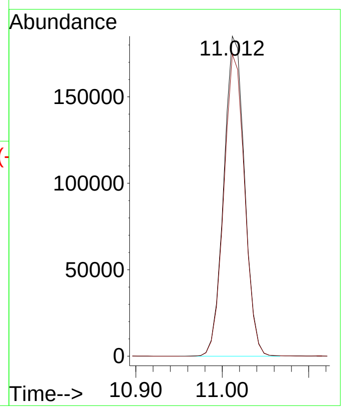
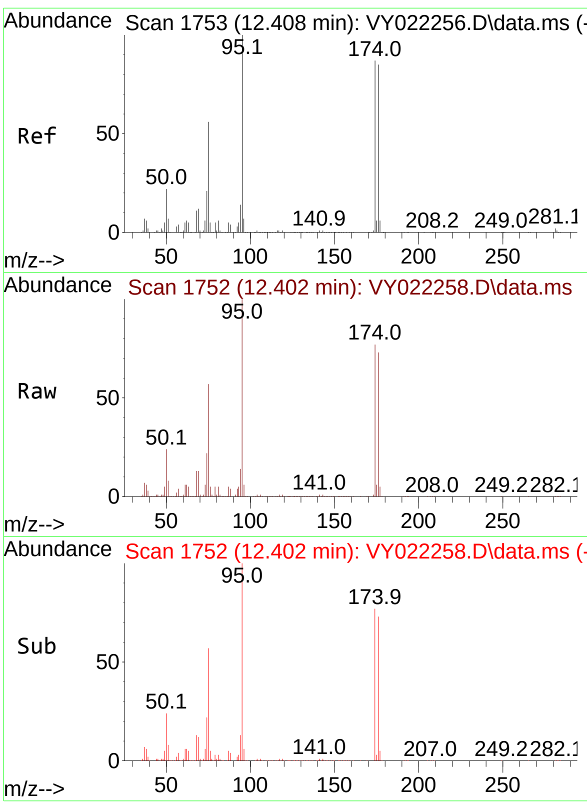
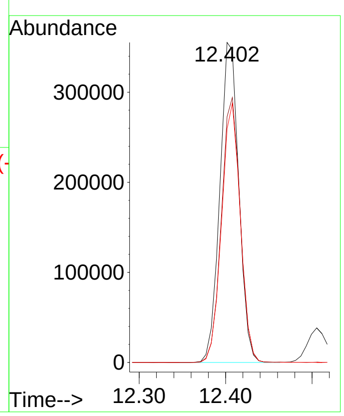




#62
4-Bromofluorobenzene
Concen: 157.751 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 95 Resp: 541367

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	166.8
176	79.8	0.0	160.8



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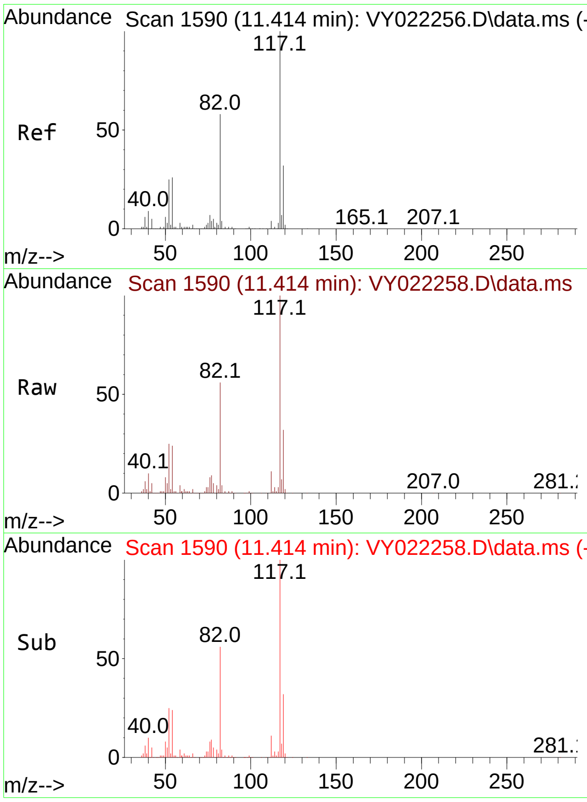

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 38976

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.6	70.0
119	32.0	25.8	38.6

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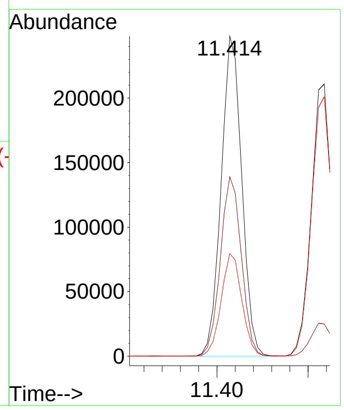
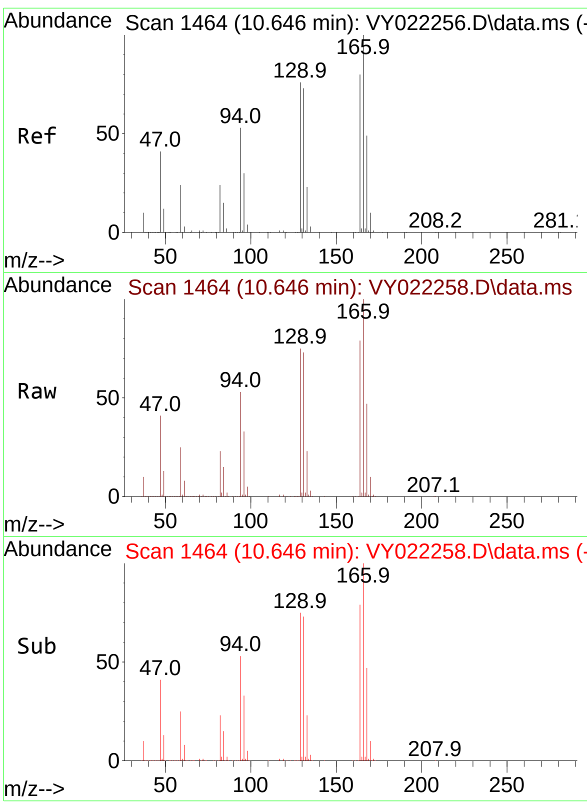
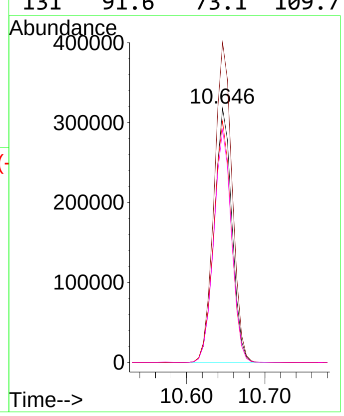


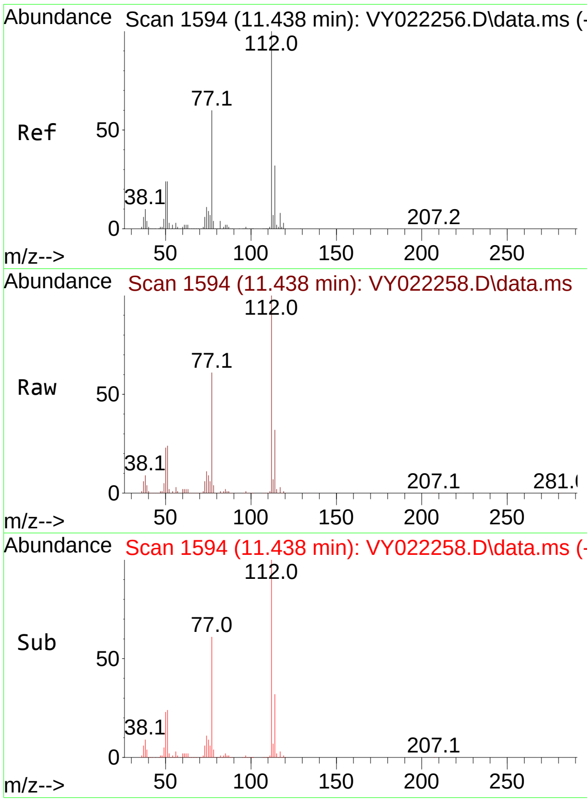


#64
Tetrachloroethene
Concen: 139.237 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:164 Resp: 501627

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.9	76.4	114.6
131	91.6	73.1	109.7





#65
Chlorobenzene
Concen: 151.997 ug/l
RT: 11.438 min Scan# 1!
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:112 Resp: 133659

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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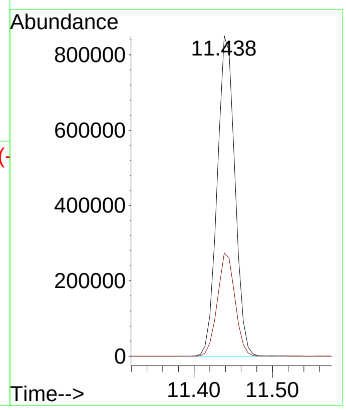
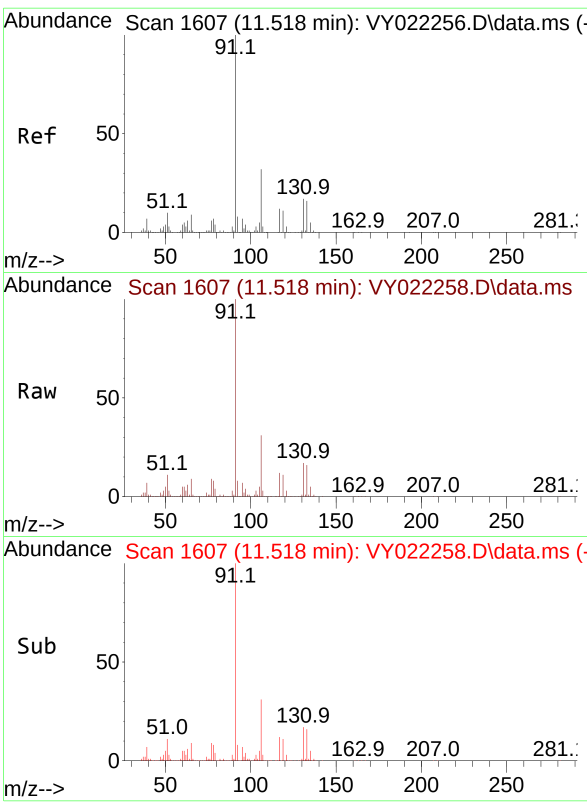
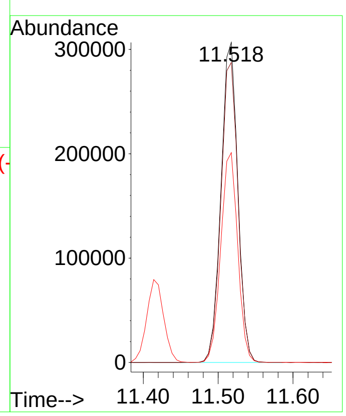


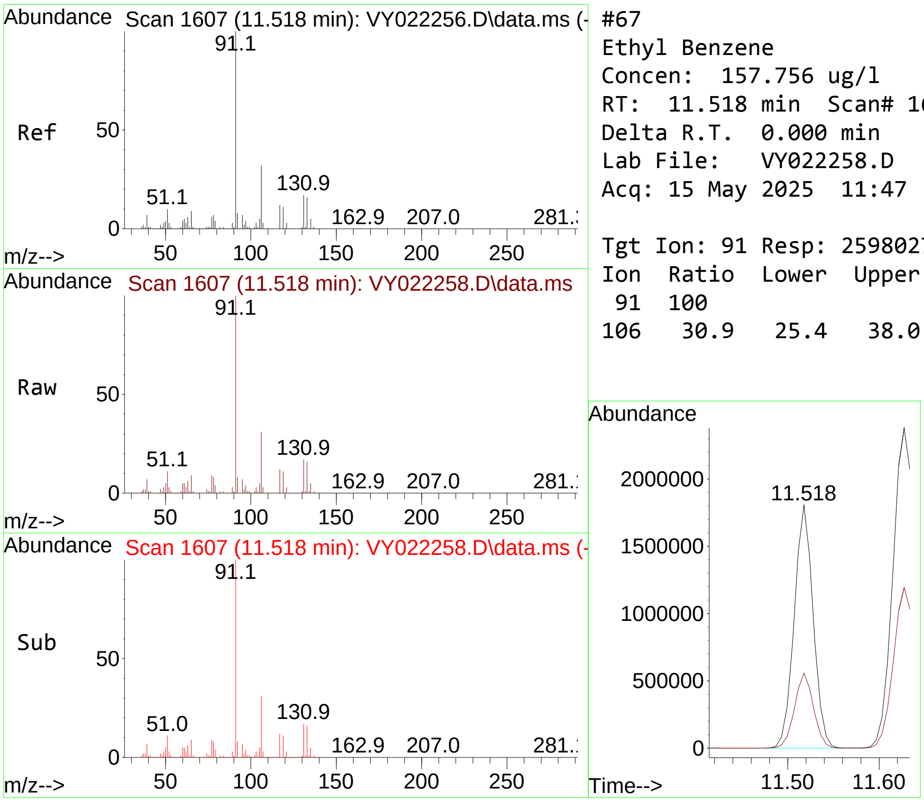


#66
1,1,1,2-Tetrachloroethane
Concen: 158.952 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:131 Resp: 480525

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.2	33.1	99.2





#67
Ethyl Benzene
Concen: 157.756 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 259802

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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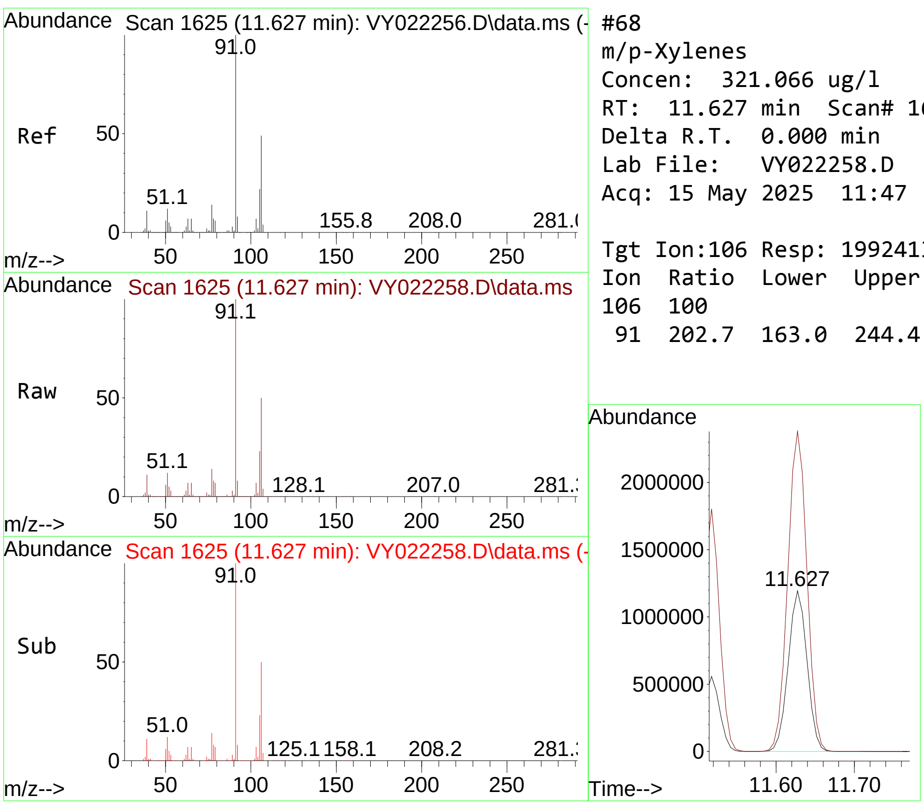
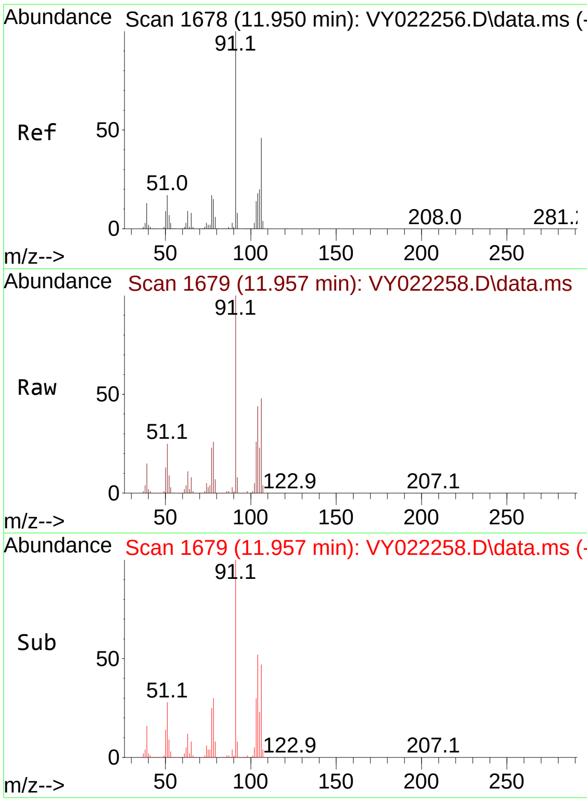


#68
m/p-Xylenes
Concen: 321.066 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:106 Resp: 1992413

Ion	Ratio	Lower	Upper
106	100		
91	202.7	163.0	244.4



#69
o-Xylene
Concen: 159.714 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument : MSVOA_Y
ClientSampleId : VSTDICC150

Tgt Ion:106 Resp: 937727

Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.3	324.8

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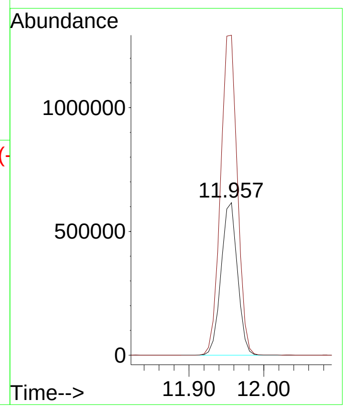
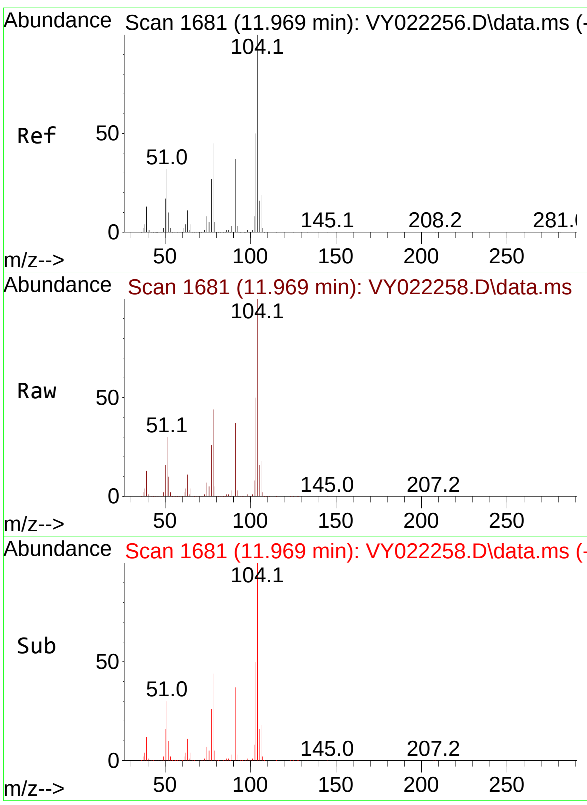
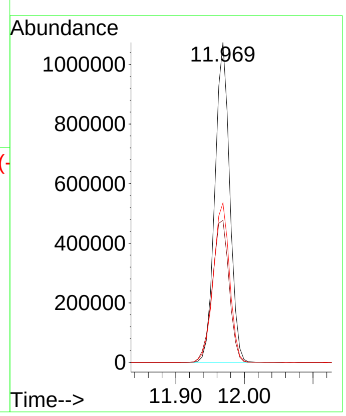




#70
Styrene
Concen: 162.944 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:104 Resp: 1613798

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.9	61.3
103	54.7	43.7	65.5



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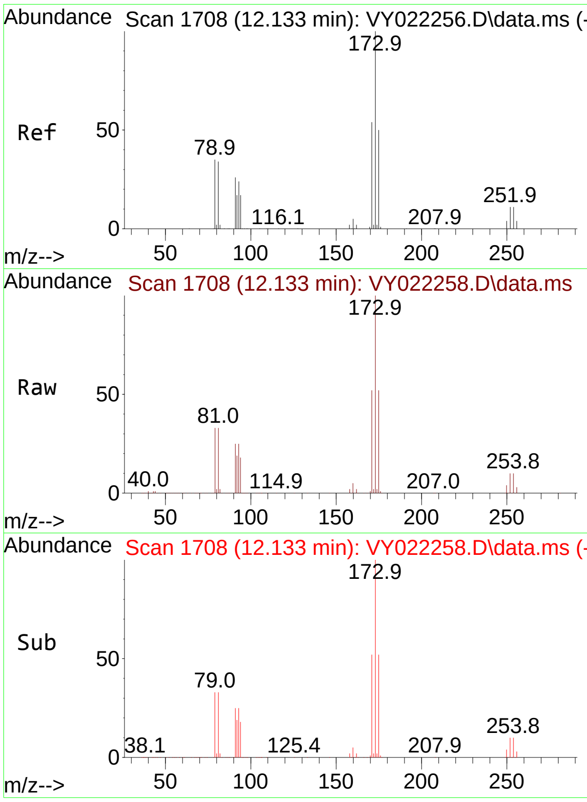

#71
Bromoform
Concen: 155.818 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 254251

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.0	0.0#

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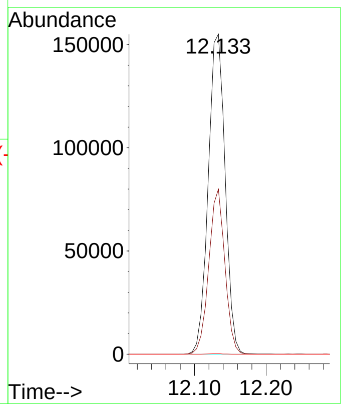
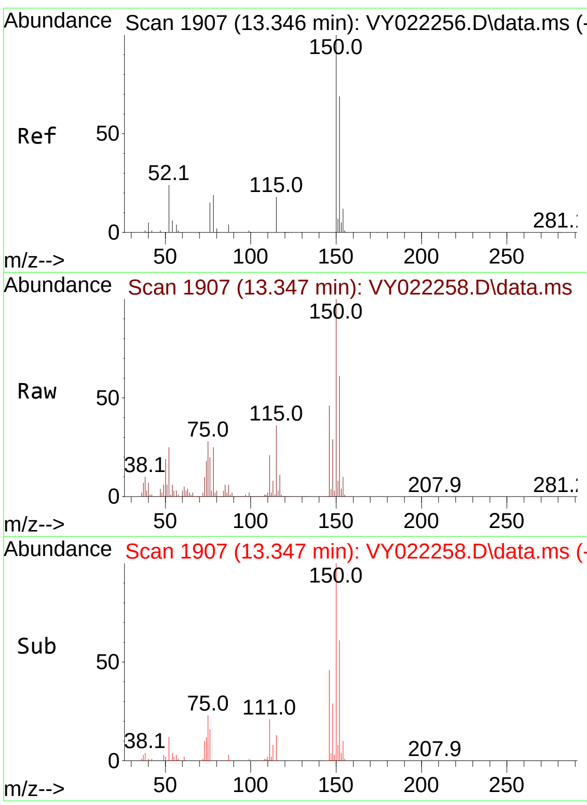
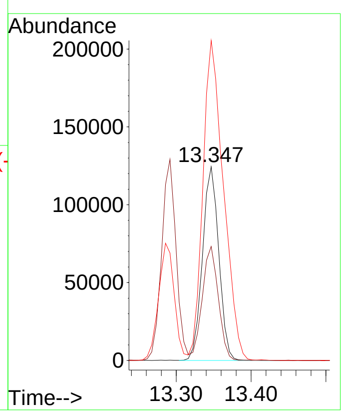




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:152 Resp: 187978

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	208.7	0.0	353.8



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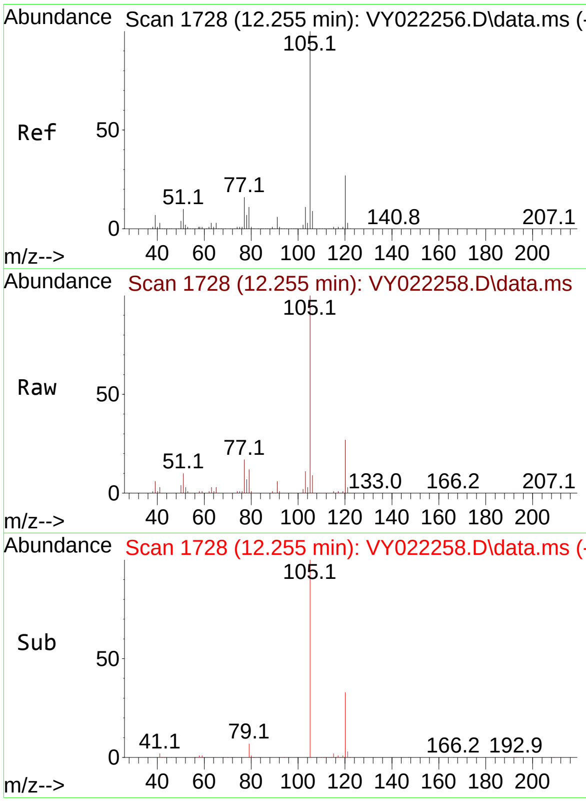

#73
Isopropylbenzene
Concen: 151.387 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 2357568

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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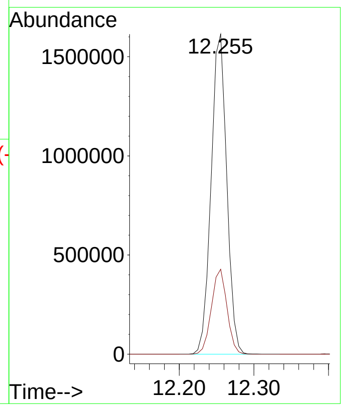
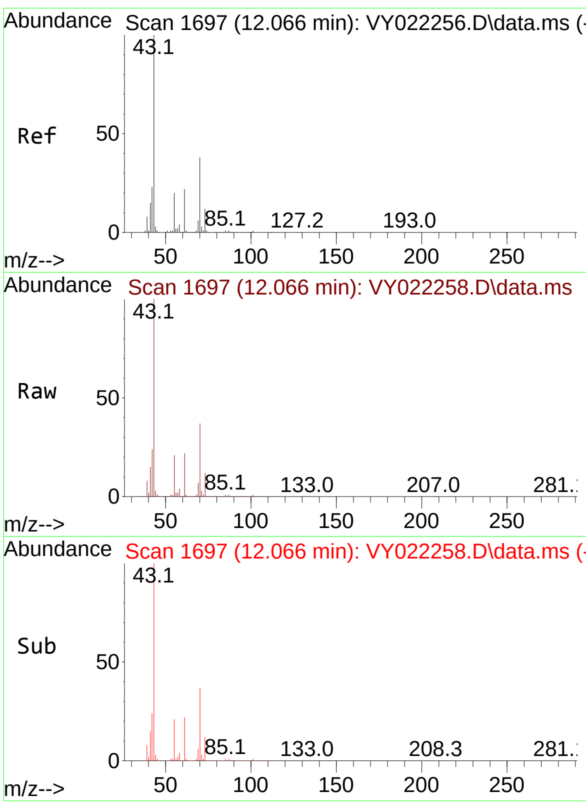
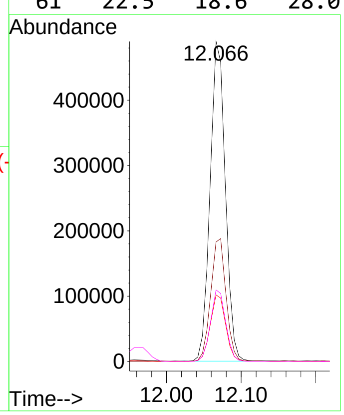




#74
N-amyl acetate
Concen: 156.041 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 694999

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.4	47.0
55	21.0	17.0	25.6
61	22.5	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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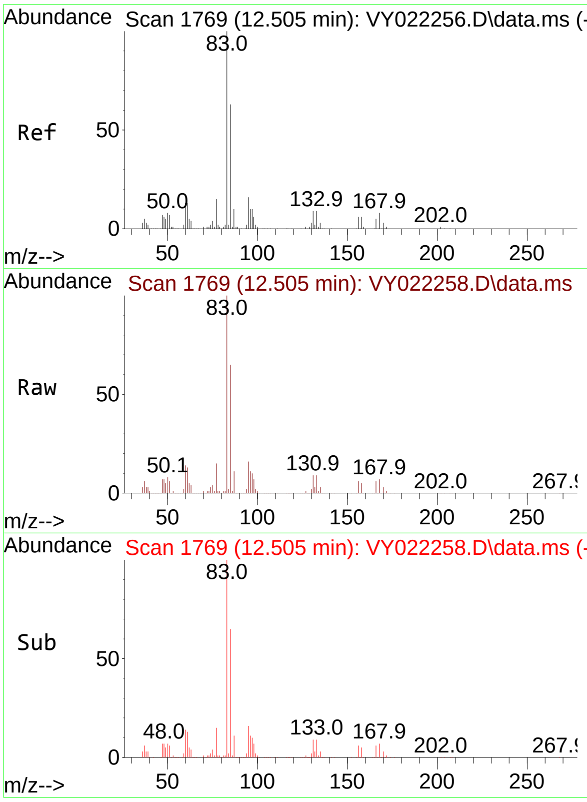
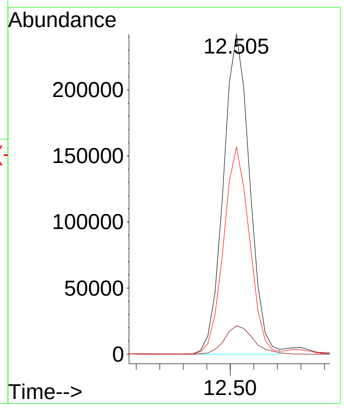
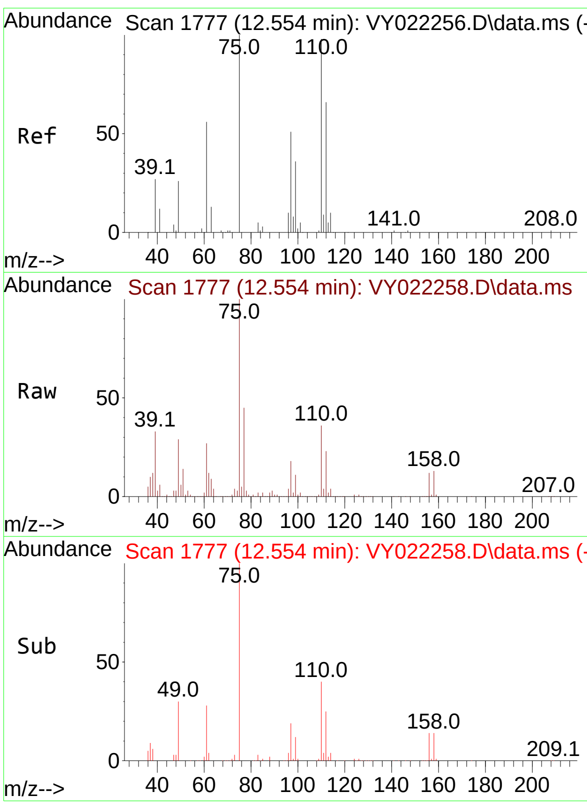



```
#75
1,1,2,2-Tetrachloroethane
Concen:  156.735 ug/l
RT:  12.505 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   VY022258.D
Acq: 15 May 2025  11:47

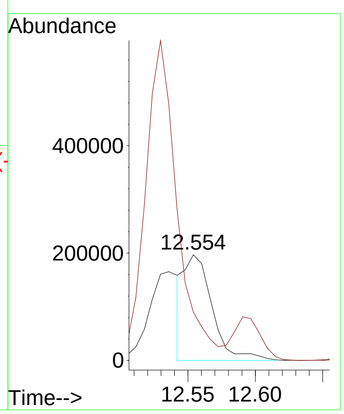
Tgt Ion: 83 Resp:  37537
Ion  Ratio  Lower  Upper
 83  100
131    9.8    4.9   14.7
 85   63.8   32.0   96.0
```



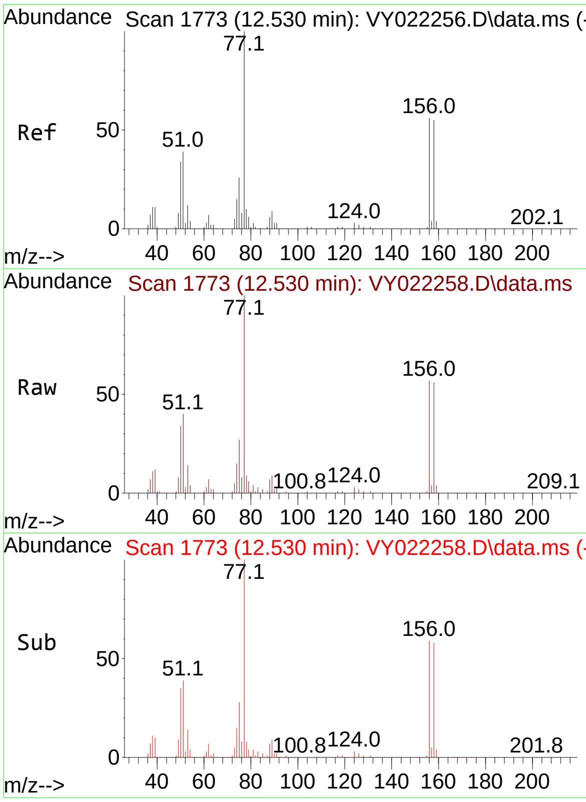



```
#76
1,2,3-Trichloropropane
Concen:   87.525 ug/l m
RT:  12.554 min  Scan# 1777
Delta R.T.  0.000 min
Lab File:   VY022258.D
Acq: 15 May 2025  11:47

Tgt Ion: 75 Resp:  289968
Ion  Ratio  Lower  Upper
 75  100
 77    0.0    0.0    0.0
```



ICAL Form



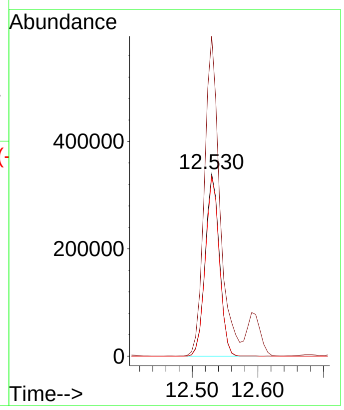
#77
Bromobenzene
Concen: 153.206 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

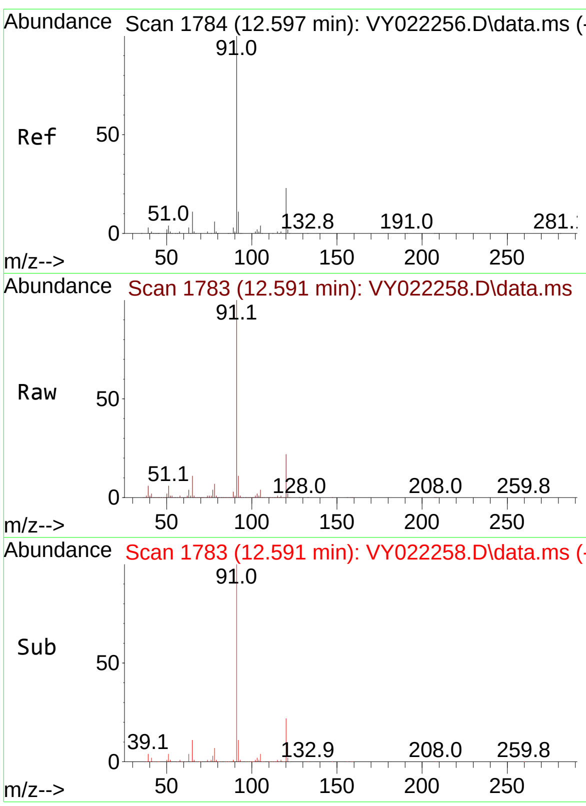
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 50957

Ion	Ratio	Lower	Upper
156	100		
77	191.5	94.5	283.6
158	97.3	48.4	145.3

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

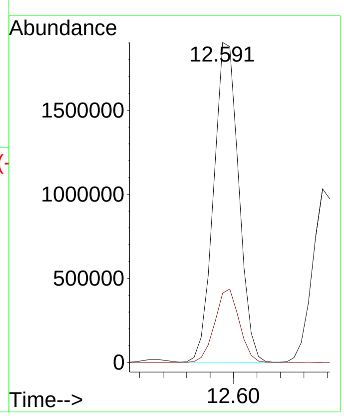


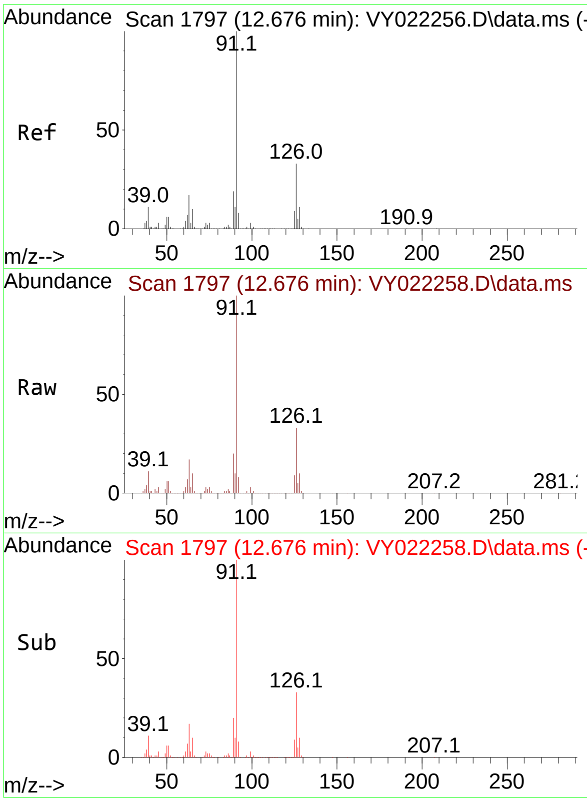


#78
n-propylbenzene
Concen: 150.276 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 2822794

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3





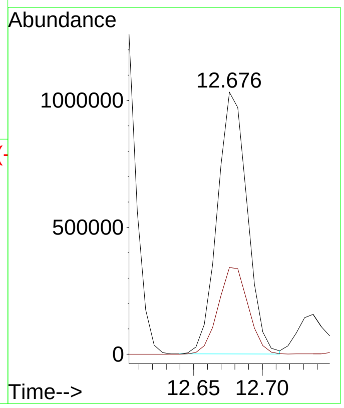
#79
2-Chlorotoluene
Concen: 151.415 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

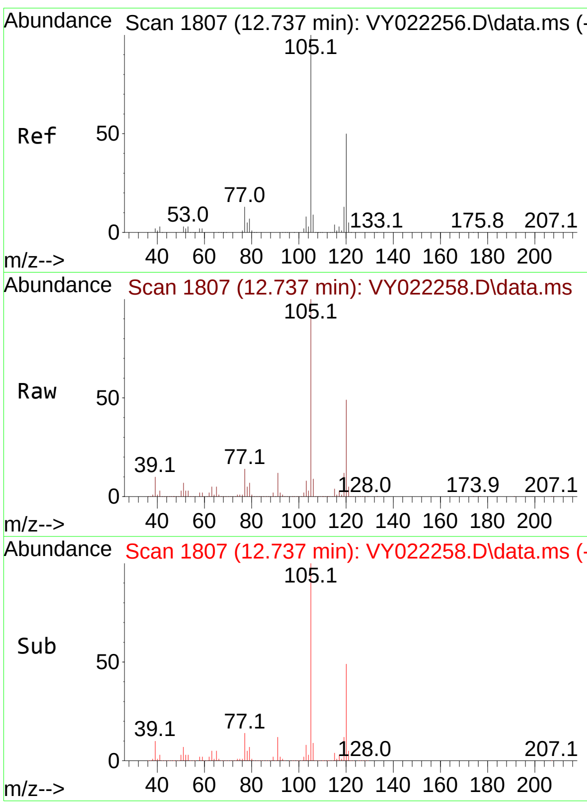
Tgt Ion: 91 Resp: 156300

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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

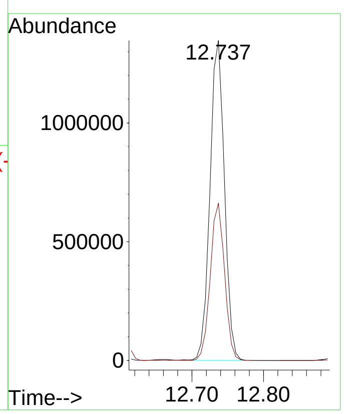




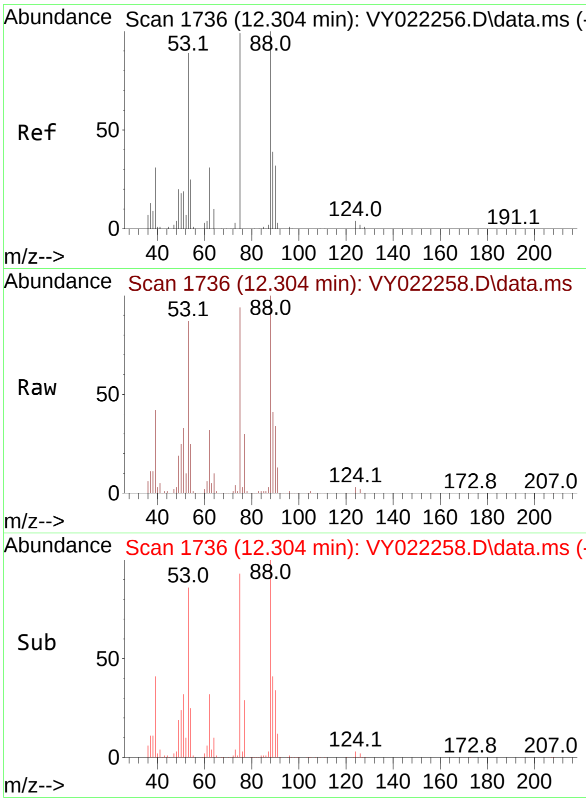
#80
1,3,5-Trimethylbenzene
Concen: 150.219 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1888432

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6



ICAL Form



#81
trans-1,4-Dichloro-2-butene
Concen: 148.846 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

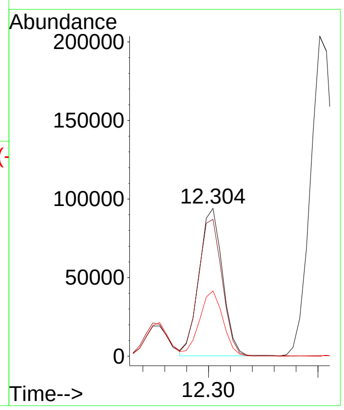
Tgt Ion: 75 Resp: 139931

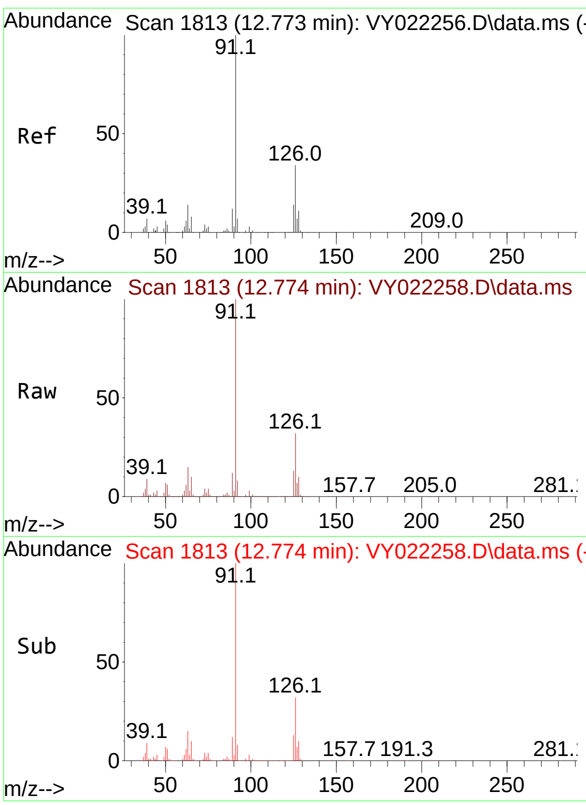
Ion	Ratio	Lower	Upper
75	100		
53	95.1	75.8	113.8
89	44.4	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

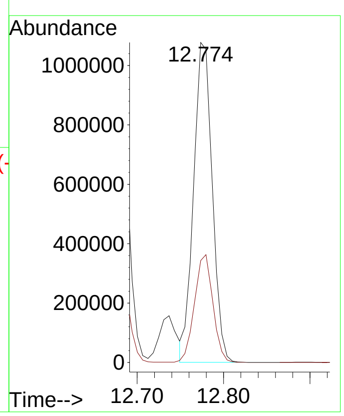




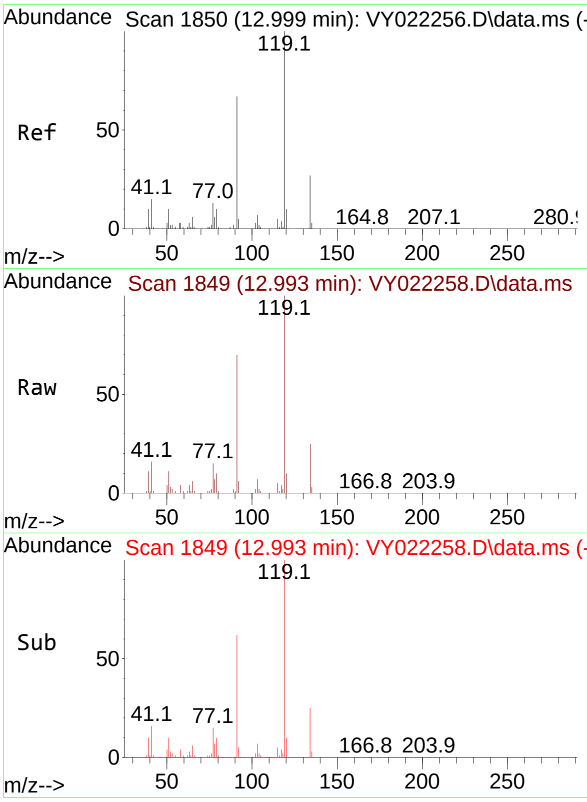
#82
4-Chlorotoluene
Concen: 152.250 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 1616520

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



ICAL Form



#83
tert-Butylbenzene
Concen: 152.144 ug/l
RT: 12.993 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

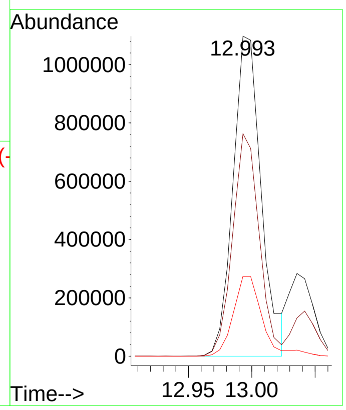
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

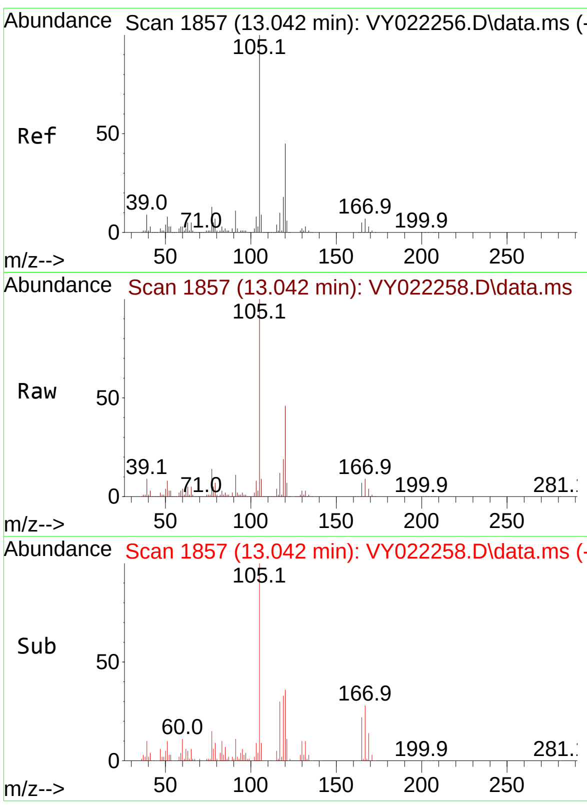
Tgt Ion:119 Resp: 169996

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.8	98.3
134	25.9	12.9	38.6

Manual Integrations APPROVED

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

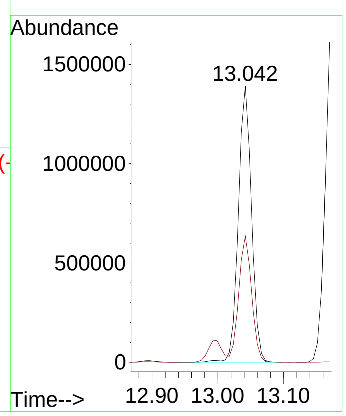




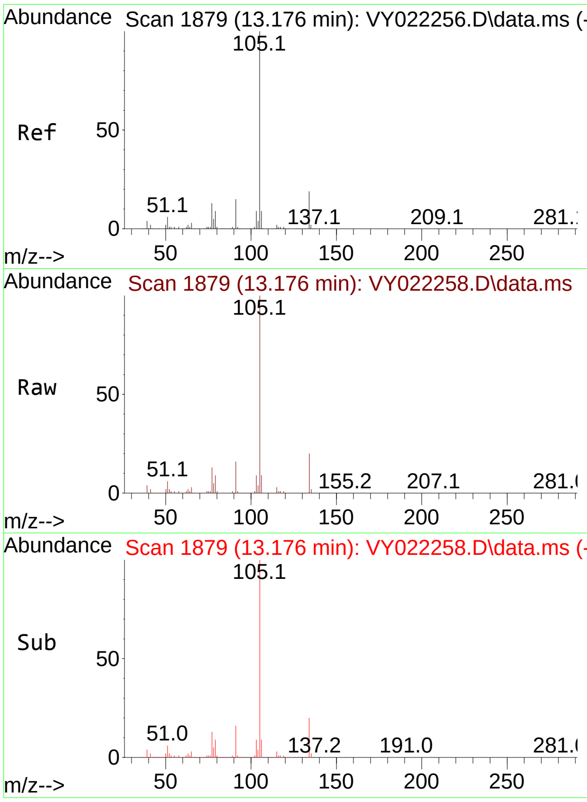
#84
1,2,4-Trimethylbenzene
Concen: 155.030 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1934641

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9



ICAL Form



#85
sec-Butylbenzene
Concen: 150.330 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

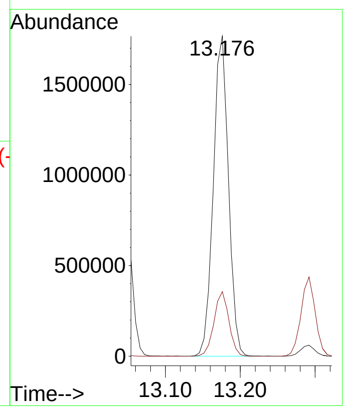
Tgt Ion:105 Resp: 249339

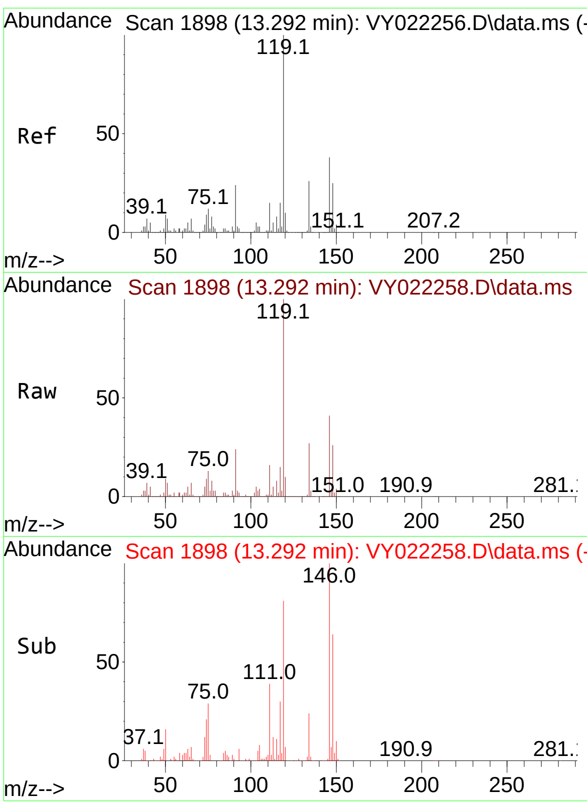
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

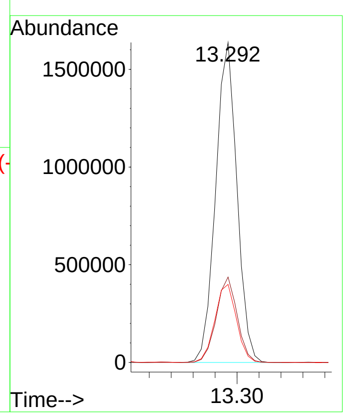




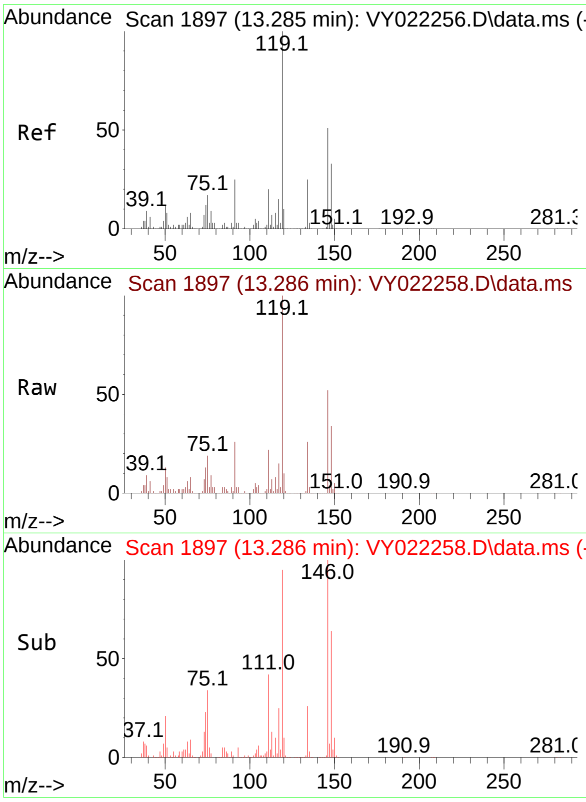
#86
p-Isopropyltoluene
Concen: 158.088 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:119 Resp: 2205275

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.8	12.1	36.3



ICAL Form



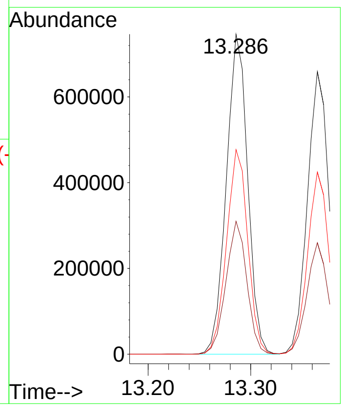
#87
1,3-Dichlorobenzene
Concen: 158.981 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

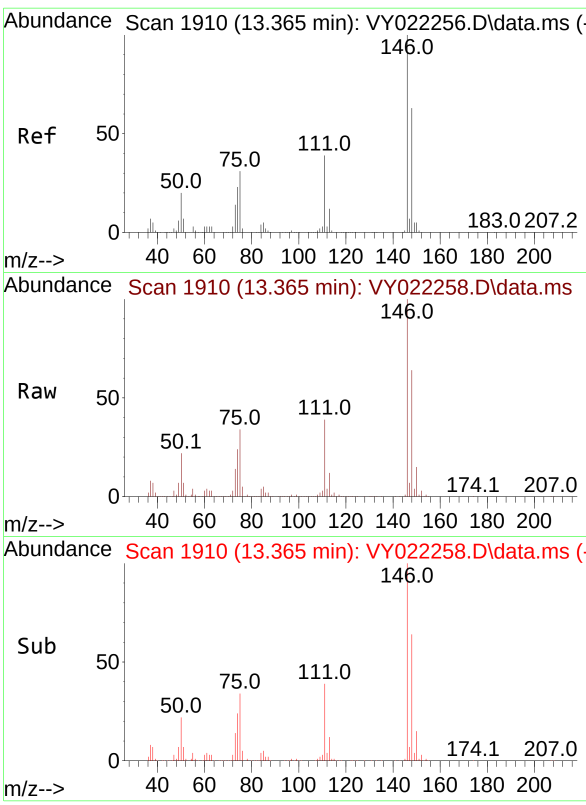
Tgt Ion:146 Resp: 107947

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.8	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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

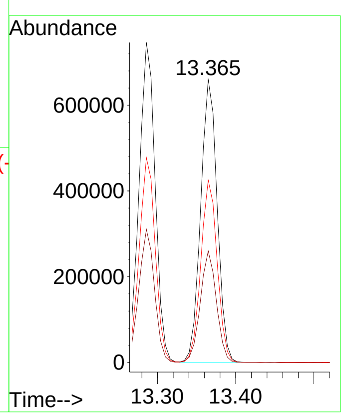




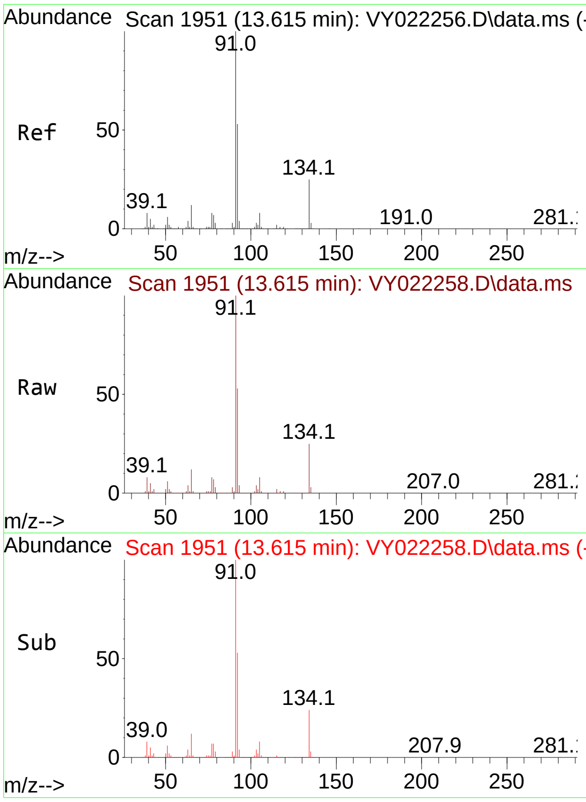
#88
1,4-Dichlorobenzene
Concen: 148.497 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 969874

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.9	32.1	96.5



ICAL Form



#89
n-Butylbenzene
Concen: 150.985 ug/l
RT: 13.615 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

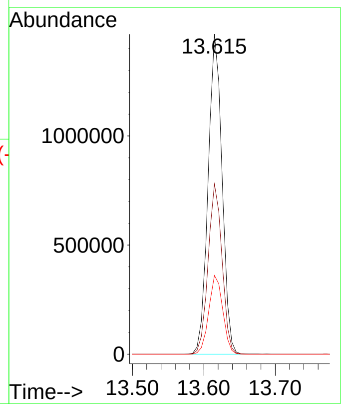
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

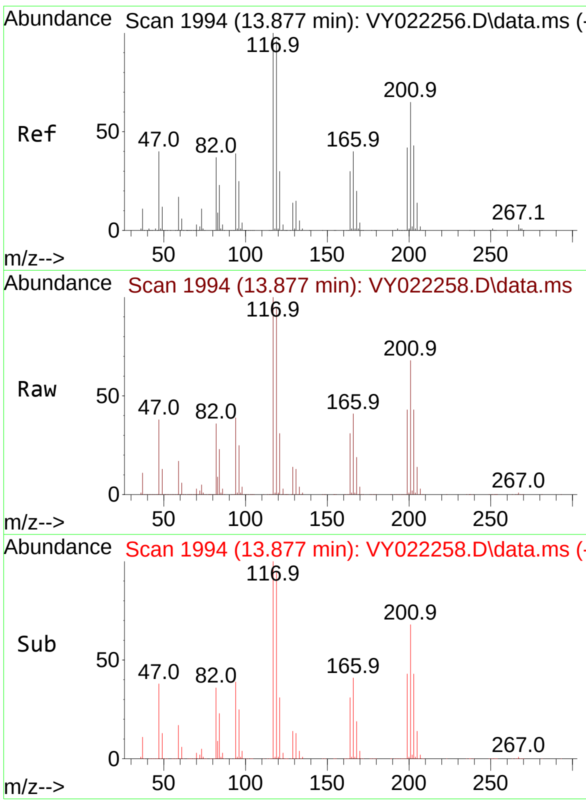
Tgt Ion: 91 Resp: 199255

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.8	12.4	37.4

Manual Integrations APPROVED

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

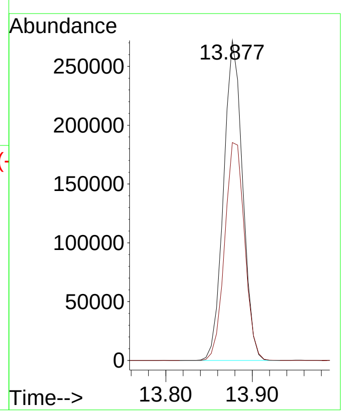




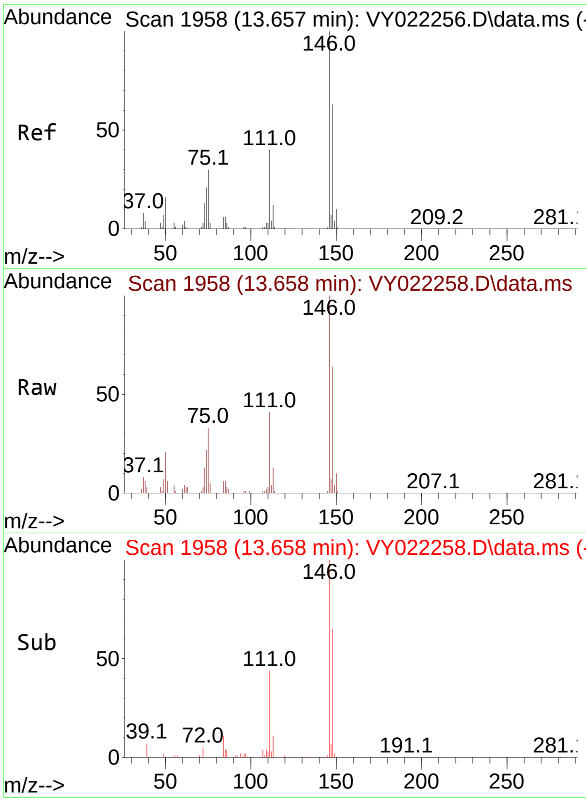
#90
Hexachloroethane
Concen: 148.208 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 417341

Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.2	105.6



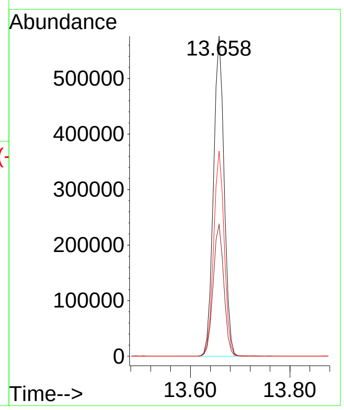
ICAL Form



#91
1,2-Dichlorobenzene
Concen: 150.565 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 85873

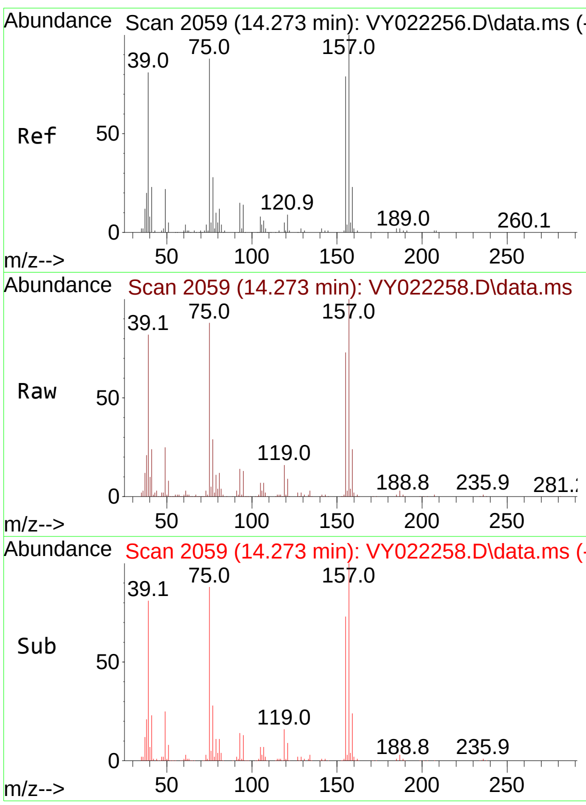
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

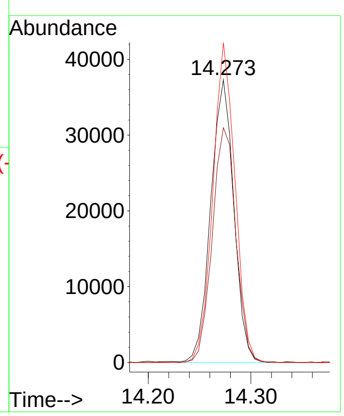
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



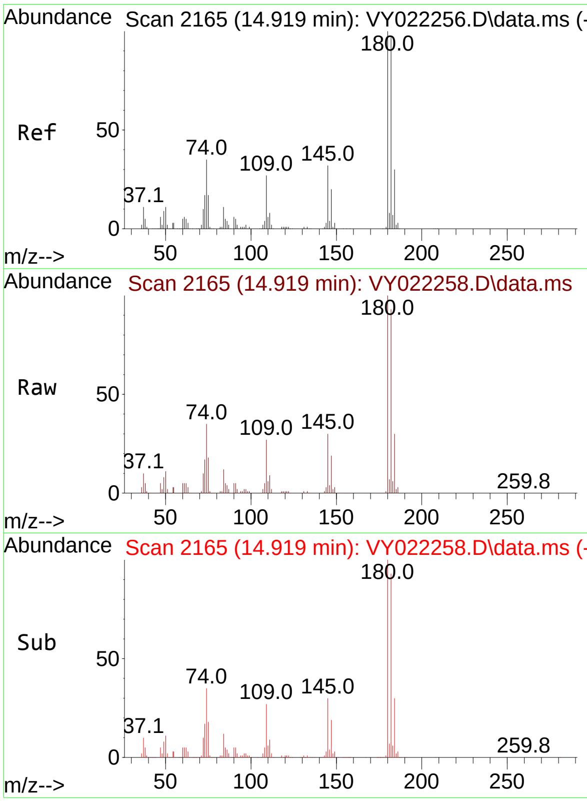
#92
1,2-Dibromo-3-Chloropropane
Concen: 151.172 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 58383

Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.4	130.1
157	108.4	54.6	163.9



ICAL Form



#93
1,2,4-Trichlorobenzene
Concen: 154.361 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

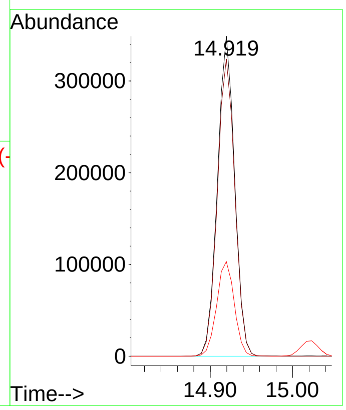
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

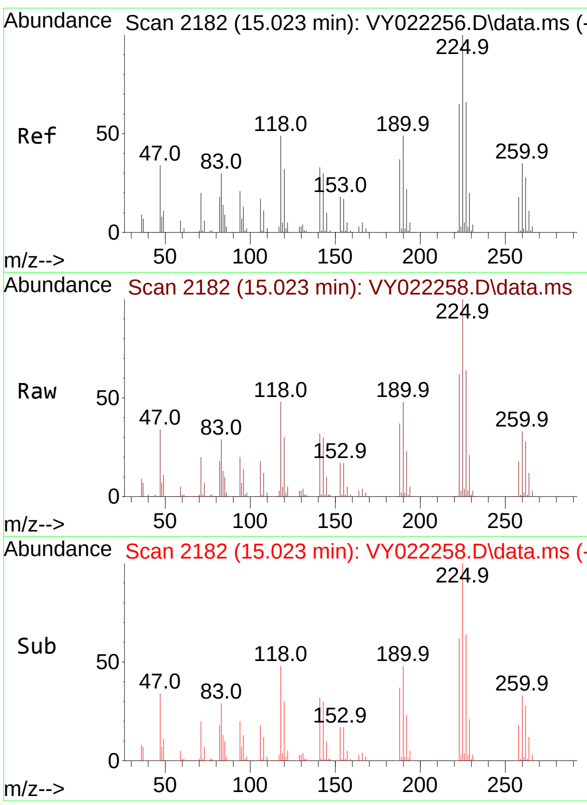
Tgt Ion:180 Resp: 50853

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	30.4	15.0	45.1

Manual Integrations APPROVED

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

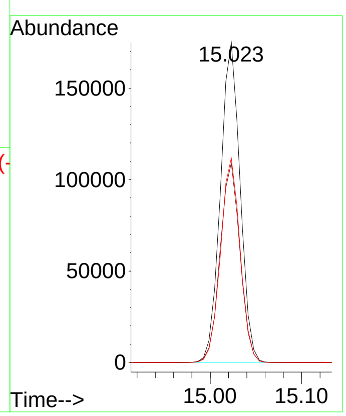




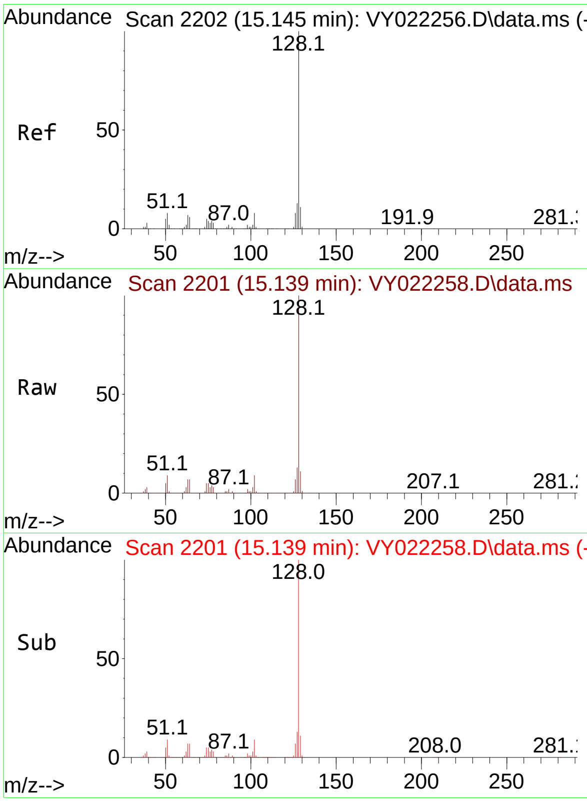
#94
Hexachlorobutadiene
Concen: 142.514 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:225 Resp: 261832

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	63.8	32.1	96.3



ICAL Form



#95
Naphthalene
Concen: 156.653 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

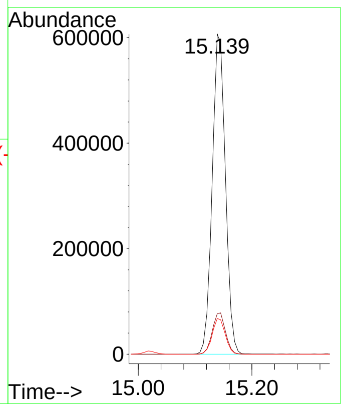
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

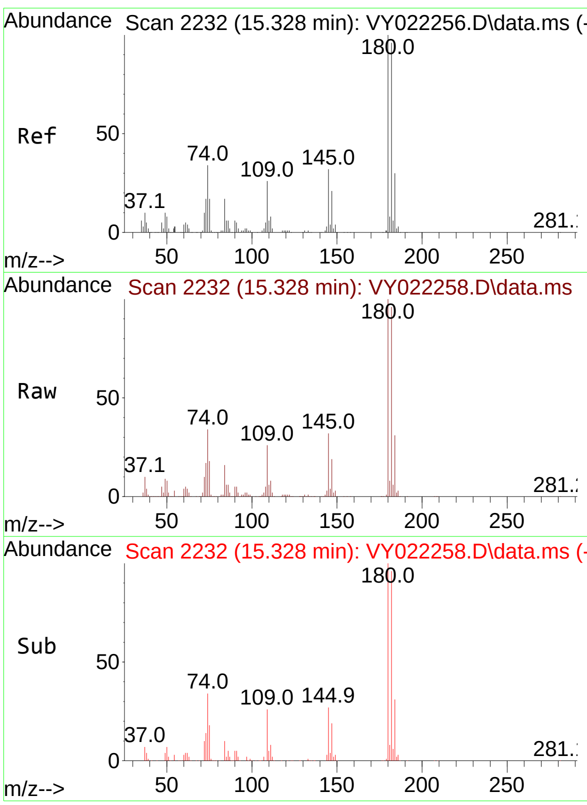
Tgt Ion:128 Resp: 97936

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations APPROVED

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

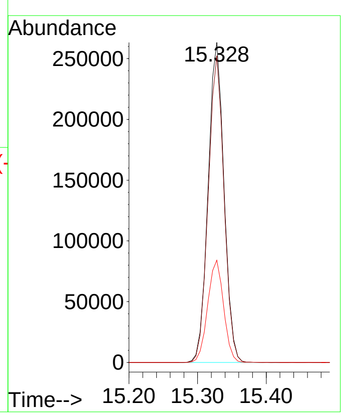




#96
1,2,3-Trichlorobenzene
Concen: 152.509 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:180 Resp: 426231

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.9	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : ICVVY051525

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

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	252715	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428969	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	375548	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178387	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	143909	52.104 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%		
35) Dibromofluoromethane	7.634	113	132263	51.658 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%		
50) Toluene-d8	10.109	98	537188	51.229 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%		
62) 4-Bromofluorobenzene	12.408	95	169575	51.020 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	130352	49.432 ug/l	97
3) Chloromethane	2.068	50	270248	48.719 ug/l	98
4) Vinyl Chloride	2.202	62	316755	51.111 ug/l	99
5) Bromomethane	2.598	94	244611	48.486 ug/l	99
6) Chloroethane	2.732	64	205247	53.234 ug/l	99
7) Trichlorofluoromethane	3.056	101	321098	51.174 ug/l	99
8) Diethyl Ether	3.458	74	78386	52.055 ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	140460	51.564 ug/l	100
10) Methyl Iodide	4.007	142	156397	49.606 ug/l	99
11) Tert butyl alcohol	4.872	59	55922	265.144 ug/l #	100
12) 1,1-Dichloroethene	3.793	96	139180	51.487 ug/l	98
13) Acrolein	3.653	56	73495	238.362 ug/l	98
14) Allyl chloride	4.378	41	250342	52.817 ug/l	100
15) Acrylonitrile	5.055	53	164507	265.134 ug/l	99
16) Acetone	3.872	43	130848	252.660 ug/l	99
17) Carbon Disulfide	4.104	76	456302	51.765 ug/l	99
18) Methyl Acetate	4.385	43	97091	59.461 ug/l	98
19) Methyl tert-butyl Ether	5.116	73	395753	53.096 ug/l	99
20) Methylene Chloride	4.610	84	158275	47.298 ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	153819	51.552 ug/l	98
22) Diisopropyl ether	6.018	45	521343	52.085 ug/l	99
23) Vinyl Acetate	5.957	43	1530507	253.098 ug/l	99
24) 1,1-Dichloroethane	5.915	63	288933	51.668 ug/l	97
25) 2-Butanone	6.896	43	221702	255.929 ug/l	97
26) 2,2-Dichloropropane	6.884	77	259587	52.191 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	180695	52.479 ug/l	100
28) Bromochloromethane	7.250	49	124761	52.305 ug/l	99
29) Tetrahydrofuran	7.262	42	147603	264.847 ug/l	99
30) Chloroform	7.421	83	283264	52.810 ug/l	100
31) Cyclohexane	7.701	56	271949	48.673 ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	253549	51.523 ug/l	99
36) 1,1-Dichloropropene	7.835	75	212786	50.457 ug/l	99
37) Ethyl Acetate	6.982	43	102740	50.633 ug/l	98
38) Carbon Tetrachloride	7.817	117	220636	50.543 ug/l	98
39) Methylcyclohexane	9.109	83	283373	50.015 ug/l	98
40) Benzene	8.079	78	646289	51.696 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.244	41	72143m	53.599 ug/l	
42) 1,2-Dichloroethane	8.158	62	175241	51.834 ug/l	100
43) Isopropyl Acetate	8.195	43	227521	51.415 ug/l #	89
44) Trichloroethene	8.865	130	156468	50.335 ug/l	96
45) 1,2-Dichloropropane	9.140	63	154975	51.417 ug/l	99
46) Dibromomethane	9.231	93	83597	51.423 ug/l	100
47) Bromodichloromethane	9.426	83	221446	52.508 ug/l	99
48) Methyl methacrylate	9.219	41	106283	51.357 ug/l	98
49) 1,4-Dioxane	9.231	88	18521	1008.479 ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	567722	261.463 ug/l	99
52) Toluene	10.170	92	406420	51.337 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	211790	51.458 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	244811	51.916 ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	106464	51.142 ug/l	99
56) Ethyl methacrylate	10.438	69	164207	50.639 ug/l	99
57) 1,3-Dichloropropane	10.719	76	191889	51.880 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	394587	271.104 ug/l	100
59) 2-Hexanone	10.761	43	375224	257.738 ug/l	100
60) Dibromochloromethane	10.914	129	141652	52.425 ug/l	99
61) 1,2-Dibromoethane	11.018	107	99783	51.428 ug/l	99
64) Tetrachloroethene	10.646	164	162818	46.905 ug/l	99
65) Chlorobenzene	11.444	112	422170	49.827 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	144636	49.656 ug/l	99
67) Ethyl Benzene	11.517	91	794978	50.100 ug/l	99
68) m/p-Xylenes	11.627	106	604420	101.087 ug/l	99
69) o-Xylene	11.956	106	286712	50.682 ug/l	98
70) Styrene	11.969	104	481621	50.471 ug/l	99
71) Bromoform	12.133	173	80216	51.022 ug/l #	100
73) Isopropylbenzene	12.255	105	738398	49.964 ug/l	100
74) N-amyl acetate	12.072	43	210510	49.805 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120599	53.062 ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	96804m	53.564 ug/l	
77) Bromobenzene	12.536	156	155843	49.374 ug/l	97
78) n-propylbenzene	12.596	91	896555	50.296 ug/l	100
79) 2-Chlorotoluene	12.682	91	491073	50.130 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	592100	49.632 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	43921	49.231 ug/l	99
82) 4-Chlorotoluene	12.779	91	510451	50.661 ug/l	100
83) tert-Butylbenzene	12.999	119	527140	49.715 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	598450	50.535 ug/l	99
85) sec-Butylbenzene	13.176	105	787000	50.000 ug/l	100
86) p-Isopropyltoluene	13.291	119	664795	50.219 ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	320357	49.718 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	307847	49.669 ug/l	98
89) n-Butylbenzene	13.621	91	631222	50.402 ug/l	100
90) Hexachloroethane	13.883	117	132281	49.502 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	270373	49.954 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18335	50.028 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	152548	48.794 ug/l	99
94) Hexachlorobutadiene	15.023	225	83287	47.770 ug/l	99
95) Naphthalene	15.145	128	287276	48.421 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	127466	48.060 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

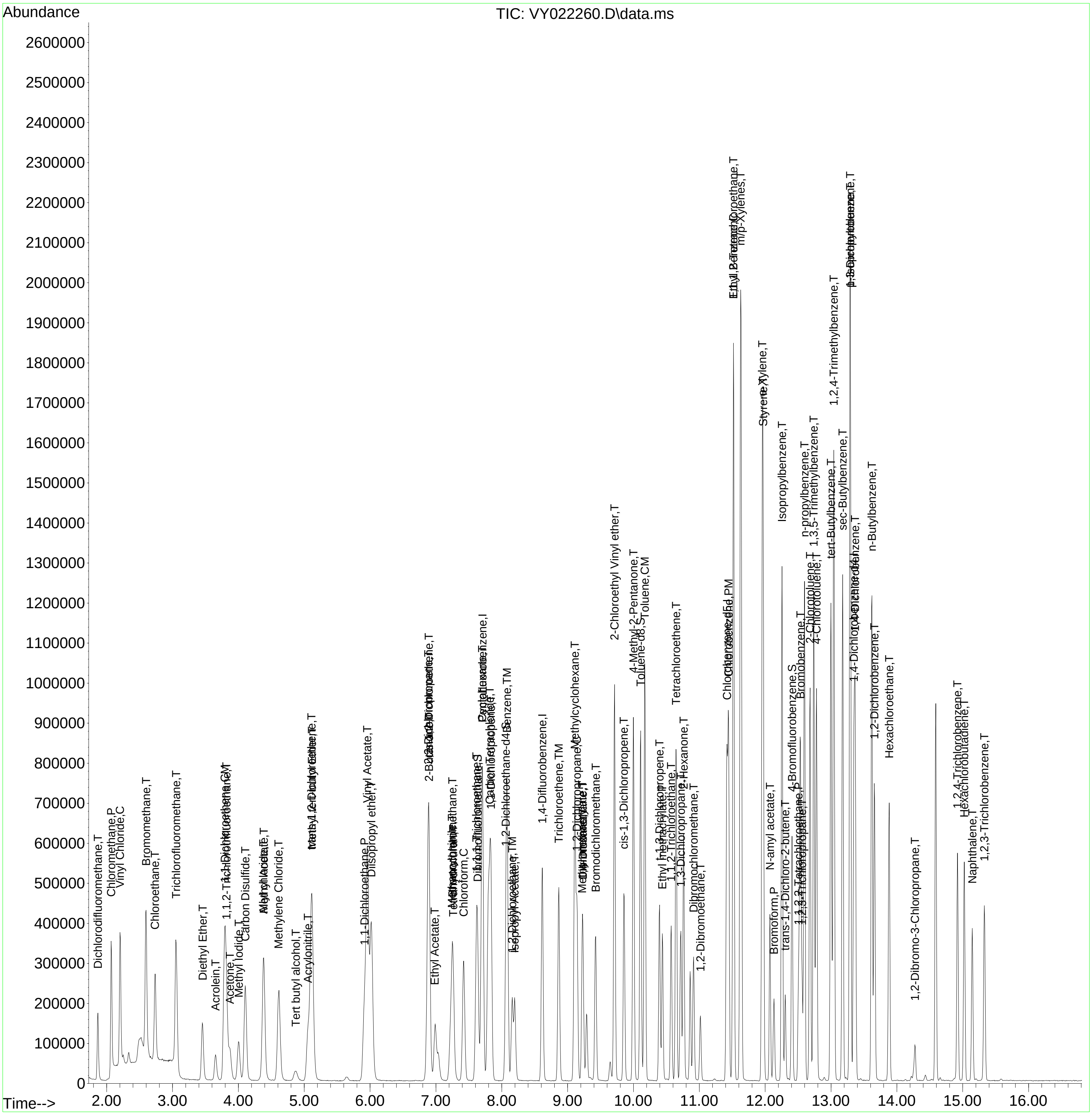
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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

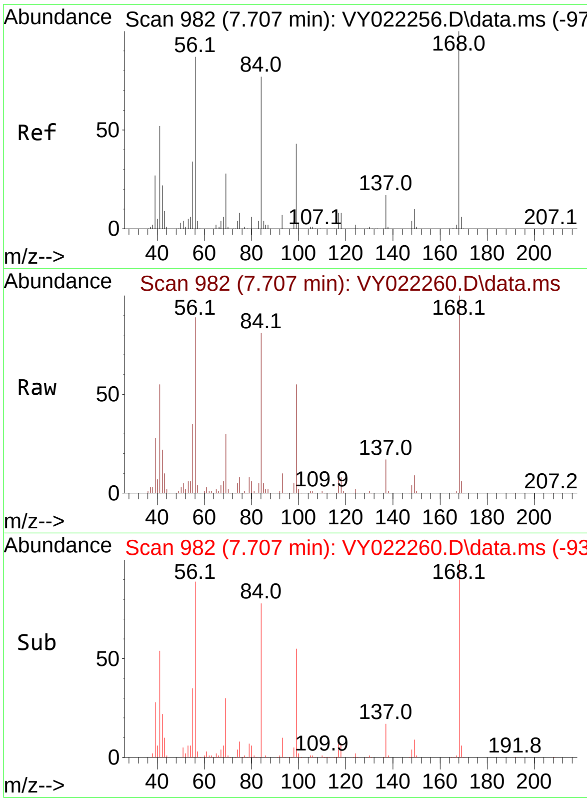


ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

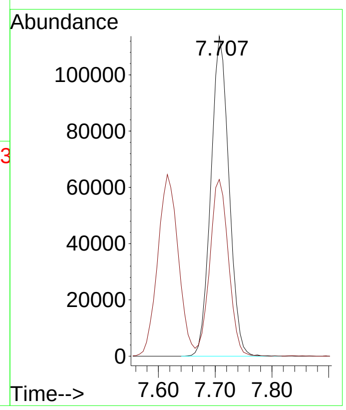
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

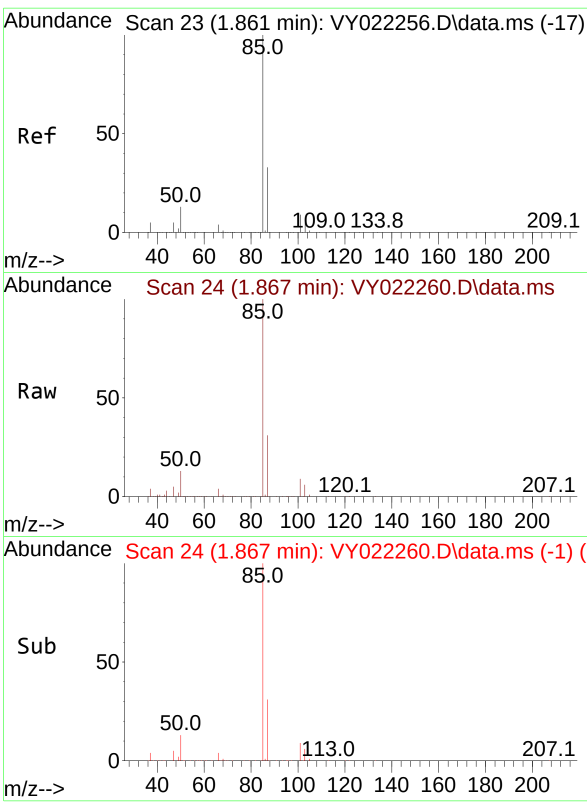


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:168 Resp: 25271

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4

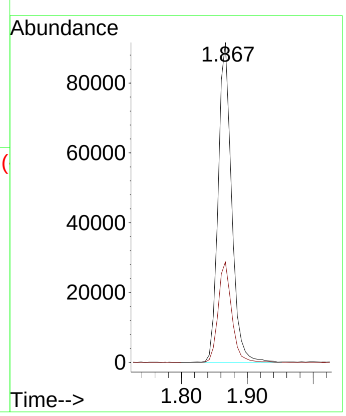




#2
Dichlorodifluoromethane
Concen: 49.432 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 85 Resp: 130352

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.5	49.5



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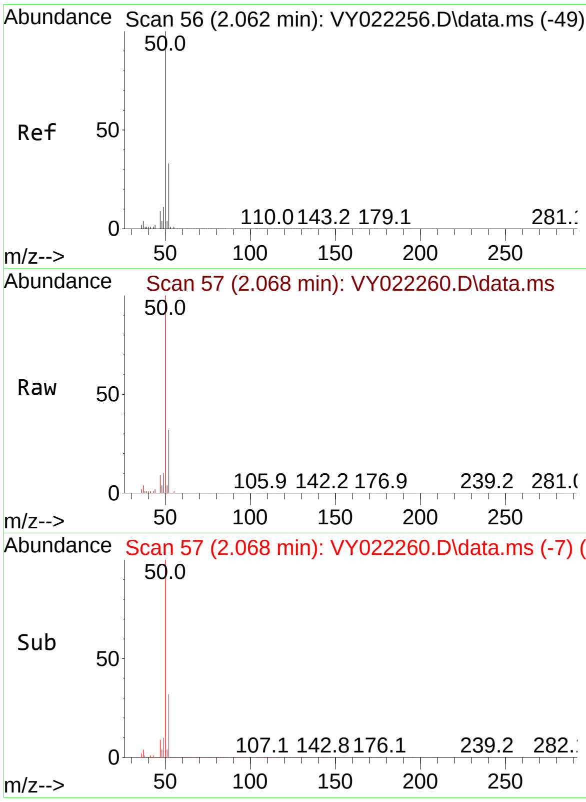


#3
Chloromethane
Concen: 48.719 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

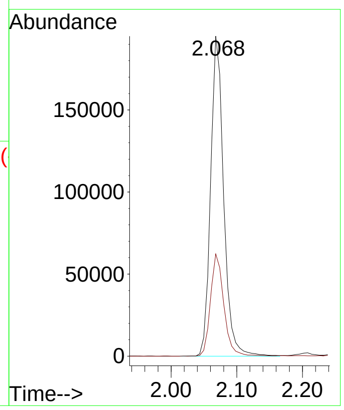
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

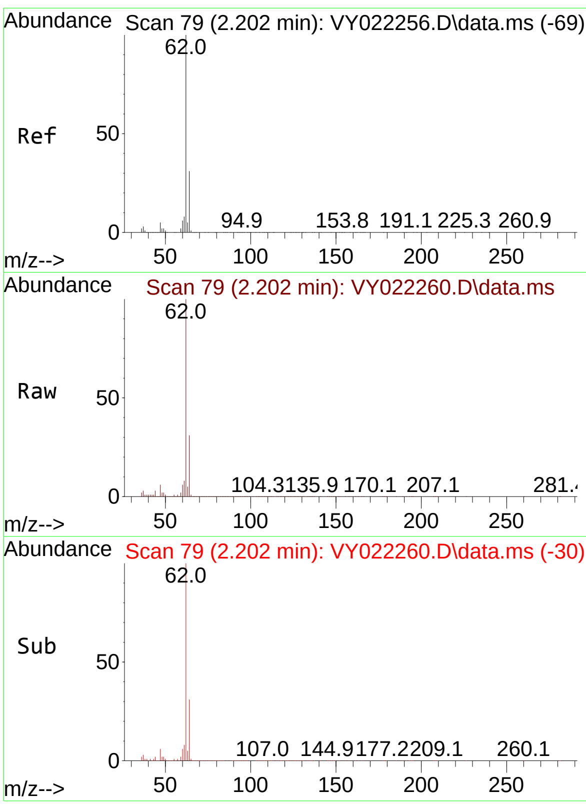
Tgt Ion: 50 Resp: 27024

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.5	39.7

Manual Integrations APPROVED

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

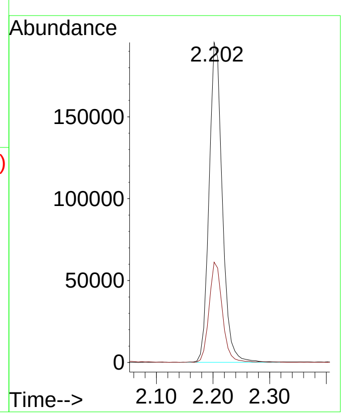




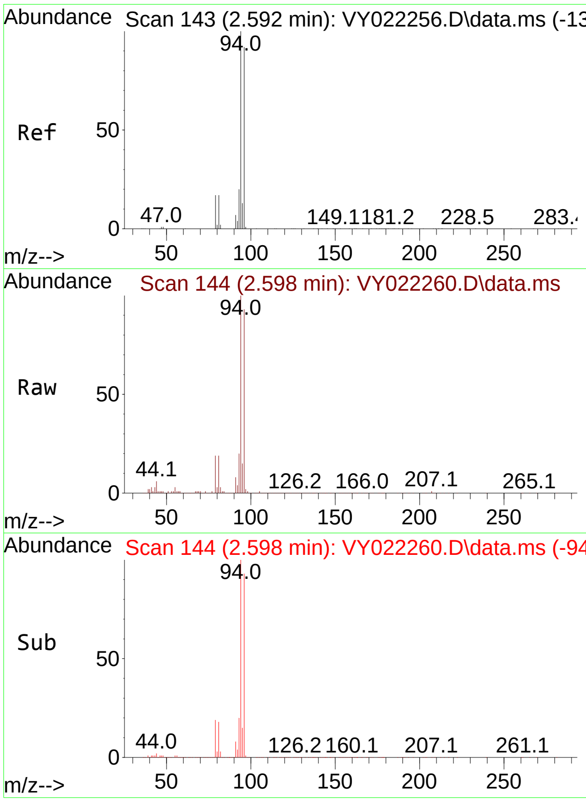
#4
Vinyl Chloride
Concen: 51.111 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 316755

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.5	36.7



ICAL Form



#5
Bromomethane
Concen: 48.486 ug/l
RT: 2.598 min   Scan# 14
Delta R.T.   0.006 min
Lab File: VY022260.D
Acq: 15 May 2025   13:20

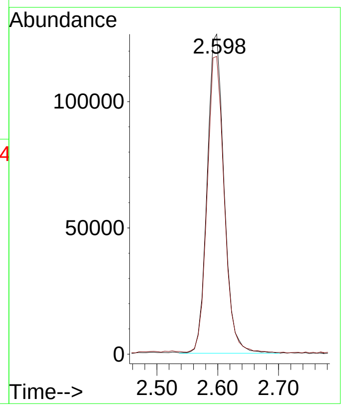
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

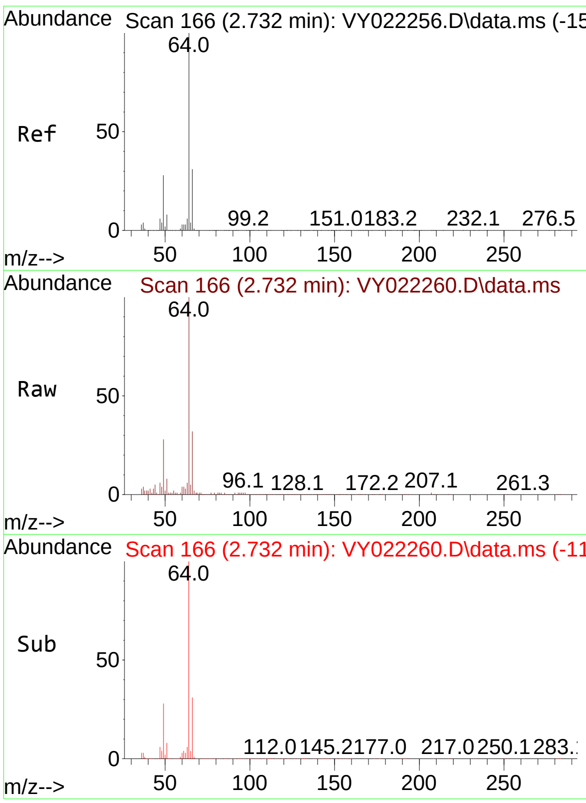
Tgt Ion: 94 Resp: 24461

Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.4	110.0

Manual Integrations APPROVED

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

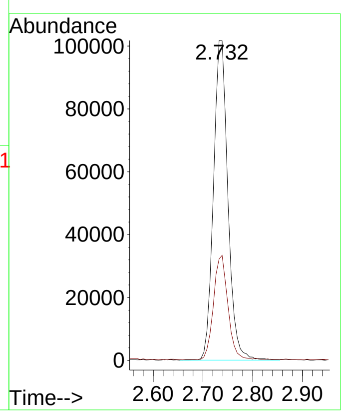




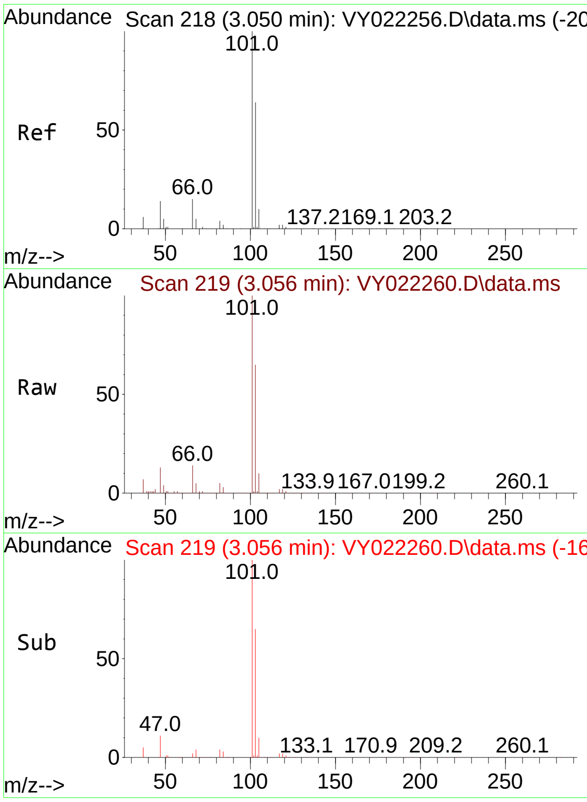
#6
Chloroethane
Concen: 53.234 ug/l
RT: 2.732 min   Scan# 166
Delta R.T.   -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025   13:20

Tgt Ion: 64 Resp: 205247

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.8	37.2



ICAL Form



#7
Trichlorofluoromethane
Concen: 51.174 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

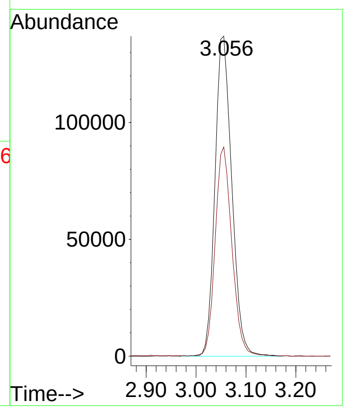
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

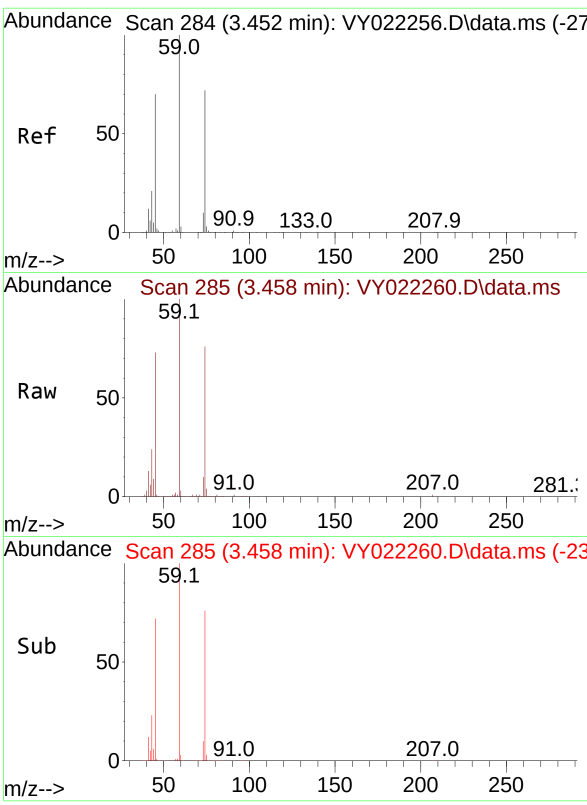
Tgt Ion:101 Resp: 32109

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.7	77.5

Manual Integrations APPROVED

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

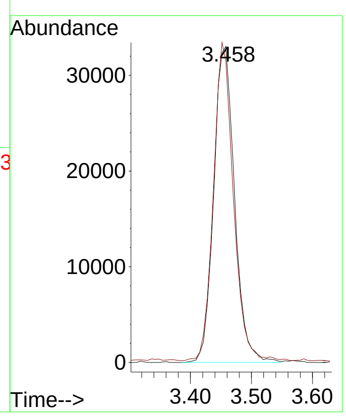




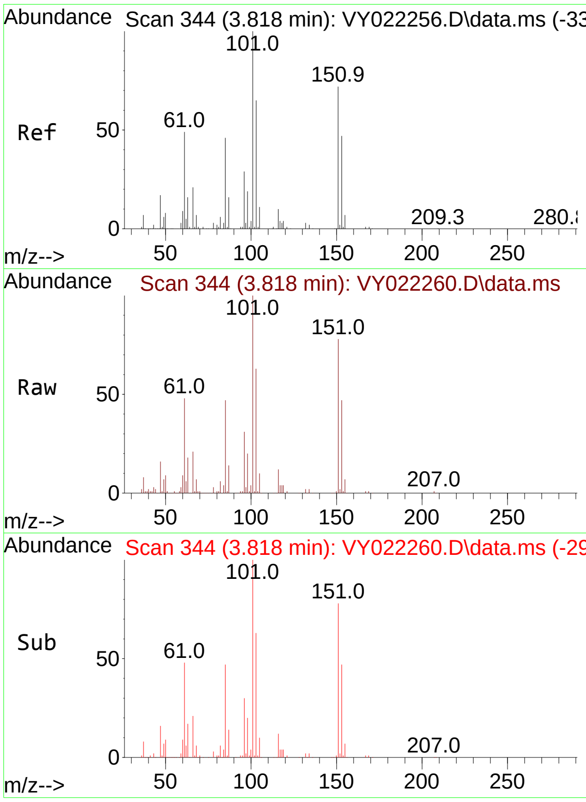
#8
Diethyl Ether
Concen: 52.055 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 74 Resp: 78386

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8



ICAL Form



#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.564 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

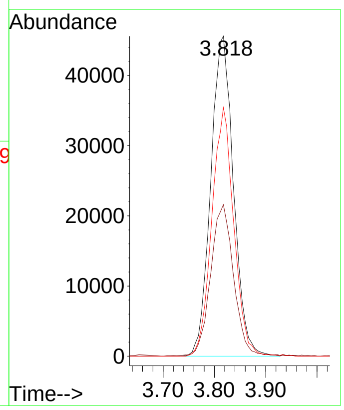
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

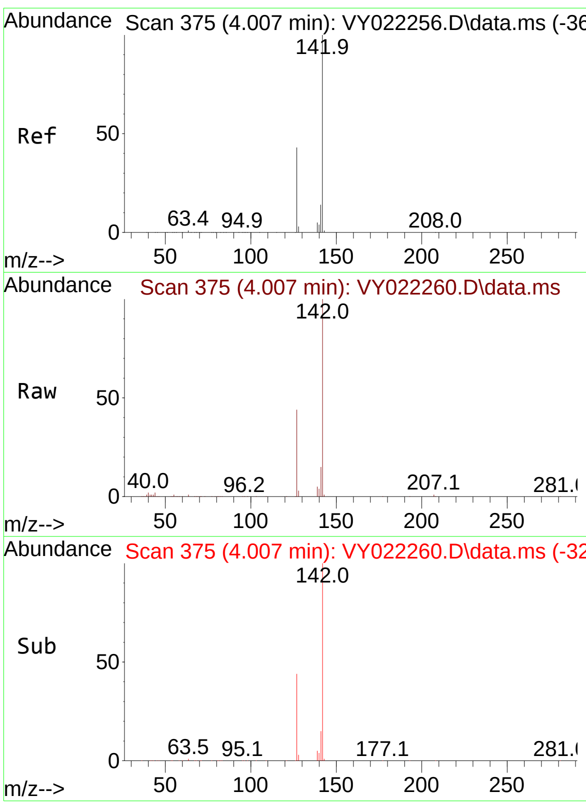
Tgt Ion:101 Resp: 14046(

Ion	Ratio	Lower	Upper
101	100		
85	47.9	38.6	58.0
151	74.9	59.7	89.5

Manual Integrations APPROVED

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

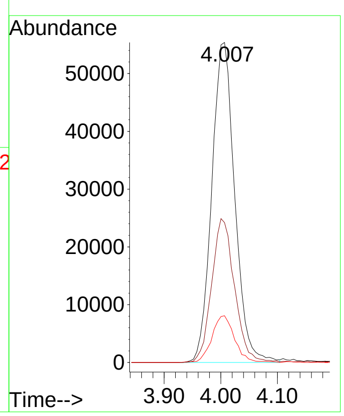




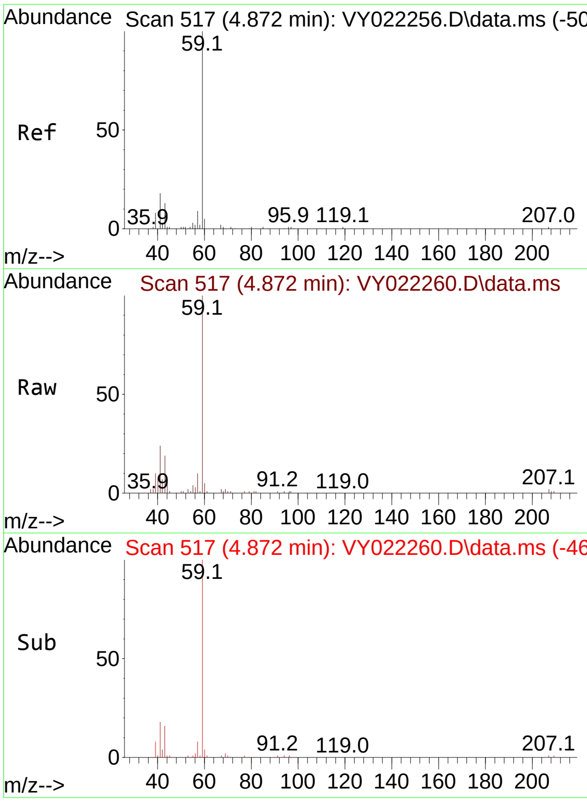
#10
Methyl Iodide
Concen: 49.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:142 Resp: 156397

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.4	11.1	16.7



ICAL Form



#11
Tert butyl alcohol
Concen: 265.144 ug/l
RT: 4.872 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

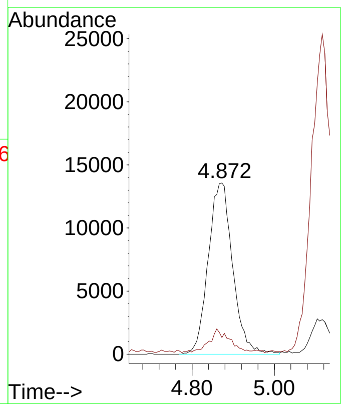
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

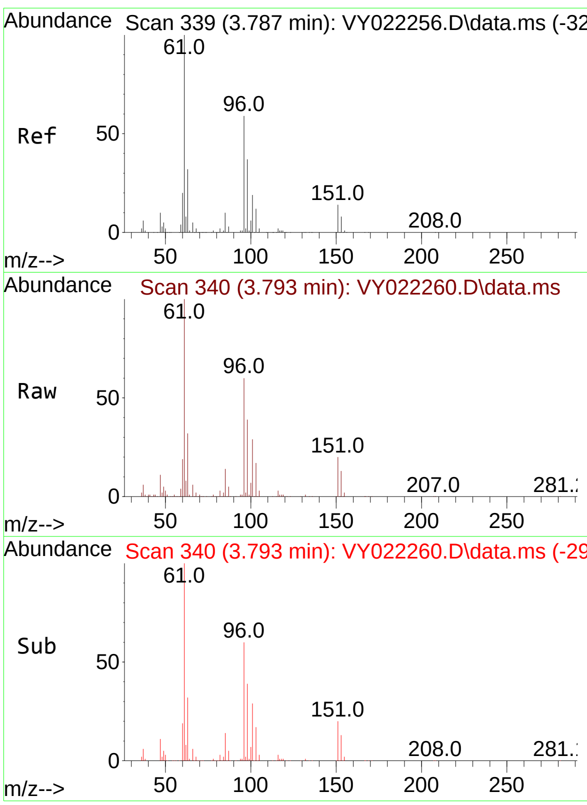
Tgt Ion: 59 Resp: 55922

Ion	Ratio	Lower	Upper
59	100		
57	10.7	0.0	0.0#

Manual Integrations APPROVED

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

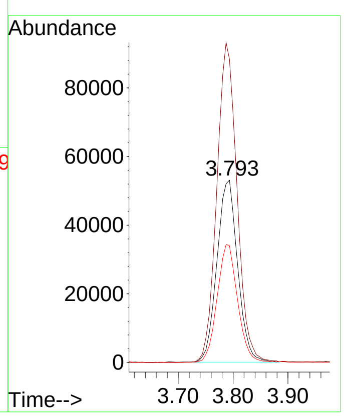


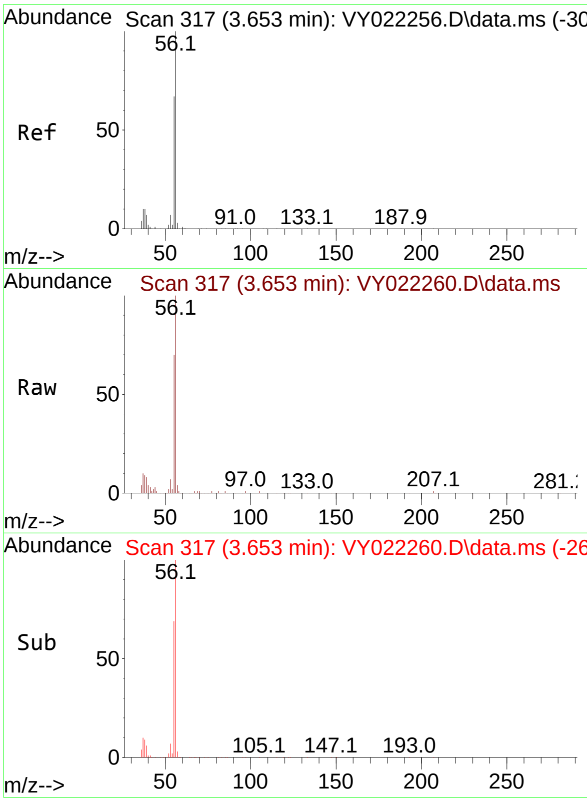


#12
1,1-Dichloroethene
Concen: 51.487 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 139180

Ion	Ratio	Lower	Upper
96	100		
61	166.8	134.9	202.3
98	64.1	49.9	74.9





#13
Acrolein
Concen: 238.362 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

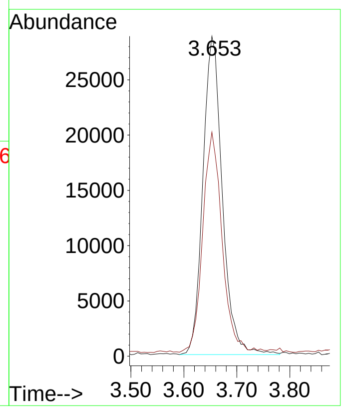
Tgt Ion: 56 Resp: 73495

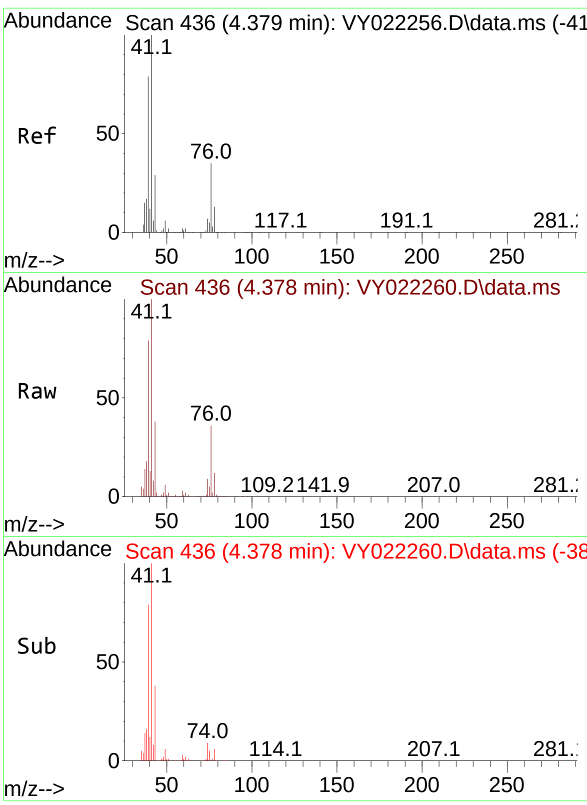
Ion	Ratio	Lower	Upper
56	100		
55	68.2	55.6	83.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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

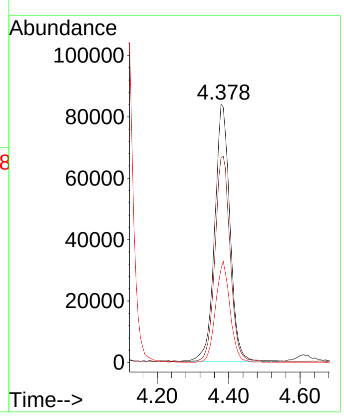




#14
Allyl chloride
Concen: 52.817 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 250342

Ion	Ratio	Lower	Upper
41	100		
39	78.9	63.4	95.0
76	37.0	29.5	44.3

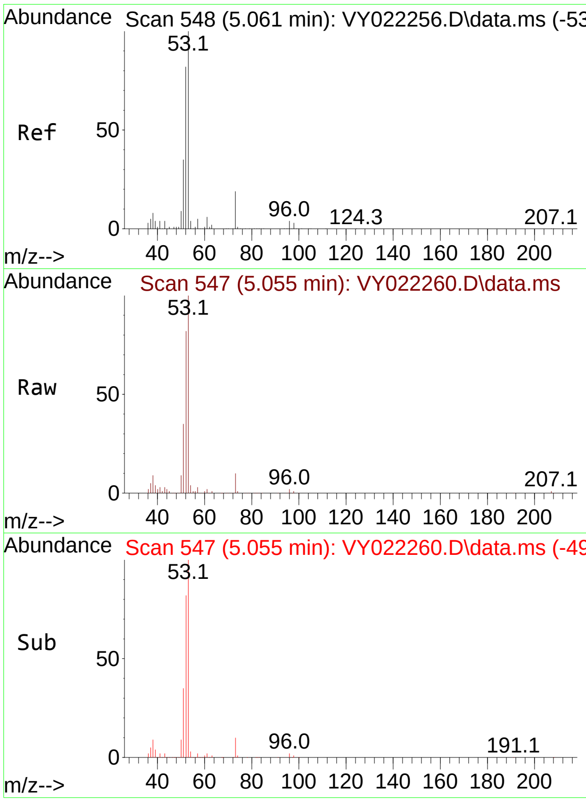


ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

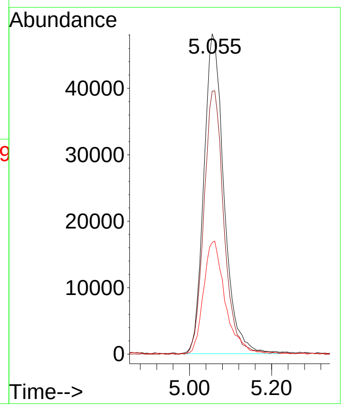
Manual Integrations
APPROVED

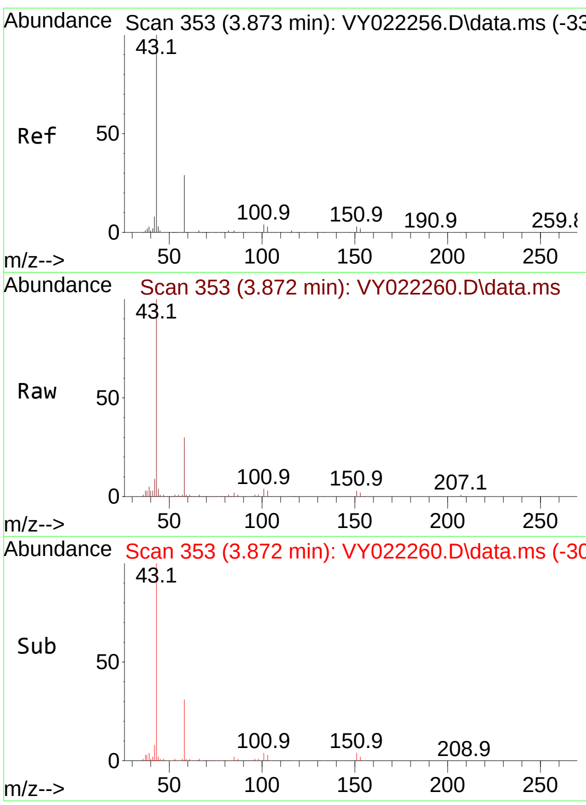
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




```
#15
Acrylonitrile
Concen:  265.134 ug/l
RT:    5.055 min   Scan# 54
Delta R.T.   -0.006 min
Lab File:    VY022260.D
Acq: 15 May 2025   13:20

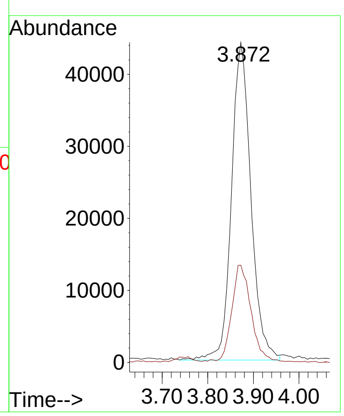
Tgt Ion: 53 Resp:  16450
Ion   Ratio   Lower   Upper
 53   100
 52    81.9    66.1    99.1
 51    38.2    30.0    45.0
```

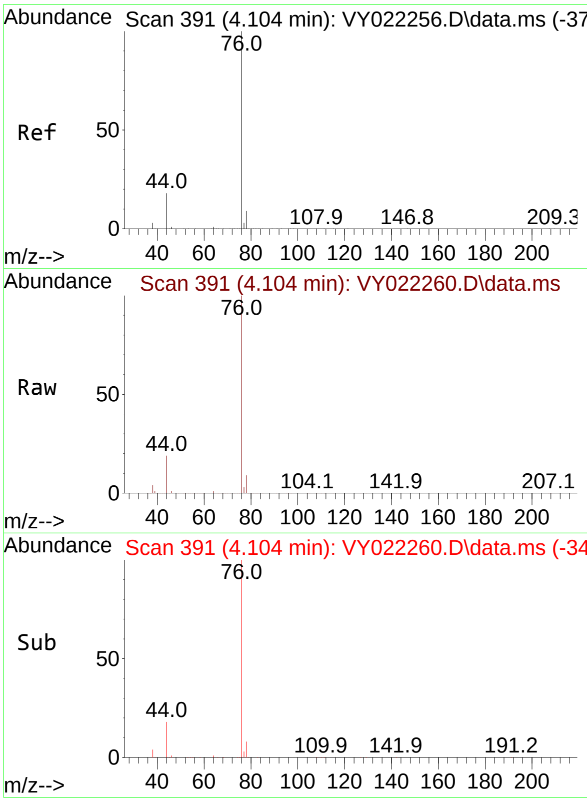





```
#16
Acetone
Concen:  252.660 ug/l
RT:    3.872 min   Scan# 353
Delta R.T.   -0.000 min
Lab File:    VY022260.D
Acq: 15 May 2025   13:20

Tgt Ion: 43 Resp:  130848
Ion   Ratio   Lower   Upper
 43   100
 58    30.2    23.6    35.4
```





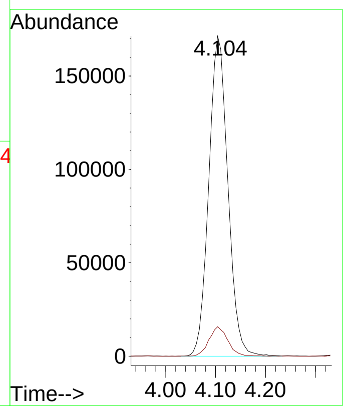
#17
Carbon Disulfide
Concen: 51.765 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

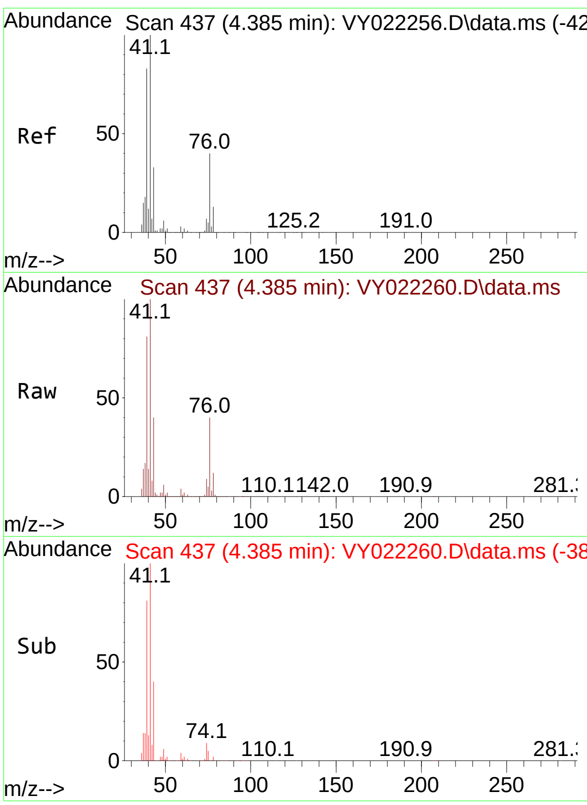
Tgt Ion: 76 Resp: 45630

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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

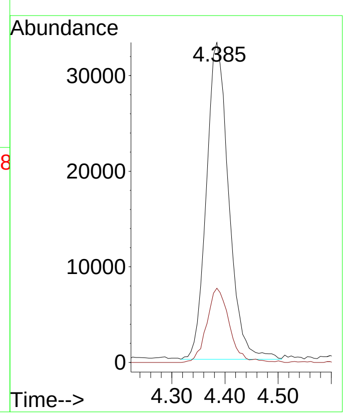




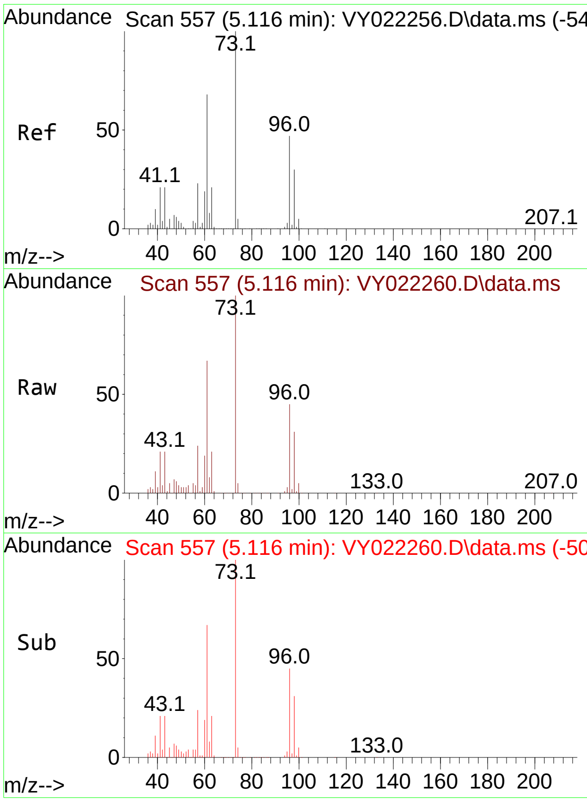
#18
Methyl Acetate
Concen: 59.461 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 97091

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.2	27.4



ICAL Form



#19
Methyl tert-butyl Ether
Concen: 53.096 ug/l
RT: 5.116 min   Scan# 5!
Delta R.T.   -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025   13:20

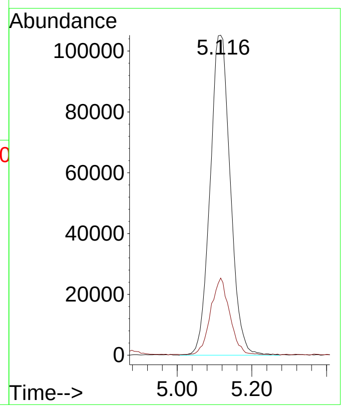
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

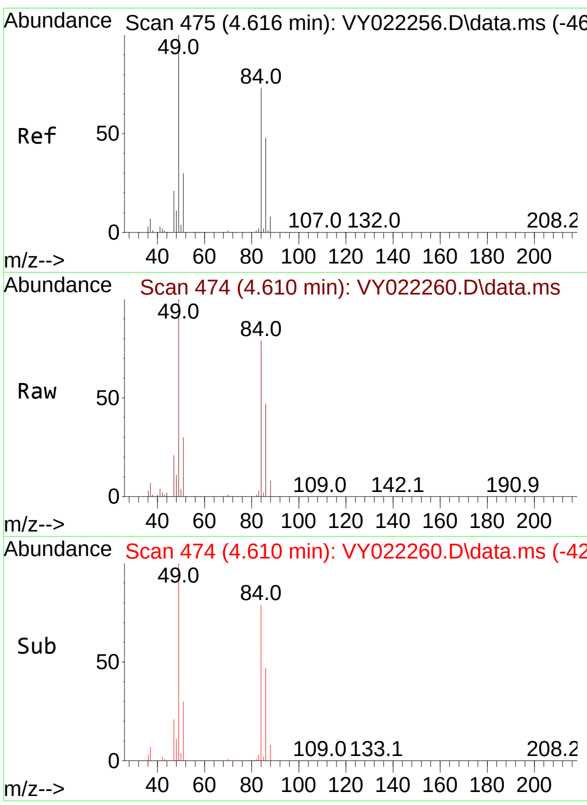
Tgt Ion: 73 Resp: 39575!

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.6	28.0

Manual Integrations APPROVED

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

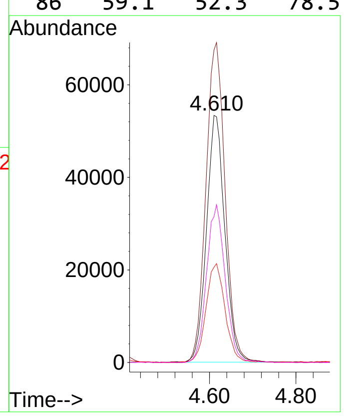




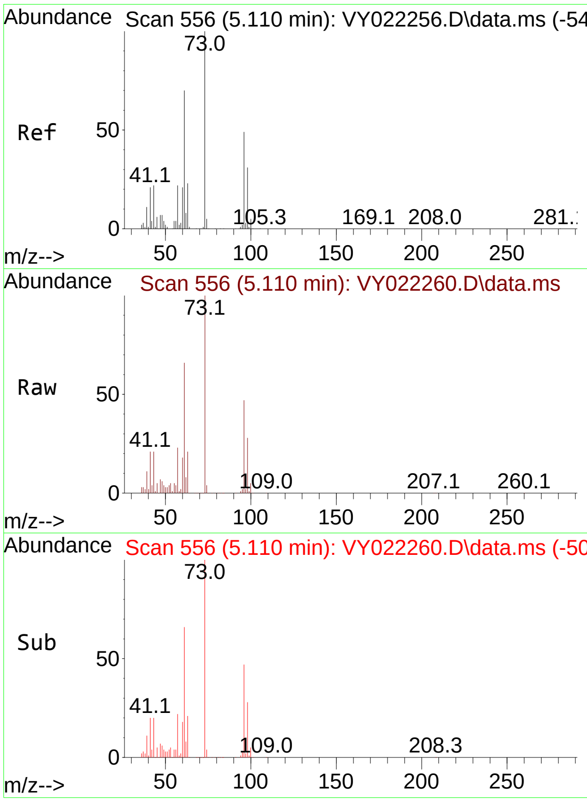
#20
Methylene Chloride
Concen: 47.298 ug/l
RT: 4.610 min   Scan# 474
Delta R.T.   -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025   13:20

Tgt Ion: 84 Resp: 158275

Ion	Ratio	Lower	Upper
84	100		
49	126.6	109.6	164.4
51	38.5	32.4	48.6
86	59.1	52.3	78.5



ICAL Form



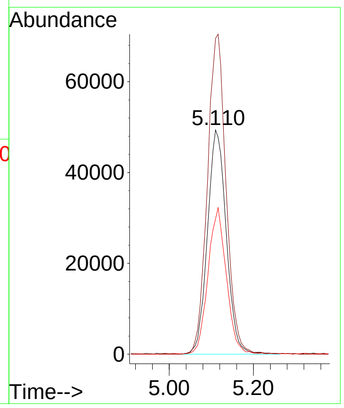
#21
trans-1,2-Dichloroethene
Concen: 51.552 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

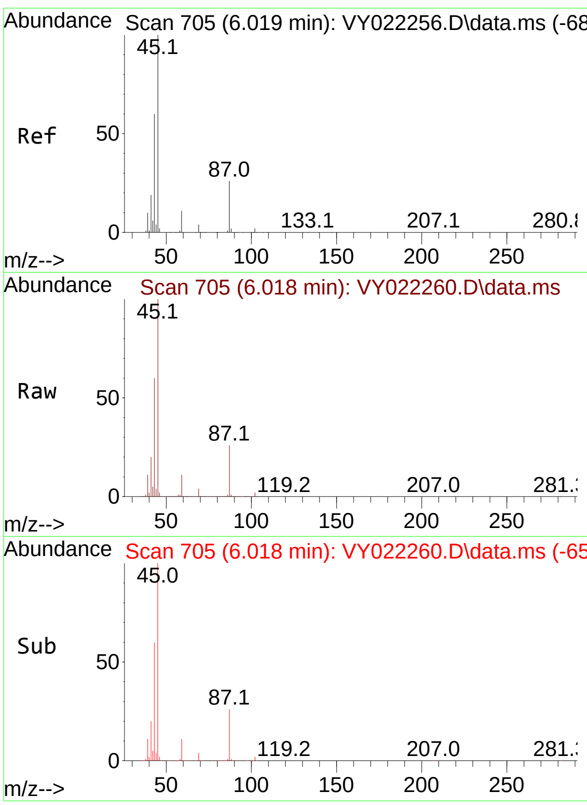
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 96 Resp: 15381

Ion	Ratio	Lower	Upper
96	100		
61	140.9	113.4	170.0
98	60.2	50.9	76.3

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

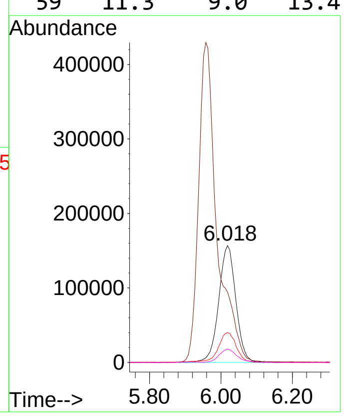




#22
Diisopropyl ether
Concen: 52.085 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 45 Resp: 521343

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	25.6	21.4	32.0
59	11.3	9.0	13.4



ICAL Form

Instrument : MSVOA_Y
ClientSampleId : ICVVY051525

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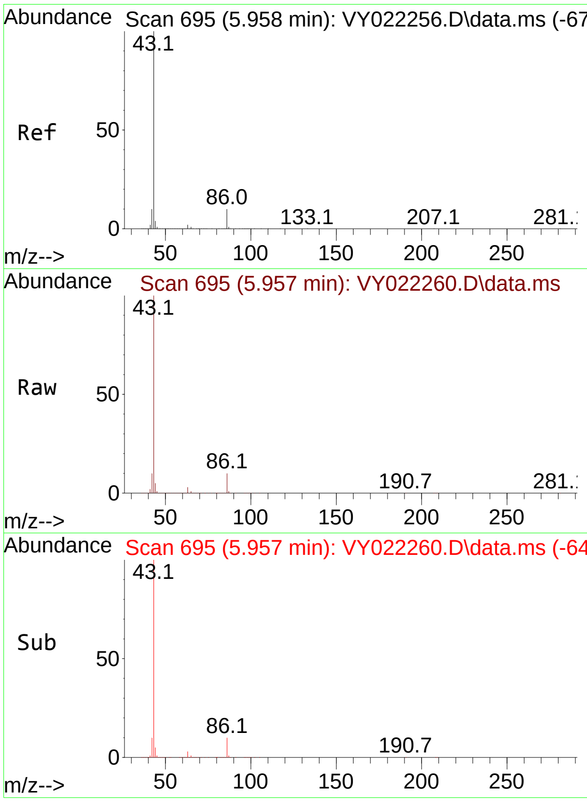
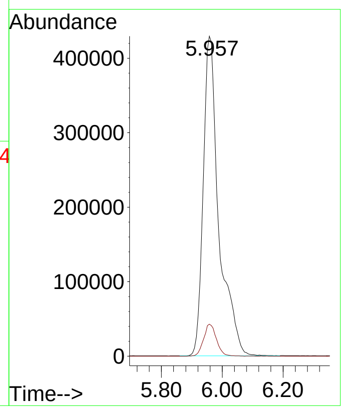
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

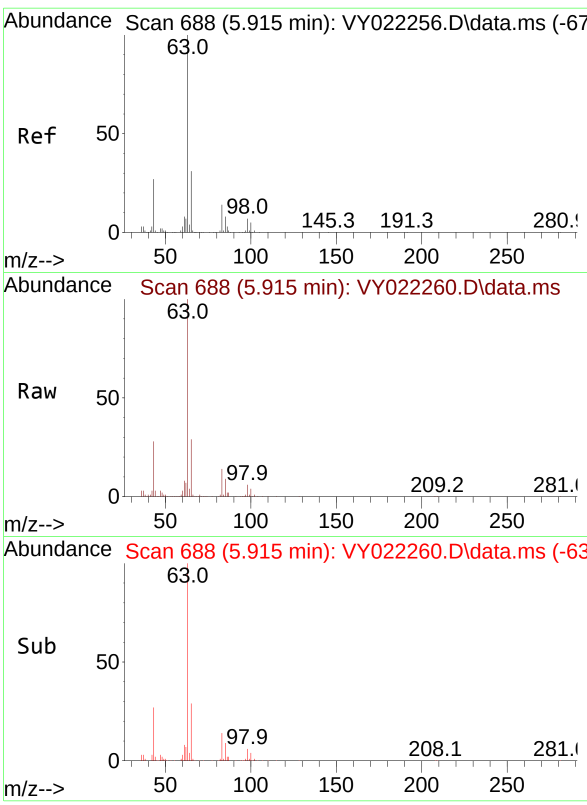


#23
Vinyl Acetate
Concen: 253.098 ug/l
RT: 5.957 min Scan# 695
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 1530507

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

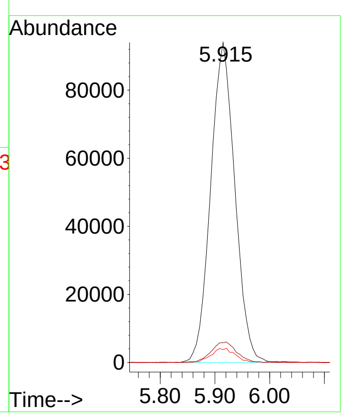


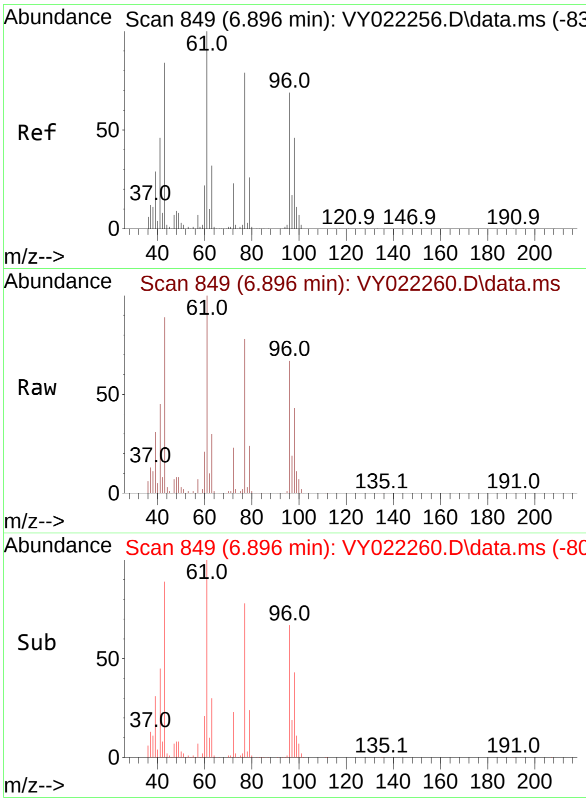


#24
1,1-Dichloroethane
Concen: 51.668 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 288933

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	4.0	2.4	7.2





#25
2-Butanone
Concen: 255.929 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

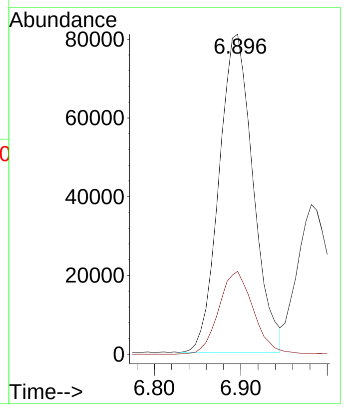
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

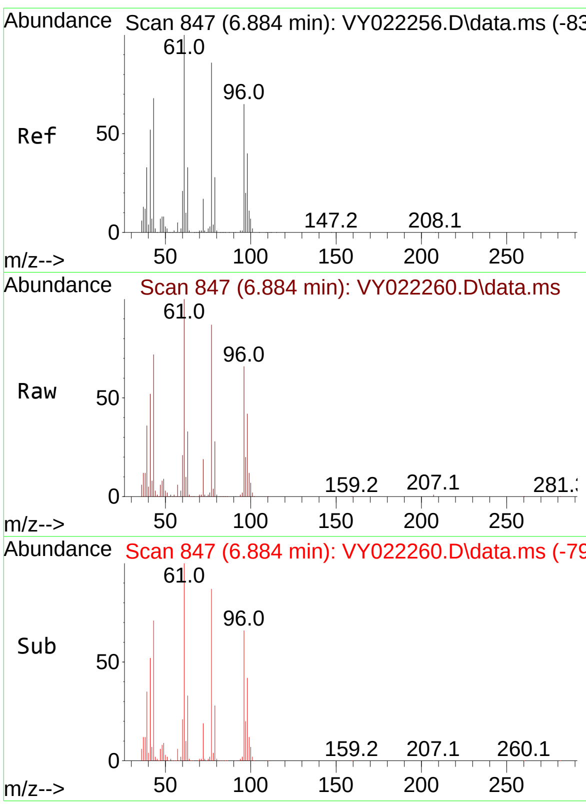
Tgt Ion: 43 Resp: 22170

Ion	Ratio	Lower	Upper
43	100		
72	25.9	22.1	33.1

Manual Integrations APPROVED

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

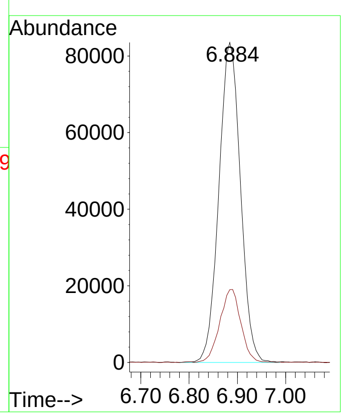




#26
2,2-Dichloropropane
Concen: 52.191 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

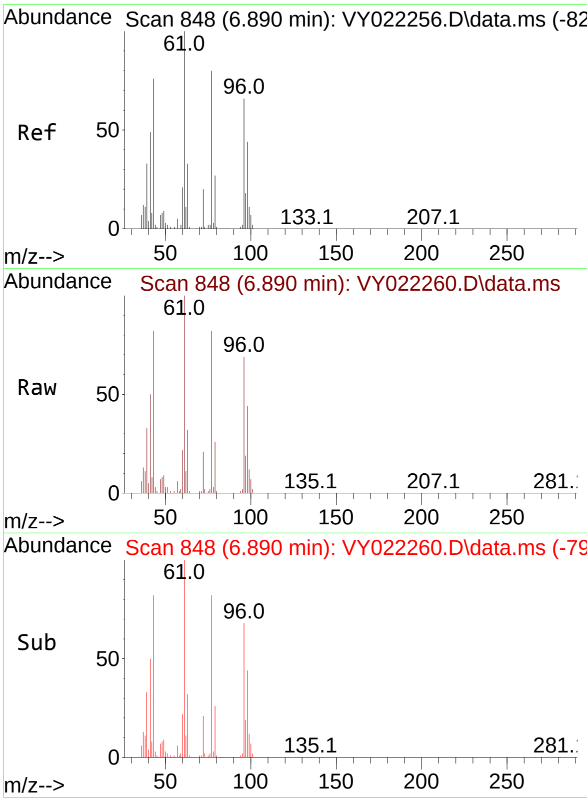
Tgt Ion: 77 Resp: 259587

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5



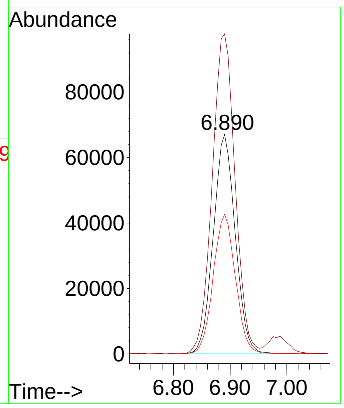
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

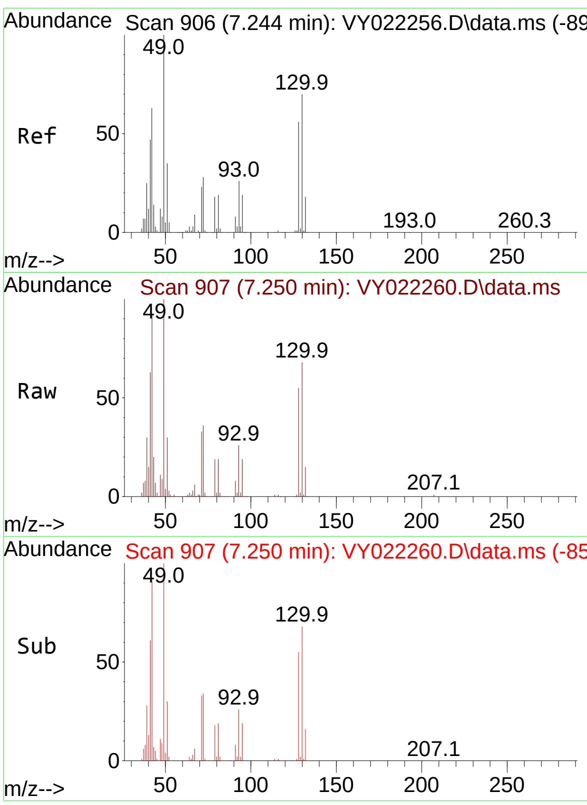
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025




```
#27
cis-1,2-Dichloroethene
Concen:   52.479 ug/l
RT:   6.890 min  Scan# 84
Delta R.T.  -0.000 min
Lab File:   VY022260.D
Acq: 15 May 2025  13:20

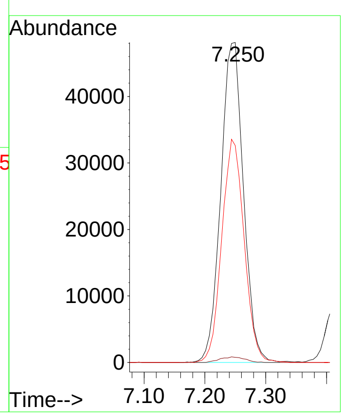
Tgt Ion: 96 Resp:  18069
Ion  Ratio  Lower  Upper
 96  100
 61  151.9    0.0  302.6
 98   64.5    0.0  128.8
```

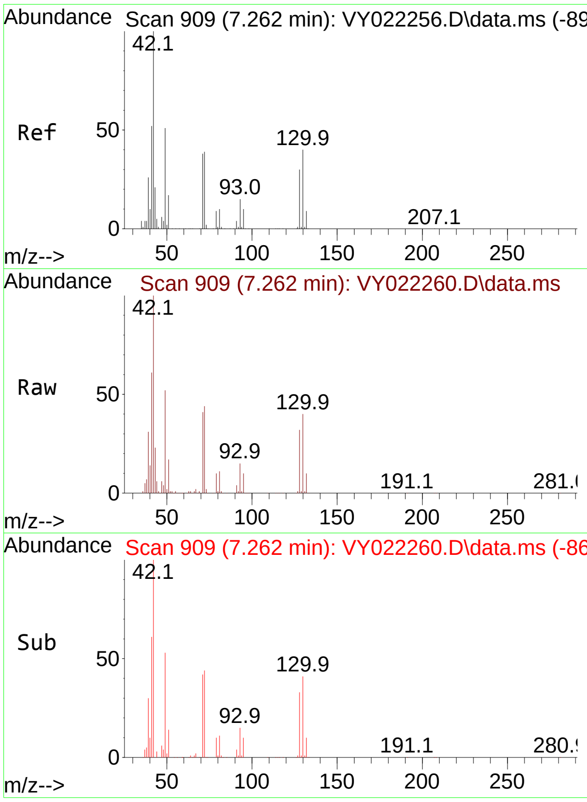





```
#28
Bromochloromethane
Concen:   52.305 ug/l
RT:   7.250 min  Scan# 907
Delta R.T.  0.006 min
Lab File:   VY022260.D
Acq: 15 May 2025  13:20

Tgt Ion: 49 Resp:  124761
Ion  Ratio  Lower  Upper
 49  100
129    1.9    0.0    3.6
130   68.8   54.7   82.1
```





#29
Tetrahydrofuran
Concen: 264.847 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

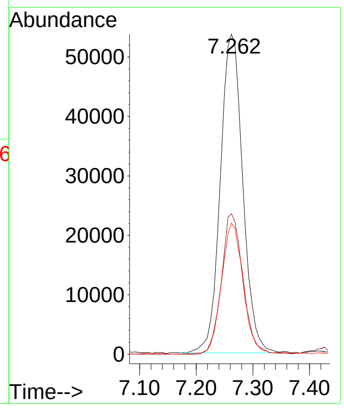
Tgt Ion: 42 Resp: 14760

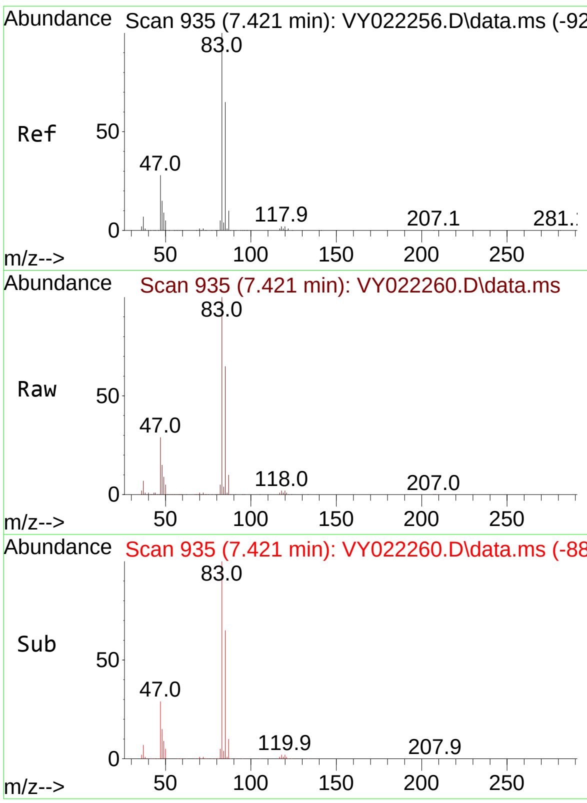
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.8	50.6
71	40.1	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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

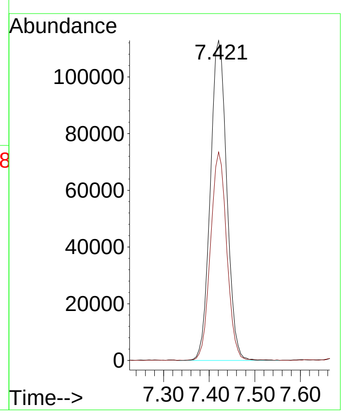


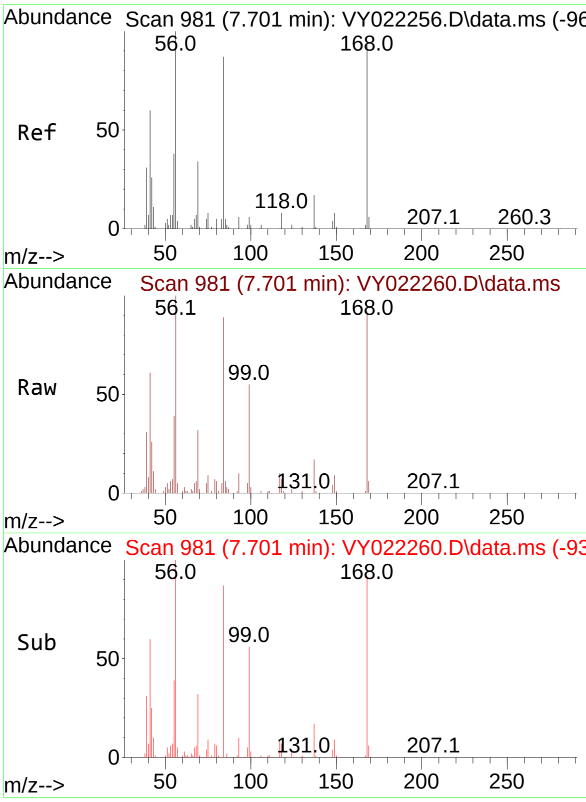


#30
Chloroform
Concen: 52.810 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 283264

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





#31
Cyclohexane
Concen: 48.673 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

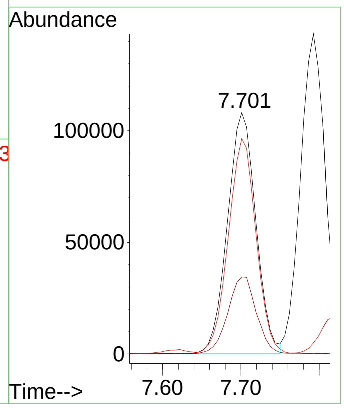
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

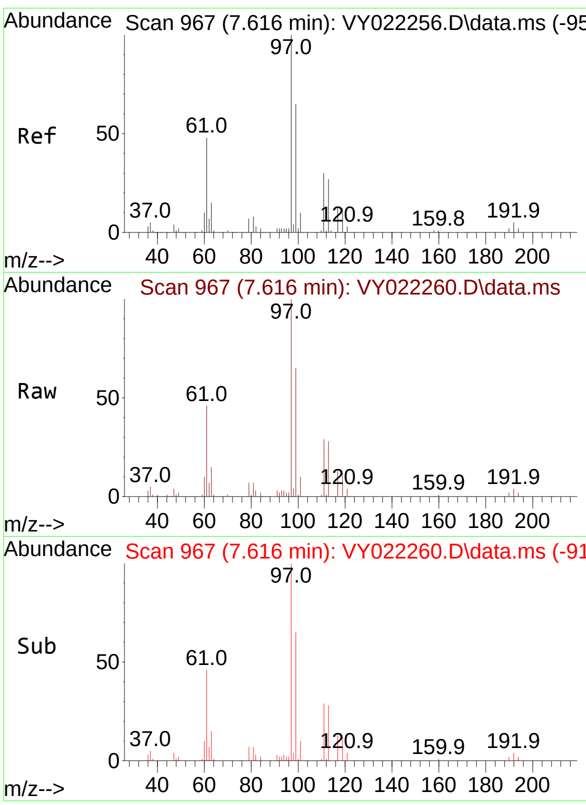
Tgt Ion: 56 Resp: 27194

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.5	70.0	105.0

Manual Integrations APPROVED

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

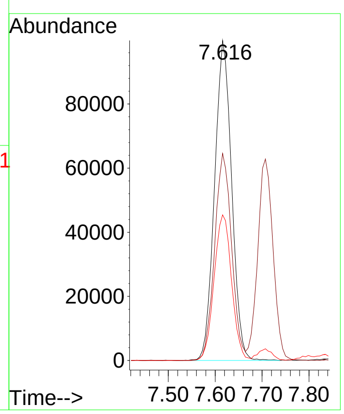


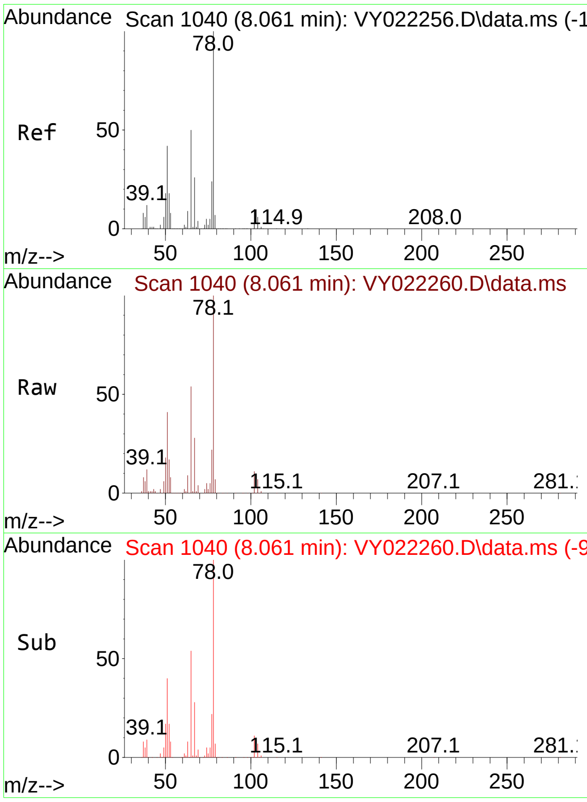


#32
1,1,1-Trichloroethane
Concen: 51.523 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 253549

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	46.6	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 52.104 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 65 Resp: 14390

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

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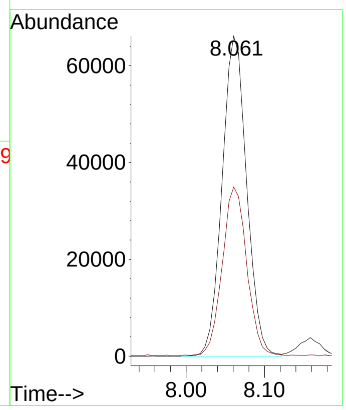
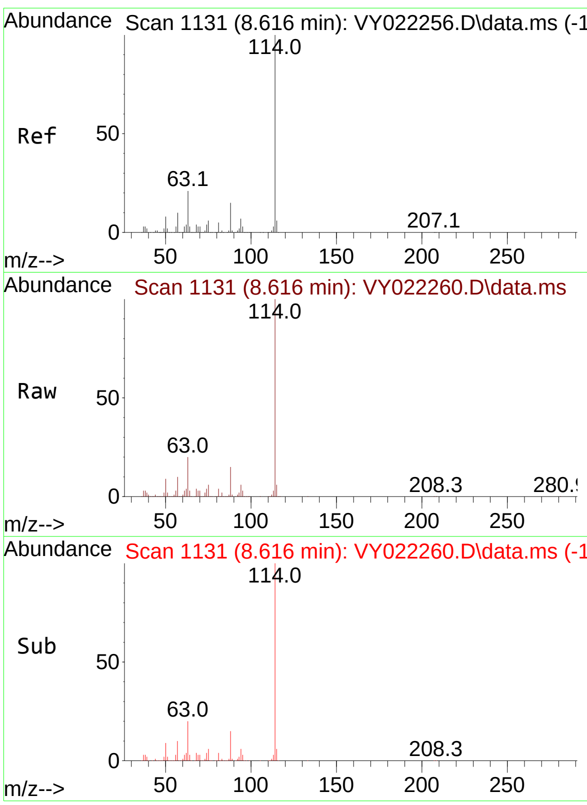
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

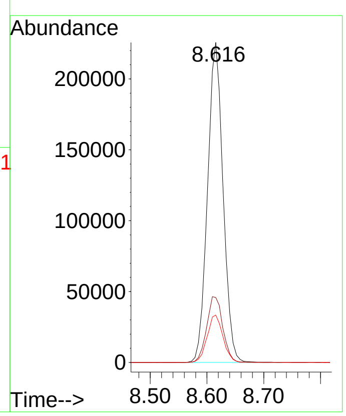




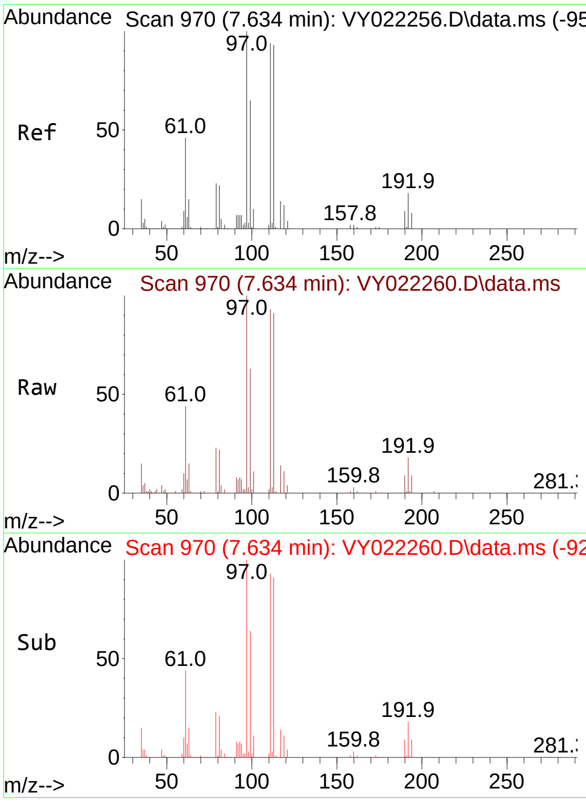
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:114 Resp: 428969

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.8	0.0	29.4



ICAL Form



#35
Dibromofluoromethane
Concen: 51.658 ug/l
RT: 7.634 min   Scan# 9
Delta R.T.   -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025   13:20

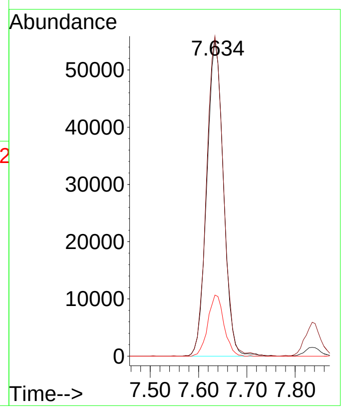
Tgt Ion:113 Resp: 13226

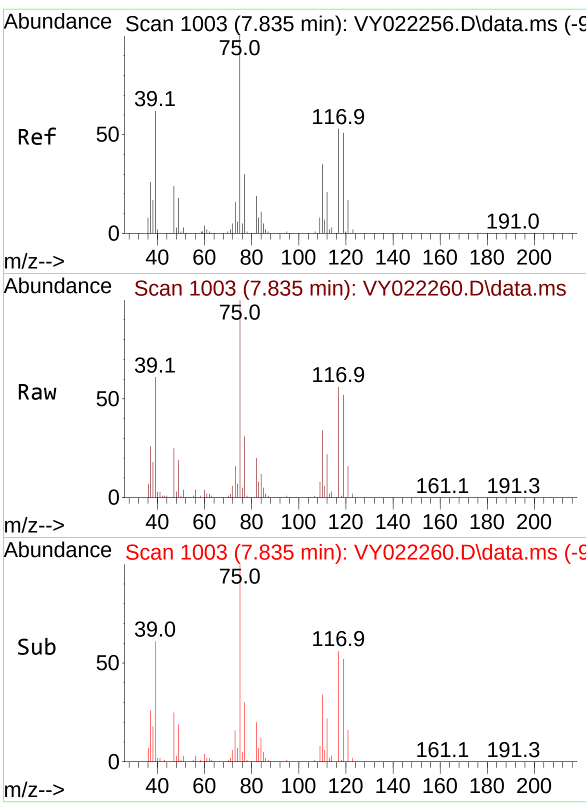
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.7	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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

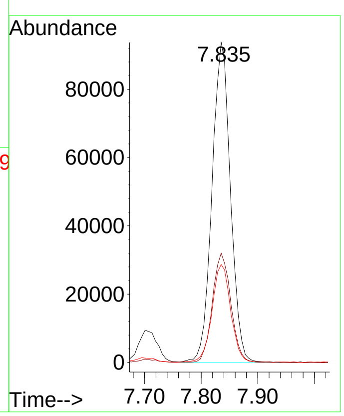


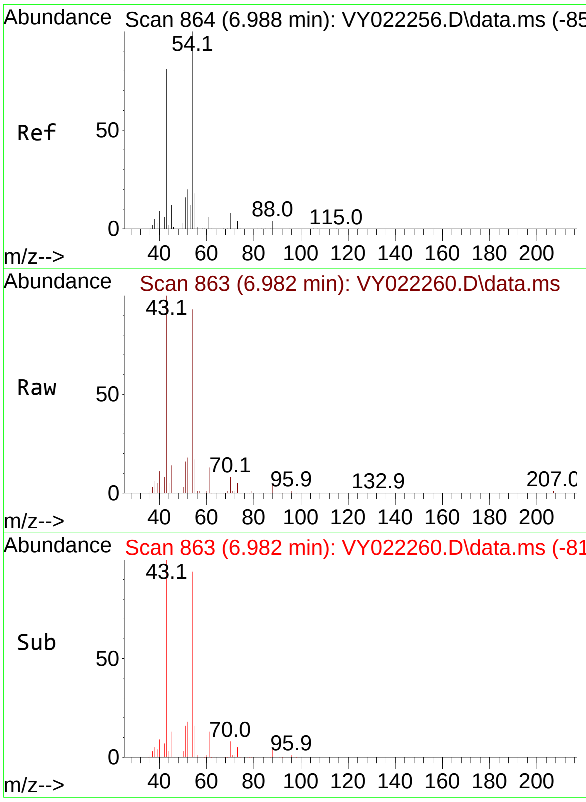


#36
1,1-Dichloropropene
Concen: 50.457 ug/l
RT: 7.835 min   Scan# 1003
Delta R.T.   -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025   13:20

Tgt Ion: 75 Resp: 212786

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.6	49.8
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 50.633 ug/l
RT: 6.982 min Scan# 8(
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 10274(

Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.2
70	8.8	7.6	11.4

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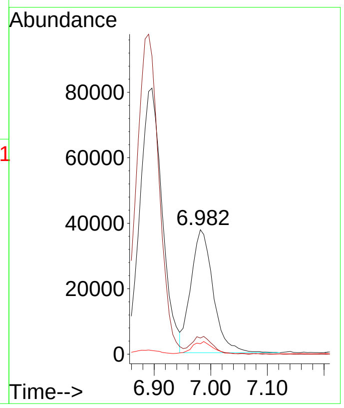
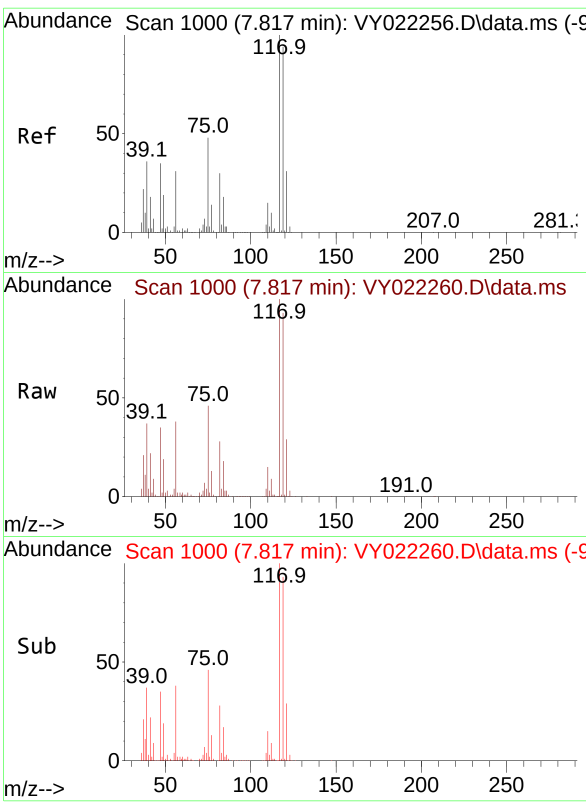
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

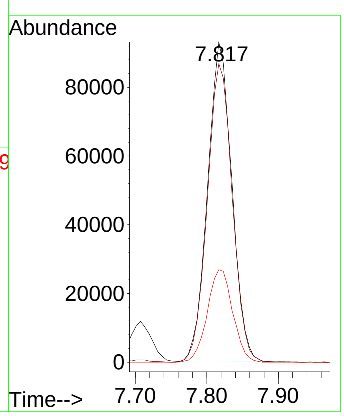




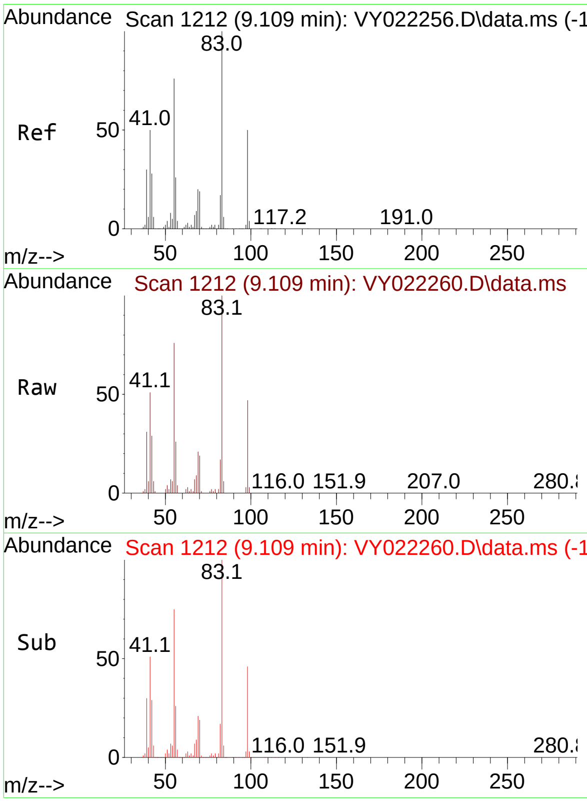
#38
Carbon Tetrachloride
Concen: 50.543 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 220636

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.3	112.9
121	28.9	24.7	37.1



ICAL Form



#39
Methylcyclohexane
Concen: 50.015 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 28337

Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.6	90.8
98	46.5	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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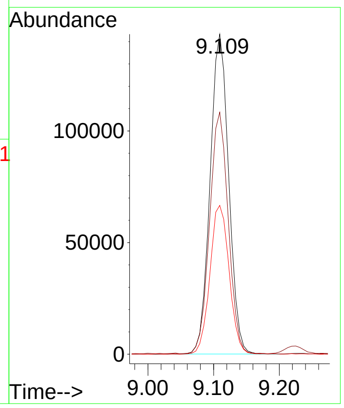
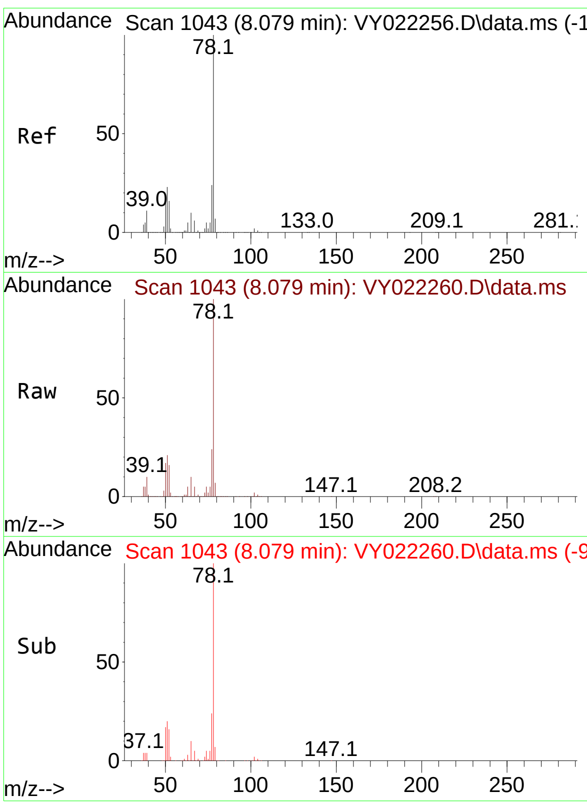
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

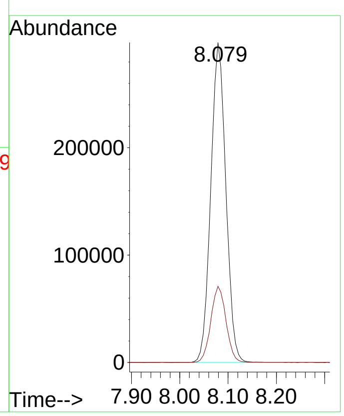




#40
Benzene
Concen: 51.696 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 78 Resp: 646289

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



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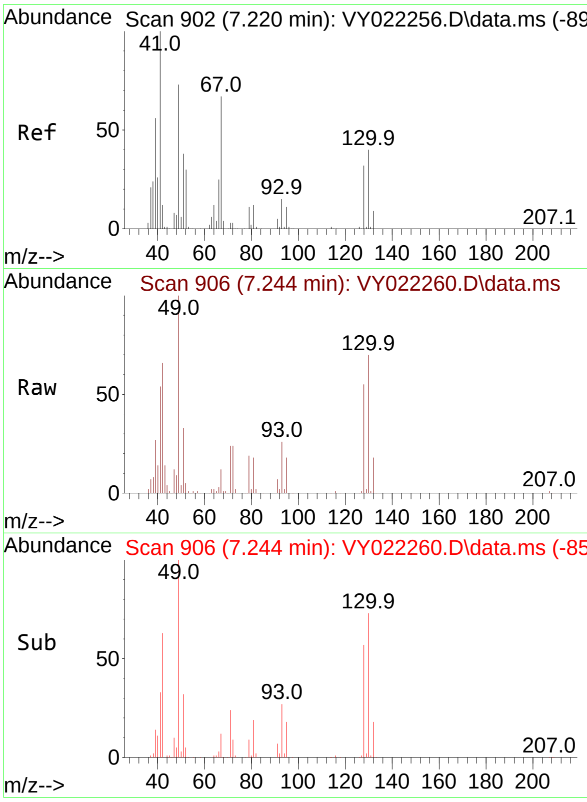

#41
Methacrylonitrile
Concen: 53.599 ug/l m
RT: 7.244 min Scan# 90
Delta R.T. 0.024 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 72141

Ion	Ratio	Lower	Upper
41	100		
39	48.1	39.1	58.7
67	58.4	47.1	70.7
52	25.5	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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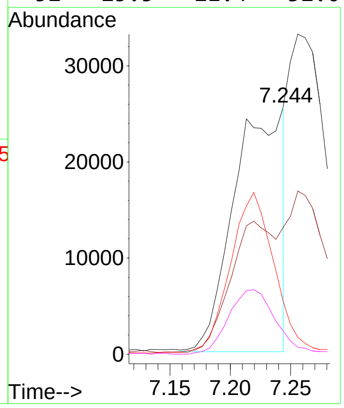
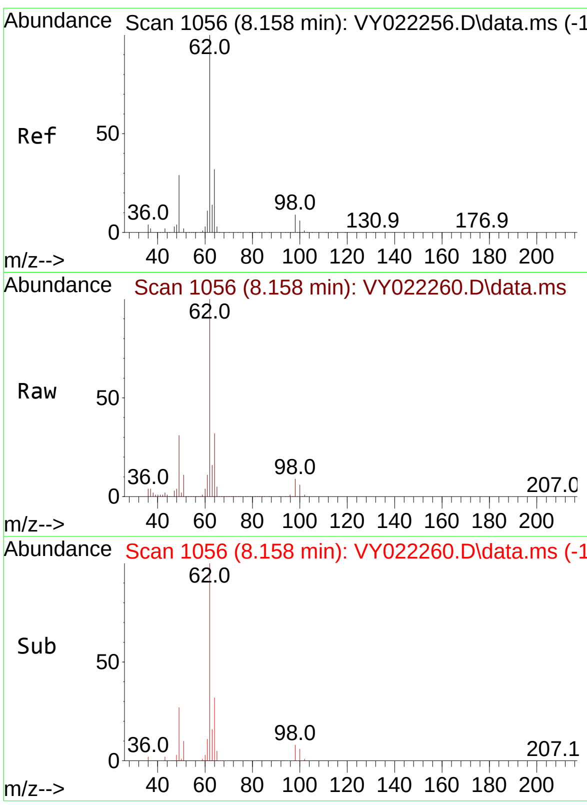
Supervised By :Semsettin Yesilyurt 05/16/2025

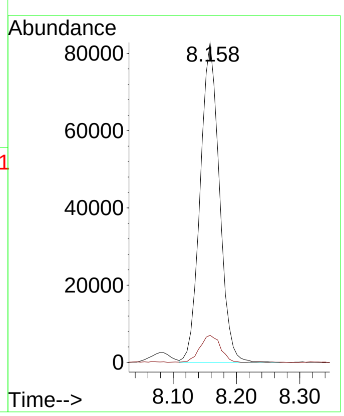




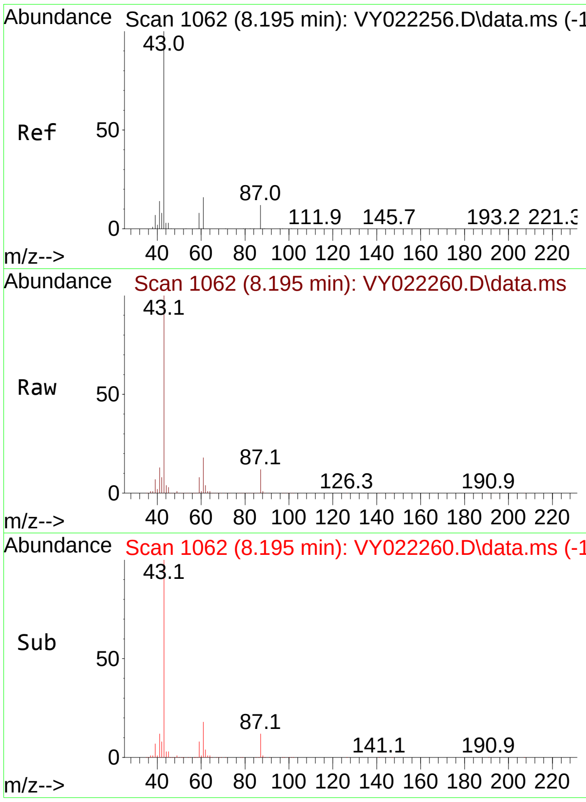
#42
1,2-Dichloroethane
Concen: 51.834 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 175241

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



ICAL Form



#43
Isopropyl Acetate
Concen: 51.415 ug/l
RT: 8.195 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 22752

Ion	Ratio	Lower	Upper
43	100		
61	26.5	15.1	22.7
87	11.9	9.7	14.5

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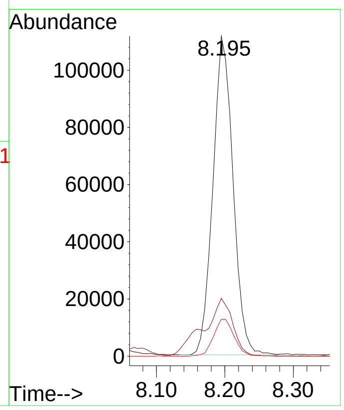
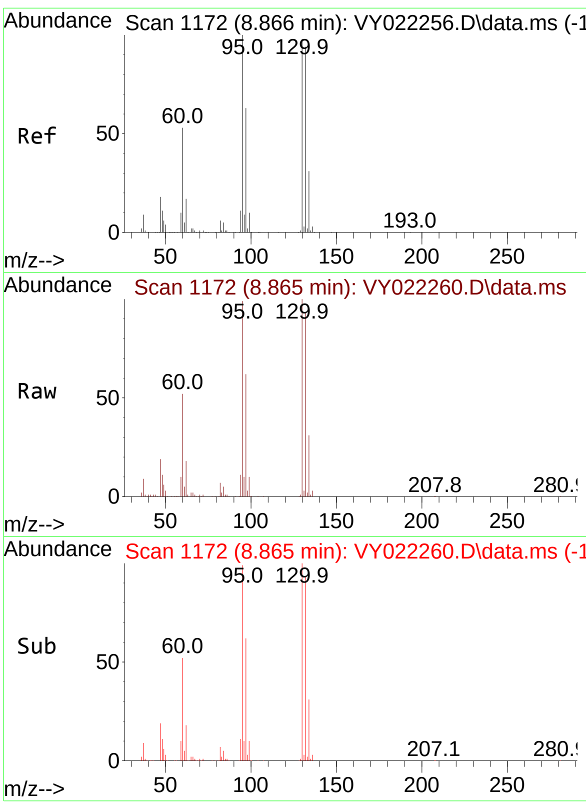
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

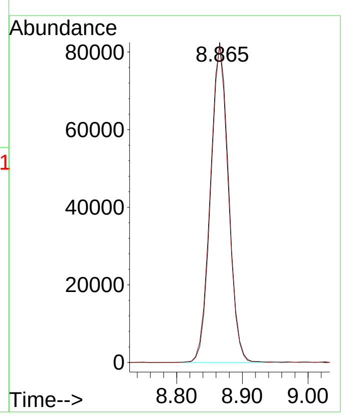


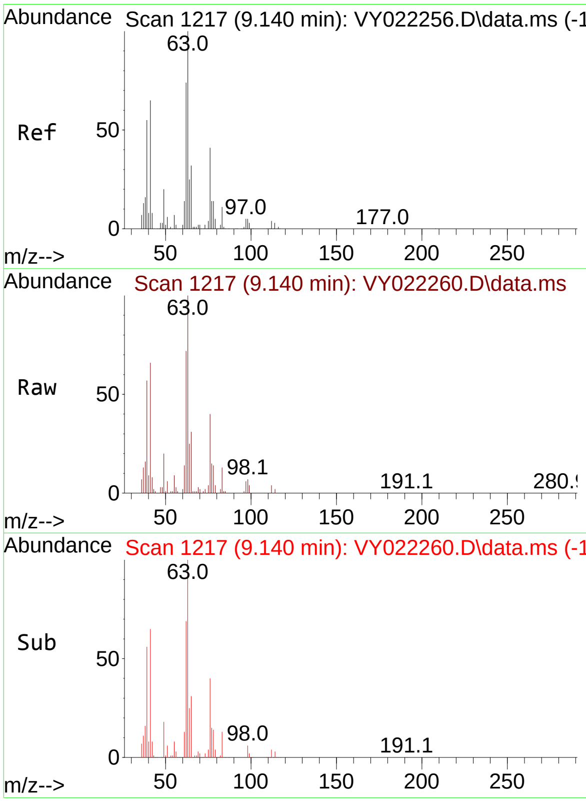


#44
Trichloroethene
Concen: 50.335 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:130 Resp: 156468

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	204.8





#45
1,2-Dichloropropane
Concen: 51.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 63 Resp: 15497

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.7	38.5

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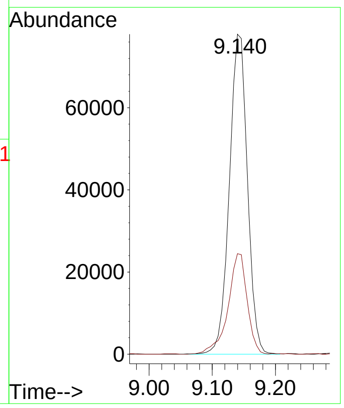
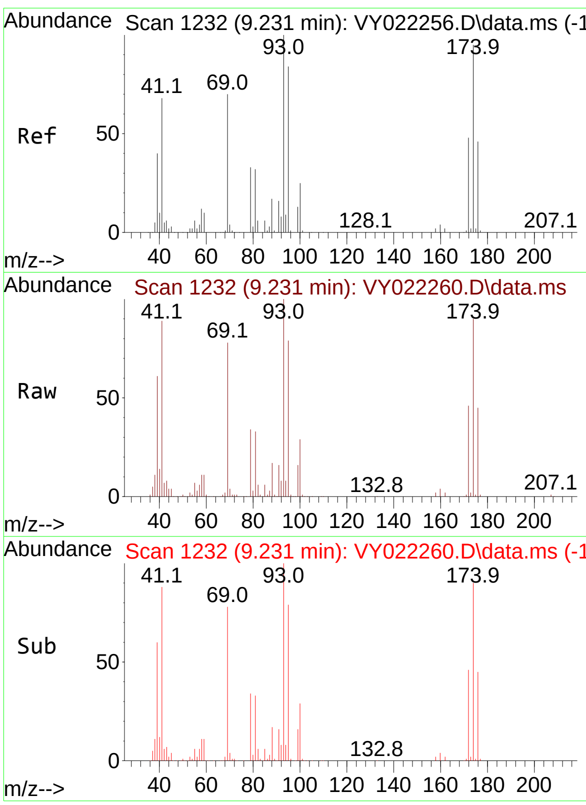
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

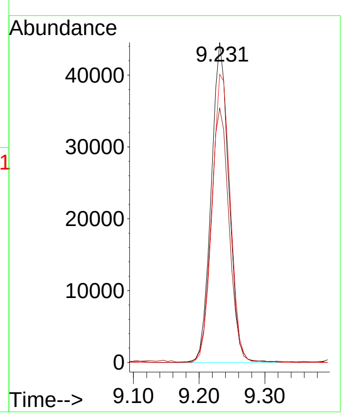




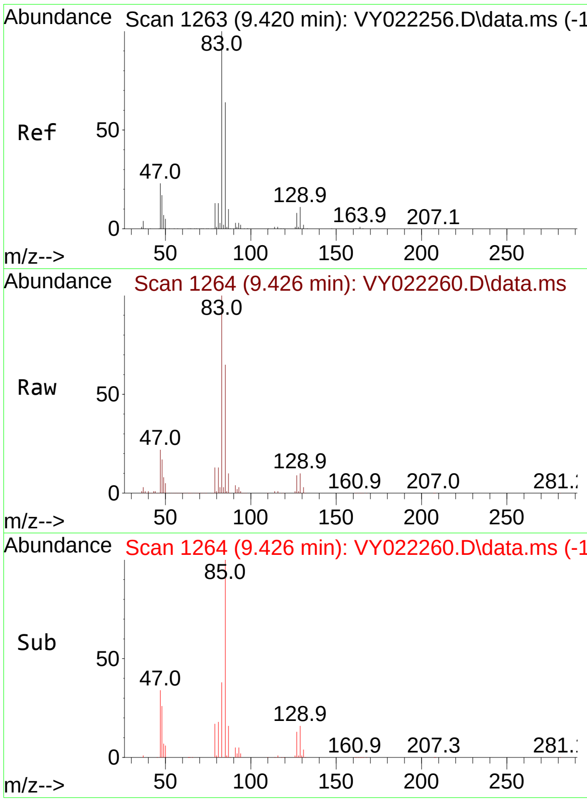
#46
Dibromomethane
Concen: 51.423 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 93 Resp: 83597

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.2	97.8
174	92.4	74.3	111.5



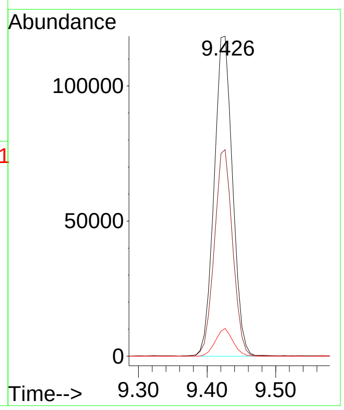
ICAL Form



#47
Bromodichloromethane
Concen: 52.508 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 22144

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	8.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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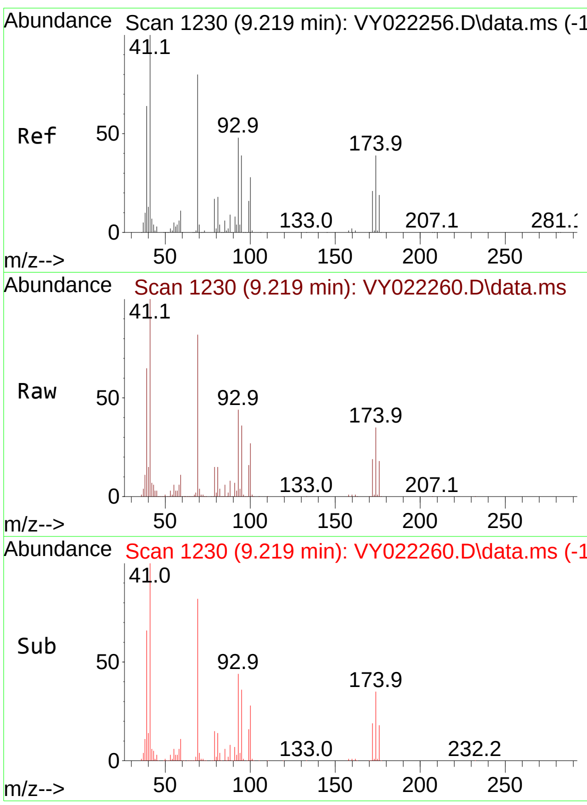
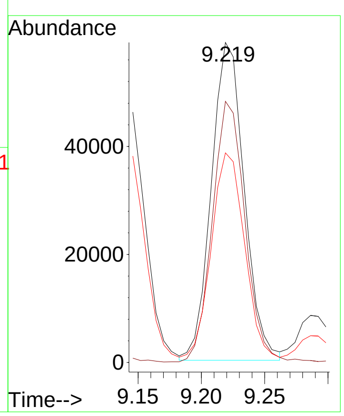
Supervised By :Semsettin Yesilyurt 05/16/2025



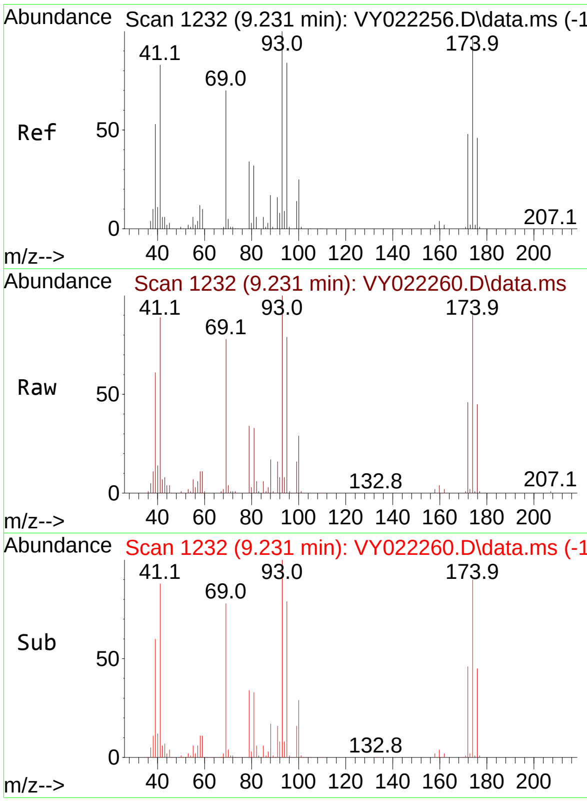
#48
Methyl methacrylate
Concen: 51.357 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 106283

Ion	Ratio	Lower	Upper
41	100		
69	81.5	63.5	95.3
39	64.6	50.8	76.2



ICAL Form



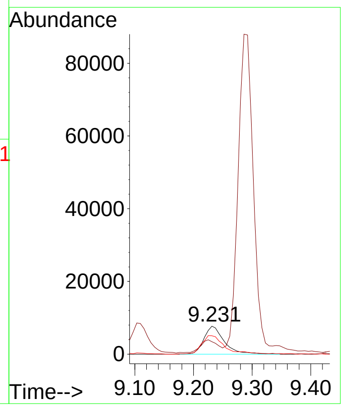

```
#49
1,4-Dioxane
Concen: 1008.479 ug/l
RT:    9.231 min   Scan# 1
Delta R.T.   -0.000 min
Lab File:    VY022260.D
Acq: 15 May 2025   13:20

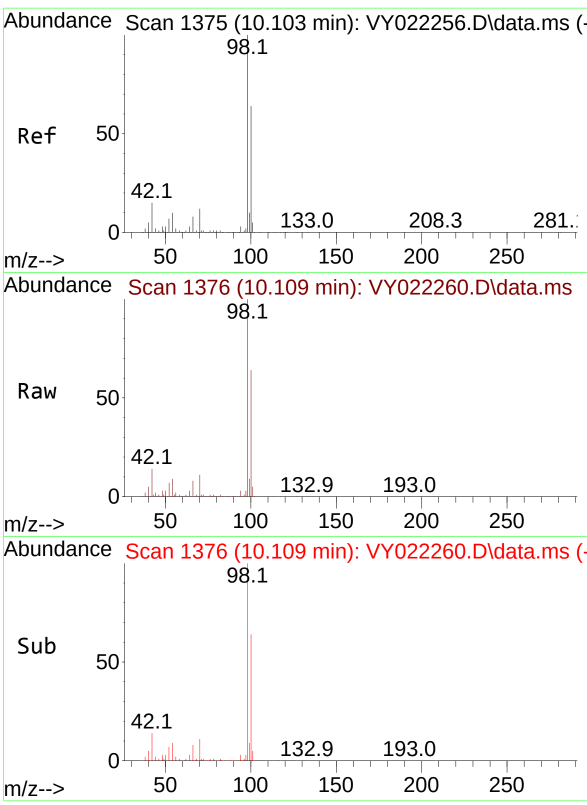
Tgt Ion: 88 Resp:   1852
Ion  Ratio  Lower  Upper
 88  100
 43   40.7   28.5   42.7
 58   74.5   61.4   92.2
```

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

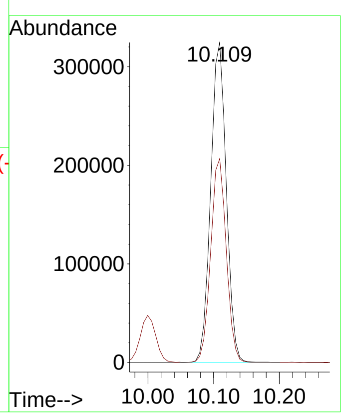
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025






```
#50
Toluene-d8
Concen:   51.229 ug/l
RT:   10.109 min   Scan# 1376
Delta R.T.   0.006 min
Lab File:    VY022260.D
Acq: 15 May 2025   13:20

Tgt Ion: 98 Resp:   537188
Ion  Ratio  Lower  Upper
 98  100
100   63.6   51.8   77.8
```



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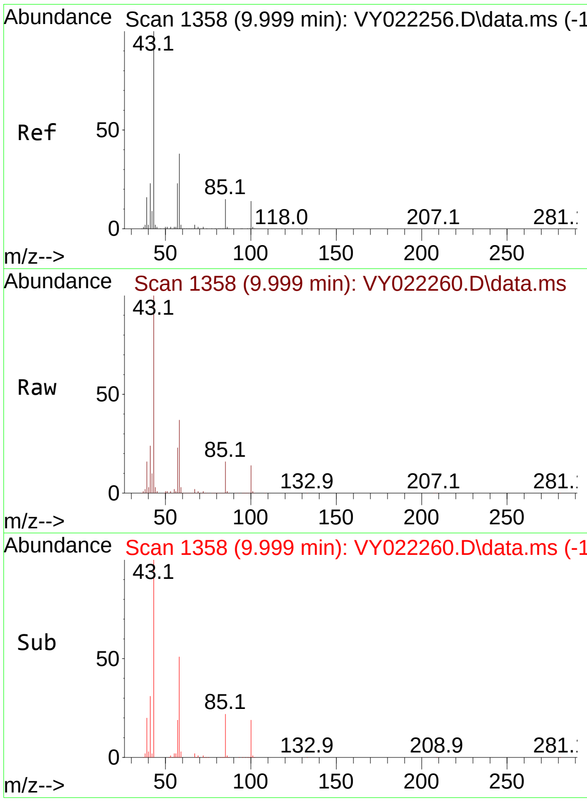


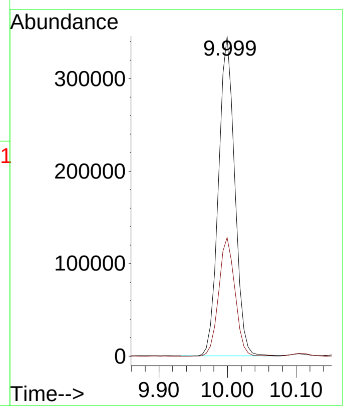
#51
4-Methyl-2-Pentanone
Concen: 261.463 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

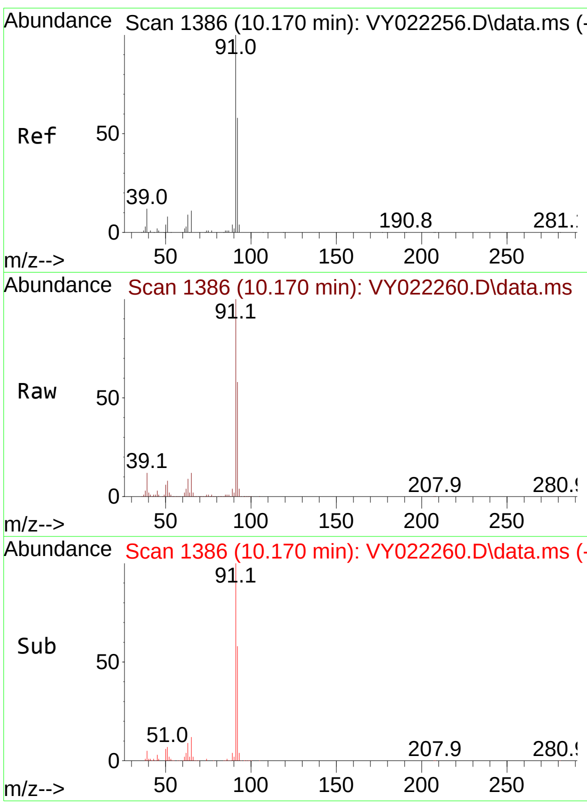
Tgt Ion: 43 Resp: 56772

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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

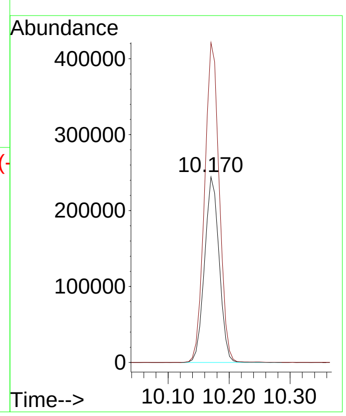




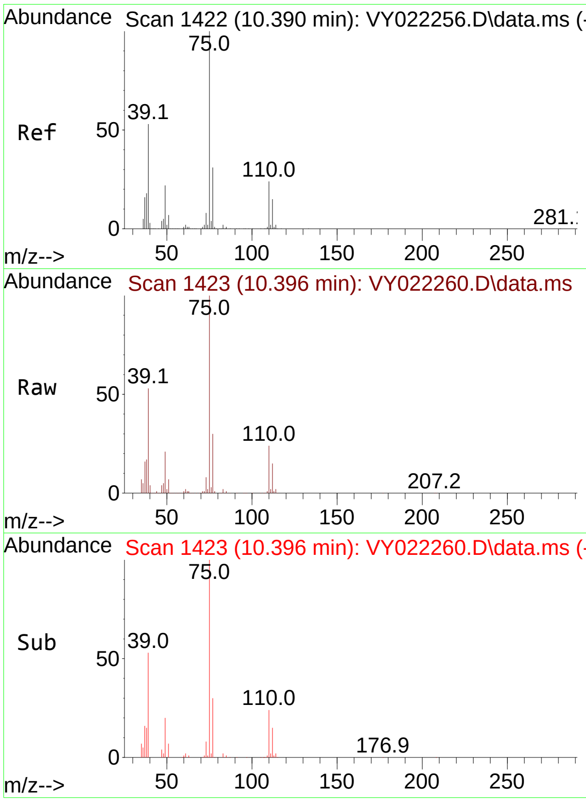
#52
Toluene
Concen: 51.337 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 92 Resp: 406420

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7



ICAL Form



#53
t-1,3-Dichloropropene
Concen: 51.458 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 21179

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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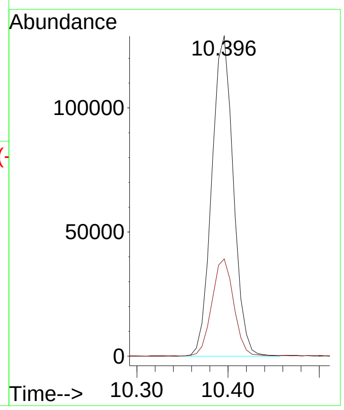
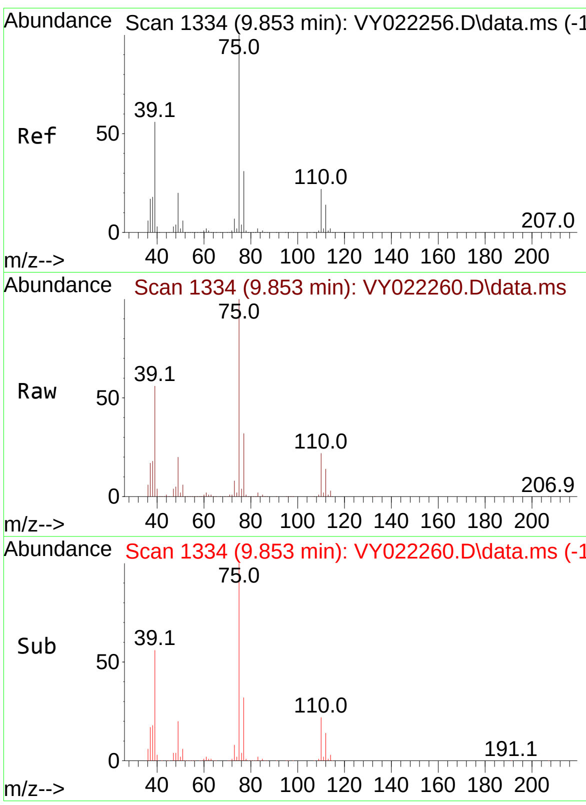
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

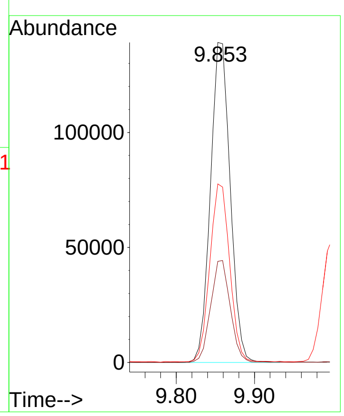


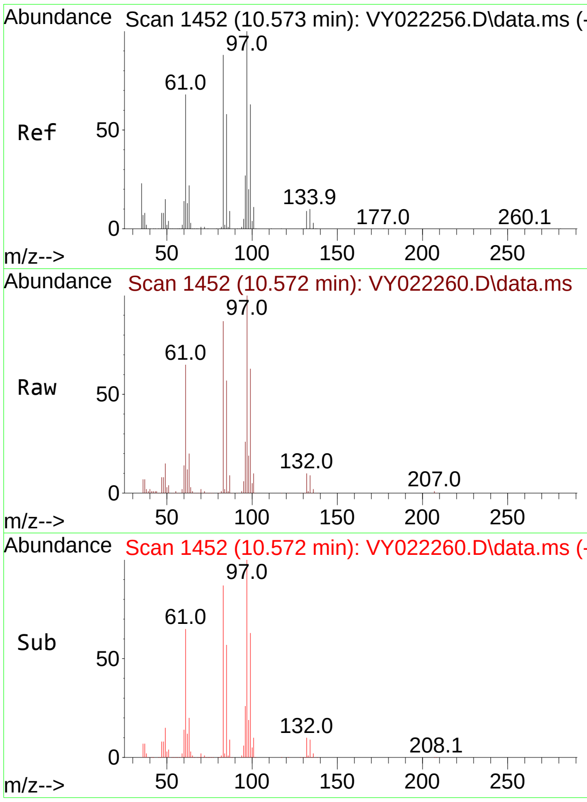


#54
cis-1,3-Dichloropropene
Concen: 51.916 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 244811

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	55.6	44.5	66.7





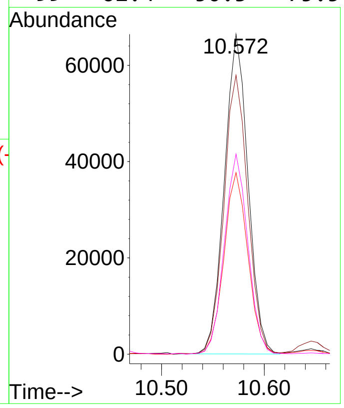
#55
1,1,2-Trichloroethane
Concen: 51.142 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

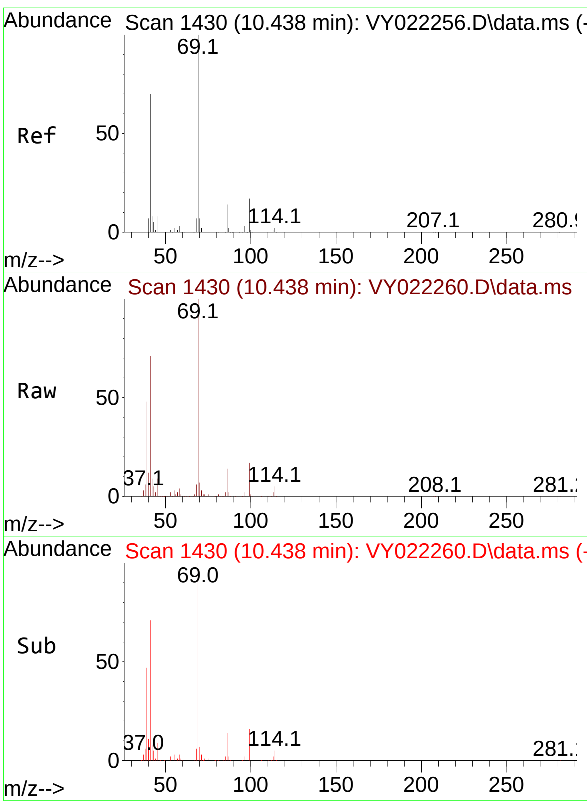
Instrument : MSVOA_Y
ClientSampleId : ICVVY051525

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

Tgt Ion: 97 Resp: 10646

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.3	105.5
85	56.6	46.2	69.4
99	62.4	50.3	75.5

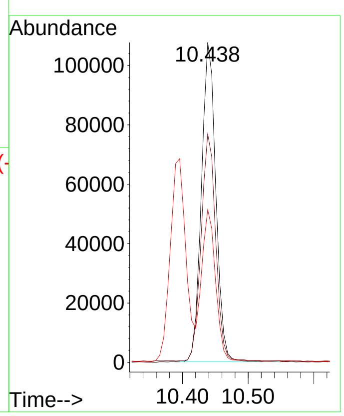




#56
Ethyl methacrylate
Concen: 50.639 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 69 Resp: 164207

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.5	84.7
39	45.6	37.1	55.7



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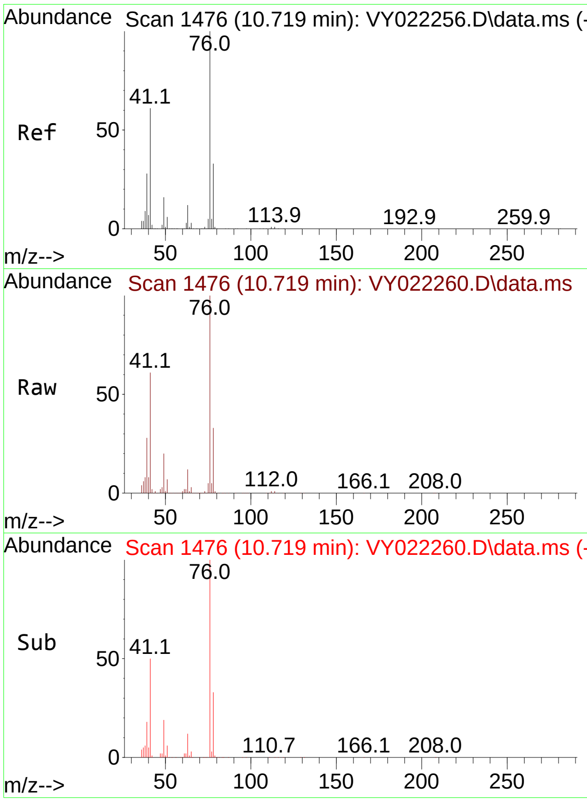


#57
1,3-Dichloropropane
Concen: 51.880 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

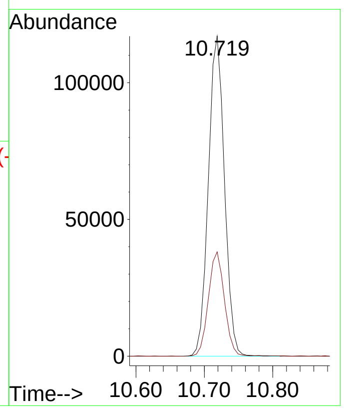
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

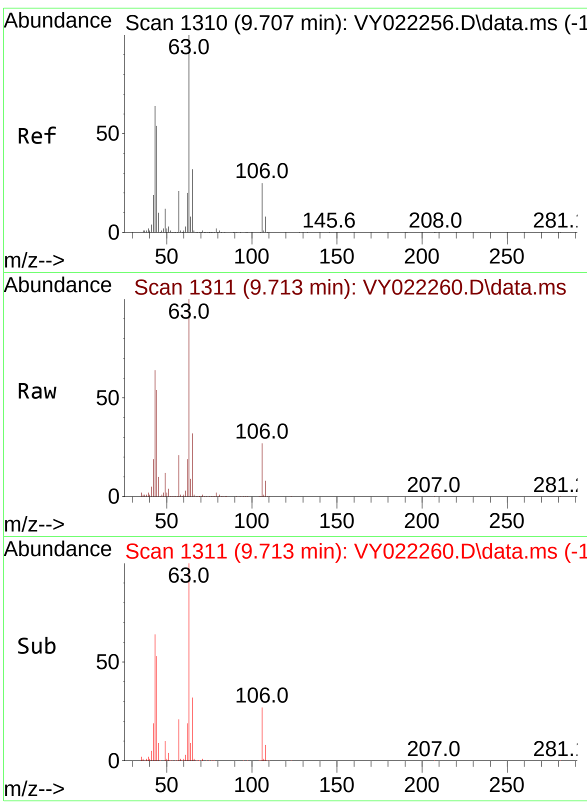
Tgt Ion: 76 Resp: 19188

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

Manual Integrations APPROVED

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

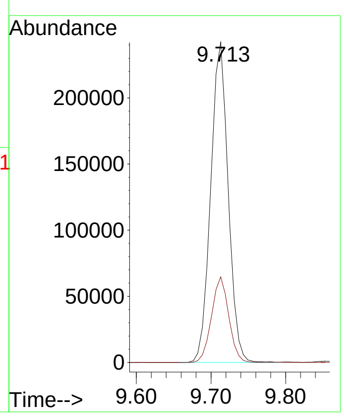


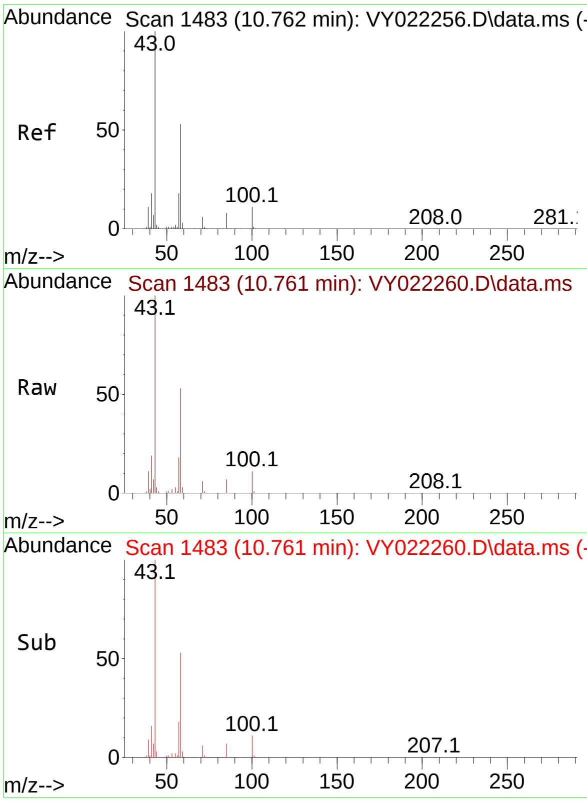


#58
2-Chloroethyl Vinyl ether
Concen: 271.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 394587

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4





#59
2-Hexanone
Concen: 257.738 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 37522

Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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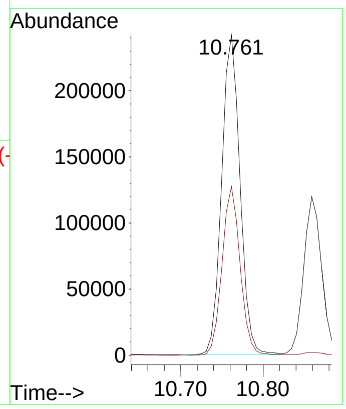
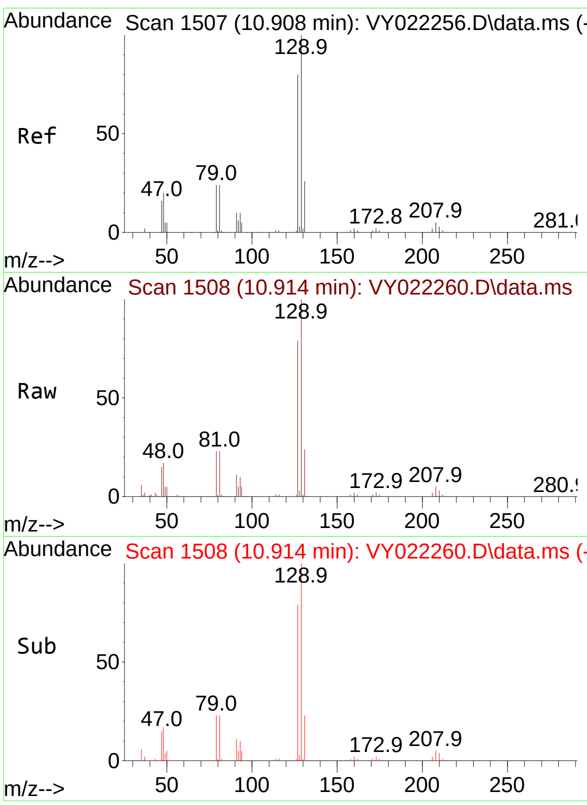
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

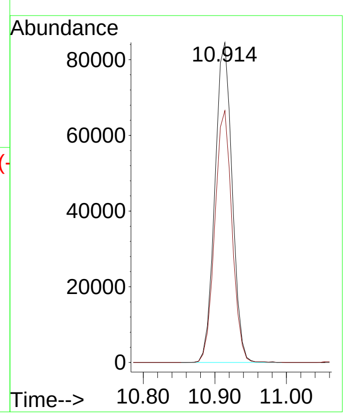




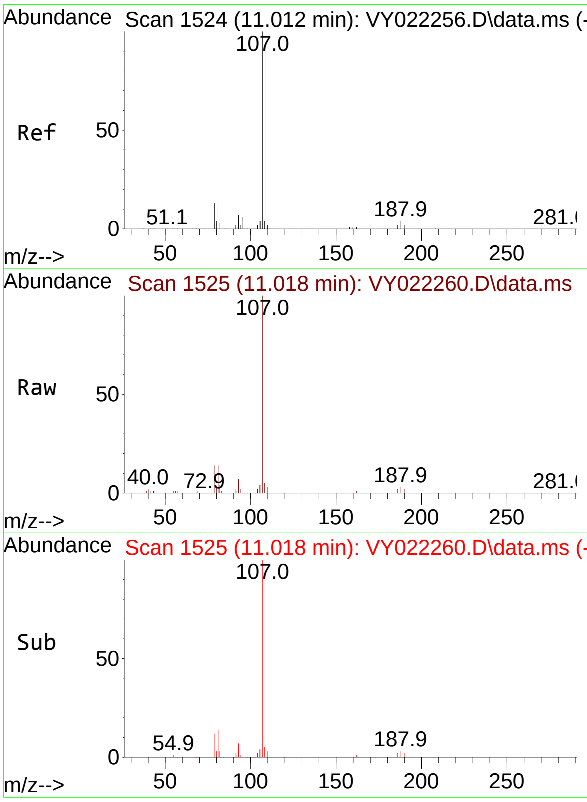
#60
Dibromochloromethane
Concen: 52.425 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:129 Resp: 141652

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7



ICAL Form



#61
1,2-Dibromoethane
Concen: 51.428 ug/l
RT: 11.018 min Scan# 1!
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

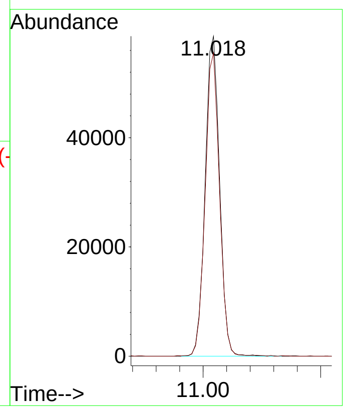
Tgt Ion:107 Resp: 9978

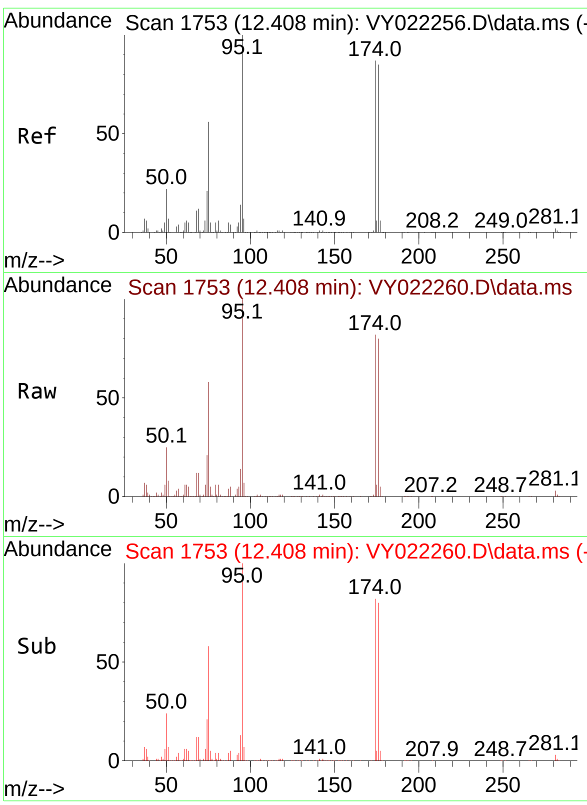
Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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

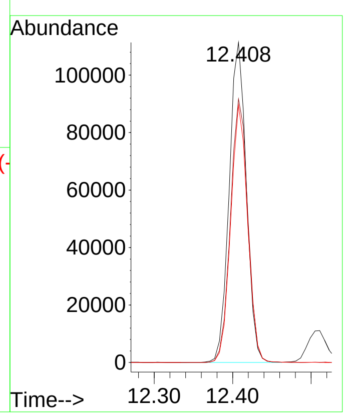




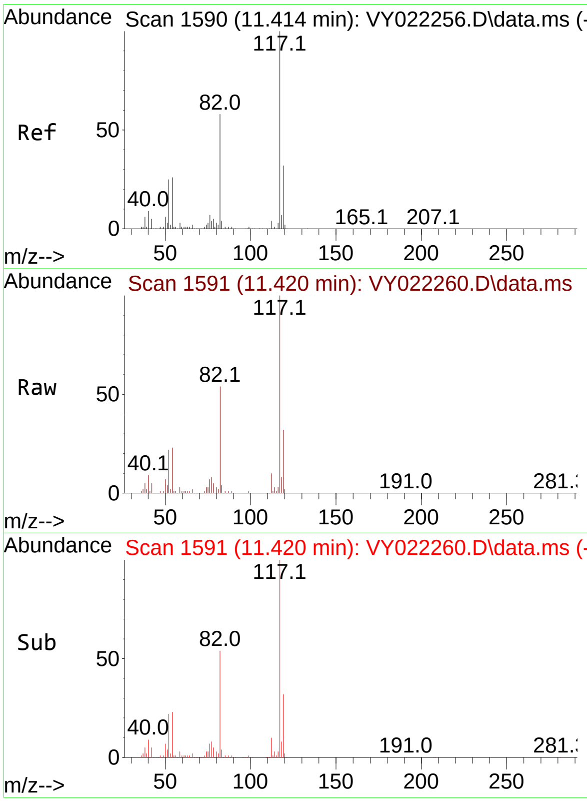
#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 95 Resp: 169575

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	166.8
176	79.1	0.0	160.8



ICAL Form



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1!
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 375548

Ion	Ratio	Lower	Upper
117	100		
82	54.1	46.6	70.0
119	31.8	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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Reviewed By :Mahesh Dadoda 05/16/2025
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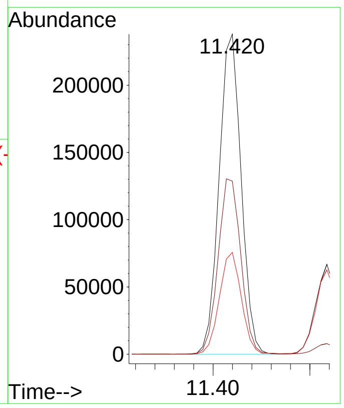
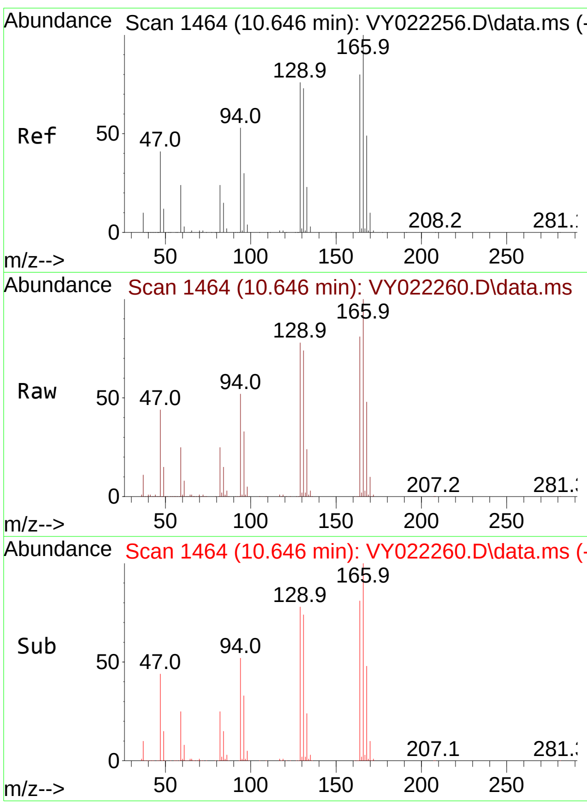
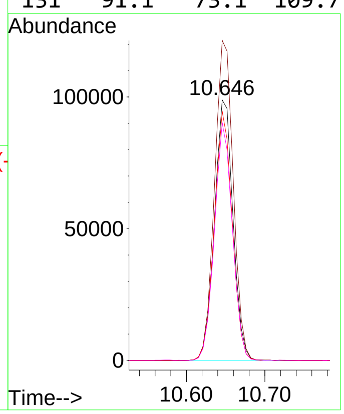


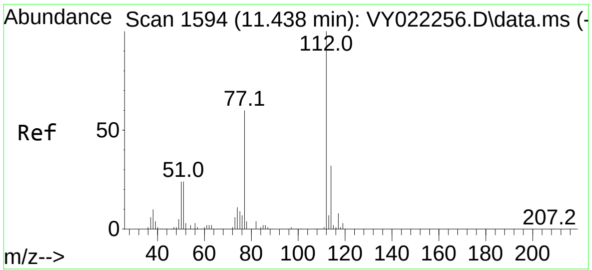


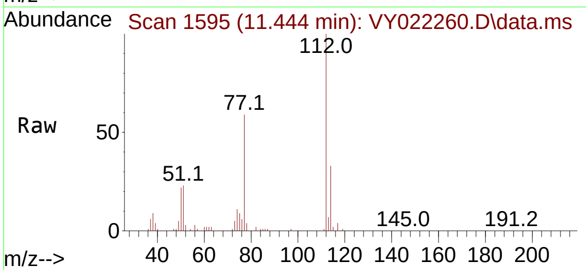
#64
Tetrachloroethene
Concen: 46.905 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

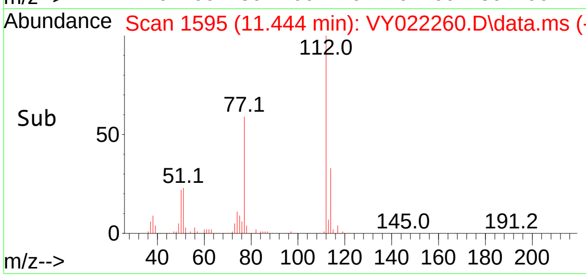
Tgt Ion:164 Resp: 162818

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	95.5	76.4	114.6
131	91.1	73.1	109.7









#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:112 Resp: 42217

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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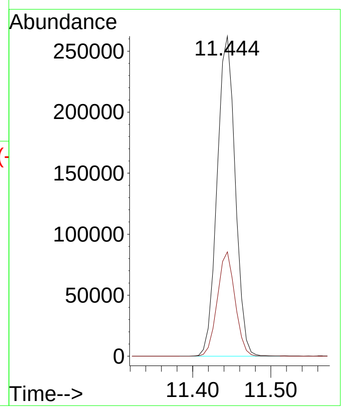
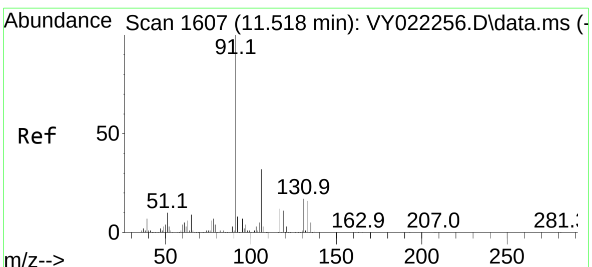
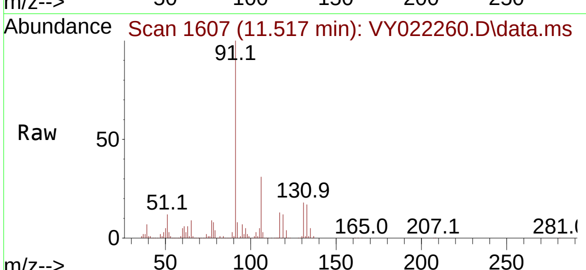
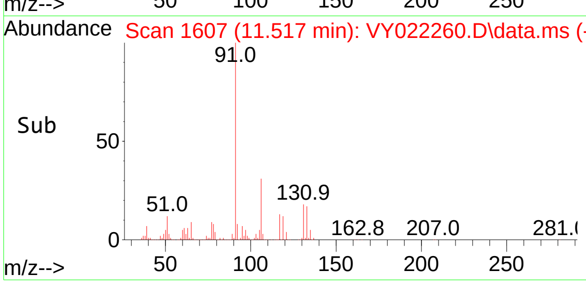
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





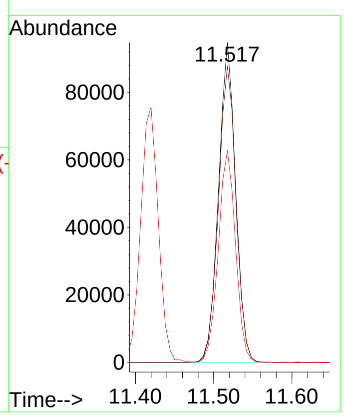




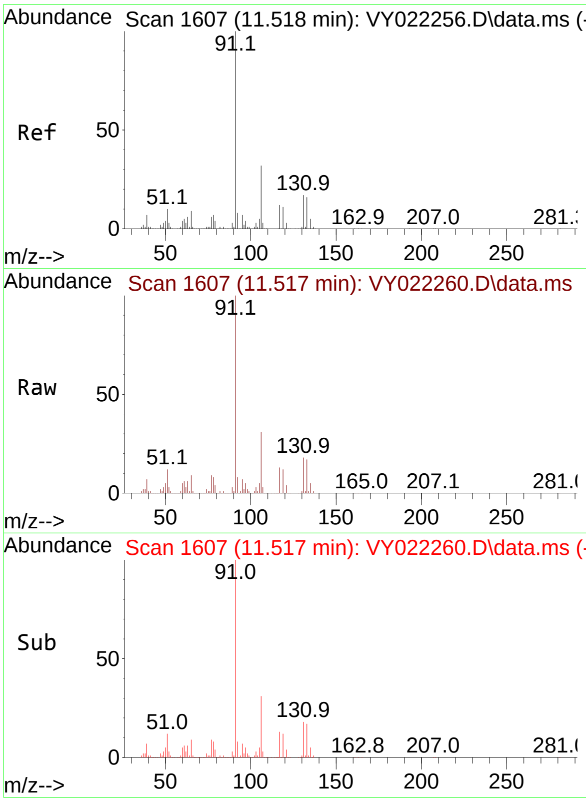
#66
1,1,1,2-Tetrachloroethane
Concen: 49.656 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:131 Resp: 144636

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	67.0	33.1	99.2



ICAL Form



#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 91 Resp: 79497

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0

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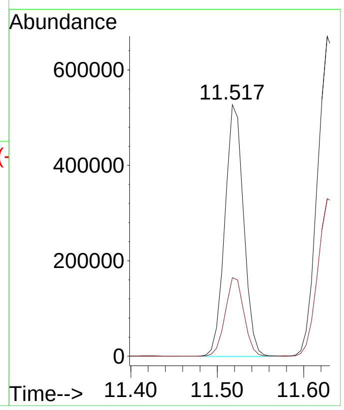
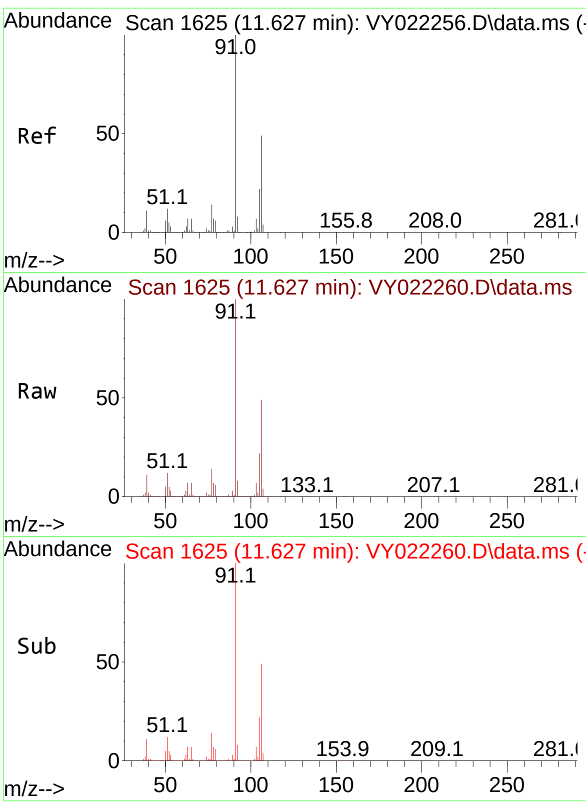
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

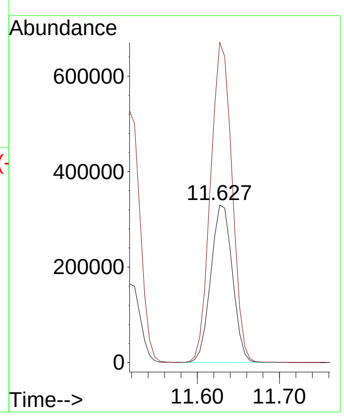


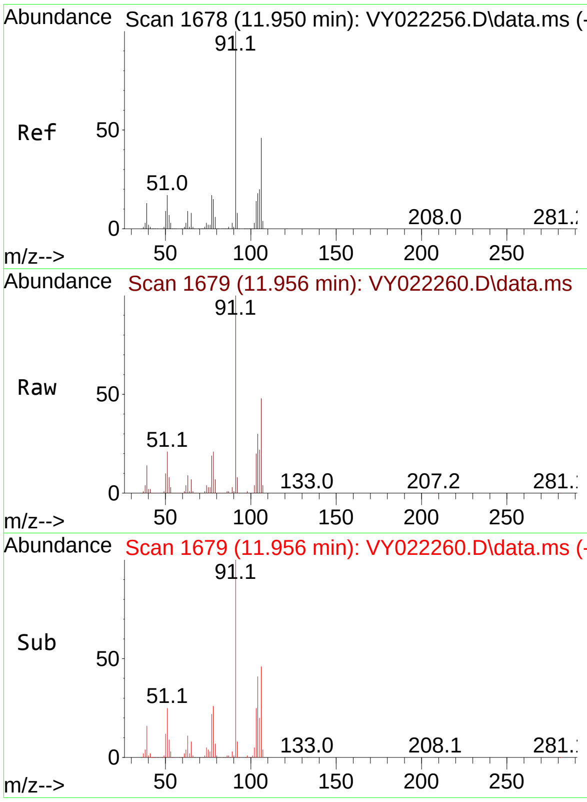


#68
m/p-Xylenes
Concen: 101.087 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 604420

Ion	Ratio	Lower	Upper
106	100		
91	202.6	163.0	244.4





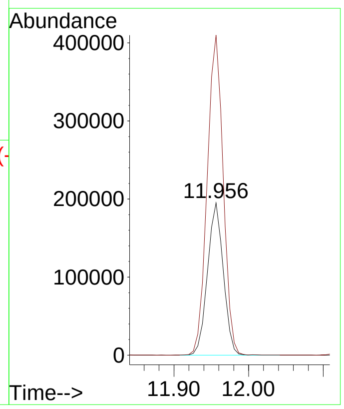
#69
o-Xylene
Concen: 50.682 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

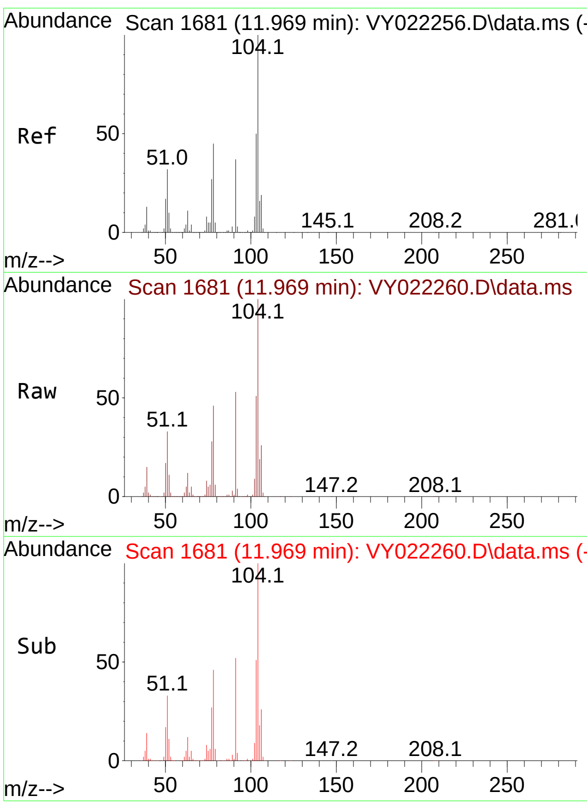
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:106 Resp: 28671

Ion	Ratio	Lower	Upper
106	100		
91	213.3	108.3	324.8

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

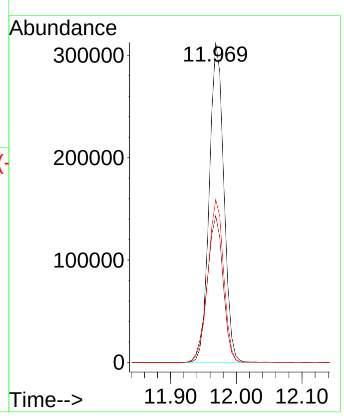




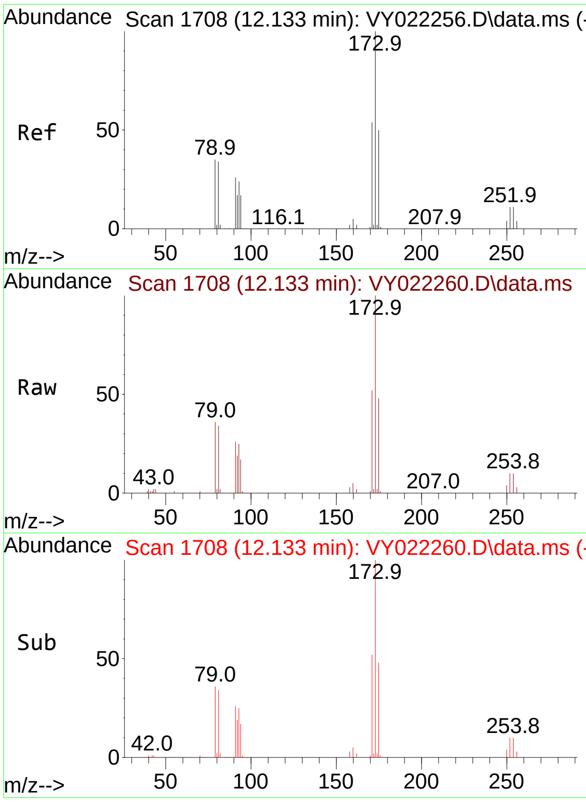
#70
Styrene
Concen: 50.471 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:104 Resp: 481621

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.9	61.3
103	55.1	43.7	65.5



ICAL Form



#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:173 Resp: 8021

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.0	0.0#

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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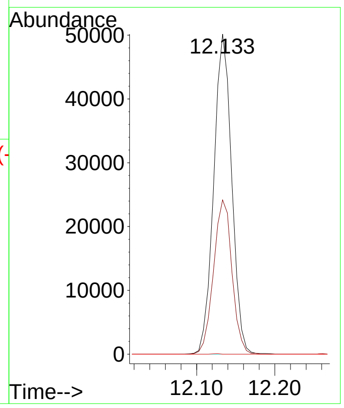
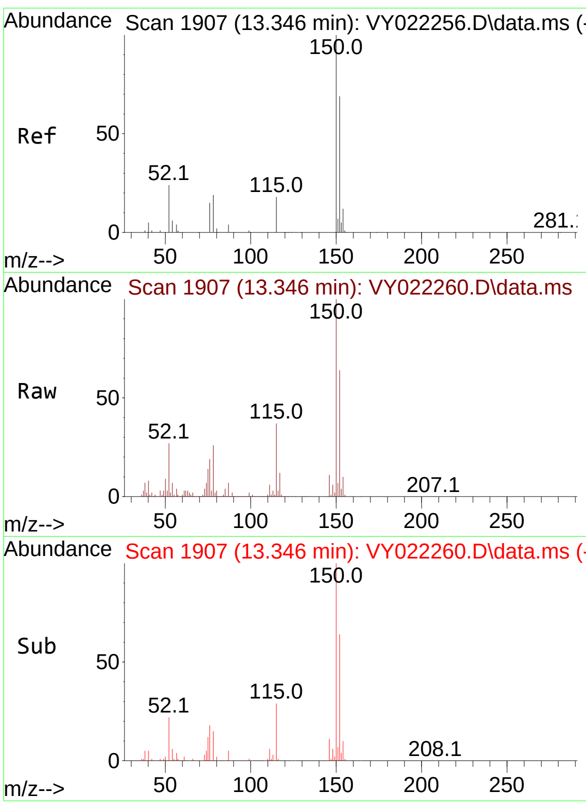
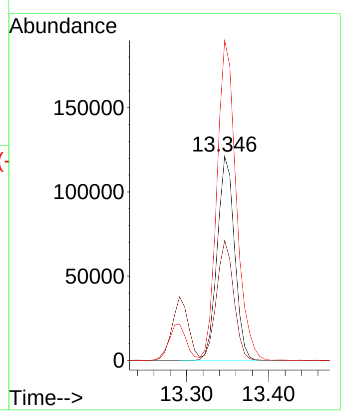




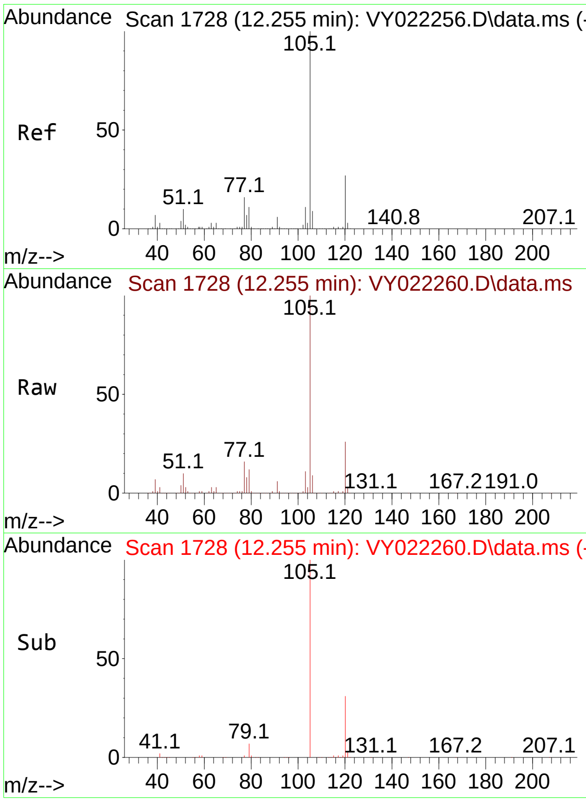
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:152 Resp: 178387

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	173.8	0.0	353.8



ICAL Form



#73
Isopropylbenzene
Concen: 49.964 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 738398

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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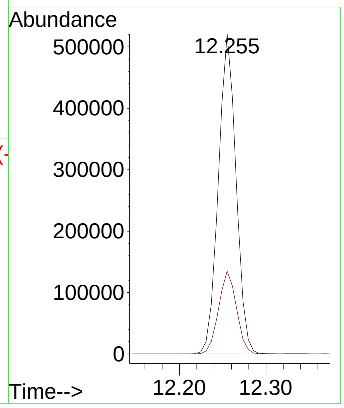
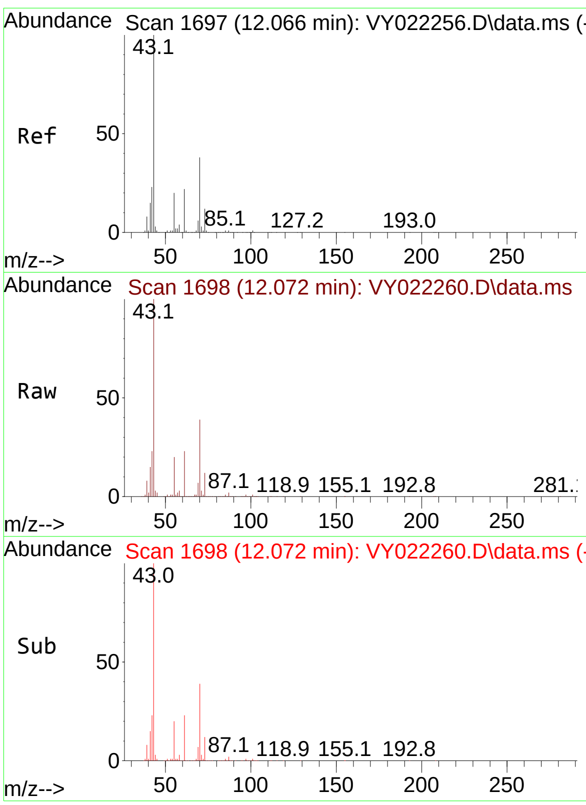
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

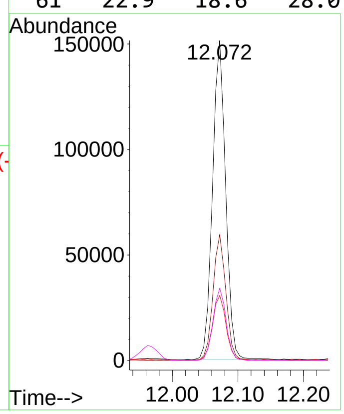




#74
N-amyl acetate
Concen: 49.805 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 210510

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.4	47.0
55	20.7	17.0	25.6
61	22.9	18.6	28.0



ICAL Form

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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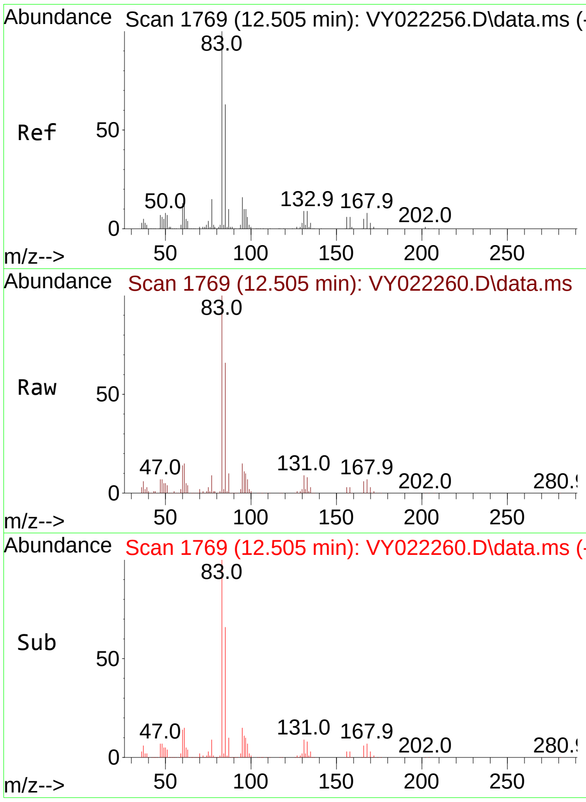
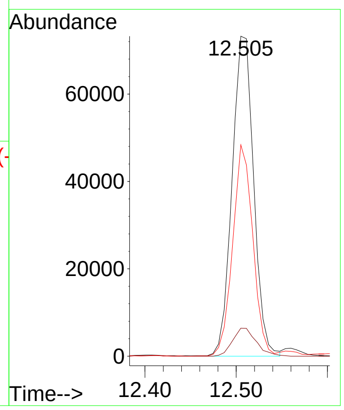
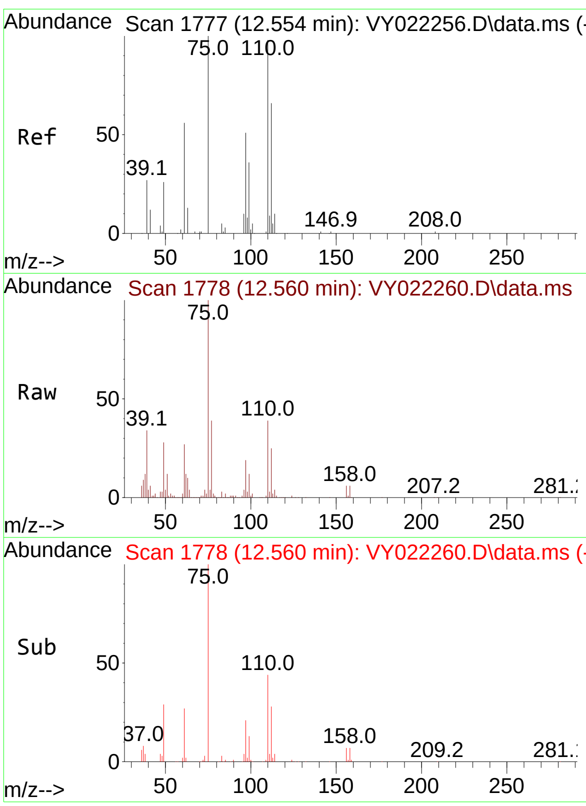


#75
1,1,2,2-Tetrachloroethane
Concen: 53.062 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 12059

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	61.7	32.0	96.0

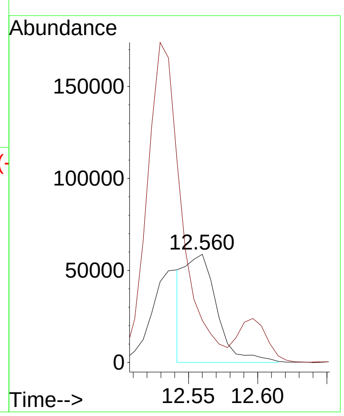




#76
1,2,3-Trichloropropane
Concen: 53.564 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 96804

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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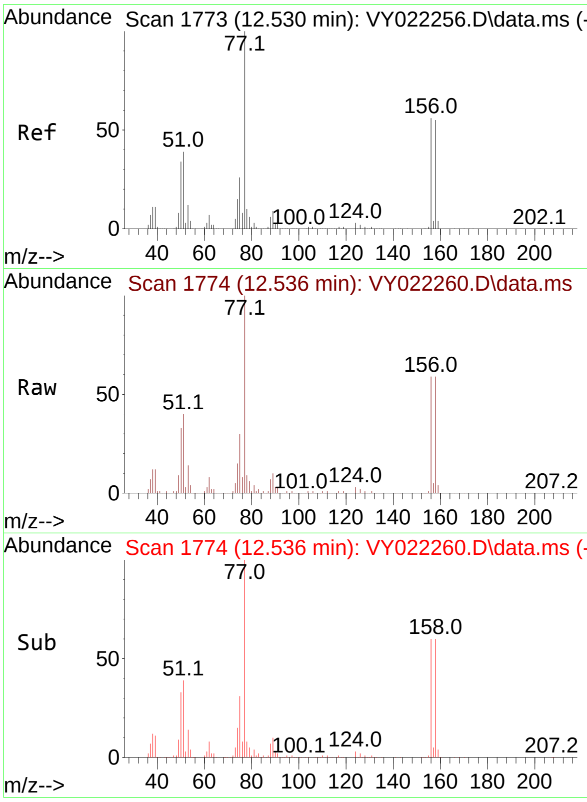

#77
Bromobenzene
Concen: 49.374 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:156 Resp: 155841

Ion	Ratio	Lower	Upper
156	100		
77	194.2	94.5	283.6
158	98.0	48.4	145.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
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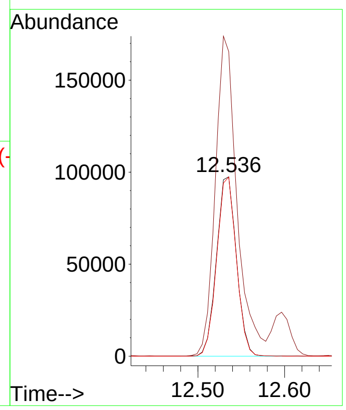
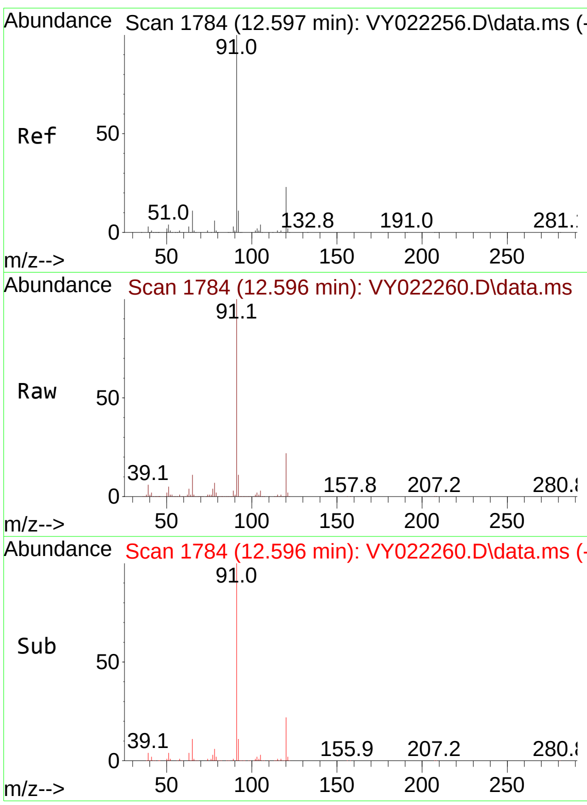
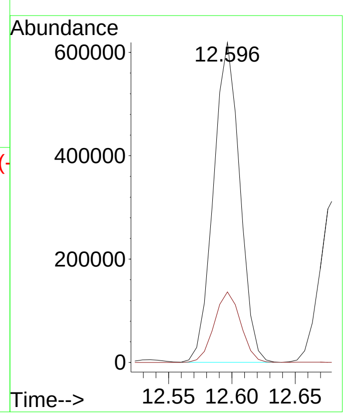




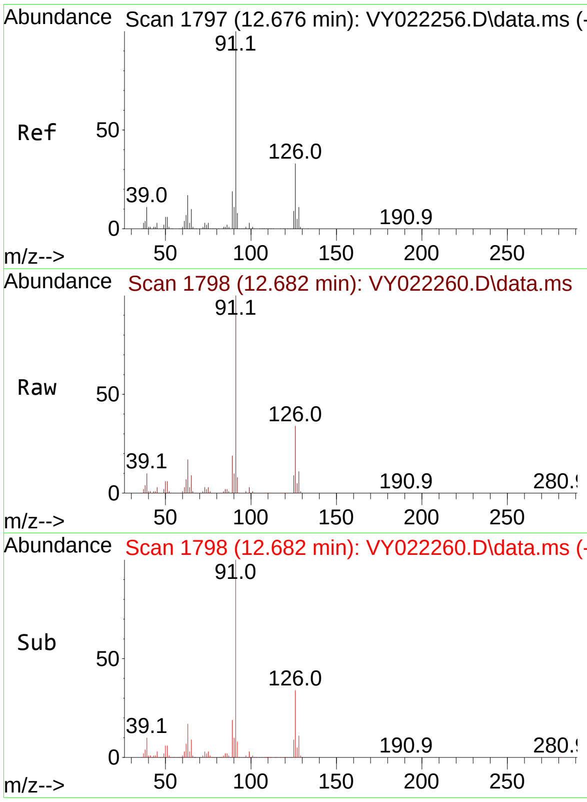
#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 896555

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



ICAL Form

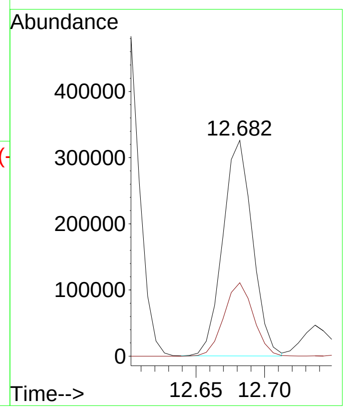


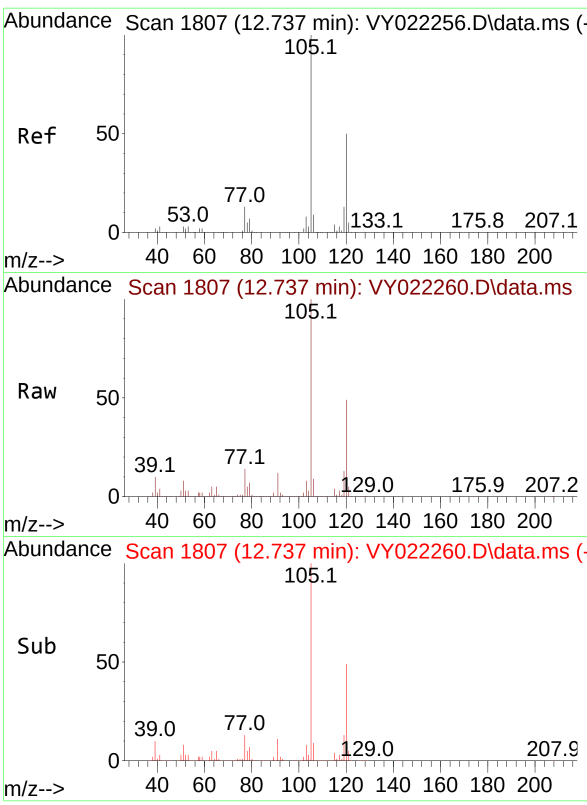
```
#79
2-Chlorotoluene
Concen:   50.130 ug/l
RT:  12.682 min  Scan# 1
Delta R.T.  0.006 min
Lab File:   VY022260.D
Acq: 15 May 2025  13:20

Tgt Ion: 91 Resp:  49107
Ion  Ratio  Lower  Upper
 91  100
126   33.8   16.8   50.4
```

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

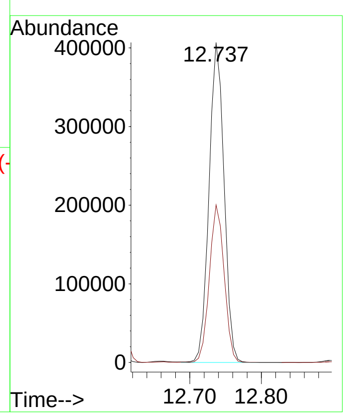
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

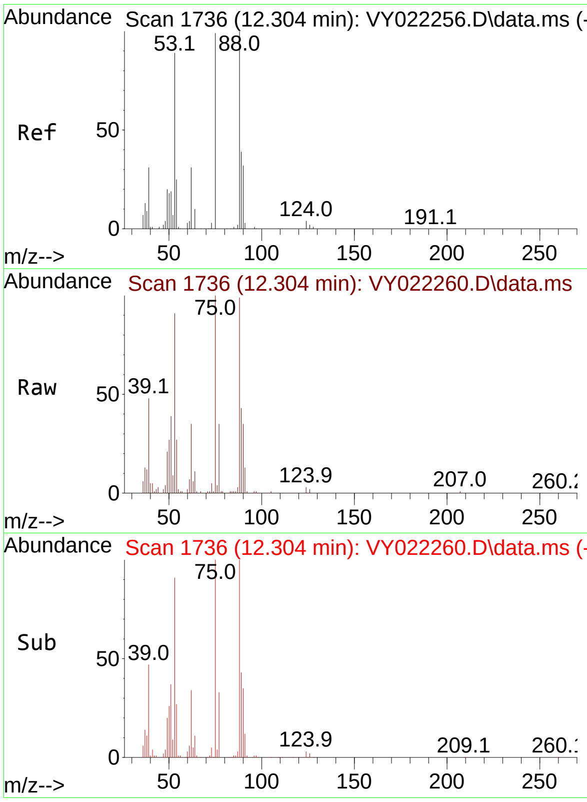




```
#80
1,3,5-Trimethylbenzene
Concen:   49.632 ug/l
RT:  12.737 min  Scan# 1807
Delta R.T.  -0.000 min
Lab File:   VY022260.D
Acq: 15 May 2025  13:20

Tgt Ion:105 Resp:  592100
Ion  Ratio  Lower  Upper
105  100
120   48.7   24.2   72.6
```





#81
trans-1,4-Dichloro-2-butene
Concen: 49.231 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

ICAL Form

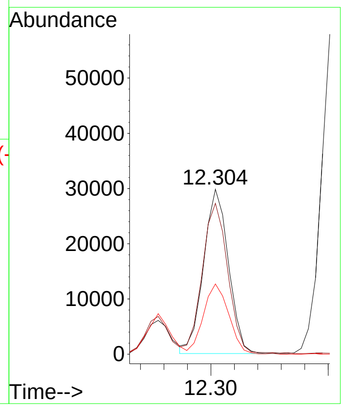
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

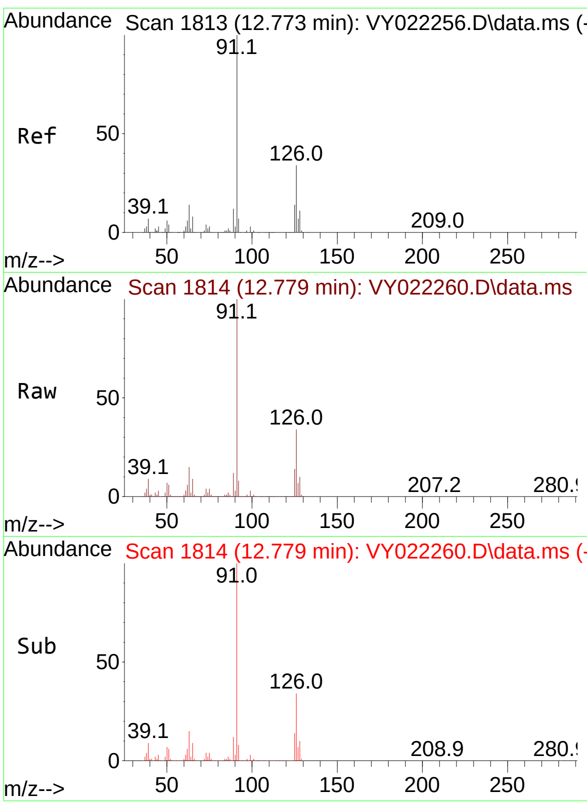
Tgt Ion: 75 Resp: 4392

Ion	Ratio	Lower	Upper
75	100		
53	94.1	75.8	113.8
89	43.4	36.2	54.2

Manual Integrations APPROVED

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

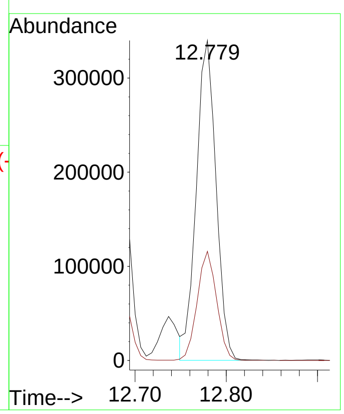




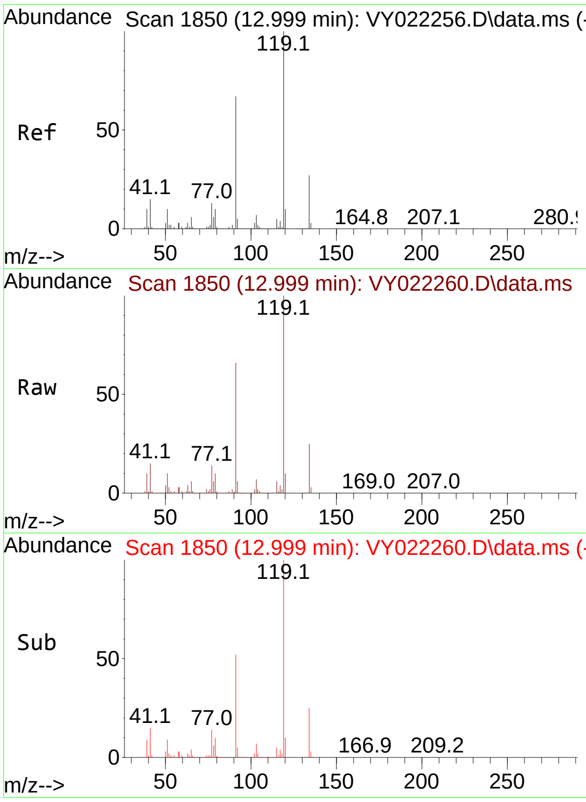
#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 510451

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4



ICAL Form



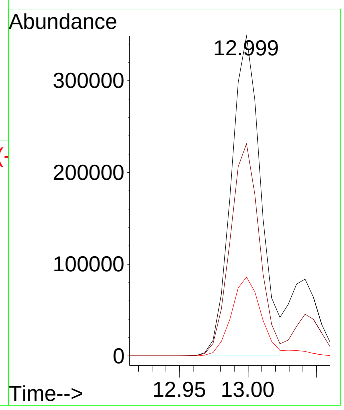
#83
tert-Butylbenzene
Concen: 49.715 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

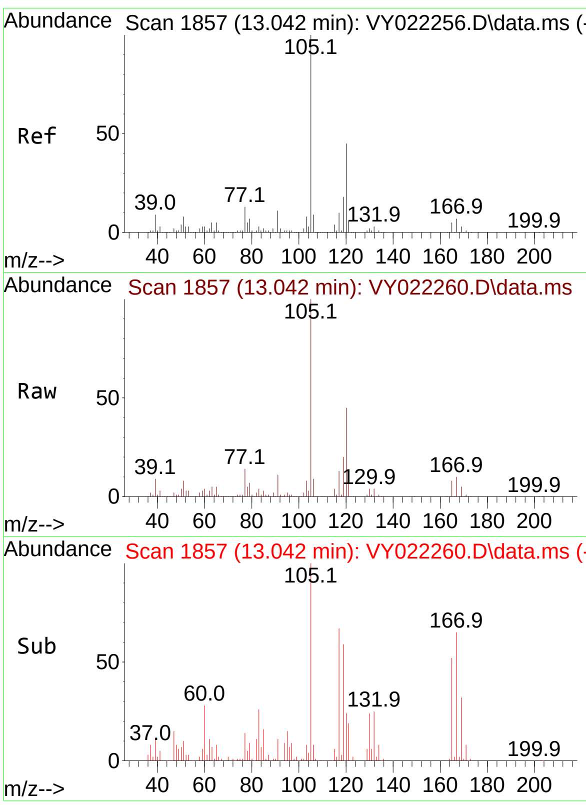
Tgt Ion:119 Resp: 52714

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.8	98.3
134	25.8	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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

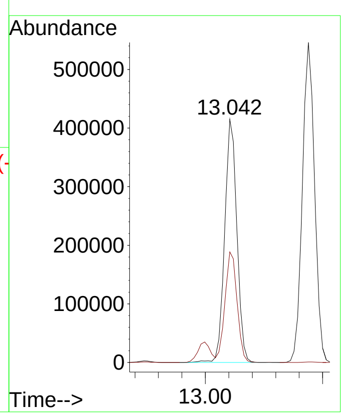




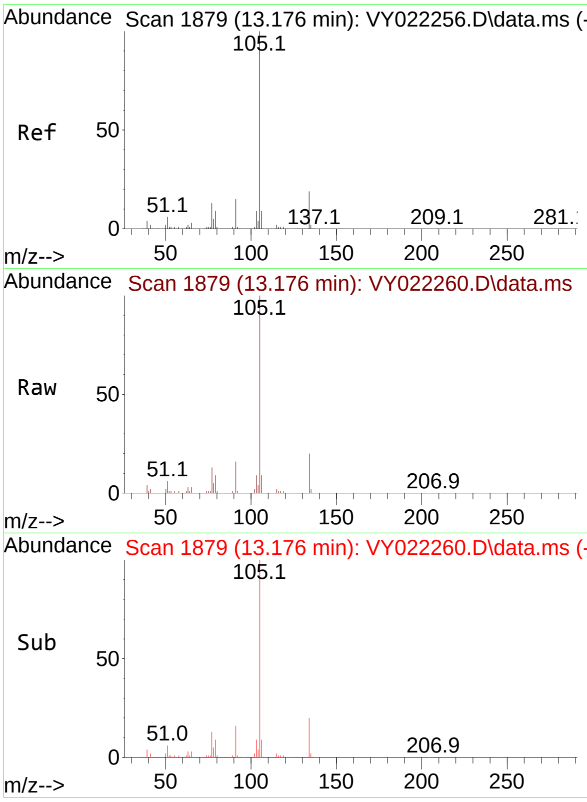
#84
1,2,4-Trimethylbenzene
Concen: 50.535 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 598450

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9



ICAL Form



#85
sec-Butylbenzene
Concen: 50.000 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

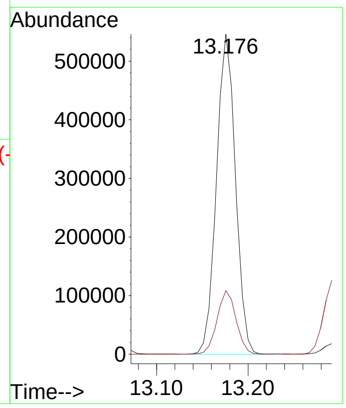
Tgt Ion:105 Resp: 78700

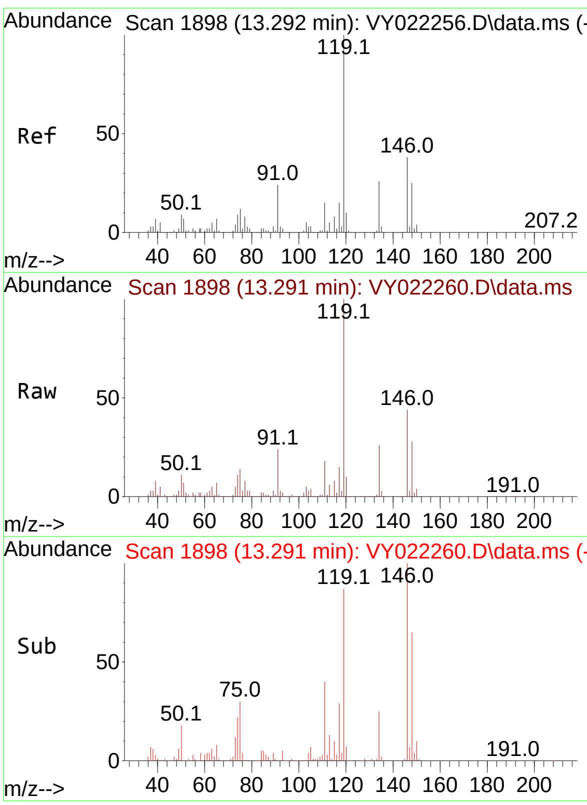
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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

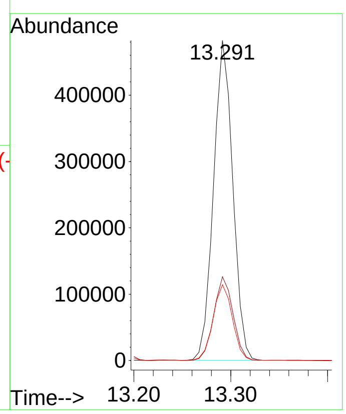


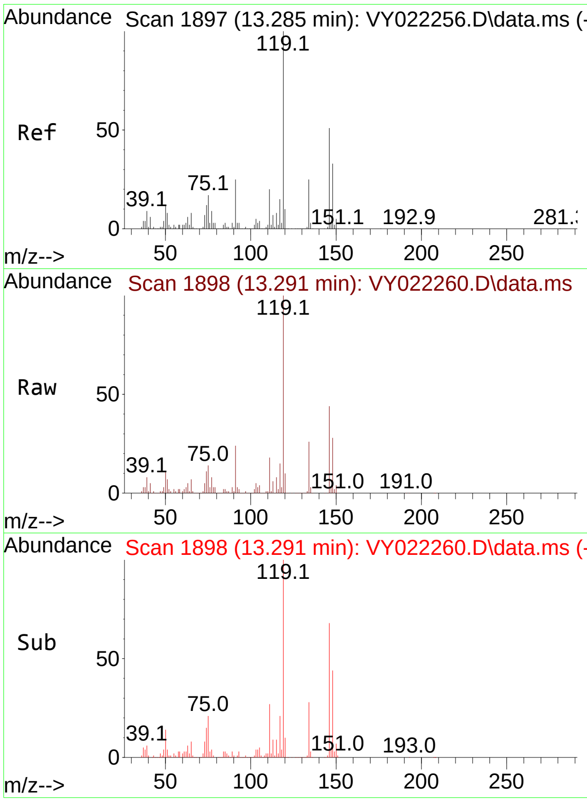


#86
p-Isopropyltoluene
Concen: 50.219 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 664795

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	23.8	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 49.718 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

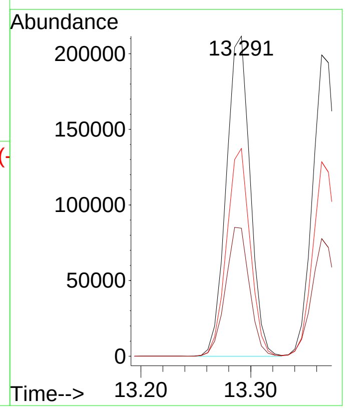
Tgt Ion:146 Resp: 32035

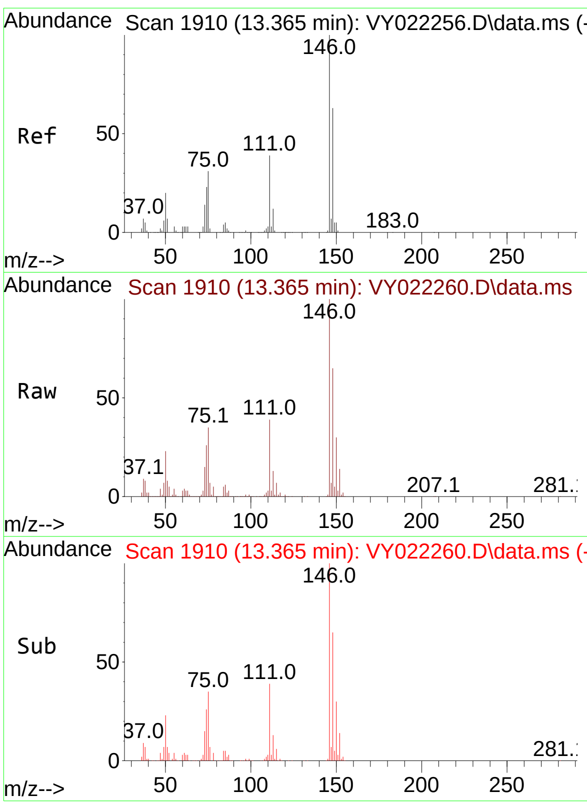
Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.8	31.9	95.7

Instrument : MSVOA_Y
ClientSampleId : ICVVY051525

Manual Integrations APPROVED

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

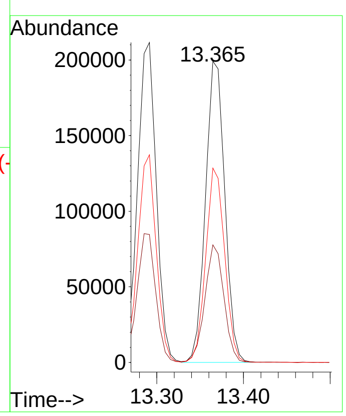




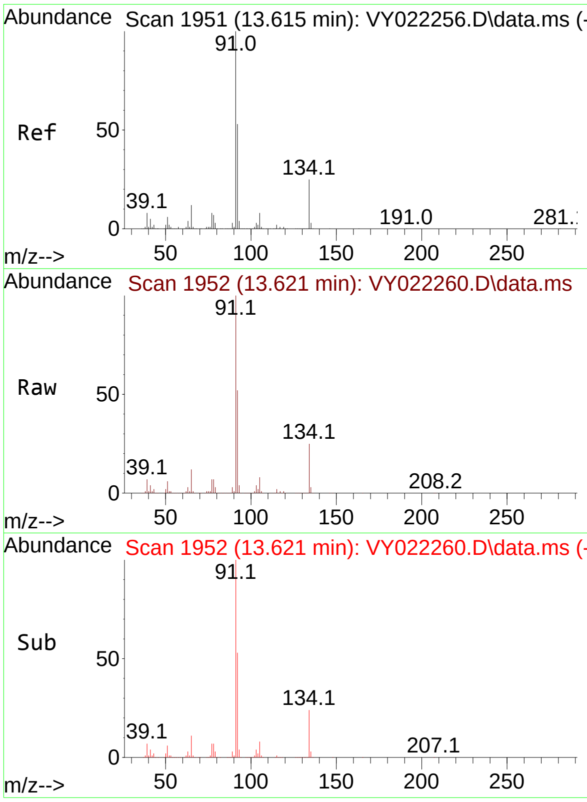
#88
1,4-Dichlorobenzene
Concen: 49.669 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:146 Resp: 307847

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.3	32.1	96.5



ICAL Form



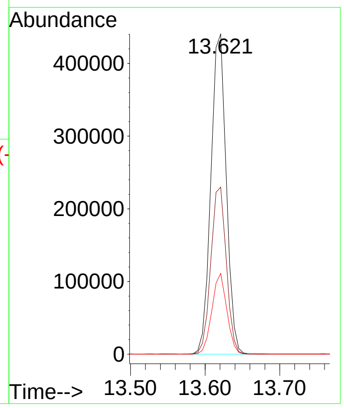
#89
n-Butylbenzene
Concen: 50.402 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

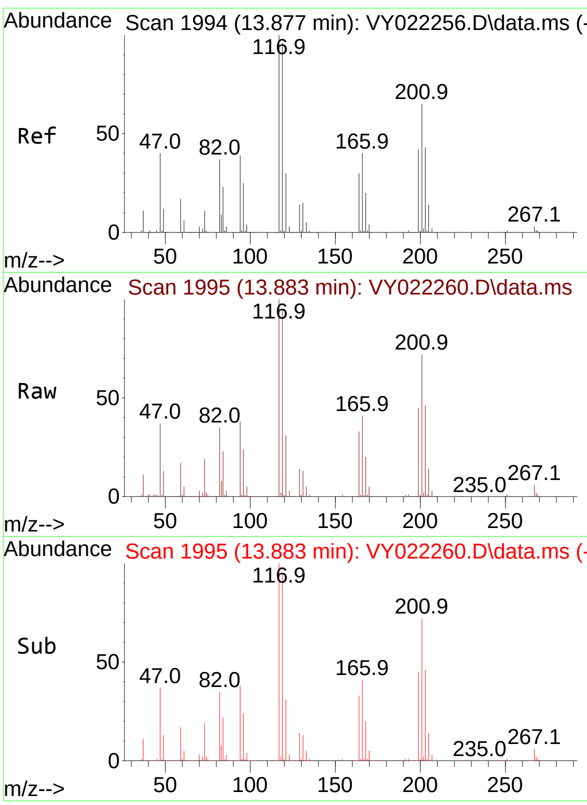
Tgt Ion: 91 Resp: 631222

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	24.6	12.4	37.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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

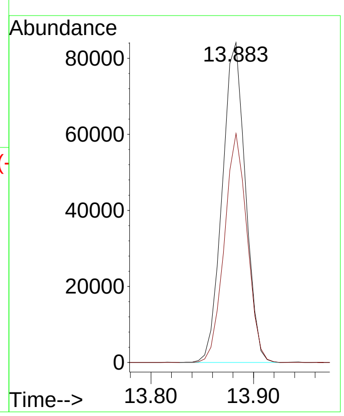


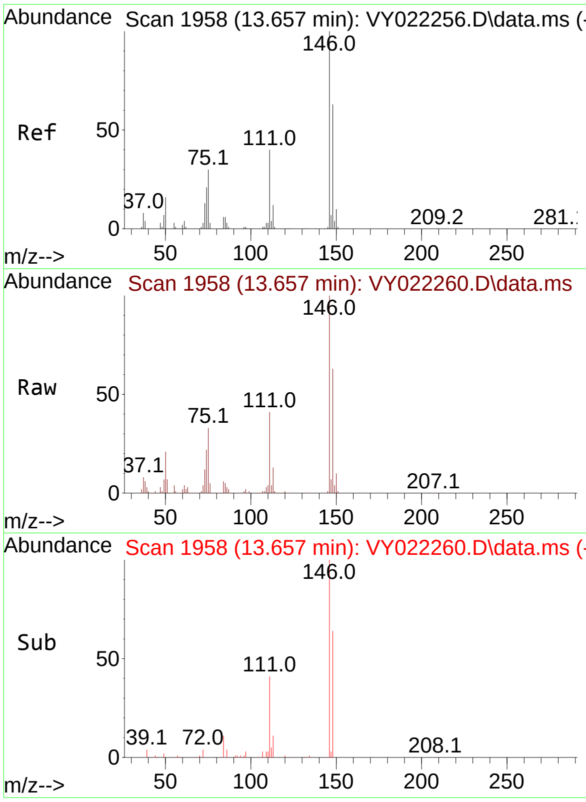


#90
Hexachloroethane
Concen: 49.502 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 132281

Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 49.954 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

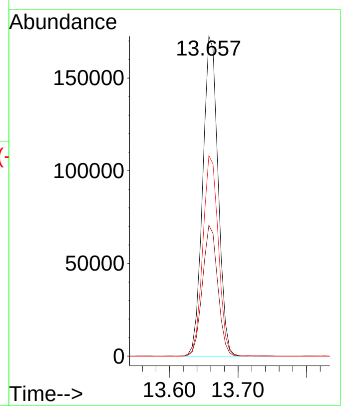
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

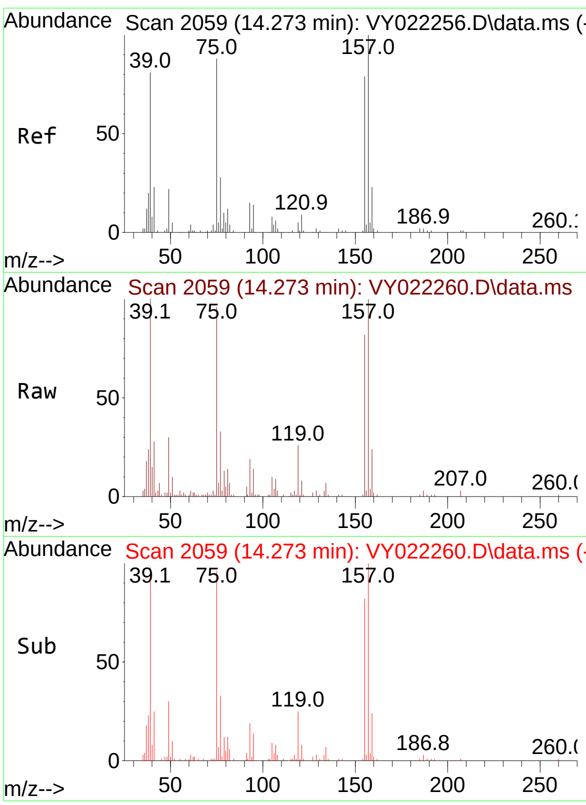
Manual Integrations
APPROVED

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

Tgt Ion:146 Resp: 27037

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.3	32.0	96.0

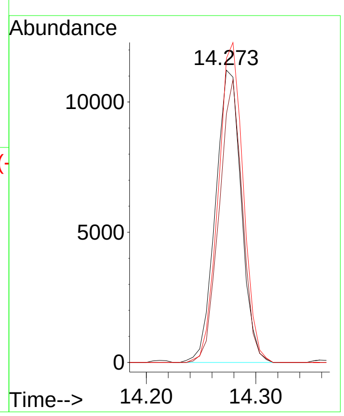




#92
1,2-Dibromo-3-Chloropropane
Concen: 50.028 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 18335

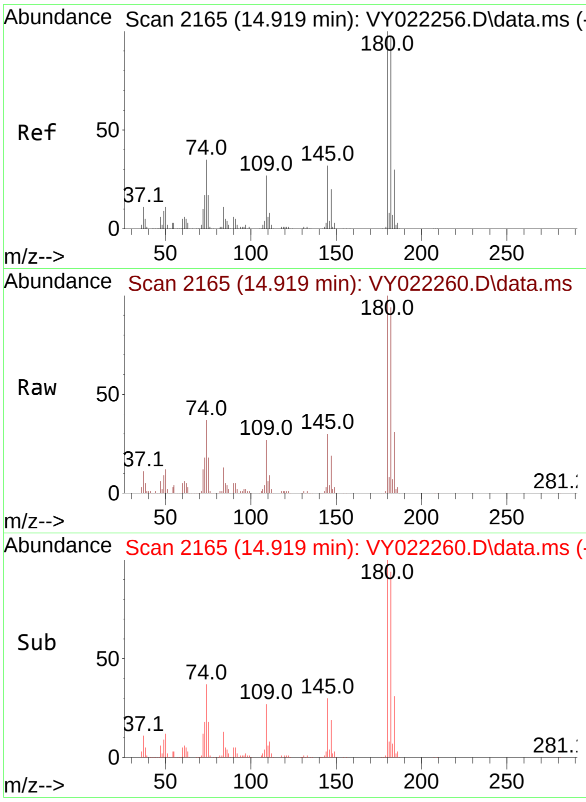
Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.4	130.1
157	105.9	54.6	163.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

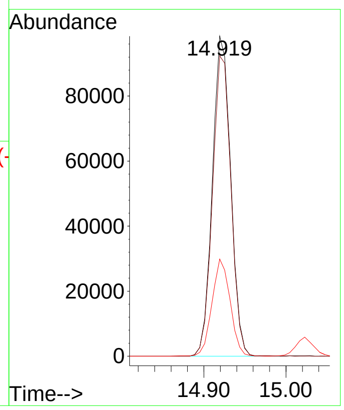
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

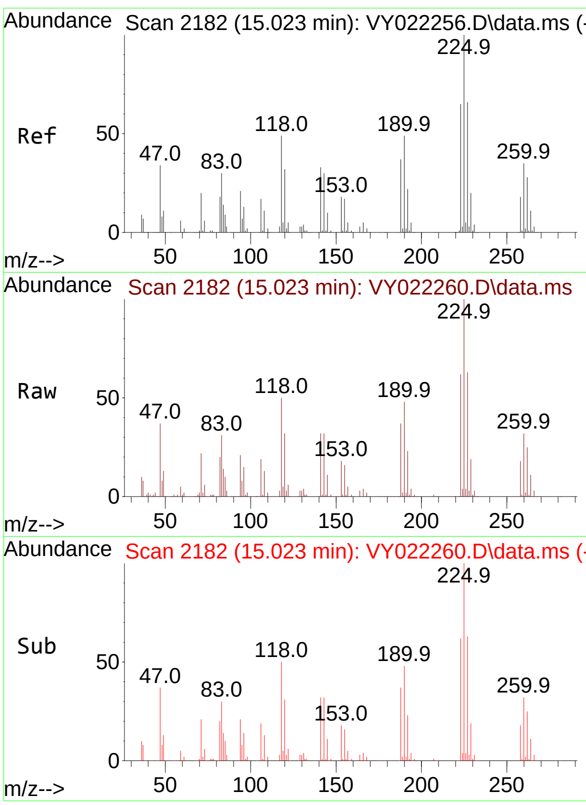


#93
1,2,4-Trichlorobenzene
Concen: 48.794 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 15254

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.0
145	30.1	15.0	45.1

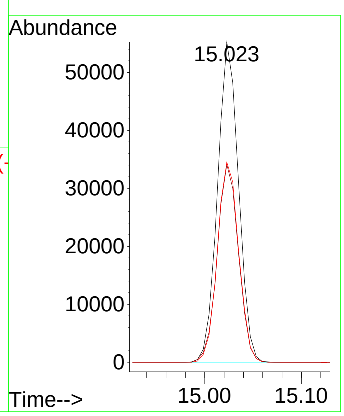




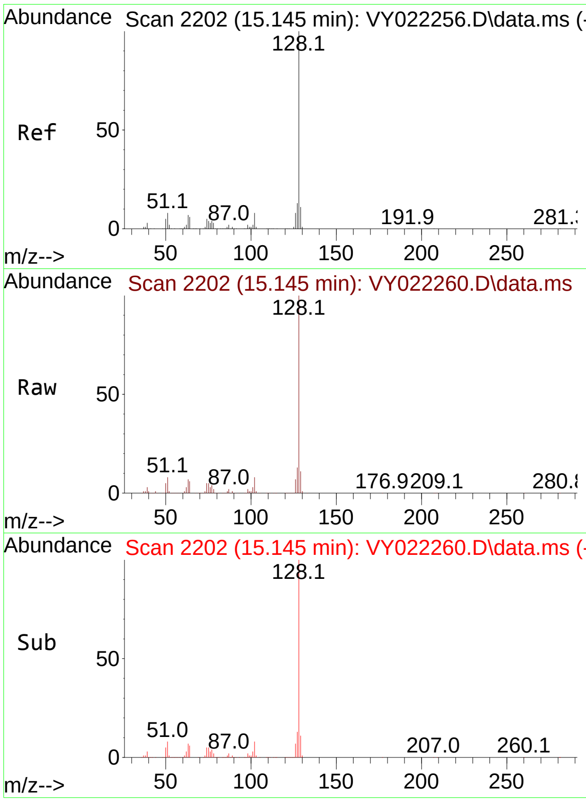
#94
Hexachlorobutadiene
Concen: 47.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:225 Resp: 83287

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.6	32.1	96.3



ICAL Form



#95
Naphthalene
Concen: 48.421 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

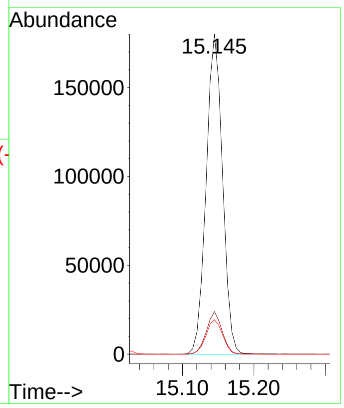
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

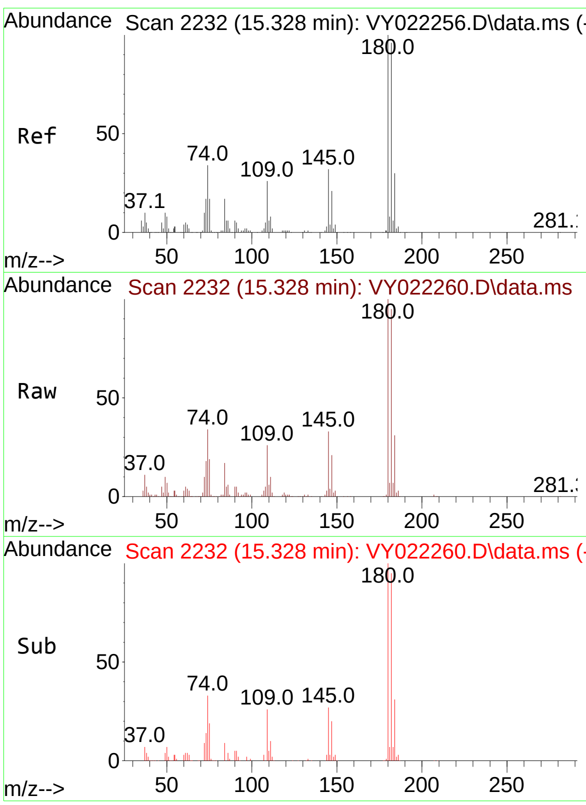
Tgt Ion:128 Resp: 28727

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations APPROVED

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

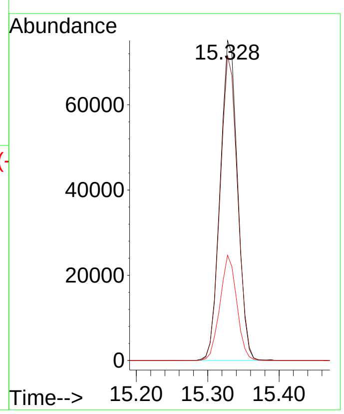




#96
1,2,3-Trichlorobenzene
Concen: 48.060 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 127466

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.6	15.9	47.6



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

#		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.522	0.516	1.1	96	0.00
3	P	Chloromethane	1.097	1.069	2.6	97	0.00
4	C	Vinyl Chloride	1.226	1.253	-2.2#	98	0.00
5	T	Bromomethane	0.998	0.968	3.0	104	0.00
6	T	Chloroethane	0.763	0.812	-6.4	101	0.00
7	T	Trichlorofluoromethane	1.241	1.271	-2.4	99	0.00
8	T	Diethyl Ether	0.298	0.310	-4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.556	-3.2	98	0.00
10	T	Methyl Iodide	0.624	0.619	0.8	85	0.00
11	T	Tert butyl alcohol	0.042	0.044	-4.8	108	0.00
12	CM	1,1-Dichloroethene	0.535	0.551	-3.0#	97	0.00
13	T	Acrolein	0.061	0.058	4.9	97	0.00
14	T	Allyl chloride	0.938	0.991	-5.7	98	0.00
15	T	Acrylonitrile	0.123	0.130	-5.7	102	0.00
16	T	Acetone	0.102	0.104	-2.0	105	0.00
17	T	Carbon Disulfide	1.744	1.806	-3.6	97	0.00
18	T	Methyl Acetate	0.323	0.384	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	1.475	1.566	-6.2	101	0.00
20	T	Methylene Chloride	0.662	0.626	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.609	-3.2	97	0.00
22	T	Diisopropyl ether	1.980	2.063	-4.2	98	0.00
23	T	Vinyl Acetate	1.196	1.211	-1.3	97	0.00
24	P	1,1-Dichloroethane	1.106	1.143	-3.3	97	0.00
25	T	2-Butanone	0.171	0.175	-2.3	103	0.00
26	T	2,2-Dichloropropane	0.984	1.027	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.715	-5.0	98	0.00
28	T	Bromochloromethane	0.472	0.494	-4.7	99	0.00
29	T	Tetrahydrofuran	0.110	0.117	-6.4	103	0.00
30	C	Chloroform	1.061	1.121	-5.7#	98	0.00
31	T	Cyclohexane	1.105	1.076	2.6	96	0.00
32	T	1,1,1-Trichloroethane	0.974	1.003	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.569	-4.2	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	100	0.00
36	T	1,1-Dichloropropene	0.492	0.496	-0.8	96	0.00
37	T	Ethyl Acetate	0.237	0.240	-1.3	100	0.00
38	T	Carbon Tetrachloride	0.509	0.514	-1.0	97	0.00
39	T	Methylcyclohexane	0.660	0.661	-0.2	96	0.00
40	TM	Benzene	1.457	1.507	-3.4	98	0.00
41	T	Methacrylonitrile	0.157	0.168	-7.0	104	0.02
42	TM	1,2-Dichloroethane	0.394	0.409	-3.8	99	0.00
43	T	Isopropyl Acetate	0.516	0.530	-2.7	101	0.00
44	TM	Trichloroethene	0.362	0.365	-0.8	96	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	99	0.00
46	T	Dibromomethane	0.189	0.195	-3.2	101	0.00
47	T	Bromodichloromethane	0.492	0.516	-4.9	100	0.00
48	T	Methyl methacrylate	0.241	0.248	-2.9	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	103	0.00
50	S	Toluene-d8	1.222	1.252	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.265	-4.7	102	0.00
52	CM	Toluene	0.923	0.947	-2.6#	98	0.00
53	T	t-1,3-Dichloropropene	0.480	0.494	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.571	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	0.243	0.248	-2.1	100	0.00
56	T	Ethyl methacrylate	0.378	0.383	-1.3	98	0.00
57	T	1,3-Dichloropropane	0.431	0.447	-3.7	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.184	-8.2	98	0.00
59	T	2-Hexanone	0.170	0.175	-2.9	103	0.00
60	T	Dibromochloromethane	0.315	0.330	-4.8	100	0.00
61	T	1,2-Dibromoethane	0.226	0.233	-3.1	100	0.00
62	S	4-Bromofluorobenzene	0.387	0.395	-2.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.462	0.434	6.1	91	0.00
65	PM	Chlorobenzene	1.128	1.124	0.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.385	0.8	97	0.00
67	C	Ethyl Benzene	2.113	2.117	-0.2#	97	0.00
68	T	m/p-Xylenes	0.796	0.805	-1.1	98	0.00
69	T	o-Xylene	0.753	0.763	-1.3	99	0.00
70	T	Styrene	1.270	1.282	-0.9	98	0.00
71	P	Bromoform	0.209	0.214	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	4.142	4.139	0.1	98	0.00
74	T	N-amyl acetate	1.185	1.180	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.676	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	0.507	0.543	-7.1	107	0.00
77	T	Bromobenzene	0.885	0.874	1.2	97	0.00
78	T	n-propylbenzene	4.996	5.026	-0.6	97	0.00
79	T	2-Chlorotoluene	2.746	2.753	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.319	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.246	1.6	103	0.00
82	T	4-Chlorotoluene	2.824	2.861	-1.3	97	0.00
83	T	tert-Butylbenzene	2.972	2.955	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.355	-1.1	97	0.00
85	T	sec-Butylbenzene	4.412	4.412	0.0	95	0.00
86	T	p-Isopropyltoluene	3.710	3.727	-0.5	97	0.00
87	T	1,3-Dichlorobenzene	1.806	1.796	0.6	97	0.00
88	T	1,4-Dichlorobenzene	1.737	1.726	0.6	98	0.00
89	T	n-Butylbenzene	3.510	3.538	-0.8	95	0.00
90	T	Hexachloroethane	0.749	0.742	0.9	96	0.00
91	T	1,2-Dichlorobenzene	1.517	1.516	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	102	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.855	2.4	94	0.00
94	T	Hexachlorobutadiene	0.489	0.467	4.5	92	0.00
95	T	Naphthalene	1.663	1.610	3.2	96	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.715	3.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	49.432	1.1	96	0.00
3	P	Chloromethane	50.000	48.719	2.6	97	0.00
4	C	Vinyl Chloride	50.000	51.111	-2.2#	98	0.00
5	T	Bromomethane	50.000	48.486	3.0	104	0.00
6	T	Chloroethane	50.000	53.234	-6.5	101	0.00
7	T	Trichlorofluoromethane	50.000	51.174	-2.3	99	0.00
8	T	Diethyl Ether	50.000	52.055	-4.1	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.564	-3.1	98	0.00
10	T	Methyl Iodide	50.000	49.606	0.8	85	0.00
11	T	Tert butyl alcohol	250.000	265.144	-6.1	108	0.00
12	CM	1,1-Dichloroethene	50.000	51.487	-3.0#	97	0.00
13	T	Acrolein	250.000	238.362	4.7	97	0.00
14	T	Allyl chloride	50.000	52.817	-5.6	98	0.00
15	T	Acrylonitrile	250.000	265.134	-6.1	102	0.00
16	T	Acetone	250.000	252.660	-1.1	105	0.00
17	T	Carbon Disulfide	50.000	51.765	-3.5	97	0.00
18	T	Methyl Acetate	50.000	59.461	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	50.000	53.096	-6.2	101	0.00
20	T	Methylene Chloride	50.000	47.298	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.552	-3.1	97	0.00
22	T	Diisopropyl ether	50.000	52.085	-4.2	98	0.00
23	T	Vinyl Acetate	250.000	253.098	-1.2	97	0.00
24	P	1,1-Dichloroethane	50.000	51.668	-3.3	97	0.00
25	T	2-Butanone	250.000	255.929	-2.4	103	0.00
26	T	2,2-Dichloropropane	50.000	52.191	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.479	-5.0	98	0.00
28	T	Bromochloromethane	50.000	52.305	-4.6	99	0.00
29	T	Tetrahydrofuran	250.000	264.847	-5.9	103	0.00
30	C	Chloroform	50.000	52.810	-5.6#	98	0.00
31	T	Cyclohexane	50.000	48.673	2.7	96	0.00
32	T	1,1,1-Trichloroethane	50.000	51.523	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.104	-4.2	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.658	-3.3	100	0.00
36	T	1,1-Dichloropropene	50.000	50.457	-0.9	96	0.00
37	T	Ethyl Acetate	50.000	50.633	-1.3	100	0.00
38	T	Carbon Tetrachloride	50.000	50.543	-1.1	97	0.00
39	T	Methylcyclohexane	50.000	50.015	-0.0	96	0.00
40	TM	Benzene	50.000	51.696	-3.4	98	0.00
41	T	Methacrylonitrile	50.000	53.599	-7.2	104	0.02
42	TM	1,2-Dichloroethane	50.000	51.834	-3.7	99	0.00
43	T	Isopropyl Acetate	50.000	51.415	-2.8	101	0.00
44	TM	Trichloroethene	50.000	50.335	-0.7	96	0.00
45	C	1,2-Dichloropropane	50.000	51.417	-2.8#	99	0.00
46	T	Dibromomethane	50.000	51.423	-2.8	101	0.00
47	T	Bromodichloromethane	50.000	52.508	-5.0	100	0.00
48	T	Methyl methacrylate	50.000	51.357	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1008.479	-0.8	103	0.00
50	S	Toluene-d8	50.000	51.229	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.463	-4.6	102	0.00
52	CM	Toluene	50.000	51.337	-2.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	51.458	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.916	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	50.000	51.142	-2.3	100	0.00
56	T	Ethyl methacrylate	50.000	50.639	-1.3	98	0.00
57	T	1,3-Dichloropropane	50.000	51.880	-3.8	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	271.104	-8.4	98	0.00
59	T	2-Hexanone	250.000	257.738	-3.1	103	0.00
60	T	Dibromochloromethane	50.000	52.425	-4.8	100	0.00
61	T	1,2-Dibromoethane	50.000	51.428	-2.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	51.020	-2.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.905	6.2	91	0.00
65	PM	Chlorobenzene	50.000	49.827	0.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.656	0.7	97	0.00
67	C	Ethyl Benzene	50.000	50.100	-0.2#	97	0.00
68	T	m/p-Xylenes	100.000	101.087	-1.1	98	0.00
69	T	o-Xylene	50.000	50.682	-1.4	99	0.00
70	T	Styrene	50.000	50.471	-0.9	98	0.00
71	P	Bromoform	50.000	51.022	-2.0	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	49.964	0.1	98	0.00
74	T	N-amyl acetate	50.000	49.805	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	53.564	-7.1	107	0.00
77	T	Bromobenzene	50.000	49.374	1.3	97	0.00
78	T	n-propylbenzene	50.000	50.296	-0.6	97	0.00
79	T	2-Chlorotoluene	50.000	50.130	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.632	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.231	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	97	0.00
83	T	tert-Butylbenzene	50.000	49.715	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.535	-1.1	97	0.00
85	T	sec-Butylbenzene	50.000	50.000	0.0	95	0.00
86	T	p-Isopropyltoluene	50.000	50.219	-0.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	49.718	0.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	49.669	0.7	98	0.00
89	T	n-Butylbenzene	50.000	50.402	-0.8	95	0.00
90	T	Hexachloroethane	50.000	49.502	1.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.954	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.028	-0.1	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.794	2.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.770	4.5	92	0.00
95	T	Naphthalene	50.000	48.421	3.2	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.060	3.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VD080317.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date/Time: 05/14/2025 12:25

Lab File ID: VD080317.D Init. Calib. Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.543	0.436		-19.7	20
Chloromethane	1.039	0.814	0.1	-21.66	20
Vinyl Chloride	1.300	1.137		-12.54	20
Bromomethane	0.936	0.779		-16.77	20
Chloroethane	0.919	0.846		-7.94	20
Trichlorofluoromethane	0.997	1.006		0.9	20
1,1,2-Trichlorotrifluoroethane	0.614	0.614		0	20
1,1-Dichloroethene	0.605	0.601		-0.66	20
Acetone	0.119	0.127		6.72	20
Carbon Disulfide	2.102	1.931		-8.14	20
Methyl tert-butyl Ether	1.330	1.424		7.07	20
Methyl Acetate	0.418	0.354		-15.31	20
Methylene Chloride	0.825	0.727		-11.88	20
trans-1,2-Dichloroethene	0.658	0.677		2.89	20
1,1-Dichloroethane	1.234	1.235	0.1	0.08	20
Cyclohexane	1.050	1.017		-3.14	20
2-Butanone	0.178	0.179		0.56	20
Carbon Tetrachloride	0.522	0.606		16.09	20
cis-1,2-Dichloroethene	0.729	0.772		5.9	20
Bromochloromethane	0.575	0.481		-16.35	20
Chloroform	1.231	1.284		4.3	20
1,1,1-Trichloroethane	1.004	1.082		7.77	20
Methylcyclohexane	0.581	0.680		17.04	20
Benzene	1.569	1.746		11.28	20
1,2-Dichloroethane	0.455	0.494		8.57	20
Trichloroethene	0.364	0.417		14.56	20
1,2-Dichloropropane	0.402	0.459		14.18	20
Bromodichloromethane	0.556	0.625		12.41	20
4-Methyl-2-Pentanone	0.245	0.267		8.98	20
Toluene	0.945	1.116		18.09	20
t-1,3-Dichloropropene	0.507	0.565		11.44	20
cis-1,3-Dichloropropene	0.588	0.678		15.31	20
1,1,2-Trichloroethane	0.290	0.333		14.83	20
2-Hexanone	0.168	0.190		13.1	20
Dibromochloromethane	0.363	0.436		20.11	20
1,2-Dibromoethane	0.269	0.309		14.87	20
Tetrachloroethene	0.339	0.392		15.63	20
Chlorobenzene	1.129	1.250	0.3	10.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VD080317.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date/Time: 05/14/2025 12:25

Lab File ID: VD080317.D Init. Calib. Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.887	2.227		18.02	20
m/p-Xylenes	0.733	0.893		21.83	20
o-Xylene	0.669	0.794		18.68	20
Styrene	1.202	1.446		20.3	20
Bromoform	0.230	0.268	0.1	16.52	20
Isopropylbenzene	3.243	3.804		17.3	20
1,1,2,2-Tetrachloroethane	0.713	0.750	0.3	5.19	20
1,3-Dichlorobenzene	1.755	1.987		13.22	20
1,4-Dichlorobenzene	1.769	1.938		9.55	20
1,2-Dichlorobenzene	1.524	1.732		13.65	20
1,2-Dibromo-3-Chloropropane	0.114	0.120		5.26	20
1,2,4-Trichlorobenzene	0.959	1.090		13.66	20
1,2,3-Trichlorobenzene	0.857	0.960		12.02	20
1,2-Dichloroethane-d4	0.647	0.574		-11.28	20
Dibromofluoromethane	0.335	0.347		3.58	20
Toluene-d8	1.320	1.360		3.03	20
4-Bromofluorobenzene	0.424	0.439		3.54	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VD080317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	122311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	190669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	180076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	99603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	70263	44.423	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.840%			
35) Dibromofluoromethane	7.806	113	66257	51.847	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.700%			
50) Toluene-d8	10.270	98	259287	51.495	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.980%			
62) 4-Bromofluorobenzene	12.570	95	83786	51.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	53356	49.582	ug/l	99
3) Chloromethane	2.153	50	99551	47.083	ug/l	97
4) Vinyl Chloride	2.282	62	139030	43.724	ug/l	100
5) Bromomethane	2.688	94	95302	41.638	ug/l	99
6) Chloroethane	2.835	64	103509	46.041	ug/l	94
7) Trichlorofluoromethane	3.171	101	123085	50.483	ug/l	98
8) Diethyl Ether	3.594	74	36321	48.260	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.959	101	75154	50.029	ug/l	99
10) Methyl Iodide	4.165	142	83443	54.490	ug/l	99
11) Tert butyl alcohol	5.070	59	21116	220.008	ug/l	99
12) 1,1-Dichloroethene	3.941	96	73509	49.635	ug/l	92
13) Acrolein	3.800	56	14663	86.829	ug/l	99
14) Allyl chloride	4.553	41	111408	47.831	ug/l	100
15) Acrylonitrile	5.259	53	86708	239.638	ug/l	99
16) Acetone	4.029	43	77842	322.964	ug/l	100
17) Carbon Disulfide	4.271	76	236209	45.930	ug/l	98
18) Methyl Acetate	4.565	43	43345	42.351	ug/l	97
19) Methyl tert-butyl Ether	5.318	73	174124	53.518	ug/l	99
20) Methylene Chloride	4.800	84	88943	52.874	ug/l	89
21) trans-1,2-Dichloroethene	5.312	96	82809	51.469	ug/l	98
22) Diisopropyl ether	6.217	45	247650	51.615	ug/l	98
23) Vinyl Acetate	6.159	43	723477	258.895	ug/l	98
24) 1,1-Dichloroethane	6.112	63	151012	50.017	ug/l	98
25) 2-Butanone	7.082	43	109254	251.047	ug/l	98
26) 2,2-Dichloropropane	7.076	77	128841	53.628	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	94485	53.005	ug/l	96
28) Bromochloromethane	7.423	49	58777	41.811	ug/l #	95
29) Tetrahydrofuran	7.447	42	70004	246.707	ug/l	99
30) Chloroform	7.600	83	157029	52.154	ug/l	98
31) Cyclohexane	7.876	56	124370	48.400	ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	132391	53.896	ug/l	98
36) 1,1-Dichloropropene	8.006	75	110616	57.917	ug/l	97
37) Ethyl Acetate	7.170	43	51554	51.620	ug/l	98
38) Carbon Tetrachloride	7.994	117	115458	57.966	ug/l	93
39) Methylcyclohexane	9.270	83	129696	58.521	ug/l	95
40) Benzene	8.253	78	332854	55.621	ug/l	99

Quantitation Report (QT Reviewed)

Sample Results: **VD080317.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On    : 14 May 2025  12:25
Operator  : RP/MD
Sample    : VSTDCCC050
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	26506	47.959	ug/l	96
42) 1,2-Dichloroethane	8.329	62	94135	54.285	ug/l	100
43) Isopropyl Acetate	8.364	43	93437	51.594	ug/l #	86
44) Trichloroethene	9.029	130	79582	57.288	ug/l	92
45) 1,2-Dichloropropane	9.306	63	87507	57.016	ug/l	96
46) Dibromomethane	9.394	93	48130	57.598	ug/l	95
47) Bromodichloromethane	9.582	83	119153	56.179	ug/l #	95
48) Methyl methacrylate	9.382	41	47370	55.050	ug/l	95
49) 1,4-Dioxane	9.382	88	11027	1109.933	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	254880	273.148	ug/l	97
52) Toluene	10.335	92	212721	59.003	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	107644	55.672	ug/l	91
54) cis-1,3-Dichloropropene	10.017	75	129329	57.720	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	63444	57.398	ug/l	96
56) Ethyl methacrylate	10.600	69	78031	58.259	ug/l	97
57) 1,3-Dichloropropane	10.876	76	106537	57.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	141807	258.709	ug/l	98
59) 2-Hexanone	10.917	43	181558	282.846	ug/l	98
60) Dibromochloromethane	11.070	129	83105	59.995	ug/l	100
61) 1,2-Dibromoethane	11.176	107	58985	57.549	ug/l	99
64) Tetrachloroethene	10.811	164	70626	57.917	ug/l	97
65) Chlorobenzene	11.605	112	225083	55.357	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.676	131	79213	56.704	ug/l	99
67) Ethyl Benzene	11.682	91	401088	59.028	ug/l	98
68) m/p-Xylenes	11.794	106	321783	121.965	ug/l	99
69) o-Xylene	12.117	106	142913	59.279	ug/l	97
70) Styrene	12.135	104	260369	60.144	ug/l	99
71) Bromoform	12.300	173	48273	58.163	ug/l #	98
73) Isopropylbenzene	12.417	105	378914	58.646	ug/l	99
74) N-amyl acetate	12.235	43	95686	51.600	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	74716	52.586	ug/l	97
76) 1,2,3-Trichloropropane	12.723	75	45245m	47.066	ug/l	
77) Bromobenzene	12.700	156	94867	56.606	ug/l	99
78) n-propylbenzene	12.758	91	490275	60.467	ug/l	99
79) 2-Chlorotoluene	12.847	91	272365	57.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.905	105	329924	59.869	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.470	75	28263	55.808	ug/l	99
82) 4-Chlorotoluene	12.947	91	291672	57.292	ug/l	99
83) tert-Butylbenzene	13.164	119	274878	59.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	341142	60.503	ug/l	99
85) sec-Butylbenzene	13.341	105	427296	60.255	ug/l	99
86) p-Isopropyltoluene	13.458	119	370143	62.104	ug/l	98
87) 1,3-Dichlorobenzene	13.458	146	197930	56.630	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	193018	54.780	ug/l	99
89) n-Butylbenzene	13.782	91	349141	60.346	ug/l	99
90) Hexachloroethane	14.052	117	73074	55.413	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	172501	56.816	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11927	52.670	ug/l	95
93) 1,2,4-Trichlorobenzene	15.093	180	108609	56.881	ug/l	99
94) Hexachlorobutadiene	15.199	225	57347	57.730	ug/l	99
95) Naphthalene	15.329	128	197842	55.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	95576	55.967	ug/l	99

Quantitation Report (QT Reviewed)

Sample Results: **VD080317.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On    : 14 May 2025  12:25
Operator  : RP/MD
Sample    : VSTDCCC050
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VD080317.D**

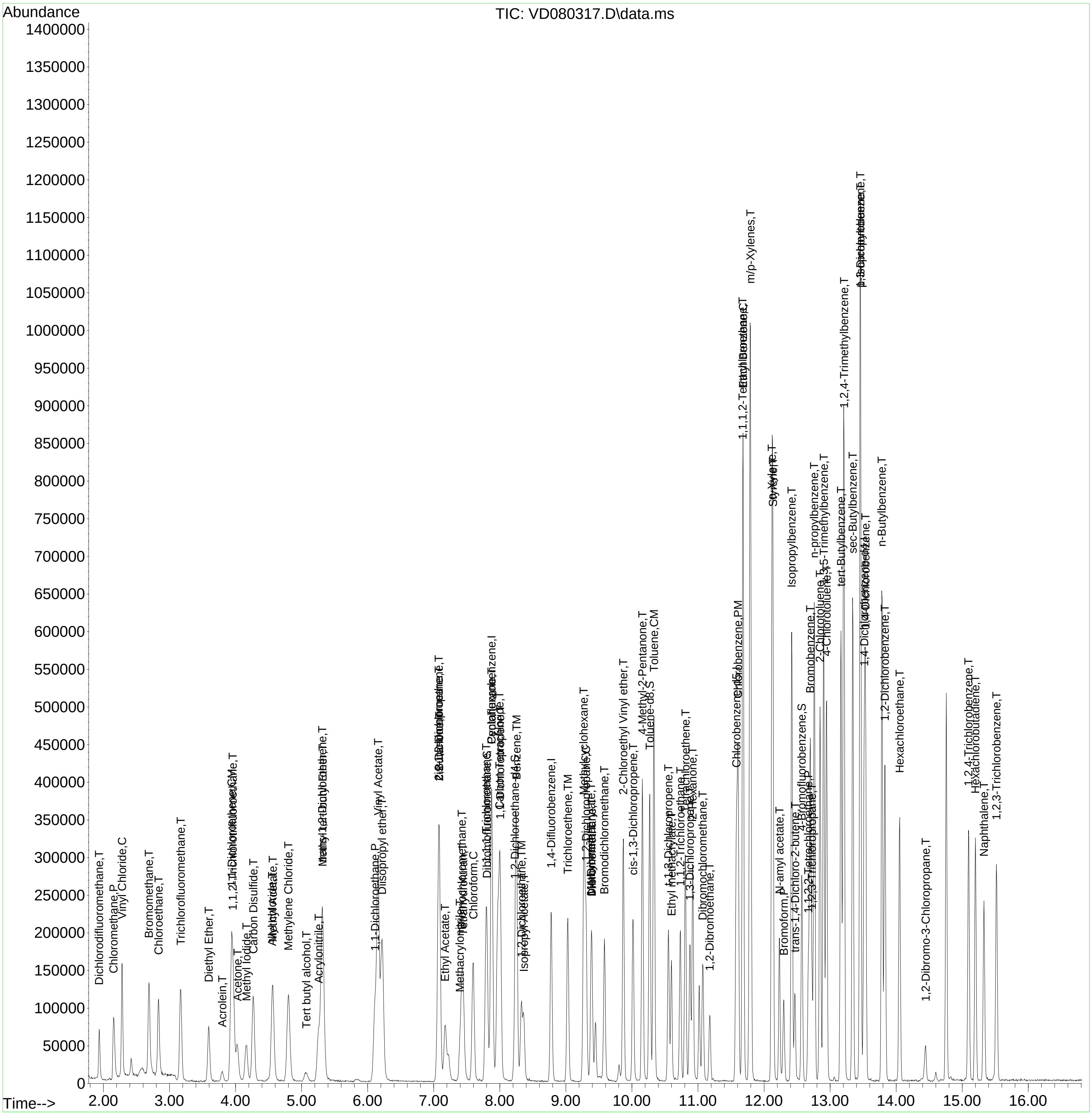
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

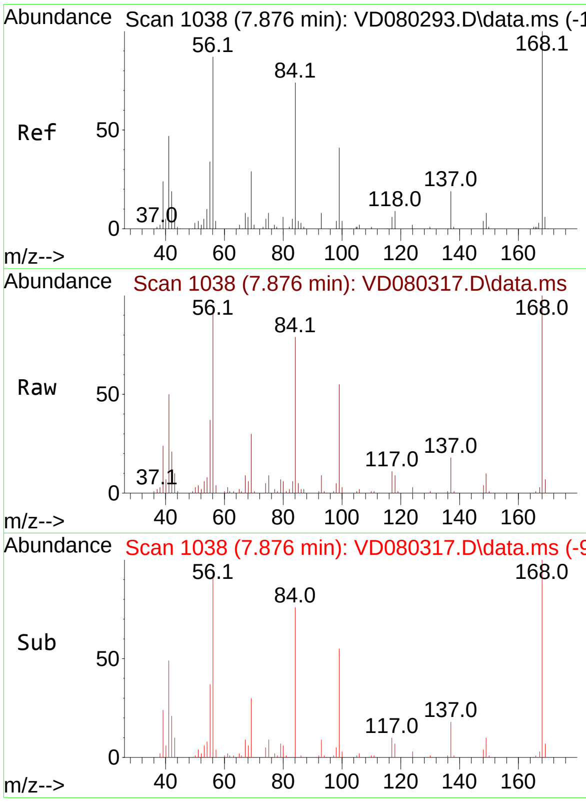
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

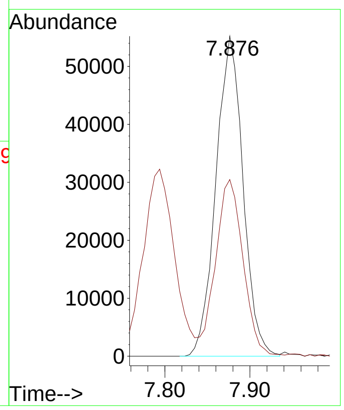
Manual Integrations
APPROVED

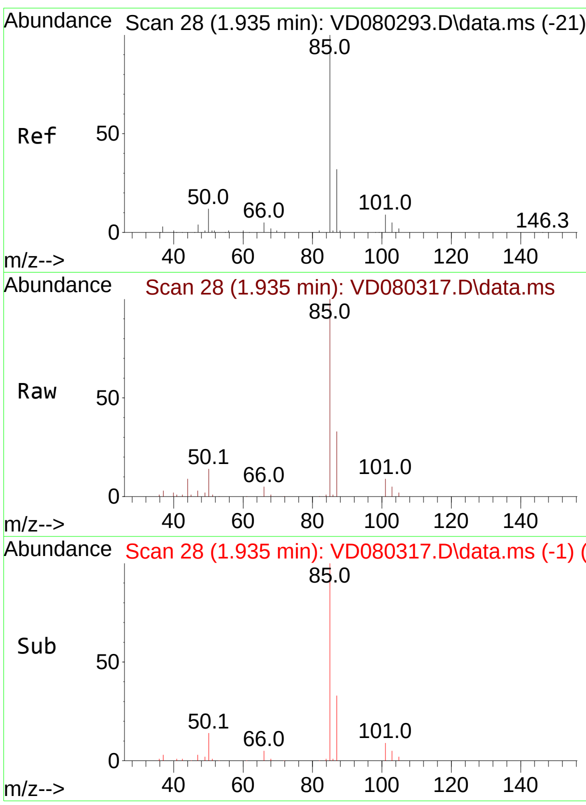
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#1
Pentafluorobenzene
Concen:   50.000 ug/l
RT:    7.876 min   Scan# 1(
Delta R.T.   0.001 min
Lab File:    VD080317.D
Acq: 14 May  2025   12:25

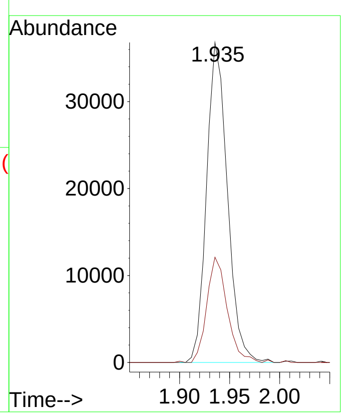
Tgt Ion:168 Resp:   12231
Ion   Ratio   Lower   Upper
168   100
 99    54.7    46.0    69.0
```

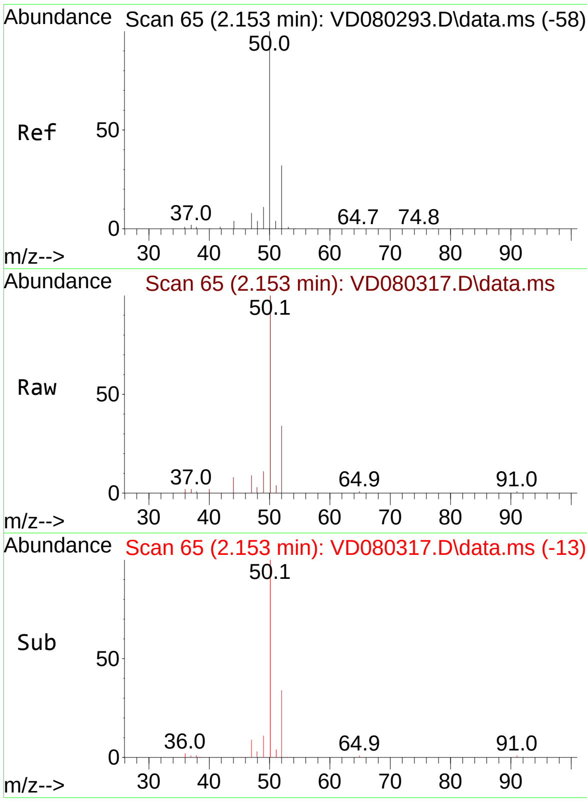





```
#2
Dichlorodifluoromethane
Concen:   49.582 ug/l
RT:    1.935 min   Scan# 28
Delta R.T.   0.001 min
Lab File:    VD080317.D
Acq: 14 May  2025   12:25

Tgt Ion: 85 Resp:    53356
Ion   Ratio   Lower   Upper
 85   100
 87    32.9    16.1    48.2
```





#3
Chloromethane
Concen: 47.083 ug/l
RT: 2.153 min Scan# 6
Delta R.T. 0.007 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

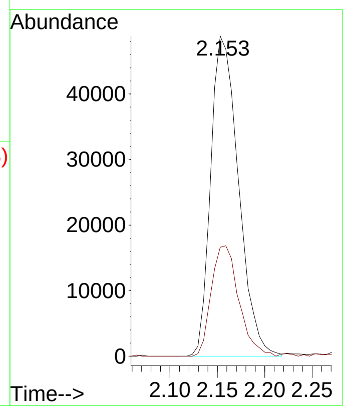
Tgt Ion: 50 Resp: 9955

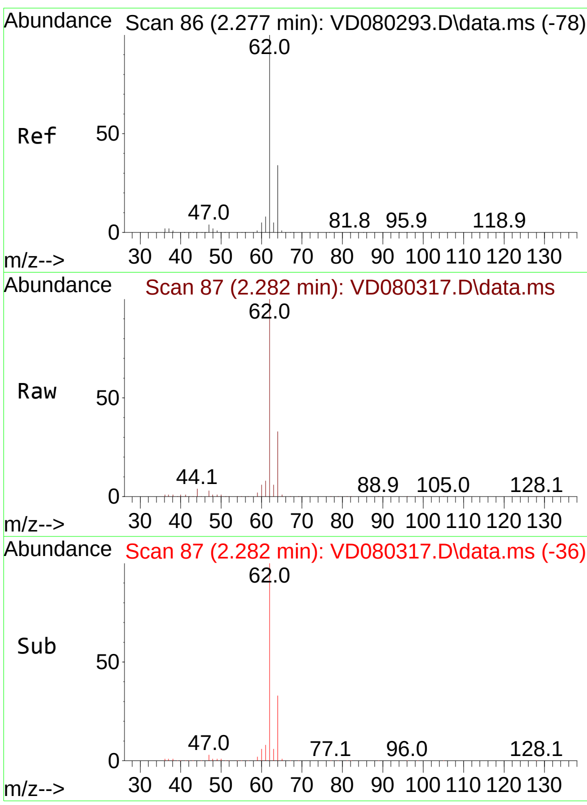
Ion	Ratio	Lower	Upper
50	100		
52	34.1	28.8	43.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

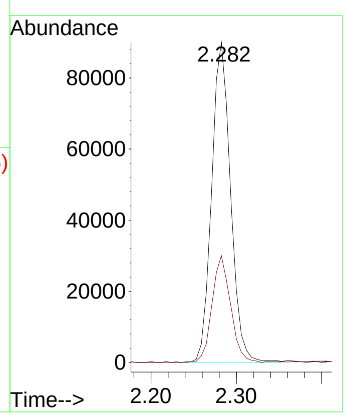




#4
Vinyl Chloride
Concen: 43.724 ug/l
RT: 2.282 min Scan# 87
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 62 Resp: 139030

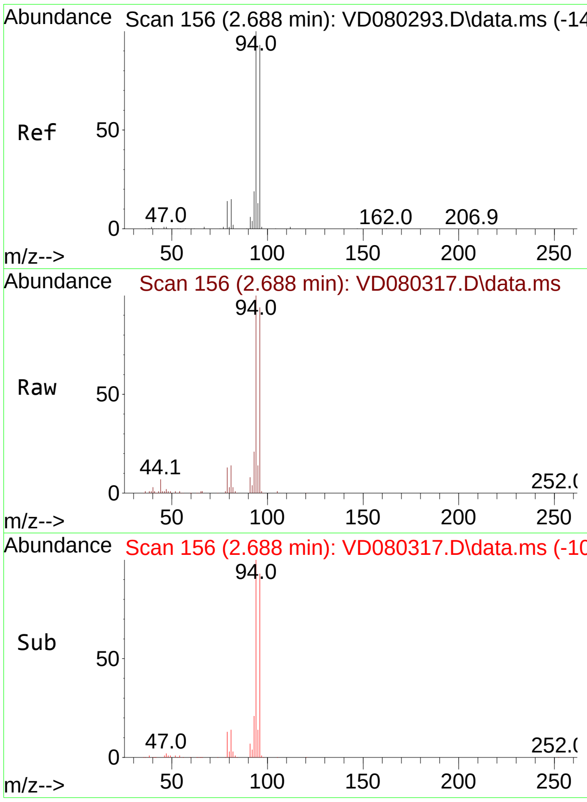
Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.5	39.7



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

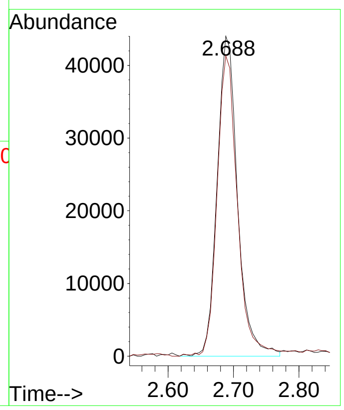
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

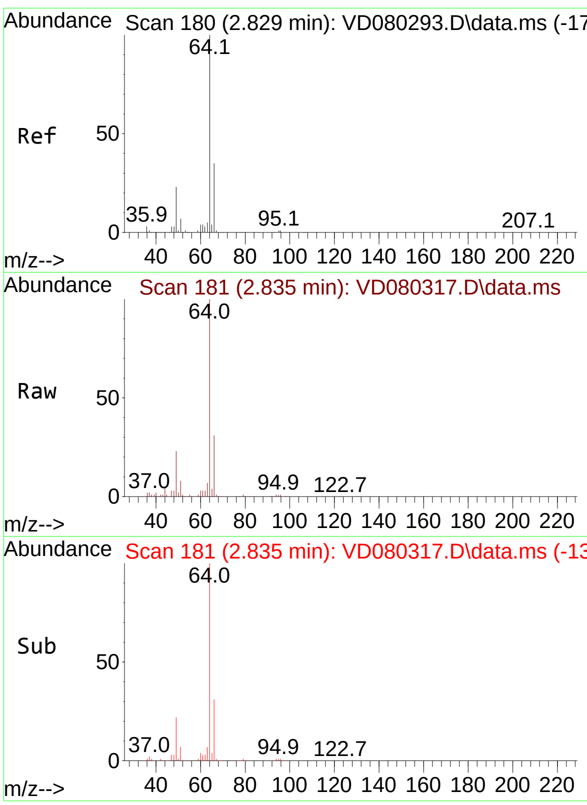


#5
Bromomethane
Concen: 41.638 ug/l
RT: 2.688 min Scan# 1!
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 94 Resp: 9530

Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.2	114.2

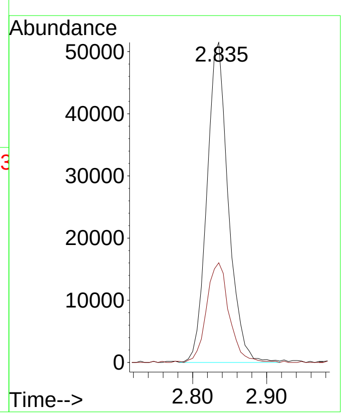




#6
Chloroethane
Concen: 46.041 ug/l
RT: 2.835 min Scan# 181
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 64 Resp: 103509

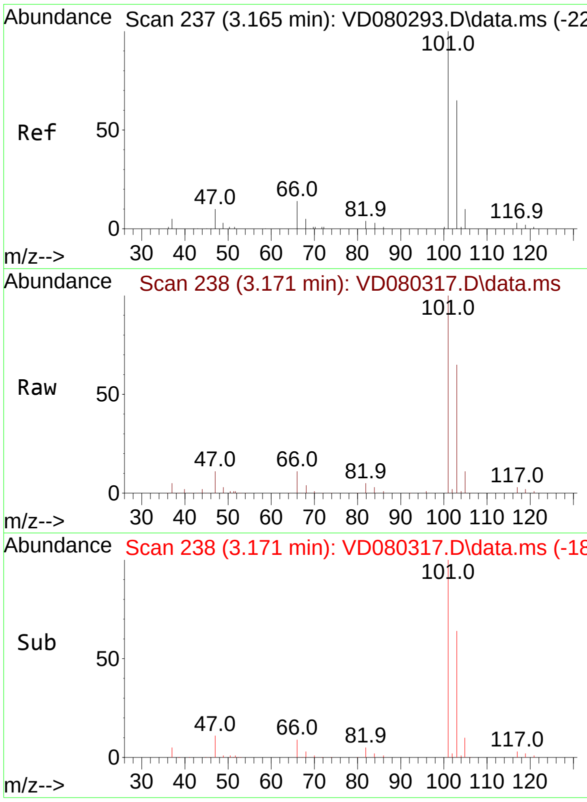
Ion	Ratio	Lower	Upper
64	100		
66	31.1	27.6	41.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

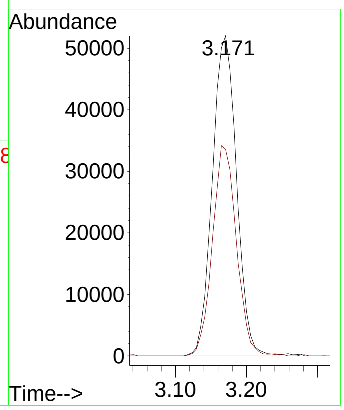
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

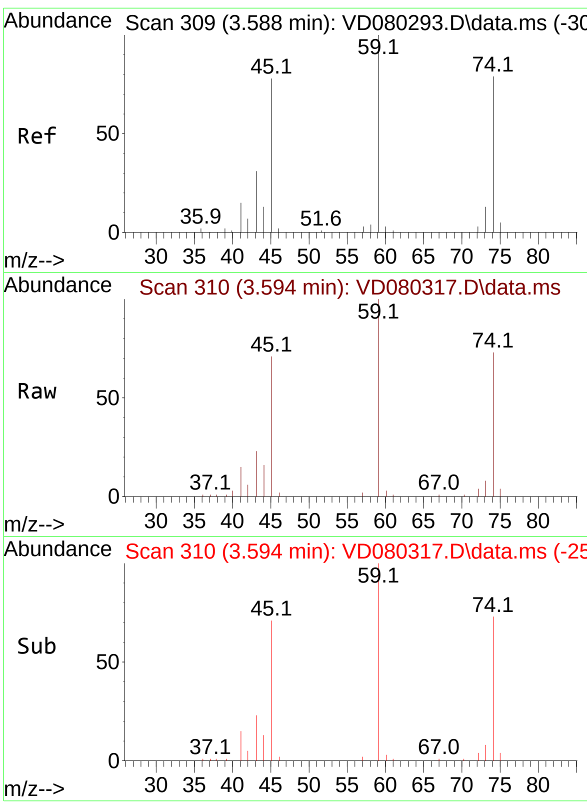


#7
Trichlorofluoromethane
Concen: 50.483 ug/l
RT: 3.171 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:101 Resp: 12308

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.0	79.6

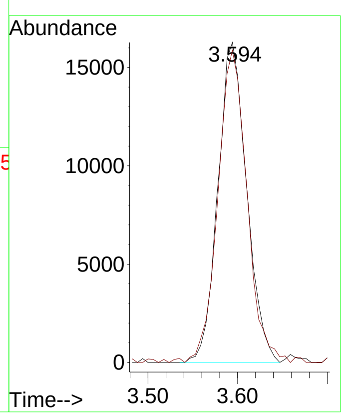


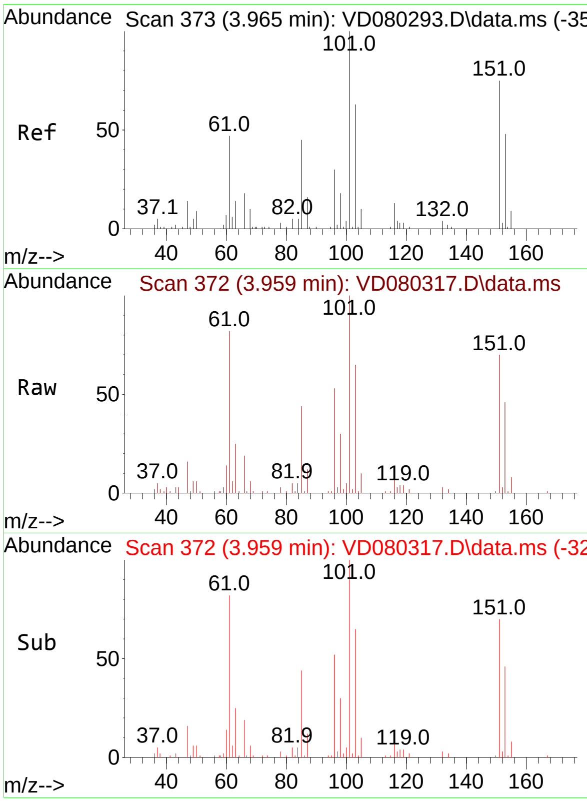


#8
Diethyl Ether
Concen: 48.260 ug/l
RT: 3.594 min Scan# 310
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 74 Resp: 36321

Ion	Ratio	Lower	Upper
74	100		
45	99.2	47.8	143.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.029 ug/l
RT: 3.959 min Scan# 3
Delta R.T. -0.011 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

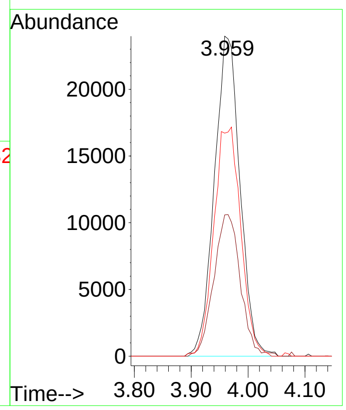
Tgt Ion:101 Resp: 7515

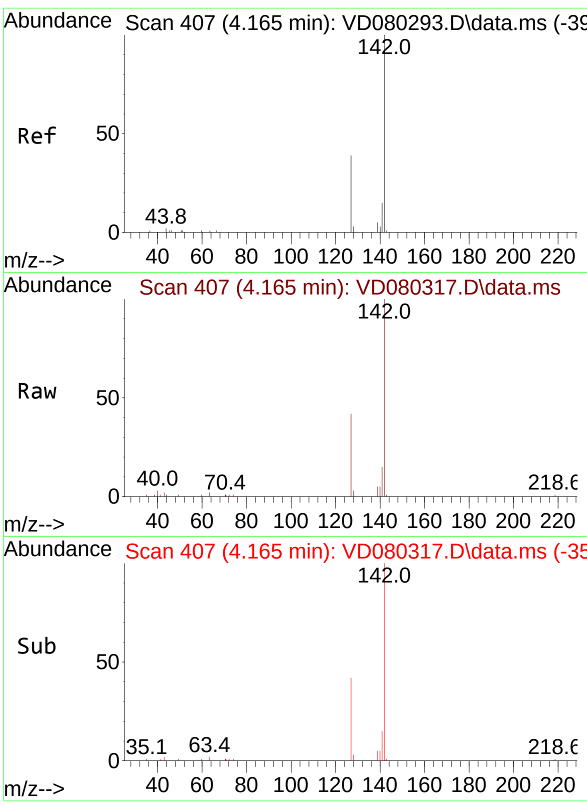
Ion	Ratio	Lower	Upper
101	100		
85	45.9	35.3	52.9
151	75.3	60.3	90.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

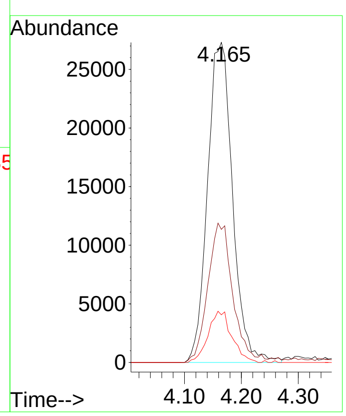




#10
Methyl Iodide
Concen: 54.490 ug/l
RT: 4.165 min Scan# 407
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:142 Resp: 83443

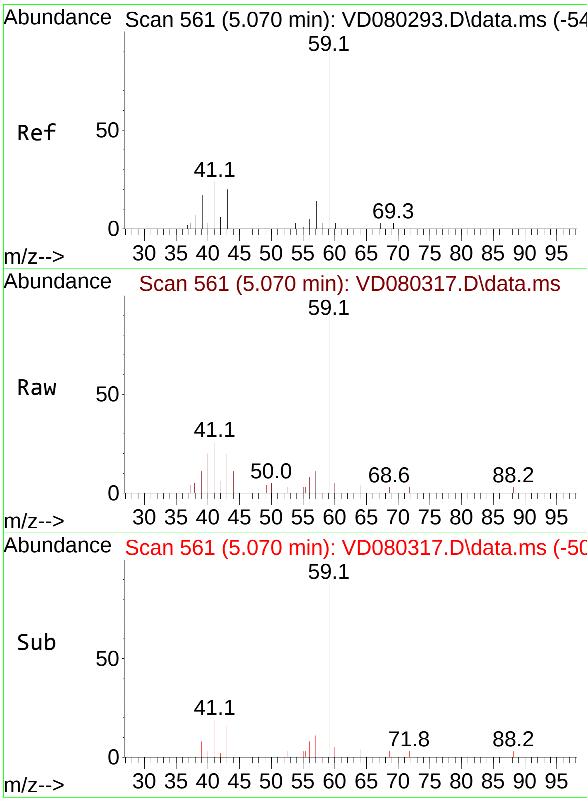
Ion	Ratio	Lower	Upper
142	100		
127	43.4	35.3	52.9
141	15.2	12.2	18.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

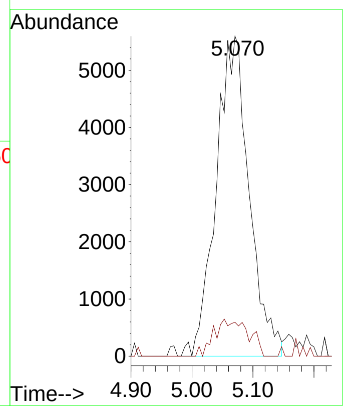
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

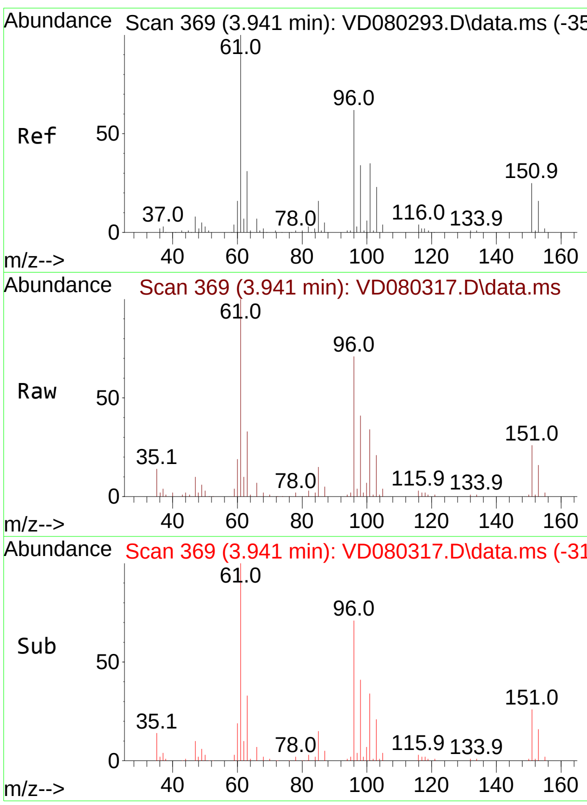


#11
Tert butyl alcohol
Concen: 220.008 ug/l
RT: 5.070 min Scan# 5
Delta R.T. 0.012 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 59 Resp: 2111

Ion	Ratio	Lower	Upper
59	100		
57	6.3	4.8	7.2

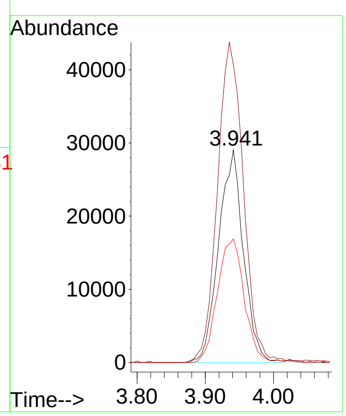




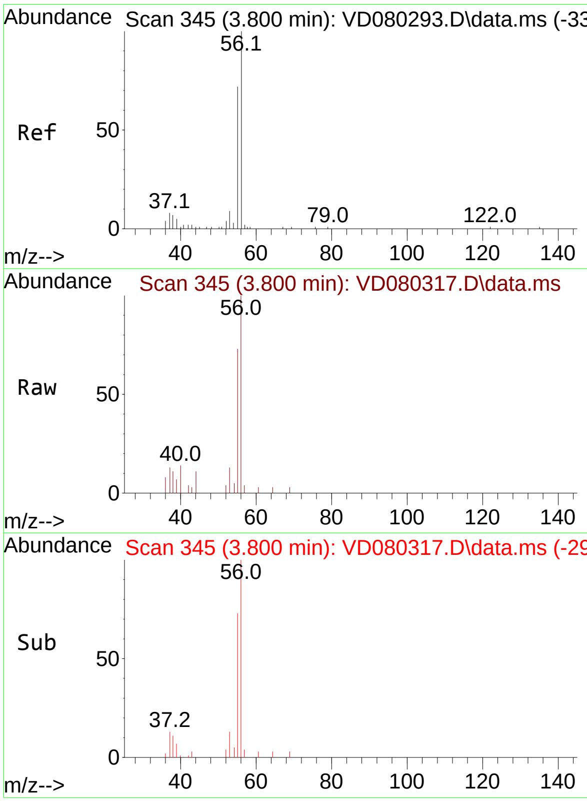
#12
1,1-Dichloroethene
Concen: 49.635 ug/l
RT: 3.941 min Scan# 369
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 96 Resp: 73509

Ion	Ratio	Lower	Upper
96	100		
61	140.4	122.6	184.0
98	58.2	47.1	70.7



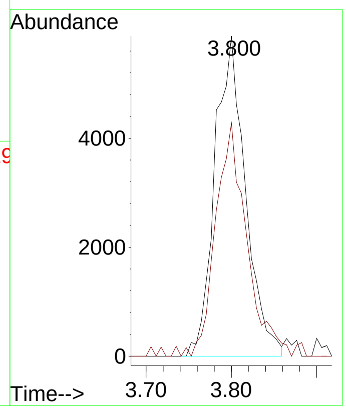
Sample Results: **VD080317.D**



#13
Acrolein
Concen: 86.829 ug/l
RT: 3.800 min Scan# 34
Delta R.T. 0.007 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 56 Resp: 1466

Ion	Ratio	Lower	Upper
56	100		
55	73.5	58.2	87.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 05/15/2025
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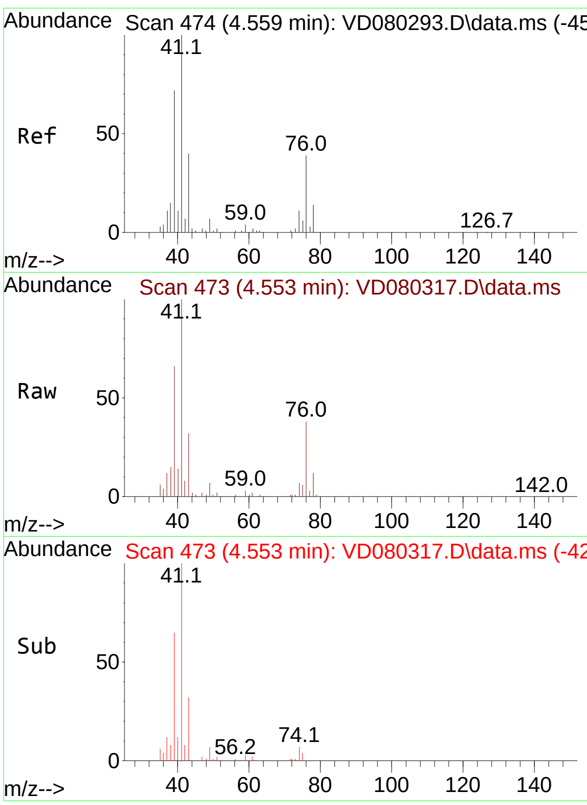
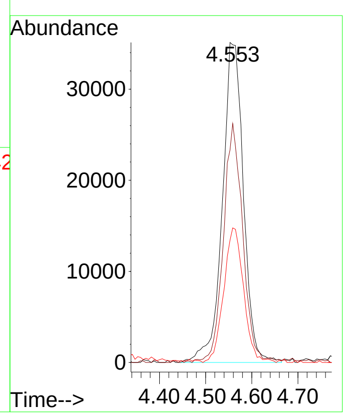
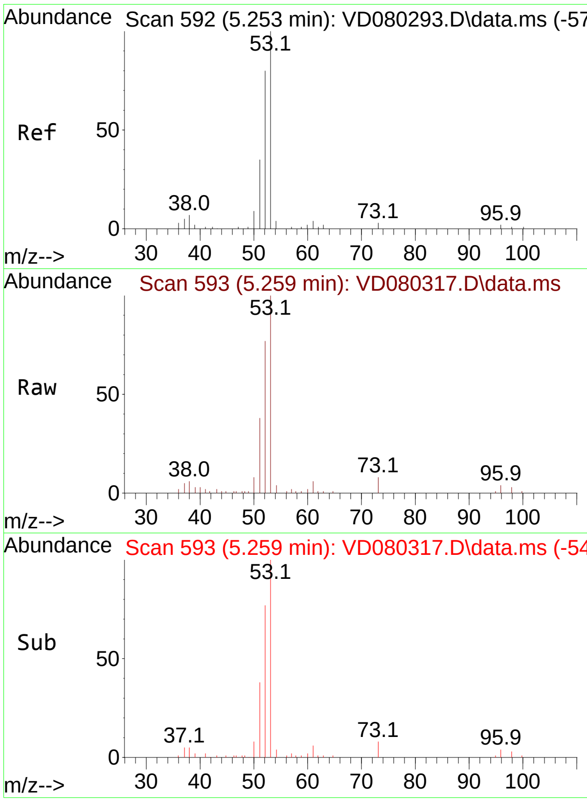


#14
Allyl chloride
Concen: 47.831 ug/l
RT: 4.553 min Scan# 473
Delta R.T. -0.011 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 41 Resp: 111408

Ion	Ratio	Lower	Upper
41	100		
39	66.6	53.3	79.9
76	39.6	32.0	48.0





#15
Acrylonitrile
Concen: 239.638 ug/l
RT: 5.259 min Scan# 5
Delta R.T. 0.007 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 53 Resp: 8670

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.4
51	39.1	30.3	45.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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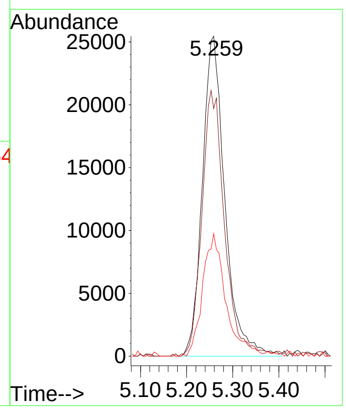
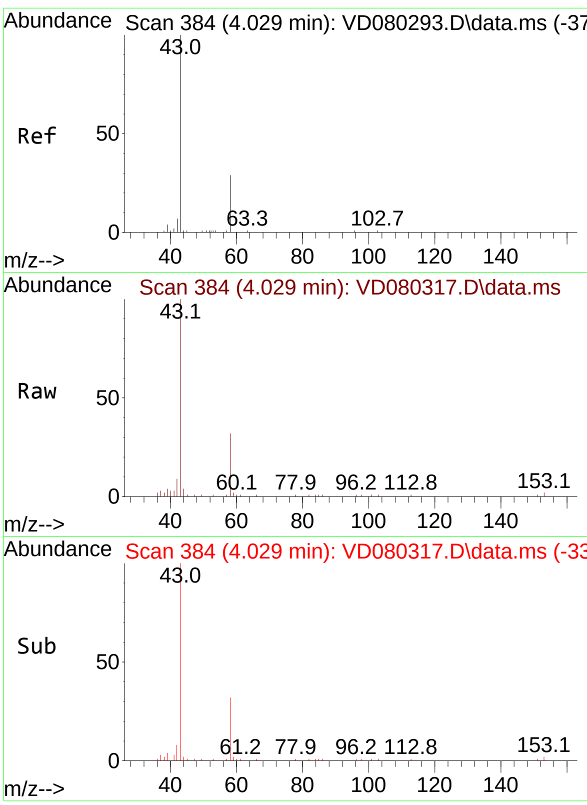
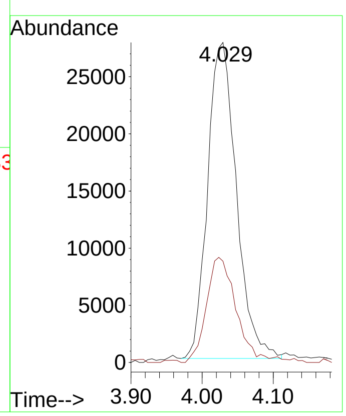


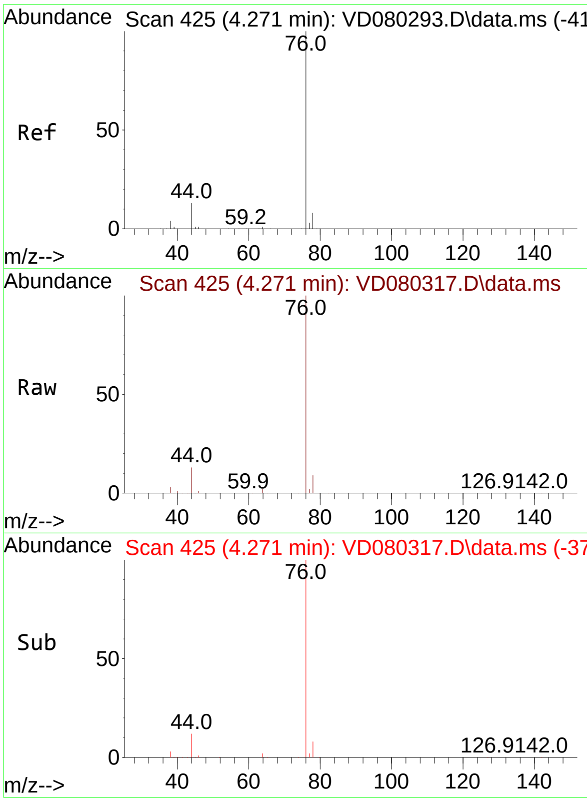


#16
Acetone
Concen: 322.964 ug/l
RT: 4.029 min Scan# 384
Delta R.T. 0.006 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 43 Resp: 77842

Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.4	38.2





#17
Carbon Disulfide
Concen: 45.930 ug/l
RT: 4.271 min Scan# 4
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 76 Resp: 23620

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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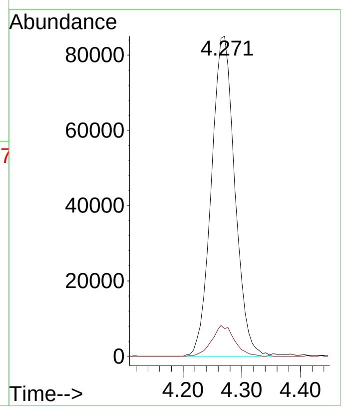
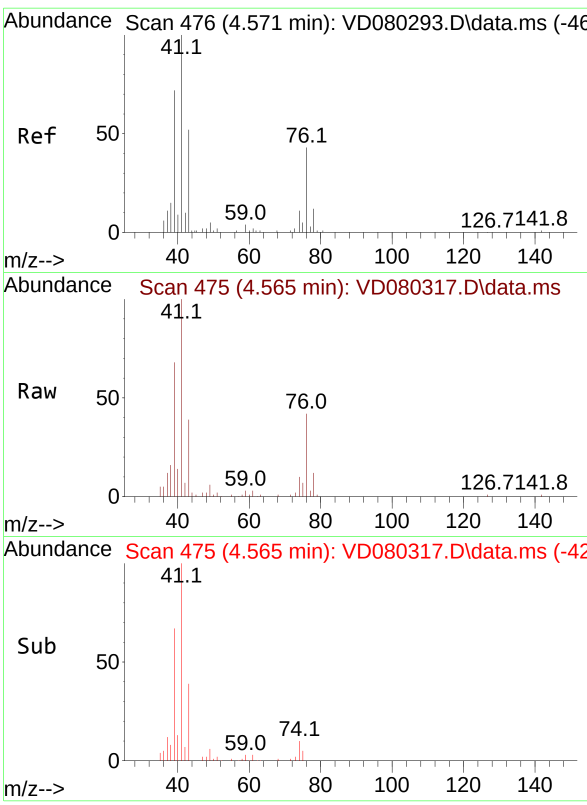
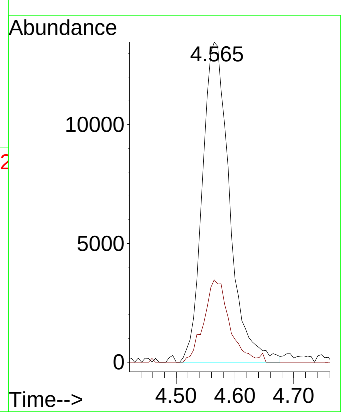




#18
Methyl Acetate
Concen: 42.351 ug/l
RT: 4.565 min Scan# 475
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 43 Resp: 43345

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.5	30.7



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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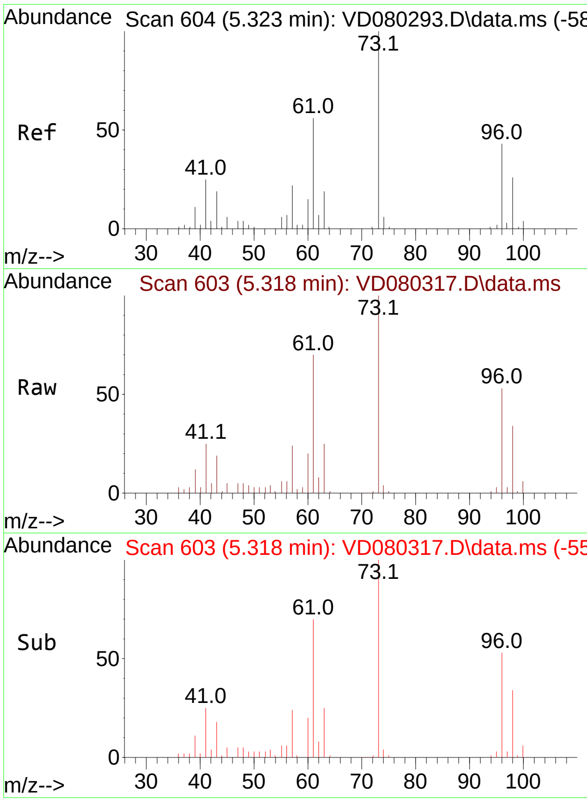
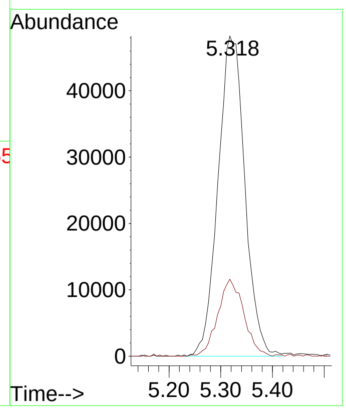
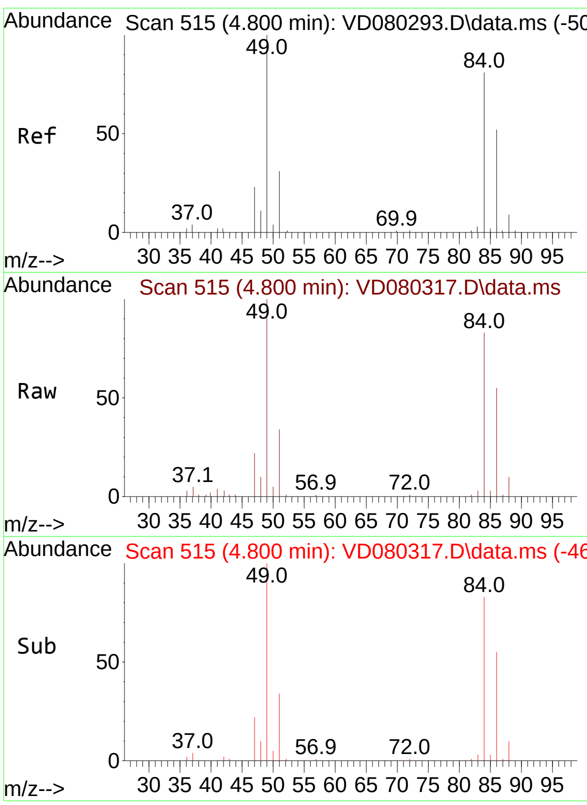


#19
Methyl tert-butyl Ether
Concen: 53.518 ug/l
RT: 5.318 min Scan# 6(
Delta R.T. -0.004 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 73 Resp: 17412

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.8	28.2

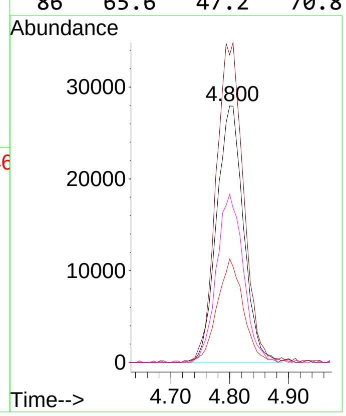




#20
Methylene Chloride
Concen: 52.874 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 84 Resp: 88943

Ion	Ratio	Lower	Upper
84	100		
49	120.0	86.5	129.7
51	40.3	26.9	40.3
86	65.6	47.2	70.8



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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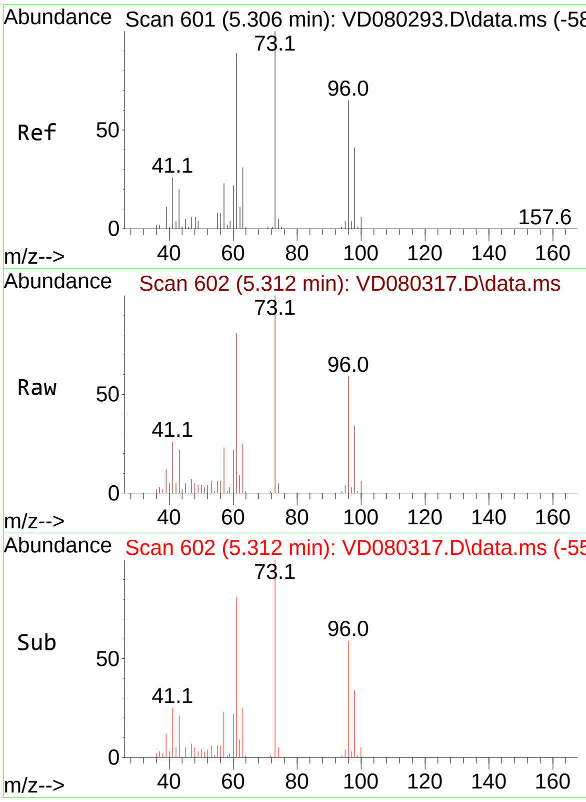
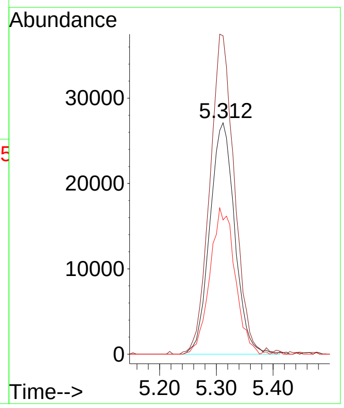
Supervised By :Semsettin Yesilyurt 05/15/2025

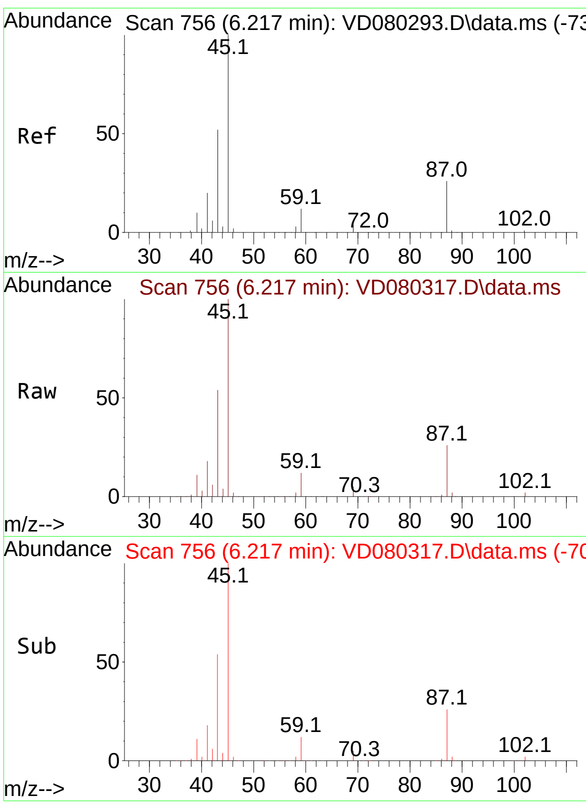


#21
trans-1,2-Dichloroethene
Concen: 51.469 ug/l
RT: 5.312 min Scan# 6(
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 96 Resp: 8280(

Ion	Ratio	Lower	Upper
96	100		
61	137.6	109.4	164.0
98	58.0	49.8	74.8

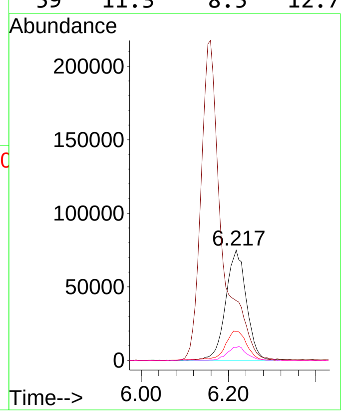




#22
Diisopropyl ether
Concen: 51.615 ug/l
RT: 6.217 min Scan# 756
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 45 Resp: 247650

Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.6	63.8
87	26.0	22.7	34.1
59	11.3	8.5	12.7



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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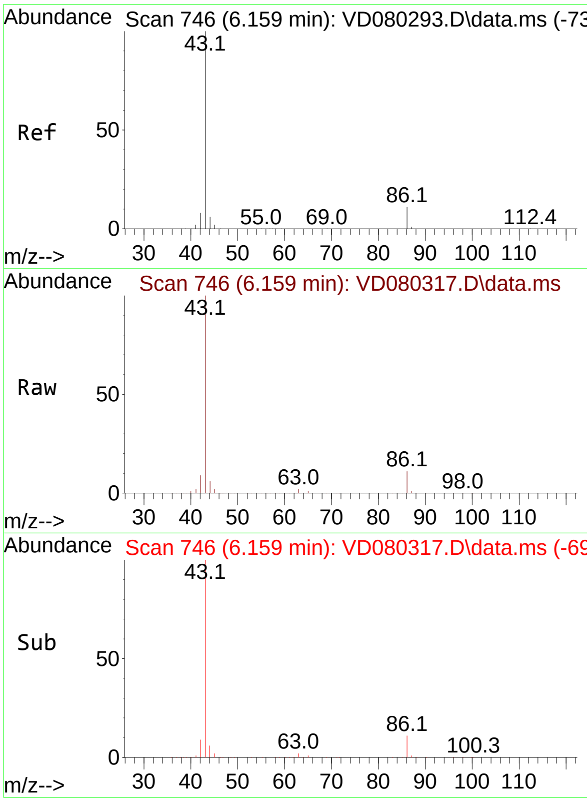
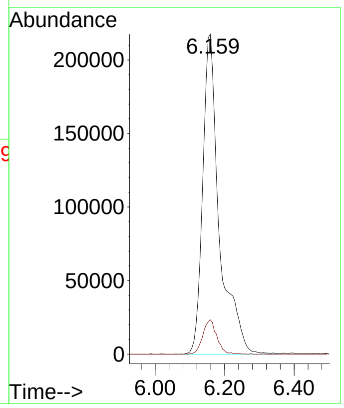
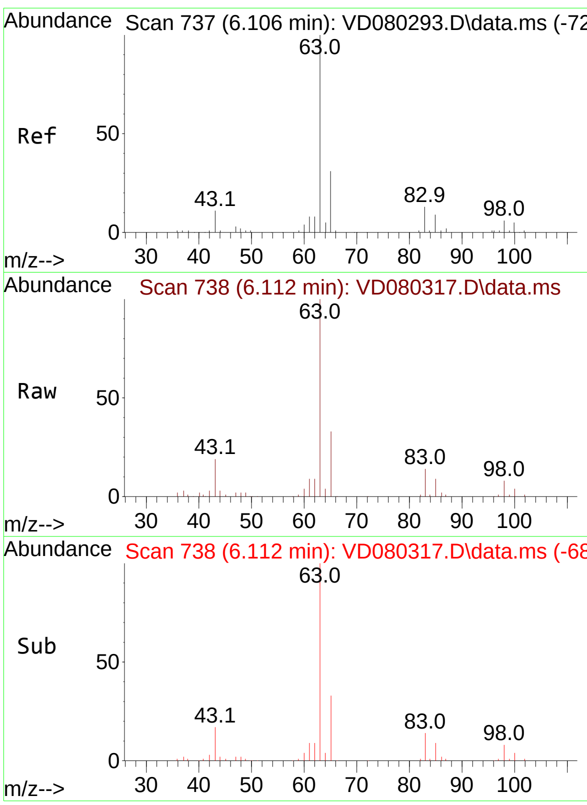
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#23
Vinyl Acetate
Concen:  258.895 ug/l
RT:   6.159 min  Scan# 74
Delta R.T.  0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

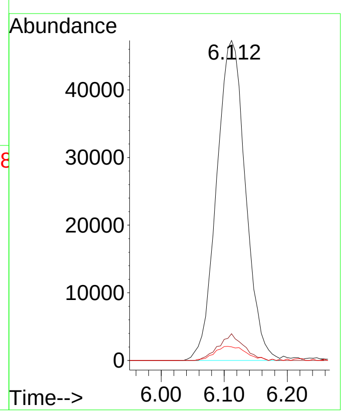
Tgt Ion: 43 Resp:  723477
Ion  Ratio  Lower  Upper
 43  100
 86   10.8    9.4   14.0
```






```
#24
1,1-Dichloroethane
Concen:   50.017 ug/l
RT:   6.112 min  Scan# 738
Delta R.T.  -0.005 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

Tgt Ion: 63 Resp:  151012
Ion  Ratio  Lower  Upper
 63  100
 98    8.4    3.5   10.6
100    4.2    2.1    6.5
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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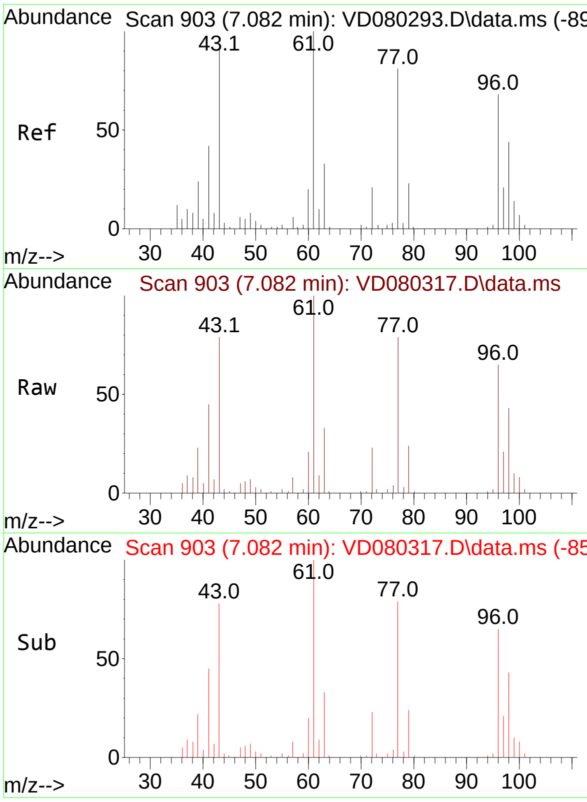
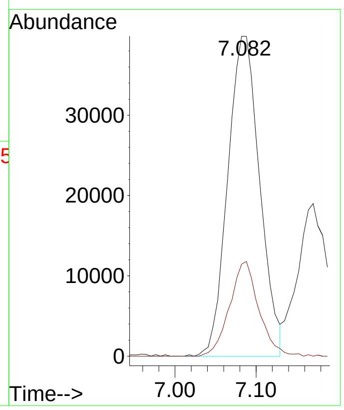
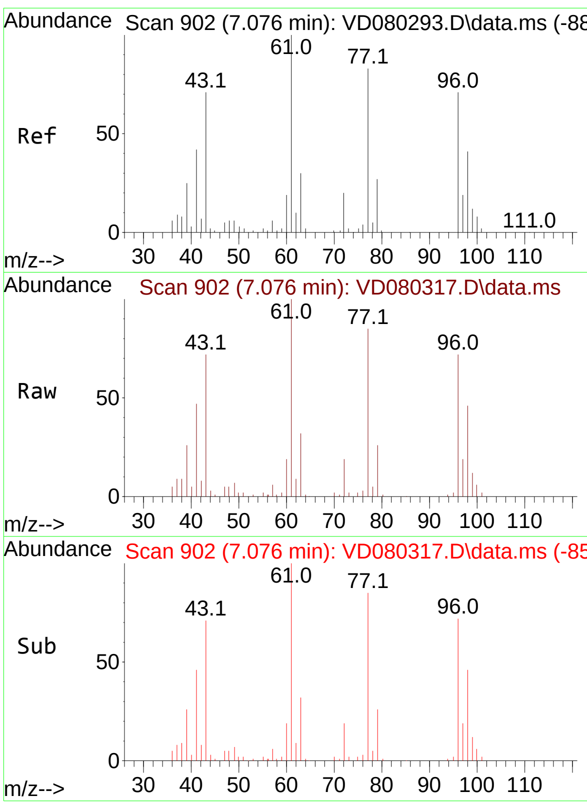



```
#25
2-Butanone
Concen:  251.047 ug/l
RT:    7.082 min  Scan# 9
Delta R.T.  -0.005 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

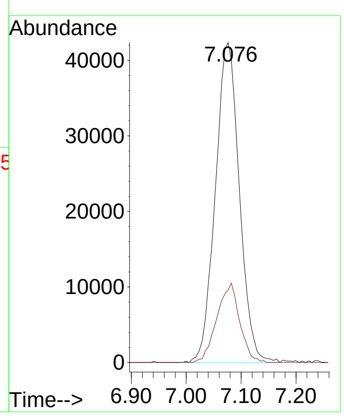
Tgt Ion: 43 Resp:  10925
Ion  Ratio  Lower  Upper
 43  100
 72   28.8   22.3   33.5
```






```
#26
2,2-Dichloropropane
Concen:   53.628 ug/l
RT:    7.076 min  Scan# 902
Delta R.T.  0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

Tgt Ion: 77 Resp:  128841
Ion  Ratio  Lower  Upper
 77  100
 97   23.5   11.9   35.9
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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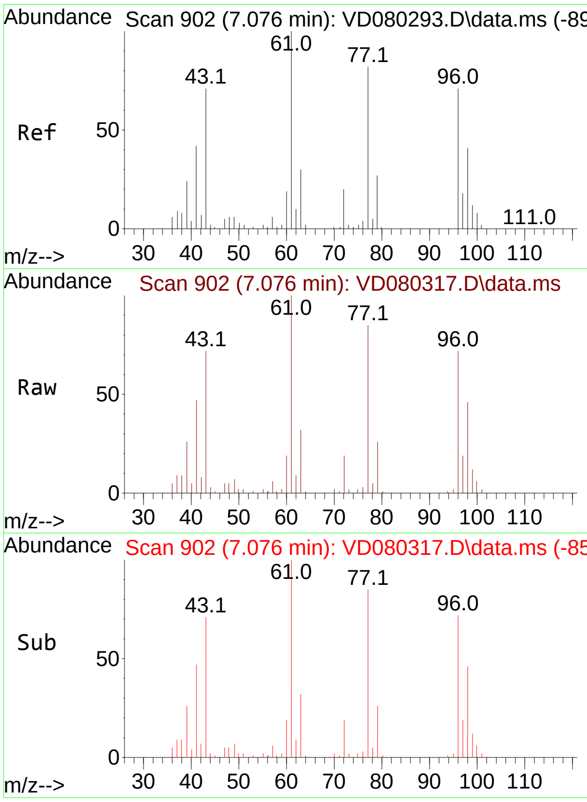
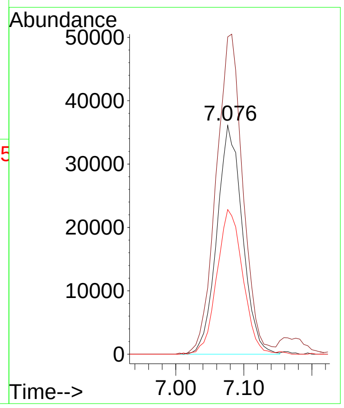
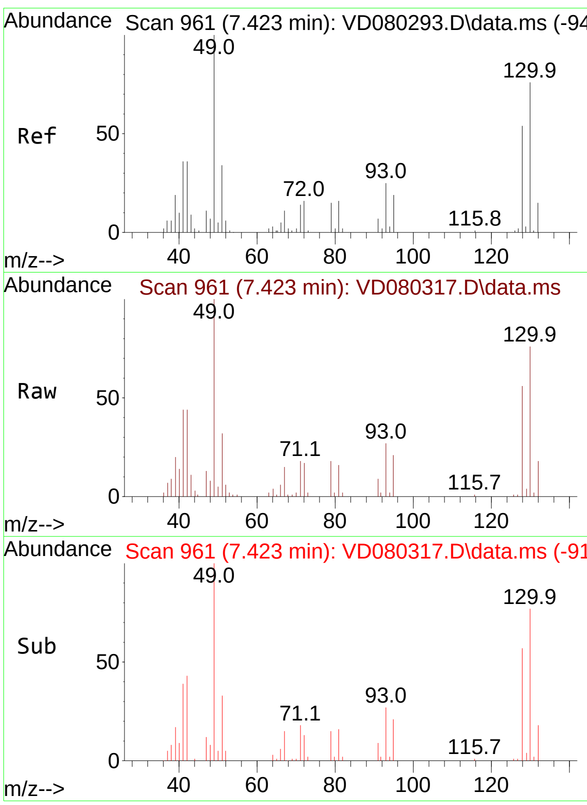


#27
cis-1,2-Dichloroethene
Concen: 53.005 ug/l
RT: 7.076 min Scan# 9
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 96 Resp: 9448

Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	278.2
98	64.1	0.0	127.8

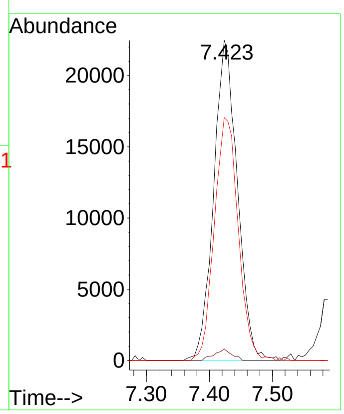




#28
Bromochloromethane
Concen: 41.811 ug/l
RT: 7.423 min Scan# 961
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 49 Resp: 58777

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	2.2#
130	76.4	64.6	97.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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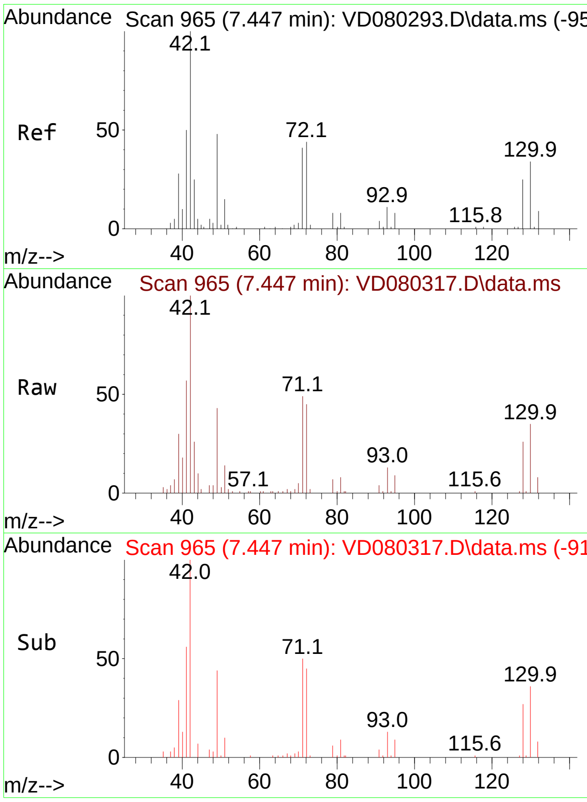
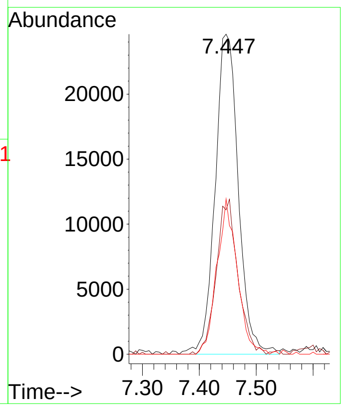
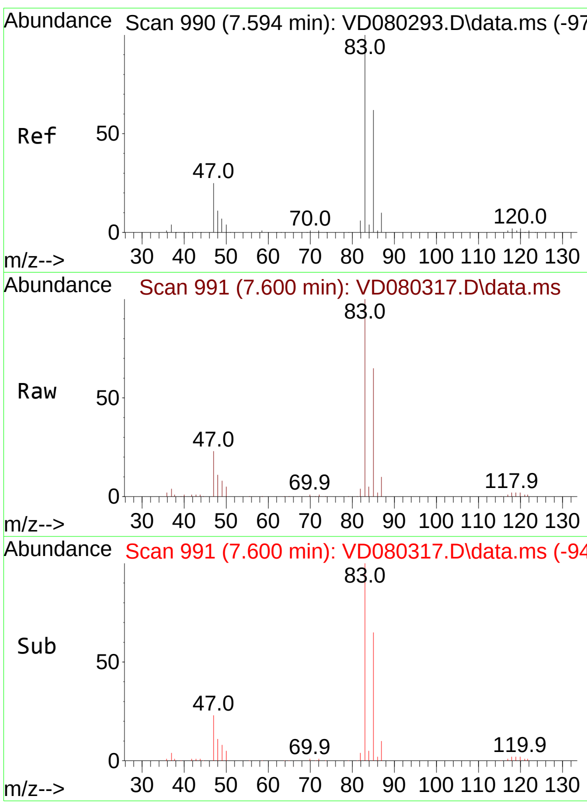



```
#29
Tetrahydrofuran
Concen:  246.707 ug/l
RT:    7.447 min   Scan# 9(
Delta R.T.   0.001 min
Lab File:    VD080317.D
Acq: 14 May 2025   12:25

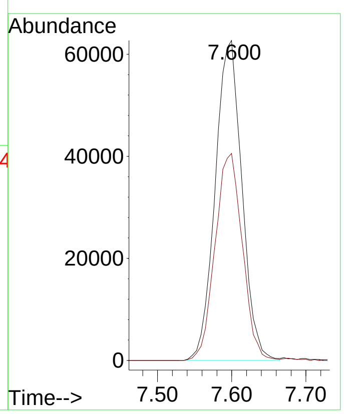
Tgt Ion: 42 Resp:   7000
Ion   Ratio   Lower   Upper
 42   100
 72    44.9    36.7    55.1
 71    42.5    34.4    51.6
```

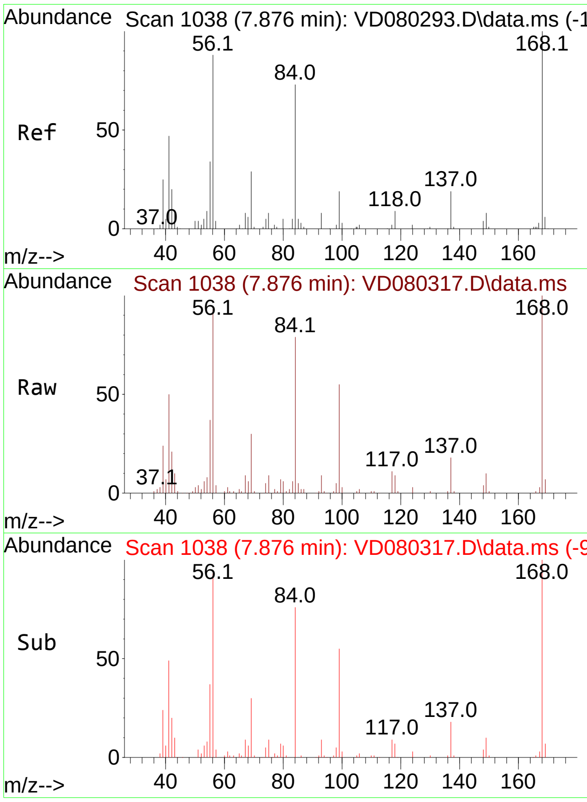





```
#30
Chloroform
Concen:   52.154 ug/l
RT:    7.600 min   Scan# 991
Delta R.T.   0.001 min
Lab File:    VD080317.D
Acq: 14 May 2025   12:25

Tgt Ion: 83 Resp:   157029
Ion   Ratio   Lower   Upper
 83   100
 85    64.7    50.8    76.2
```





#31
Cyclohexane
Concen: 48.400 ug/l
RT: 7.876 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 12437

Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.3	40.9
84	83.7	70.2	105.4

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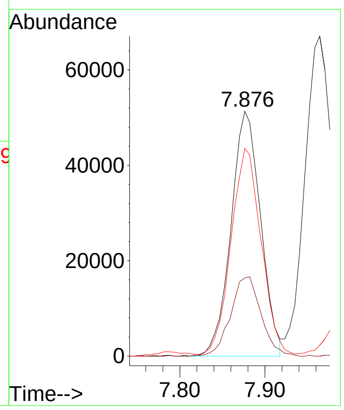
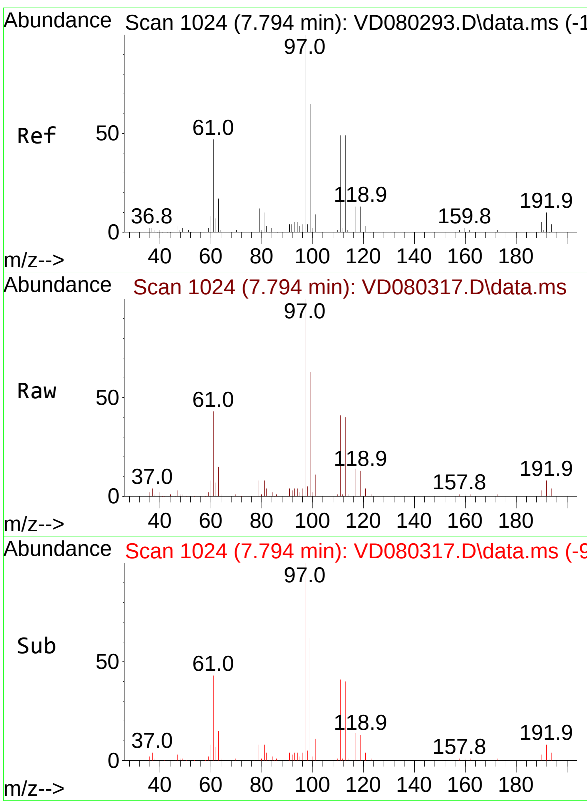
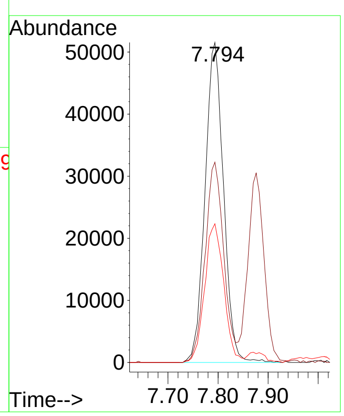


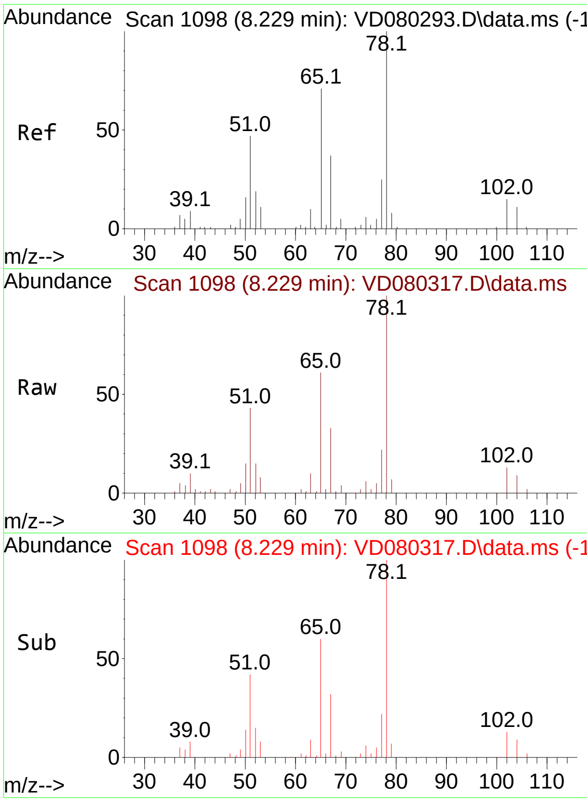


#32
1,1,1-Trichloroethane
Concen: 53.896 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 97 Resp: 132391

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.7	76.1
61	45.0	34.2	51.2





#33
1,2-Dichloroethane-d4
Concen: 44.423 ug/l
RT: 8.229 min Scan# 1(
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 7026

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	109.2

Manual Integrations
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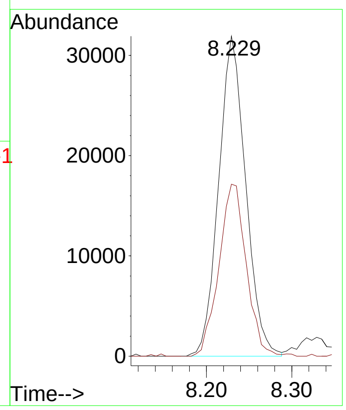
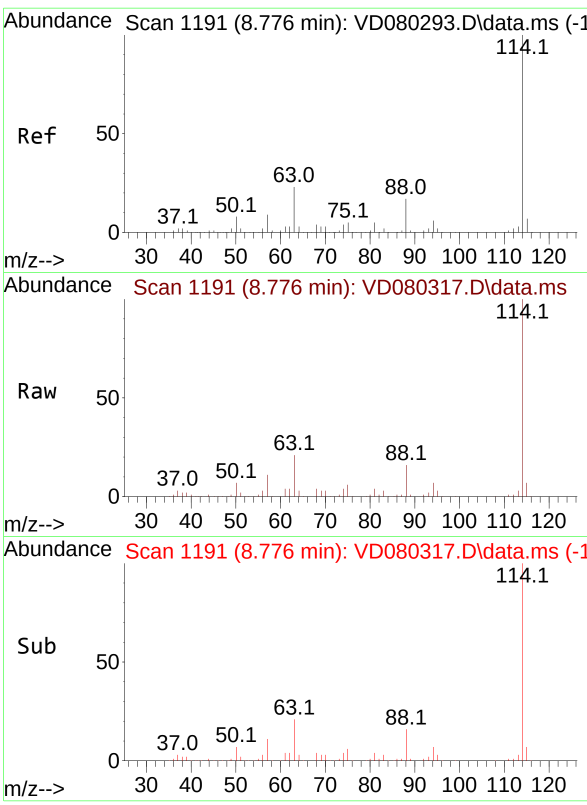
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

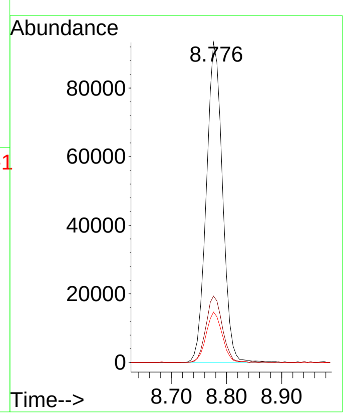




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:114 Resp: 190669

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	38.8
88	15.8	0.0	30.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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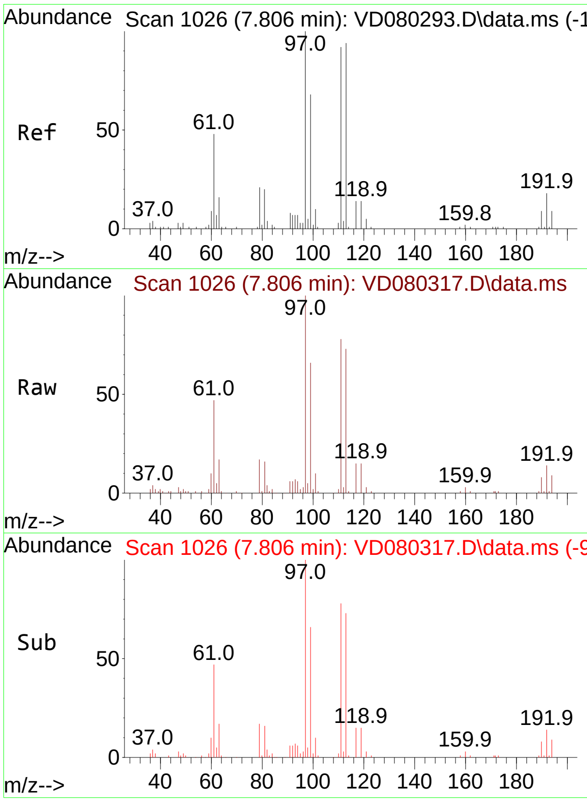
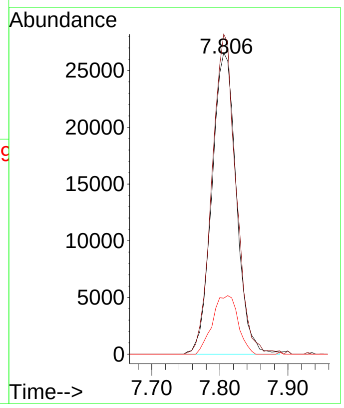
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

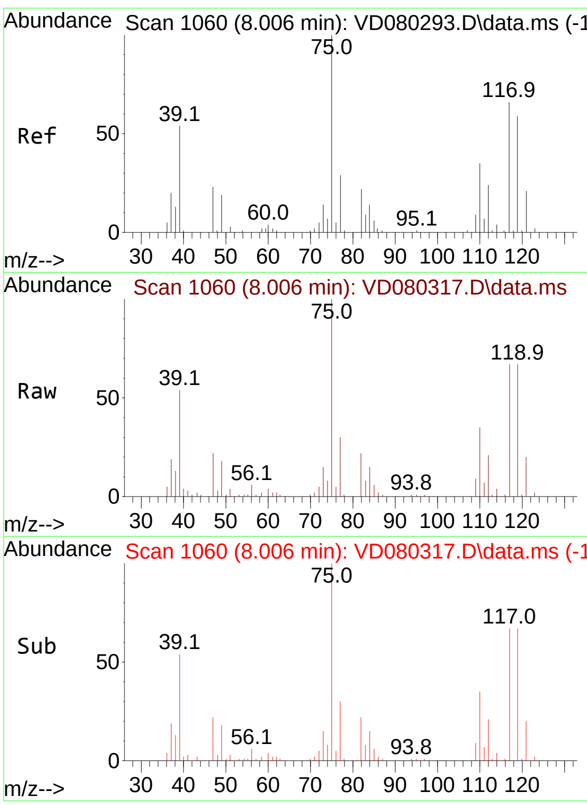


#35
Dibromofluoromethane
Concen: 51.847 ug/l
RT: 7.806 min Scan# 1(
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:113 Resp: 6625

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.5	123.7
192	20.3	16.6	25.0

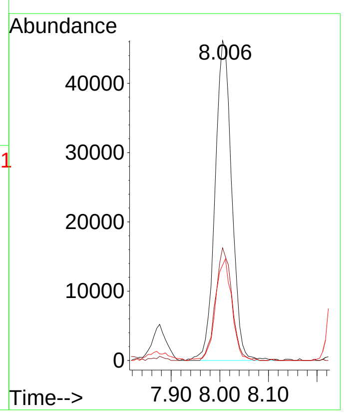




#36
1,1-Dichloropropene
Concen: 57.917 ug/l
RT: 8.006 min Scan# 1060
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 75 Resp: 110616

Ion	Ratio	Lower	Upper
75	100		
110	34.6	18.4	55.0
77	31.2	25.6	38.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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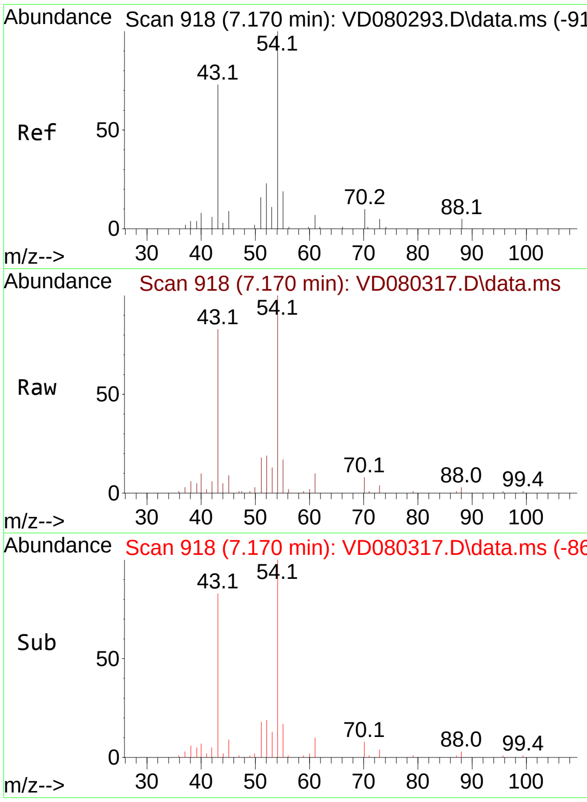
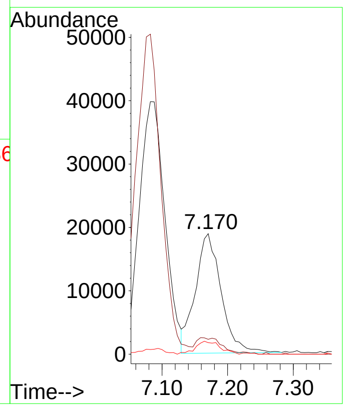
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

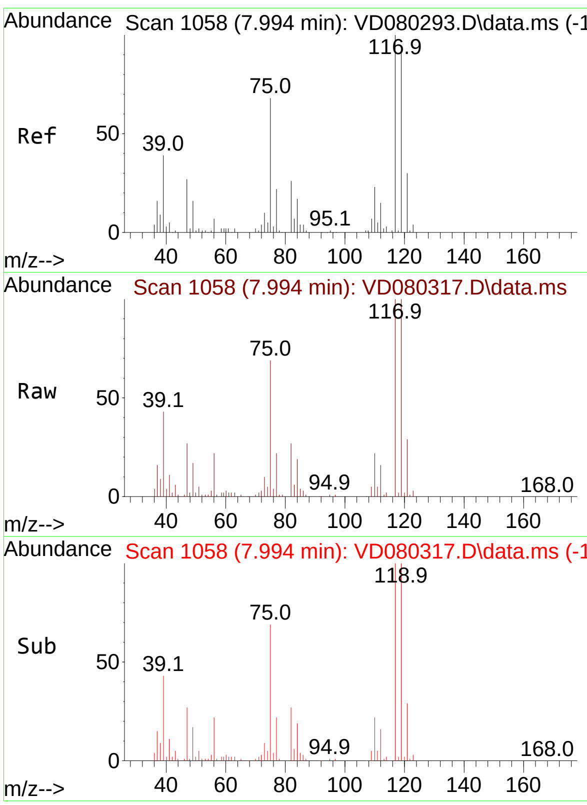


#37
Ethyl Acetate
Concen: 51.620 ug/l
RT: 7.170 min Scan# 91
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 43 Resp: 51554

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	10.3	9.4	14.2

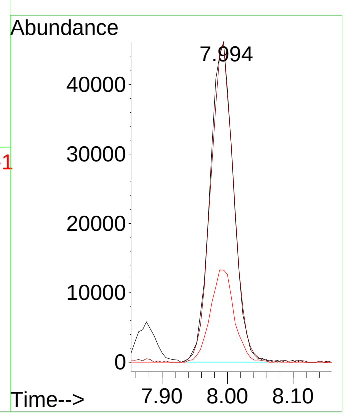


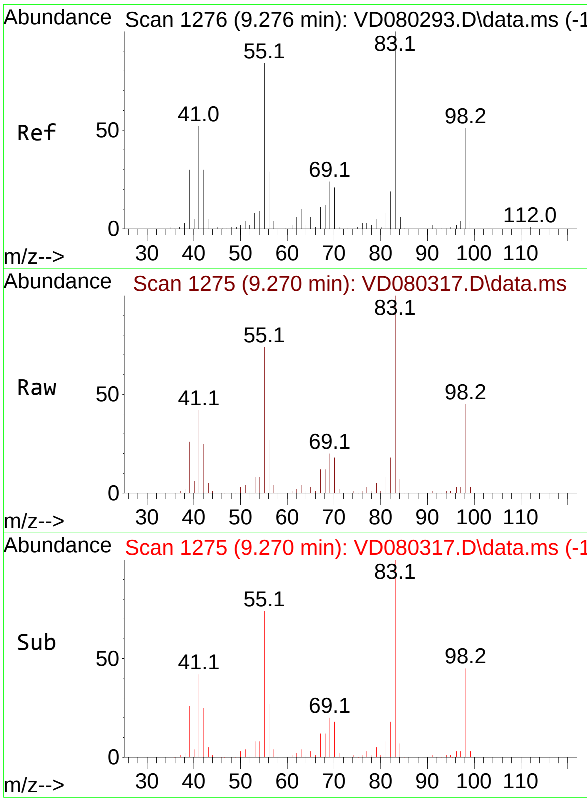


#38
Carbon Tetrachloride
Concen: 57.966 ug/l
RT: 7.994 min Scan# 1058
Delta R.T. 0.007 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:117 Resp: 115458

Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.4	110.0
121	28.8	24.5	36.7





#39
Methylcyclohexane
Concen: 58.521 ug/l
RT: 9.270 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 12969

Ion	Ratio	Lower	Upper
83	100		
55	74.0	62.0	93.0
98	44.7	38.7	58.1

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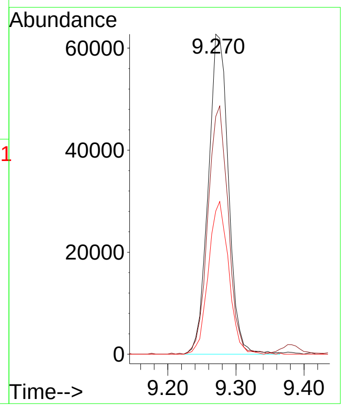
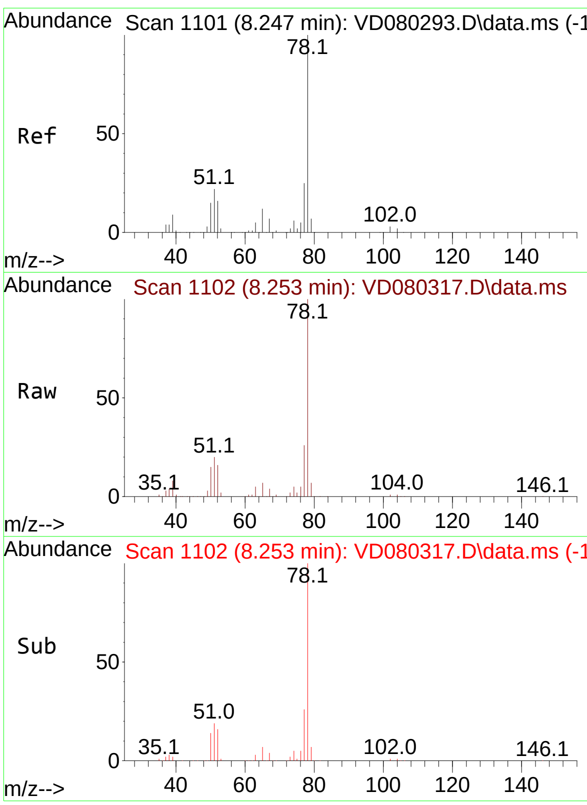
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

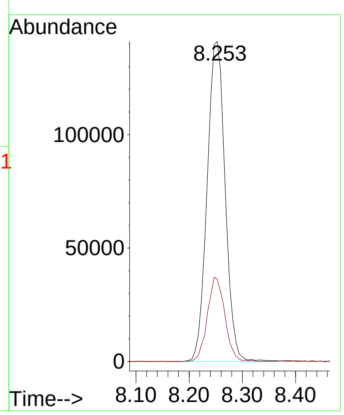




#40
Benzene
Concen: 55.621 ug/l
RT: 8.253 min Scan# 1102
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 78 Resp: 332854

Ion	Ratio	Lower	Upper
78	100		
77	25.7	20.2	30.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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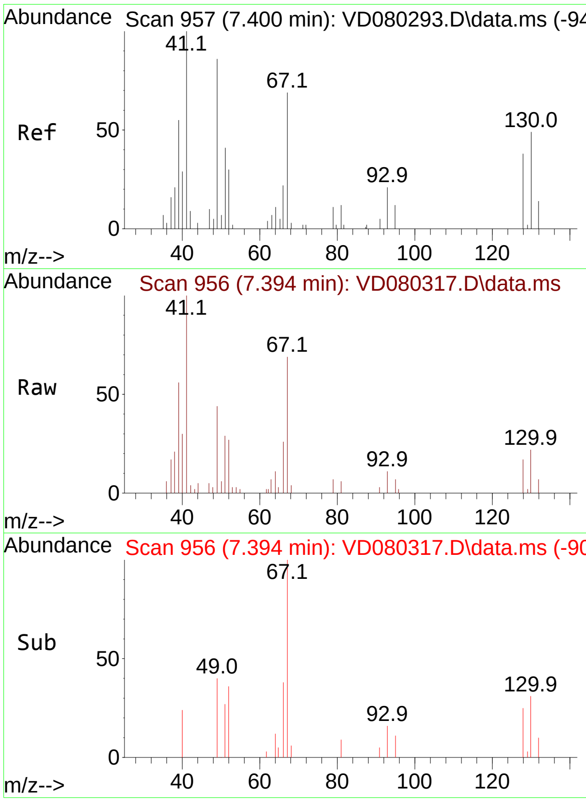
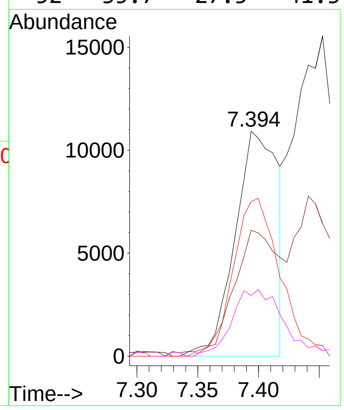
Supervised By :Semsettin Yesilyurt 05/15/2025

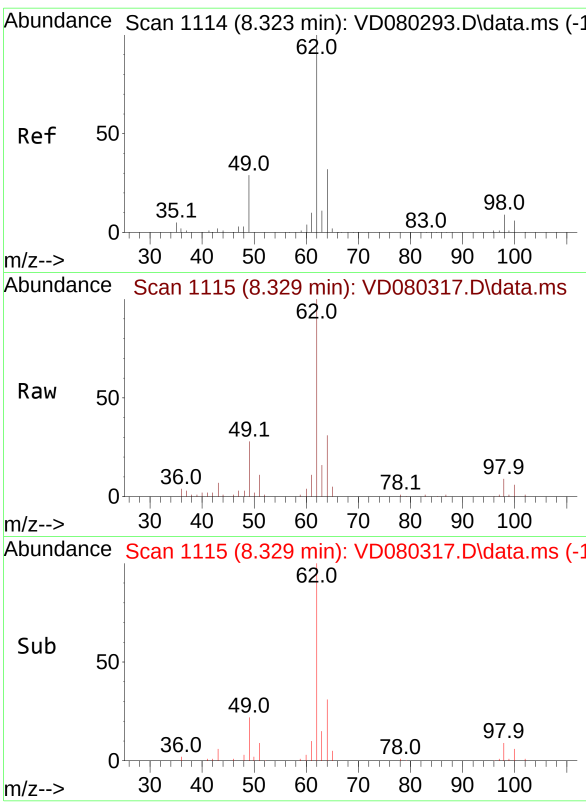


#41
Methacrylonitrile
Concen: 47.959 ug/l
RT: 7.394 min Scan# 9
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 41 Resp: 2650

Ion	Ratio	Lower	Upper
41	100		
39	63.3	47.8	71.8
67	77.2	64.9	97.3
52	35.7	27.5	41.3

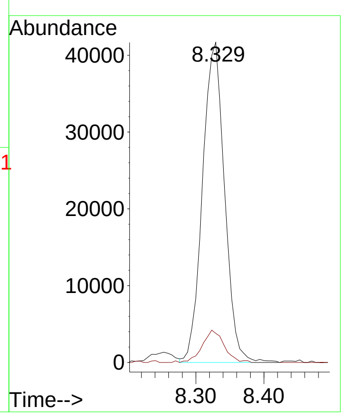




#42
1,2-Dichloroethane
Concen: 54.285 ug/l
RT: 8.329 min Scan# 1115
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 62 Resp: 94135

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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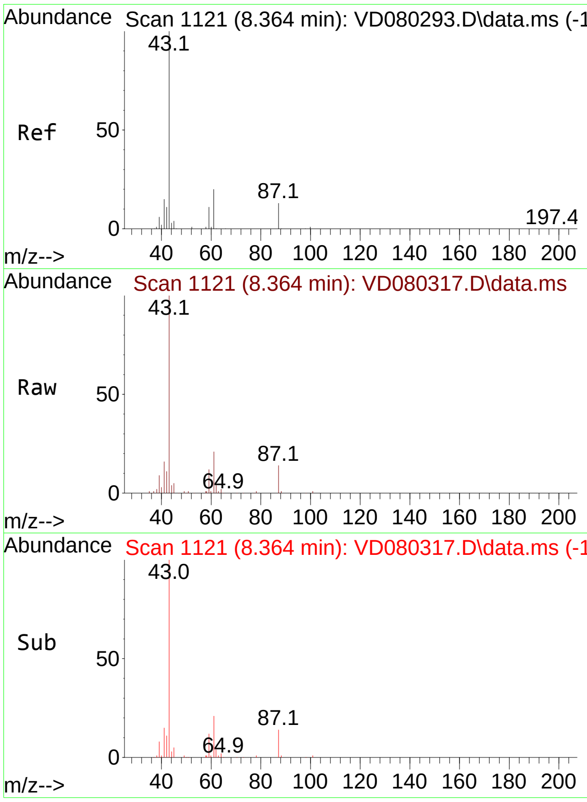
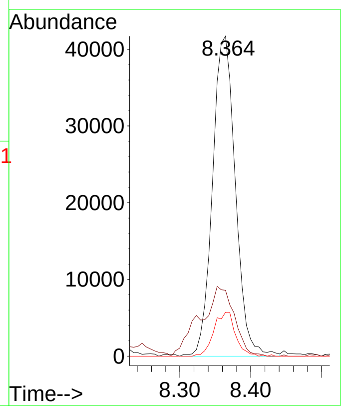
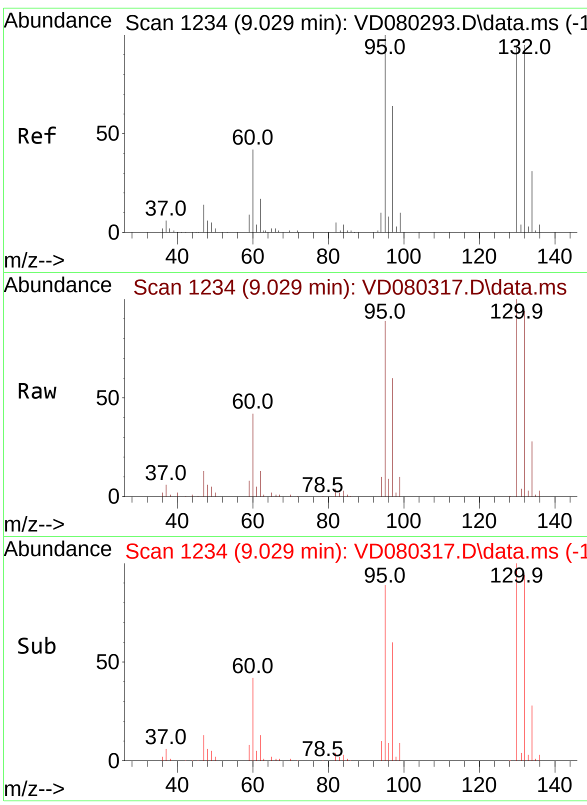
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#43
Isopropyl Acetate
Concen:   51.594 ug/l
RT:    8.364 min   Scan# 1
Delta R.T.   0.006 min
Lab File:    VD080317.D
Acq: 14 May 2025   12:25

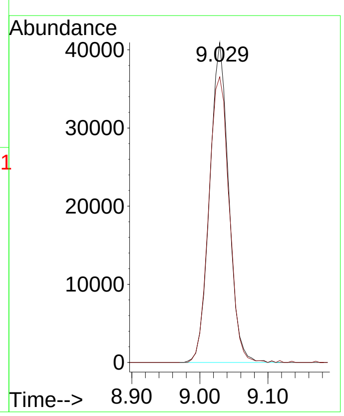
Tgt Ion: 43 Resp:    9343
Ion  Ratio   Lower   Upper
 43  100
 61   22.4    26.2    39.2
 87   13.0    11.8    17.8
```

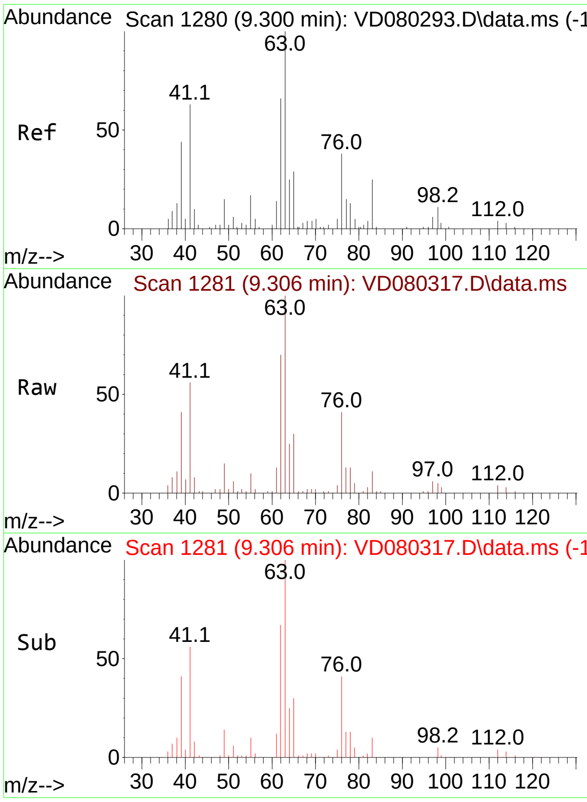





```
#44
Trichloroethene
Concen:   57.288 ug/l
RT:    9.029 min   Scan# 1234
Delta R.T.   0.001 min
Lab File:    VD080317.D
Acq: 14 May 2025   12:25

Tgt Ion:130 Resp:    79582
Ion  Ratio   Lower   Upper
130  100
 95   89.3     0.0   194.6
```





#45
1,2-Dichloropropane
Concen: 57.016 ug/l
RT: 9.306 min   Scan# 1
Delta R.T.   0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

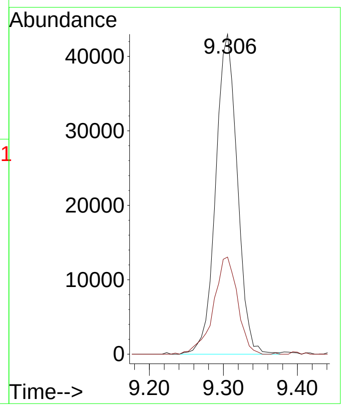
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

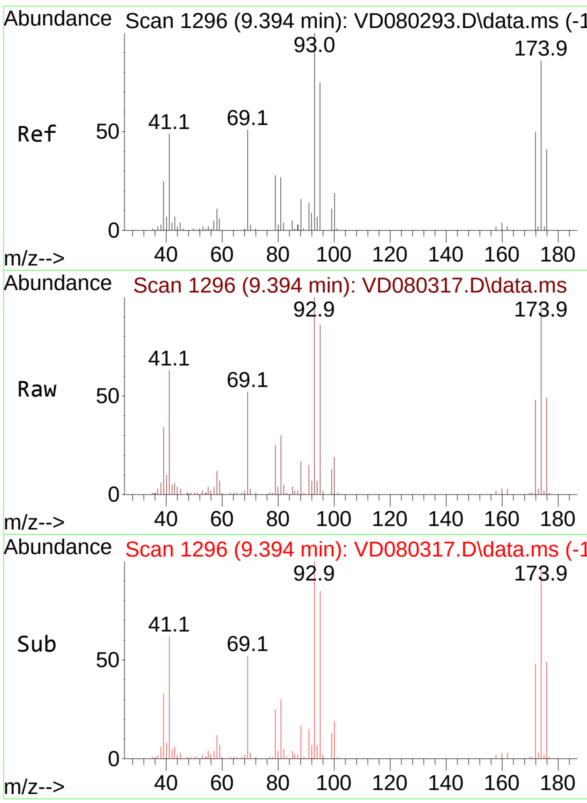
Tgt Ion: 63 Resp: 8750

Ion	Ratio	Lower	Upper
63	100		
65	30.4	26.2	39.4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

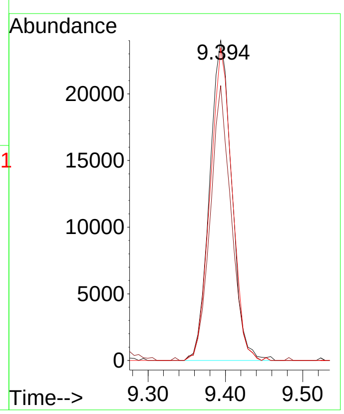




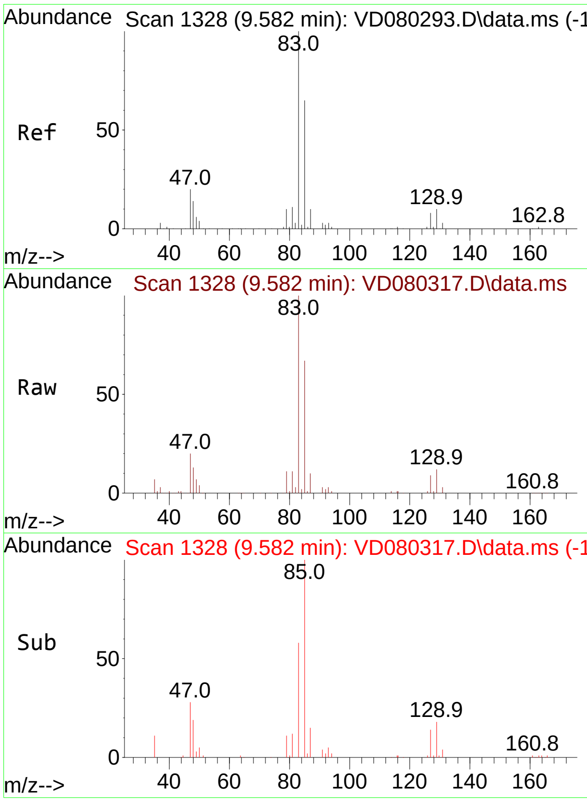
#46
Dibromomethane
Concen: 57.598 ug/l
RT: 9.394 min   Scan# 1296
Delta R.T.   0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 93 Resp: 48130

Ion	Ratio	Lower	Upper
93	100		
95	80.4	67.9	101.9
174	95.7	80.5	120.7



Sample Results: **VD080317.D**



#47
Bromodichloromethane
Concen: 56.179 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 83 Resp: 11915

Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	75.8
127	9.4	6.1	9.1#

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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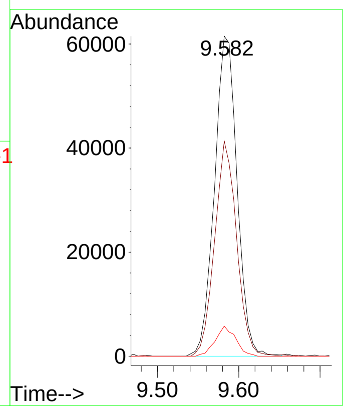
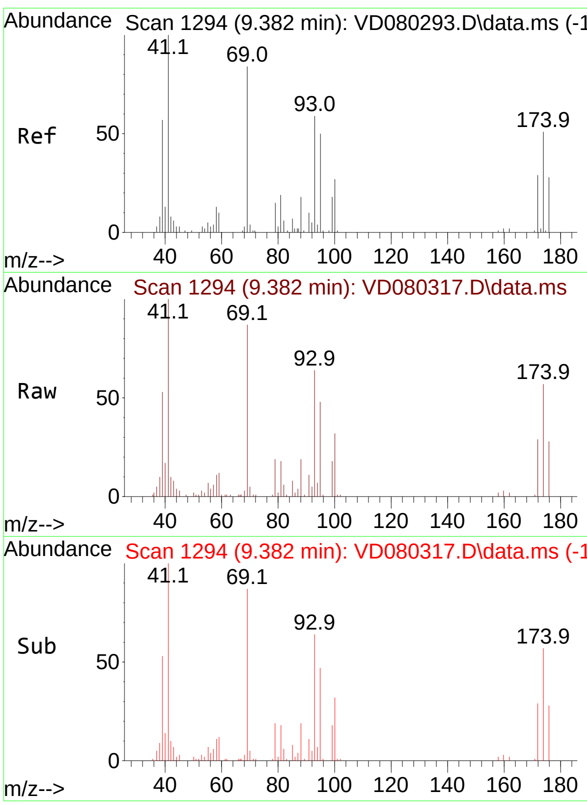
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

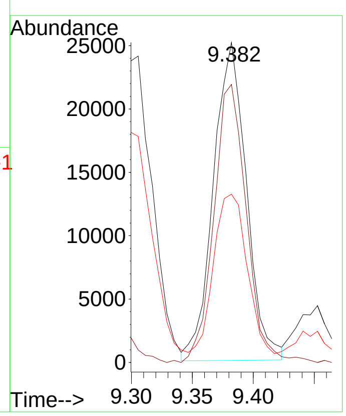




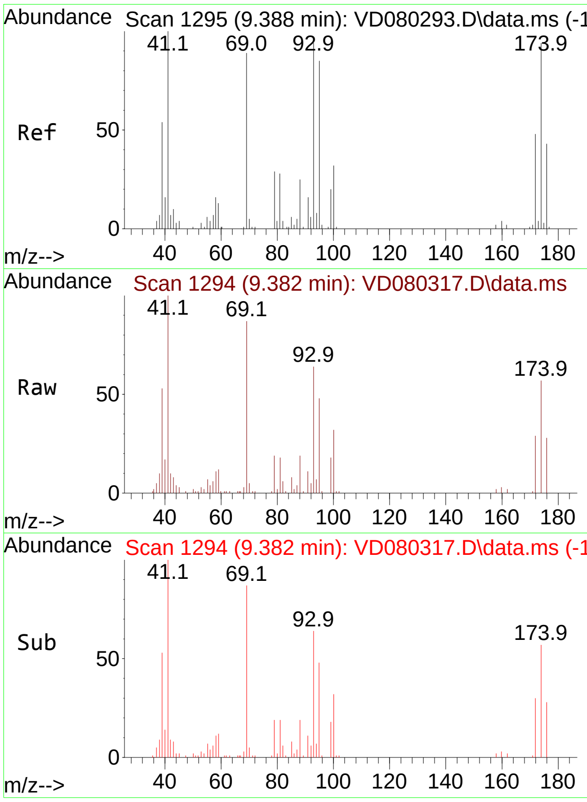
#48
Methyl methacrylate
Concen: 55.050 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 41 Resp: 47370

Ion	Ratio	Lower	Upper
41	100		
69	86.2	74.0	111.0
39	50.8	41.9	62.9



Sample Results: **VD080317.D**



#49
1,4-Dioxane
Concen: 1109.933 ug/l
RT: 9.382 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 1102

Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.1	43.7
58	72.7	59.9	89.9

Manual Integrations
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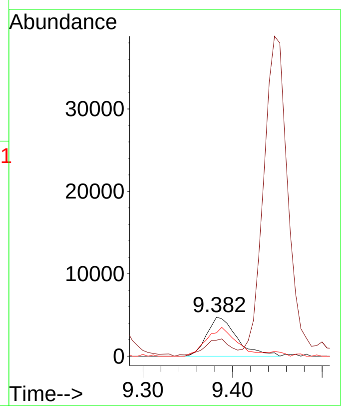
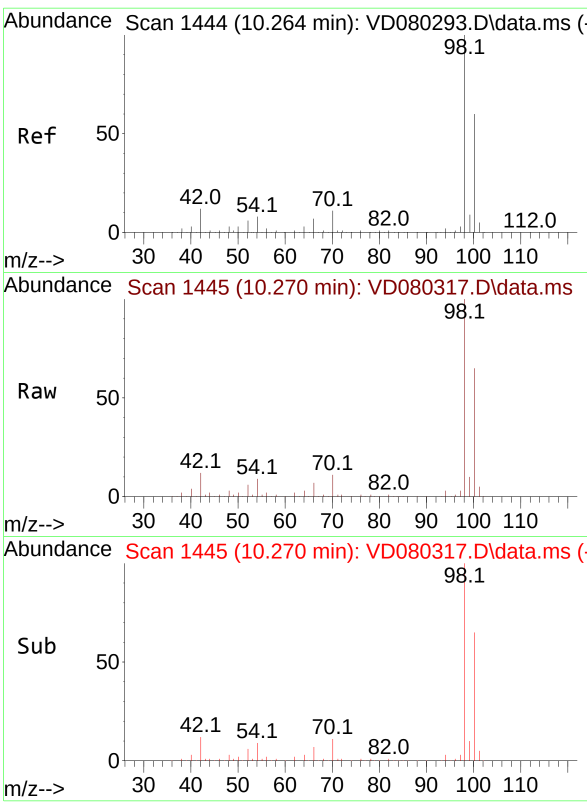
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

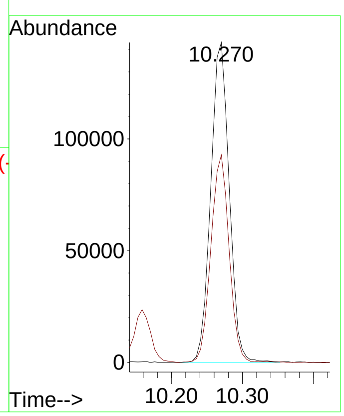


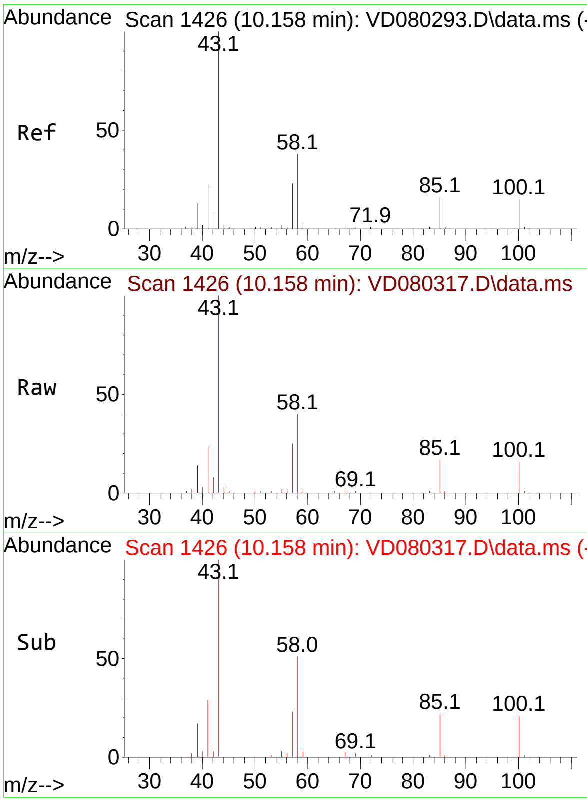


#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 98 Resp: 259287

Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.2	75.4





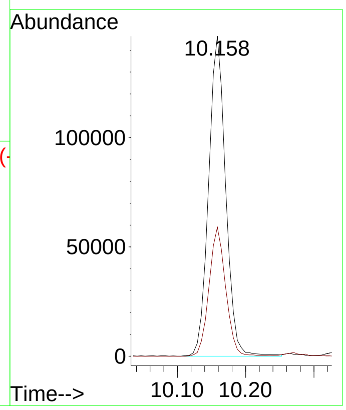
#51
4-Methyl-2-Pentanone
Concen: 273.148 ug/l
RT: 10.158 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

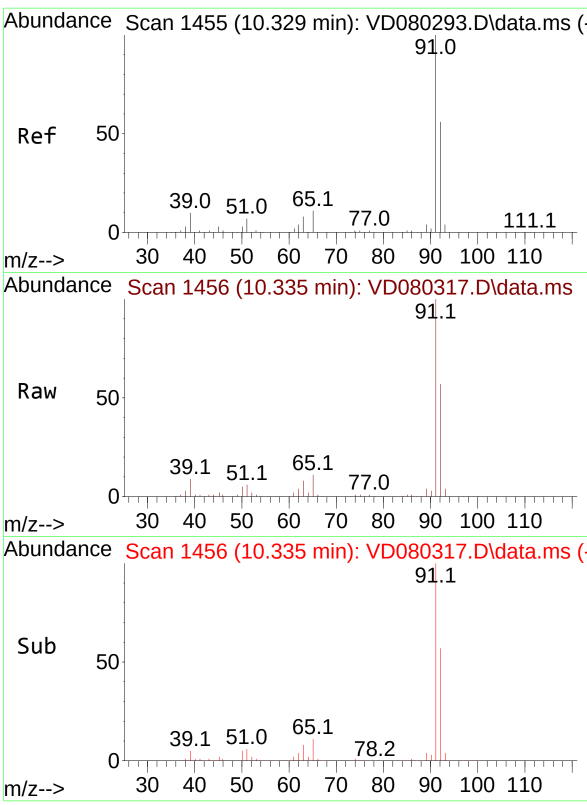
Tgt Ion: 43 Resp: 25488

Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.8	49.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

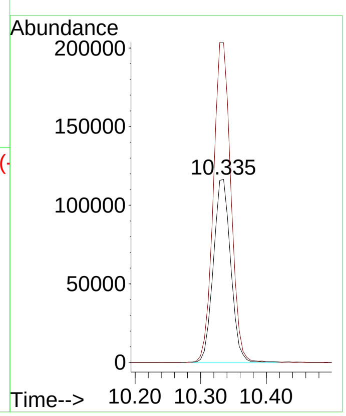




#52
Toluene
Concen: 59.003 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 92 Resp: 212721

Ion	Ratio	Lower	Upper
92	100		
91	176.7	139.3	208.9



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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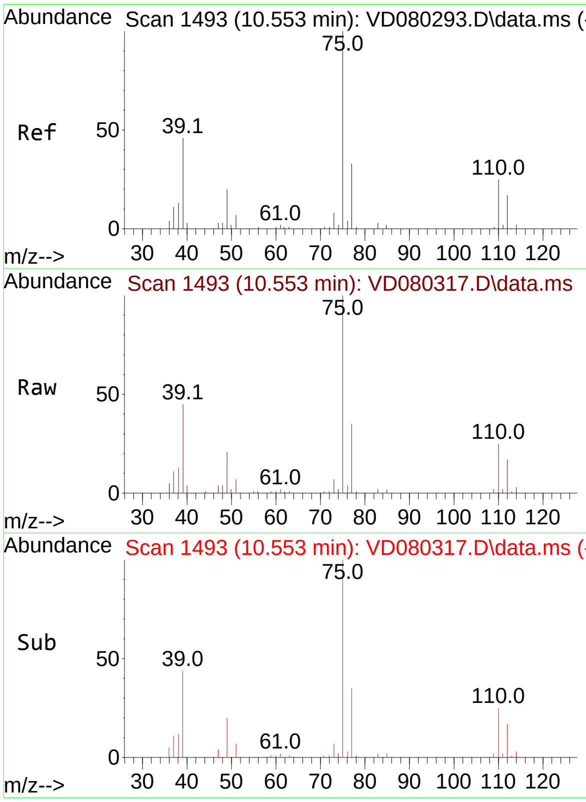
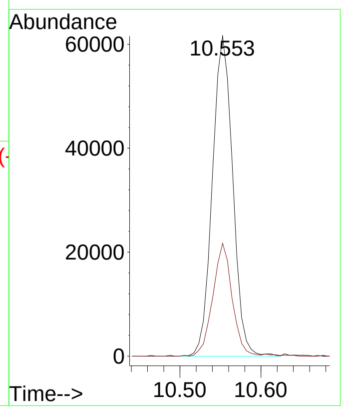
Supervised By :Semsettin Yesilyurt 05/15/2025

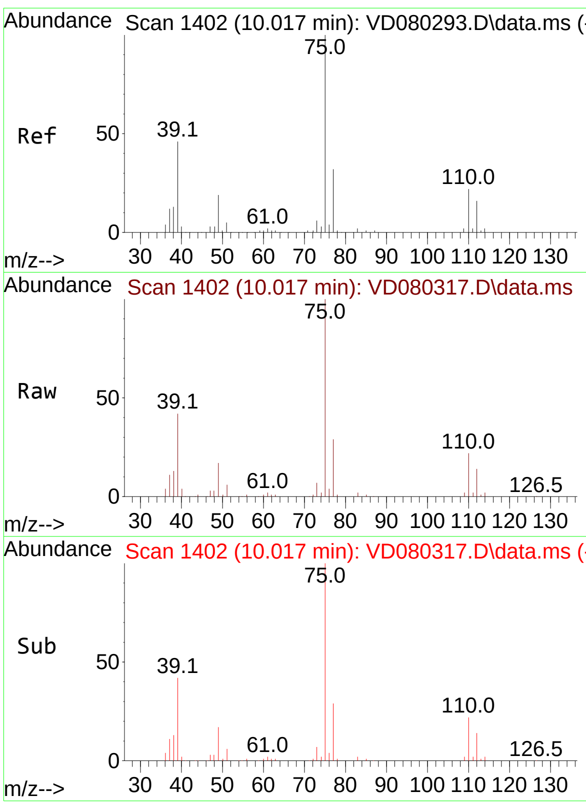


#53
t-1,3-Dichloropropene
Concen: 55.672 ug/l
RT: 10.553 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 75 Resp: 10764

Ion	Ratio	Lower	Upper
75	100		
77	35.2	24.1	36.1

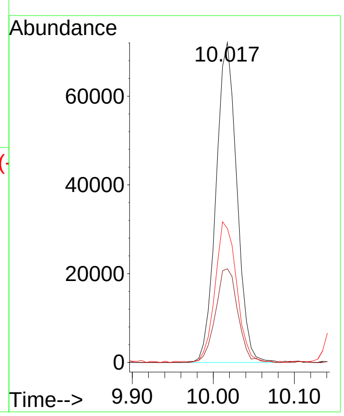


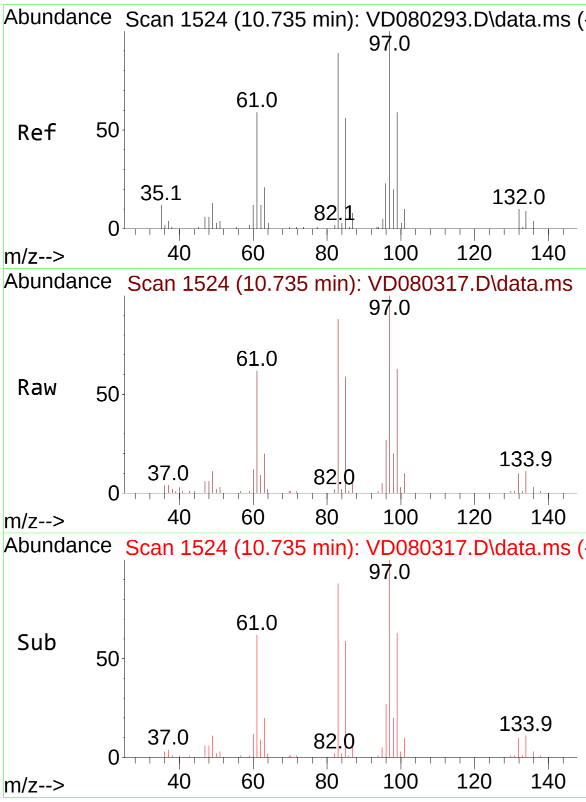


#54
cis-1,3-Dichloropropene
Concen: 57.720 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 75 Resp: 129329

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.0	37.4
39	41.6	33.2	49.8

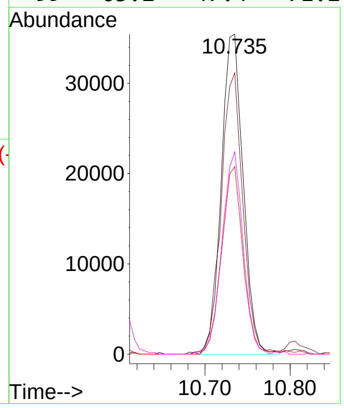




#55
1,1,2-Trichloroethane
Concen: 57.398 ug/l
RT: 10.735 min Scan# 1!
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 97 Resp: 6344

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.2	103.8
85	58.6	43.0	64.6
99	63.2	47.4	71.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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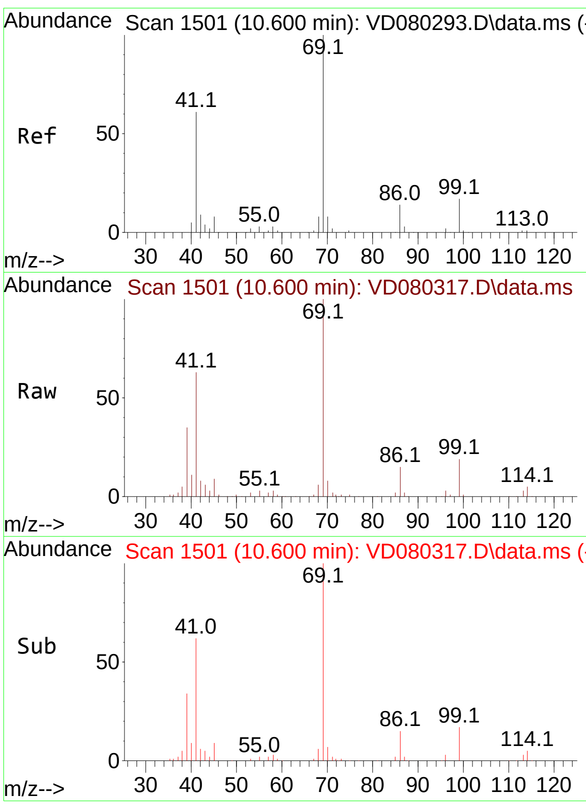
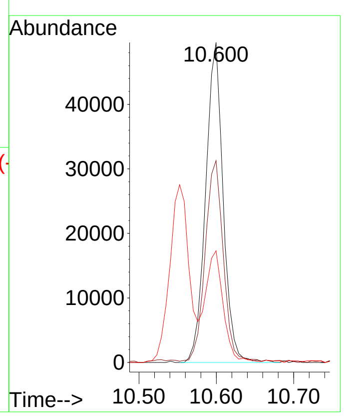
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



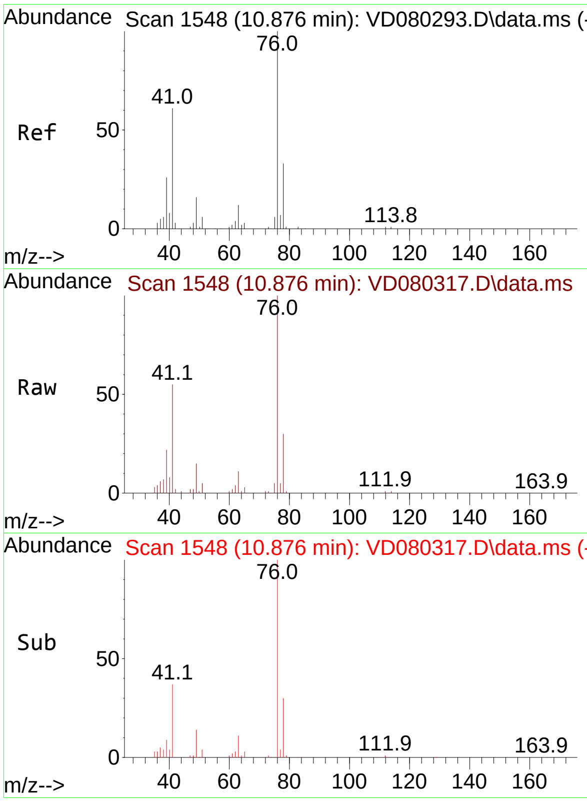
#56
Ethyl methacrylate
Concen: 58.259 ug/l
RT: 10.600 min Scan# 1501
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 69 Resp: 78031

Ion	Ratio	Lower	Upper
69	100		
41	64.5	50.4	75.6
39	34.8	26.0	39.0



Sample Results: **VD080317.D**



#57
1,3-Dichloropropane
Concen: 57.994 ug/l
RT: 10.876 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 76 Resp: 10653

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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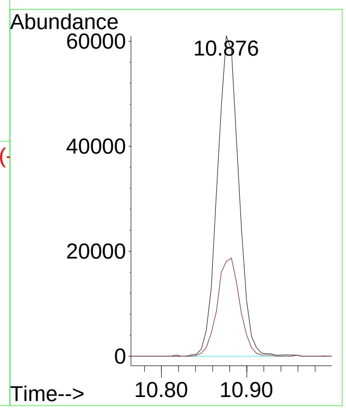
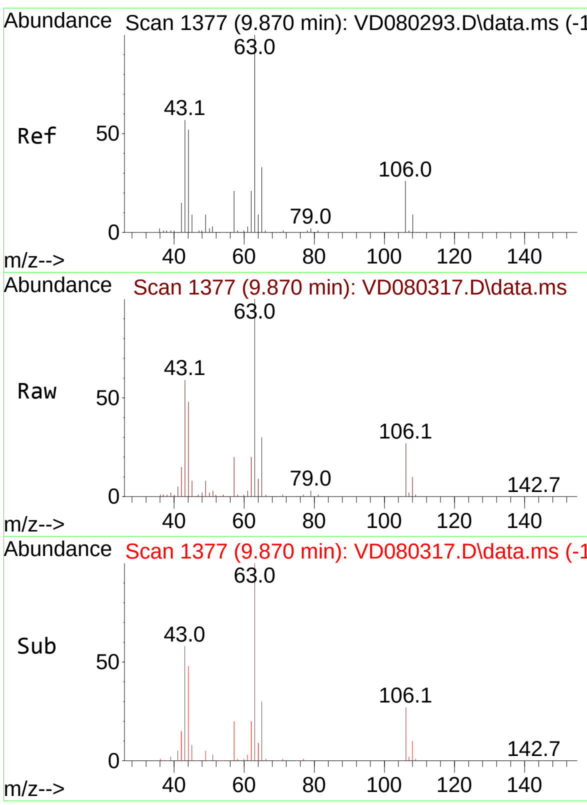
Supervised By :Semsettin Yesilyurt 05/15/2025

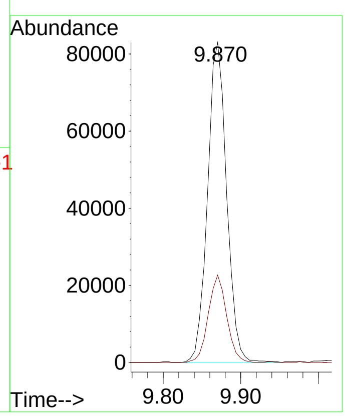




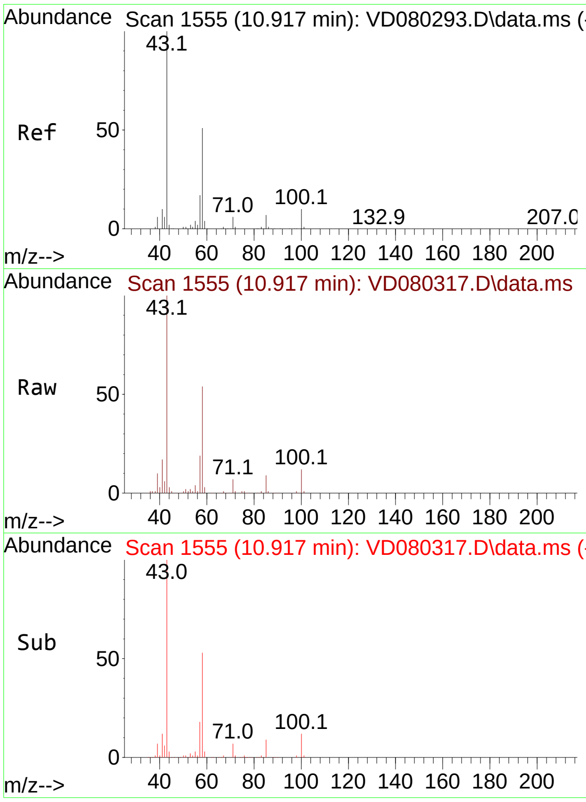
#58
2-Chloroethyl Vinyl ether
Concen: 258.709 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 63 Resp: 141807

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.8	32.6



Sample Results: **VD080317.D**



#59
2-Hexanone
Concen: 282.846 ug/l
RT: 10.917 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 18155

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.8	83.4

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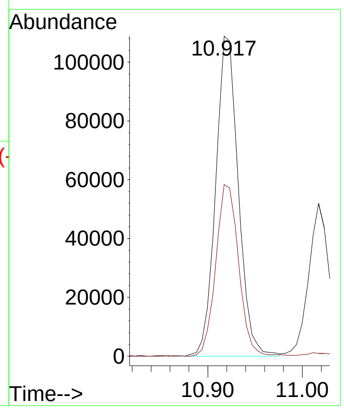
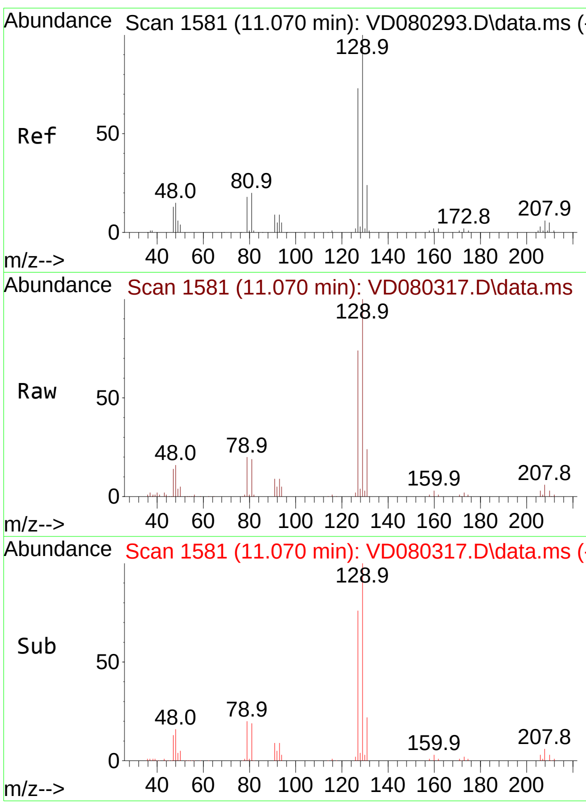
Supervised By :Semsettin Yesilyurt 05/15/2025

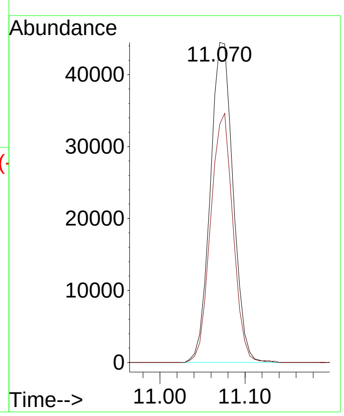


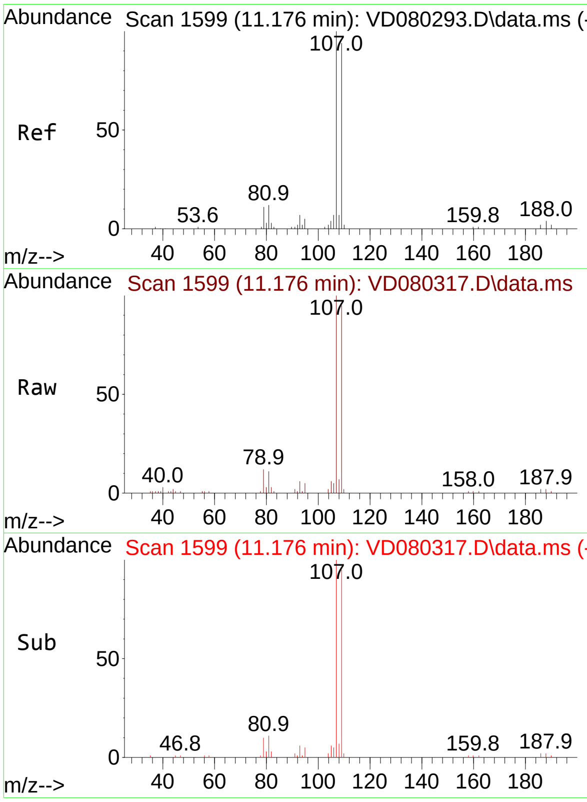


#60
Dibromochloromethane
Concen: 59.995 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:129 Resp: 83105

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.4	115.2





#61
1,2-Dibromoethane
Concen: 57.549 ug/l
RT: 11.176 min Scan# 1599
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:107 Resp: 58985

Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.9	110.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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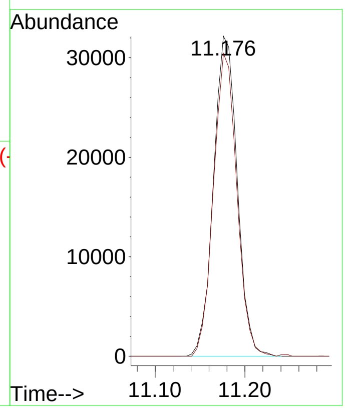
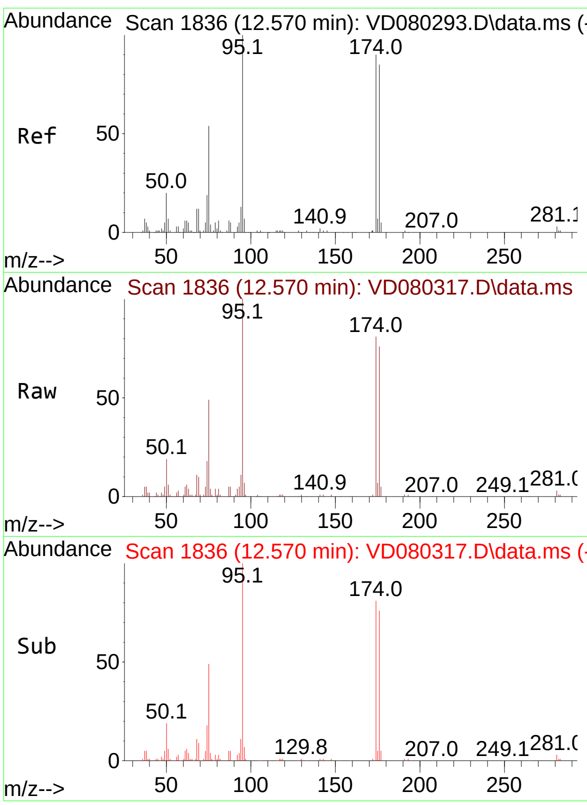
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

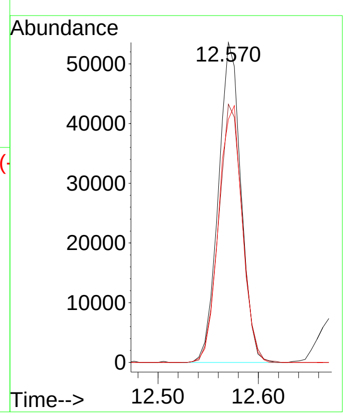




#62
4-Bromofluorobenzene
Concen: 51.843 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 95 Resp: 83786

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	173.4
176	84.4	0.0	166.6



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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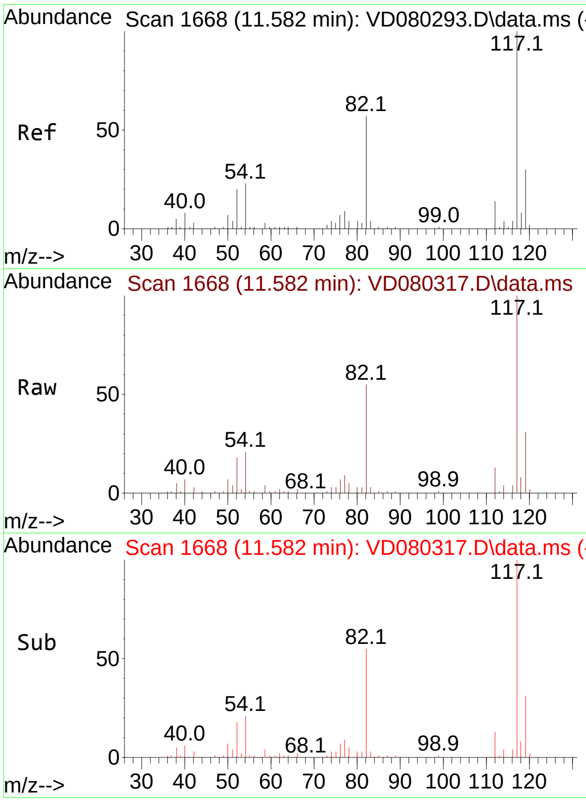
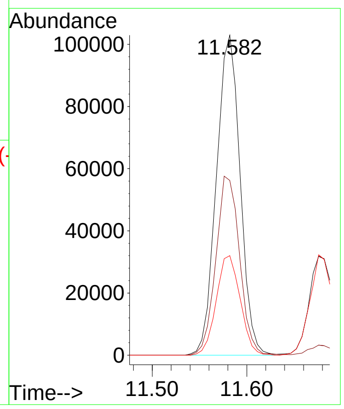
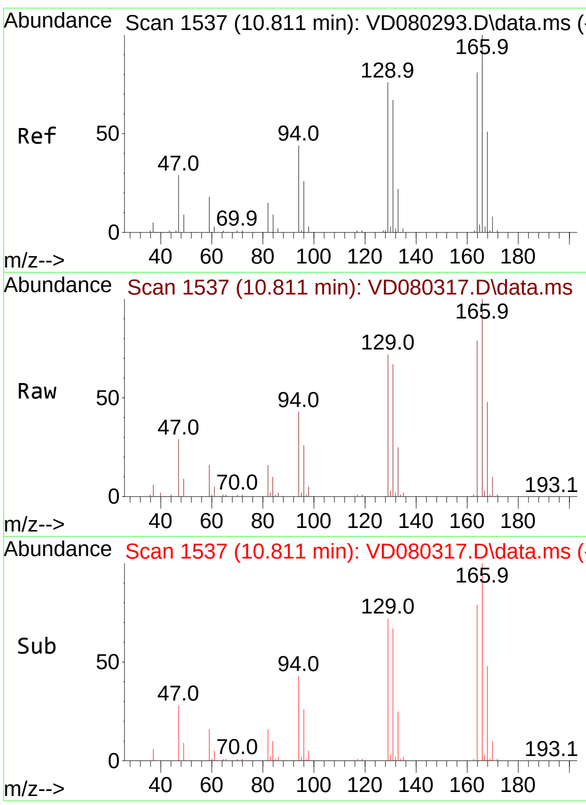


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:117 Resp: 18007

Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.8	68.6
119	31.1	26.2	39.2

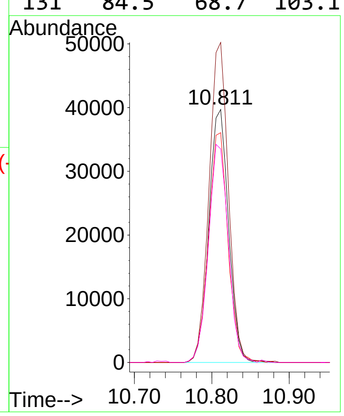




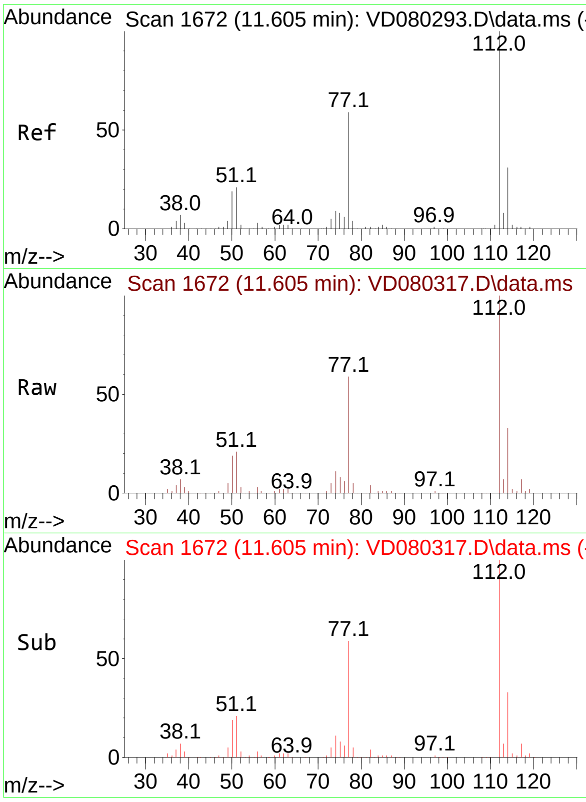
#64
Tetrachloroethene
Concen: 57.917 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:164 Resp: 70626

Ion	Ratio	Lower	Upper
164	100		
166	126.5	97.5	146.3
129	90.9	70.6	106.0
131	84.5	68.7	103.1



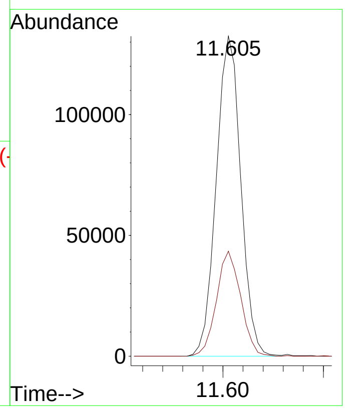
Sample Results: **VD080317.D**



#65
Chlorobenzene
Concen: 55.357 ug/l
RT: 11.605 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:112 Resp: 22508

Ion	Ratio	Lower	Upper
112	100		
114	32.8	24.6	37.0



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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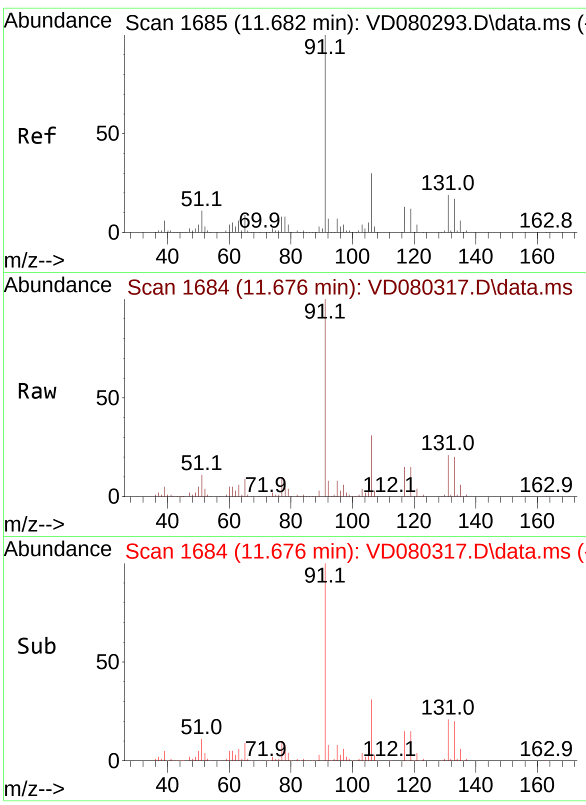
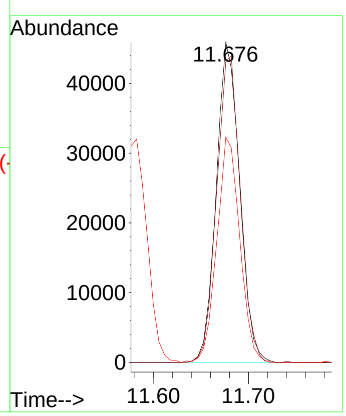
Supervised By :Semsettin Yesilyurt 05/15/2025

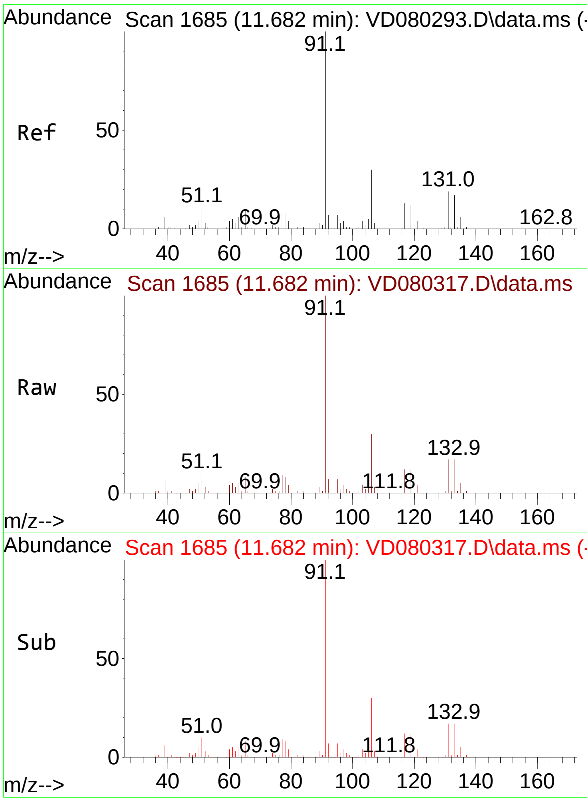


#66
1,1,1,2-Tetrachloroethane
Concen: 56.704 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:131 Resp: 79213

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.8	146.4
119	68.8	34.8	104.3





#67
Ethyl Benzene
Concen: 59.028 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 401088

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4

Manual Integrations
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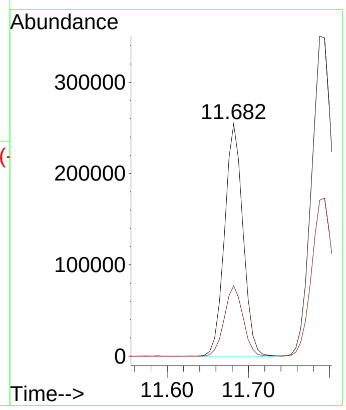
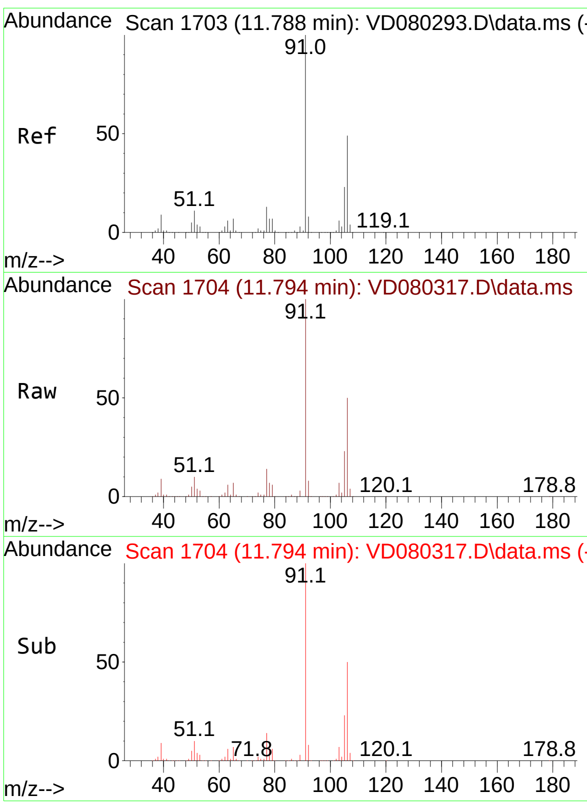
Supervised By :Semsettin Yesilyurt 05/15/2025

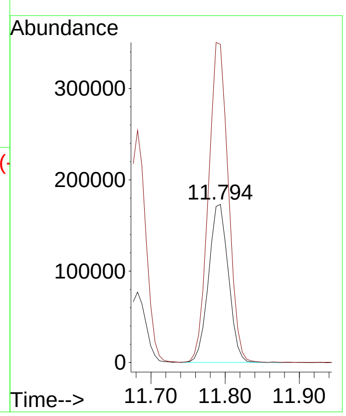


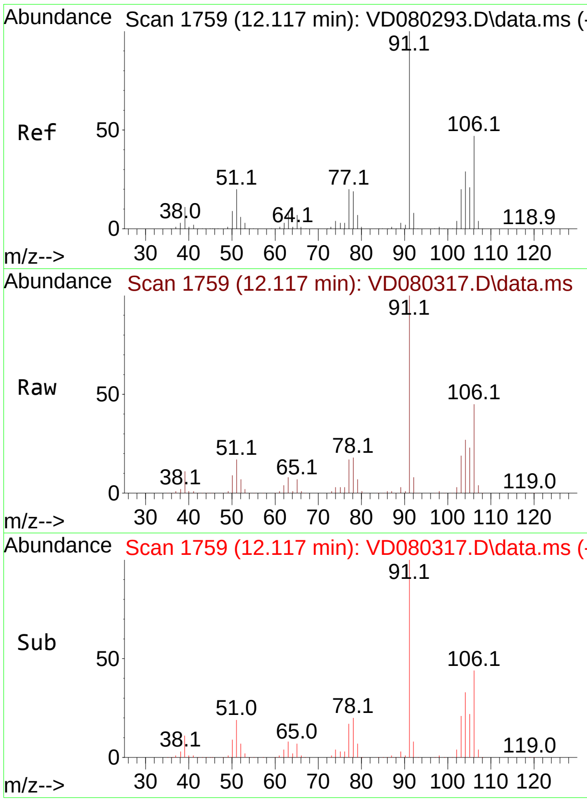


#68
m/p-Xylenes
Concen: 121.965 ug/l
RT: 11.794 min Scan# 1704
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:106 Resp: 321783

Ion	Ratio	Lower	Upper
106	100		
91	202.2	162.6	244.0






```
#69
o-Xylene
Concen:   59.279 ug/l
RT:  12.117 min  Scan# 1
Delta R.T.  0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

Tgt Ion:106 Resp:  14291
Ion  Ratio  Lower  Upper
106  100
 91  216.9  110.5  331.5
```

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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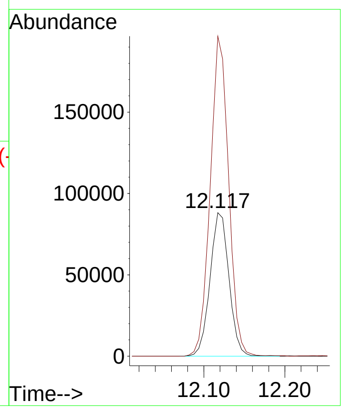
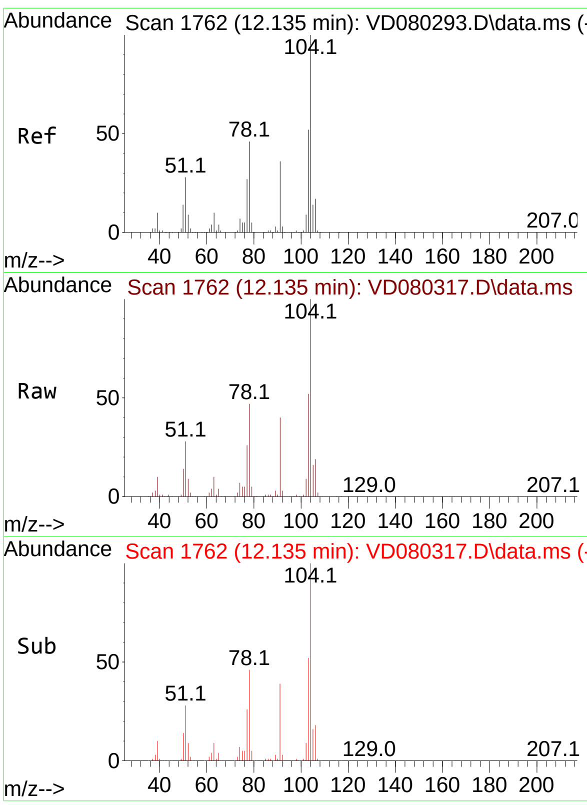
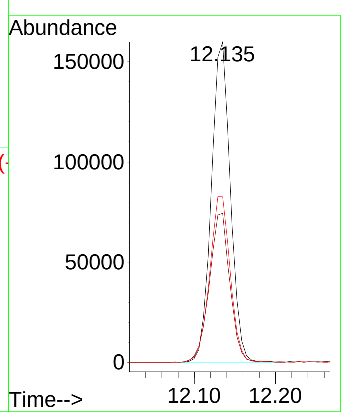
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025






```
#70
Styrene
Concen:   60.144 ug/l
RT:  12.135 min  Scan# 1762
Delta R.T.  0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

Tgt Ion:104 Resp:  260369
Ion  Ratio  Lower  Upper
104  100
 78   50.3   39.8   59.8
103   56.0   45.2   67.8
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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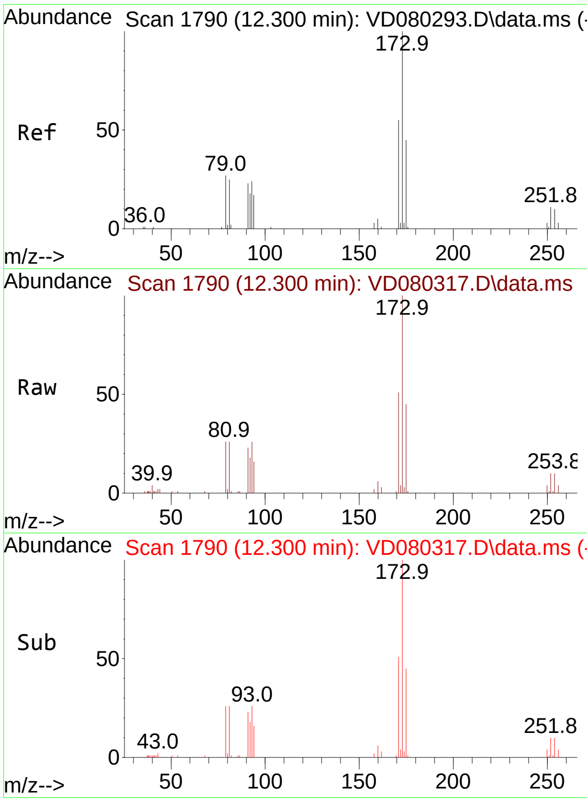
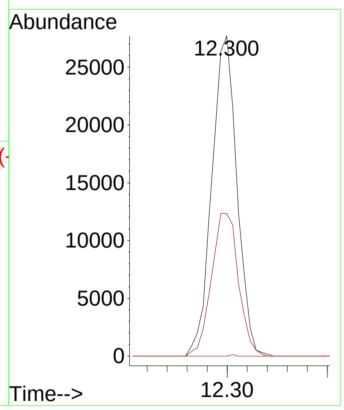
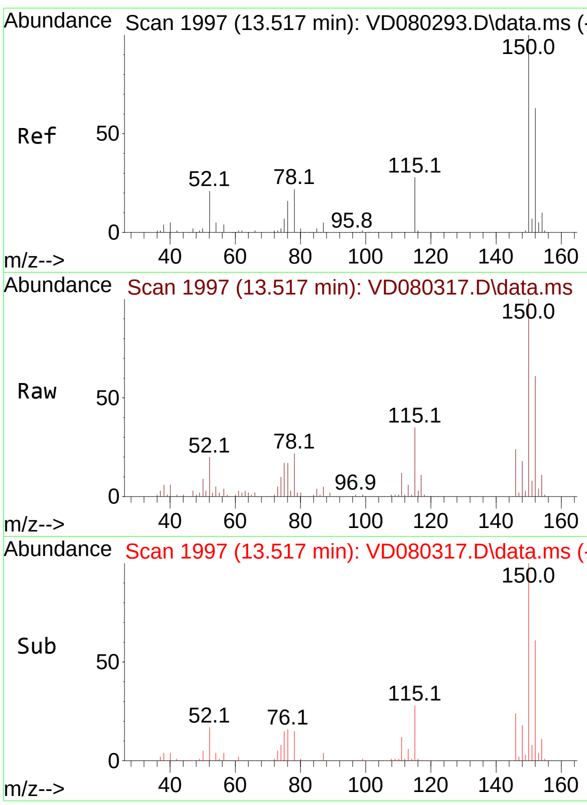


#71
Bromoform
Concen: 58.163 ug/l
RT: 12.300 min Scan# 1
Delta R.T. 0.007 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:173 Resp: 4827

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.8	74.3
254	0.1	0.0	0.0

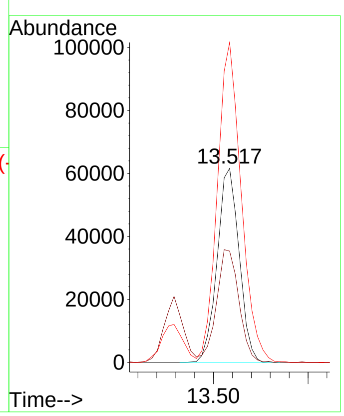




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:152 Resp: 99603

Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.9	86.8
150	178.8	0.0	354.8



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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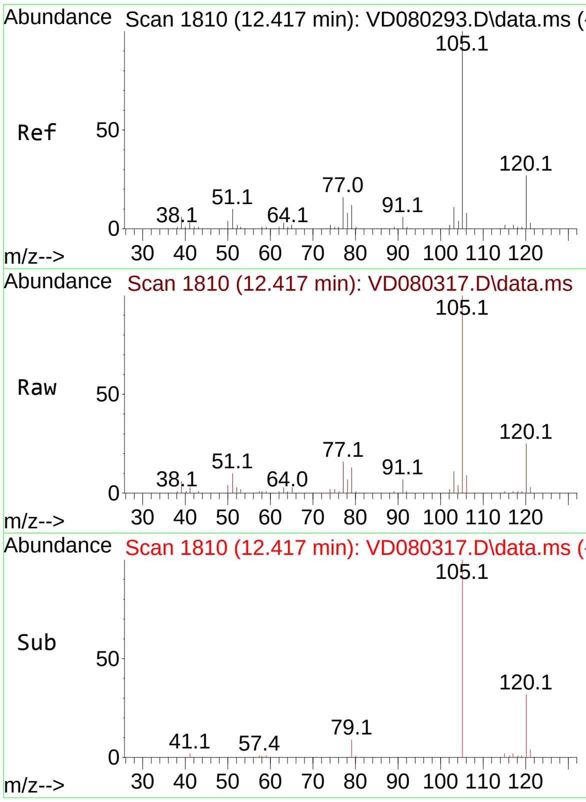
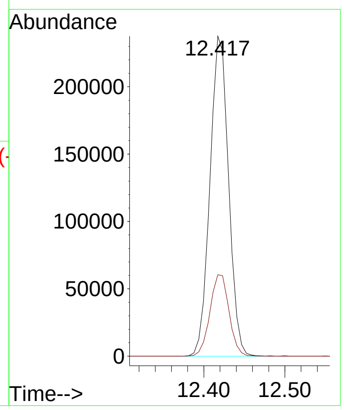
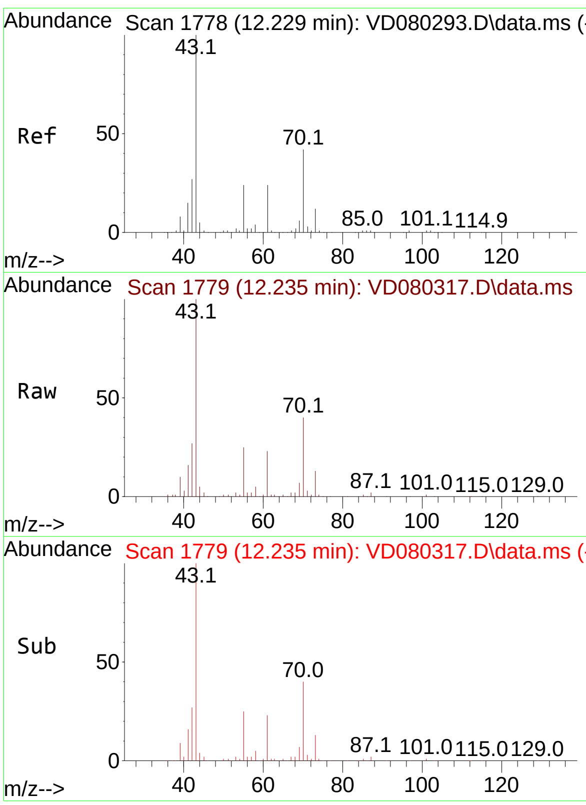


#73
Isopropylbenzene
Concen: 58.646 ug/l
RT: 12.417 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:105 Resp: 37891

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.9

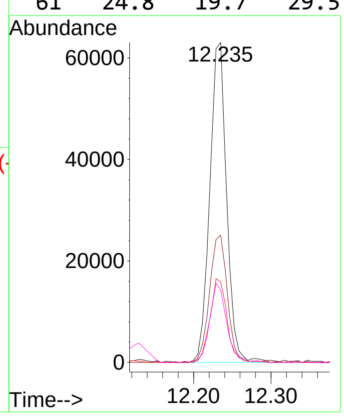


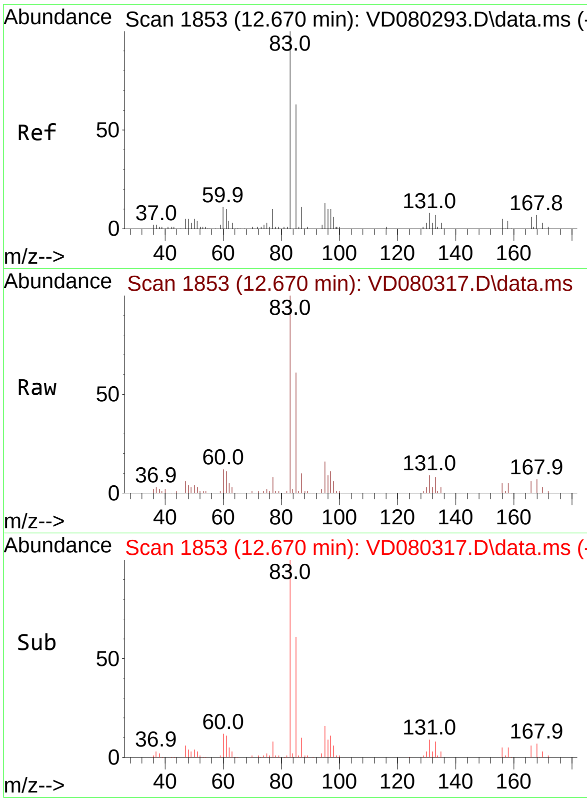


#74
N-amyl acetate
Concen: 51.600 ug/l
RT: 12.235 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 43 Resp: 95686

Ion	Ratio	Lower	Upper
43	100		
70	42.0	36.3	54.5
55	26.3	20.3	30.5
61	24.8	19.7	29.5





#75
1,1,2,2-Tetrachloroethane
Concen: 52.586 ug/l
RT: 12.670 min Scan# 18
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Instrument : MSVOA_D
ClientSampleId : VSTDCCC050

Tgt Ion: 83 Resp: 74716

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	63.3	32.9	98.6

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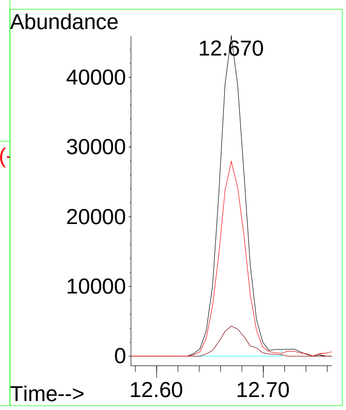
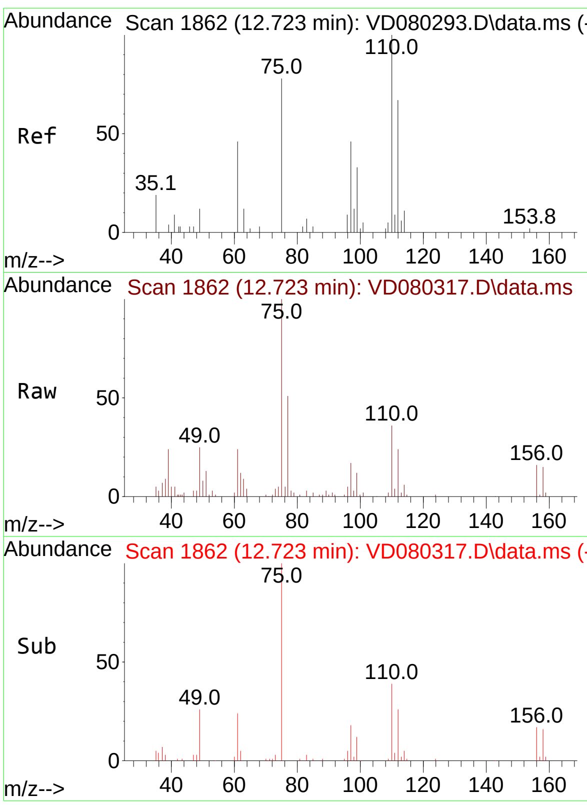
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

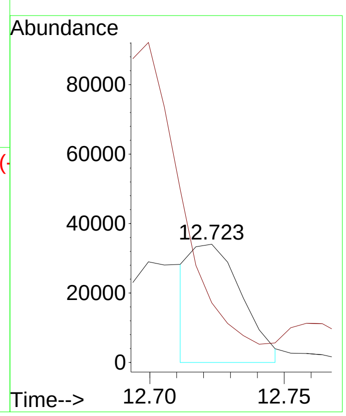


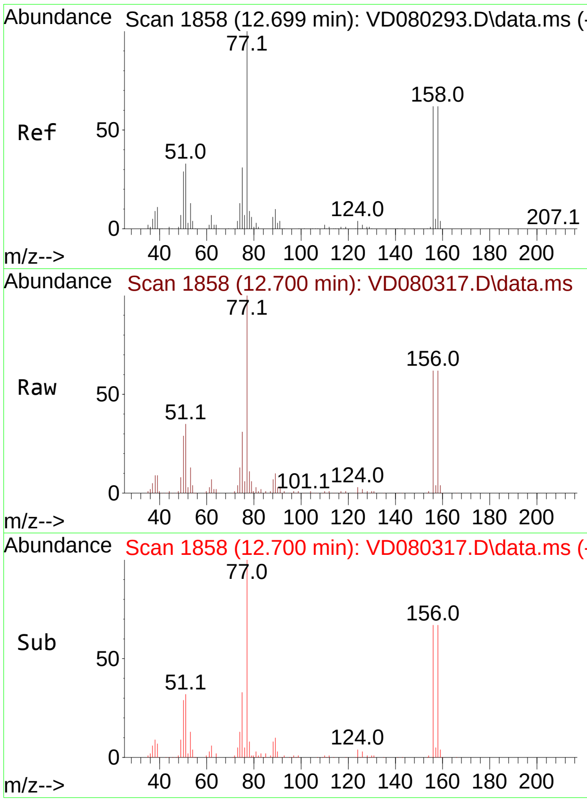


#76
1,2,3-Trichloropropane
Concen: 47.066 ug/l m
RT: 12.723 min Scan# 1862
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 75 Resp: 45245

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





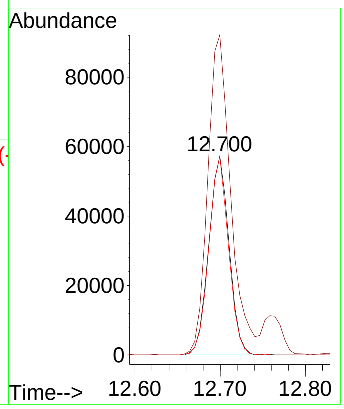
#77
Bromobenzene
Concen: 56.606 ug/l
RT: 12.700 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

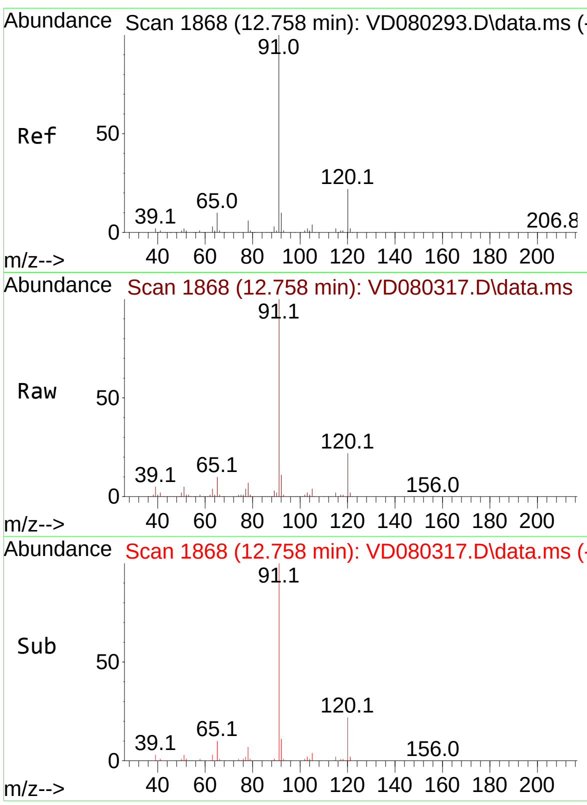
Tgt Ion:156 Resp: 9486

Ion	Ratio	Lower	Upper
156	100		
77	181.3	89.8	269.6
158	96.5	47.9	143.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

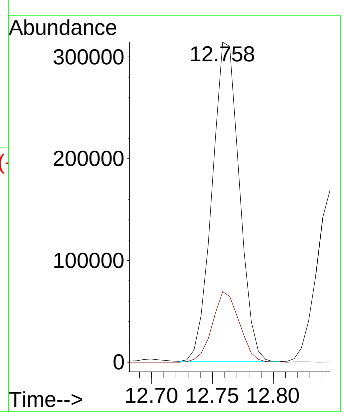




#78
n-propylbenzene
Concen: 60.467 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 91 Resp: 490275

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
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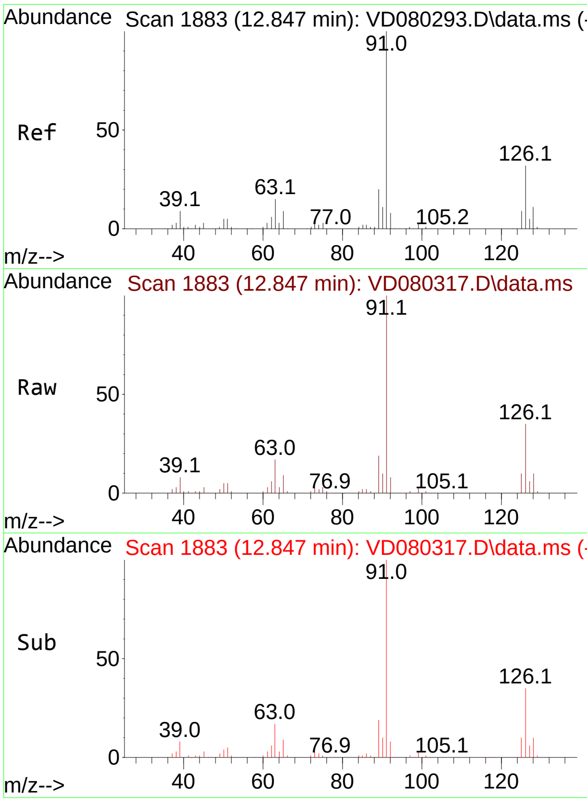
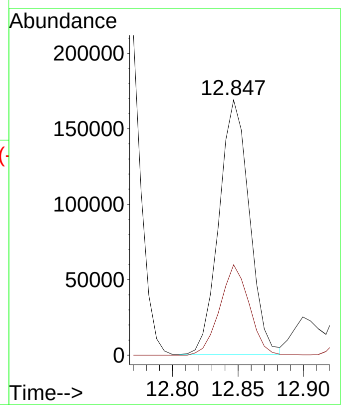
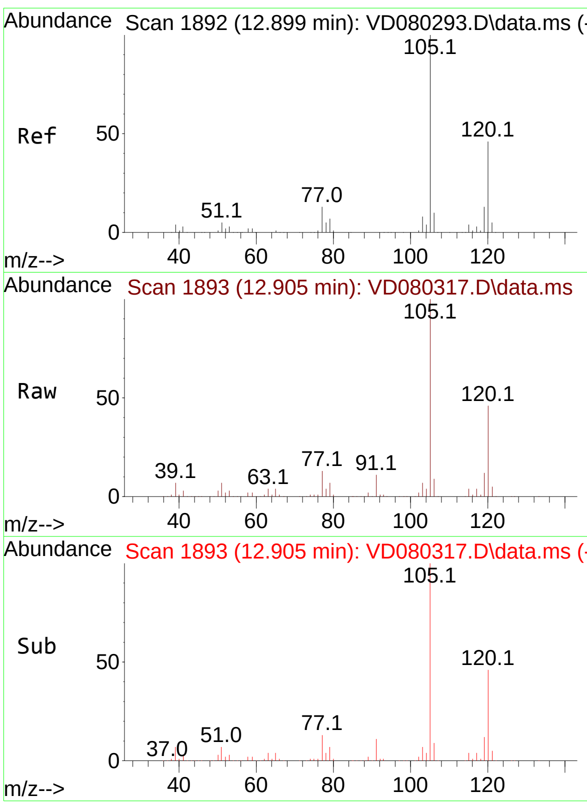


#79
2-Chlorotoluene
Concen: 57.750 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 91 Resp: 27236

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.5

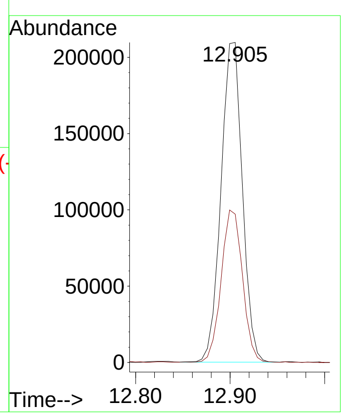


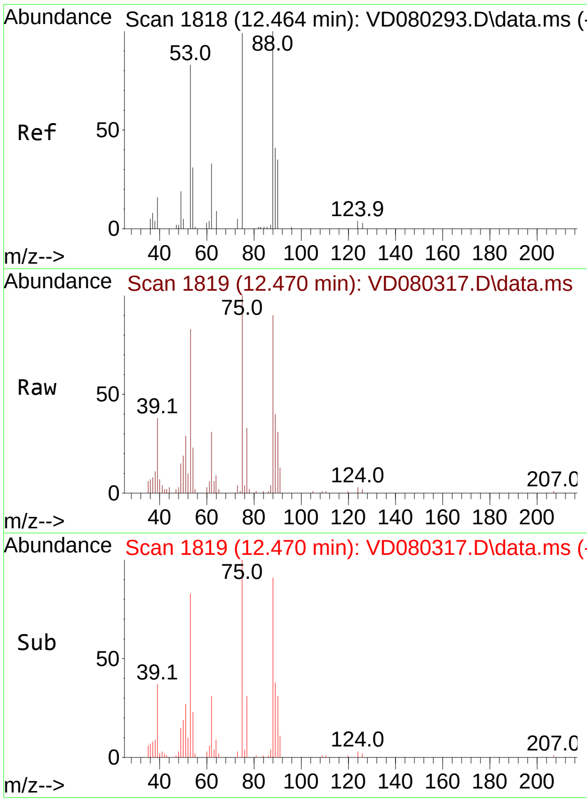


#80
1,3,5-Trimethylbenzene
Concen: 59.869 ug/l
RT: 12.905 min Scan# 1893
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:105 Resp: 329924

Ion	Ratio	Lower	Upper
105	100		
120	47.4	25.0	75.0





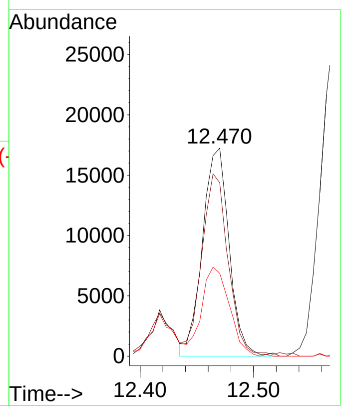
#81
trans-1,4-Dichloro-2-butene
Concen: 55.808 ug/l
RT: 12.470 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

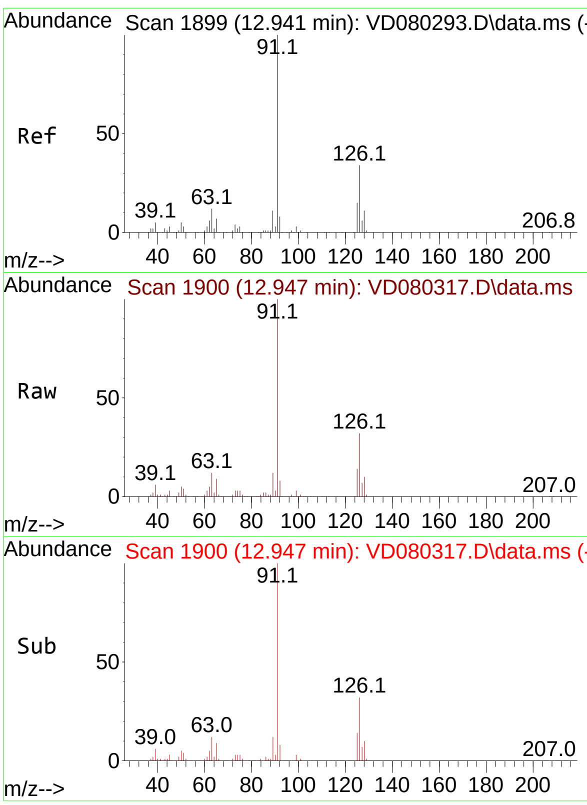
Tgt Ion: 75 Resp: 2826

Ion	Ratio	Lower	Upper
75	100		
53	85.3	68.7	103.1
89	44.3	36.1	54.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

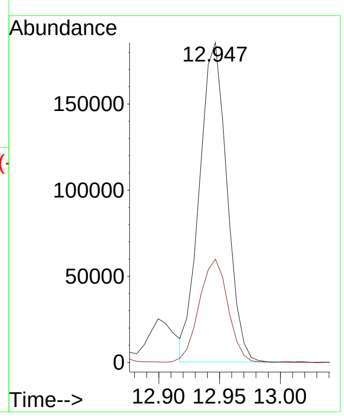




#82
4-Chlorotoluene
Concen: 57.292 ug/l
RT: 12.947 min Scan# 1900
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 91 Resp: 291672

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.3



Sample Results: **VD080317.D**

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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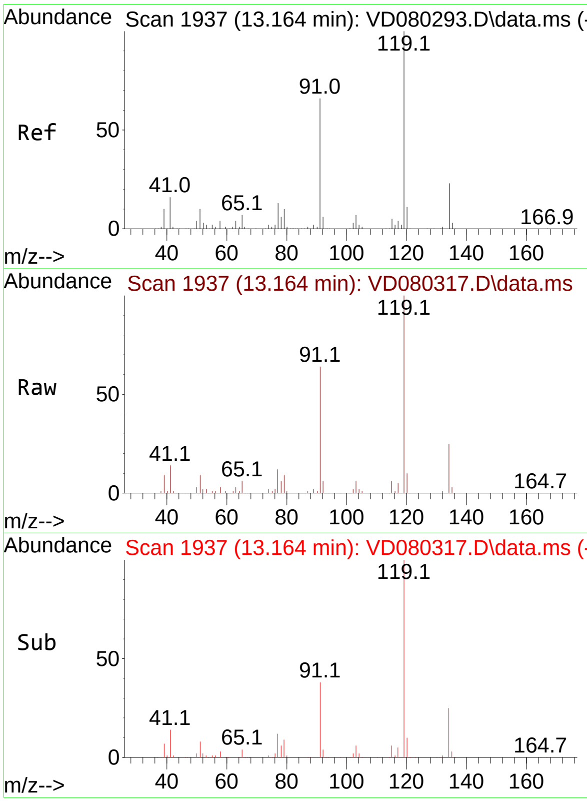
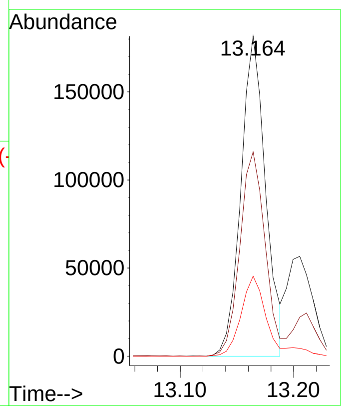
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

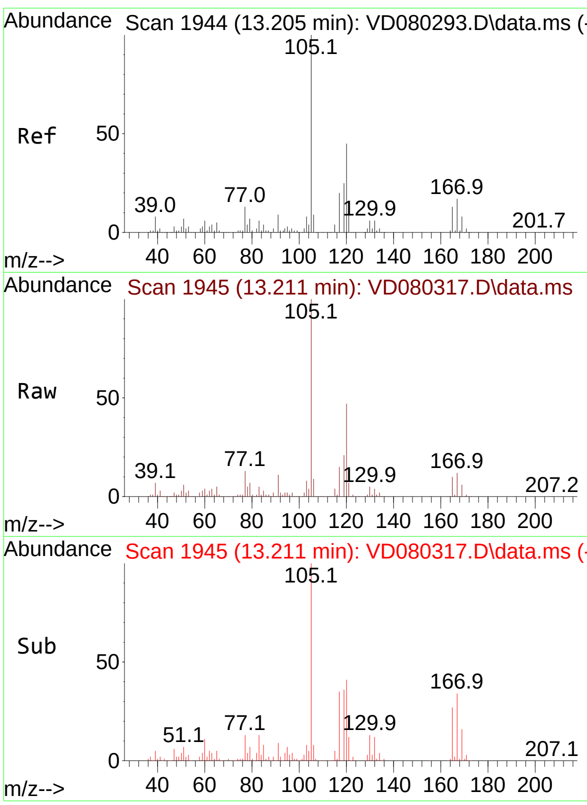


#83
tert-Butylbenzene
Concen: 59.774 ug/l
RT: 13.164 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:119 Resp: 27487

Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.3	99.9
134	26.8	13.5	40.5

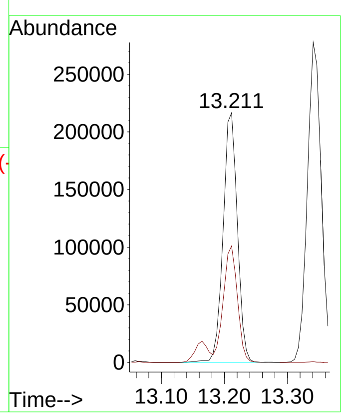


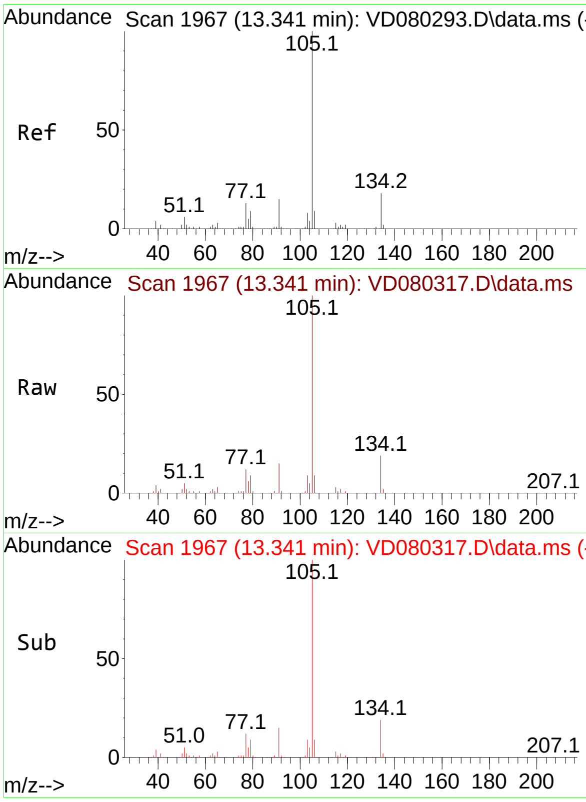


#84
1,2,4-Trimethylbenzene
Concen: 60.503 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:105 Resp: 341142

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.8	68.4





#85
sec-Butylbenzene
Concen: 60.255 ug/l
RT: 13.341 min Scan# 19
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

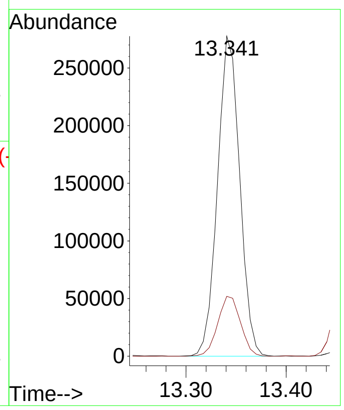
Tgt Ion:105 Resp: 42729

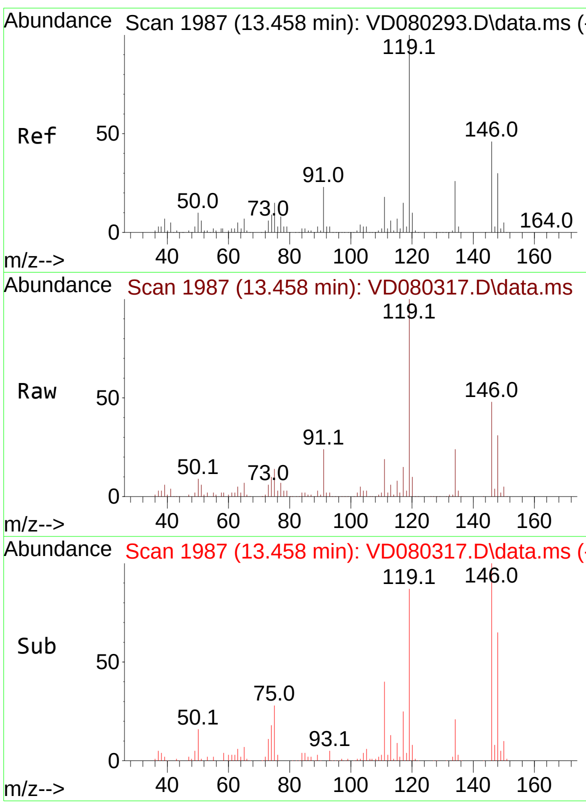
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

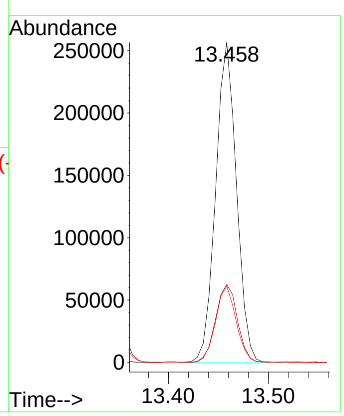




#86
p-Isopropyltoluene
Concen: 62.104 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:119 Resp: 370143

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.1
91	23.4	12.2	36.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/15/2025
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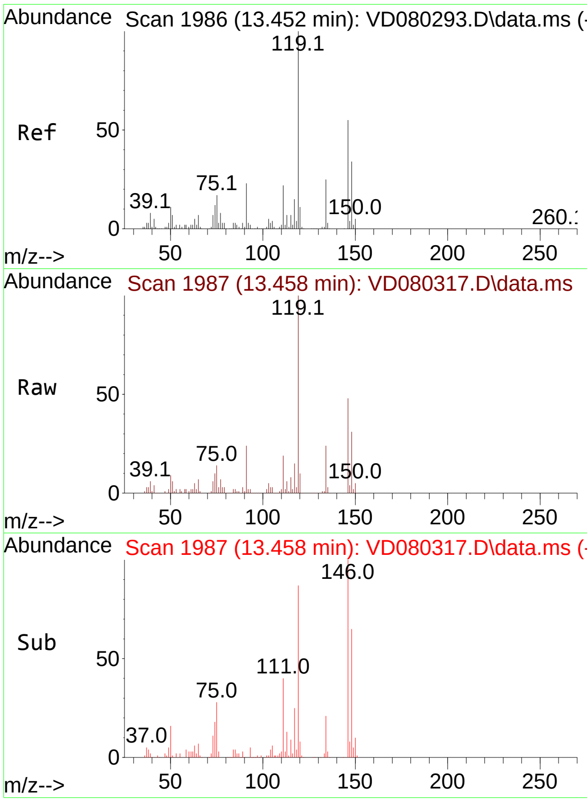
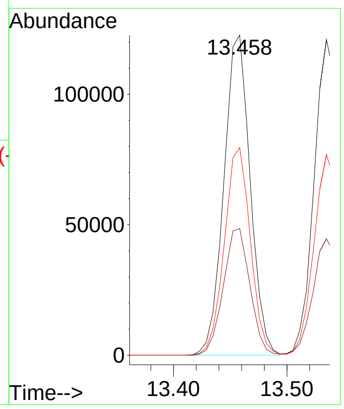
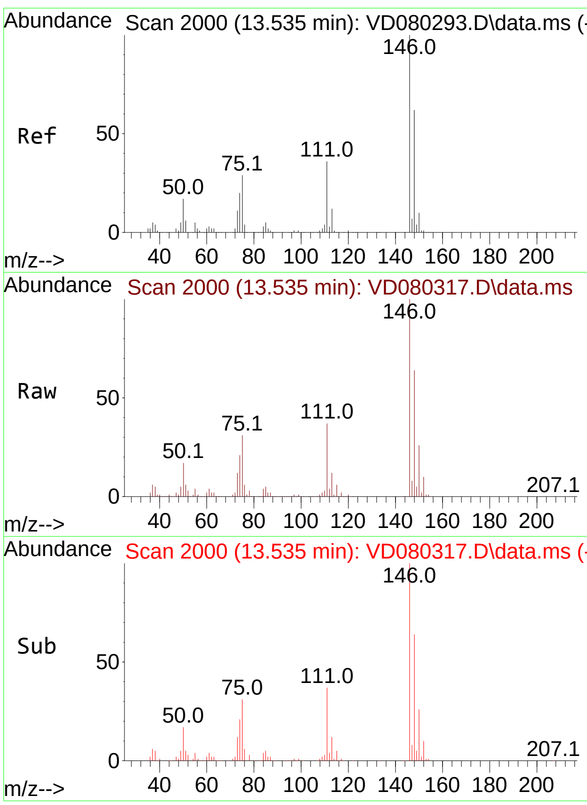



```
#87
1,3-Dichlorobenzene
Concen:   56.630 ug/l
RT:  13.458 min  Scan# 1
Delta R.T.  0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

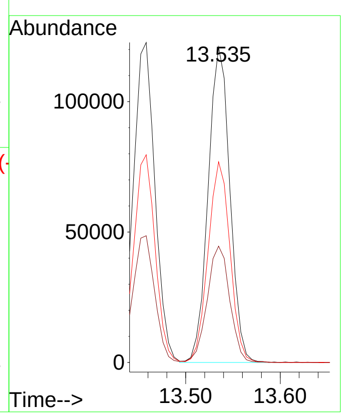
Tgt Ion:146 Resp:  19793
Ion  Ratio  Lower  Upper
146  100
111   39.9   20.0   59.9
148   64.3   31.9   95.7
```






```
#88
1,4-Dichlorobenzene
Concen:   54.780 ug/l
RT:  13.535 min  Scan# 2000
Delta R.T.  0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

Tgt Ion:146 Resp:  193018
Ion  Ratio  Lower  Upper
146  100
111   38.3   19.3   57.8
148   64.2   32.9   98.7
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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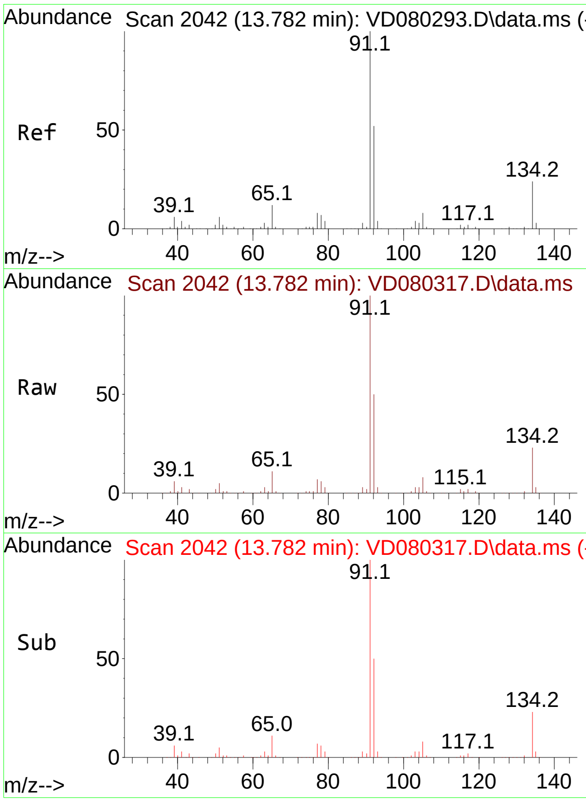
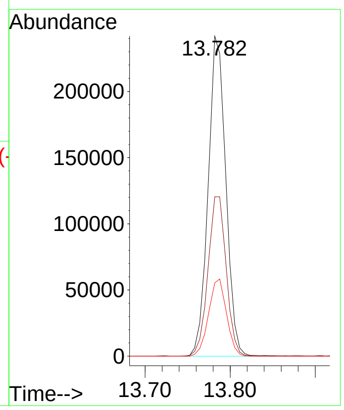
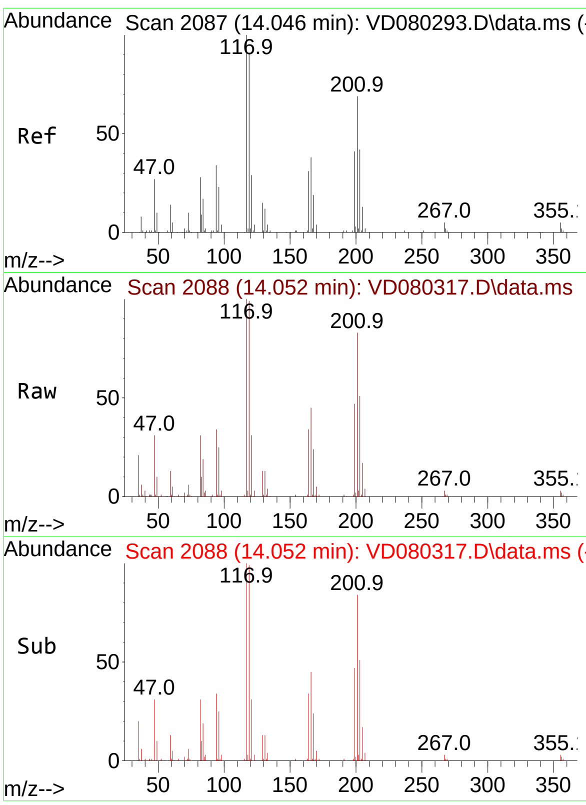
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#89
n-Butylbenzene
Concen:   60.346 ug/l
RT:  13.782 min  Scan# 2
Delta R.T.   -0.005 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

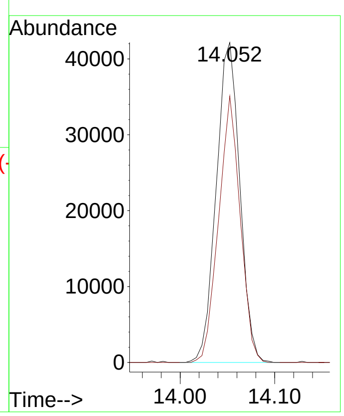
Tgt Ion: 91 Resp:  34914
Ion  Ratio  Lower  Upper
 91  100
 92   51.4   26.3   78.9
134   24.5   12.3   36.8
```






```
#90
Hexachloroethane
Concen:   55.413 ug/l
RT:  14.052 min  Scan# 2088
Delta R.T.   0.001 min
Lab File:   VD080317.D
Acq: 14 May 2025  12:25

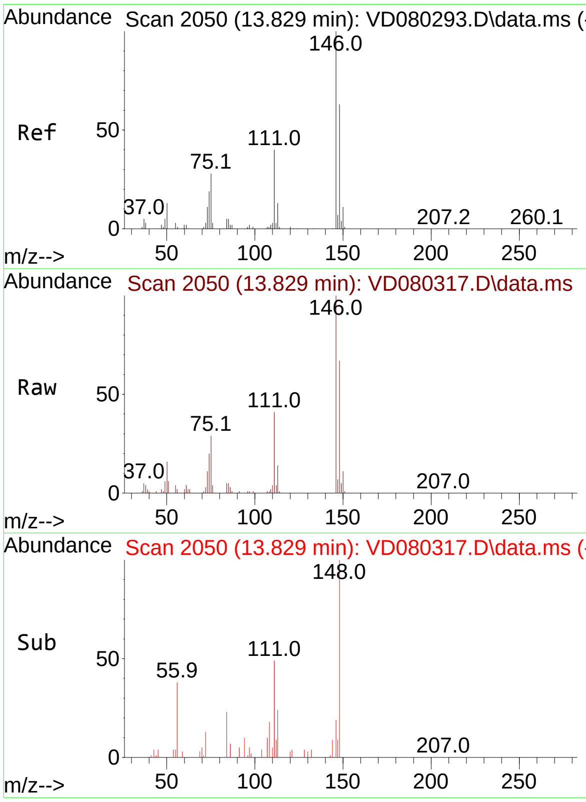
Tgt Ion:117 Resp:   73074
Ion  Ratio  Lower  Upper
117  100
201   76.4   37.5  112.5
```



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

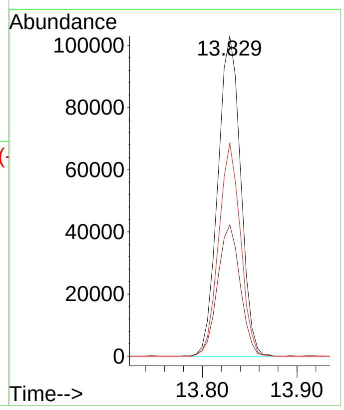
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

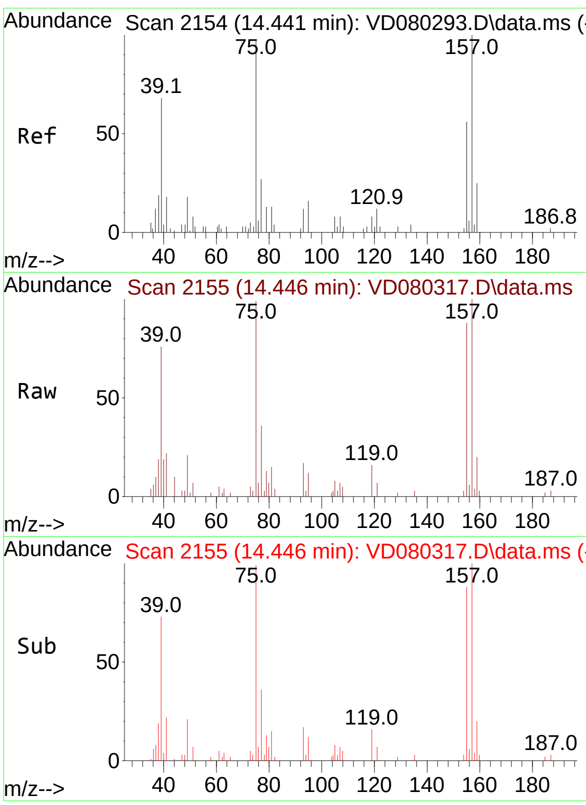


#91
1,2-Dichlorobenzene
Concen: 56.816 ug/l
RT: 13.829 min Scan# 2(
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:146 Resp: 17250

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.8
148	63.7	32.7	98.1

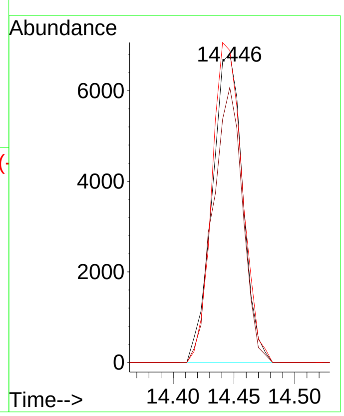


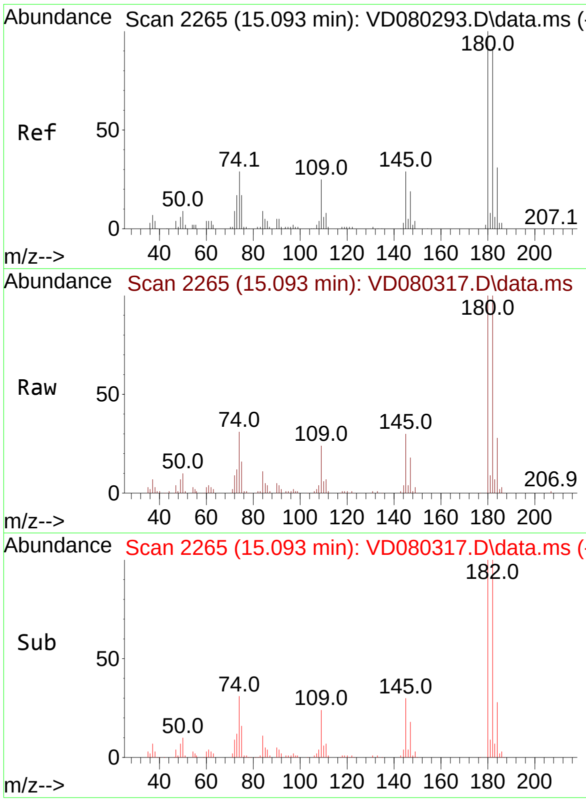


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.670 ug/l
RT: 14.446 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion: 75 Resp: 11927

Ion	Ratio	Lower	Upper
75	100		
155	86.7	40.6	122.0
157	102.7	53.3	159.9

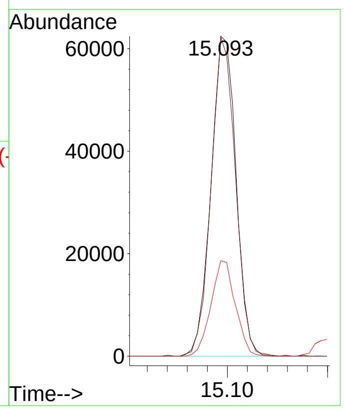




#93
1,2,4-Trichlorobenzene
Concen: 56.881 ug/l
RT: 15.093 min Scan# 2
Delta R.T. -0.005 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:180 Resp: 10860

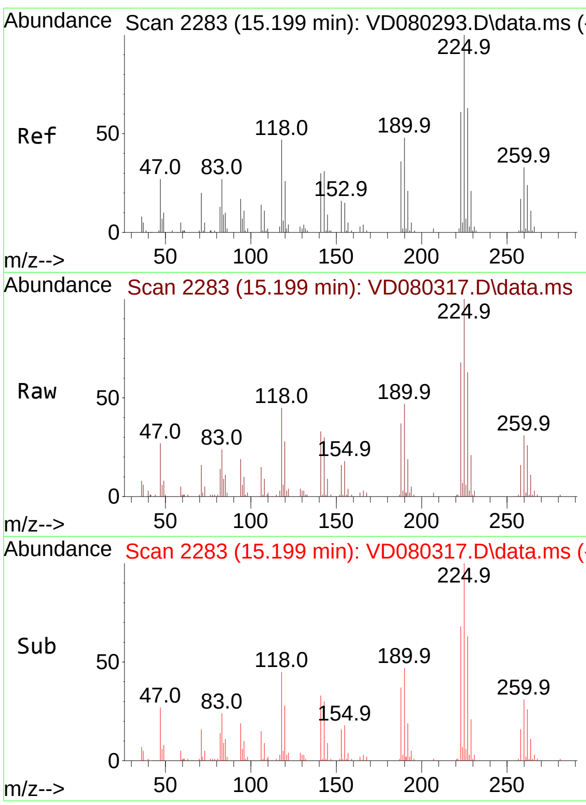
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.2
145	29.0	14.7	44.1



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

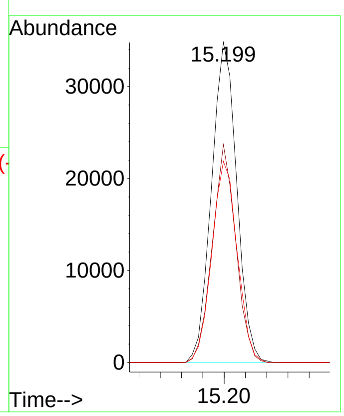
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

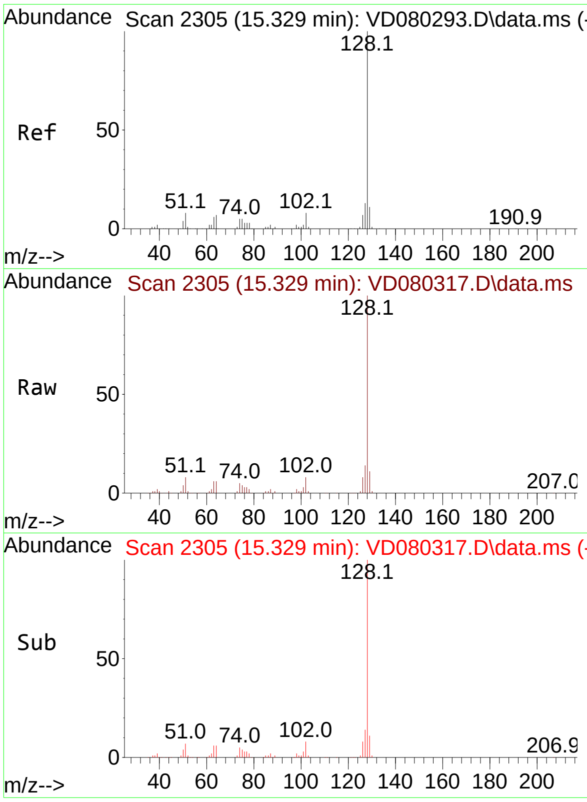


#94
Hexachlorobutadiene
Concen: 57.730 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:225 Resp: 57347

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.5	94.5
227	63.1	30.9	92.5





#95
Naphthalene
Concen: 55.182 ug/l
RT: 15.329 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:128 Resp: 19784

Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.8	17.8
129	10.8	8.3	12.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
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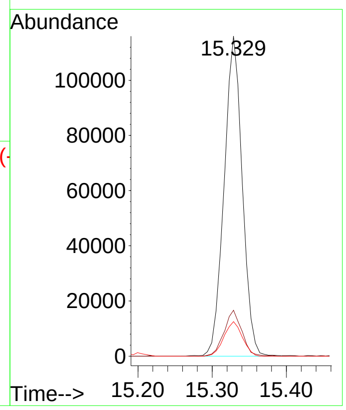
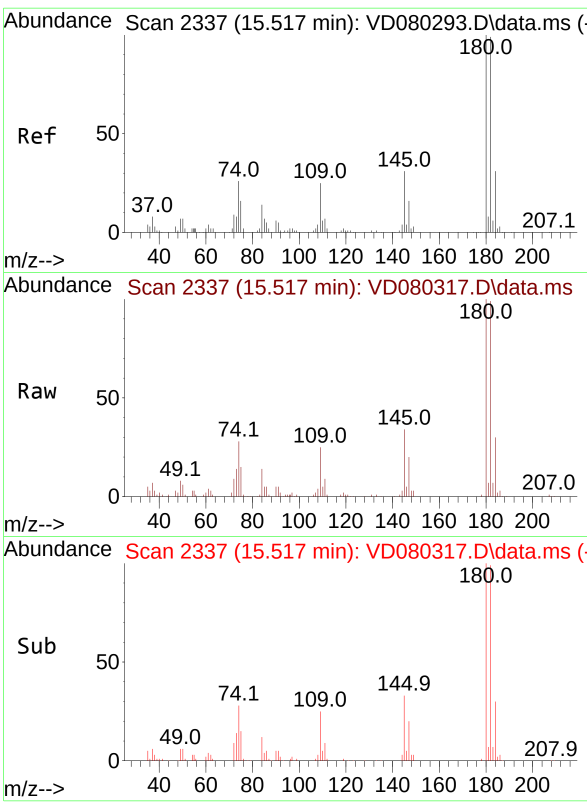
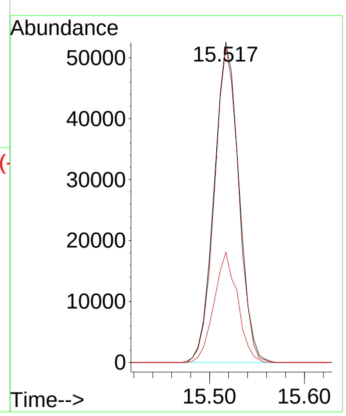




#96
1,2,3-Trichlorobenzene
Concen: 55.967 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. 0.001 min
Lab File: VD080317.D
Acq: 14 May 2025 12:25

Tgt Ion:180 Resp: 95576

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	32.7	15.7	47.0



Sample Results: **VD080317.D**

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.543	0.436	19.7	107	0.00
3	P	Chloromethane	1.039	0.814	21.7	96	0.00
4	C	Vinyl Chloride	1.300	1.137	12.5#	101	0.00
5	T	Bromomethane	0.936	0.779	16.8	101	0.00
6	T	Chloroethane	0.919	0.846	7.9	103	0.00
7	T	Trichlorofluoromethane	0.997	1.006	-0.9	113	0.00
8	T	Diethyl Ether	0.308	0.297	3.6	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.614	0.0	111	-0.01
10	T	Methyl Iodide	0.626	0.682	-8.9	109	0.00
11	T	Tert butyl alcohol	0.039	0.035	10.3	95	0.01
12	CM	1,1-Dichloroethene	0.605	0.601	0.7#	111	0.00
13	T	Acrolein	0.069	0.024	65.2#	36#	0.00
14	T	Allyl chloride	0.952	0.911	4.3	102	-0.01
15	T	Acrylonitrile	0.148	0.142	4.1	103	0.00
16	T	Acetone	0.119	0.127	-6.7	124	0.00
17	T	Carbon Disulfide	2.102	1.931	8.1	105	0.00
18	T	Methyl Acetate	0.418	0.354	15.3	96	0.00
19	T	Methyl tert-butyl Ether	1.330	1.424	-7.1	108	0.00
20	T	Methylene Chloride	0.825	0.727	11.9	105	0.00
21	T	trans-1,2-Dichloroethene	0.658	0.677	-2.9	110	0.00
22	T	Diisopropyl ether	1.961	2.025	-3.3	103	0.00
23	T	Vinyl Acetate	1.142	1.183	-3.6	101	0.00
24	P	1,1-Dichloroethane	1.234	1.235	-0.1	106	0.00
25	T	2-Butanone	0.178	0.179	-0.6	102	0.00
26	T	2,2-Dichloropropane	0.982	1.053	-7.2	113	0.00
27	T	cis-1,2-Dichloroethene	0.729	0.772	-5.9	111	0.00
28	T	Bromochloromethane	0.575	0.481	16.3	85	0.00
29	T	Tetrahydrofuran	0.116	0.114	1.7	98	0.00
30	C	Chloroform	1.231	1.284	-4.3#	110	0.00
31	T	Cyclohexane	1.050	1.017	3.1	105	0.00
32	T	1,1,1-Trichloroethane	1.004	1.082	-7.8	114	0.00
33	S	1,2-Dichloroethane-d4	0.647	0.574	11.3	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.335	0.347	-3.6	94	0.00
36	T	1,1-Dichloropropene	0.501	0.580	-15.8	111	0.00
37	T	Ethyl Acetate	0.262	0.270	-3.1	101	0.00
38	T	Carbon Tetrachloride	0.522	0.606	-16.1	112	0.00
39	T	Methylcyclohexane	0.581	0.680	-17.0	114	0.00
40	TM	Benzene	1.569	1.746	-11.3	108	0.00
41	T	Methacrylonitrile	0.145	0.139	4.1	98	0.00
42	TM	1,2-Dichloroethane	0.455	0.494	-8.6	106	0.00
43	T	Isopropyl Acetate	0.475	0.490	-3.2	97	0.00
44	TM	Trichloroethene	0.364	0.417	-14.6	114	0.00
45	C	1,2-Dichloropropane	0.402	0.459	-14.2#	108	0.00
46	T	Dibromomethane	0.219	0.252	-15.1	110	0.00
47	T	Bromodichloromethane	0.556	0.625	-12.4	108	0.00
48	T	Methyl methacrylate	0.226	0.248	-9.7	102	0.00

Sample Results: **VD080317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.003	0.003	0.0	104	0.00
50	S	Toluene-d8	1.320	1.360	-3.0	93	0.00
51	T	4-Methyl-2-Pentanone	0.245	0.267	-9.0	98	0.00
52	CM	Toluene	0.945	1.116	-18.1#	110	0.00
53	T	t-1,3-Dichloropropene	0.507	0.565	-11.4	105	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.678	-15.3	108	0.00
55	T	1,1,2-Trichloroethane	0.290	0.333	-14.8	106	0.00
56	T	Ethyl methacrylate	0.351	0.409	-16.5	102	0.00
57	T	1,3-Dichloropropane	0.482	0.559	-16.0	110	0.00
58	T	2-Chloroethyl Vinyl ether	0.144	0.149	-3.5	87	0.00
59	T	2-Hexanone	0.168	0.190	-13.1	101	0.00
60	T	Dibromochloromethane	0.363	0.436	-20.1	112	0.00
61	T	1,2-Dibromoethane	0.269	0.309	-14.9	112	0.00
62	S	4-Bromofluorobenzene	0.424	0.439	-3.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.339	0.392	-15.6	115	0.00
65	PM	Chlorobenzene	1.129	1.250	-10.7	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.440	-13.4	107	0.00
67	C	Ethyl Benzene	1.887	2.227	-18.0#	111	0.00
68	T	m/p-Xylenes	0.733	0.893	-21.8	112	0.00
69	T	o-Xylene	0.669	0.794	-18.7	111	0.00
70	T	Styrene	1.202	1.446	-20.3	110	0.00
71	P	Bromoform	0.230	0.268	-16.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.243	3.804	-17.3	112	0.00
74	T	N-amyl acetate	0.931	0.961	-3.2	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.713	0.750	-5.2	108	0.00
76	T	1,2,3-Trichloropropane	0.483	0.454	6.0	88	0.00
77	T	Bromobenzene	0.841	0.952	-13.2	110	0.00
78	T	n-propylbenzene	4.070	4.922	-20.9	113	0.00
79	T	2-Chlorotoluene	2.368	2.735	-15.5	111	0.00
80	T	1,3,5-Trimethylbenzene	2.766	3.312	-19.7	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.254	0.284	-11.8	107	0.00
82	T	4-Chlorotoluene	2.556	2.928	-14.6	112	0.00
83	T	tert-Butylbenzene	2.308	2.760	-19.6	114	0.00
84	T	1,2,4-Trimethylbenzene	2.830	3.425	-21.0	112	0.00
85	T	sec-Butylbenzene	3.560	4.290	-20.5	113	0.00
86	T	p-Isopropyltoluene	2.992	3.716	-24.2	115	0.00
87	T	1,3-Dichlorobenzene	1.755	1.987	-13.2	112	0.00
88	T	1,4-Dichlorobenzene	1.769	1.938	-9.6	110	0.00
89	T	n-Butylbenzene	2.904	3.505	-20.7	114	0.00
90	T	Hexachloroethane	0.662	0.734	-10.9	110	0.00
91	T	1,2-Dichlorobenzene	1.524	1.732	-13.6	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.114	0.120	-5.3	105	0.00
93	T	1,2,4-Trichlorobenzene	0.959	1.090	-13.7	111	0.00
94	T	Hexachlorobutadiene	0.499	0.576	-15.4	115	0.00
95	T	Naphthalene	1.800	1.986	-10.3	110	0.00

Sample Results: **VD080317.D**

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On    : 14 May 2025  12:25
Operator  : RP/MD
Sample    : VSTDCCC050
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration


Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96	T	1,2,3-Trichlorobenzene	0.857	0.960	-12.0	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VD080317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	49.582	0.8	107	0.00
3	P	Chloromethane	50.000	47.083	5.8	96	0.00
4	C	Vinyl Chloride	50.000	43.724	12.6#	101	0.00
5	T	Bromomethane	50.000	41.638	16.7	101	0.00
6	T	Chloroethane	50.000	46.041	7.9	103	0.00
7	T	Trichlorofluoromethane	50.000	50.483	-1.0	113	0.00
8	T	Diethyl Ether	50.000	48.260	3.5	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.029	-0.1	111	-0.01
10	T	Methyl Iodide	50.000	54.490	-9.0	109	0.00
11	T	Tert butyl alcohol	250.000	220.008	12.0	95	0.01
12	CM	1,1-Dichloroethene	50.000	49.635	0.7#	111	0.00
13	T	Acrolein	250.000	86.829	65.3#	36	0.00
14	T	Allyl chloride	50.000	47.831	4.3	102	-0.01
15	T	Acrylonitrile	250.000	239.638	4.1	103	0.00
16	T	Acetone	250.000	322.964	-29.2#	124	0.00
17	T	Carbon Disulfide	50.000	45.930	8.1	105	0.00
18	T	Methyl Acetate	50.000	42.351	15.3	96	0.00
19	T	Methyl tert-butyl Ether	50.000	53.518	-7.0	108	0.00
20	T	Methylene Chloride	50.000	52.874	-5.7	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.469	-2.9	110	0.00
22	T	Diisopropyl ether	50.000	51.615	-3.2	103	0.00
23	T	Vinyl Acetate	250.000	258.895	-3.6	101	0.00
24	P	1,1-Dichloroethane	50.000	50.017	-0.0	106	0.00
25	T	2-Butanone	250.000	251.047	-0.4	102	0.00
26	T	2,2-Dichloropropane	50.000	53.628	-7.3	113	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.005	-6.0	111	0.00
28	T	Bromochloromethane	50.000	41.811	16.4	85	0.00
29	T	Tetrahydrofuran	250.000	246.707	1.3	98	0.00
30	C	Chloroform	50.000	52.154	-4.3#	110	0.00
31	T	Cyclohexane	50.000	48.400	3.2	105	0.00
32	T	1,1,1-Trichloroethane	50.000	53.896	-7.8	114	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.423	11.2	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	51.847	-3.7	94	0.00
36	T	1,1-Dichloropropene	50.000	57.917	-15.8	111	0.00
37	T	Ethyl Acetate	50.000	51.620	-3.2	101	0.00
38	T	Carbon Tetrachloride	50.000	57.966	-15.9	112	0.00
39	T	Methylcyclohexane	50.000	58.521	-17.0	114	0.00
40	TM	Benzene	50.000	55.621	-11.2	108	0.00
41	T	Methacrylonitrile	50.000	47.959	4.1	98	0.00
42	TM	1,2-Dichloroethane	50.000	54.285	-8.6	106	0.00
43	T	Isopropyl Acetate	50.000	51.594	-3.2	97	0.00
44	TM	Trichloroethene	50.000	57.288	-14.6	114	0.00
45	C	1,2-Dichloropropane	50.000	57.016	-14.0#	108	0.00
46	T	Dibromomethane	50.000	57.598	-15.2	110	0.00
47	T	Bromodichloromethane	50.000	56.179	-12.4	108	0.00
48	T	Methyl methacrylate	50.000	55.050	-10.1	102	0.00

Sample Results: **VD080317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1109.933	-11.0	104	0.00
50	S	Toluene-d8	50.000	51.495	-3.0	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	273.148	-9.3	98	0.00
52	CM	Toluene	50.000	59.003	-18.0#	110	0.00
53	T	t-1,3-Dichloropropene	50.000	55.672	-11.3	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.720	-15.4	108	0.00
55	T	1,1,2-Trichloroethane	50.000	57.398	-14.8	106	0.00
56	T	Ethyl methacrylate	50.000	58.259	-16.5	102	0.00
57	T	1,3-Dichloropropane	50.000	57.994	-16.0	110	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.709	-3.5	87	0.00
59	T	2-Hexanone	250.000	282.846	-13.1	101	0.00
60	T	Dibromochloromethane	50.000	59.995	-20.0	112	0.00
61	T	1,2-Dibromoethane	50.000	57.549	-15.1	112	0.00
62	S	4-Bromofluorobenzene	50.000	51.843	-3.7	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	57.917	-15.8	115	0.00
65	PM	Chlorobenzene	50.000	55.357	-10.7	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.704	-13.4	107	0.00
67	C	Ethyl Benzene	50.000	59.028	-18.1#	111	0.00
68	T	m/p-Xylenes	100.000	121.965	-22.0	112	0.00
69	T	o-Xylene	50.000	59.279	-18.6	111	0.00
70	T	Styrene	50.000	60.144	-20.3	110	0.00
71	P	Bromoform	50.000	58.163	-16.3	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	58.646	-17.3	112	0.00
74	T	N-amyl acetate	50.000	51.600	-3.2	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.586	-5.2	108	0.00
76	T	1,2,3-Trichloropropane	50.000	47.066	5.9	88	0.00
77	T	Bromobenzene	50.000	56.606	-13.2	110	0.00
78	T	n-propylbenzene	50.000	60.467	-20.9	113	0.00
79	T	2-Chlorotoluene	50.000	57.750	-15.5	111	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.869	-19.7	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.808	-11.6	107	0.00
82	T	4-Chlorotoluene	50.000	57.292	-14.6	112	0.00
83	T	tert-Butylbenzene	50.000	59.774	-19.5	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	60.503	-21.0	112	0.00
85	T	sec-Butylbenzene	50.000	60.255	-20.5	113	0.00
86	T	p-Isopropyltoluene	50.000	62.104	-24.2	115	0.00
87	T	1,3-Dichlorobenzene	50.000	56.630	-13.3	112	0.00
88	T	1,4-Dichlorobenzene	50.000	54.780	-9.6	110	0.00
89	T	n-Butylbenzene	50.000	60.346	-20.7	114	0.00
90	T	Hexachloroethane	50.000	55.413	-10.8	110	0.00
91	T	1,2-Dichlorobenzene	50.000	56.816	-13.6	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.670	-5.3	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.881	-13.8	111	0.00
94	T	Hexachlorobutadiene	50.000	57.730	-15.5	115	0.00
95	T	Naphthalene	50.000	55.182	-10.4	110	0.00

Sample Results: **VD080317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.967	-11.9	109	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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.521		-0.19	20
Chloromethane	1.097	1.067	0.1	-2.73	20
Vinyl Chloride	1.226	1.343		9.54	20
Bromomethane	0.998	1.071		7.32	20
Chloroethane	0.763	0.887		16.25	20
Trichlorofluoromethane	1.241	1.308		5.4	20
1,1,2-Trichlorotrifluoroethane	0.539	0.569		5.57	20
1,1-Dichloroethene	0.535	0.570		6.54	20
Acetone	0.102	0.103		0.98	20
Carbon Disulfide	1.744	1.850		6.08	20
Methyl tert-butyl Ether	1.475	1.543		4.61	20
Methyl Acetate	0.323	0.324		0.31	20
Methylene Chloride	0.662	0.631		-4.68	20
trans-1,2-Dichloroethene	0.590	0.626		6.1	20
1,1-Dichloroethane	1.106	1.172	0.1	5.97	20
Cyclohexane	1.105	1.093		-1.09	20
2-Butanone	0.171	0.166		-2.92	20
Carbon Tetrachloride	0.509	0.537		5.5	20
cis-1,2-Dichloroethene	0.681	0.737		8.22	20
Bromochloromethane	0.472	0.487		3.18	20
Chloroform	1.061	1.161		9.43	20
1,1,1-Trichloroethane	0.974	1.038		6.57	20
Methylcyclohexane	0.660	0.680		3.03	20
Benzene	1.457	1.567		7.55	20
1,2-Dichloroethane	0.394	0.417		5.84	20
Trichloroethene	0.362	0.381		5.25	20
1,2-Dichloropropane	0.351	0.371		5.7	20
Bromodichloromethane	0.492	0.533		8.33	20
4-Methyl-2-Pentanone	0.253	0.250		-1.19	20
Toluene	0.923	0.982		6.39	20
t-1,3-Dichloropropene	0.480	0.500		4.17	20
cis-1,3-Dichloropropene	0.550	0.587		6.73	20
1,1,2-Trichloroethane	0.243	0.254		4.53	20
2-Hexanone	0.170	0.165		-2.94	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.226	0.238		5.31	20
Tetrachloroethene	0.462	0.477		3.25	20
Chlorobenzene	1.128	1.200	0.3	6.38	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022277.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.113	2.235		5.77	20
m/p-Xylenes	0.796	0.848		6.53	20
o-Xylene	0.753	0.804		6.77	20
Styrene	1.270	1.355		6.69	20
Bromoform	0.209	0.214	0.1	2.39	20
Isopropylbenzene	4.142	4.419		6.69	20
1,1,2,2-Tetrachloroethane	0.637	0.651	0.3	2.2	20
1,3-Dichlorobenzene	1.806	1.921		6.37	20
1,4-Dichlorobenzene	1.737	1.826		5.12	20
1,2-Dichlorobenzene	1.517	1.596		5.21	20
1,2-Dibromo-3-Chloropropane	0.103	0.104		0.97	20
1,2,4-Trichlorobenzene	0.876	0.929		6.05	20
1,2,3-Trichlorobenzene	0.743	0.768		3.37	20
1,2-Dichloroethane-d4	0.546	0.552		1.1	20
Dibromofluoromethane	0.298	0.308		3.36	20
Toluene-d8	1.222	1.265		3.52	20
4-Bromofluorobenzene	0.387	0.388		0.26	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On    : 16 May 2025  08:24
Operator  : SY/MD
Sample    : VSTDCCC050
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

```
       Compound                   R.T. QIon  Response  Conc Units Dev(Min)
--------------------------------------------------------------------------
Internal Standards
  1) Pentafluorobenzene          7.707  168   212993    50.000 ug/l     0.00
 34) 1,4-Difluorobenzene         8.615  114   356583    50.000 ug/l     0.00
 63) Chlorobenzene-d5           11.420  117   305829    50.000 ug/l     0.00
 72) 1,4-Dichlorobenzene-d4     13.346  152   144477    50.000 ug/l     0.00

System Monitoring Compounds
 33) 1,2-Dichloroethane-d4       8.061   65   117567    50.505 ug/l    0.00
  Spiked Amount     50.000    Range  50 - 163    Recovery    =  101.020%
 35) Dibromofluoromethane        7.634  113   109661    51.525 ug/l    0.00
  Spiked Amount     50.000    Range  54 - 147    Recovery    =  103.060%
 50) Toluene-d8                 10.109   98   450916    51.731 ug/l    0.00
  Spiked Amount     50.000    Range  58 - 134    Recovery    =  103.460%
 62) 4-Bromofluorobenzene       12.407   95   138475    50.120 ug/l    0.00
  Spiked Amount     50.000    Range  30 - 143    Recovery    =  100.240%

Target Compounds                                                   Qvalue
  2) Dichlorodifluoromethane     1.867   85   110954    49.923 ug/l      99
  3) Chloromethane               2.068   50   227201    48.598 ug/l      99
  4) Vinyl Chloride              2.202   62   286097    54.773 ug/l      96
  5) Bromomethane                2.598   94   228058    53.635 ug/l      99
  6) Chloroethane                2.738   64   188872    58.123 ug/l      95
  7) Trichlorofluoromethane      3.055  101   278547    52.672 ug/l     100
  8) Diethyl Ether               3.452   74    65966    51.977 ug/l      97
  9) 1,1,2-Trichlorotrifluo...   3.811  101   121276    52.824 ug/l     100
 10) Methyl Iodide               4.007  142   149113    56.117 ug/l      99
 11) Tert butyl alcohol          4.872   59    42970   241.730 ug/l #   100
 12) 1,1-Dichloroethene          3.793   96   121321    53.251 ug/l      99
 13) Acrolein                    3.653   56    53247   204.899 ug/l      99
 14) Allyl chloride              4.384   41   204941    51.302 ug/l      96
 15) Acrylonitrile               5.061   53   135814   259.711 ug/l      98
 16) Acetone                     3.872   43   109507   250.886 ug/l     100
 17) Carbon Disulfide            4.104   76   394070    53.042 ug/l      99
 18) Methyl Acetate              4.384   43    69106    50.215 ug/l      97
 19) Methyl tert-butyl Ether     5.116   73   328680    52.321 ug/l      97
 20) Methylene Chloride          4.616   84   134377    47.645 ug/l      94
 21) trans-1,2-Dichloroethene    5.116   96   133277    52.998 ug/l      98
 22) Diisopropyl ether           6.018   45   437077    51.810 ug/l     100
 23) Vinyl Acetate               5.957   43  1279898   251.128 ug/l     100
 24) 1,1-Dichloroethane          5.915   63   249652    52.970 ug/l      99
 25) 2-Butanone                  6.896   43   177141   242.624 ug/l     100
 26) 2,2-Dichloropropane         6.884   77   227980    54.384 ug/l      99
 27) cis-1,2-Dichloroethene      6.890   96   156977    54.093 ug/l      99
 28) Bromochloromethane          7.244   49   103785    51.625 ug/l      99
 29) Tetrahydrofuran             7.262   42   115748   246.422 ug/l      96
 30) Chloroform                  7.421   83   247345    54.713 ug/l      94
 31) Cyclohexane                 7.701   56   232896    49.457 ug/l      98
 32) 1,1,1-Trichloroethane       7.616   97   221082    53.304 ug/l      99
 36) 1,1-Dichloropropene         7.835   75   183482    52.341 ug/l      98
 37) Ethyl Acetate               6.982   43    82168    48.715 ug/l      98
 38) Carbon Tetrachloride        7.817  117   191365    52.737 ug/l      97
 39) Methylcyclohexane           9.109   83   242532    51.496 ug/l     100
 40) Benzene                     8.079   78   558801    53.771 ug/l     100
```

Sample Results: **VY022277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	50033	44.718 ug/l #	91
42) 1,2-Dichloroethane	8.158	62	148582	52.870 ug/l	100
43) Isopropyl Acetate	8.195	43	182651	49.654 ug/l #	88
44) Trichloroethene	8.865	130	135760	52.539 ug/l	98
45) 1,2-Dichloropropane	9.140	63	132126	52.735 ug/l	97
46) Dibromomethane	9.231	93	70093	51.869 ug/l	99
47) Bromodichloromethane	9.426	83	189903	54.169 ug/l	98
48) Methyl methacrylate	9.219	41	85212	49.534 ug/l	98
49) 1,4-Dioxane	9.231	88	15293	1001.752 ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	446509	247.383 ug/l	98
52) Toluene	10.170	92	350043	53.192 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	178121	52.062 ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	209477	53.441 ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	90613	52.364 ug/l	96
56) Ethyl methacrylate	10.438	69	136463	50.626 ug/l	98
57) 1,3-Dichloropropane	10.719	76	161520	52.534 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	319368	263.967 ug/l	99
59) 2-Hexanone	10.761	43	294366	243.243 ug/l	98
60) Dibromochloromethane	10.914	129	120550	53.672 ug/l	99
61) 1,2-Dibromoethane	11.017	107	84972	52.685 ug/l	99
64) Tetrachloroethene	10.646	164	145990	51.645 ug/l	97
65) Chlorobenzene	11.444	112	367007	53.191 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	125569	52.937 ug/l	100
67) Ethyl Benzene	11.517	91	683403	52.887 ug/l	99
68) m/p-Xylenes	11.627	106	518397	106.465 ug/l	100
69) o-Xylene	11.956	106	246010	53.401 ug/l	98
70) Styrene	11.968	104	414482	53.337 ug/l	99
71) Bromoform	12.133	173	65518	51.173 ug/l #	98
73) Isopropylbenzene	12.255	105	638419	53.338 ug/l	100
74) N-amyl acetate	12.072	43	170468	49.797 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93984	51.057 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	78033m	53.312 ug/l	
77) Bromobenzene	12.535	156	134547	52.632 ug/l	99
78) n-propylbenzene	12.596	91	773886	53.604 ug/l	100
79) 2-Chlorotoluene	12.682	91	422629	53.269 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	512810	53.075 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34394	47.601 ug/l	97
82) 4-Chlorotoluene	12.779	91	434539	53.249 ug/l	100
83) tert-Butylbenzene	12.999	119	453991	52.865 ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	515364	53.733 ug/l	100
85) sec-Butylbenzene	13.176	105	682585	53.545 ug/l	100
86) p-Isopropyltoluene	13.291	119	573661	53.506 ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	277562	53.186 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	263812	52.554 ug/l	99
89) n-Butylbenzene	13.621	91	551378	54.360 ug/l	100
90) Hexachloroethane	13.883	117	115221	53.238 ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	230646	52.616 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15069	50.767 ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	134157	52.983 ug/l	99
94) Hexachlorobutadiene	15.023	225	74411	52.696 ug/l	100
95) Naphthalene	15.145	128	243439	50.663 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	111008	51.679 ug/l	99

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On    : 16 May 2025  08:24
Operator  : SY/MD
Sample    : VSTDCCC050
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VY022277.D**

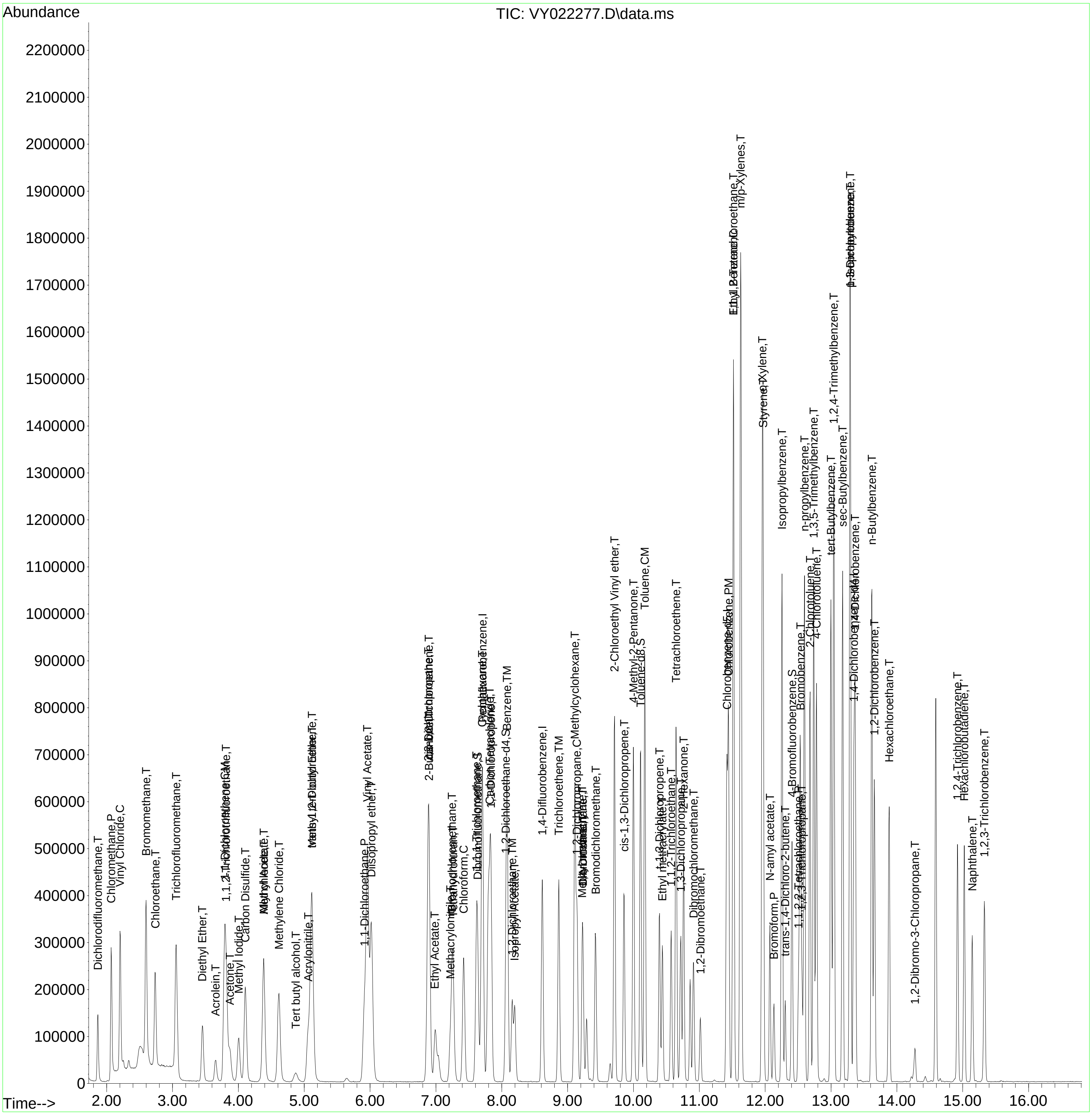
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

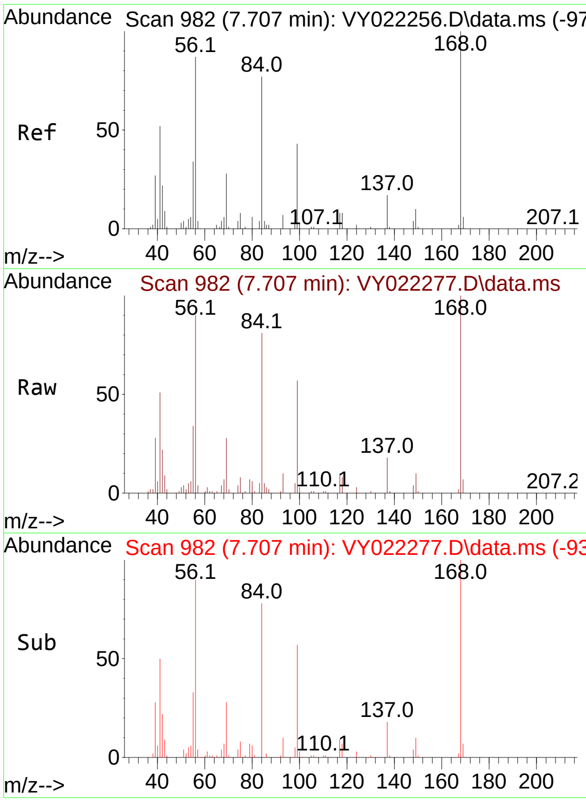


Sample Results: **VY022277.D**

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

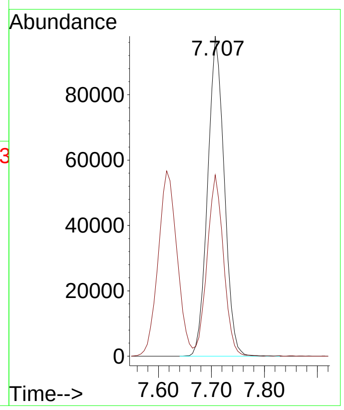
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

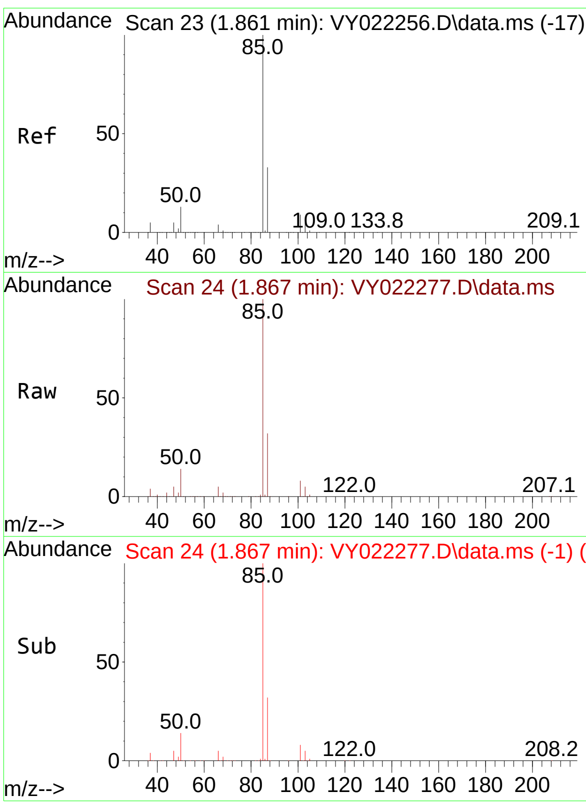


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:168 Resp: 21299

Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.2	66.4

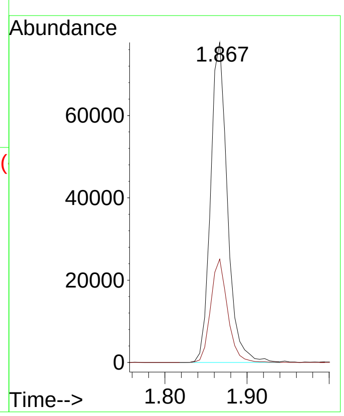




#2
Dichlorodifluoromethane
Concen: 49.923 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 85 Resp: 110954

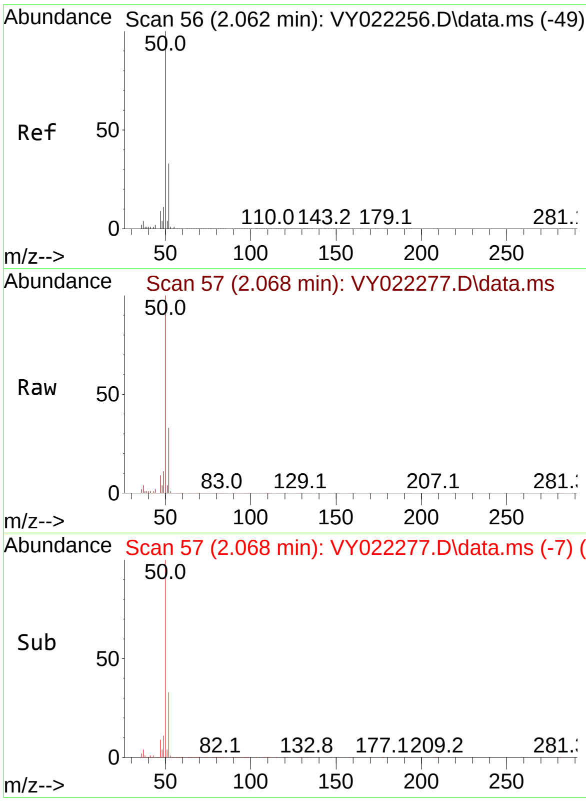
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.5	49.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

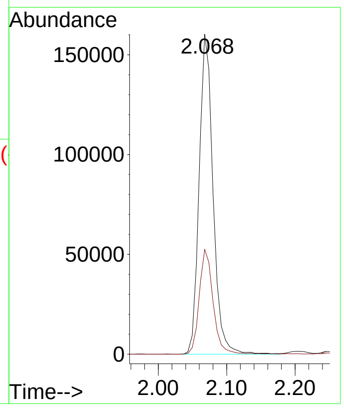
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

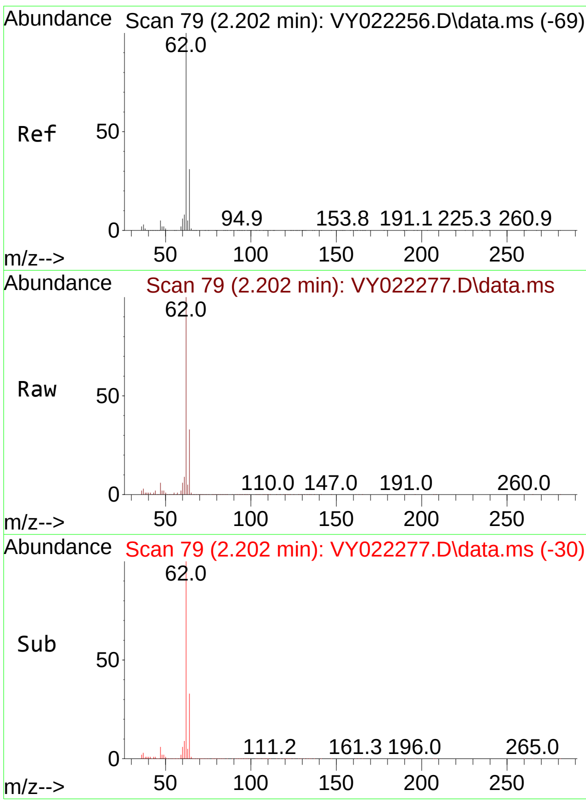


#3
Chloromethane
Concen: 48.598 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 50 Resp: 22720

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7

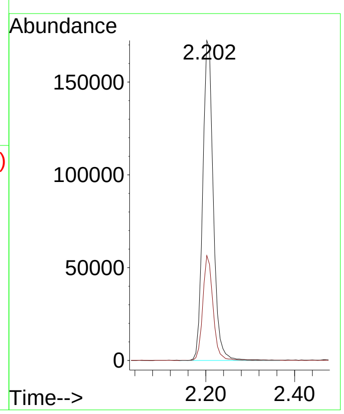




#4
Vinyl Chloride
Concen: 54.773 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 62 Resp: 286097

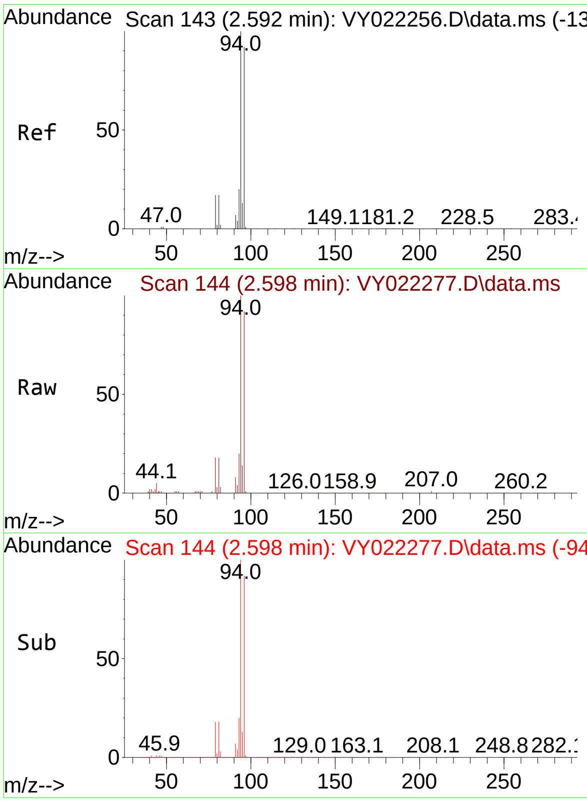
Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

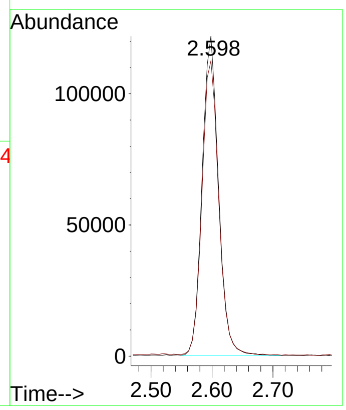
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

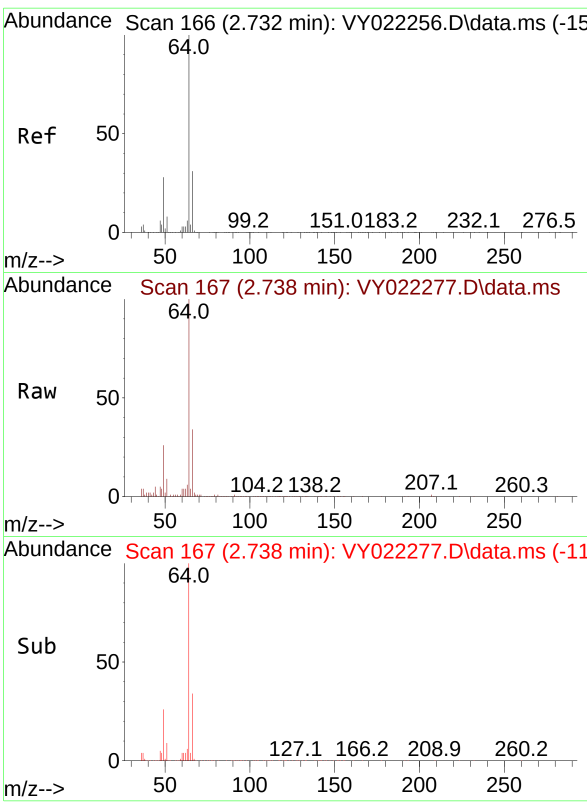


#5
Bromomethane
Concen: 53.635 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 94 Resp: 22805

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.4	110.0

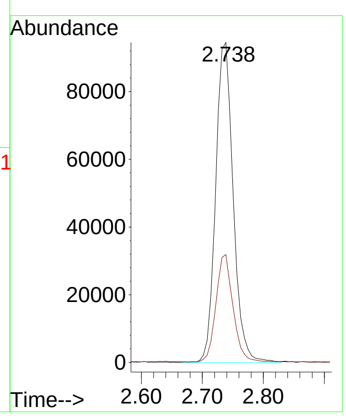




#6
Chloroethane
Concen: 58.123 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 64 Resp: 188872

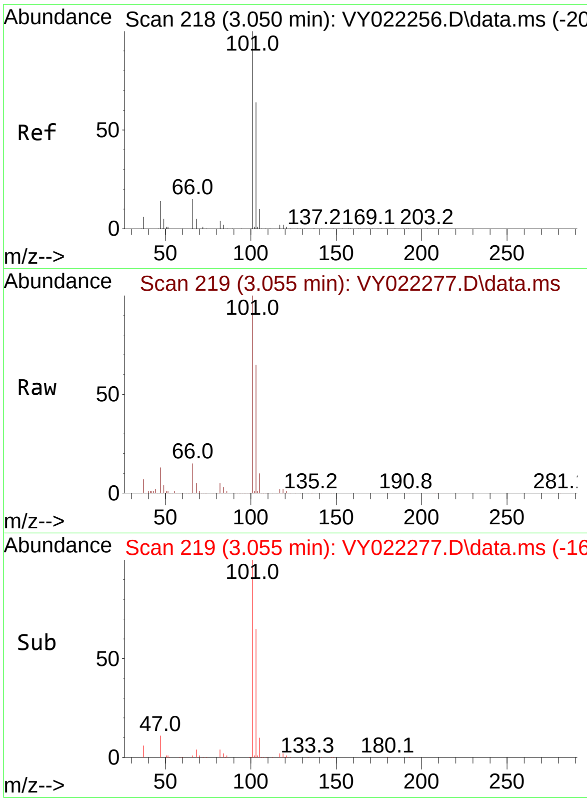
Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.8	37.2



Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050

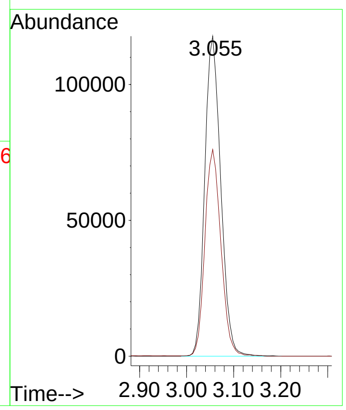
Manual Integrations APPROVED

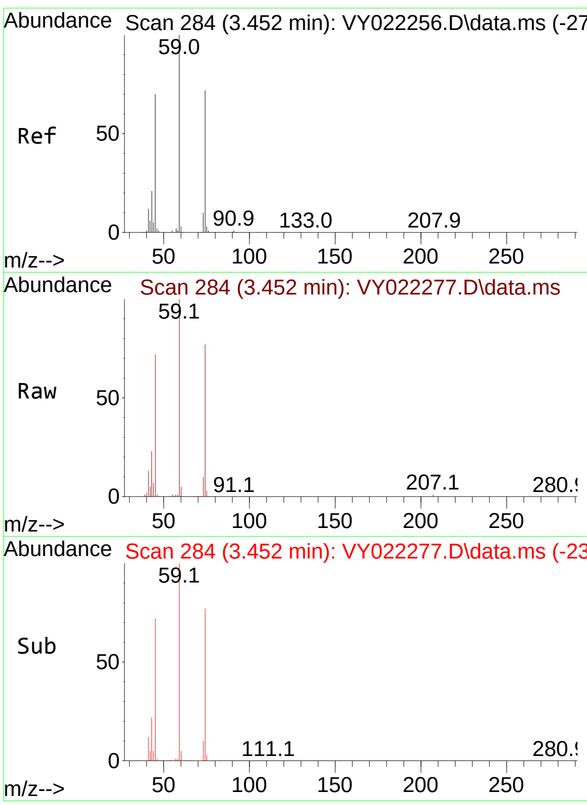
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#7
Trichlorofluoromethane
Concen:   52.672 ug/l
RT:   3.055 min  Scan# 2
Delta R.T.  0.006 min
Lab File:   VY022277.D
Acq: 16 May 2025  08:24

Tgt Ion:101 Resp:  27854
Ion  Ratio  Lower  Upper
101  100
103   64.6   51.7   77.5
```






```
#8
Diethyl Ether
Concen:   51.977 ug/l
RT:   3.452 min  Scan# 284
Delta R.T.  -0.000 min
Lab File:   VY022277.D
Acq: 16 May 2025  08:24

Tgt Ion: 74 Resp:   65966
Ion  Ratio  Lower  Upper
 74  100
 45   94.5   48.6  145.8
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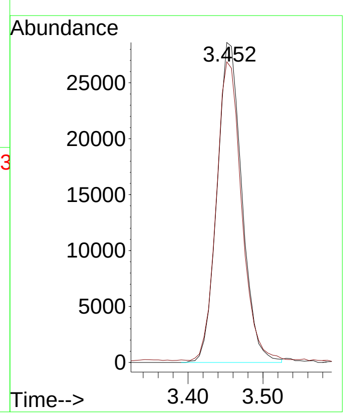
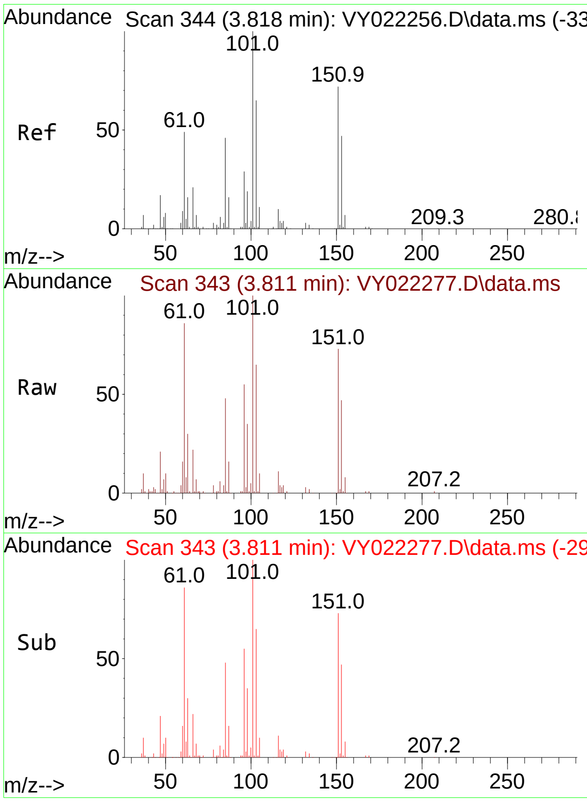




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.824 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

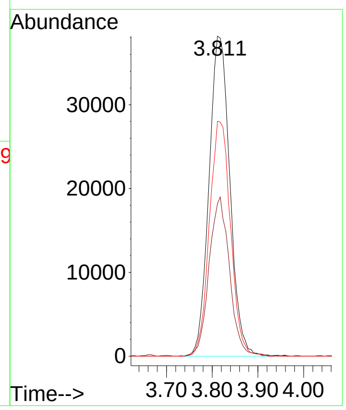
Tgt Ion:101 Resp: 12127

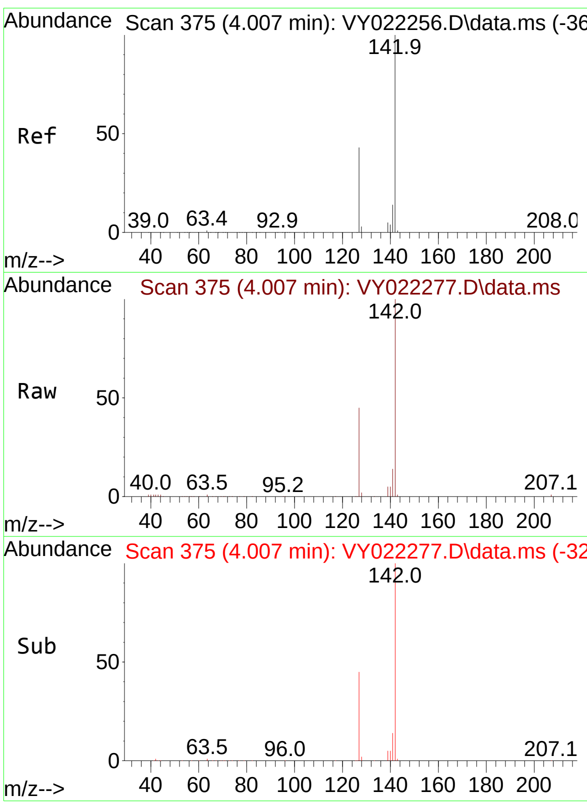
Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.6	58.0
151	74.2	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

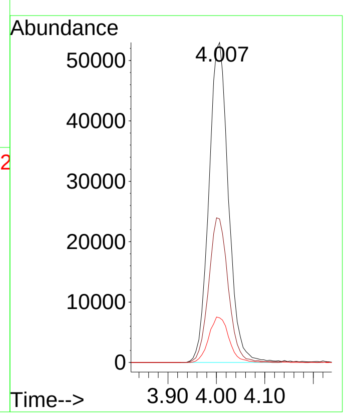


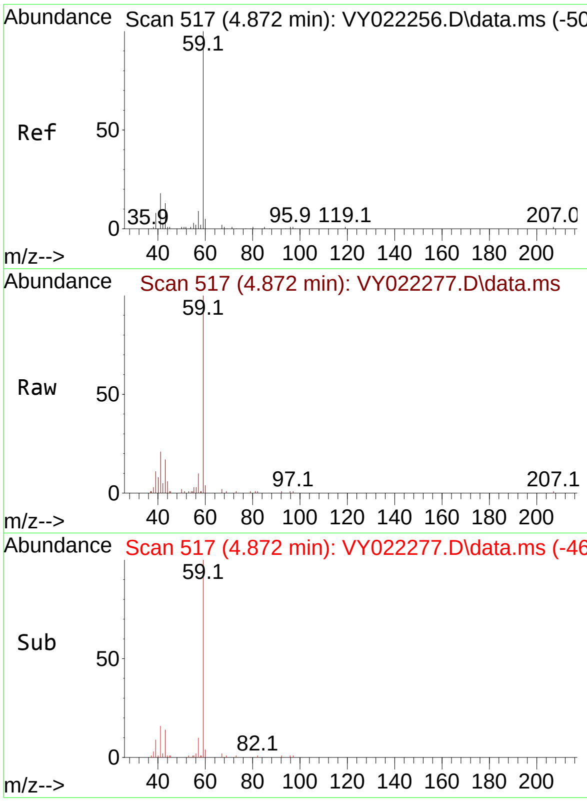


#10
Methyl Iodide
Concen: 56.117 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:142 Resp: 149113

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.7	11.1	16.7





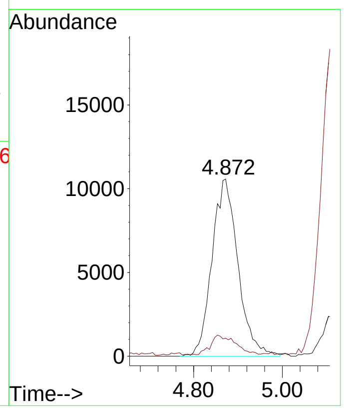
#11
Tert butyl alcohol
Concen: 241.730 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

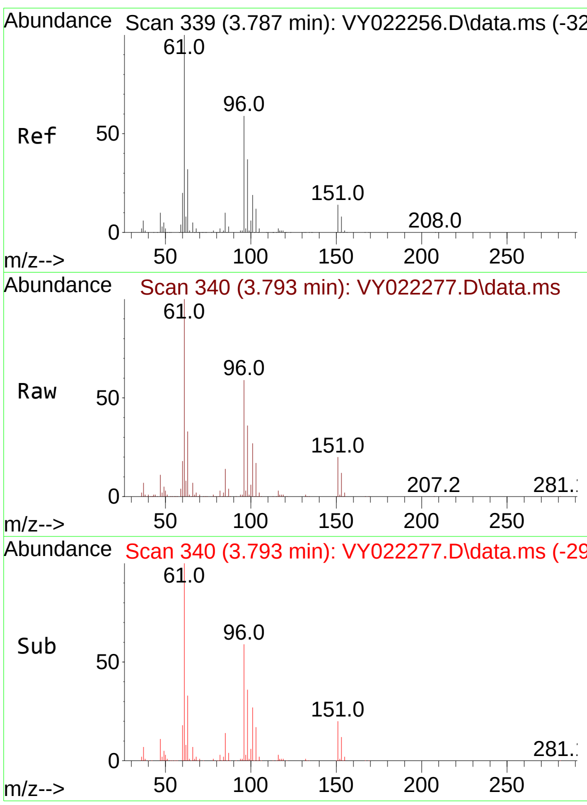
Tgt Ion: 59 Resp: 4297

Ion	Ratio	Lower	Upper
59	100		
57	10.3	0.0	0.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

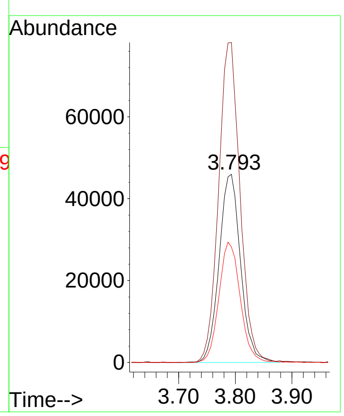


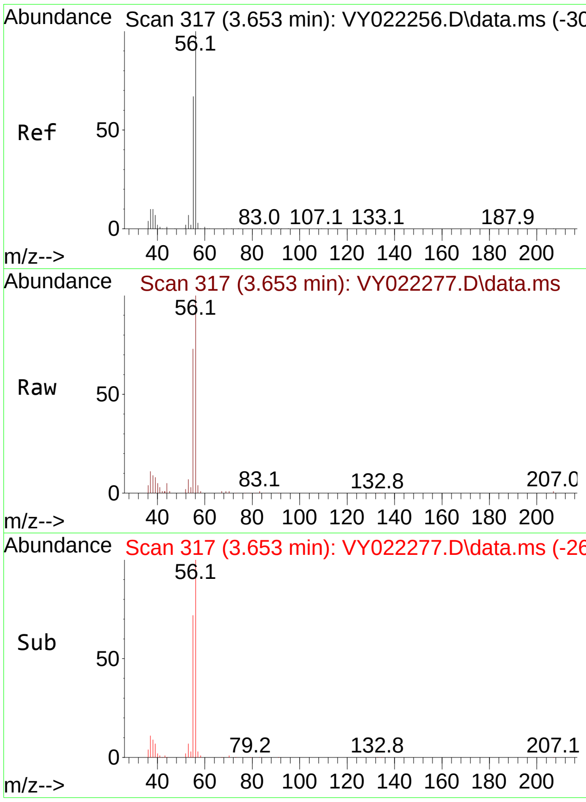


#12
1,1-Dichloroethene
Concen: 53.251 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 96 Resp: 121321

Ion	Ratio	Lower	Upper
96	100		
61	170.1	134.9	202.3
98	61.2	49.9	74.9





#13
Acrolein
Concen: 204.899 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 56 Resp: 5324

Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.6	83.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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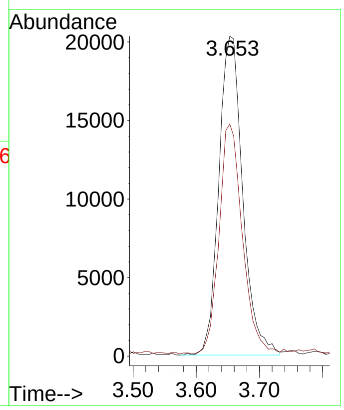
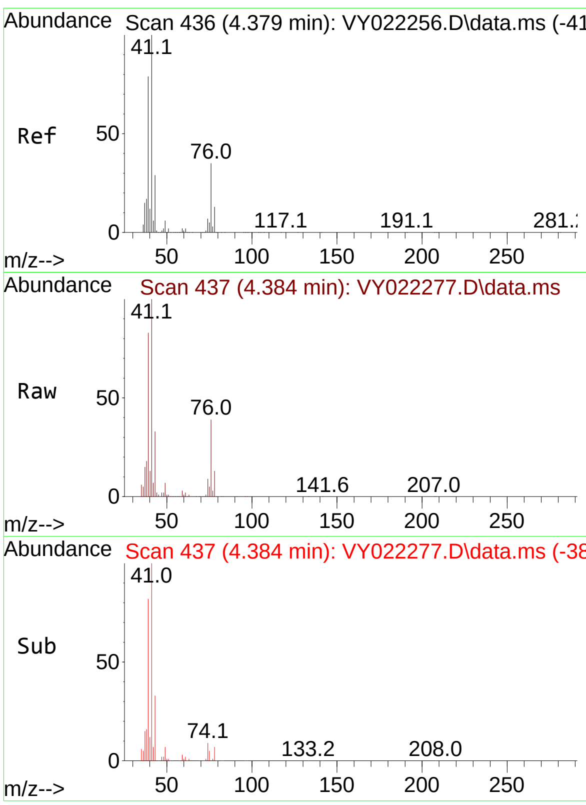
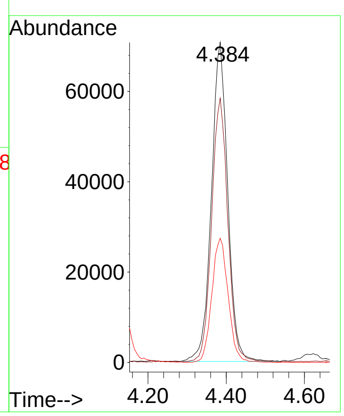




#14
Allyl chloride
Concen: 51.302 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 204941

Ion	Ratio	Lower	Upper
41	100		
39	82.4	63.4	95.0
76	39.0	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/19/2025
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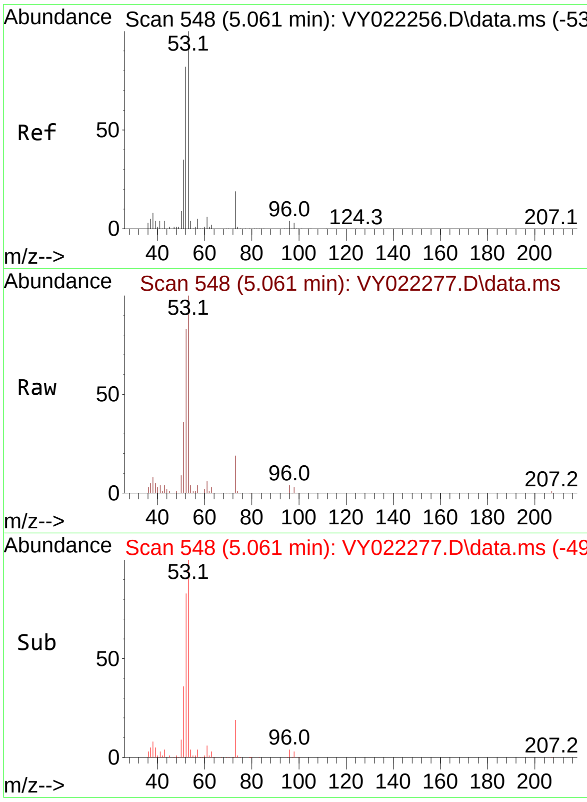
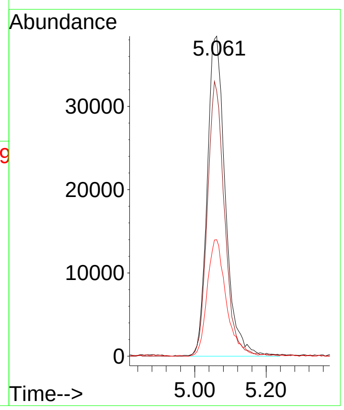
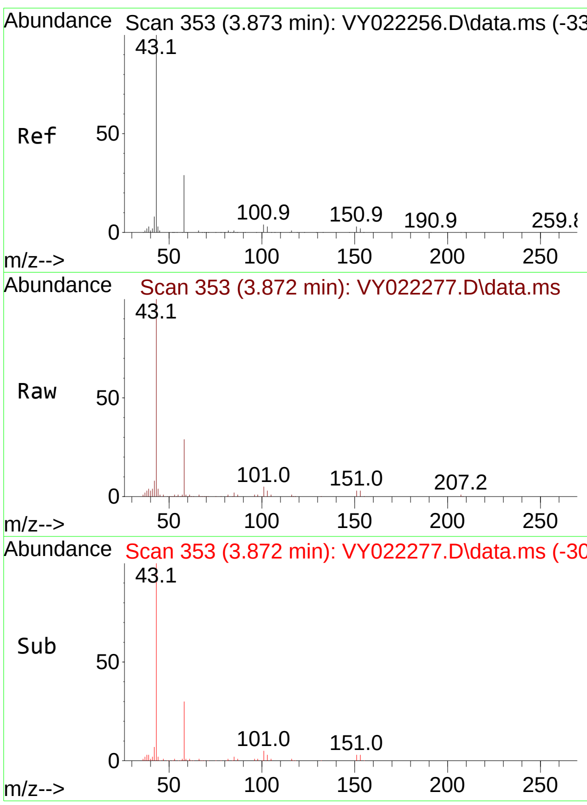


#15
Acrylonitrile
Concen: 259.711 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 53 Resp: 13581

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.1	99.1
51	38.2	30.0	45.0

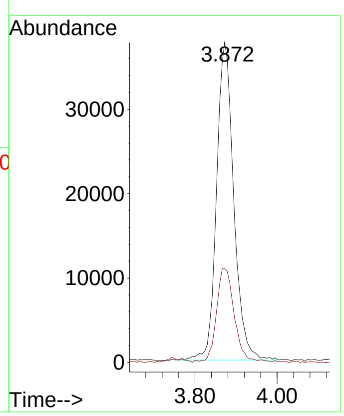




#16
Acetone
Concen: 250.886 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 109507

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4



Sample Results: **VY022277.D**

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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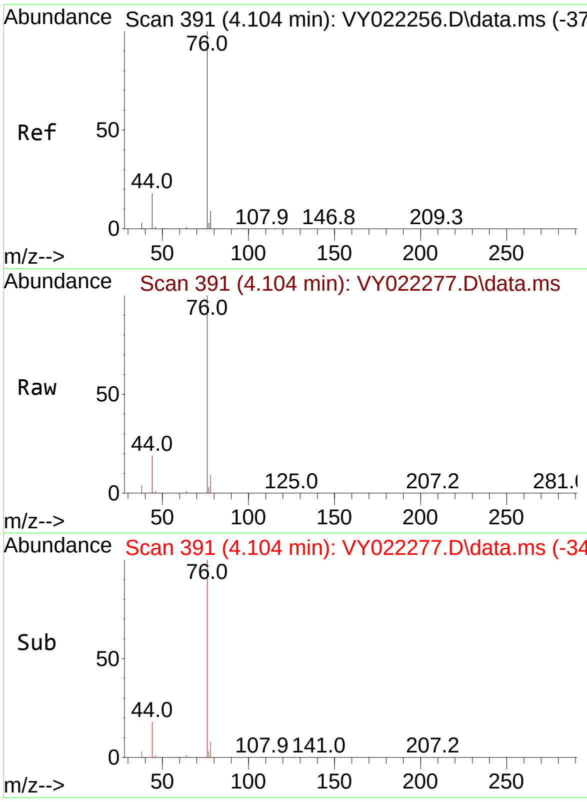
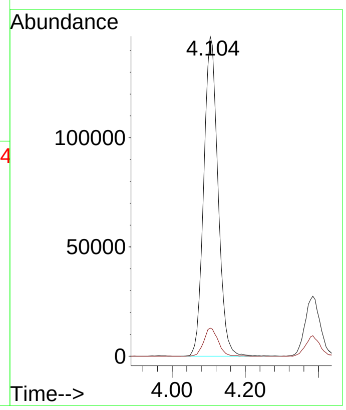
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

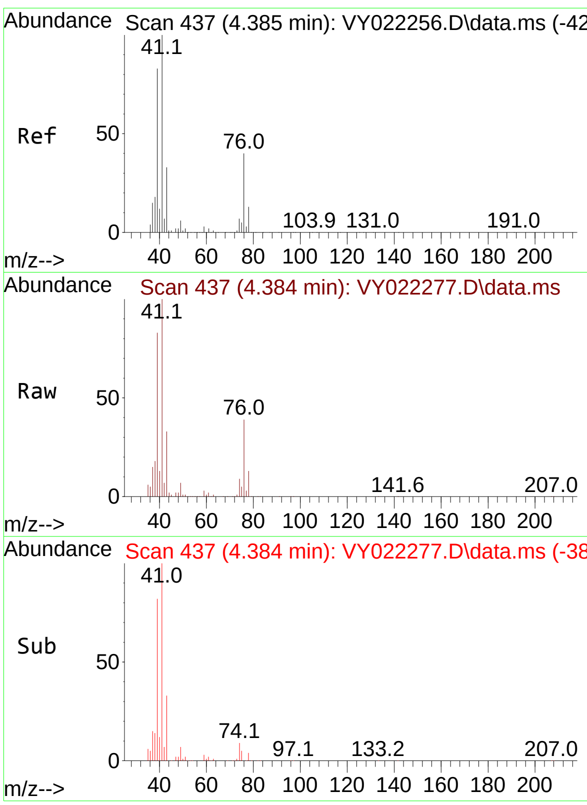


#17
Carbon Disulfide
Concen: 53.042 ug/l
RT: 4.104 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 76 Resp: 39407

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

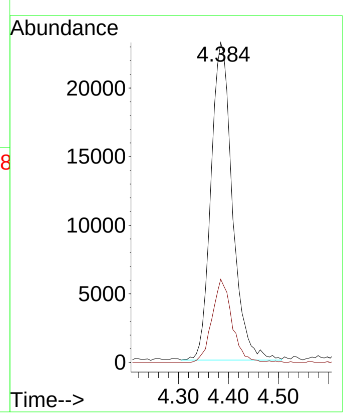




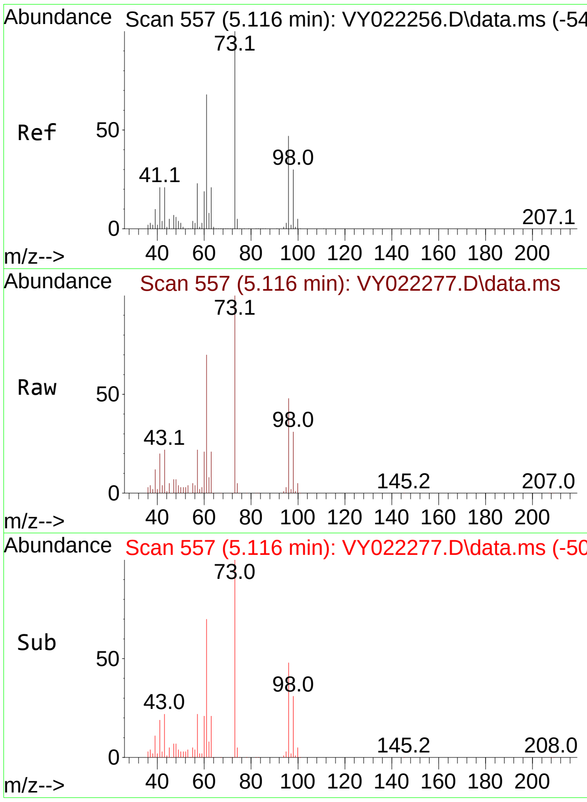
#18
Methyl Acetate
Concen: 50.215 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 69106

Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.2	27.4



Sample Results: **VY022277.D**



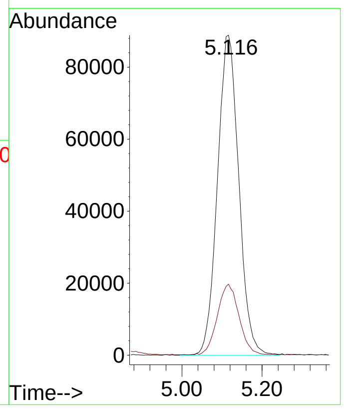

```
#19
Methyl tert-butyl Ether
Concen:   52.321 ug/l
RT:   5.116 min   Scan# 5
Delta R.T.   -0.000 min
Lab File:    VY022277.D
Acq: 16 May 2025   08:24

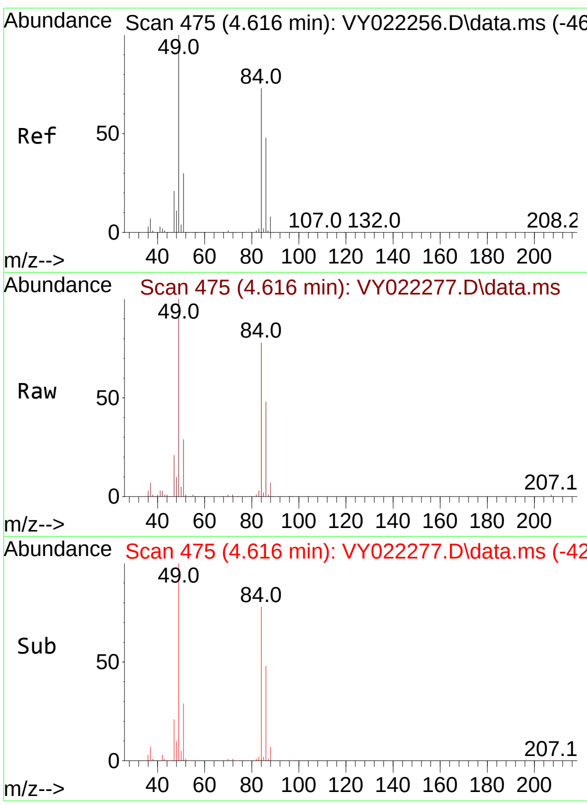
Tgt Ion: 73 Resp:   32868
Ion   Ratio   Lower   Upper
 73   100
 57    22.1    18.6    28.0
```

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

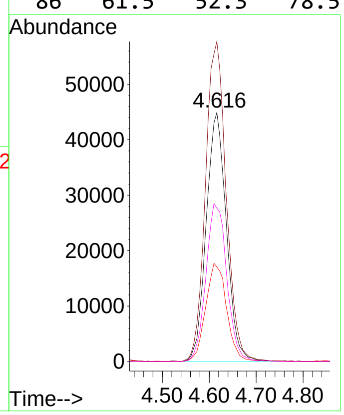
Reviewed By :Mahesh Dadoda   05/19/2025
Supervised By :Semsettin Yesilyurt   05/19/2025






```
#20
Methylene Chloride
Concen:   47.645 ug/l
RT:   4.616 min   Scan# 475
Delta R.T.   -0.000 min
Lab File:    VY022277.D
Acq: 16 May 2025   08:24

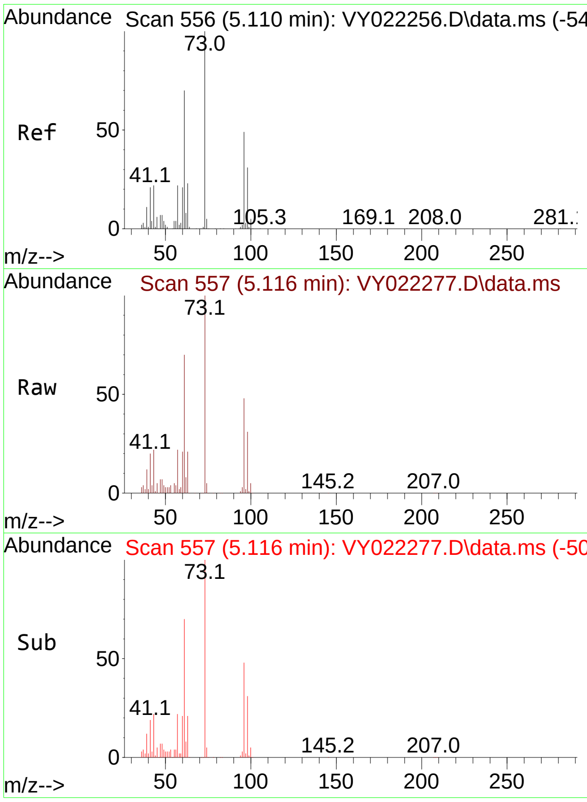
Tgt Ion: 84 Resp:   134377
Ion   Ratio   Lower   Upper
 84   100
 49   128.6   109.6   164.4
 51    37.9    32.4    48.6
 86    61.5    52.3    78.5
```



Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050

Manual Integrations APPROVED

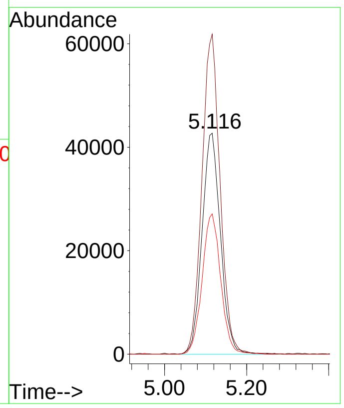
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

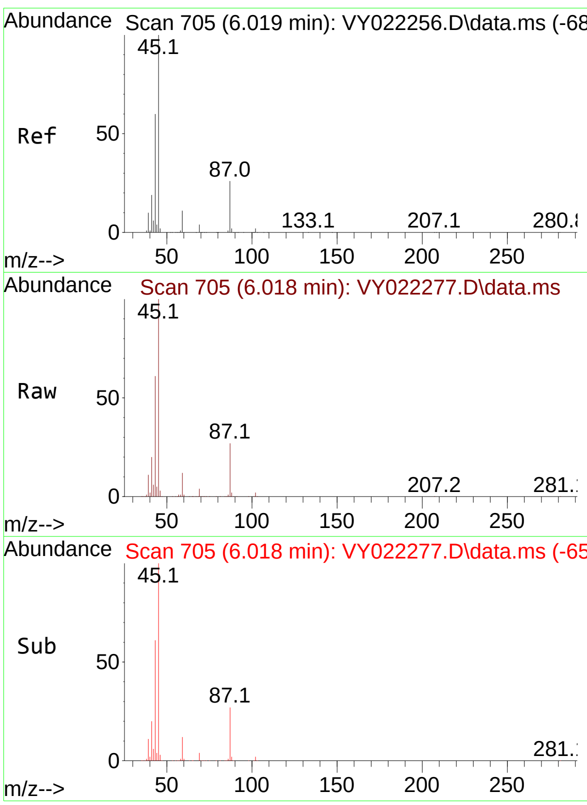


#21
trans-1,2-Dichloroethene
Concen: 52.998 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 96 Resp: 133277

Ion	Ratio	Lower	Upper
96	100		
61	144.7	113.4	170.0
98	63.5	50.9	76.3

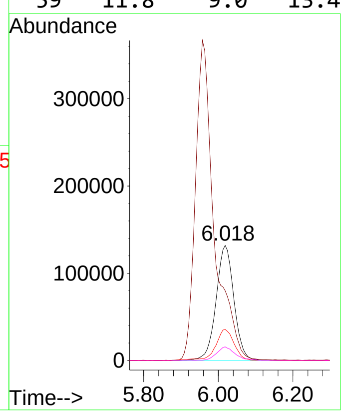




#22
Diisopropyl ether
Concen: 51.810 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 45 Resp: 437077

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.2
87	27.0	21.4	32.0
59	11.8	9.0	13.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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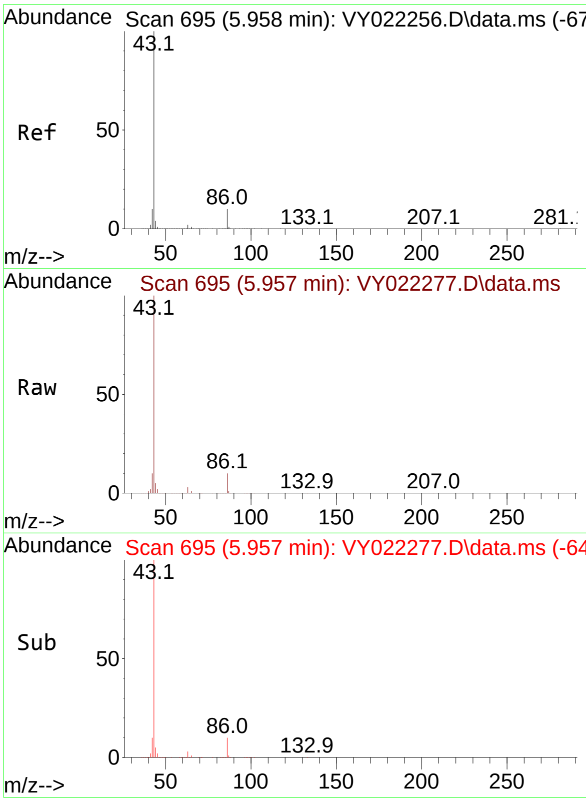
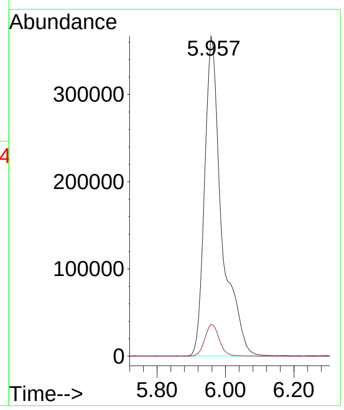
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

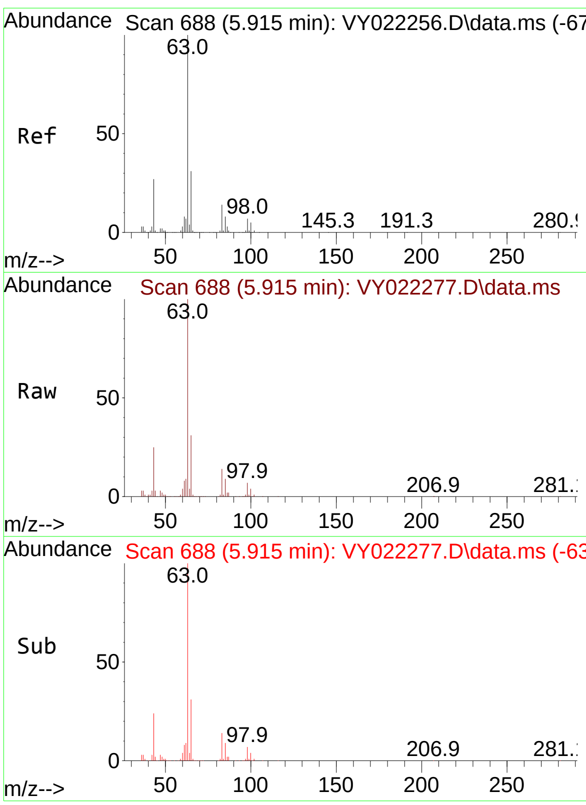


#23
Vinyl Acetate
Concen: 251.128 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 127989

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

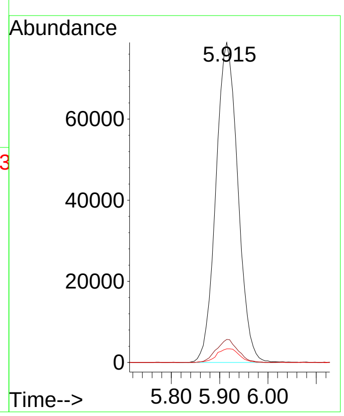


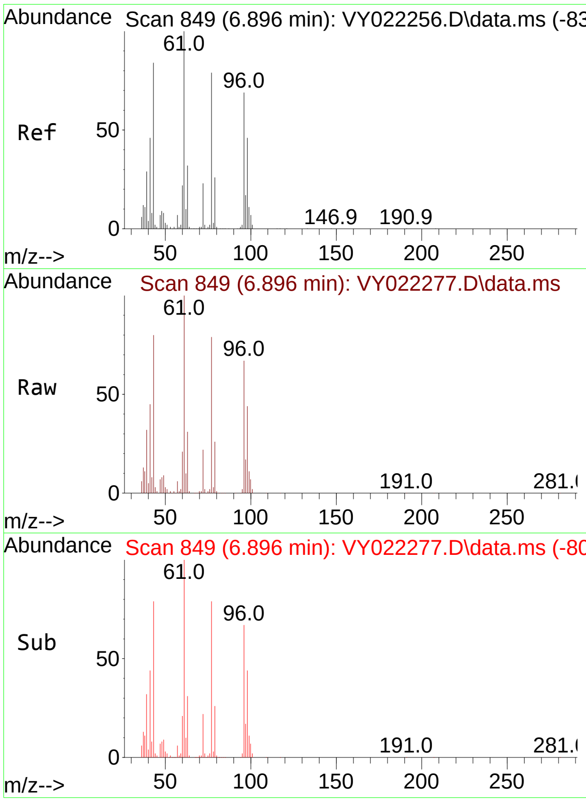


#24
1,1-Dichloroethane
Concen: 52.970 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 249652

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.3	2.4	7.2





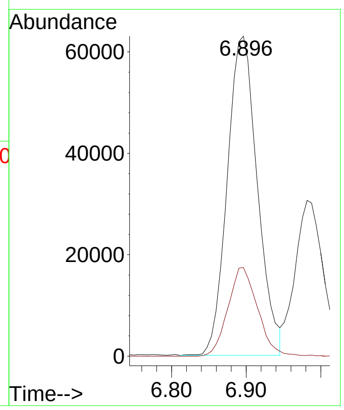
#25
2-Butanone
Concen: 242.624 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

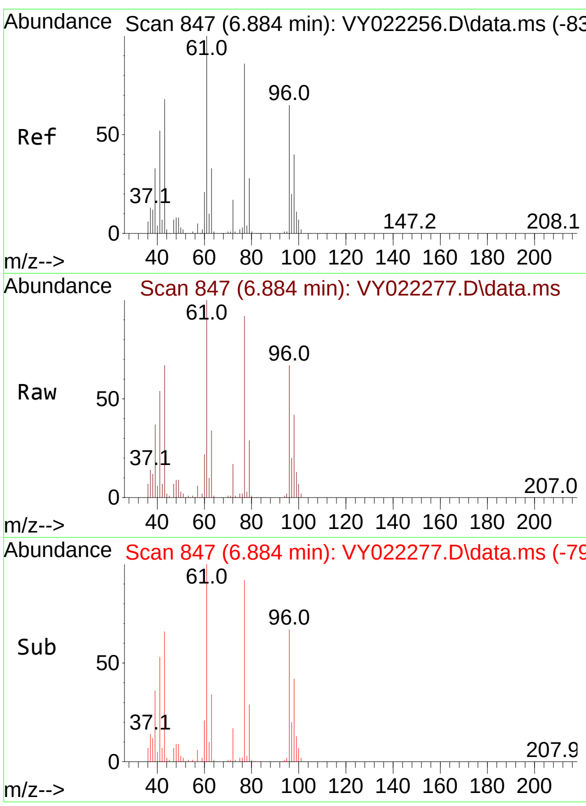
Tgt Ion: 43 Resp: 17714

Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

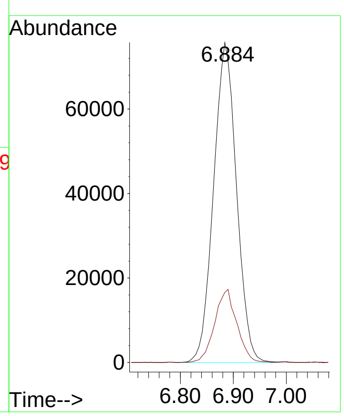


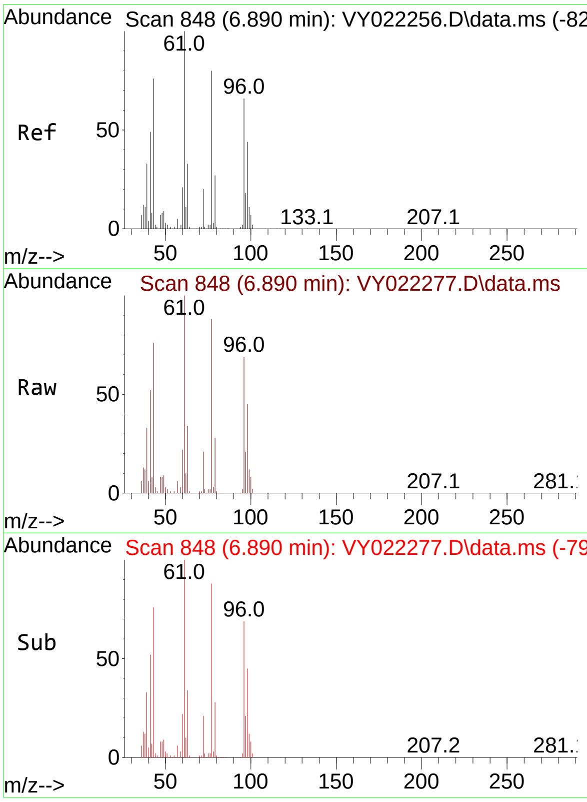


#26
2,2-Dichloropropane
Concen: 54.384 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 77 Resp: 227980

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 54.093 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 156977

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	302.6
98	63.9	0.0	128.8

Manual Integrations
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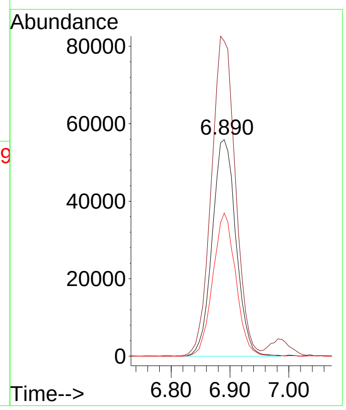
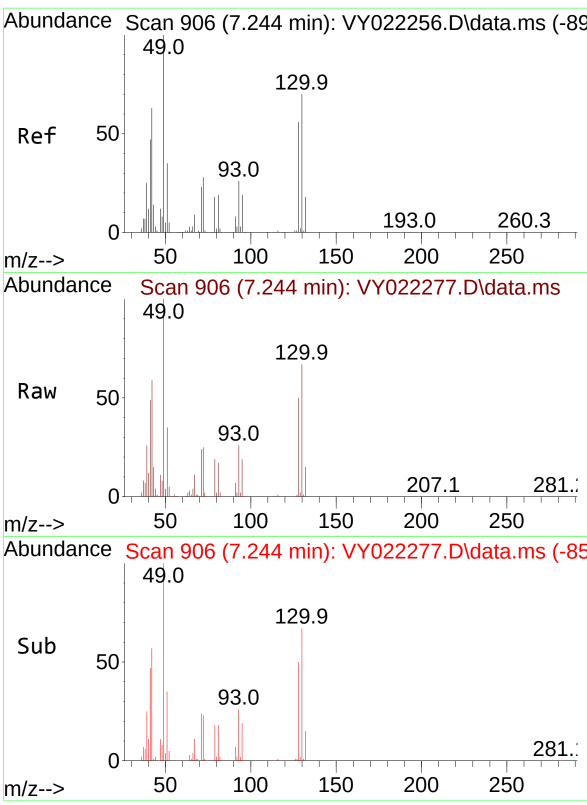
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

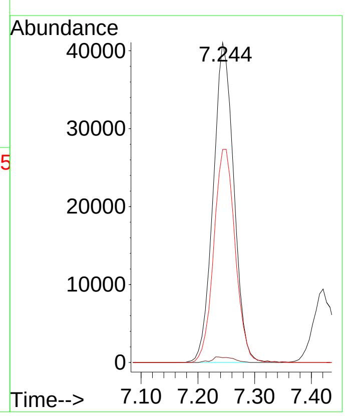




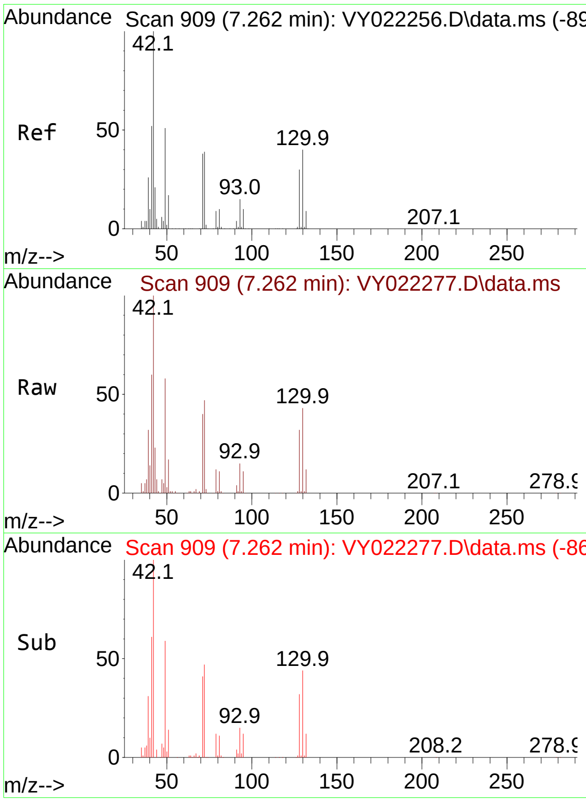
#28
Bromochloromethane
Concen: 51.625 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 49 Resp: 103785

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.0	54.7	82.1



Sample Results: **VY022277.D**



#29
Tetrahydrofuran
Concen: 246.422 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

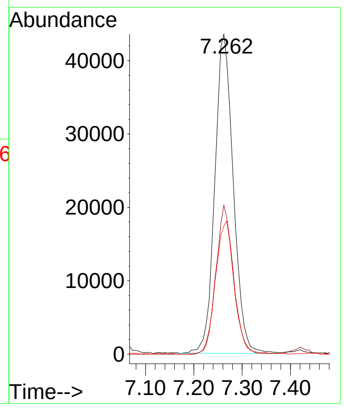
Tgt Ion: 42 Resp: 11574

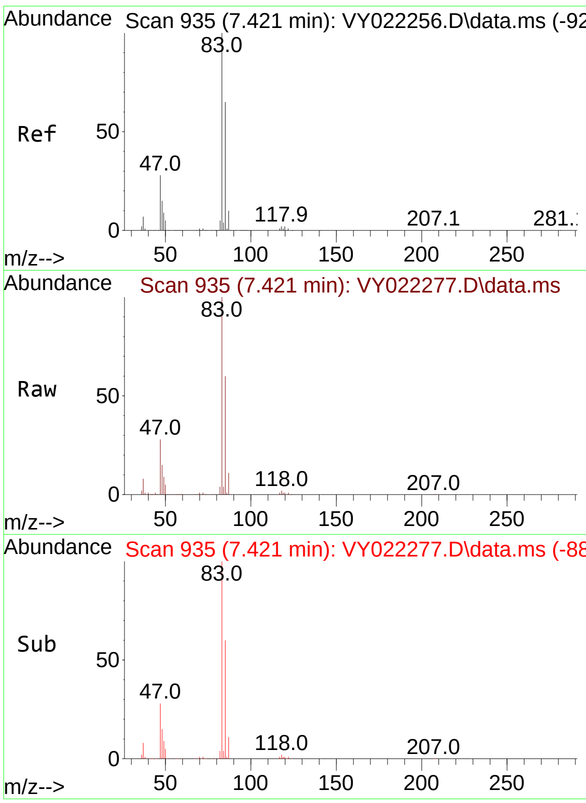
Ion	Ratio	Lower	Upper
42	100		
72	44.3	33.8	50.6
71	42.3	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

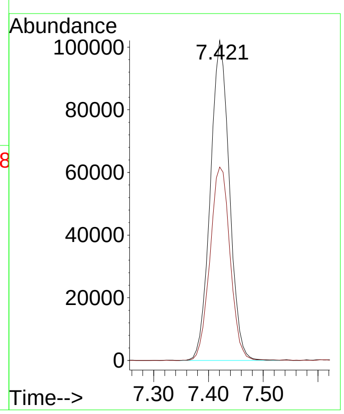




#30
Chloroform
Concen: 54.713 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 247345

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.8	77.8



Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050

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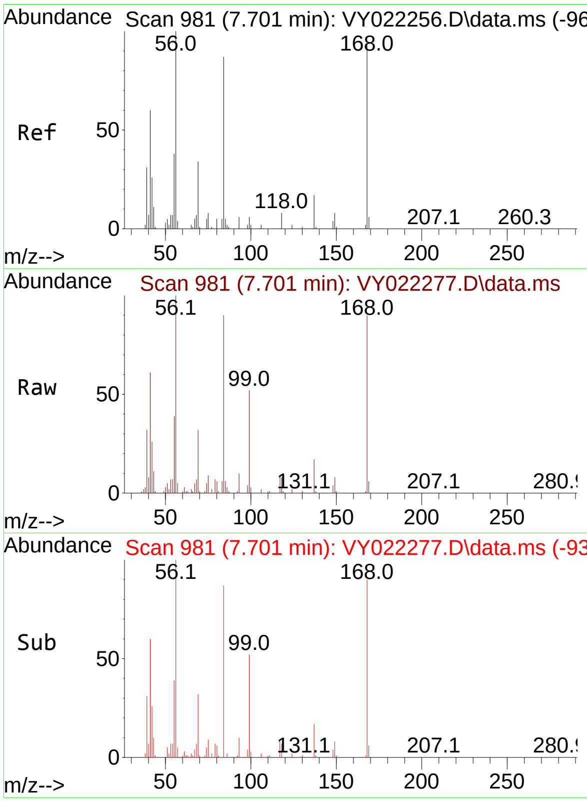
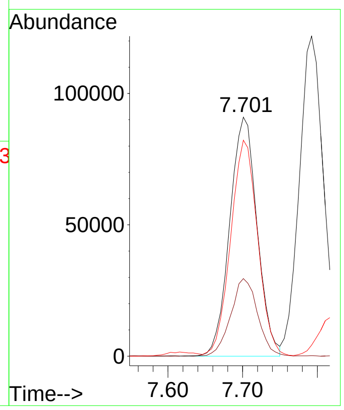
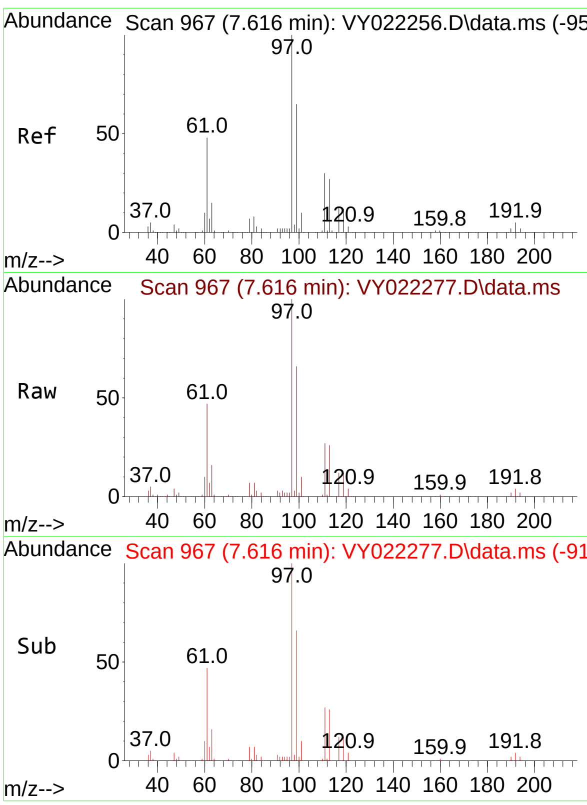


#31
Cyclohexane
Concen: 49.457 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 56 Resp: 232896

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.4	41.2
84	88.6	70.0	105.0

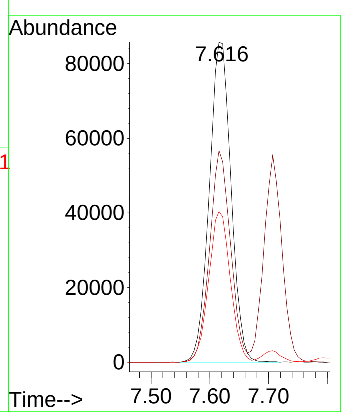


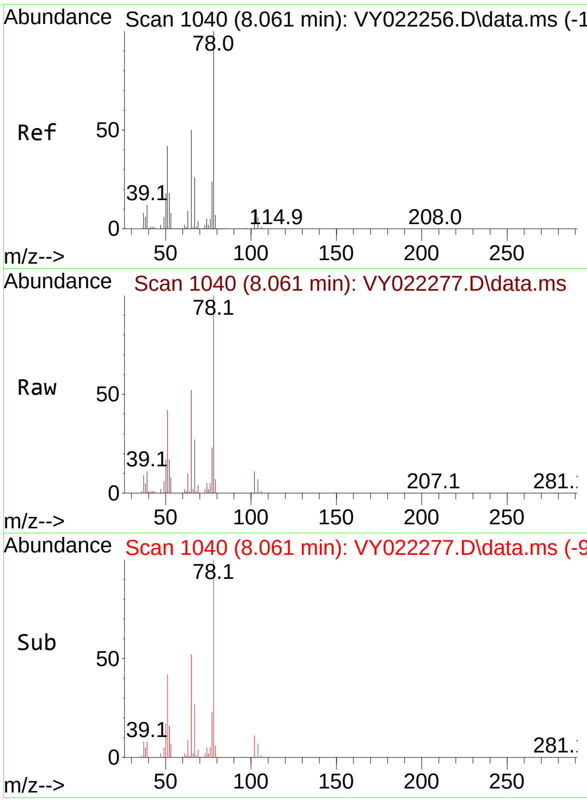


#32
1,1,1-Trichloroethane
Concen: 53.304 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 97 Resp: 221082

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	47.0	38.1	57.1





\#33
1,2-Dichloroethane-d4
Concen: 50.505 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 65 Resp: 117567

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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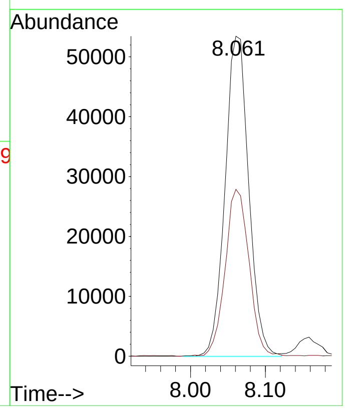
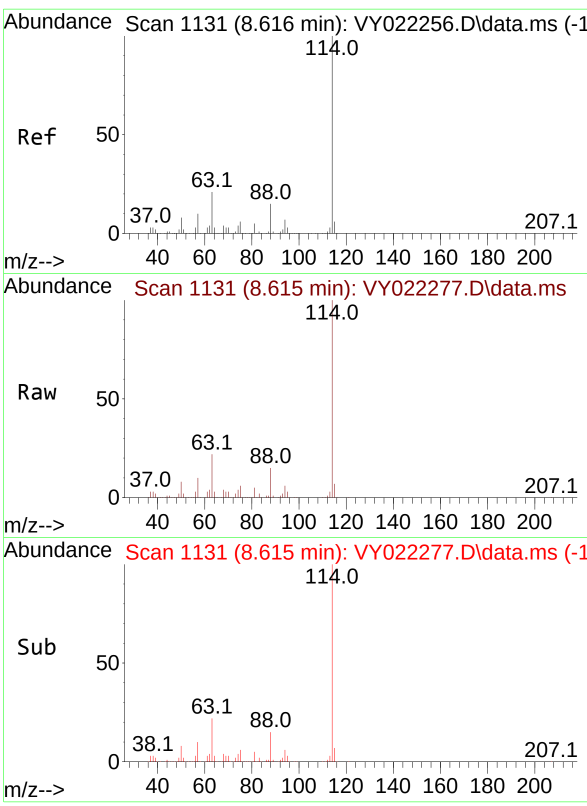
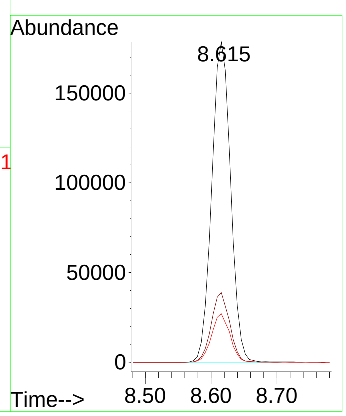




\#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:114 Resp: 356583

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.0
88	15.1	0.0	29.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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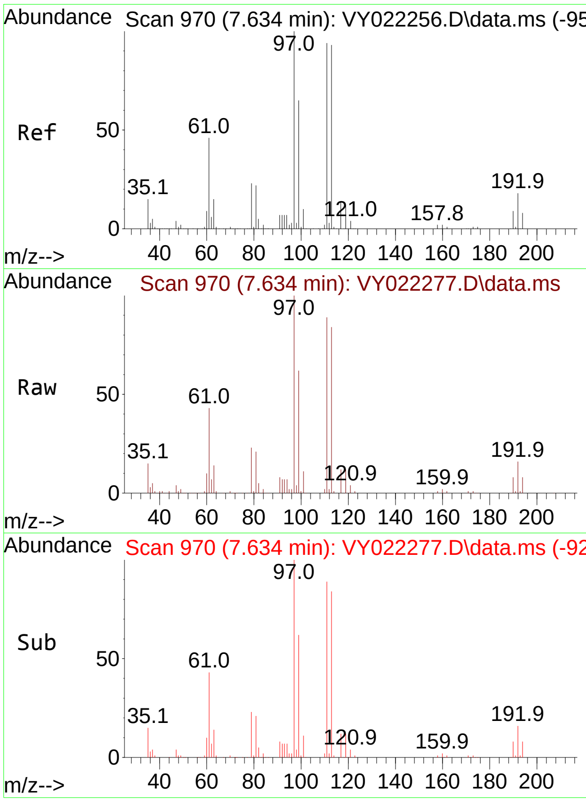
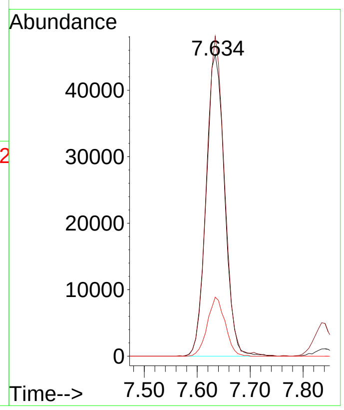
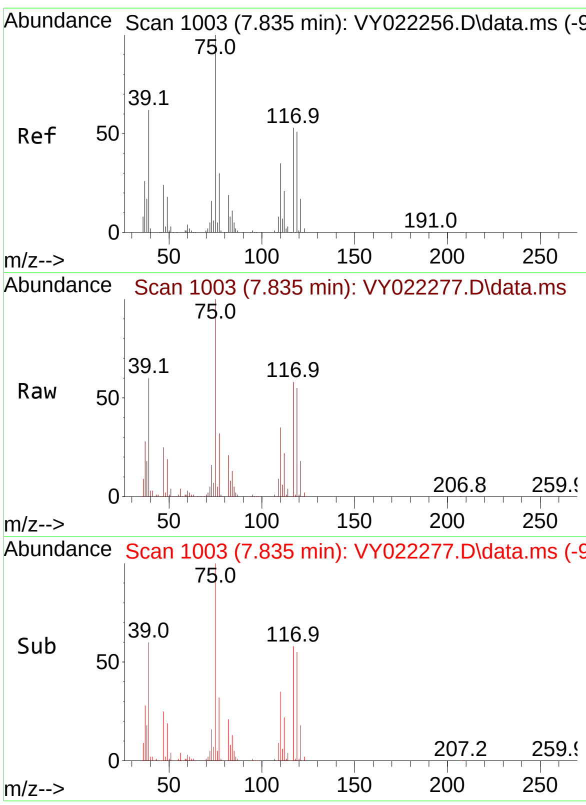


#35
Dibromofluoromethane
Concen: 51.525 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:113 Resp: 10966

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	18.9	15.2	22.8

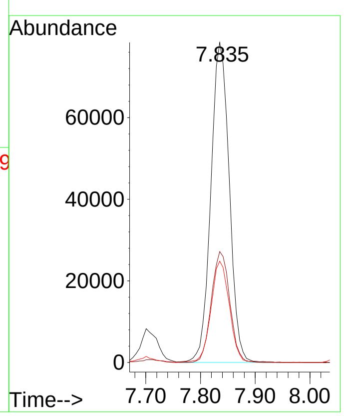




#36
1,1-Dichloropropene
Concen: 52.341 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 183482

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.6	49.8
77	31.6	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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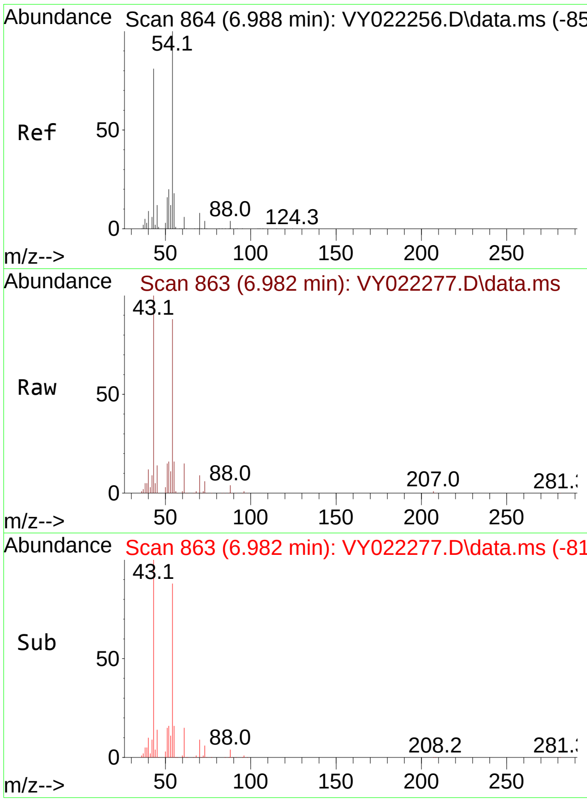
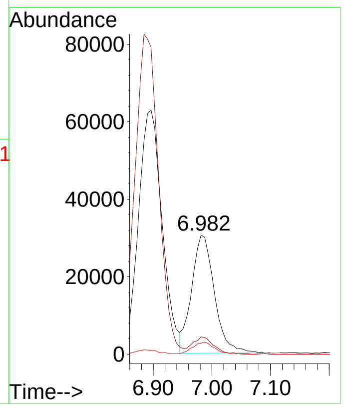
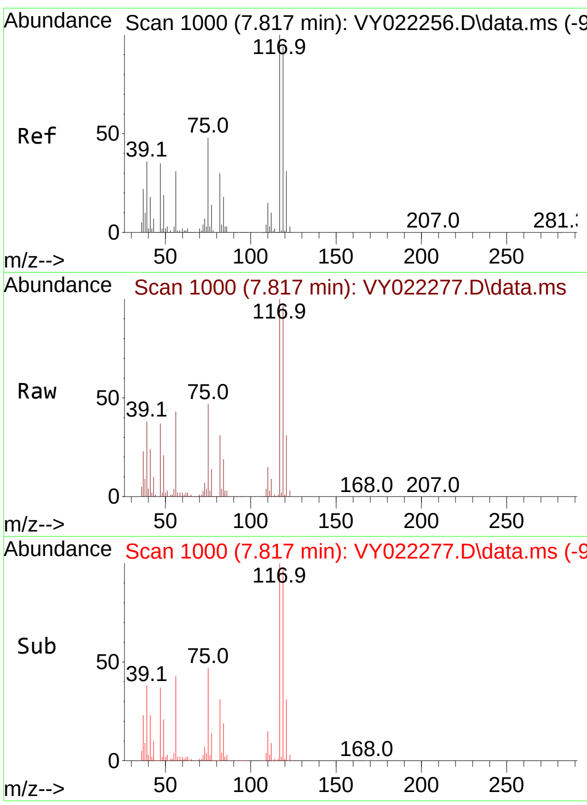


#37
Ethyl Acetate
Concen: 48.715 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 8216

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.2
70	9.9	7.6	11.4

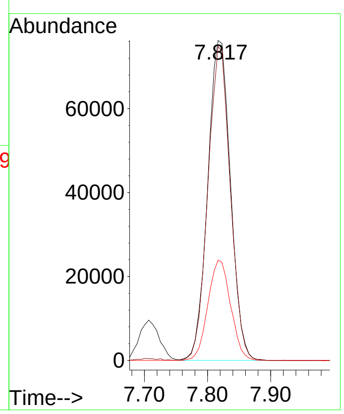


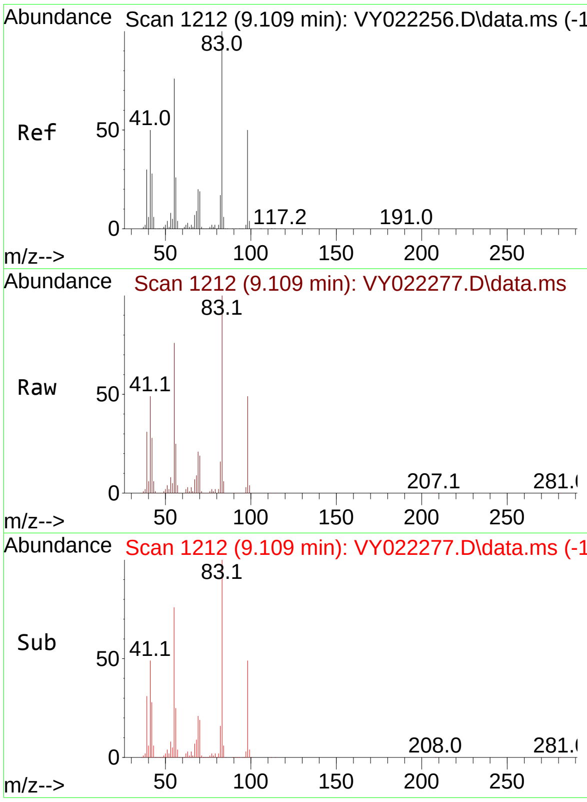


#38
Carbon Tetrachloride
Concen: 52.737 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 191365

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.3	112.9
121	31.4	24.7	37.1

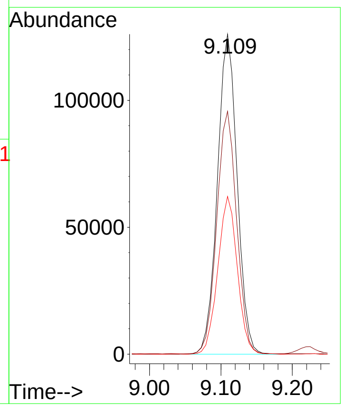




#39
Methylcyclohexane
Concen: 51.496 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 24253

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.6	90.8
98	49.3	40.0	60.0



Instrument :
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ClientSampleId :
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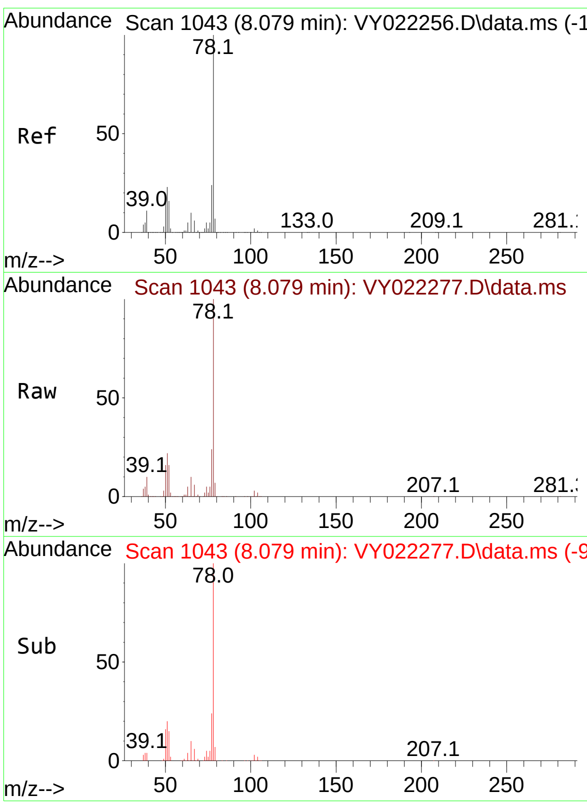
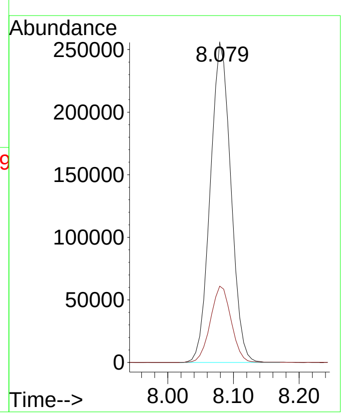
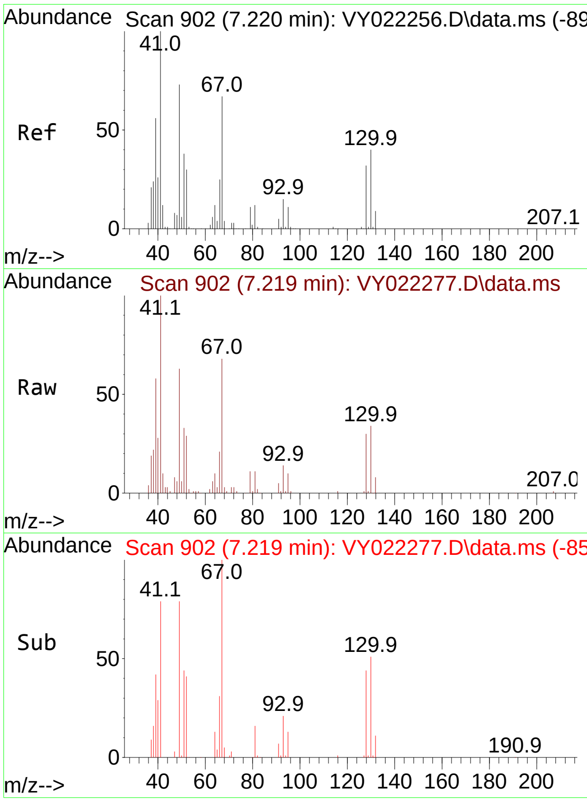


#40
Benzene
Concen: 53.771 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 78 Resp: 558801

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41
Methacrylonitrile
Concen: 44.718 ug/l
RT: 7.219 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 5003

Ion	Ratio	Lower	Upper
41	100		
39	48.9	39.1	58.7
67	71.1	47.1	70.7#
52	30.6	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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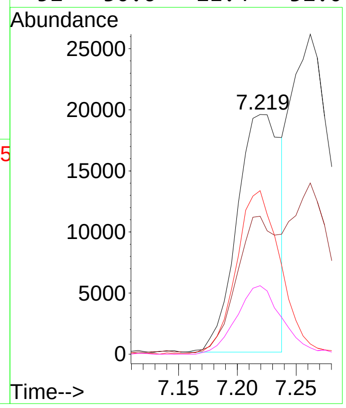
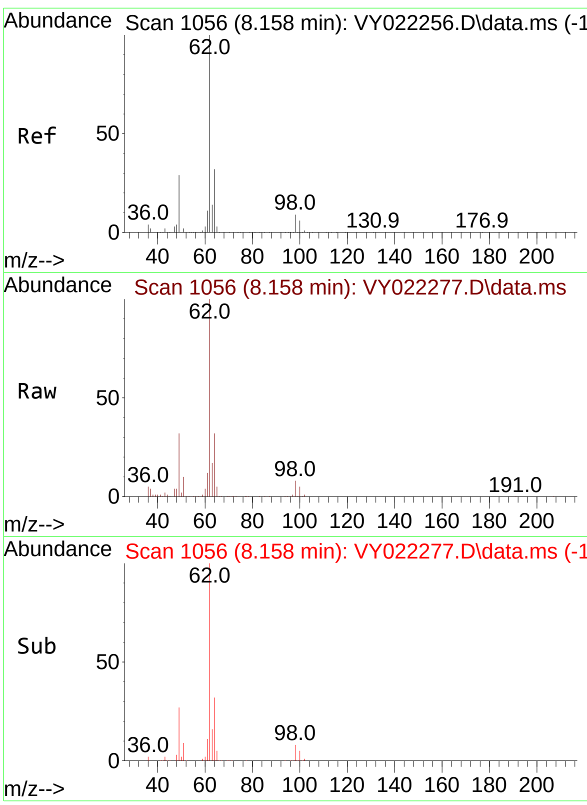
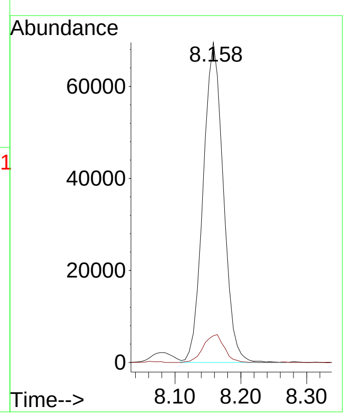




#42
1,2-Dichloroethane
Concen: 52.870 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 62 Resp: 148582

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050

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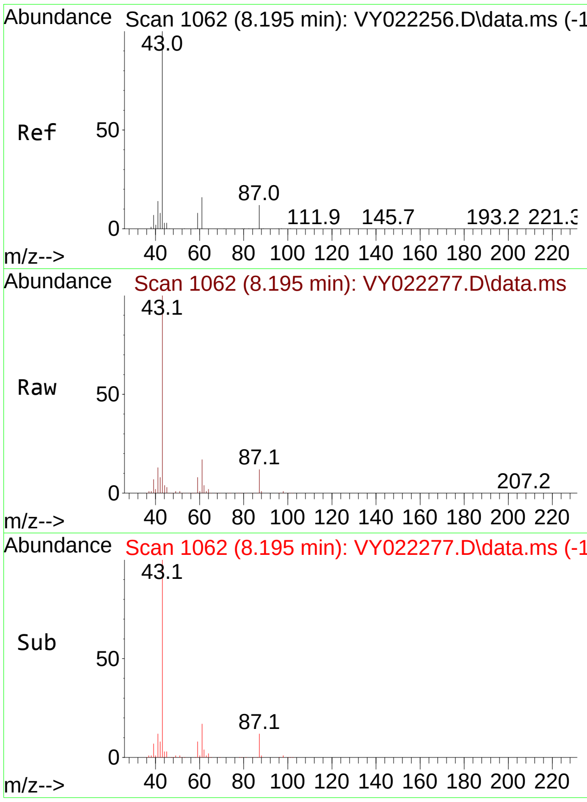
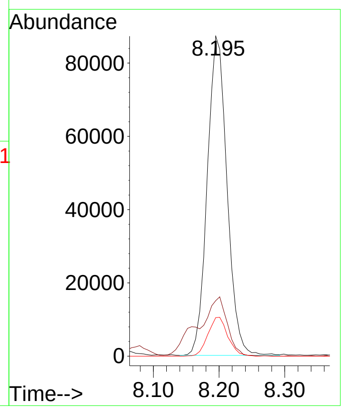
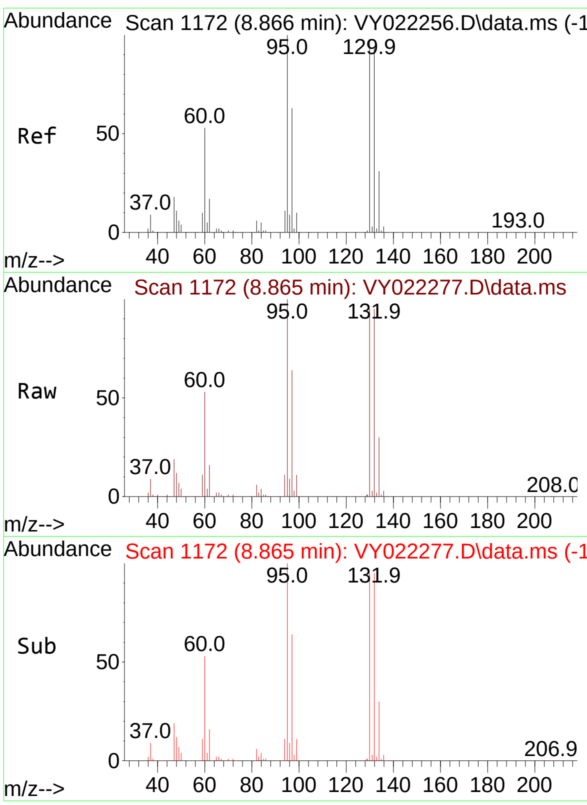



```
#43
Isopropyl Acetate
Concen:   49.654 ug/l
RT:    8.195 min  Scan# 10
Delta R.T.   -0.000 min
Lab File:    VY022277.D
Acq: 16 May 2025  08:24

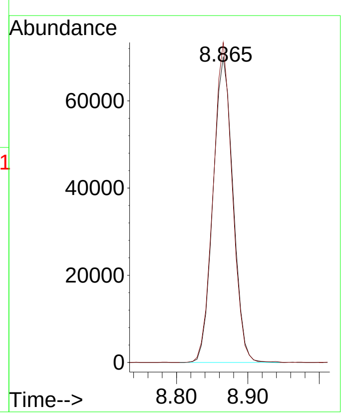
Tgt Ion: 43 Resp:  18265
Ion  Ratio  Lower  Upper
 43  100
 61   27.4   15.1   22.7#
 87   12.3    9.7   14.5
```



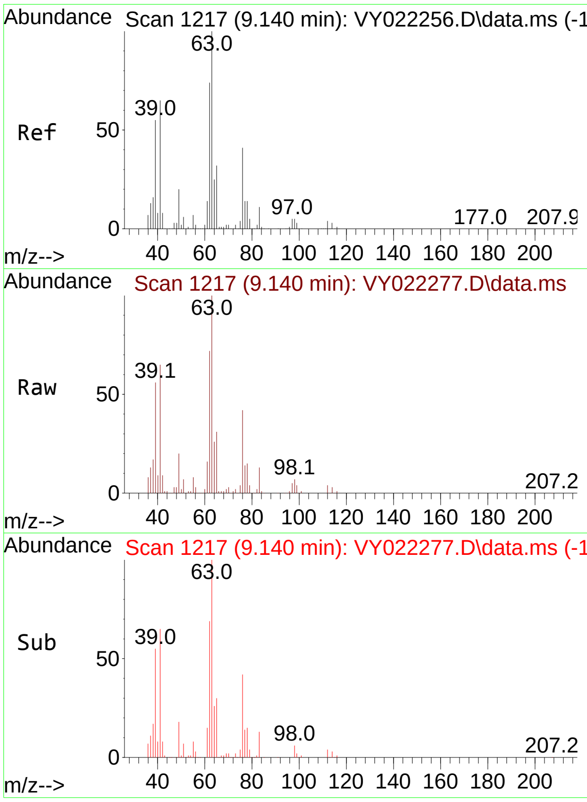



```
#44
Trichloroethene
Concen:   52.539 ug/l
RT:    8.865 min  Scan# 1172
Delta R.T.   -0.000 min
Lab File:    VY022277.D
Acq: 16 May 2025  08:24

Tgt Ion:130 Resp:  135760
Ion  Ratio  Lower  Upper
130  100
 95  104.8    0.0  204.8
```



Sample Results: **VY022277.D**



#45
1,2-Dichloropropane
Concen: 52.735 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 13212

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.7	38.5

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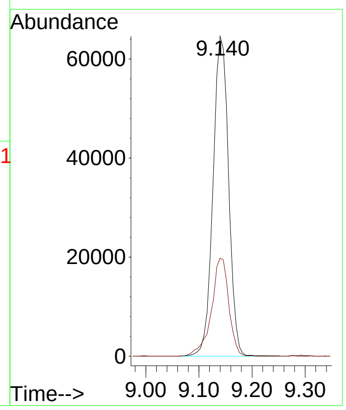
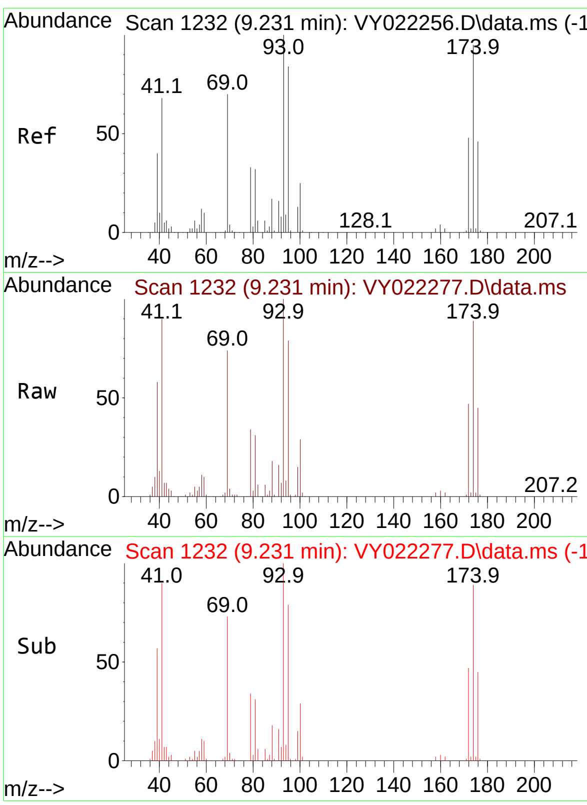
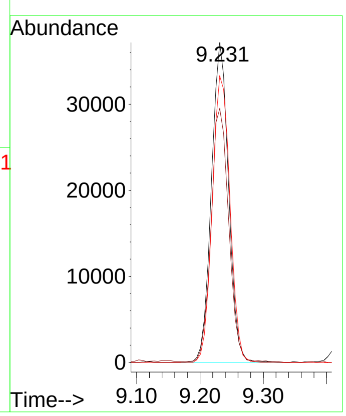




#46
Dibromomethane
Concen: 51.869 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 93 Resp: 70093

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.2	97.8
174	92.2	74.3	111.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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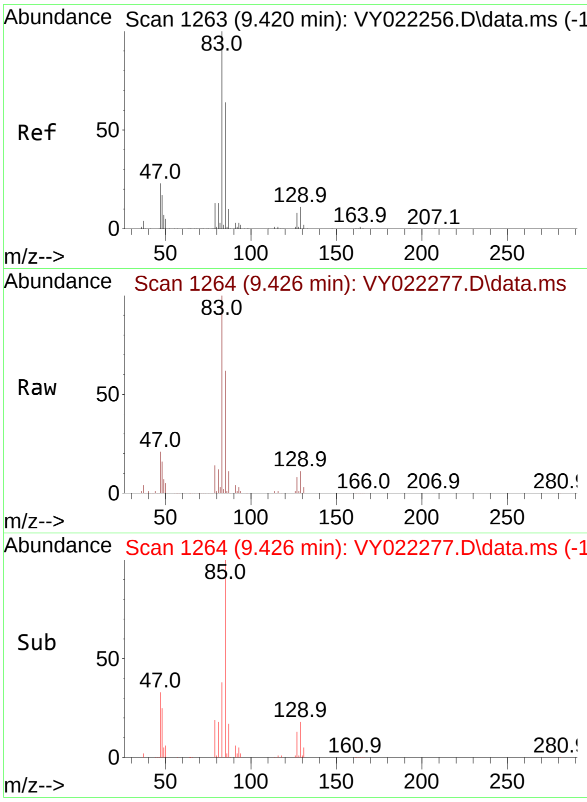
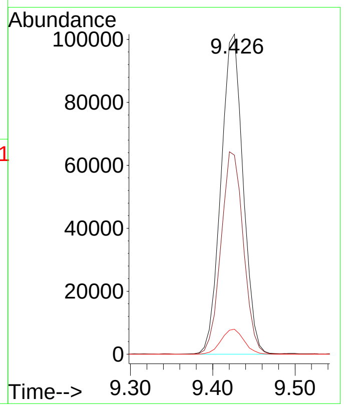
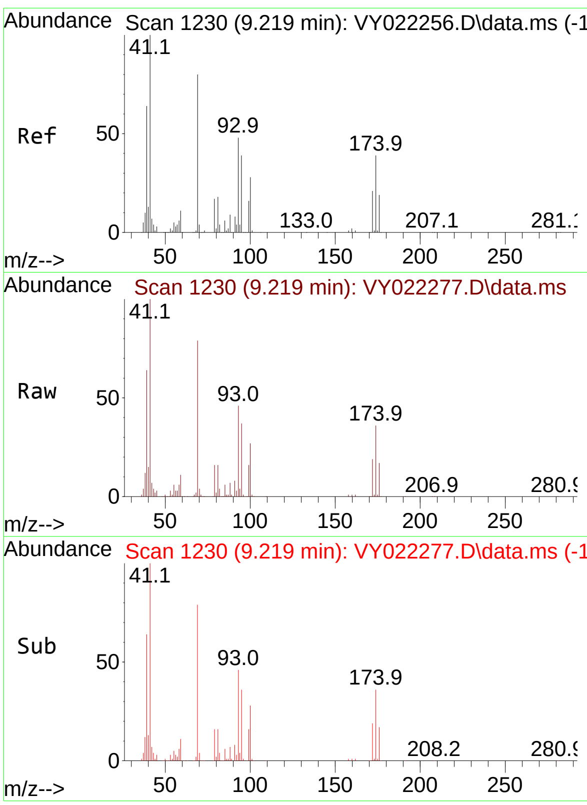


#47
Bromodichloromethane
Concen: 54.169 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 18990

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.1	76.7
127	7.8	6.6	10.0

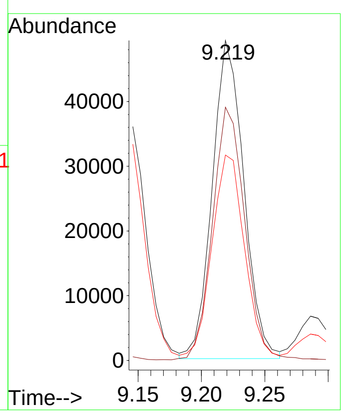




#48
Methyl methacrylate
Concen: 49.534 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 85212

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	64.2	50.8	76.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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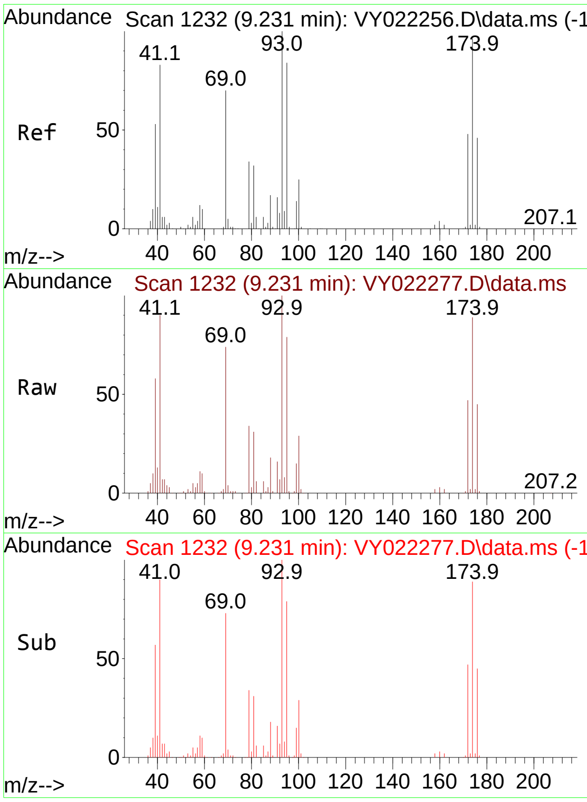
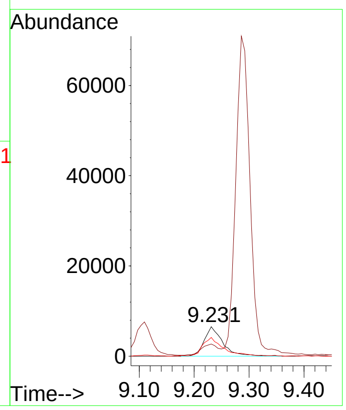
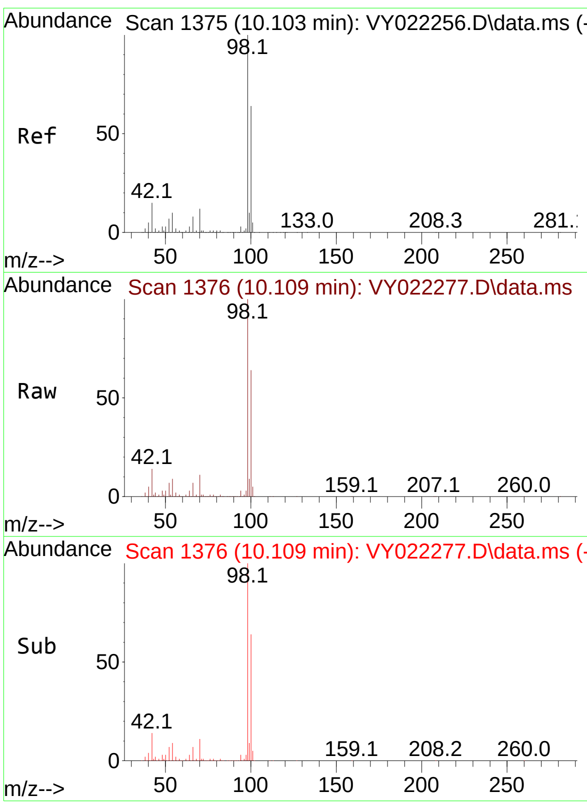


#49
1,4-Dioxane
Concen: 1001.752 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 88 Resp: 1529

Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.5	42.7
58	71.0	61.4	92.2

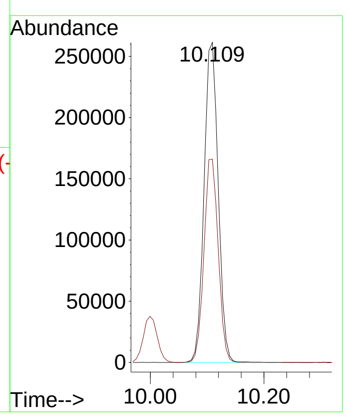


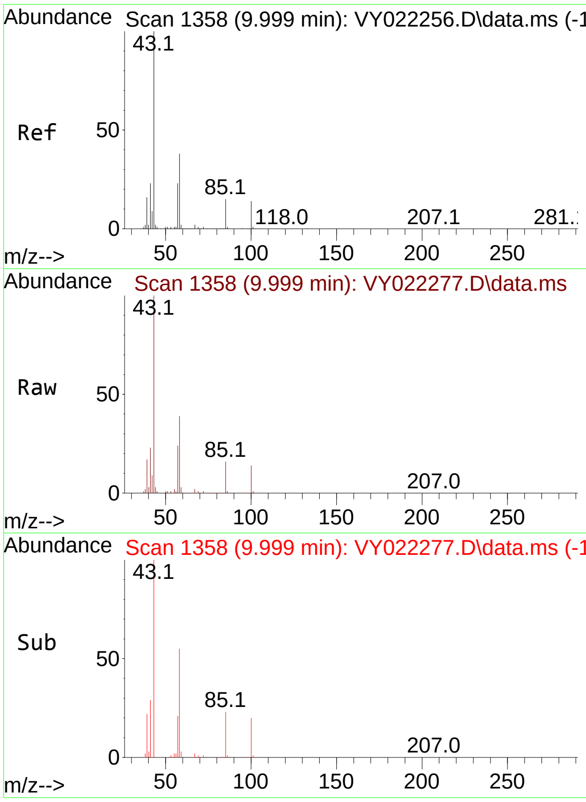


#50
Toluene-d8
Concen: 51.731 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 98 Resp: 450916

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8





#51
4-Methyl-2-Pentanone
Concen: 247.383 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 44650

Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.4	44.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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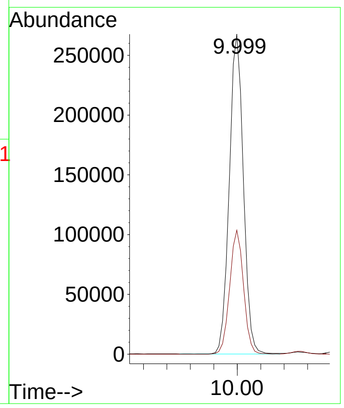
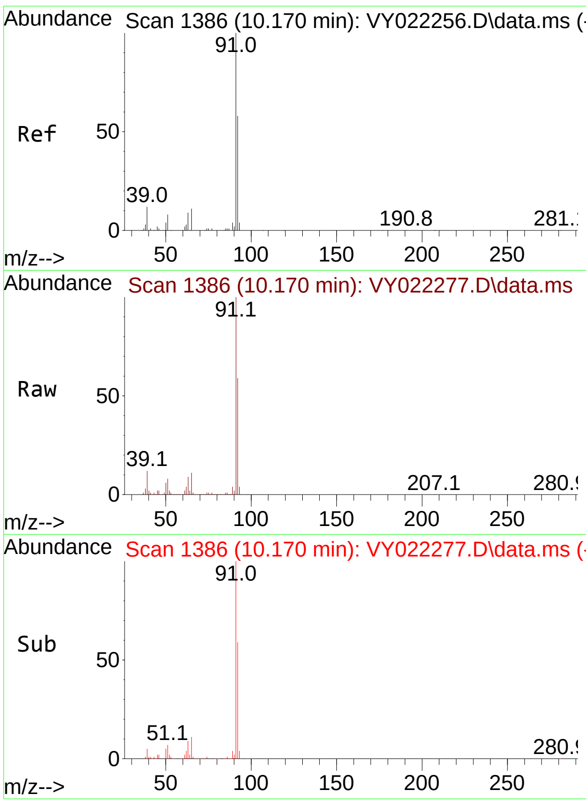
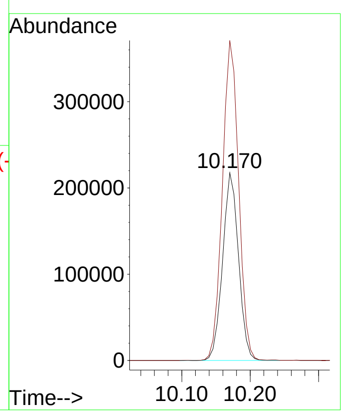




#52
Toluene
Concen: 53.192 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 92 Resp: 350043

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.1	208.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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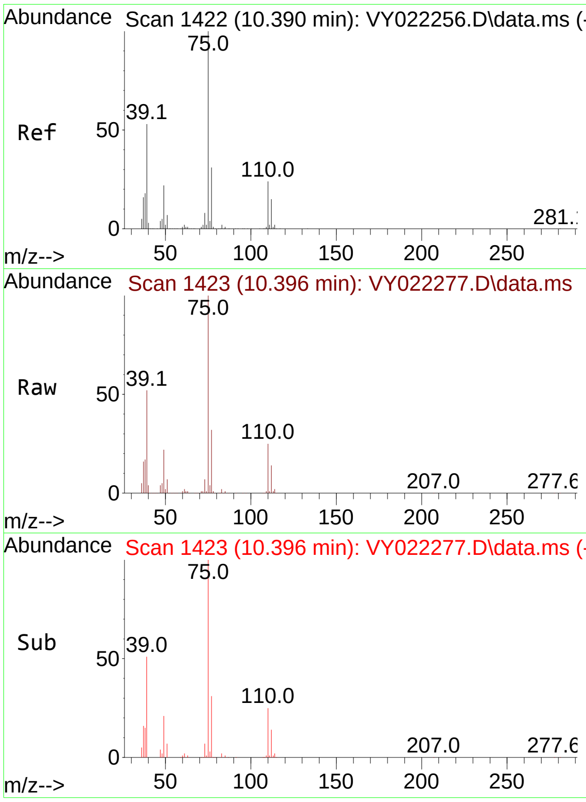
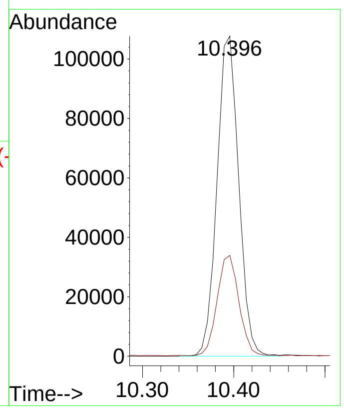
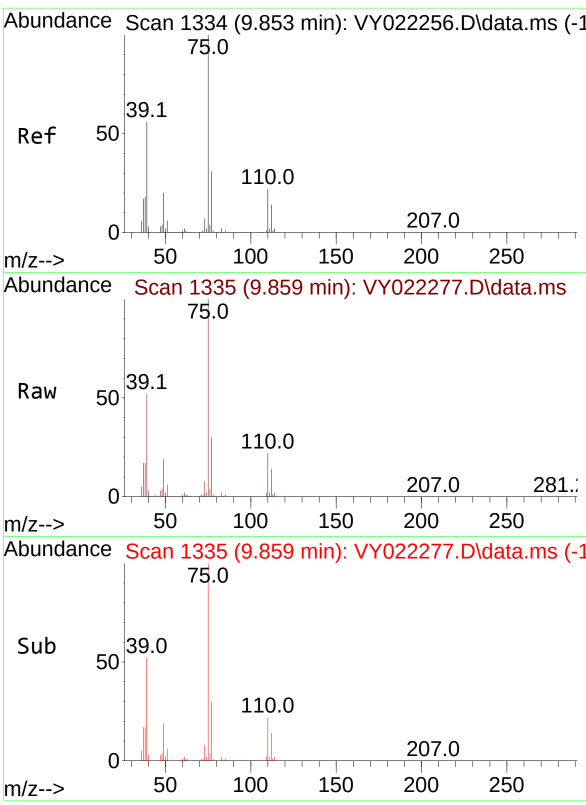
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#53
t-1,3-Dichloropropene
Concen:   52.062 ug/l
RT:  10.396 min  Scan# 14
Delta R.T.  0.006 min
Lab File:   VY022277.D
Acq: 16 May 2025  08:24

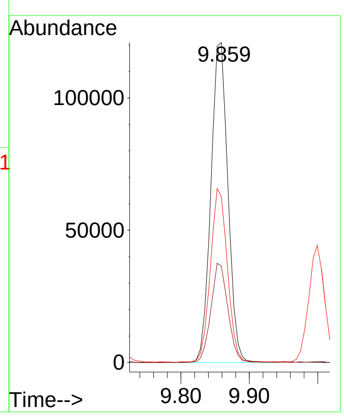
Tgt Ion: 75 Resp:  17812
Ion  Ratio  Lower  Upper
 75  100
 77   31.3   25.0   37.6
```






```
#54
cis-1,3-Dichloropropene
Concen:   53.441 ug/l
RT:   9.859 min  Scan# 1335
Delta R.T.  0.006 min
Lab File:   VY022277.D
Acq: 16 May 2025  08:24

Tgt Ion: 75 Resp:  209477
Ion  Ratio  Lower  Upper
 75  100
 77   30.1   25.1   37.7
 39   51.7   44.5   66.7
```



Instrument :
MSVOA_Y
ClientSampleId :
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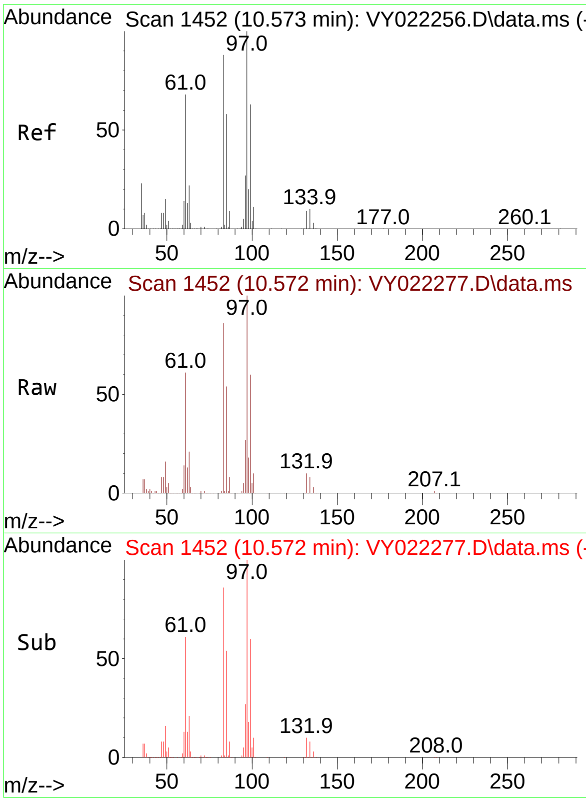
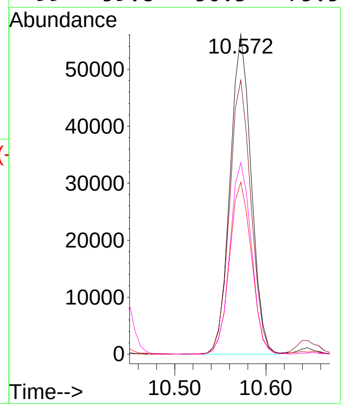
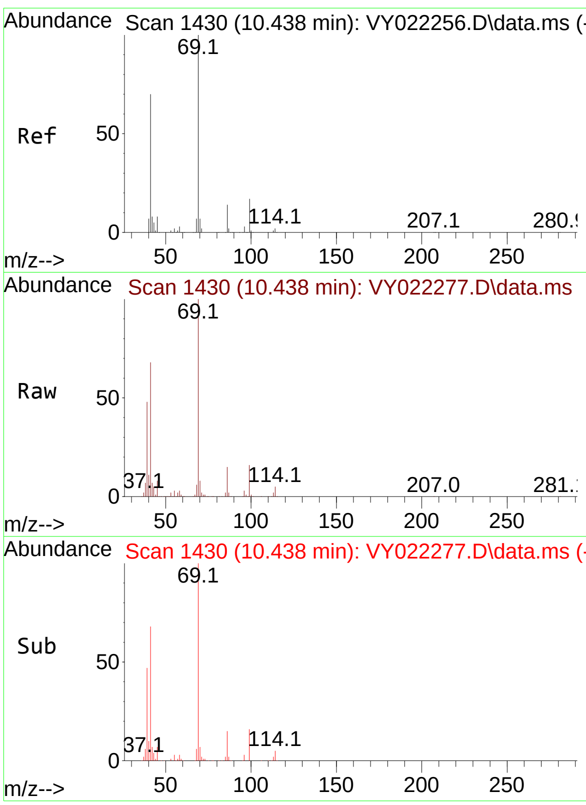


#55
1,1,2-Trichloroethane
Concen: 52.364 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 97 Resp: 9061

Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.3	105.5
85	53.8	46.2	69.4
99	59.8	50.3	75.5

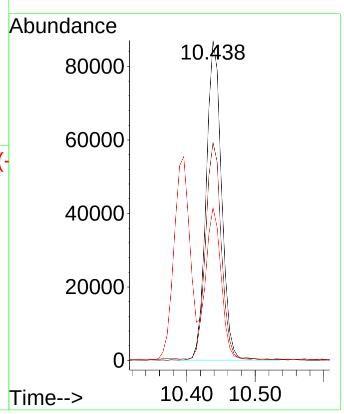




#56
Ethyl methacrylate
Concen: 50.626 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 69 Resp: 136463

Ion	Ratio	Lower	Upper
69	100		
41	68.9	56.5	84.7
39	47.8	37.1	55.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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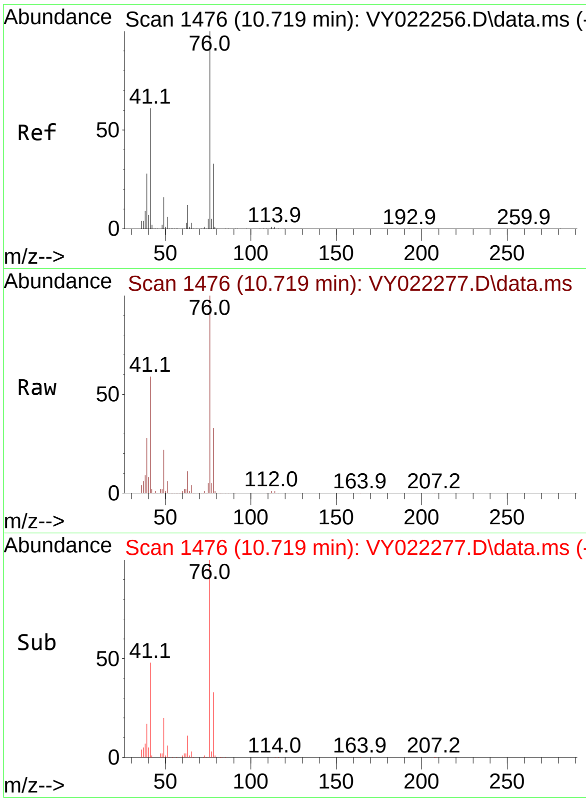
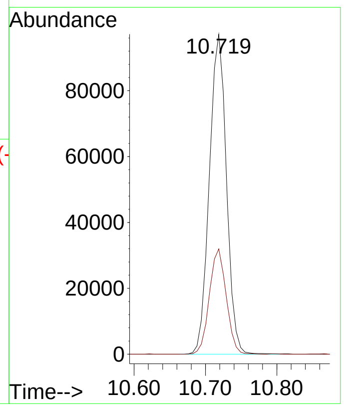
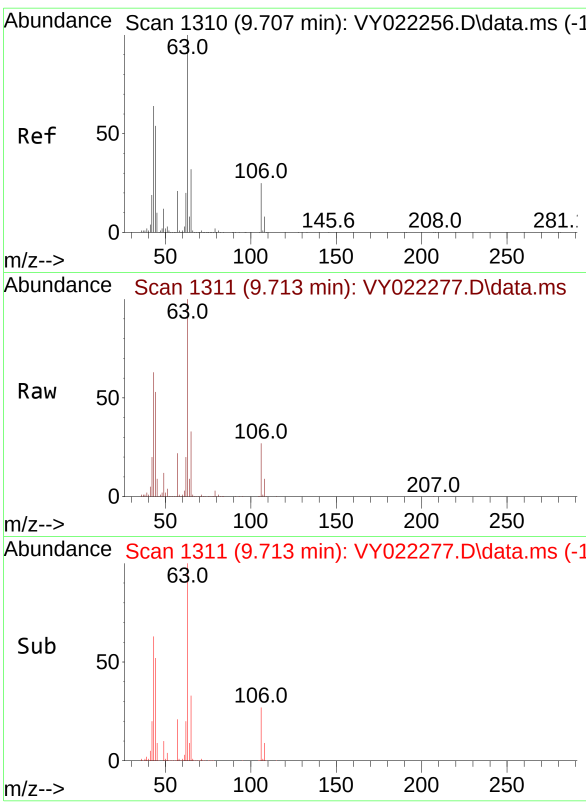


#57
1,3-Dichloropropane
Concen: 52.534 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 76 Resp: 16152

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

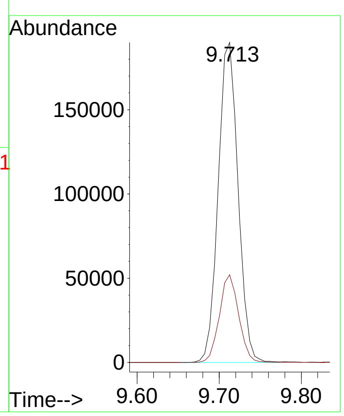




#58
2-Chloroethyl Vinyl ether
Concen: 263.967 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 319368

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4



Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050

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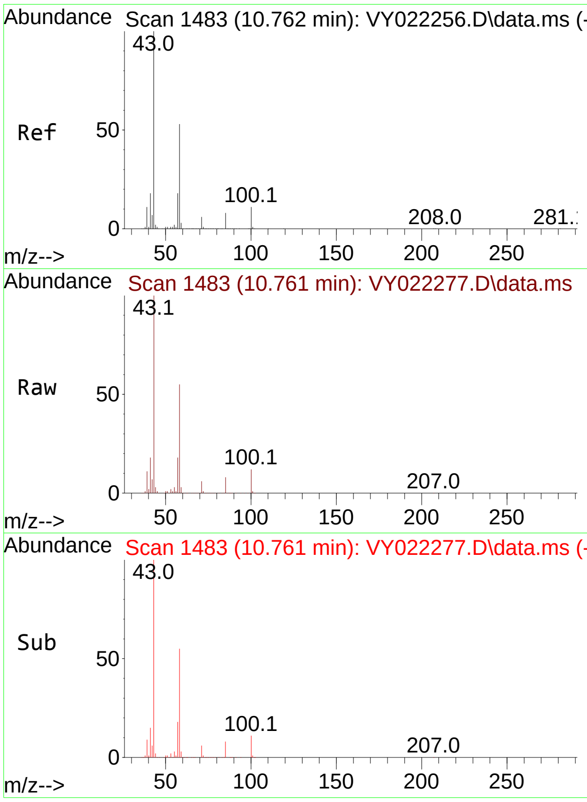
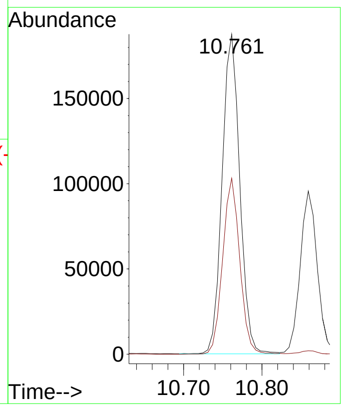
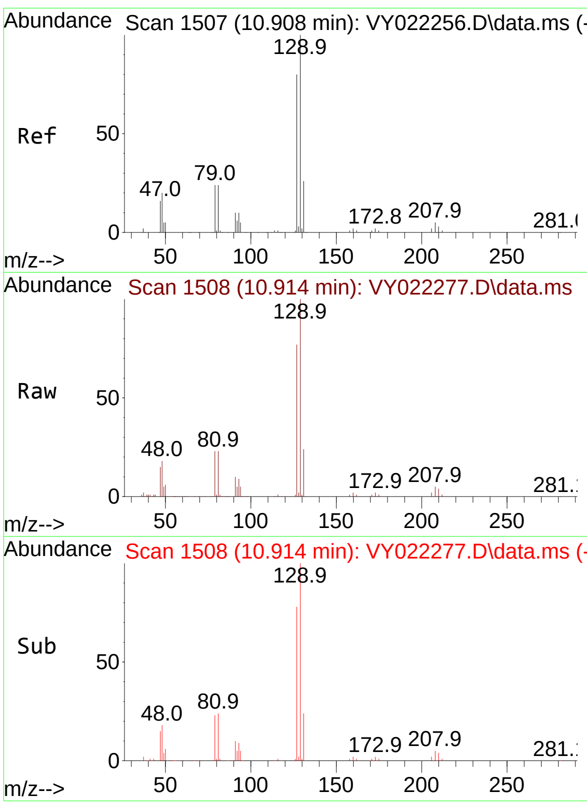


#59
2-Hexanone
Concen: 243.243 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 29436

Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.1	78.3

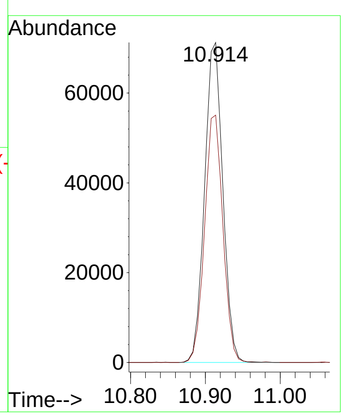


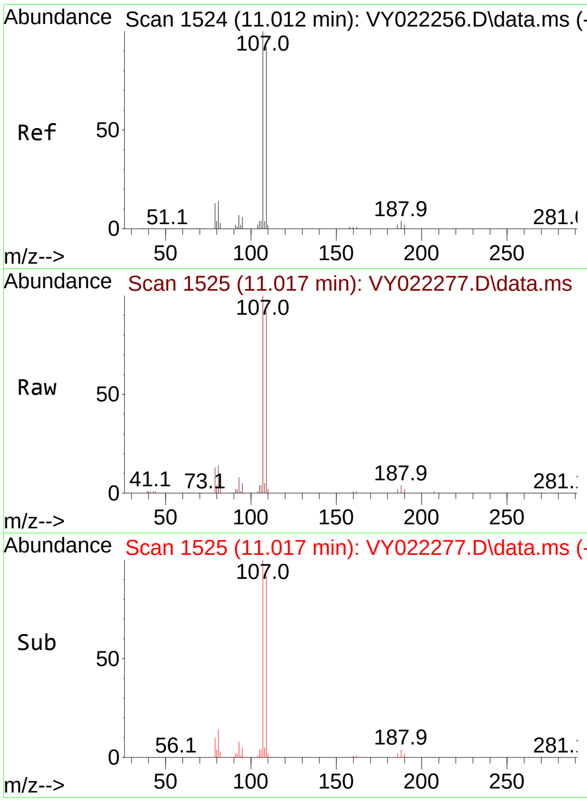


#60
Dibromochloromethane
Concen: 53.672 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:129 Resp: 120550

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7





#61
1,2-Dibromoethane
Concen: 52.685 ug/l
RT: 11.017 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:107 Resp: 84971

Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
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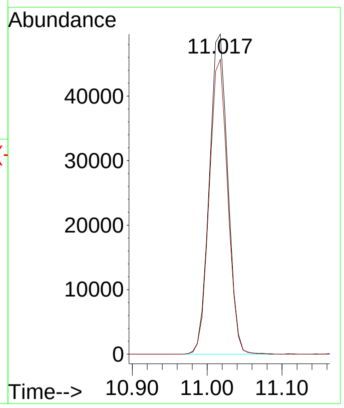
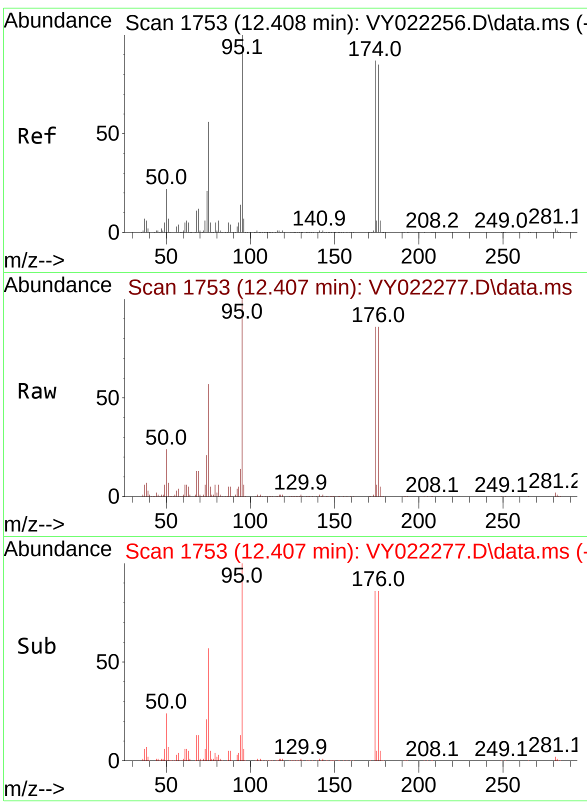
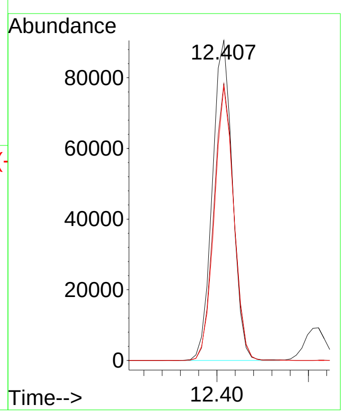




#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 95 Resp: 138475

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	166.8
176	82.6	0.0	160.8



Instrument :
MSVOA_Y
ClientSampleId :
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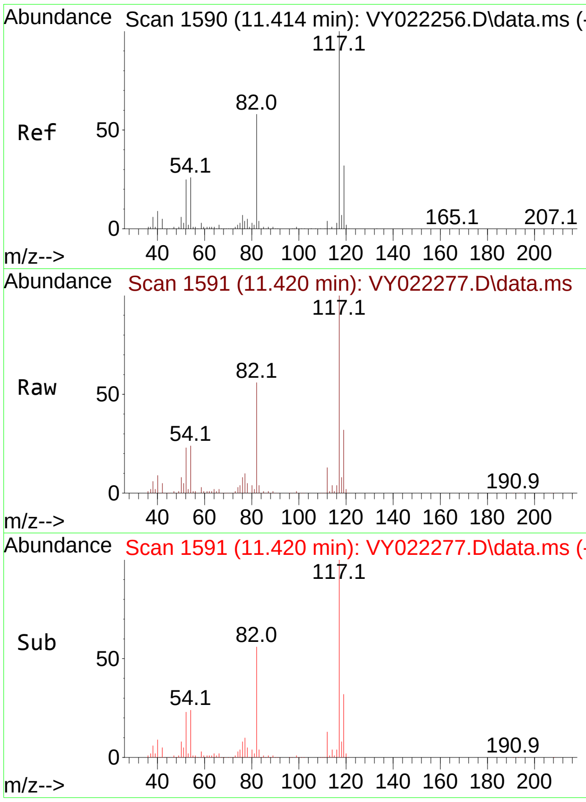
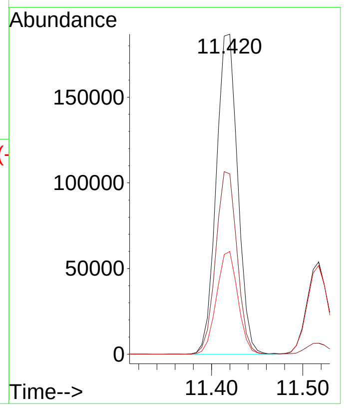
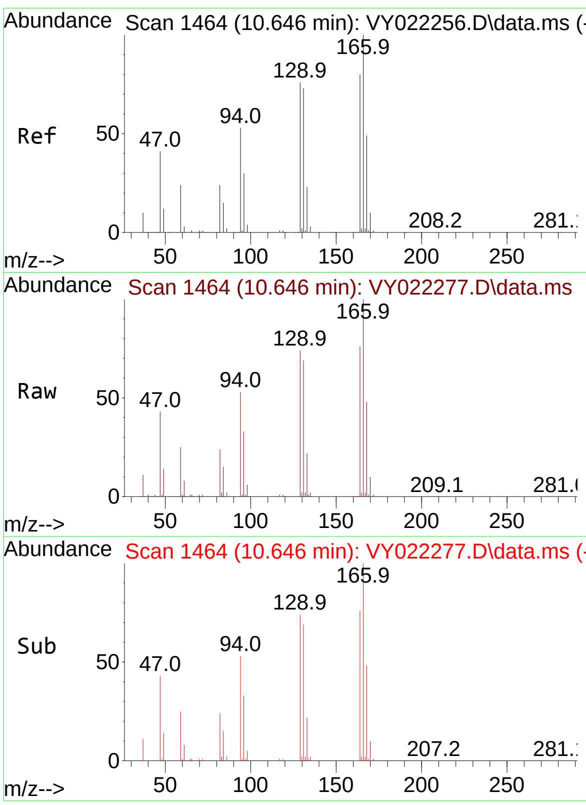


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 30582

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	70.0
119	32.1	25.8	38.6

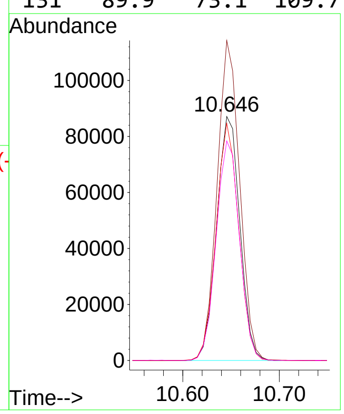




#64
Tetrachloroethene
Concen: 51.645 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:164 Resp: 145990

Ion	Ratio	Lower	Upper
164	100		
166	131.1	100.4	150.6
129	97.2	76.4	114.6
131	89.9	73.1	109.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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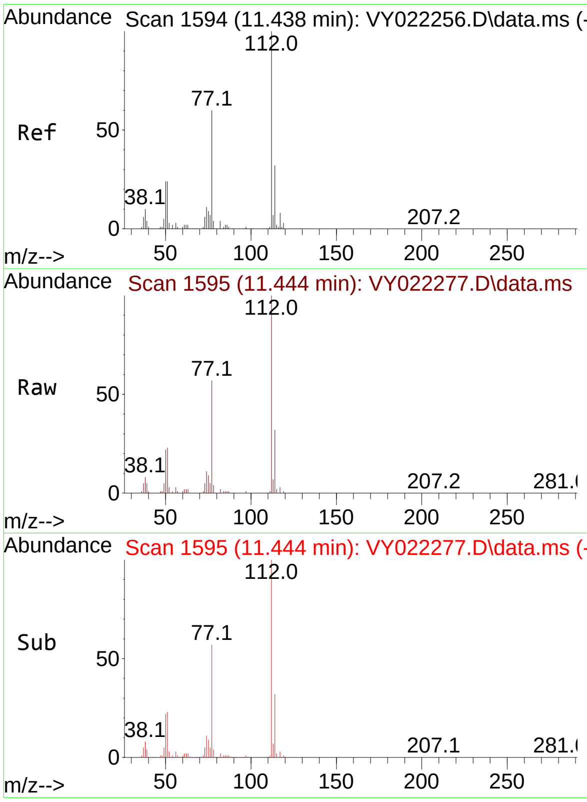
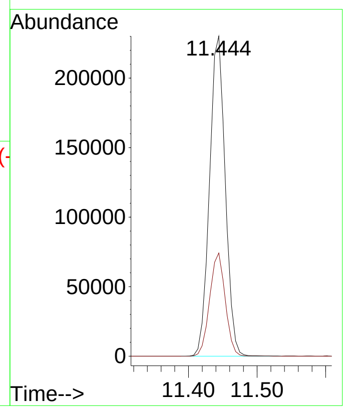
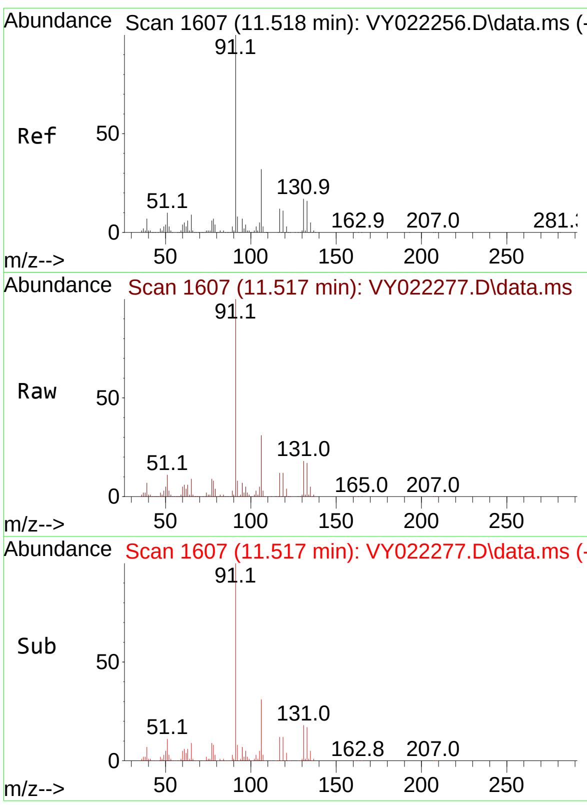


#65
Chlorobenzene
Concen: 53.191 ug/l
RT: 11.444 min Scan# 1!
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:112 Resp: 36700

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

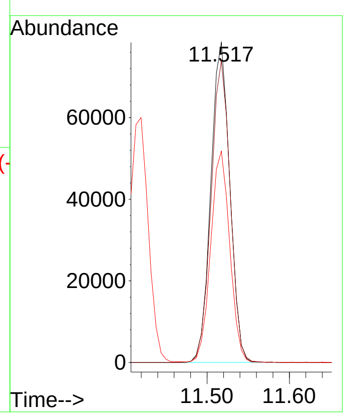




#66
1,1,1,2-Tetrachloroethane
Concen: 52.937 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:131 Resp: 125569

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	66.5	33.1	99.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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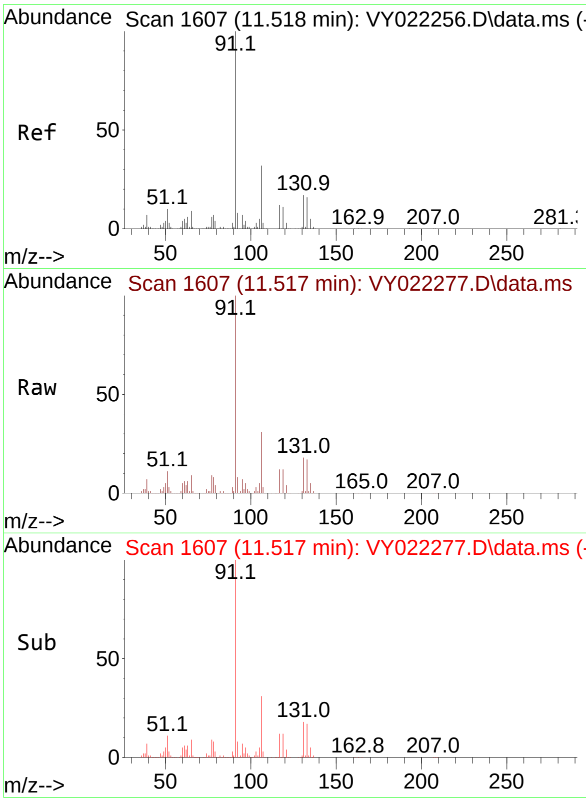
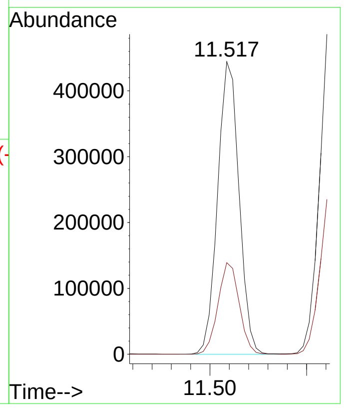
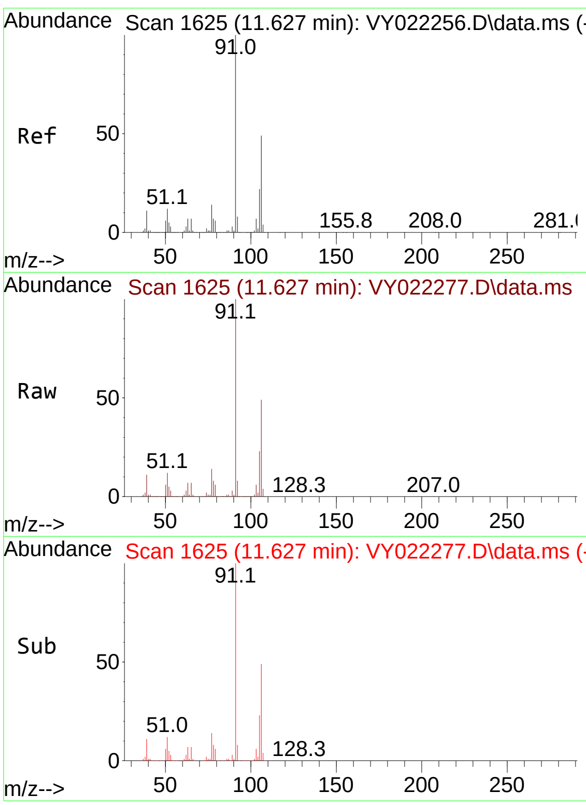


#67
Ethyl Benzene
Concen: 52.887 ug/l
RT: 11.517 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 68340

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.4	38.0

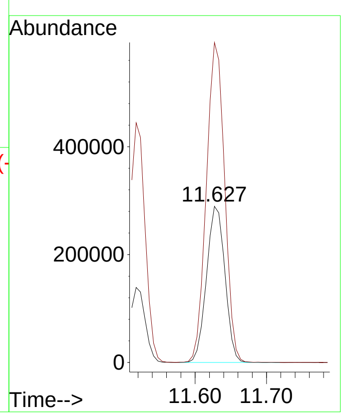




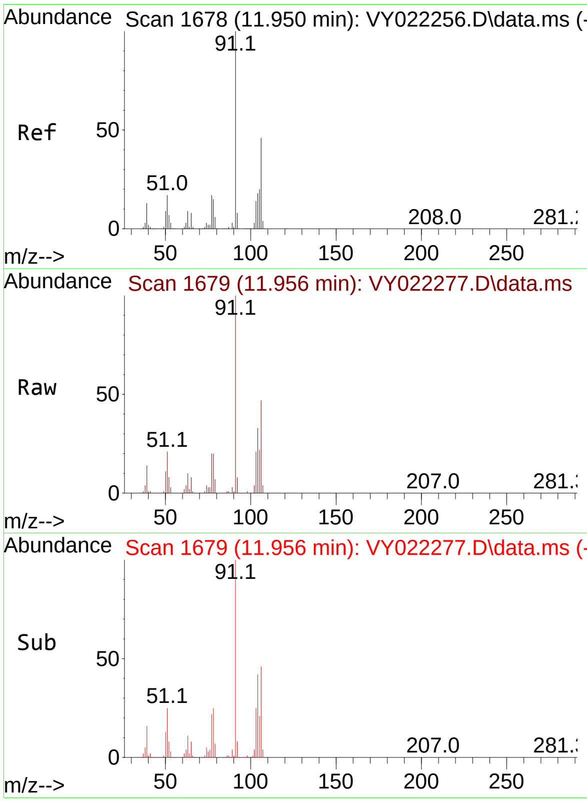
#68
m/p-Xylenes
Concen: 106.465 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:106 Resp: 518397

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.0	244.4



Sample Results: **VY022277.D**



#69
o-Xylene
Concen: 53.401 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:106 Resp: 24601(

Ion	Ratio	Lower	Upper
106	100		
91	213.4	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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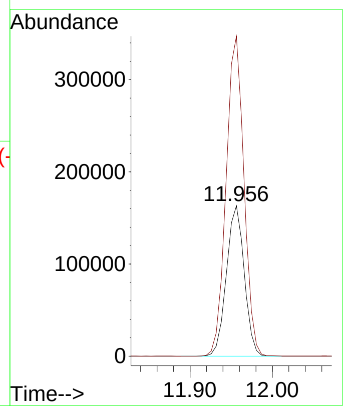
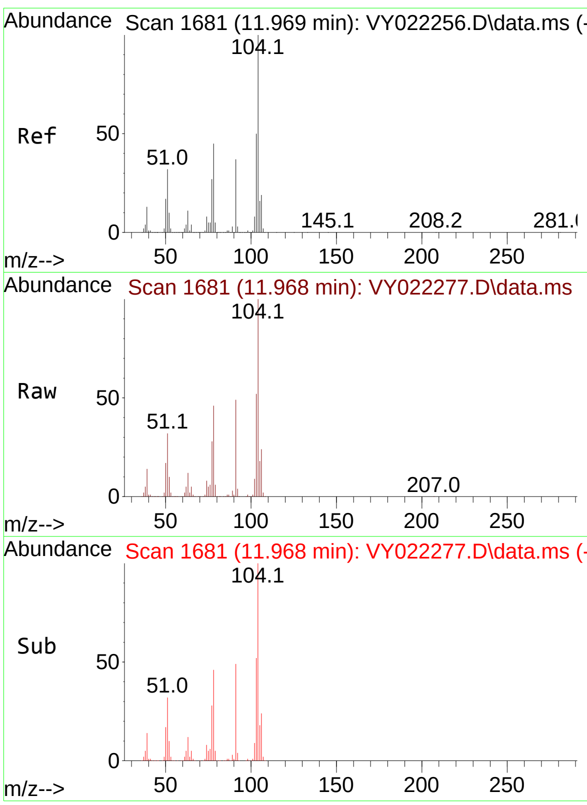
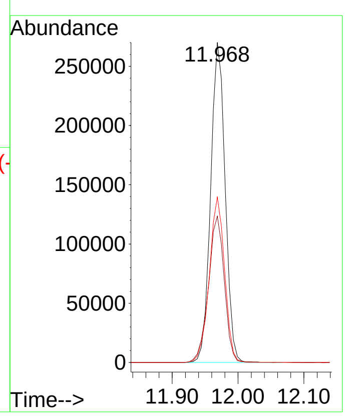




#70
Styrene
Concen: 53.337 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:104 Resp: 414482

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.9	61.3
103	54.7	43.7	65.5



Instrument :
MSVOA_Y
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VSTDCCC050

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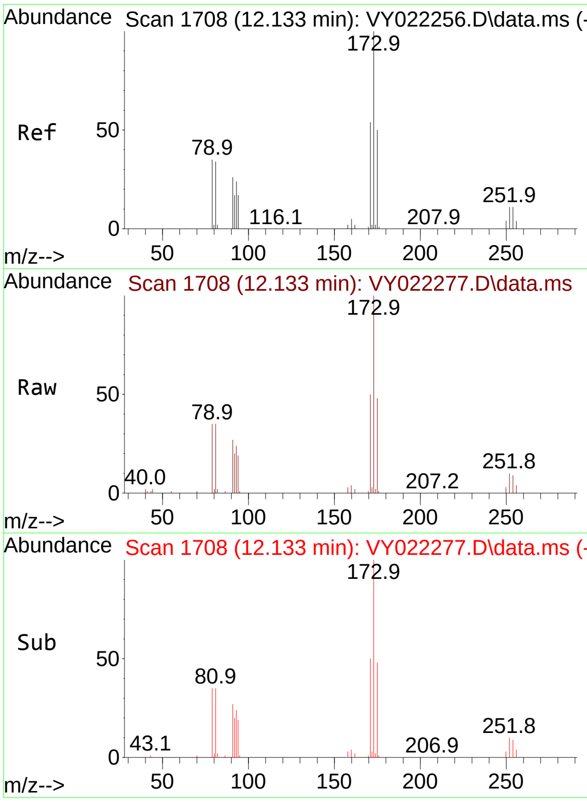
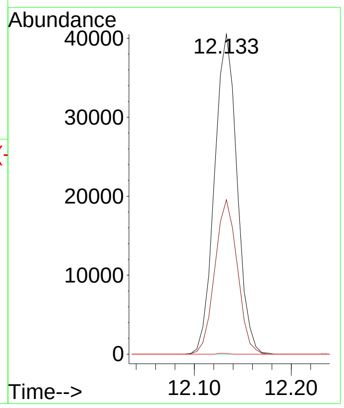
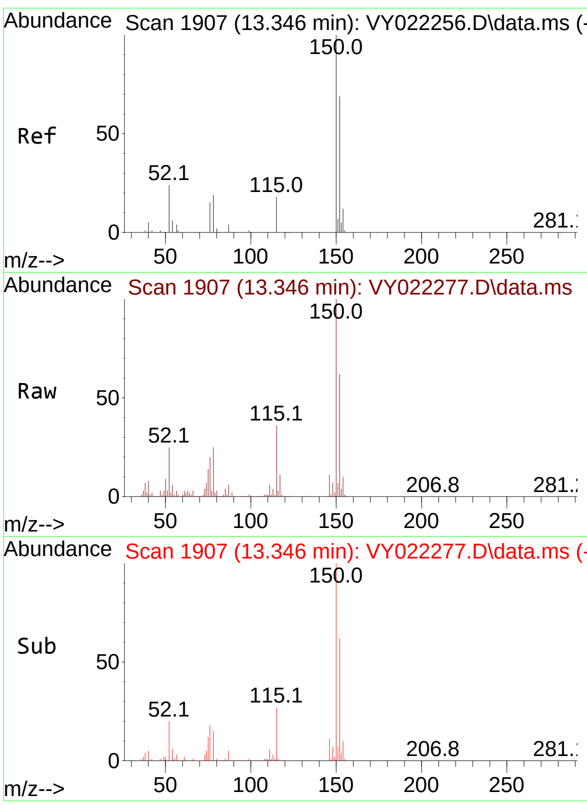


#71
Bromoform
Concen: 51.173 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:173 Resp: 6551

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.0	0.0

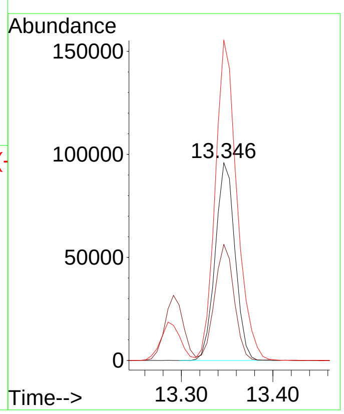


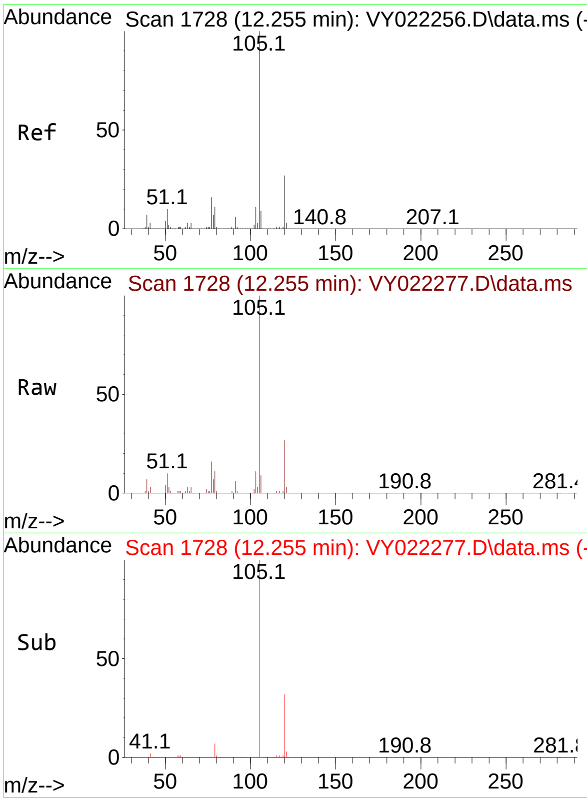


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:152 Resp: 144477

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	177.2	0.0	353.8





#73
Isopropylbenzene
Concen: 53.338 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 63841
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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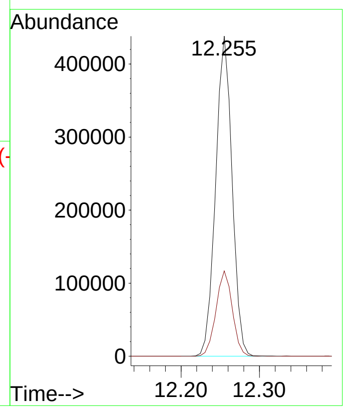
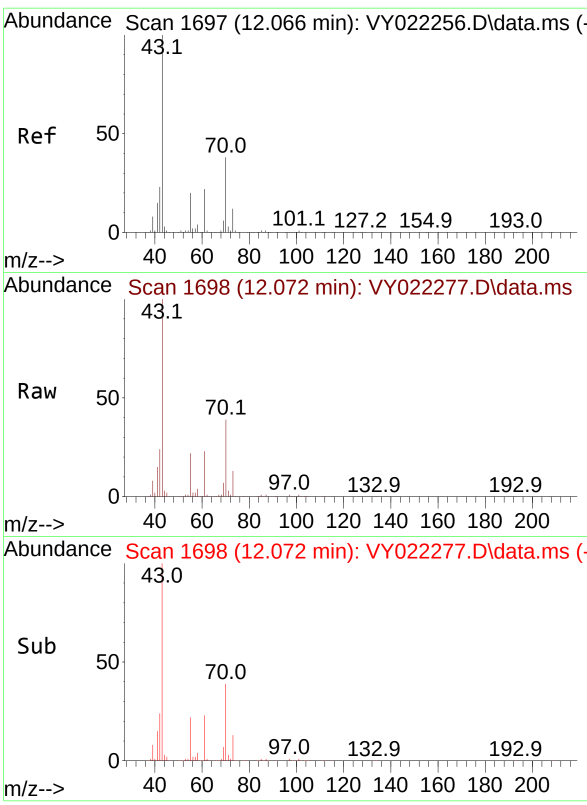
Supervised By :Semsettin Yesilyurt 05/19/2025

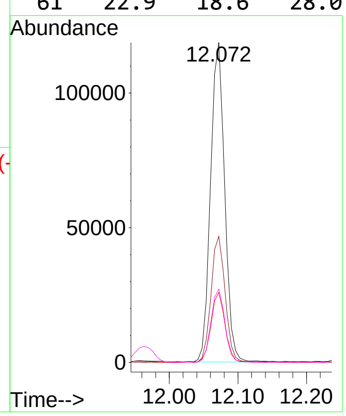


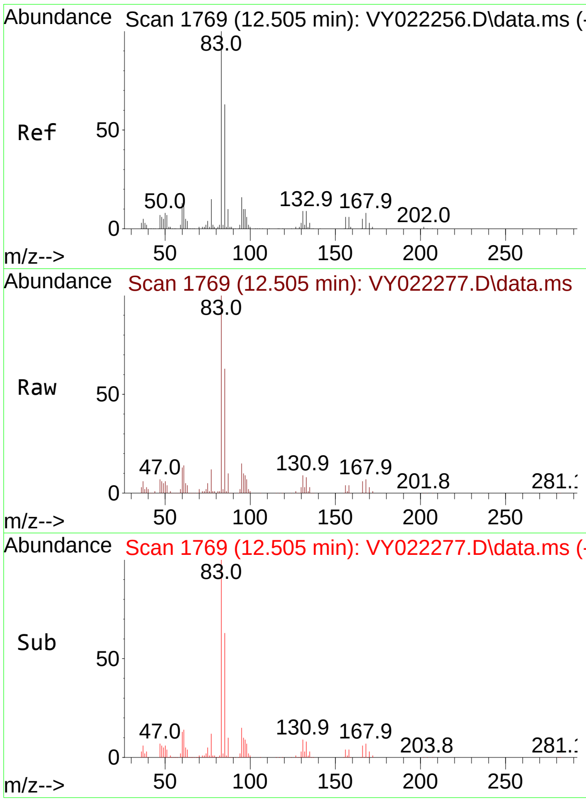


#74
N-amyl acetate
Concen: 49.797 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 170468

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.4	47.0
55	21.3	17.0	25.6
61	22.9	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 51.057 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 9398

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0

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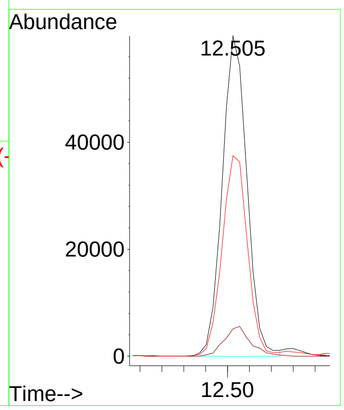
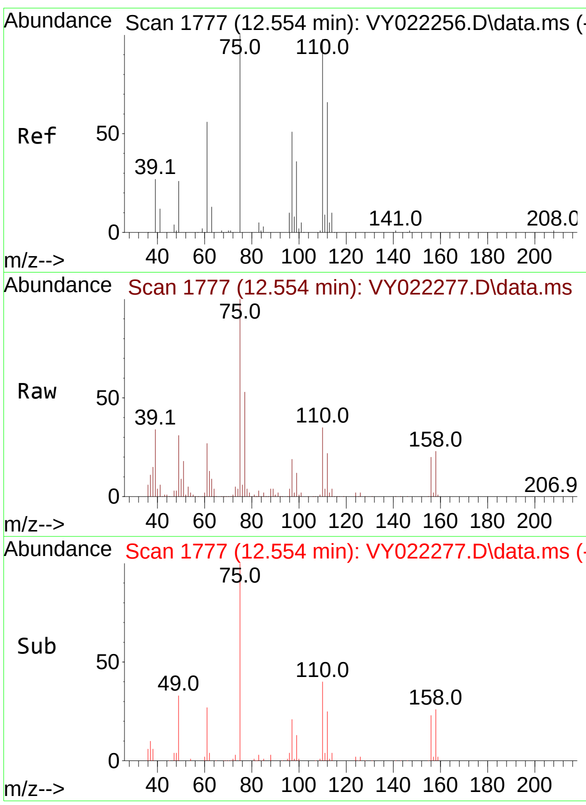
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

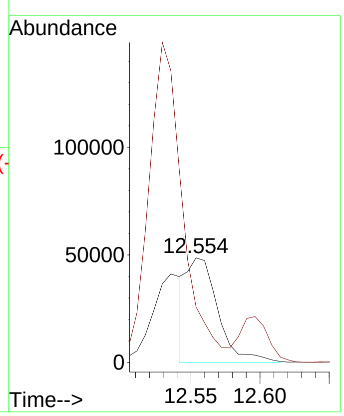




#76
1,2,3-Trichloropropane
Concen: 53.312 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 78033

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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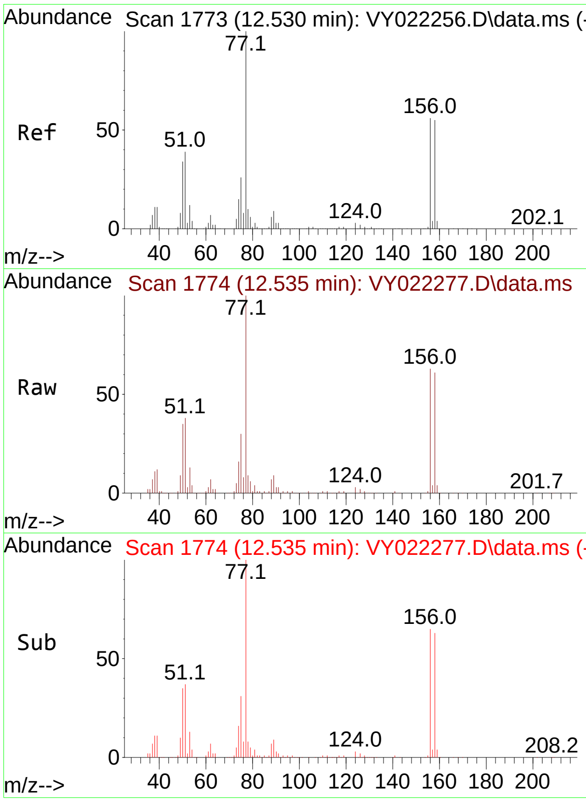
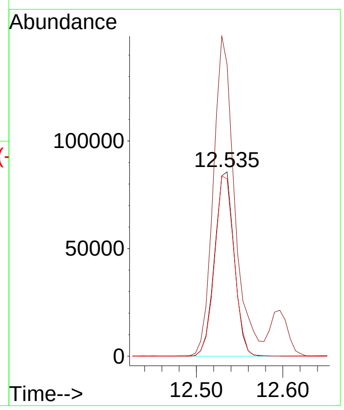
Supervised By :Semsettin Yesilyurt 05/19/2025

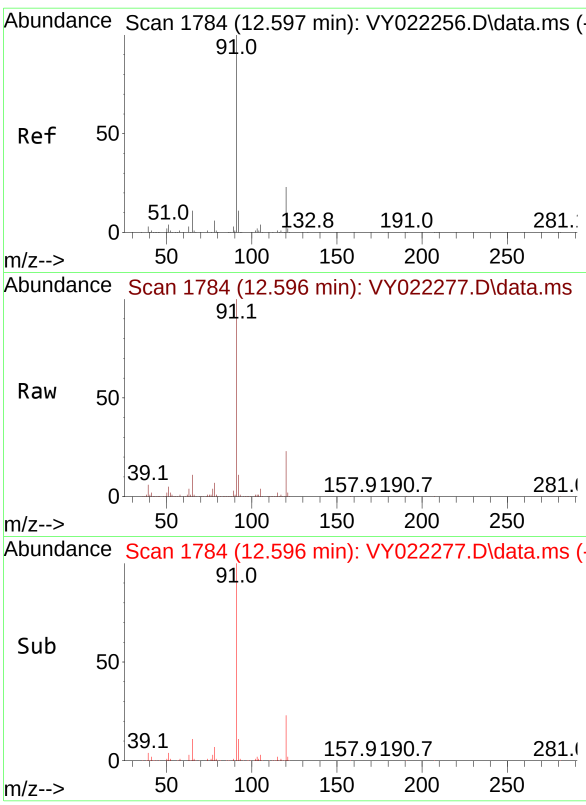


#77
Bromobenzene
Concen: 52.632 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:156 Resp: 13454

Ion	Ratio	Lower	Upper
156	100		
77	189.6	94.5	283.6
158	97.9	48.4	145.3

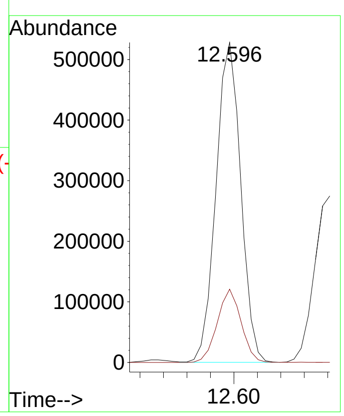




#78
n-propylbenzene
Concen: 53.604 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 773886

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



Sample Results: **VY022277.D**

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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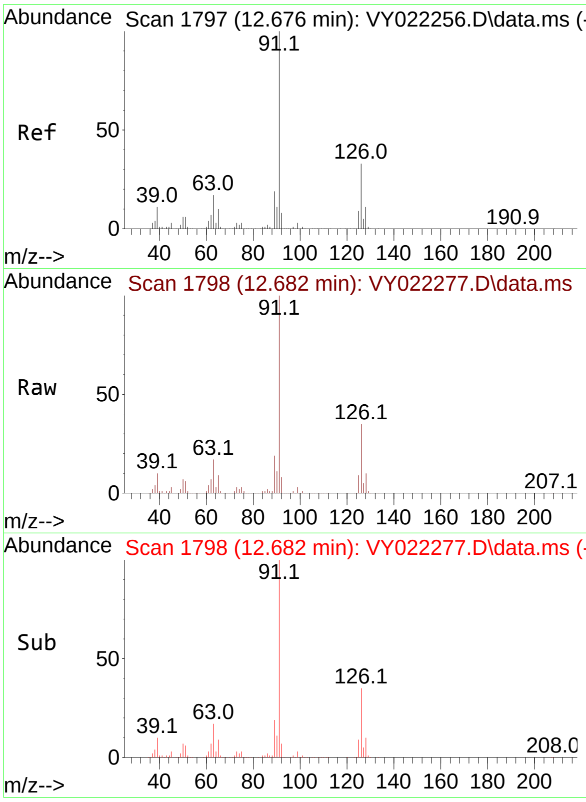
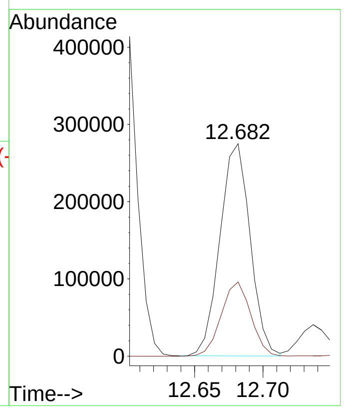
Supervised By :Semsettin Yesilyurt 05/19/2025

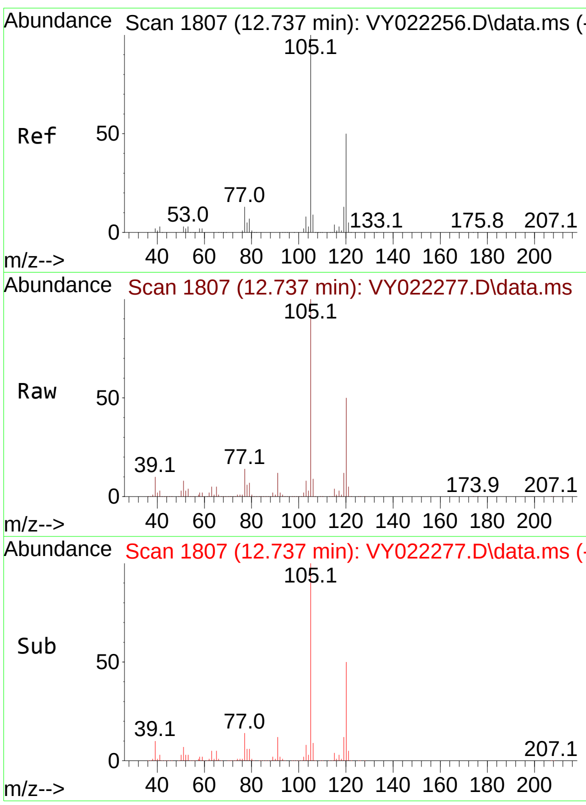


#79
2-Chlorotoluene
Concen: 53.269 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 42262

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.8	50.4

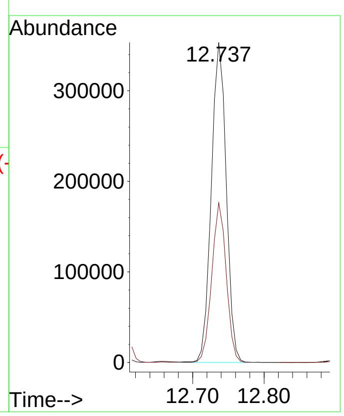


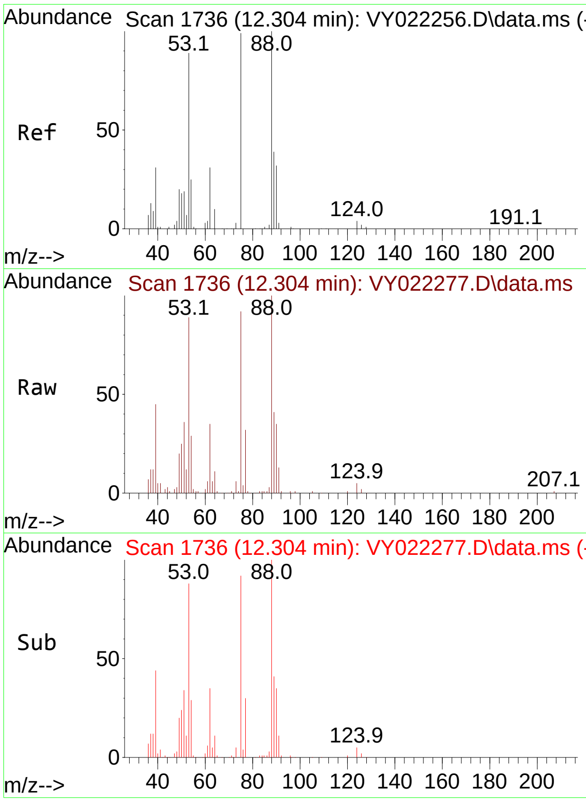


#80
1,3,5-Trimethylbenzene
Concen: 53.075 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 512810

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.601 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 3439

Ion	Ratio	Lower	Upper
75	100		
53	99.2	75.8	113.8
89	45.4	36.2	54.2

Manual Integrations
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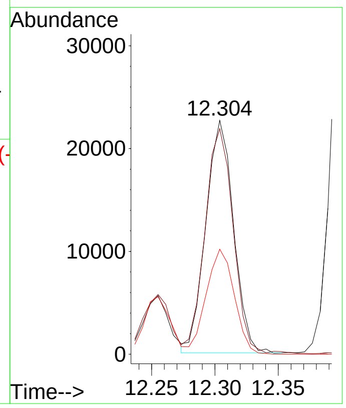
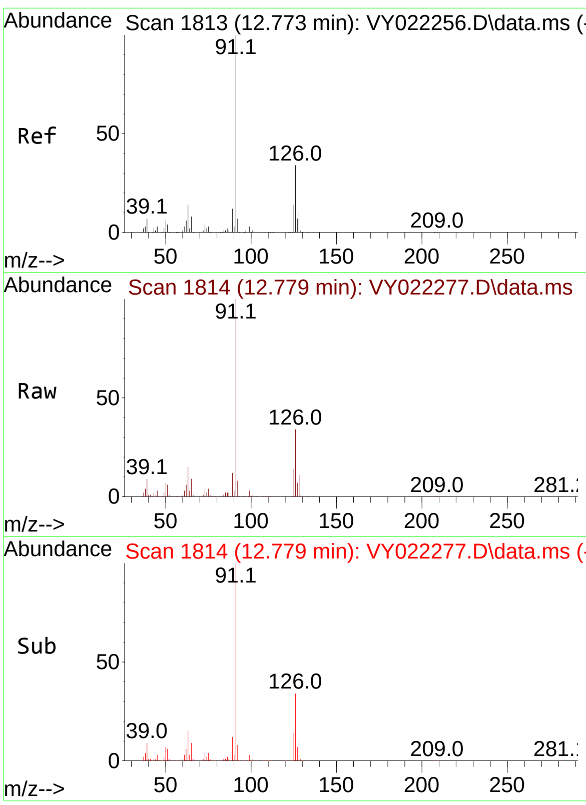
Supervised By :Semsettin Yesilyurt 05/19/2025

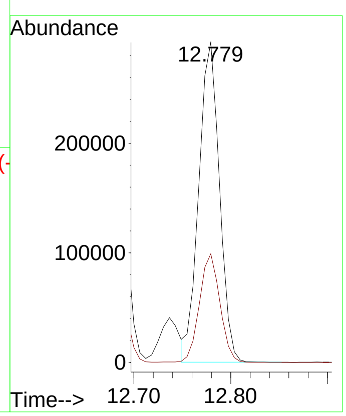


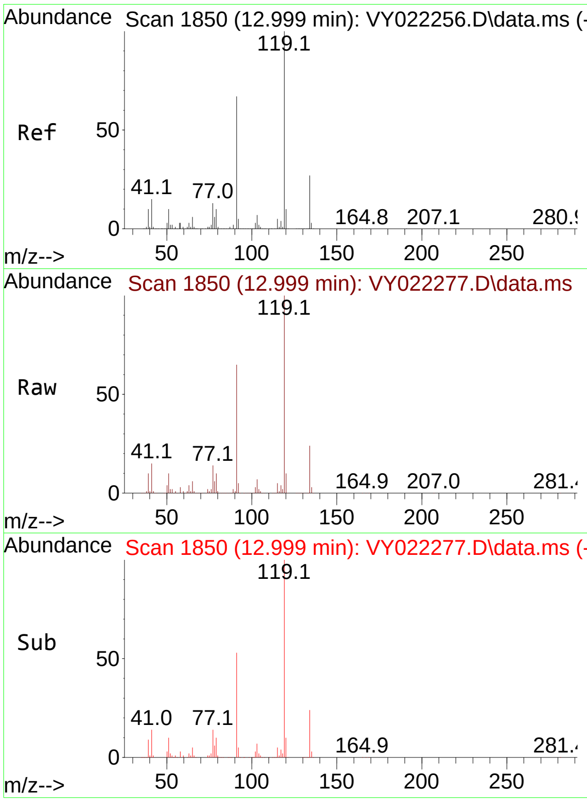


#82
4-Chlorotoluene
Concen: 53.249 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 434539

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4





#83
tert-Butylbenzene
Concen: 52.865 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 453991

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.8	98.3
134	25.7	12.9	38.6

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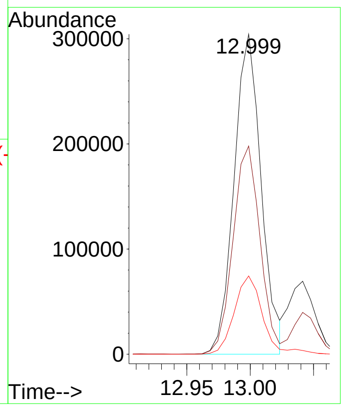
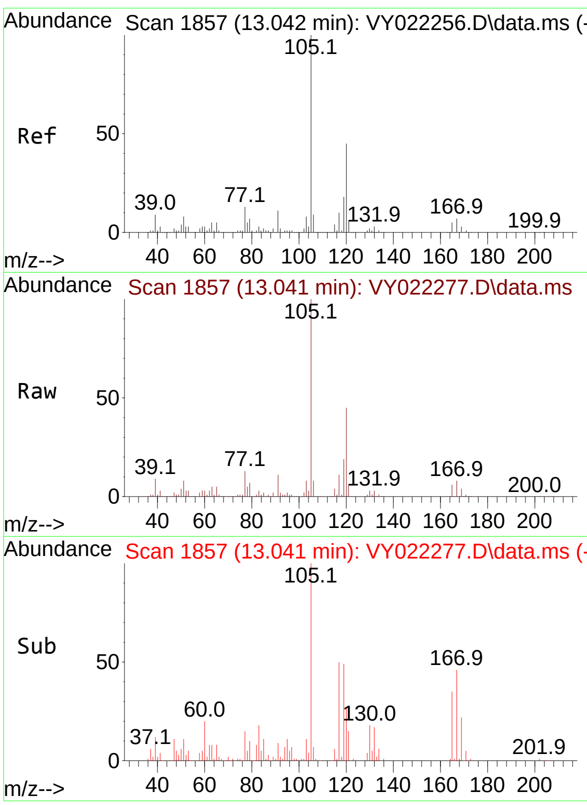
Supervised By :Semsettin Yesilyurt 05/19/2025

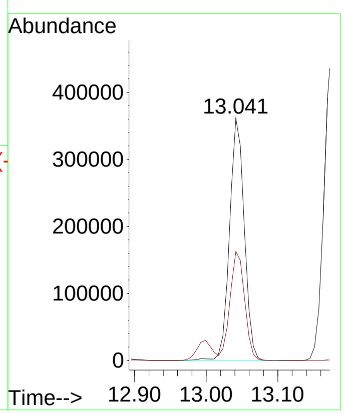




#84
1,2,4-Trimethylbenzene
Concen: 53.733 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 515364

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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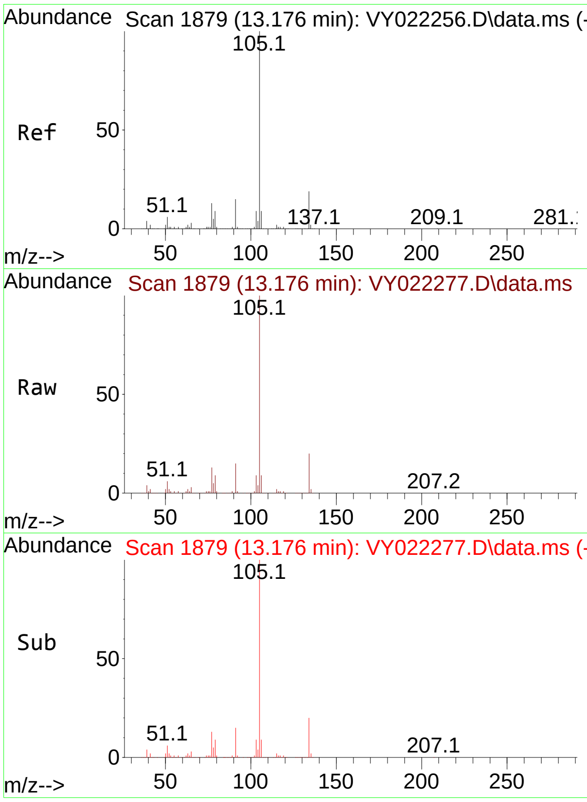
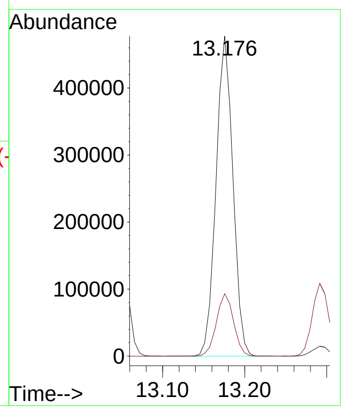
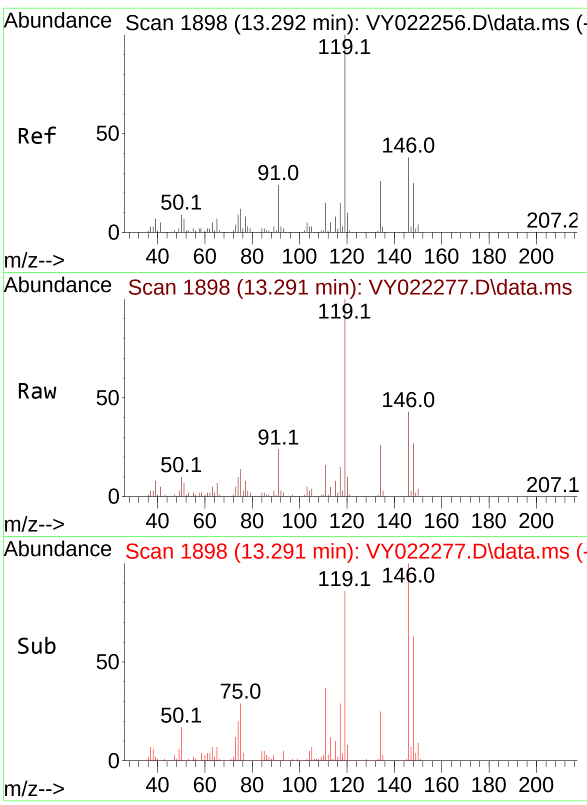


#85
sec-Butylbenzene
Concen: 53.545 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 68258

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

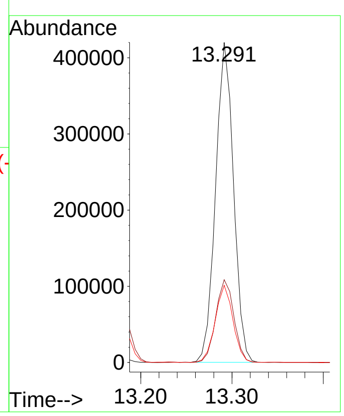




#86
p-Isopropyltoluene
Concen: 53.506 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:119 Resp: 573661

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	23.8	12.1	36.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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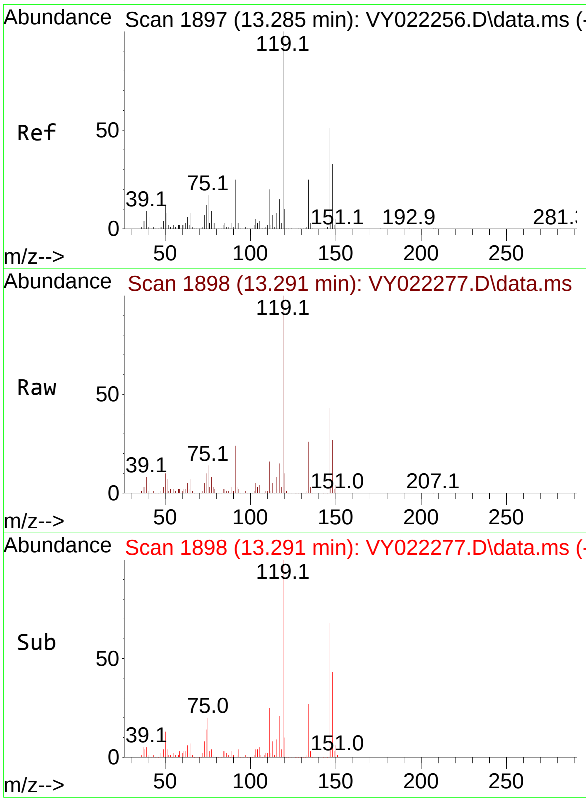
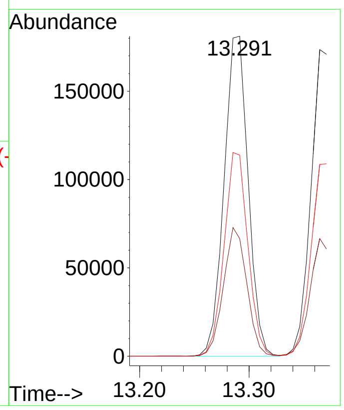
Supervised By :Semsettin Yesilyurt 05/19/2025

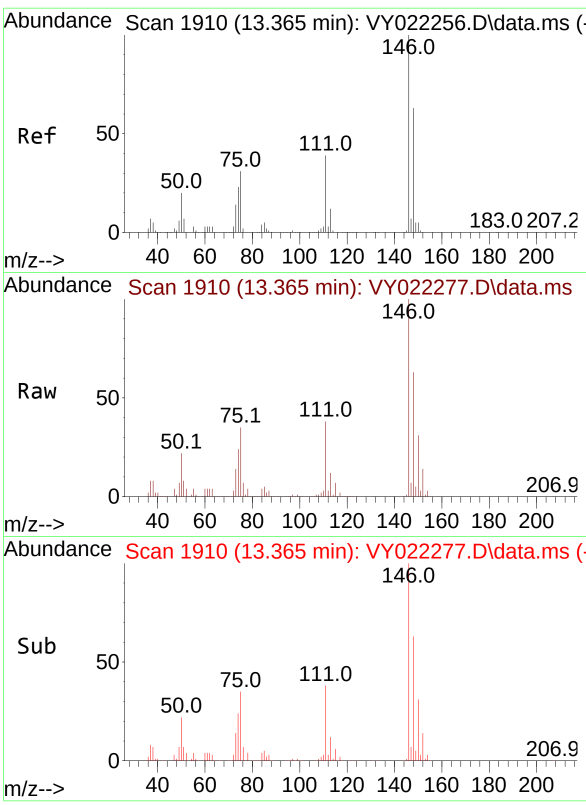


#87
1,3-Dichlorobenzene
Concen: 53.186 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 27756

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	63.0	31.9	95.7

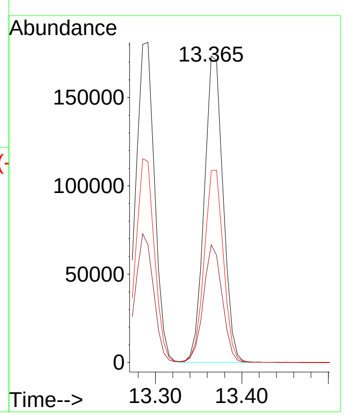




#88
1,4-Dichlorobenzene
Concen: 52.554 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 263812

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.6	32.1	96.5



Sample Results: **VY022277.D**

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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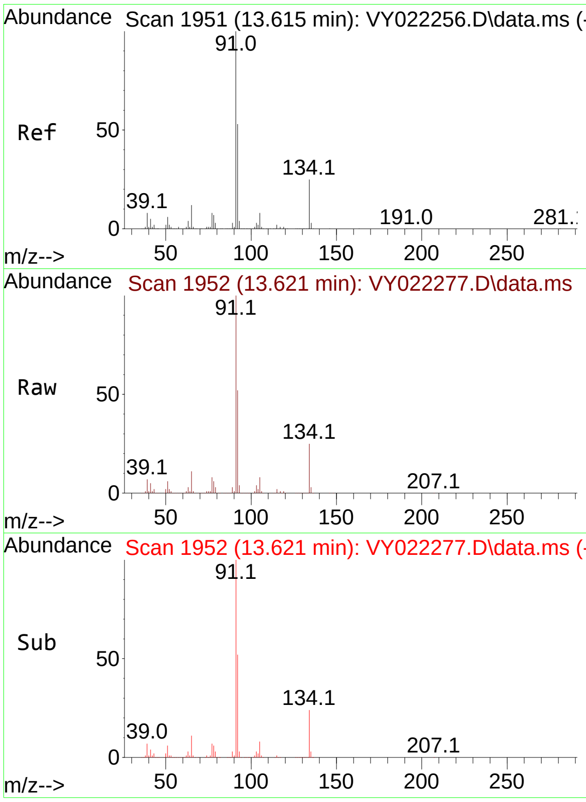
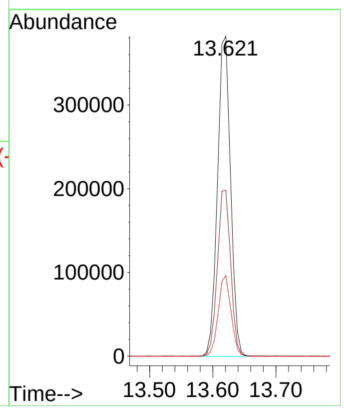
Supervised By :Semsettin Yesilyurt 05/19/2025

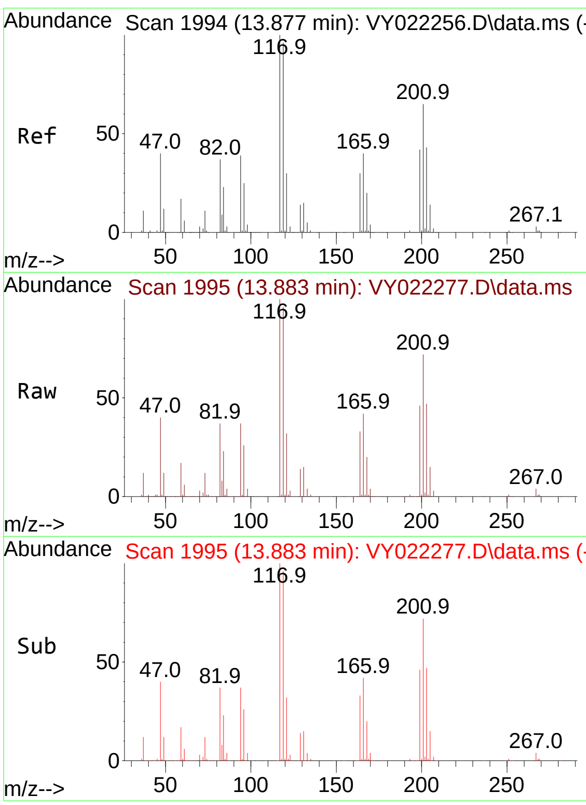


#89
n-Butylbenzene
Concen: 54.360 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 55137

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	24.6	12.4	37.4

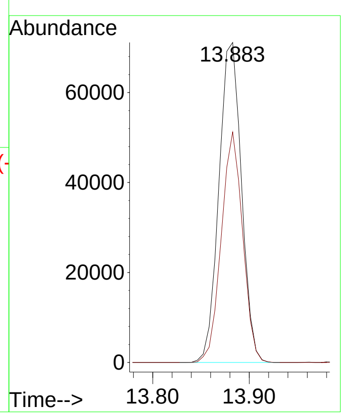




#90
Hexachloroethane
Concen: 53.238 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 115221

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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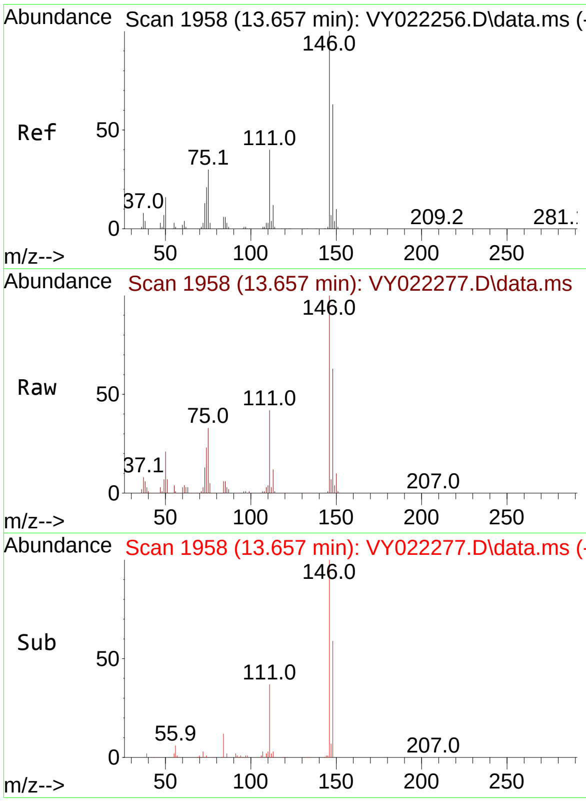
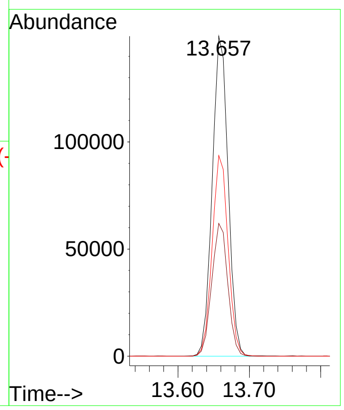
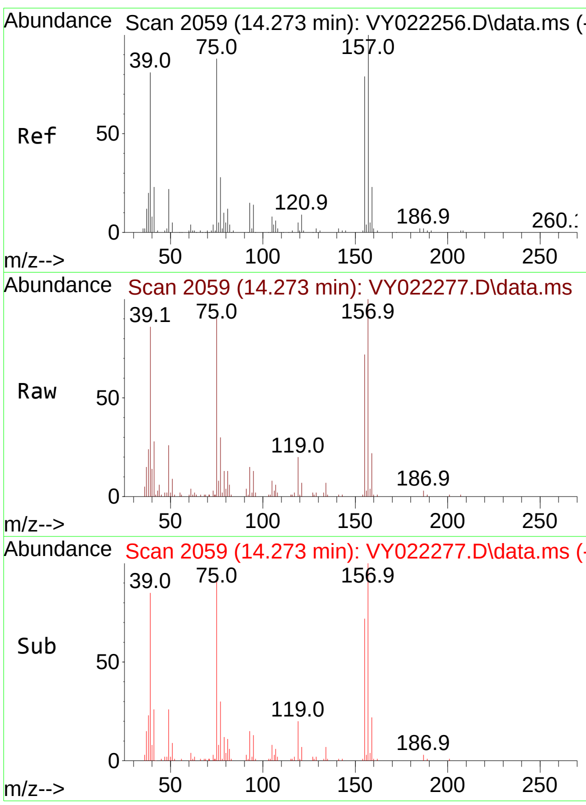


#91
1,2-Dichlorobenzene
Concen: 52.616 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 23064

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	63.0	32.0	96.0

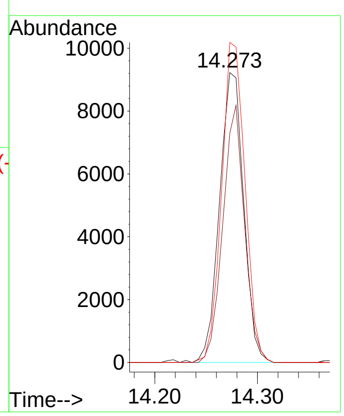


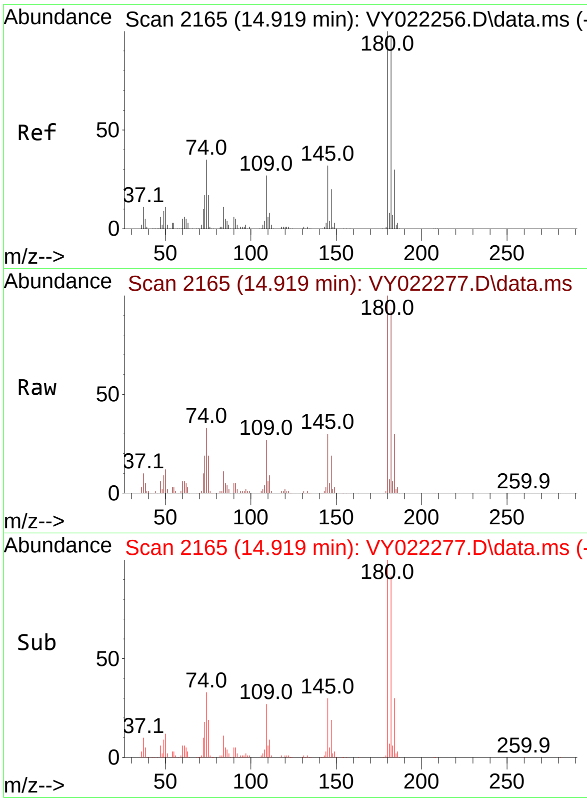


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.767 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 15069

Ion	Ratio	Lower	Upper
75	100		
155	80.0	43.4	130.1
157	106.9	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 52.983 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 13415

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.0
145	29.7	15.0	45.1

Manual Integrations
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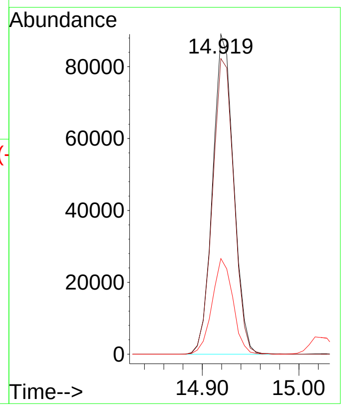
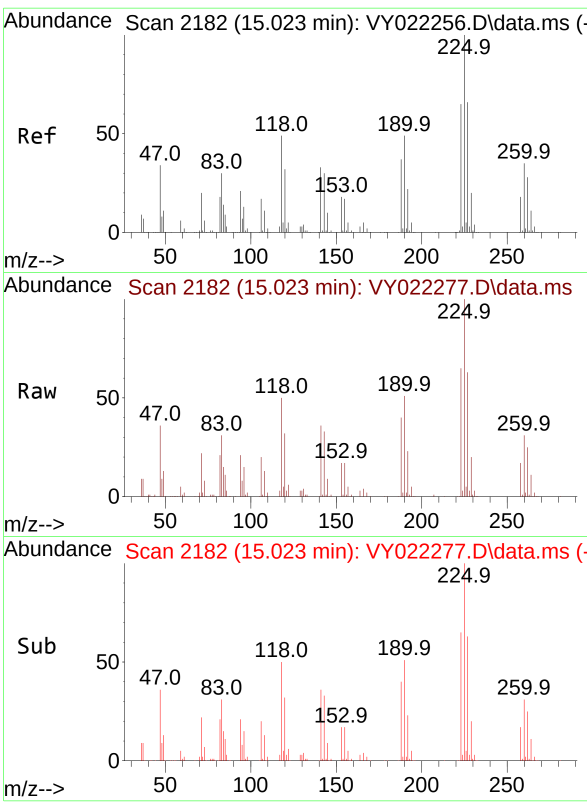
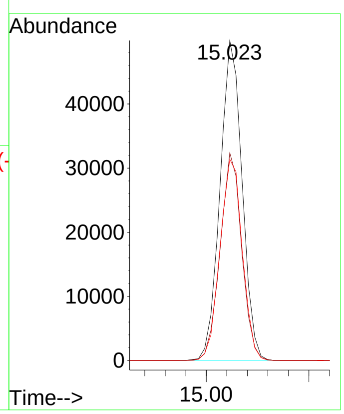




#94
Hexachlorobutadiene
Concen: 52.696 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:225 Resp: 74411

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.5	94.5
227	63.7	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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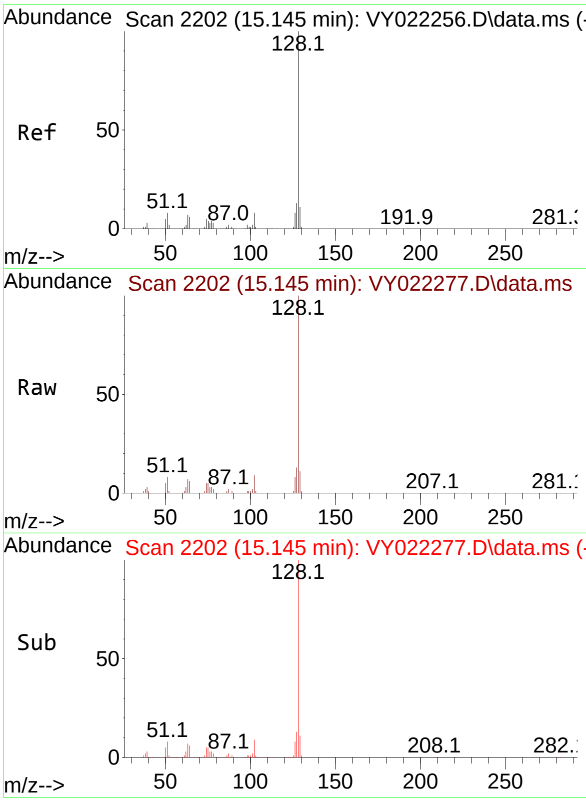
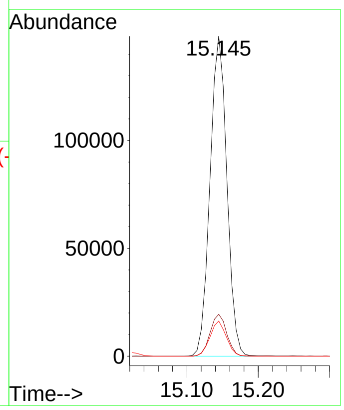
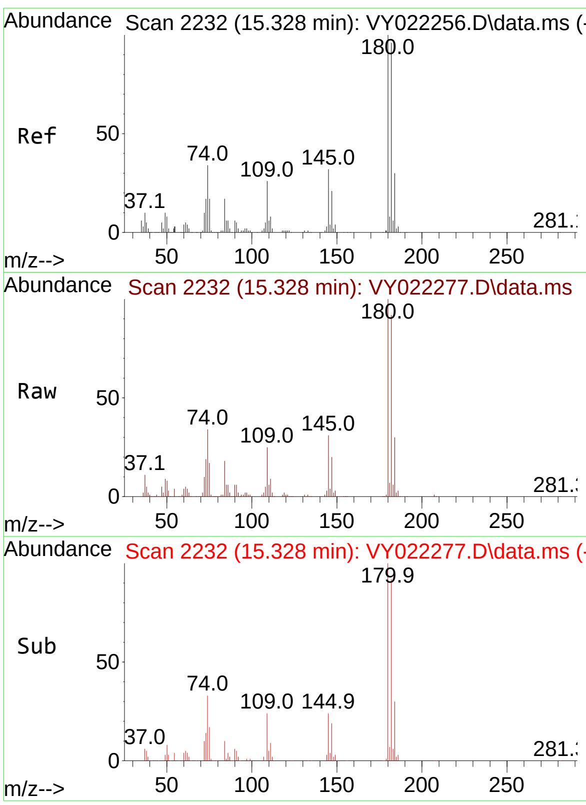



```
#95
Naphthalene
Concen:   50.663 ug/l
RT:  15.145 min  Scan# 2
Delta R.T.  -0.000 min
Lab File:   VY022277.D
Acq: 16 May 2025  08:24

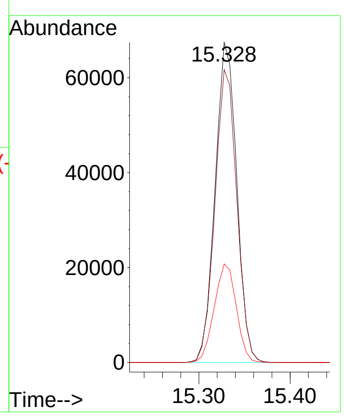
Tgt Ion:128 Resp:  24343
Ion  Ratio  Lower  Upper
128  100
127   12.9   10.2   15.2
129   10.6    8.8   13.2
```






```
#96
1,2,3-Trichlorobenzene
Concen:   51.679 ug/l
RT:  15.328 min  Scan# 2232
Delta R.T.  -0.000 min
Lab File:   VY022277.D
Acq: 16 May 2025  08:24

Tgt Ion:180 Resp:  111008
Ion  Ratio  Lower  Upper
180  100
182   92.6   47.1  141.3
145   31.4   15.9   47.6
```



Sample Results: **VY022277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	80	0.00
2	T	Dichlorodifluoromethane	0.522	0.521	0.2	82	0.00
3	P	Chloromethane	1.097	1.067	2.7	81	0.00
4	C	Vinyl Chloride	1.226	1.343	-9.5#	88	0.00
5	T	Bromomethane	0.998	1.071	-7.3	97	0.00
6	T	Chloroethane	0.763	0.887	-16.3	93	0.00
7	T	Trichlorofluoromethane	1.241	1.308	-5.4	86	0.00
8	T	Diethyl Ether	0.298	0.310	-4.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.569	-5.6	84	0.00
10	T	Methyl Iodide	0.624	0.700	-12.2	81	0.00
11	T	Tert butyl alcohol	0.042	0.040	4.8	83	0.00
12	CM	1,1-Dichloroethene	0.535	0.570	-6.5#	84	0.00
13	T	Acrolein	0.061	0.050	18.0	71	0.00
14	T	Allyl chloride	0.938	0.962	-2.6	80	0.00
15	T	Acrylonitrile	0.123	0.128	-4.1	85	0.00
16	T	Acetone	0.102	0.103	-1.0	88	0.00
17	T	Carbon Disulfide	1.744	1.850	-6.1	84	0.00
18	T	Methyl Acetate	0.323	0.324	-0.3	86	0.00
19	T	Methyl tert-butyl Ether	1.475	1.543	-4.6	84	0.00
20	T	Methylene Chloride	0.662	0.631	4.7	84	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.626	-6.1	84	0.00
22	T	Diisopropyl ether	1.980	2.052	-3.6	82	0.00
23	T	Vinyl Acetate	1.196	1.202	-0.5	82	0.00
24	P	1,1-Dichloroethane	1.106	1.172	-6.0	84	0.00
25	T	2-Butanone	0.171	0.166	2.9	82	0.00
26	T	2,2-Dichloropropane	0.984	1.070	-8.7	86	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.737	-8.2	85	0.00
28	T	Bromochloromethane	0.472	0.487	-3.2	82	0.00
29	T	Tetrahydrofuran	0.110	0.109	0.9	81	0.00
30	C	Chloroform	1.061	1.161	-9.4#	86	0.00
31	T	Cyclohexane	1.105	1.093	1.1	82	0.00
32	T	1,1,1-Trichloroethane	0.974	1.038	-6.6	85	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.552	-1.1	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	83	0.00
36	T	1,1-Dichloropropene	0.492	0.515	-4.7	83	0.00
37	T	Ethyl Acetate	0.237	0.230	3.0	80	0.00
38	T	Carbon Tetrachloride	0.509	0.537	-5.5	84	0.00
39	T	Methylcyclohexane	0.660	0.680	-3.0	82	0.00
40	TM	Benzene	1.457	1.567	-7.5	85	0.00
41	T	Methacrylonitrile	0.157	0.140	10.8	72	0.00
42	TM	1,2-Dichloroethane	0.394	0.417	-5.8	84	0.00
43	T	Isopropyl Acetate	0.516	0.512	0.8	81	0.00
44	TM	Trichloroethene	0.362	0.381	-5.2	83	0.00
45	C	1,2-Dichloropropane	0.351	0.371	-5.7#	84	0.00
46	T	Dibromomethane	0.189	0.197	-4.2	84	0.00
47	T	Bromodichloromethane	0.492	0.533	-8.3	85	0.00
48	T	Methyl methacrylate	0.241	0.239	0.8	81	0.00

Sample Results: **VY022277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	85	0.00
50	S	Toluene-d8	1.222	1.265	-3.5	83	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.250	1.2	80	0.00
52	CM	Toluene	0.923	0.982	-6.4#	84	0.00
53	T	t-1,3-Dichloropropene	0.480	0.500	-4.2	83	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.587	-6.7	85	0.00
55	T	1,1,2-Trichloroethane	0.243	0.254	-4.5	85	0.00
56	T	Ethyl methacrylate	0.378	0.383	-1.3	82	0.00
57	T	1,3-Dichloropropane	0.431	0.453	-5.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.179	-5.3	79	0.00
59	T	2-Hexanone	0.170	0.165	2.9	81	0.00
60	T	Dibromochloromethane	0.315	0.338	-7.3	85	0.00
61	T	1,2-Dibromoethane	0.226	0.238	-5.3	85	0.00
62	S	4-Bromofluorobenzene	0.387	0.388	-0.3	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64	T	Tetrachloroethene	0.462	0.477	-3.2	82	0.00
65	PM	Chlorobenzene	1.128	1.200	-6.4	84	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.411	-5.9	84	0.00
67	C	Ethyl Benzene	2.113	2.235	-5.8#	83	0.00
68	T	m/p-Xylenes	0.796	0.848	-6.5	84	0.00
69	T	o-Xylene	0.753	0.804	-6.8	85	0.00
70	T	Styrene	1.270	1.355	-6.7	84	0.00
71	P	Bromoform	0.209	0.214	-2.4	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73	T	Isopropylbenzene	4.142	4.419	-6.7	84	0.00
74	T	N-amyl acetate	1.185	1.180	0.4	82	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.651	-2.2	83	0.00
76	T	1,2,3-Trichloropropane	0.507	0.540	-6.5	86	0.00
77	T	Bromobenzene	0.885	0.931	-5.2	83	0.00
78	T	n-propylbenzene	4.996	5.356	-7.2	84	0.00
79	T	2-Chlorotoluene	2.746	2.925	-6.5	84	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.549	-6.1	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.238	4.8	81	0.00
82	T	4-Chlorotoluene	2.824	3.008	-6.5	83	0.00
83	T	tert-Butylbenzene	2.972	3.142	-5.7	83	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.567	-7.5	84	0.00
85	T	sec-Butylbenzene	4.412	4.725	-7.1	83	0.00
86	T	p-Isopropyltoluene	3.710	3.971	-7.0	83	0.00
87	T	1,3-Dichlorobenzene	1.806	1.921	-6.4	84	0.00
88	T	1,4-Dichlorobenzene	1.737	1.826	-5.1	84	0.00
89	T	n-Butylbenzene	3.510	3.816	-8.7	83	0.00
90	T	Hexachloroethane	0.749	0.798	-6.5	84	0.00
91	T	1,2-Dichlorobenzene	1.517	1.596	-5.2	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.104	-1.0	84	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.929	-6.1	83	0.00
94	T	Hexachlorobutadiene	0.489	0.515	-5.3	82	0.00
95	T	Naphthalene	1.663	1.685	-1.3	82	0.00

Sample Results: **VY022277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.768	-3.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	80	0.00
2	T	Dichlorodifluoromethane	50.000	49.923	0.2	82	0.00
3	P	Chloromethane	50.000	48.598	2.8	81	0.00
4	C	Vinyl Chloride	50.000	54.773	-9.5#	88	0.00
5	T	Bromomethane	50.000	53.635	-7.3	97	0.00
6	T	Chloroethane	50.000	58.123	-16.2	93	0.00
7	T	Trichlorofluoromethane	50.000	52.672	-5.3	86	0.00
8	T	Diethyl Ether	50.000	51.977	-4.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.824	-5.6	84	0.00
10	T	Methyl Iodide	50.000	56.117	-12.2	81	0.00
11	T	Tert butyl alcohol	250.000	241.730	3.3	83	0.00
12	CM	1,1-Dichloroethene	50.000	53.251	-6.5#	84	0.00
13	T	Acrolein	250.000	204.899	18.0	71	0.00
14	T	Allyl chloride	50.000	51.302	-2.6	80	0.00
15	T	Acrylonitrile	250.000	259.711	-3.9	85	0.00
16	T	Acetone	250.000	250.886	-0.4	88	0.00
17	T	Carbon Disulfide	50.000	53.042	-6.1	84	0.00
18	T	Methyl Acetate	50.000	50.215	-0.4	86	0.00
19	T	Methyl tert-butyl Ether	50.000	52.321	-4.6	84	0.00
20	T	Methylene Chloride	50.000	47.645	4.7	84	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.998	-6.0	84	0.00
22	T	Diisopropyl ether	50.000	51.810	-3.6	82	0.00
23	T	Vinyl Acetate	250.000	251.128	-0.5	82	0.00
24	P	1,1-Dichloroethane	50.000	52.970	-5.9	84	0.00
25	T	2-Butanone	250.000	242.624	3.0	82	0.00
26	T	2,2-Dichloropropane	50.000	54.384	-8.8	86	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.093	-8.2	85	0.00
28	T	Bromochloromethane	50.000	51.625	-3.3	82	0.00
29	T	Tetrahydrofuran	250.000	246.422	1.4	81	0.00
30	C	Chloroform	50.000	54.713	-9.4#	86	0.00
31	T	Cyclohexane	50.000	49.457	1.1	82	0.00
32	T	1,1,1-Trichloroethane	50.000	53.304	-6.6	85	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.505	-1.0	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	51.525	-3.0	83	0.00
36	T	1,1-Dichloropropene	50.000	52.341	-4.7	83	0.00
37	T	Ethyl Acetate	50.000	48.715	2.6	80	0.00
38	T	Carbon Tetrachloride	50.000	52.737	-5.5	84	0.00
39	T	Methylcyclohexane	50.000	51.496	-3.0	82	0.00
40	TM	Benzene	50.000	53.771	-7.5	85	0.00
41	T	Methacrylonitrile	50.000	44.718	10.6	72	0.00
42	TM	1,2-Dichloroethane	50.000	52.870	-5.7	84	0.00
43	T	Isopropyl Acetate	50.000	49.654	0.7	81	0.00
44	TM	Trichloroethene	50.000	52.539	-5.1	83	0.00
45	C	1,2-Dichloropropane	50.000	52.735	-5.5#	84	0.00
46	T	Dibromomethane	50.000	51.869	-3.7	84	0.00
47	T	Bromodichloromethane	50.000	54.169	-8.3	85	0.00
48	T	Methyl methacrylate	50.000	49.534	0.9	81	0.00

Sample Results: **VY022277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1001.752	-0.2	85	0.00
50	S	Toluene-d8	50.000	51.731	-3.5	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	247.383	1.0	80	0.00
52	CM	Toluene	50.000	53.192	-6.4#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	52.062	-4.1	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.441	-6.9	85	0.00
55	T	1,1,2-Trichloroethane	50.000	52.364	-4.7	85	0.00
56	T	Ethyl methacrylate	50.000	50.626	-1.3	82	0.00
57	T	1,3-Dichloropropane	50.000	52.534	-5.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.967	-5.6	79	0.00
59	T	2-Hexanone	250.000	243.243	2.7	81	0.00
60	T	Dibromochloromethane	50.000	53.672	-7.3	85	0.00
61	T	1,2-Dibromoethane	50.000	52.685	-5.4	85	0.00
62	S	4-Bromofluorobenzene	50.000	50.120	-0.2	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64	T	Tetrachloroethene	50.000	51.645	-3.3	82	0.00
65	PM	Chlorobenzene	50.000	53.191	-6.4	84	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.937	-5.9	84	0.00
67	C	Ethyl Benzene	50.000	52.887	-5.8#	83	0.00
68	T	m/p-Xylenes	100.000	106.465	-6.5	84	0.00
69	T	o-Xylene	50.000	53.401	-6.8	85	0.00
70	T	Styrene	50.000	53.337	-6.7	84	0.00
71	P	Bromoform	50.000	51.173	-2.3	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73	T	Isopropylbenzene	50.000	53.338	-6.7	84	0.00
74	T	N-amyl acetate	50.000	49.797	0.4	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.057	-2.1	83	0.00
76	T	1,2,3-Trichloropropane	50.000	53.312	-6.6	86	0.00
77	T	Bromobenzene	50.000	52.632	-5.3	83	0.00
78	T	n-propylbenzene	50.000	53.604	-7.2	84	0.00
79	T	2-Chlorotoluene	50.000	53.269	-6.5	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.075	-6.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.601	4.8	81	0.00
82	T	4-Chlorotoluene	50.000	53.249	-6.5	83	0.00
83	T	tert-Butylbenzene	50.000	52.865	-5.7	83	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.733	-7.5	84	0.00
85	T	sec-Butylbenzene	50.000	53.545	-7.1	83	0.00
86	T	p-Isopropyltoluene	50.000	53.506	-7.0	83	0.00
87	T	1,3-Dichlorobenzene	50.000	53.186	-6.4	84	0.00
88	T	1,4-Dichlorobenzene	50.000	52.554	-5.1	84	0.00
89	T	n-Butylbenzene	50.000	54.360	-8.7	83	0.00
90	T	Hexachloroethane	50.000	53.238	-6.5	84	0.00
91	T	1,2-Dichlorobenzene	50.000	52.616	-5.2	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.767	-1.5	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.983	-6.0	83	0.00
94	T	Hexachlorobutadiene	50.000	52.696	-5.4	82	0.00
95	T	Naphthalene	50.000	50.663	-1.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.679	-3.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

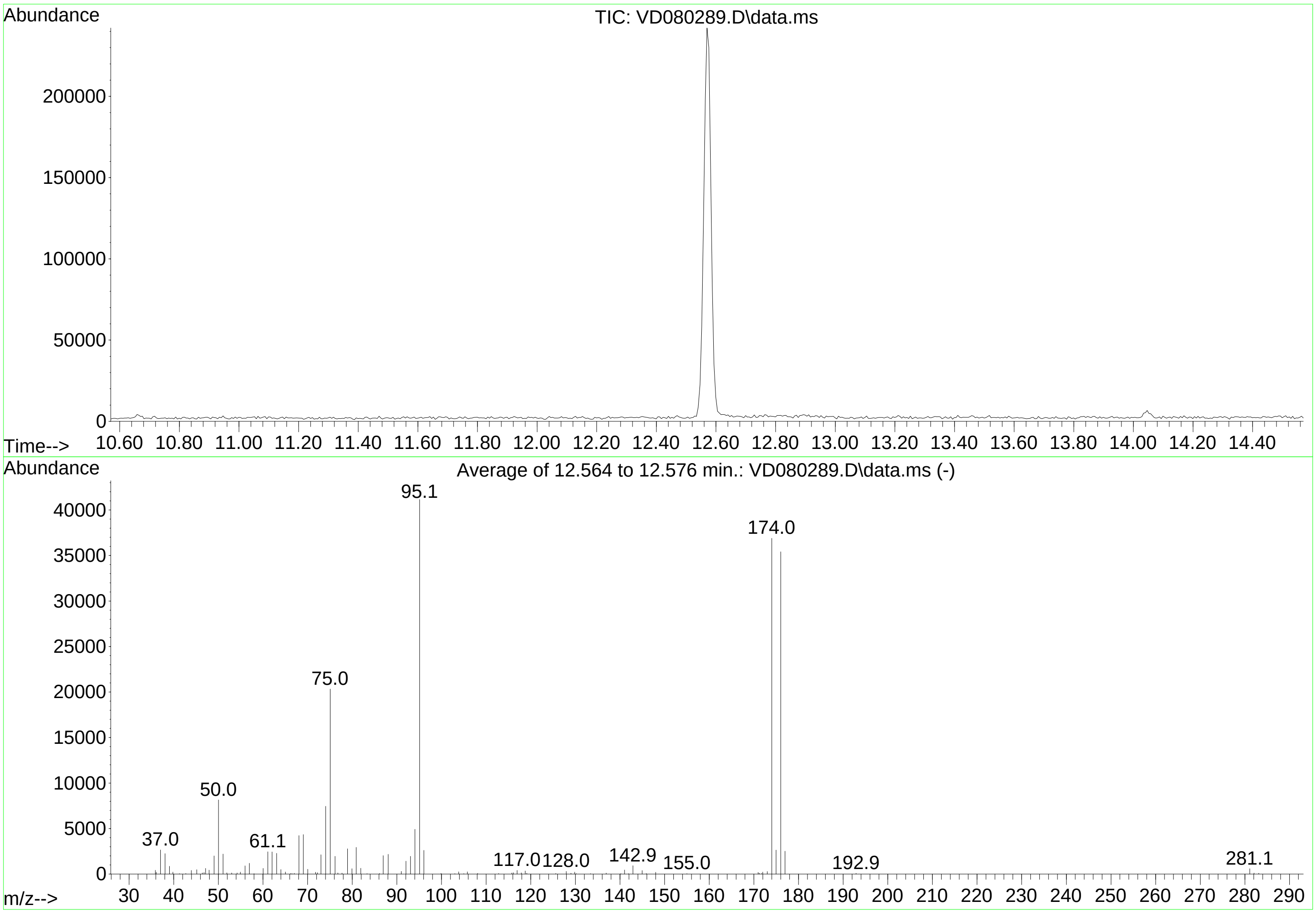
QC SAMPLE DATA

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
Data File : VD080289.D
Acq On    : 06 May 2025  09:57
Operator  : RP/MD
Sample    : BFB
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 1   Sample Multiplier: 1

Integration File: RTEINT.P

Method    : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Title     : SW846 8260
Last Update  : Wed May 07 08:57:11 2025
```

Instrument :
MSVOA_D
ClientSampleId :
BFB



AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1827

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	8144	PASS
75	95	30	60	49.4	20333	PASS
95	95	100	100	100.0	41160	PASS
96	95	5	9	6.3	2612	PASS
173	174	0.00	2	0.8	289	PASS
174	95	50	100	89.6	36896	PASS
175	174	5	9	7.2	2640	PASS
176	174	95	101	96.0	35413	PASS
177	176	5	9	7.1	2518	PASS

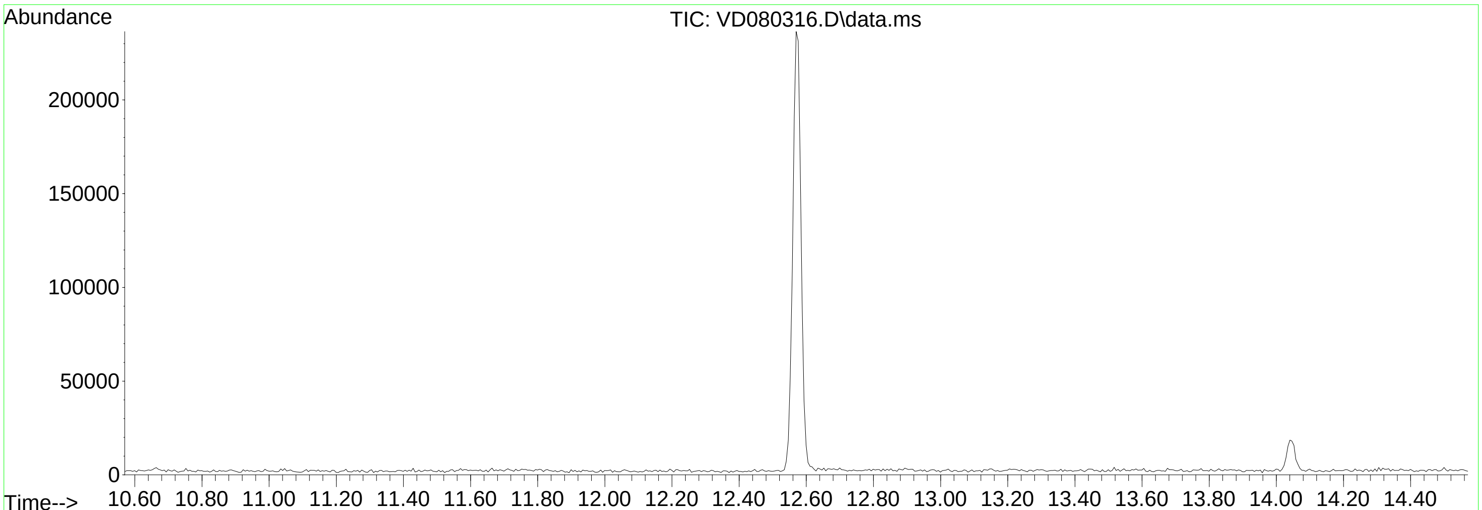
Sample Results: **VD080316.D**

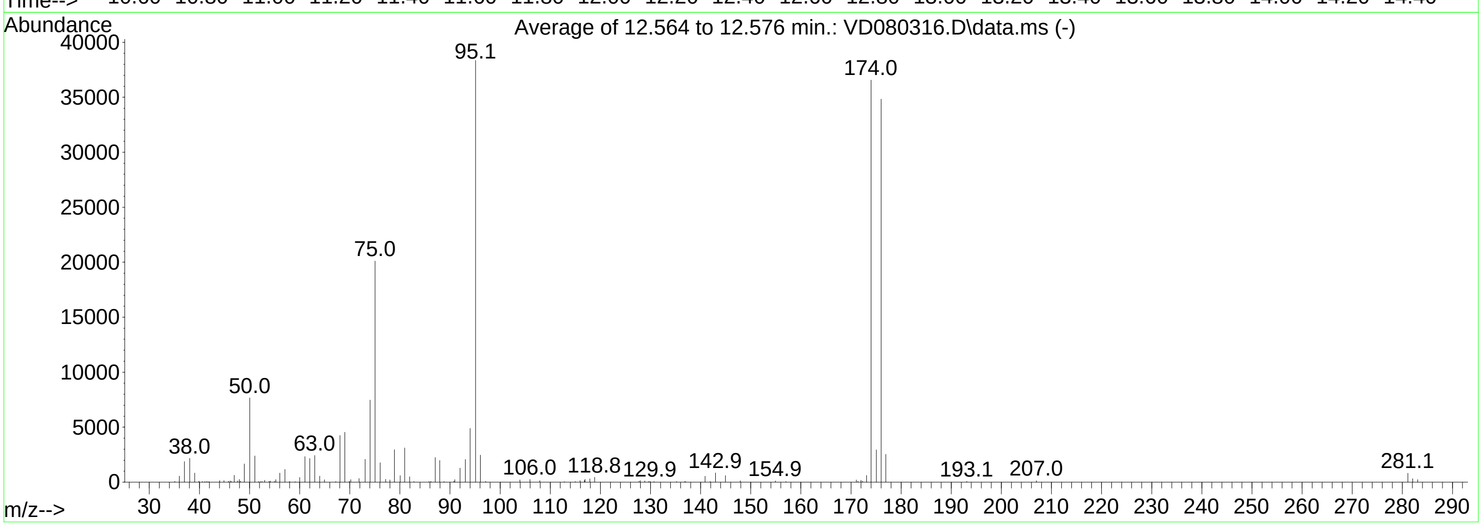
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080316.D
Acq On : 14 May 2025 10:44
Operator : RP/MD
Sample : BFB
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Title : SW846 8260
Last Update : Wed May 07 08:57:11 2025





AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1827

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	7674	PASS
75	95	30	60	52.4	20109	PASS
95	95	100	100	100.0	38352	PASS
96	95	5	9	6.4	2461	PASS
173	174	0.00	2	1.7	613	PASS
174	95	50	100	95.3	36563	PASS
175	174	5	9	8.0	2941	PASS
176	174	95	101	95.3	34835	PASS
177	176	5	9	7.3	2537	PASS

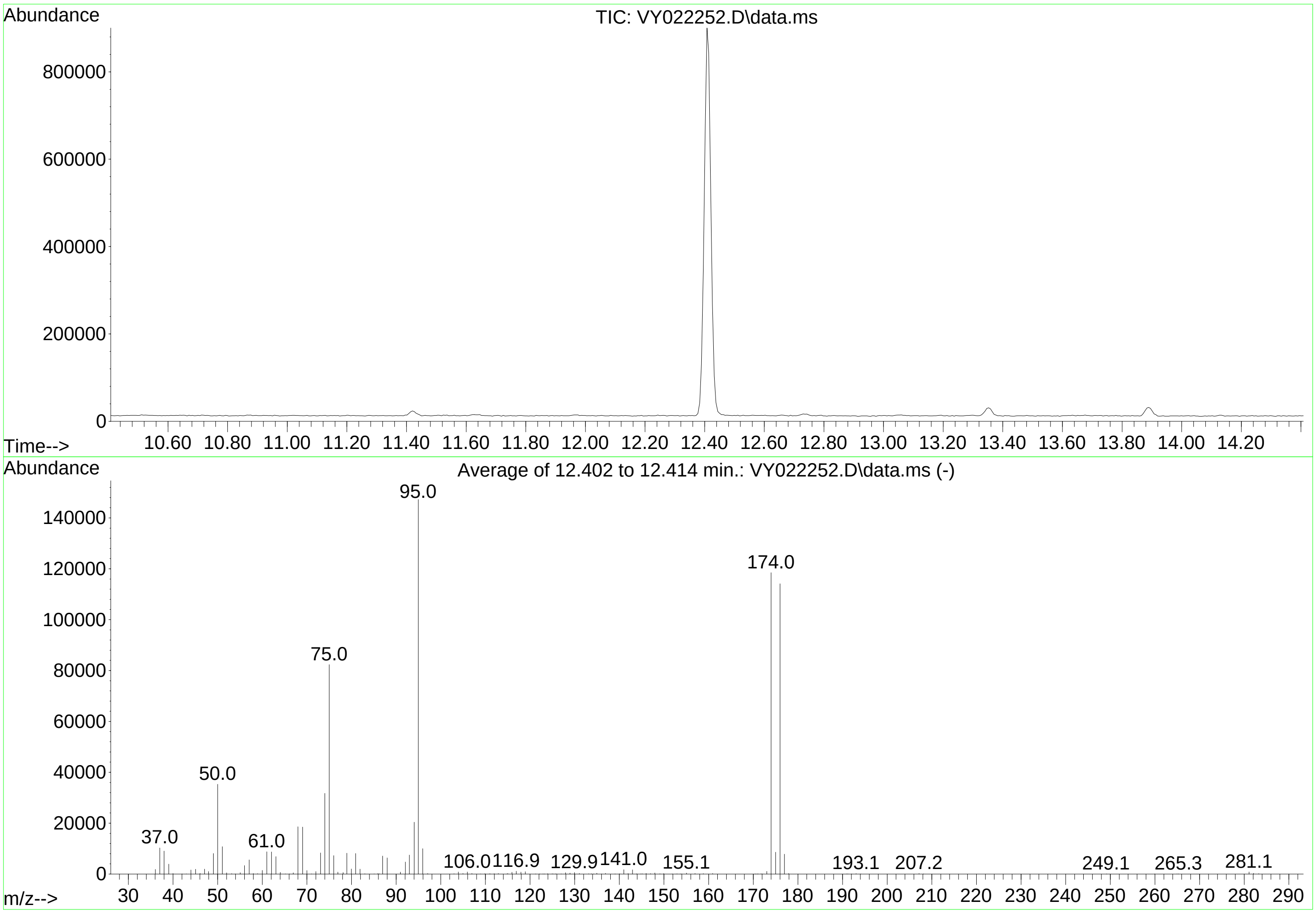
Sample Results: **VY022252.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022252.D
Acq On    : 15 May 2025  07:52
Operator  : SY/MD
Sample    : BFB
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 1   Sample Multiplier: 1

Integration File: RTEINT.P

Method    : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title     : SW846 8260
Last Update  : Fri May 16 01:42:09 2025
```

Instrument :
MSVOA_Y
ClientSampleId :
BFB



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	35318	PASS
75	95	30	60	55.9	82344	PASS
95	95	100	100	100.0	147275	PASS
96	95	5	9	6.8	9993	PASS
173	174	0.00	2	0.9	1042	PASS
174	95	50	100	80.5	118504	PASS
175	174	5	9	7.3	8635	PASS
176	174	95	101	96.3	114157	PASS
177	176	5	9	6.8	7810	PASS

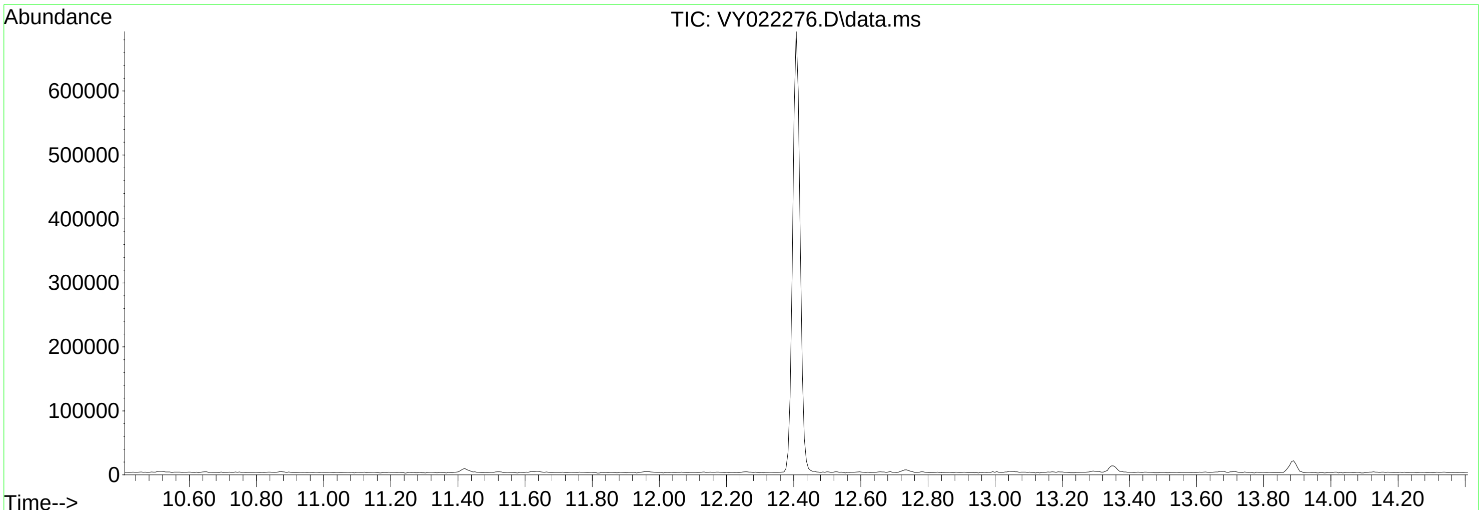
Sample Results: **VY022276.D**

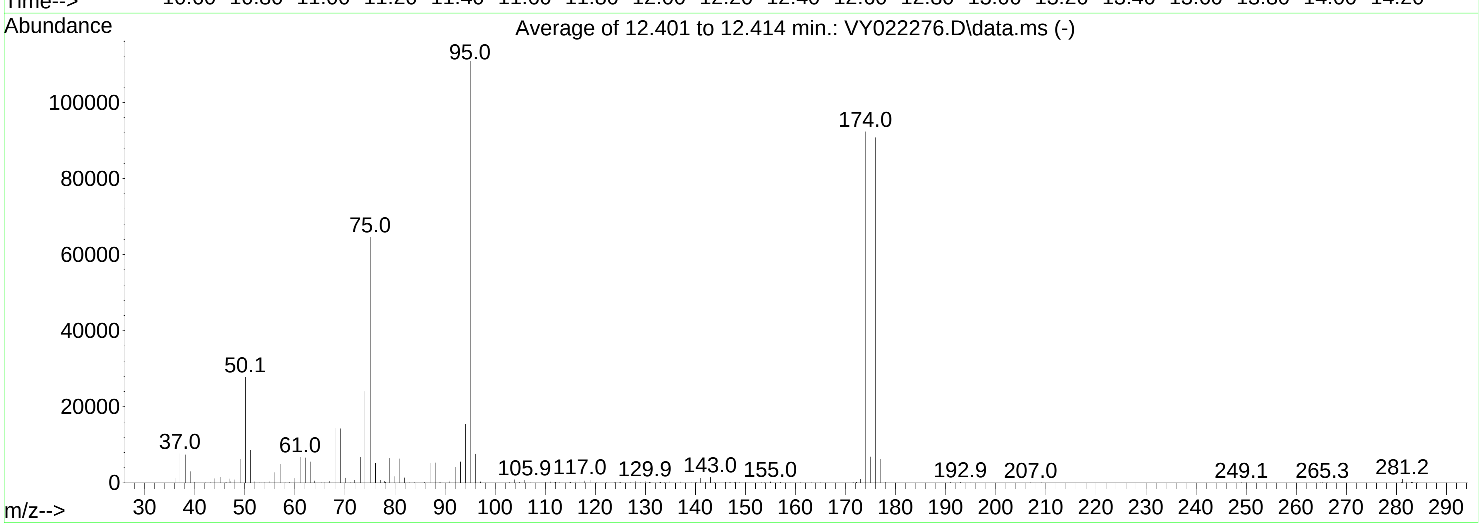
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022276.D
Acq On    : 16 May 2025  07:54
Operator  : SY/MD
Sample    : BFB
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 1   Sample Multiplier: 1

Integration File: RTEINT.P

Method    : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title     : SW846 8260
Last Update  : Fri May 16 01:42:09 2025
```

Instrument :
MSVOA_Y
ClientSampleId :
BFB





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	27835	PASS
75	95	30	60	58.3	64637	PASS
95	95	100	100	100.0	110867	PASS
96	95	5	9	6.9	7634	PASS
173	174	0.00	2	1.0	962	PASS
174	95	50	100	83.3	92307	PASS
175	174	5	9	7.4	6838	PASS
176	174	95	101	98.3	90747	PASS
177	176	5	9	6.9	6231	PASS

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080318.D	1		05/14/25 12:59	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Raw Data: **VD080318.D**

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080318.D	1		05/14/25 12:59	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.2		63 - 155	134%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		70 - 134	117%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	76500	7.876			
540-36-3	1,4-Difluorobenzene	201000	8.776			
3114-55-4	Chlorobenzene-d5	193000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	87200	13.517			

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080318.D	1		05/14/25 12:59	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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_D\Data\VD051425\
Data File : VD080318.D
Acq On    : 14 May 2025  12:59
Operator  : RP/MD
Sample    : VD0514SBL01
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 15 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

```
       Compound                   R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
 Internal Standards
   1) Pentafluorobenzene          7.876  168    76535    50.000 ug/l     0.00
  34) 1,4-Difluorobenzene         8.776  114   201385    50.000 ug/l     0.00
  63) Chlorobenzene-d5           11.582  117   193499    50.000 ug/l     0.00
  72) 1,4-Dichlorobenzene-d4     13.517  152    87202    50.000 ug/l     0.00

 System Monitoring Compounds
  33) 1,2-Dichloroethane-d4       8.235   65    66495    67.185 ug/l    0.00
   Spiked Amount     50.000   Range  50 - 163    Recovery    =  134.380%
  35) Dibromofluoromethane        7.805  113    79131    58.626 ug/l    0.00
   Spiked Amount     50.000   Range  54 - 147    Recovery    =  117.260%
  50) Toluene-d8                 10.270   98   270367    50.838 ug/l    0.00
   Spiked Amount     50.000   Range  58 - 134    Recovery    =  101.680%
  62) 4-Bromofluorobenzene       12.570   95    76547    44.844 ug/l    0.00
   Spiked Amount     50.000   Range  30 - 143    Recovery    =   89.680%

 Target Compounds                                                   Qvalue
 ---------------------------------------------------------------------------

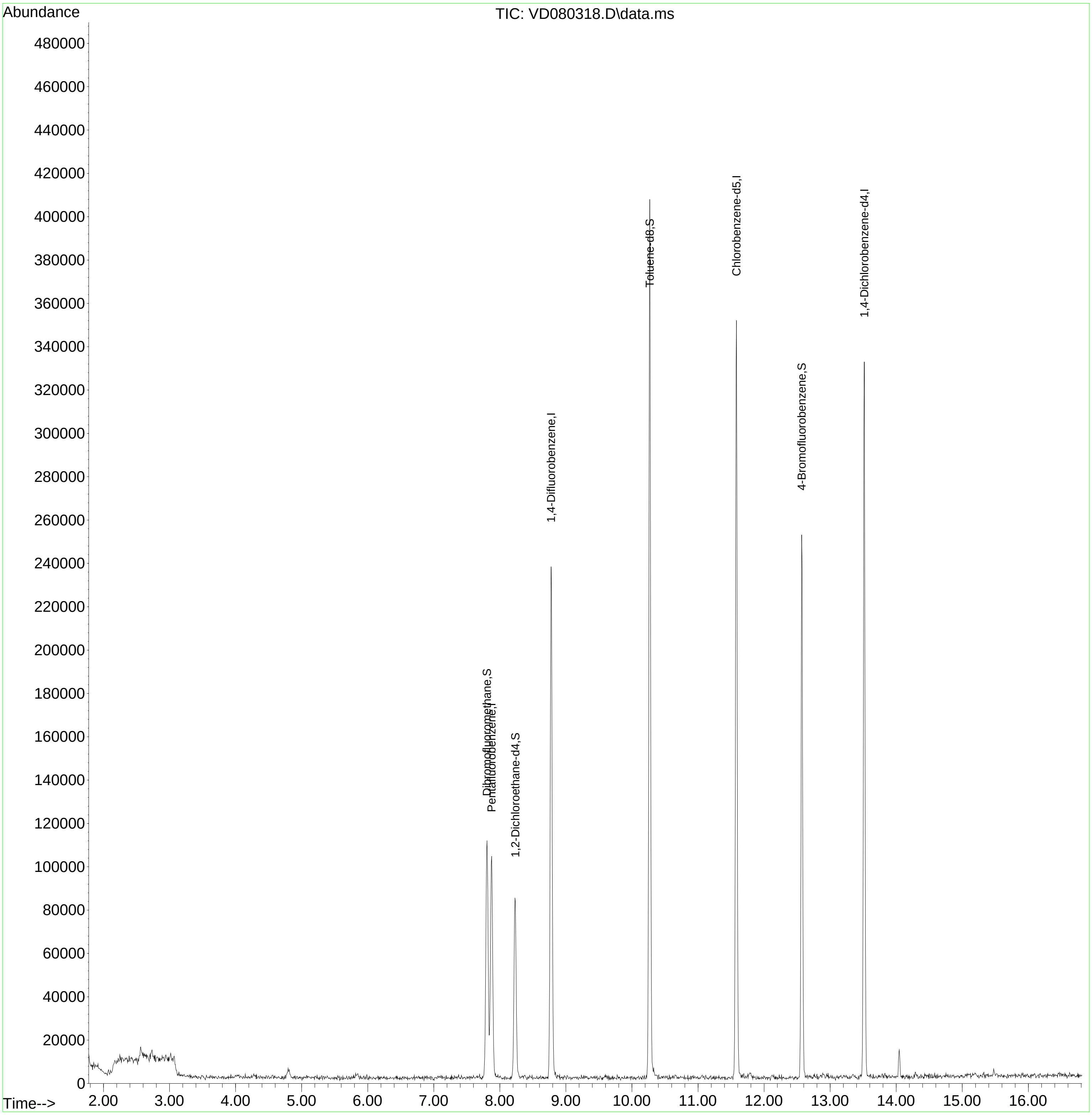
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

Sample Results: **VD080318.D**

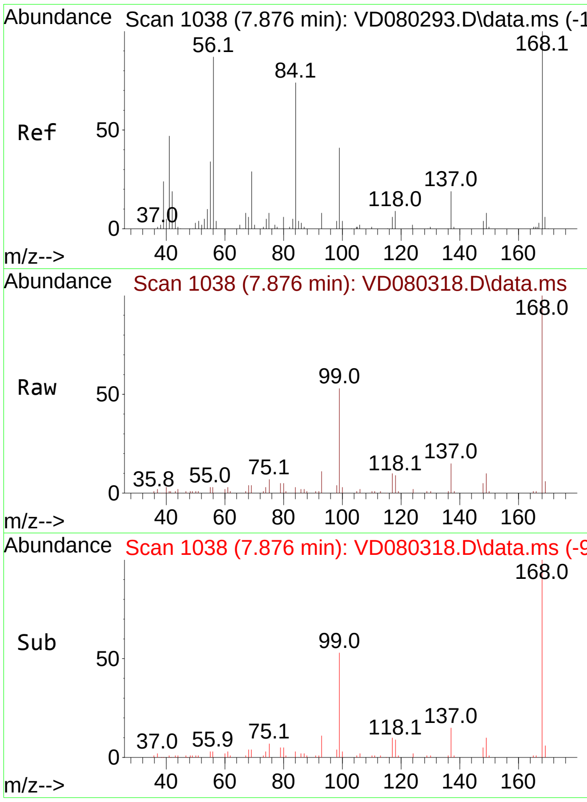
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Time: May 15 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



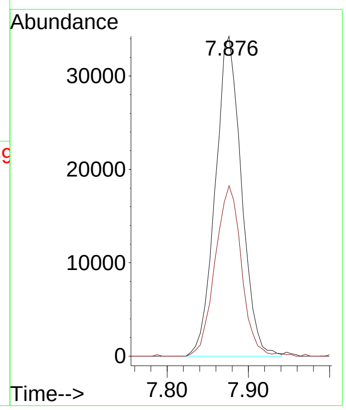
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

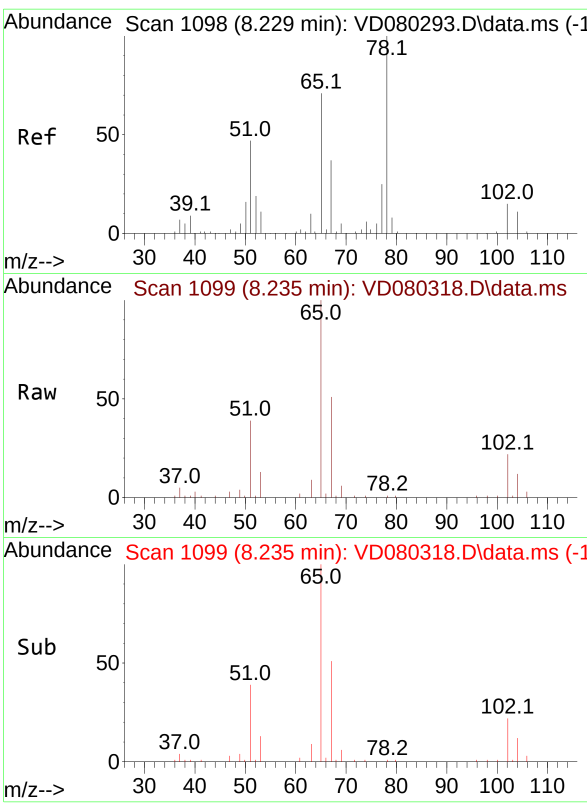


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:168 Resp: 76535

Ion	Ratio	Lower	Upper
168	100		
99	53.3	46.0	69.0

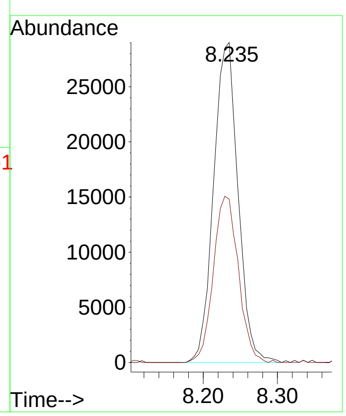




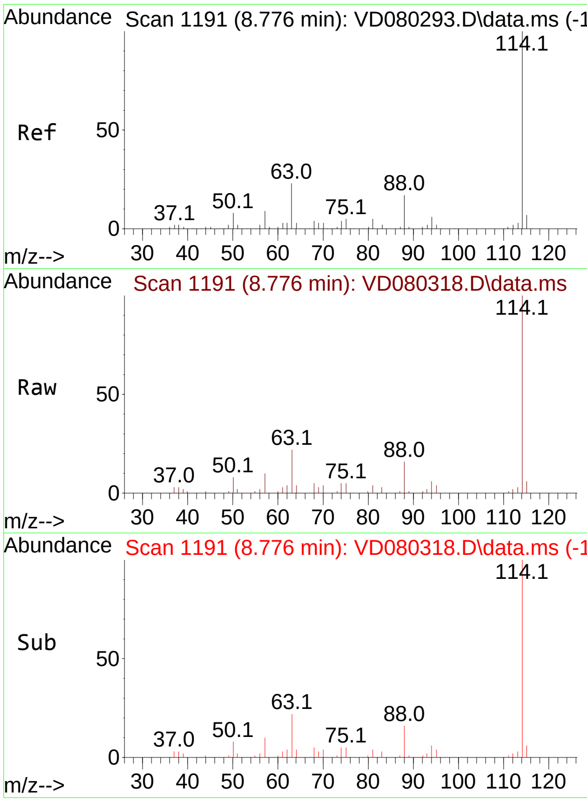
#33
1,2-Dichloroethane-d4
Concen: 67.185 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 65 Resp: 66495

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	109.2



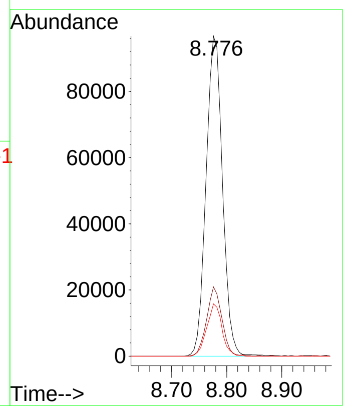
Instrument : MSVOA_D
ClientSampleId : VD0514SBL01

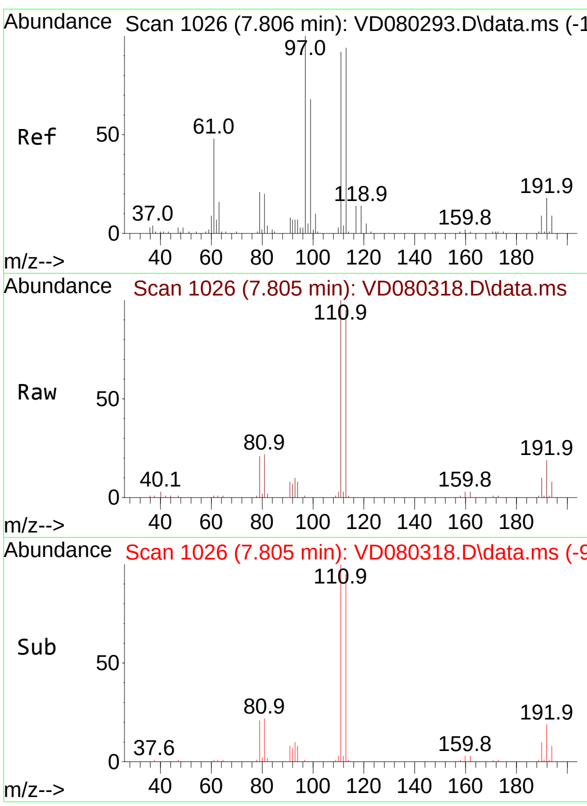


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:114 Resp: 201385

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	38.8
88	16.4	0.0	30.6

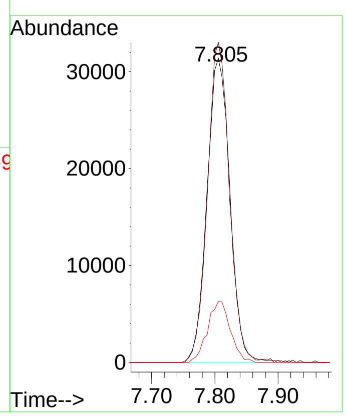


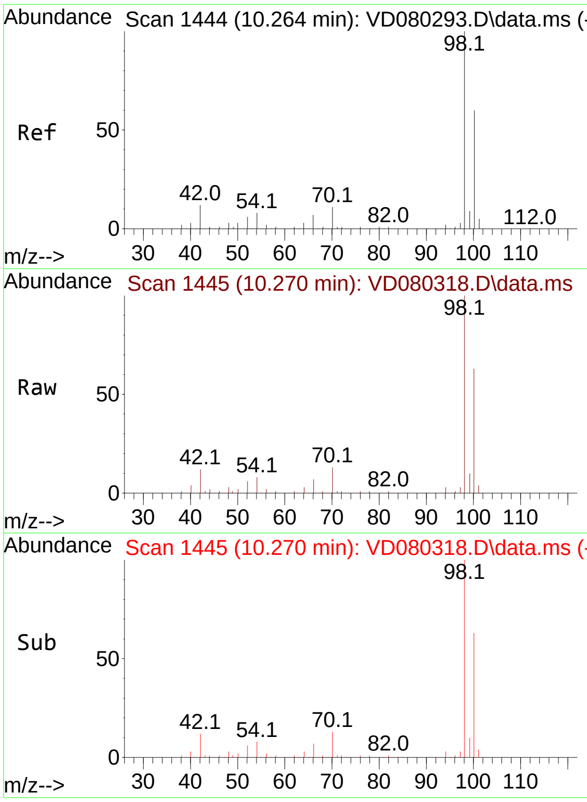


#35
Dibromofluoromethane
Concen: 58.626 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:113 Resp: 79131

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.5	123.7
192	20.0	16.6	25.0



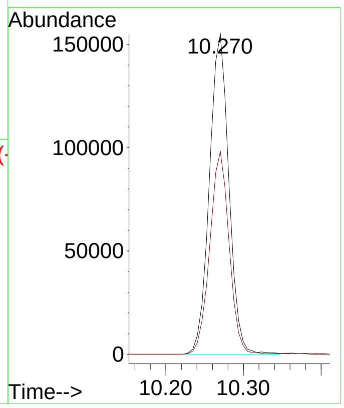


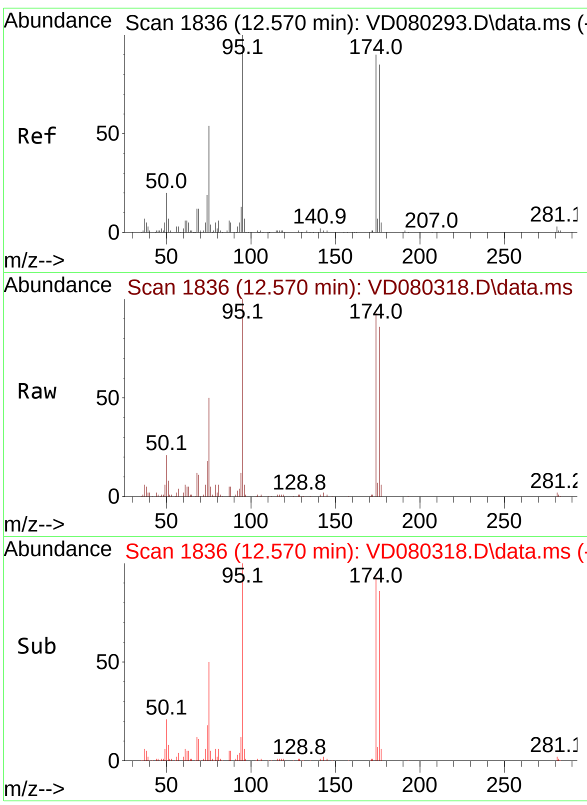
#50
Toluene-d8
Concen: 50.838 ug/l
RT: 10.270 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion: 98 Resp: 270367

Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.2	75.4

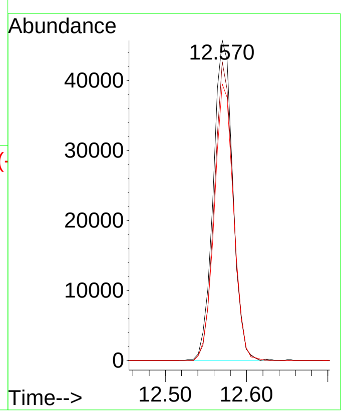




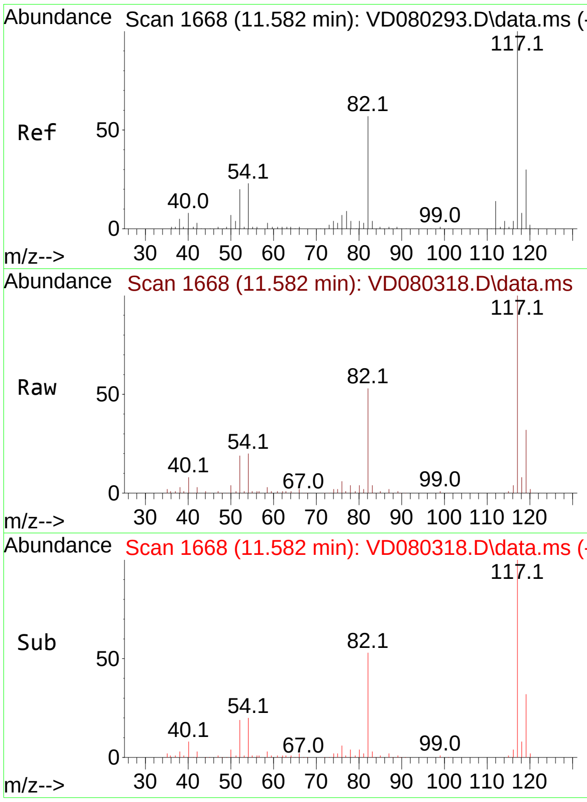
#62
4-Bromofluorobenzene
Concen: 44.844 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 95 Resp: 76547

Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	173.4
176	85.1	0.0	166.6



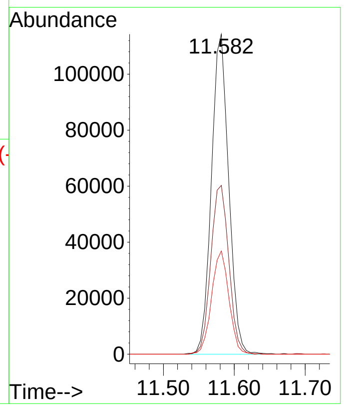
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

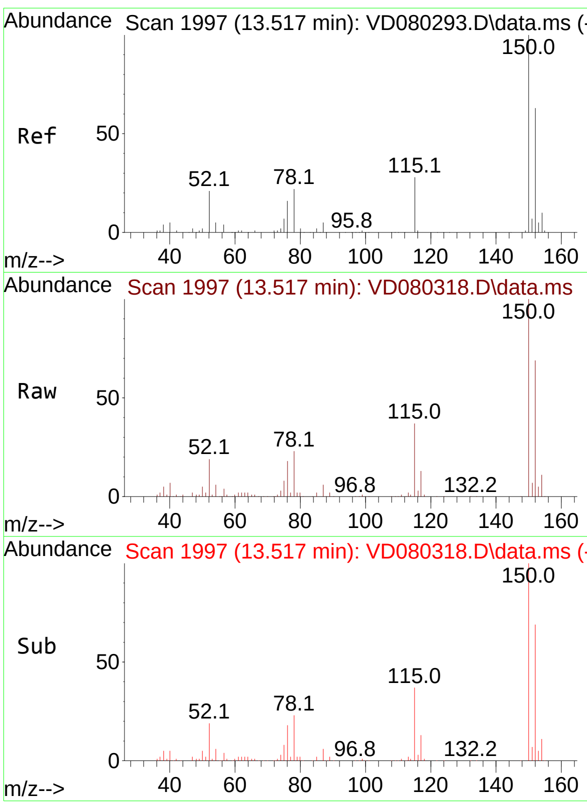


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min   Scan# 1(
Delta R.T.   0.001 min
Lab File: VD080318.D
Acq: 14 May 2025   12:59

Tgt Ion:117 Resp: 193499

Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.8	68.6
119	32.2	26.2	39.2

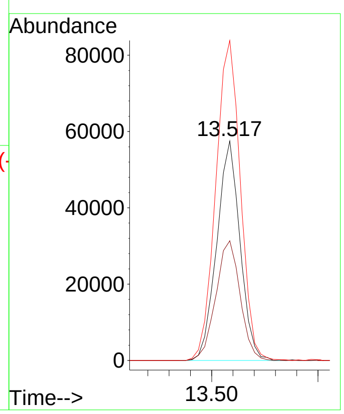




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min   Scan# 1997
Delta R.T.   0.001 min
Lab File: VD080318.D
Acq: 14 May 2025   12:59

Tgt Ion:152 Resp: 87202

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.8
150	154.3	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.170	59	68	72	rBV4	5718	16122	2.25%	0.457%
2	3.070	218	221	230	rVB4	8919	18631	2.60%	0.529%
3	4.794	508	514	516	rBV3	4574	7362	1.03%	0.209%
4	7.805	1015	1026	1032	rBV2	109573	270100	37.65%	7.663%
5	7.876	1032	1038	1049	rVB2	101854	238112	33.19%	6.756%
6	8.229	1089	1098	1111	rVB2	83384	196950	27.45%	5.588%
7	8.776	1183	1191	1201	rBV	236198	489826	68.27%	13.897%
8	10.270	1437	1445	1454	rBV	405456	717441	100.00%	20.355%
9	11.582	1659	1668	1676	rBV	350290	610857	85.14%	17.331%
10	12.570	1830	1836	1843	rBV	250278	414832	57.82%	11.769%
11	13.517	1990	1997	2005	rVB	329578	526544	73.39%	14.939%
12	14.046	2083	2087	2091	rVB2	12420	17875	2.49%	0.507%

Sum of corrected areas: 3524652

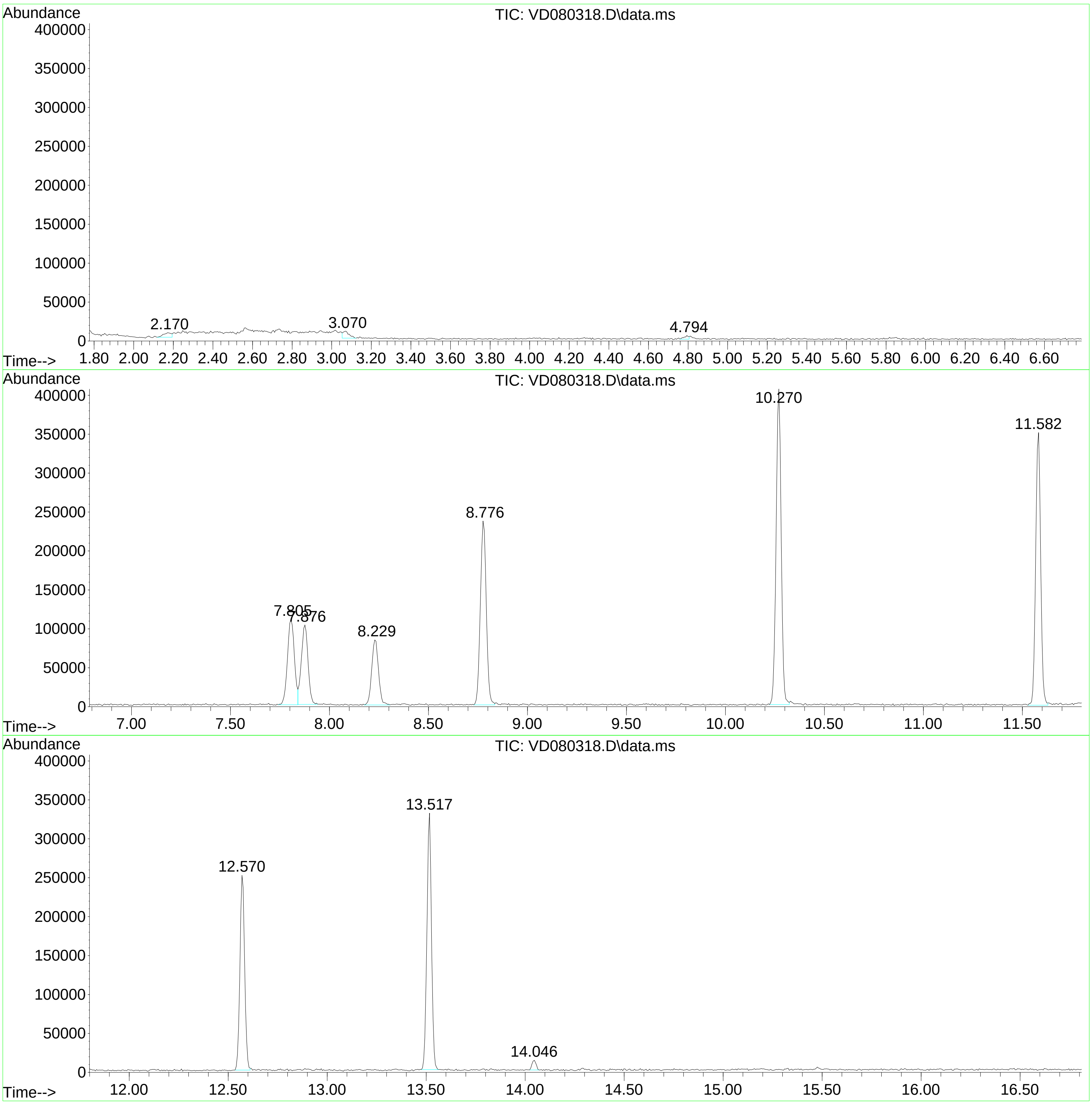
Sample Results: **VD080318.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On    : 14 May 2025  12:59
Operator  : RP/MD
Sample    : VD0514SBL01
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 3   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01



Library Search Compound Report

Sample Results: **VD080318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022278.D	1		05/16/25 09:37	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022278.D	1		05/16/25 09:37	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.9		63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	556000	8.616			
3114-55-4	Chlorobenzene-d5	426000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.347			

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	VY0516SBL01		SDG No.:	Q2010	
Lab Sample ID:	VY0516SBL01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022278.D	1		05/16/25 09:37	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY022278.D**

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On    : 16 May 2025  09:37
Operator  : SY/MD
Sample    : VY0516SBL01
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

        Compound                   R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
 Internal Standards
   1) Pentafluorobenzene          7.707  168   314347    50.000 ug/l     0.00
  34) 1,4-Difluorobenzene         8.616  114   555500    50.000 ug/l     0.00
  63) Chlorobenzene-d5           11.420  117   426459    50.000 ug/l     0.00
  72) 1,4-Dichlorobenzene-d4     13.347  152   151389    50.000 ug/l     0.00

 System Monitoring Compounds
  33) 1,2-Dichloroethane-d4       8.061   65   150831    43.903 ug/l    0.00
   Spiked Amount     50.000   Range  50 - 163    Recovery    =   87.800%
  35) Dibromofluoromethane        7.634  113   158963    47.945 ug/l    0.00
   Spiked Amount     50.000   Range  54 - 147    Recovery    =   95.880%
  50) Toluene-d8                 10.109   98   662270    48.771 ug/l    0.00
   Spiked Amount     50.000   Range  58 - 134    Recovery    =   97.540%
  62) 4-Bromofluorobenzene       12.408   95   208685    48.485 ug/l    0.00
   Spiked Amount     50.000   Range  30 - 143    Recovery    =   96.980%

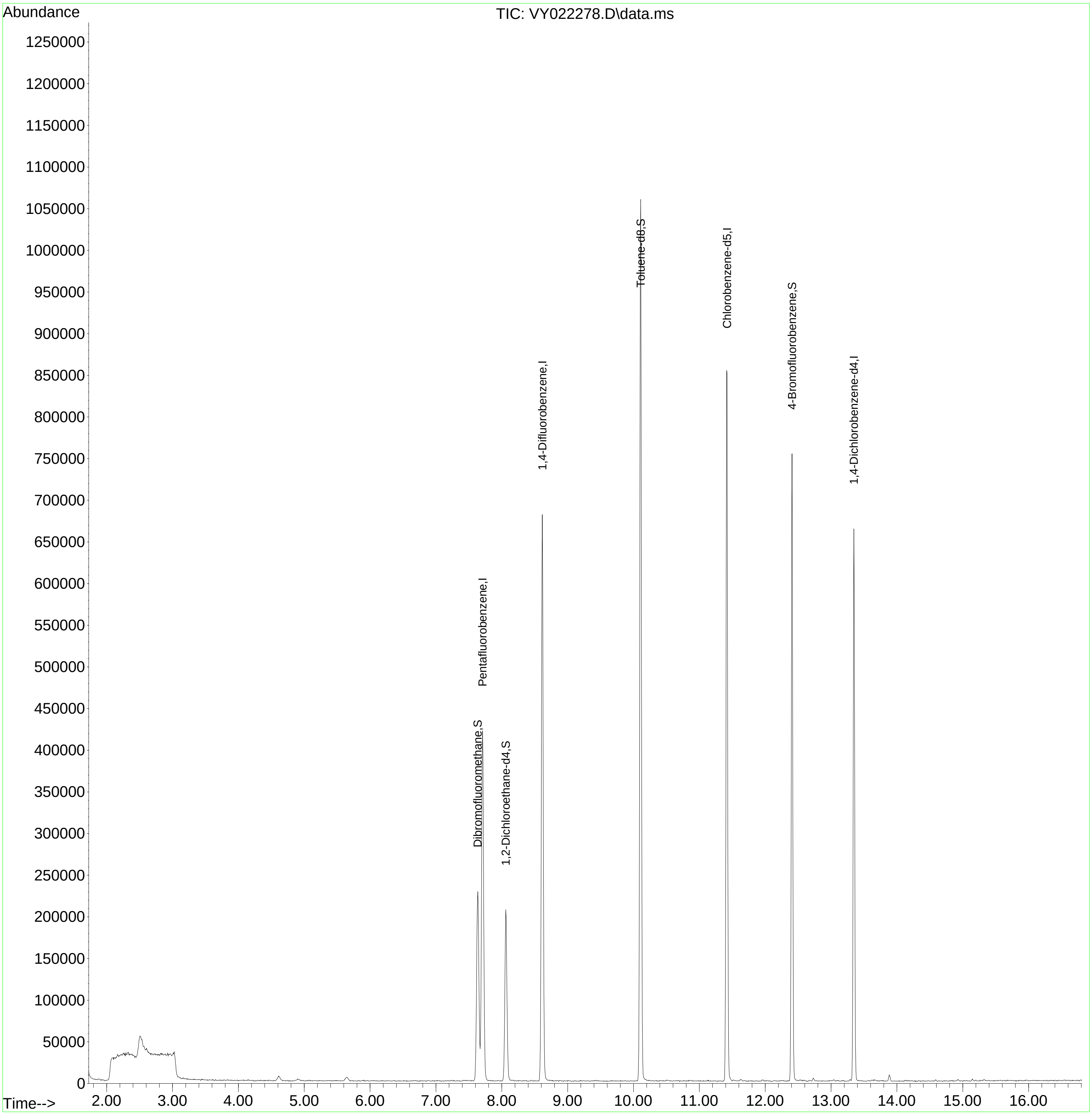
 Target Compounds                                                  Qvalue
 --------------------------------------------------------------------------

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

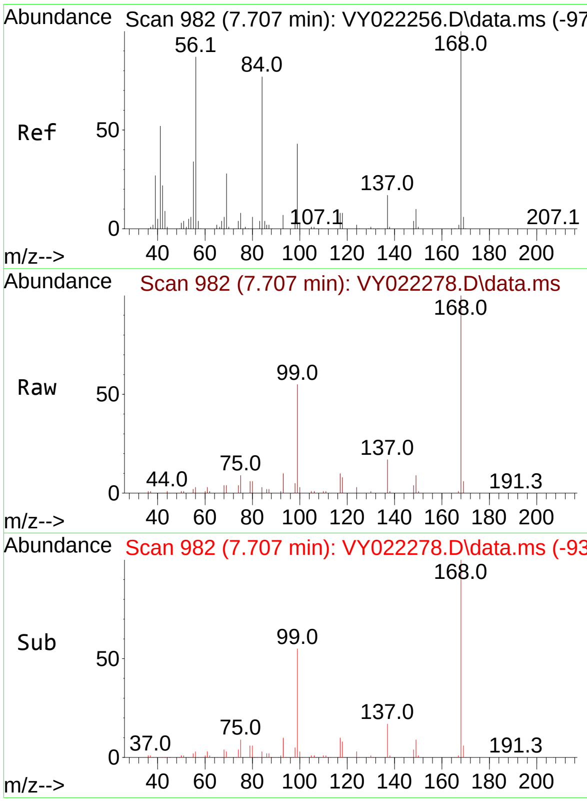
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



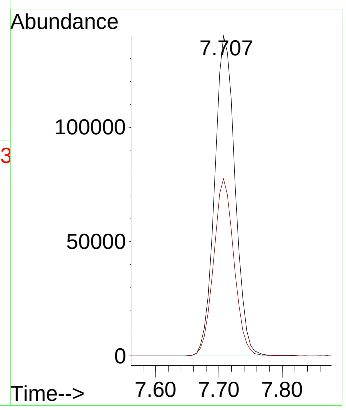
Instrument :	MSVOA_Y
ClientSampleId :	VY0516SBL01

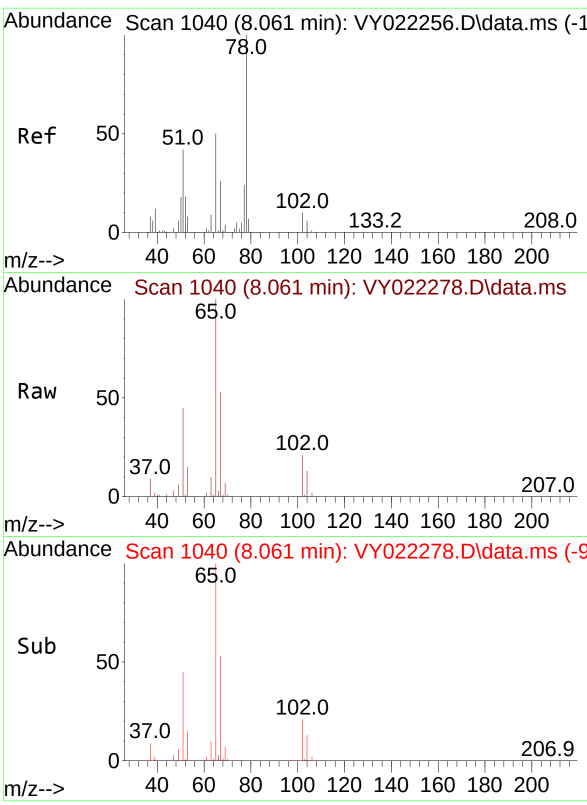


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:168 Resp: 314347

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

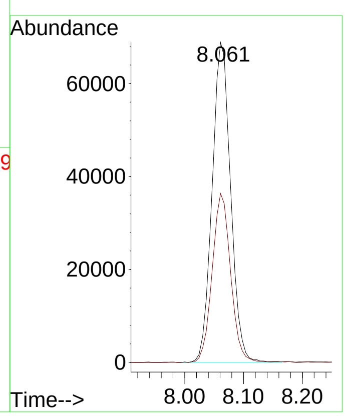




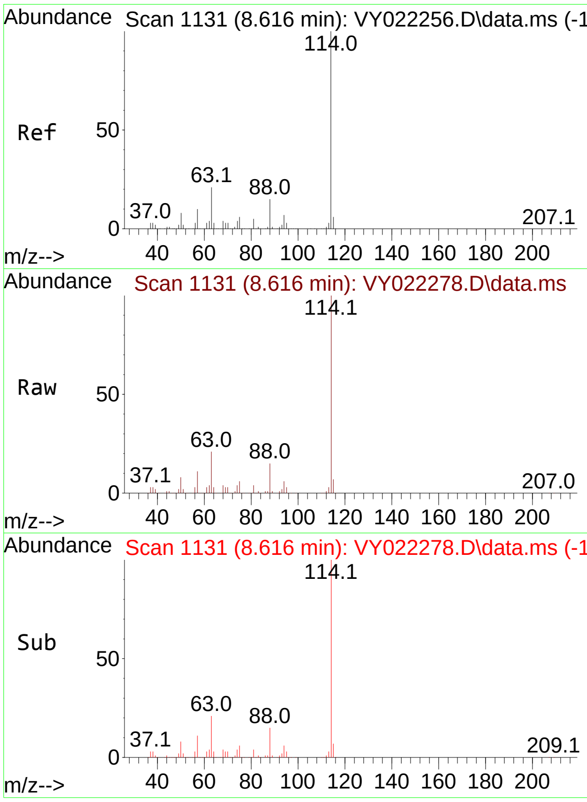
#33
1,2-Dichloroethane-d4
Concen: 43.903 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 65 Resp: 150831

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6

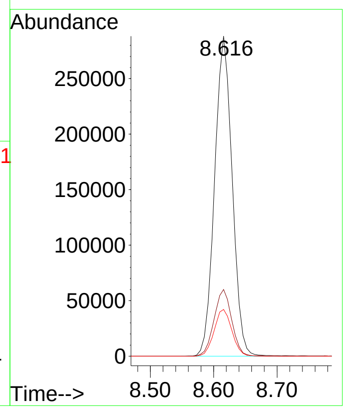


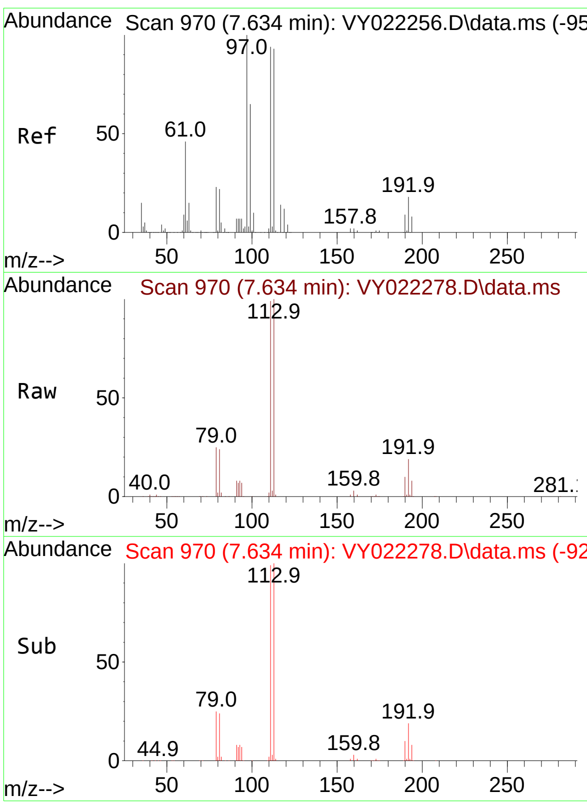
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01




```
#34
1,4-Difluorobenzene
Concen:   50.000 ug/l
RT:   8.616 min   Scan# 1
Delta R.T.   0.000 min
Lab File:    VY022278.D
Acq: 16 May 2025   09:37

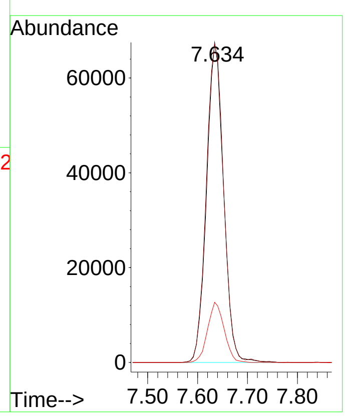
Tgt Ion:114 Resp:   555500
Ion   Ratio   Lower   Upper
114   100
 63    20.8     0.0    41.0
 88    14.6     0.0    29.4
```



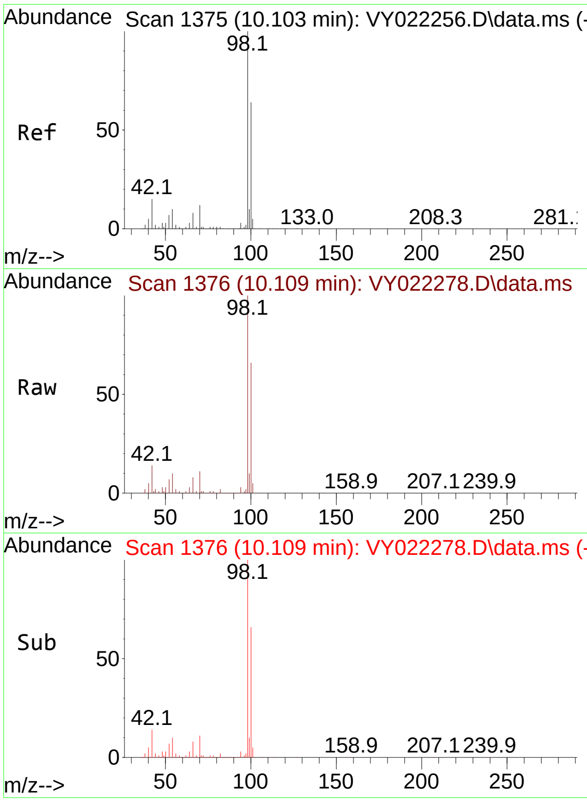



```
#35
Dibromofluoromethane
Concen:   47.945 ug/l
RT:   7.634 min   Scan# 970
Delta R.T.   0.000 min
Lab File:    VY022278.D
Acq: 16 May 2025   09:37

Tgt Ion:113 Resp:   158963
Ion   Ratio   Lower   Upper
113   100
111   102.9    82.6   123.8
192    18.4    15.2    22.8
```

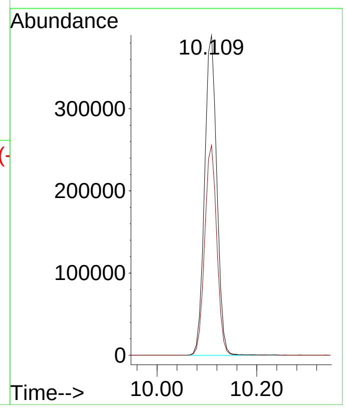


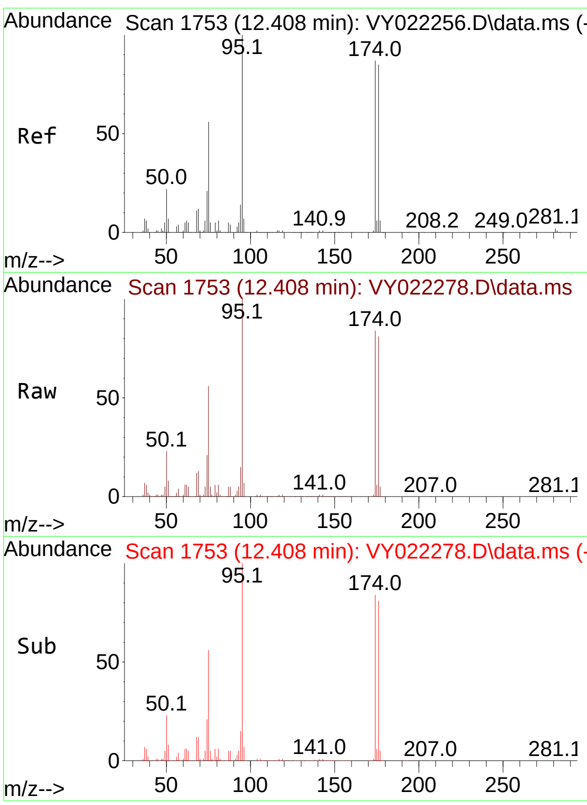
Instrument : MSVOA_Y
ClientSampleId : VY0516SBL01




```
#50
Toluene-d8
Concen:   48.771 ug/l
RT:  10.109 min  Scan# 1
Delta R.T.  0.006 min
Lab File:   VY022278.D
Acq: 16 May 2025  09:37

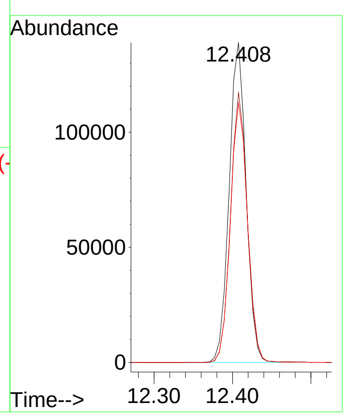
Tgt Ion: 98 Resp:  662270
Ion  Ratio  Lower  Upper
 98  100
100   64.9   51.8   77.8
```



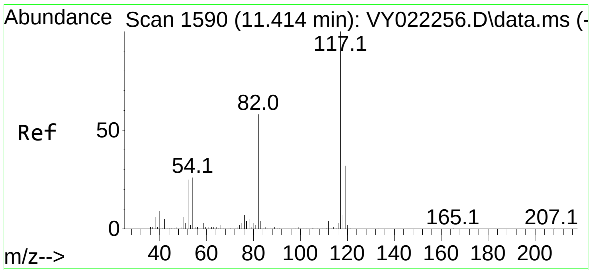


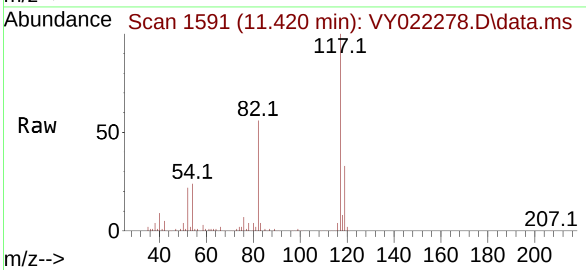

```
#62
4-Bromofluorobenzene
Concen:   48.485 ug/l
RT:  12.408 min  Scan# 1753
Delta R.T.  0.000 min
Lab File:   VY022278.D
Acq: 16 May 2025  09:37

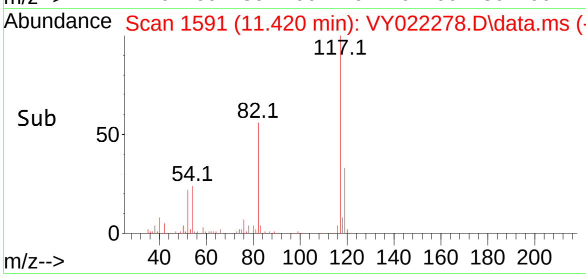
Tgt Ion: 95 Resp:  208685
Ion  Ratio  Lower  Upper
 95  100
174   83.9    0.0  166.8
176   81.7    0.0  160.8
```



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01



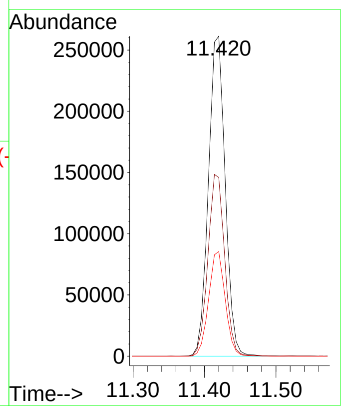


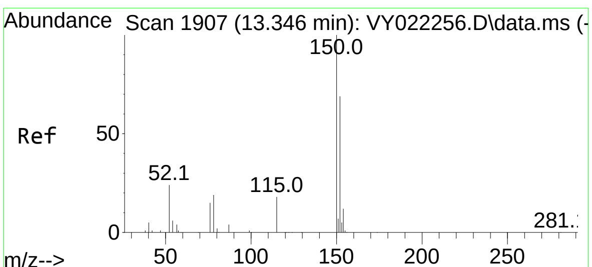


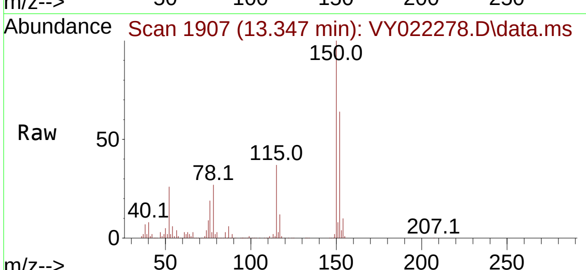
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

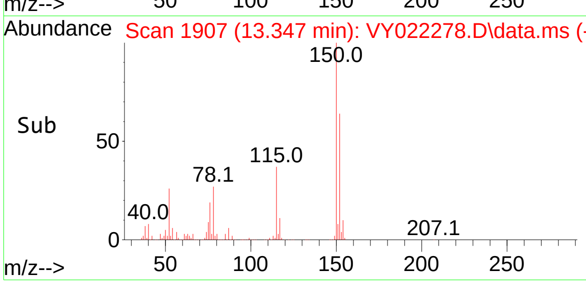
Tgt Ion:117 Resp: 426459

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	32.7	25.8	38.6





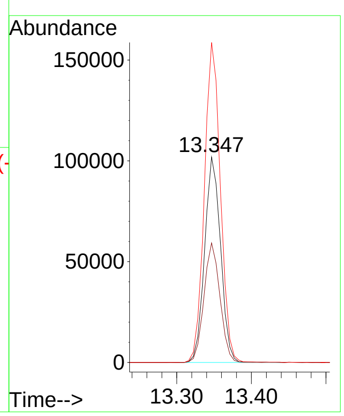




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:152 Resp: 151389

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	156.5	0.0	353.8



Sample Results: **VY022278.D**

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022278.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.507	124	129	133	rBV6	15187	37517	2.06%	0.432%
2	7.634	960	970	976	rBV	227205	549094	30.21%	6.327%
3	7.707	976	982	995	rVB	419918	942727	51.86%	10.863%
4	8.061	1030	1040	1052	rBV	205731	447251	24.60%	5.154%
5	8.616	1122	1131	1145	rBV	679955	1321951	72.73%	15.232%
6	10.109	1368	1376	1387	rBV	1058309	1817733	100.00%	20.945%
7	11.414	1582	1590	1603	rBV	853205	1412662	77.72%	16.278%
8	12.408	1746	1753	1764	rBV	752746	1152576	63.41%	13.281%
9	13.347	1900	1907	1918	rVB	662743	997052	54.85%	11.489%

Sum of corrected areas: 8678563

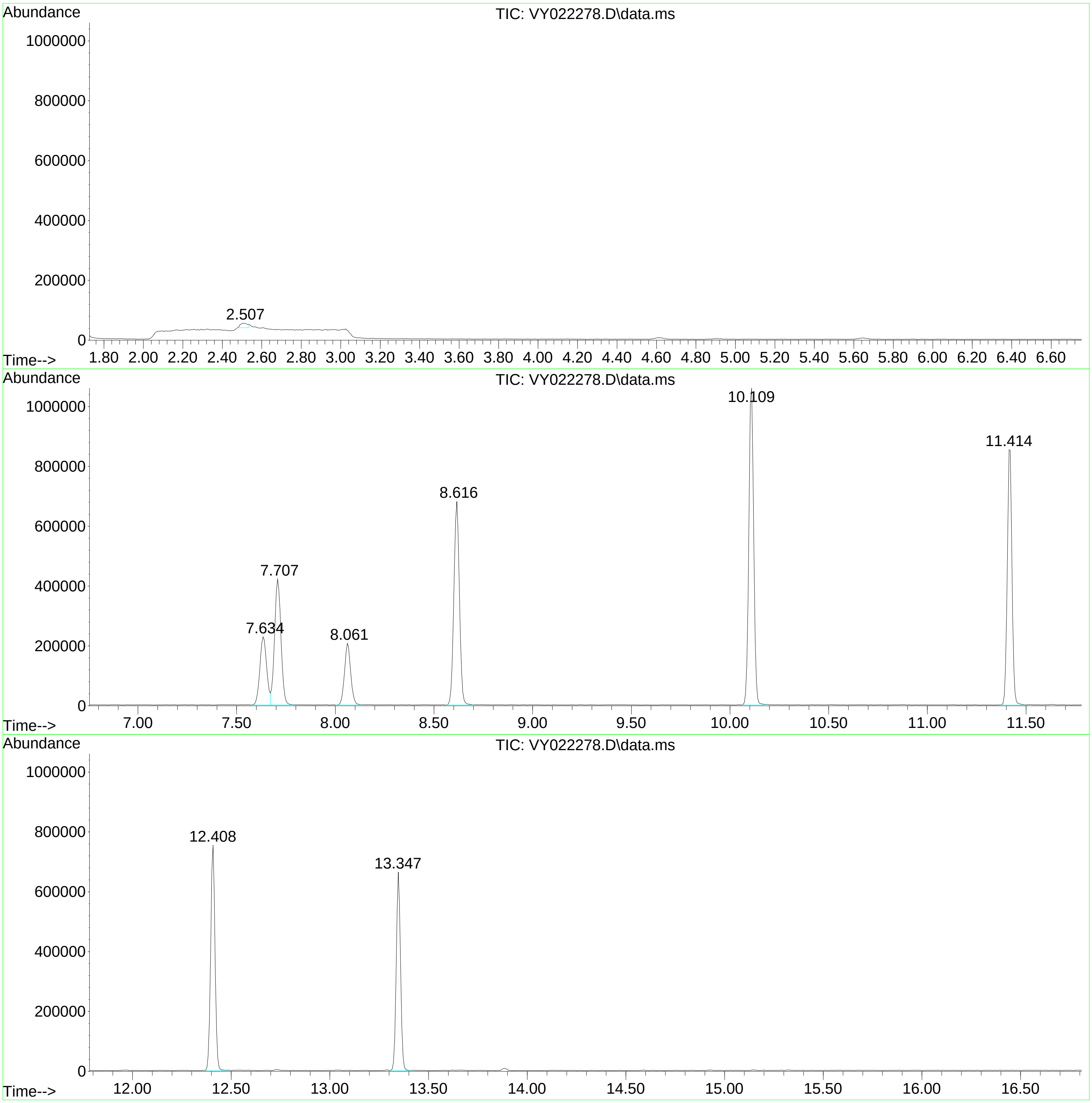
Sample Results: **VY022278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Sample Results: **VY022278.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On    : 16 May 2025  09:37
Operator  : SY/MD
Sample    : VY0516SBL01
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 3   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Raw Data: **VD080319.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	26.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	89.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	89.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	18.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

Raw Data: **VD080319.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	7.876			
540-36-3	1,4-Difluorobenzene	177000	8.776			
3114-55-4	Chlorobenzene-d5	170000	11.576			
3855-82-1	1,4-Dichlorobenzene-d4	97500	13.517			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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)

Sample Results: **VD080319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.876	168	107481	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	177282	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.576	117	170015	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	97541	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.229	65	67259	48.391 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.780%	
35) Dibromofluoromethane	7.800	113	62017	52.194 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.380%	
50) Toluene-d8	10.270	98	238107	50.859 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.720%	
62) 4-Bromofluorobenzene	12.570	95	74436	49.536 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.080%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.935	85	27472	26.254 ug/l	96
3) Chloromethane	2.153	50	41778	19.600 ug/l	91
4) Vinyl Chloride	2.282	62	55671	19.924 ug/l	98
5) Bromomethane	2.676	94	41154	20.461 ug/l	99
6) Chloroethane	2.829	64	40486	20.493 ug/l	96
7) Trichlorofluoromethane	3.165	101	46677	21.786 ug/l	92
8) Diethyl Ether	3.594	74	12845	19.422 ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.965	101	28366	21.488 ug/l	96
10) Methyl Iodide	4.159	142	26930	20.012 ug/l	97
11) Tert butyl alcohol	5.059	59	7831	92.849 ug/l #	85
12) 1,1-Dichloroethene	3.935	96	24417	18.762 ug/l	97
13) Acrolein	3.794	56	8182	55.136 ug/l	98
14) Allyl chloride	4.559	41	36801	17.980 ug/l	98
15) Acrylonitrile	5.259	53	28853	90.745 ug/l	97
16) Acetone	4.023	43	21334	89.429 ug/l	96
17) Carbon Disulfide	4.265	76	89197	19.737 ug/l	97
18) Methyl Acetate	4.564	43	16569	18.423 ug/l	99
19) Methyl tert-butyl Ether	5.312	73	53626	18.756 ug/l	100
20) Methylene Chloride	4.794	84	34732	21.194 ug/l	97
21) trans-1,2-Dichloroethene	5.306	96	28134	19.899 ug/l	97
22) Diisopropyl ether	6.211	45	79835	18.935 ug/l #	92
23) Vinyl Acetate	6.159	43	217491	88.567 ug/l	96
24) 1,1-Dichloroethane	6.106	63	53309	20.093 ug/l	99
25) 2-Butanone	7.088	43	34209	89.452 ug/l #	84
26) 2,2-Dichloropropane	7.070	77	40770	19.311 ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	31080	19.841 ug/l	98
28) Bromochloromethane	7.429	49	22901	18.538 ug/l	93
29) Tetrahydrofuran	7.447	42	21330	85.543 ug/l	98
30) Chloroform	7.594	83	55010	20.791 ug/l	92
31) Cyclohexane	7.876	56	39699	17.581 ug/l	96
32) 1,1,1-Trichloroethane	7.788	97	45775	21.206 ug/l	97
36) 1,1-Dichloropropene	8.011	75	35667	20.085 ug/l	96
37) Ethyl Acetate	7.170	43	17001	18.308 ug/l #	75
38) Carbon Tetrachloride	7.988	117	40179	21.695 ug/l	97
39) Methylcyclohexane	9.276	83	40065	19.443 ug/l	85
40) Benzene	8.253	78	113402	20.381 ug/l	98

Quantitation Report (QT Reviewed)

Sample Results: **VD080319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.400	41	7757	15.095	ug/l	#	88
42) 1,2-Dichloroethane	8.323	62	32908	20.410	ug/l		97
43) Isopropyl Acetate	8.358	43	31415	18.657	ug/l		98
44) Trichloroethene	9.023	130	26968	20.879	ug/l		91
45) 1,2-Dichloropropane	9.305	63	28878	20.236	ug/l		99
46) Dibromomethane	9.400	93	17384	22.375	ug/l		93
47) Bromodichloromethane	9.582	83	40727	20.652	ug/l		96
48) Methyl methacrylate	9.382	41	14320	17.898	ug/l		95
49) 1,4-Dioxane	9.388	88	3208	347.288	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.158	43	83049	95.722	ug/l		95
52) Toluene	10.329	92	69381	20.698	ug/l		96
53) t-1,3-Dichloropropene	10.552	75	36477	20.290	ug/l		99
54) cis-1,3-Dichloropropene	10.017	75	41897	20.111	ug/l		98
55) 1,1,2-Trichloroethane	10.735	97	21733	21.147	ug/l		93
56) Ethyl methacrylate	10.599	69	23476	18.851	ug/l		94
57) 1,3-Dichloropropane	10.876	76	35143	20.575	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.870	63	48087	94.353	ug/l		100
59) 2-Hexanone	10.923	43	54364	91.088	ug/l		95
60) Dibromochloromethane	11.070	129	28525	22.148	ug/l		97
61) 1,2-Dibromoethane	11.176	107	20360	21.364	ug/l		99
64) Tetrachloroethene	10.811	164	23412	20.335	ug/l		96
65) Chlorobenzene	11.605	112	75933	19.780	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.682	131	28484	21.597	ug/l		94
67) Ethyl Benzene	11.682	91	122591	19.109	ug/l		99
68) m/p-Xylenes	11.794	106	98831	39.676	ug/l		99
69) o-Xylene	12.123	106	43731	19.212	ug/l		95
70) Styrene	12.135	104	81912	20.041	ug/l		99
71) Bromoform	12.294	173	16491	21.045	ug/l	#	95
73) Isopropylbenzene	12.417	105	112106	17.718	ug/l		99
74) N-amyl acetate	12.229	43	30586	16.843	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.670	83	27288	19.612	ug/l		96
76) 1,2,3-Trichloropropane	12.717	75	16216m	17.225	ug/l		
77) Bromobenzene	12.699	156	31996	19.495	ug/l		99
78) n-propylbenzene	12.758	91	146938	18.505	ug/l		99
79) 2-Chlorotoluene	12.846	91	85532	18.519	ug/l		100
80) 1,3,5-Trimethylbenzene	12.899	105	100614	18.644	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.470	75	9608	19.373	ug/l		96
82) 4-Chlorotoluene	12.946	91	96999	19.456	ug/l		99
83) tert-Butylbenzene	13.164	119	80789	17.940	ug/l		98
84) 1,2,4-Trimethylbenzene	13.211	105	102548	18.572	ug/l		99
85) sec-Butylbenzene	13.341	105	127008	18.289	ug/l		99
86) p-Isopropyltoluene	13.458	119	103447	17.724	ug/l		99
87) 1,3-Dichlorobenzene	13.458	146	63836	18.650	ug/l		99
88) 1,4-Dichlorobenzene	13.535	146	64159	18.594	ug/l		98
89) n-Butylbenzene	13.782	91	100066	17.661	ug/l		99
90) Hexachloroethane	14.052	117	25240	19.544	ug/l		97
91) 1,2-Dichlorobenzene	13.829	146	58430	19.652	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3998	18.029	ug/l		99
93) 1,2,4-Trichlorobenzene	15.099	180	32872	17.580	ug/l		98
94) Hexachlorobutadiene	15.199	225	18668	19.190	ug/l		100
95) Naphthalene	15.329	128	59175	16.854	ug/l		98
96) 1,2,3-Trichlorobenzene	15.517	180	30749	18.386	ug/l		97

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On    : 14 May 2025  13:29
Operator  : RP/MD
Sample    : VD0514SBS01
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VD080319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
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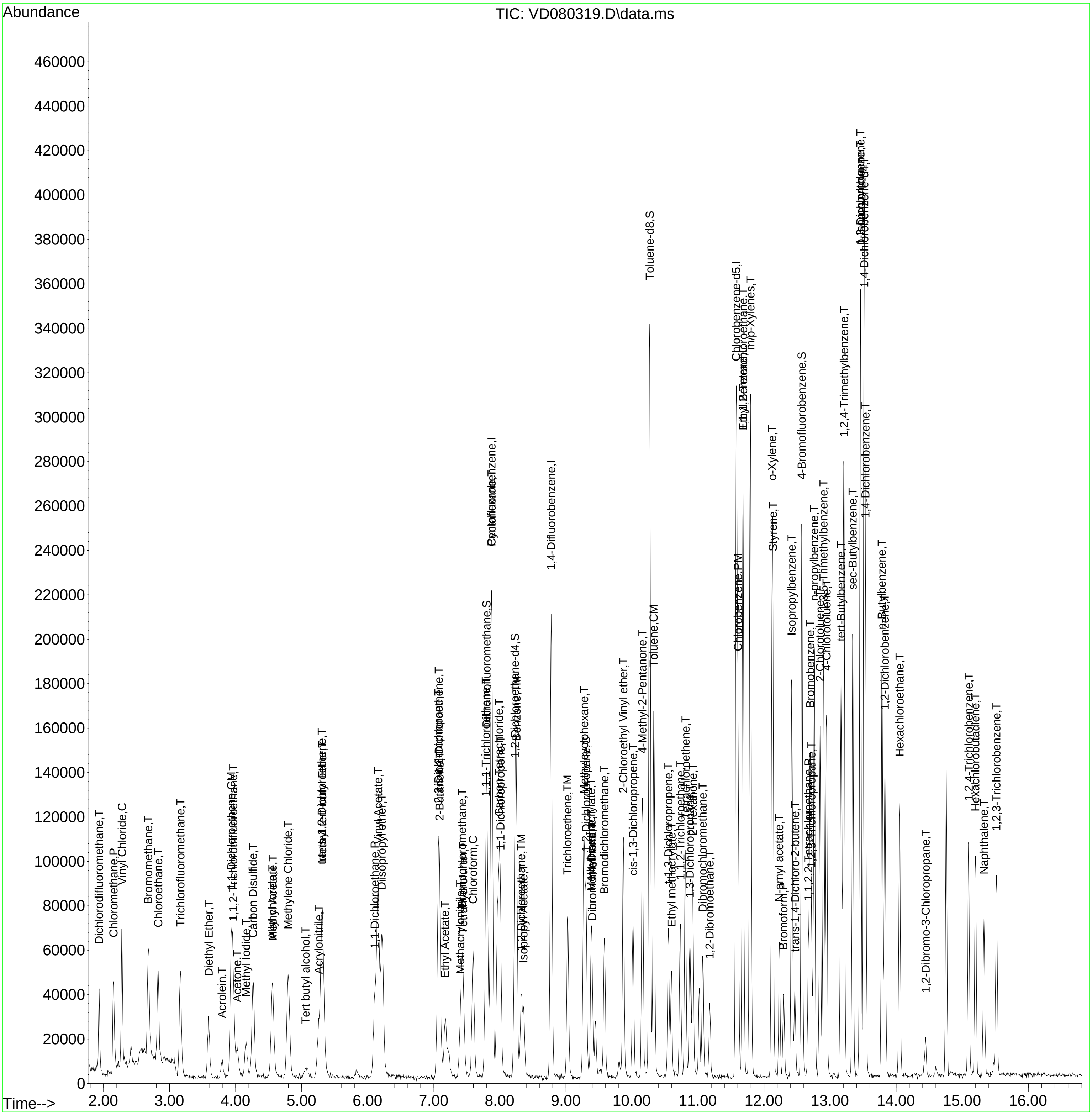

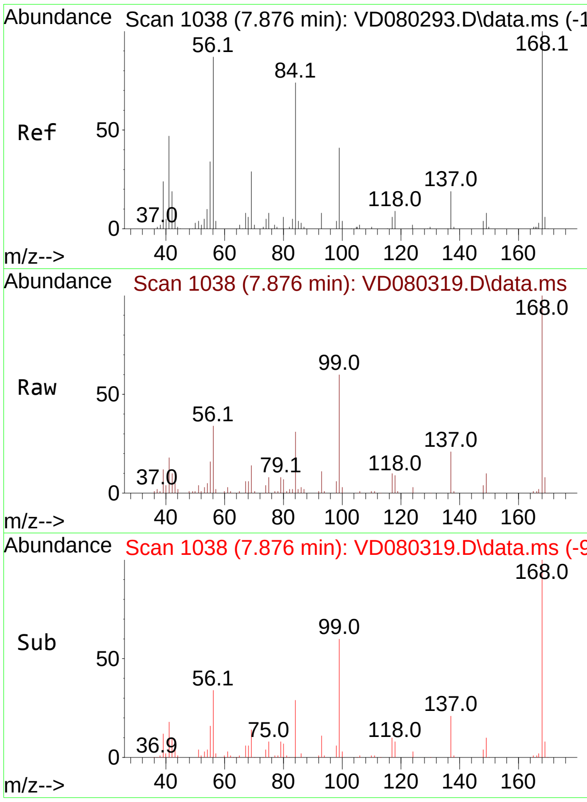

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:168 Resp: 107481

Ion	Ratio	Lower	Upper
168	100		
99	59.6	46.0	69.0

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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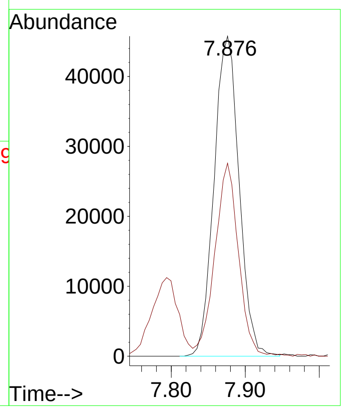
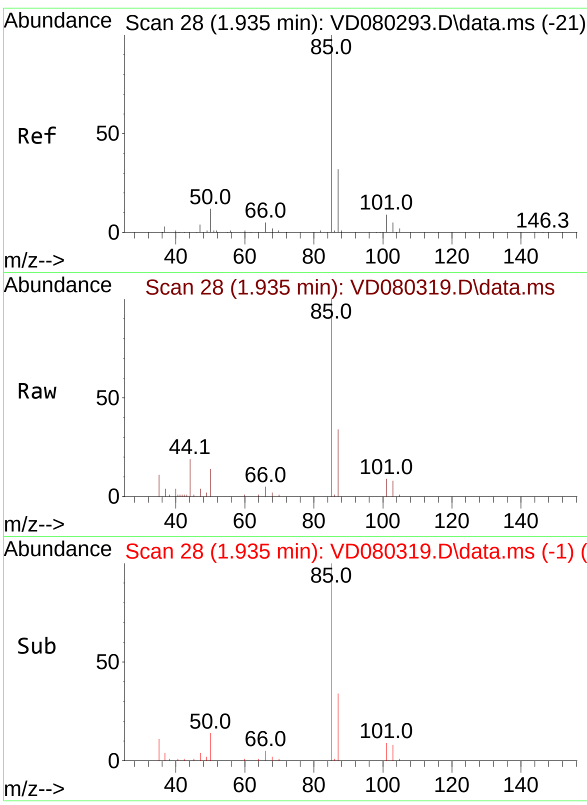
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

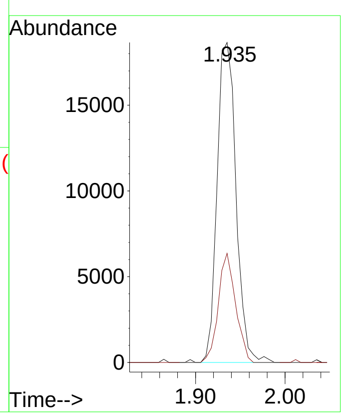




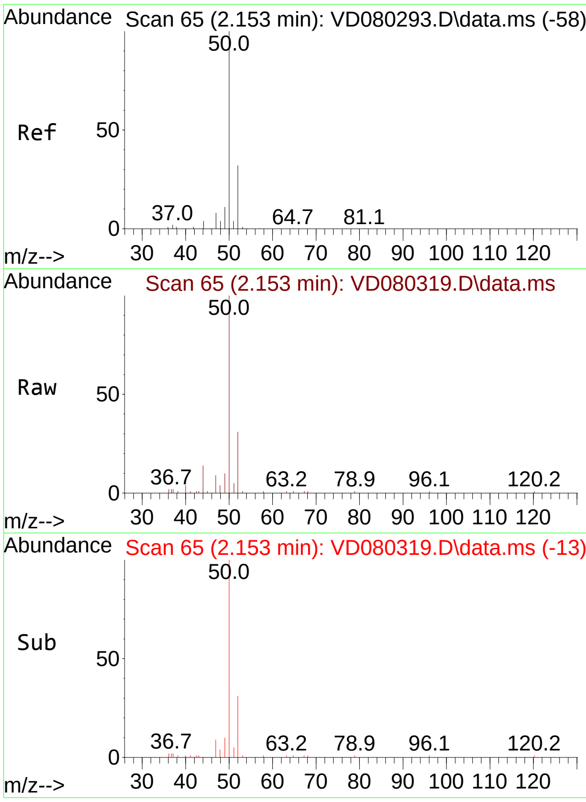
#2
Dichlorodifluoromethane
Concen: 26.254 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 85 Resp: 27472

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.1	48.2



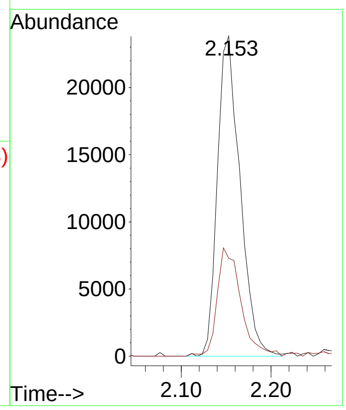
Sample Results: **VD080319.D**



#3
Chloromethane
Concen: 19.600 ug/l
RT: 2.153 min Scan# 6
Delta R.T. 0.007 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 50 Resp: 4177

Ion	Ratio	Lower	Upper
50	100		
52	30.6	28.8	43.2



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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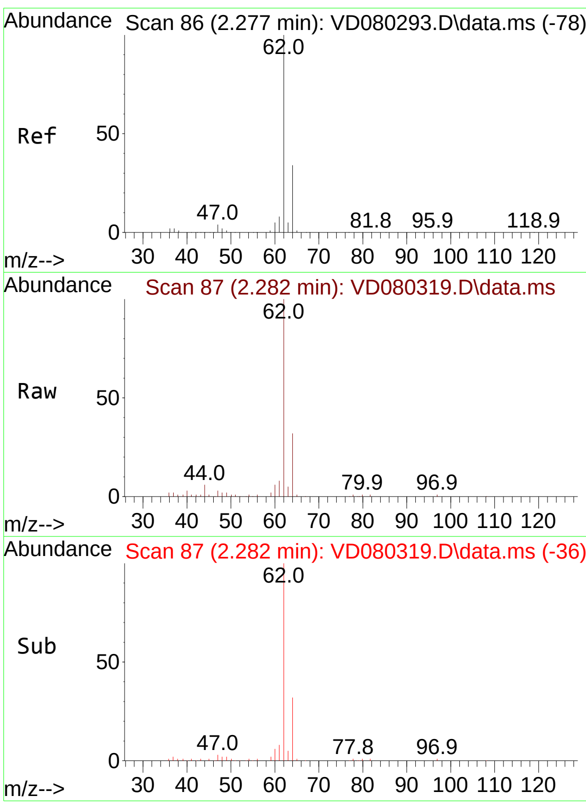
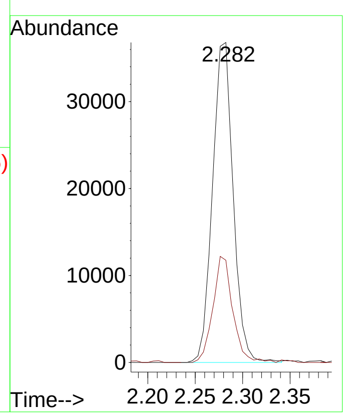
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



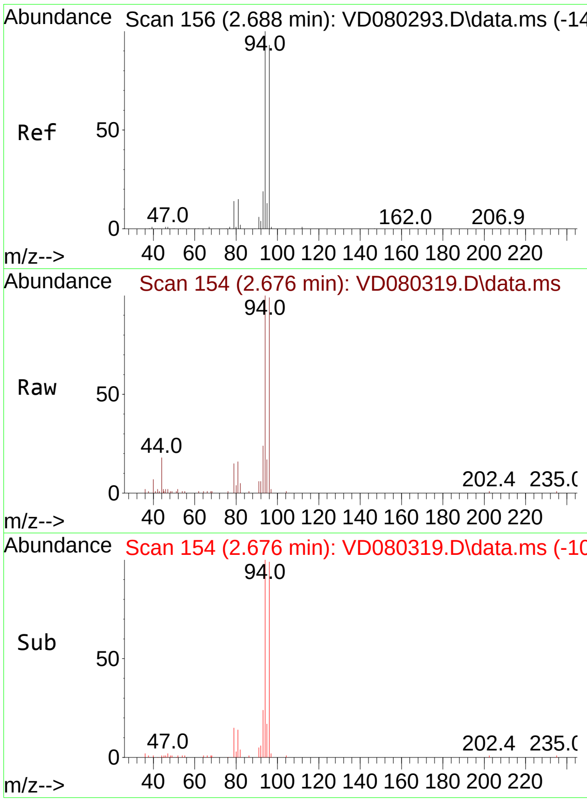
#4
Vinyl Chloride
Concen: 19.924 ug/l
RT: 2.282 min Scan# 87
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 62 Resp: 55671

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.5	39.7



Sample Results: **VD080319.D**



#5
Bromomethane
Concen: 20.461 ug/l
RT: 2.676 min Scan# 15
Delta R.T. -0.017 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 94 Resp: 41154

Ion	Ratio	Lower	Upper
94	100		
96	96.0	76.2	114.2

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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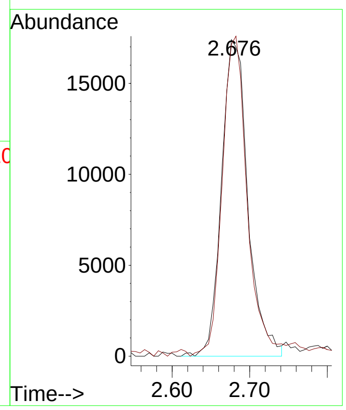
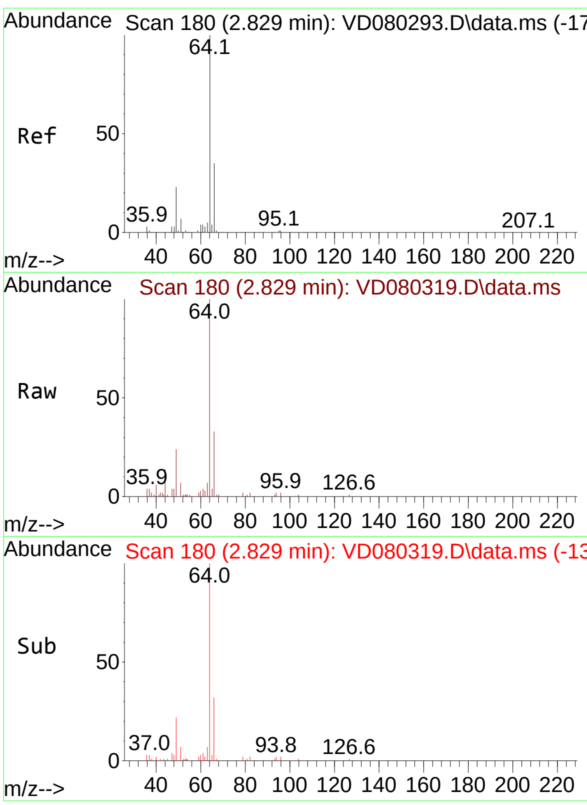
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

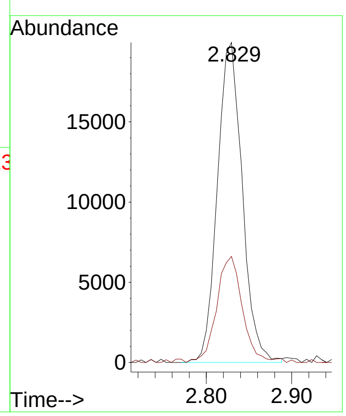


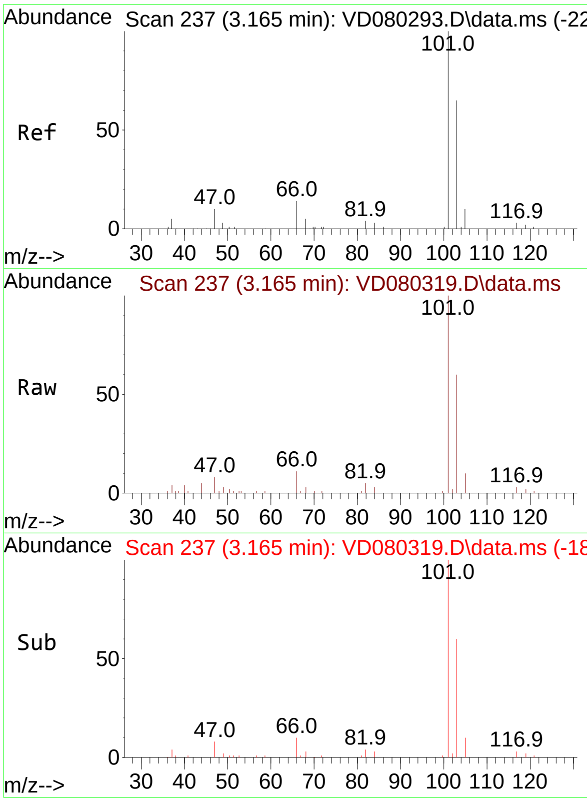


#6
Chloroethane
Concen: 20.493 ug/l
RT: 2.829 min Scan# 180
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 64 Resp: 40486

Ion	Ratio	Lower	Upper
64	100		
66	32.1	27.6	41.4





#7
Trichlorofluoromethane
Concen: 21.786 ug/l
RT: 3.165 min   Scan# 2
Delta R.T.   -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion:101 Resp: 4667

Ion	Ratio	Lower	Upper
101	100		
103	59.6	53.0	79.6

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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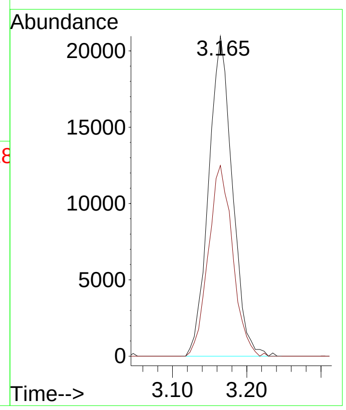
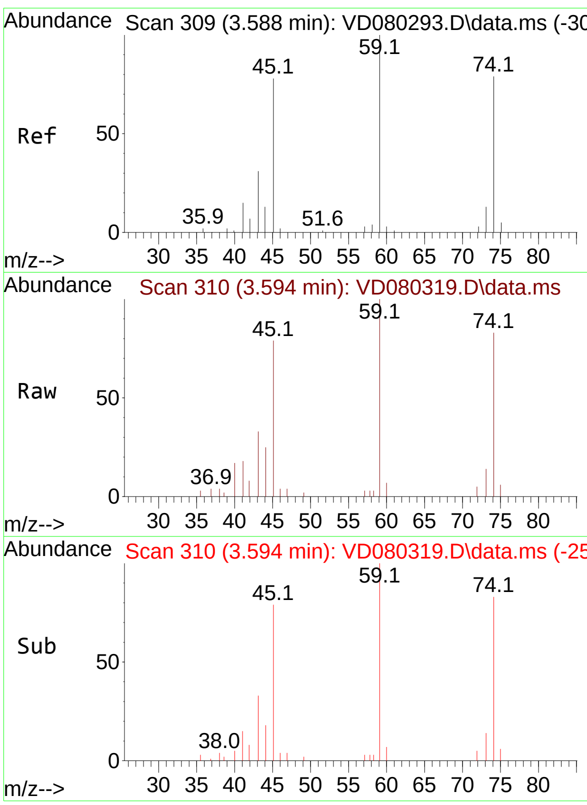
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

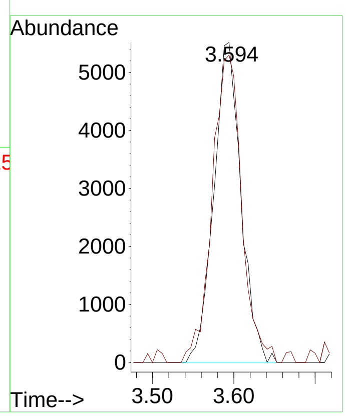


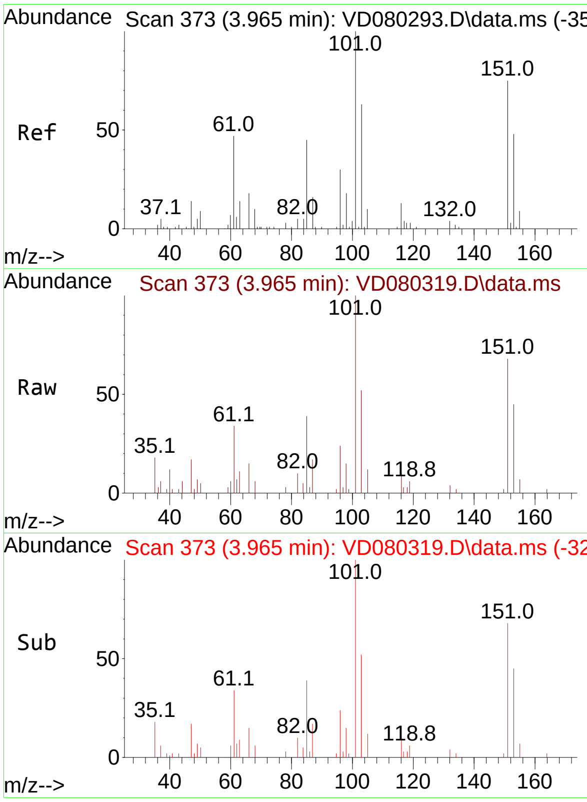


#8
Diethyl Ether
Concen: 19.422 ug/l
RT: 3.594 min   Scan# 310
Delta R.T.   0.001 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion: 74 Resp: 12845

Ion	Ratio	Lower	Upper
74	100		
45	104.2	47.8	143.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.488 ug/l
RT: 3.965 min Scan# 3
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion:101	Resp:	2836	
Ion	Ratio	Lower	Upper
101	100		
85	42.5	35.3	52.9
151	71.6	60.3	90.5

Manual Integrations
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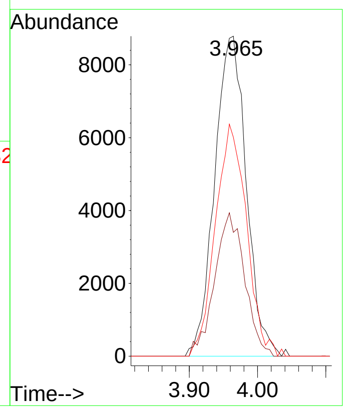
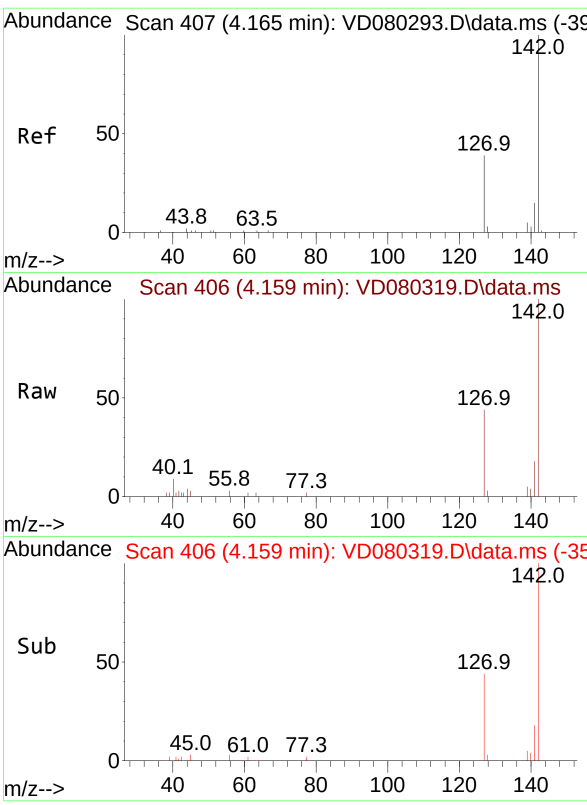
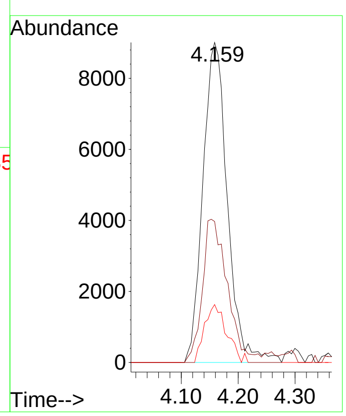
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



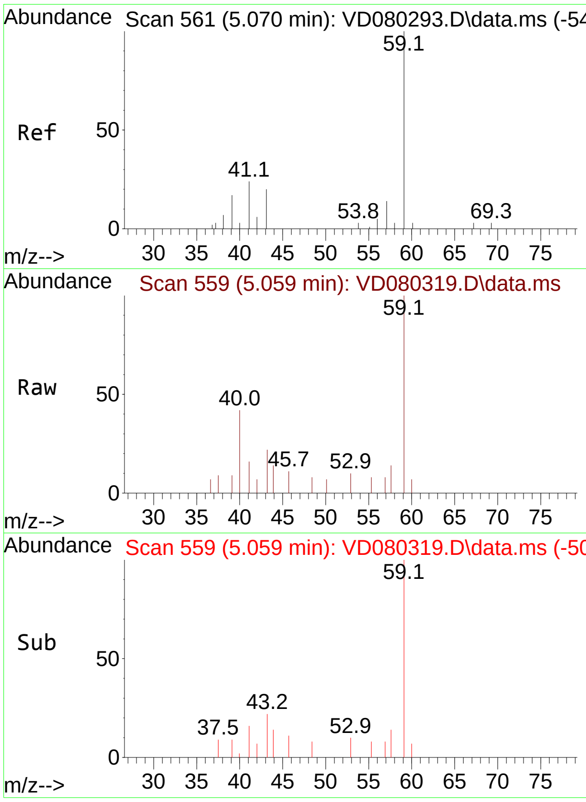


#10
Methyl Iodide
Concen: 20.012 ug/l
RT: 4.159 min Scan# 406
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:142	Resp:	26930	
Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	16.4	12.2	18.2



Sample Results: **VD080319.D**



#11
Tert butyl alcohol
Concen: 92.849 ug/l
RT: 5.059 min Scan# 5
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 59 Resp: 783

Ion	Ratio	Lower	Upper
59	100		
57	11.0	4.8	7.2

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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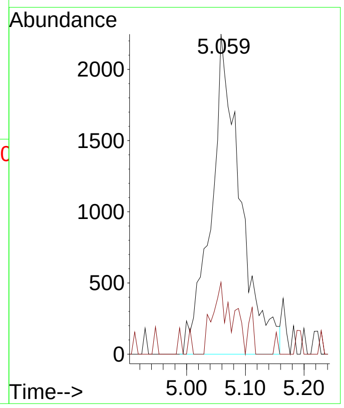
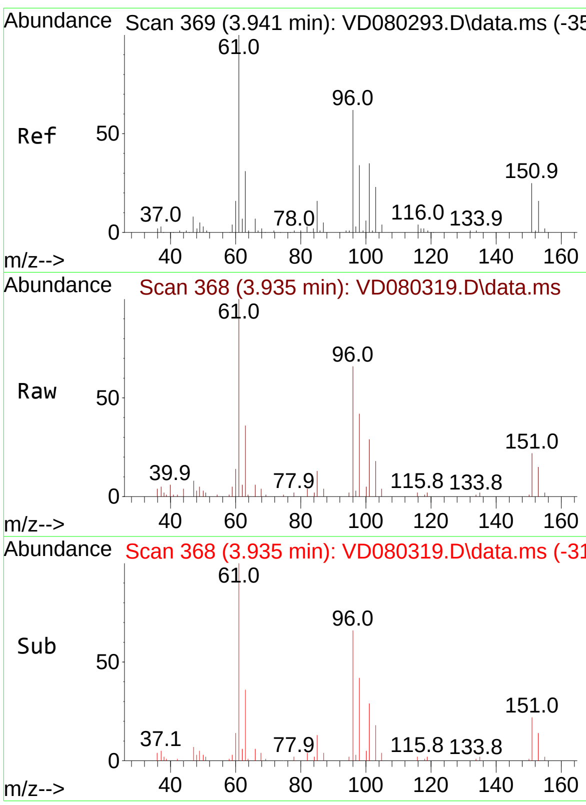
Supervised By :Semsettin Yesilyurt 05/15/2025

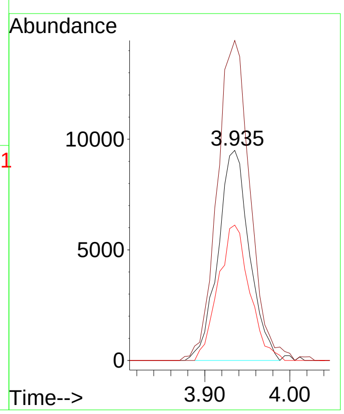




#12
1,1-Dichloroethene
Concen: 18.762 ug/l
RT: 3.935 min Scan# 368
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 96 Resp: 24417

Ion	Ratio	Lower	Upper
96	100		
61	152.3	122.6	184.0
98	64.4	47.1	70.7



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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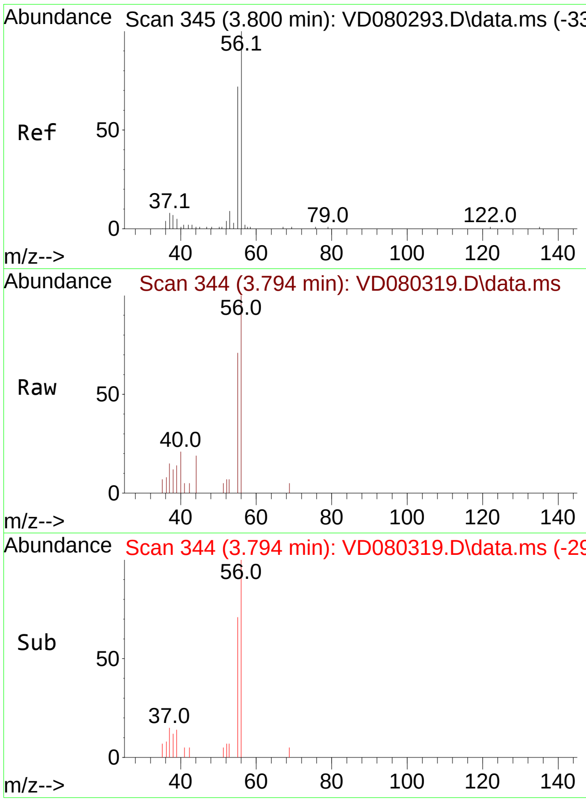
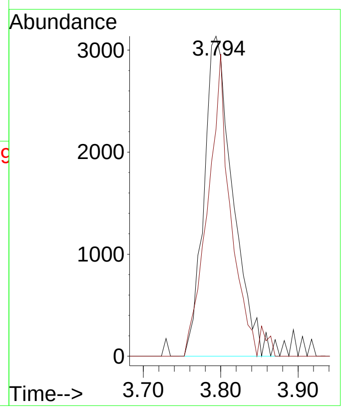
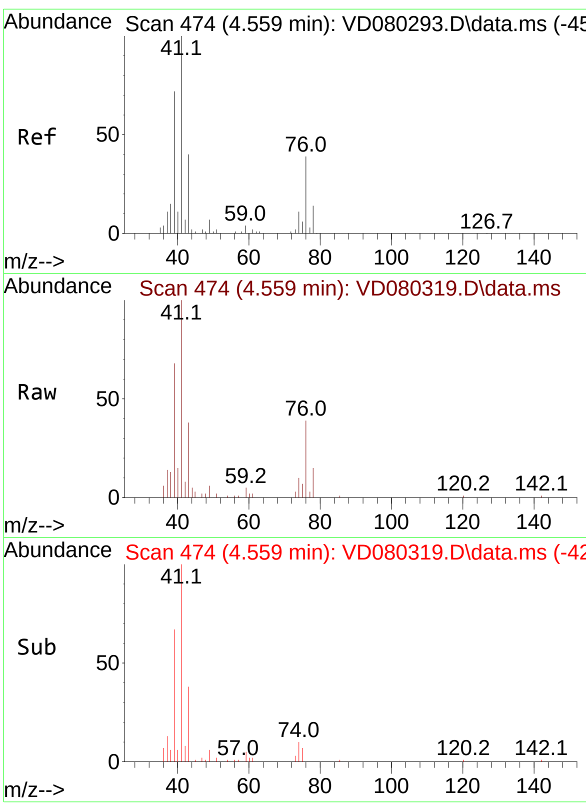
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#13
Acrolein
Concen:   55.136 ug/l
RT:   3.794 min   Scan# 34
Delta R.T.   0.001 min
Lab File:    VD080319.D
Acq: 14 May 2025   13:29

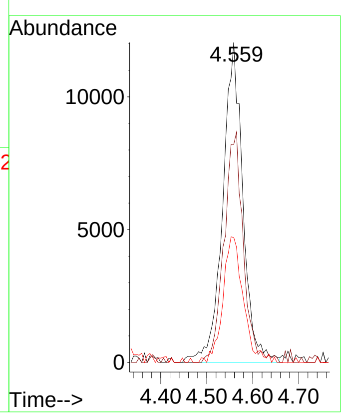
Tgt Ion: 56 Resp:    818
Ion   Ratio   Lower   Upper
 56   100
 55    74.0    58.2    87.2
```






```
#14
Allyl chloride
Concen:   17.980 ug/l
RT:   4.559 min   Scan# 474
Delta R.T.   -0.005 min
Lab File:    VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion: 41 Resp:    36801
Ion   Ratio   Lower   Upper
 41   100
 39    68.8    53.3    79.9
 76    39.7    32.0    48.0
```



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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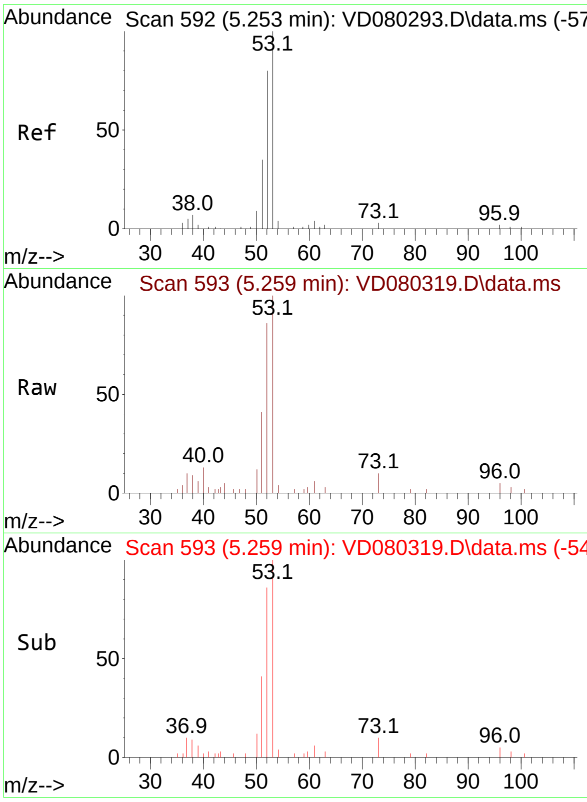
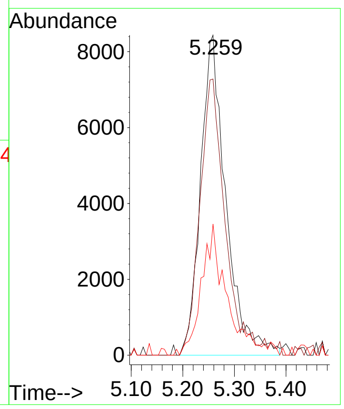
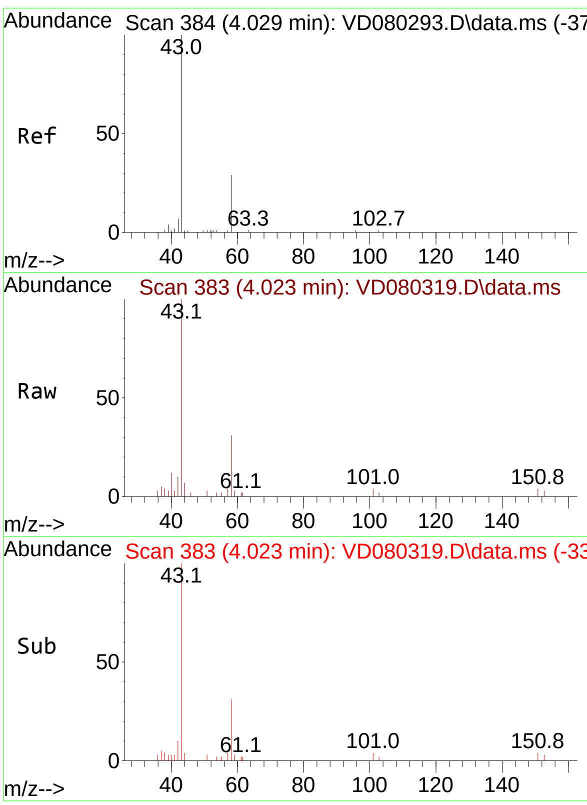
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#15
Acrylonitrile
Concen:   90.745 ug/l
RT:    5.259 min   Scan# 59
Delta R.T.   0.007 min
Lab File:    VD080319.D
Acq: 14 May 2025   13:29

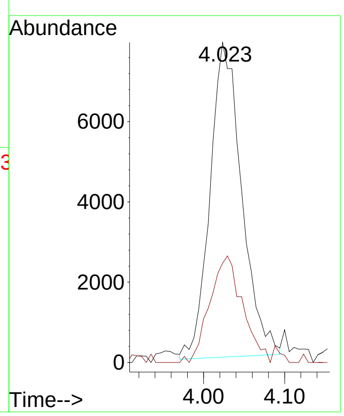
Tgt Ion: 53 Resp:    2885
Ion   Ratio   Lower   Upper
 53   100
 52    84.9    66.2    99.4
 51    39.8    30.3    45.5
```






```
#16
Acetone
Concen:   89.429 ug/l
RT:    4.023 min   Scan# 383
Delta R.T.   0.000 min
Lab File:    VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion: 43 Resp:    21334
Ion   Ratio   Lower   Upper
 43   100
 58    29.5    25.4    38.2
```



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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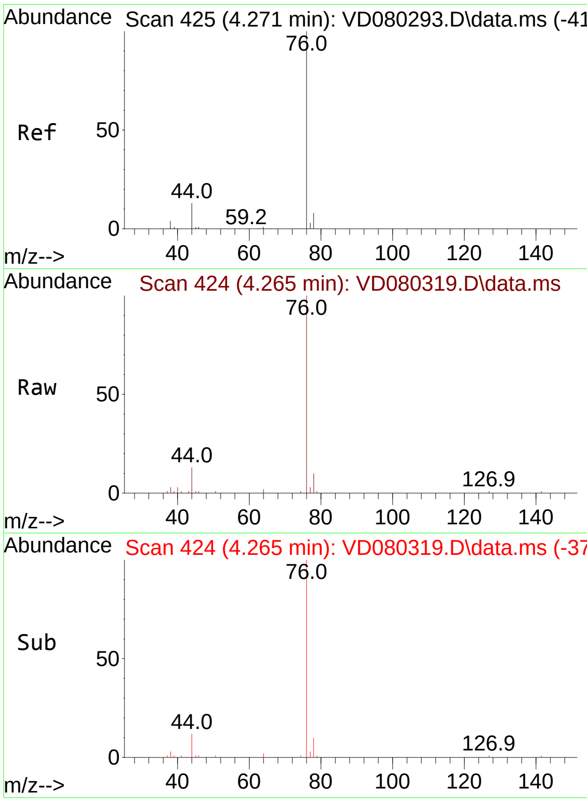
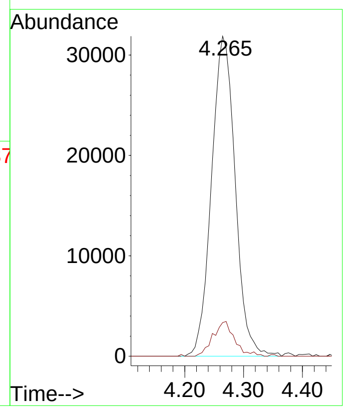
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

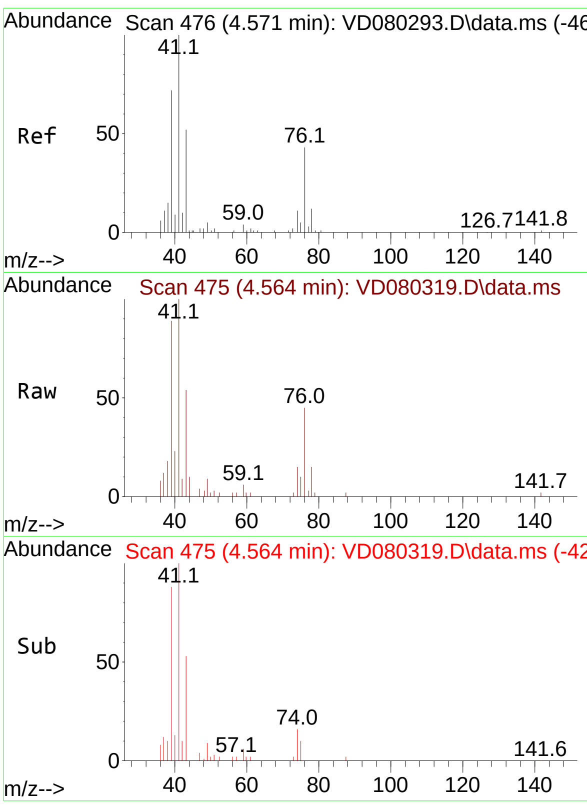


#17
Carbon Disulfide
Concen: 19.737 ug/l
RT: 4.265 min Scan# 4
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 76 Resp: 8919

Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.5	11.3

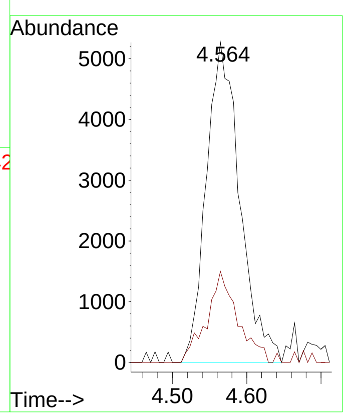




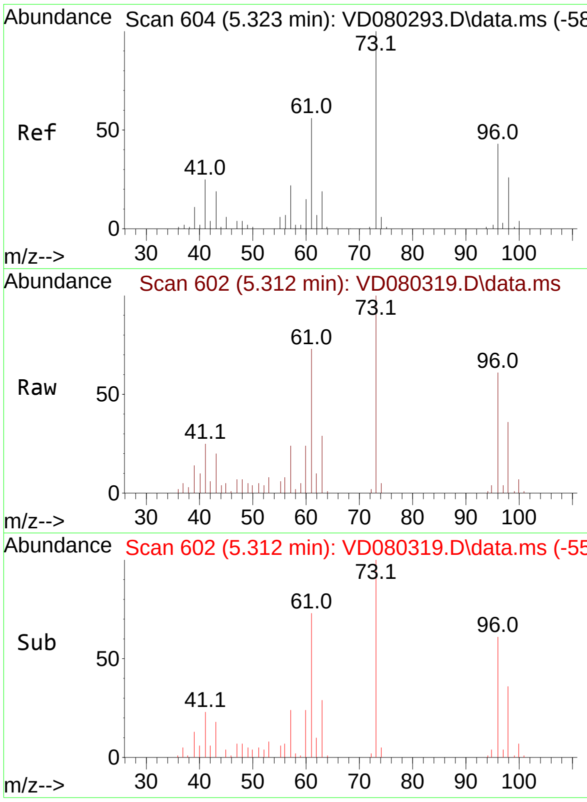
#18
Methyl Acetate
Concen: 18.423 ug/l
RT: 4.564 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 43 Resp: 16569

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.5	30.7



Sample Results: **VD080319.D**



#19
Methyl tert-butyl Ether
Concen: 18.756 ug/l
RT: 5.312 min Scan# 6
Delta R.T. -0.010 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion: 73 Resp: 5362

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.8	28.2

Manual Integrations
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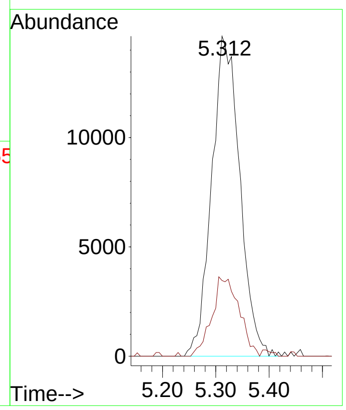
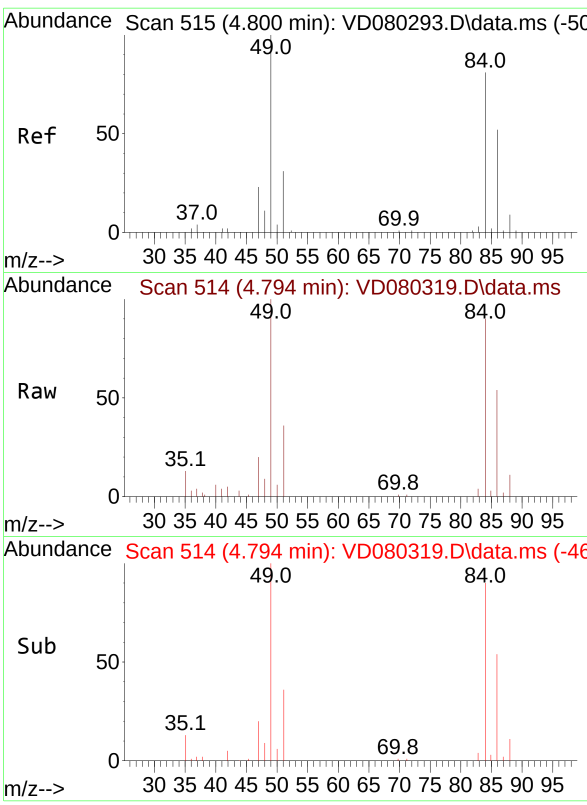
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

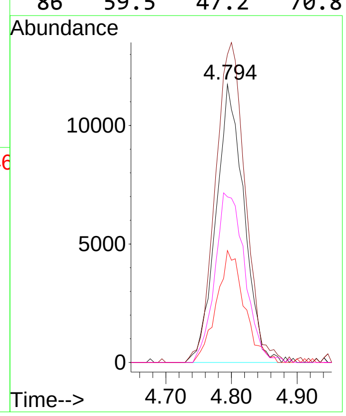




#20
Methylene Chloride
Concen: 21.194 ug/l
RT: 4.794 min Scan# 514
Delta R.T. -0.011 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 84 Resp: 34732

Ion	Ratio	Lower	Upper
84	100		
49	109.4	86.5	129.7
51	40.3	26.9	40.3
86	59.5	47.2	70.8



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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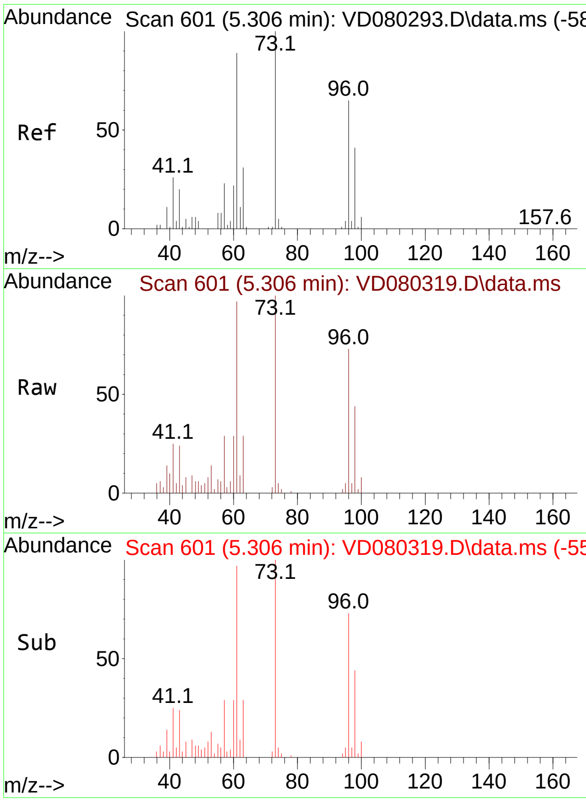
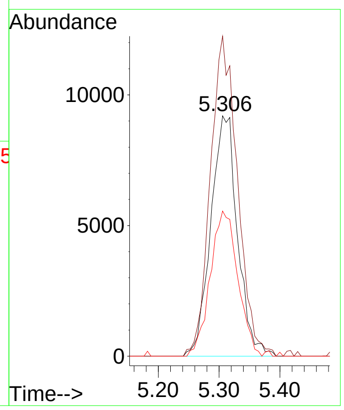
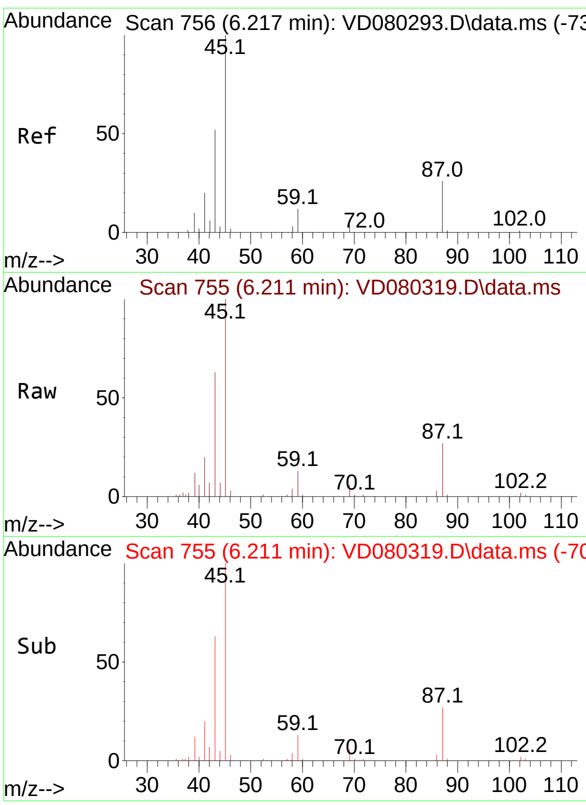
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#21
trans-1,2-Dichloroethene
Concen:   19.899 ug/l
RT:   5.306 min  Scan# 6
Delta R.T.  -0.005 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

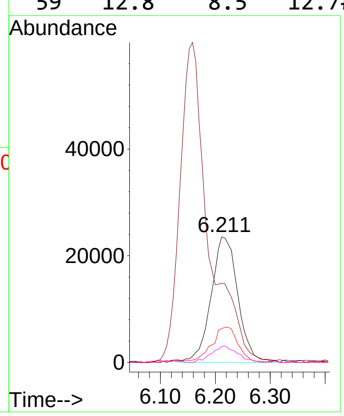
Tgt Ion: 96 Resp:   2813
Ion  Ratio  Lower  Upper
 96  100
 61  133.1  109.4  164.0
 98   60.4   49.8   74.8
```

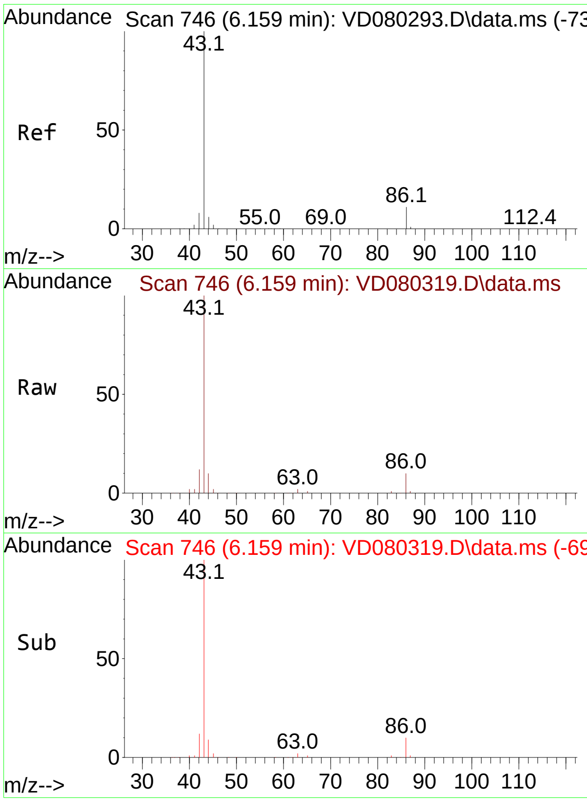





```
#22
Diisopropyl ether
Concen:   18.935 ug/l
RT:   6.211 min  Scan# 755
Delta R.T.  -0.005 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion: 45 Resp:   79835
Ion  Ratio  Lower  Upper
 45  100
 43   60.9   42.6   63.8
 87   27.0   22.7   34.1
 59   12.8    8.5   12.7#
```





#23
Vinyl Acetate
Concen: 88.567 ug/l
RT: 6.159 min Scan# 7
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion: 43 Resp: 21749

Ion	Ratio	Lower	Upper
43	100		
86	10.3	9.4	14.0

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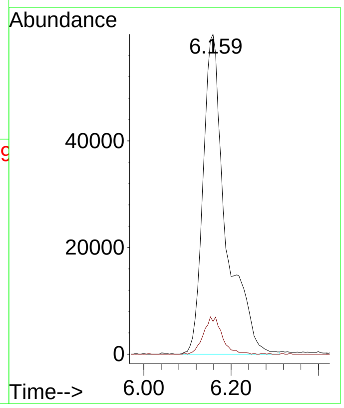
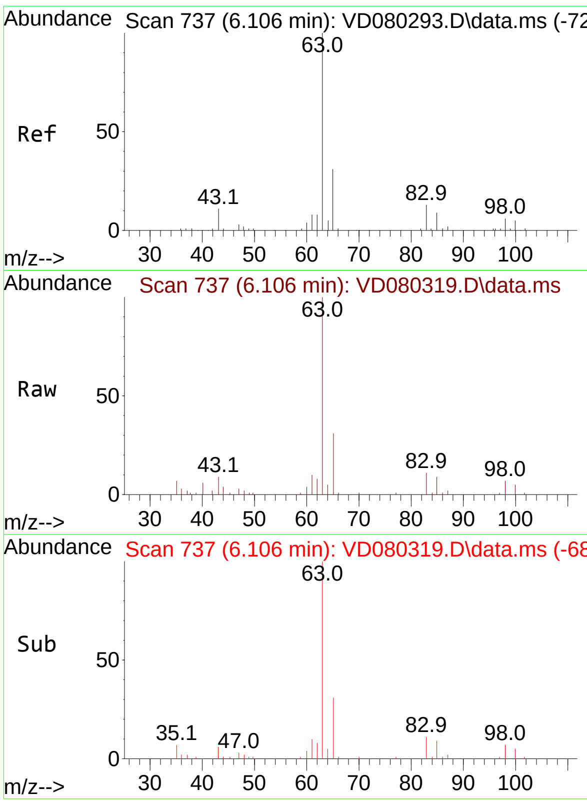
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

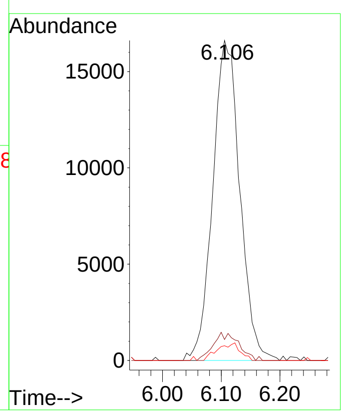




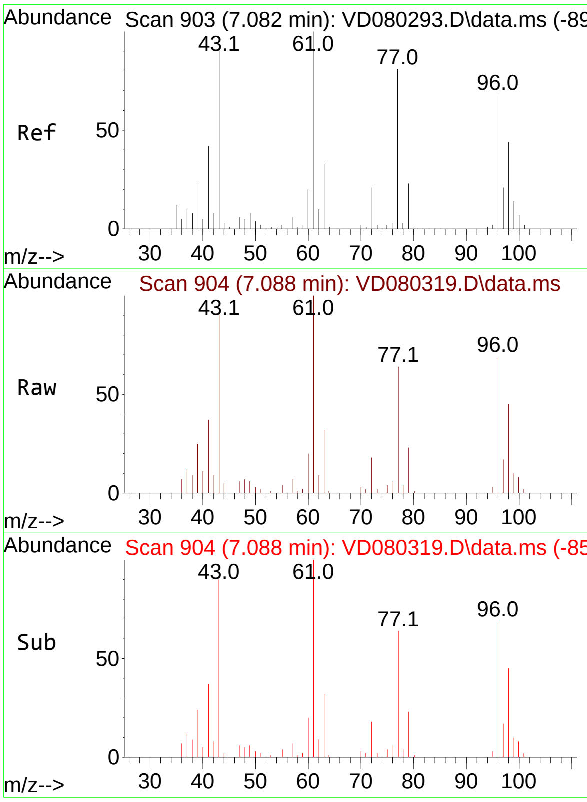
#24
1,1-Dichloroethane
Concen: 20.093 ug/l
RT: 6.106 min Scan# 737
Delta R.T. -0.011 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 63 Resp: 53309

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	4.6	2.1	6.5



Sample Results: **VD080319.D**



#25
2-Butanone
Concen: 89.452 ug/l
RT: 7.088 min Scan# 90
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 43 Resp: 3420

Ion	Ratio	Lower	Upper
43	100		
72	19.4	22.3	33.5

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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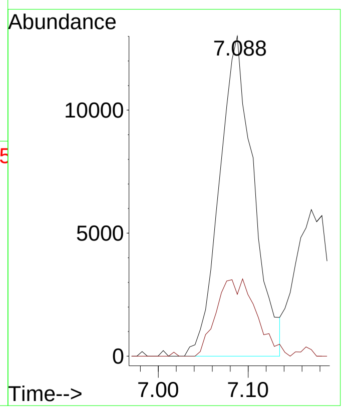
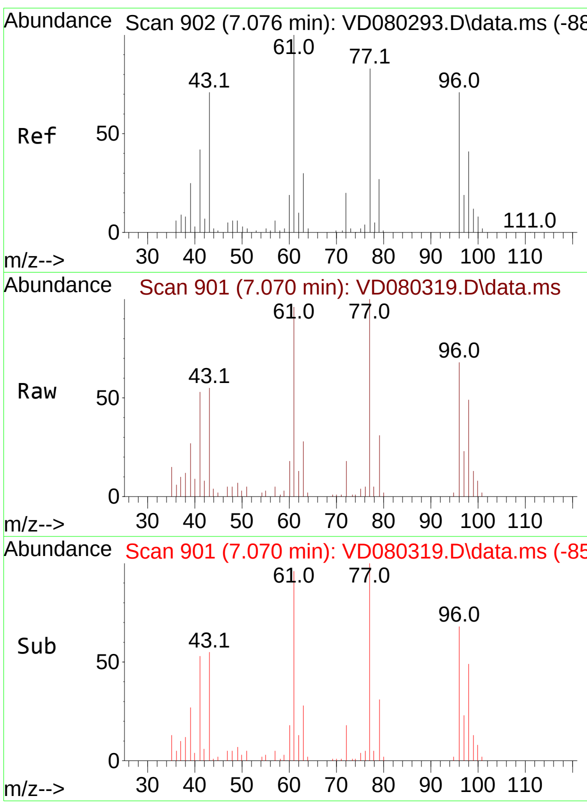
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

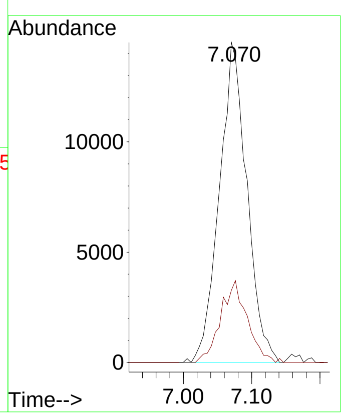


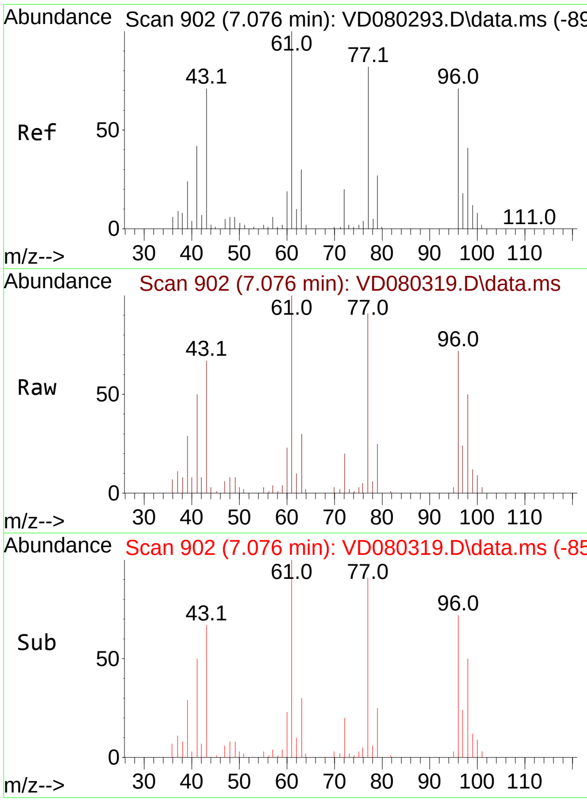


#26
2,2-Dichloropropane
Concen: 19.311 ug/l
RT: 7.070 min Scan# 901
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 77 Resp: 40770

Ion	Ratio	Lower	Upper
77	100		
97	24.8	11.9	35.9





#27
cis-1,2-Dichloroethene
Concen: 19.841 ug/l
RT: 7.076 min   Scan# 90
Delta R.T.   -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion: 96 Resp: 3108

Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	278.2
98	67.1	0.0	127.8

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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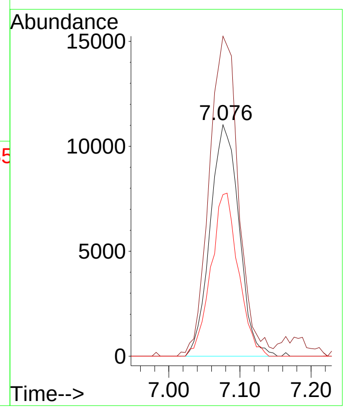
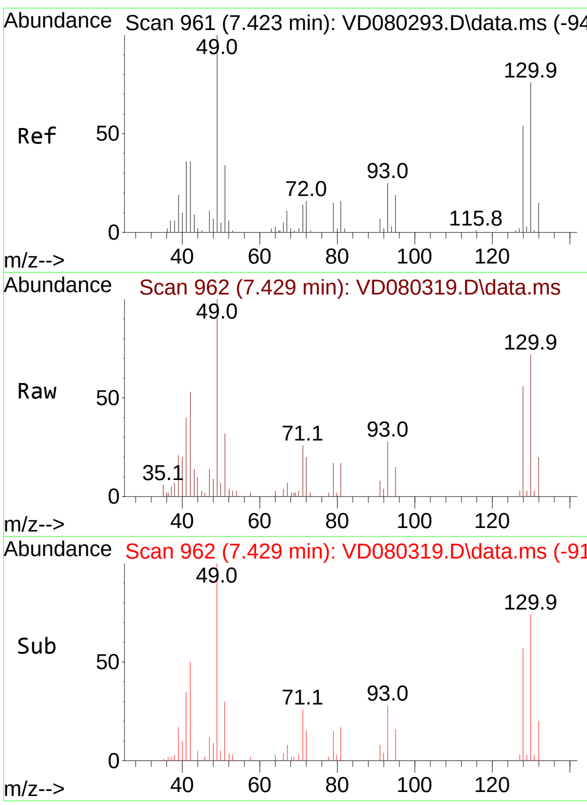
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

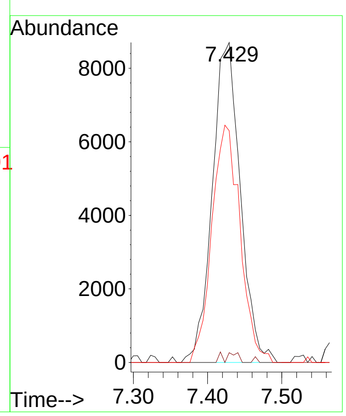




#28
Bromochloromethane
Concen: 18.538 ug/l
RT: 7.429 min   Scan# 962
Delta R.T.   0.001 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion: 49 Resp: 22901

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.2
130	74.8	64.6	97.0



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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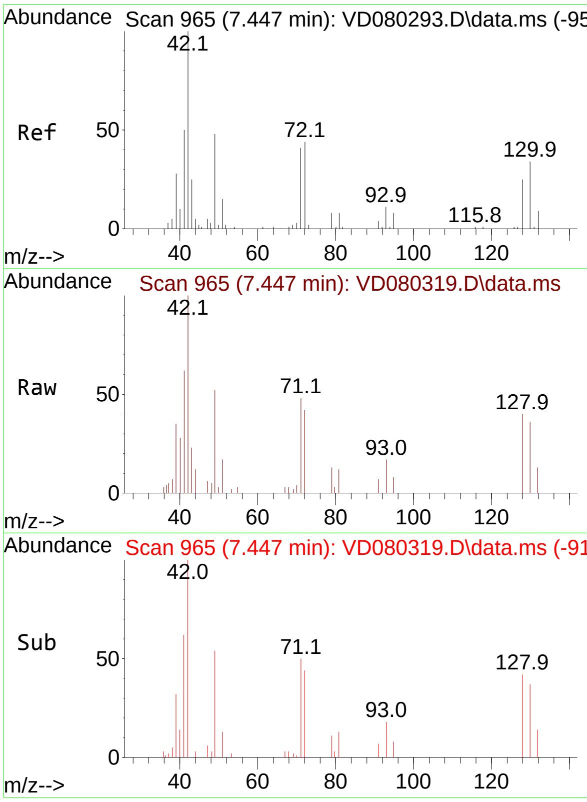
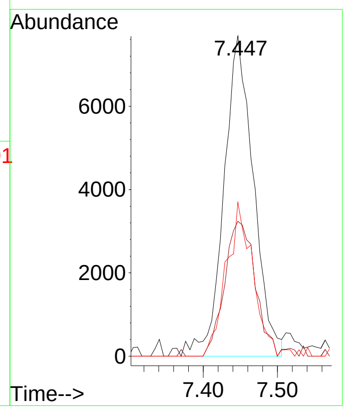
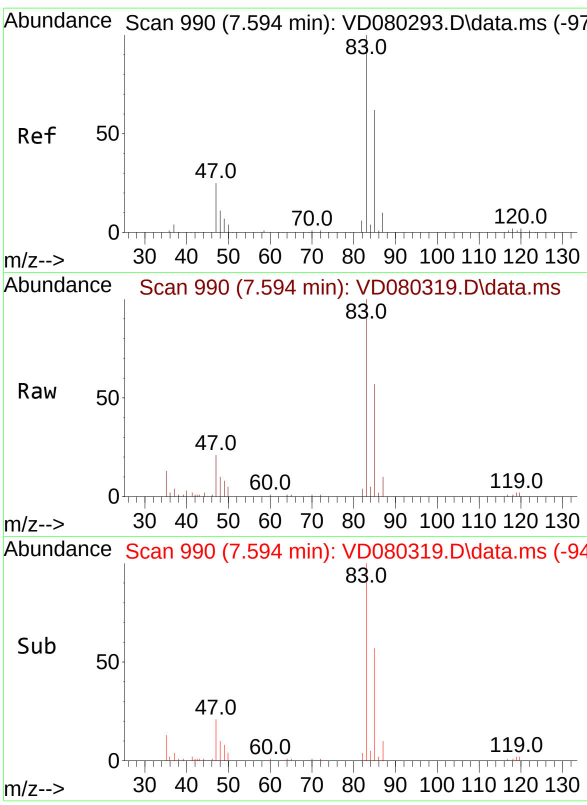



```
#29
Tetrahydrofuran
Concen:   85.543 ug/l
RT:   7.447 min  Scan# 9
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

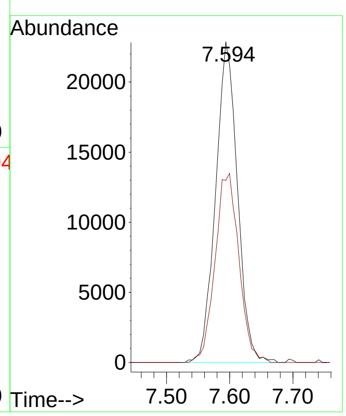
Tgt Ion: 42 Resp:   2133
Ion  Ratio  Lower  Upper
 42  100
 72   43.7   36.7   55.1
 71   43.1   34.4   51.6
```



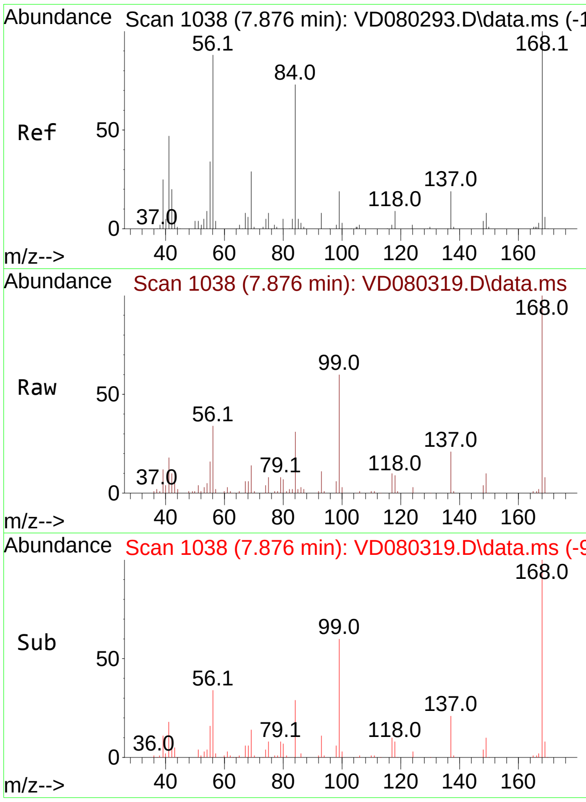



```
#30
Chloroform
Concen:   20.791 ug/l
RT:   7.594 min  Scan# 990
Delta R.T.  -0.005 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion: 83 Resp:   55010
Ion  Ratio  Lower  Upper
 83  100
 85   56.9   50.8   76.2
```



Sample Results: **VD080319.D**



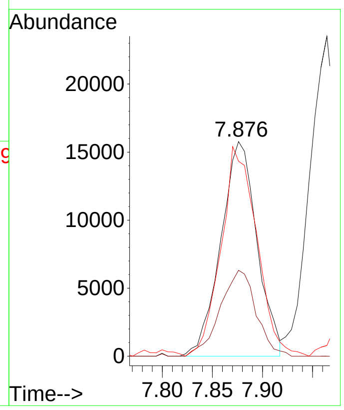
#31
Cyclohexane
Concen: 17.581 ug/l
RT: 7.876 min Scan# 1(
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

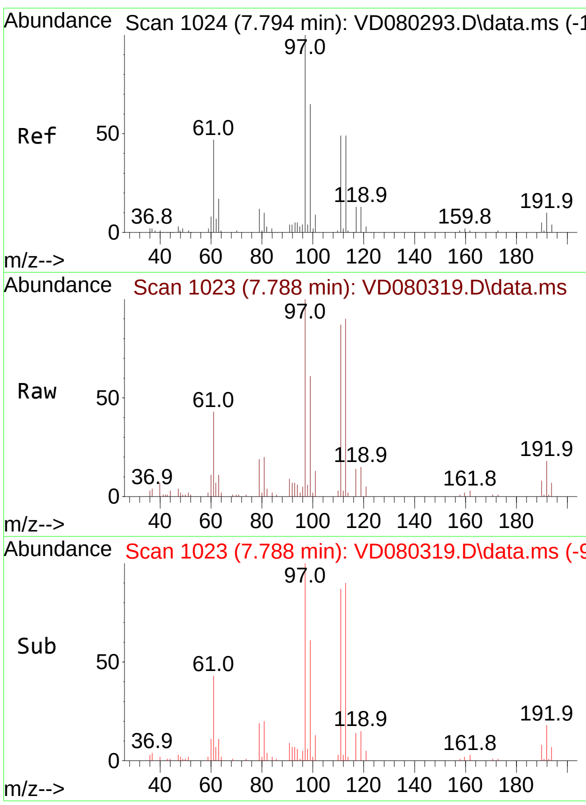
Tgt Ion: 56 Resp: 3969

Ion	Ratio	Lower	Upper
56	100		
69	40.0	27.3	40.9
84	89.7	70.2	105.4

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

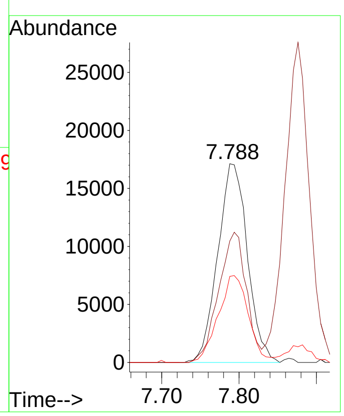




#32
1,1,1-Trichloroethane
Concen: 21.206 ug/l
RT: 7.788 min Scan# 1023
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 97 Resp: 45775

Ion	Ratio	Lower	Upper
97	100		
99	61.5	50.7	76.1
61	44.6	34.2	51.2



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/15/2025
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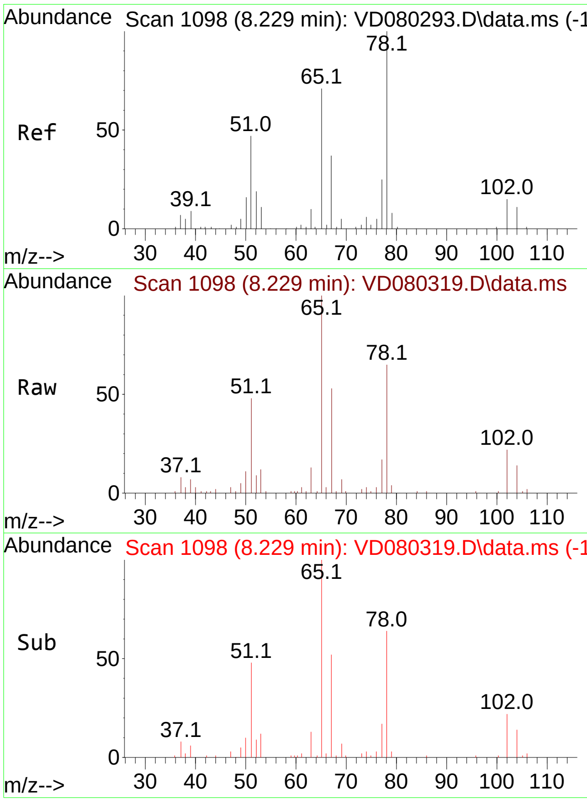
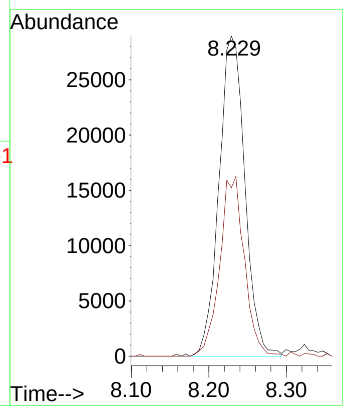
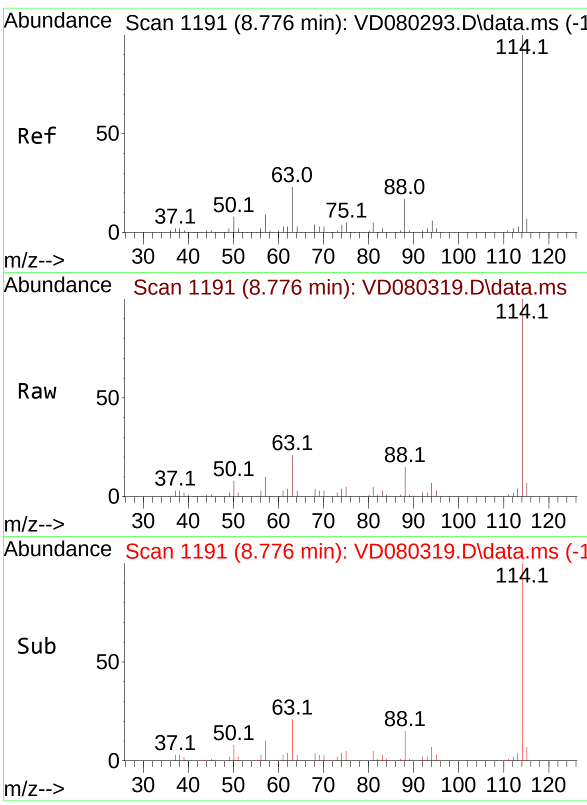



```
#33
1,2-Dichloroethane-d4
Concen:   48.391 ug/l
RT:   8.229 min  Scan# 1(
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

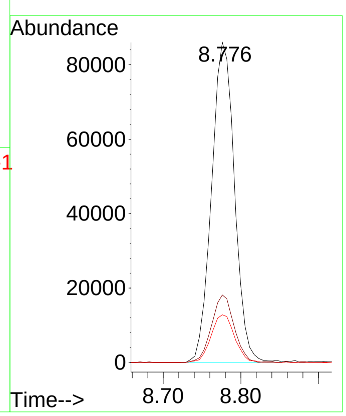
Tgt Ion: 65 Resp:   6725
Ion  Ratio  Lower  Upper
 65  100
 67   53.4    0.0  109.2
```

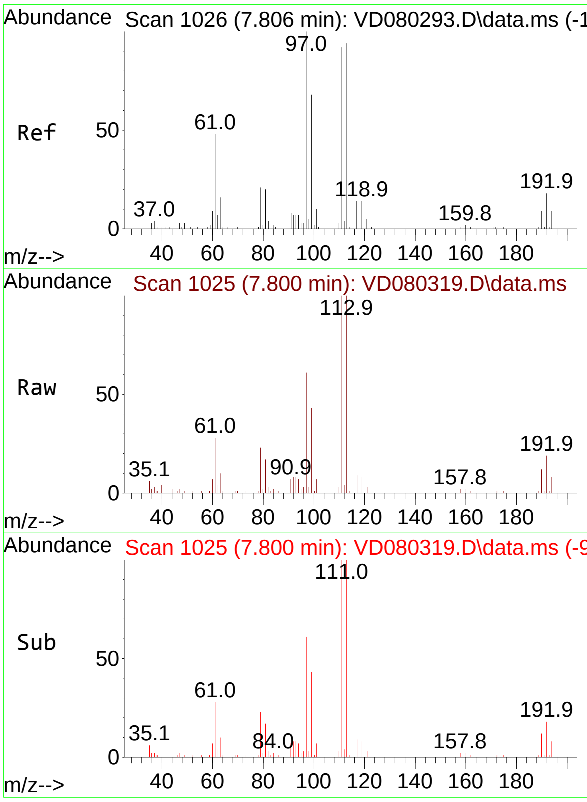





```
#34
1,4-Difluorobenzene
Concen:   50.000 ug/l
RT:   8.776 min  Scan# 1191
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion:114 Resp:  177282
Ion  Ratio  Lower  Upper
114  100
 63   21.1    0.0   38.8
 88   14.9    0.0   30.6
```

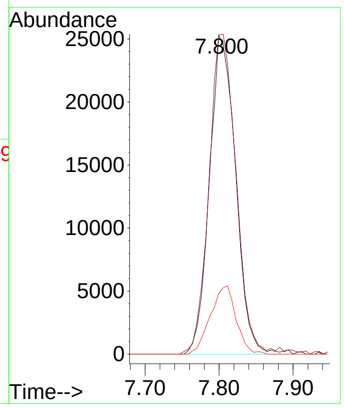




#35
Dibromofluoromethane
Concen: 52.194 ug/l
RT: 7.800 min Scan# 10
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:113 Resp: 6201

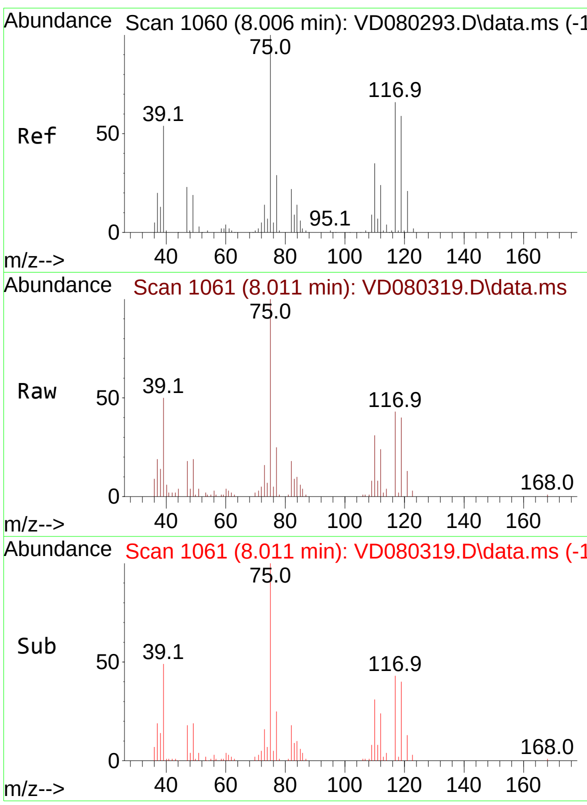
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.5	123.7
192	21.1	16.6	25.0



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

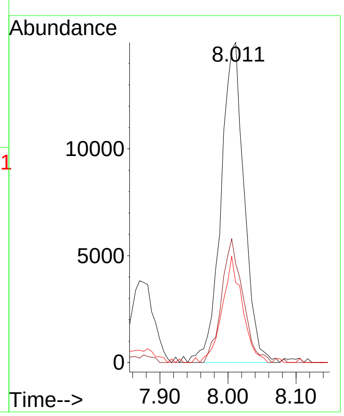
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

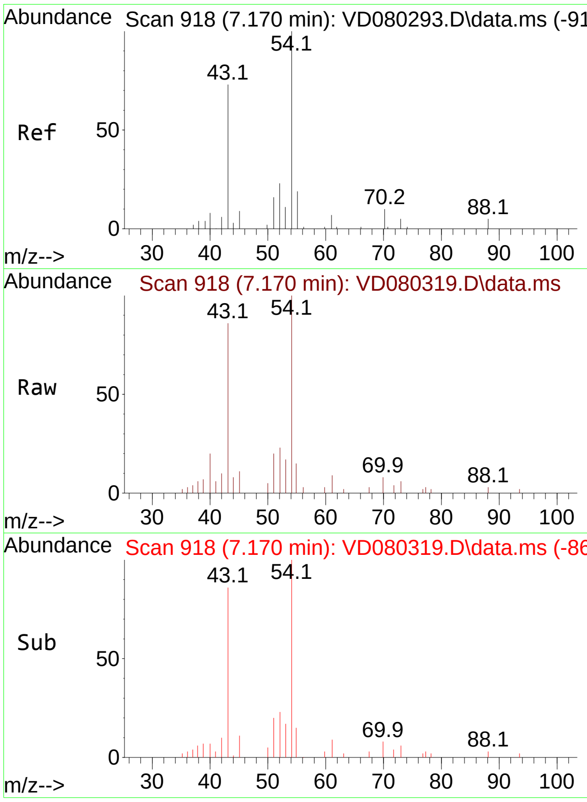


#36
1,1-Dichloropropene
Concen: 20.085 ug/l
RT: 8.011 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 75 Resp: 35667

Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.4	55.0
77	28.9	25.6	38.4





#37
Ethyl Acetate
Concen: 18.308 ug/l
RT: 7.170 min Scan# 9
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

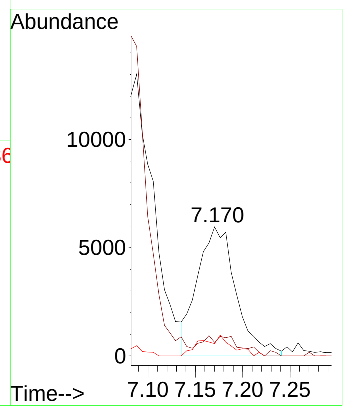
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

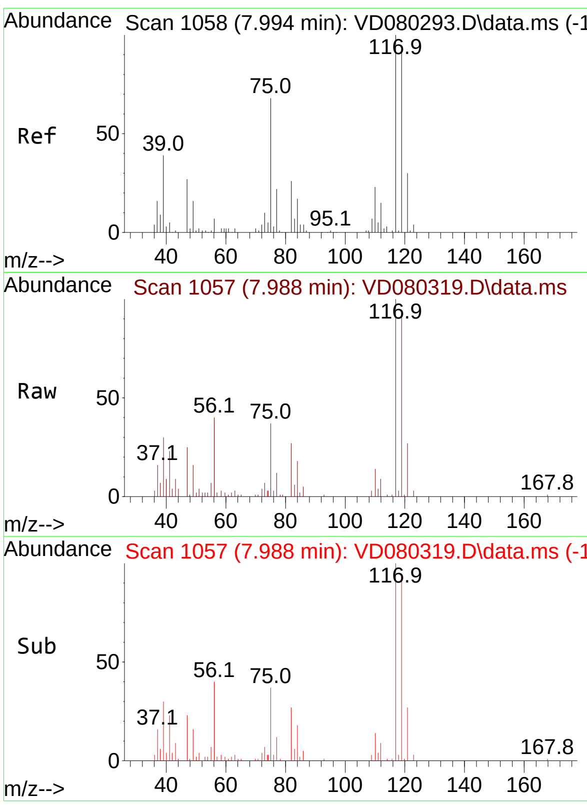
Tgt Ion: 43 Resp: 1700

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4
70	6.5	9.4	14.2

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

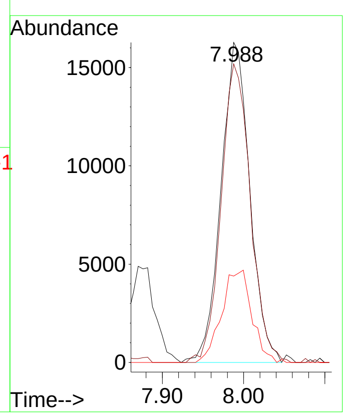




#38
Carbon Tetrachloride
Concen: 21.695 ug/l
RT: 7.988 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:117 Resp: 40179

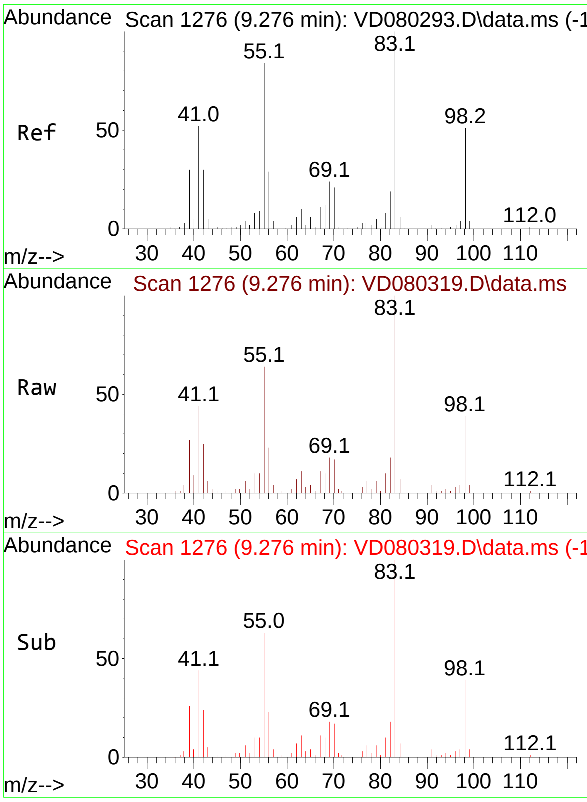
Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.0
121	27.0	24.5	36.7



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

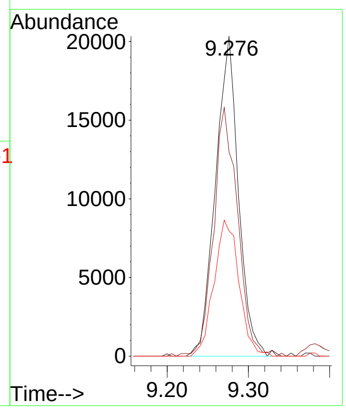
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

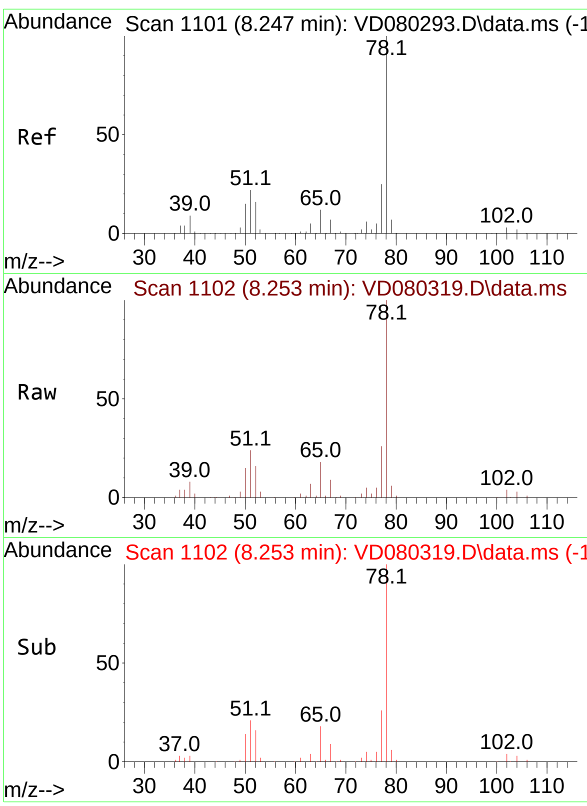


#39
Methylcyclohexane
Concen: 19.443 ug/l
RT: 9.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 83 Resp: 4006

Ion	Ratio	Lower	Upper
83	100		
55	63.1	62.0	93.0
98	39.2	38.7	58.1

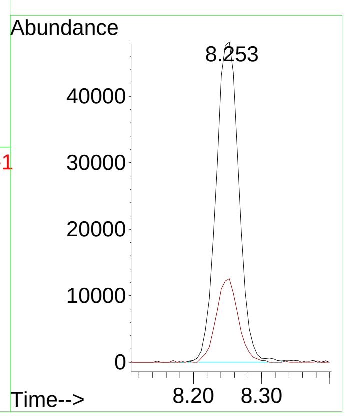




#40
Benzene
Concen: 20.381 ug/l
RT: 8.253 min Scan# 1102
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 78 Resp: 113402

Ion	Ratio	Lower	Upper
78	100		
77	26.1	20.2	30.4



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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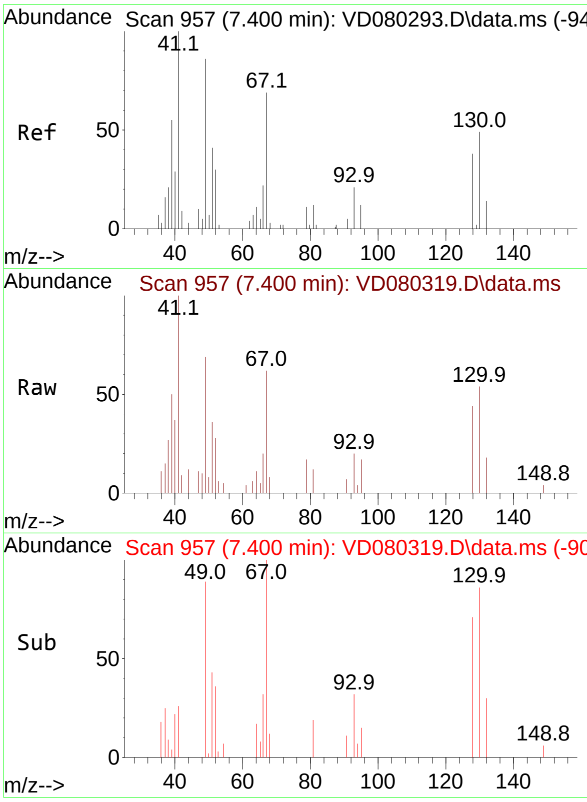
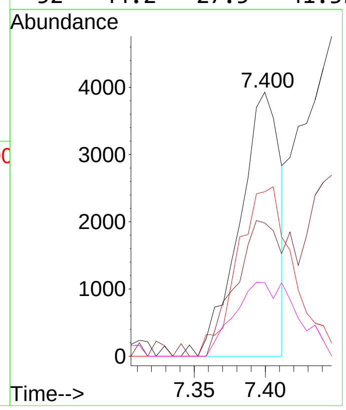
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

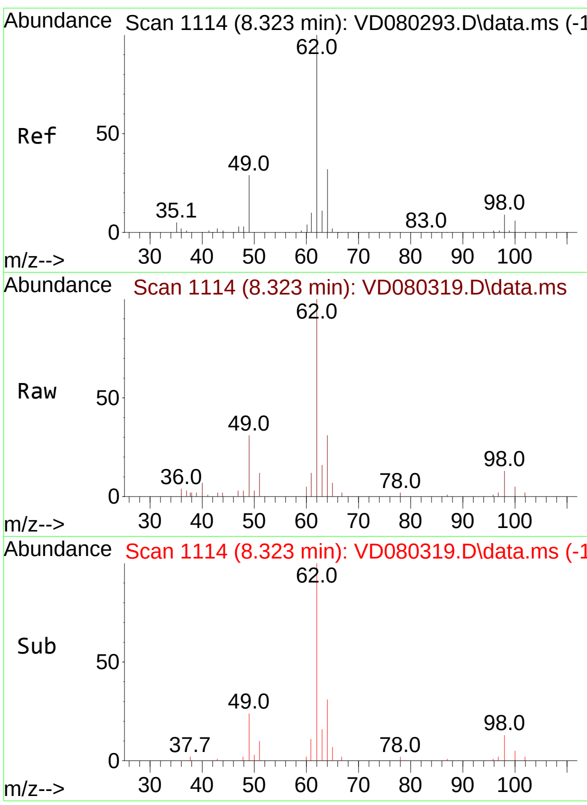


#41
Methacrylonitrile
Concen: 15.095 ug/l
RT: 7.400 min Scan# 9
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 41 Resp: 775

Ion	Ratio	Lower	Upper
41	100		
39	70.6	47.8	71.8
67	88.5	64.9	97.3
52	44.2	27.5	41.3#

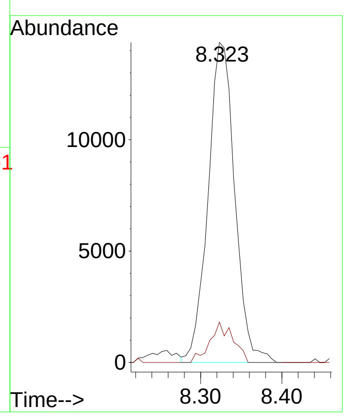


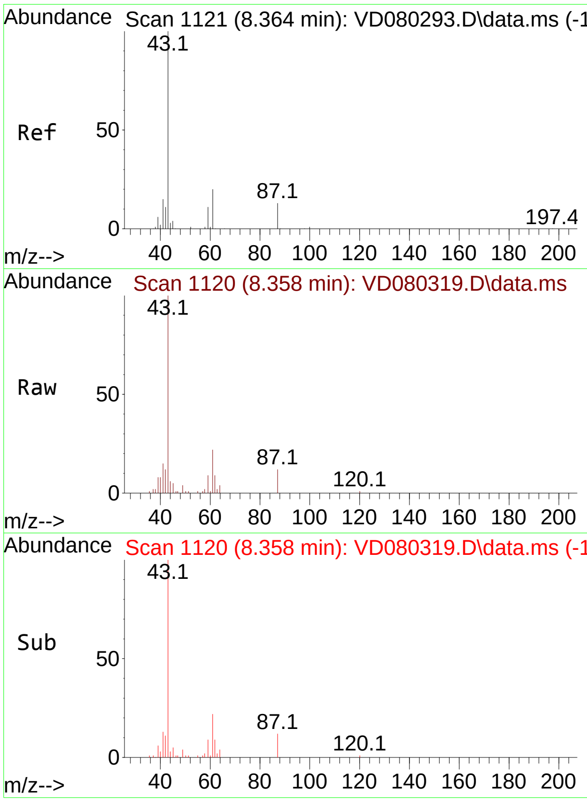


#42
1,2-Dichloroethane
Concen: 20.410 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 62 Resp: 32908

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.8





#43
Isopropyl Acetate
Concen: 18.657 ug/l
RT: 8.358 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion: 43 Resp: 3141

Ion	Ratio	Lower	Upper
43	100		
61	33.5	26.2	39.2
87	13.5	11.8	17.8

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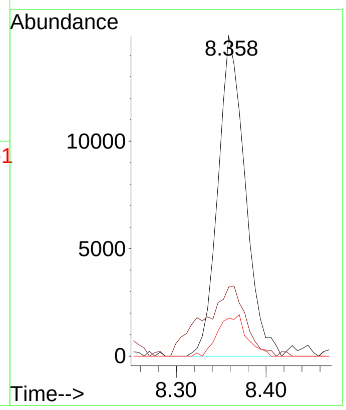
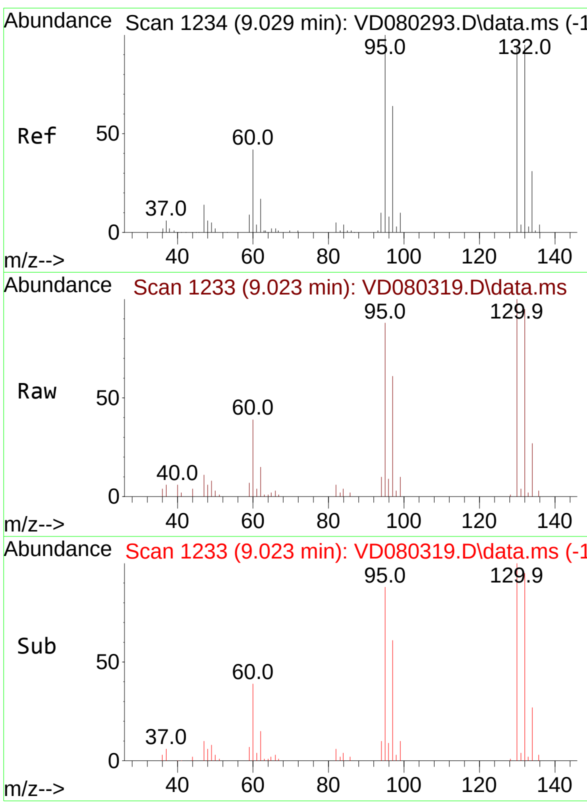
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

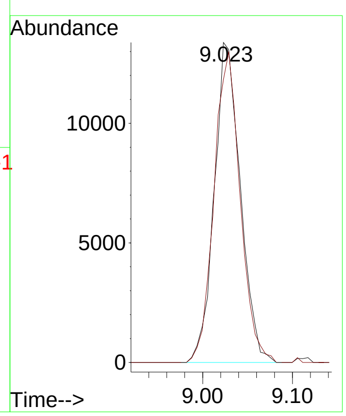




#44
Trichloroethene
Concen: 20.879 ug/l
RT: 9.023 min   Scan# 1233
Delta R.T.   -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion:130 Resp: 26968

Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	194.6



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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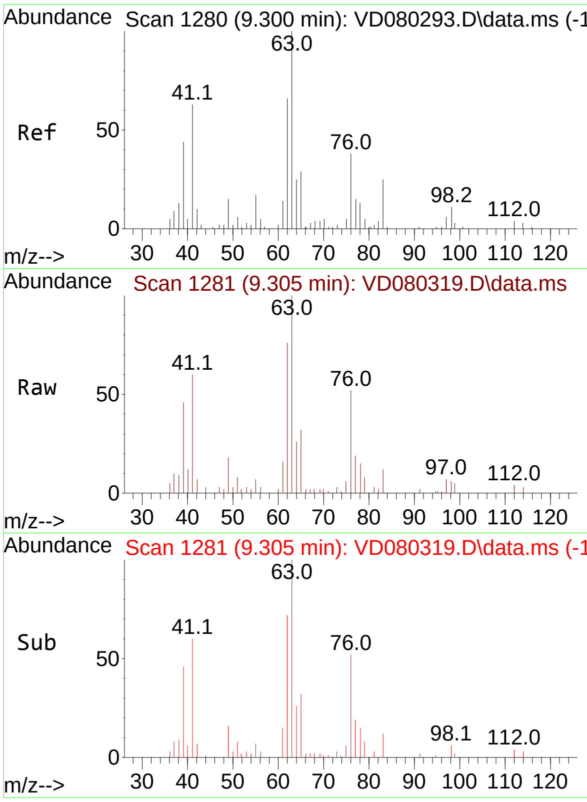
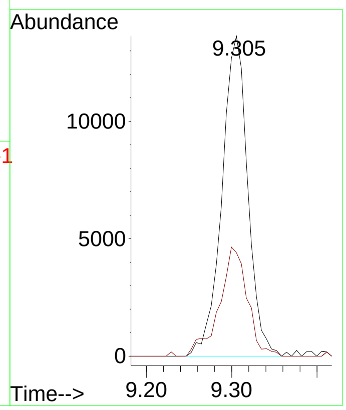
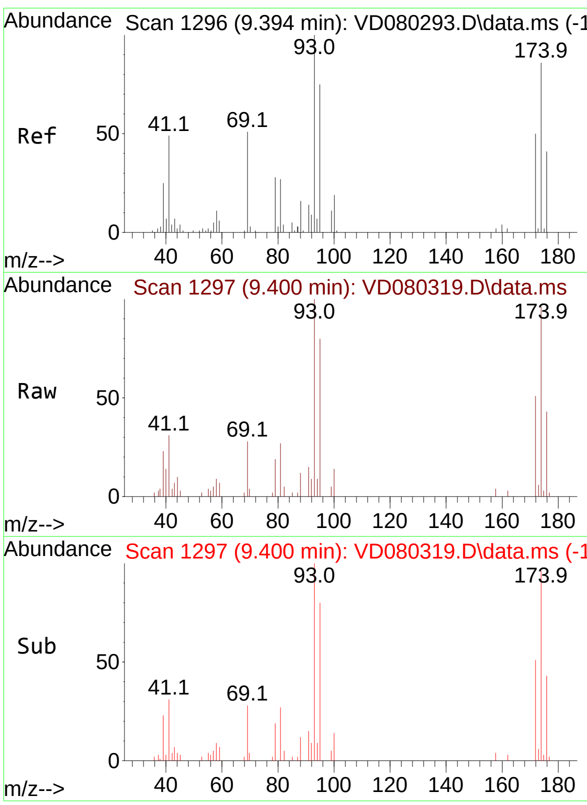


#45
1,2-Dichloropropane
Concen: 20.236 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 63 Resp: 2887

Ion	Ratio	Lower	Upper
63	100		
65	32.3	26.2	39.4

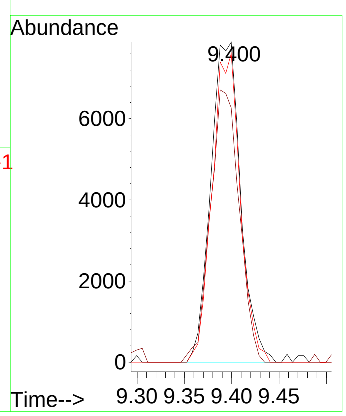


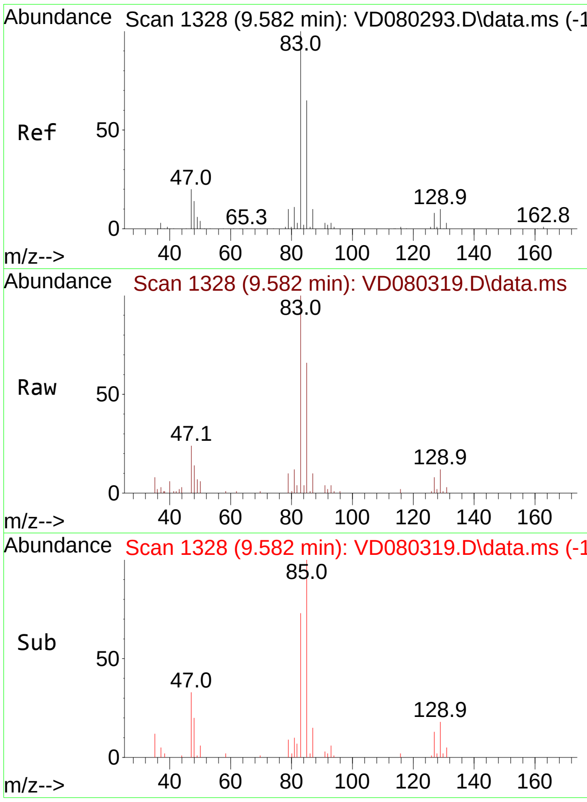


#46
Dibromomethane
Concen: 22.375 ug/l
RT: 9.400 min Scan# 1297
Delta R.T. 0.007 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 93 Resp: 17384

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.9	101.9
174	90.4	80.5	120.7

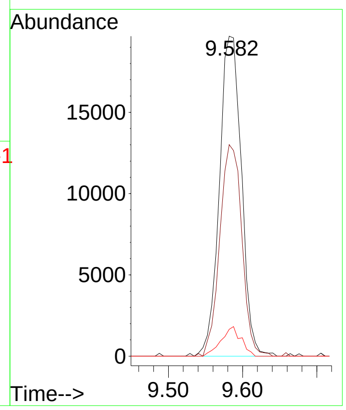




#47
Bromodichloromethane
Concen: 20.652 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 83 Resp: 4072

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	75.8
127	8.4	6.1	9.1



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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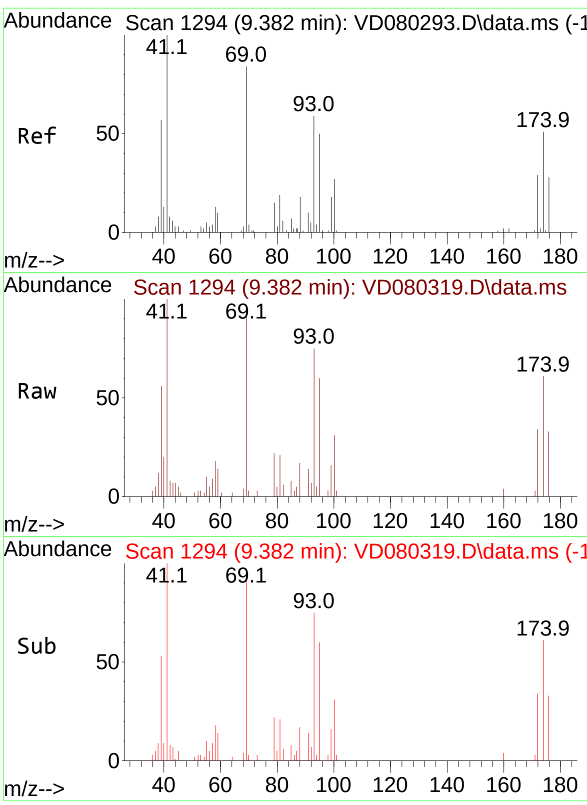
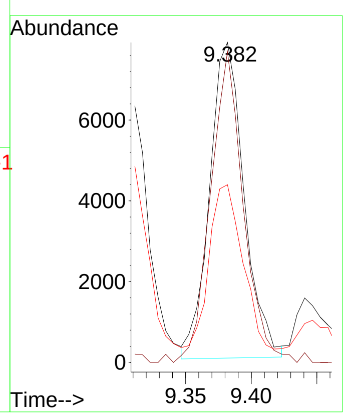
Supervised By :Semsettin Yesilyurt 05/15/2025



#48
Methyl methacrylate
Concen: 17.898 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 41 Resp: 14320

Ion	Ratio	Lower	Upper
41	100		
69	93.9	74.0	111.0
39	59.4	41.9	62.9



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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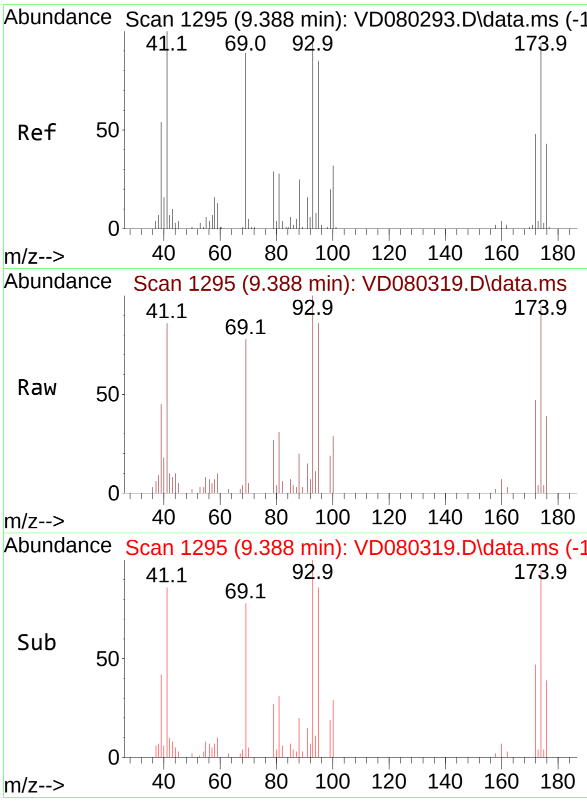
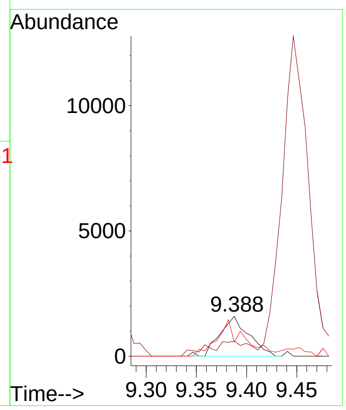
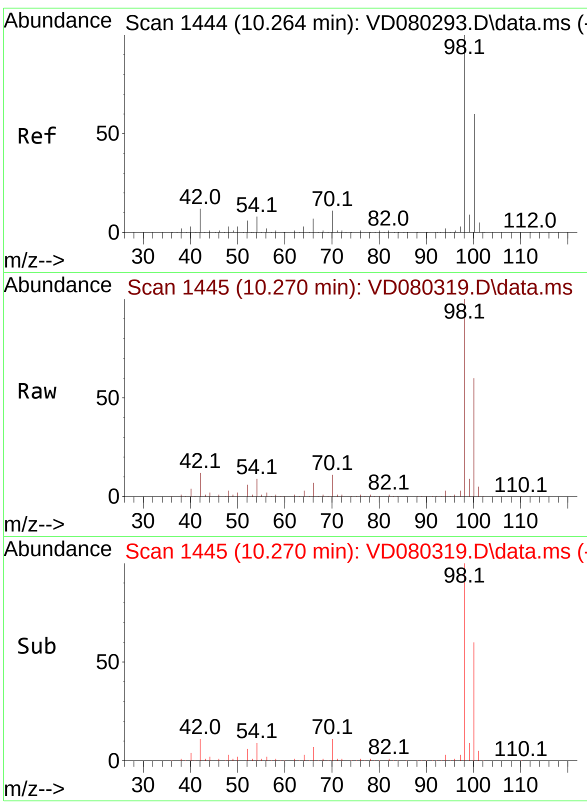



```
#49
1,4-Dioxane
Concen:  347.288 ug/l
RT:    9.388 min   Scan# 1
Delta R.T.   0.001 min
Lab File:    VD080319.D
Acq: 14 May 2025   13:29

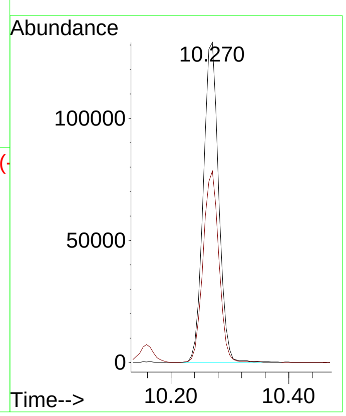
Tgt Ion: 88 Resp:     3208
Ion   Ratio   Lower   Upper
 88   100
 43    54.3    29.1    43.7#
 58    85.9    59.9    89.9
```

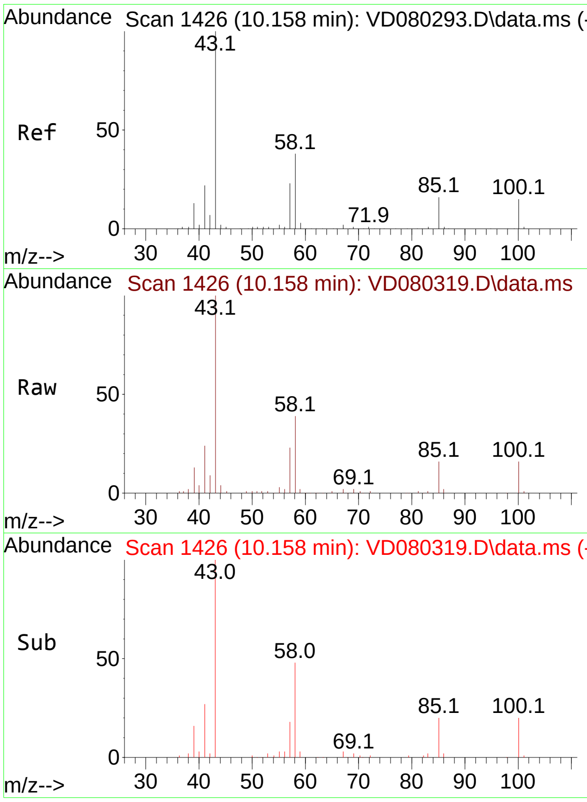





```
#50
Toluene-d8
Concen:   50.859 ug/l
RT:   10.270 min   Scan# 1445
Delta R.T.   0.001 min
Lab File:    VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion: 98 Resp:   238107
Ion   Ratio   Lower   Upper
 98   100
100    61.2    50.2    75.4
```





#51
4-Methyl-2-Pentanone
Concen: 95.722 ug/l
RT: 10.158 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 43 Resp: 8304

Ion	Ratio	Lower	Upper
43	100		
58	37.9	32.8	49.2

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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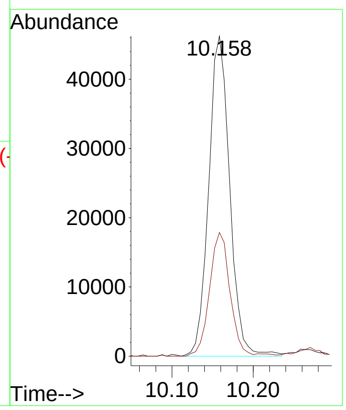
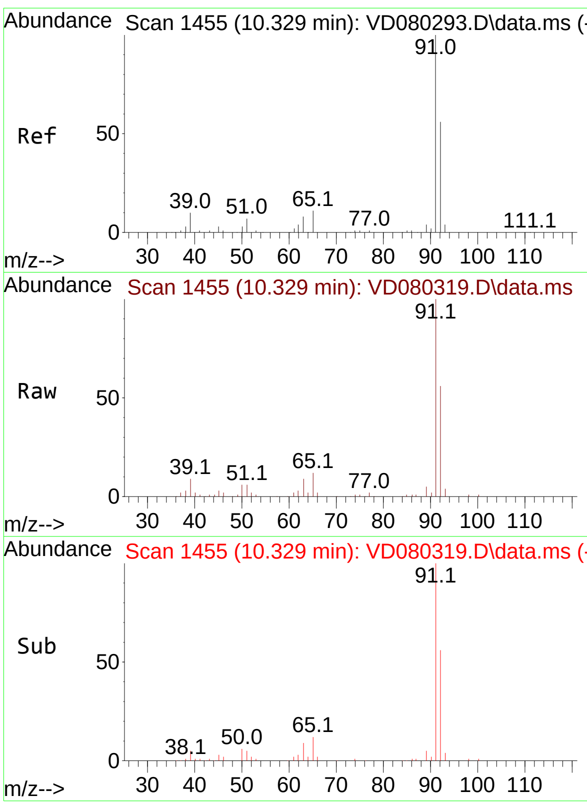
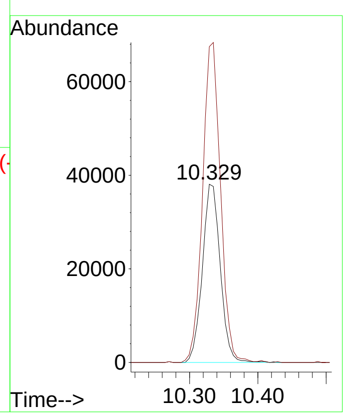




#52
Toluene
Concen: 20.698 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 92 Resp: 69381

Ion	Ratio	Lower	Upper
92	100		
91	179.9	139.3	208.9



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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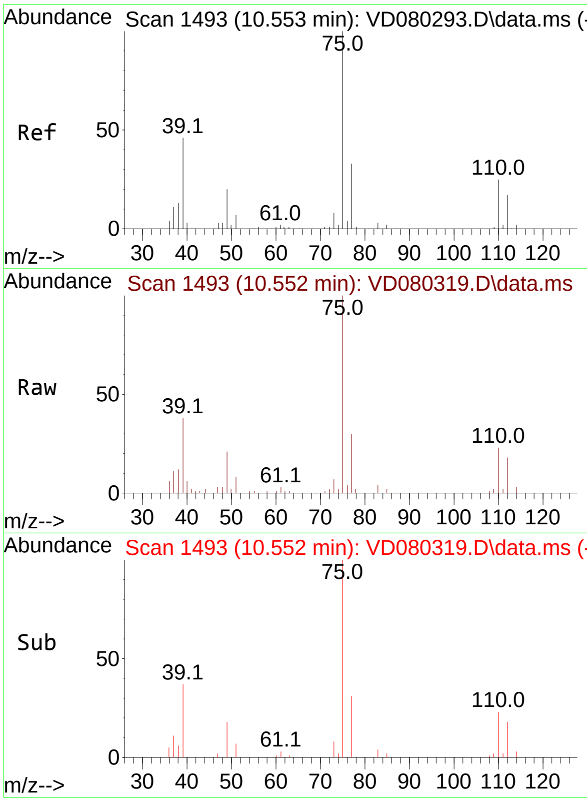
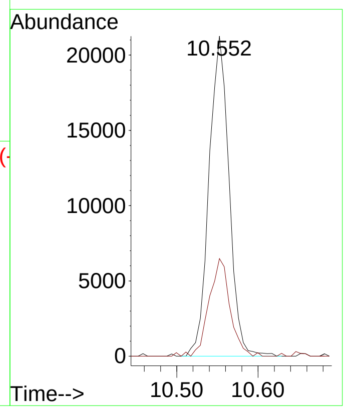
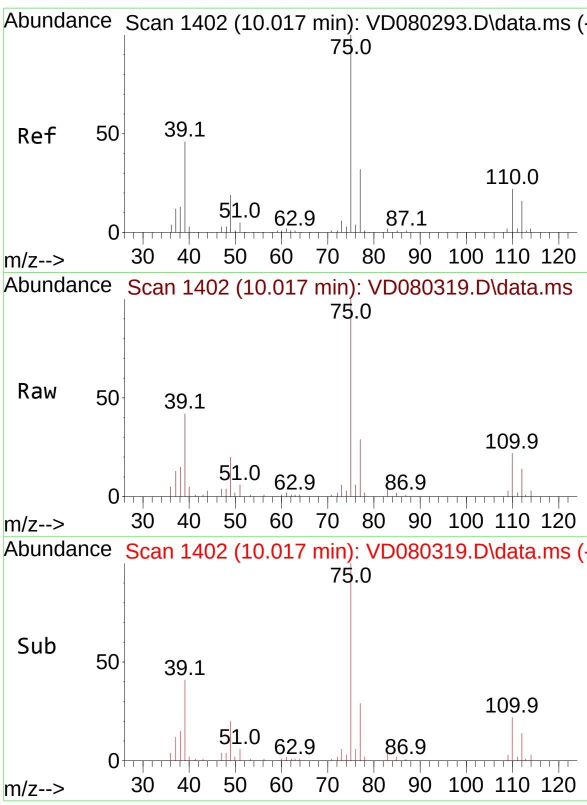



```
#53
t-1,3-Dichloropropene
Concen:   20.290 ug/l
RT:  10.552 min  Scan# 14
Delta R.T.  0.000 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

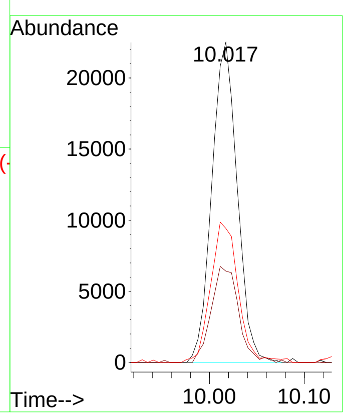
Tgt Ion: 75 Resp:   3647
Ion  Ratio  Lower  Upper
 75  100
 77   30.5   24.1   36.1
```



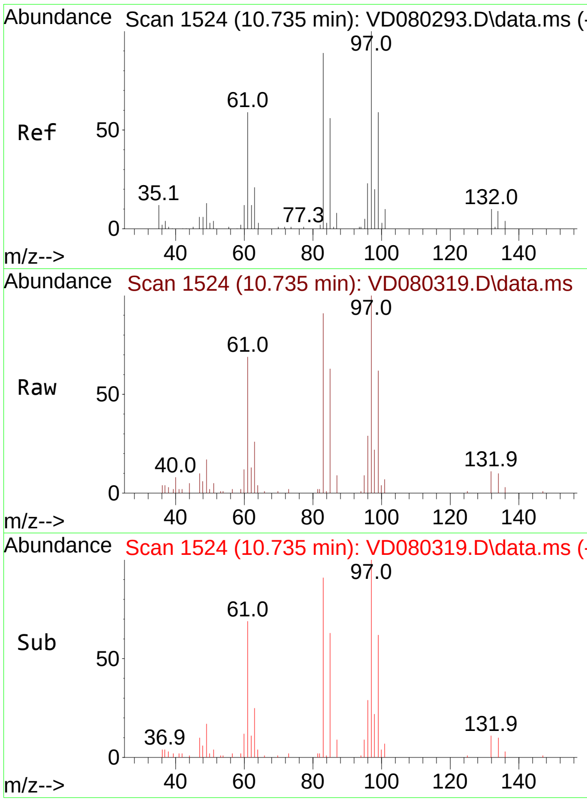



```
#54
cis-1,3-Dichloropropene
Concen:   20.111 ug/l
RT:  10.017 min  Scan# 1402
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion: 75 Resp:   41897
Ion  Ratio  Lower  Upper
 75  100
 77   28.6   25.0   37.4
 39   41.9   33.2   49.8
```



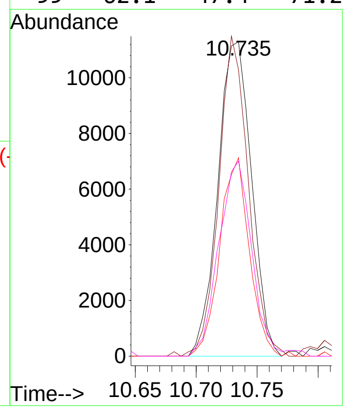
Sample Results: **VD080319.D**



#55
1,1,2-Trichloroethane
Concen: 21.147 ug/l
RT: 10.735 min Scan# 1!
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 97 Resp: 2173

Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.2	103.8
85	63.1	43.0	64.6
99	62.1	47.4	71.2



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
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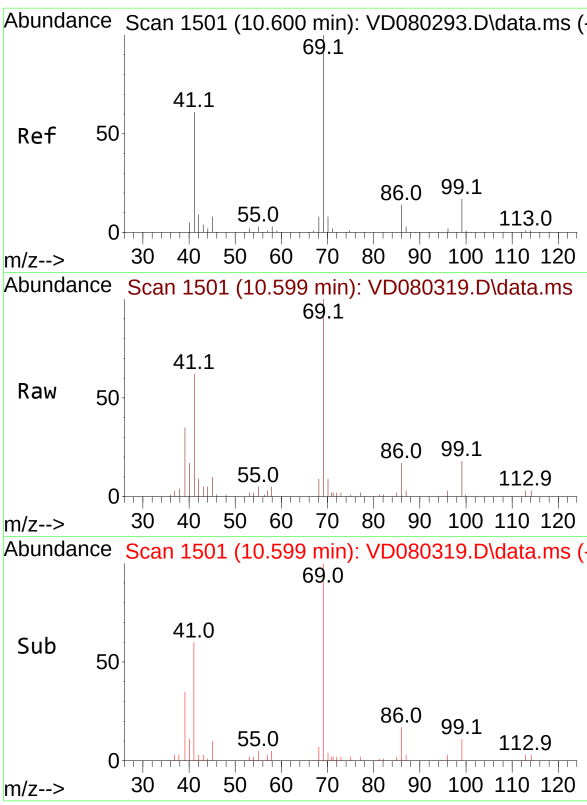
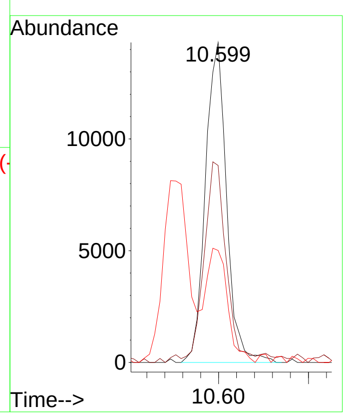


#56
Ethyl methacrylate
Concen: 18.851 ug/l
RT: 10.599 min Scan# 1501
Delta R.T. 0.000 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 69 Resp: 23476

Ion	Ratio	Lower	Upper
69	100		
41	66.4	50.4	75.6
39	37.6	26.0	39.0



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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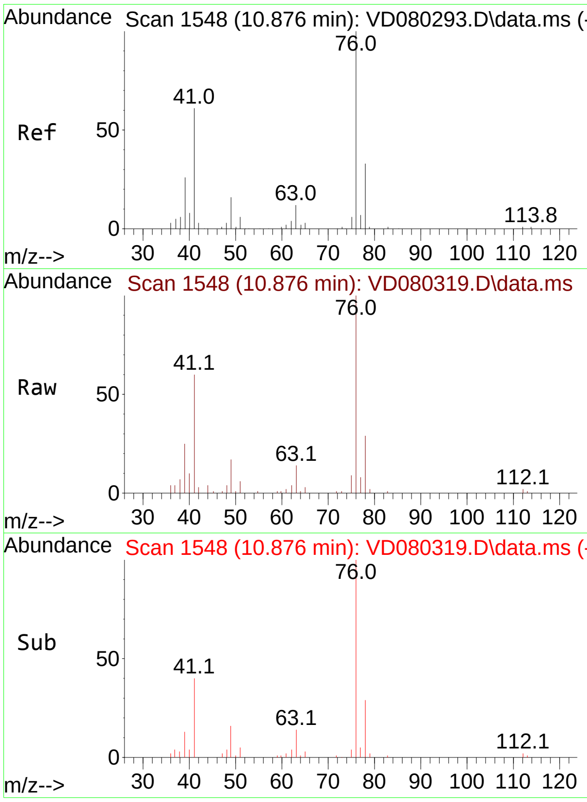
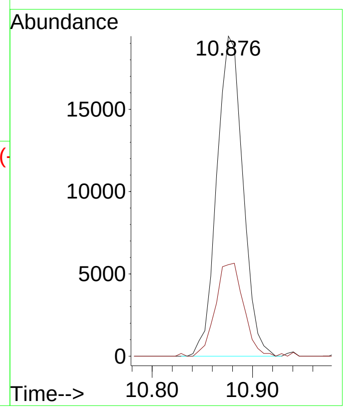
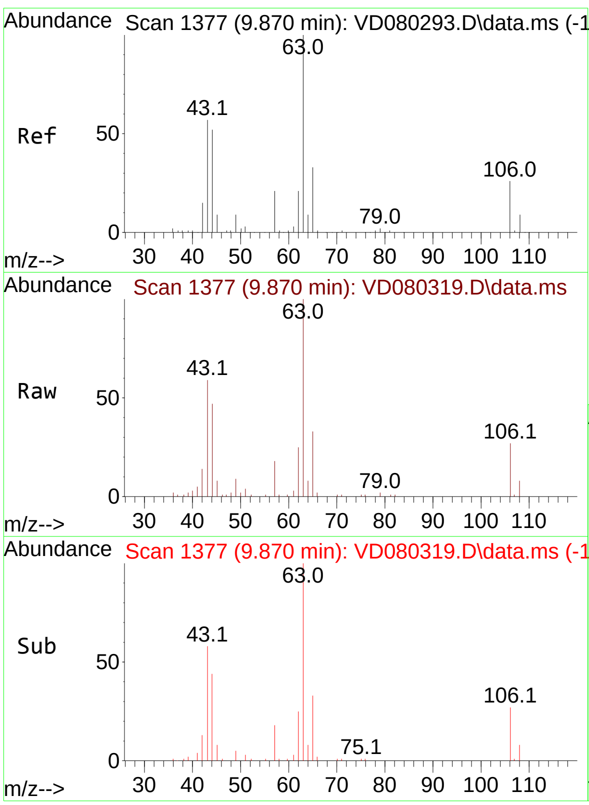


#57
1,3-Dichloropropane
Concen: 20.575 ug/l
RT: 10.876 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 76 Resp: 3514

Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.4	38.2

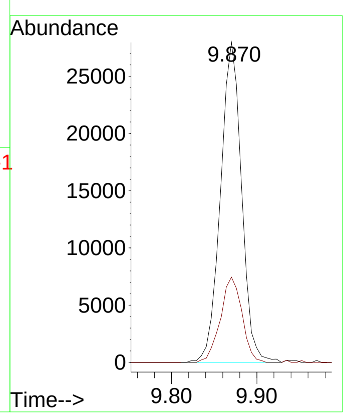


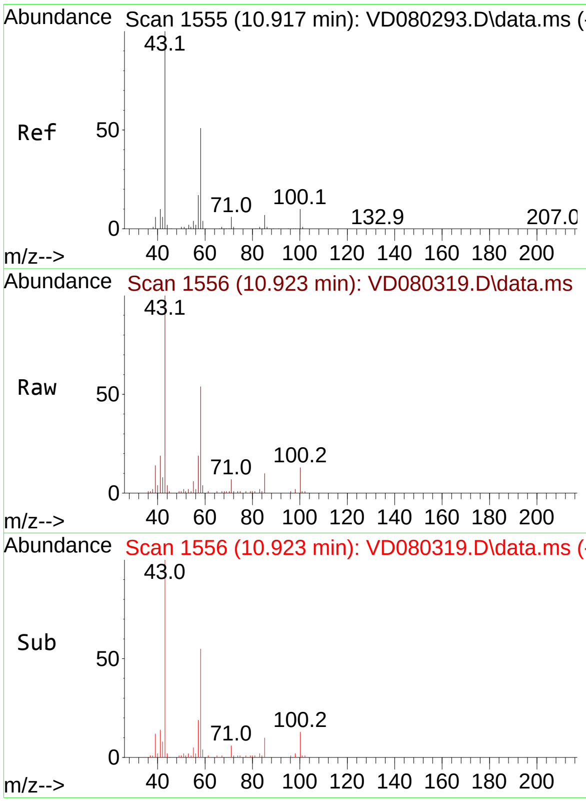


#58
2-Chloroethyl Vinyl ether
Concen: 94.353 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 63 Resp: 48087

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6





#59
2-Hexanone
Concen: 91.088 ug/l
RT: 10.923 min   Scan# 1
Delta R.T.   0.007 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion: 43 Resp: 5436

Ion	Ratio	Lower	Upper
43	100		
58	52.2	27.8	83.4

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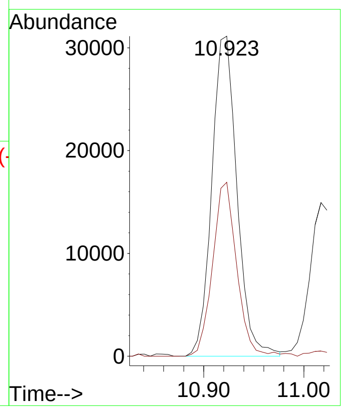
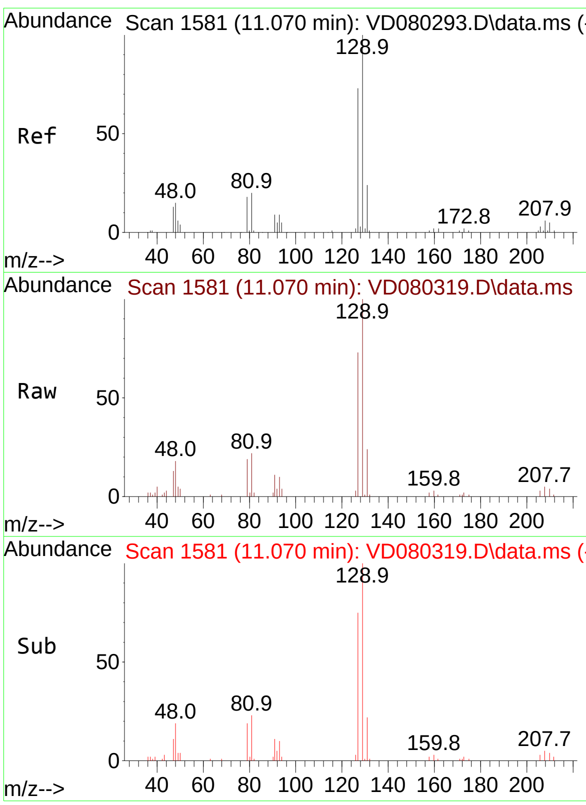
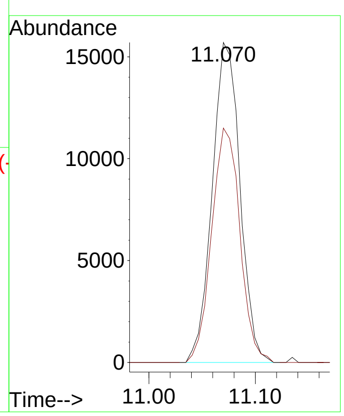




#60
Dibromochloromethane
Concen: 22.148 ug/l
RT: 11.070 min   Scan# 1581
Delta R.T.   -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion:129 Resp: 28525

Ion	Ratio	Lower	Upper
129	100		
127	74.5	38.4	115.2



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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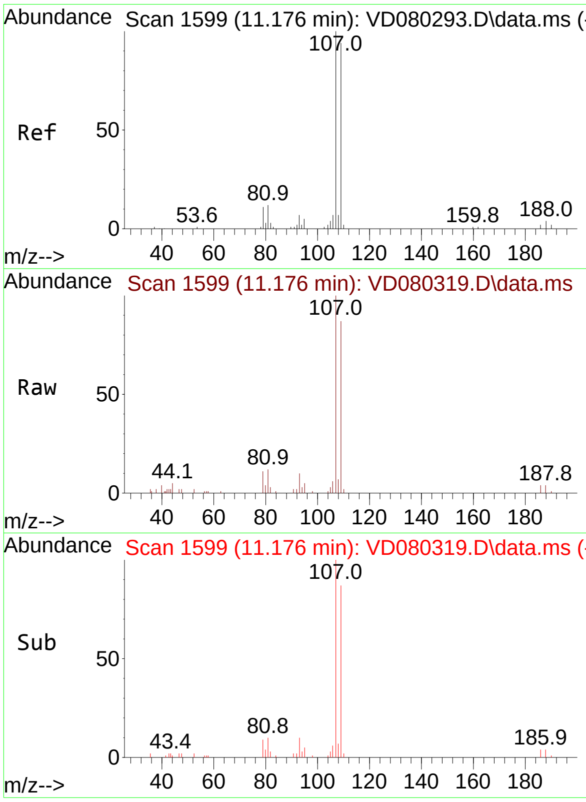
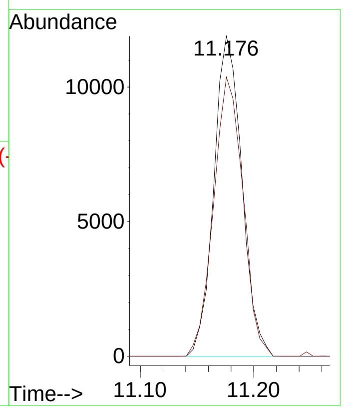
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

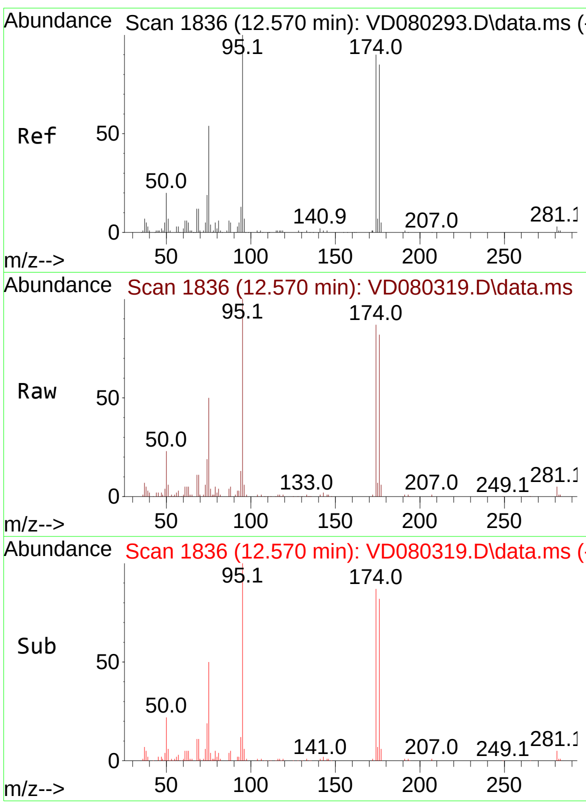


#61
1,2-Dibromoethane
Concen: 21.364 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:107 Resp: 2036

Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.9	110.9

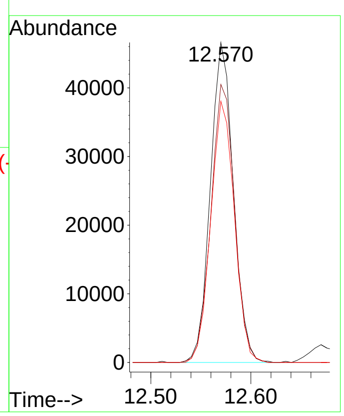


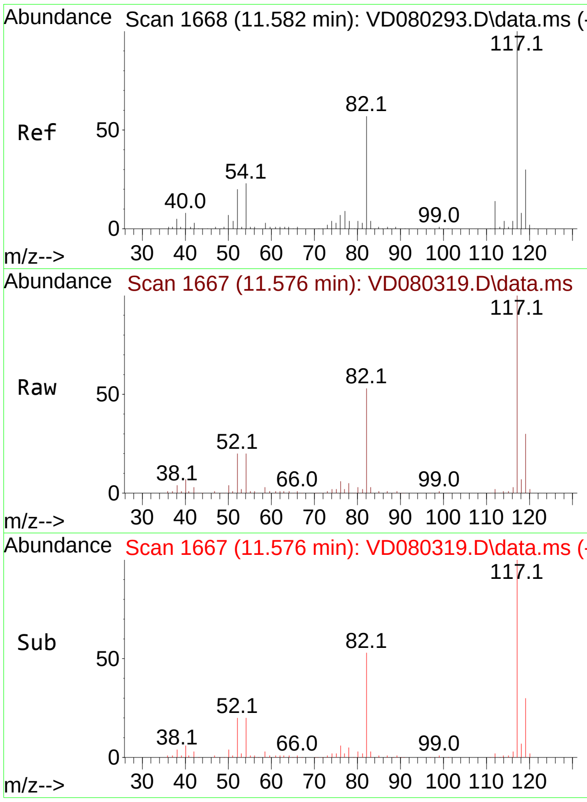


#62
4-Bromofluorobenzene
Concen: 49.536 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 95 Resp: 74436

Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	173.4
176	83.9	0.0	166.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion:117 Resp: 17001

Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.8	68.6
119	29.9	26.2	39.2

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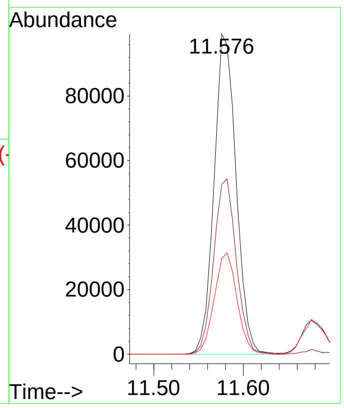
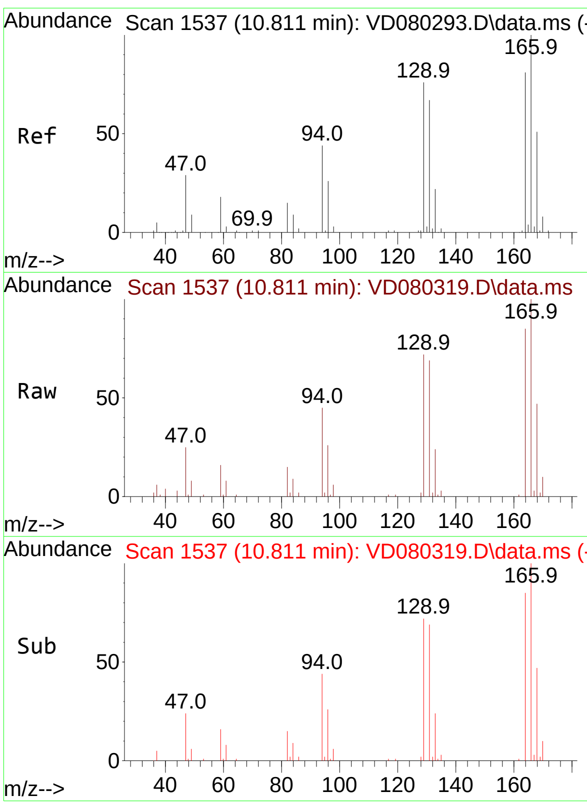
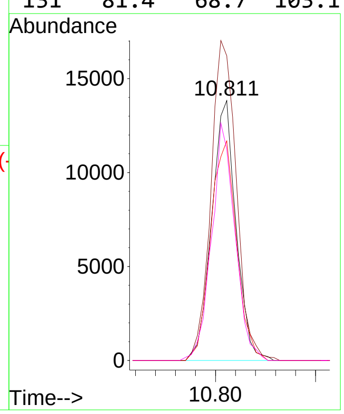




#64
Tetrachloroethene
Concen: 20.335 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:164 Resp: 23412

Ion	Ratio	Lower	Upper
164	100		
166	117.2	97.5	146.3
129	84.5	70.6	106.0
131	81.4	68.7	103.1



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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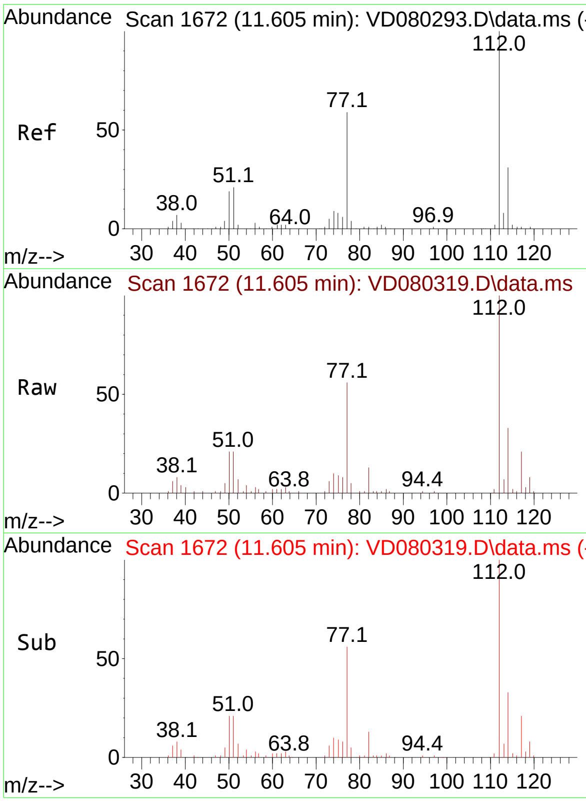
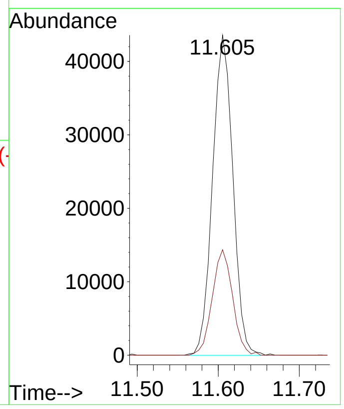
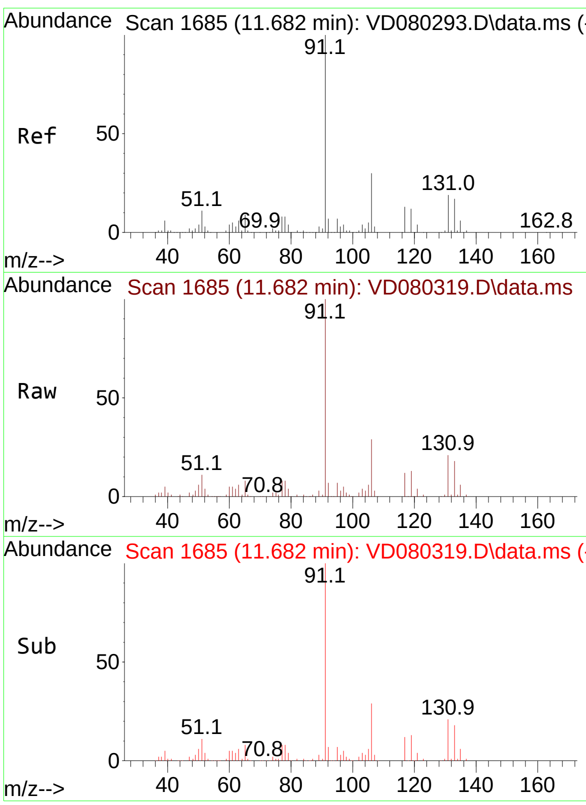
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#65
Chlorobenzene
Concen:   19.780 ug/l
RT:  11.605 min  Scan# 1
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

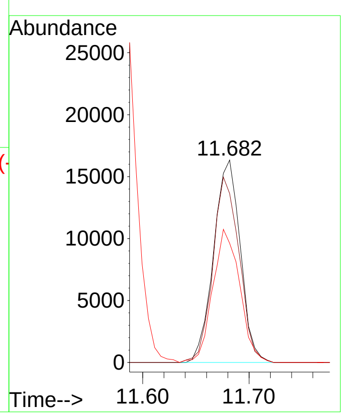
Tgt Ion:112 Resp:   7593
Ion  Ratio  Lower  Upper
112  100
114   33.0   24.6   37.0
```






```
#66
1,1,1,2-Tetrachloroethane
Concen:   21.597 ug/l
RT:  11.682 min  Scan# 1685
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion:131 Resp:   28484
Ion  Ratio  Lower  Upper
131  100
133   90.5   48.8  146.4
119   66.6   34.8  104.3
```



Sample Results: **VD080319.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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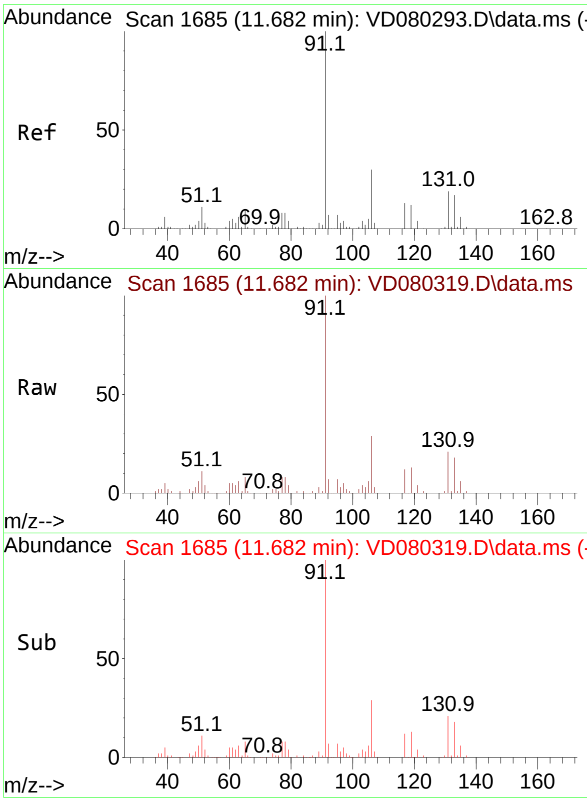
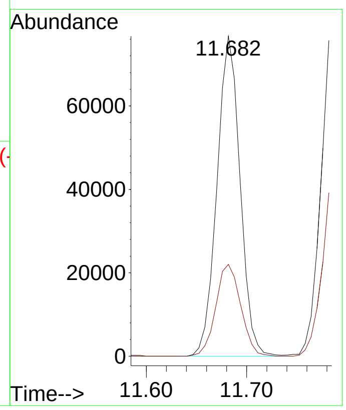
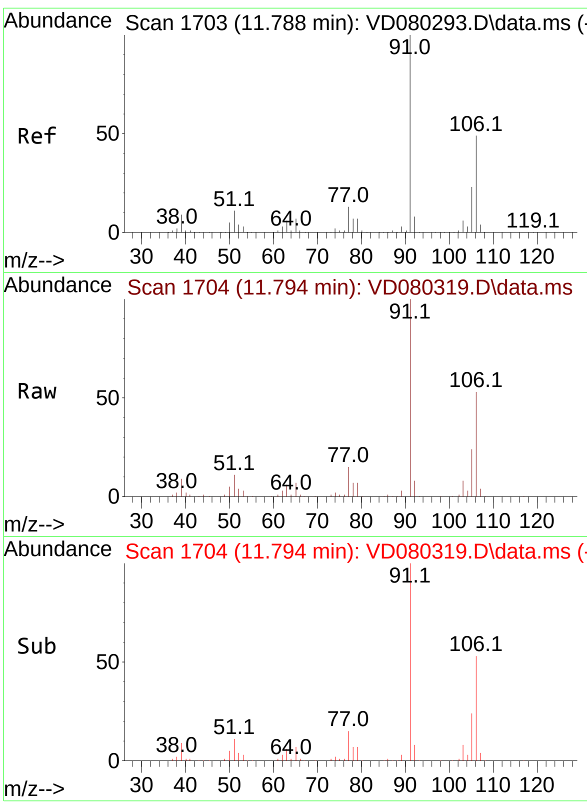



```
#67
Ethyl Benzene
Concen:   19.109 ug/l
RT:  11.682 min  Scan# 1
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

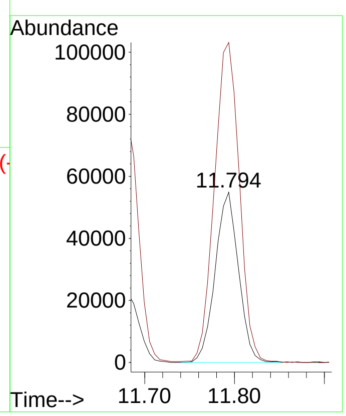
Tgt Ion: 91 Resp:  12259
Ion  Ratio  Lower  Upper
 91  100
106   28.7   23.6   35.4
```

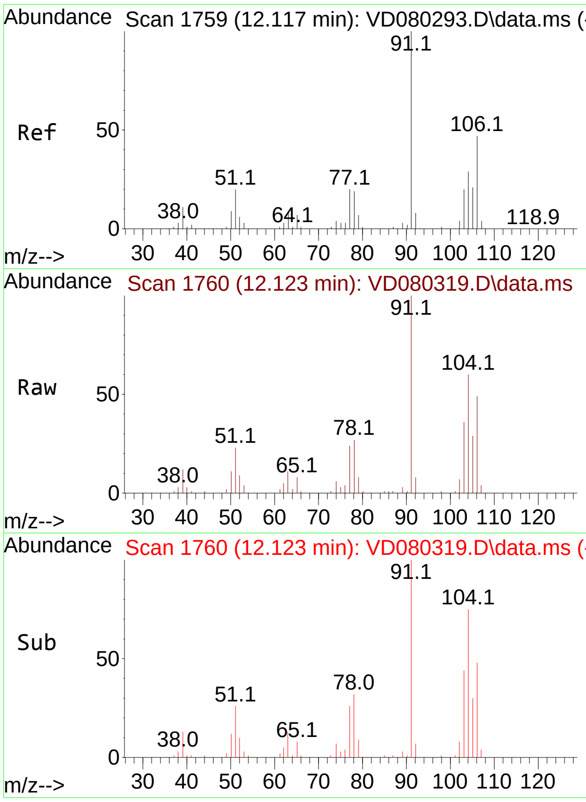





```
#68
m/p-Xylenes
Concen:   39.676 ug/l
RT:  11.794 min  Scan# 1704
Delta R.T.  0.001 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion:106 Resp:   98831
Ion  Ratio  Lower  Upper
106  100
 91  202.0  162.6  244.0
```





#69
o-Xylene
Concen: 19.212 ug/l
RT: 12.123 min Scan# 1
Delta R.T. 0.007 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion:106 Resp: 4373

Ion	Ratio	Lower	Upper
106	100		
91	212.6	110.5	331.5

Manual Integrations
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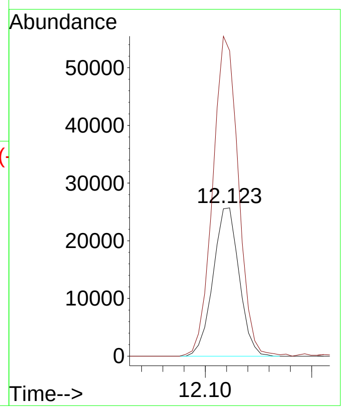
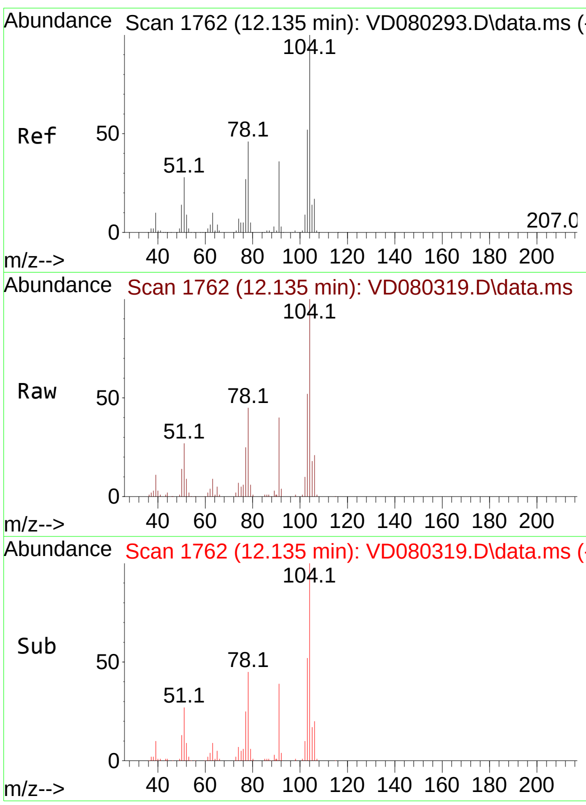
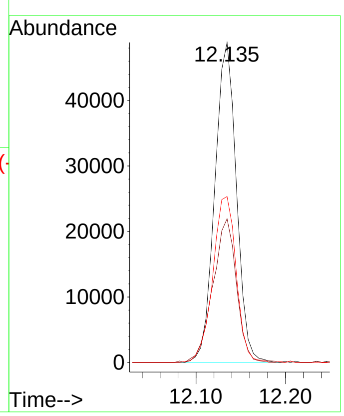


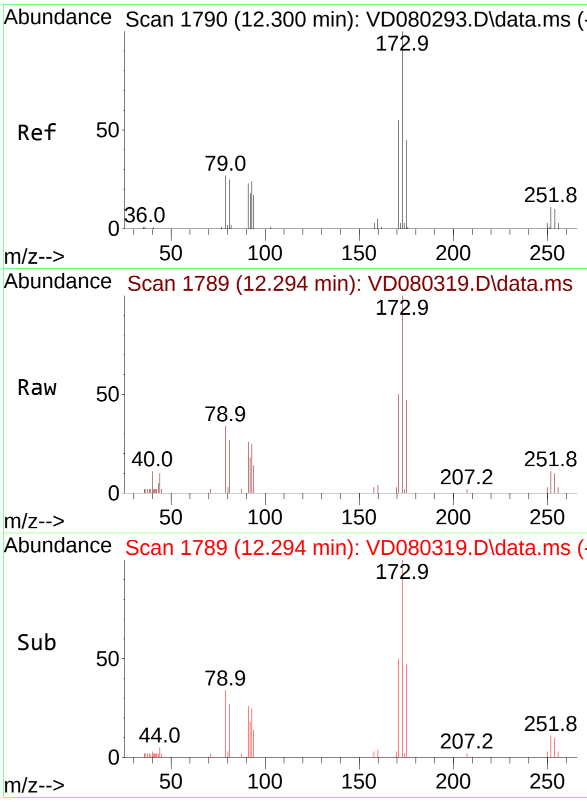


#70
Styrene
Concen: 20.041 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:104 Resp: 81912

Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.8	59.8
103	56.0	45.2	67.8





#71
Bromoform
Concen: 21.045 ug/l
RT: 12.294 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion:173 Resp: 1649

Ion	Ratio	Lower	Upper
173	100		
175	46.1	24.8	74.3
254	0.0	0.0	0.0

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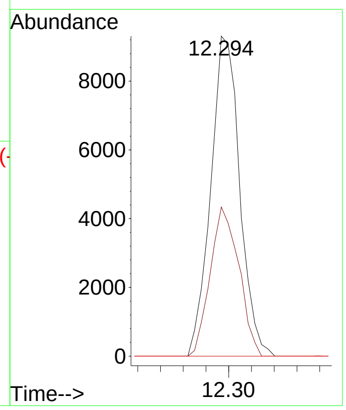
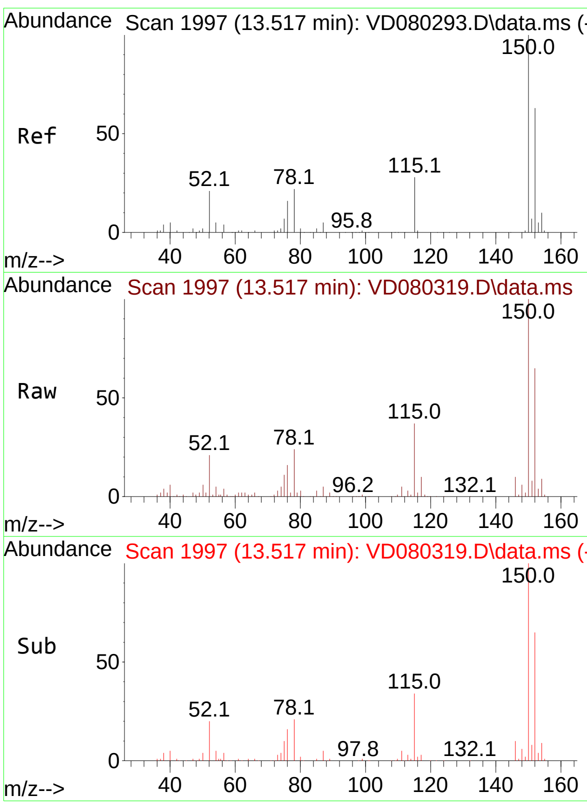
Supervised By :Semsettin Yesilyurt 05/15/2025

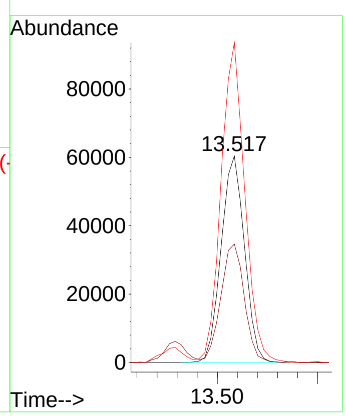




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:152 Resp: 97541

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.8
150	157.3	0.0	354.8



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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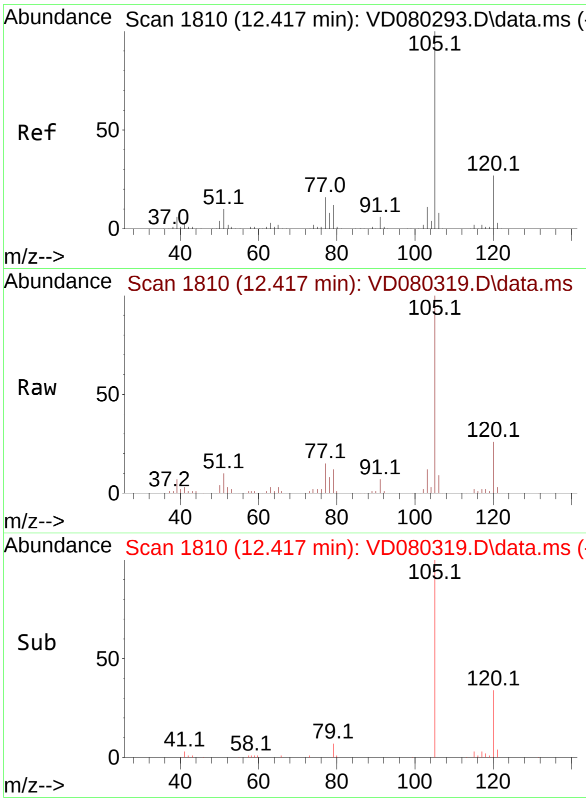
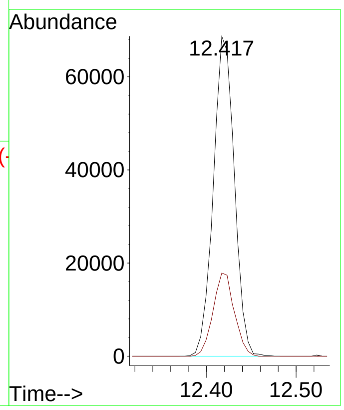
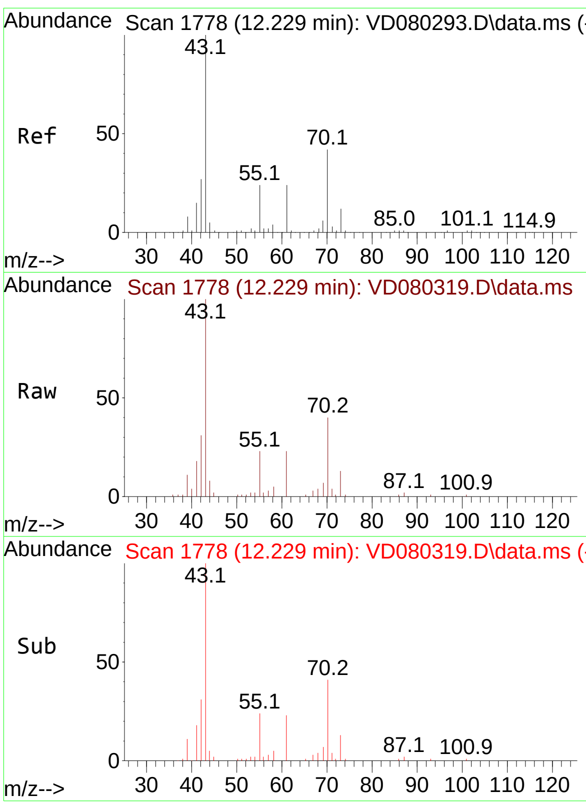



```
#73
Isopropylbenzene
Concen:   17.718 ug/l
RT:  12.417 min  Scan# 1
Delta R.T.  -0.005 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

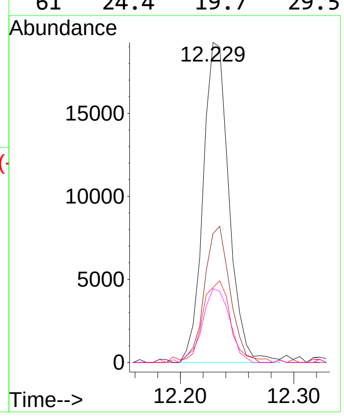
Tgt Ion:105 Resp:  11210
Ion  Ratio  Lower  Upper
105  100
120   26.3   13.3   39.9
```

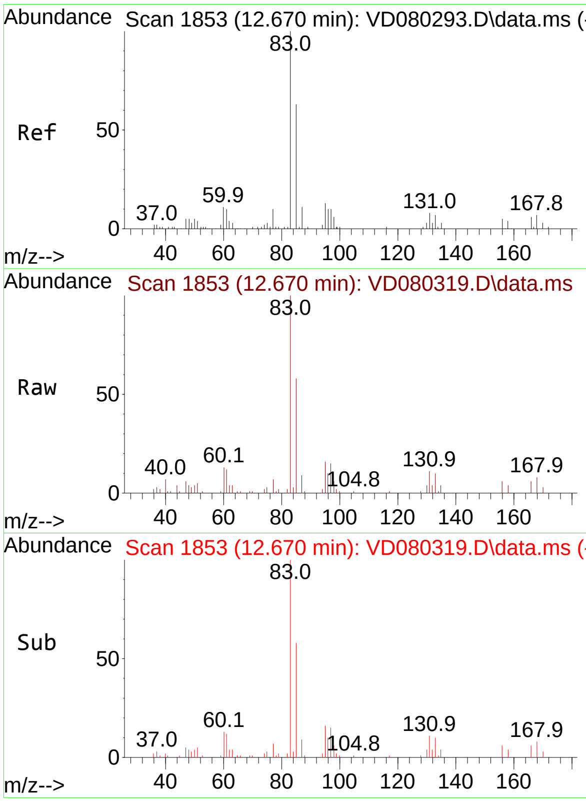





```
#74
N-amyl acetate
Concen:   16.843 ug/l
RT:  12.229 min  Scan# 1778
Delta R.T.  -0.005 min
Lab File:   VD080319.D
Acq: 14 May 2025  13:29

Tgt Ion: 43 Resp:   30586
Ion  Ratio  Lower  Upper
 43  100
 70   41.8   36.3   54.5
 55   28.0   20.3   30.5
 61   24.4   19.7   29.5
```





#75
1,1,2,2-Tetrachloroethane
Concen: 19.612 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion: 83 Resp: 2728

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	62.3	32.9	98.6

Manual Integrations
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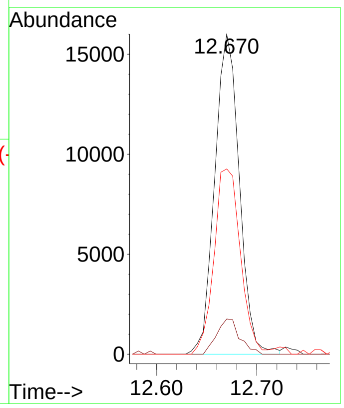
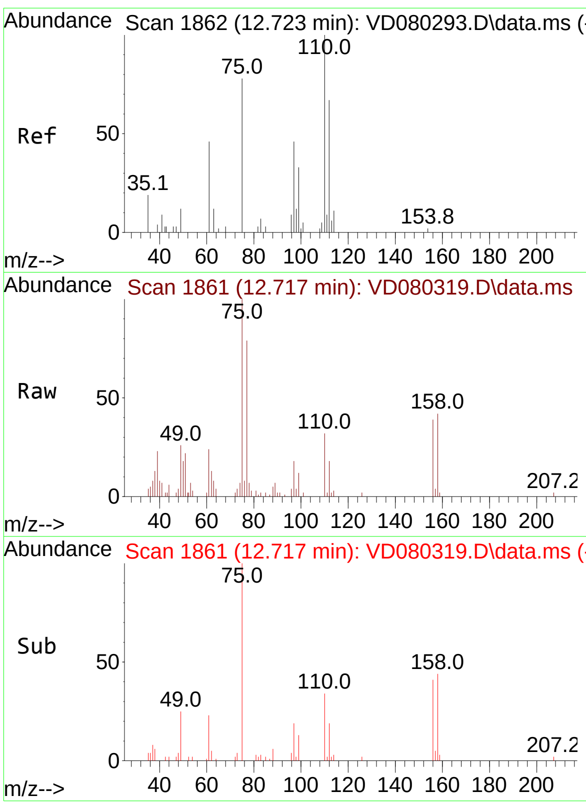
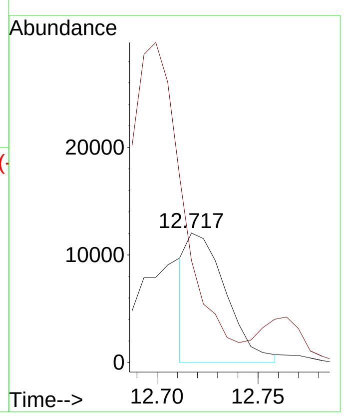




#76
1,2,3-Trichloropropane
Concen: 17.225 ug/l m
RT: 12.717 min Scan# 1861
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 75 Resp: 16216

Ion	Ratio	Lower	Upper
75	100		
77	354.0	0.0	0.0#



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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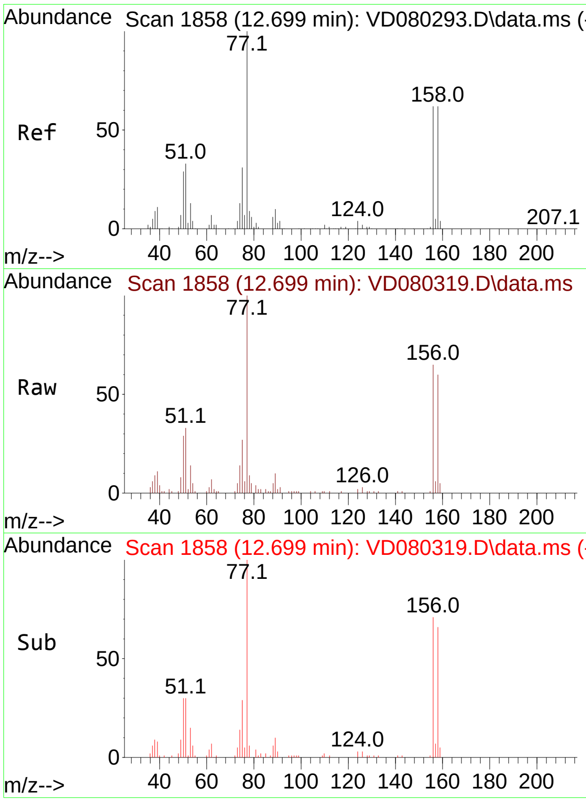
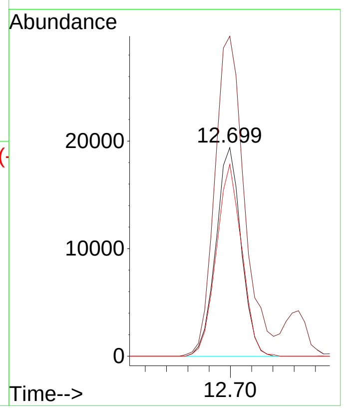
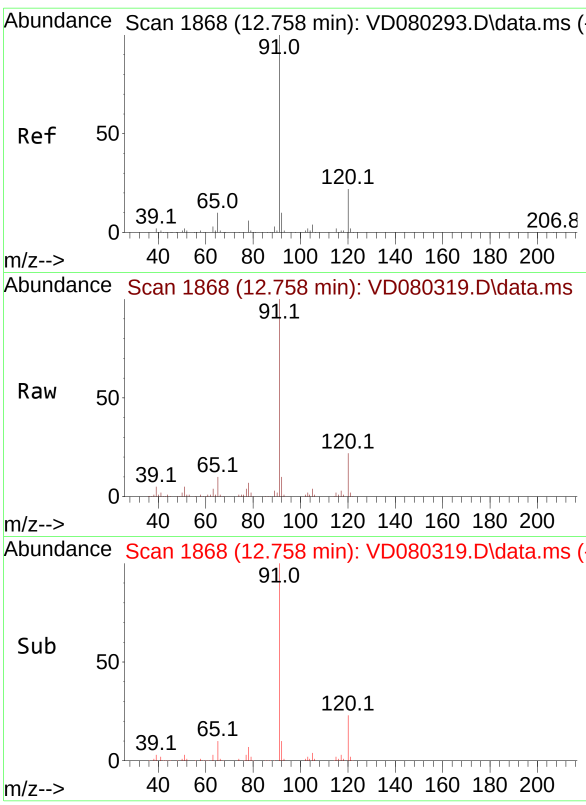


#77
Bromobenzene
Concen: 19.495 ug/l
RT: 12.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:156 Resp: 3199

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.8	269.6
158	93.0	47.9	143.8

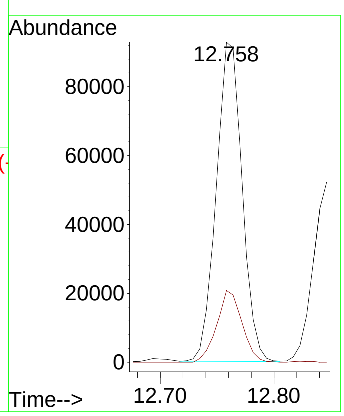


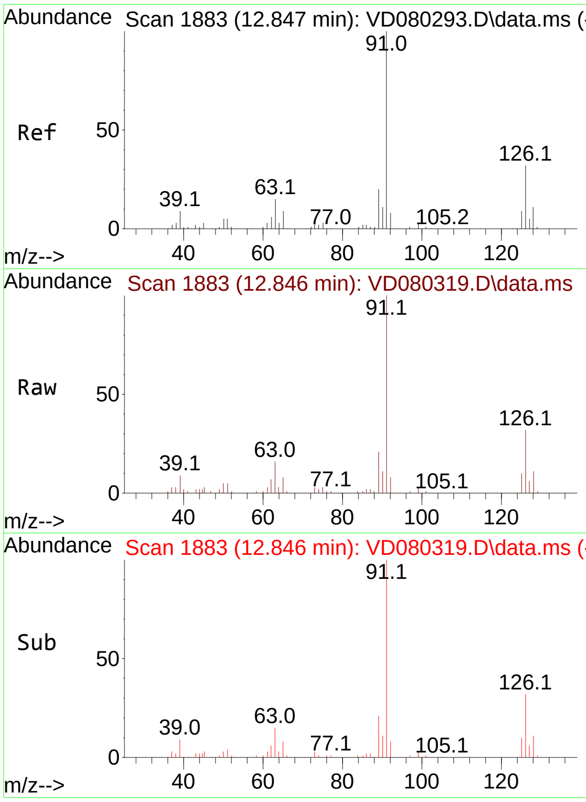


#78
n-propylbenzene
Concen: 18.505 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 91 Resp: 146938

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.5





#79
2-Chlorotoluene
Concen: 18.519 ug/l
RT: 12.846 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 91 Resp: 8553

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.5

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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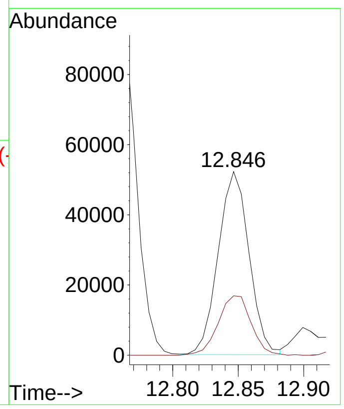
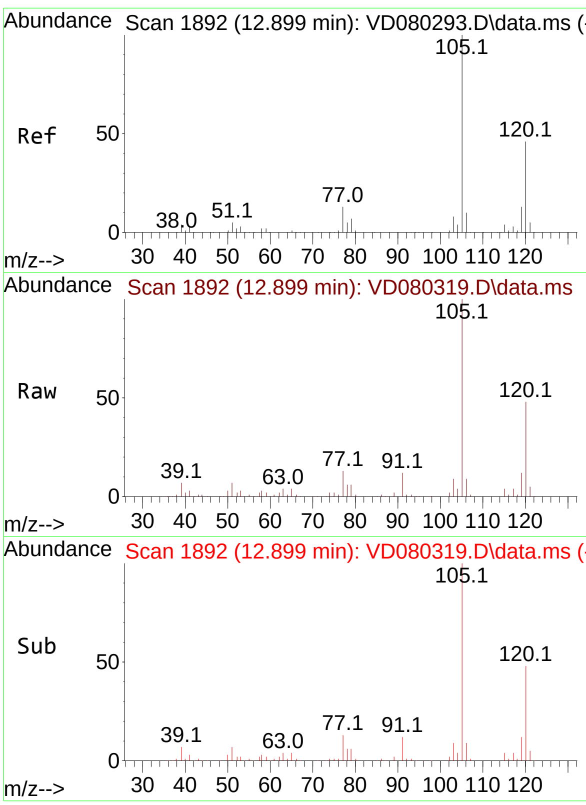
Supervised By :Semsettin Yesilyurt 05/15/2025

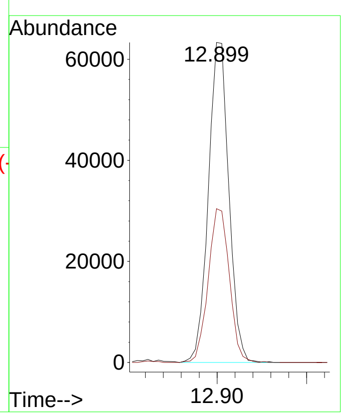


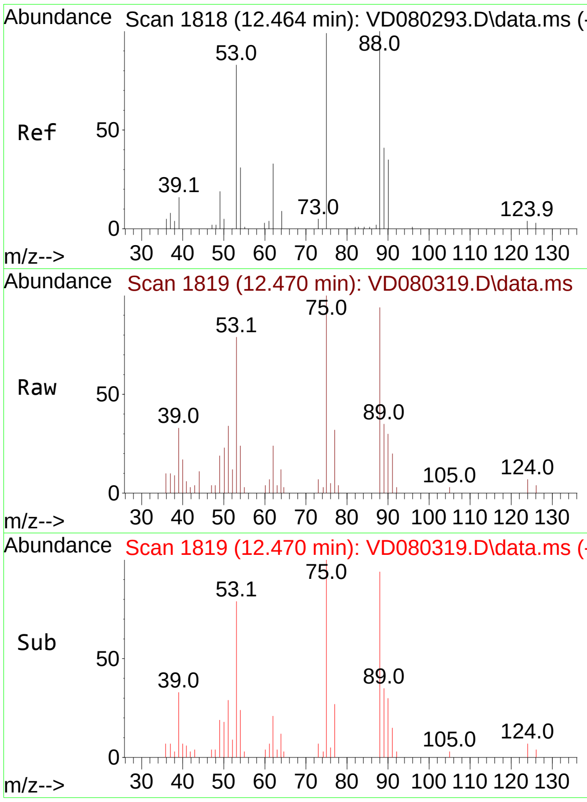


#80
1,3,5-Trimethylbenzene
Concen: 18.644 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:105 Resp: 100614

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.373 ug/l
RT: 12.470 min Scan# 18
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tgt Ion: 75 Resp: 9608

Ion	Ratio	Lower	Upper
75	100		
53	81.1	68.7	103.1
89	43.4	36.1	54.1

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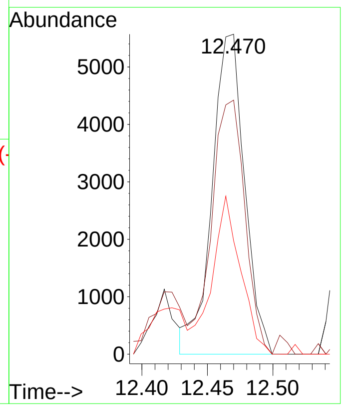
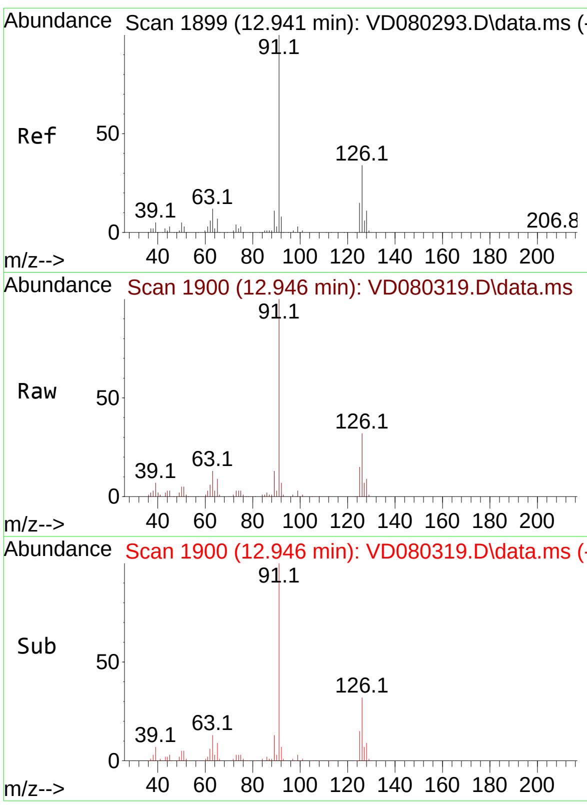
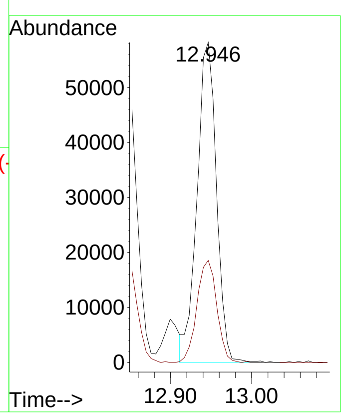




#82
4-Chlorotoluene
Concen: 19.456 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 91 Resp: 96999

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.8	50.3



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

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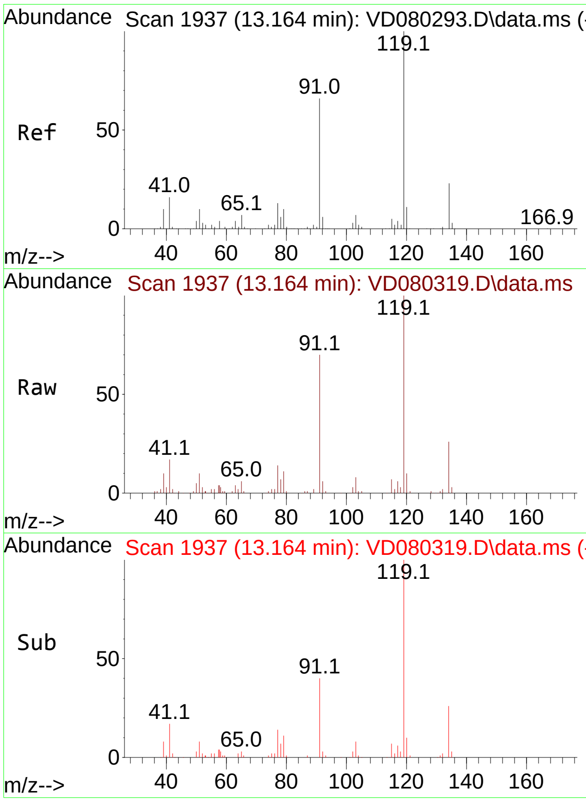
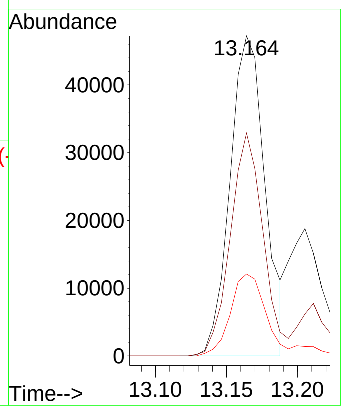
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

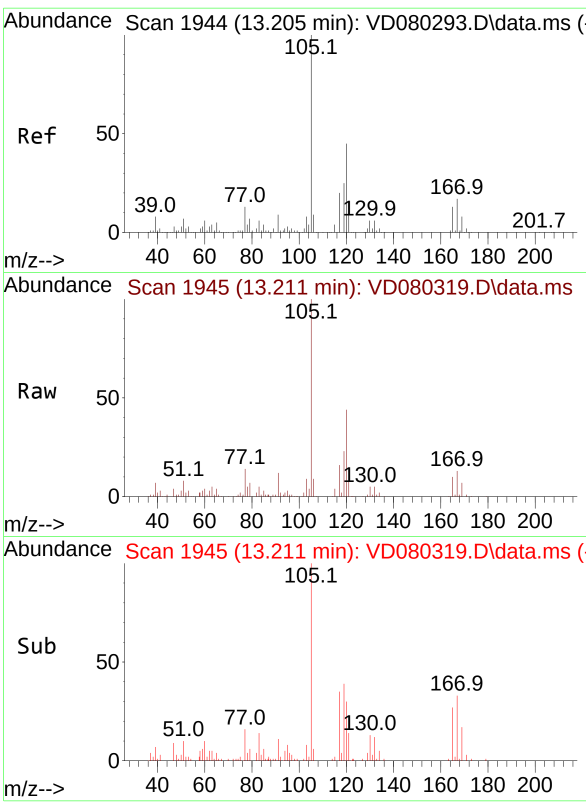


#83
tert-Butylbenzene
Concen: 17.940 ug/l
RT: 13.164 min Scan# 19
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:119 Resp: 8078

Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.3	99.9
134	25.5	13.5	40.5

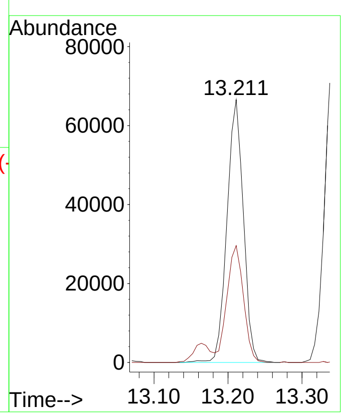




#84
1,2,4-Trimethylbenzene
Concen: 18.572 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:105 Resp: 102548

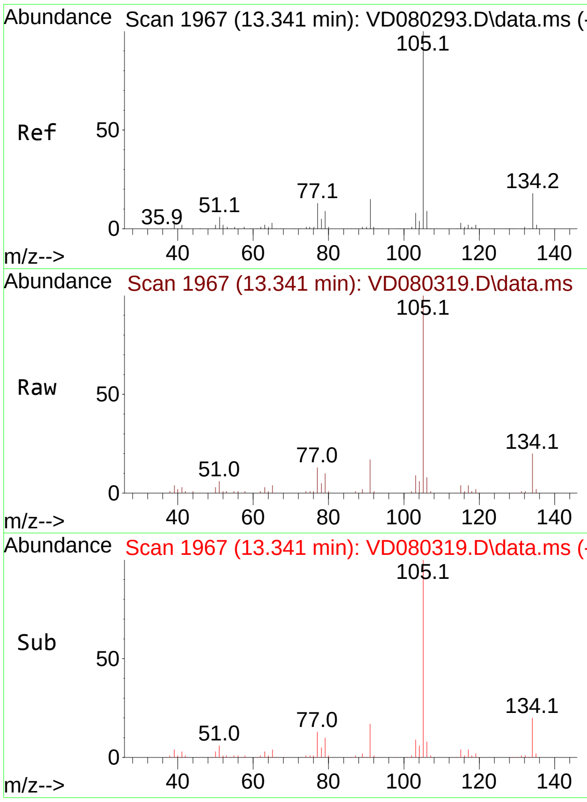
Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4



Sample Results: **VD080319.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

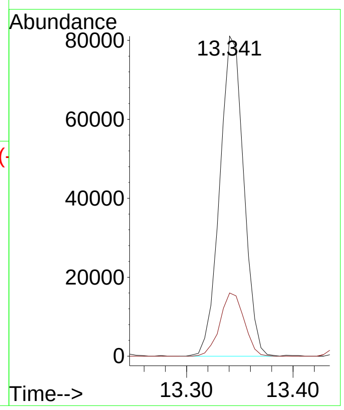
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

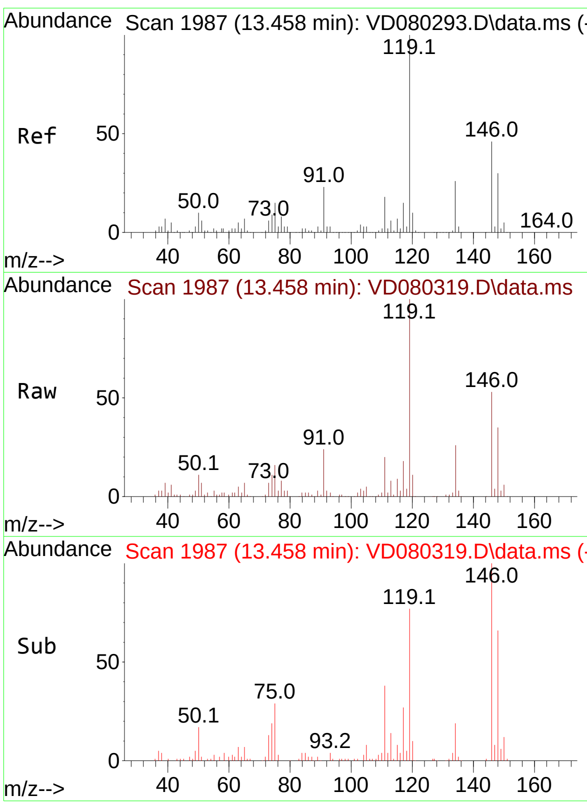


#85
sec-Butylbenzene
Concen: 18.289 ug/l
RT: 13.341 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:105 Resp: 127008

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

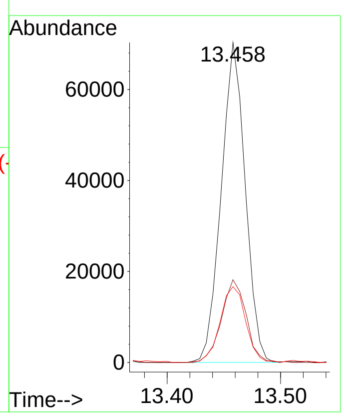




#86
p-Isopropyltoluene
Concen: 17.724 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:119 Resp: 103447

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.1	39.1
91	25.2	12.2	36.4

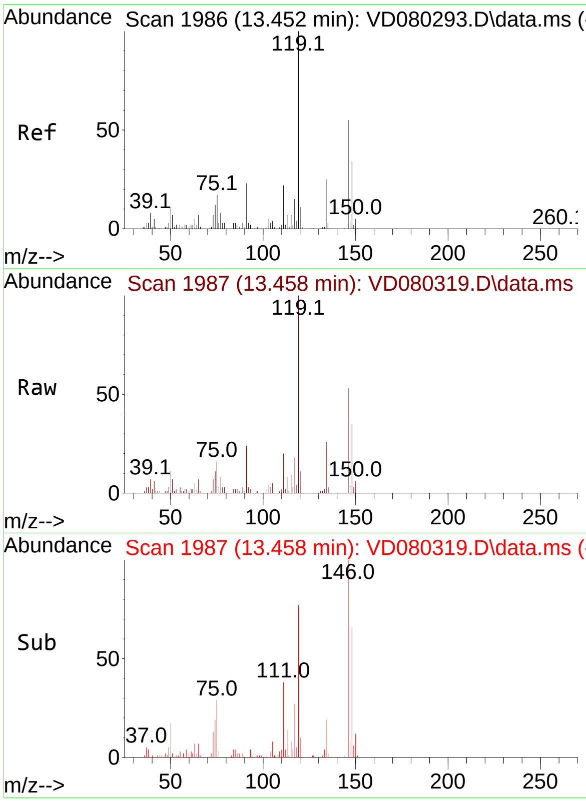


Sample Results: **VD080319.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

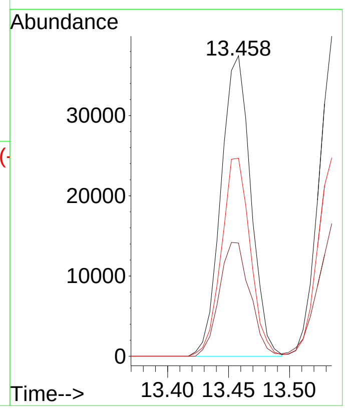
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

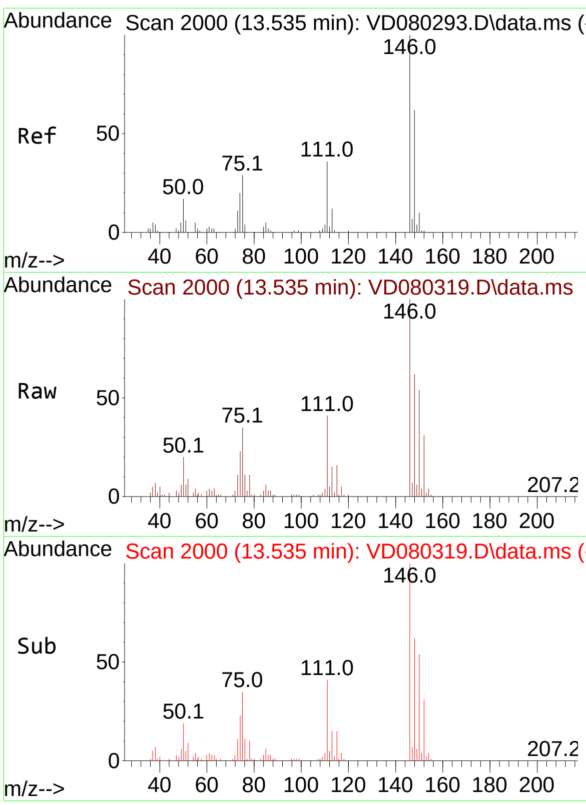


#87
1,3-Dichlorobenzene
Concen: 18.650 ug/l
RT: 13.458 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:146 Resp: 6383

Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	63.7	31.9	95.7

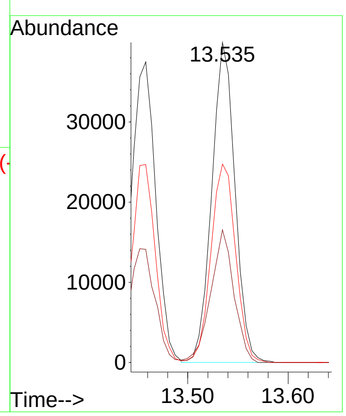


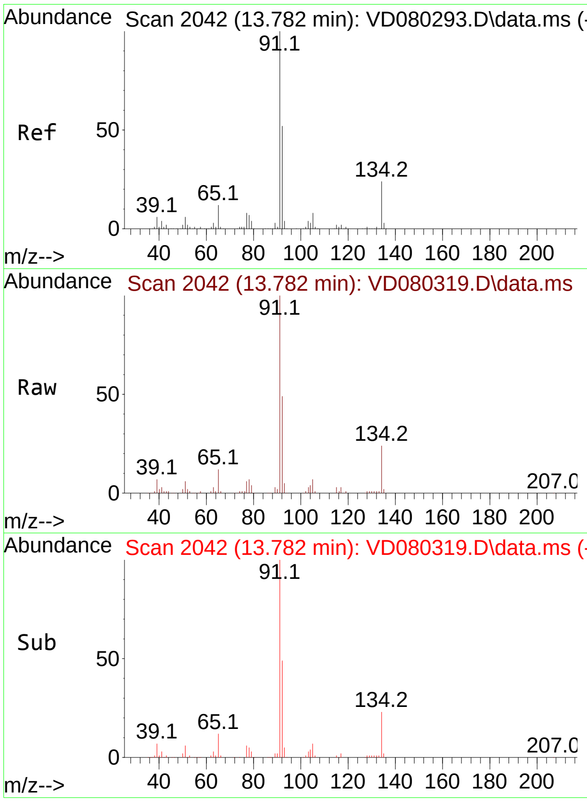


#88
1,4-Dichlorobenzene
Concen: 18.594 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:146 Resp: 64159

Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.3	57.8
148	66.0	32.9	98.7





#89
n-Butylbenzene
Concen: 17.661 ug/l
RT: 13.782 min   Scan# 2(
Delta R.T.   -0.005 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

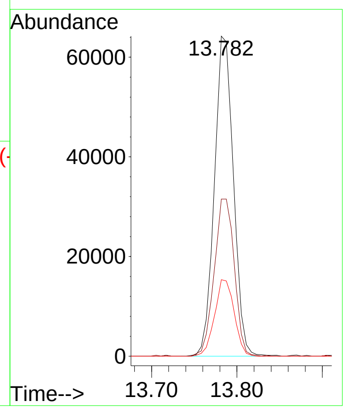
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

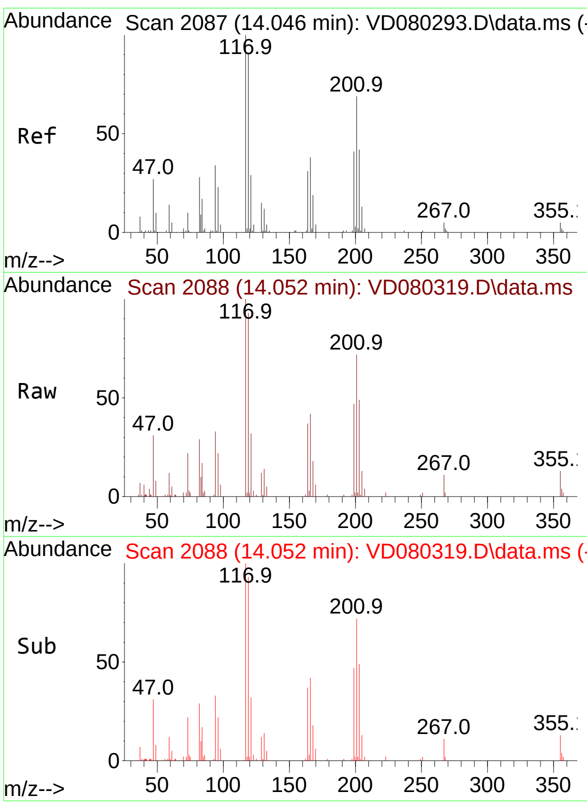
Tgt Ion: 91 Resp: 10006(

Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	24.6	12.3	36.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

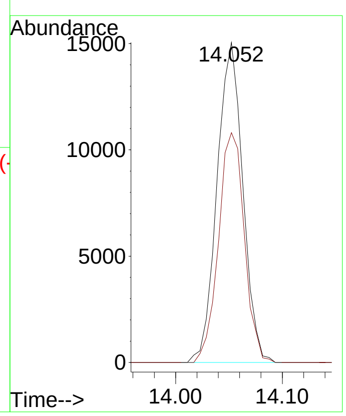




#90
Hexachloroethane
Concen: 19.544 ug/l
RT: 14.052 min   Scan# 2088
Delta R.T.   0.001 min
Lab File: VD080319.D
Acq: 14 May 2025   13:29

Tgt Ion:117 Resp: 25240

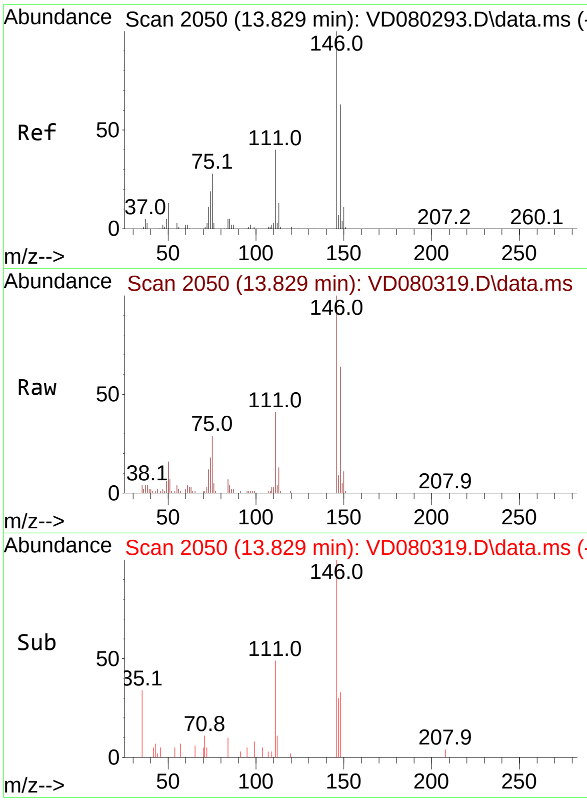
Ion	Ratio	Lower	Upper
117	100		
201	72.0	37.5	112.5



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations
APPROVED

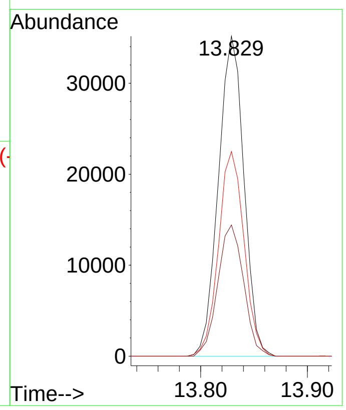
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

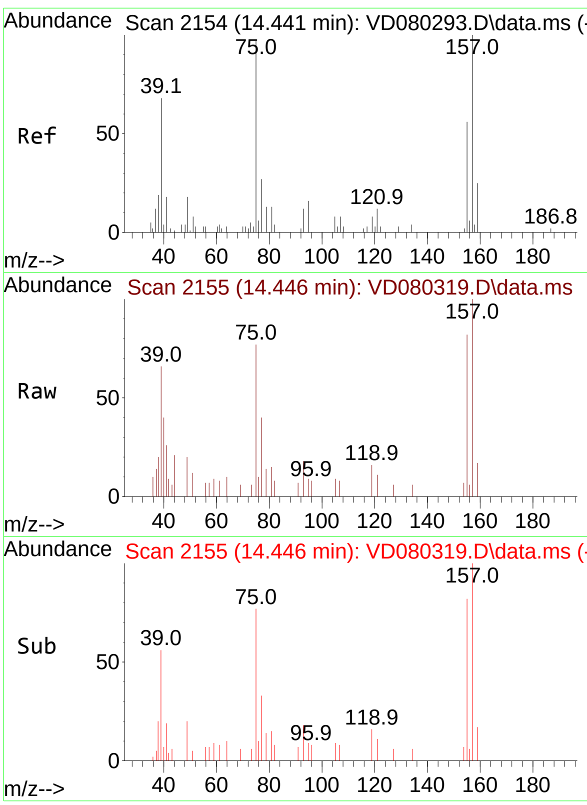


#91
1,2-Dichlorobenzene
Concen: 19.652 ug/l
RT: 13.829 min Scan# 20
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:146 Resp: 5843

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.8
148	64.0	32.7	98.1

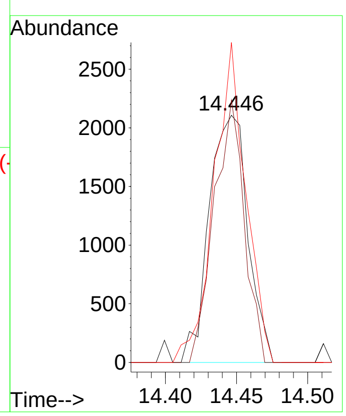


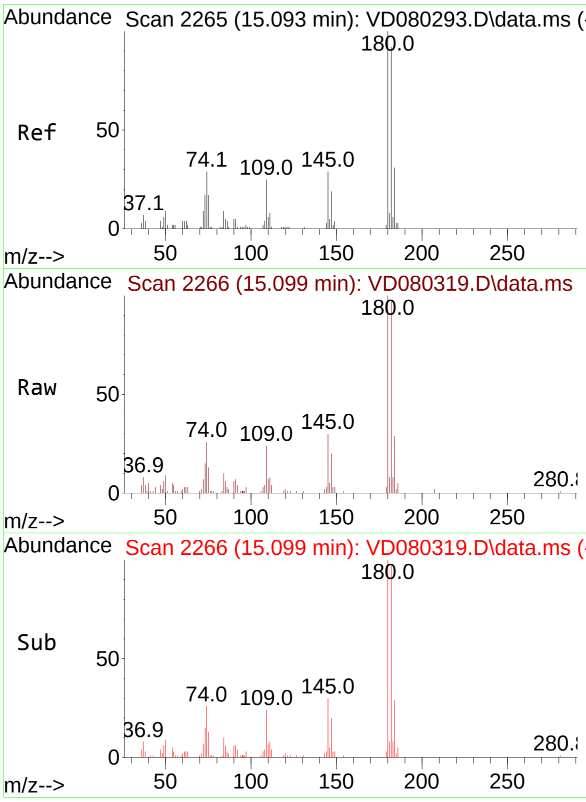


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.029 ug/l
RT: 14.446 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion: 75 Resp: 3998

Ion	Ratio	Lower	Upper
75	100		
155	82.7	40.6	122.0
157	106.5	53.3	159.9





#93
1,2,4-Trichlorobenzene
Concen: 17.580 ug/l
RT: 15.099 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

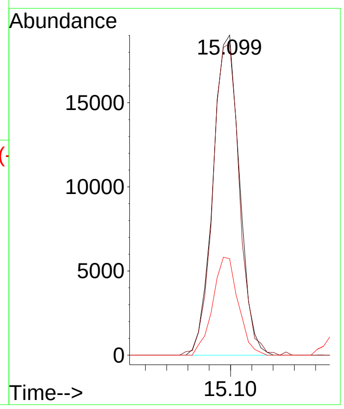
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

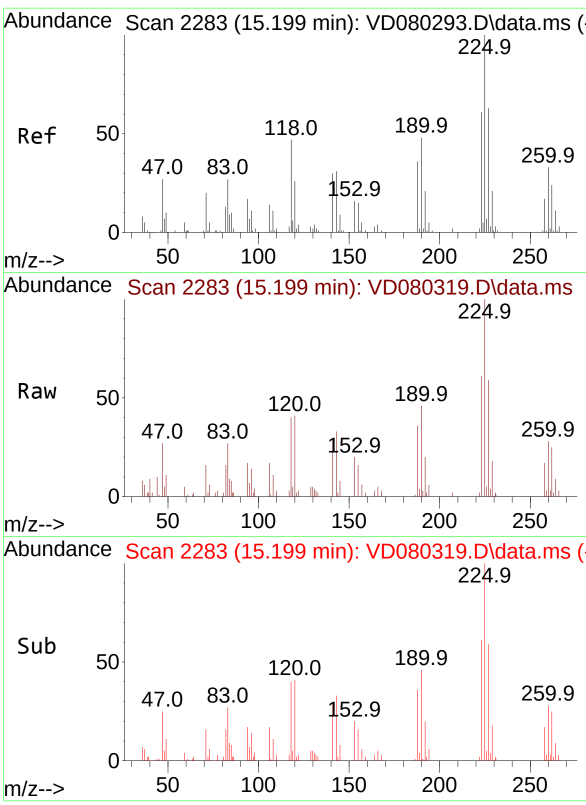
Tgt Ion:180 Resp: 3287

Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.4	142.2
145	29.5	14.7	44.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

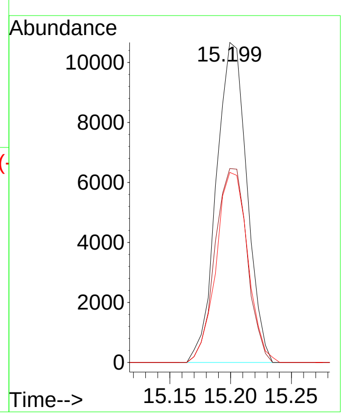


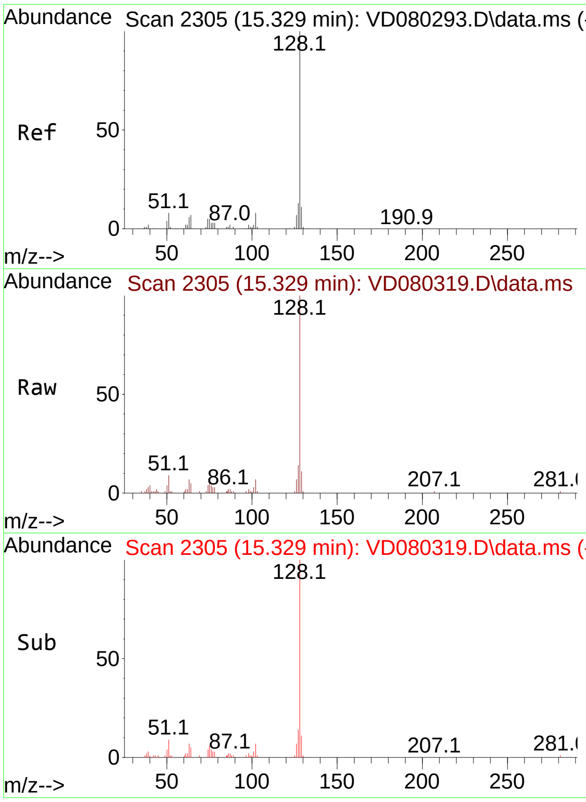


#94
Hexachlorobutadiene
Concen: 19.190 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:225 Resp: 18668

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.5	94.5
227	61.5	30.9	92.5





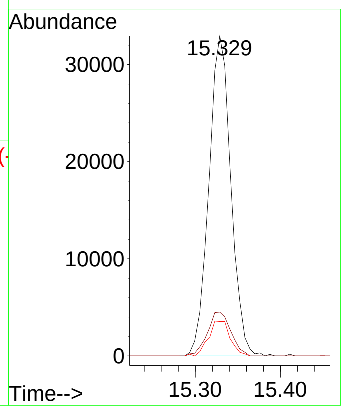
#95
Naphthalene
Concen: 16.854 ug/l
RT: 15.329 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

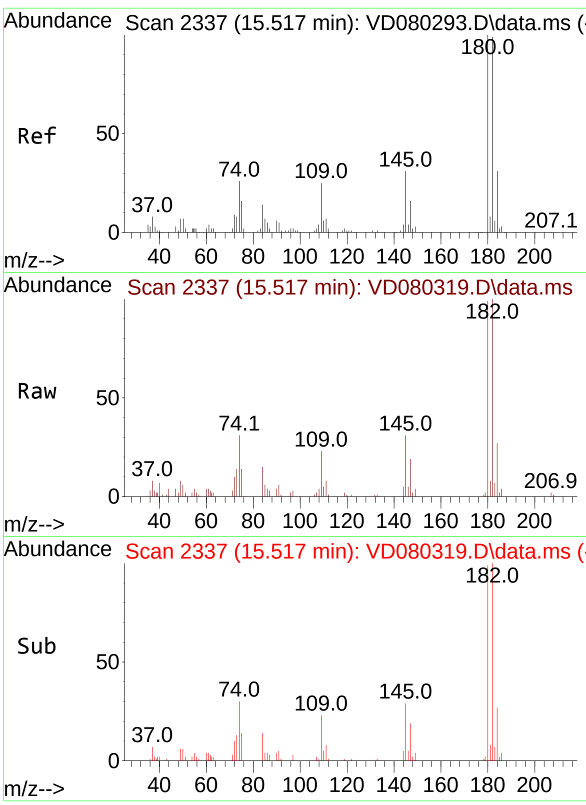
Tgt Ion:128 Resp: 5917

Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.8	17.8
129	10.7	8.3	12.5

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

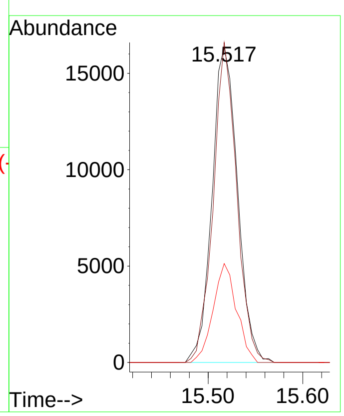




#96
1,2,3-Trichlorobenzene
Concen: 18.386 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. 0.001 min
Lab File: VD080319.D
Acq: 14 May 2025 13:29

Tgt Ion:180 Resp: 30749

Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.5	142.6
145	28.8	15.7	47.0



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	26.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	85.5		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	91.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	90.9		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		0.78	5.00	ug/Kg

Raw Data: **VY022279.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	89.2		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.82	5.00	ug/Kg
100-42-5	Styrene	18.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.707			
540-36-3	1,4-Difluorobenzene	352000	8.616			
3114-55-4	Chlorobenzene-d5	300000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	VY0516SBS01			SDG No.:	Q2010
Lab Sample ID:	VY0516SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected	J = Estimated Value
LOQ = Limit of Quantitation	B = Analyte Found in Associated Method Blank
MDL = Method Detection Limit	N = Presumptive Evidence of a Compound
LOD = Limit of Detection	* = Values outside of QC limits
E = Value Exceeds Calibration Range	D = Dilution
Q = indicates LCS control criteria did not meet requirements	() = Laboratory InHouse Limit
M = MS/MSD acceptance criteria did not meet requirements	A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VY022279.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	205076	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%		
35) Dibromofluoromethane	7.634	113	106659	50.809 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.620%		
50) Toluene-d8	10.109	98	437632	50.903 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%		
62) 4-Bromofluorobenzene	12.408	95	134691	49.426 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.860%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	45052	21.053 ug/l	96
3) Chloromethane	2.068	50	109640	24.357 ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051 ug/l	97
5) Bromomethane	2.592	94	108325	26.460 ug/l	96
6) Chloroethane	2.732	64	77272	24.698 ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191 ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772 ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973 ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640 ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950 ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793 ug/l	96
13) Acrolein	3.653	56	22588	90.276 ug/l	98
14) Allyl chloride	4.385	41	76691	19.939 ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735 ug/l	98
16) Acetone	3.879	43	35951	85.545 ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702 ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757 ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286 ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987 ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457 ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788 ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709 ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290 ug/l	98
25) 2-Butanone	6.896	43	64354	91.546 ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572 ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722 ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450 ug/l	96
30) Chloroform	7.421	83	90925	20.889 ug/l	99
31) Cyclohexane	7.701	56	89576	19.756 ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641 ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498 ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206 ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833 ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583 ug/l	96
40) Benzene	8.079	78	206032	20.100 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	20703m	18.760 ug/l	
42) 1,2-Dichloroethane	8.158	62	55663	20.081 ug/l	99
43) Isopropyl Acetate	8.201	43	66577	18.350 ug/l	100
44) Trichloroethene	8.865	130	52001	20.403 ug/l	99
45) 1,2-Dichloropropane	9.140	63	48024	19.433 ug/l	95
46) Dibromomethane	9.231	93	26030	19.529 ug/l	96
47) Bromodichloromethane	9.426	83	69687	20.153 ug/l	99
48) Methyl methacrylate	9.225	41	31270	18.429 ug/l	99
49) 1,4-Dioxane	9.237	88	5450	361.945 ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873 ug/l	98
52) Toluene	10.170	92	126577	19.501 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261 ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714 ug/l	96
56) Ethyl methacrylate	10.438	69	48650	18.299 ug/l	97
57) 1,3-Dichloropropane	10.719	76	58178	19.185 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786 ug/l	100
59) 2-Hexanone	10.761	43	106492	89.217 ug/l	99
60) Dibromochloromethane	10.914	129	43390	19.586 ug/l	98
61) 1,2-Dibromoethane	11.018	107	31515	19.811 ug/l	99
64) Tetrachloroethene	10.646	164	54813	19.759 ug/l	99
65) Chlorobenzene	11.444	112	133251	19.679 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140 ug/l	100
67) Ethyl Benzene	11.517	91	241283	19.027 ug/l	98
68) m/p-Xylenes	11.627	106	183701	38.444 ug/l	98
69) o-Xylene	11.956	106	87610	19.379 ug/l	96
70) Styrene	11.969	104	144454	18.942 ug/l	99
71) Bromoform	12.133	173	23136	18.414 ug/l #	99
73) Isopropylbenzene	12.255	105	226293	19.344 ug/l	100
74) N-amyl acetate	12.072	43	59704	17.844 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	27665m	19.338 ug/l	
77) Bromobenzene	12.529	156	47234	18.904 ug/l	97
78) n-propylbenzene	12.597	91	274165	19.430 ug/l	100
79) 2-Chlorotoluene	12.682	91	148305	19.125 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775 ug/l	93
82) 4-Chlorotoluene	12.779	91	148832	18.660 ug/l	98
83) tert-Butylbenzene	12.999	119	161923	19.292 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163 ug/l	99
85) sec-Butylbenzene	13.176	105	239464	19.219 ug/l	99
86) p-Isopropyltoluene	13.291	119	197757	18.872 ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902 ug/l	99
89) n-Butylbenzene	13.615	91	191322	19.299 ug/l	98
90) Hexachloroethane	13.877	117	40730	19.255 ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982 ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345 ug/l	96
94) Hexachlorobutadiene	15.023	225	26080	18.897 ug/l	98
95) Naphthalene	15.145	128	86461	18.410 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667 ug/l	100

Sample Results: **VY022279.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

Sample Results: **VY022279.D**

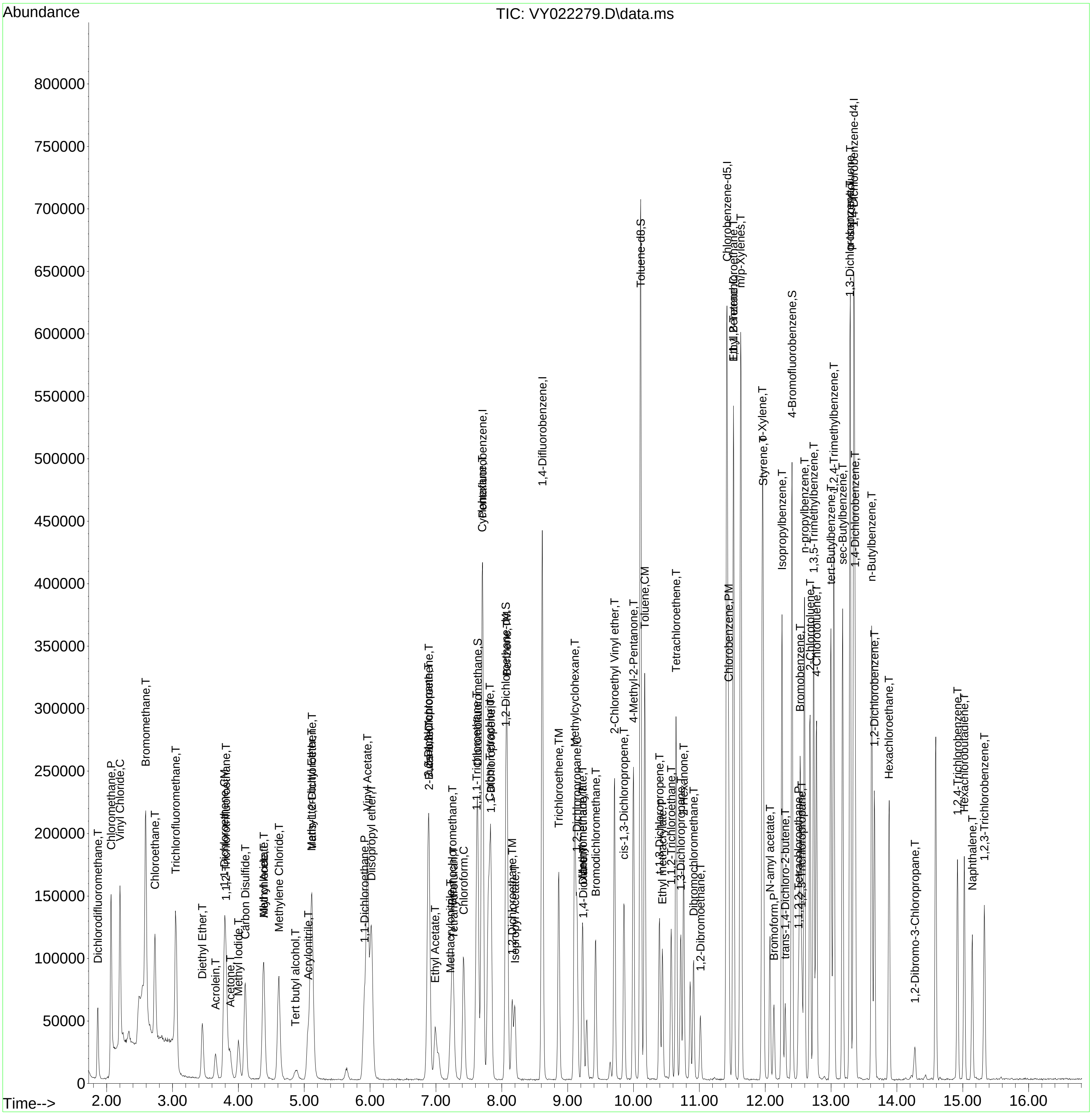
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On    : 16 May 2025  10:09
Operator  : SY/MD
Sample    : VY0516SBS01
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 4   Sample Multiplier: 1

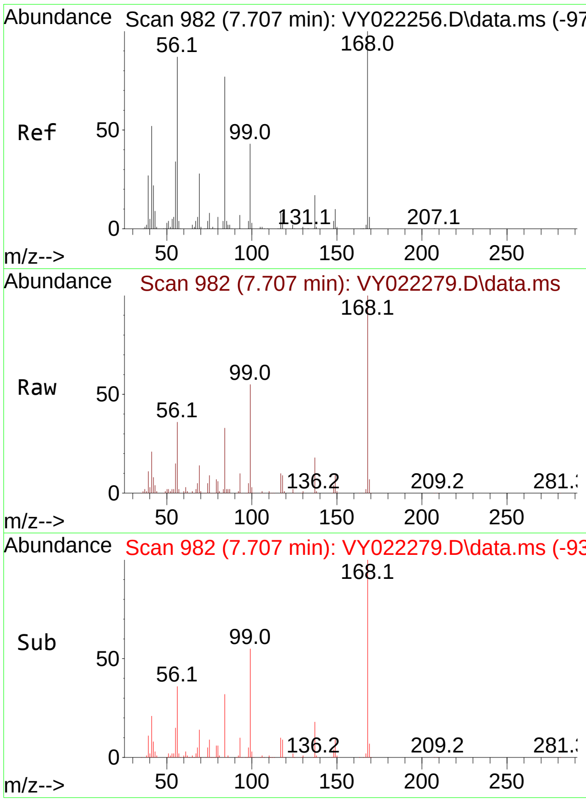
Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title  : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda   05/19/2025
Supervised By :Semsettin Yesilyurt   05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:168 Resp: 205070

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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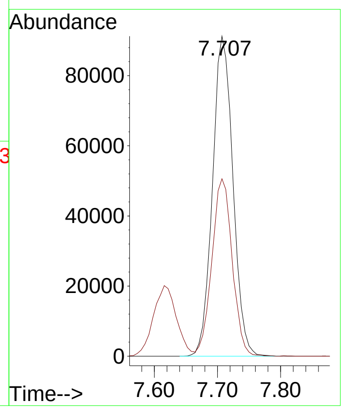
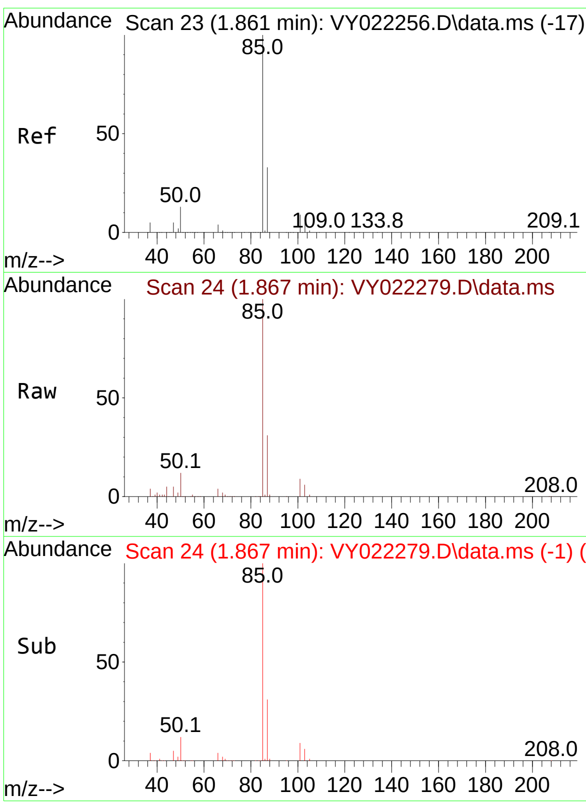
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

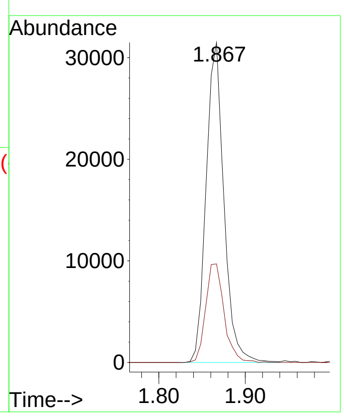




#2
Dichlorodifluoromethane
Concen: 21.053 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 85 Resp: 45052

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.5	49.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
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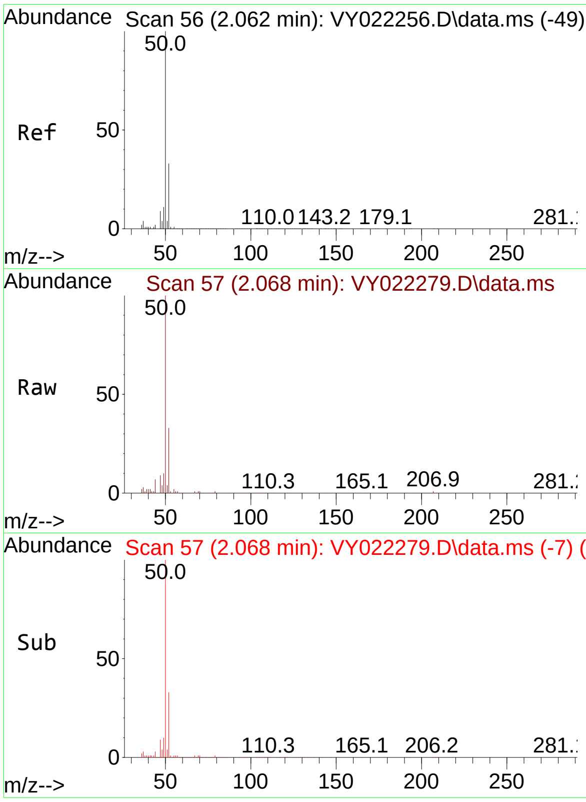
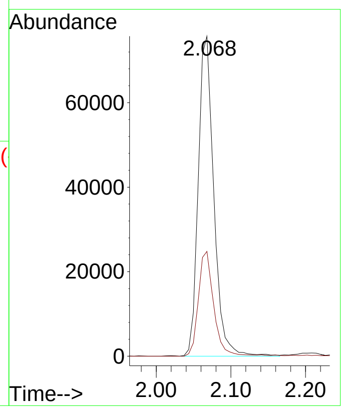
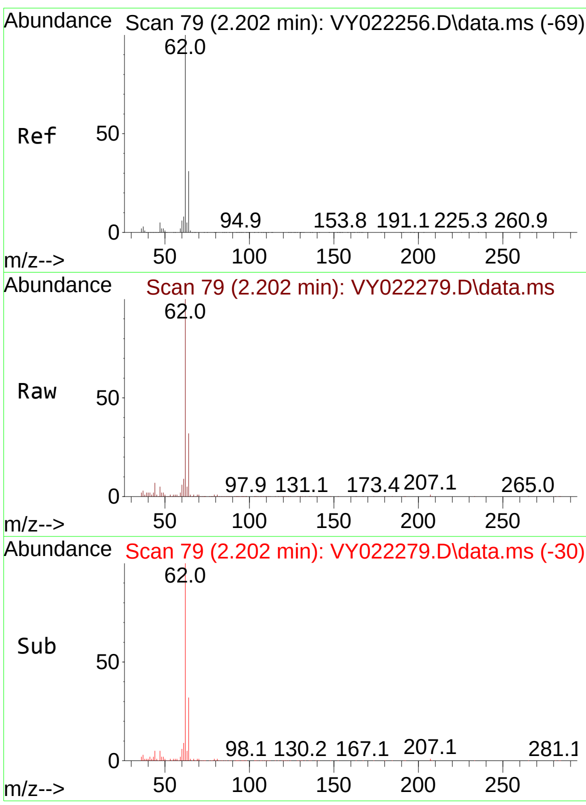


#3
Chloromethane
Concen: 24.357 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 50 Resp: 10964

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7

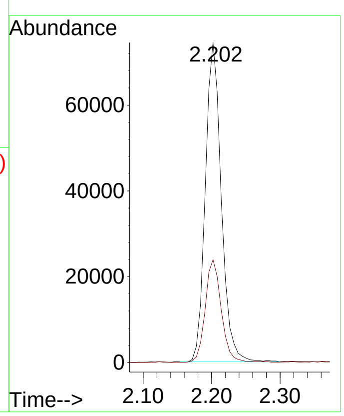




#4
Vinyl Chloride
Concen: 24.051 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 120955

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED
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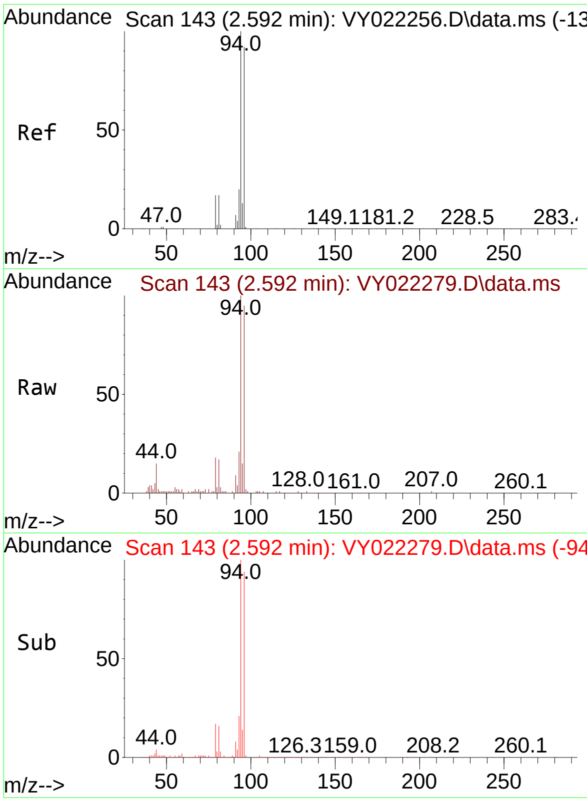
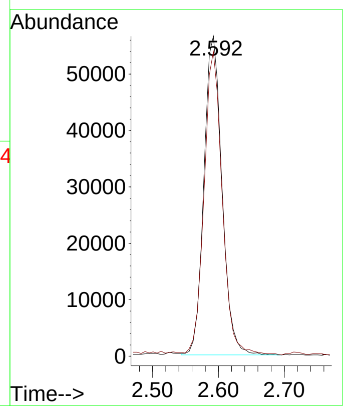
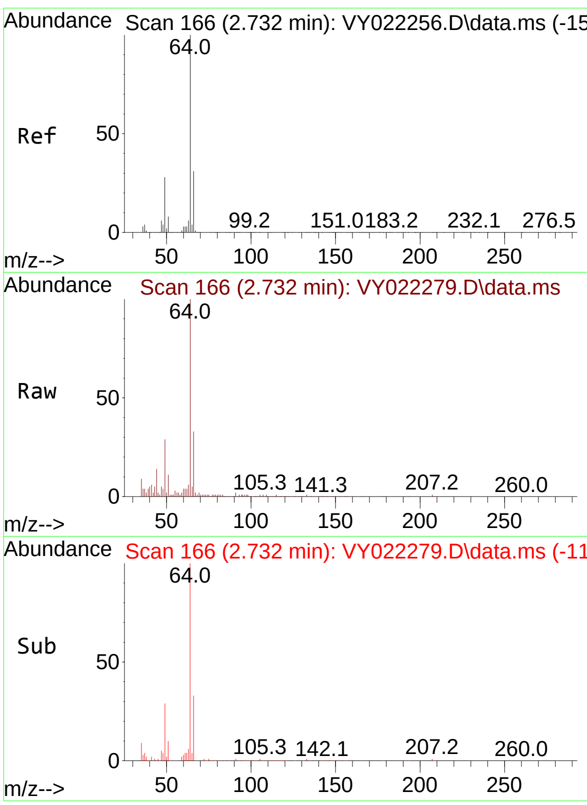


#5
Bromomethane
Concen: 26.460 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 94 Resp: 108325

Ion	Ratio	Lower	Upper
94	100		
96	95.1	73.4	110.0

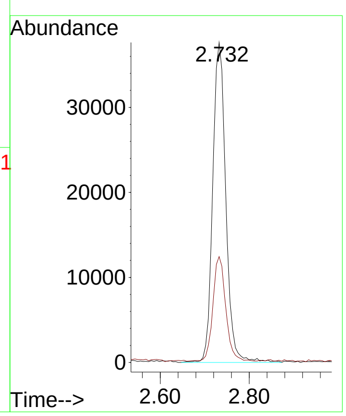


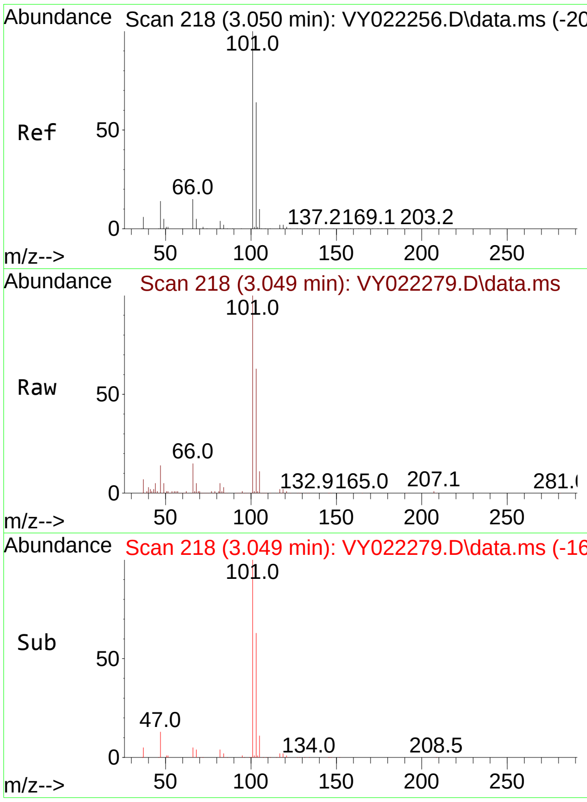


#6
Chloroethane
Concen: 24.698 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 64 Resp: 77272

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.8	37.2





#7
Trichlorofluoromethane
Concen: 22.191 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:101 Resp: 11299

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED
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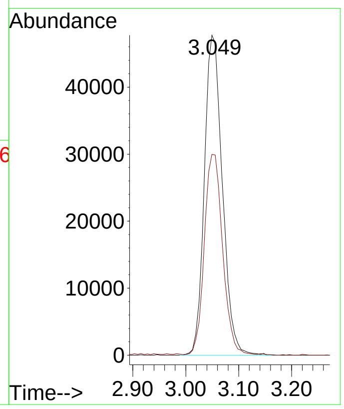
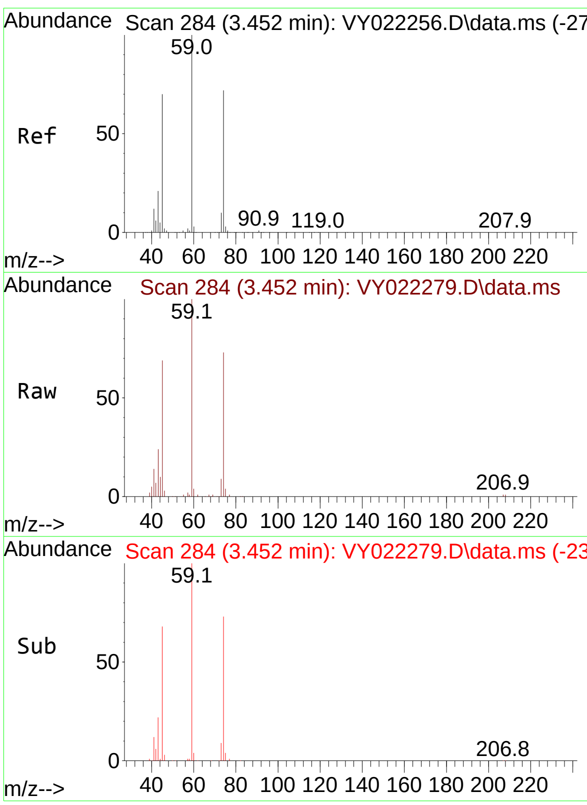
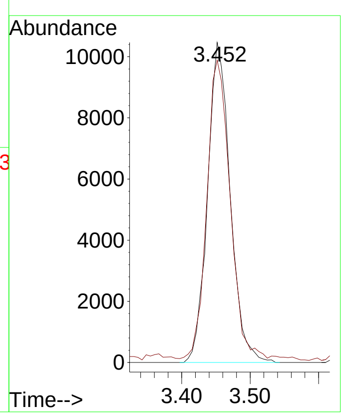


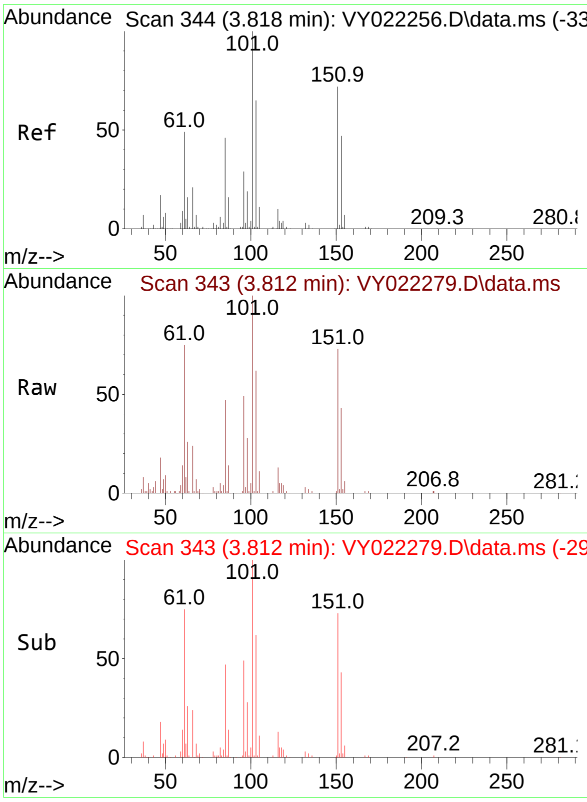


#8
Diethyl Ether
Concen: 19.772 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 74 Resp: 24161

Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.6	145.8

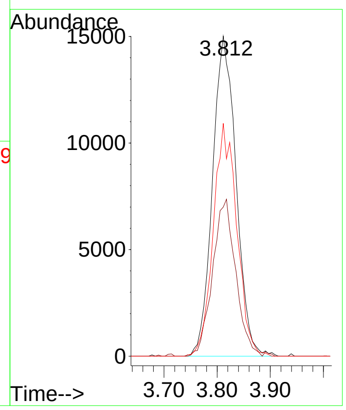




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.973 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:101 Resp: 4636

Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.6	58.0
151	72.7	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

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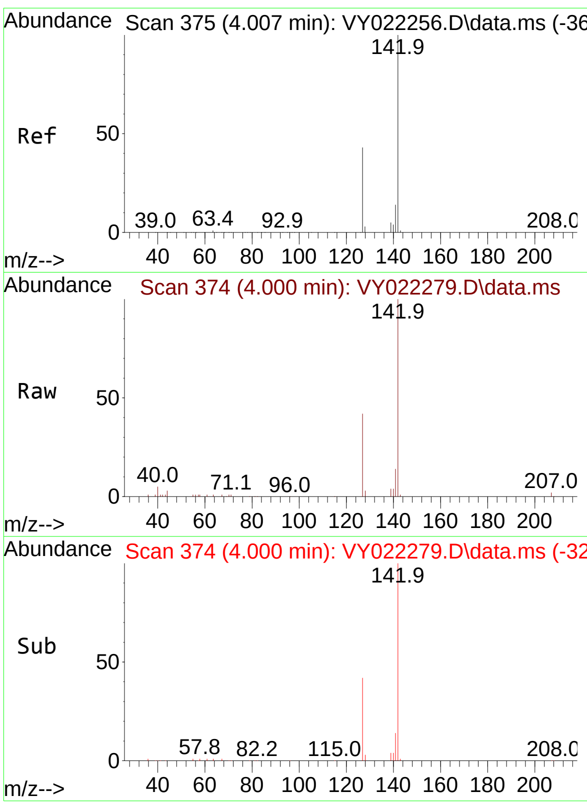
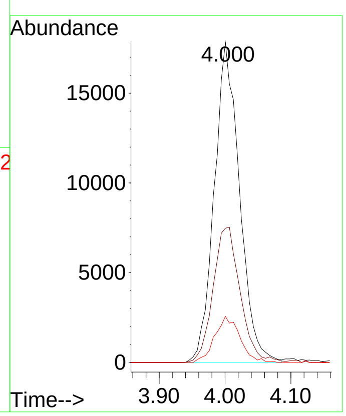
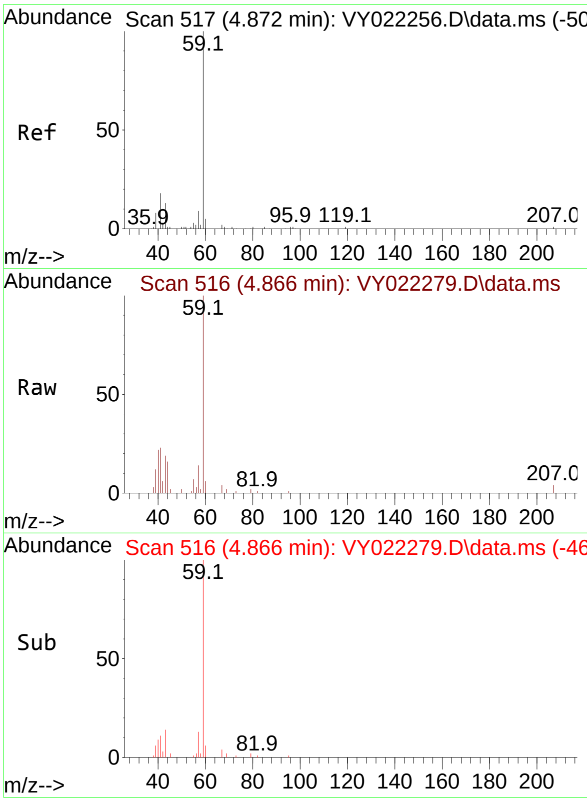


#10
Methyl Iodide
Concen: 18.640 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:142 Resp: 47690

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.3	11.1	16.7





#11
Tert butyl alcohol
Concen: 94.950 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 59 Resp: 1625

Ion	Ratio	Lower	Upper
59	100		
57	5.8	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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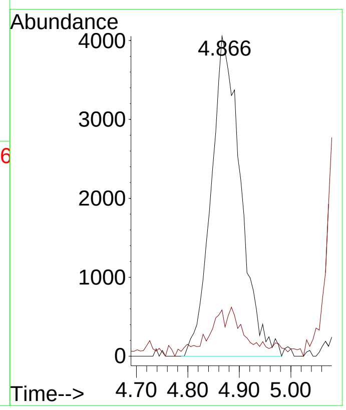
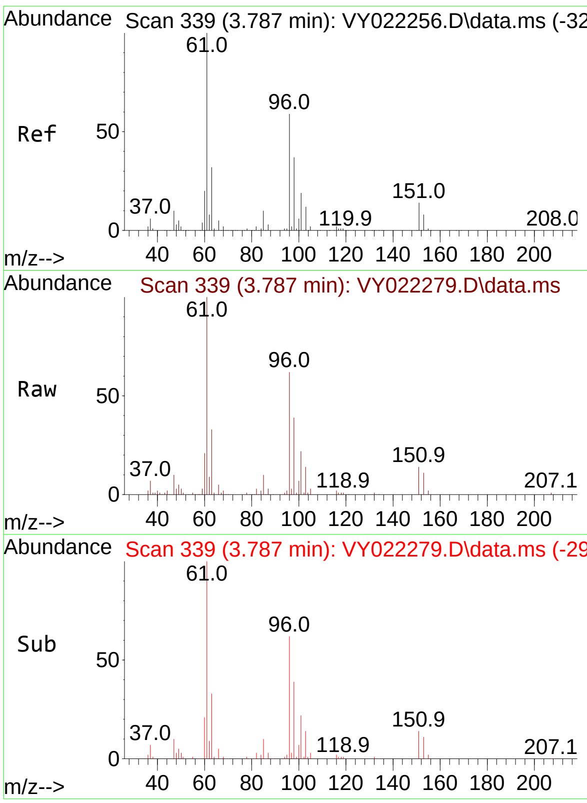
Supervised By :Semsettin Yesilyurt 05/19/2025

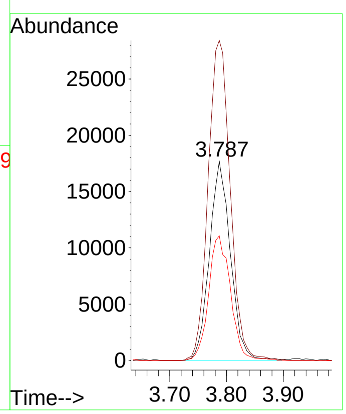




#12
1,1-Dichloroethene
Concen: 20.793 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 96 Resp: 45611

Ion	Ratio	Lower	Upper
96	100		
61	160.8	134.9	202.3
98	62.6	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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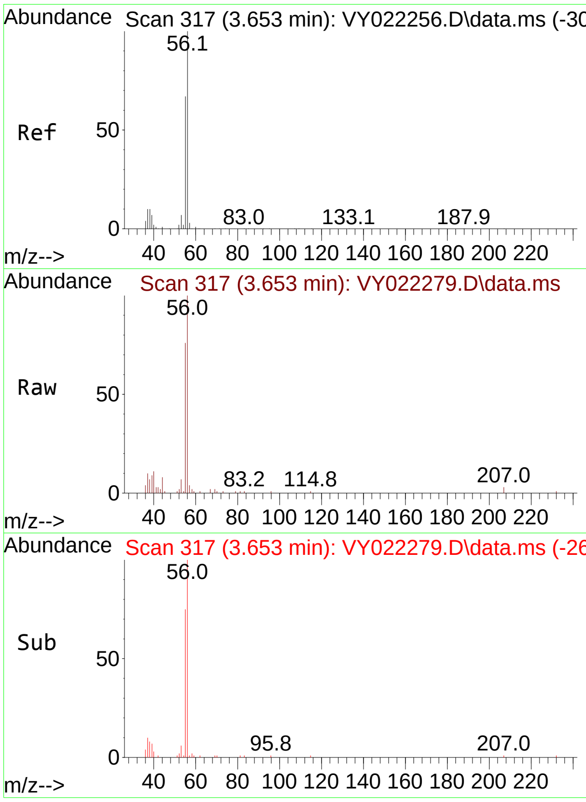
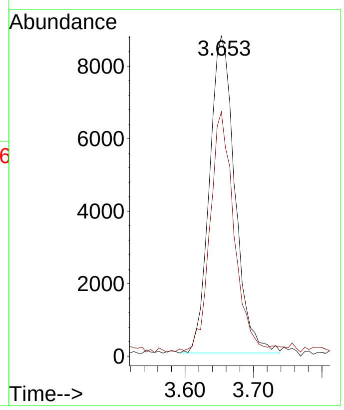
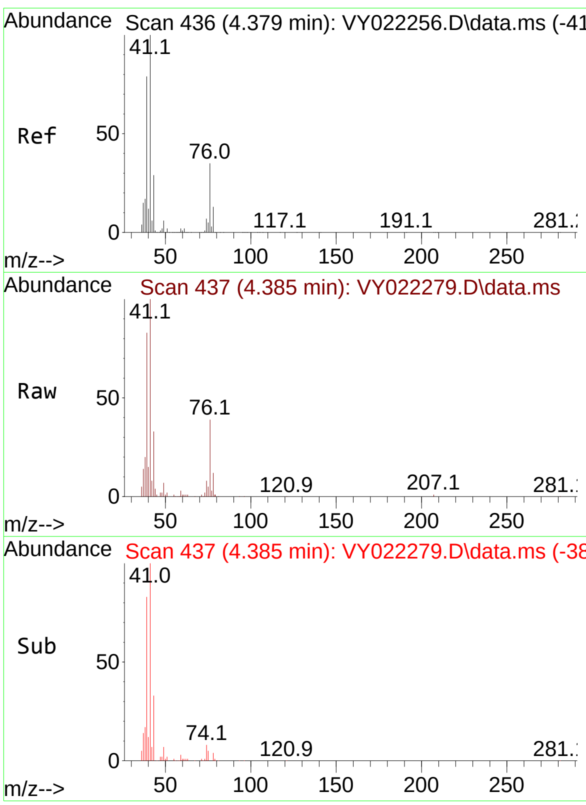
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#13
Acrolein
Concen:   90.276 ug/l
RT:    3.653 min   Scan# 3
Delta R.T.   -0.000 min
Lab File:    VY022279.D
Acq: 16 May 2025   10:09

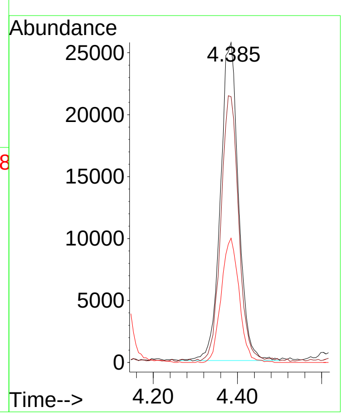
Tgt Ion: 56 Resp:    2258
Ion   Ratio  Lower   Upper
 56   100
 55    71.4   55.6    83.4
```






```
#14
Allyl chloride
Concen:   19.939 ug/l
RT:    4.385 min   Scan# 437
Delta R.T.   0.006 min
Lab File:    VY022279.D
Acq: 16 May 2025   10:09

Tgt Ion: 41 Resp:    76691
Ion   Ratio  Lower   Upper
 41   100
 39    81.3   63.4    95.0
 76    38.7   29.5    44.3
```



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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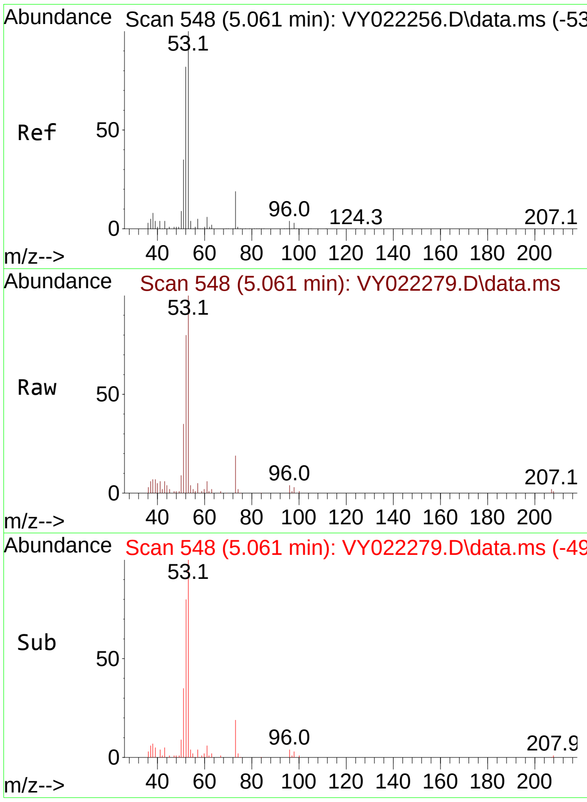
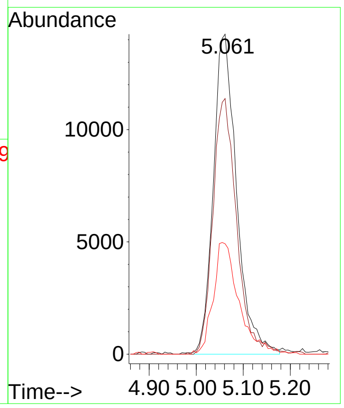
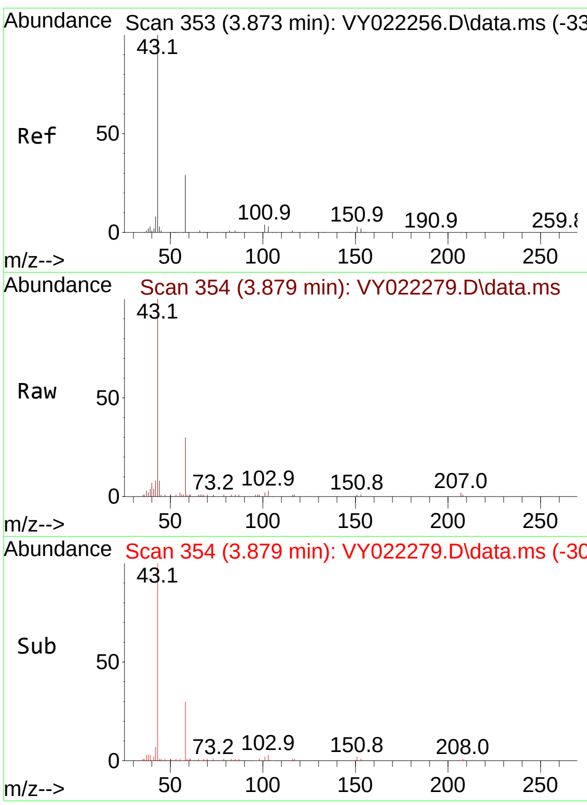


#15
Acrylonitrile
Concen: 97.735 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 53 Resp: 49210

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	38.6	30.0	45.0

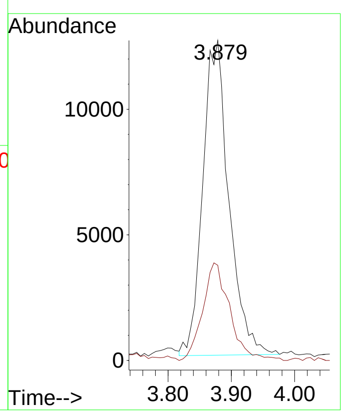


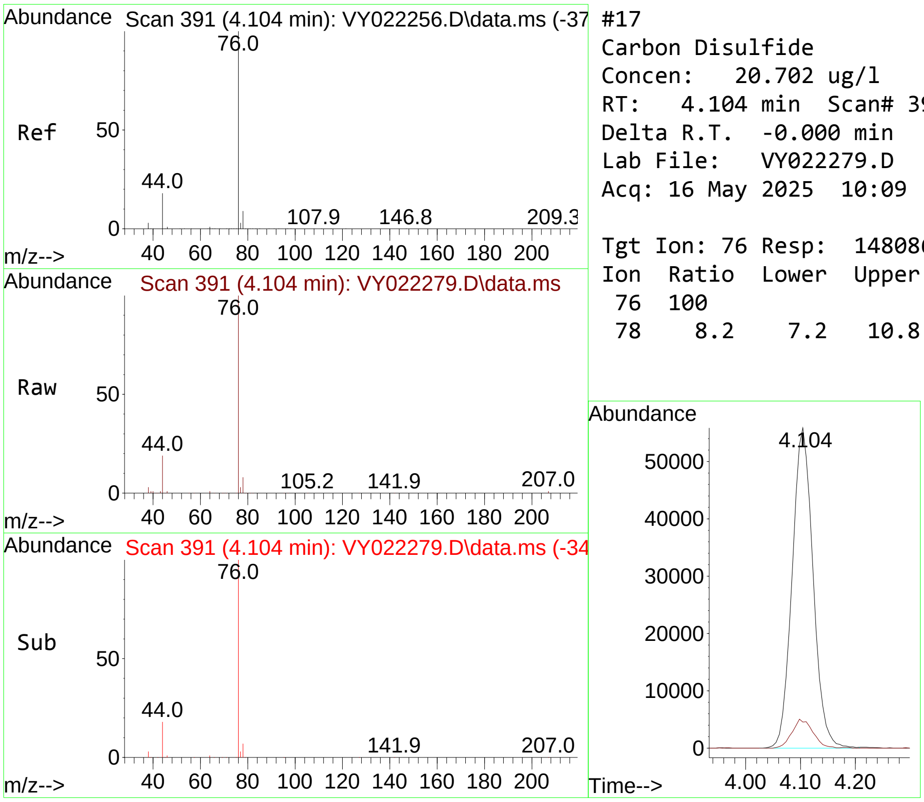


#16
Acetone
Concen: 85.545 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 35951

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.6	35.4





#17
Carbon Disulfide
Concen: 20.702 ug/l
RT: 4.104 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 76 Resp: 148080

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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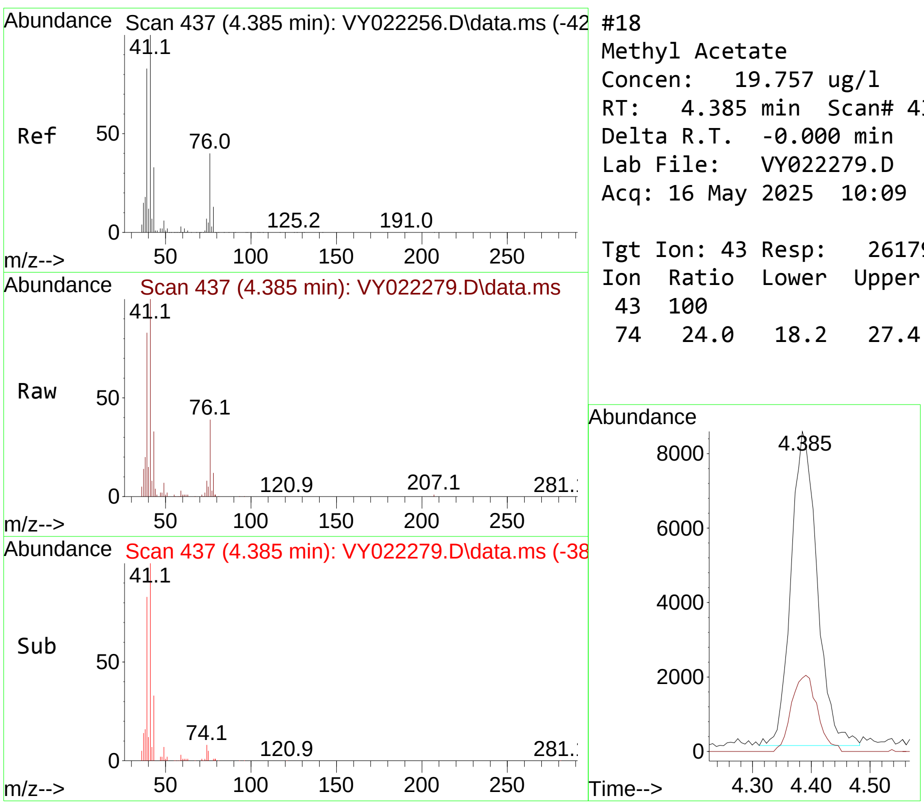

#18
Methyl Acetate
Concen: 19.757 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 26179

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.2	27.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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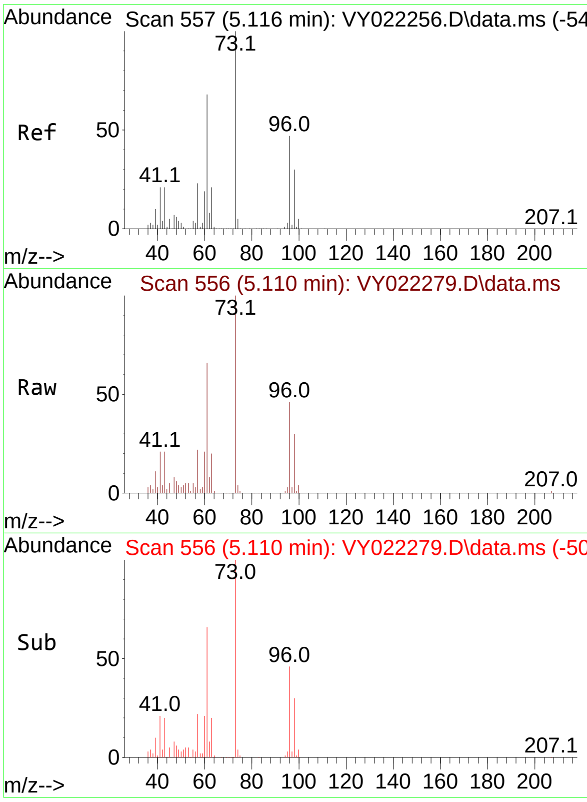
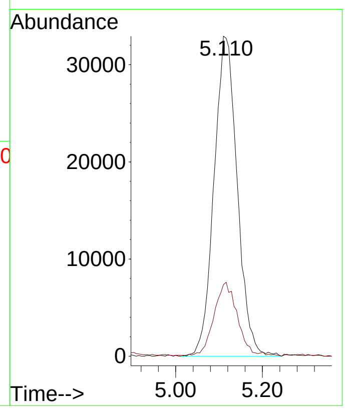
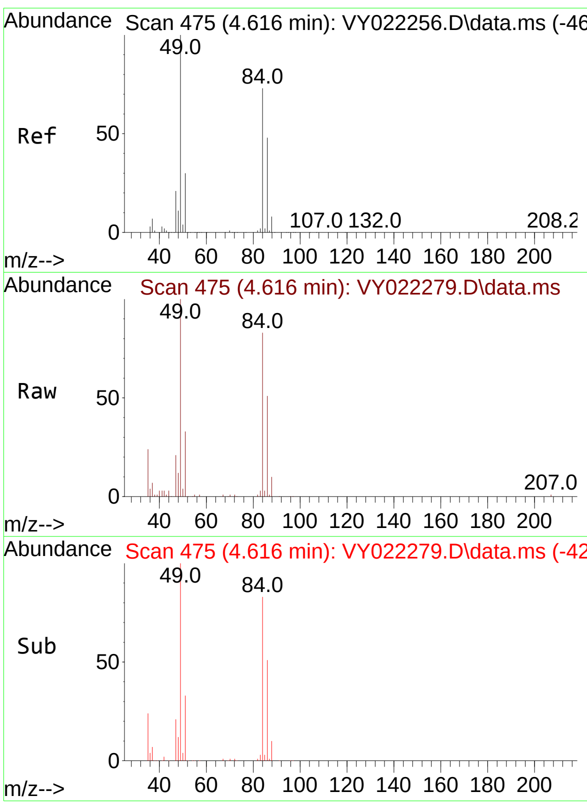


#19
Methyl tert-butyl Ether
Concen: 20.286 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 73 Resp: 12269

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0

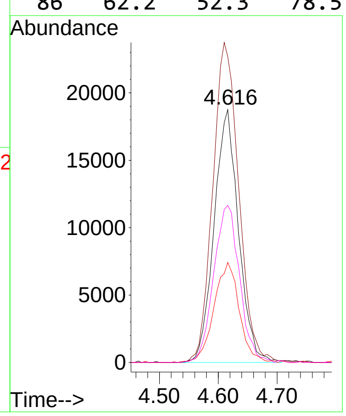




#20
Methylene Chloride
Concen: 19.987 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 84 Resp: 54277

Ion	Ratio	Lower	Upper
84	100		
49	120.7	109.6	164.4
51	39.3	32.4	48.6
86	62.2	52.3	78.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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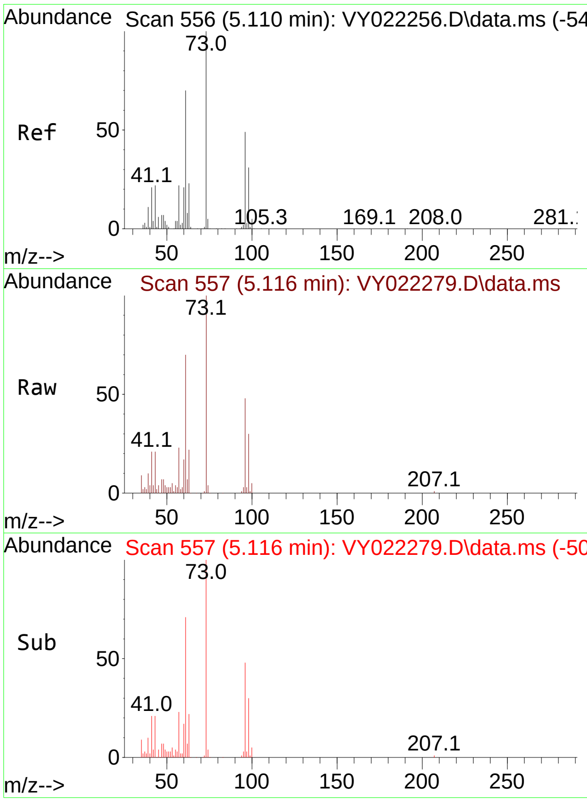
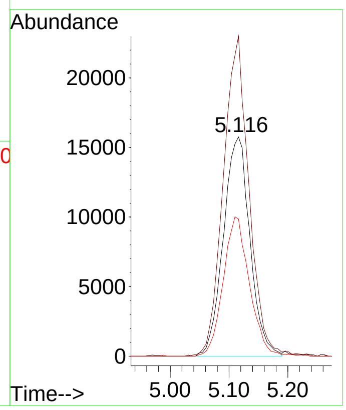
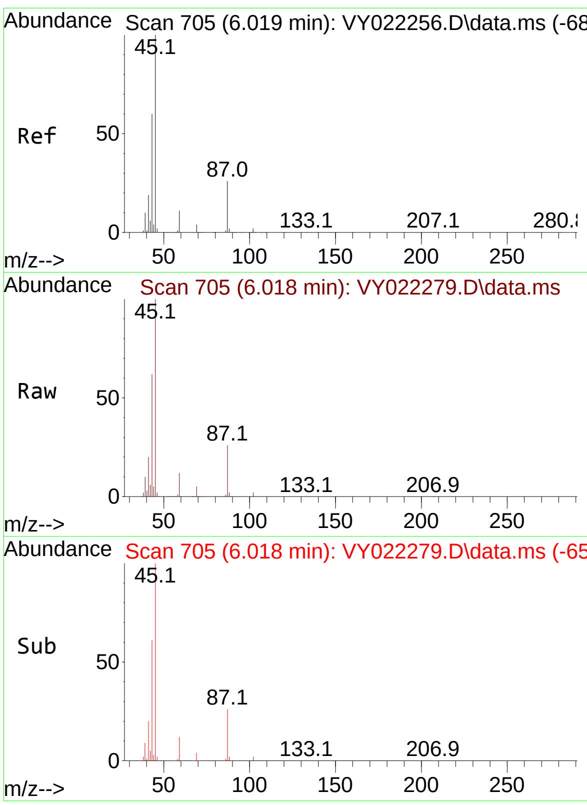


#21
trans-1,2-Dichloroethene
Concen: 20.457 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 96 Resp: 4953

Ion	Ratio	Lower	Upper
96	100		
61	146.0	113.4	170.0
98	62.6	50.9	76.3

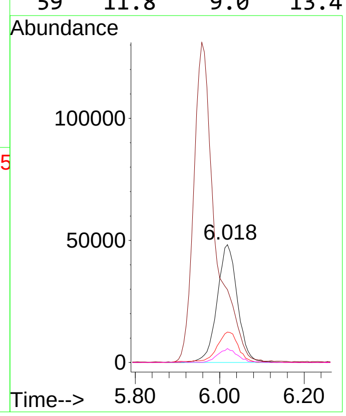


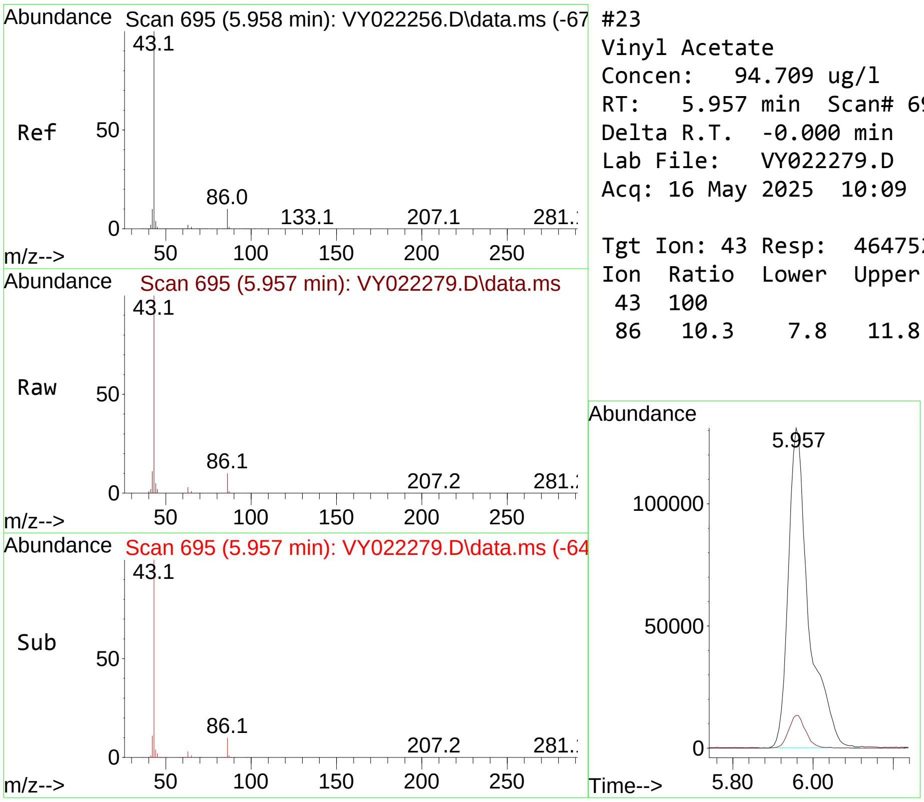


#22
Diisopropyl ether
Concen: 19.788 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 45 Resp: 160728

Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.2	72.2
87	25.7	21.4	32.0
59	11.8	9.0	13.4





#23
Vinyl Acetate
Concen: 94.709 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 46475

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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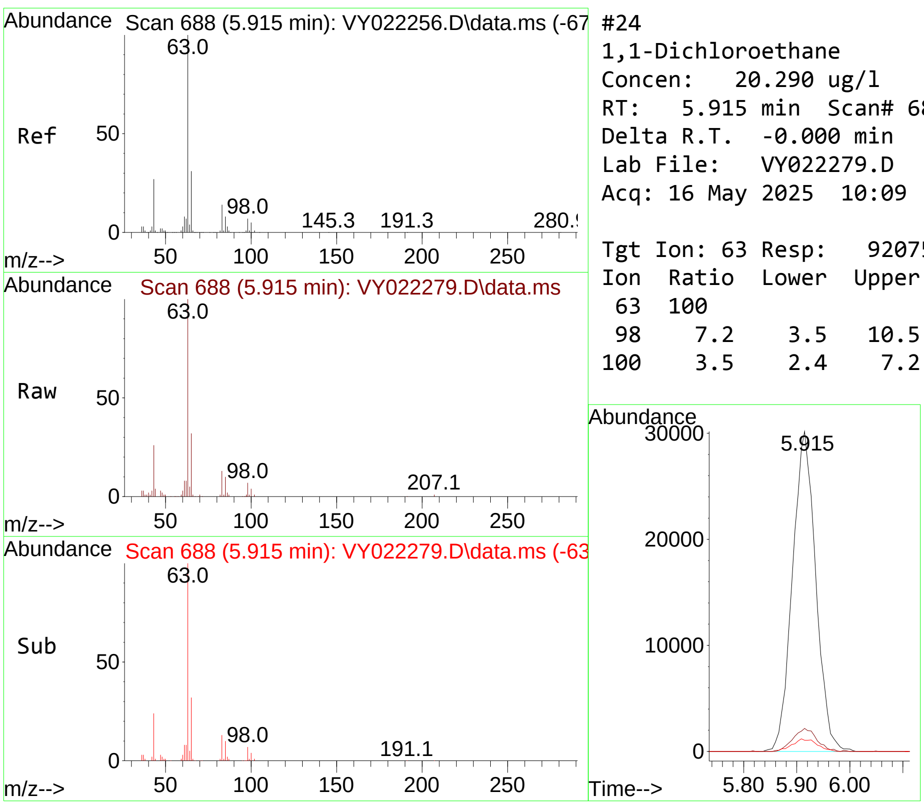

#24
1,1-Dichloroethane
Concen: 20.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 92075

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

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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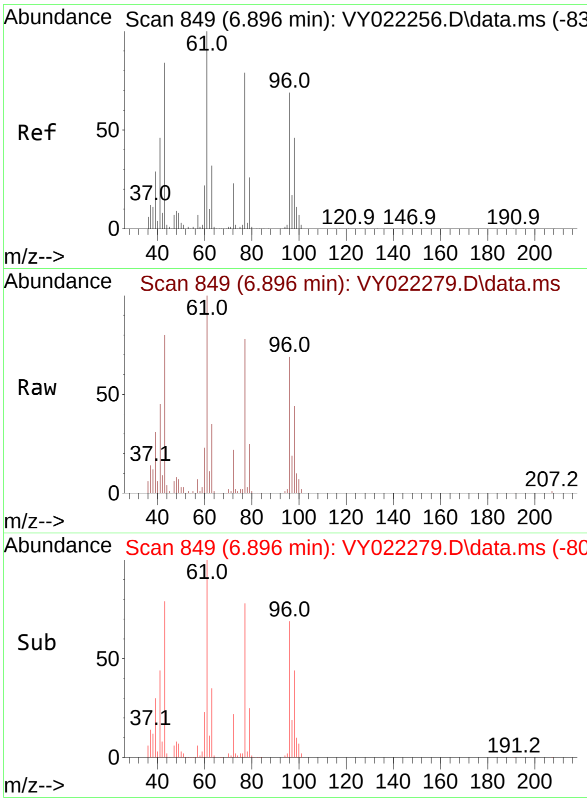
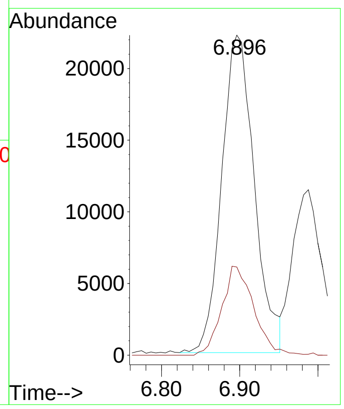
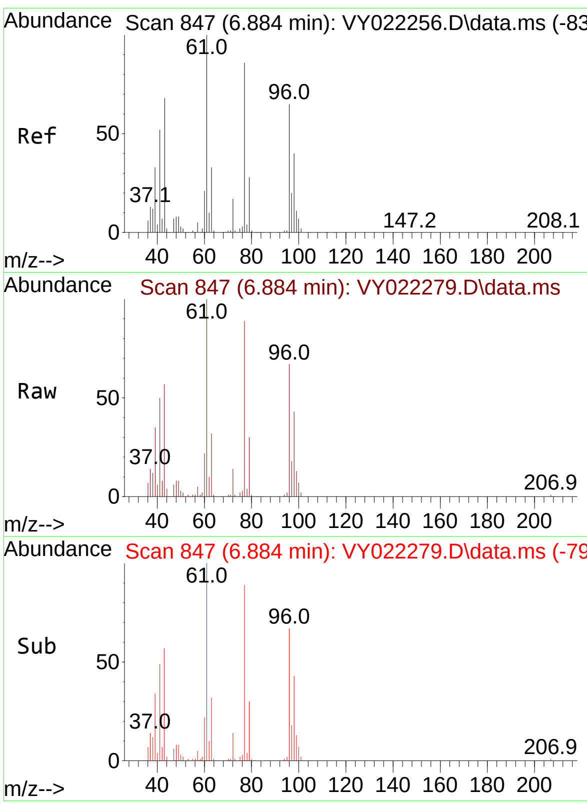


#25
2-Butanone
Concen: 91.546 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 6435

Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.1	33.1

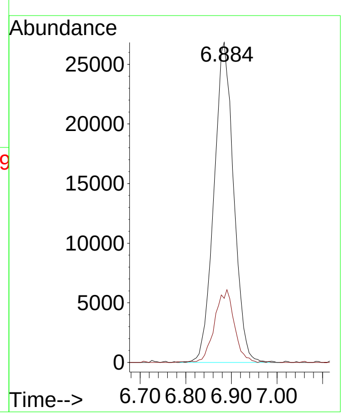




#26
2,2-Dichloropropane
Concen: 20.039 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 77 Resp: 80883

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5



Instrument : MSVOA_Y
ClientSampleId : VY0516SBS01

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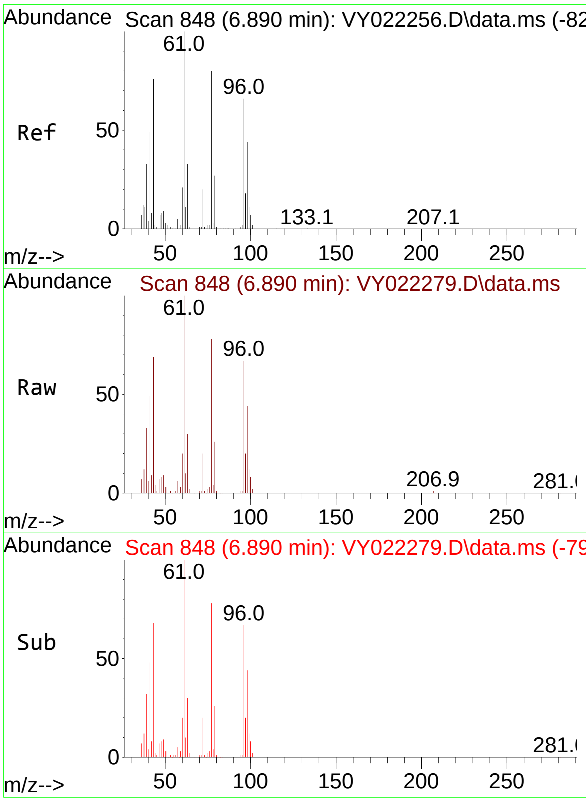
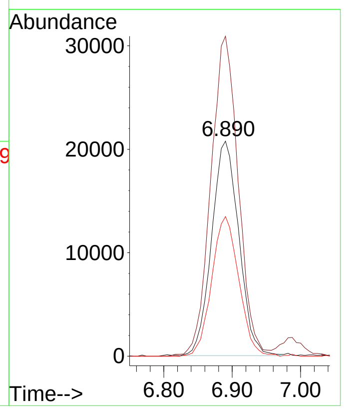
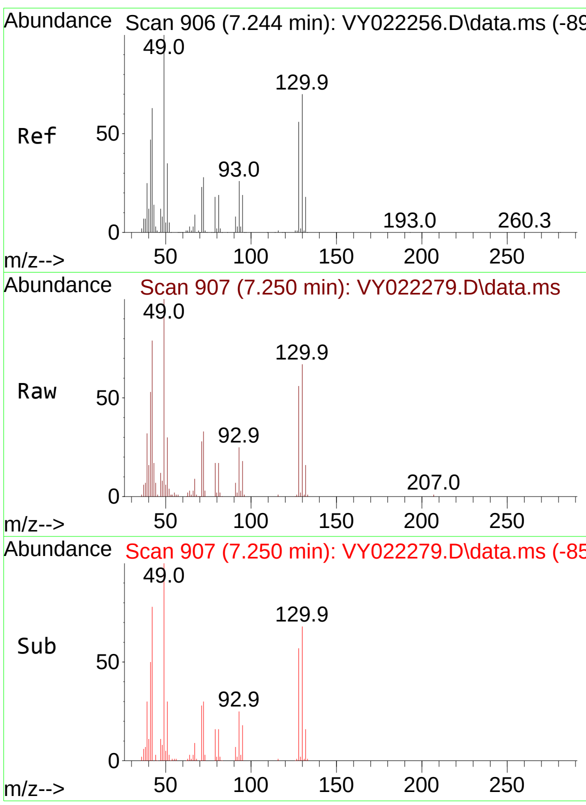



```
#27
cis-1,2-Dichloroethene
Concen:   20.572 ug/l
RT:   6.890 min   Scan# 84
Delta R.T.   -0.000 min
Lab File:    VY022279.D
Acq: 16 May 2025   10:09

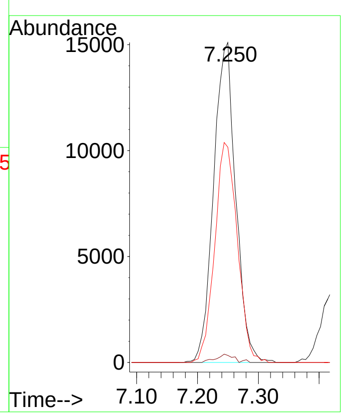
Tgt Ion: 96 Resp:   5748(
Ion   Ratio   Lower   Upper
 96   100
 61   150.3     0.0   302.6
 98    64.6     0.0   128.8
```

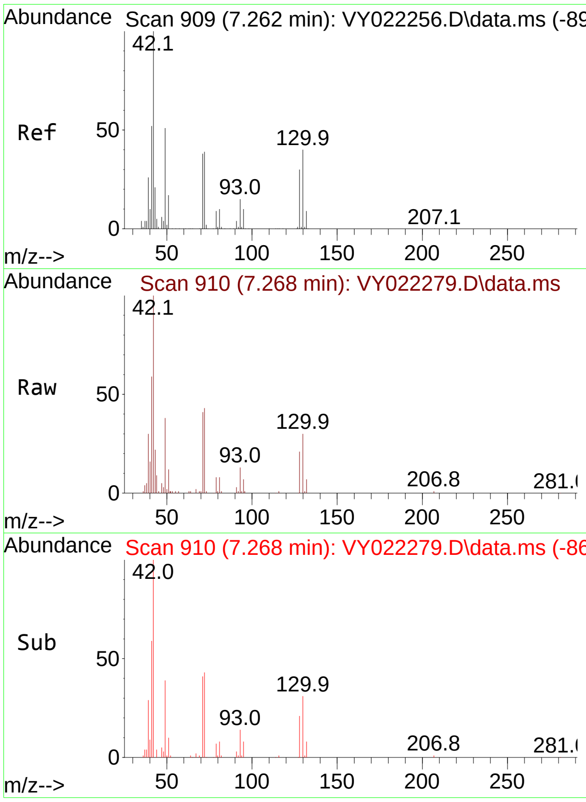





```
#28
Bromochloromethane
Concen:   19.722 ug/l
RT:   7.250 min   Scan# 907
Delta R.T.   0.006 min
Lab File:    VY022279.D
Acq: 16 May 2025   10:09

Tgt Ion: 49 Resp:    38175
Ion   Ratio   Lower   Upper
 49   100
129     2.0     0.0     3.6
130    70.3    54.7    82.1
```





#29
Tetrahydrofuran
Concen: 95.450 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 42 Resp: 4316

Ion	Ratio	Lower	Upper
42	100		
72	44.9	33.8	50.6
71	41.4	31.5	47.3

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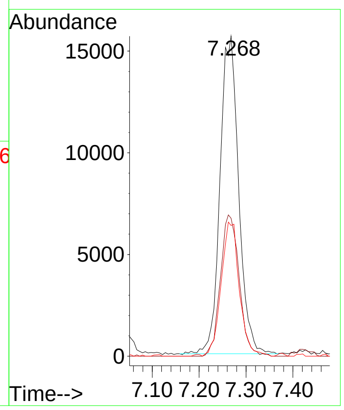
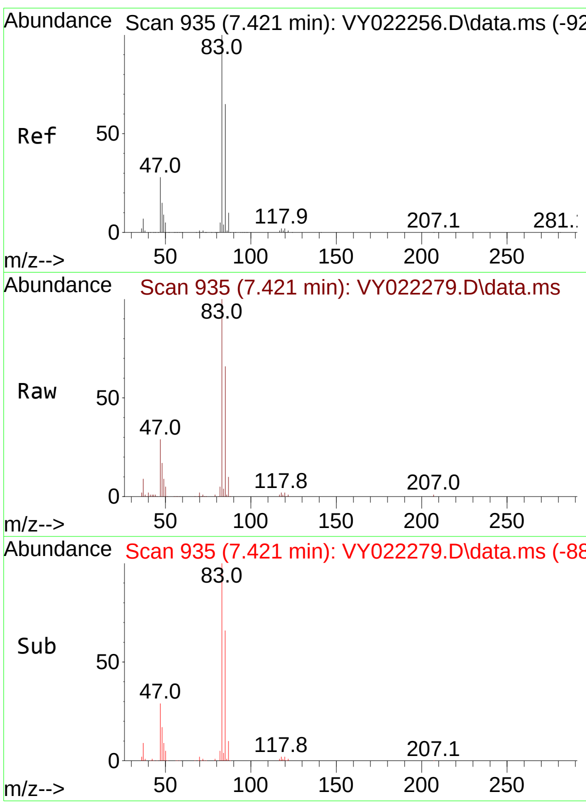
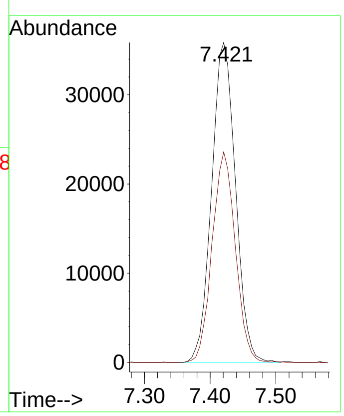




#30
Chloroform
Concen: 20.889 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 90925

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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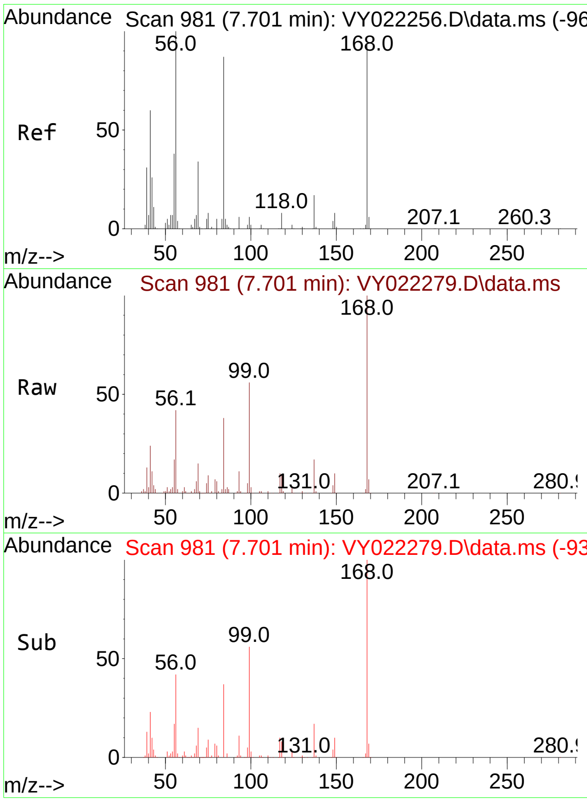
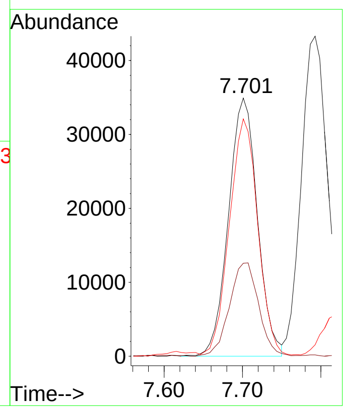
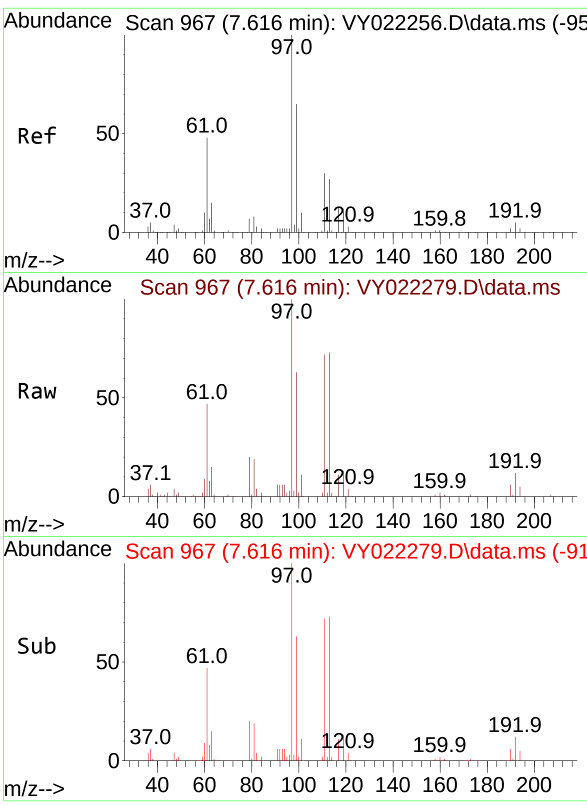


#31
Cyclohexane
Concen: 19.756 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 56 Resp: 8957

Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.4	41.2
84	90.5	70.0	105.0

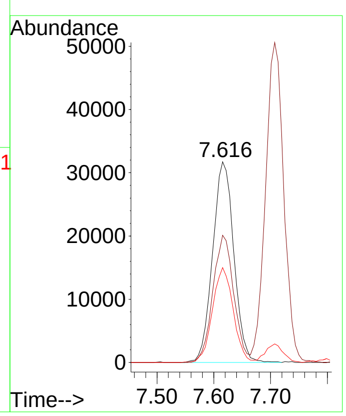




#32
1,1,1-Trichloroethane
Concen: 20.641 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 97 Resp: 82428

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	46.2	38.1	57.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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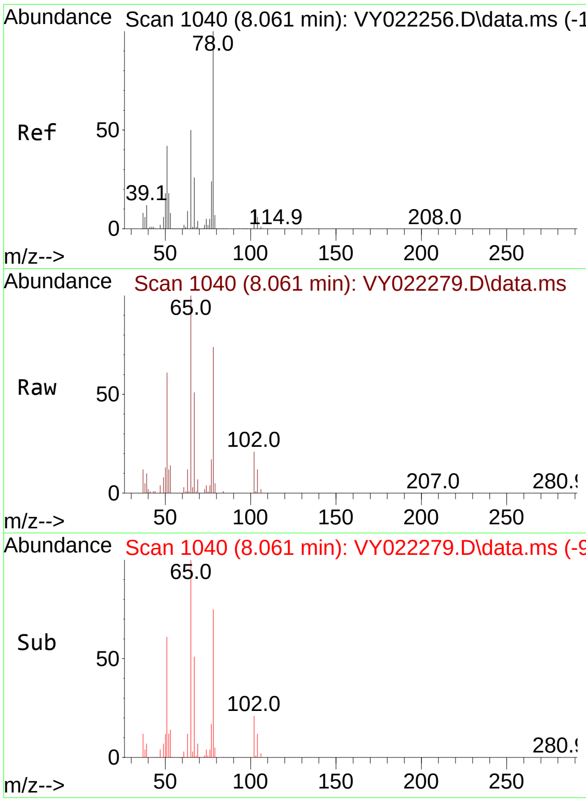
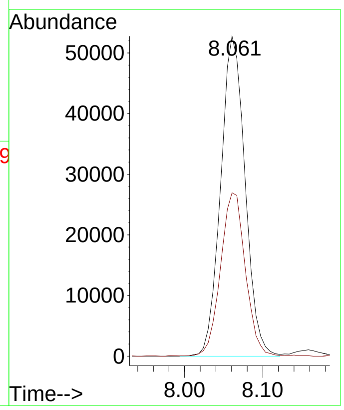
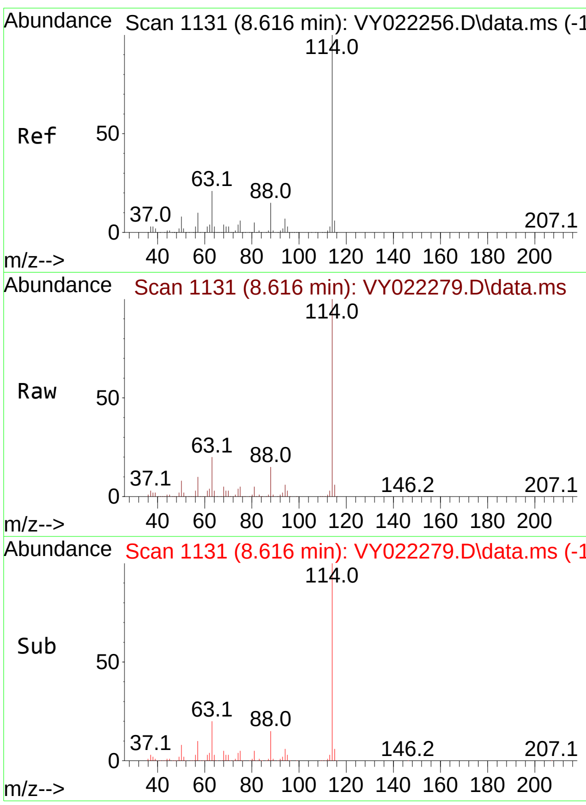


#33
1,2-Dichloroethane-d4
Concen: 51.121 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 65 Resp: 11457

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

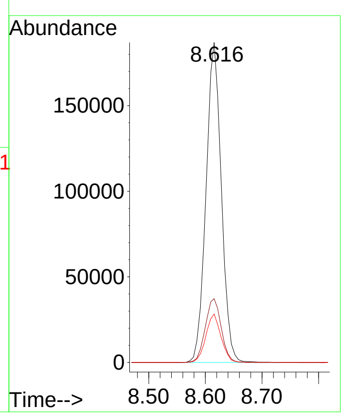




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:114 Resp: 351708

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.0
88	15.1	0.0	29.4



Sample Results: **VY022279.D**

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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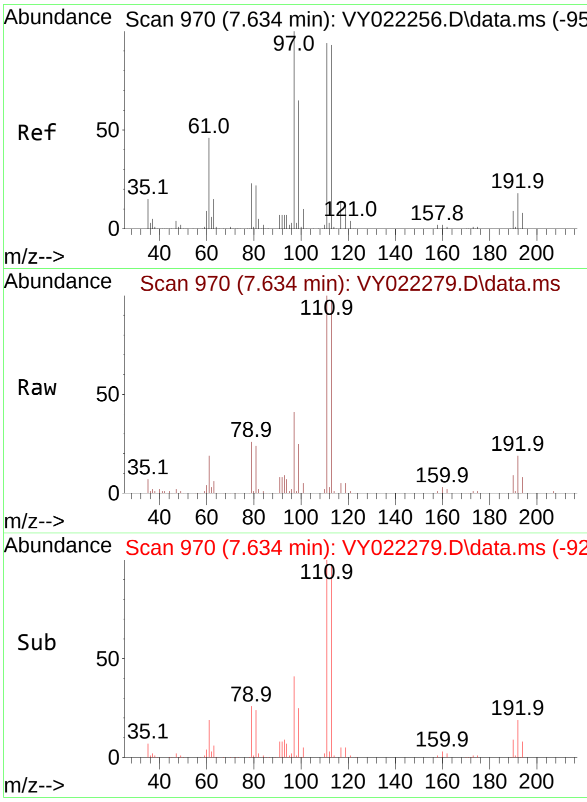
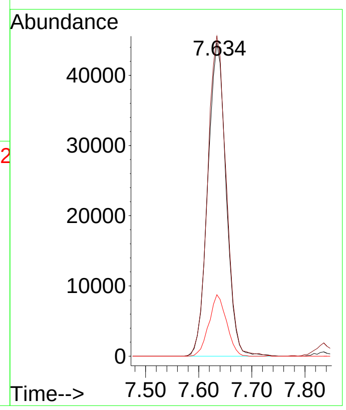
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

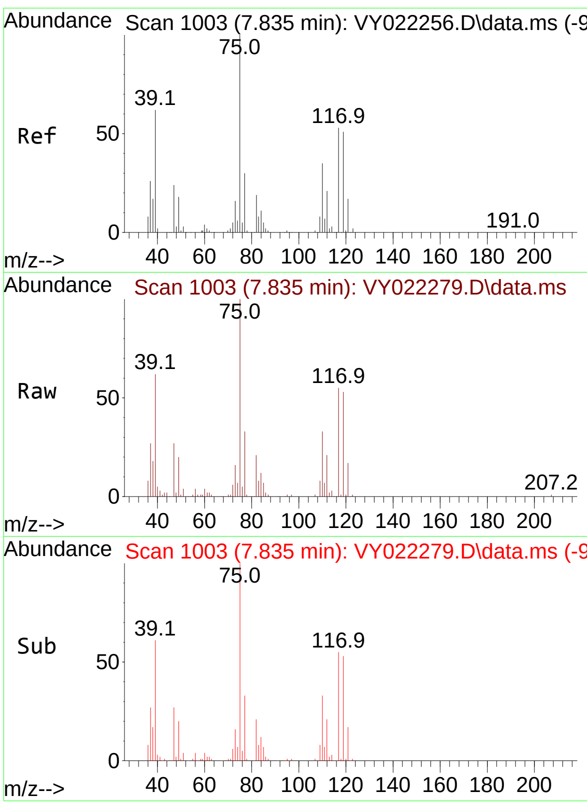


#35
Dibromofluoromethane
Concen: 50.809 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:113 Resp: 10665

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.0	15.2	22.8

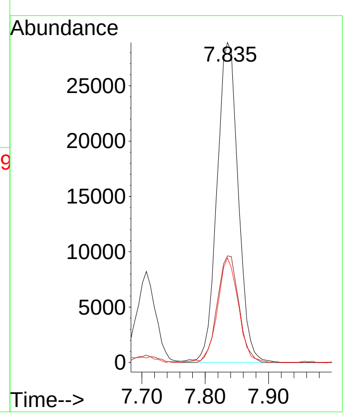


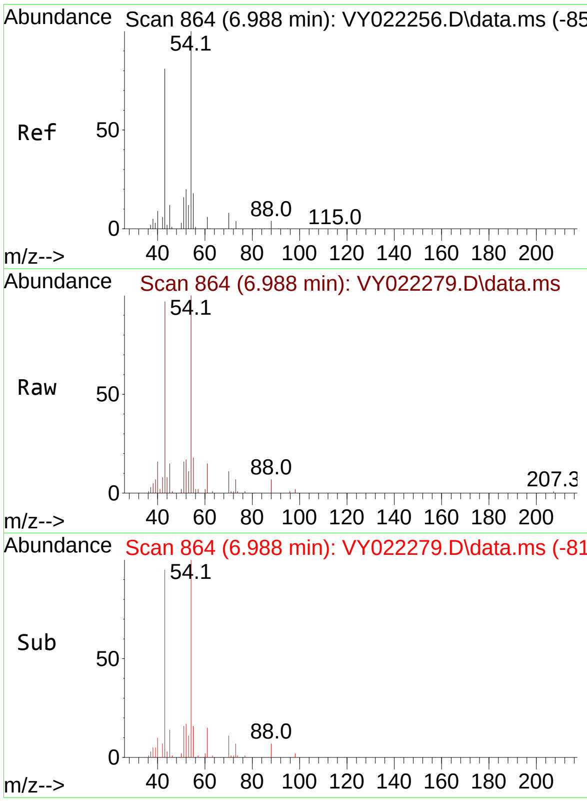


#36
1,1-Dichloropropene
Concen: 19.498 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 67416

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.8
77	32.0	24.6	37.0





#37
Ethyl Acetate
Concen: 18.206 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 3028

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.2
70	10.9	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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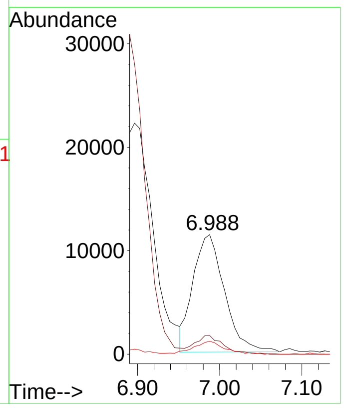
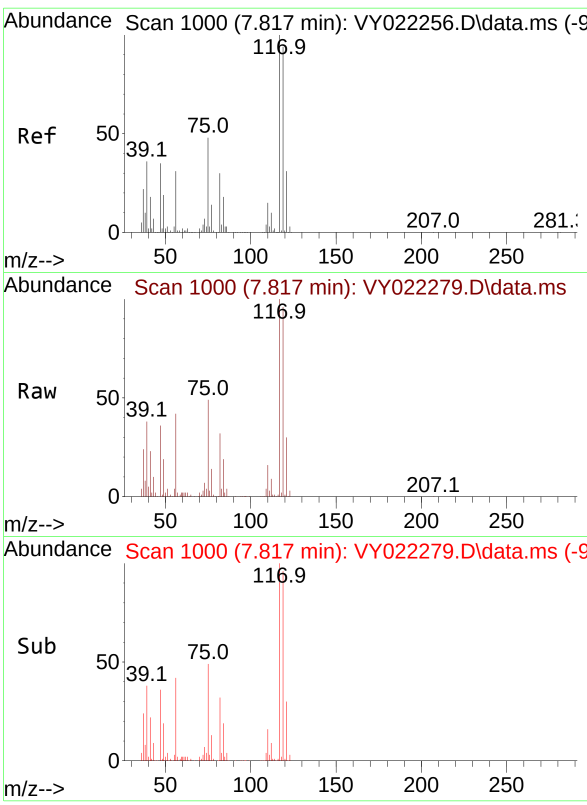
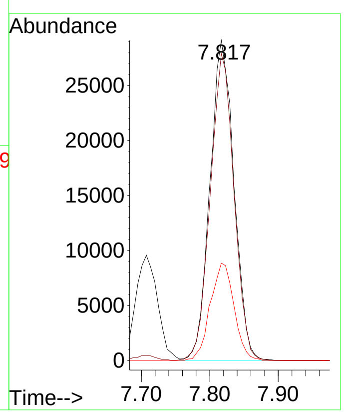




#38
Carbon Tetrachloride
Concen: 19.833 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 70982

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	30.4	24.7	37.1



Instrument :
MSVOA_Y
ClientSampleId :
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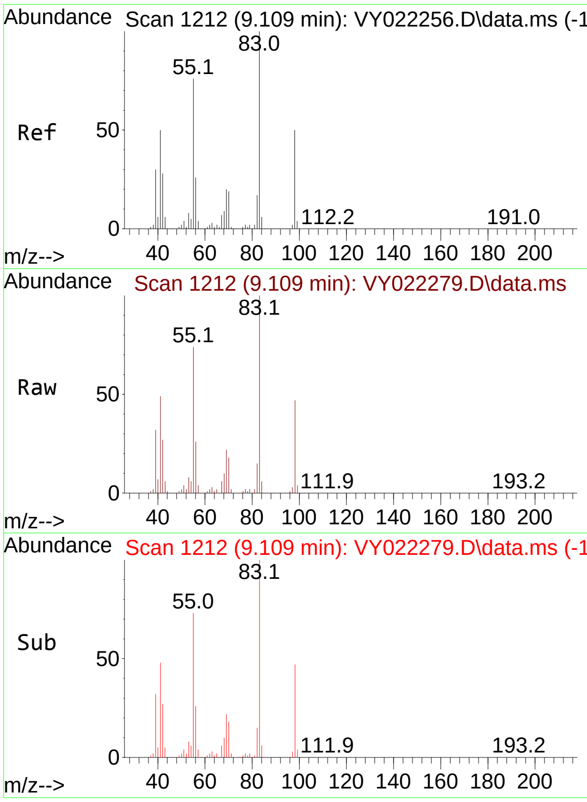
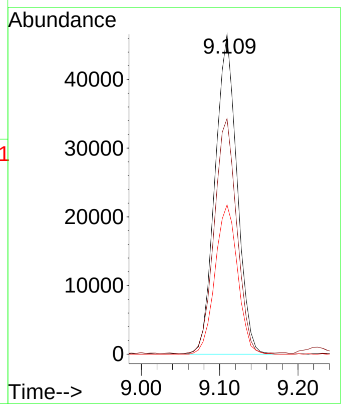
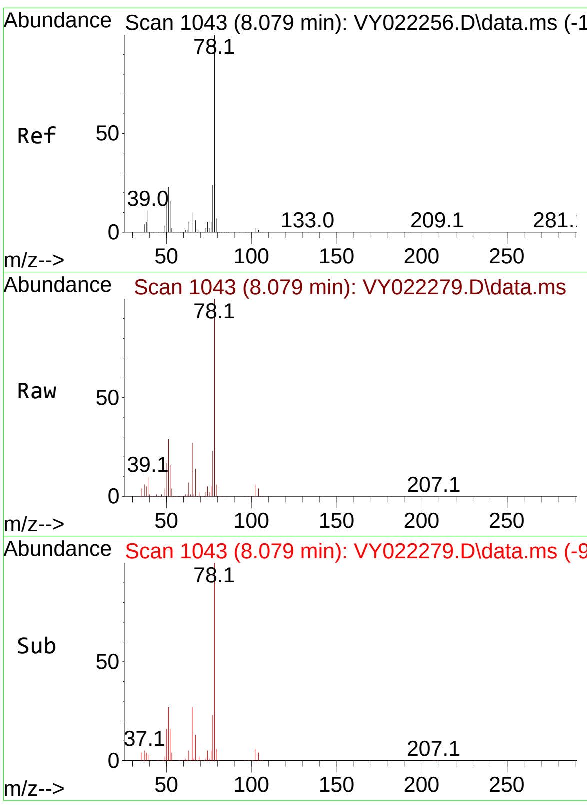


#39
Methylcyclohexane
Concen: 19.583 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 9096

Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.6	90.8
98	46.6	40.0	60.0

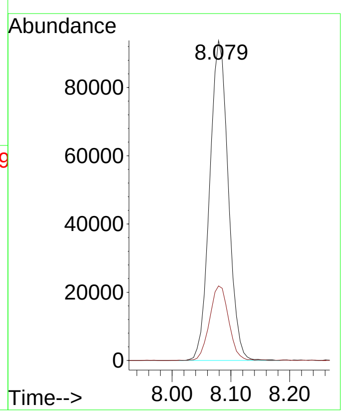




#40
Benzene
Concen: 20.100 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 78 Resp: 206032

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3



Instrument :
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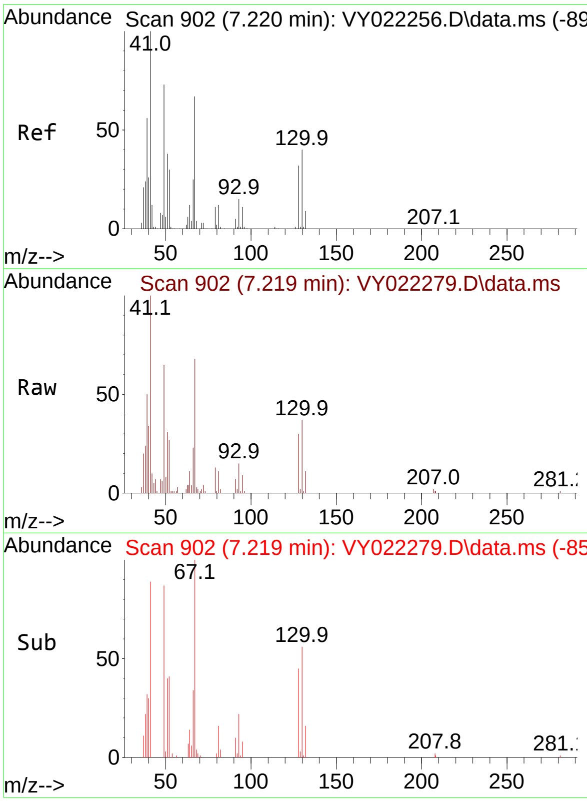
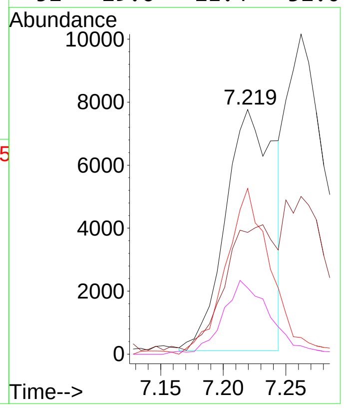
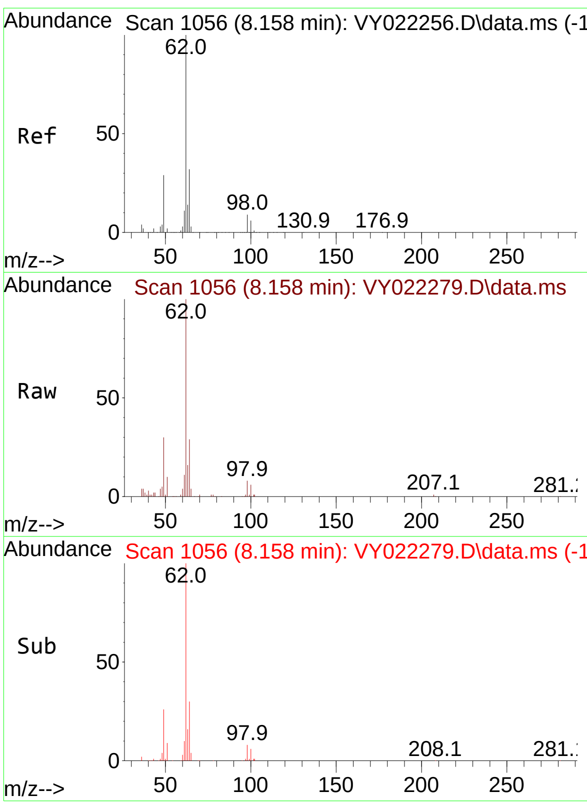


#41
Methacrylonitrile
Concen: 18.760 ug/l m
RT: 7.219 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 2070

Ion	Ratio	Lower	Upper
41	100		
39	53.7	39.1	58.7
67	64.4	47.1	70.7
52	29.6	21.4	32.0

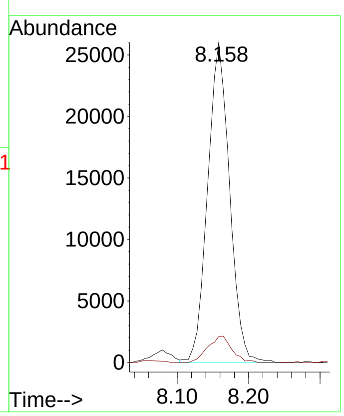




#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 55663

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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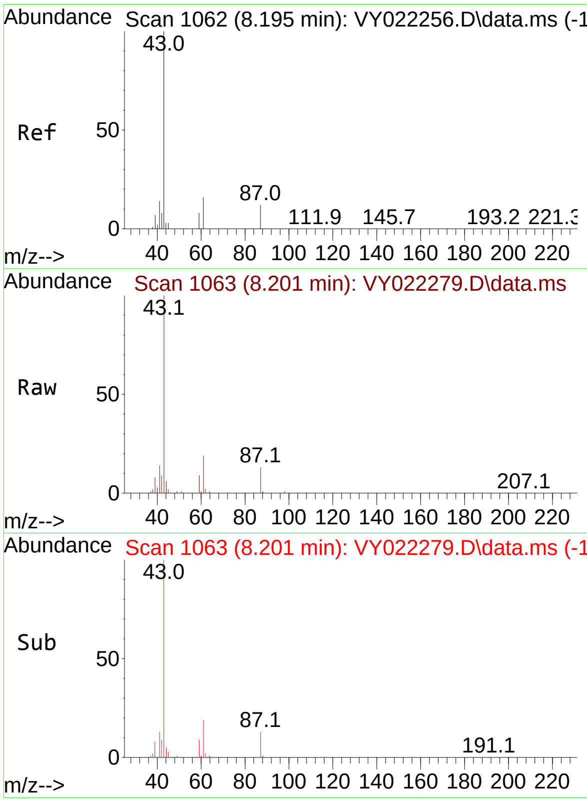
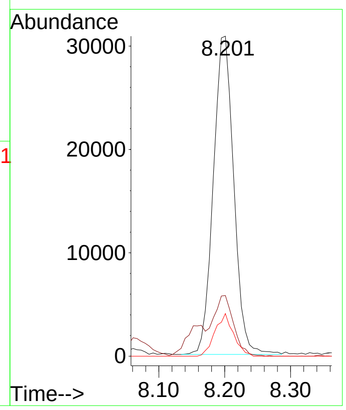
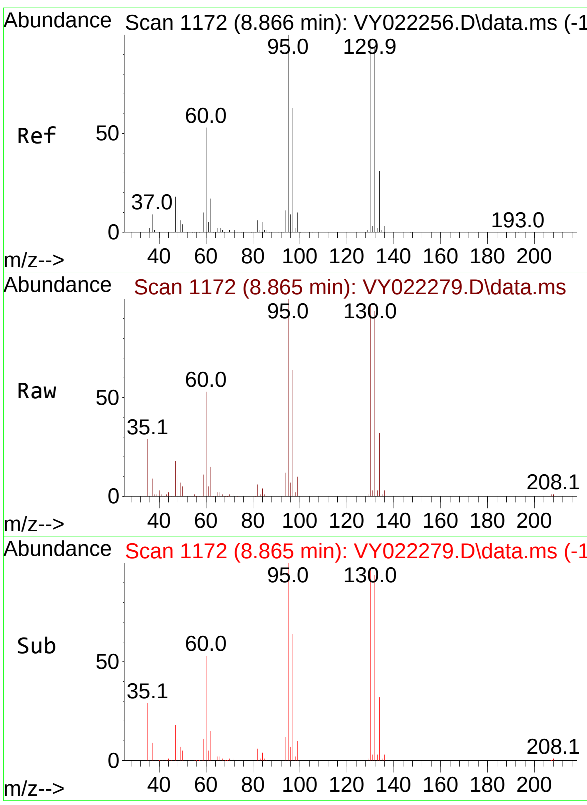



```
#43
Isopropyl Acetate
Concen:   18.350 ug/l
RT:   8.201 min  Scan# 1(
Delta R.T.  0.006 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

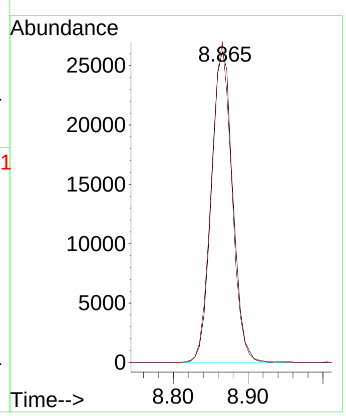
Tgt Ion: 43 Resp:   6657
Ion  Ratio  Lower  Upper
 43  100
 61   19.0   15.1   22.7
 87   12.1    9.7   14.5
```

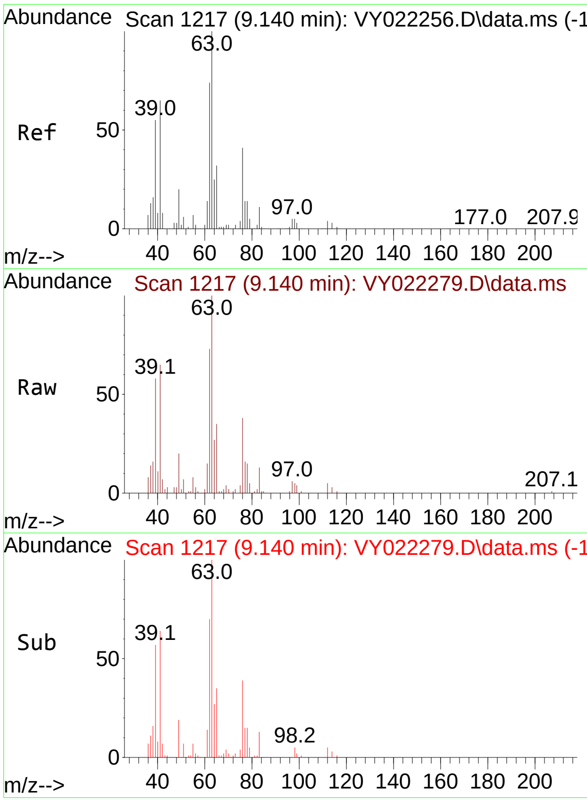





```
#44
Trichloroethene
Concen:   20.403 ug/l
RT:   8.865 min  Scan# 1172
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

Tgt Ion:130 Resp:   52001
Ion  Ratio  Lower  Upper
130  100
 95  102.9    0.0  204.8
```





#45
1,2-Dichloropropane
Concen: 19.433 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 63 Resp: 4802

Ion	Ratio	Lower	Upper
63	100		
65	35.1	25.7	38.5

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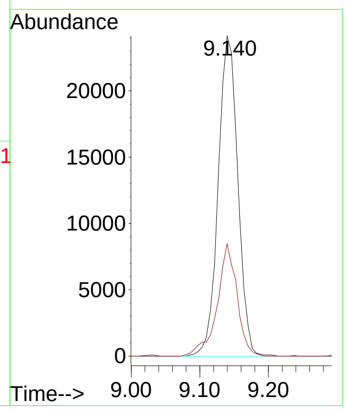
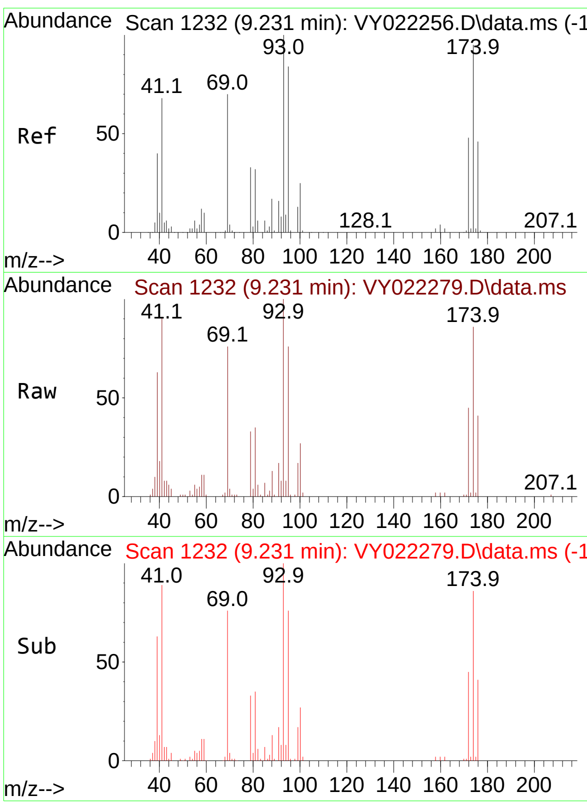
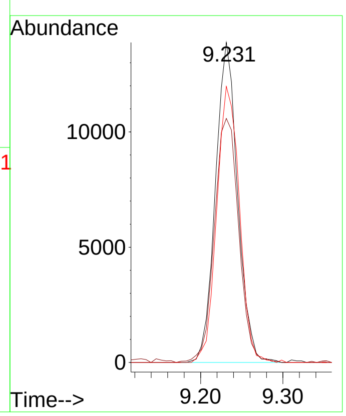




#46
Dibromomethane
Concen: 19.529 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 93 Resp: 26030

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.2	97.8
174	88.1	74.3	111.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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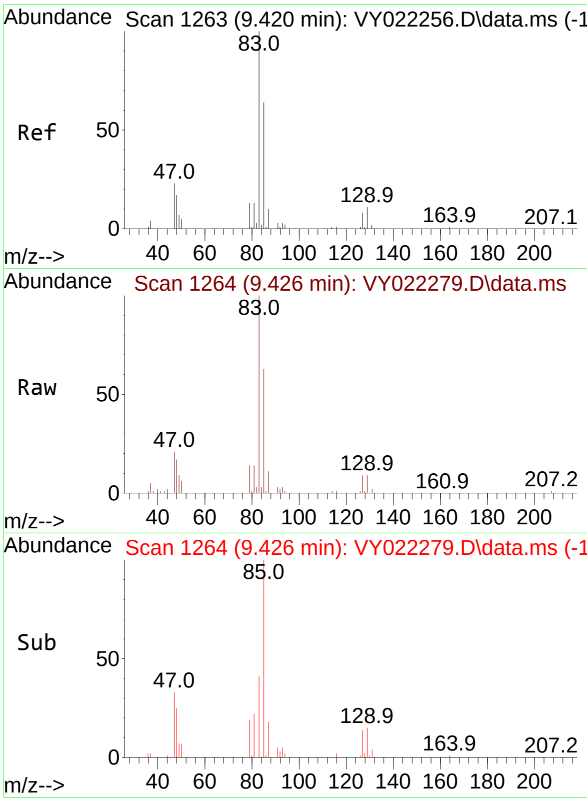
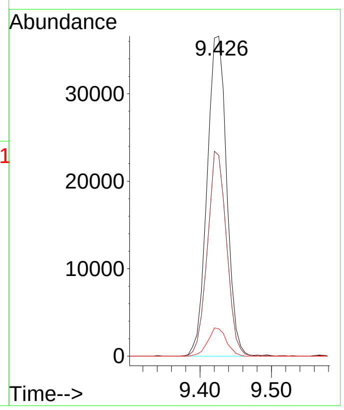
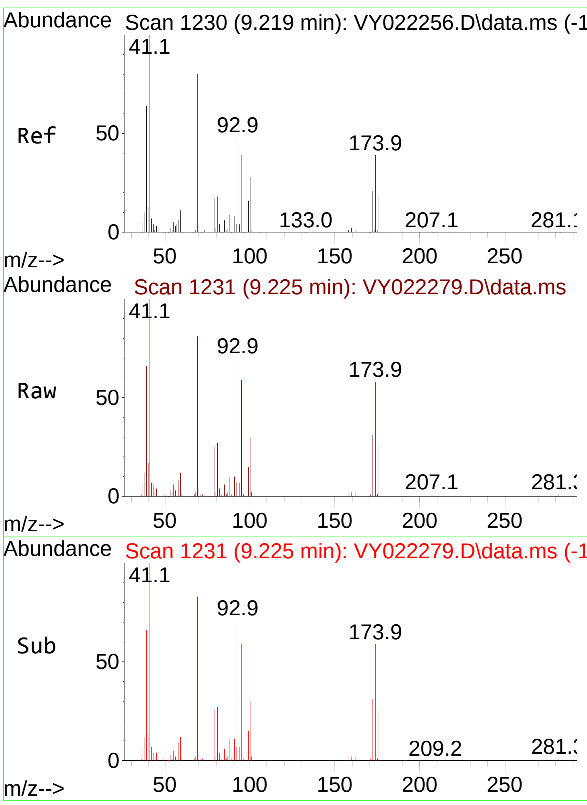


#47
Bromodichloromethane
Concen: 20.153 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 6968

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	8.6	6.6	10.0

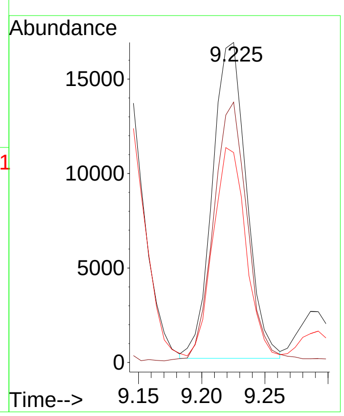


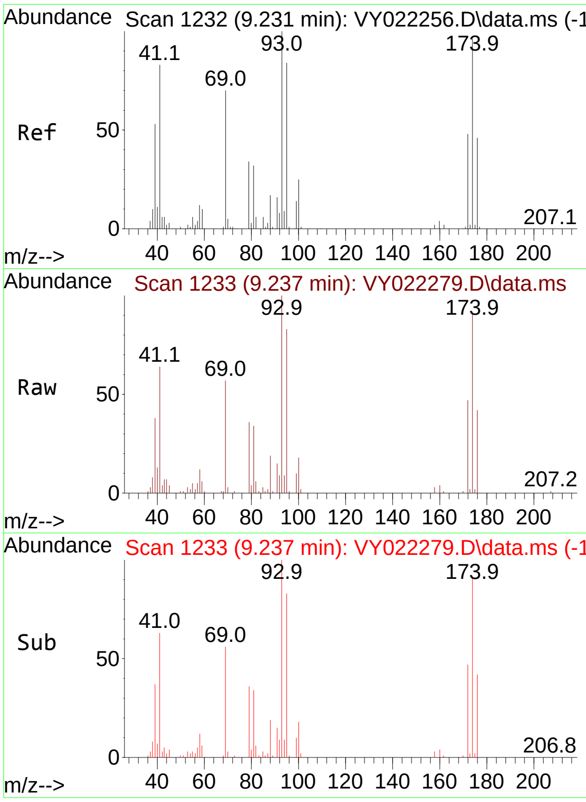


#48
Methyl methacrylate
Concen: 18.429 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 31270

Ion	Ratio	Lower	Upper
41	100		
69	81.4	63.5	95.3
39	63.7	50.8	76.2





#49
1,4-Dioxane
Concen: 361.945 ug/l
RT: 9.237 min   Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 88 Resp: 545

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.5	42.7
58	82.6	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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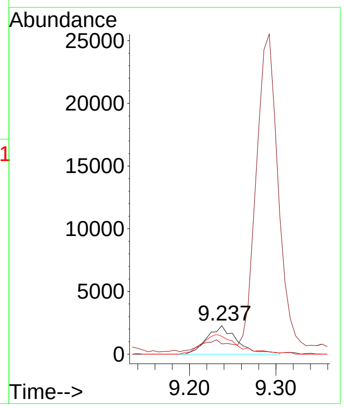
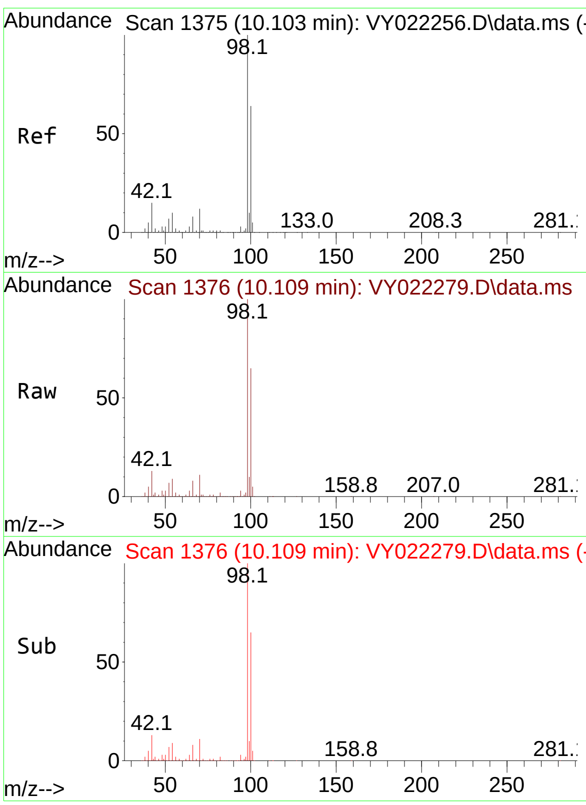
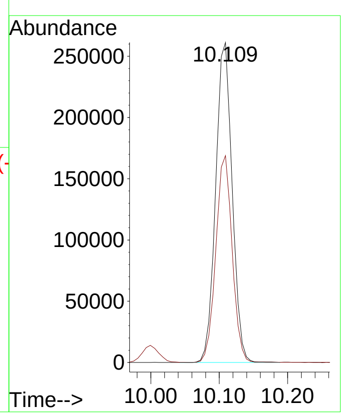




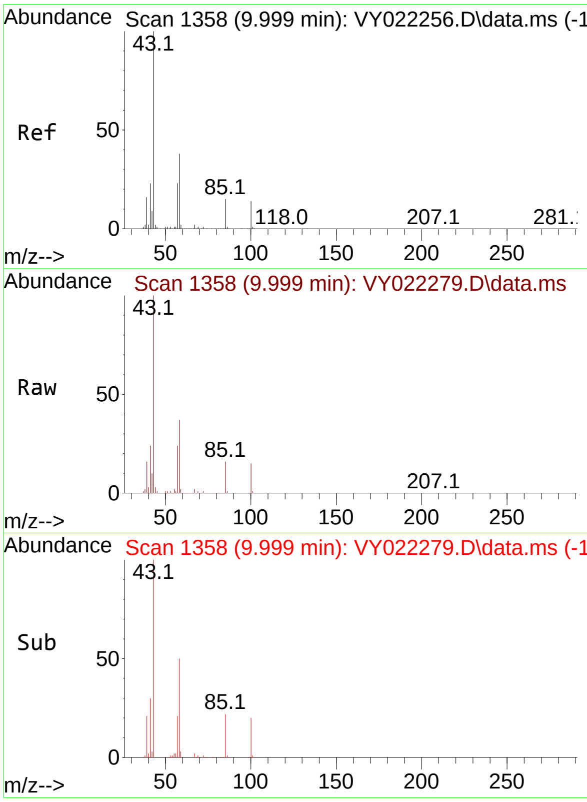
#50
Toluene-d8
Concen: 50.903 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 98 Resp: 437632

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8



Sample Results: **VY022279.D**



#51
4-Methyl-2-Pentanone
Concen: 90.873 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 16177

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.2

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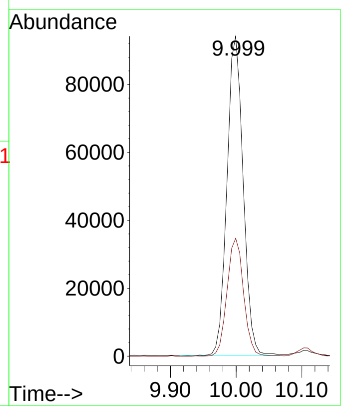
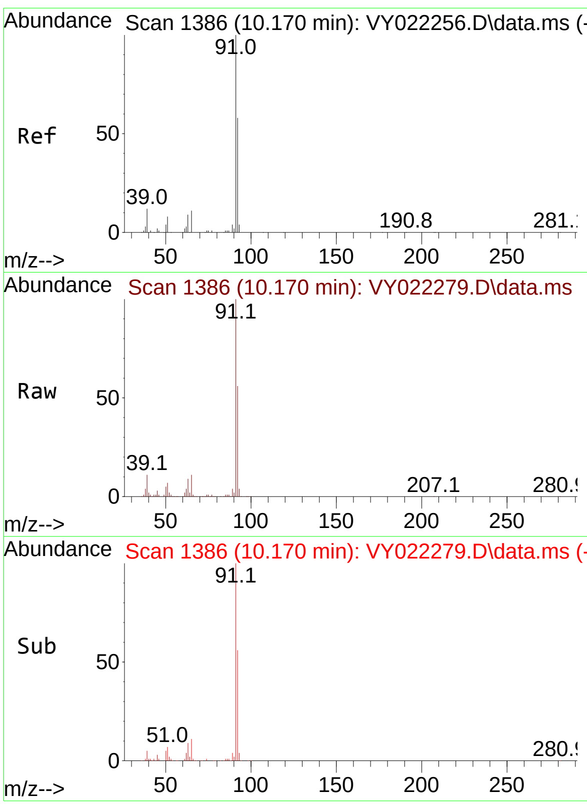
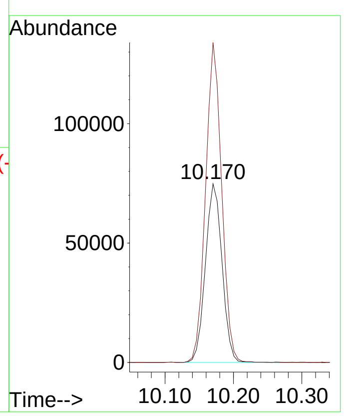




#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 92 Resp: 126577

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7



Instrument :
MSVOA_Y
ClientSampleId :
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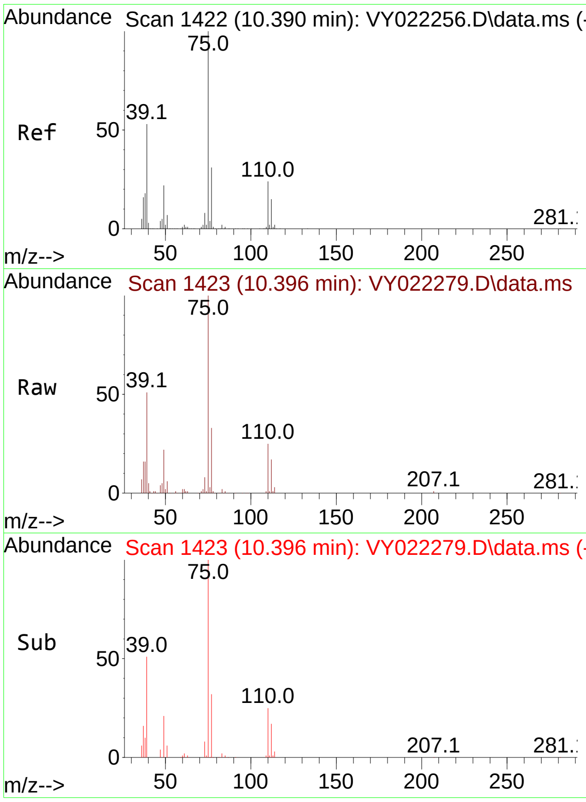
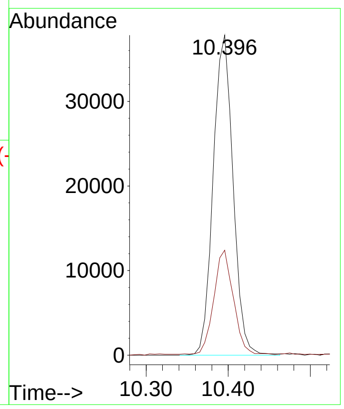
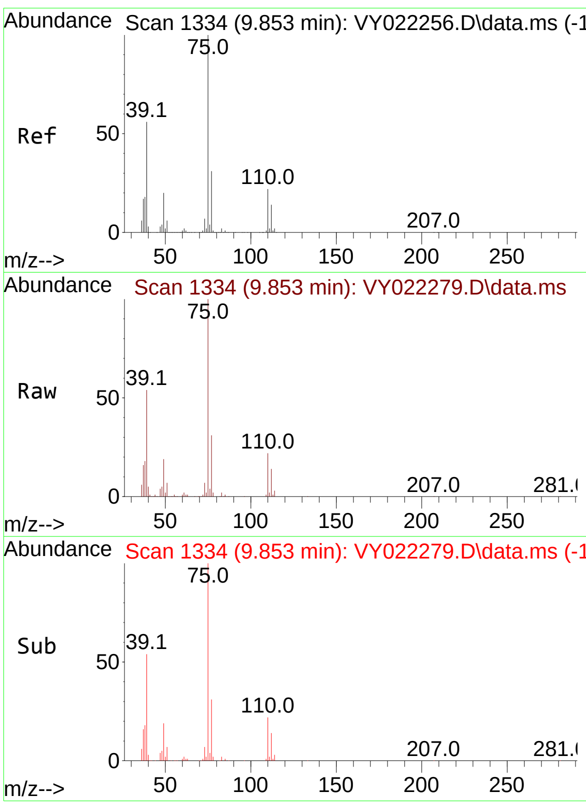


#53
t-1,3-Dichloropropene
Concen: 18.860 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 6364

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.6

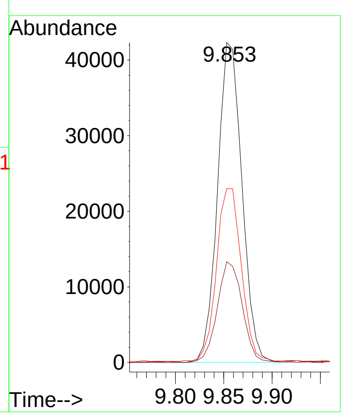




#54
cis-1,3-Dichloropropene
Concen: 19.261 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 74469

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	54.0	44.5	66.7



Instrument :
MSVOA_Y
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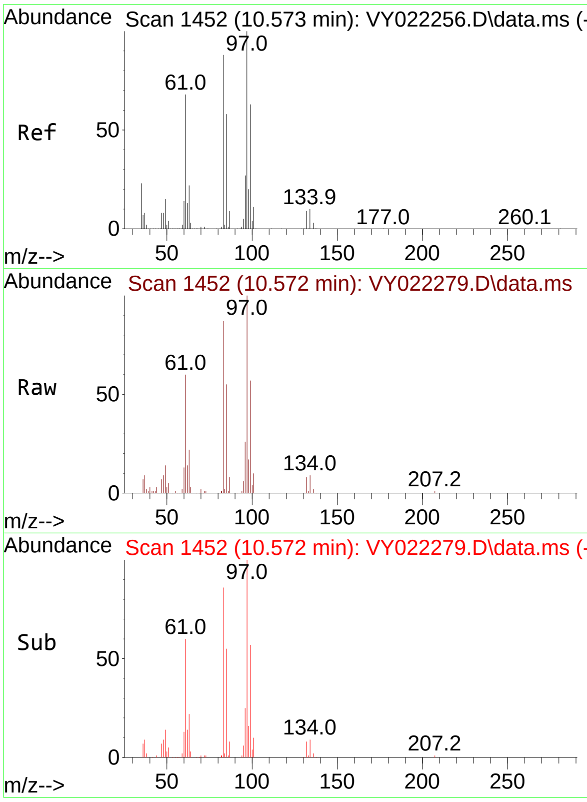
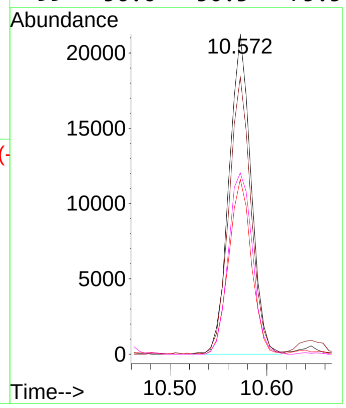
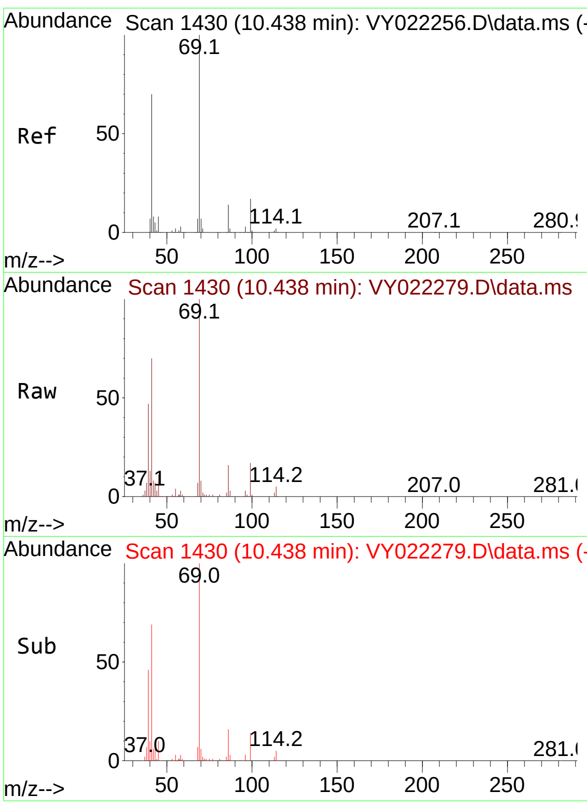


#55
1,1,2-Trichloroethane
Concen: 19.714 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 97 Resp: 3364

Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.3	105.5
85	54.7	46.2	69.4
99	56.6	50.3	75.5

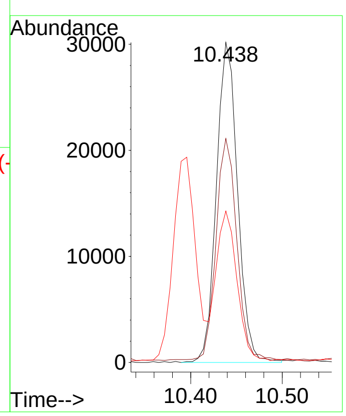




#56
Ethyl methacrylate
Concen: 18.299 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 69 Resp: 48650

Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.5	84.7
39	44.5	37.1	55.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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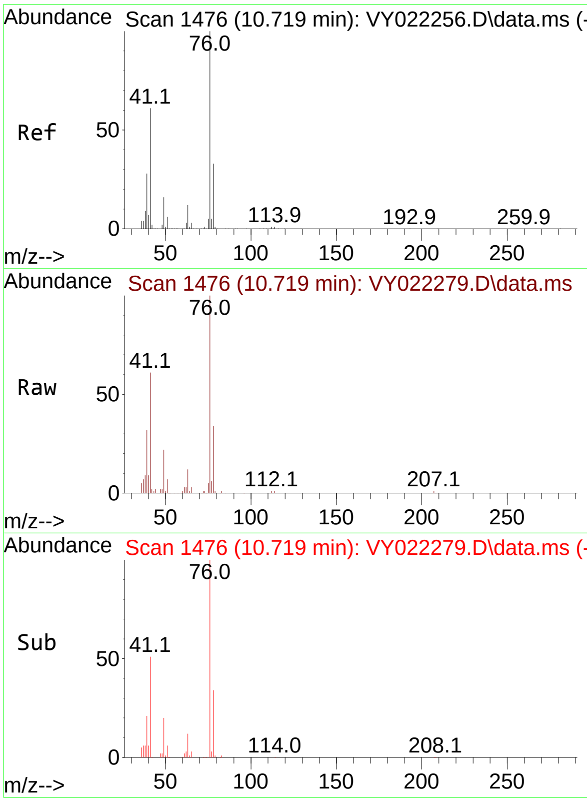
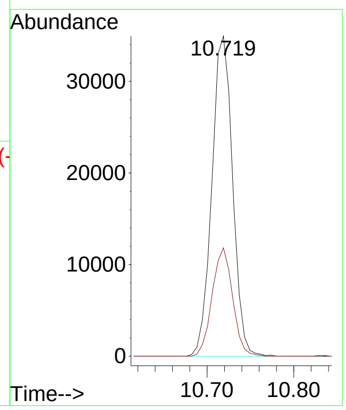
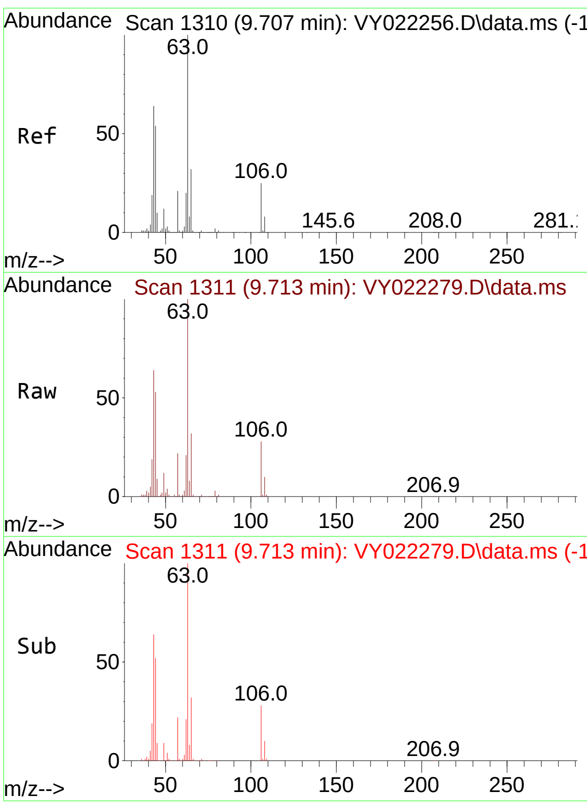
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#57
1,3-Dichloropropane
Concen:   19.185 ug/l
RT:  10.719 min  Scan# 14
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

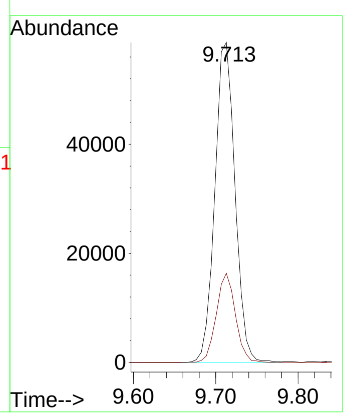
Tgt Ion: 76 Resp:   5817
Ion  Ratio  Lower  Upper
 76  100
 78   33.2   25.8   38.8
```

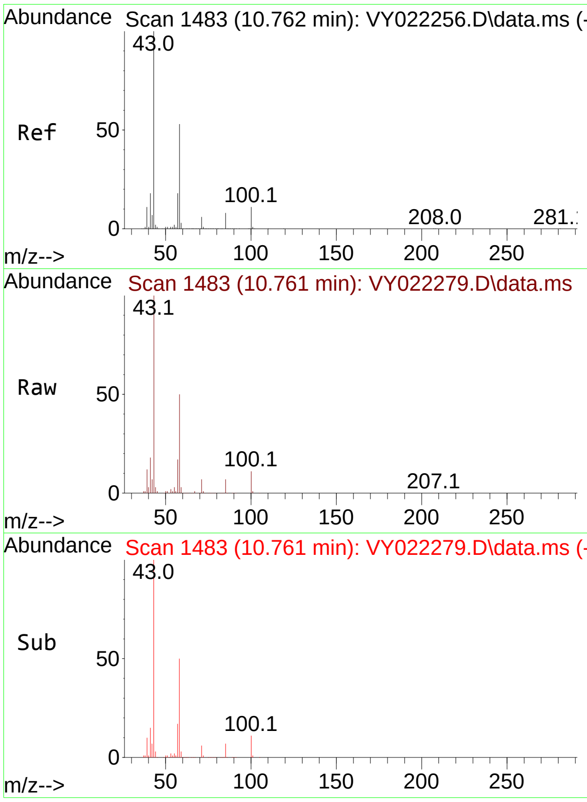





```
#58
2-Chloroethyl Vinyl ether
Concen:   83.786 ug/l
RT:   9.713 min  Scan# 1311
Delta R.T.  0.006 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

Tgt Ion: 63 Resp:   99985
Ion  Ratio  Lower  Upper
 63  100
106   26.4   21.0   31.4
```





#59
2-Hexanone
Concen: 89.217 ug/l
RT: 10.761 min   Scan# 14
Delta R.T.   -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025   10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 106491

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.3

Manual Integrations
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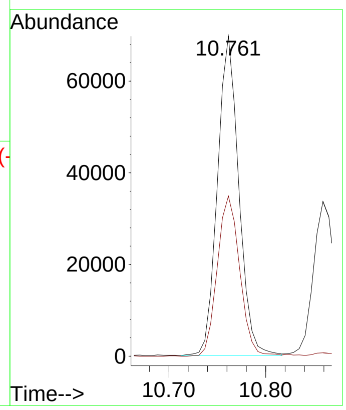
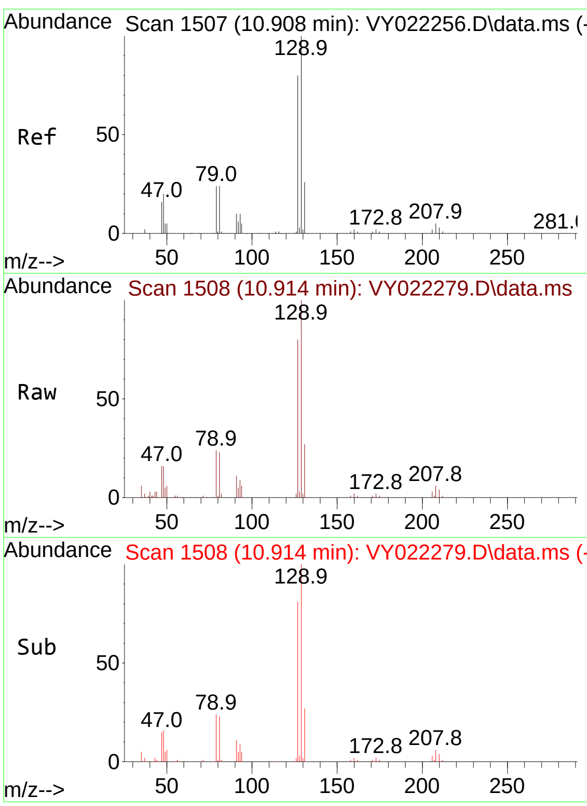
Reviewed By :Mahesh Dadoda   05/19/2025
Supervised By :Semsettin Yesilyurt   05/19/2025

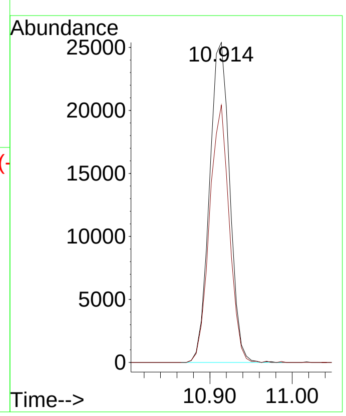


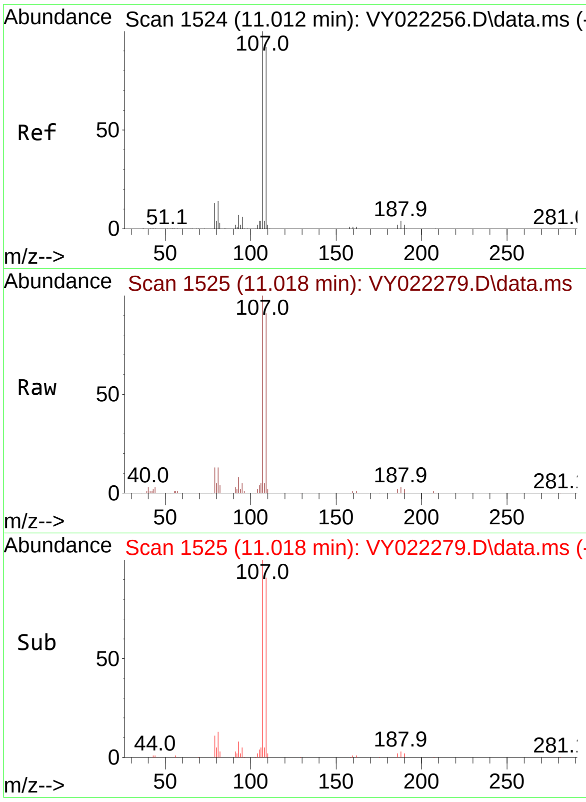


#60
Dibromochloromethane
Concen: 19.586 ug/l
RT: 10.914 min   Scan# 1508
Delta R.T.   0.006 min
Lab File: VY022279.D
Acq: 16 May 2025   10:09

Tgt Ion:129 Resp: 43390

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7





#61
1,2-Dibromoethane
Concen: 19.811 ug/l
RT: 11.018 min Scan# 1!
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:107 Resp: 3151!

Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.6	111.8

Manual Integrations
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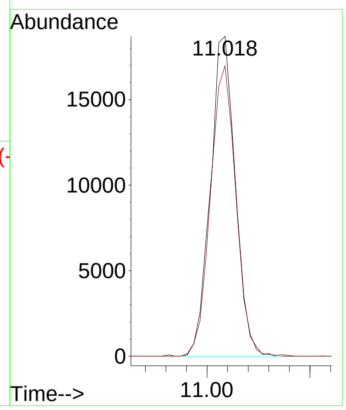
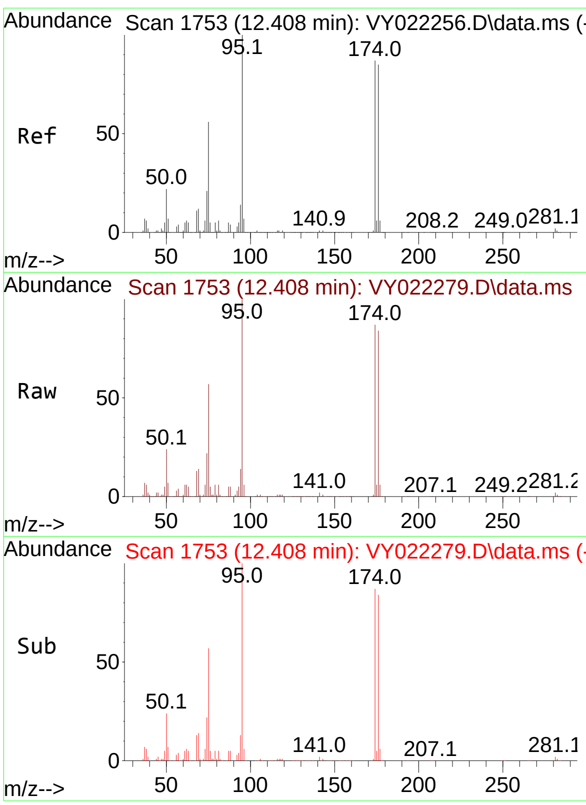
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

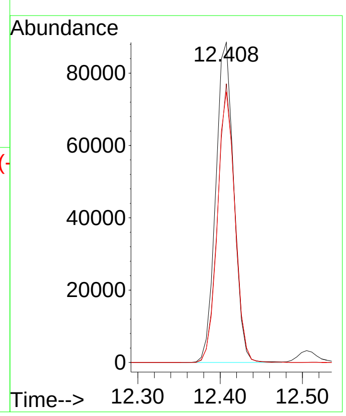




#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 95 Resp: 134691

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	82.1	0.0	160.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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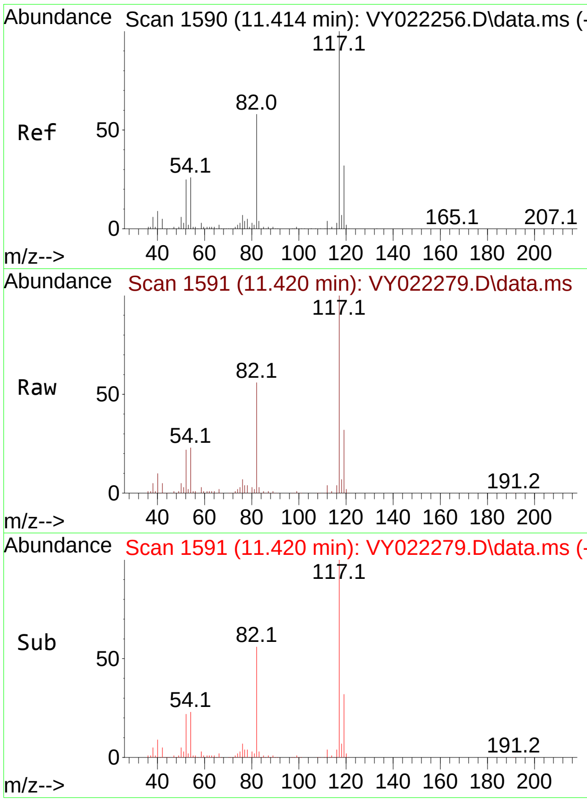
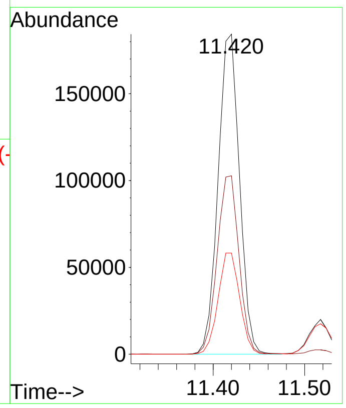
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

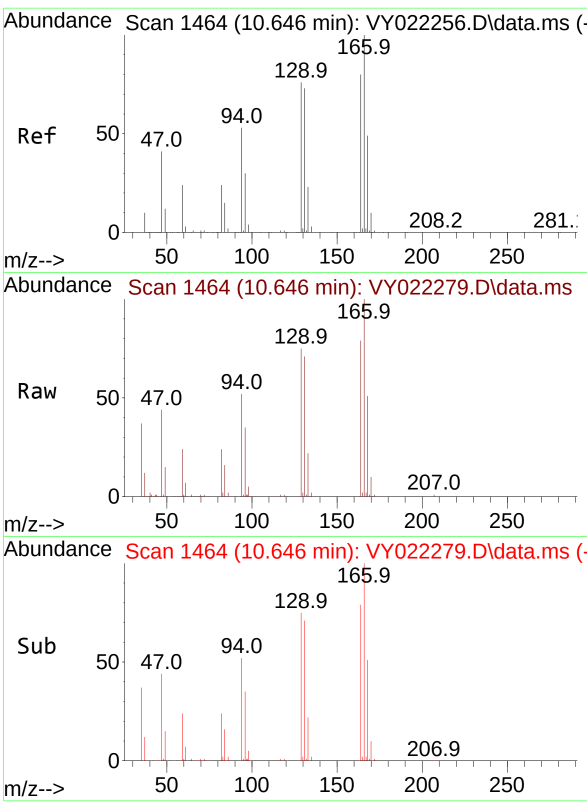


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 30012

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	31.6	25.8	38.6

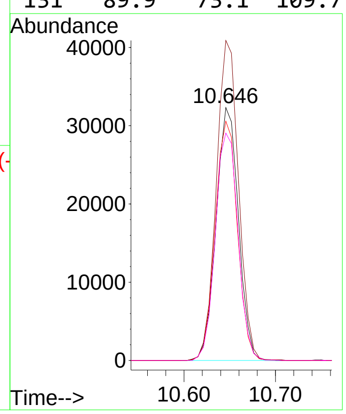


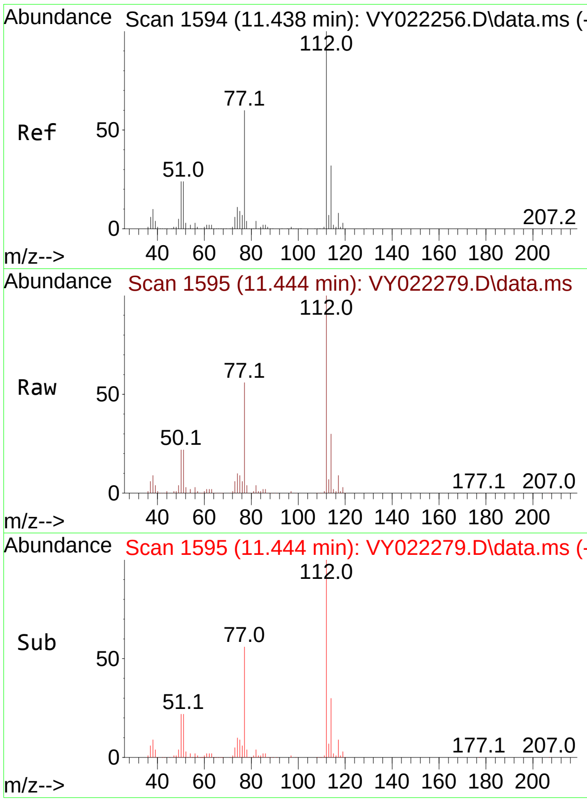


#64
Tetrachloroethene
Concen: 19.759 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:164 Resp: 54813

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.4	150.6
129	94.6	76.4	114.6
131	89.9	73.1	109.7





#65
Chlorobenzene
Concen: 19.679 ug/l
RT: 11.444 min Scan# 1!
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

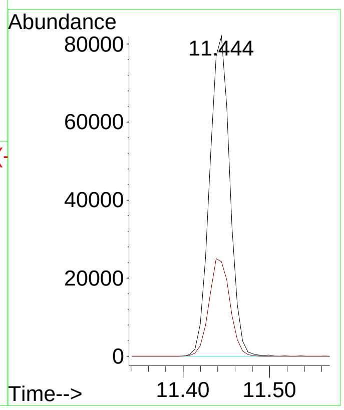
Tgt Ion:112 Resp: 133251

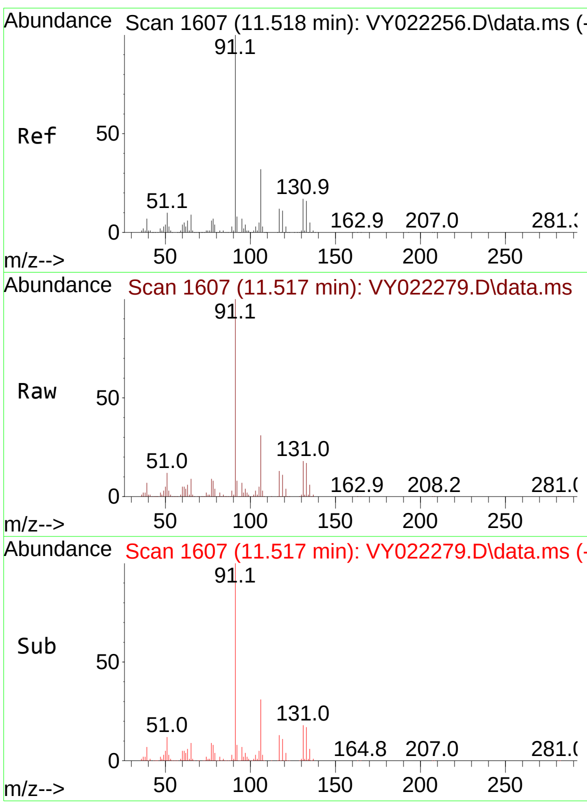
Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

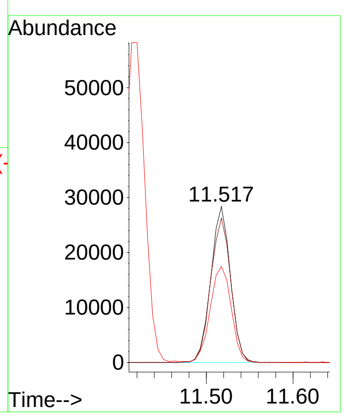


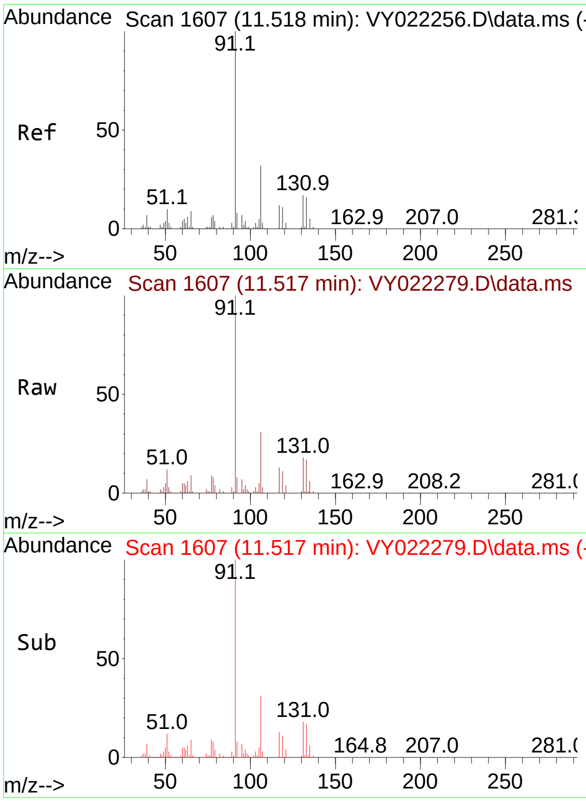


#66
1,1,1,2-Tetrachloroethane
Concen: 19.140 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:131 Resp: 44554

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.3	33.1	99.2





#67
Ethyl Benzene
Concen: 19.027 ug/l
RT: 11.517 min   Scan# 1(
Delta R.T.   -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025   10:09

Tgt Ion: 91 Resp: 24128

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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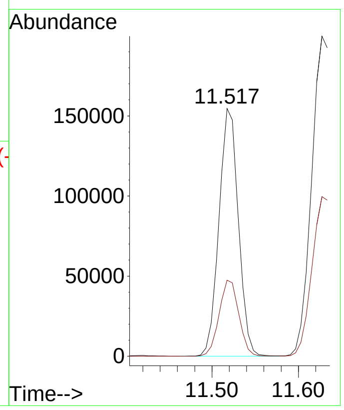
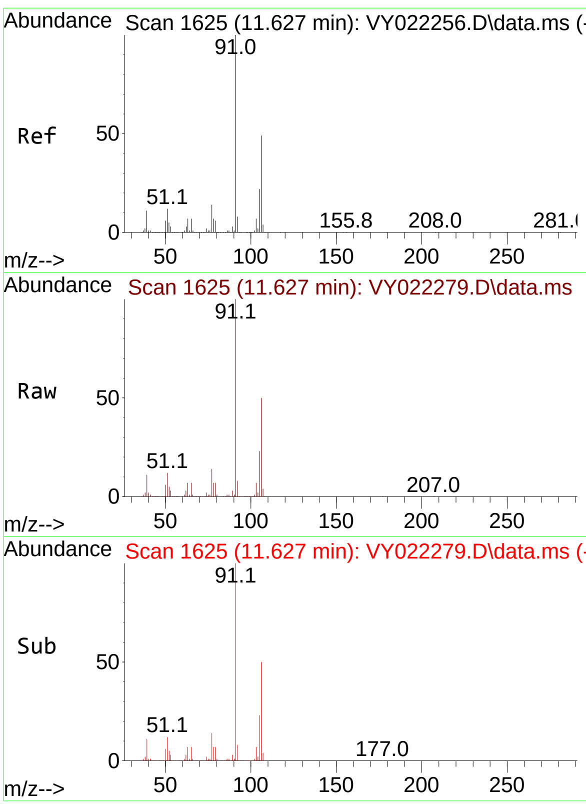
Reviewed By :Mahesh Dadoda   05/19/2025
Supervised By :Semsettin Yesilyurt   05/19/2025

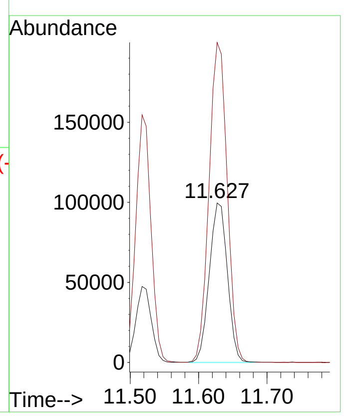




#68
m/p-Xylenes
Concen: 38.444 ug/l
RT: 11.627 min   Scan# 1625
Delta R.T.   -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025   10:09

Tgt Ion:106 Resp: 183701

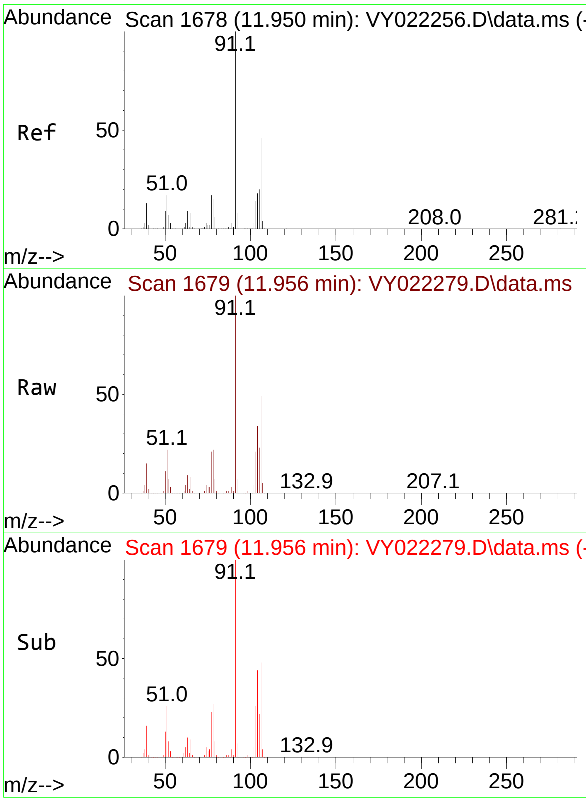
Ion	Ratio	Lower	Upper
106	100		
91	200.7	163.0	244.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

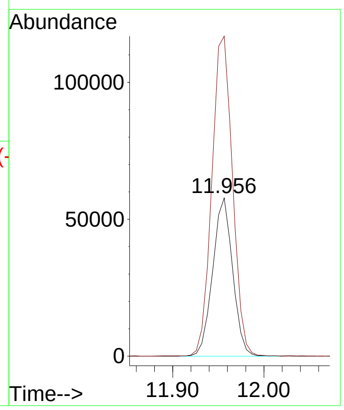
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

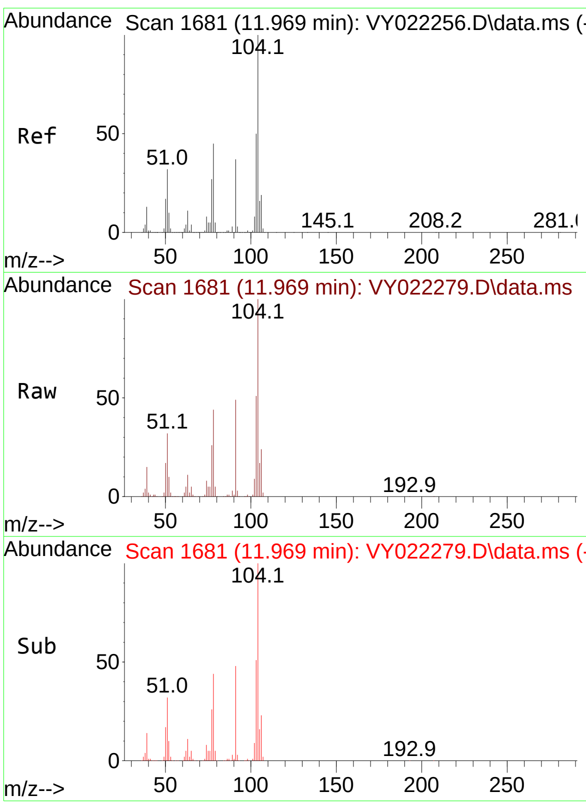


#69
o-Xylene
Concen: 19.379 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:106 Resp: 8761(

Ion	Ratio	Lower	Upper
106	100		
91	209.7	108.3	324.8

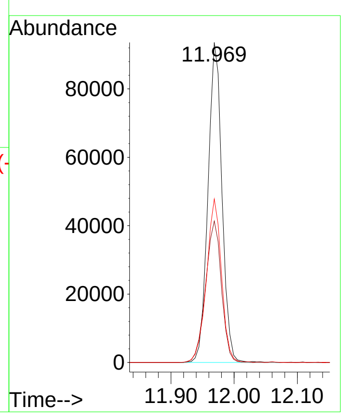




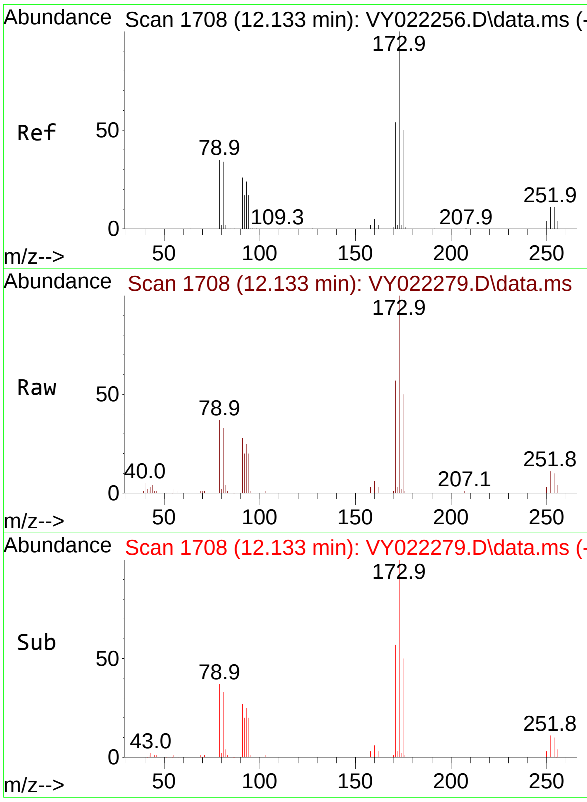
#70
Styrene
Concen: 18.942 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:104 Resp: 144454

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.9	61.3
103	54.8	43.7	65.5



Sample Results: **VY022279.D**



#71
Bromoform
Concen: 18.414 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

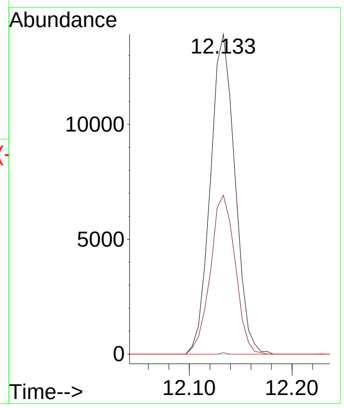
Tgt Ion:173 Resp: 2313

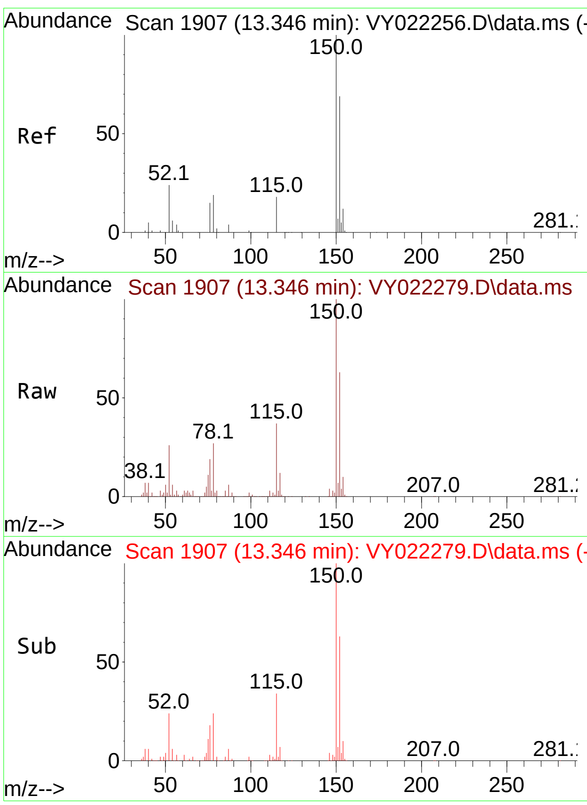
Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.1	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

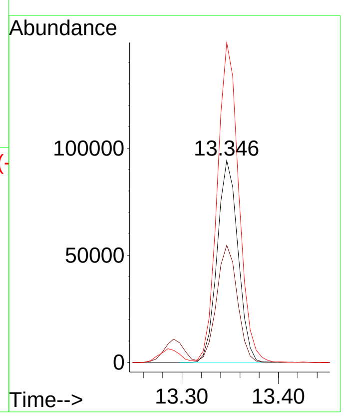


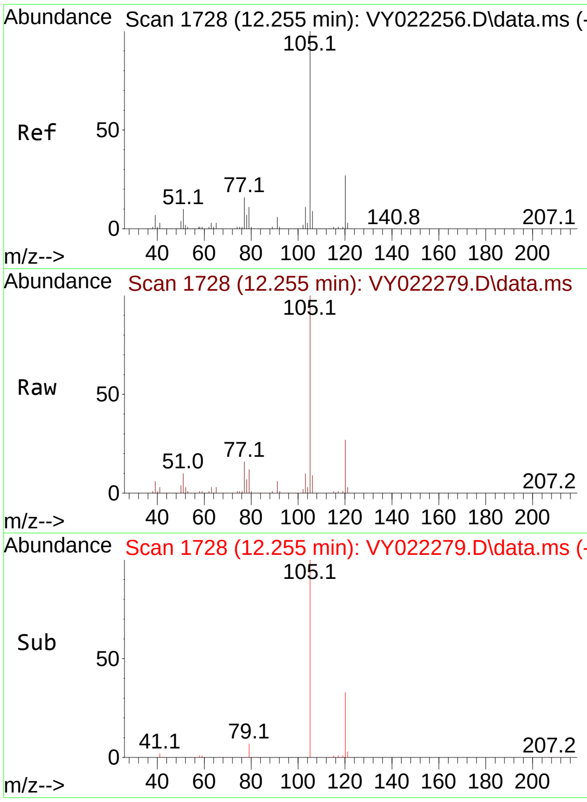


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:152 Resp: 141210

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	162.9	0.0	353.8





#73
Isopropylbenzene
Concen: 19.344 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 22629

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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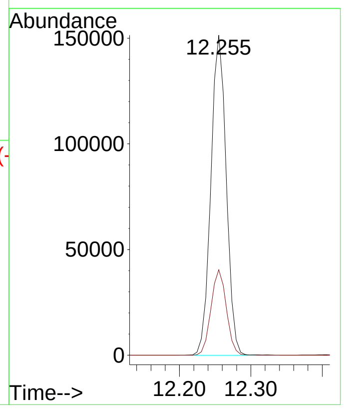
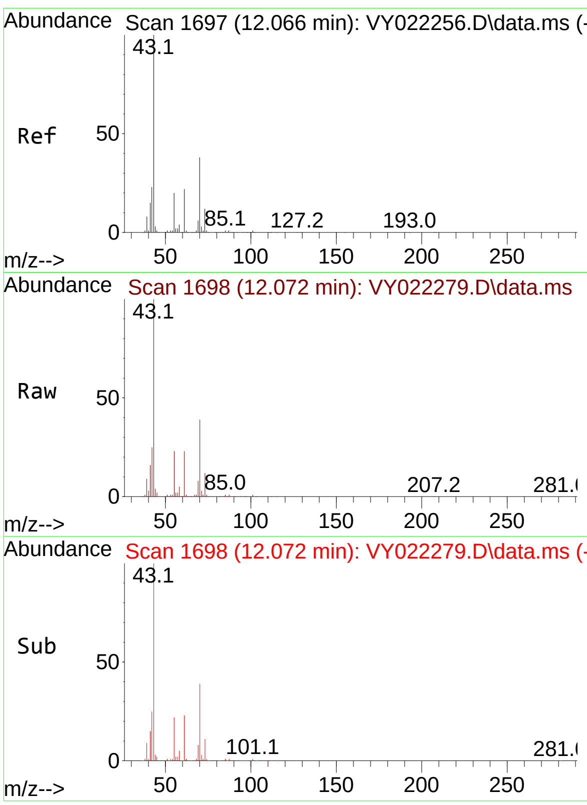
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

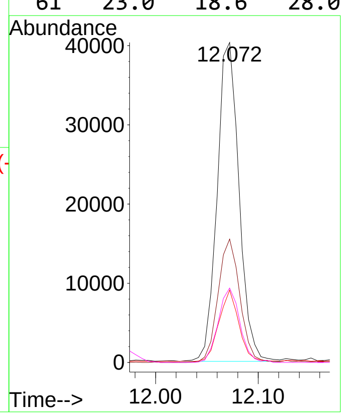


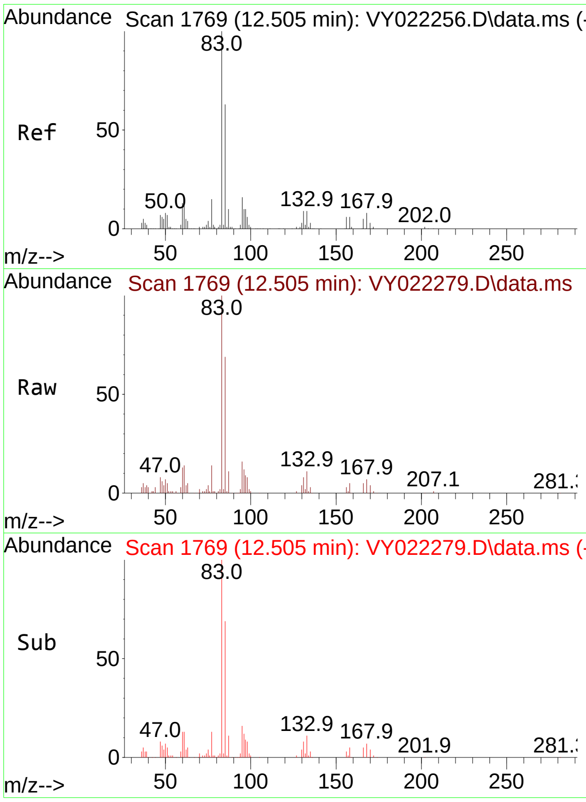


#74
N-amyl acetate
Concen: 17.844 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.4	47.0
55	20.6	17.0	25.6
61	23.0	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 19.065 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 83 Resp: 3430

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.5	32.0	96.0

Manual Integrations
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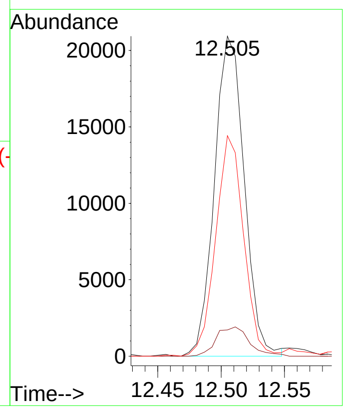
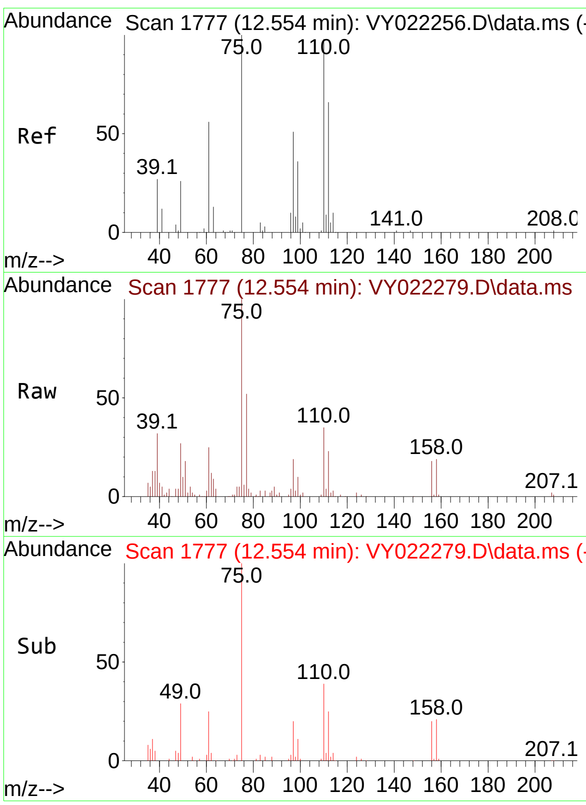
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

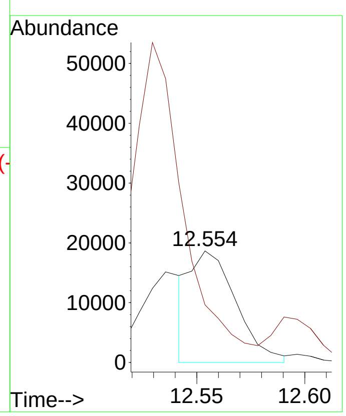




#76
1,2,3-Trichloropropane
Concen: 19.338 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 27665

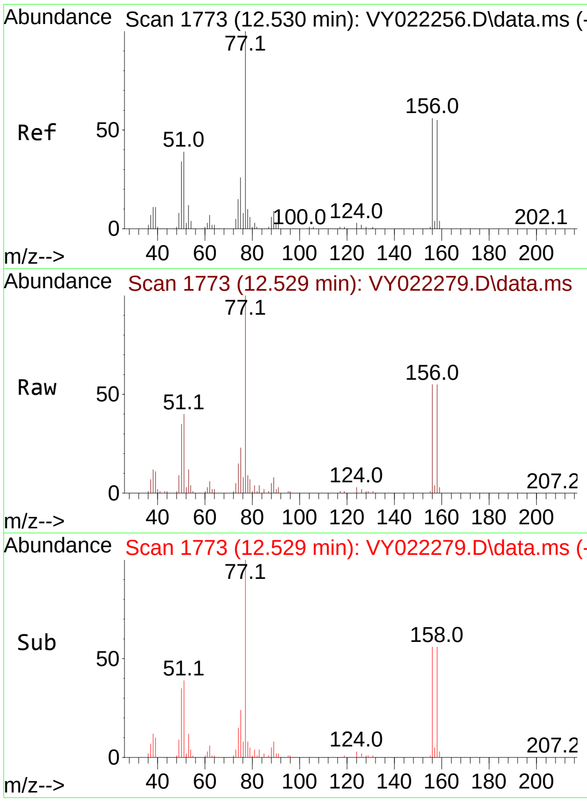
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Sample Results: **VY022279.D**

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

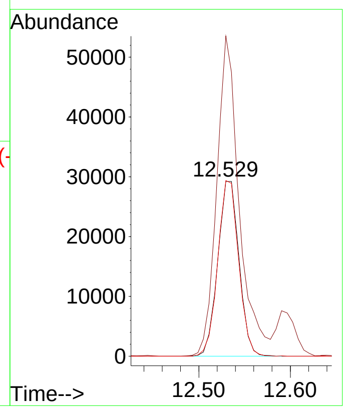
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

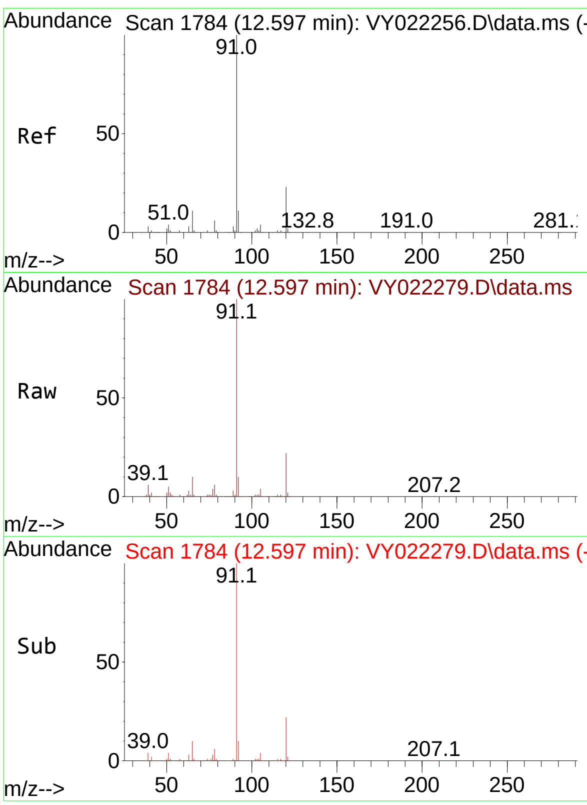


#77
Bromobenzene
Concen: 18.904 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:156 Resp: 4723

Ion	Ratio	Lower	Upper
156	100		
77	193.6	94.5	283.6
158	98.6	48.4	145.3

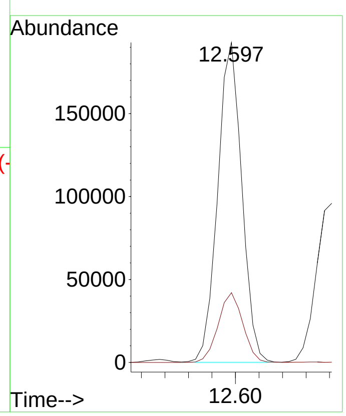


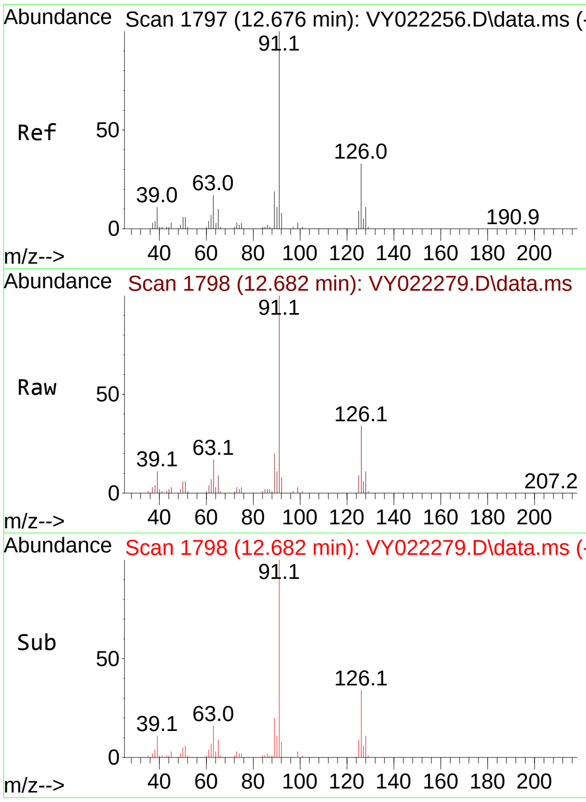


#78
n-propylbenzene
Concen: 19.430 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 274165

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.3





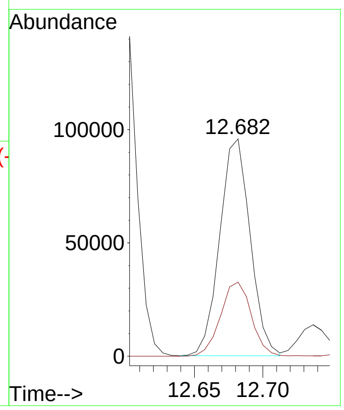

```
#79
2-Chlorotoluene
Concen:   19.125 ug/l
RT:  12.682 min  Scan# 1
Delta R.T.  0.006 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

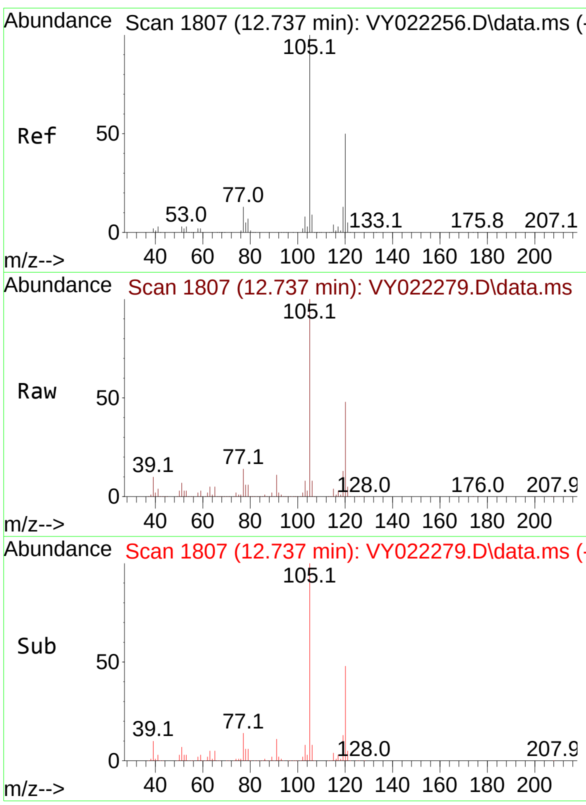
Tgt Ion: 91 Resp:  14830
Ion  Ratio  Lower  Upper
 91  100
126   34.6   16.8   50.4
```

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

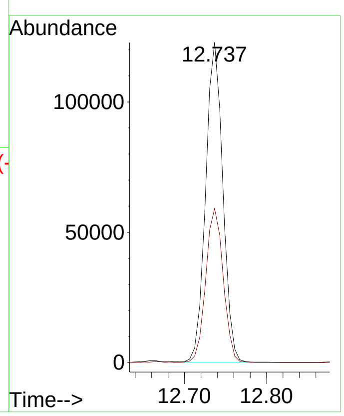
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

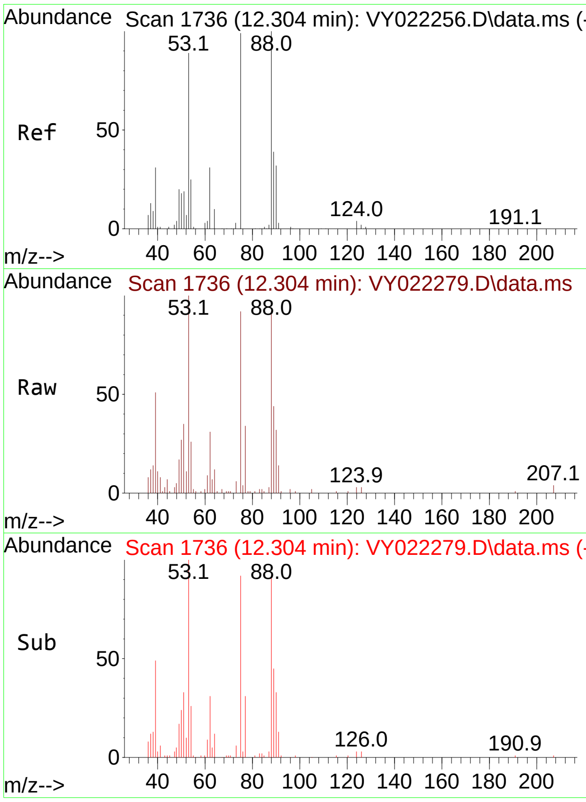





```
#80
1,3,5-Trimethylbenzene
Concen:   18.943 ug/l
RT:  12.737 min  Scan# 1807
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

Tgt Ion:105 Resp:  178884
Ion  Ratio  Lower  Upper
105  100
120   48.9   24.2   72.6
```





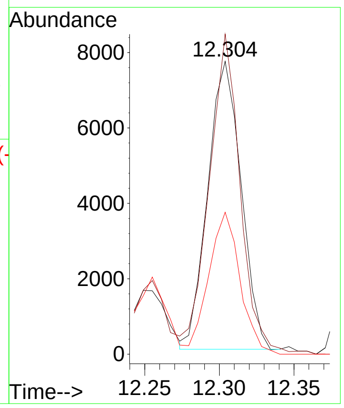
#81
trans-1,4-Dichloro-2-butene
Concen: 16.775 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

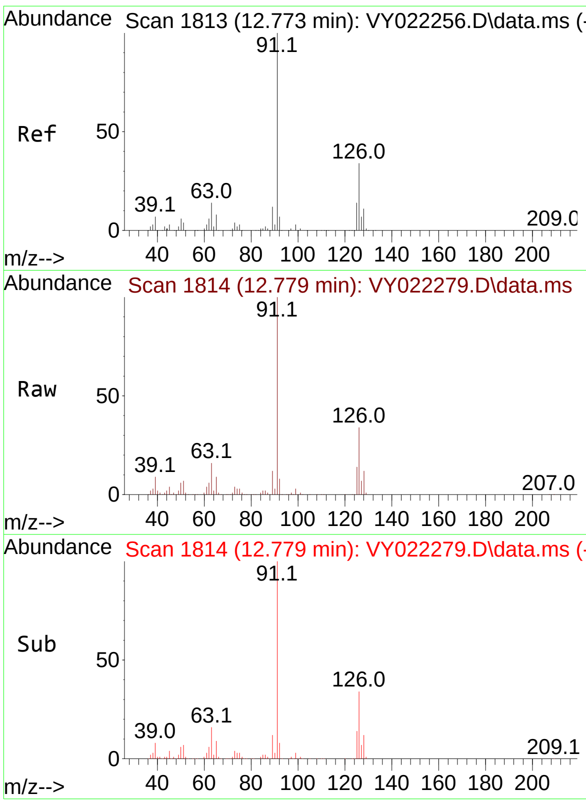
Tgt Ion: 75 Resp: 1184

Ion	Ratio	Lower	Upper
75	100		
53	104.1	75.8	113.8
89	46.1	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

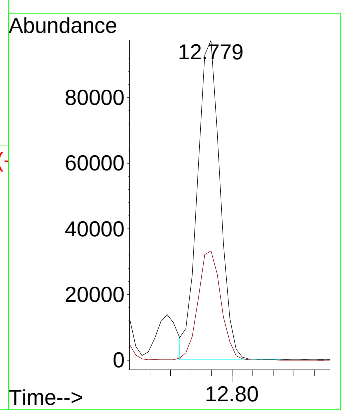




#82
4-Chlorotoluene
Concen: 18.660 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 148832

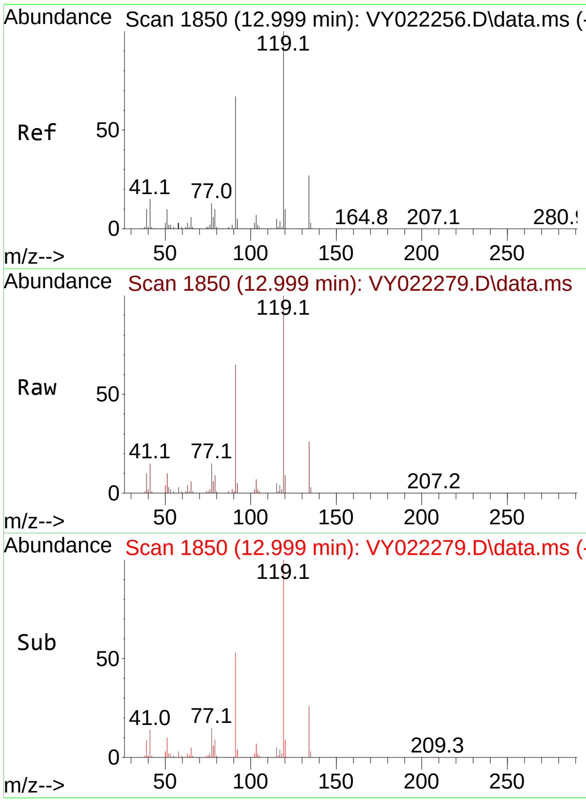
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

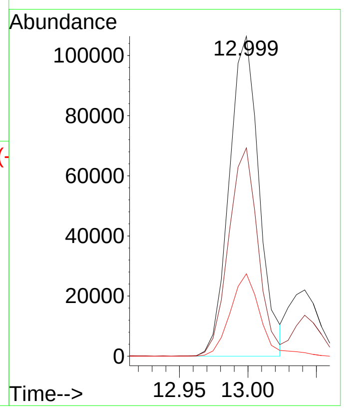
Manual Integrations
APPROVED

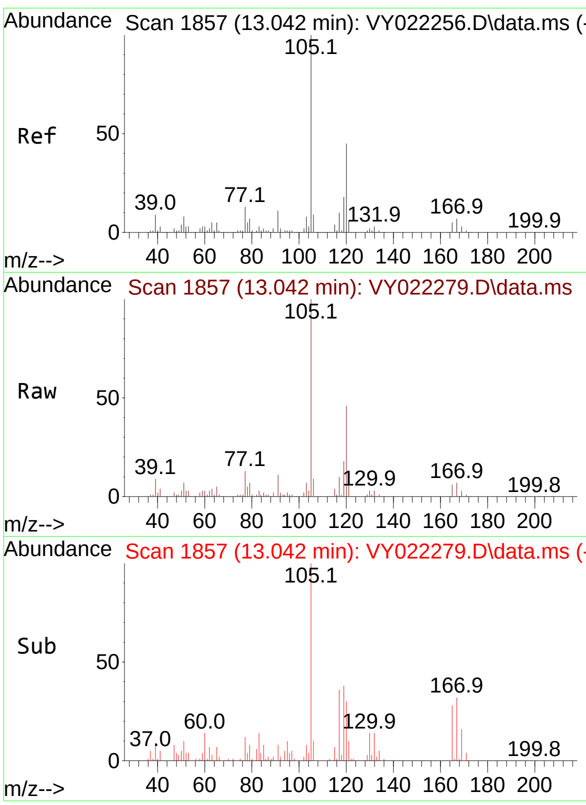
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#83
tert-Butylbenzene
Concen:   19.292 ug/l
RT:  12.999 min  Scan# 18
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

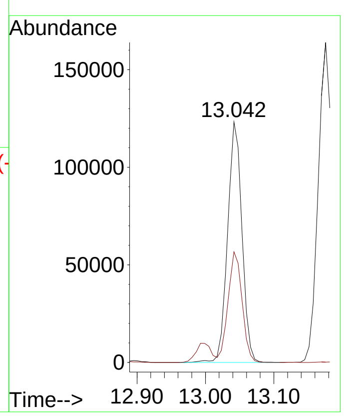
Tgt Ion:119 Resp:  16192
Ion  Ratio  Lower  Upper
119  100
 91   63.9   32.8   98.3
134   26.0   12.9   38.6
```






```
#84
1,2,4-Trimethylbenzene
Concen:   19.163 ug/l
RT:  13.042 min  Scan# 1857
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

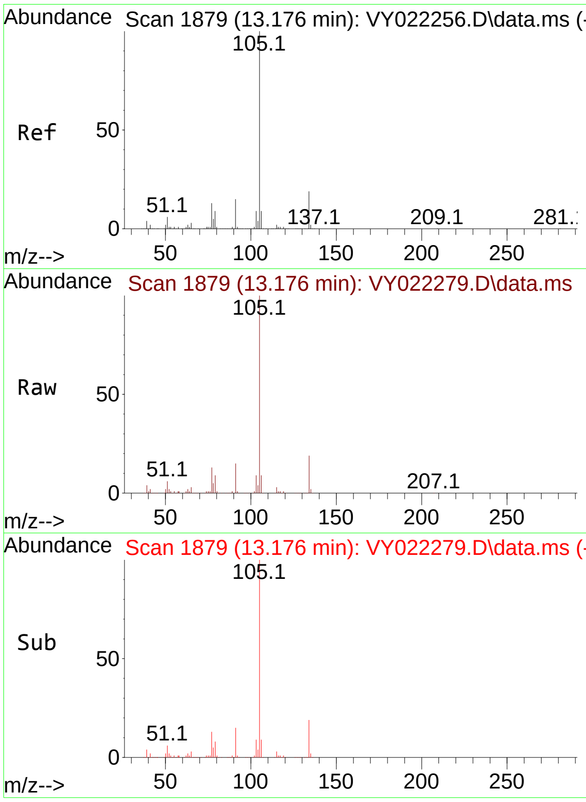
Tgt Ion:105 Resp:  179642
Ion  Ratio  Lower  Upper
105  100
120   45.0   22.3   66.9
```



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

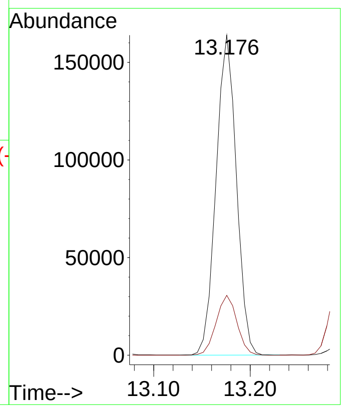
Manual Integrations
APPROVED

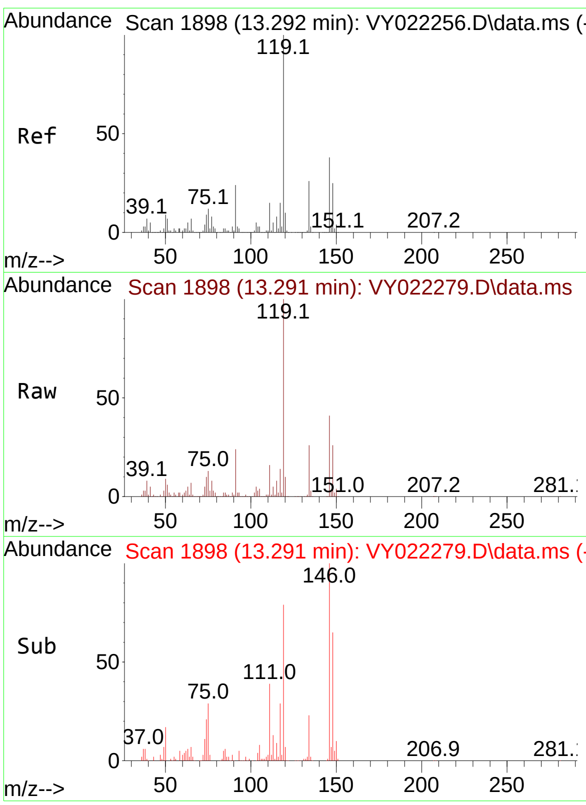
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#85
sec-Butylbenzene
Concen:   19.219 ug/l
RT:  13.176 min  Scan# 1
Delta R.T.   -0.000 min
Lab File:    VY022279.D
Acq: 16 May 2025  10:09

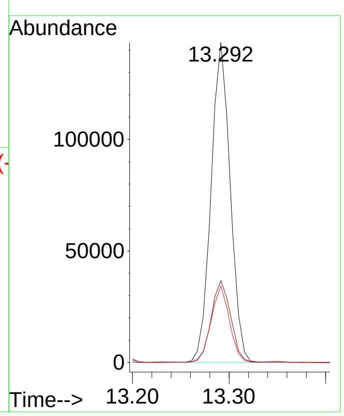
Tgt Ion:105 Resp:  23946
Ion  Ratio  Lower  Upper
105  100
134   19.1    9.8   29.5
```



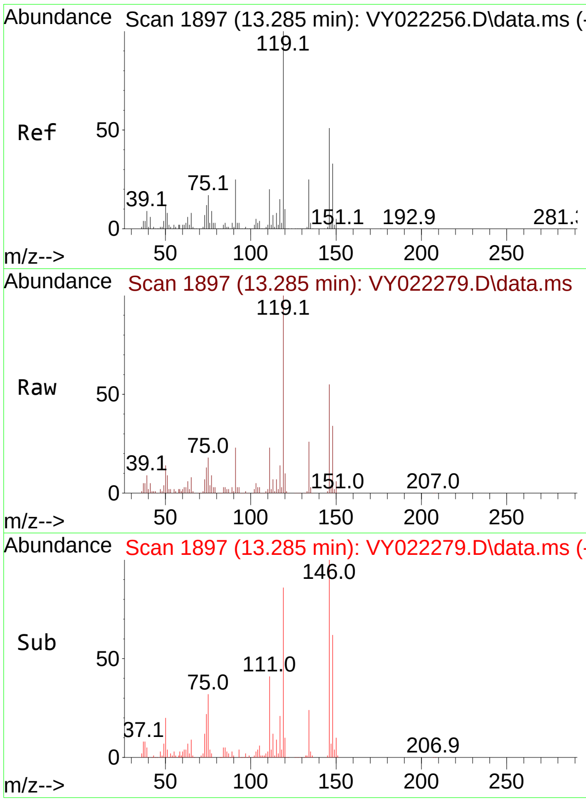



```
#86
p-Isopropyltoluene
Concen:   18.872 ug/l
RT:  13.291 min  Scan# 1898
Delta R.T.   -0.000 min
Lab File:    VY022279.D
Acq: 16 May 2025  10:09

Tgt Ion:119 Resp:  197757
Ion  Ratio  Lower  Upper
119  100
134   26.0   12.9   38.6
 91   22.8   12.1   36.3
```



Sample Results: **VY022279.D**



#87
1,3-Dichlorobenzene
Concen: 18.416 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

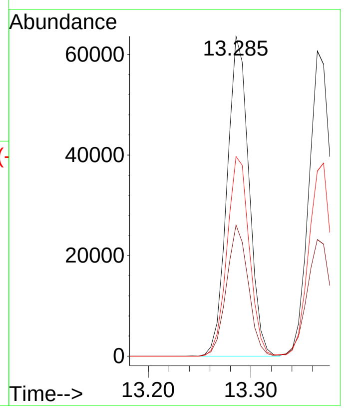
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

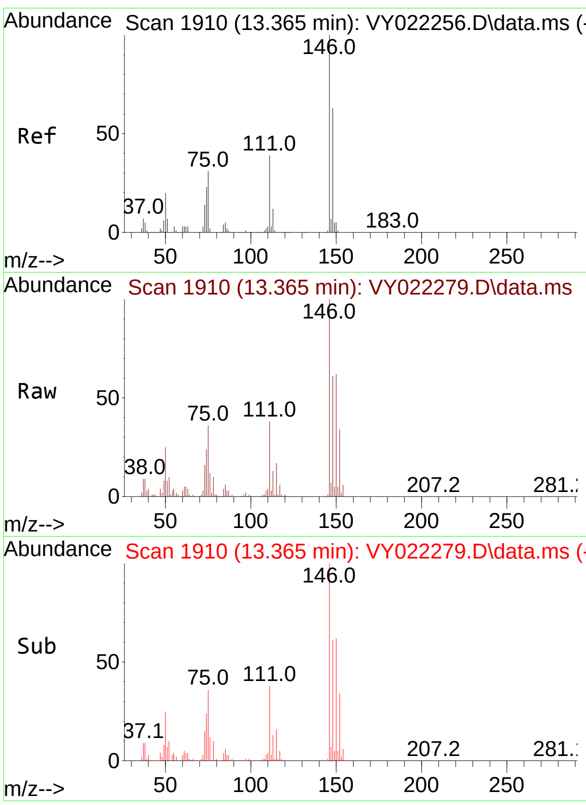
Tgt Ion:146 Resp: 9393

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	63.5	31.9	95.7

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

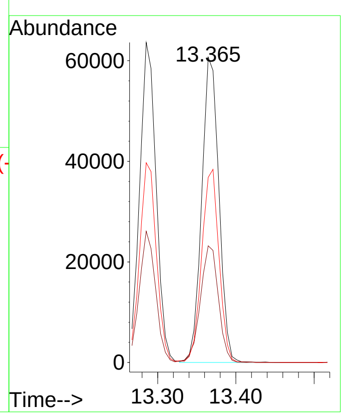




#88
1,4-Dichlorobenzene
Concen: 18.902 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:146 Resp: 92740

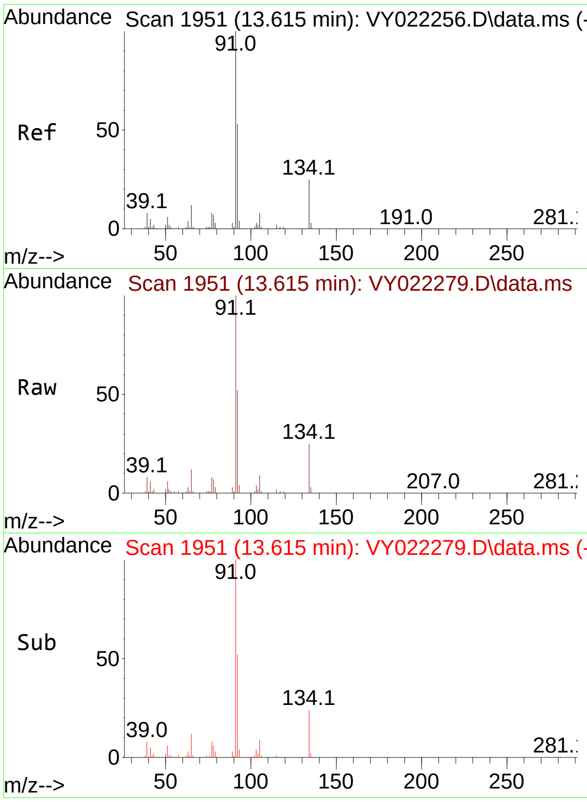
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	63.5	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

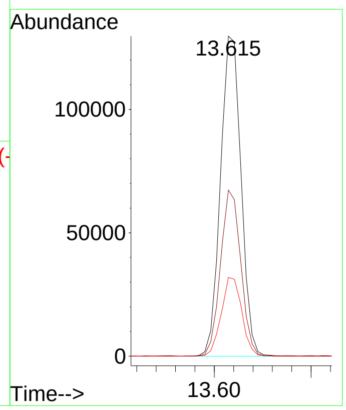
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

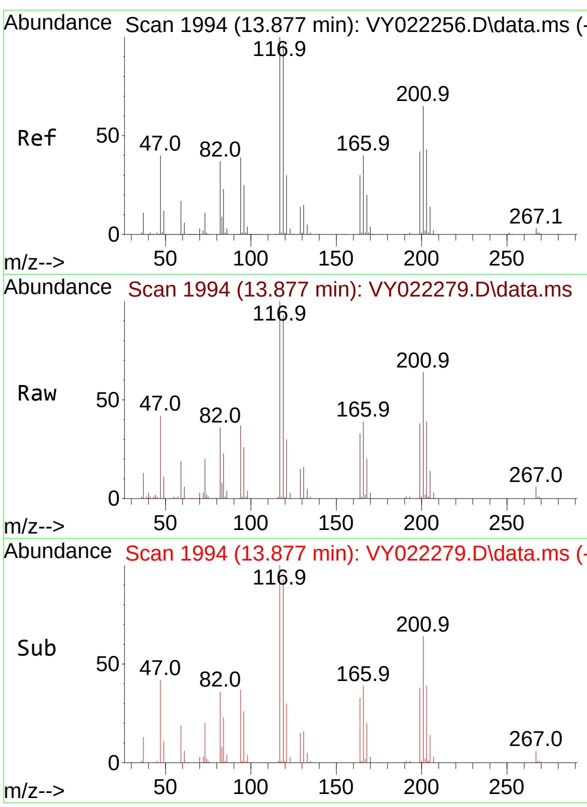


#89
n-Butylbenzene
Concen: 19.299 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 191322

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.9
134	24.5	12.4	37.4

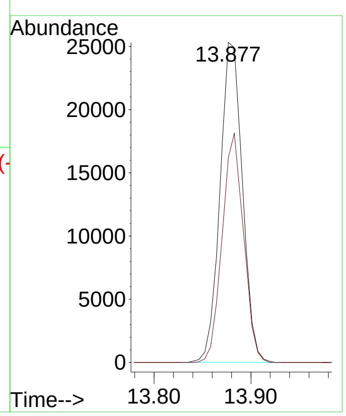




#90
Hexachloroethane
Concen: 19.255 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 40730

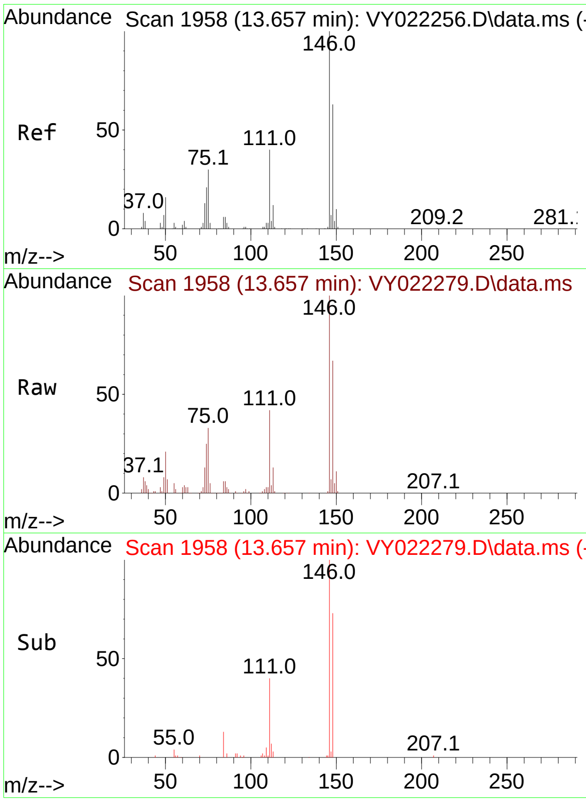
Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

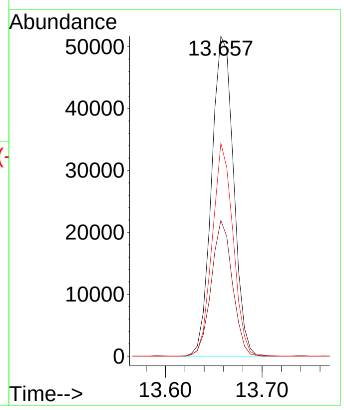
Manual Integrations
APPROVED

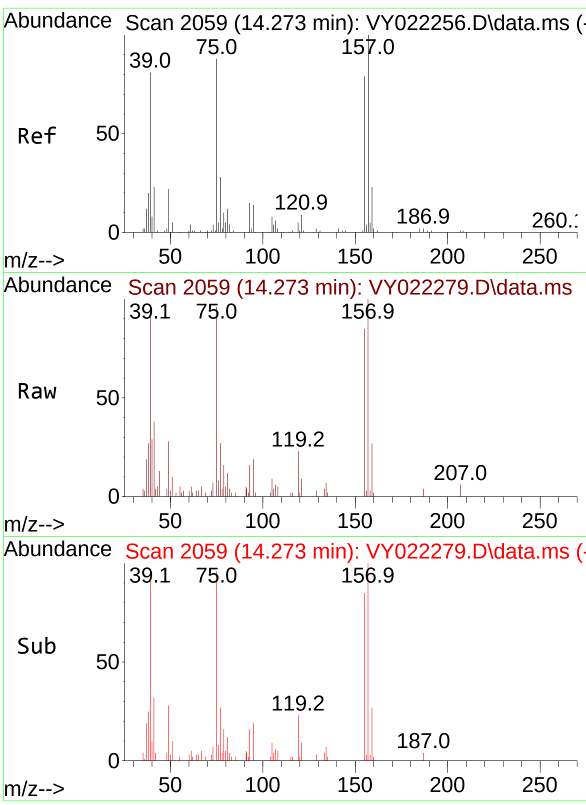
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025




```
#91
1,2-Dichlorobenzene
Concen:   19.073 ug/l
RT:  13.657 min  Scan# 1
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

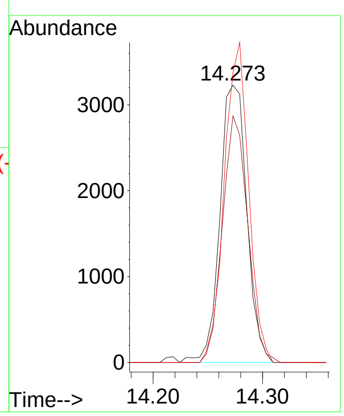
Tgt Ion:146 Resp:   8171
Ion  Ratio  Lower  Upper
146  100
111   40.7   20.5   61.5
148   63.1   32.0   96.0
```

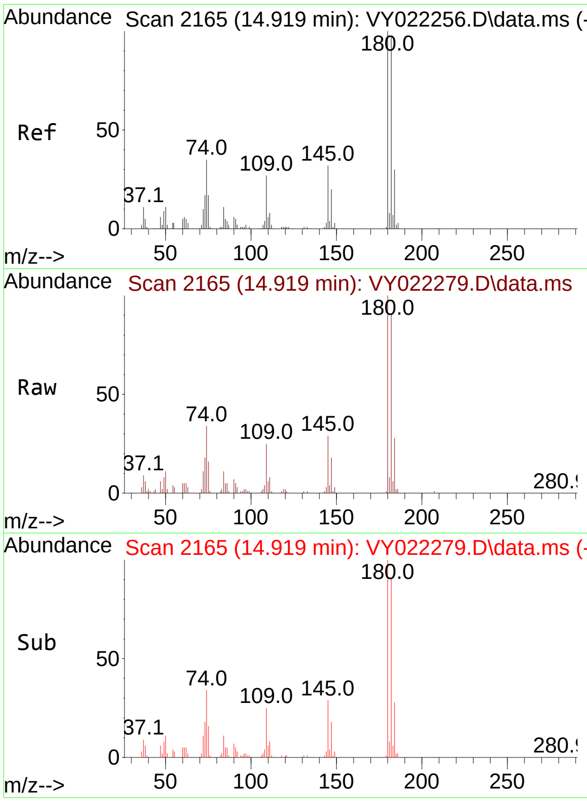





```
#92
1,2-Dibromo-3-Chloropropane
Concen:   18.982 ug/l
RT:  14.273 min  Scan# 2059
Delta R.T.  -0.000 min
Lab File:   VY022279.D
Acq: 16 May 2025  10:09

Tgt Ion: 75 Resp:    5507
Ion  Ratio  Lower  Upper
 75  100
155   83.7   43.4  130.1
157  104.7   54.6  163.9
```





#93
1,2,4-Trichlorobenzene
Concen: 19.345 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

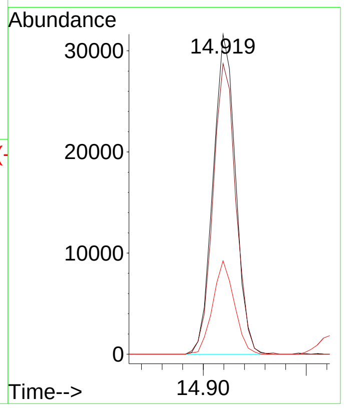
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

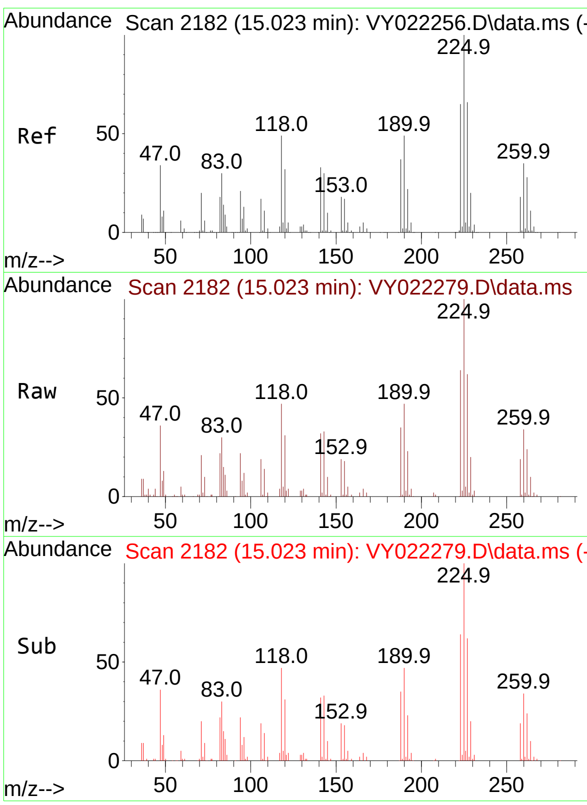
Tgt Ion:180 Resp: 4787

Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.0	144.0
145	28.0	15.0	45.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

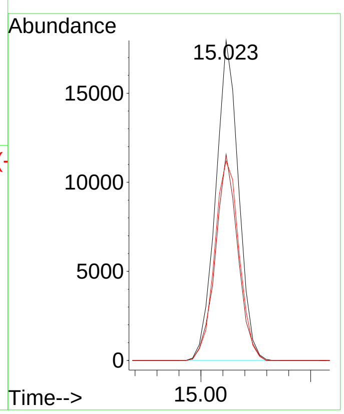




#94
Hexachlorobutadiene
Concen: 18.897 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:225 Resp: 26080

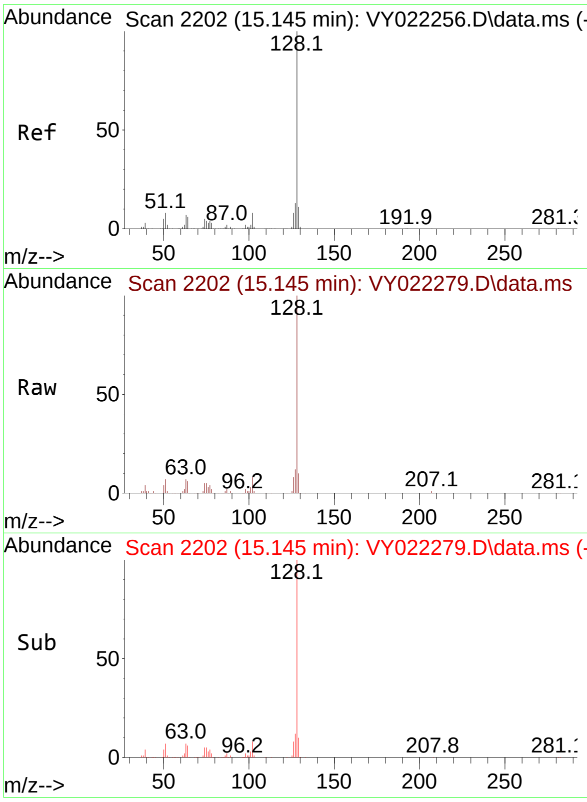
Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	67.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

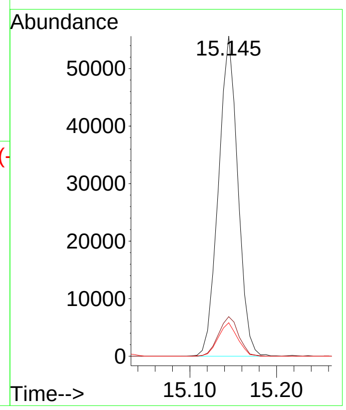
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

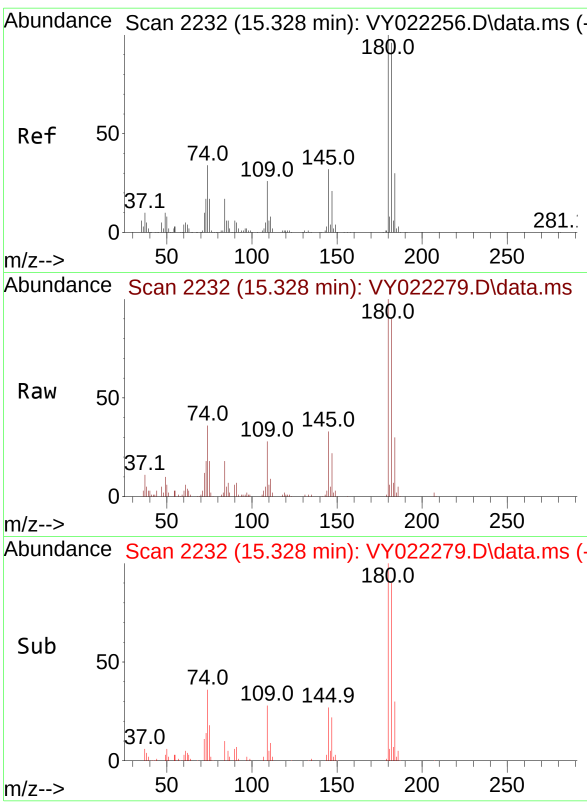


#95
Naphthalene
Concen: 18.410 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:128 Resp: 8646

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.5	8.8	13.2

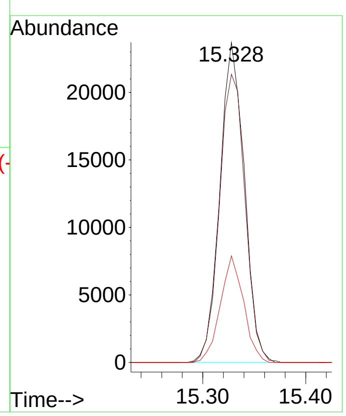




#96
1,2,3-Trichlorobenzene
Concen: 18.667 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:180 Resp: 39190

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	31.7	15.9	47.6



Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	26.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.3		1.00	5.00	ug/Kg
67-64-1	Acetone	98.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	90.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	170000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	94200	13.517			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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_D\Data\VD051425\
Data File : VD080320.D
Acq On   : 14 May 2025 13:57
Operator : RP/MD
Sample   : VD0514SBSD01
Misc   : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5   Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	108123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	170138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66869	47.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.640%			
35) Dibromofluoromethane	7.805	113	62231	52.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.270	98	237057	51.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.570	95	76682	51.564	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.935	85	27447	26.028	ug/l	93
3) Chloromethane	2.153	50	43430	20.439	ug/l	97
4) Vinyl Chloride	2.276	62	58270	20.730	ug/l	98
5) Bromomethane	2.682	94	40608	20.070	ug/l	98
6) Chloroethane	2.823	64	41644	20.954	ug/l	93
7) Trichlorofluoromethane	3.164	101	45828	21.263	ug/l	100
8) Diethyl Ether	3.588	74	12717	19.114	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.959	101	25769	19.405	ug/l	98
10) Methyl Iodide	4.159	142	28146	20.792	ug/l	97
11) Tert butyl alcohol	5.070	59	8113m	95.621	ug/l	
12) 1,1-Dichloroethene	3.935	96	25302	19.326	ug/l #	92
13) Acrolein	3.806	56	8764	58.707	ug/l	96
14) Allyl chloride	4.564	41	34037	16.531	ug/l	91
15) Acrylonitrile	5.253	53	30044	93.929	ug/l	99
16) Acetone	4.023	43	23160	98.134	ug/l	98
17) Carbon Disulfide	4.264	76	88967	19.569	ug/l	100
18) Methyl Acetate	4.564	43	19185	21.205	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	54758	19.039	ug/l	99
20) Methylene Chloride	4.794	84	35374	21.509	ug/l #	85
21) trans-1,2-Dichloroethene	5.311	96	27157	19.094	ug/l	94
22) Diisopropyl ether	6.217	45	80858	19.064	ug/l	94
23) Vinyl Acetate	6.158	43	223292	90.390	ug/l	98
24) 1,1-Dichloroethane	6.111	63	52770	19.771	ug/l	99
25) 2-Butanone	7.082	43	34843	90.569	ug/l	94
26) 2,2-Dichloropropane	7.082	77	40387	19.016	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	30708	19.488	ug/l	98
28) Bromochloromethane	7.423	49	24188	19.464	ug/l	98
29) Tetrahydrofuran	7.452	42	24338	97.027	ug/l	95
30) Chloroform	7.594	83	54260	20.386	ug/l	97
31) Cyclohexane	7.876	56	40481	17.821	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	43747	20.146	ug/l	95
36) 1,1-Dichloropropene	8.005	75	36327	20.670	ug/l	97
37) Ethyl Acetate	7.164	43	17745	19.309	ug/l	97
38) Carbon Tetrachloride	7.994	117	38773	21.155	ug/l	89
39) Methylcyclohexane	9.276	83	37166	18.225	ug/l	98
40) Benzene	8.252	78	112886	20.500	ug/l	99

Sample Results: **VD080320.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	9234	18.157	ug/l	98
42) 1,2-Dichloroethane	8.329	62	34403	21.561	ug/l	100
43) Isopropyl Acetate	8.358	43	32236	19.344	ug/l	98
44) Trichloroethene	9.029	130	27140	21.232	ug/l	98
45) 1,2-Dichloropropane	9.305	63	30235	21.409	ug/l	96
46) Dibromomethane	9.394	93	17459	22.706	ug/l	95
47) Bromodichloromethane	9.582	83	41844	21.441	ug/l	96
48) Methyl methacrylate	9.376	41	14510	18.325	ug/l	96
49) 1,4-Dioxane	9.382	88	3881	424.539	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	86390	100.614	ug/l	93
52) Toluene	10.335	92	69044	20.812	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	35761	20.100	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	41281	20.022	ug/l	99
55) 1,1,2-Trichloroethane	10.735	97	22028	21.658	ug/l	96
56) Ethyl methacrylate	10.594	69	23711	19.239	ug/l	94
57) 1,3-Dichloropropane	10.876	76	36305	21.477	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	48960	97.071	ug/l	98
59) 2-Hexanone	10.917	43	56917	96.363	ug/l	96
60) Dibromochloromethane	11.076	129	28772	22.573	ug/l	98
61) 1,2-Dibromoethane	11.176	107	20063	21.273	ug/l	97
64) Tetrachloroethene	10.811	164	22626	19.638	ug/l	97
65) Chlorobenzene	11.605	112	75690	19.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	27455	20.802	ug/l	98
67) Ethyl Benzene	11.682	91	123851	19.292	ug/l	100
68) m/p-Xylenes	11.793	106	97306	39.036	ug/l	98
69) o-Xylene	12.117	106	43711	19.190	ug/l	93
70) Styrene	12.135	104	80039	19.569	ug/l	98
71) Bromoform	12.293	173	16564	21.123	ug/l #	100
73) Isopropylbenzene	12.417	105	109729	17.957	ug/l	98
74) N-amyl acetate	12.229	43	31168	17.772	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	26515	19.732	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	15040m	16.543	ug/l	
77) Bromobenzene	12.699	156	32251	20.347	ug/l	99
78) n-propylbenzene	12.758	91	145714	19.002	ug/l	99
79) 2-Chlorotoluene	12.846	91	86837	19.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	100106	19.207	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.470	75	9310	19.438	ug/l	96
82) 4-Chlorotoluene	12.946	91	93535	19.426	ug/l	99
83) tert-Butylbenzene	13.164	119	80335	18.471	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	102044	19.136	ug/l	98
85) sec-Butylbenzene	13.340	105	125033	18.643	ug/l	99
86) p-Isopropyltoluene	13.458	119	107020	18.986	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	65750	19.891	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	65246	19.579	ug/l	98
89) n-Butylbenzene	13.787	91	98233	17.952	ug/l	98
90) Hexachloroethane	14.046	117	24479	19.627	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	56894	19.813	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4473	20.886	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	33330	18.457	ug/l	98
94) Hexachlorobutadiene	15.199	225	17589	18.722	ug/l	99
95) Naphthalene	15.329	128	59557	17.564	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	29810	18.457	ug/l	97

Sample Results: **VD080320.D**

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On    : 14 May 2025  13:57
Operator  : RP/MD
Sample    : VD0514SBSD01
Misc      : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title  : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

Quantitation Report   (QT Reviewed)

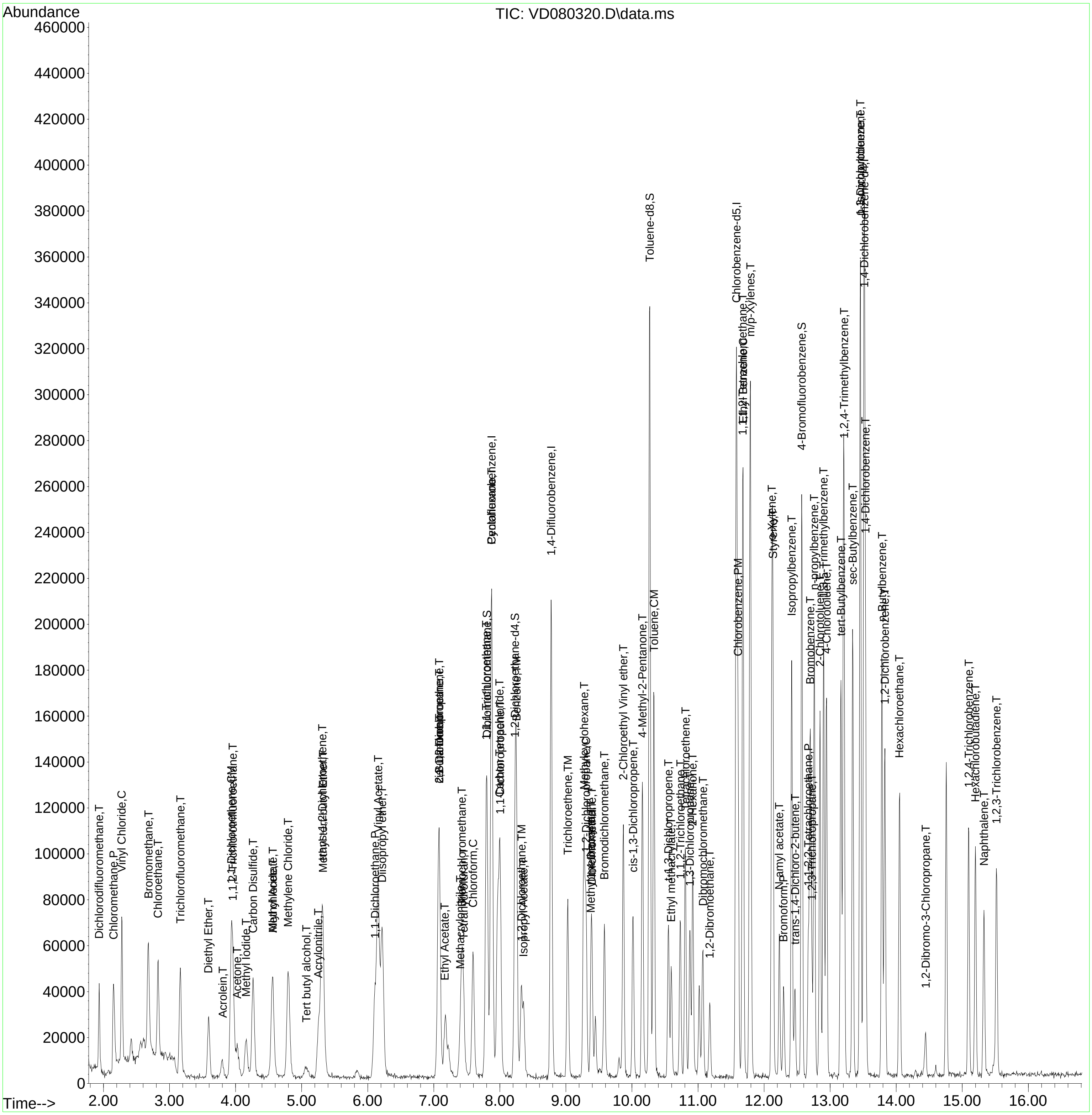
Sample Results: **VD080320.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On   : 14 May 2025 13:57
Operator : RP/MD
Sample   : VD0514SBSD01
Misc   : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5   Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

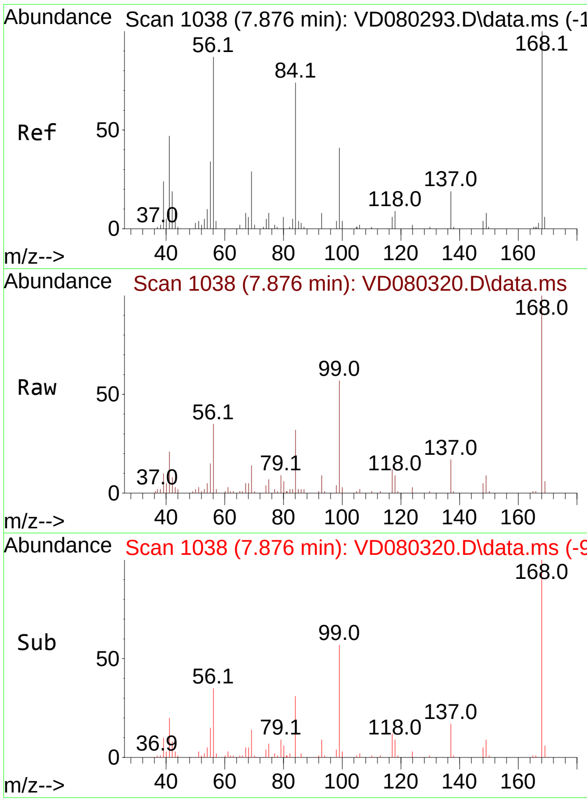
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

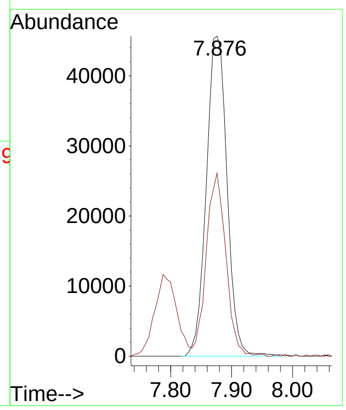
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

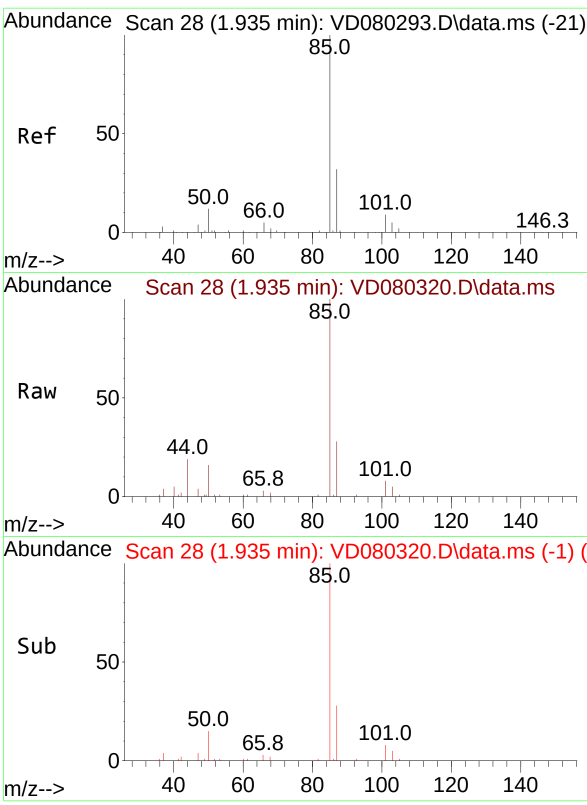


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:168 Resp: 10812

Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.0	69.0

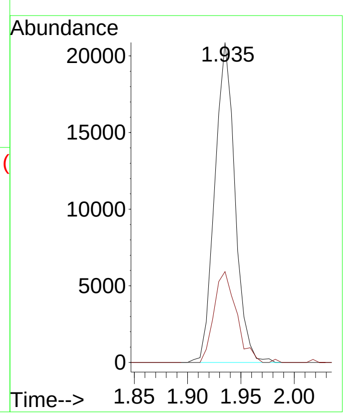




#2
Dichlorodifluoromethane
Concen: 26.028 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 85 Resp: 27447

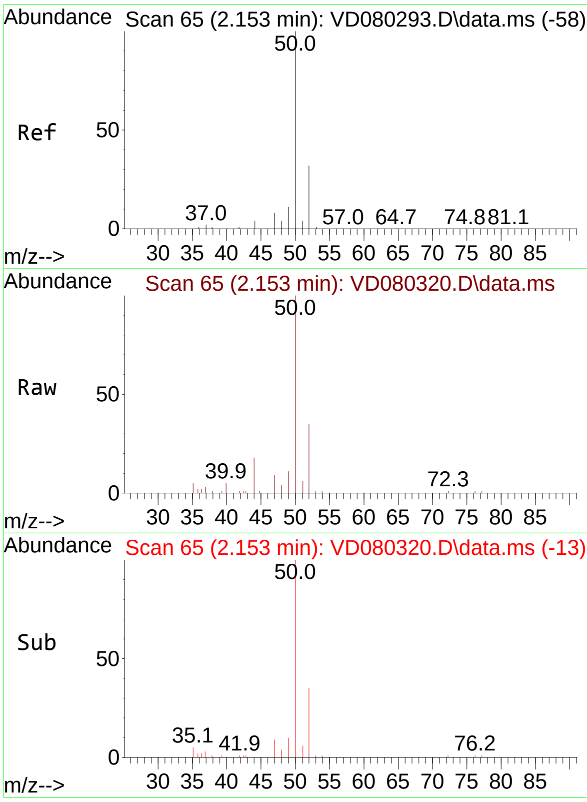
Ion	Ratio	Lower	Upper
85	100		
87	28.4	16.1	48.2



Instrument : MSVOA_D
ClientSampleId : VD0514SBSD01

Manual Integrations APPROVED

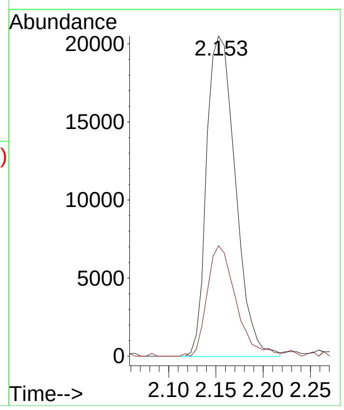
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

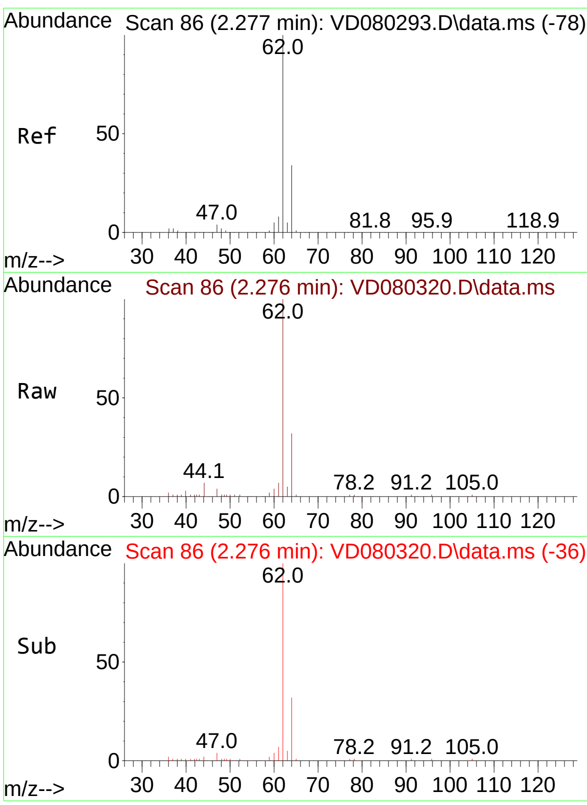


#3
Chloromethane
Concen: 20.439 ug/l
RT: 2.153 min Scan# 6
Delta R.T. 0.007 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 50 Resp: 4343

Ion	Ratio	Lower	Upper
50	100		
52	34.5	28.8	43.2

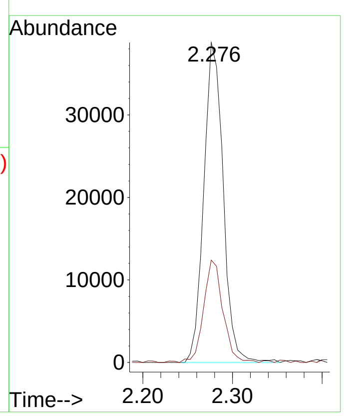




#4
Vinyl Chloride
Concen: 20.730 ug/l
RT: 2.276 min Scan# 86
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 62 Resp: 58270

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.5	39.7



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

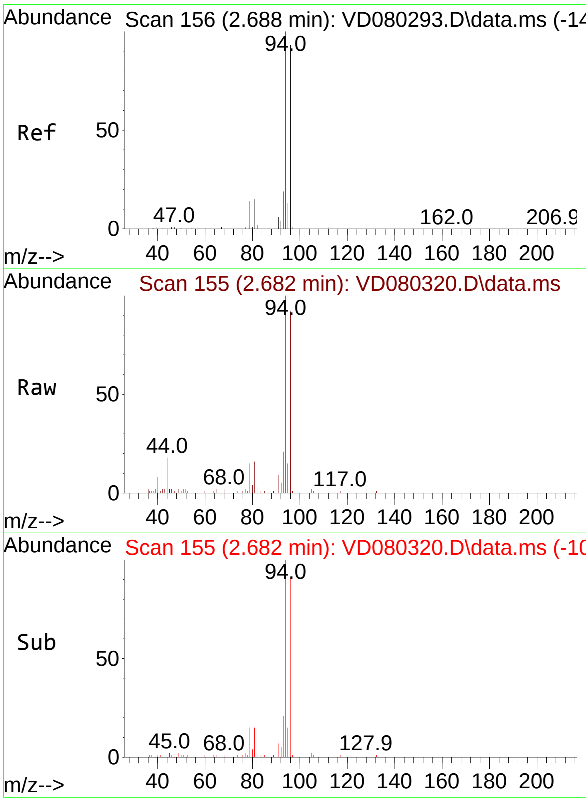
Manual Integrations
APPROVED

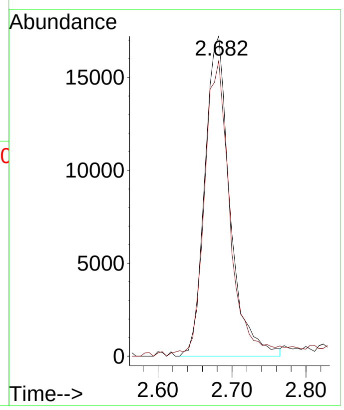
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

#5
Bromomethane
Concen: 20.070 ug/l
RT: 2.682 min Scan# 1
Delta R.T. -0.011 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 94 Resp: 4060

Ion	Ratio	Lower	Upper
94	100		
96	93.5	76.2	114.2

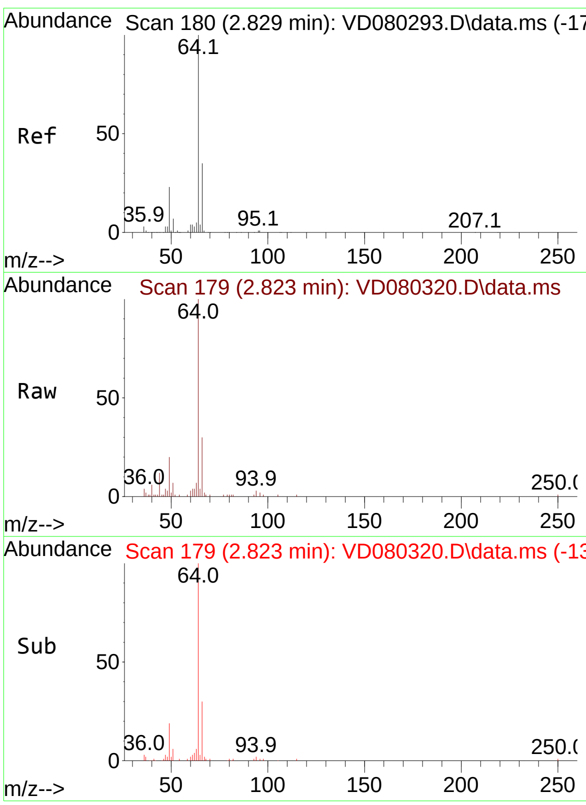


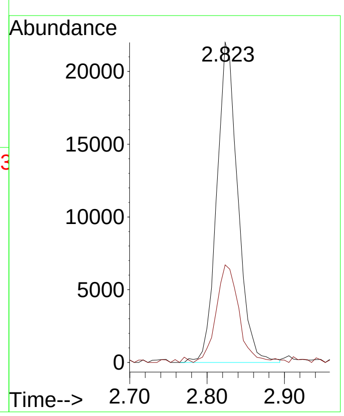


#6
Chloroethane
Concen: 20.954 ug/l
RT: 2.823 min Scan# 179
Delta R.T. -0.011 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 64 Resp: 41644

Ion	Ratio	Lower	Upper
64	100		
66	30.5	27.6	41.4

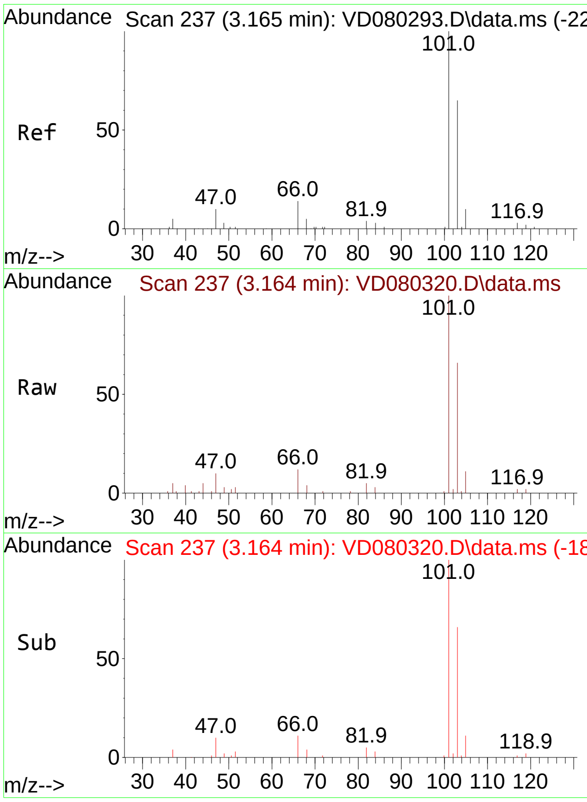




Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
APPROVED

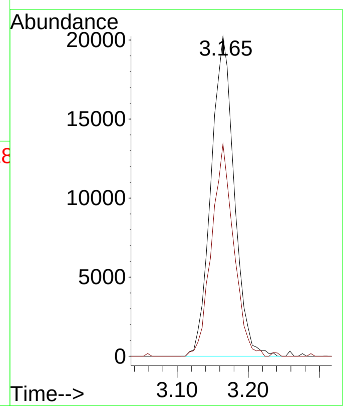
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

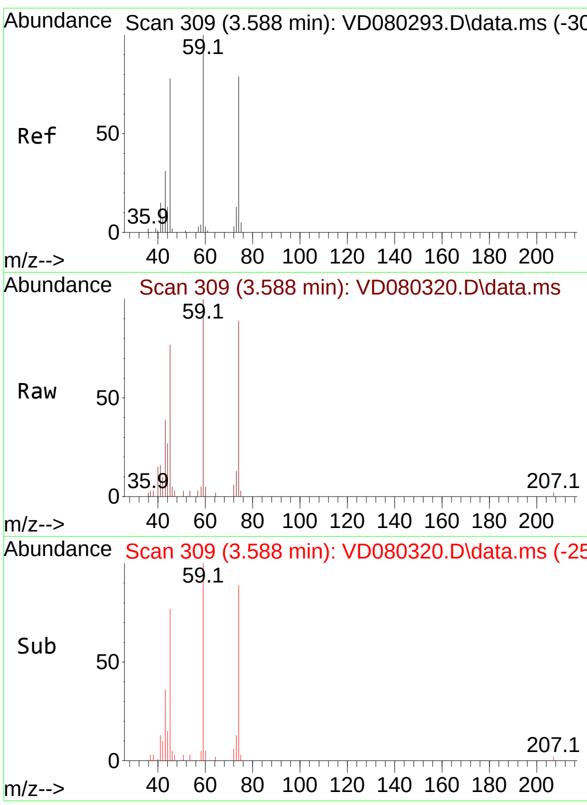


#7
Trichlorofluoromethane
Concen: 21.263 ug/l
RT: 3.164 min Scan# 2
Delta R.T. -0.006 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:101 Resp: 4582

Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.0	79.6

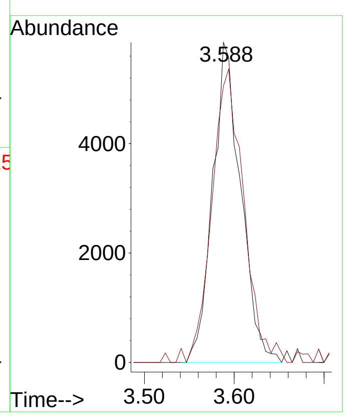




#8
Diethyl Ether
Concen: 19.114 ug/l
RT: 3.588 min Scan# 309
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 74 Resp: 12717

Ion	Ratio	Lower	Upper
74	100		
45	104.1	47.8	143.3



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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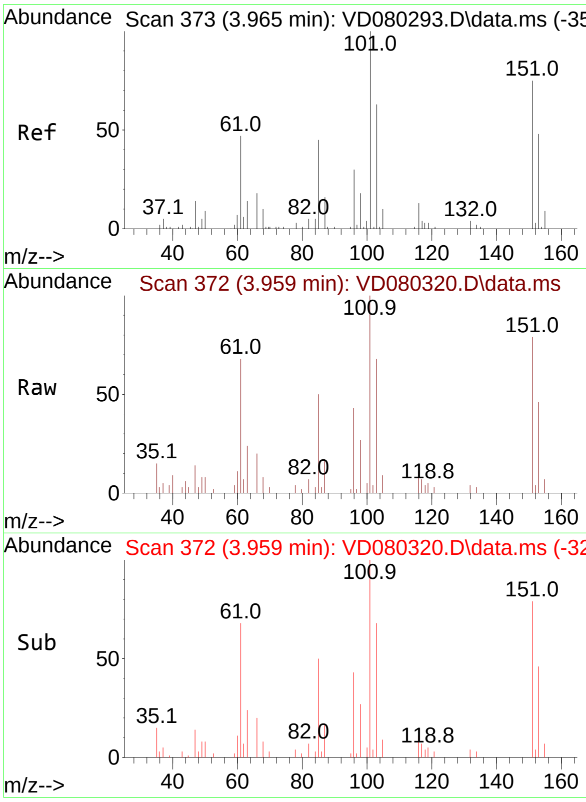
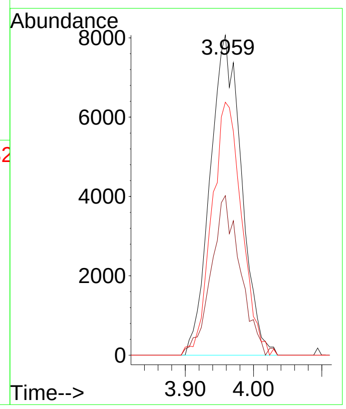
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

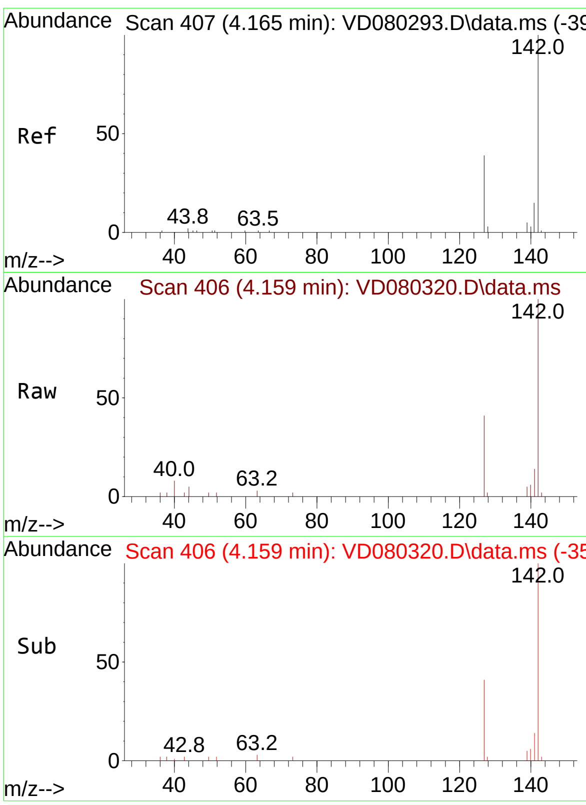


#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.405 ug/l
RT: 3.959 min Scan# 37
Delta R.T. -0.011 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:101 Resp: 2576

Ion	Ratio	Lower	Upper
101	100		
85	46.6	35.3	52.9
151	75.7	60.3	90.5

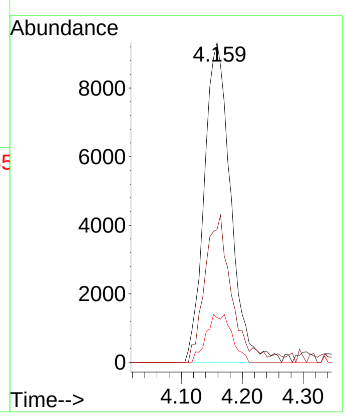




#10
Methyl Iodide
Concen: 20.792 ug/l
RT: 4.159 min Scan# 406
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:142 Resp: 28146

Ion	Ratio	Lower	Upper
142	100		
127	46.0	35.3	52.9
141	14.6	12.2	18.2

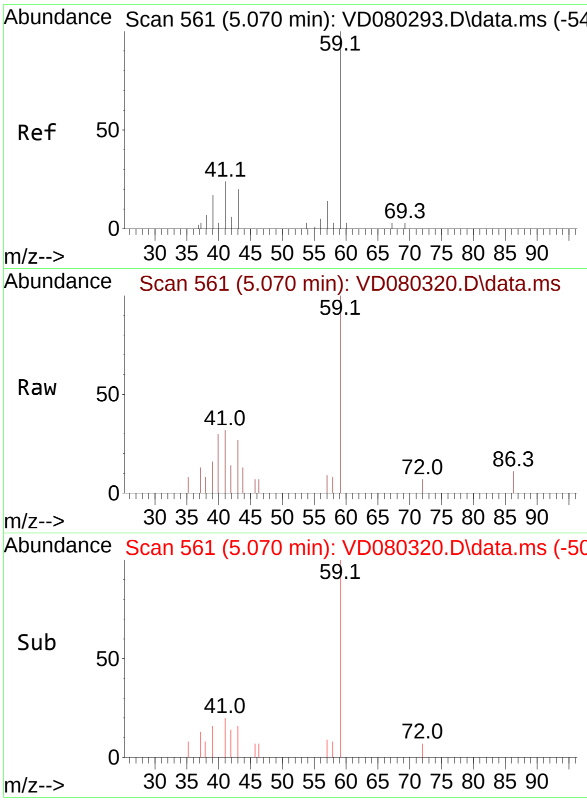


Sample Results: **VD080320.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

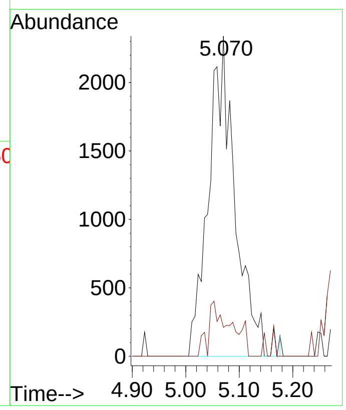
Manual Integrations APPROVED

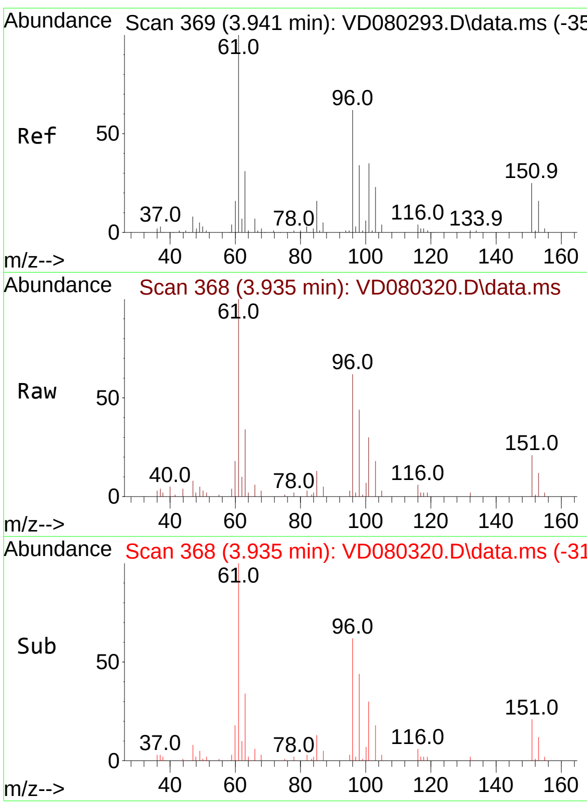
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#11
Tert butyl alcohol
Concen:   95.621 ug/l m
RT:    5.070 min   Scan# 5
Delta R.T.   0.012 min
Lab File:    VD080320.D
Acq: 14 May 2025   13:57

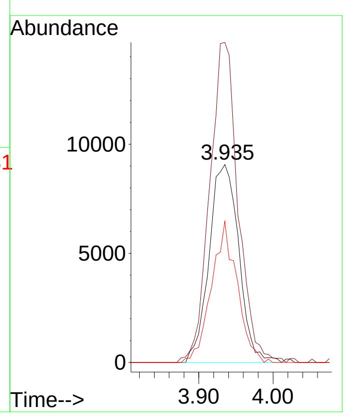
Tgt Ion: 59 Resp:    811
Ion   Ratio   Lower   Upper
 59   100
 57    10.1     4.8     7.2
```

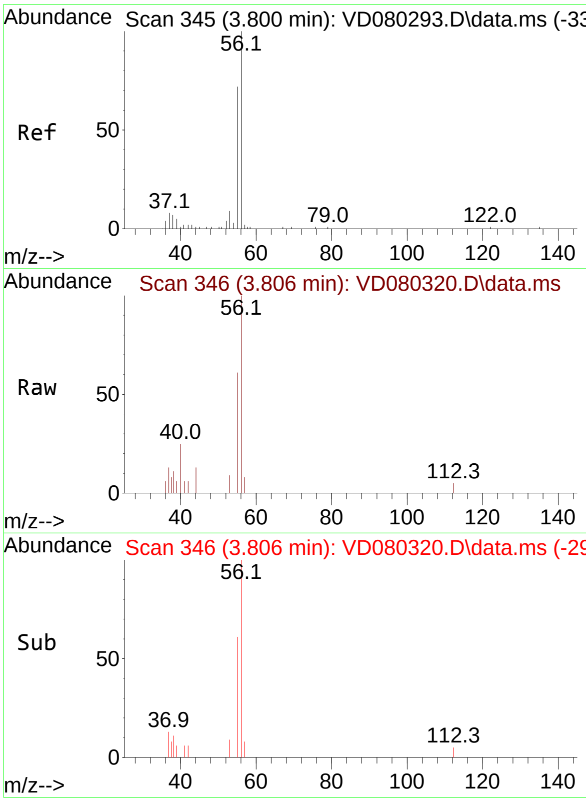





```
#12
1,1-Dichloroethene
Concen:   19.326 ug/l
RT:    3.935 min   Scan# 368
Delta R.T.   -0.005 min
Lab File:    VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 96 Resp:    25302
Ion   Ratio   Lower   Upper
 96   100
 61   159.6   122.6   184.0
 98    71.3    47.1    70.7#
```





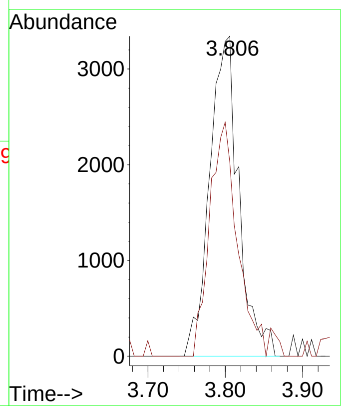
#13
Acrolein
Concen: 58.707 ug/l
RT: 3.806 min Scan# 34
Delta R.T. 0.013 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

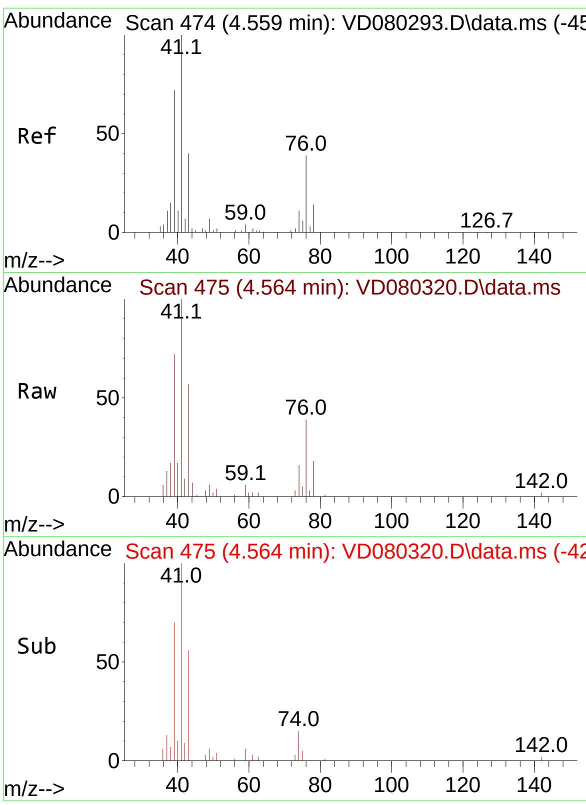
Tgt Ion: 56 Resp: 8764

Ion	Ratio	Lower	Upper
56	100		
55	69.6	58.2	87.2

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

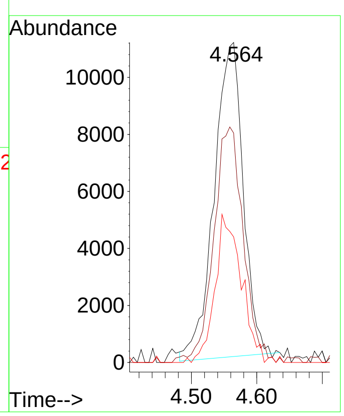




#14
Allyl chloride
Concen: 16.531 ug/l
RT: 4.564 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 41 Resp: 34037

Ion	Ratio	Lower	Upper
41	100		
39	76.2	53.3	79.9
76	42.6	32.0	48.0



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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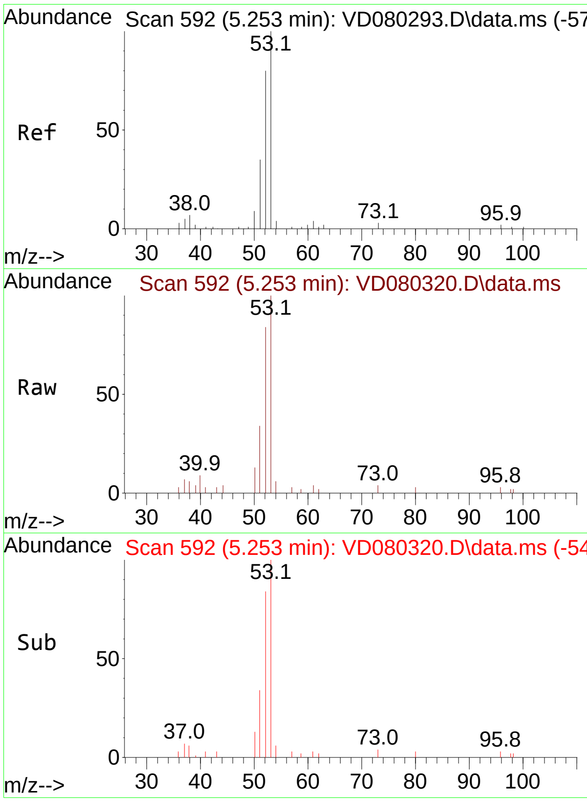
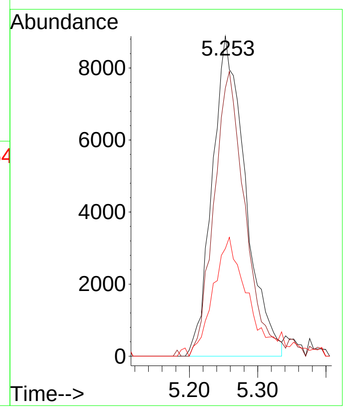
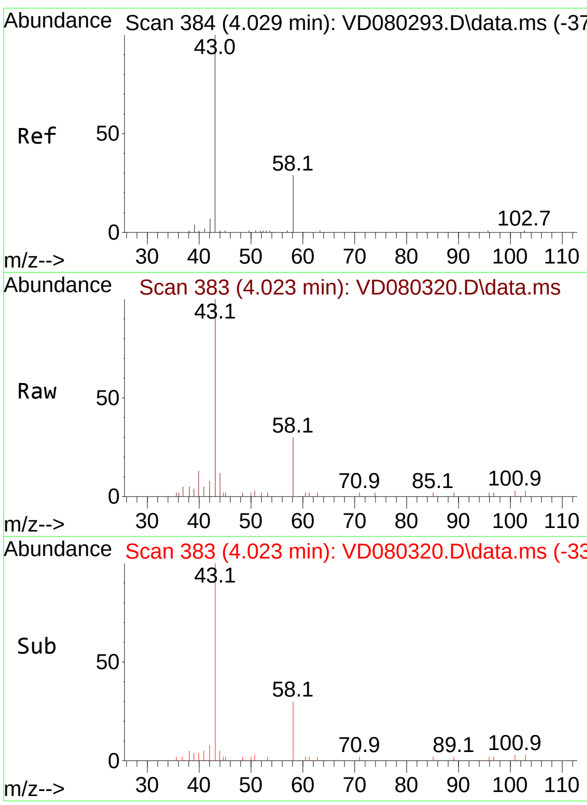
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#15
Acrylonitrile
Concen:   93.929 ug/l
RT:   5.253 min  Scan# 59
Delta R.T.  0.001 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

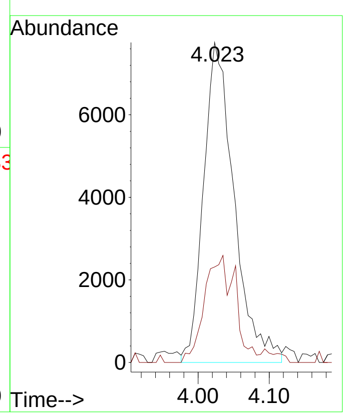
Tgt Ion: 53 Resp:   3004
Ion  Ratio  Lower  Upper
 53  100
 52   83.1   66.2   99.4
 51   39.3   30.3   45.5
```

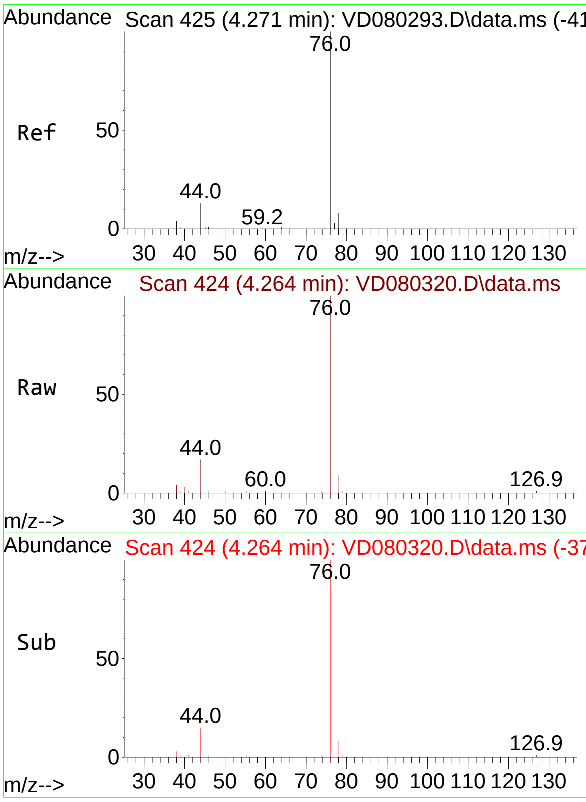





```
#16
Acetone
Concen:   98.134 ug/l
RT:   4.023 min  Scan# 383
Delta R.T.  0.000 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

Tgt Ion: 43 Resp:   23160
Ion  Ratio  Lower  Upper
 43  100
 58   30.6   25.4   38.2
```





#17
Carbon Disulfide
Concen: 19.569 ug/l
RT: 4.264 min   Scan# 42
Delta R.T.   -0.006 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 76 Resp: 8896

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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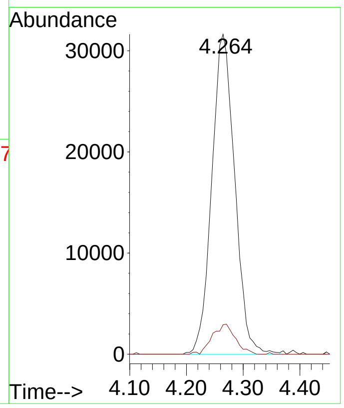
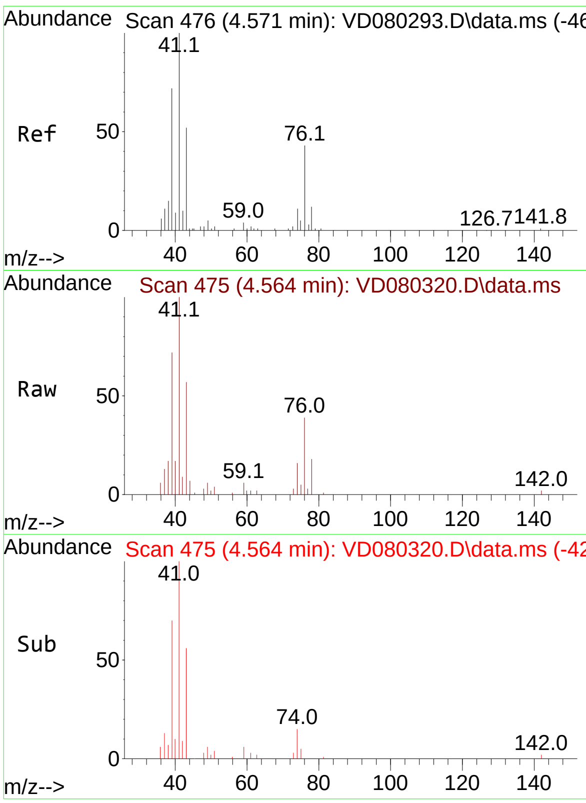
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

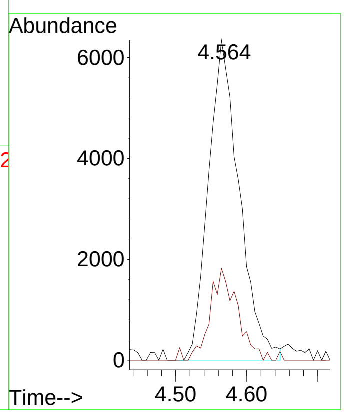




#18
Methyl Acetate
Concen: 21.205 ug/l
RT: 4.564 min   Scan# 475
Delta R.T.   0.000 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 43 Resp: 19185

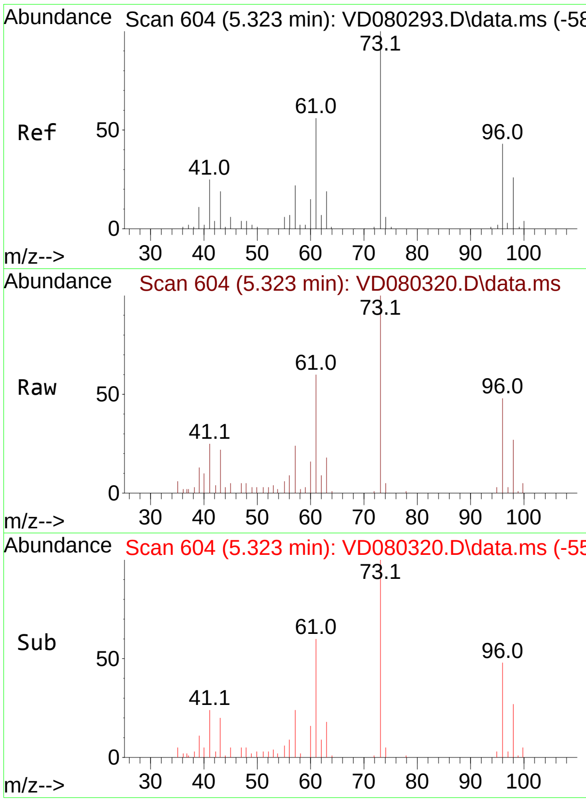
Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.5	30.7



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

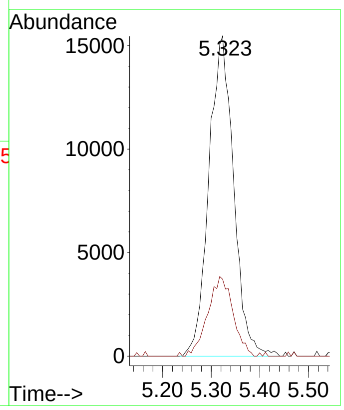
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

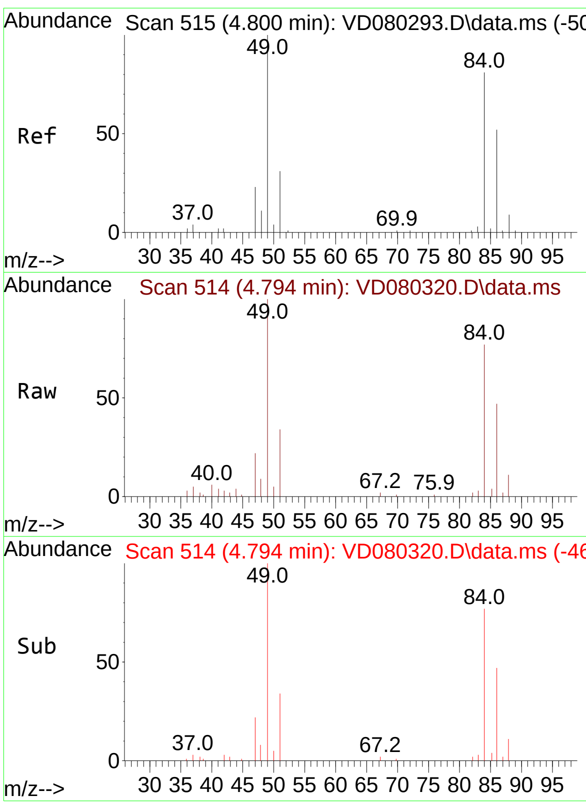


#19
Methyl tert-butyl Ether
Concen: 19.039 ug/l
RT: 5.323 min Scan# 6(
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 73 Resp: 5475(

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.8	28.2

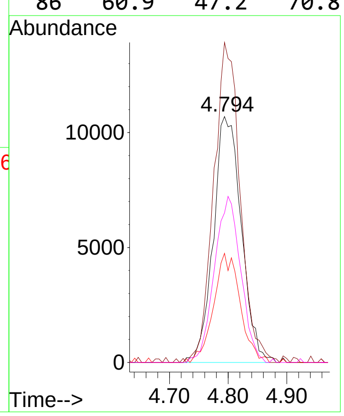




#20
Methylene Chloride
Concen: 21.509 ug/l
RT: 4.794 min Scan# 514
Delta R.T. -0.011 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 84 Resp: 35374

Ion	Ratio	Lower	Upper
84	100		
49	130.1	86.5	129.7#
51	44.4	26.9	40.3#
86	60.9	47.2	70.8



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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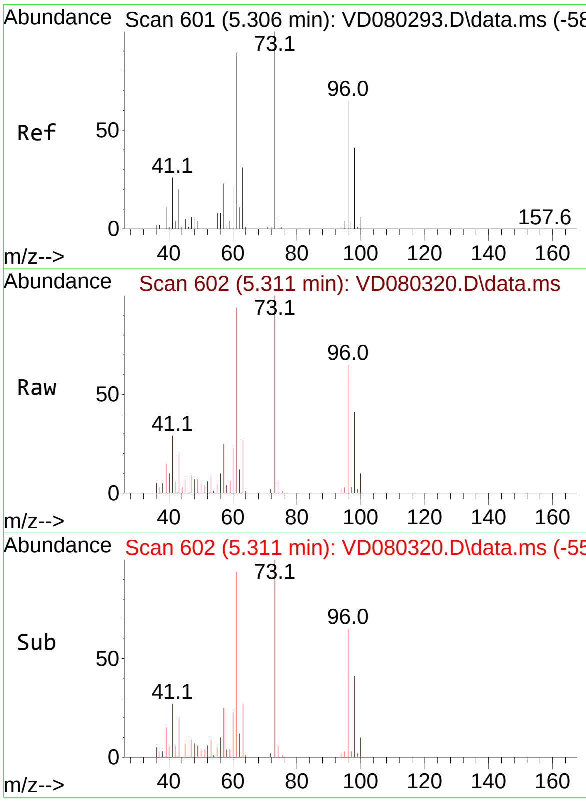
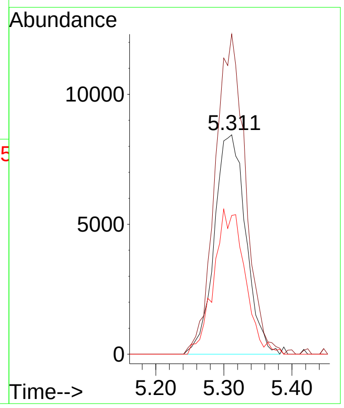
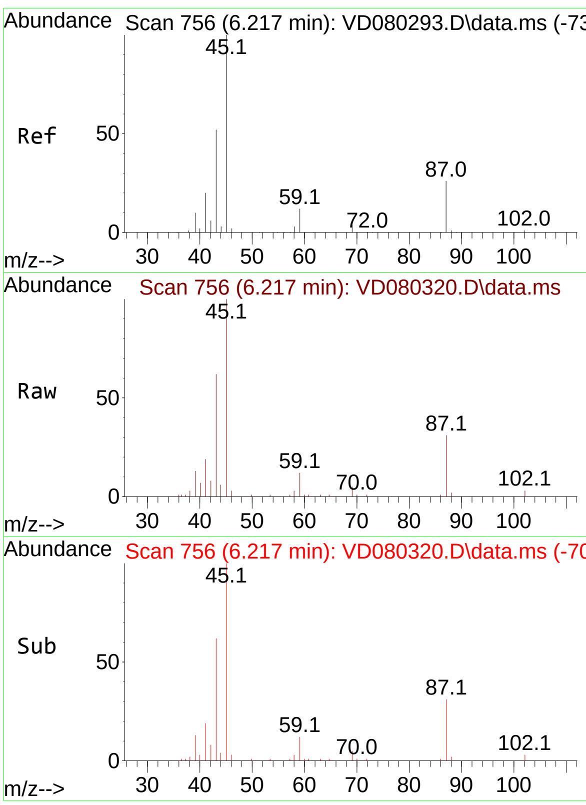
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025




```
#21
trans-1,2-Dichloroethene
Concen:   19.094 ug/l
RT:   5.311 min  Scan# 6(
Delta R.T.  0.000 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

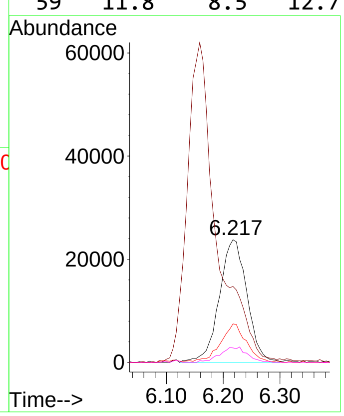
Tgt Ion: 96 Resp:   2715
Ion  Ratio  Lower  Upper
 96  100
 61  145.9  109.4  164.0
 98   63.3   49.8   74.8
```

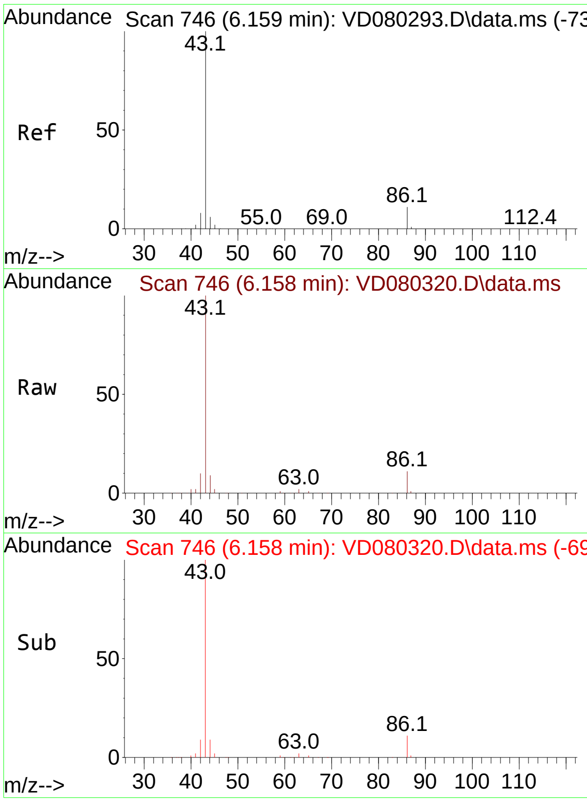





```
#22
Diisopropyl ether
Concen:   19.064 ug/l
RT:   6.217 min  Scan# 756
Delta R.T.  0.001 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

Tgt Ion: 45 Resp:   80858
Ion  Ratio  Lower  Upper
 45  100
 43   58.9   42.6   63.8
 87   30.8   22.7   34.1
 59   11.8    8.5   12.7
```





#23
Vinyl Acetate
Concen: 90.390 ug/l
RT: 6.158 min   Scan# 74
Delta R.T.   0.000 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 43 Resp: 22329

Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.0

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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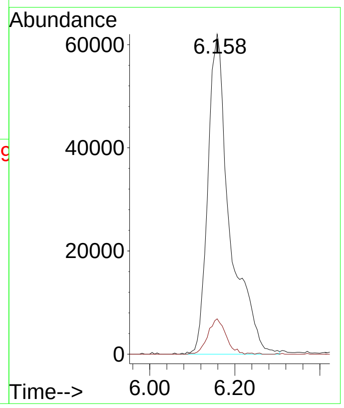
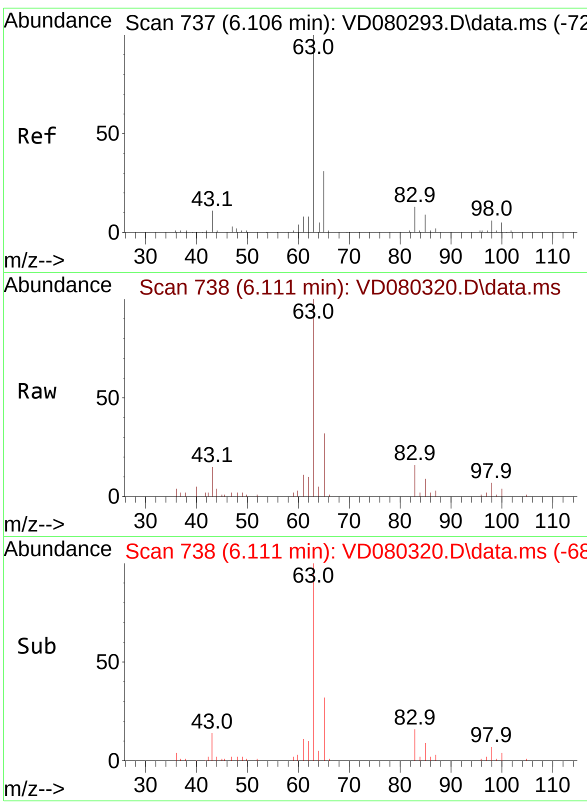
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

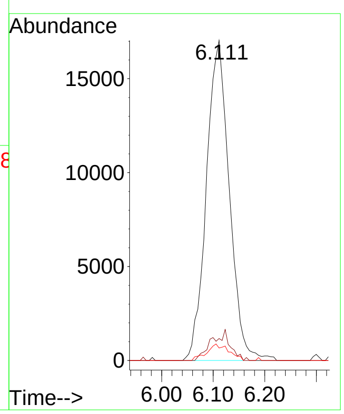


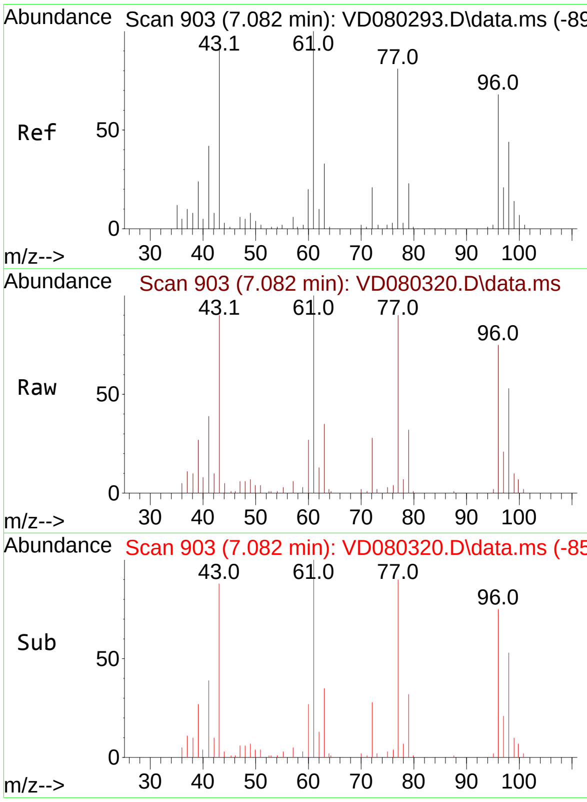


#24
1,1-Dichloroethane
Concen: 19.771 ug/l
RT: 6.111 min   Scan# 738
Delta R.T.   -0.006 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 63 Resp: 52770

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	3.9	2.1	6.5





#25
2-Butanone
Concen: 90.569 ug/l
RT: 7.082 min Scan# 9
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

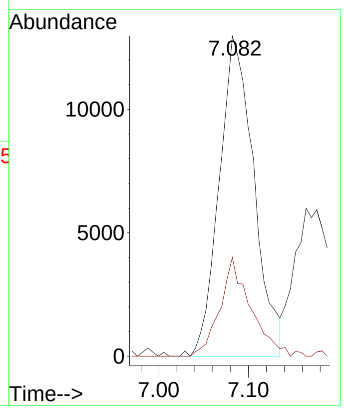
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

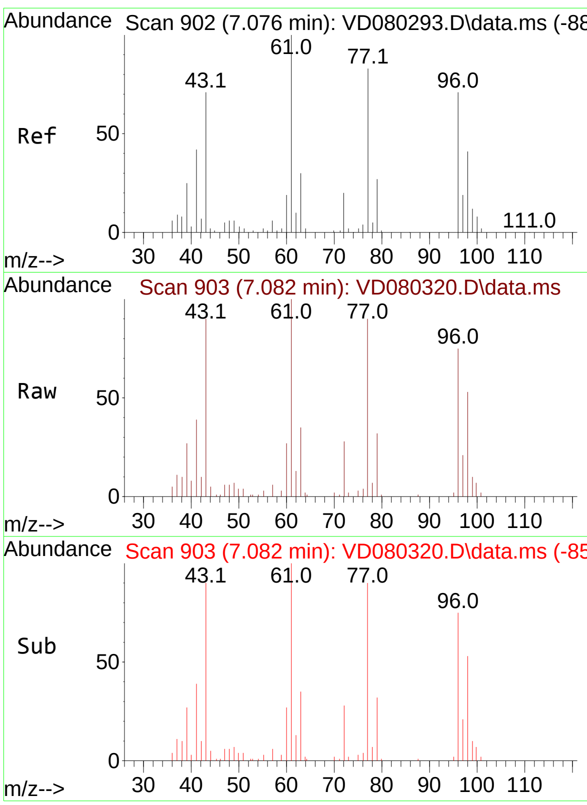
Tgt Ion: 43 Resp: 3484

Ion	Ratio	Lower	Upper
43	100		
72	30.9	22.3	33.5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

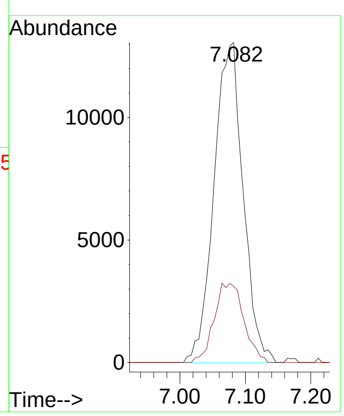




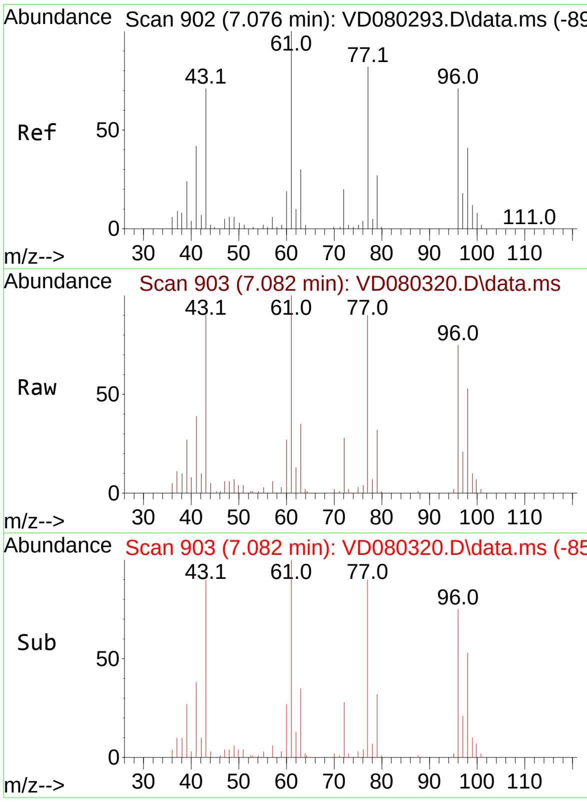
#26
2,2-Dichloropropane
Concen: 19.016 ug/l
RT: 7.082 min Scan# 903
Delta R.T. 0.007 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 77 Resp: 40387

Ion	Ratio	Lower	Upper
77	100		
97	25.2	11.9	35.9



Sample Results: **VD080320.D**



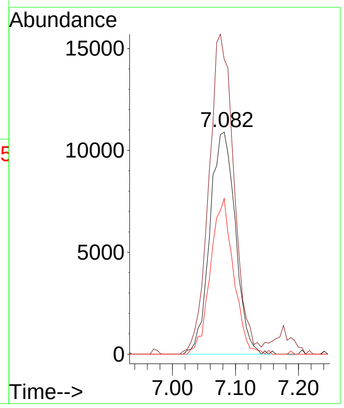

```
#27
cis-1,2-Dichloroethene
Concen:   19.488 ug/l
RT:   7.082 min   Scan# 90
Delta R.T.   0.001 min
Lab File:    VD080320.D
Acq: 14 May 2025   13:57

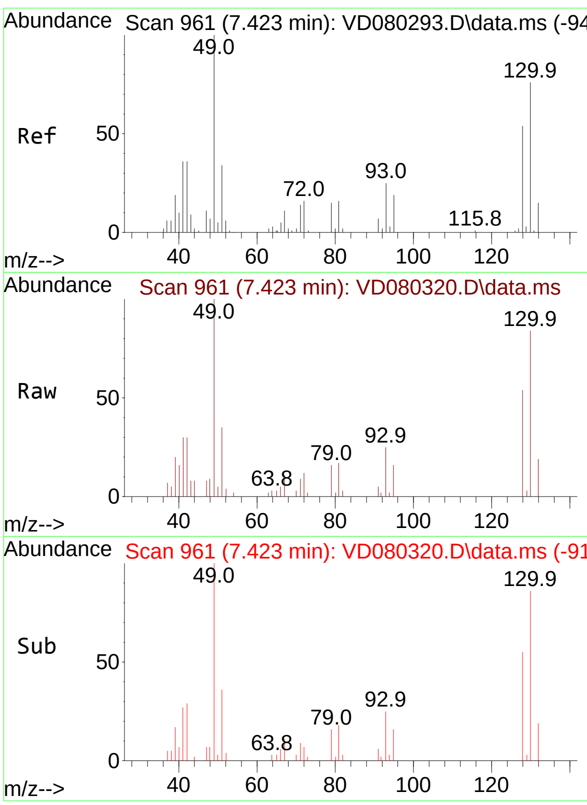
Tgt Ion: 96 Resp:   30708
Ion   Ratio   Lower   Upper
 96   100
 61   142.0     0.0   278.2
 98    63.2     0.0   127.8
```

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

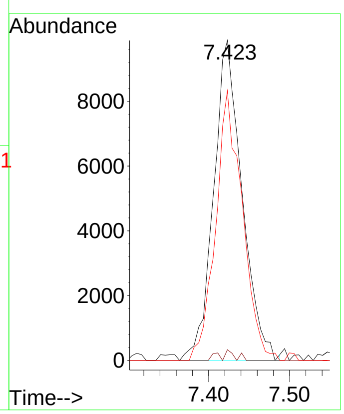
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025






```
#28
Bromochloromethane
Concen:   19.464 ug/l
RT:   7.423 min   Scan# 961
Delta R.T.   -0.005 min
Lab File:    VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 49 Resp:    24188
Ion   Ratio   Lower   Upper
 49   100
129     1.1     0.0     2.2
130    79.0    64.6    97.0
```



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
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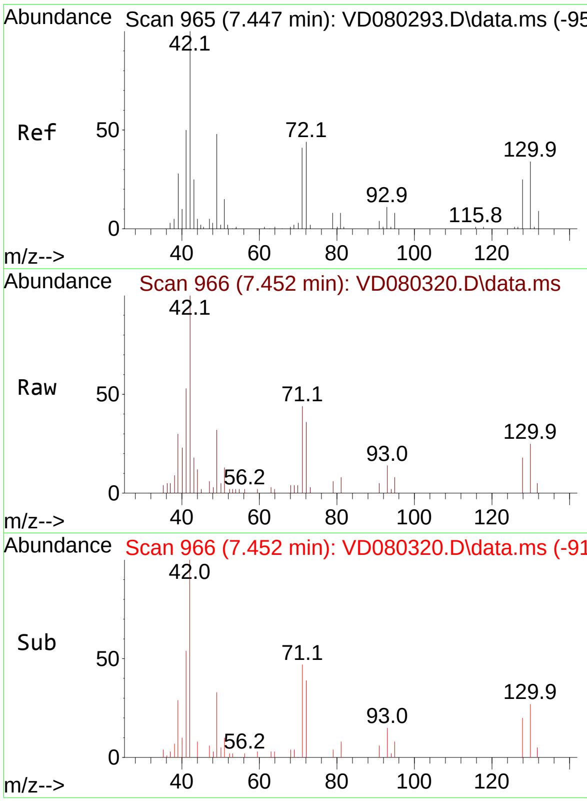
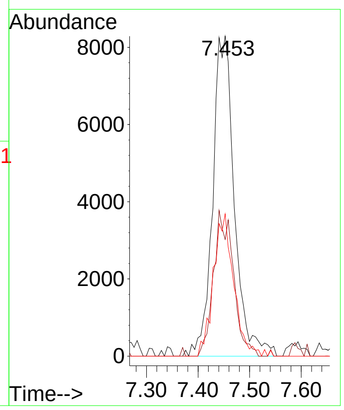
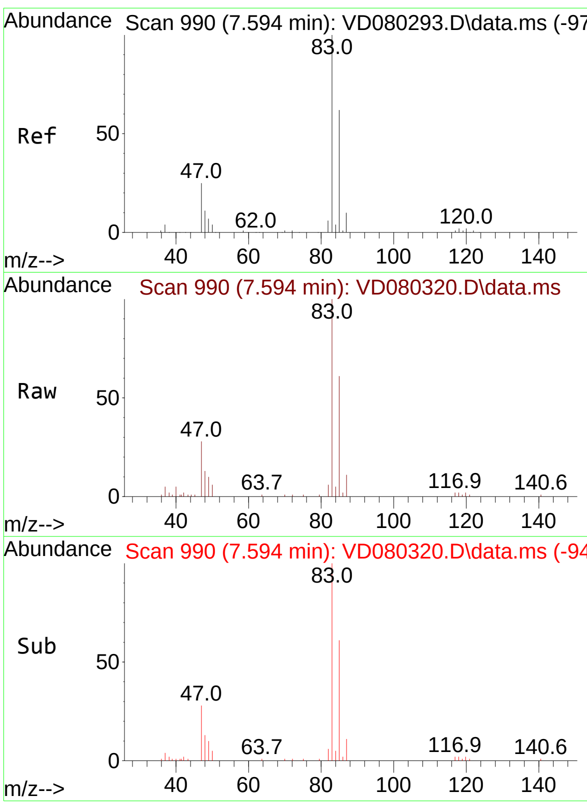



```
#29
Tetrahydrofuran
Concen:   97.027 ug/l
RT:   7.452 min  Scan# 9
Delta R.T.  0.006 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

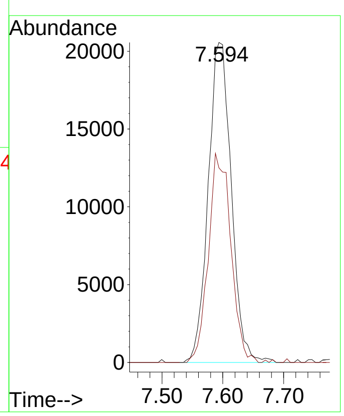
Tgt Ion: 42 Resp:   2433
Ion  Ratio  Lower  Upper
 42  100
 72   41.5   36.7   55.1
 71   41.2   34.4   51.6
```

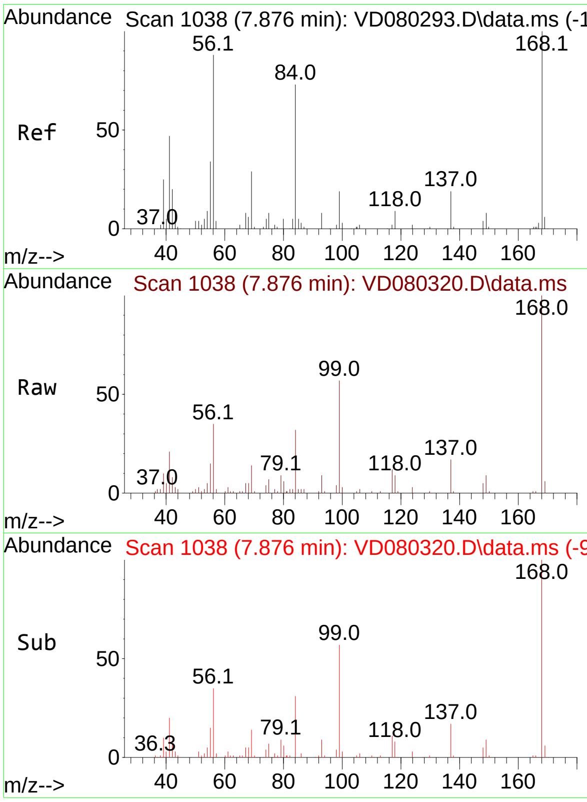





```
#30
Chloroform
Concen:   20.386 ug/l
RT:   7.594 min  Scan# 990
Delta R.T.  -0.005 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

Tgt Ion: 83 Resp:   54260
Ion  Ratio  Lower  Upper
 83  100
 85   60.8   50.8   76.2
```





#31
Cyclohexane
Concen: 17.821 ug/l
RT: 7.876 min Scan# 1(
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tgt Ion: 56 Resp: 4048

Ion	Ratio	Lower	Upper
56	100		
69	38.2	27.3	40.9
84	87.8	70.2	105.4

Manual Integrations
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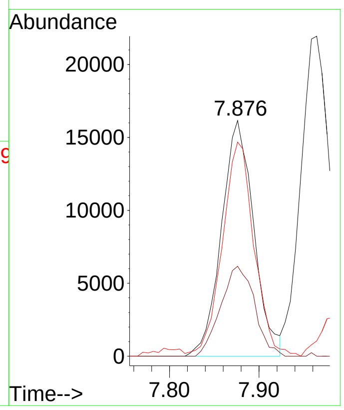
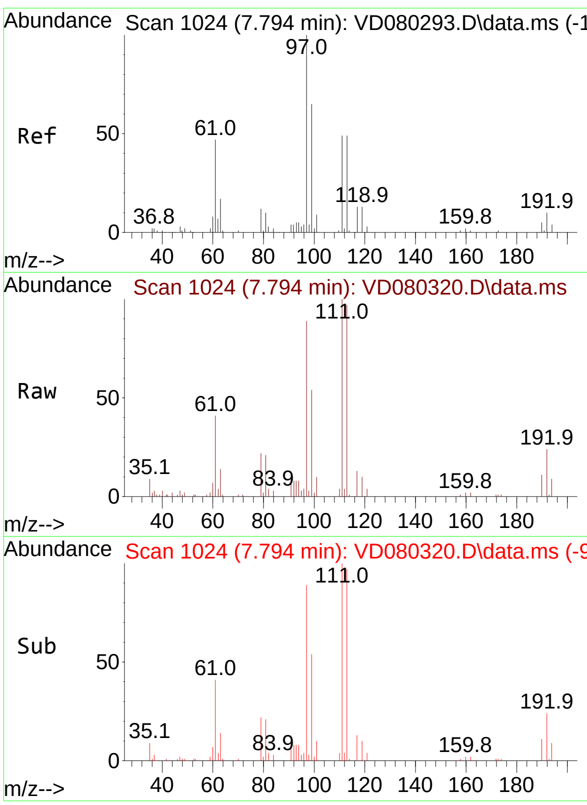
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

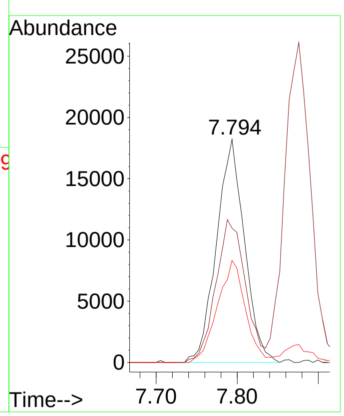




#32
1,1,1-Trichloroethane
Concen: 20.146 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 97 Resp: 43747

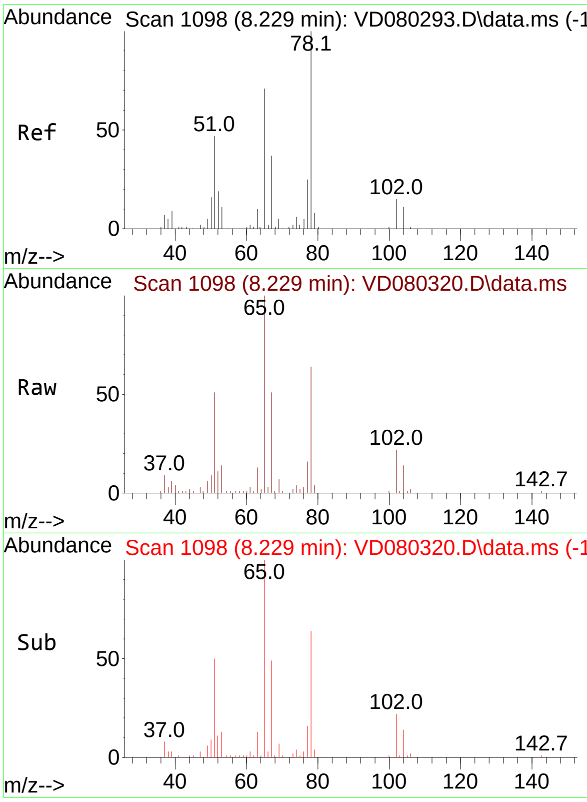
Ion	Ratio	Lower	Upper
97	100		
99	67.9	50.7	76.1
61	45.7	34.2	51.2



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

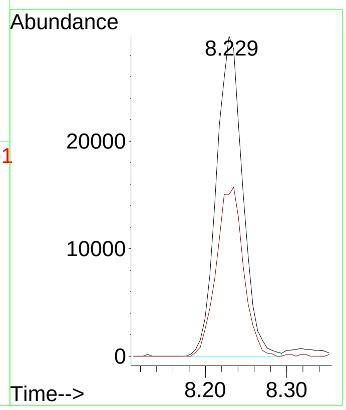
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

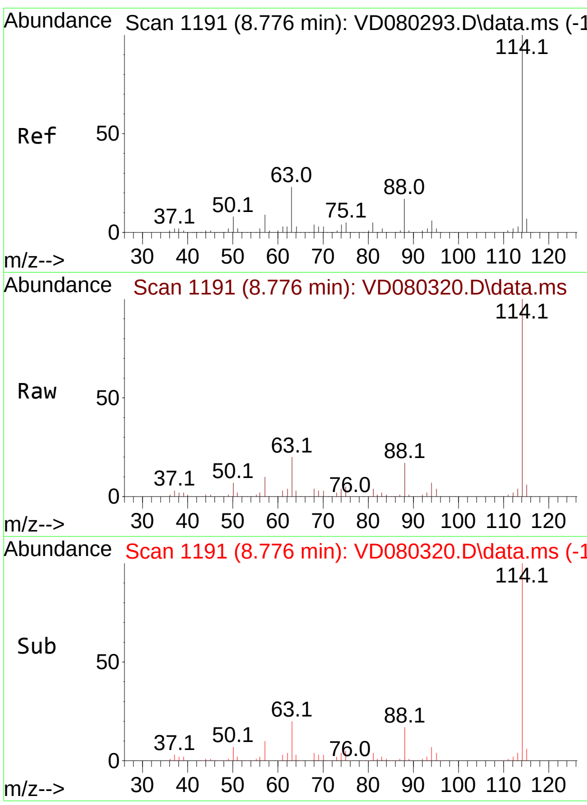


#33
1,2-Dichloroethane-d4
Concen: 47.825 ug/l
RT: 8.229 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 65 Resp: 6686

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	109.2

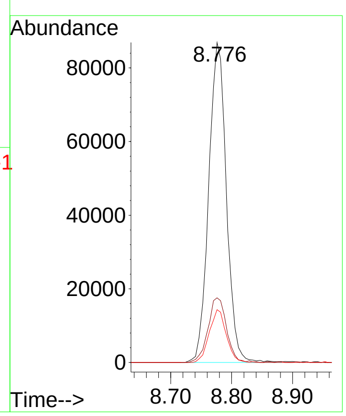




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:114 Resp: 175447

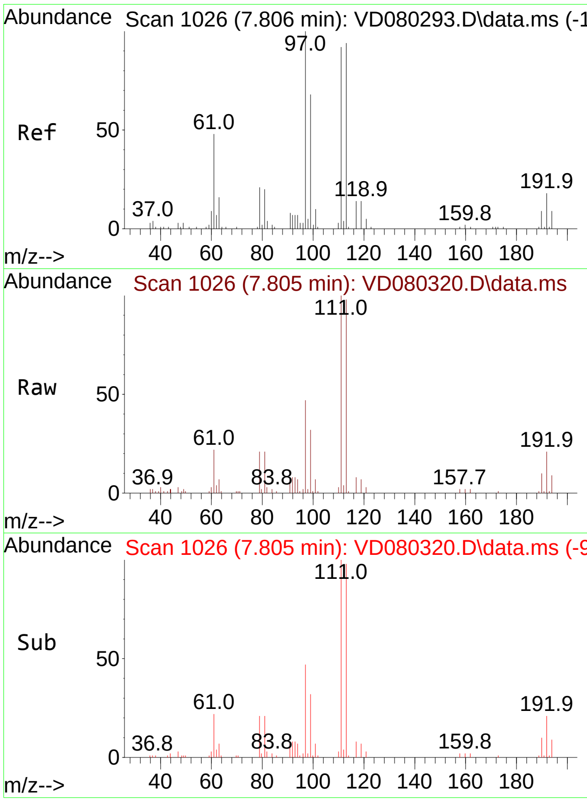
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.8
88	16.5	0.0	30.6



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
APPROVED

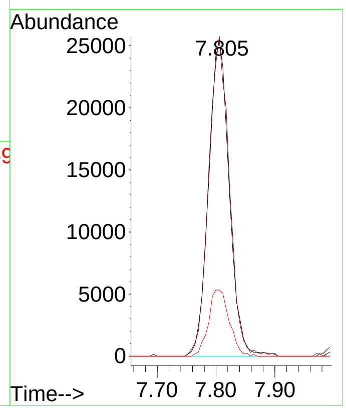
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

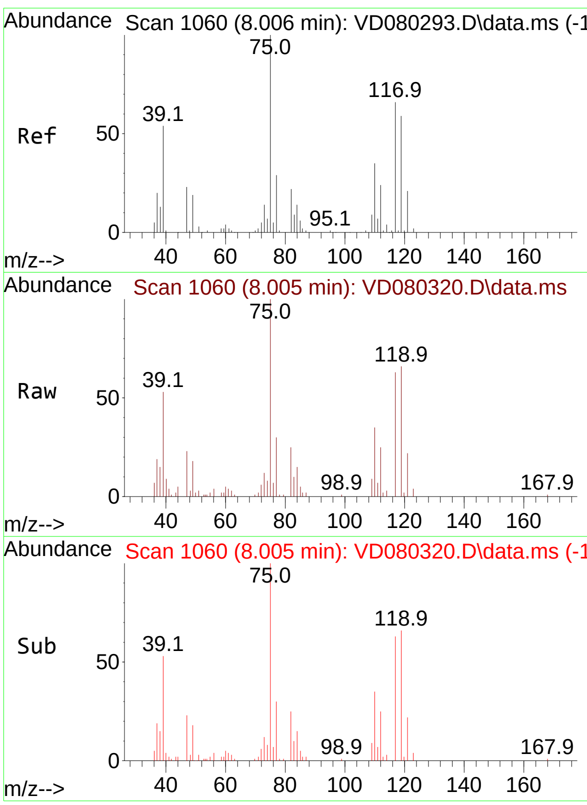


#35
Dibromofluoromethane
Concen: 52.922 ug/l
RT: 7.805 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:113 Resp: 6223

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.5	123.7
192	21.1	16.6	25.0

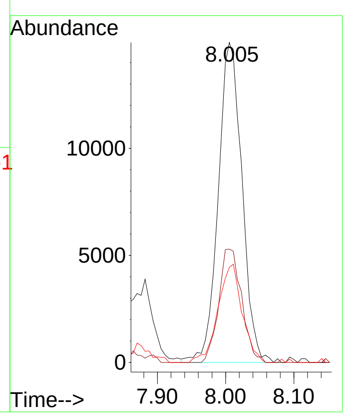




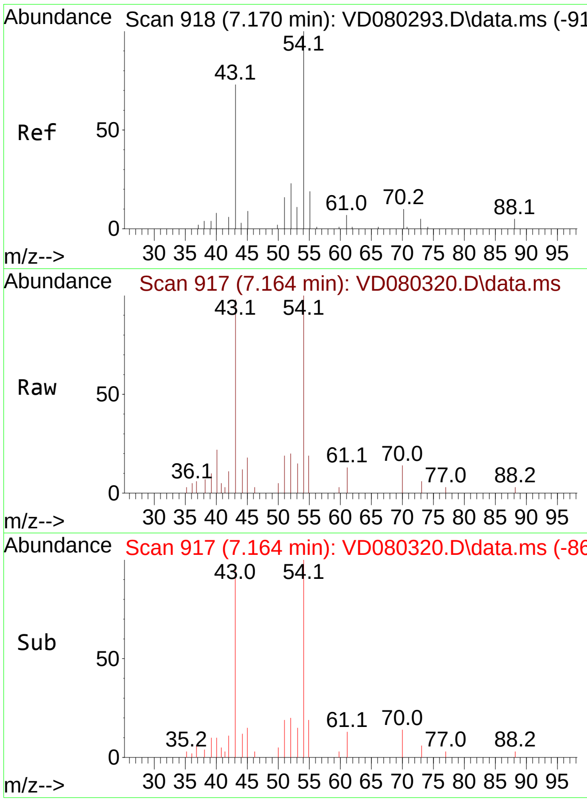
#36
1,1-Dichloropropene
Concen: 20.670 ug/l
RT: 8.005 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 75 Resp: 36327

Ion	Ratio	Lower	Upper
75	100		
110	34.1	18.4	55.0
77	31.3	25.6	38.4



Sample Results: **VD080320.D**



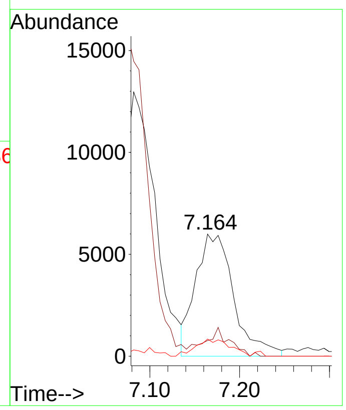
#37
Ethyl Acetate
Concen: 19.309 ug/l
RT: 7.164 min Scan# 9
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

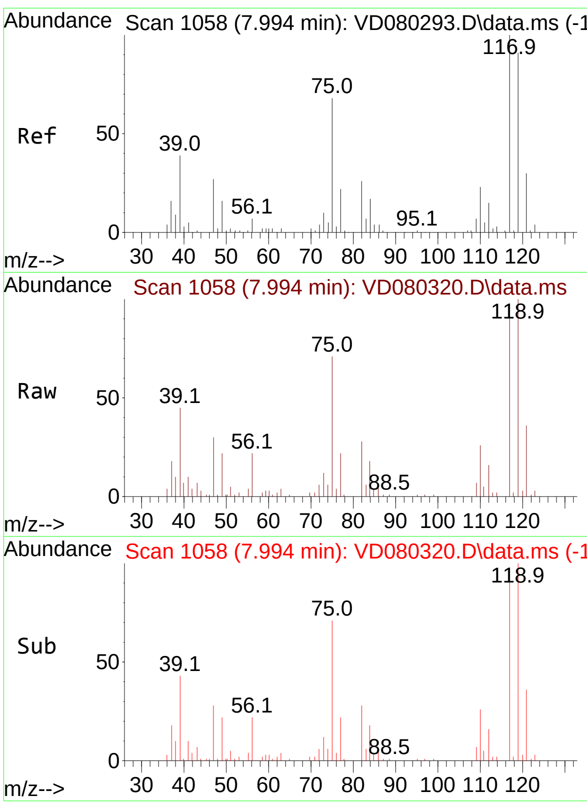
Tgt Ion: 43 Resp: 1774

Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.0	16.4
70	12.4	9.4	14.2

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

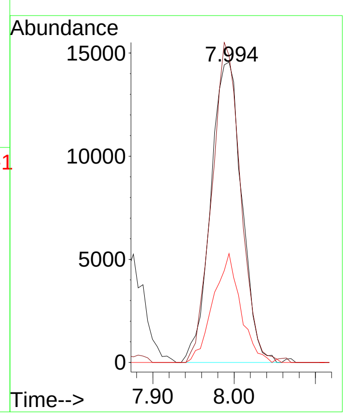


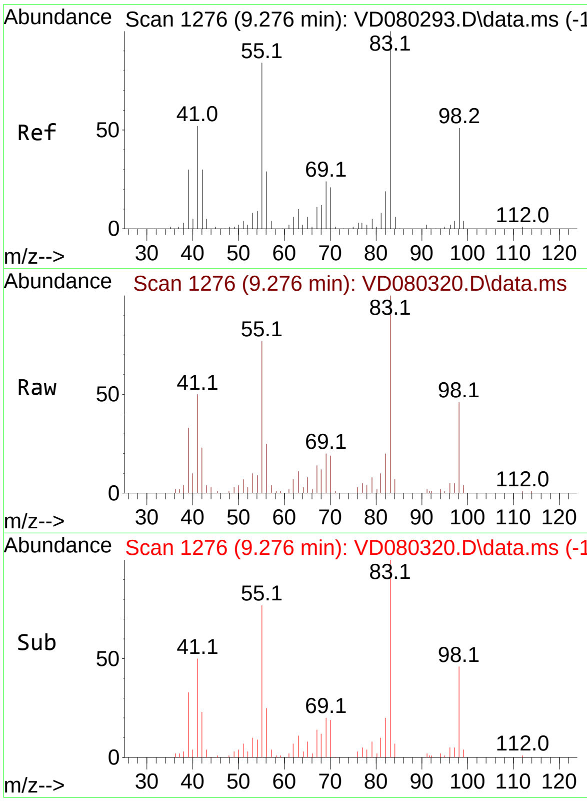


#38
Carbon Tetrachloride
Concen: 21.155 ug/l
RT: 7.994 min Scan# 1058
Delta R.T. 0.007 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:117 Resp: 38773

Ion	Ratio	Lower	Upper
117	100		
119	102.3	73.4	110.0
121	36.3	24.5	36.7





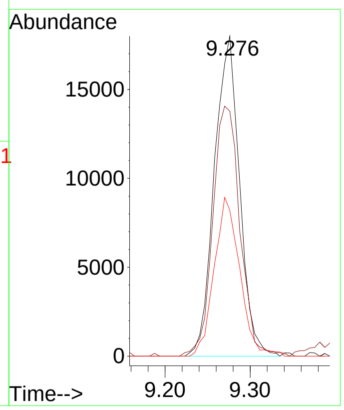
#39
Methylcyclohexane
Concen: 18.225 ug/l
RT: 9.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

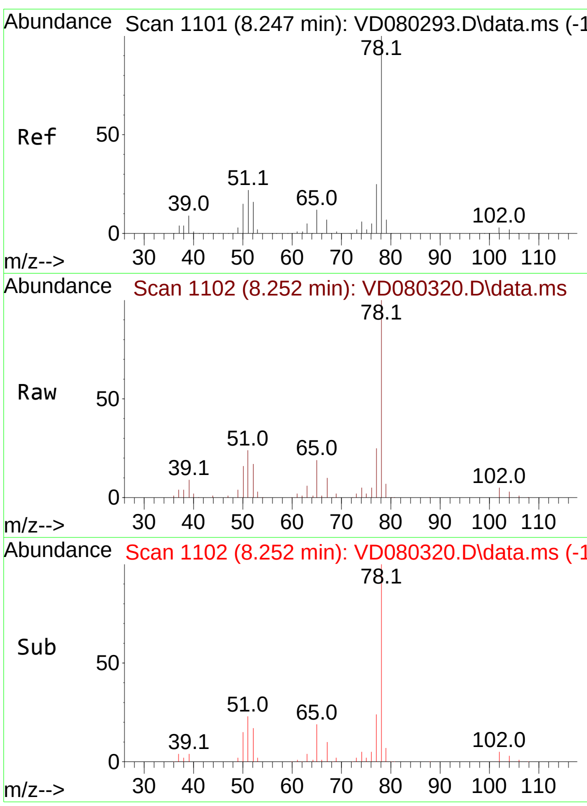
Tgt Ion: 83 Resp: 3716

Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.0	93.0
98	45.6	38.7	58.1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

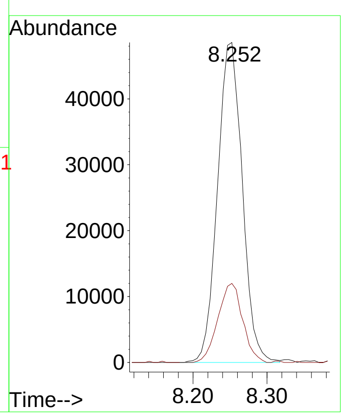




#40
Benzene
Concen: 20.500 ug/l
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 78 Resp: 112886

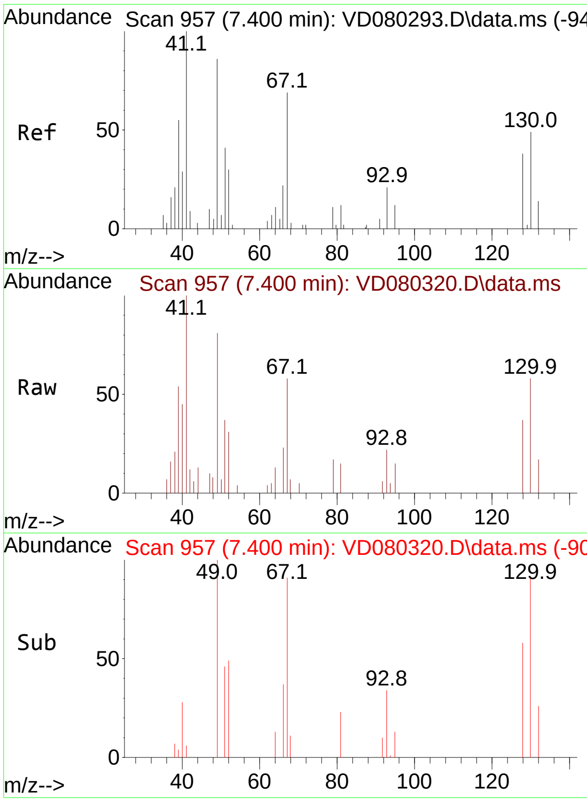
Ion	Ratio	Lower	Upper
78	100		
77	24.7	20.2	30.4



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

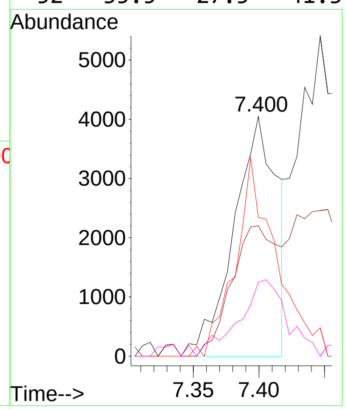
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

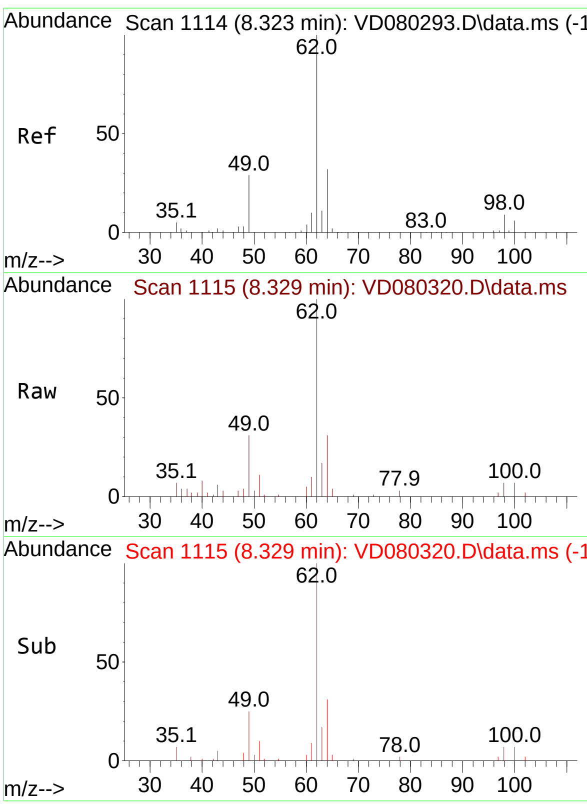


#41
Methacrylonitrile
Concen: 18.157 ug/l
RT: 7.400 min Scan# 9!
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 41 Resp: 923

Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.8	71.8
67	78.8	64.9	97.3
52	35.5	27.5	41.3

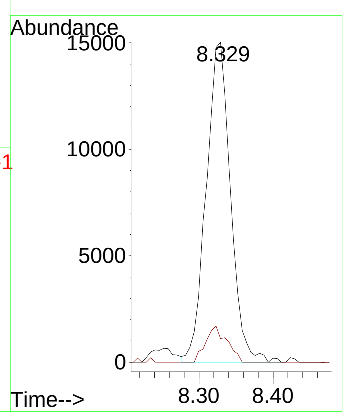




#42
1,2-Dichloroethane
Concen: 21.561 ug/l
RT: 8.329 min Scan# 1115
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 62 Resp: 34403

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8

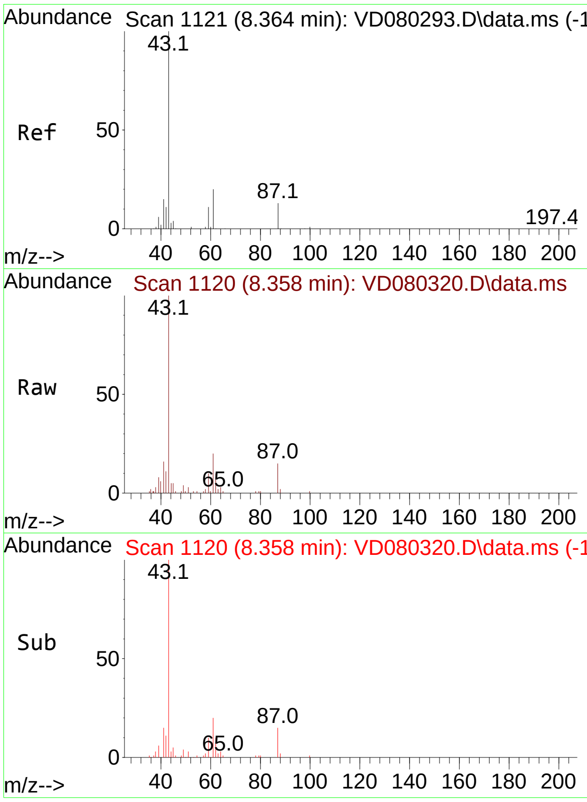


Sample Results: **VD080320.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

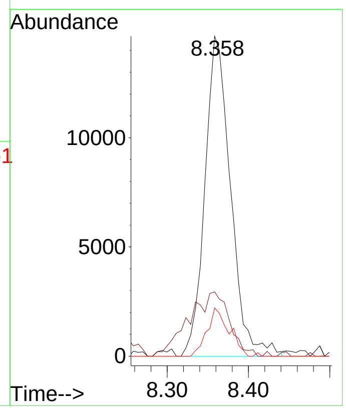
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

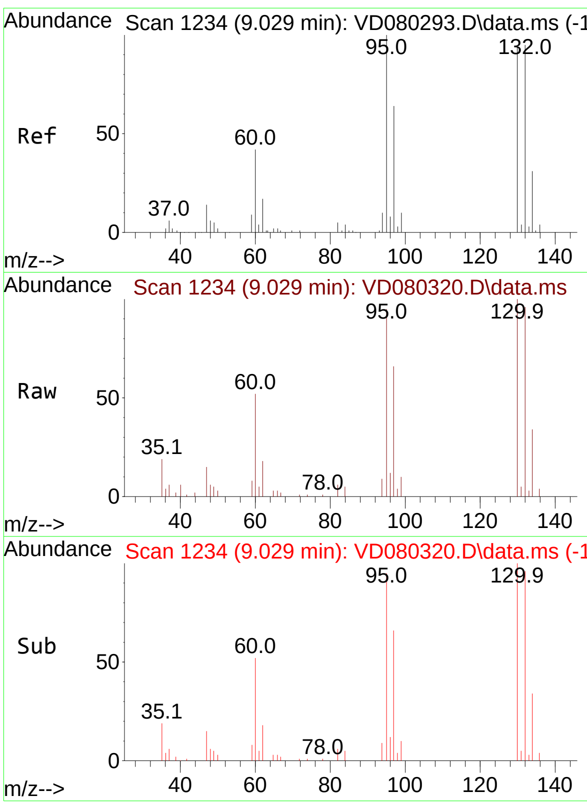


#43
Isopropyl Acetate
Concen: 19.344 ug/l
RT: 8.358 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 43 Resp: 3223

Ion	Ratio	Lower	Upper
43	100		
61	31.9	26.2	39.2
87	12.9	11.8	17.8

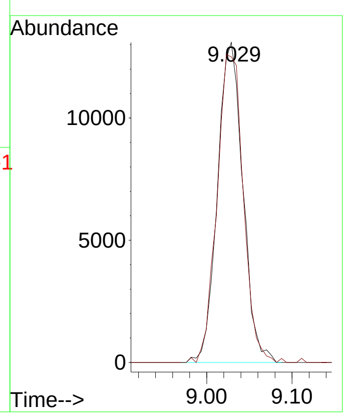


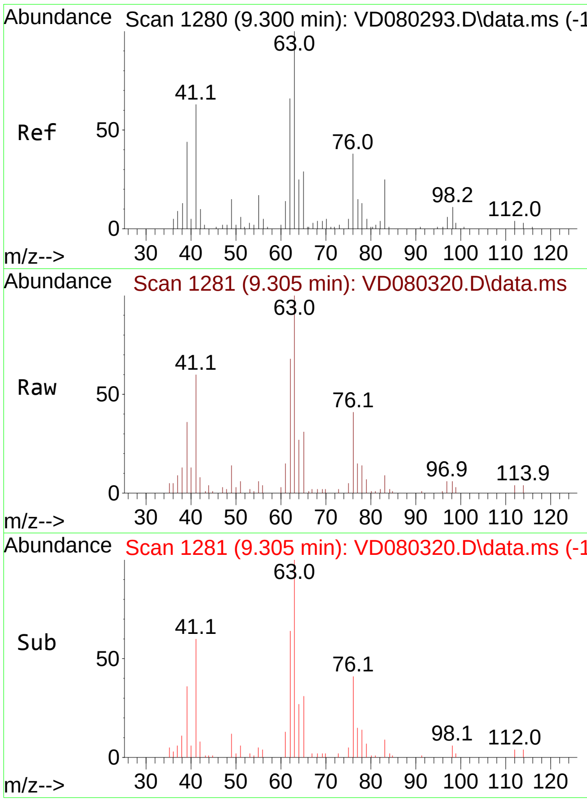


#44
Trichloroethene
Concen: 21.232 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:130 Resp: 27140

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	194.6





#45
1,2-Dichloropropane
Concen: 21.409 ug/l
RT: 9.305 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tgt Ion: 63 Resp: 3023

Ion	Ratio	Lower	Upper
63	100		
65	30.5	26.2	39.4

Manual Integrations
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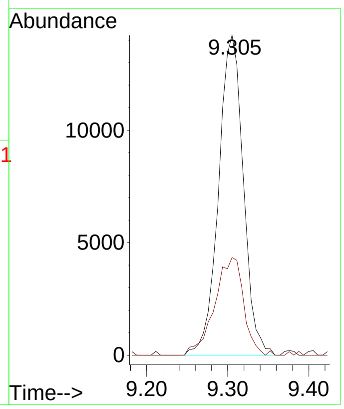
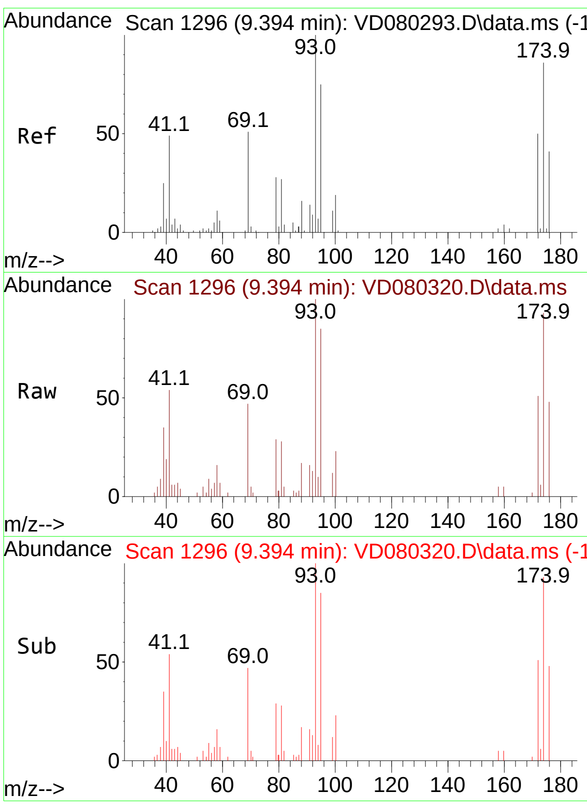
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

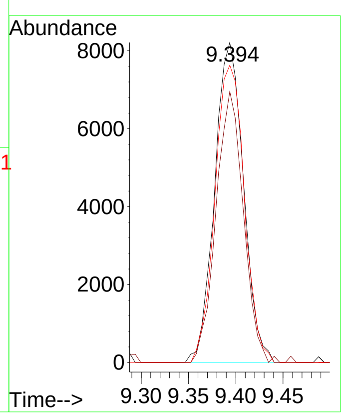


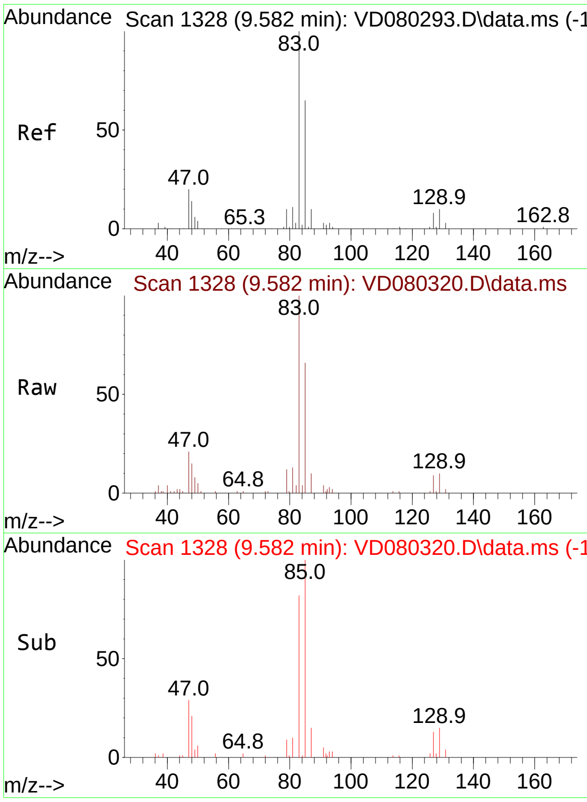


#46
Dibromomethane
Concen: 22.706 ug/l
RT: 9.394 min   Scan# 1296
Delta R.T.   0.001 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 93 Resp: 17459

Ion	Ratio	Lower	Upper
93	100		
95	80.6	67.9	101.9
174	94.8	80.5	120.7

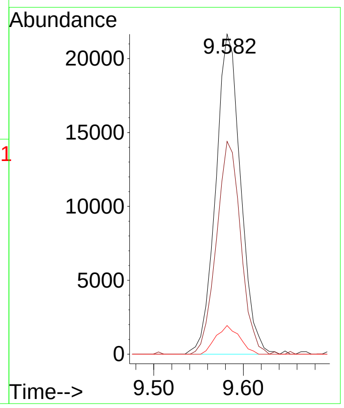




#47
Bromodichloromethane
Concen: 21.441 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 83 Resp: 4184

Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.6	75.8
127	9.0	6.1	9.1



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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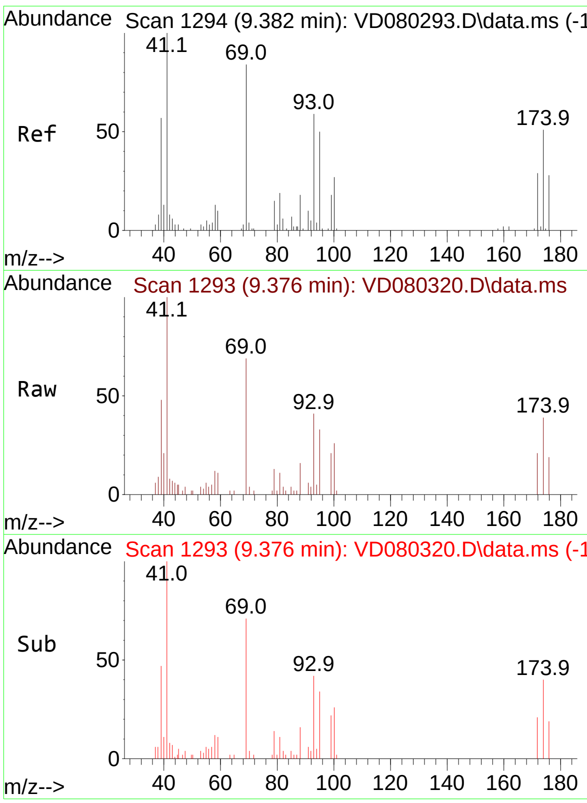
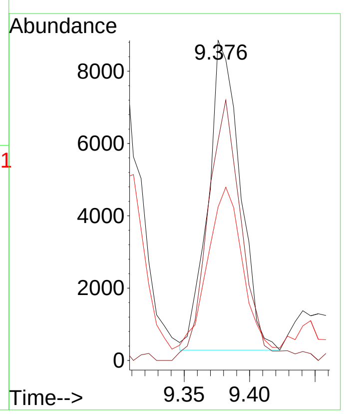
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



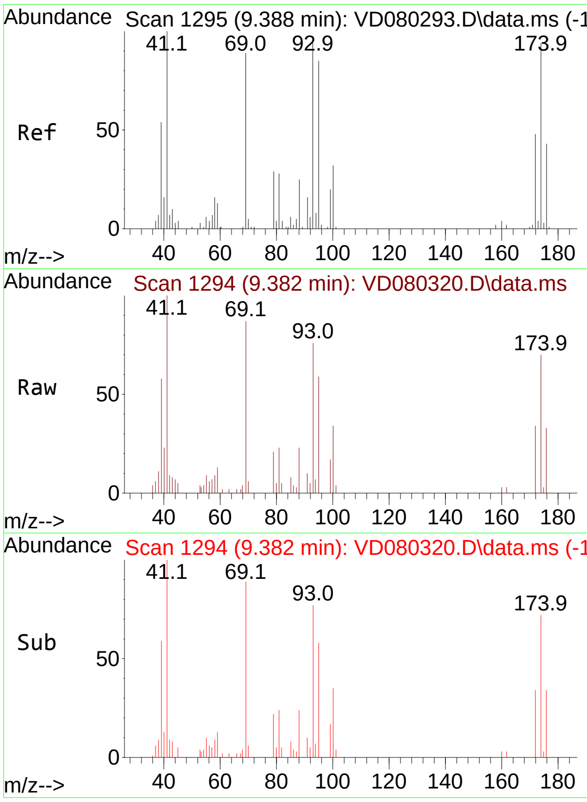
#48
Methyl methacrylate
Concen: 18.325 ug/l
RT: 9.376 min Scan# 1293
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 41 Resp: 14510

Ion	Ratio	Lower	Upper
41	100		
69	90.7	74.0	111.0
39	58.2	41.9	62.9



Sample Results: **VD080320.D**



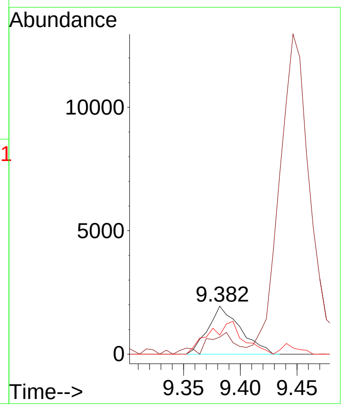
#49
1,4-Dioxane
Concen: 424.539 ug/l
RT: 9.382 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

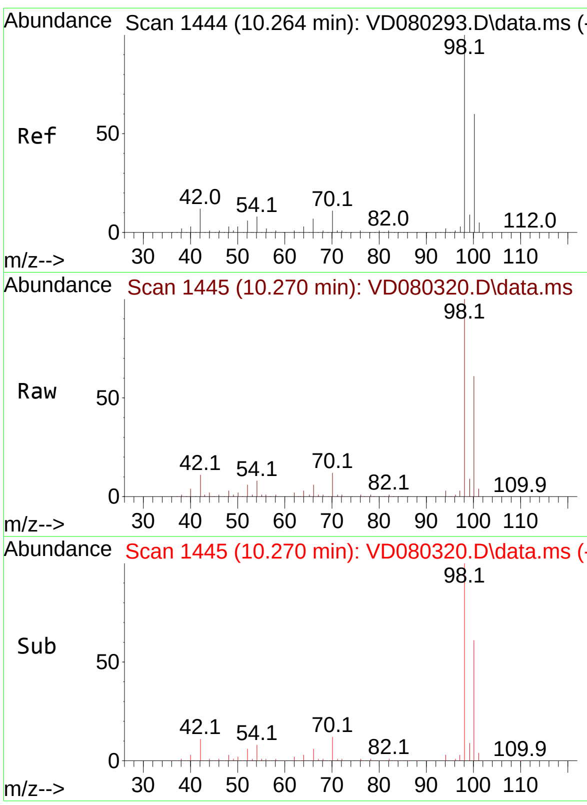
Tgt Ion: 88 Resp: 3881

Ion	Ratio	Lower	Upper
88	100		
43	40.5	29.1	43.7
58	72.5	59.9	89.9

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

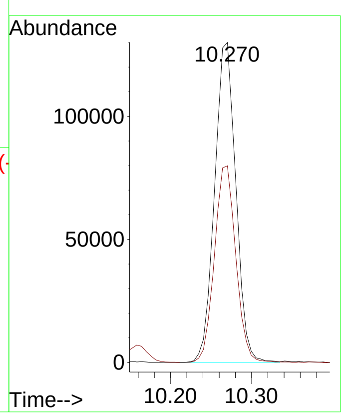




#50
Toluene-d8
Concen: 51.165 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 98 Resp: 237057

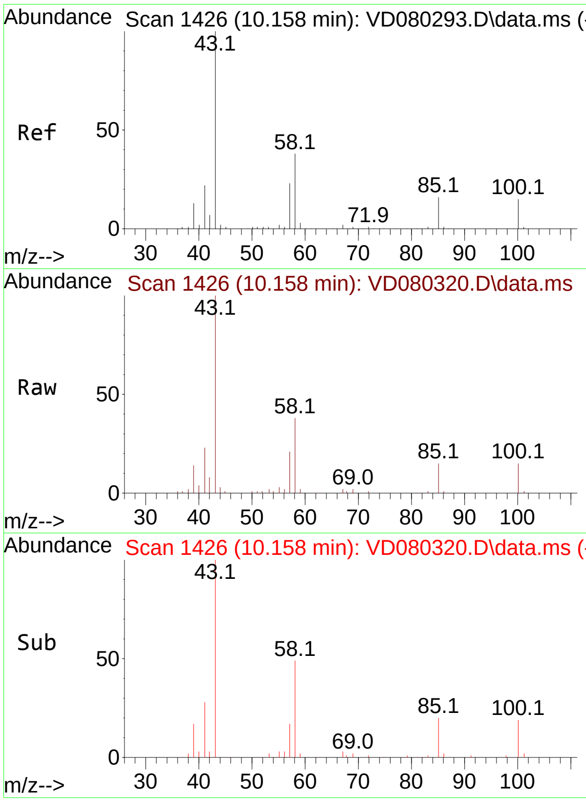
Ion	Ratio	Lower	Upper
98	100		
100	61.9	50.2	75.4



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

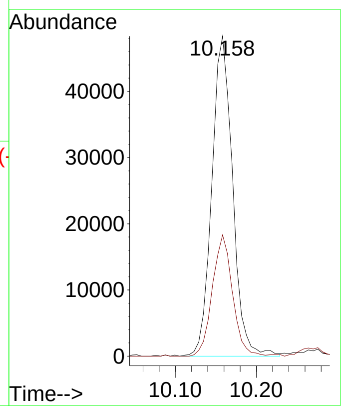
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

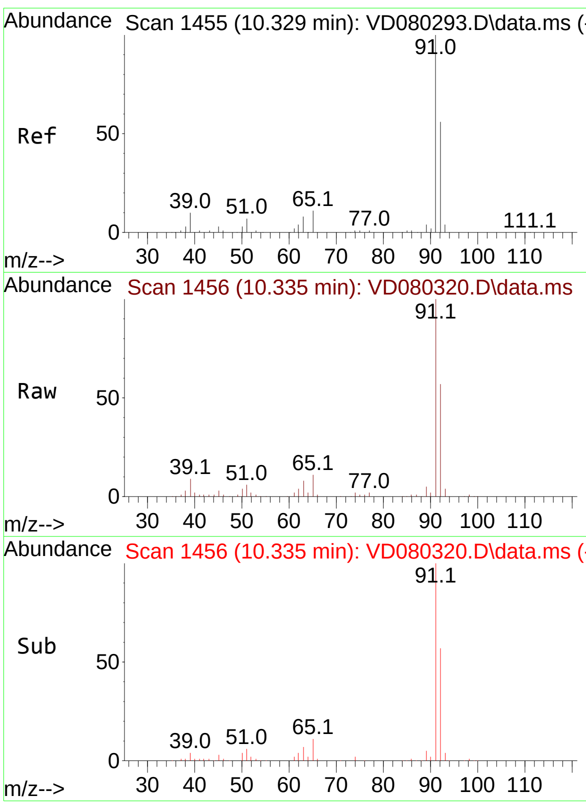


#51
4-Methyl-2-Pentanone
Concen: 100.614 ug/l
RT: 10.158 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 43 Resp: 8639

Ion	Ratio	Lower	Upper
43	100		
58	36.6	32.8	49.2

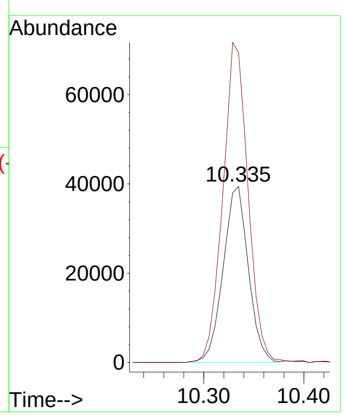


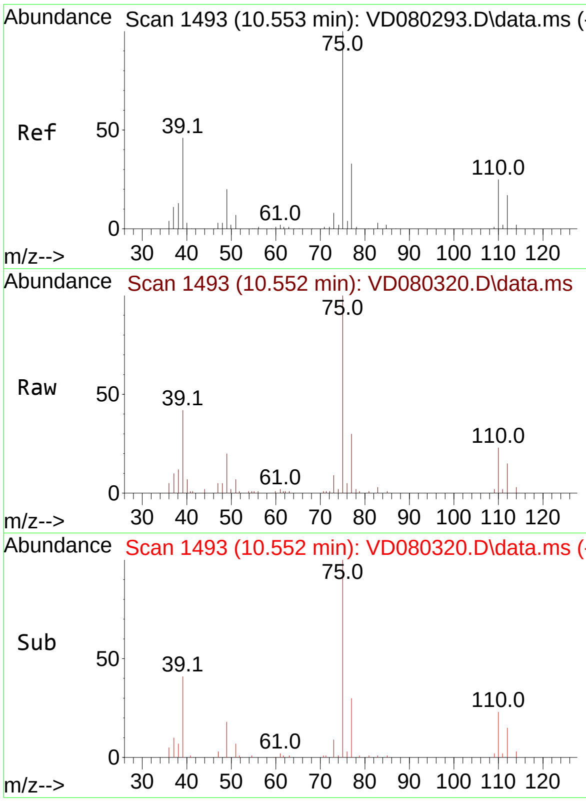


#52
Toluene
Concen: 20.812 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 92 Resp: 69044

Ion	Ratio	Lower	Upper
92	100		
91	181.9	139.3	208.9

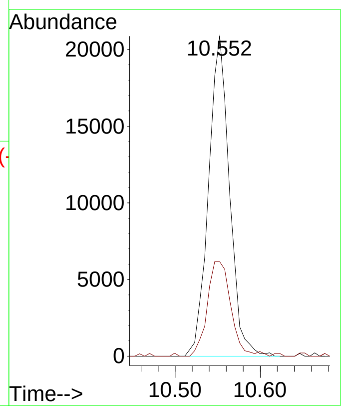




#53
t-1,3-Dichloropropene
Concen: 20.100 ug/l
RT: 10.552 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 75 Resp: 3576

Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.1	36.1



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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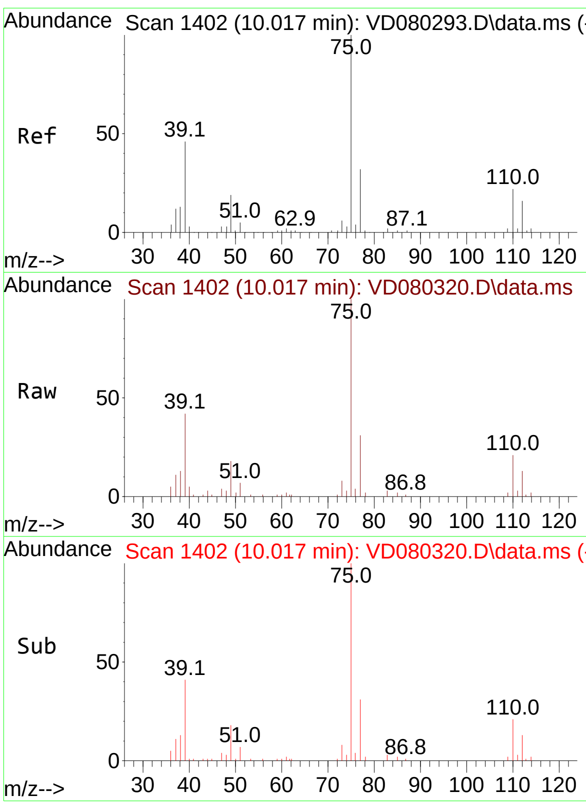
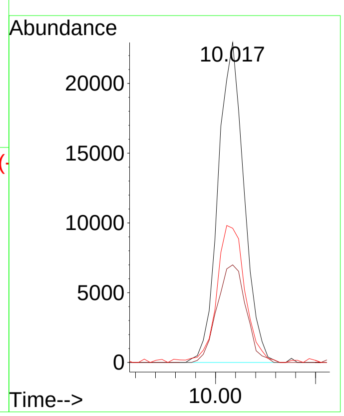
Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025



#54
cis-1,3-Dichloropropene
Concen: 20.022 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 75 Resp: 41281

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4
39	42.0	33.2	49.8



Sample Results: **VD080320.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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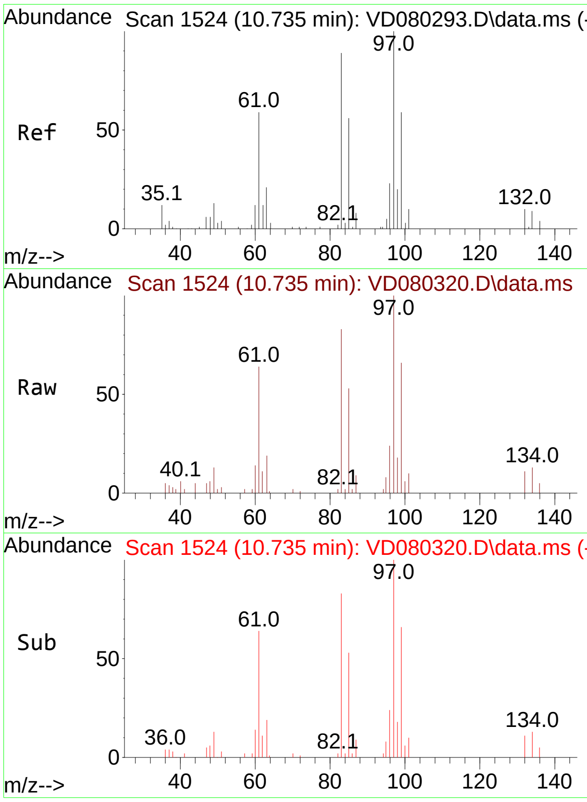
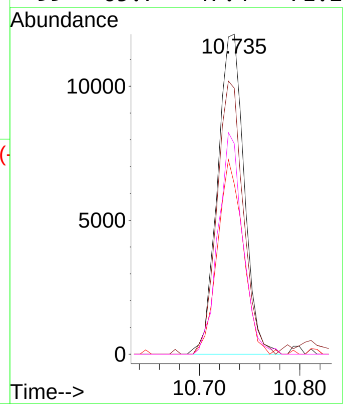
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

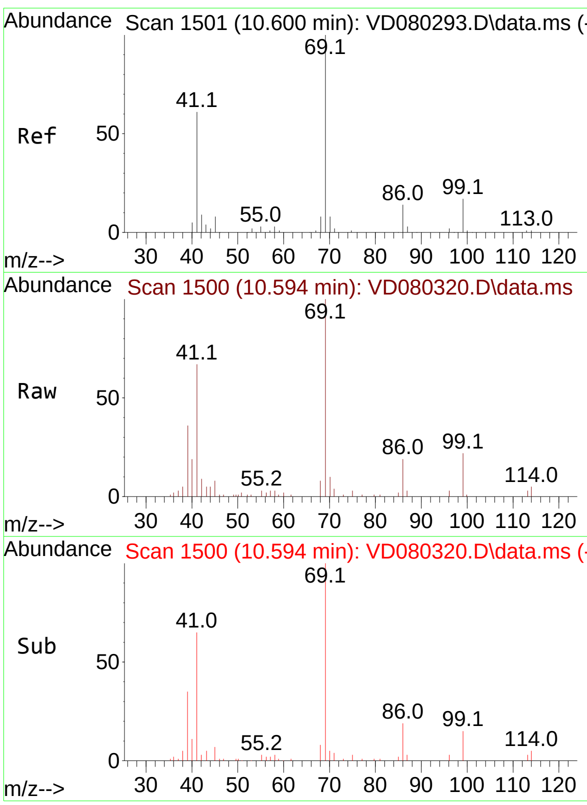


#55
1,1,2-Trichloroethane
Concen: 21.658 ug/l
RT: 10.735 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 97 Resp: 2202

Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.2	103.8
85	53.1	43.0	64.6
99	65.7	47.4	71.2

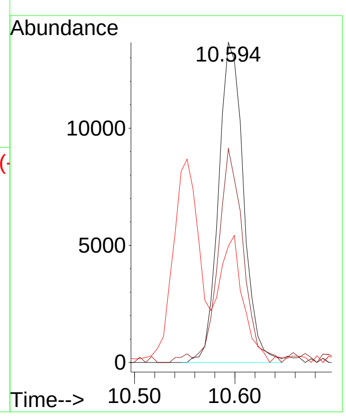




#56
Ethyl methacrylate
Concen: 19.239 ug/l
RT: 10.594 min Scan# 1500
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 69 Resp: 23711

Ion	Ratio	Lower	Upper
69	100		
41	67.3	50.4	75.6
39	36.8	26.0	39.0



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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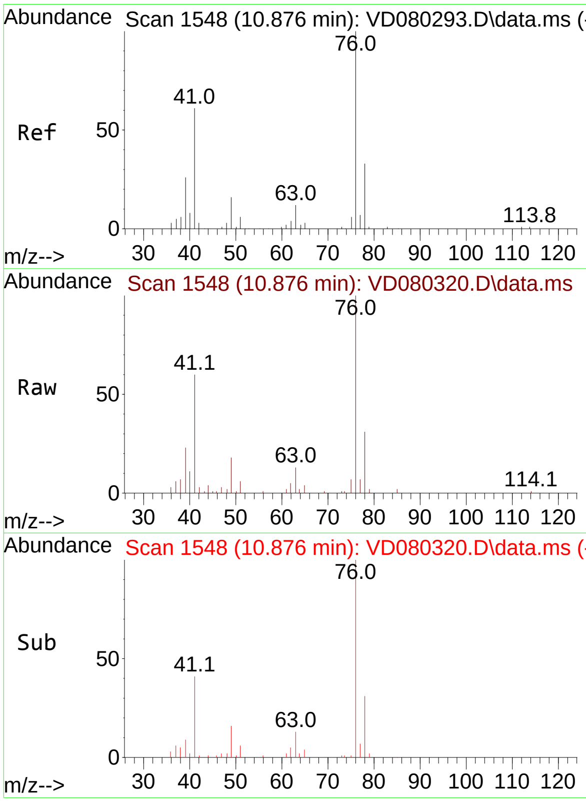
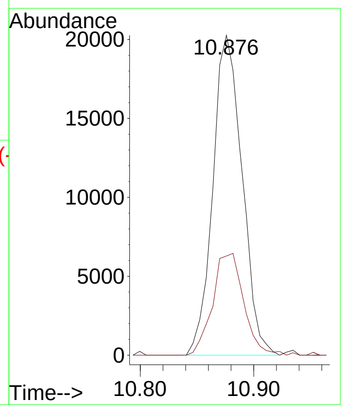
Supervised By :Semsettin Yesilyurt 05/15/2025

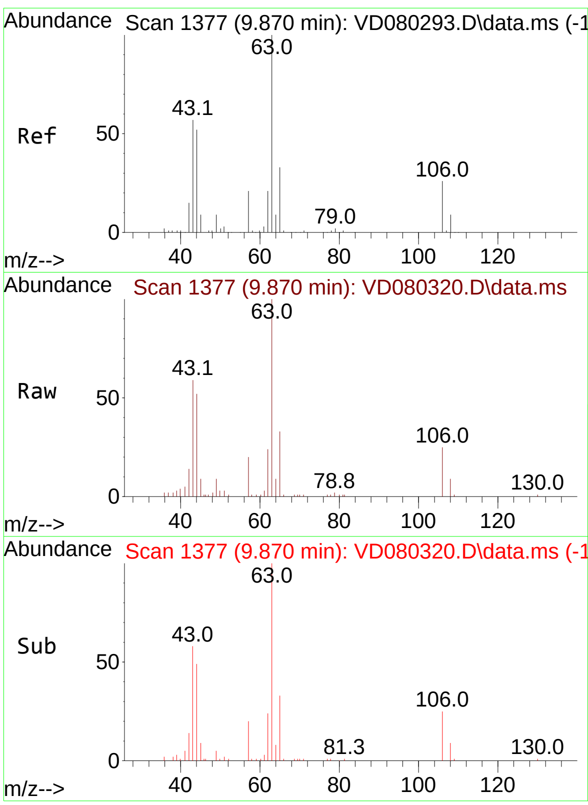


#57
1,3-Dichloropropane
Concen: 21.477 ug/l
RT: 10.876 min Scan# 15
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 76 Resp: 3630

Ion	Ratio	Lower	Upper
76	100		
78	34.0	25.4	38.2

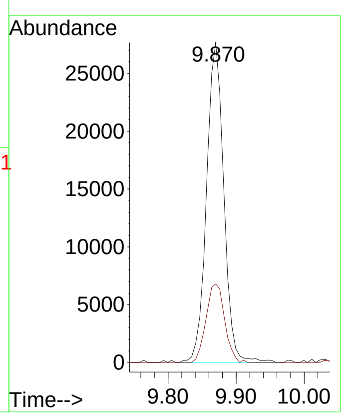


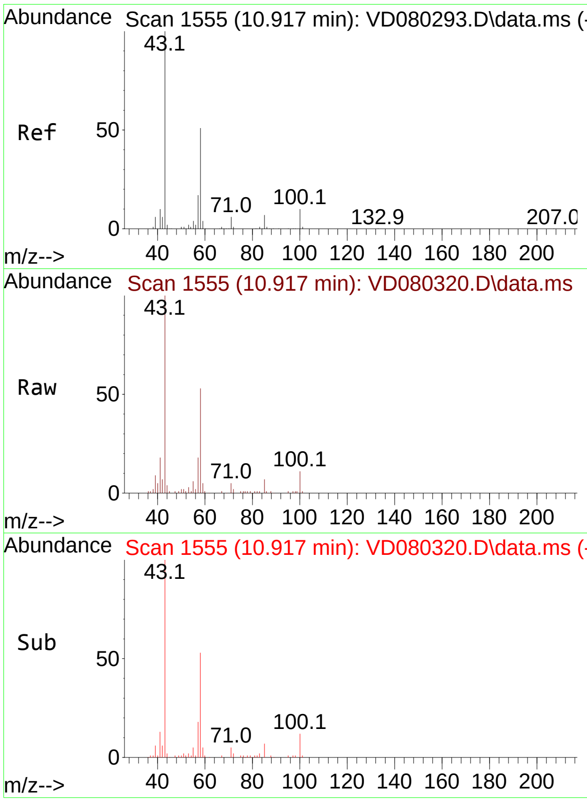


#58
2-Chloroethyl Vinyl ether
Concen: 97.071 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 63 Resp: 48960

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.8	32.6





#59
2-Hexanone
Concen: 96.363 ug/l
RT: 10.917 min Scan# 1!
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 43 Resp: 5691

Ion	Ratio	Lower	Upper
43	100		
58	53.0	27.8	83.4

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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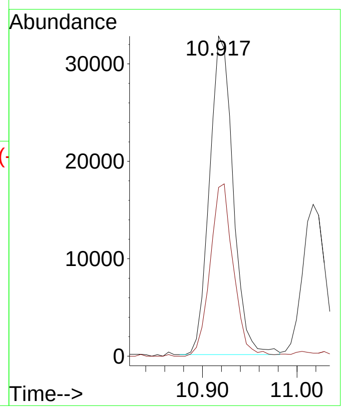
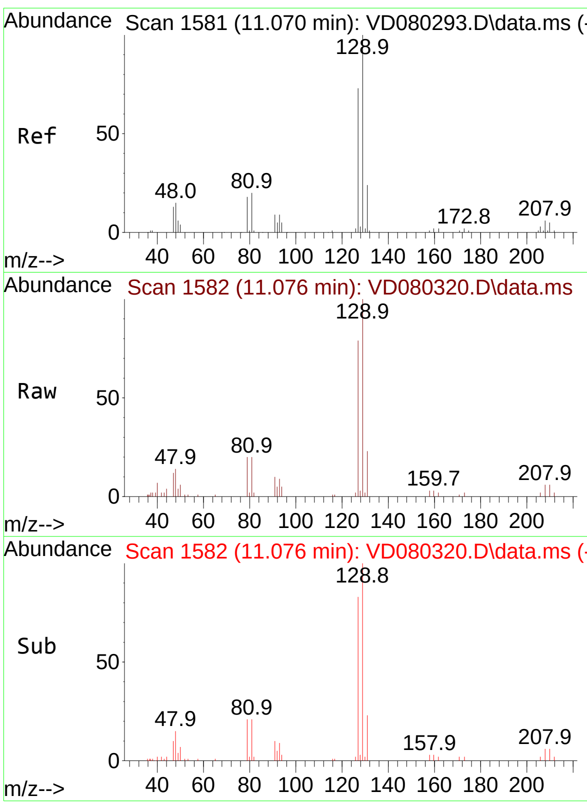
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

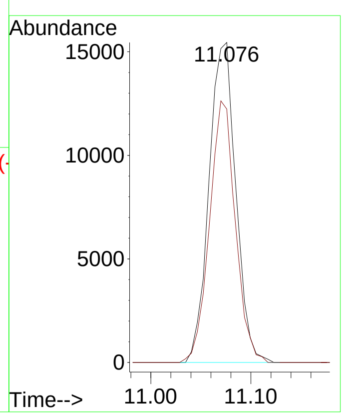


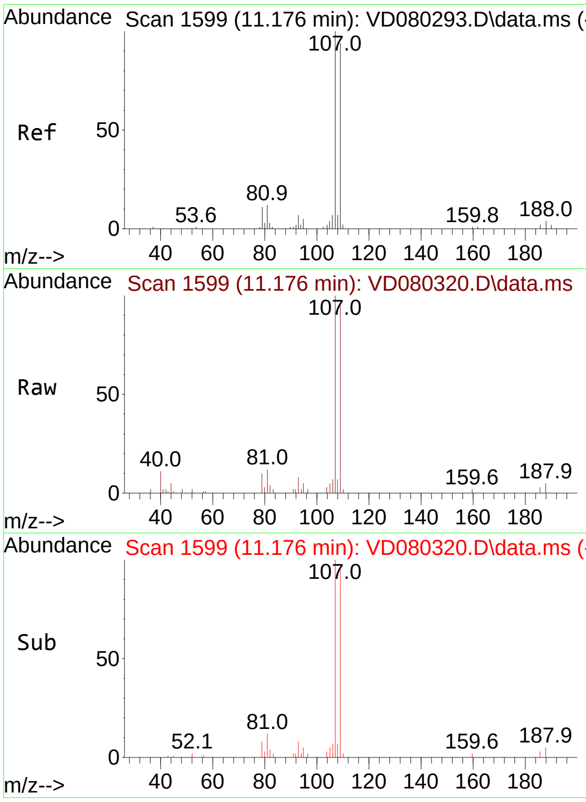


#60
Dibromochloromethane
Concen: 22.573 ug/l
RT: 11.076 min Scan# 1582
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:129 Resp: 28772

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.4	115.2





#61
1,2-Dibromoethane
Concen: 21.273 ug/l
RT: 11.176 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tgt Ion:107 Resp: 2006

Ion	Ratio	Lower	Upper
107	100		
109	95.1	73.9	110.9

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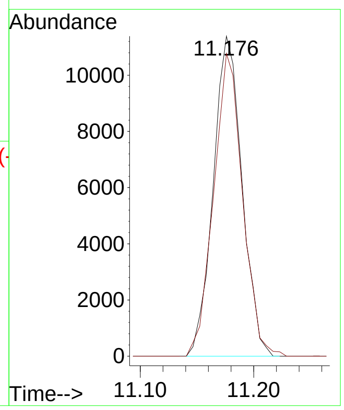
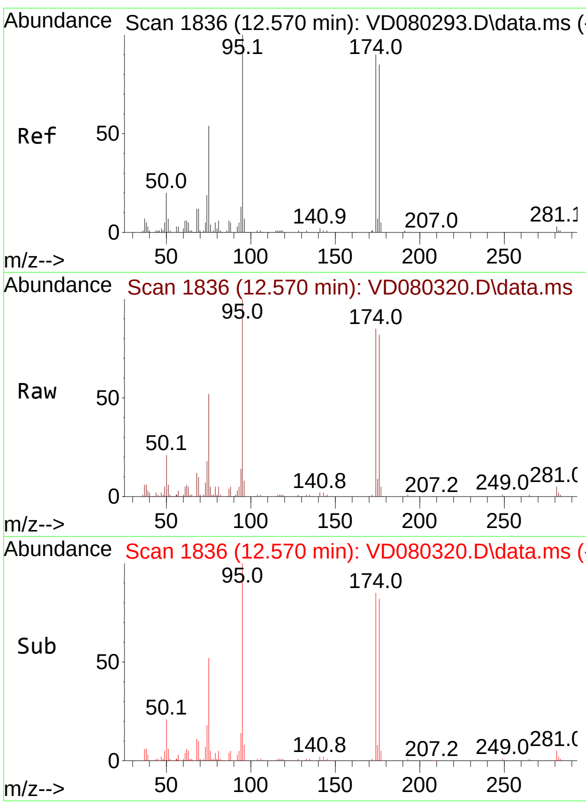
Supervised By :Semsettin Yesilyurt 05/15/2025

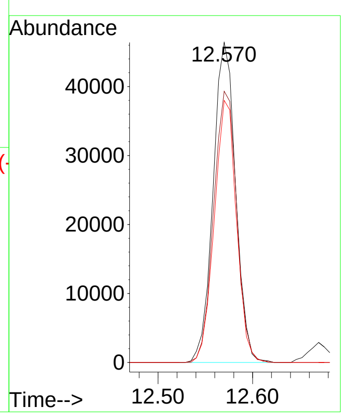




#62
4-Bromofluorobenzene
Concen: 51.564 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 95 Resp: 76682

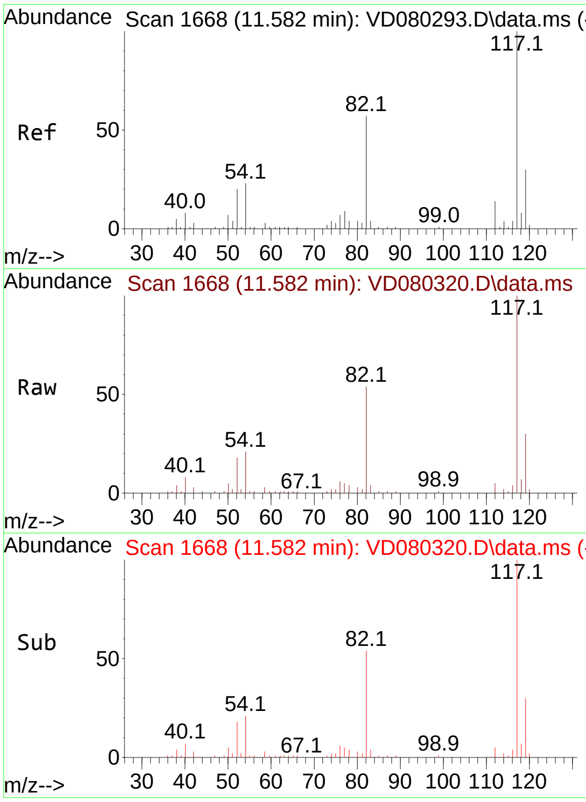
Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	173.4
176	80.8	0.0	166.6



Sample Results: **VD080320.D**

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

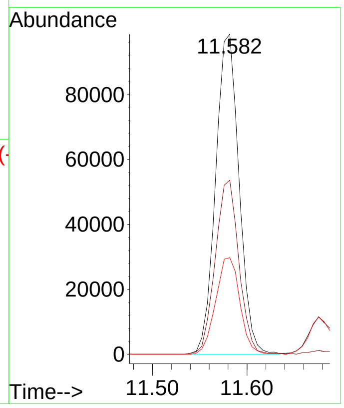
Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

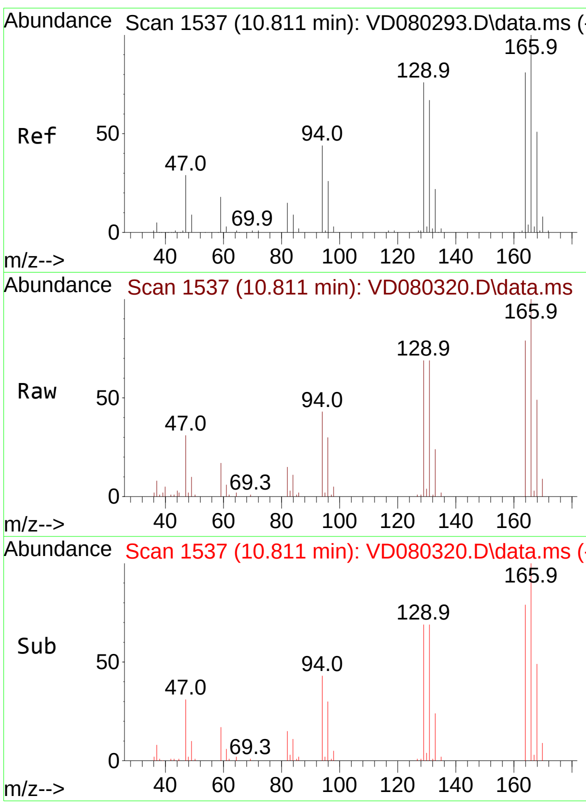


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:117 Resp: 17013

Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.8	68.6
119	30.1	26.2	39.2

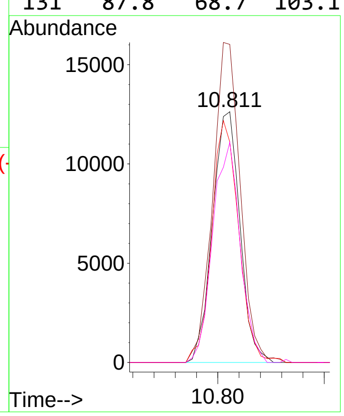


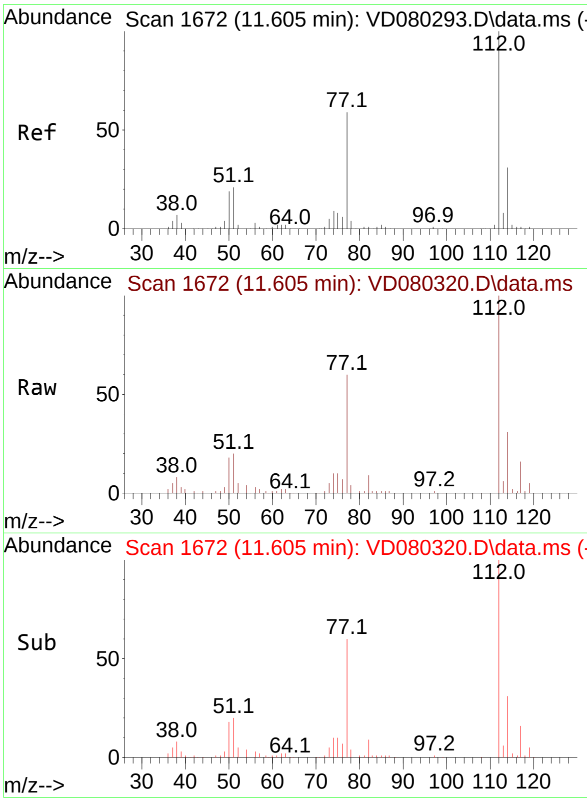


#64
Tetrachloroethene
Concen: 19.638 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:164 Resp: 22626

Ion	Ratio	Lower	Upper
164	100		
166	126.8	97.5	146.3
129	87.9	70.6	106.0
131	87.8	68.7	103.1





#65
Chlorobenzene
Concen: 19.702 ug/l
RT: 11.605 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:112 Resp: 7569

Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.6	37.0

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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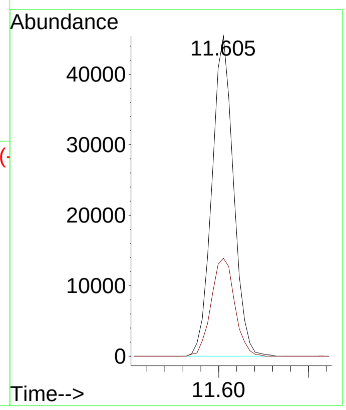
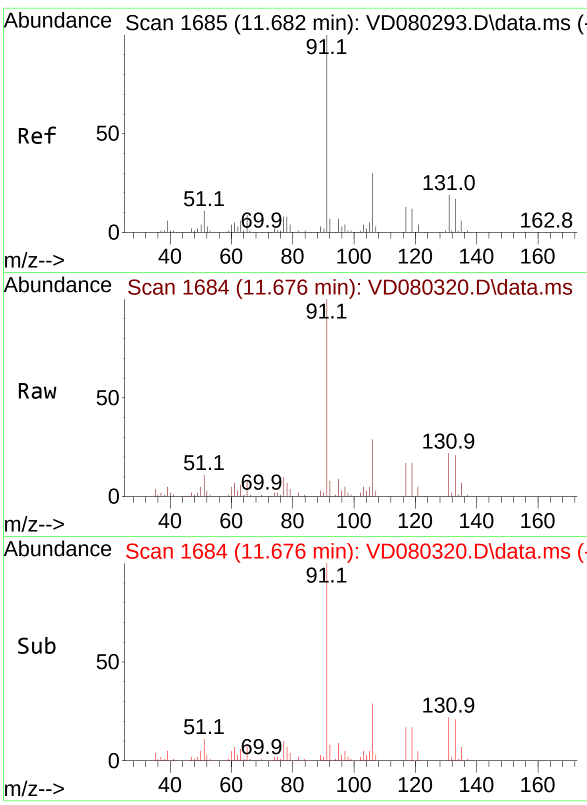
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

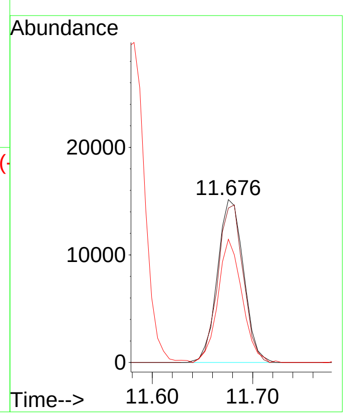


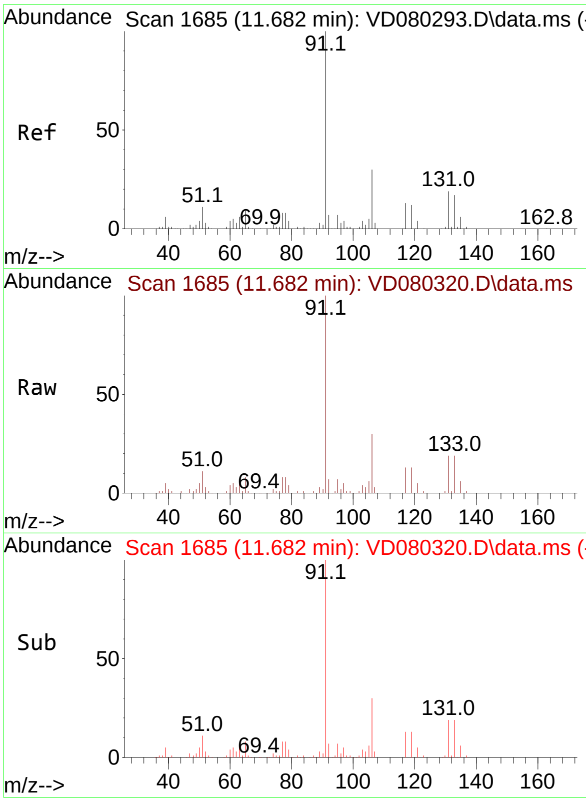


#66
1,1,1,2-Tetrachloroethane
Concen: 20.802 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:131 Resp: 27455

Ion	Ratio	Lower	Upper
131	100		
133	93.7	48.8	146.4
119	69.8	34.8	104.3





#67
Ethyl Benzene
Concen: 19.292 ug/l
RT: 11.682 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 91 Resp: 12385

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.6	35.4

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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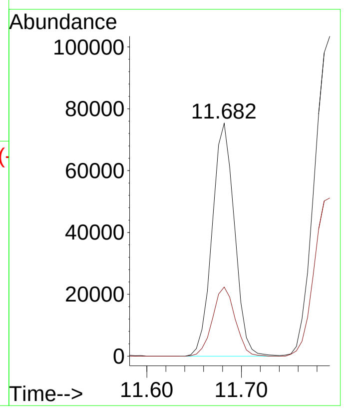
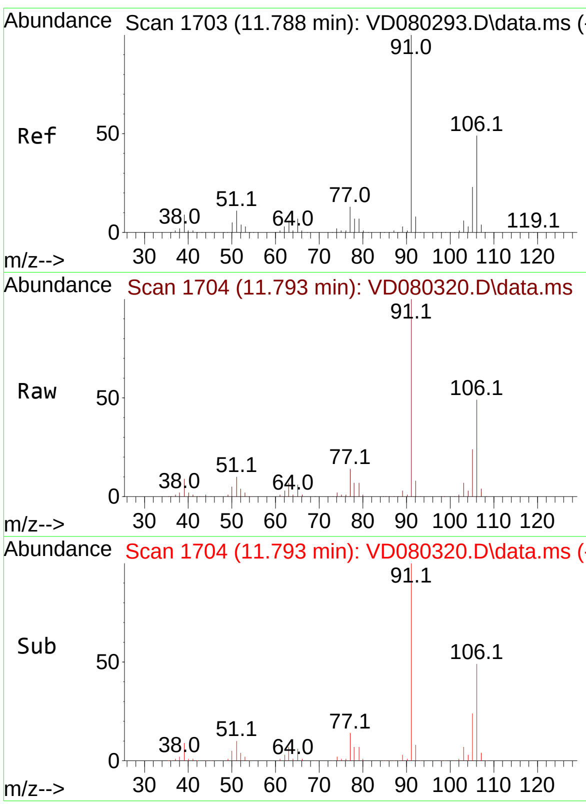
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

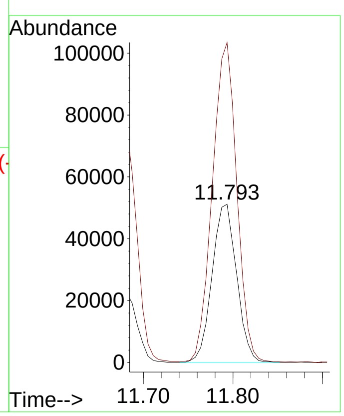




#68
m/p-Xylenes
Concen: 39.036 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:106 Resp: 97306

Ion	Ratio	Lower	Upper
106	100		
91	200.8	162.6	244.0



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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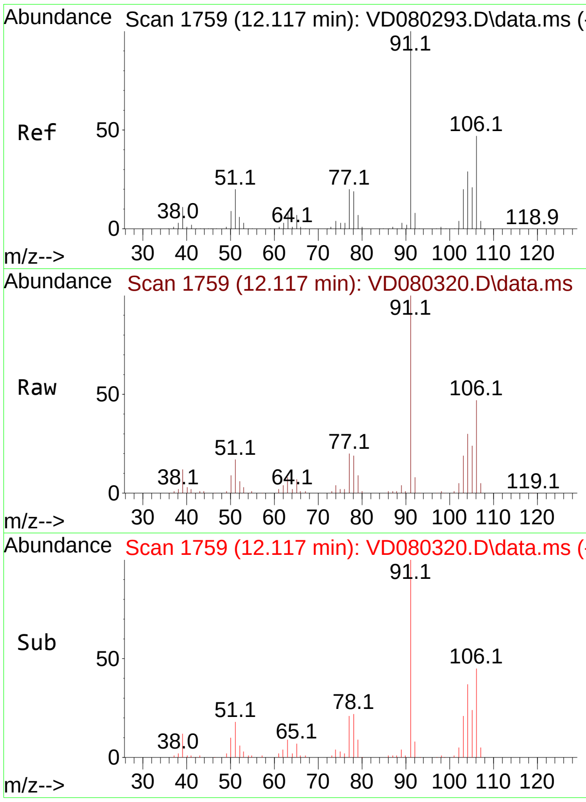
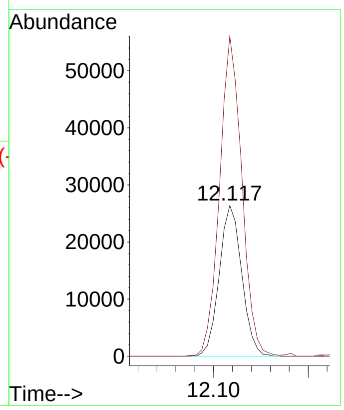
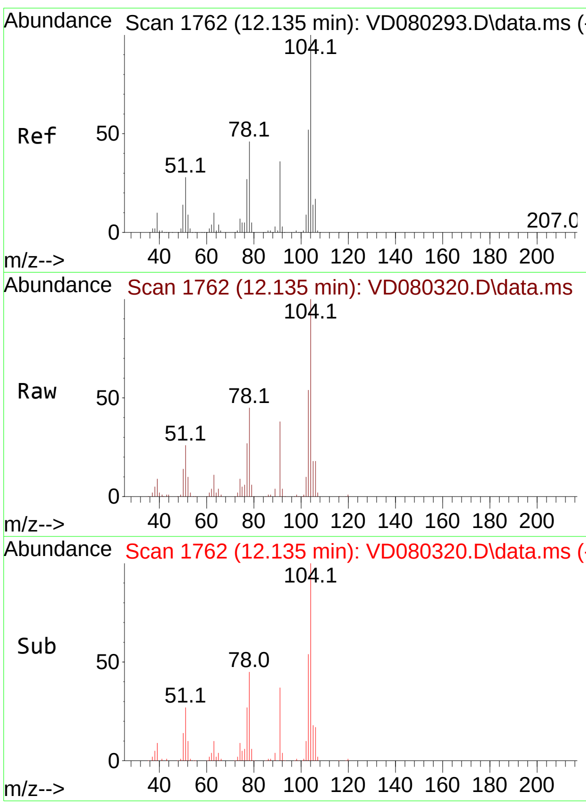



```
#69
o-Xylene
Concen:   19.190 ug/l
RT:  12.117 min   Scan# 1
Delta R.T.   0.001 min
Lab File:    VD080320.D
Acq: 14 May  2025   13:57

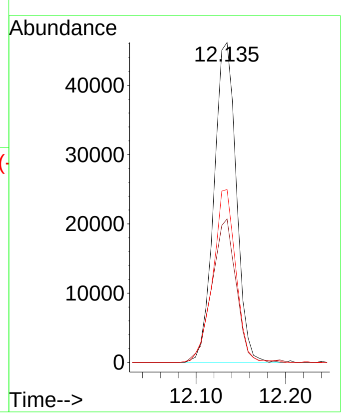
Tgt Ion:106 Resp:    4371
Ion   Ratio  Lower   Upper
106   100
 91   209.7  110.5   331.5
```






```
#70
Styrene
Concen:   19.569 ug/l
RT:  12.135 min   Scan# 1762
Delta R.T.   0.001 min
Lab File:    VD080320.D
Acq: 14 May  2025   13:57

Tgt Ion:104 Resp:    80039
Ion   Ratio  Lower   Upper
104   100
 78    48.4   39.8    59.8
103    55.7   45.2    67.8
```



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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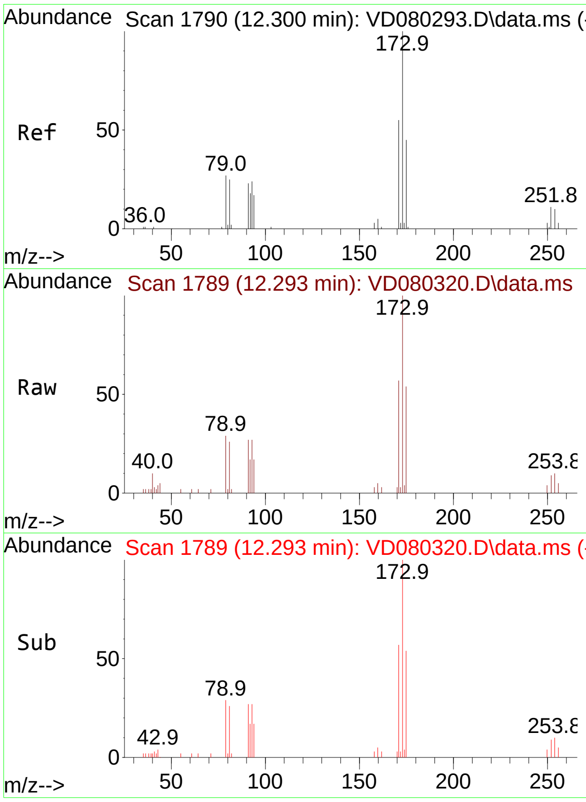
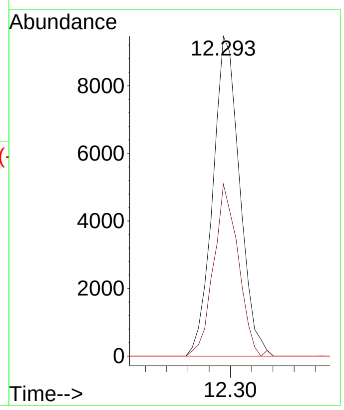
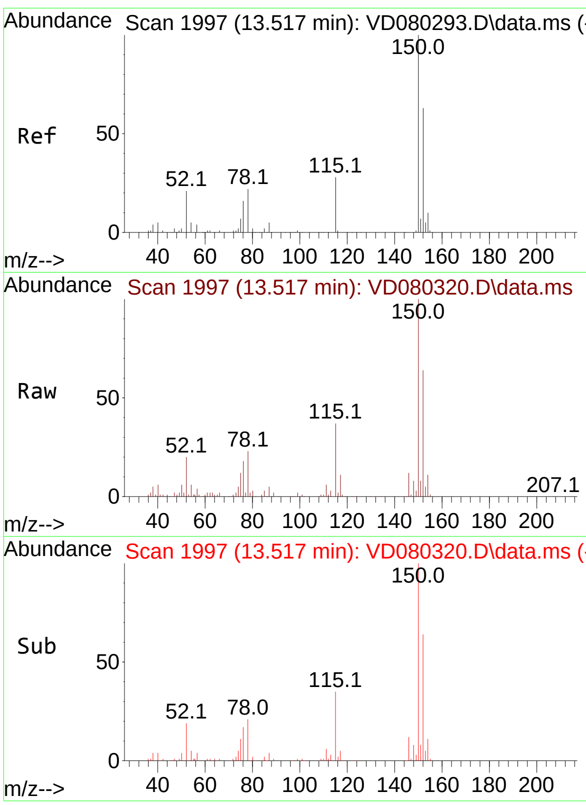



```
#71
Bromoform
Concen:   21.123 ug/l
RT:  12.293 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

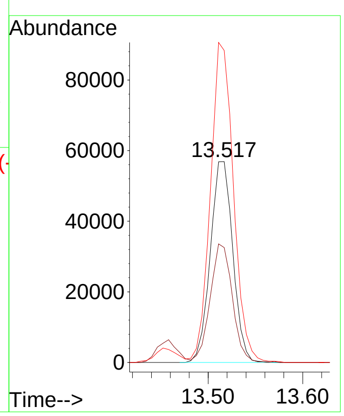
Tgt Ion:173 Resp:   1656
Ion  Ratio  Lower  Upper
173  100
175   49.5   24.8   74.3
254    0.0    0.0    0.0
```

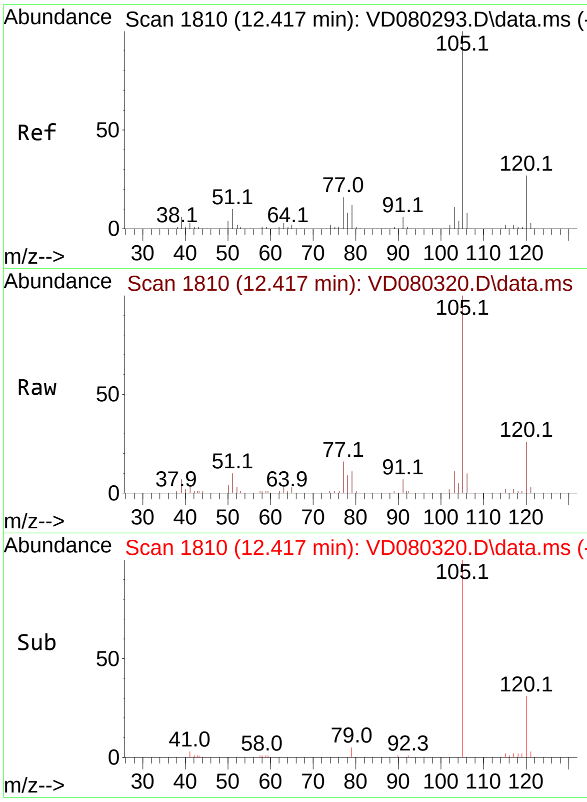





```
#72
1,4-Dichlorobenzene-d4
Concen:   50.000 ug/l
RT:  13.517 min  Scan# 1997
Delta R.T.  0.001 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

Tgt Ion:152 Resp:   94201
Ion  Ratio  Lower  Upper
152  100
115   57.9   28.9   86.8
150  163.1    0.0  354.8
```





#73
Isopropylbenzene
Concen: 17.957 ug/l
RT: 12.417 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

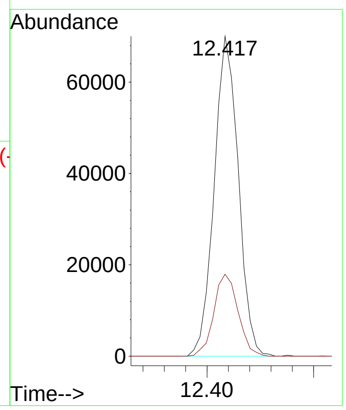
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

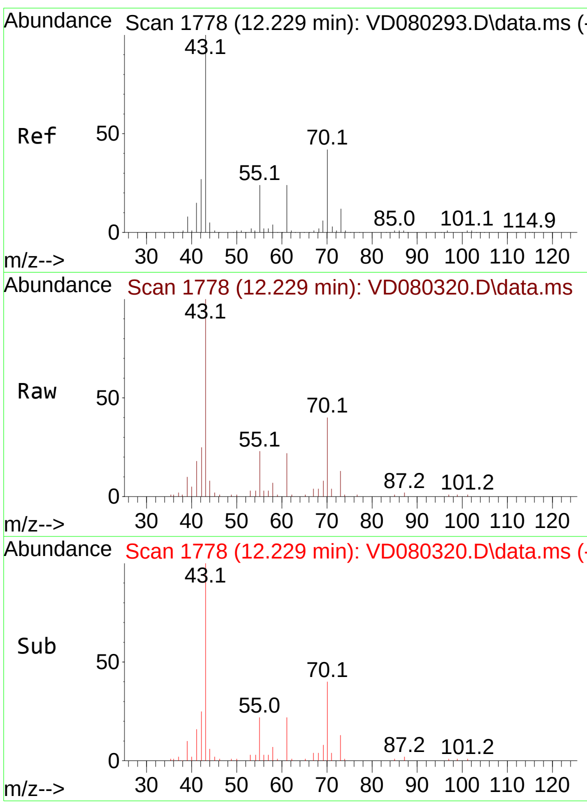
Tgt Ion:105 Resp: 10972

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.3	39.9

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

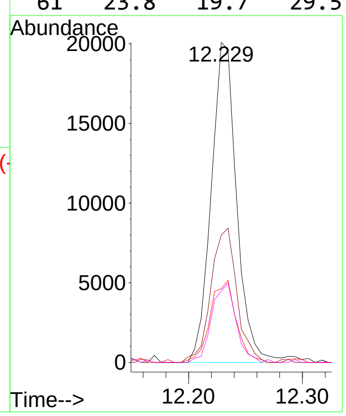




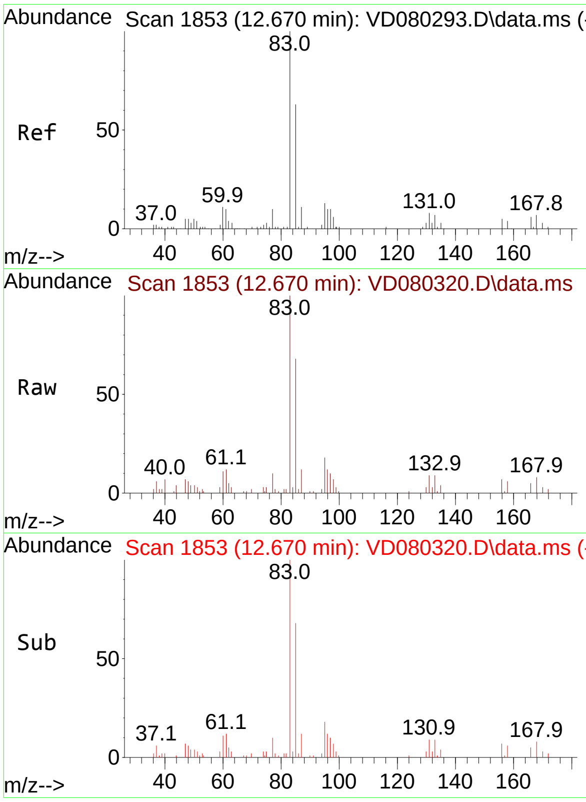
#74
N-amyl acetate
Concen: 17.772 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 43 Resp: 31168

Ion	Ratio	Lower	Upper
43	100		
70	42.9	36.3	54.5
55	26.3	20.3	30.5
61	23.8	19.7	29.5



Sample Results: **VD080320.D**



#75
1,1,2,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 12.670 min   Scan# 1
Delta R.T.   0.001 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

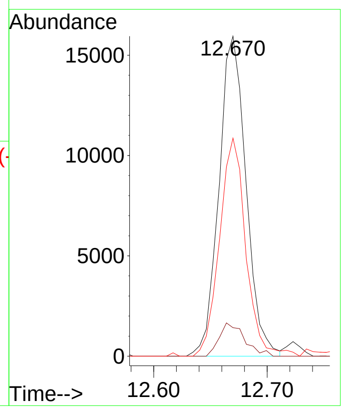
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

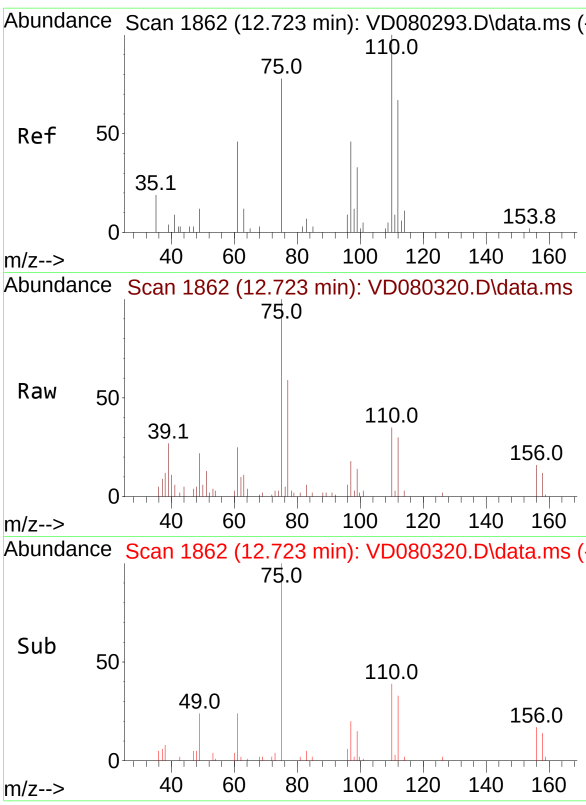
Tgt Ion: 83 Resp: 2651

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.3
85	66.1	32.9	98.6

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda   05/15/2025
Supervised By :Semsettin Yesilyurt   05/15/2025

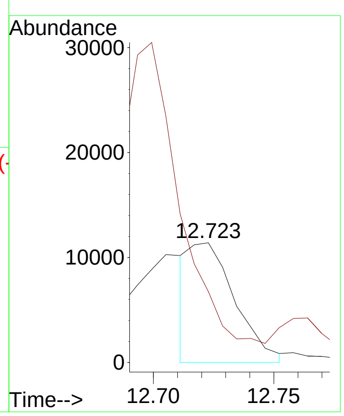




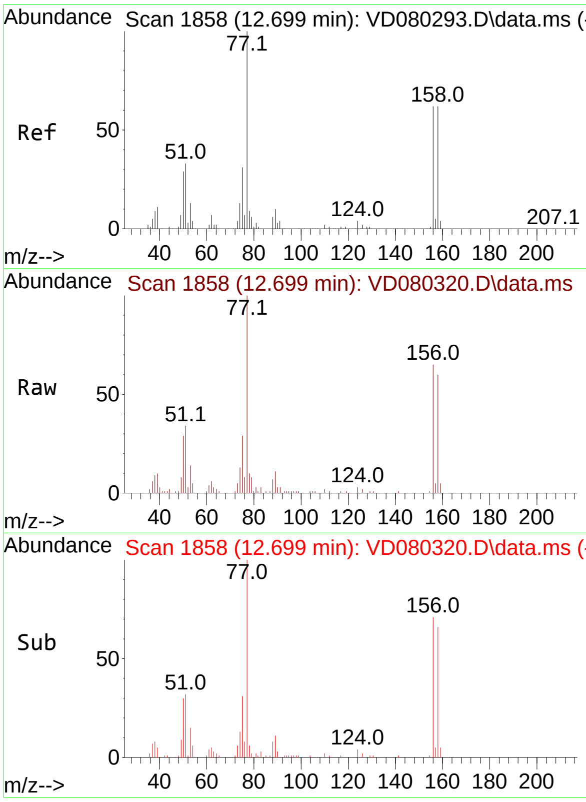
#76
1,2,3-Trichloropropane
Concen: 16.543 ug/l m
RT: 12.723 min   Scan# 1862
Delta R.T.   0.001 min
Lab File: VD080320.D
Acq: 14 May 2025   13:57

Tgt Ion: 75 Resp: 15040

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Sample Results: **VD080320.D**



#77
Bromobenzene
Concen: 20.347 ug/l
RT: 12.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tgt Ion:156 Resp: 3225

Ion	Ratio	Lower	Upper
156	100		
77	177.9	89.8	269.6
158	94.1	47.9	143.8

Manual Integrations
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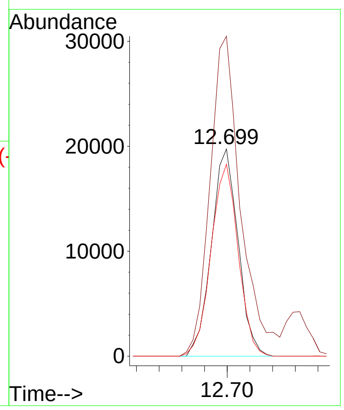
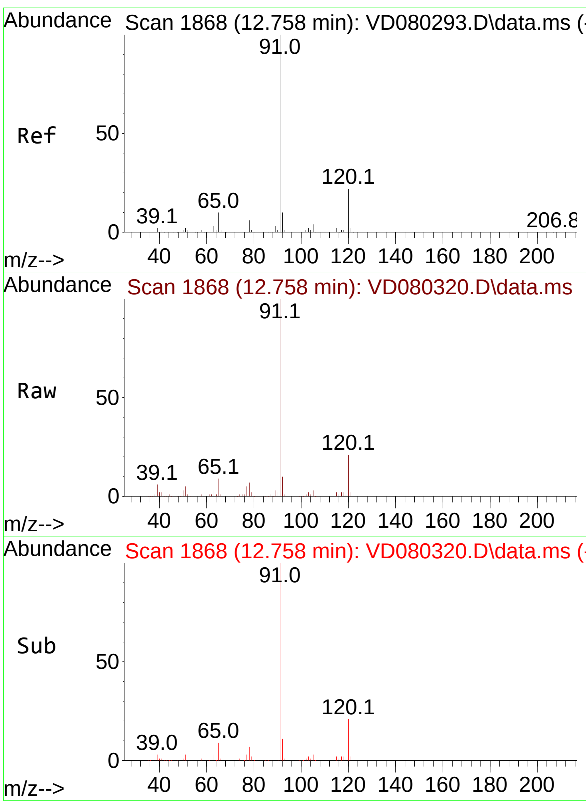
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

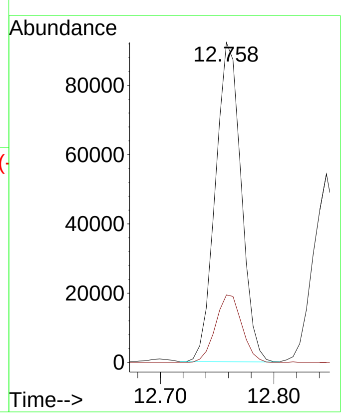




#78
n-propylbenzene
Concen: 19.002 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 91 Resp: 145714

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.5



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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Reviewed By :Mahesh Dadoda 05/15/2025
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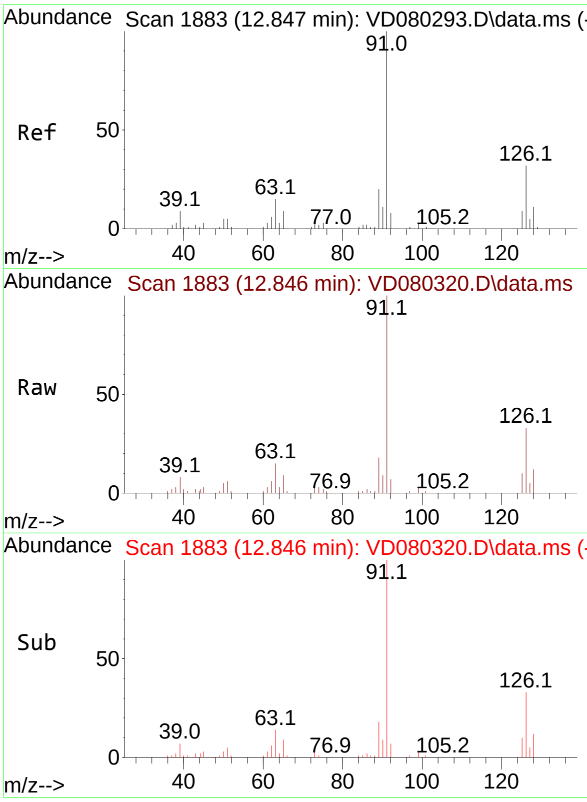
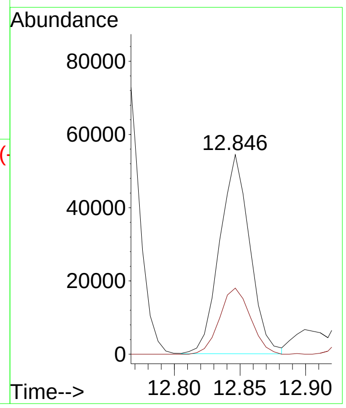
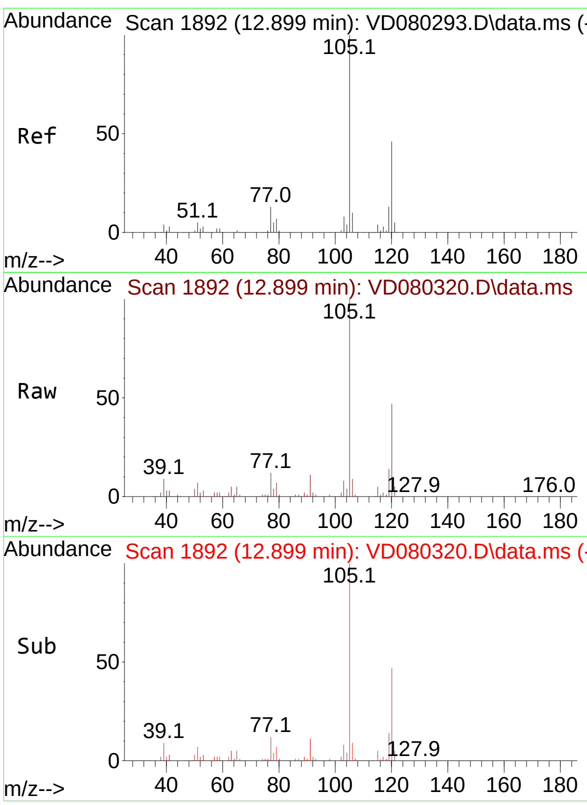



```
#79
2-Chlorotoluene
Concen:   19.468 ug/l
RT:  12.846 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

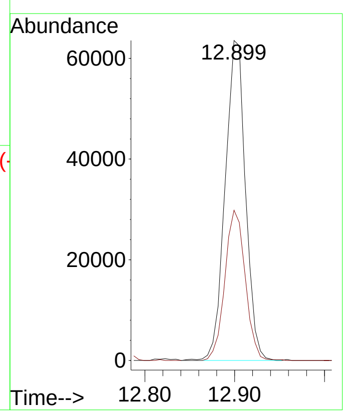
Tgt Ion: 91 Resp:  8683
Ion  Ratio  Lower  Upper
 91  100
126   33.9   17.2   51.5
```






```
#80
1,3,5-Trimethylbenzene
Concen:   19.207 ug/l
RT:  12.899 min  Scan# 1892
Delta R.T.  -0.005 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

Tgt Ion:105 Resp:  100106
Ion  Ratio  Lower  Upper
105  100
120   47.0   25.0   75.0
```



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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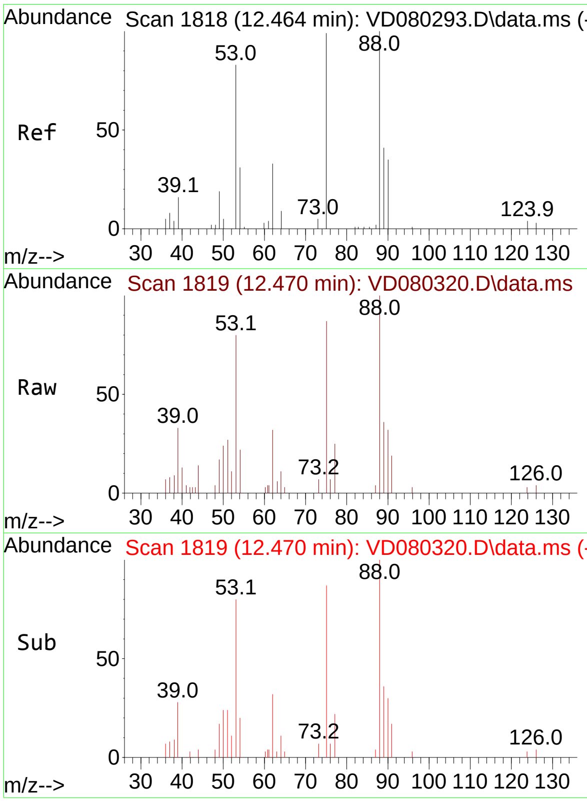
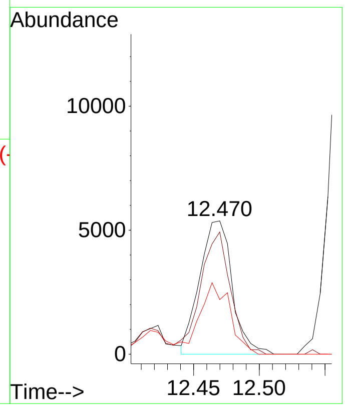
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

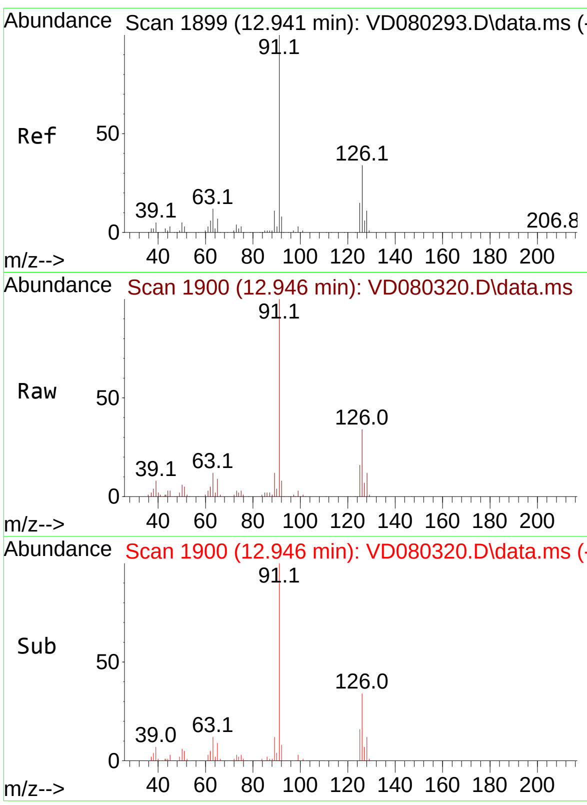


#81
trans-1,4-Dichloro-2-butene
Concen: 19.438 ug/l
RT: 12.470 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 75 Resp: 931

Ion	Ratio	Lower	Upper
75	100		
53	84.7	68.7	103.1
89	50.4	36.1	54.1

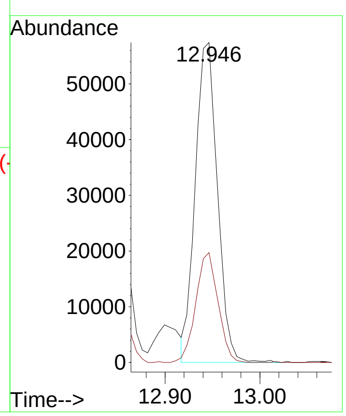




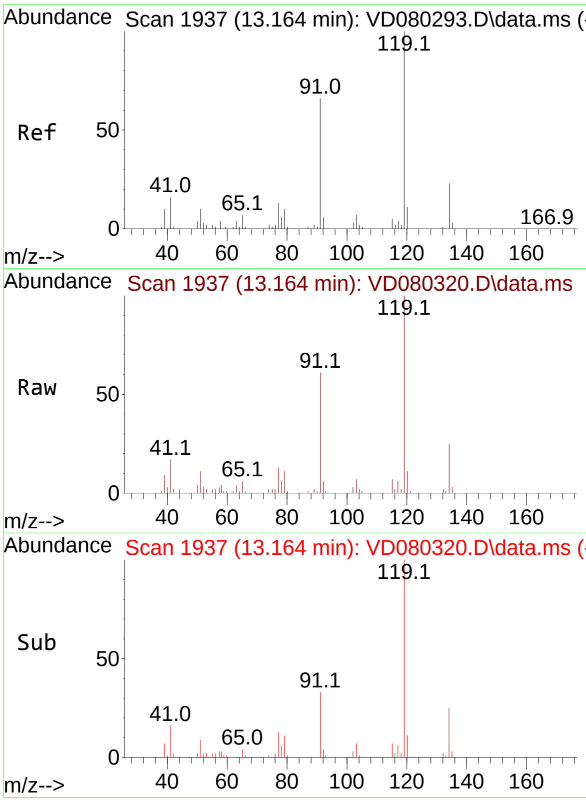
#82
4-Chlorotoluene
Concen: 19.426 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion: 91 Resp: 93535

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.8	50.3



Sample Results: **VD080320.D**



#83
tert-Butylbenzene
Concen: 18.471 ug/l
RT: 13.164 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tgt Ion:119 Resp: 8033

Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.3	99.9
134	26.9	13.5	40.5

Manual Integrations
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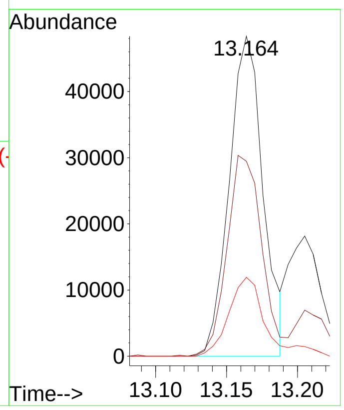
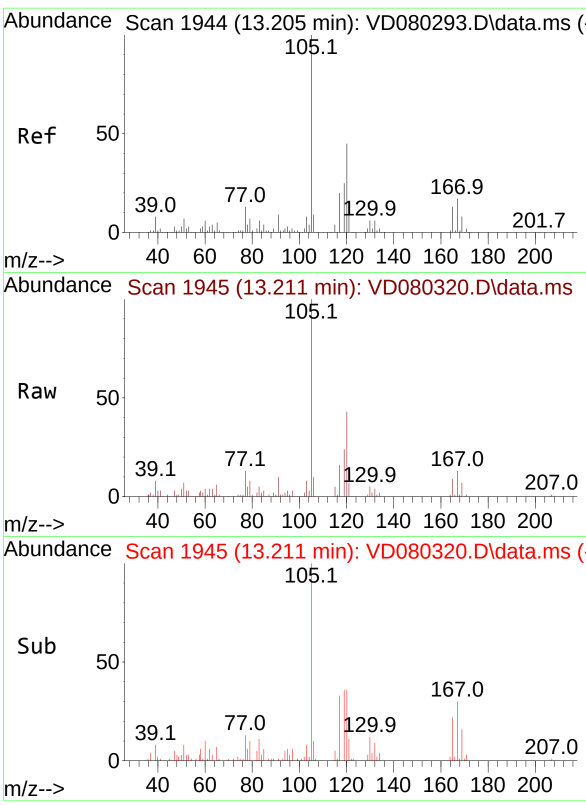
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

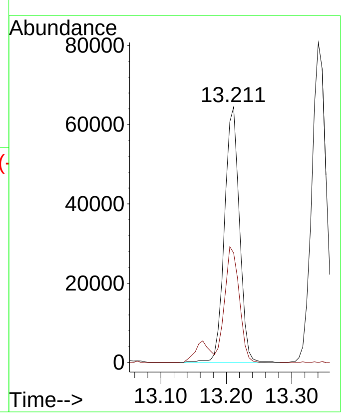


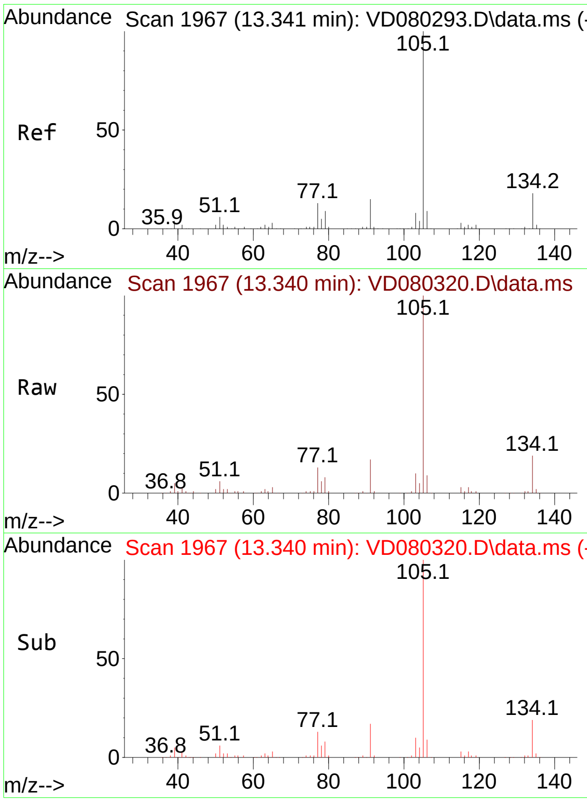


#84
1,2,4-Trimethylbenzene
Concen: 19.136 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:105 Resp: 102044

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.8	68.4

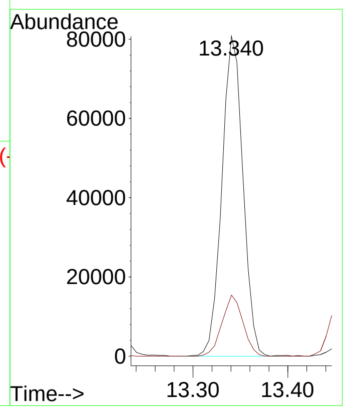




#85
sec-Butylbenzene
Concen: 18.643 ug/l
RT: 13.340 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:105 Resp: 12503

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.3



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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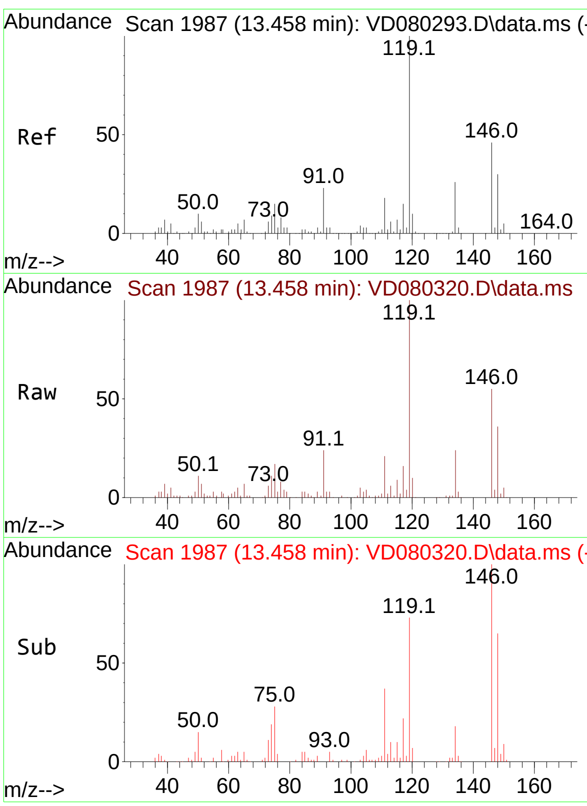
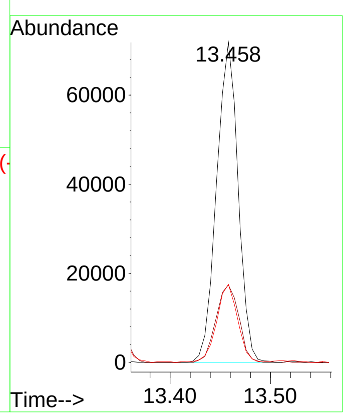
Supervised By :Semsettin Yesilyurt 05/15/2025



#86
p-Isopropyltoluene
Concen: 18.986 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:119 Resp: 107020

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.9	12.2	36.4



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

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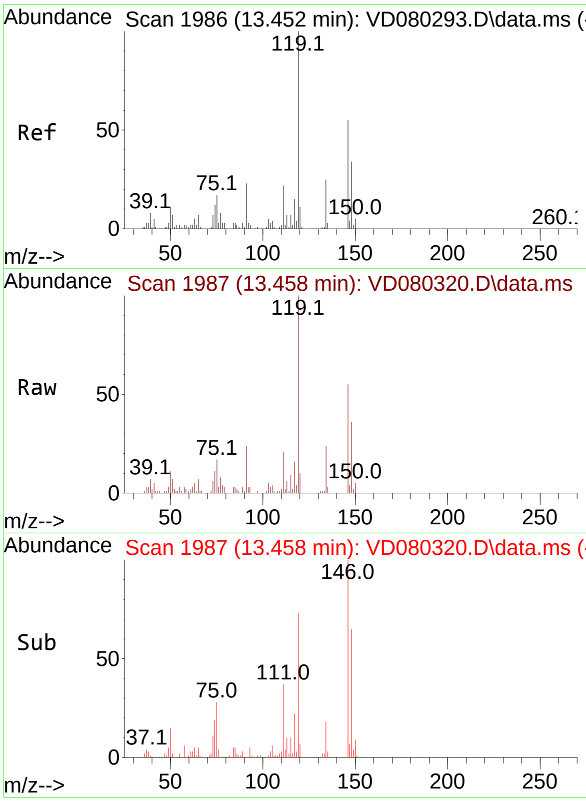
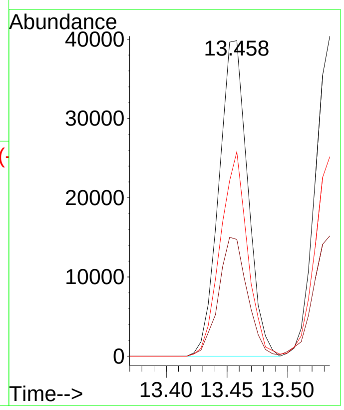
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

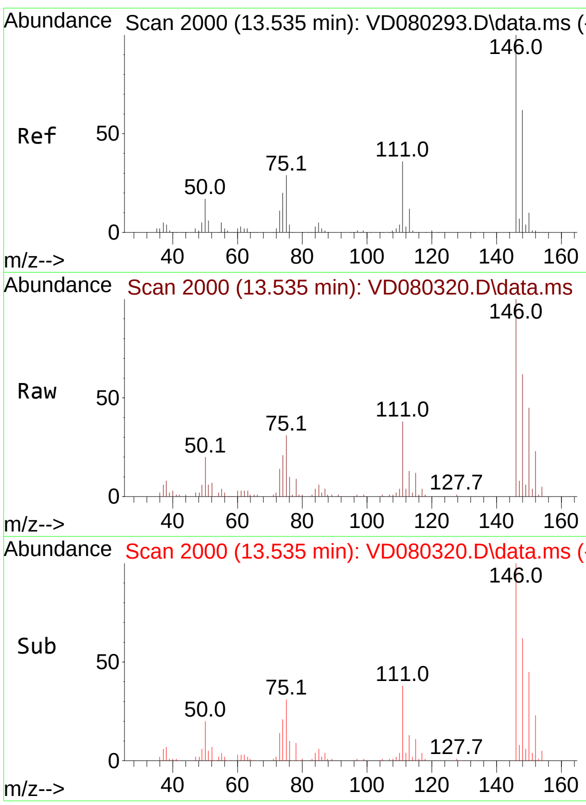


#87
1,3-Dichlorobenzene
Concen: 19.891 ug/l
RT: 13.458 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:146 Resp: 6575

Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.0	59.9
148	60.9	31.9	95.7

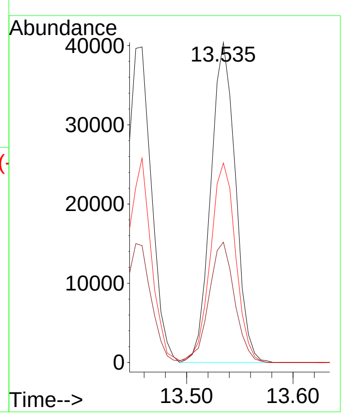


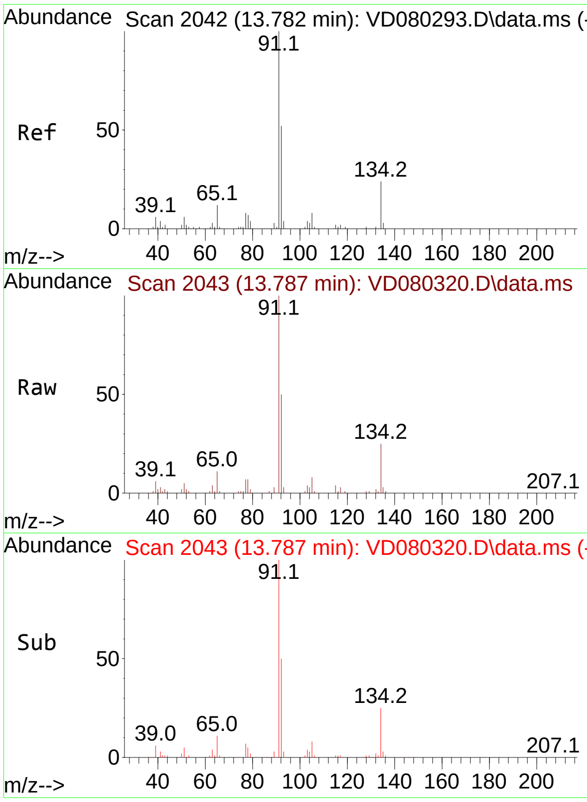


#88
1,4-Dichlorobenzene
Concen: 19.579 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:146 Resp: 65246

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	63.6	32.9	98.7

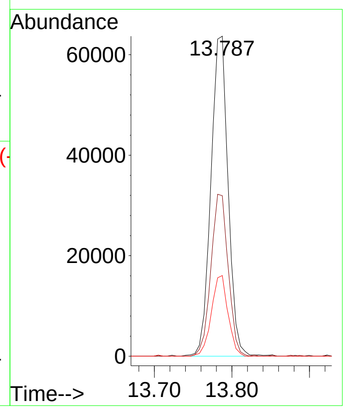




#89
n-Butylbenzene
Concen: 17.952 ug/l
RT: 13.787 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

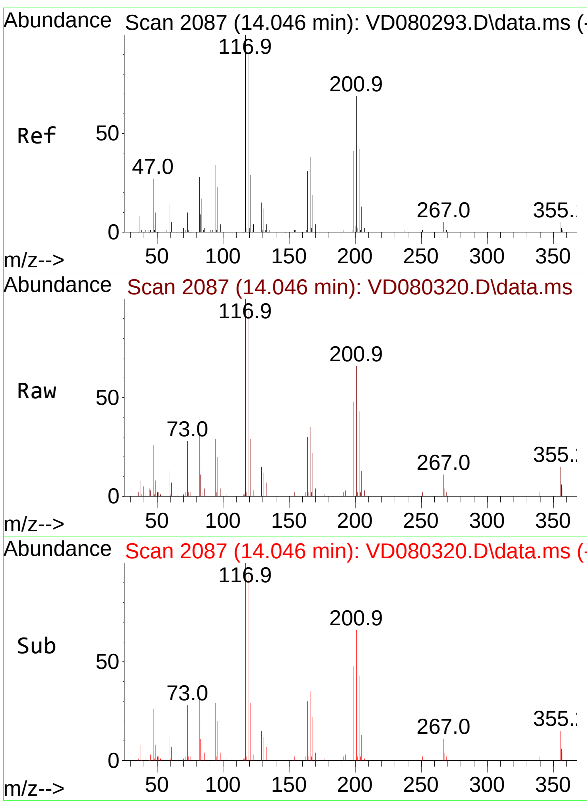
Tgt Ion: 91 Resp: 9823

Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.3	78.9
134	24.4	12.3	36.8



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

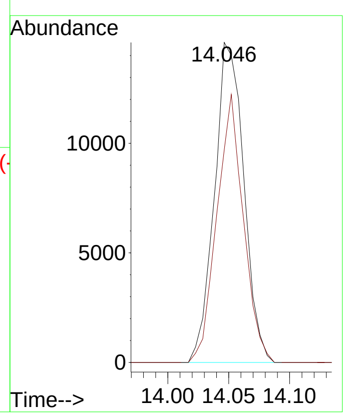
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



#90
Hexachloroethane
Concen: 19.627 ug/l
RT: 14.046 min Scan# 2087
Delta R.T. -0.005 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:117 Resp: 24479

Ion	Ratio	Lower	Upper
117	100		
201	75.7	37.5	112.5



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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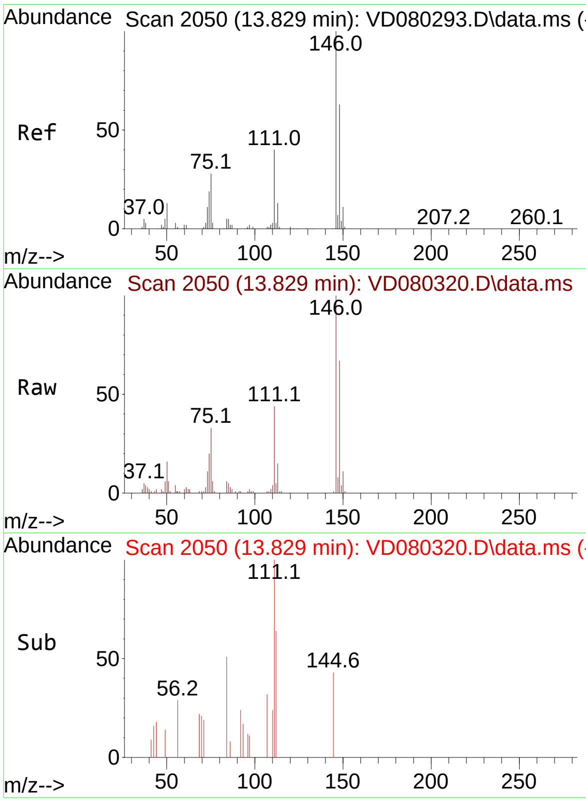
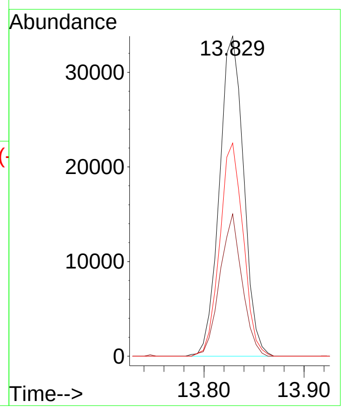
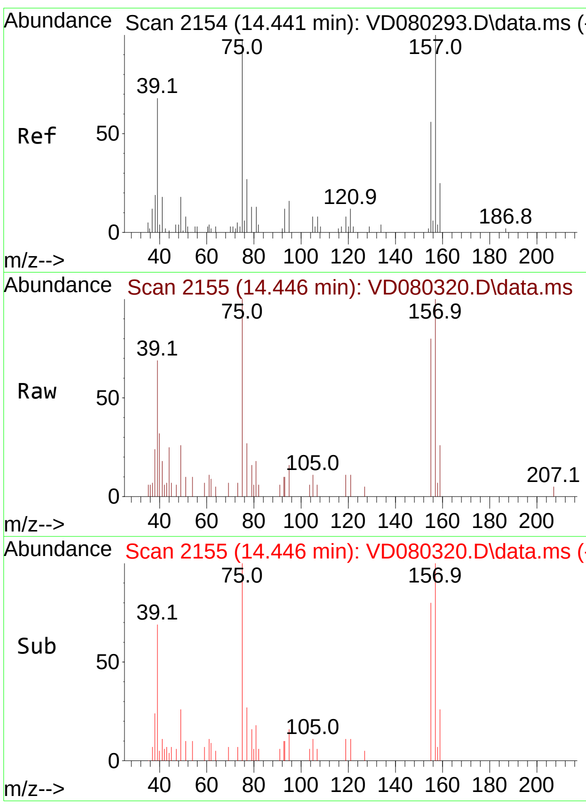



```
#91
1,2-Dichlorobenzene
Concen:   19.813 ug/l
RT:  13.829 min  Scan# 2(
Delta R.T.  0.001 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

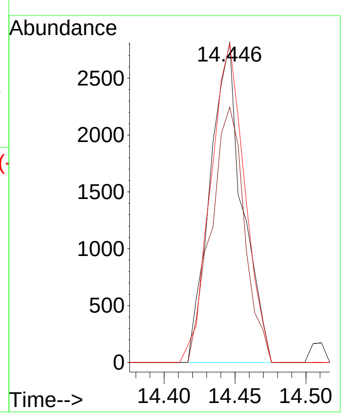
Tgt Ion:146 Resp:   5689
Ion  Ratio  Lower  Upper
146  100
111   40.8   20.6   61.8
148   64.5   32.7   98.1
```






```
#92
1,2-Dibromo-3-Chloropropane
Concen:   20.886 ug/l
RT:  14.446 min  Scan# 2155
Delta R.T.  0.006 min
Lab File:   VD080320.D
Acq: 14 May 2025  13:57

Tgt Ion: 75 Resp:    4473
Ion  Ratio  Lower  Upper
 75  100
155   82.4   40.6  122.0
157  104.9   53.3  159.9
```



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
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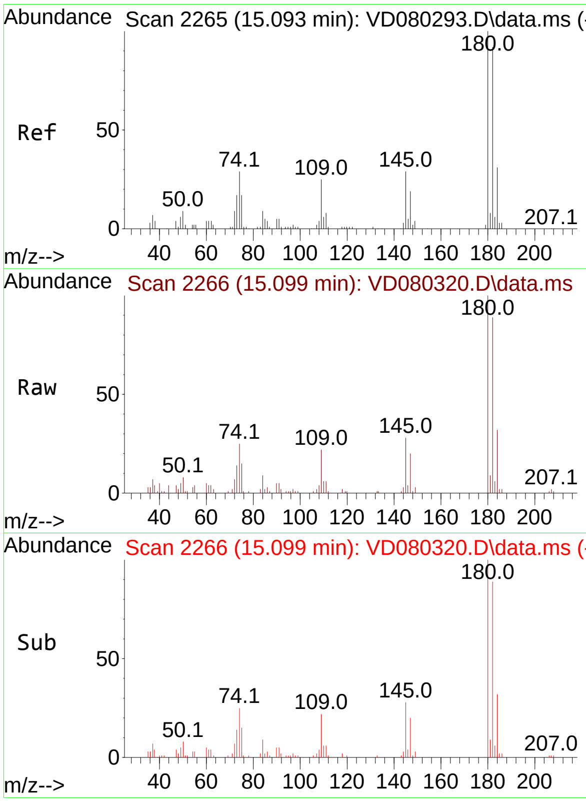
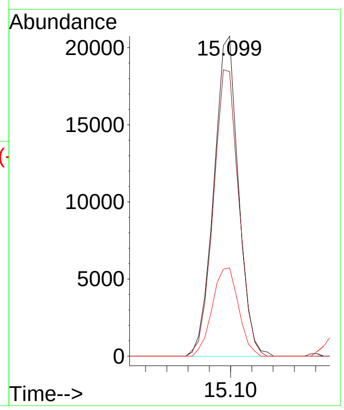
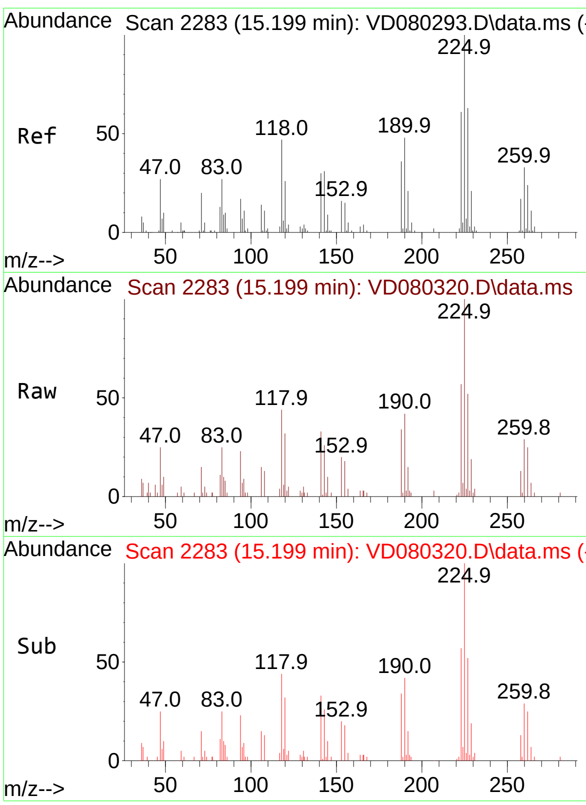


#93
1,2,4-Trichlorobenzene
Concen: 18.457 ug/l
RT: 15.099 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:180 Resp: 3333

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.2
145	29.4	14.7	44.1

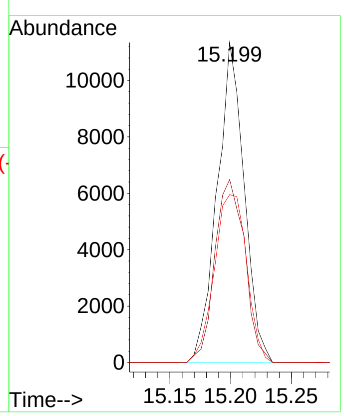




#94
Hexachlorobutadiene
Concen: 18.722 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:225 Resp: 17589

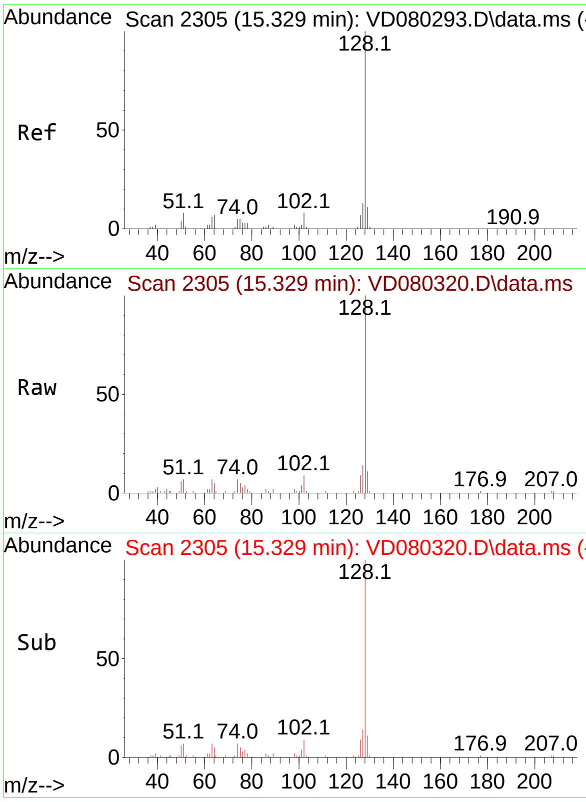
Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	62.8	30.9	92.5



Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

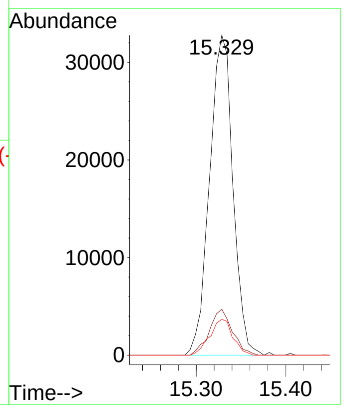
Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

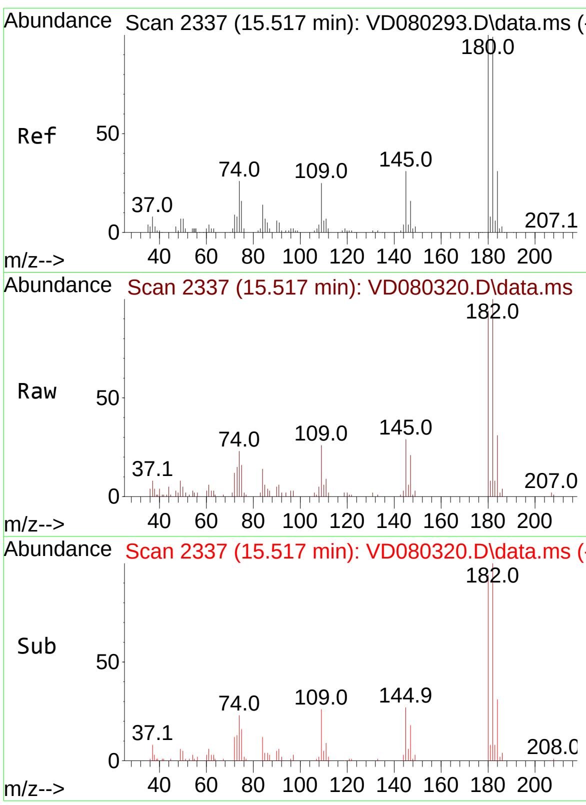


#95
Naphthalene
Concen: 17.564 ug/l
RT: 15.329 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:128 Resp: 5955

Ion	Ratio	Lower	Upper
128	100		
127	14.3	11.8	17.8
129	11.2	8.3	12.5

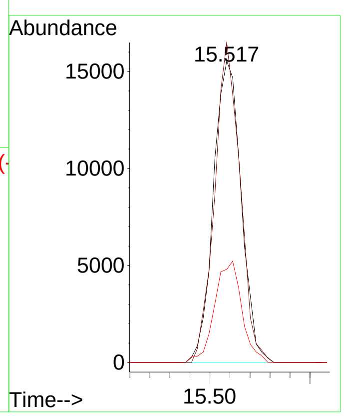




#96
1,2,3-Trichlorobenzene
Concen: 18.457 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. 0.001 min
Lab File: VD080320.D
Acq: 14 May 2025 13:57

Tgt Ion:180 Resp: 29810

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.5	142.6
145	33.0	15.7	47.0



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Manual Integration Report

Sequence:	VD050625	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VD080290.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Acetone	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Methyl methacrylate	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Vinyl Acetate	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Acetone	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methacrylonitrile	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methyl Acetate	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methyl methacrylate	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC020	VD080292.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:53 PM	Sam	5/7/2025 1:47:32 PM	Peak Integrated by Software
VSTDICC020	VD080292.D	Methyl methacrylate	MMDadoda	5/7/2025 1:29:53 PM	Sam	5/7/2025 1:47:32 PM	Peak Integrated by Software
VSTDICCC050	VD080293.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:55 PM	Sam	5/7/2025 1:47:34 PM	Peak Integrated by Software
VSTDICC100	VD080294.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:57 PM	Sam	5/7/2025 1:47:36 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VD050625	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VD080295.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:58 PM	Sam	5/7/2025 1:47:38 PM	Peak Integrated by Software
VSTDICV050	VD080297.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:30:00 PM	Sam	5/7/2025 1:47:39 PM	Peak Integrated by Software
VSTDICV050	VD080297.D	Methacrylonitrile	MMDadoda	5/7/2025 1:30:00 PM	Sam	5/7/2025 1:47:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vd051425	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VD080317.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:35 PM	Sam	5/15/2025 2:33:16 PM	Peak Integrated by Software
VD0514SBS01	VD080319.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:36 PM	Sam	5/15/2025 2:33:17 PM	Peak Integrated by Software
VD0514SBSD01	VD080320.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:38 PM	Sam	5/15/2025 2:33:19 PM	Peak Integrated by Software
VD0514SBSD01	VD080320.D	Tert butyl alcohol	MMDadoda	5/15/2025 2:31:38 PM	Sam	5/15/2025 2:33:19 PM	Peak Integrated by Software
VSTDCCC050	VD080336.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:41 PM	Sam	5/15/2025 2:33:22 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadod a	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadod a	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadod a	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadod a	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadod a	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadod a	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadod a	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadod a	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadod a	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadod a	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadod a	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadod a	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadod a	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022277.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:54 PM	Sam	5/19/2025 2:44:19 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	Methacrylonitrile	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VSTDCCC050	VY022301.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:39:03 PM	Sam	5/19/2025 2:44:28 PM	Peak Integrated by Software

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD050625

Review By	Mahesh Dadoda	Review On	5/7/2025 1:30:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/7/2025 1:47:48 PM		
SubDirectory	VD050625	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133815
Initial Calibration Stds	VP133816,VP133817,VP133818,VP133819,VP133820,VP133821
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133822
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080289.D	06 May 2025 09:57	RP/MD	Ok
2	VSTDICC005	VD080290.D	06 May 2025 13:33	RP/MD	Ok,M
3	VSTDICC010	VD080291.D	06 May 2025 13:55	RP/MD	Ok,M
4	VSTDICC020	VD080292.D	06 May 2025 14:23	RP/MD	Ok,M
5	VSTDICCC050	VD080293.D	06 May 2025 14:51	RP/MD	Ok,M
6	VSTDICC100	VD080294.D	06 May 2025 15:19	RP/MD	Ok,M
7	VSTDICC150	VD080295.D	06 May 2025 15:47	RP/MD	Ok,M
8	IBLK	VD080296.D	06 May 2025 16:15	RP/MD	Ok
9	VSTDICV050	VD080297.D	06 May 2025 16:43	RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080316.D	14 May 2025 10:44	RP/MD	Ok
2	VSTDCCC050	VD080317.D	14 May 2025 12:25	RP/MD	Ok,M
3	VD0514SBL01	VD080318.D	14 May 2025 12:59	RP/MD	Ok
4	VD0514SBS01	VD080319.D	14 May 2025 13:29	RP/MD	Ok,M
5	VD0514SBSD01	VD080320.D	14 May 2025 13:57	RP/MD	Ok,M
6	Q2004-07	VD080321.D	14 May 2025 14:38	RP/MD	Ok
7	Q2004-11	VD080322.D	14 May 2025 15:07	RP/MD	Ok
8	Q2024-01	VD080323.D	14 May 2025 15:35	RP/MD	ReRun
9	Q2022-02	VD080324.D	14 May 2025 16:03	RP/MD	ReRun
10	Q2022-04	VD080325.D	14 May 2025 16:32	RP/MD	Ok
11	Q2017-03	VD080326.D	14 May 2025 17:00	RP/MD	Ok
12	Q2017-07	VD080327.D	14 May 2025 17:28	RP/MD	Ok
13	Q2019-03	VD080328.D	14 May 2025 17:55	RP/MD	Ok
14	Q2020-03	VD080329.D	14 May 2025 18:22	RP/MD	Ok
15	Q2010-01	VD080330.D	14 May 2025 18:50	RP/MD	Ok
16	Q2010-02	VD080331.D	14 May 2025 19:17	RP/MD	Ok
17	Q2010-03	VD080332.D	14 May 2025 19:43	RP/MD	Not Ok
18	Q2010-04	VD080333.D	14 May 2025 20:10	RP/MD	Not Ok
19	Q2043-01	VD080334.D	14 May 2025 20:37	RP/MD	ReRun
20	Q2043-03	VD080335.D	14 May 2025 21:04	RP/MD	Ok,M
21	VSTDCCC050	VD080336.D	14 May 2025 21:58	RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDICC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDICC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDICC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDICCC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDICC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDICC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBSD01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022276.D	16 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022277.D	16 May 2025 08:24	SY/MD	Ok,M
3	VY0516SBL01	VY022278.D	16 May 2025 09:37	SY/MD	Ok
4	VY0516SBS01	VY022279.D	16 May 2025 10:09	SY/MD	Ok,M
5	VY0516SBSD01	VY022280.D	16 May 2025 10:32	SY/MD	Ok,M
6	Q1984-07RE	VY022281.D	16 May 2025 11:17	SY/MD	Confirms
7	Q1984-09	VY022282.D	16 May 2025 11:41	SY/MD	Ok
8	Q1984-11	VY022283.D	16 May 2025 12:04	SY/MD	Ok
9	Q1984-13	VY022284.D	16 May 2025 12:29	SY/MD	Ok
10	Q1984-15RE	VY022285.D	16 May 2025 12:54	SY/MD	Not Ok
11	Q1982-01	VY022286.D	16 May 2025 13:17	SY/MD	Ok
12	Q1982-02	VY022287.D	16 May 2025 13:41	SY/MD	Ok
13	Q1982-03	VY022288.D	16 May 2025 14:04	SY/MD	Ok
14	Q1982-07	VY022289.D	16 May 2025 14:28	SY/MD	Ok
15	Q1982-08	VY022290.D	16 May 2025 14:51	SY/MD	Ok
16	Q2010-03	VY022291.D	16 May 2025 15:15	SY/MD	Ok
17	Q2010-04	VY022292.D	16 May 2025 15:38	SY/MD	Ok
18	Q2003-02	VY022293.D	16 May 2025 16:02	SY/MD	ReRun
19	Q2032-03	VY022294.D	16 May 2025 16:25	SY/MD	Ok
20	Q2032-04	VY022295.D	16 May 2025 16:48	SY/MD	Ok
21	Q2032-07	VY022296.D	16 May 2025 17:12	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-08	VY022297.D	16 May 2025 17:35	SY/MD	Ok
23	Q2032-02	VY022298.D	16 May 2025 17:59	SY/MD	Ok
24	Q2032-05MS	VY022299.D	16 May 2025 18:21	SY/MD	Not Ok
25	Q2032-06MSD	VY022300.D	16 May 2025 18:44	SY/MD	Not Ok
26	VSTDCCC050	VY022301.D	16 May 2025 19:29	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD050625

Review By	Mahesh Dadoda	Review On	5/7/2025 1:30:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/7/2025 1:47:48 PM		
SubDirectory	VD050625	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133815
Initial Calibration Stds	VP133816,VP133817,VP133818,VP133819,VP133820,VP133821
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133822
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080289.D	06 May 2025 09:57		RP/MD	Ok
2	VSTDICC005	VSTDICC005	VD080290.D	06 May 2025 13:33	Comp.#2,3,20 are on Linear Regression	RP/MD	Ok,M
3	VSTDICC010	VSTDICC010	VD080291.D	06 May 2025 13:55	Comp.#16 is on Quadratic Regression	RP/MD	Ok,M
4	VSTDICC020	VSTDICC020	VD080292.D	06 May 2025 14:23		RP/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VD080293.D	06 May 2025 14:51		RP/MD	Ok,M
6	VSTDICC100	VSTDICC100	VD080294.D	06 May 2025 15:19		RP/MD	Ok,M
7	VSTDICC150	VSTDICC150	VD080295.D	06 May 2025 15:47		RP/MD	Ok,M
8	IBLK	IBLK	VD080296.D	06 May 2025 16:15		RP/MD	Ok
9	VSTDICV050	ICVVD050625	VD080297.D	06 May 2025 16:43		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080316.D	14 May 2025 10:44		RP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VD080317.D	14 May 2025 12:25		RP/MD	Ok,M
3	VD0514SBL01	VD0514SBL01	VD080318.D	14 May 2025 12:59		RP/MD	Ok
4	VD0514SBS01	VD0514SBS01	VD080319.D	14 May 2025 13:29		RP/MD	Ok,M
5	VD0514SBSD01	VD0514SBSD01	VD080320.D	14 May 2025 13:57		RP/MD	Ok,M
6	Q2004-07	205510	VD080321.D	14 May 2025 14:38	vial-B	RP/MD	Ok
7	Q2004-11	STONE-STOCK	VD080322.D	14 May 2025 15:07	vial-B	RP/MD	Ok
8	Q2024-01	PL-02-051325	VD080323.D	14 May 2025 15:35	vial-A Surrogate Fail	RP/MD	ReRun
9	Q2022-02	COMP-1	VD080324.D	14 May 2025 16:03	vial-A Internal Standard Fail; Surrogate Fail	RP/MD	ReRun
10	Q2022-04	COMP-2	VD080325.D	14 May 2025 16:32	vial-A	RP/MD	Ok
11	Q2017-03	MH-I-VOC	VD080326.D	14 May 2025 17:00	vial-A	RP/MD	Ok
12	Q2017-07	MH-J-VOC	VD080327.D	14 May 2025 17:28	vial-A	RP/MD	Ok
13	Q2019-03	MH-K-VOC	VD080328.D	14 May 2025 17:55	vial-A	RP/MD	Ok
14	Q2020-03	TP-A-VOC	VD080329.D	14 May 2025 18:22	vial-A	RP/MD	Ok
15	Q2010-01	TP-10	VD080330.D	14 May 2025 18:50	vial-A	RP/MD	Ok
16	Q2010-02	TP-13	VD080331.D	14 May 2025 19:17	vial-A	RP/MD	Ok
17	Q2010-03	TP-14	VD080332.D	14 May 2025 19:43	vial-A CCC Failed High For com.#16	RP/MD	Not Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2010-04	TP-17	VD080333.D	14 May 2025 20:10	vial-A CCC Failed High For com.#16	RP/MD	Not Ok
19	Q2043-01	281	VD080334.D	14 May 2025 20:37	vial-A Internal Standard Fail; Surrogate Fail	RP/MD	ReRun
20	Q2043-03	72-12000	VD080335.D	14 May 2025 21:04	vial-A	RP/MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VD080336.D	14 May 2025 21:58		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022276.D	16 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022277.D	16 May 2025 08:24		SY/MD	Ok,M
3	VY0516SBL01	VY0516SBL01	VY022278.D	16 May 2025 09:37		SY/MD	Ok
4	VY0516SBS01	VY0516SBS01	VY022279.D	16 May 2025 10:09		SY/MD	Ok,M
5	VY0516SBSD01	VY0516SBSD01	VY022280.D	16 May 2025 10:32		SY/MD	Ok,M
6	Q1984-07RE	OU4-TS-24-050725RE	VY022281.D	16 May 2025 11:17	vial-B Surrogate fail	SY/MD	Confirms
7	Q1984-09	OU4-TS-25-050725	VY022282.D	16 May 2025 11:41	vial-B	SY/MD	Ok
8	Q1984-11	OU4-TS-26-050725	VY022283.D	16 May 2025 12:04	vial-B	SY/MD	Ok
9	Q1984-13	OU4-TS-27-050725	VY022284.D	16 May 2025 12:29	vial-B	SY/MD	Ok
10	Q1984-15RE	OU4-TS-28-050725RE	VY022285.D	16 May 2025 12:54	vial-B Surrogate fail;Not match for com.#16	SY/MD	Not Ok
11	Q1982-01	TP-1	VY022286.D	16 May 2025 13:17	vial-B	SY/MD	Ok
12	Q1982-02	TP-2B	VY022287.D	16 May 2025 13:41	vial-B	SY/MD	Ok
13	Q1982-03	TP-3	VY022288.D	16 May 2025 14:04	Vial A	SY/MD	Ok
14	Q1982-07	TP-8	VY022289.D	16 May 2025 14:28	Vial A	SY/MD	Ok
15	Q1982-08	TP-9	VY022290.D	16 May 2025 14:51	Vial A	SY/MD	Ok
16	Q2010-03	TP-14	VY022291.D	16 May 2025 15:15	vial-B	SY/MD	Ok
17	Q2010-04	TP-17	VY022292.D	16 May 2025 15:38	vial-B	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2003-02	VOC	VY022293.D	16 May 2025 16:02	vial-A Internal standard fail	SY/MD	ReRun
19	Q2032-03	TP-29-99	VY022294.D	16 May 2025 16:25	vial-A	SY/MD	Ok
20	Q2032-04	TP-24	VY022295.D	16 May 2025 16:48	vial-A	SY/MD	Ok
21	Q2032-07	TP-37	VY022296.D	16 May 2025 17:12	vial-A	SY/MD	Ok
22	Q2032-08	TP-32	VY022297.D	16 May 2025 17:35	vial-A	SY/MD	Ok
23	Q2032-02	TP-29	VY022298.D	16 May 2025 17:59	vial-A	SY/MD	Ok
24	Q2032-05MS	TP-24MS	VY022299.D	16 May 2025 18:21	vial-A Internal standard fail;Recovery Fail	SY/MD	Not Ok
25	Q2032-06MSD	TP-24MSD	VY022300.D	16 May 2025 18:44	vial-A Internal standard fail;Surrogate fail	SY/MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VY022301.D	16 May 2025 19:29		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135730

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
Q2001-02	WC-A4-03-C	31	1.15	10.09	11.24	9.13	79.1	
Q2001-06	WC-A1-05-C	32	1.15	10.00	11.15	9.16	80.1	
Q2001-10	WC-A1-06-C	33	1.16	10.23	11.39	9.58	82.3	
Q2001-14	WC-A1-07-C	34	1.18	10.28	11.46	9.56	81.5	
Q2007-01	OR-636-COMP-10	1	1.15	10.52	11.67	10.25	86.5	
Q2007-02	OR-636-VOC-10	2	1.14	10.54	11.68	9.57	80.0	
Q2007-03	OR-636-28	3	1.19	10.56	11.75	10.3	86.3	
Q2007-04	OR-636-29	4	1.16	10.61	11.77	9.7	80.5	
Q2007-05	OR-636-30	5	1.13	10.16	11.29	10.42	91.4	
Q2007-07	OR-636-COMP-11	6	1.16	9.92	11.08	9.87	87.8	
Q2007-08	OR-636-VOC-11	7	1.12	11.24	12.36	10.96	87.5	
Q2007-09	OR-636-31	8	1.13	10.43	11.56	11.02	94.8	
Q2007-10	OR-636-32	9	1.18	10.36	11.54	10.33	88.3	
Q2007-11	OR-636-33	10	1.19	10.66	11.85	10.34	85.8	
Q2007-13	OR-636-COMP-12	11	1.16	10.06	11.22	11.2	99.8	
Q2007-14	OR-636-VOC-12	12	1.12	10.07	11.19	10.3	91.2	
Q2007-15	OR-636-34	13	1.13	10.72	11.85	11.00	92.1	
Q2007-16	OR-636-35	14	1.19	10.74	11.93	10.72	88.7	
Q2007-17	OR-636-36	15	1.19	10.53	11.72	10.92	92.4	
Q2007-19	OR-636-COMP-13	16	1.16	10.73	11.89	10.85	90.3	
Q2007-20	OR-636-VOC-13	17	1.13	10.05	11.18	10.16	89.9	
Q2007-21	OR-636-37	18	1.13	10.13	11.26	10.6	93.5	
Q2007-22	OR-636-38	19	1.17	10.08	11.25	10.47	92.3	
Q2007-23	OR-636-39	20	1.18	9.72	10.9	9.88	89.5	
Q2007-25	OR-636-COMP-14	21	1.13	9.93	11.06	10.31	92.4	
Q2007-26	OR-636-VOC-14	22	1.19	10.04	11.23	10.58	93.5	
Q2007-27	OR-636-40	23	1.18	10.40	11.58	10.9	93.5	
Q2007-28	OR-636-41	24	1.19	9.98	11.17	10.2	90.3	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135730

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
Q2007-29	OR-636-42	25	1.12	10.00	11.12	10.02	89.0	
Q2007-31	OR-636-COMP-15	26	1.15	9.45	10.6	9.81	91.6	
Q2007-32	OR-636-VOC-15	27	1.15	10.02	11.17	10.38	92.1	
Q2007-33	OR-636-43	28	1.16	9.80	10.96	9.96	89.8	
Q2007-34	OR-636-44	29	1.13	10.05	11.18	9.98	88.1	
Q2007-35	OR-636-45	30	1.13	10.62	11.75	10.62	89.4	
Q2010-01	TP-10	35	1.19	9.95	11.14	10.47	93.3	
Q2010-02	TP-13	36	1.19	9.93	11.12	9.57	84.4	
Q2010-03	TP-14	37	1.18	10.15	11.33	9.37	80.7	
Q2010-04	TP-17	38	1.16	10.80	11.96	9.52	77.4	
Q2014-01	MOO-25-0134	39	1.14	10.18	11.32	10.36	90.6	
Q2014-02	MOO-25-0134-E2	40	1.13	10.84	11.97	10.86	89.8	
Q2014-03	MOO-25-0145	41	1.19	9.98	11.17	10.88	97.1	
Q2014-04	MOO-25-0145-E2	42	1.13	9.96	11.09	10.9	98.1	
Q2014-05	MOO-25-0148	43	1.18	10.07	11.25	10.16	89.2	
Q2014-06	MOO-25-0148-E2	44	1.17	10.25	11.42	10.35	89.6	
Q2015-01	BC216248-1-1	45	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-02	BC216248-1-2	46	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-03	BC226007-1-1	47	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-04	BC226007-1-2	48	1.00	1.00	2.00	2.00	100.0	pilc
Q2017-01	MH-I	49	1.18	10.30	11.48	9.84	84.1	
Q2017-02	MH-I-EPH	50	1.17	10.30	11.47	9.72	83.0	
Q2017-03	MH-I-VOC	51	1.16	10.41	11.57	9.76	82.6	
Q2017-05	MH-J	52	1.18	10.09	11.27	9.54	82.9	
Q2017-06	MH-J-EPH	53	1.12	10.86	11.98	10.47	86.1	
Q2017-07	MH-J-VOC	54	1.19	10.30	11.49	10.3	88.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

B135730

WorkList Name : %1-051225 **WorkList ID :** 189428 **Department :** Wet-Chemistry **Date :** 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2001-02	WC-A4-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/06/2025	Chemtech -SO
Q2001-06	WC-A1-05-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/07/2025	Chemtech -SO
Q2001-10	WC-A1-06-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/08/2025	Chemtech -SO
Q2001-14	WC-A1-07-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/08/2025	Chemtech -SO
Q2007-01	OR-636-COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-02	OR-636-VOC-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-03	OR-636-28	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-04	OR-636-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-05	OR-636-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-07	OR-636-COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-08	OR-636-VOC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-09	OR-636-31	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-10	OR-636-32	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-11	OR-636-33	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-13	OR-636-COMP-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-14	OR-636-VOC-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-15	OR-636-34	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-16	OR-636-35	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-17	OR-636-36	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-19	OR-636-COMP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-20	OR-636-VOC-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO

Date/Time 05/12/25 15:10
Raw Sample Received by: 80 ww
Raw Sample Relinquished by: SM

Date/Time 05/12/25 17:15
Raw Sample Received by: SM
Raw Sample Relinquished by: 80 wec

WORKLIST(Hardcopy Internal Chain)

VB 135730

WorkList Name : %1-051225 **WorkList ID :** 189428 **Department :** Wet-Chemistry **Date :** 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2007-21	OR-636-37	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-22	OR-636-38	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-23	OR-636-39	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-25	OR-636-COMP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-26	OR-636-VOC-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-27	OR-636-40	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-28	OR-636-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-29	OR-636-42	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-31	OR-636-COMP-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-32	OR-636-VOC-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-33	OR-636-43	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-34	OR-636-44	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-35	OR-636-45	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2010-01	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2010-02	TP-13	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2010-03	TP-14	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2010-04	TP-17	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2014-01	MOO-25-0134	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2014-02	MOO-25-0134-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-03	MOO-25-0145	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-04	MOO-25-0145-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO

Date/Time 05/12/25 15:10
Raw Sample Received by: JB wc
Raw Sample Relinquished by: JW sh

Date/Time 05/12/25 17:25
Raw Sample Received by: JW sh
Raw Sample Relinquished by: JB wc

WORKLIST(Hardcopy Internal Chain)

Q2735730

WorkList Name : %1-051225 **WorkList ID :** 189428 **Department :** Wet-Chemistry **Date :** 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2014-05	MOO-25-0148	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-06	MOO-25-0148-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2015-01	BC216248-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-02	BC216248-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-03	BC226007-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-04	BC226007-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2017-01	MH-I	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-02	MH-I-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-03	MH-I-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-05	MH-J	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-06	MH-J-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-07	MH-J-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO

Date/Time 05/12/25 15:10
Raw Sample Received by: JD WC
Raw Sample Relinquished by: SM

Date/Time 05/12/25 17:15
Raw Sample Received by: SM
Raw Sample Relinquished by: JD WC

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	Q2010-01	40.68-33.35=7.33	14:01	40.73-33.37=7.36	14:02	37.38-27.66=9.72	14:03	V14143	05/12/2025	TERRACORE SAMPLE 8260
2	Q2010-02	38.61-33.13=5.48	14:03	38.21-32.83=5.38	14:04	38.44-28.17=10.27	14:05	V14143	05/12/2025	
3	Q2010-03	39.05-32.66=6.39	14:06	39.86-32.68=7.18	14:07	39.61-27.86=11.75	14:08	V14143	05/12/2025	
4	Q2010-04	40.49-32.59=7.9	14:09	40.60-32.75=7.85	14:10	42.06-28.16=13.9	14:11	V14143	05/12/2025	

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

Alliance
TECHNICAL GROUP

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2010
QUOTE NO.
COC Number 2047010

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX: 7322257851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX: 7322257851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE, #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): ______ DAYS*
EDD: ______ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☒ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other

ANALYSIS

1. TCL VOC
2. TCL SVOC
3. TAL METALS
4. PCBs
5. PESTICIDES
6. HERBICIDES
7. DRO/GRO
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-10	SOIL		X	5/8/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-13	SOIL		X	5/8/25	1015	6	X	X	X	X	X	X	X			E
3.	TP-14	SOIL		X	5/8/25	1135	6	X	X	X	X	X	X	X			E
4.	TP-17	SOIL		X	5/8/25	1306	6	X	X	X	X	X	X	X			E
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — ← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	5/8/25	1. [signature] 5-9-25 1557
2.		2.
3. [signature]	1650 5-9-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C

Comments: Temp 3.2°C (Adjustment Factor +0) IR Gun#1.

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2010 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/9/2025 4:00:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/9/2025 4:50:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Level 1~~ NJ Reduced
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff : 5/12/2025 10:55:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2010-01	TP-10	Solid	05/08/2025	08:20						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2010-02	TP-13	Solid	05/08/2025	10:15						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2010-03	TP-14	Solid	05/08/2025	11:35						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2010-04	TP-17	Solid	05/08/2025	13:05						
					VOC-TCLVOA-10		8260D	10 Bus. Days		

Relinguished By : [signature]
Date / Time : 5/12/25 1110

Received By : [signature]
Date / Time : 05/12/25 11:10 Ref# 6
FZ 2
Storage Area : VOA Refridgerator Room