

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : NJ SOIL PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q1872

ATTENTION : Mohammad Ahmed



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1872

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q1872-01
Q1872-02
Q1872-03
Q1872-04
Q1872-05
Q1872-06
Q1872-07
Q1872-08
Q1872-09
Q1872-10
Q1872-11
Q1872-12
Q1872-13
Q1872-14
Q1872-15
Q1872-16
Q1872-17
Q1872-18
Q1872-19
Q1872-20
Q1872-21
Q1872-22
Q1872-23
Q1872-24
Q1872-25

Client Sample Number

HW0425-PT-AN-SOIL
HW0425-PT-CORR-SOIL
HW0425-PT-CN-SOIL
HW0425-PT-CN-SOIL
HW0425-PT-FP-SOIL
HW0425-PT-CR6-SOIL
HW0425-PT-NUT-SOIL
HW0425-PT-NUT-SOIL
HW0425-PT-OGR-SOIL
HW0425-PT-MET-SOIL
HW0425-PT-BNA-SOIL
HW0425-PT-TRIAZINE-SOIL
HW0425-PT-PAH-SOIL
HW0425-PT-DIES-SOIL
HW0425-PT-GAS-SOIL
HW0425-PT-NJEPH-SOIL
HW0425-PT-HERB-SOIL
HW0425-PT-PCB-SOIL
HW0425-PT-PCBO-SOIL
HW0425-PT-PEST-SOIL
HW0425-PT-CHLR-SOIL
HW0425-PT-TXP-SOIL
HW0425-PT-VOA-SOIL
HW0425-PT-SOL-SOIL
HW0425-PT-NO2-SOIL

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:10 am, Jul 23, 2025

Date: 5/31/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Soil PT

Project # N/A

Order ID # Q1872

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 04/24/2025.

1 Solid sample was received on 04/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS Group1 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 for {VY0429SBS01} with File ID: VY022048.D met requirements for all samples except for N-amyl acetate[84%]. Failing low but only dilution sample analyzed under this Blank spike and failure compound is not associated with dilution; Therefore no further corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone is passing on Linear Regression.

The Continuous Calibration File ID VY022021.D met the requirements except for Acrolein .failing low but no positive hit in associated samples, Therefore no corrective action taken

The Tuning criteria met requirements.

Sample HW0425-PT-VOA-SOIL was diluted due to high concentration.

E. Additional Comments:

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

F. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:11 am, Jul 23, 2025

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 flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1872

MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone is passing on Linear Regression. The Continuous Calibration File ID VY022021.D met the requirements except for Acrolein .failing low but no positive hit in associated samples, Therefore no corrective action taken			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {VY0429SBS01} with File ID: VY022048.D met requirements for all samples except for N-amyl acetate[84%] . Failing low but only dilution sample analyzed under this Blank spike and failure compound is not associated with dilution Therefore no further corrective action was taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Sample HW0425-PT-VOA-SOIL was diluted due to high concentration.

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:00 am, Jul 23, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1872

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: 05/31/2025

LAB CHRONICLE

OrderID:	Q1872	OrderDate:	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Soil PT
Contact:	Mohammad Ahmed	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-23	HW0425-PT-VOA-SOI L	SOIL	VOCMS Group1	8260D	04/21/25		04/28/25	04/24/25
Q1872-23DL	HW0425-PT-VOA-SOI LDL	SOIL	VOCMS Group1	8260D	04/21/25		04/28/25	04/24/25
			VOCMS Group1	8260D			04/29/25	

Hit Summary Sheet
SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	HW0425-PT-VOA-SOIL							
Q1872-23	HW0425-PT-VOA- SOIL		Bromomethane	1.20	J	1.10	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,1-Dichloroethene	150		1.00	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Acetone	440		4.70	25.0	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Methyl tert-butyl Ether	180	E	0.73	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		2-Butanone	340		6.50	25.0	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Carbon Tetrachloride	110		0.97	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		2,2-Dichloropropane	150	E	1.30	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		cis-1,2-Dichloroethene	43.5		0.75	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Chloroform	74.8		0.84	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Benzene	93.5		0.79	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,2-Dichloroethane	48.0		0.79	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,2-Dichloropropane	56.0		0.91	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Bromodichloromethane	180	E	0.78	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		4-Methyl-2-Pentanone	360		3.60	25.0	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Toluene	190	E	0.78	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		t-1,3-Dichloropropene	120		0.65	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		cis-1,3-Dichloropropene	110		0.62	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,1,2-Trichloroethane	73.6		0.92	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		2-Hexanone	350		3.70	25.0	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Dibromochloromethane	75.7		0.87	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Tetrachloroethene	100		1.10	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Chlorobenzene	93.3		0.91	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,1,1,2-Tetrachloroethane	160	E	0.77	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Total Xylenes	250		2.02	15.0	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		m/p-Xylenes	120		1.20	10.0	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		o-Xylene	130		0.82	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Styrene	140		0.71	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Bromoform	99.1		0.86	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,2,3-Trichloropropane	110		1.20	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,2,4-Trimethylbenzene	180	E	0.64	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,4-Dichlorobenzene	25.9		1.60	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		n-Butylbenzene	57.3		1.50	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,2-Dichlorobenzene	53.4		1.50	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		1,2,4-Trichlorobenzene	56.9		3.00	5.00	ug/Kg
Q1872-23	HW0425-PT-VOA- SOIL		Diisopropyl ether	110		0.55	5.00	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				4580				
Total Concentration:				4580				
Client ID:	HW0425-PT-VOA-SOILDL							
Q1872-23DL	HW0425-PT-VOA- SOIL		1,1-Dichloroethene	150	D	4.00	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Acetone	370	D	19.0	100	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Methyl tert-butyl Ether	160	D	2.90	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		2-Butanone	320	D	26.2	100	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Carbon Tetrachloride	110	D	3.90	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		2,2-Dichloropropane	160	D	5.10	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		cis-1,2-Dichloroethene	43.3	D	3.00	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Chloroform	79.6	D	3.40	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Benzene	92.0	D	3.20	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,2-Dichloroethane	49.4	D	3.20	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,2-Dichloropropane	57.3	D	3.60	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Bromodichloromethane	180	D	3.10	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		4-Methyl-2-Pentanone	300	D	14.3	100	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Toluene	180	D	3.10	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		t-1,3-Dichloropropene	110	D	2.60	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		cis-1,3-Dichloropropene	95.1	D	2.50	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,1,2-Trichloroethane	72.4	D	3.70	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		2-Hexanone	290	D	14.8	100	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Dibromochloromethane	73.1	D	3.50	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Tetrachloroethene	100	D	4.20	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Chlorobenzene	93.7	D	3.60	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,1,1,2-Tetrachloroethane	160	D	3.10	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Total Xylenes	230	D	8.30	60.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		m/p-Xylenes	110	D	5.00	40.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		o-Xylene	120	D	3.30	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Styrene	120	D	2.80	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Bromoform	96.0	D	3.40	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,2,3-Trichloropropane	110	D	5.00	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,2,4-Trimethylbenzene	150	D	2.60	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,4-Dichlorobenzene	26.0	D	6.20	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		n-Butylbenzene	48.4	D	5.80	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,2-Dichlorobenzene	51.6	D	5.80	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		1,2,4-Trichlorobenzene	48.3	D	11.9	20.0	ug/Kg
Q1872-23DL	HW0425-PT-VOA- SOIL		Diisopropyl ether	100	D	2.20	20.0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				4230				
Total Concentration:				4230				



QC SUMMARY

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Surrogate Summary

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1872-23	HW0425-PT-VOA-SOIL	1,2-Dichloroethane-d4	50	48.1	96	63	155
		Dibromofluoromethane	50	48.5	97	70	134
		Toluene-d8	50	50.8	102	74	123
		4-Bromofluorobenzene	50	47.4	95	38	136
Q1872-23DL	HW0425-PT-VOA-SOILDL	1,2-Dichloroethane-d4	50	50.8	102	63	155
		Dibromofluoromethane	50	49.7	99	70	134
		Toluene-d8	50	51.3	103	74	123
		4-Bromofluorobenzene	50	47.2	94	38	136
VY0428SBL01	VY0428SBL01	1,2-Dichloroethane-d4	50	51.3	103	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	47.1	94	74	123
		4-Bromofluorobenzene	50	57.4	115	38	136
VY0428SBS01	VY0428SBS01	1,2-Dichloroethane-d4	50	49.5	99	63	155
		Dibromofluoromethane	50	50.8	101	70	134
		Toluene-d8	50	51.9	104	74	123
		4-Bromofluorobenzene	50	50.6	101	38	136
VY0428SBSD01	VY0428SBSD01	1,2-Dichloroethane-d4	50	48.0	96	63	155
		Dibromofluoromethane	50	50.0	100	70	134
		Toluene-d8	50	50.3	101	74	123
		4-Bromofluorobenzene	50	48.8	98	38	136
VY0429SBL01	VY0429SBL01	1,2-Dichloroethane-d4	50	50.3	101	63	155
		Dibromofluoromethane	50	49.9	100	70	134
		Toluene-d8	50	47.6	95	74	123
		4-Bromofluorobenzene	50	56.5	113	38	136
VY0429SBS01	VY0429SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	50.2	100	70	134
		Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.6	99	38	136

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Datafile : VY022023.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0428SBS01	Dichlorodifluoromethane	20	19.6	ug/Kg	98			64	136	
	Chloromethane	20	21.4	ug/Kg	107			70	130	
	Vinyl chloride	20	20.7	ug/Kg	104			72	129	
	Ethyl Acetate	20	18.8	ug/Kg	94			77	113	
	Isopropylacetate	20	18.6	ug/Kg	93			84	110	
	Bromomethane	20	21.9	ug/Kg	110			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Tetrahydrofuran	100	91.2	ug/Kg	91			78	107	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101			81	123	
	Tert butyl alcohol	100	92.7	ug/Kg	93			24	175	
	Diethyl Ether	20	18.9	ug/Kg	95			87	115	
	1,1-Dichloroethene	20	20.3	ug/Kg	102			79	121	
	Acrolein	100	78.2	ug/Kg	78			54	141	
	Acrylonitrile	100	94.1	ug/Kg	94			68	136	
	Acetone	100	88.8	ug/Kg	89			60	131	
	Carbon disulfide	20	20.2	ug/Kg	101			45	154	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			77	129	
	Methyl Acetate	20	19.6	ug/Kg	98			69	149	
	Methylene Chloride	20	19.9	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			80	123	
	Vinyl Acetate	100	94.9	ug/Kg	95			86	117	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	19.3	ug/Kg	97			76	122	
	2-Butanone	100	89.4	ug/Kg	89			69	131	
	Carbon Tetrachloride	20	20.9	ug/Kg	104			76	129	
	2,2-Dichloropropane	20	21.2	ug/Kg	106			62	143	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	19.1	ug/Kg	96			77	123	
	1,1-Dichloropropene	20	20.0	ug/Kg	100			84	119	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Dibromomethane	20	20.2	ug/Kg	101			83	119	
	Bromodichloromethane	20	21.0	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	100	92.8	ug/Kg	93			70	135	
	Methyl methacrylate	20	18.4	ug/Kg	92			77	121	
	Toluene	20	21.1	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102			82	125	
	1,3-Dichloropropane	20	20.1	ug/Kg	101			80	125	
	2-Chloroethyl vinyl ether	100	90.9	ug/Kg	91			36	195	
	2-Hexanone	100	89.9	ug/Kg	90			66	138	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Datafile : VY022023.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0428SBS01	Dibromochloromethane	20	20.5	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			80	125	
	Tetrachloroethene	20	21.1	ug/Kg	106			83	125	
	Chlorobenzene	20	20.5	ug/Kg	103			84	122	
	1,1,1,2-Tetrachloroethane	20	20.6	ug/Kg	103			84	123	
	Hexachloroethane	20	19.9	ug/Kg	100			76	121	
	Ethyl Benzene	20	20.0	ug/Kg	100			82	124	
	m/p-Xylenes	40	41.2	ug/Kg	103			83	124	
	o-Xylene	20	20.2	ug/Kg	101			83	123	
	Styrene	20	20.2	ug/Kg	101			82	124	
	Bromoform	20	20.4	ug/Kg	102			75	127	
	Isopropylbenzene	20	19.5	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			77	127	
	1,2,3-Trichloropropane	20	18.4	ug/Kg	92			58	144	
	Bromobenzene	20	20.1	ug/Kg	101			83	120	
	N-propylbenzene	20	20.0	ug/Kg	100			81	123	
	2-Chlorotoluene	20	20.1	ug/Kg	101			84	118	
	1,3,5-Trimethylbenzene	20	20.0	ug/Kg	100			82	124	
	4-Chlorotoluene	20	20.6	ug/Kg	103			82	122	
	tert-Butylbenzene	20	19.5	ug/Kg	98			81	125	
	1,2,4-Trimethylbenzene	20	20.0	ug/Kg	100			81	125	
	Sec-butylbenzene	20	19.7	ug/Kg	99			80	124	
	p-Isopropyltoluene	20	19.8	ug/Kg	99			81	125	
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101			83	122	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			84	121	
	n-Butylbenzene	20	18.9	ug/Kg	95			78	126	
	1,2-Dichlorobenzene	20	19.9	ug/Kg	100			83	124	
	1,2-Dibromo-3-Chloropropane	20	16.7	ug/Kg	84			66	134	
	1,2,4-Trichlorobenzene	20	18.5	ug/Kg	93			78	127	
	Hexachlorobutadiene	20	19.8	ug/Kg	99			80	123	
	Naphthalene	20	16.3	ug/Kg	81			70	134	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70	137	
	N-amyl acetate	20	17.0	ug/Kg	85			85	115	
	Methyl iodide	20	19.7	ug/Kg	99			57	135	
	Allyl chloride	20	19.7	ug/Kg	99			89	113	
	Methacrylonitrile	20	17.9	ug/Kg	90			75	120	
	trans-1,4-Dichloro-2-butene	20	18.4	ug/Kg	92			74	115	
	Diisopropyl ether	20	20.5	ug/Kg	103			88	125	
	1,4-Dioxane	400	380	ug/Kg	95			61	144	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Datafile : VY022024.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0428SBSD01	Dichlorodifluoromethane	20	19.3	ug/Kg	97	1		64	136	20
	Chloromethane	20	20.5	ug/Kg	103	4		70	130	20
	Vinyl chloride	20	19.7	ug/Kg	99	5		72	129	20
	Ethyl Acetate	20	20.2	ug/Kg	101	7		77	113	20
	Isopropylacetate	20	19.4	ug/Kg	97	4		84	110	20
	Bromomethane	20	20.2	ug/Kg	101	9		58	141	20
	Chloroethane	20	19.3	ug/Kg	97	9		69	130	20
	Tetrahydrofuran	100	95.0	ug/Kg	95	4		78	107	20
	Trichlorofluoromethane	20	19.5	ug/Kg	98	6		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	1		81	123	20
	Tert butyl alcohol	100	94.5	ug/Kg	95	2		24	175	20
	Diethyl Ether	20	18.7	ug/Kg	94	1		87	115	20
	1,1-Dichloroethene	20	19.6	ug/Kg	98	4		79	121	20
	Acrolein	100	80.4	ug/Kg	80	3		54	141	20
	Acrylonitrile	100	94.6	ug/Kg	95	1		68	136	20
	Acetone	100	91.7	ug/Kg	92	3		60	131	20
	Carbon disulfide	20	19.6	ug/Kg	98	3		45	154	20
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	1		77	129	20
	Methyl Acetate	20	20.4	ug/Kg	102	4		69	149	20
	Methylene Chloride	20	19.6	ug/Kg	98	2		56	174	20
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100	2		80	123	20
	Vinyl Acetate	100	95.9	ug/Kg	96	1		86	117	20
	1,1-Dichloroethane	20	19.7	ug/Kg	99	4		82	123	20
	Cyclohexane	20	18.8	ug/Kg	94	3		76	122	20
	2-Butanone	100	91.2	ug/Kg	91	2		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	5		76	129	20
	2,2-Dichloropropane	20	20.1	ug/Kg	101	5		62	143	20
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98	2		82	123	20
	Bromochloromethane	20	19.3	ug/Kg	97	5		80	127	20
	Chloroform	20	20.5	ug/Kg	103	2		82	125	20
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101	2		80	126	20
	Methylcyclohexane	20	18.6	ug/Kg	93	3		77	123	20
	1,1-Dichloropropene	20	20.3	ug/Kg	102	2		84	119	20
	Benzene	20	20.4	ug/Kg	102	3		84	121	20
	1,2-Dichloroethane	20	20.6	ug/Kg	103	1		81	126	20
	Trichloroethene	20	20.5	ug/Kg	103	1		83	122	20
	1,2-Dichloropropane	20	20.2	ug/Kg	101	1		83	122	20
	Dibromomethane	20	20.4	ug/Kg	102	1		83	119	20
	Bromodichloromethane	20	20.5	ug/Kg	103	2		82	123	20
	4-Methyl-2-Pentanone	100	96.4	ug/Kg	96	3		70	135	20
	Methyl methacrylate	20	18.7	ug/Kg	94	2		77	121	20
	Toluene	20	20.7	ug/Kg	104	2		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		78	124	20
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		81	122	20
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105	3		82	125	20
	1,3-Dichloropropane	20	20.1	ug/Kg	101	0		80	125	20
	2-Chloroethyl vinyl ether	100	95.4	ug/Kg	95	4		36	195	20
	2-Hexanone	100	95.4	ug/Kg	95	5		66	138	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Datafile : VY022024.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0428SBSD01	Dibromochloromethane	20	20.3	ug/Kg	102	1		79	125	20
	1,2-Dibromoethane	20	20.7	ug/Kg	104	4		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	3		83	125	20
	Chlorobenzene	20	19.9	ug/Kg	100	3		84	122	20
	1,1,1,2-Tetrachloroethane	20	20.6	ug/Kg	103	0		84	123	20
	Hexachloroethane	20	19.6	ug/Kg	98	2		76	121	20
	Ethyl Benzene	20	19.7	ug/Kg	99	1		82	124	20
	m/p-Xylenes	40	40.4	ug/Kg	101	2		83	124	20
	o-Xylene	20	19.9	ug/Kg	100	1		83	123	20
	Styrene	20	20.2	ug/Kg	101	0		82	124	20
	Bromoform	20	20.6	ug/Kg	103	1		75	127	20
	Isopropylbenzene	20	19.5	ug/Kg	98	0		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	3		77	127	20
	1,2,3-Trichloropropane	20	18.8	ug/Kg	94	2		58	144	20
	Bromobenzene	20	20.4	ug/Kg	102	1		83	120	20
	N-propylbenzene	20	19.8	ug/Kg	99	1		81	123	20
	2-Chlorotoluene	20	19.8	ug/Kg	99	2		84	118	20
	1,3,5-Trimethylbenzene	20	19.8	ug/Kg	99	1		82	124	20
	4-Chlorotoluene	20	20.3	ug/Kg	102	1		82	122	20
	tert-Butylbenzene	20	19.4	ug/Kg	97	1		81	125	20
	1,2,4-Trimethylbenzene	20	20.0	ug/Kg	100	0		81	125	20
	Sec-butylbenzene	20	19.6	ug/Kg	98	1		80	124	20
	p-Isopropyltoluene	20	19.8	ug/Kg	99	0		81	125	20
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	1		83	122	20
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102	2		84	121	20
	n-Butylbenzene	20	19.0	ug/Kg	95	0		78	126	20
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101	1		83	124	20
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96	13		66	134	20
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97	4		78	127	20
	Hexachlorobutadiene	20	20.2	ug/Kg	101	2		80	123	20
	Naphthalene	20	17.7	ug/Kg	89	9		70	134	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	6		70	137	20
	N-amyl acetate	20	18.0	ug/Kg	90	6		85	115	20
	Methyl iodide	20	20.0	ug/Kg	100	1		57	135	20
	Allyl chloride	20	19.0	ug/Kg	95	4		89	113	20
	Methacrylonitrile	20	18.4	ug/Kg	92	2		75	120	20
	trans-1,4-Dichloro-2-butene	20	19.0	ug/Kg	95	3		74	115	20
	Diisopropyl ether	20	19.8	ug/Kg	99	4		88	125	20
	1,4-Dioxane	400	400	ug/Kg	100	5		61	144	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Datafile : VY022048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0429SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			64	136	
	Chloromethane	20	20.3	ug/Kg	102			70	130	
	Vinyl chloride	20	19.0	ug/Kg	95			72	129	
	Ethyl Acetate	20	18.3	ug/Kg	92			77	113	
	Isopropylacetate	20	18.2	ug/Kg	91			84	110	
	Bromomethane	20	19.5	ug/Kg	98			58	141	
	Chloroethane	20	18.9	ug/Kg	95			69	130	
	Tetrahydrofuran	100	88.8	ug/Kg	89			78	107	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/Kg	98			81	123	
	Tert butyl alcohol	100	88.5	ug/Kg	89			24	175	
	Diethyl Ether	20	18.8	ug/Kg	94			87	115	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acrolein	100	88.6	ug/Kg	89			54	141	
	Acrylonitrile	100	92.4	ug/Kg	92			68	136	
	Acetone	100	87.0	ug/Kg	87			60	131	
	Carbon disulfide	20	19.6	ug/Kg	98			45	154	
	Methyl tert-butyl Ether	20	18.3	ug/Kg	92			77	129	
	Methyl Acetate	20	20.7	ug/Kg	104			69	149	
	Methylene Chloride	20	18.7	ug/Kg	94			56	174	
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98			80	123	
	Vinyl Acetate	100	91.2	ug/Kg	91			86	117	
	1,1-Dichloroethane	20	19.3	ug/Kg	97			82	123	
	Cyclohexane	20	18.7	ug/Kg	94			76	122	
	2-Butanone	100	88.4	ug/Kg	88			69	131	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			76	129	
	2,2-Dichloropropane	20	19.8	ug/Kg	99			62	143	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			82	123	
	Bromochloromethane	20	19.1	ug/Kg	96			80	127	
	Chloroform	20	20.0	ug/Kg	100			82	125	
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100			80	126	
	Methylcyclohexane	20	18.2	ug/Kg	91			77	123	
	1,1-Dichloropropene	20	19.6	ug/Kg	98			84	119	
	Benzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			83	122	
	Dibromomethane	20	19.6	ug/Kg	98			83	119	
	Bromodichloromethane	20	20.1	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	91.1	ug/Kg	91			70	135	
	Methyl methacrylate	20	17.5	ug/Kg	88			77	121	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.0	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101			82	125	
	1,3-Dichloropropane	20	19.9	ug/Kg	100			80	125	
	2-Chloroethyl vinyl ether	100	91.2	ug/Kg	91			36	195	
	2-Hexanone	100	87.0	ug/Kg	87			66	138	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW8260D

Datafile : VY022048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0429SBS01	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	20.9	ug/Kg	104			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	1,1,1,2-Tetrachloroethane	20	20.1	ug/Kg	101			84	123	
	Hexachloroethane	20	19.5	ug/Kg	98			76	121	
	Ethyl Benzene	20	19.4	ug/Kg	97			82	124	
	m/p-Xylenes	40	40.2	ug/Kg	101			83	124	
	o-Xylene	20	19.2	ug/Kg	96			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.4	ug/Kg	97			75	127	
	Isopropylbenzene	20	19.1	ug/Kg	96			82	124	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			77	127	
	1,2,3-Trichloropropane	20	18.9	ug/Kg	95			58	144	
	Bromobenzene	20	19.7	ug/Kg	99			83	120	
	N-propylbenzene	20	19.6	ug/Kg	98			81	123	
	2-Chlorotoluene	20	19.6	ug/Kg	98			84	118	
	1,3,5-Trimethylbenzene	20	19.5	ug/Kg	98			82	124	
	4-Chlorotoluene	20	19.9	ug/Kg	100			82	122	
	tert-Butylbenzene	20	18.9	ug/Kg	95			81	125	
	1,2,4-Trimethylbenzene	20	19.6	ug/Kg	98			81	125	
	Sec-butylbenzene	20	19.6	ug/Kg	98			80	124	
	p-Isopropyltoluene	20	19.4	ug/Kg	97			81	125	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	n-Butylbenzene	20	18.2	ug/Kg	91			78	126	
	1,2-Dichlorobenzene	20	19.5	ug/Kg	98			83	124	
	1,2-Dibromo-3-Chloropropane	20	17.4	ug/Kg	87			66	134	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			78	127	
	Hexachlorobutadiene	20	18.7	ug/Kg	94			80	123	
	Naphthalene	20	16.0	ug/Kg	80			70	134	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			70	137	
	N-amyl acetate	20	16.7	ug/Kg	84		*	85	115	
	Methyl iodide	20	18.5	ug/Kg	93			57	135	
	Allyl chloride	20	19.0	ug/Kg	95			89	113	
	Methacrylonitrile	20	18.6	ug/Kg	93			75	120	
	trans-1,4-Dichloro-2-butene	20	18.6	ug/Kg	93			74	115	
	Diisopropyl ether	20	19.7	ug/Kg	99			88	125	
	1,4-Dioxane	400	360	ug/Kg	90			61	144	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0428SBL01

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab File ID: VY022022.D

Lab Sample ID: VY0428SBL01

Date Analyzed: 04/28/2025

Time Analyzed: 11:08

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
VY0428SBS01	VY0428SBS01	VY022023.D	04/28/2025
VY0428SBSD01	VY0428SBSD01	VY022024.D	04/28/2025
HW0425-PT-VOA-SOIL	Q1872-23	VY022025.D	04/28/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0429SBL01

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab File ID: VY022047.D

Lab Sample ID: VY0429SBL01

Date Analyzed: 04/29/2025

Time Analyzed: 10:00

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
VY0429SBS01	VY0429SBS01	VY022048.D	04/29/2025
HW0425-PT-VOA-SOILDL	Q1872-23DL	VY022051.D	04/29/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY021952.D BFB Injection Date: 04/22/2025
Instrument ID: MSVOA_Y BFB Injection Time: 11:33
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	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY021953.D	04/22/2025	13:39
VSTDIC010	VSTDIC010	VY021954.D	04/22/2025	14:44
VSTDIC020	VSTDIC020	VY021955.D	04/22/2025	15:07
VSTDIC050	VSTDIC050	VY021956.D	04/22/2025	15:29
VSTDIC100	VSTDIC100	VY021957.D	04/22/2025	15:52
VSTDIC150	VSTDIC150	VY021958.D	04/22/2025	16:15



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY022020.D BFB Injection Date: 04/28/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:29
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	16.1
75	30.0 - 60.0% of mass 95	47.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	88.6
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	85.9 (96.9) 1
177	5.0 - 9.0% of mass 176	5.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022021.D	04/28/2025	09:59
VY0428SBL01	VY0428SBL01	VY022022.D	04/28/2025	11:08
VY0428SBS01	VY0428SBS01	VY022023.D	04/28/2025	11:40
VY0428SBSD01	VY0428SBSD01	VY022024.D	04/28/2025	12:02
HW0425-PT-VOA-SOIL	Q1872-23	VY022025.D	04/28/2025	12:41



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY022045.D BFB Injection Date: 04/29/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:20
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	15.7
75	30.0 - 60.0% of mass 95	47.3
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	1.5 (1.6) 1
174	50.0 - 100.0% of mass 95	92.9
175	5.0 - 9.0% of mass 174	7 (7.5) 1
176	95.0 - 101.0% of mass 174	88.9 (95.7) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 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	VY022046.D	04/29/2025	09:28
VY0429SBL01	VY0429SBL01	VY022047.D	04/29/2025	10:00
VY0429SBS01	VY0429SBS01	VY022048.D	04/29/2025	10:31
HW0425-PT-VOA-SOILDL	Q1872-23DL	VY022051.D	04/29/2025	12:22

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY022021.D Date Analyzed: 04/28/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	316866	7.71	463292	8.62	436582	11.42
UPPER LIMIT	633732	8.207	926584	9.116	873164	11.92
LOWER LIMIT	158433	7.207	231646	8.116	218291	10.92
EPA SAMPLE NO.						
HW0425-PT-VOA-SOIL	301694	7.71	467949	8.62	436036	11.41
VY0428SBL01	311923	7.71	578371	8.62	493590	11.42
VY0428SBS01	288803	7.71	451635	8.62	414911	11.41
VY0428SBSD01	304169	7.71	466723	8.62	430101	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY022021.D Date Analyzed: 04/28/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	238558	13.346				
UPPER LIMIT	477116	13.846				
LOWER LIMIT	119279	12.846				
EPA SAMPLE NO.						
HW0425-PT-VOA-SOIL	221687	13.35				
VY0428SBL01	183874	13.35				
VY0428SBS01	223411	13.35				
VY0428SBSD01	228742	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY022046.D Date Analyzed: 04/29/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:28
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	330337	7.71	485397	8.62	453549	11.42
UPPER LIMIT	660674	8.207	970794	9.116	907098	11.92
LOWER LIMIT	165169	7.207	242699	8.116	226775	10.92
EPA SAMPLE NO.						
HW0425-PT-VOA-SOILDL	274790	7.71	444877	8.62	398616	11.41
VY0429SBL01	323132	7.71	602161	8.62	529726	11.42
VY0429SBS01	295160	7.71	455592	8.62	411306	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab File ID: VY022046.D Date Analyzed: 04/29/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:28
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	245911	13.346				
UPPER LIMIT	491822	13.846				
LOWER LIMIT	122956	12.846				
EPA SAMPLE NO.						
HW0425-PT-VOA-SOILDL	202989	13.35				
VY0429SBL01	203699	13.35				
VY0429SBS01	220609	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022025.D	1		04/28/25 12:41	VY042825

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
141-78-6	Ethyl Acetate	1.30	U	1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.91	U	0.91	5.00	ug/Kg
74-83-9	Bromomethane	1.20	J	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
109-99-9	Tetrahydrofuran	4.70	U	4.70	25.0	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
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	0.77	U	0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	150		1.00	5.00	ug/Kg
107-02-8	Acrolein	8.80	U	8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	ug/Kg
67-64-1	Acetone	440		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	180	E	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
108-05-4	Vinyl Acetate	4.90	U	4.90	25.0	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	340		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	110		0.97	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	150	E	1.30	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	43.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	74.8		0.84	5.00	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022025.D	1		04/28/25 12:41	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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
563-58-6	1,1-Dichloropropene	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	93.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	48.0		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	56.0		0.91	5.00	ug/Kg
74-95-3	Dibromomethane	0.89	U	0.89	5.00	ug/Kg
75-27-4	Bromodichloromethane	180	E	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360		3.60	25.0	ug/Kg
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	190	E	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	120		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	110		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	73.6		0.92	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	3.80	25.0	ug/Kg
591-78-6	2-Hexanone	350		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	75.7		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	100		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	93.3		0.91	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	160	E	0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	1.10	U	1.10	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	120		1.20	10.0	ug/Kg
1330-20-7	Total Xylenes	250		2.02	15.0	ug/Kg
95-47-6	o-Xylene	130		0.82	5.00	ug/Kg
100-42-5	Styrene	140		0.71	5.00	ug/Kg
75-25-2	Bromoform	99.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022025.D	1		04/28/25 12:41	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	110		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	1.20	U	1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	0.73	U	0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.68	U	0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.82	U	0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	1.20	U	1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	180	E	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.66	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.62	U	0.62	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	25.9		1.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	57.3		1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.4		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	56.9		3.00	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	1.90	U	1.90	5.00	ug/Kg
91-20-3	Naphthalene	2.60	U	2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	0.97	U	0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/Kg
107-05-1	Allyl chloride	0.78	U	0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.80	U	1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	110		0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	48.1	U	48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-VOA-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022025.D	1		04/28/25 12:41	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	47.4		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.707			
540-36-3	1,4-Difluorobenzene	468000	8.616			
3114-55-4	Chlorobenzene-d5	436000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022025.D
 Acq On : 28 Apr 2025 12:41
 Operator : SY/MD
 Sample : Q1872-23
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOIL

Quant Time: Apr 29 03:53:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	301694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	467949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	436036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221687	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134135	48.134	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.260%
35) Dibromofluoromethane	7.634	113	149977	48.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.020%
50) Toluene-d8	10.109	98	592466	50.834	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.660%
62) 4-Bromofluorobenzene	12.408	95	185929	47.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.780%

Target Compounds					Qvalue	
5) Bromomethane	2.598	94	4684	1.209	ug/l	89
12) 1,1-Dichloroethene	3.787	96	435641	145.254	ug/l	99
16) Acetone	3.872	43	156040	444.402	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	1192964	177.716	ug/l	99
20) Methylene Chloride	4.610	84	5516	1.565	ug/l	92
22) Diisopropyl ether	6.018	45	864255	111.208	ug/l	95
25) 2-Butanone	6.890	43	217432	342.297	ug/l	100
26) 2,2-Dichloropropane	6.884	77	710487	150.482	ug/l	95
27) cis-1,2-Dichloroethene	6.884	96	163278	43.475	ug/l	77
30) Chloroform	7.421	83	446922	74.796	ug/l	99
38) Carbon Tetrachloride	7.817	117	535378	107.890	ug/l	99
40) Benzene	8.079	78	1214121	93.528	ug/l	100
42) 1,2-Dichloroethane	8.158	62	154187	47.974	ug/l	99
45) 1,2-Dichloropropane	9.140	63	160767	56.002	ug/l	99
47) Bromodichloromethane	9.420	83	796926	177.515	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	544884	362.902	ug/l	99
52) Toluene	10.170	92	1630128	193.996	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	451255	117.187	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	484173	105.775	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	176727	73.622	ug/l	99
59) 2-Hexanone	10.761	43	342461	345.801	ug/l	99
60) Dibromochloromethane	10.914	129	251529	75.684	ug/l	100
64) Tetrachloroethene	10.646	164	417730	101.553	ug/l	98
65) Chlorobenzene	11.444	112	909935	93.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	533734	155.478	ug/l	99
68) m/p-Xylenes	11.627	106	777678	122.523	ug/l	99
69) o-Xylene	11.956	106	770636	131.730	ug/l	98
70) Styrene	11.969	104	1335048	135.916	ug/l	99
71) Bromoform	12.133	173	197793	99.103	ug/l #	99
76) 1,2,3-Trichloropropane	12.560	75	207793	109.430	ug/l #	100
84) 1,2,4-Trimethylbenzene	13.042	105	2183983	178.923	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	195134	25.920	ug/l	99
89) n-Butylbenzene	13.621	91	696238	57.277	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	354246	53.433	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	213810	56.911	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022025.D
Acq On : 28 Apr 2025 12:41
Operator : SY/MD
Sample : Q1872-23
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

Quant Time: Apr 29 03:53:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

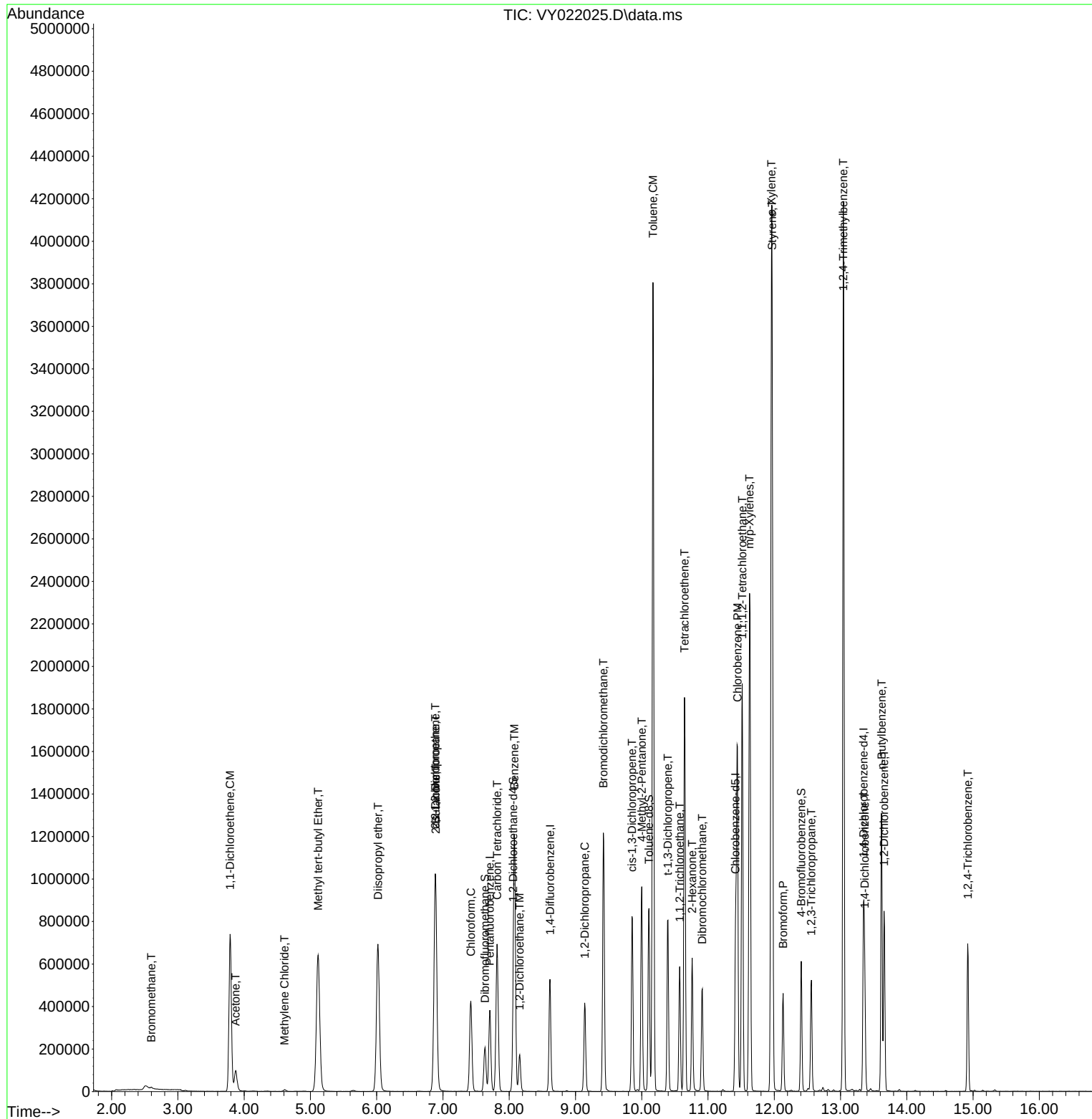
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

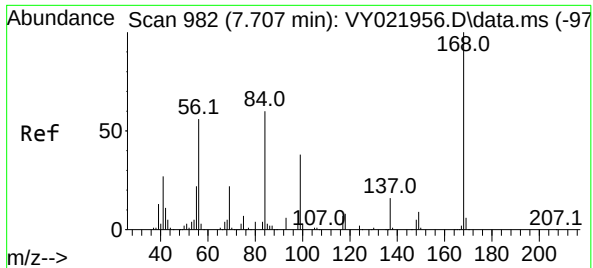
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022025.D
Acq On : 28 Apr 2025 12:41
Operator : SY/MD
Sample : Q1872-23
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

Quant Time: Apr 29 03:53:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

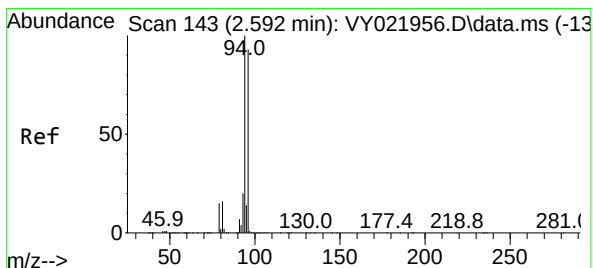
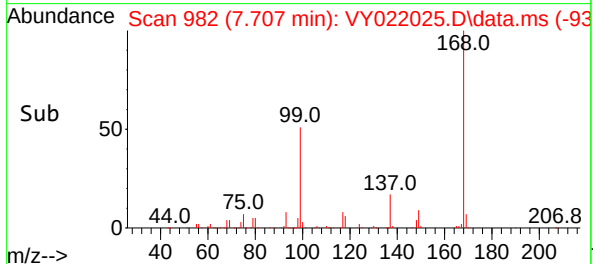
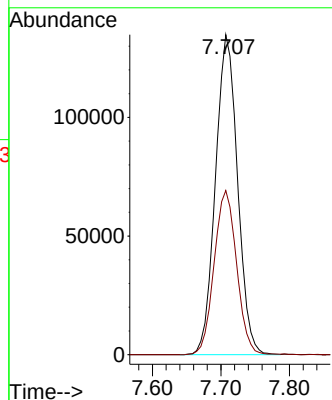
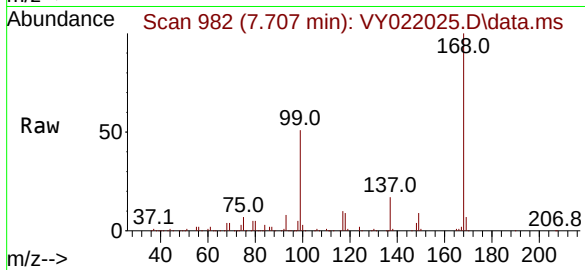




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

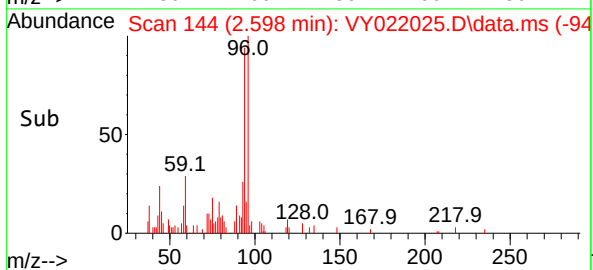
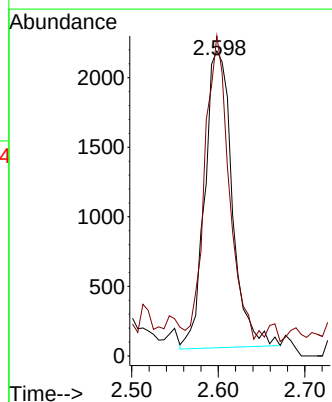
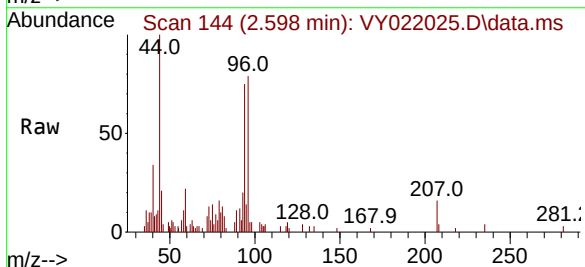
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

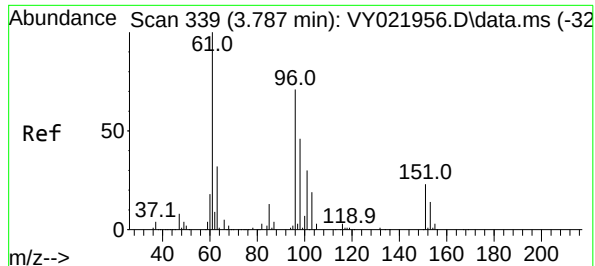
Tgt Ion:168 Resp: 301694
Ion Ratio Lower Upper
168 100
99 51.3 43.1 64.7



#5
Bromomethane
Concen: 1.209 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 94 Resp: 4684
Ion Ratio Lower Upper
94 100
96 103.8 74.6 111.8





#12

1,1-Dichloroethene

Concen: 145.254 ug/l

RT: 3.787 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

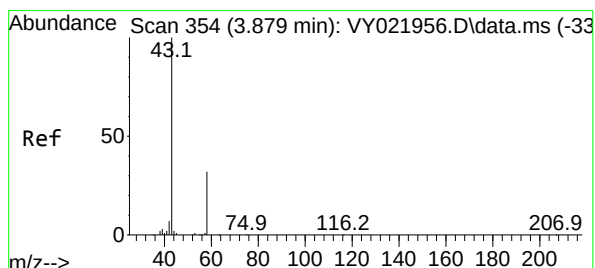
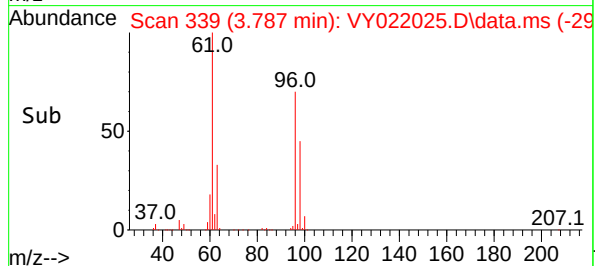
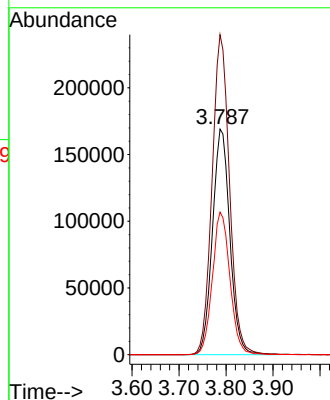
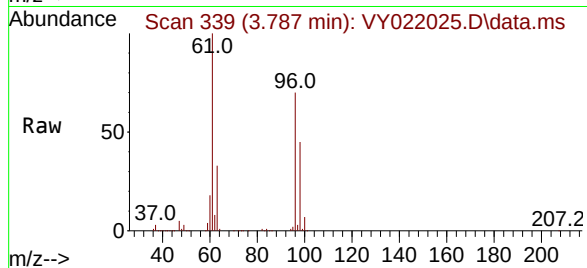
Tgt Ion: 96 Resp: 435641

Ion Ratio Lower Upper

96 100

61 141.9 113.0 169.4

98 63.2 51.4 77.2



#16

Acetone

Concen: 444.402 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.007 min

Lab File: VY022025.D

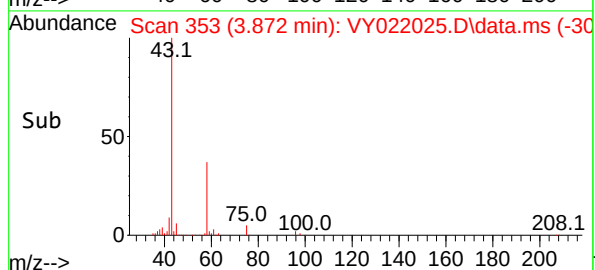
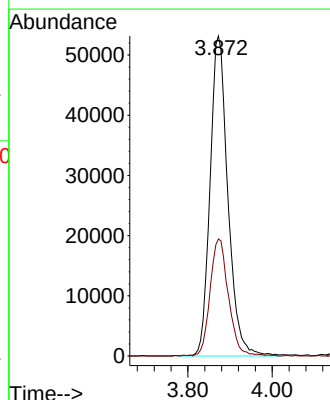
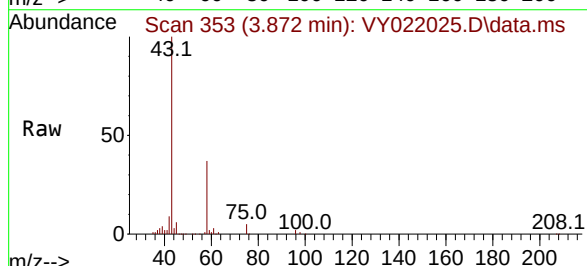
Acq: 28 Apr 2025 12:41

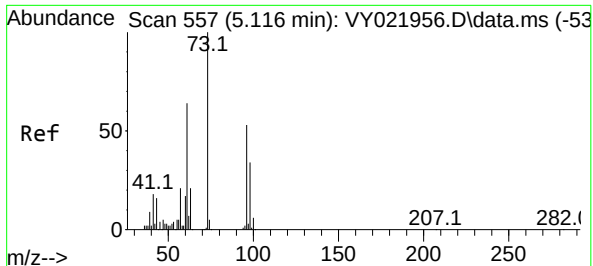
Tgt Ion: 43 Resp: 156040

Ion Ratio Lower Upper

43 100

58 36.6 27.0 40.4





#19

Methyl tert-butyl Ether

Concen: 177.716 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

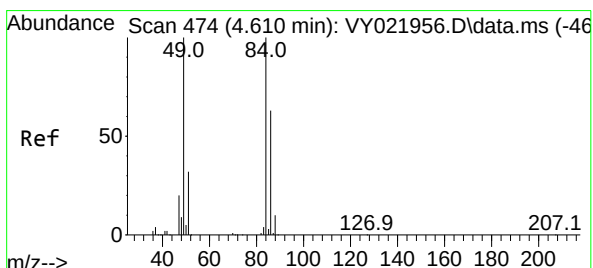
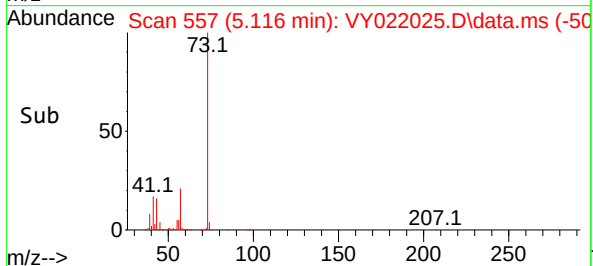
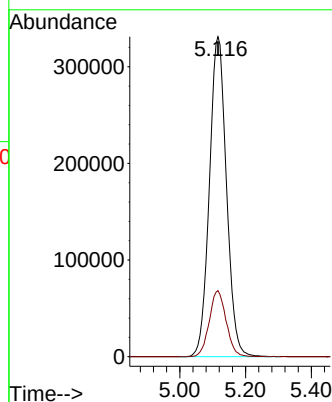
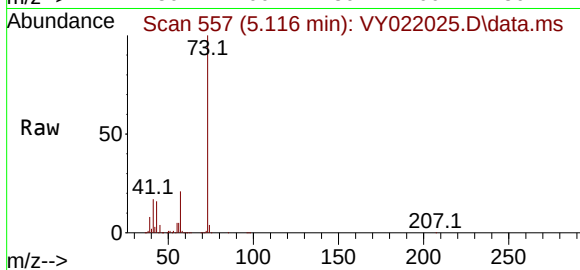
HW0425-PT-VOA-SOIL

Tgt Ion: 73 Resp: 1192964

Ion Ratio Lower Upper

73 100

57 20.7 16.9 25.3



#20

Methylene Chloride

Concen: 1.565 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Tgt Ion: 84 Resp: 5516

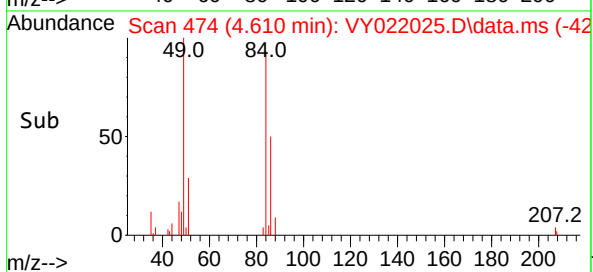
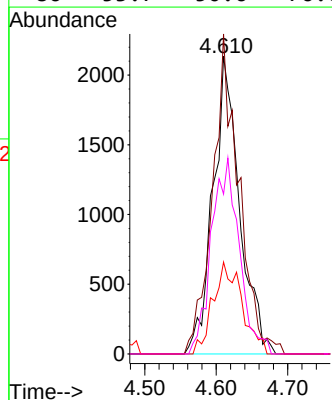
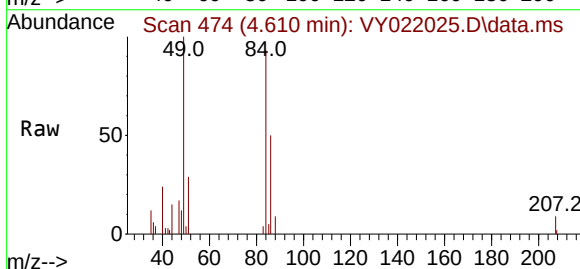
Ion Ratio Lower Upper

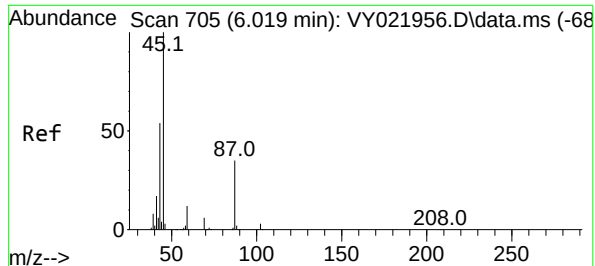
84 100

49 107.5 79.9 119.9

51 30.9 25.4 38.0

86 53.7 50.6 76.0





#22

Diisopropyl ether

Concen: 111.208 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

Tgt Ion: 45 Resp: 864255

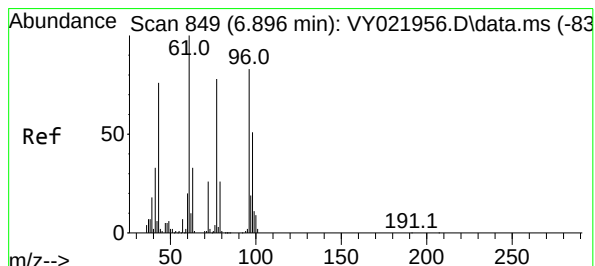
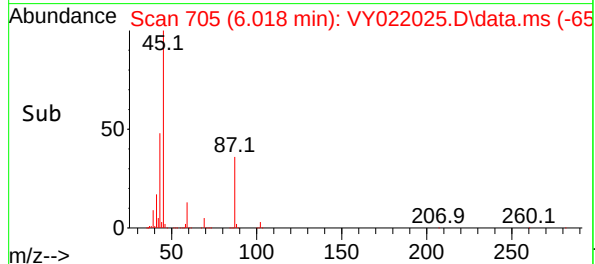
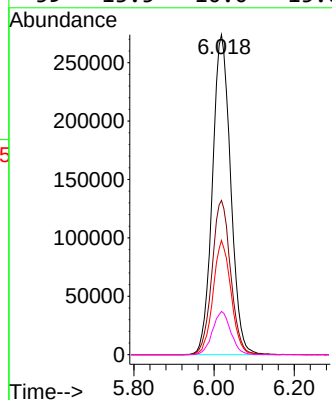
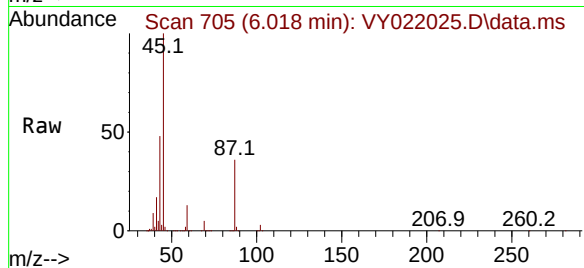
Ion Ratio Lower Upper

45 100

43 48.2 43.6 65.4

87 35.7 28.2 42.4

59 13.5 10.0 15.0



#25

2-Butanone

Concen: 342.297 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY022025.D

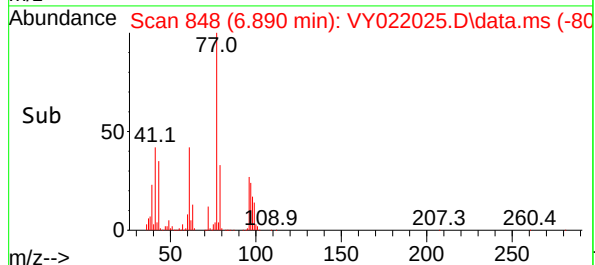
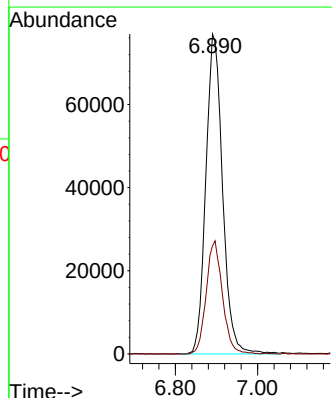
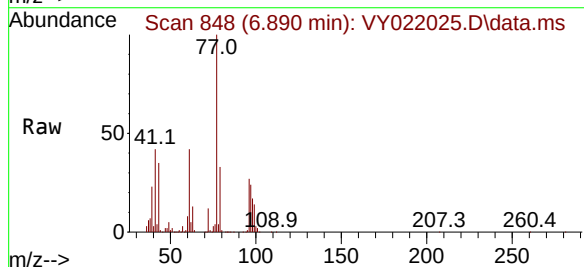
Acq: 28 Apr 2025 12:41

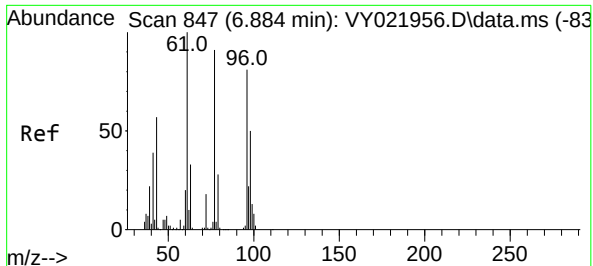
Tgt Ion: 43 Resp: 217432

Ion Ratio Lower Upper

43 100

72 33.8 27.0 40.4





#26

2,2-Dichloropropane

Concen: 150.482 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

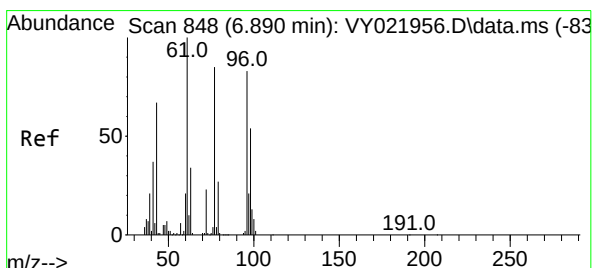
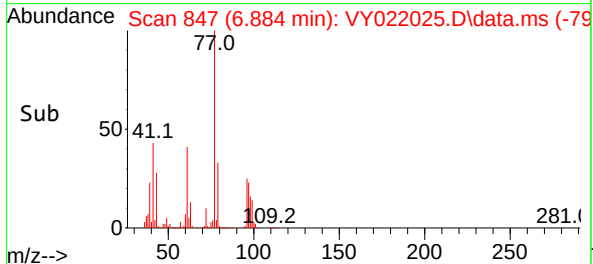
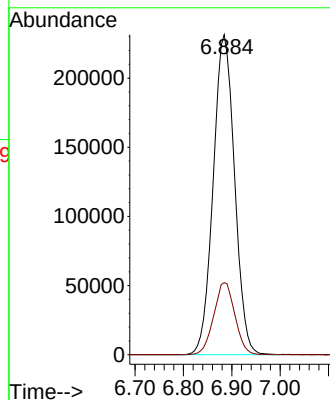
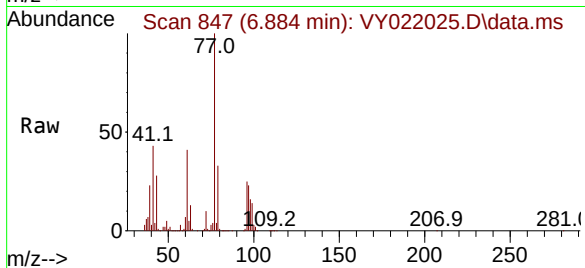
HW0425-PT-VOA-SOIL

Tgt Ion: 77 Resp: 710487

Ion Ratio Lower Upper

77 100

97 22.3 12.4 37.4



#27

cis-1,2-Dichloroethene

Concen: 43.475 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

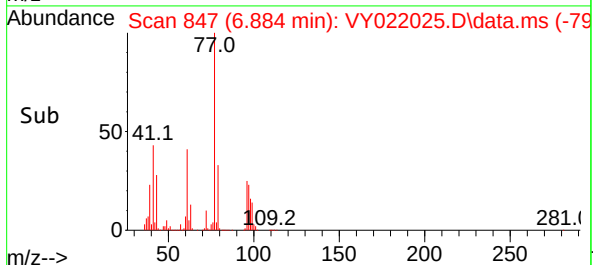
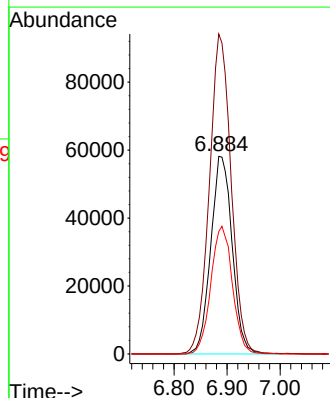
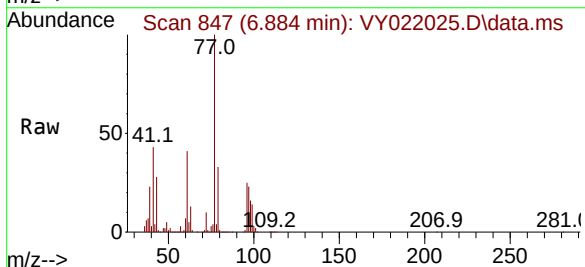
Tgt Ion: 96 Resp: 163278

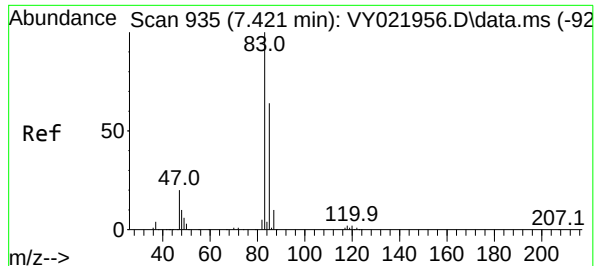
Ion Ratio Lower Upper

96 100

61 164.2 0.0 251.4

98 65.0 0.0 128.4





#30

Chloroform

Concen: 74.796 ug/l

RT: 7.421 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

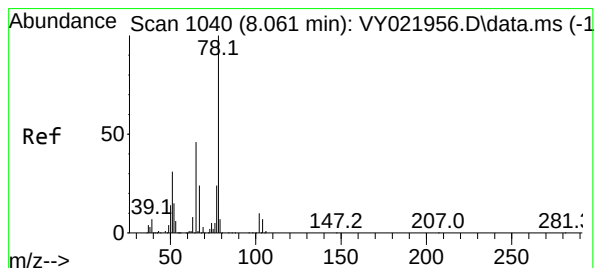
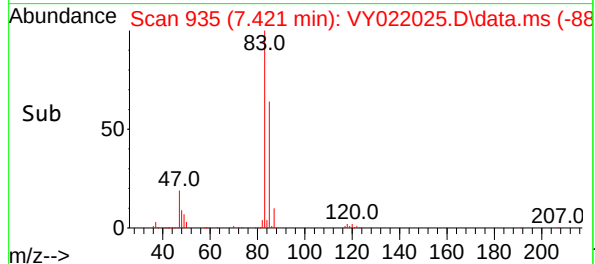
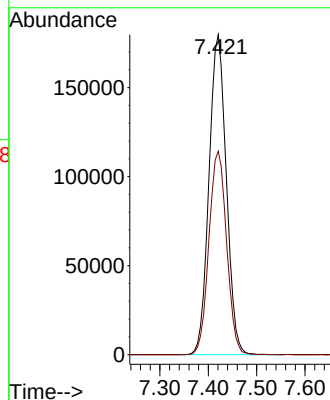
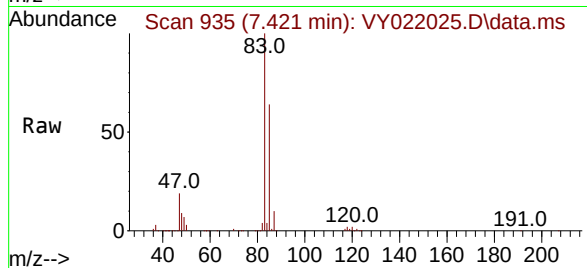
HW0425-PT-VOA-SOIL

Tgt Ion: 83 Resp: 446922

Ion Ratio Lower Upper

83 100

85 63.5 51.3 76.9



#33

1,2-Dichloroethane-d4

Concen: 48.134 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022025.D

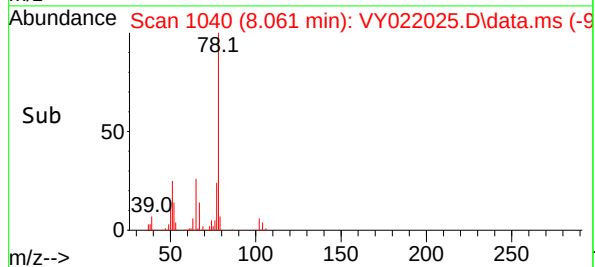
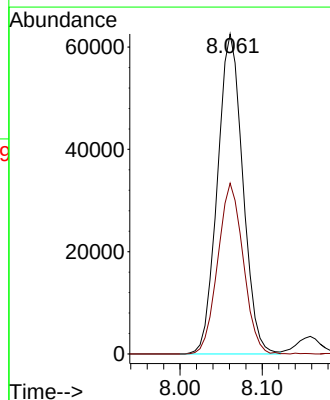
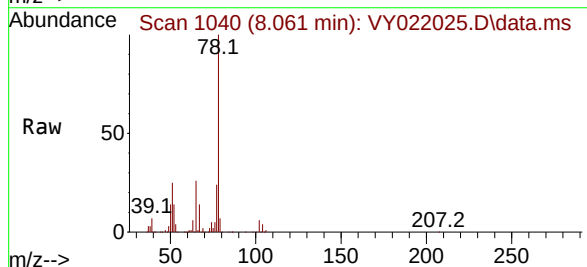
Acq: 28 Apr 2025 12:41

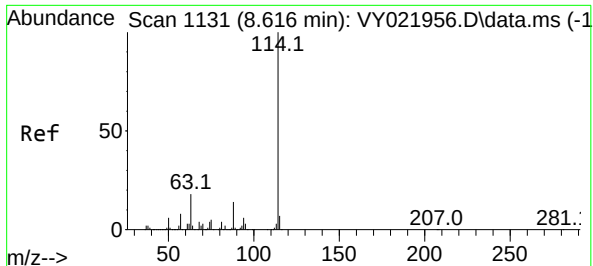
Tgt Ion: 65 Resp: 134135

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

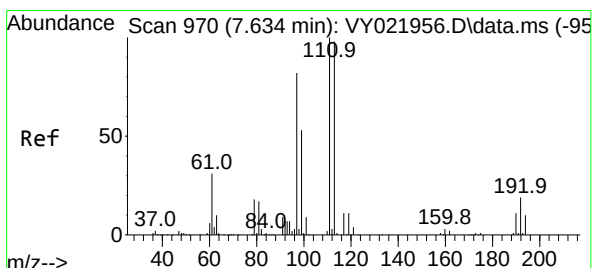
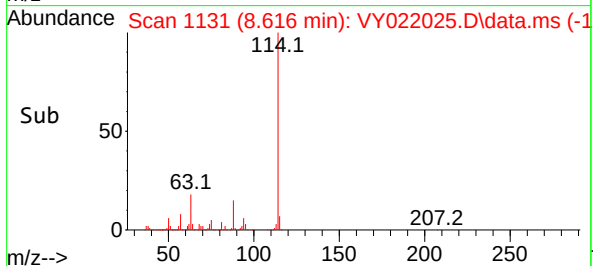
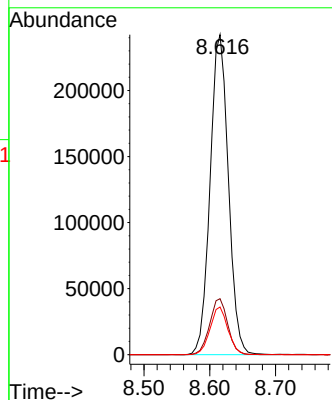
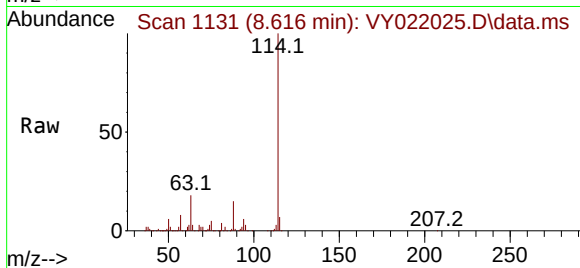
Tgt Ion:114 Resp: 467949

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.512 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

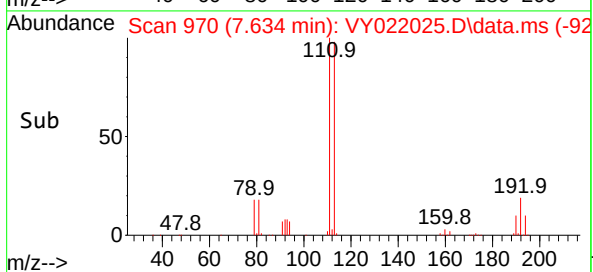
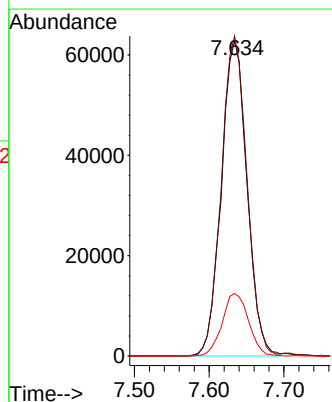
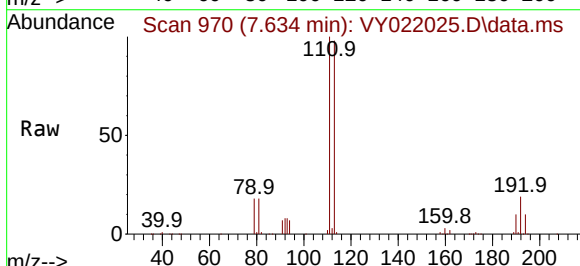
Tgt Ion:113 Resp: 149977

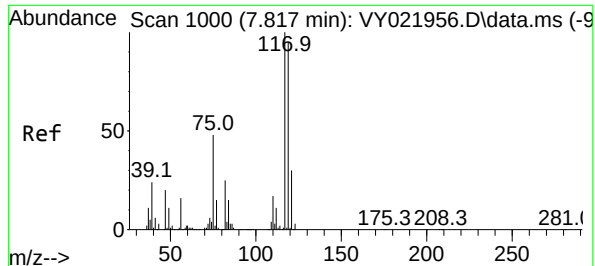
Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

192 20.3 15.6 23.4





#38

Carbon Tetrachloride

Concen: 107.890 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

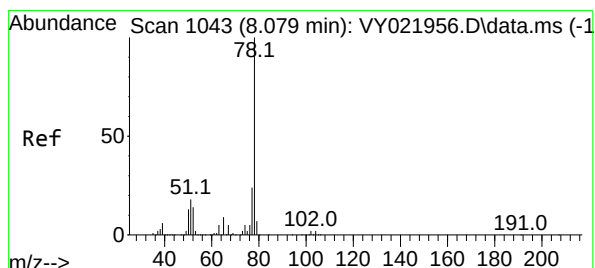
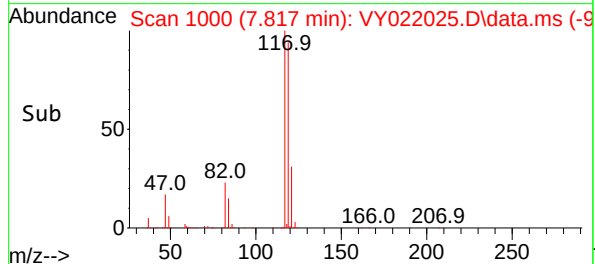
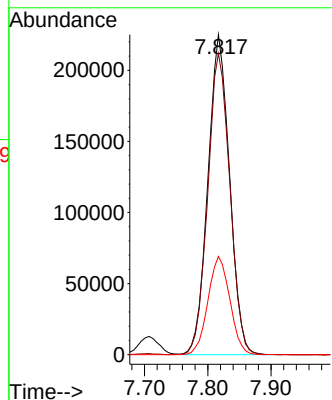
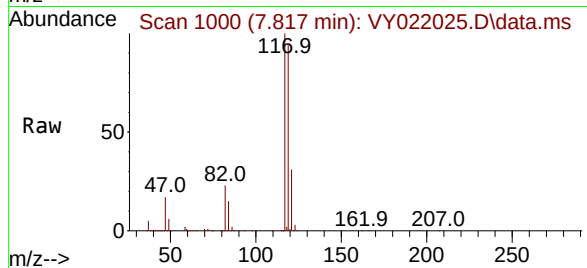
Tgt Ion:117 Resp: 535378

Ion Ratio Lower Upper

117 100

119 94.2 76.2 114.4

121 30.7 24.0 36.0



#40

Benzene

Concen: 93.528 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022025.D

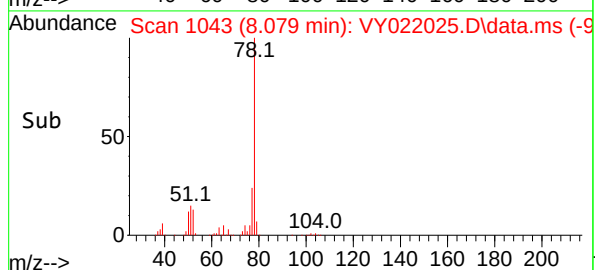
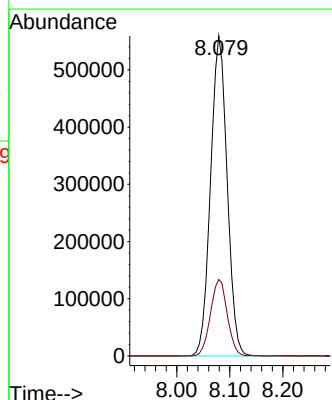
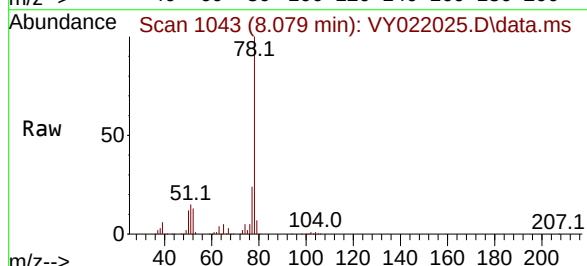
Acq: 28 Apr 2025 12:41

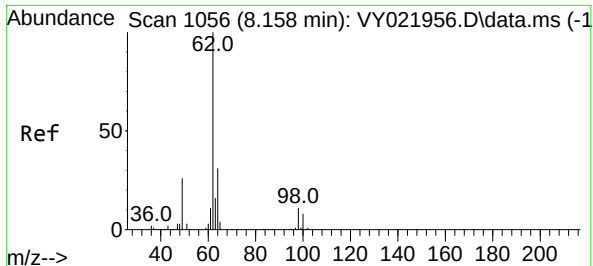
Tgt Ion: 78 Resp: 1214121

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9





#42

1,2-Dichloroethane

Concen: 47.974 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

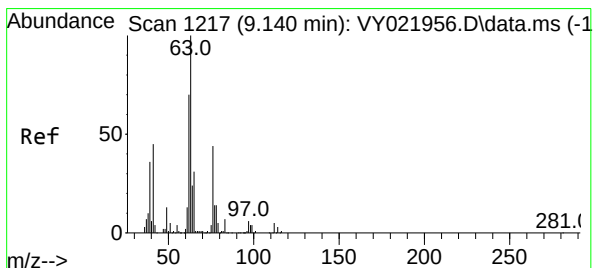
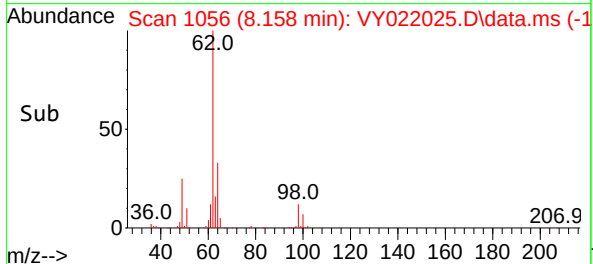
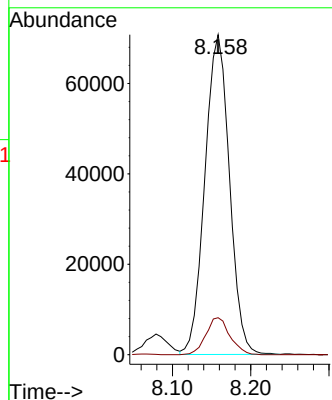
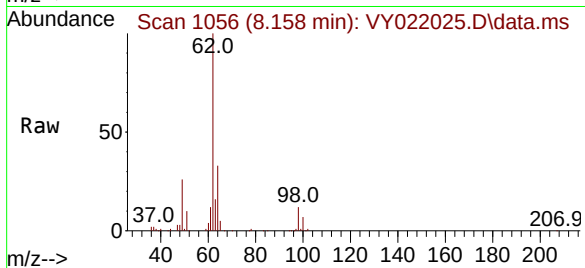
HW0425-PT-VOA-SOIL

Tgt Ion: 62 Resp: 154187

Ion Ratio Lower Upper

62 100

98 11.3 0.0 22.0



#45

1,2-Dichloropropane

Concen: 56.002 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022025.D

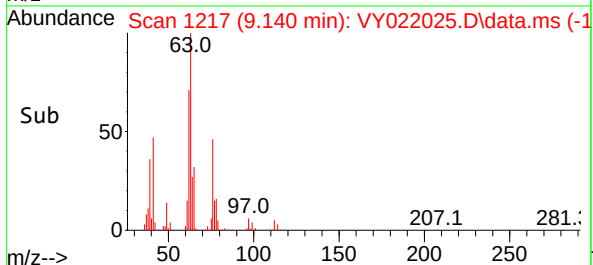
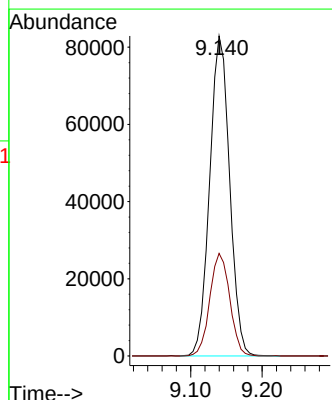
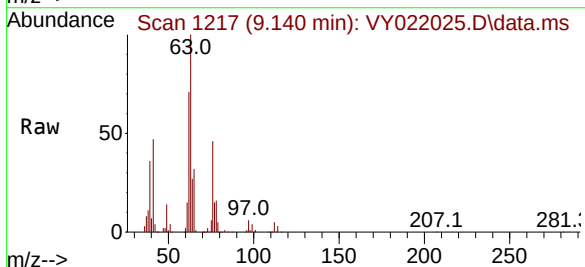
Acq: 28 Apr 2025 12:41

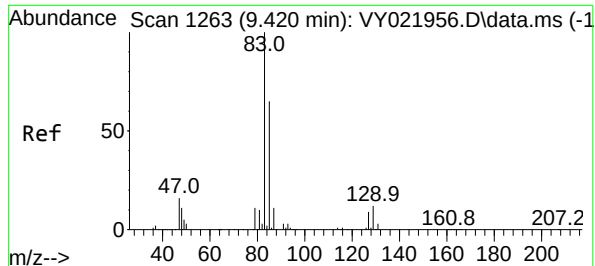
Tgt Ion: 63 Resp: 160767

Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8





#47

Bromodichloromethane

Concen: 177.515 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

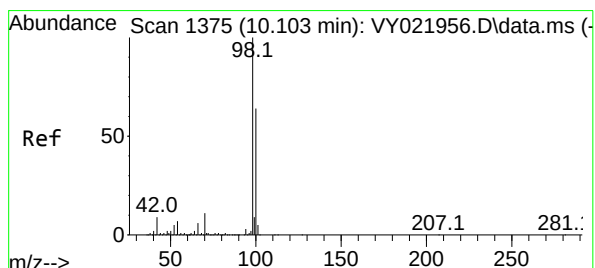
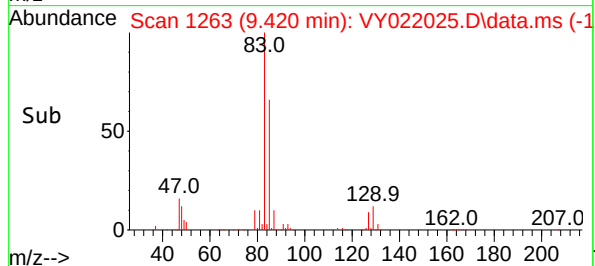
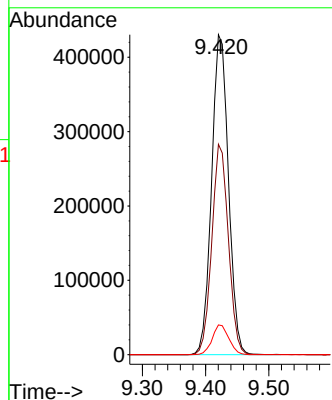
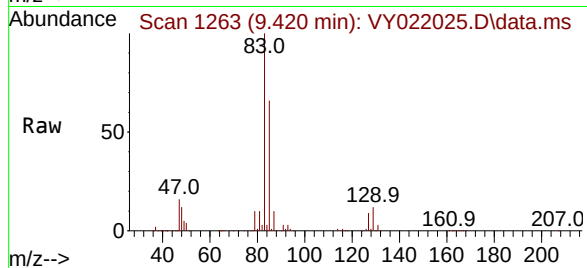
Tgt Ion: 83 Resp: 796926

Ion Ratio Lower Upper

83 100

85 65.7 51.8 77.8

127 9.3 7.0 10.6



#50

Toluene-d8

Concen: 50.834 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022025.D

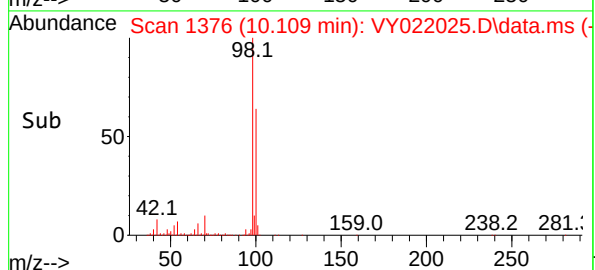
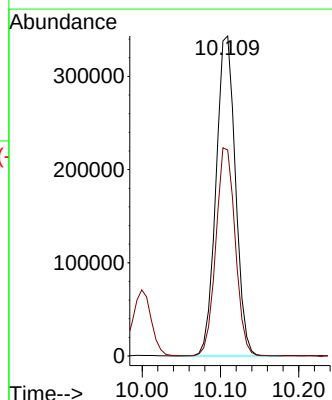
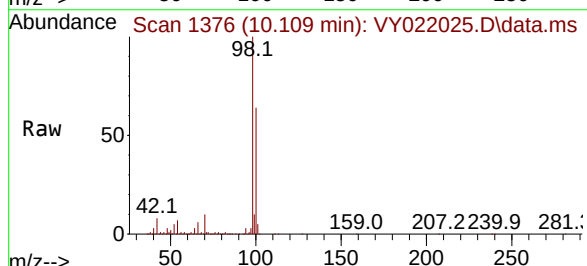
Acq: 28 Apr 2025 12:41

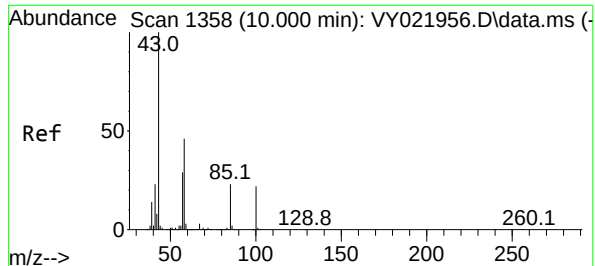
Tgt Ion: 98 Resp: 592466

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4

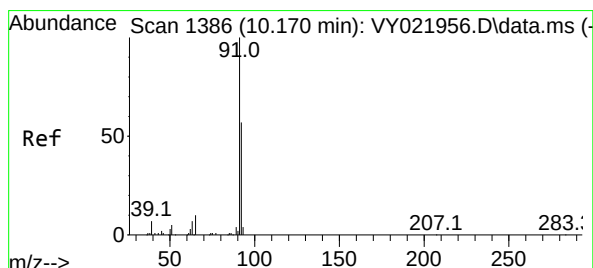
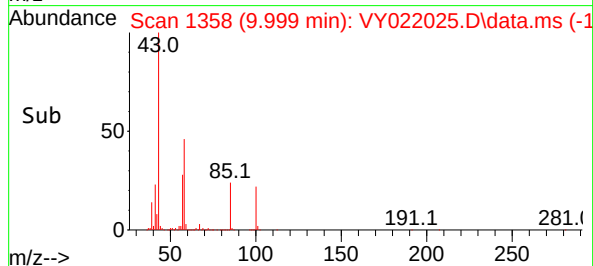
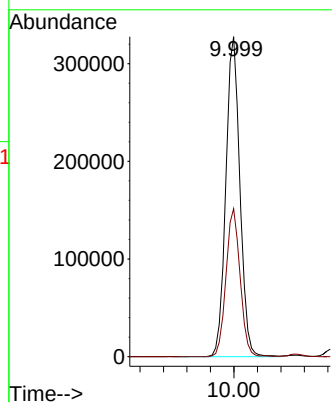
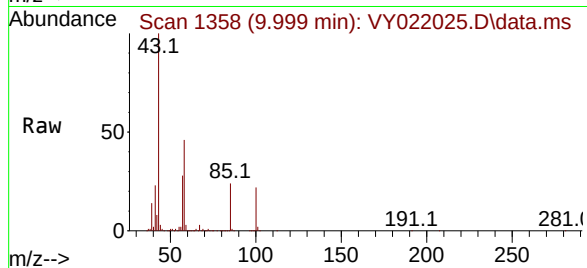




#51
4-Methyl-2-Pentanone
Concen: 362.902 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

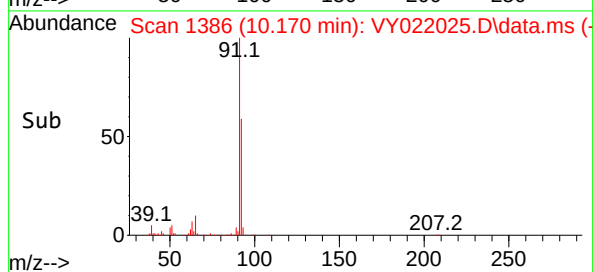
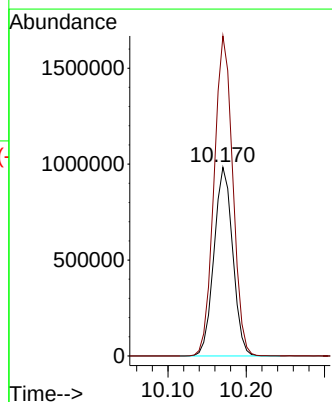
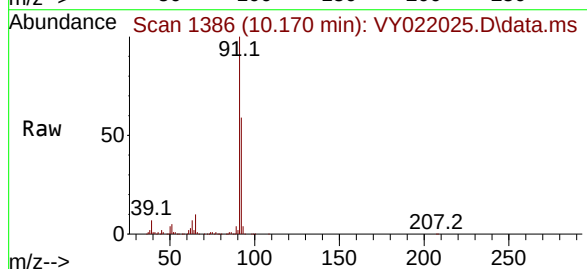
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

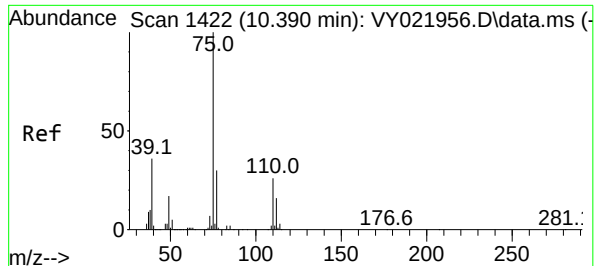
Tgt Ion: 43 Resp: 544884
Ion Ratio Lower Upper
43 100
58 46.3 36.6 55.0



#52
Toluene
Concen: 193.996 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 92 Resp: 1630128
Ion Ratio Lower Upper
92 100
91 170.0 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 117.187 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

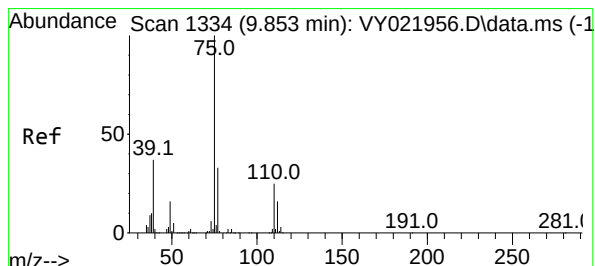
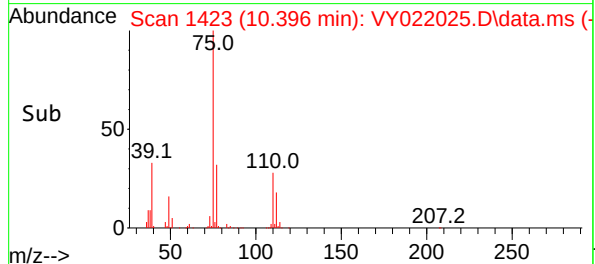
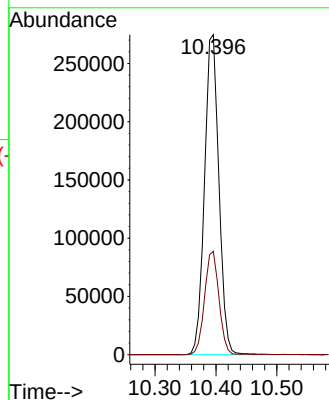
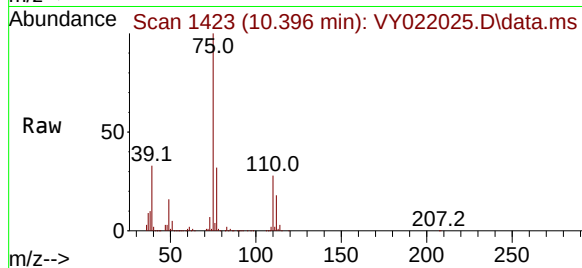
HW0425-PT-VOA-SOIL

Tgt Ion: 75 Resp: 451255

Ion Ratio Lower Upper

75 100

77 32.3 24.0 36.0



#54

cis-1,3-Dichloropropene

Concen: 105.775 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

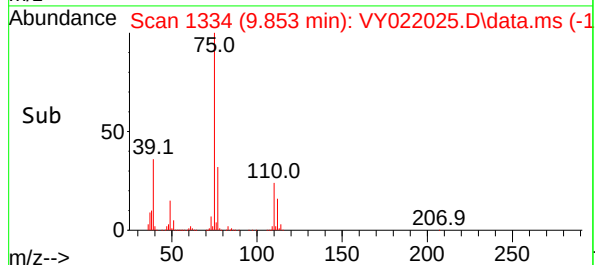
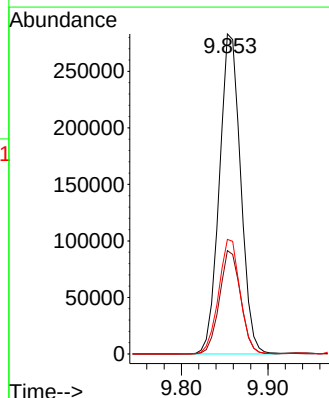
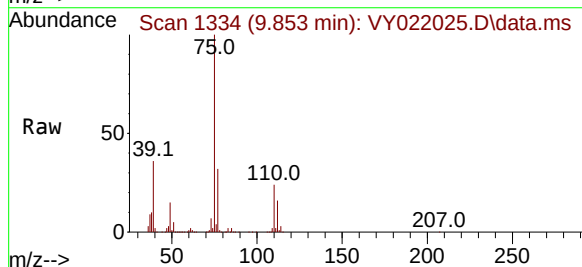
Tgt Ion: 75 Resp: 484173

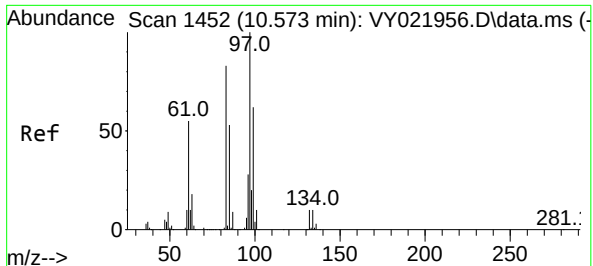
Ion Ratio Lower Upper

75 100

77 32.3 26.6 40.0

39 35.8 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 73.622 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

Tgt Ion: 97 Resp: 176727

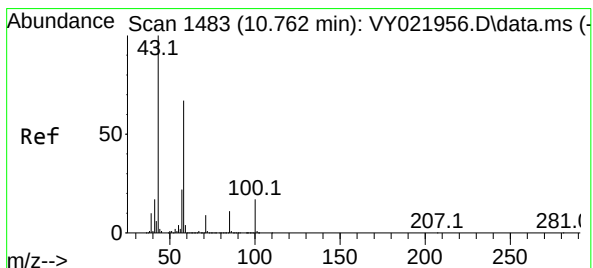
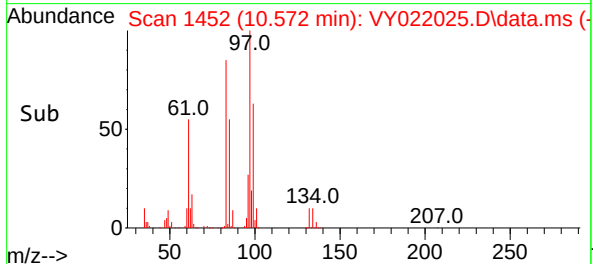
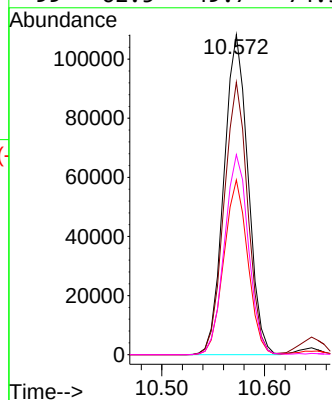
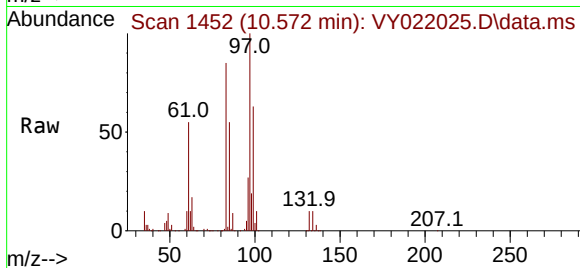
Ion Ratio Lower Upper

97 100

83 85.2 66.7 100.1

85 54.6 42.6 64.0

99 62.5 49.7 74.5



#59

2-Hexanone

Concen: 345.801 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022025.D

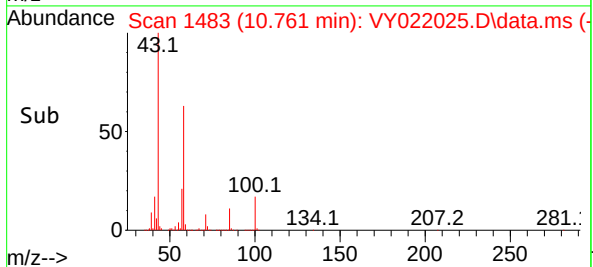
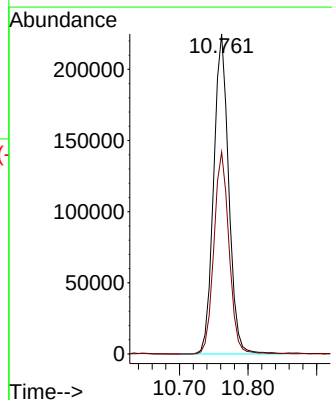
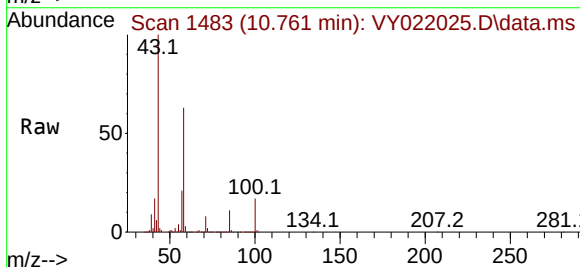
Acq: 28 Apr 2025 12:41

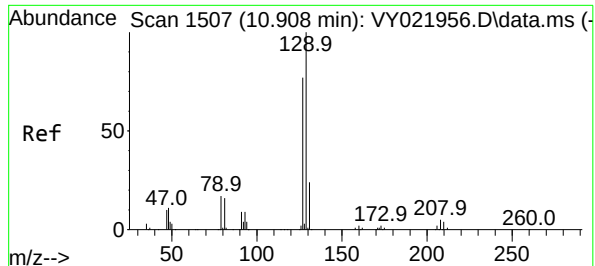
Tgt Ion: 43 Resp: 342461

Ion Ratio Lower Upper

43 100

58 63.4 32.0 96.0

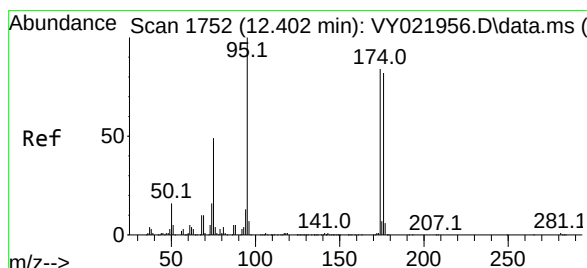
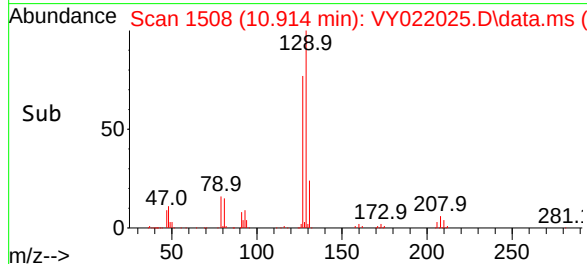
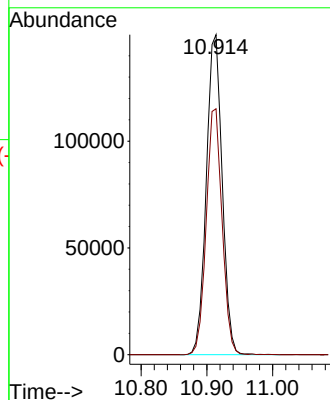
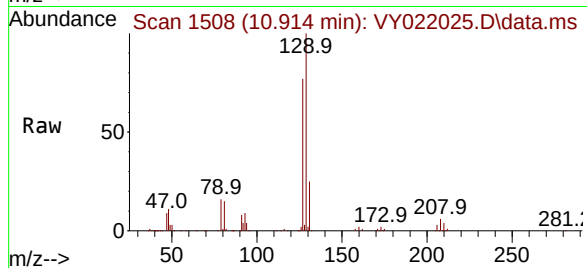




#60
Dibromochloromethane
Concen: 75.684 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

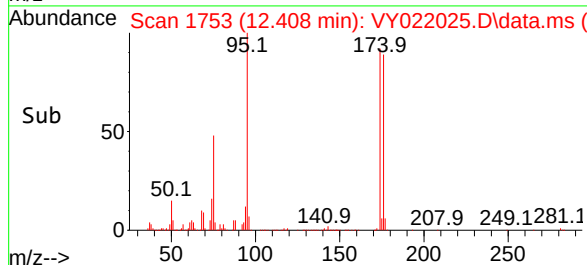
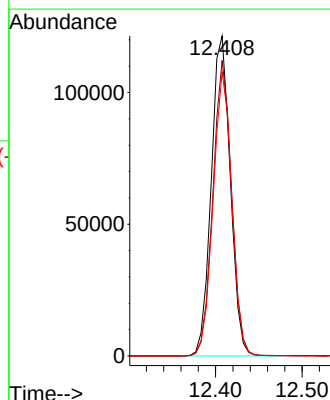
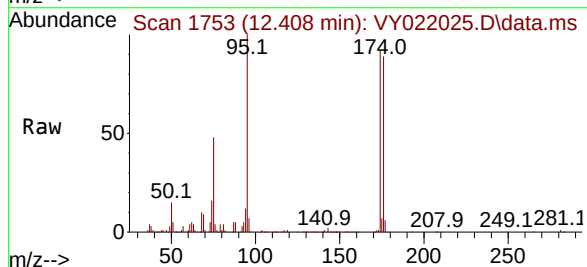
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

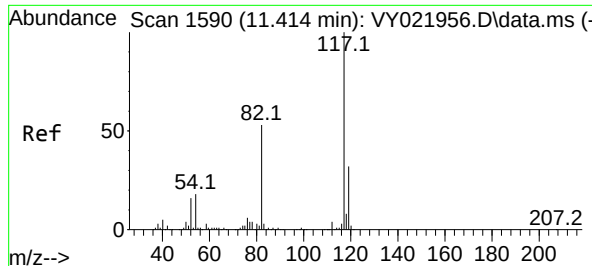
Tgt Ion:129 Resp: 251529
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3



#62
4-Bromofluorobenzene
Concen: 47.388 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 95 Resp: 185929
Ion Ratio Lower Upper
95 100
174 90.7 0.0 179.0
176 87.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

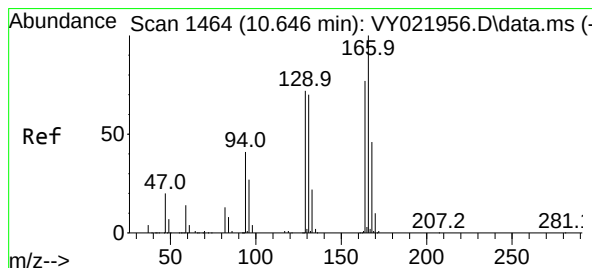
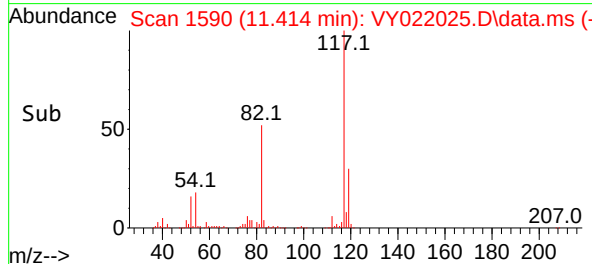
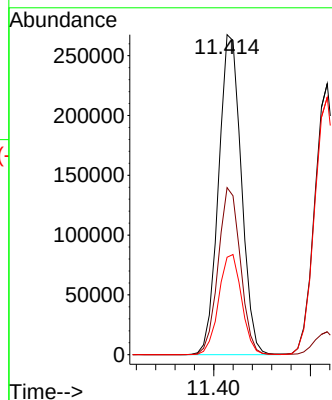
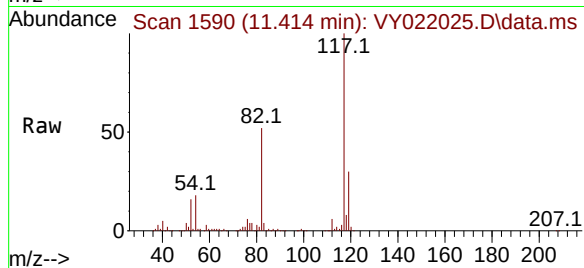
Tgt Ion:117 Resp: 436036

Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

119 30.5 25.7 38.5



#64

Tetrachloroethene

Concen: 101.553 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Tgt Ion:164 Resp: 417730

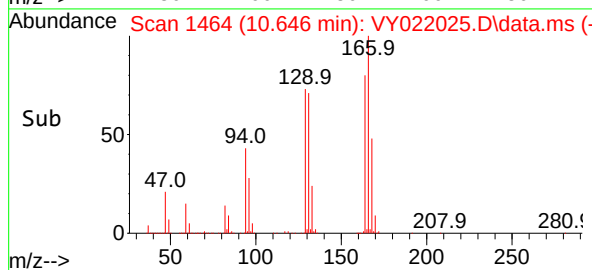
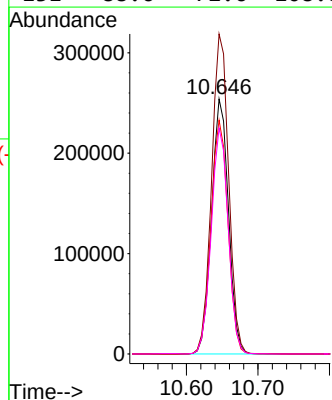
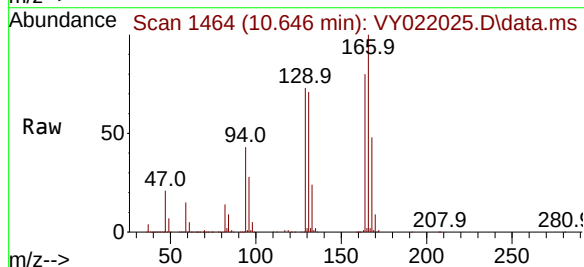
Ion Ratio Lower Upper

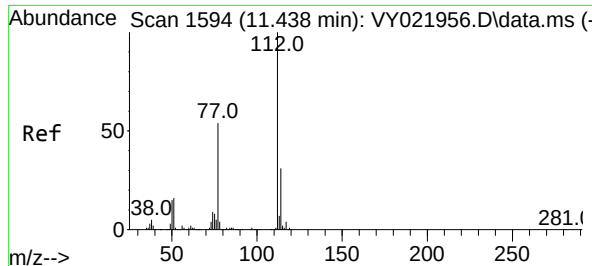
164 100

166 125.5 103.6 155.4

129 91.7 74.2 111.4

131 88.6 72.6 108.8





#65

Chlorobenzene

Concen: 93.318 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

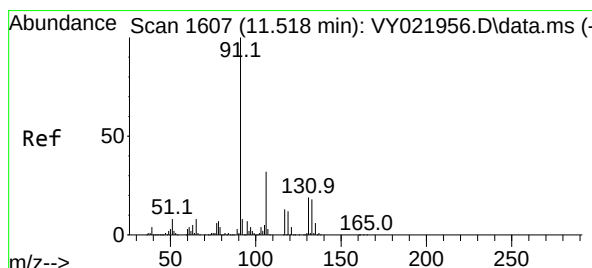
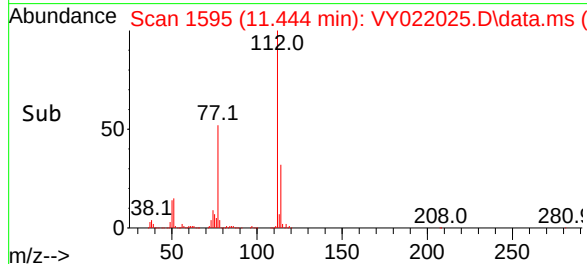
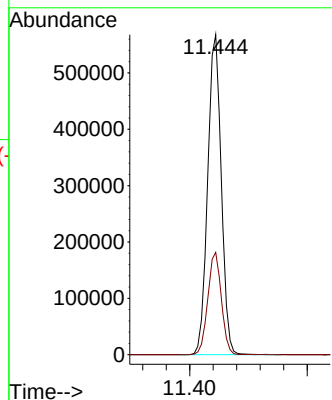
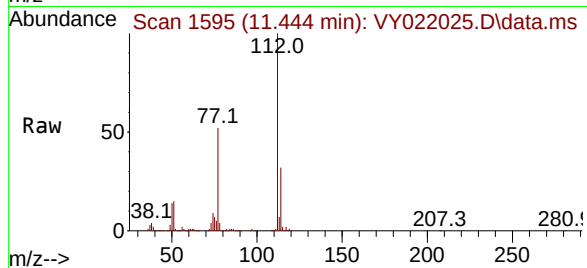
HW0425-PT-VOA-SOIL

Tgt Ion:112 Resp: 909935

Ion Ratio Lower Upper

112 100

114 31.9 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 155.478 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

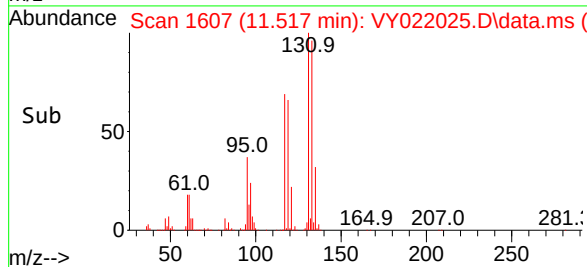
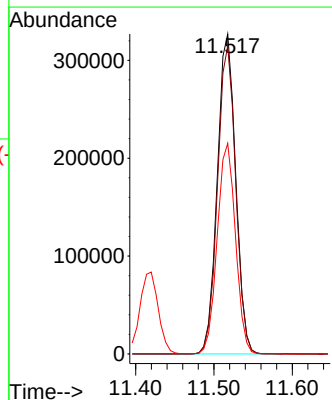
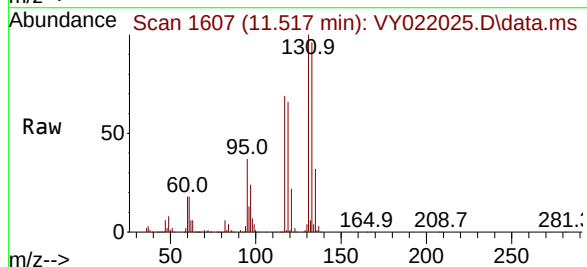
Tgt Ion:131 Resp: 533734

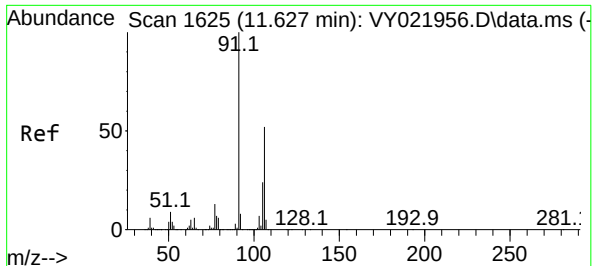
Ion Ratio Lower Upper

131 100

133 95.2 47.8 143.3

119 65.4 32.4 97.0

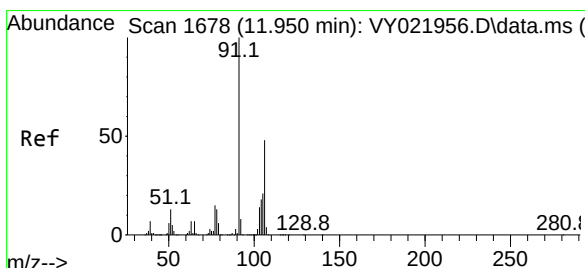
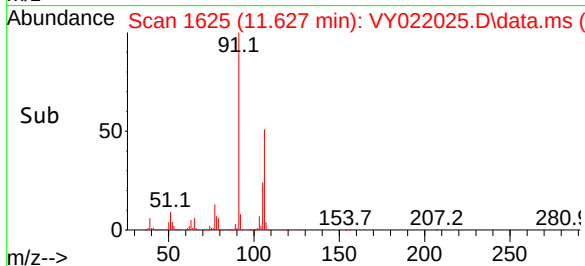
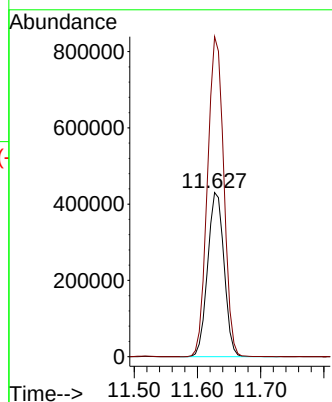
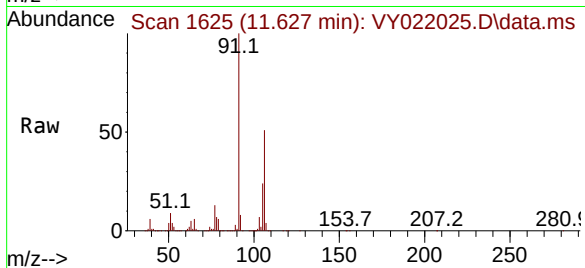




#68
m/p-Xylenes
Concen: 122.523 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

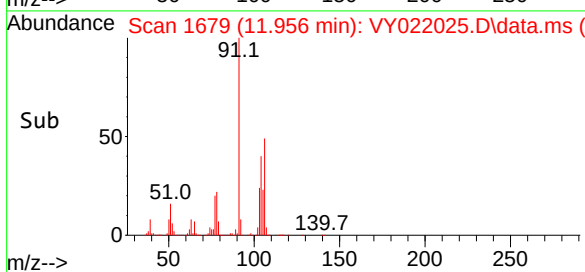
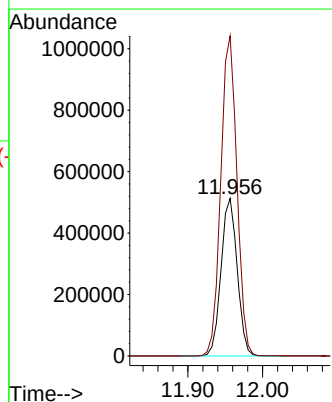
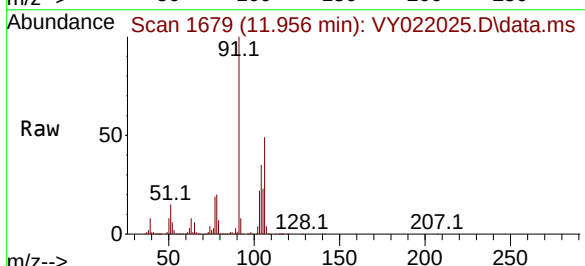
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

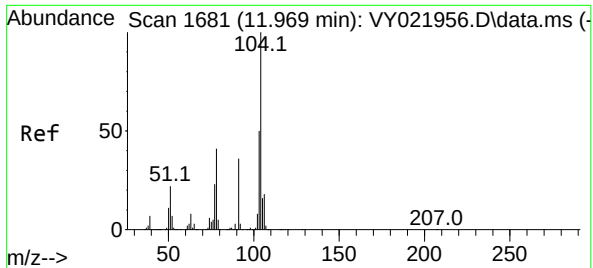
Tgt Ion:106 Resp: 777678
Ion Ratio Lower Upper
106 100
91 193.6 156.2 234.2



#69
o-Xylene
Concen: 131.730 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion:106 Resp: 770636
Ion Ratio Lower Upper
106 100
91 203.2 103.0 308.9





#70

Styrene

Concen: 135.916 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

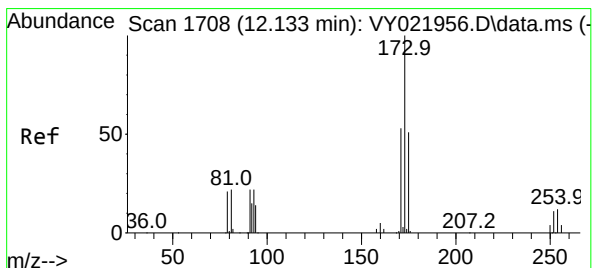
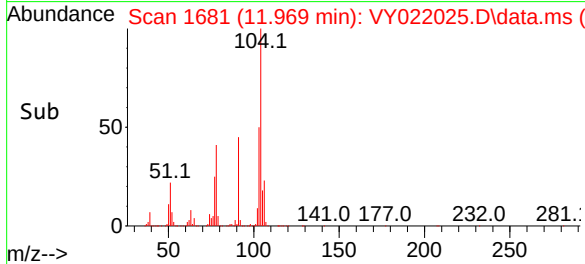
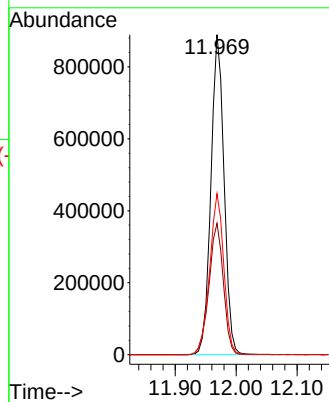
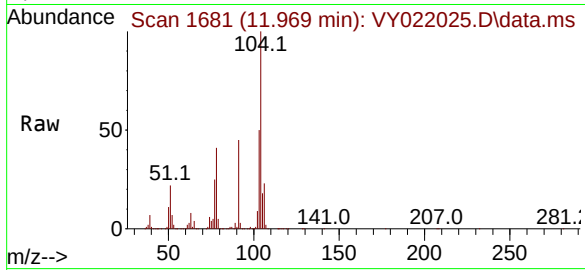
Tgt Ion:104 Resp: 1335048

Ion Ratio Lower Upper

104 100

78 45.0 36.6 54.8

103 54.1 43.8 65.8



#71

Bromoform

Concen: 99.103 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

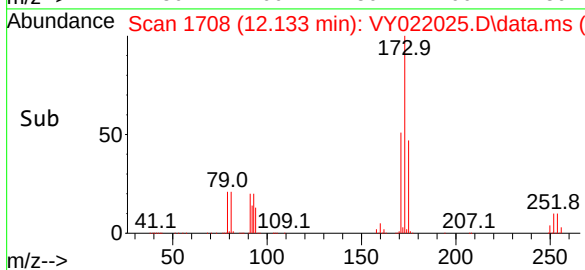
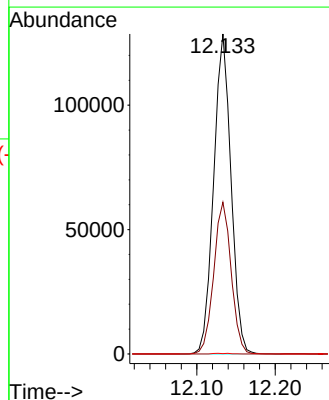
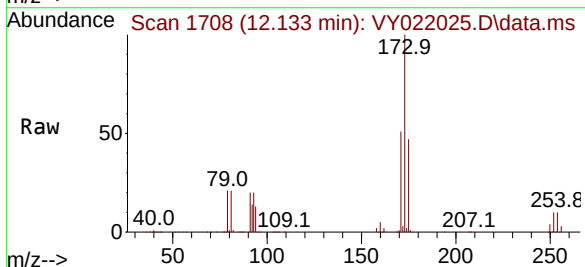
Tgt Ion:173 Resp: 197793

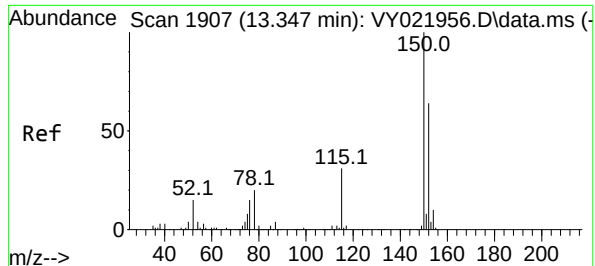
Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

254 0.2 0.0 0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

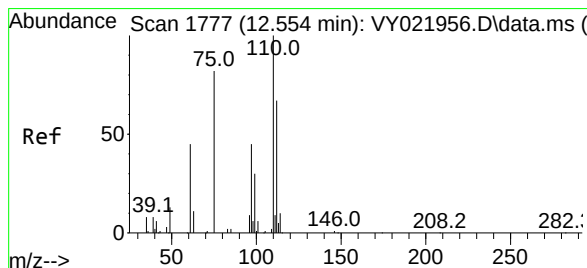
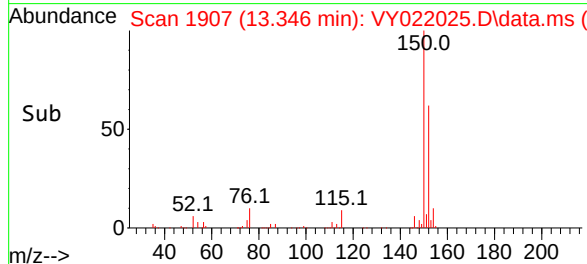
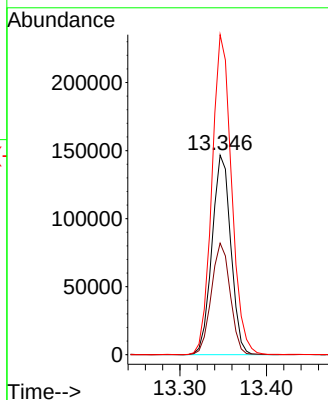
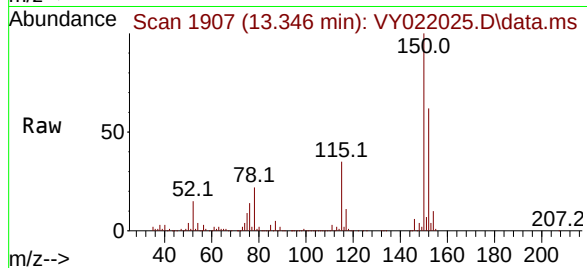
Tgt Ion:152 Resp: 221687

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 167.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 109.430 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022025.D

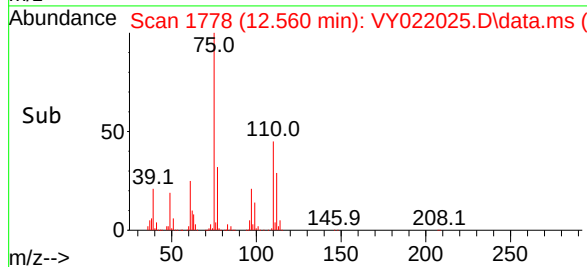
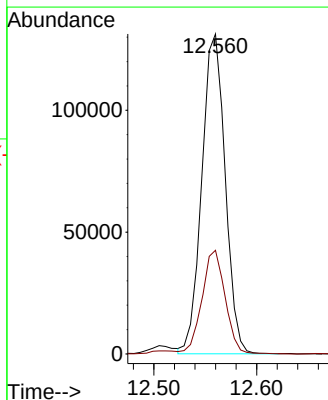
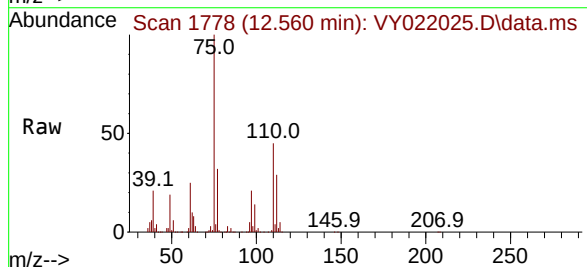
Acq: 28 Apr 2025 12:41

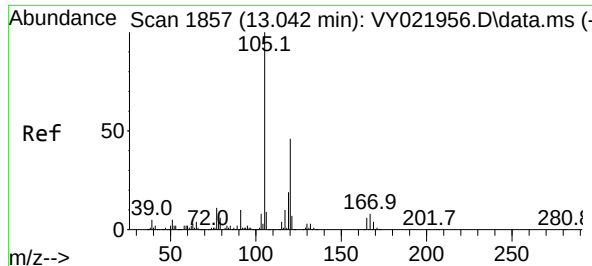
Tgt Ion: 75 Resp: 207793

Ion Ratio Lower Upper

75 100

77 32.2 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 178.923 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

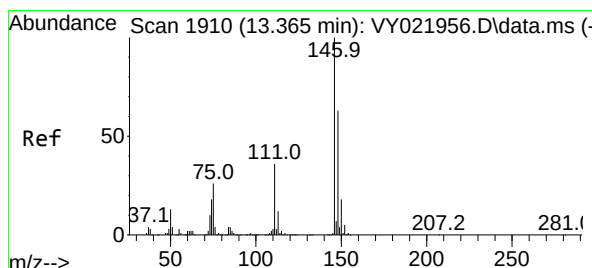
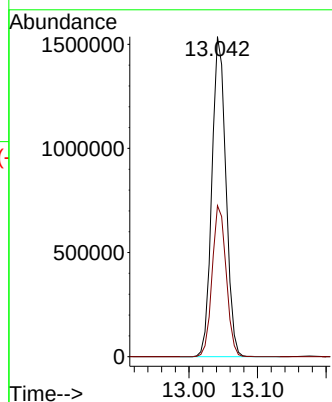
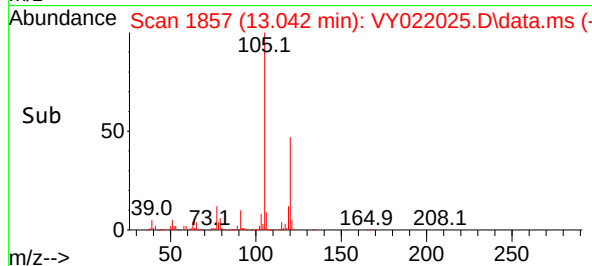
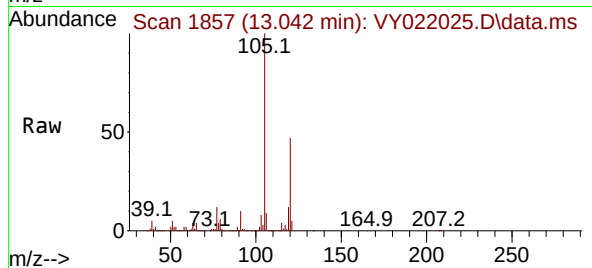
HW0425-PT-VOA-SOIL

Tgt Ion:105 Resp: 2183983

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0



#88

1,4-Dichlorobenzene

Concen: 25.920 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

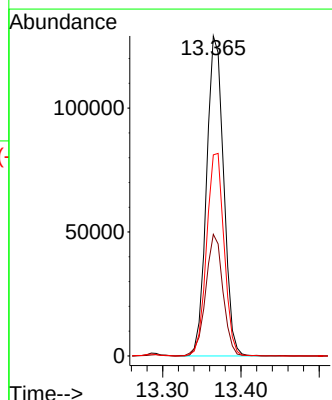
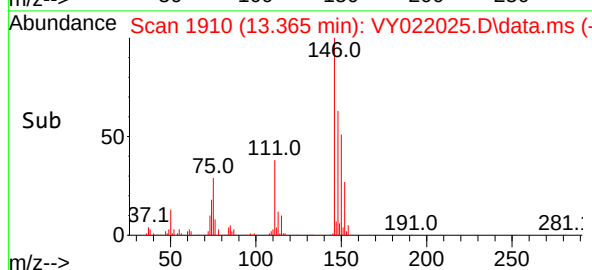
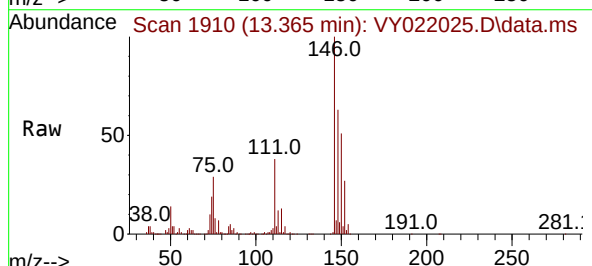
Tgt Ion:146 Resp: 195134

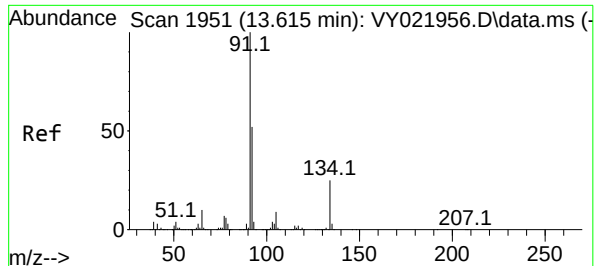
Ion Ratio Lower Upper

146 100

111 38.6 19.2 57.6

148 64.8 32.0 96.0





#89

n-Butylbenzene

Concen: 57.277 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

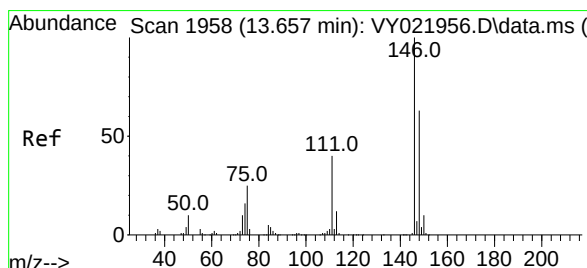
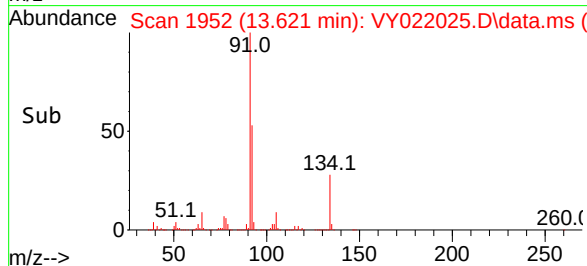
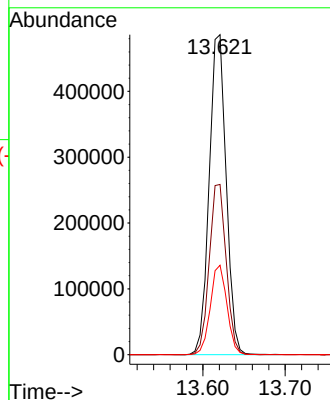
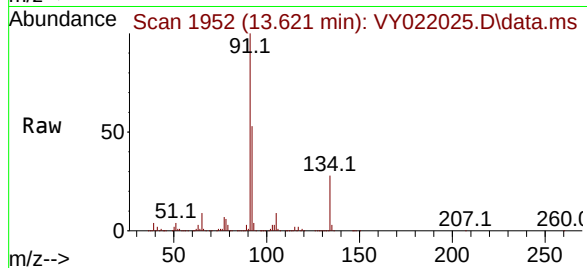
Tgt Ion: 91 Resp: 696238

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.5

134 27.4 13.4 40.1



#91

1,2-Dichlorobenzene

Concen: 53.433 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

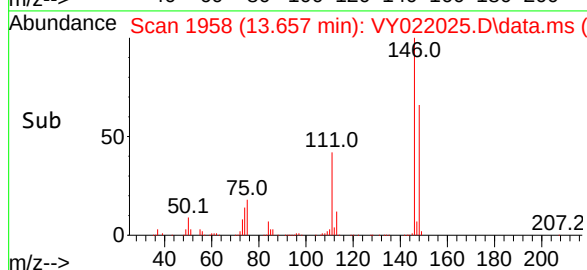
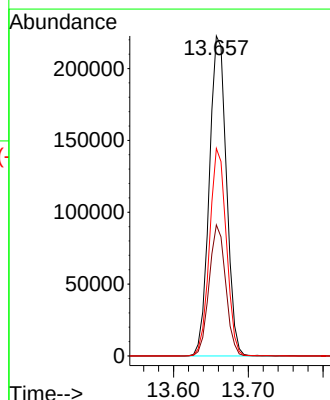
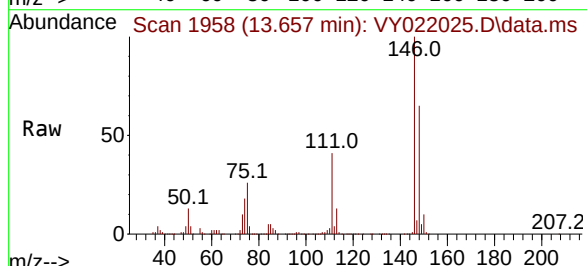
Tgt Ion:146 Resp: 354246

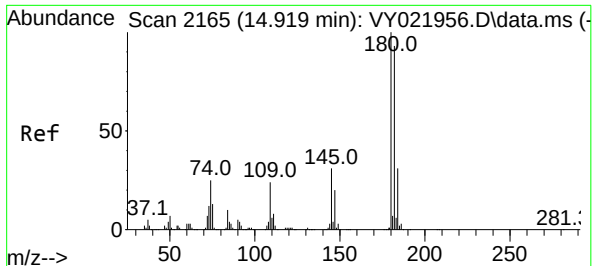
Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.1

148 63.5 32.1 96.3





#93

1,2,4-Trichlorobenzene

Concen: 56.911 ug/l

RT: 14.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022025.D

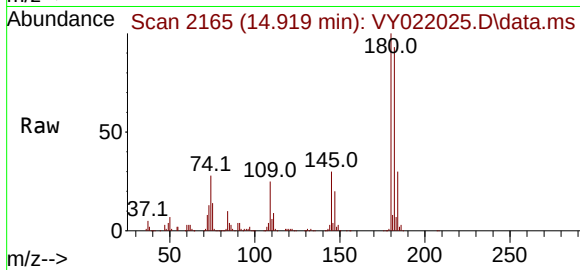
Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL



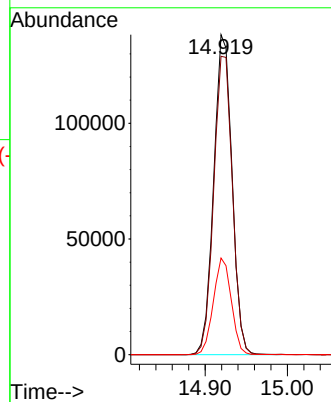
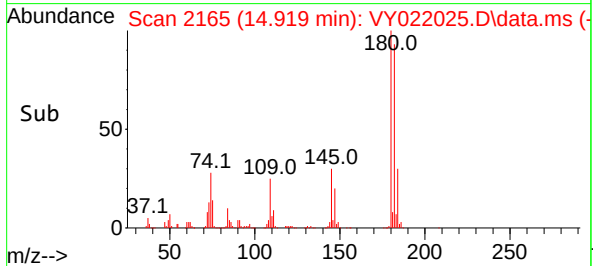
Tgt Ion:180 Resp: 213810

Ion Ratio Lower Upper

180 100

182 95.3 47.1 141.4

145 29.6 15.0 45.0



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOILDL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022051.D	4		04/29/25 12:22	vy042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.60	UD	4.60	20.0	ug/Kg
74-87-3	Chloromethane	4.60	UD	4.60	20.0	ug/Kg
75-01-4	Vinyl Chloride	3.20	UD	3.20	20.0	ug/Kg
141-78-6	Ethyl Acetate	5.20	UD	5.20	20.0	ug/Kg
108-21-4	Isopropyl Acetate	3.60	UD	3.60	20.0	ug/Kg
74-83-9	Bromomethane	4.30	UD	4.30	20.0	ug/Kg
75-00-3	Chloroethane	5.00	UD	5.00	20.0	ug/Kg
109-99-9	Tetrahydrofuran	18.7	UD	18.7	100	ug/Kg
75-69-4	Trichlorofluoromethane	4.80	UD	4.80	20.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	UD	4.20	20.0	ug/Kg
75-65-0	Tert butyl alcohol	54.8	UD	54.8	100	ug/Kg
60-29-7	Diethyl Ether	3.10	UD	3.10	20.0	ug/Kg
75-35-4	1,1-Dichloroethene	150	D	4.00	20.0	ug/Kg
107-02-8	Acrolein	35.2	UD	35.2	100	ug/Kg
107-13-1	Acrylonitrile	19.9	UD	19.9	100	ug/Kg
67-64-1	Acetone	370	D	19.0	100	ug/Kg
75-15-0	Carbon Disulfide	4.20	UD	4.20	20.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	160	D	2.90	20.0	ug/Kg
79-20-9	Methyl Acetate	6.20	UD	6.20	20.0	ug/Kg
75-09-2	Methylene Chloride	14.1	UD	14.1	40.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.40	UD	3.40	20.0	ug/Kg
108-05-4	Vinyl Acetate	19.4	UD	19.4	100	ug/Kg
75-34-3	1,1-Dichloroethane	3.20	UD	3.20	20.0	ug/Kg
110-82-7	Cyclohexane	3.20	UD	3.20	20.0	ug/Kg
78-93-3	2-Butanone	320	D	26.2	100	ug/Kg
56-23-5	Carbon Tetrachloride	110	D	3.90	20.0	ug/Kg
594-20-7	2,2-Dichloropropane	160	D	5.10	20.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	43.3	D	3.00	20.0	ug/Kg
74-97-5	Bromochloromethane	4.60	UD	4.60	20.0	ug/Kg
67-66-3	Chloroform	79.6	D	3.40	20.0	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOILDL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022051.D	4		04/29/25 12:22	vy042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
71-55-6	1,1,1-Trichloroethane	3.70	UD	3.70	20.0	ug/Kg
108-87-2	Methylcyclohexane	3.60	UD	3.60	20.0	ug/Kg
563-58-6	1,1-Dichloropropene	3.50	UD	3.50	20.0	ug/Kg
71-43-2	Benzene	92.0	D	3.20	20.0	ug/Kg
107-06-2	1,2-Dichloroethane	49.4	D	3.20	20.0	ug/Kg
79-01-6	Trichloroethene	3.20	UD	3.20	20.0	ug/Kg
78-87-5	1,2-Dichloropropane	57.3	D	3.60	20.0	ug/Kg
74-95-3	Dibromomethane	3.60	UD	3.60	20.0	ug/Kg
75-27-4	Bromodichloromethane	180	D	3.10	20.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	300	D	14.3	100	ug/Kg
80-62-6	Methyl methacrylate	3.00	UD	3.00	20.0	ug/Kg
108-88-3	Toluene	180	D	3.10	20.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	110	D	2.60	20.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	95.1	D	2.50	20.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	72.4	D	3.70	20.0	ug/Kg
142-28-9	1,3-Dichloropropane	2.70	UD	2.70	20.0	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	15.0	UD	15.0	100	ug/Kg
591-78-6	2-Hexanone	290	D	14.8	100	ug/Kg
124-48-1	Dibromochloromethane	73.1	D	3.50	20.0	ug/Kg
106-93-4	1,2-Dibromoethane	3.50	UD	3.50	20.0	ug/Kg
127-18-4	Tetrachloroethene	100	D	4.20	20.0	ug/Kg
108-90-7	Chlorobenzene	93.7	D	3.60	20.0	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	160	D	3.10	20.0	ug/Kg
67-72-1	Hexachloroethane	4.20	UD	4.20	20.0	ug/Kg
100-41-4	Ethyl Benzene	2.70	UD	2.70	20.0	ug/Kg
179601-23-1	m/p-Xylenes	110	D	5.00	40.0	ug/Kg
1330-20-7	Total Xylenes	230	D	8.30	60.0	ug/Kg
95-47-6	o-Xylene	120	D	3.30	20.0	ug/Kg
100-42-5	Styrene	120	D	2.80	20.0	ug/Kg
75-25-2	Bromoform	96.0	D	3.40	20.0	ug/Kg
98-82-8	Isopropylbenzene	3.10	UD	3.10	20.0	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOILDL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022051.D	4		04/29/25 12:22	vy042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	4.80	UD	4.80	20.0	ug/Kg
96-18-4	1,2,3-Trichloropropane	110	D	5.00	20.0	ug/Kg
108-86-1	Bromobenzene	4.80	UD	4.80	20.0	ug/Kg
103-65-1	n-propylbenzene	2.90	UD	2.90	20.0	ug/Kg
95-49-8	2-Chlorotoluene	2.70	UD	2.70	20.0	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3.30	UD	3.30	20.0	ug/Kg
106-43-4	4-Chlorotoluene	4.90	UD	4.90	20.0	ug/Kg
98-06-6	tert-Butylbenzene	2.70	UD	2.70	20.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	150	D	2.60	20.0	ug/Kg
135-98-8	sec-Butylbenzene	2.60	UD	2.60	20.0	ug/Kg
99-87-6	p-Isopropyltoluene	2.50	UD	2.50	20.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.80	UD	6.80	20.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	26.0	D	6.20	20.0	ug/Kg
104-51-8	n-Butylbenzene	48.4	D	5.80	20.0	ug/Kg
95-50-1	1,2-Dichlorobenzene	51.6	D	5.80	20.0	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	UD	7.40	20.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	48.3	D	11.9	20.0	ug/Kg
87-68-3	Hexachlorobutadiene	7.60	UD	7.60	20.0	ug/Kg
91-20-3	Naphthalene	10.3	UD	10.3	20.0	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	12.7	UD	12.7	20.0	ug/Kg
628-63-7	N-amyl acetate	3.90	UDQ	3.90	20.0	ug/Kg
74-88-4	Methyl Iodide	3.60	UD	3.60	20.0	ug/Kg
107-05-1	Allyl chloride	3.10	UD	3.10	20.0	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	4.20	UD	4.20	20.0	ug/Kg
126-98-7	Methacrylonitrile	7.00	UD	7.00	20.0	ug/Kg
108-20-3	Diisopropyl ether	100	D	2.20	20.0	ug/Kg
123-91-1	1,4-Dioxane	190	UD	190	400	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOILDL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022051.D	4		04/29/25 12:22	vy042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	47.2		38 - 136	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	275000	7.707			
540-36-3	1,4-Difluorobenzene	445000	8.615			
3114-55-4	Chlorobenzene-d5	399000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	203000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022051.D
 Acq On : 29 Apr 2025 12:22
 Operator : SY/MD
 Sample : Q1872-23DL 4X
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOILDL

Quant Time: Apr 30 01:33:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	274790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	444877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	202989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	128893	50.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.560%	
35) Dibromofluoromethane	7.634	113	146131	49.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.440%	
50) Toluene-d8	10.109	98	567972	51.259	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.407	95	176167	47.228	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.460%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.787	96	99300	36.351	ug/l	95
16) Acetone	3.878	43	34838	91.302	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	249204	40.759	ug/l	97
22) Diisopropyl ether	6.024	45	183849	25.973	ug/l	98
25) 2-Butanone	6.896	43	46765	80.829	ug/l	91
26) 2,2-Dichloropropane	6.884	77	166890	38.808	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	37071	10.837	ug/l	77
30) Chloroform	7.420	83	108280	19.896	ug/l	96
38) Carbon Tetrachloride	7.817	117	127978	27.128	ug/l	97
40) Benzene	8.079	78	283874	23.002	ug/l	99
42) 1,2-Dichloroethane	8.152	62	37736	12.350	ug/l	99
45) 1,2-Dichloropropane	9.140	63	39066	14.314	ug/l	100
47) Bromodichloromethane	9.420	83	187884	44.022	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	107247	75.133	ug/l	98
52) Toluene	10.170	92	368349	46.109	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	101756	27.796	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	103440	23.770	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	41313	18.103	ug/l	98
59) 2-Hexanone	10.761	43	68399	72.648	ug/l	95
60) Dibromochloromethane	10.908	129	57740	18.275	ug/l	100
64) Tetrachloroethene	10.645	164	96153	25.570	ug/l	99
65) Chlorobenzene	11.444	112	208808	23.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	124374	39.632	ug/l	99
68) m/p-Xylenes	11.627	106	161265	27.792	ug/l	99
69) o-Xylene	11.956	106	162292	30.346	ug/l	98
70) Styrene	11.968	104	279394	31.114	ug/l	99
71) Bromoform	12.133	173	43782	23.996	ug/l #	99
76) 1,2,3-Trichloropropane	12.560	75	48730	28.027	ug/l #	100
84) 1,2,4-Trimethylbenzene	13.041	105	422779	37.827	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	44739	6.490	ug/l	97
89) n-Butylbenzene	13.620	91	134799	12.111	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	78278	12.895	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	41502	12.064	ug/l	99

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

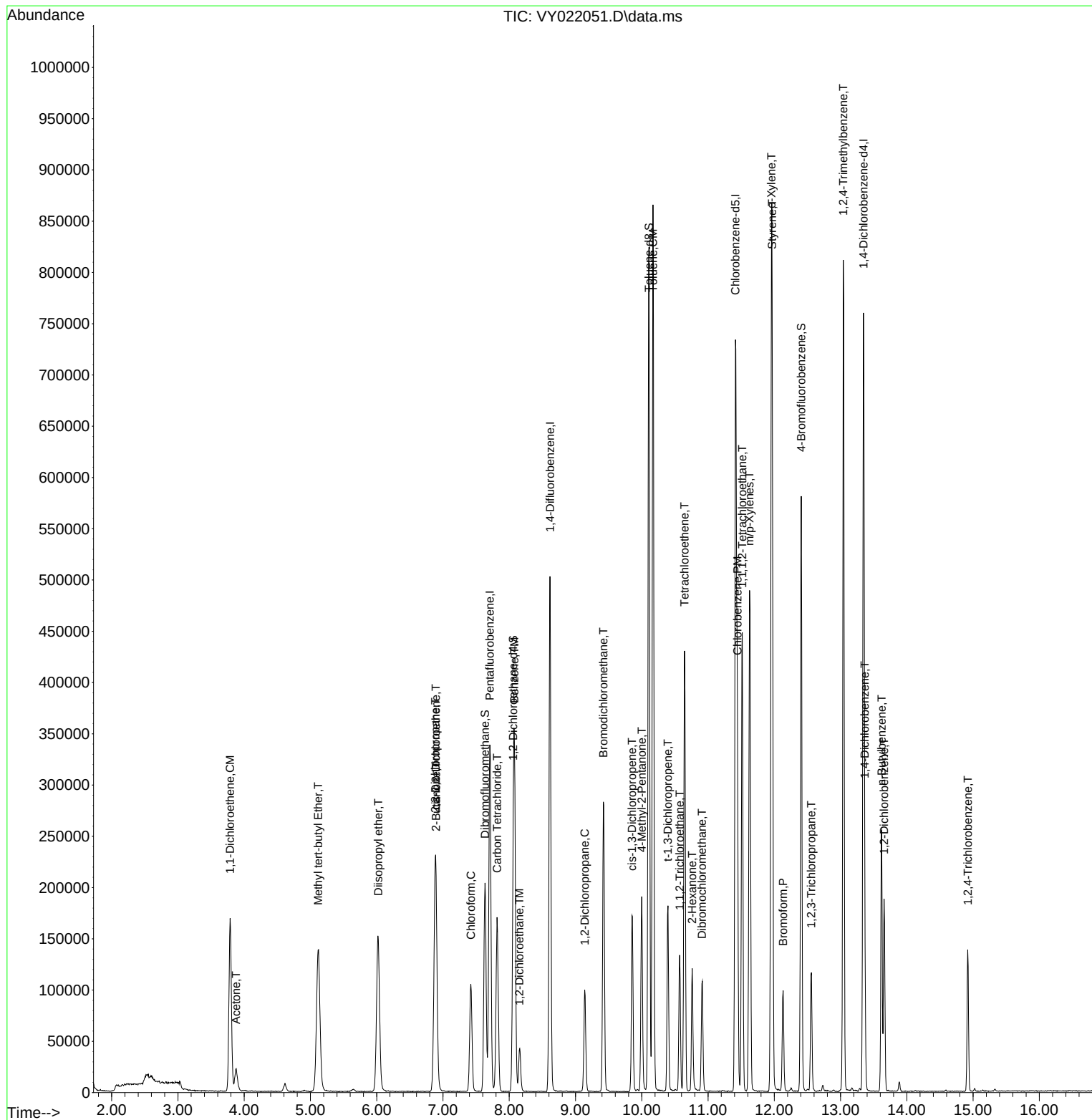
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

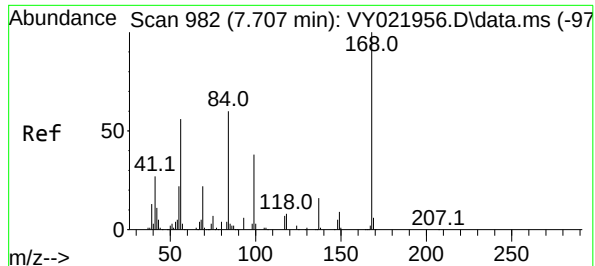
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- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022051.D
Acq On : 29 Apr 2025 12:22
Operator : SY/MD
Sample : Q1872-23DL 4X
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

Quant Time: Apr 30 01:33:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

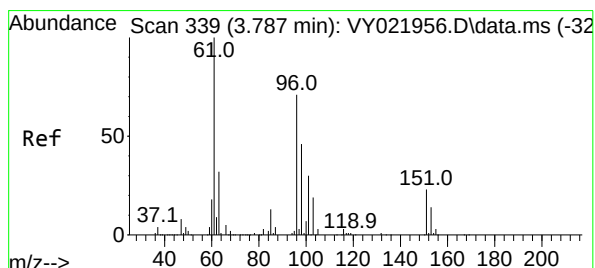
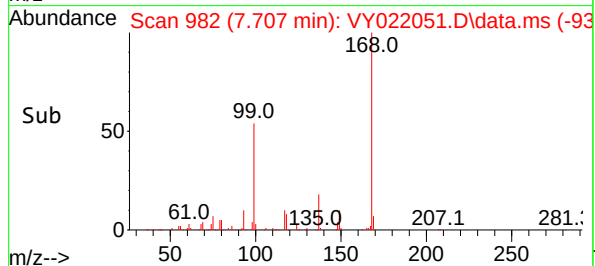
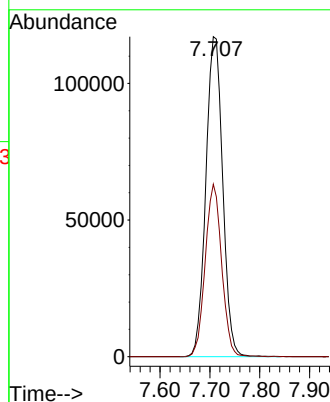
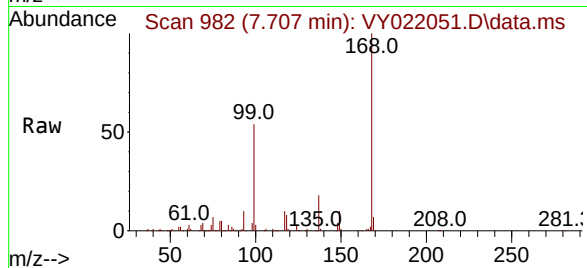




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

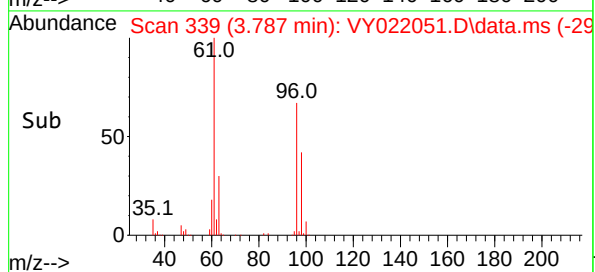
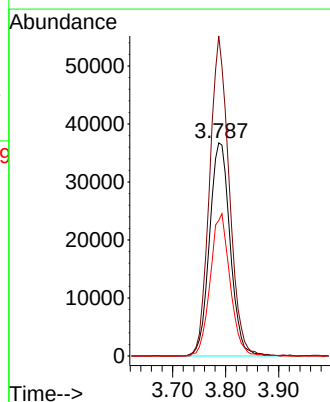
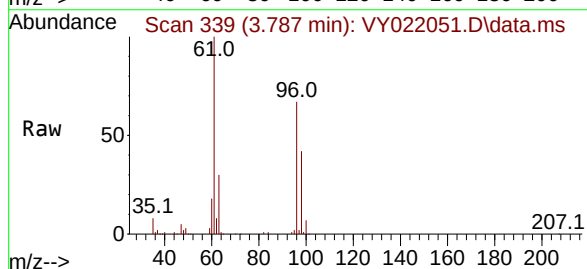
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

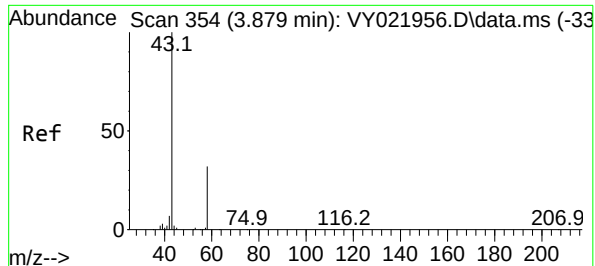
Tgt Ion:168 Resp: 274790
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7



#12
1,1-Dichloroethene
Concen: 36.351 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

Tgt Ion: 96 Resp: 99300
Ion Ratio Lower Upper
96 100
61 150.2 113.0 169.4
98 63.6 51.4 77.2

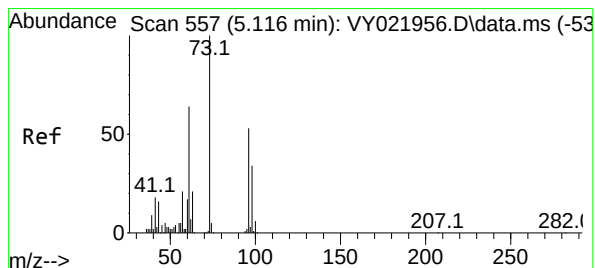
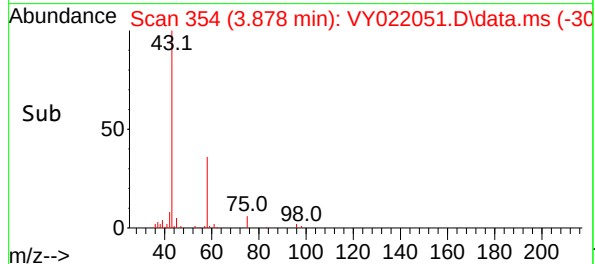
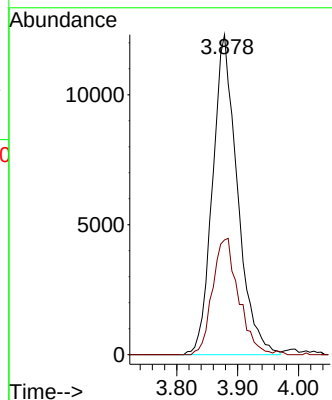
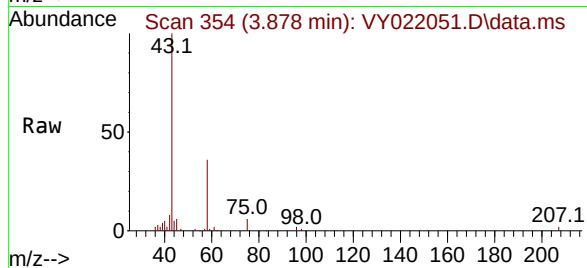




#16
Acetone
Concen: 91.302 ug/l
RT: 3.878 min Scan# 31
Delta R.T. -0.001 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

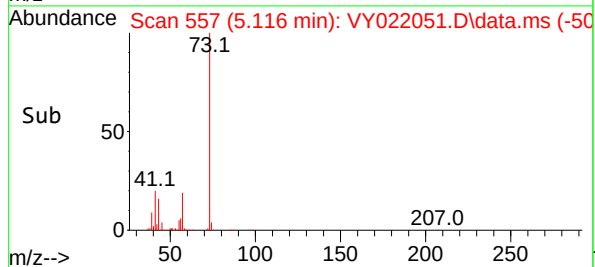
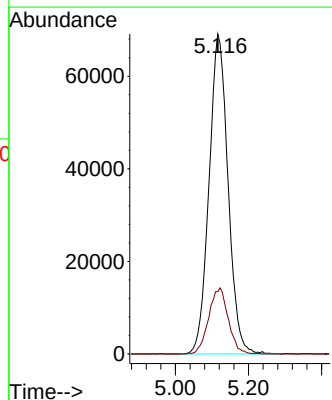
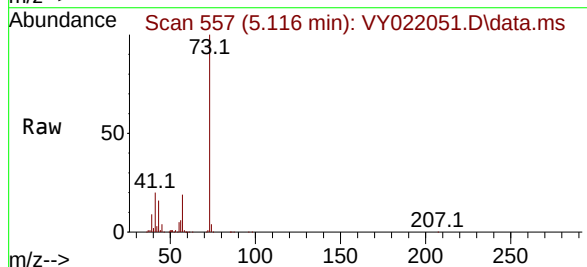
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

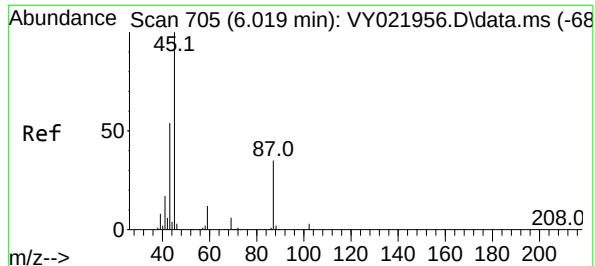
Tgt Ion: 43 Resp: 34838
Ion Ratio Lower Upper
43 100
58 35.8 27.0 40.4



#19
Methyl tert-butyl Ether
Concen: 40.759 ug/l
RT: 5.116 min Scan# 557
Delta R.T. -0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

Tgt Ion: 73 Resp: 249204
Ion Ratio Lower Upper
73 100
57 19.5 16.9 25.3





#22

Diisopropyl ether

Concen: 25.973 ug/l

RT: 6.024 min Scan# 705

Delta R.T. 0.006 min

Lab File: VY022051.D

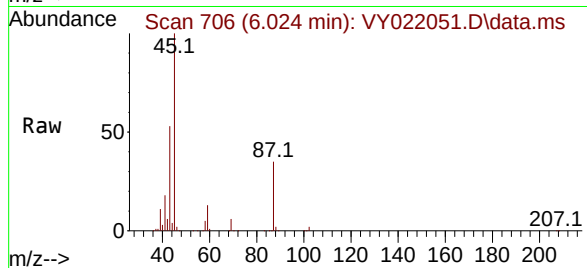
Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD



Tgt Ion: 45 Resp: 183849

Ion Ratio Lower Upper

45 100

43 52.8

87 34.7

59 13.4

43.6

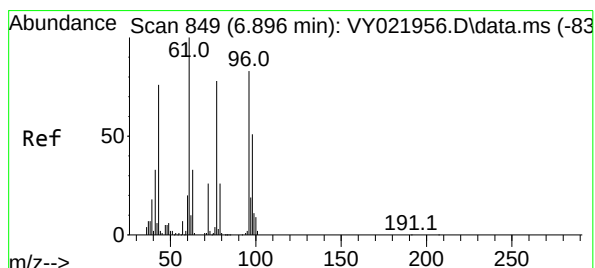
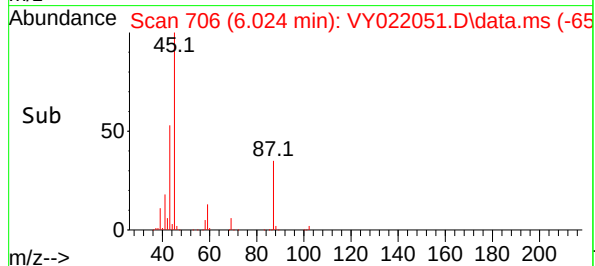
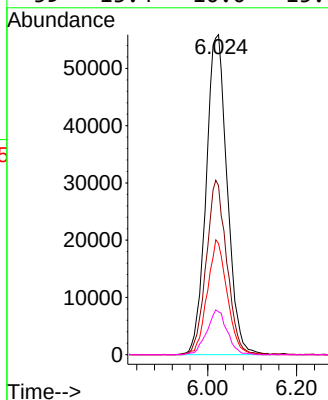
28.2

10.0

65.4

42.4

15.0



#25

2-Butanone

Concen: 80.829 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Tgt Ion: 43 Resp: 46765

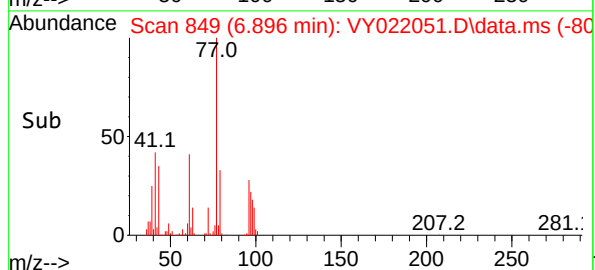
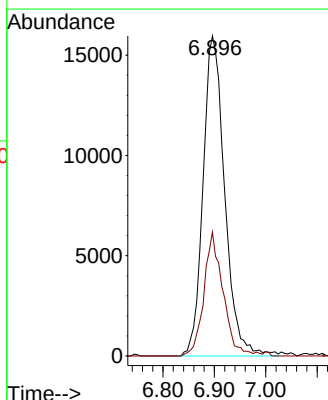
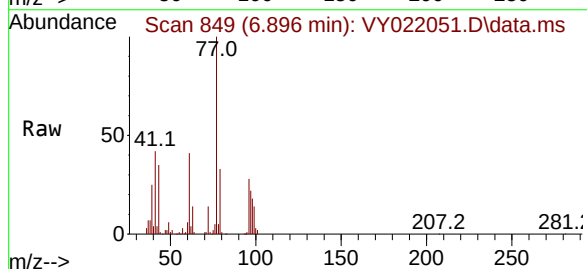
Ion Ratio Lower Upper

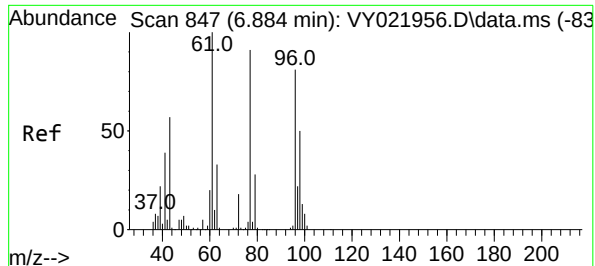
43 100

72 38.8

27.0

40.4





#26

2,2-Dichloropropane

Concen: 38.808 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

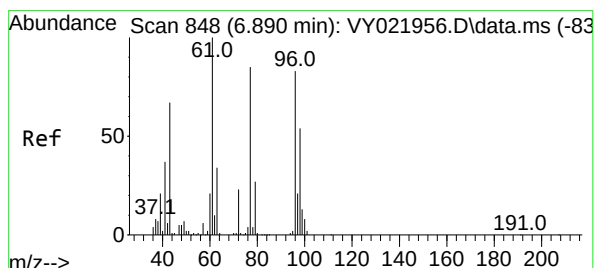
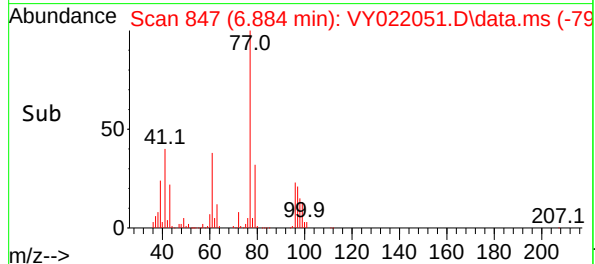
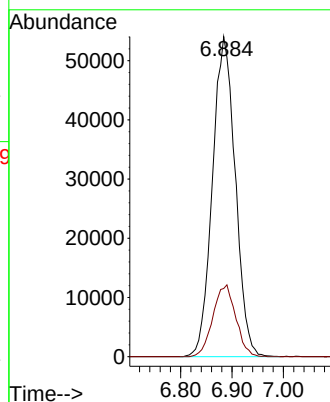
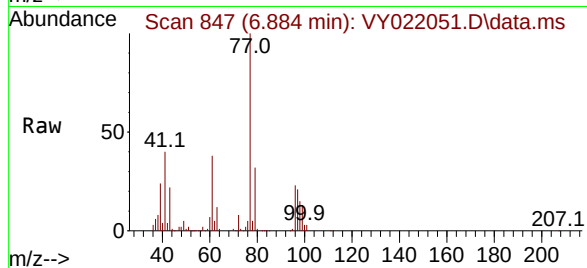
HW0425-PT-VOA-SOILD

Tgt Ion: 77 Resp: 166890

Ion Ratio Lower Upper

77 100

97 22.5 12.4 37.4



#27

cis-1,2-Dichloroethene

Concen: 10.837 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

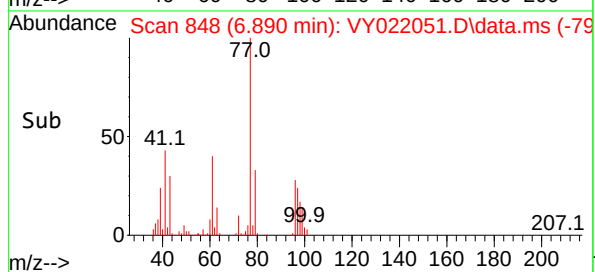
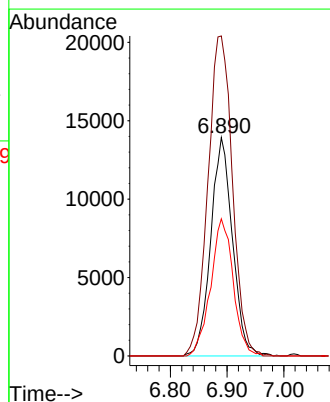
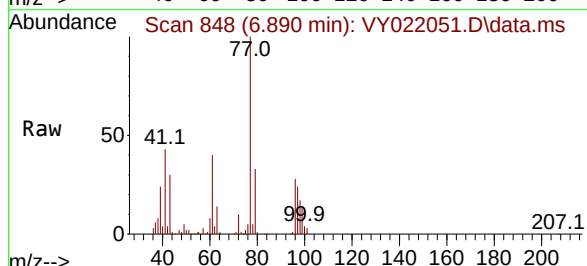
Tgt Ion: 96 Resp: 37071

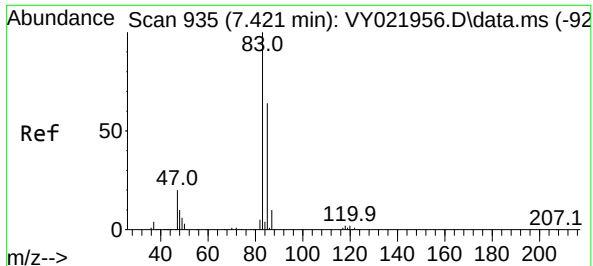
Ion Ratio Lower Upper

96 100

61 164.9 0.0 251.4

98 65.1 0.0 128.4





#30

Chloroform

Concen: 19.896 ug/l

RT: 7.420 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

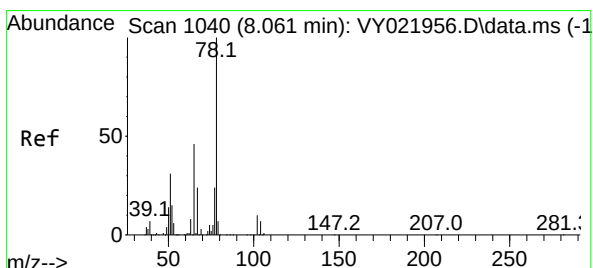
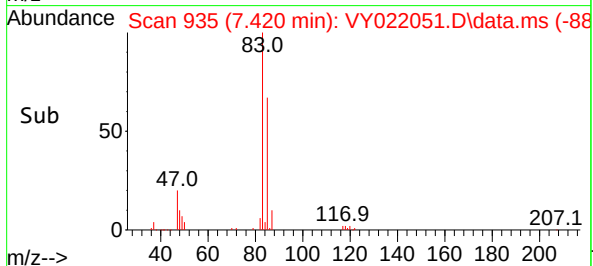
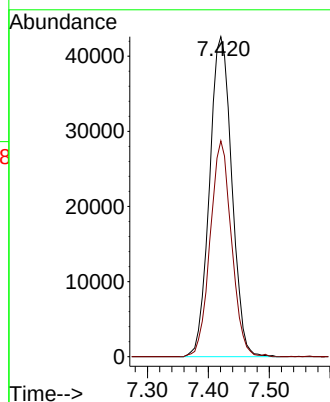
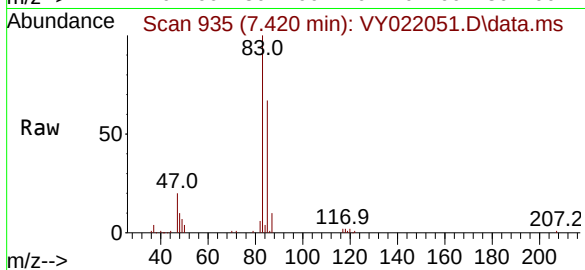
HW0425-PT-VOA-SOILD

Tgt Ion: 83 Resp: 108280

Ion Ratio Lower Upper

83 100

85 67.4 51.3 76.9



#33

1,2-Dichloroethane-d4

Concen: 50.782 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022051.D

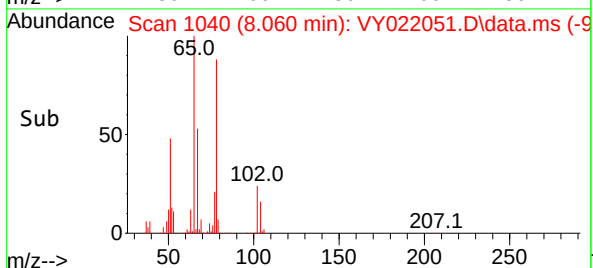
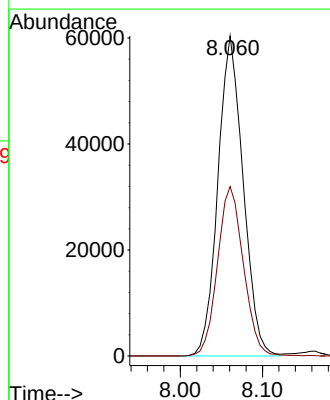
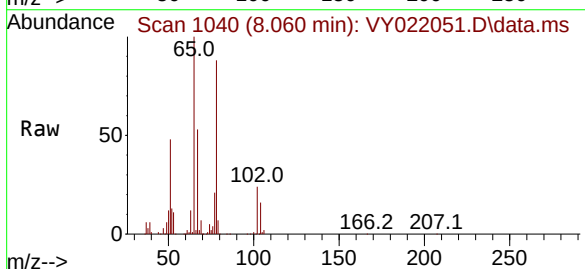
Acq: 29 Apr 2025 12:22

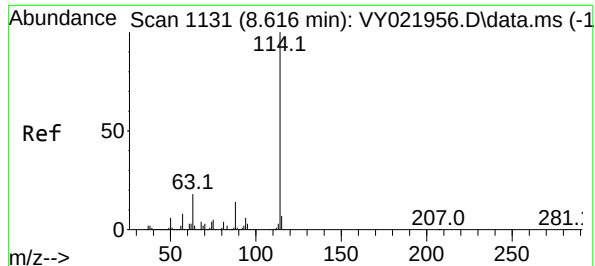
Tgt Ion: 65 Resp: 128893

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD

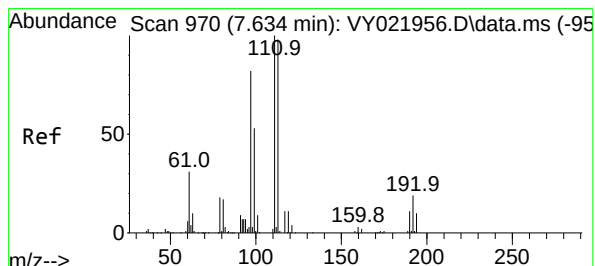
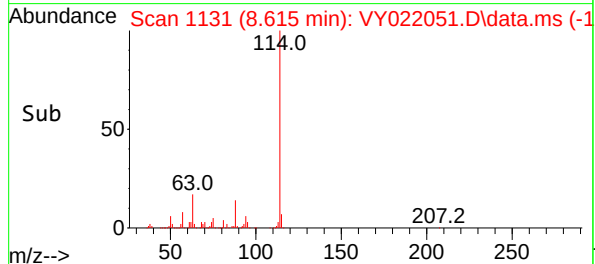
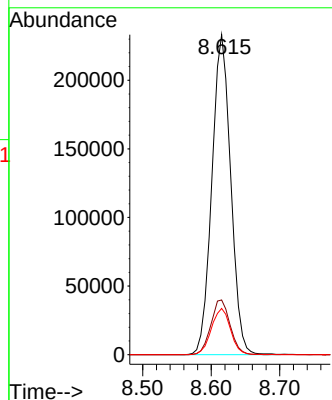
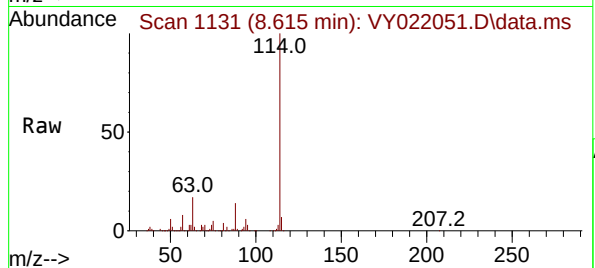
Tgt Ion:114 Resp: 444877

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.720 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

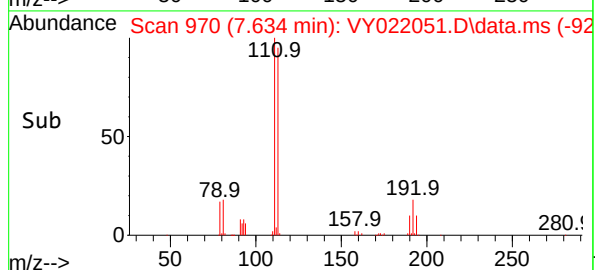
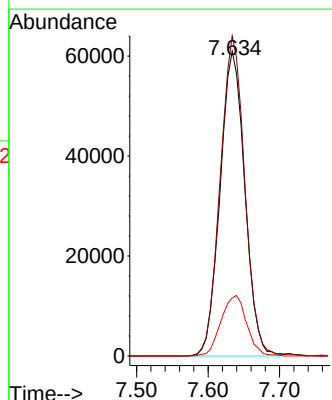
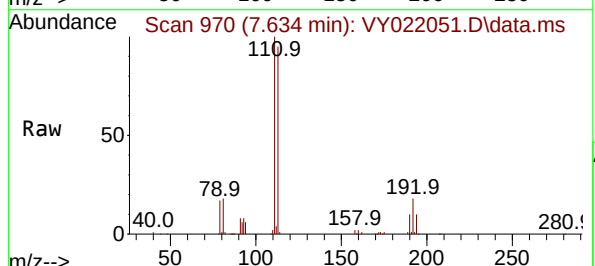
Tgt Ion:113 Resp: 146131

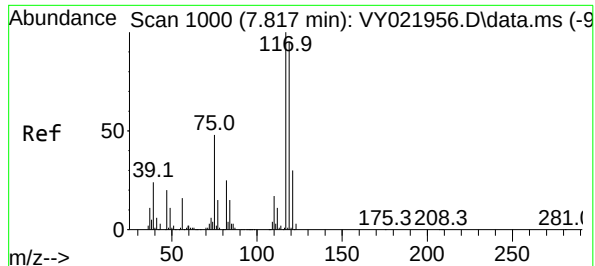
Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

192 20.6 15.6 23.4





#38

Carbon Tetrachloride

Concen: 27.128 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

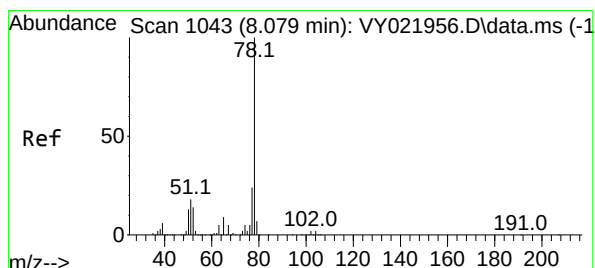
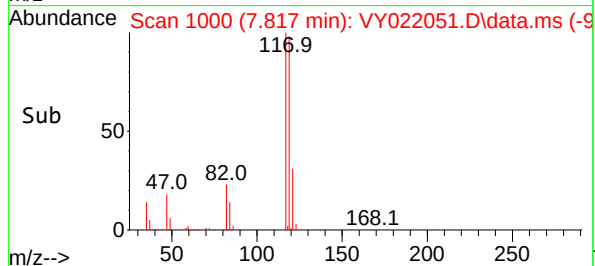
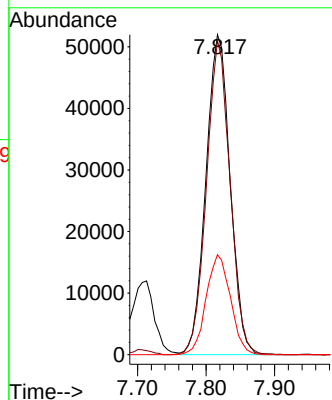
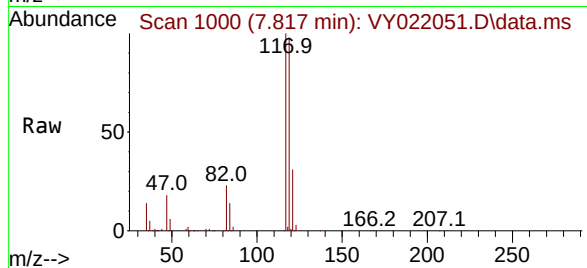
Tgt Ion:117 Resp: 127978

Ion Ratio Lower Upper

117 100

119 98.1 76.2 114.4

121 31.3 24.0 36.0



#40

Benzene

Concen: 23.002 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022051.D

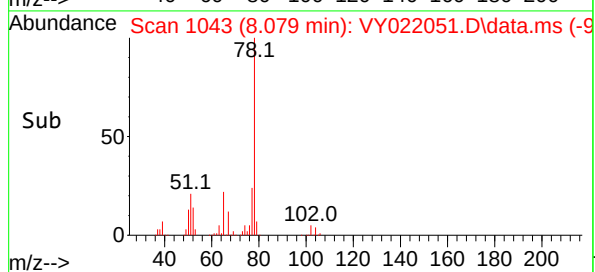
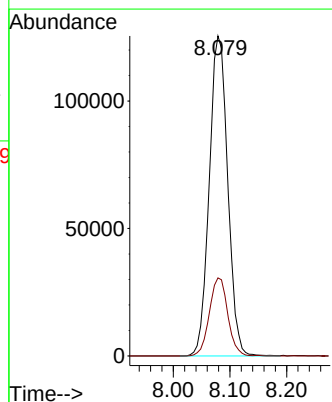
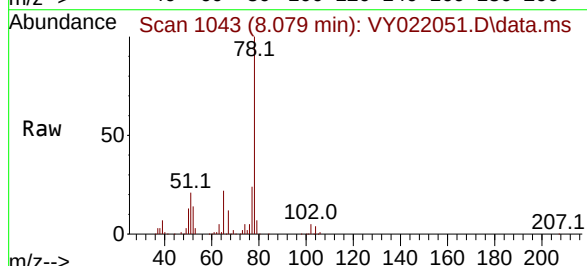
Acq: 29 Apr 2025 12:22

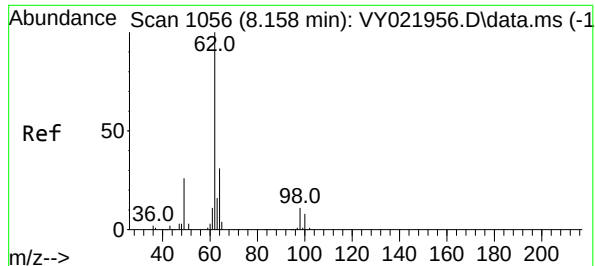
Tgt Ion: 78 Resp: 283874

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9





#42

1,2-Dichloroethane

Concen: 12.350 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. -0.007 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

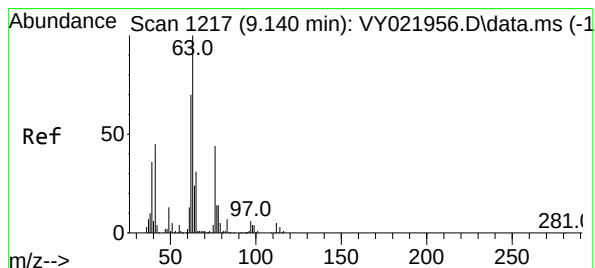
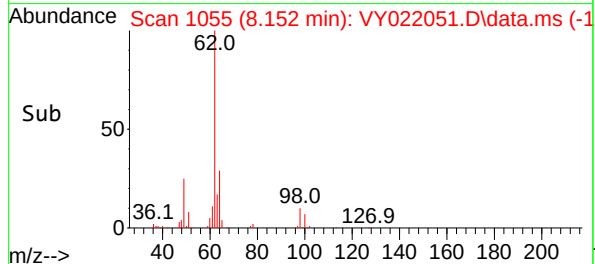
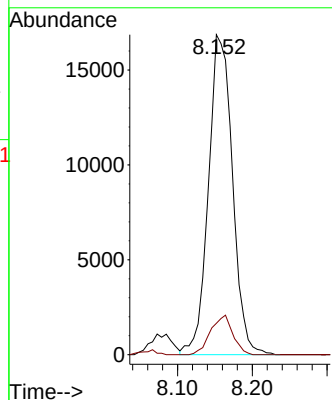
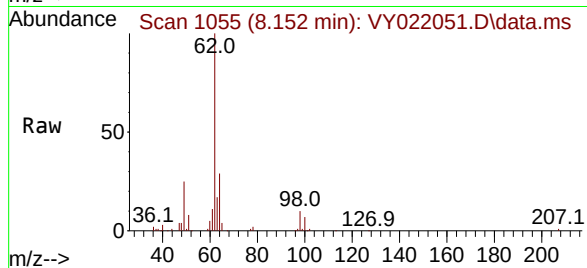
HW0425-PT-VOA-SOILDL

Tgt Ion: 62 Resp: 37736

Ion Ratio Lower Upper

62 100

98 11.4 0.0 22.0



#45

1,2-Dichloropropane

Concen: 14.314 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022051.D

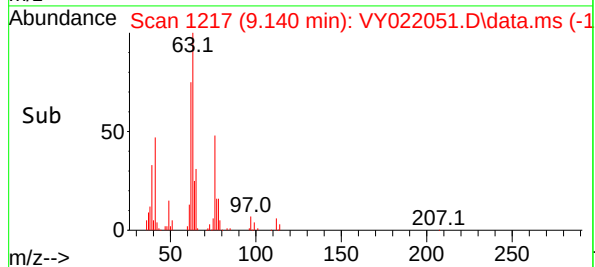
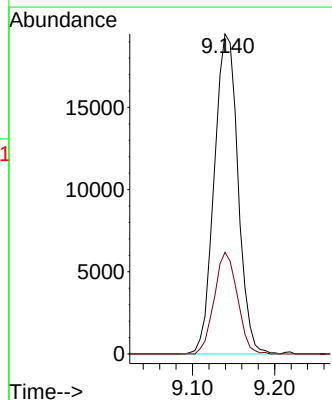
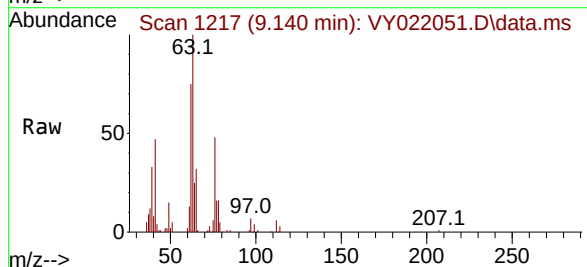
Acq: 29 Apr 2025 12:22

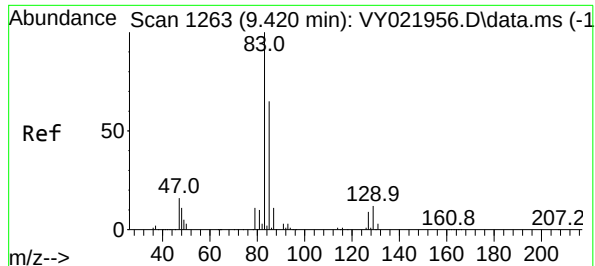
Tgt Ion: 63 Resp: 39066

Ion Ratio Lower Upper

63 100

65 31.7 25.2 37.8





#47

Bromodichloromethane

Concen: 44.022 ug/l

RT: 9.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD

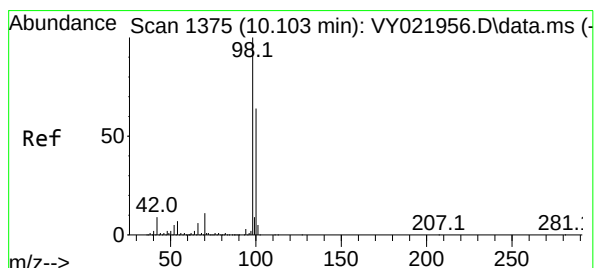
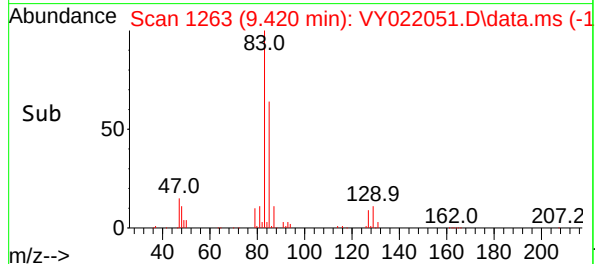
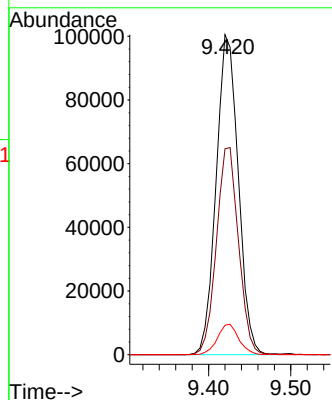
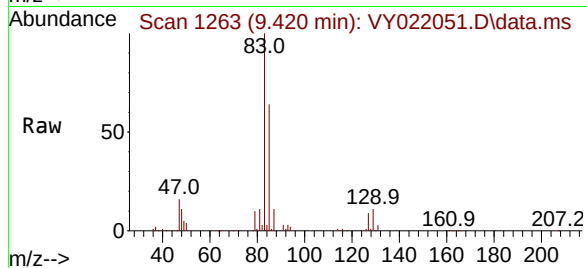
Tgt Ion: 83 Resp: 187884

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.8

127 9.2 7.0 10.6



#50

Toluene-d8

Concen: 51.259 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022051.D

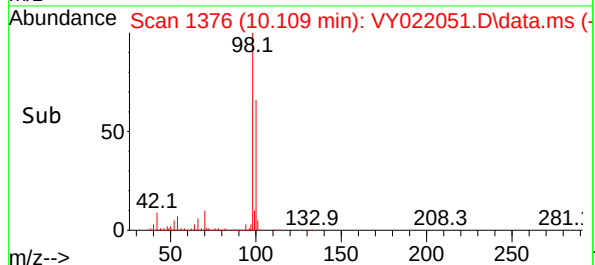
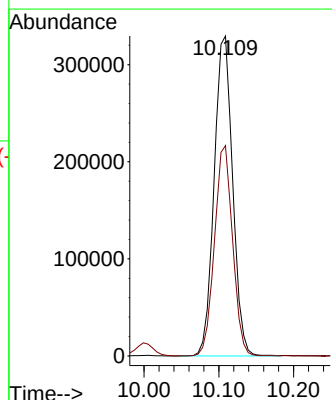
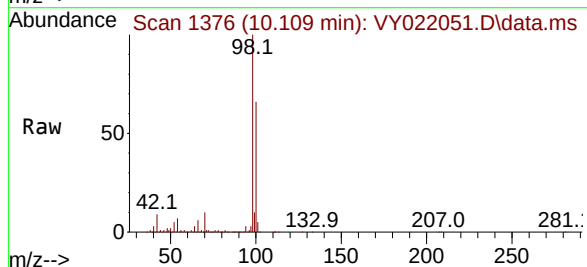
Acq: 29 Apr 2025 12:22

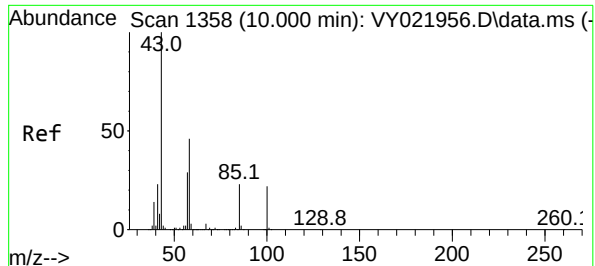
Tgt Ion: 98 Resp: 567972

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

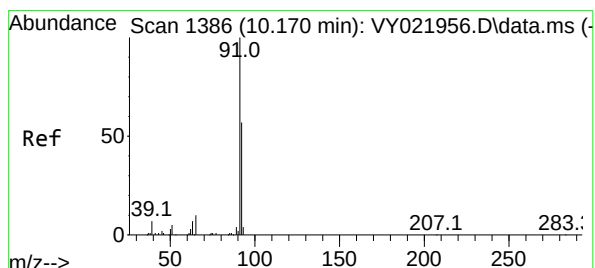
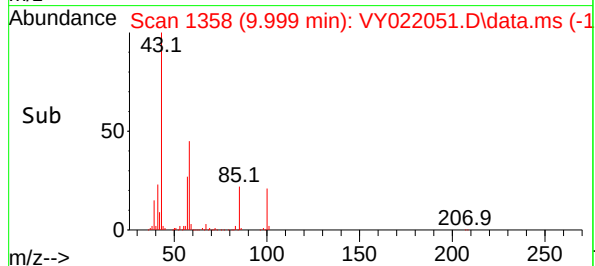
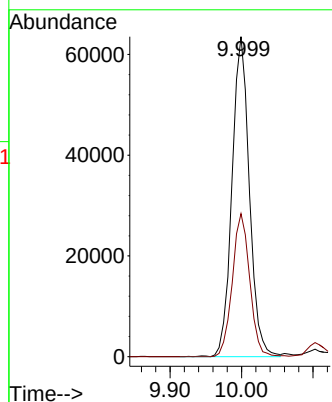
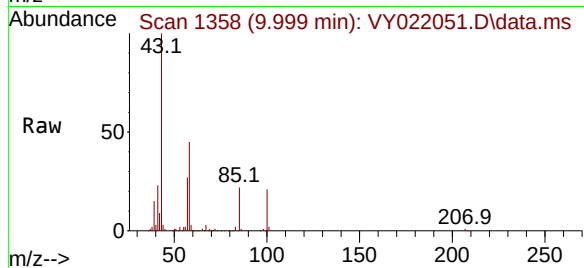




#51
4-Methyl-2-Pentanone
Concen: 75.133 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

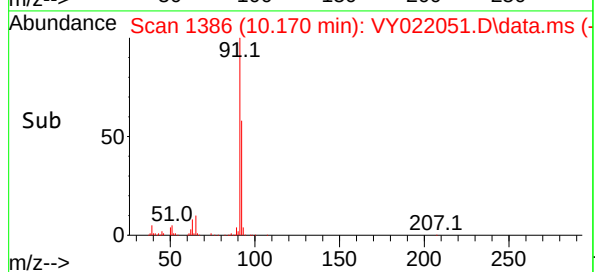
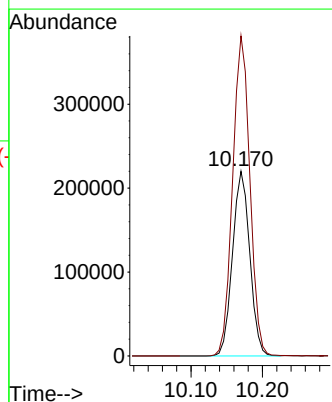
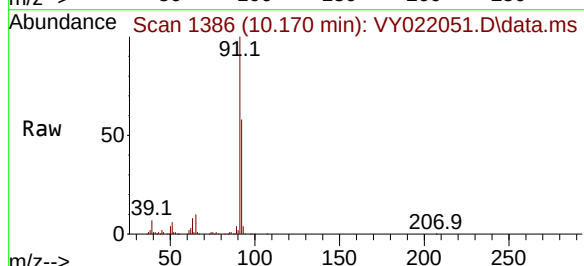
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

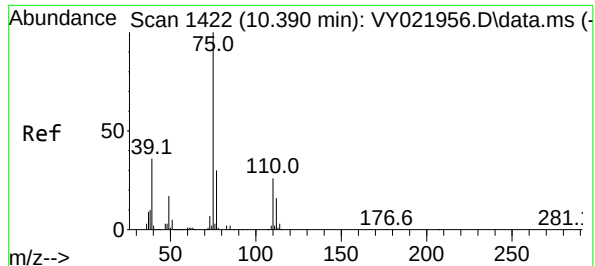
Tgt Ion: 43 Resp: 107247
Ion Ratio Lower Upper
43 100
58 44.8 36.6 55.0



#52
Toluene
Concen: 46.109 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

Tgt Ion: 92 Resp: 368349
Ion Ratio Lower Upper
92 100
91 173.4 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 27.796 ug/l

RT: 10.395 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

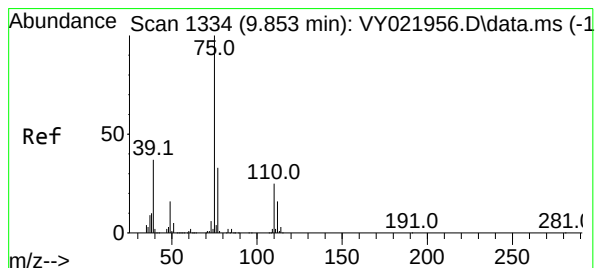
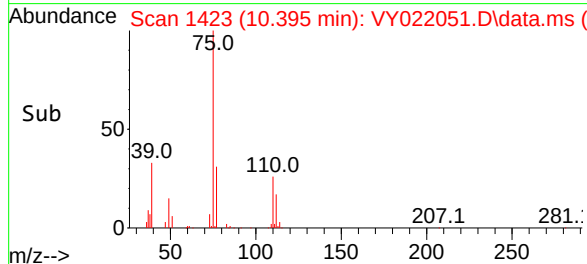
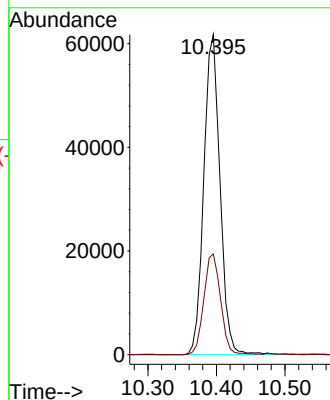
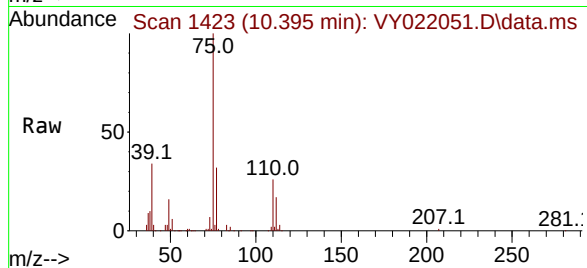
HW0425-PT-VOA-SOILD

Tgt Ion: 75 Resp: 101756

Ion Ratio Lower Upper

75 100

77 31.5 24.0 36.0



#54

cis-1,3-Dichloropropene

Concen: 23.770 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

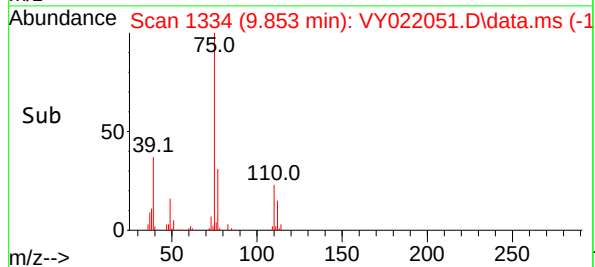
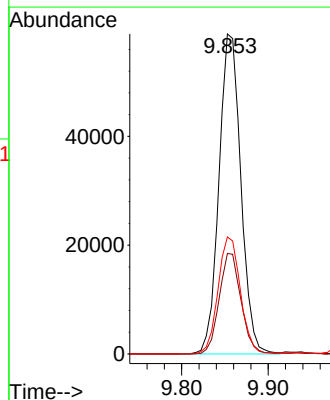
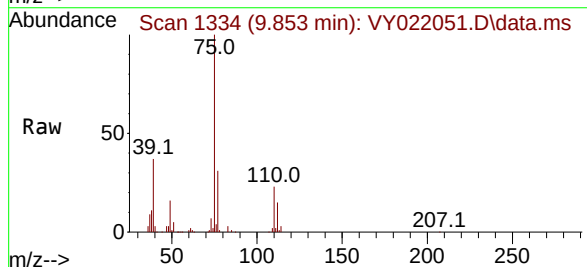
Tgt Ion: 75 Resp: 103440

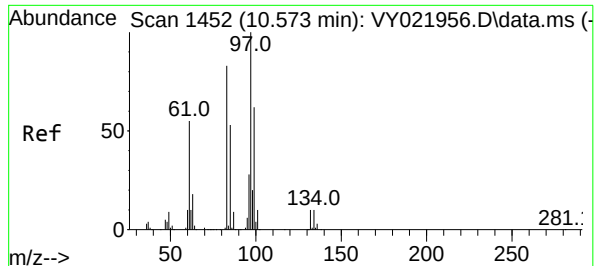
Ion Ratio Lower Upper

75 100

77 31.4 26.6 40.0

39 36.6 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 18.103 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022051.D

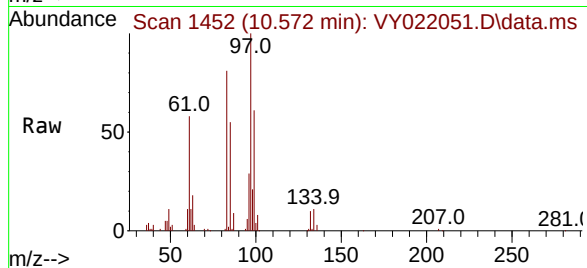
Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL



Tgt Ion: 97 Resp: 41313

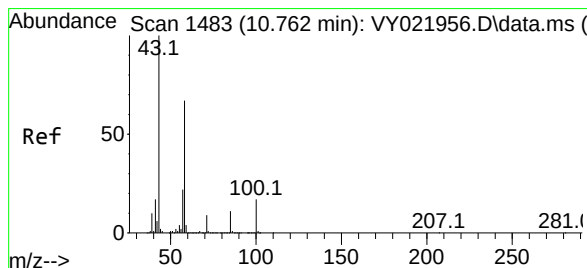
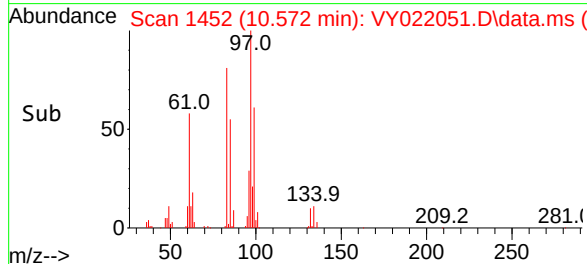
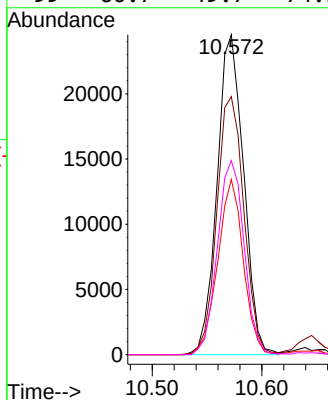
Ion Ratio Lower Upper

97 100

83 80.6 66.7 100.1

85 54.8 42.6 64.0

99 60.7 49.7 74.5



#59

2-Hexanone

Concen: 72.648 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022051.D

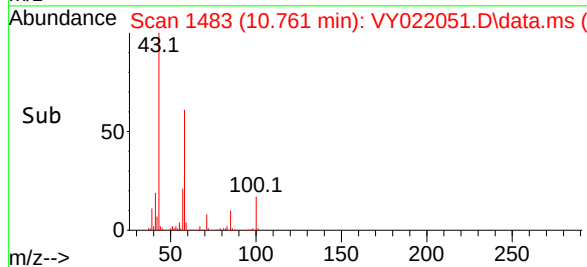
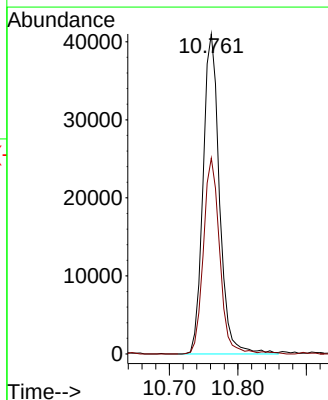
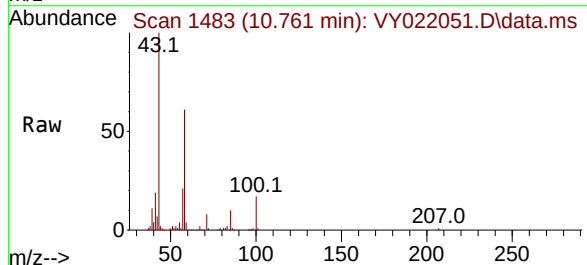
Acq: 29 Apr 2025 12:22

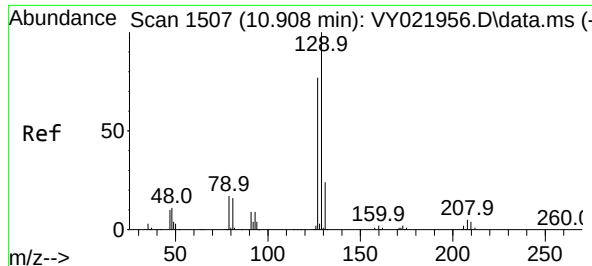
Tgt Ion: 43 Resp: 68399

Ion Ratio Lower Upper

43 100

58 60.4 32.0 96.0

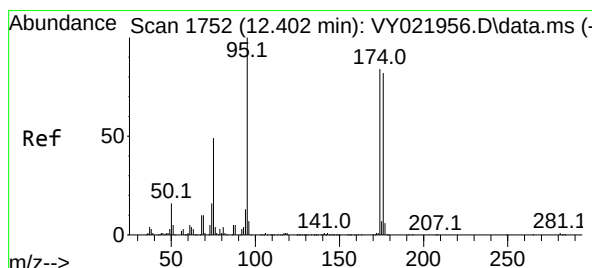
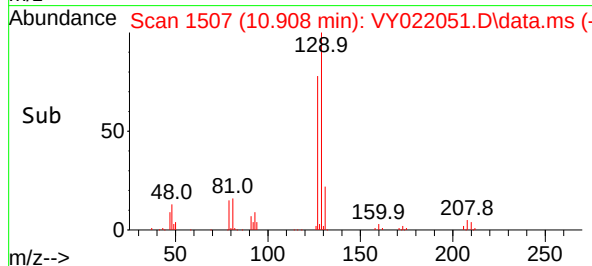
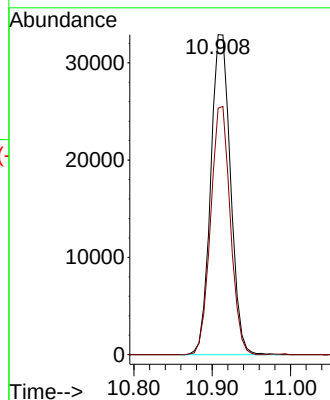
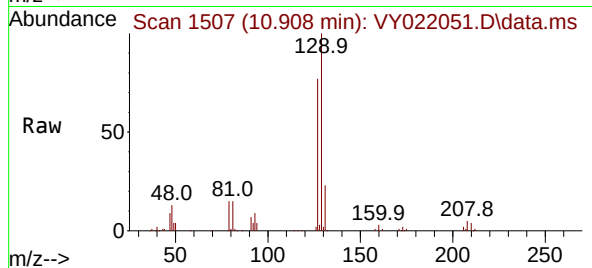




#60
Dibromochloromethane
Concen: 18.275 ug/l
RT: 10.908 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

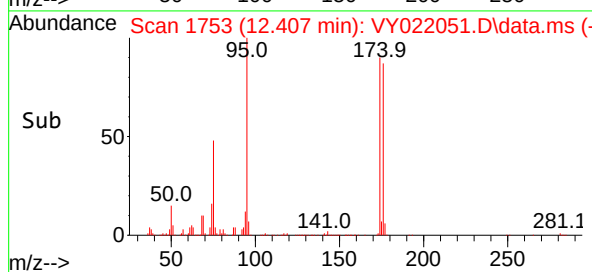
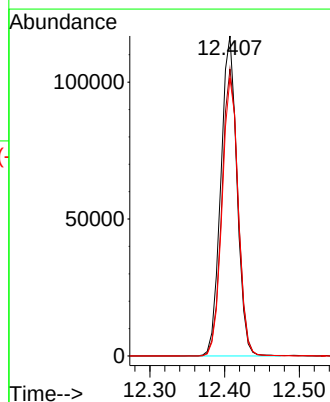
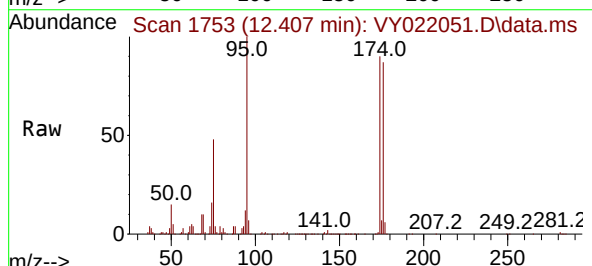
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

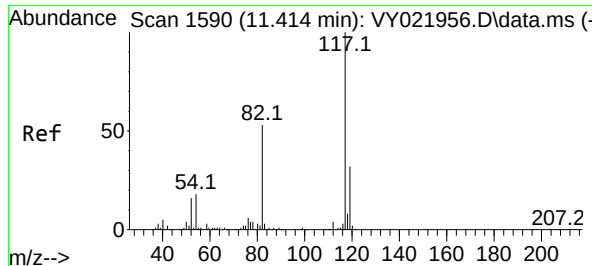
Tgt Ion:129 Resp: 57740
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3



#62
4-Bromofluorobenzene
Concen: 47.228 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022051.D
Acq: 29 Apr 2025 12:22

Tgt Ion: 95 Resp: 176167
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 86.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022051.D

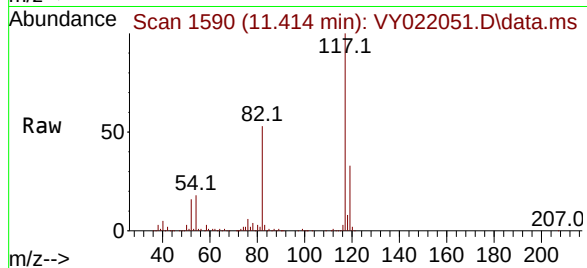
Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL



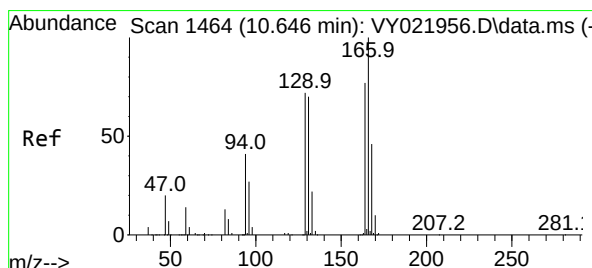
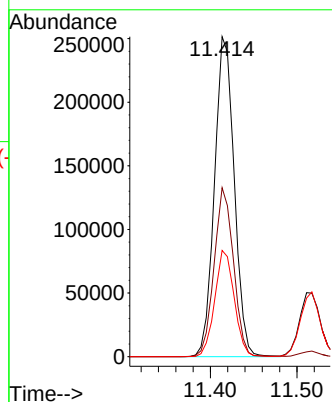
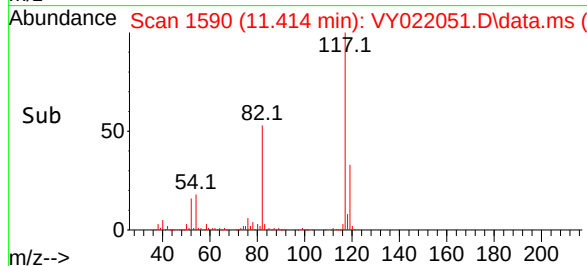
Tgt Ion:117 Resp: 398616

Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

119 33.2 25.7 38.5



#64

Tetrachloroethene

Concen: 25.570 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Tgt Ion:164 Resp: 96153

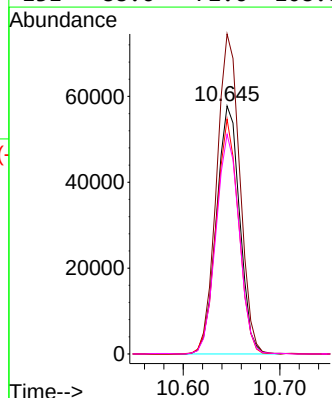
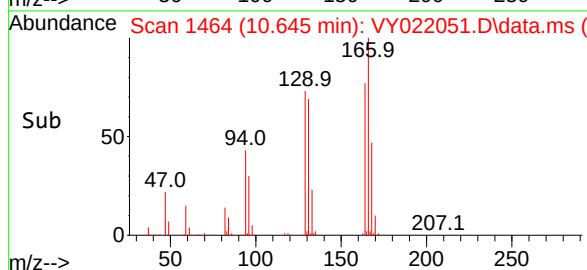
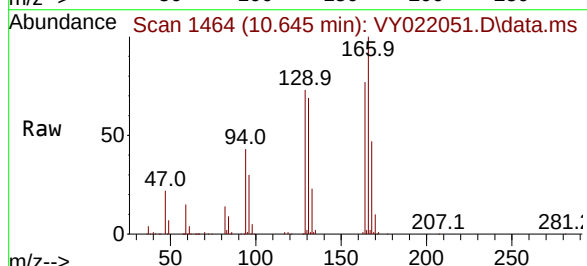
Ion Ratio Lower Upper

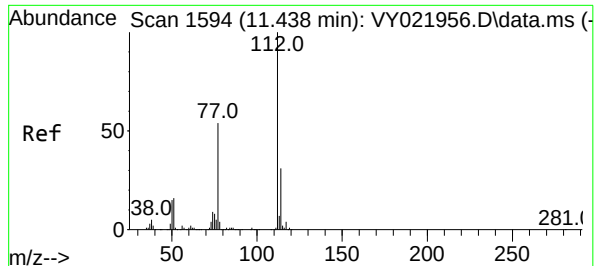
164 100

166 129.1 103.6 155.4

129 94.7 74.2 111.4

131 88.6 72.6 108.8





#65

Chlorobenzene

Concen: 23.425 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

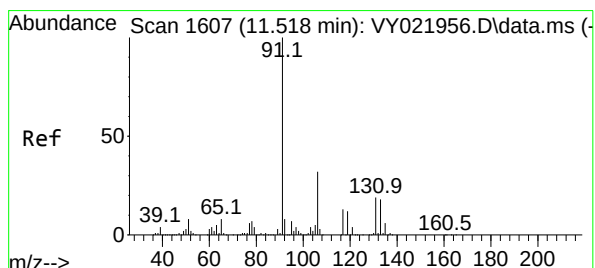
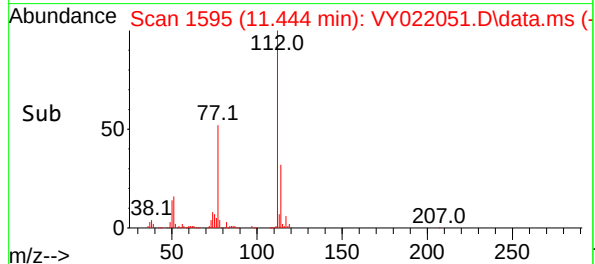
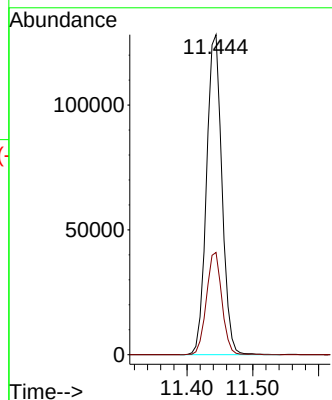
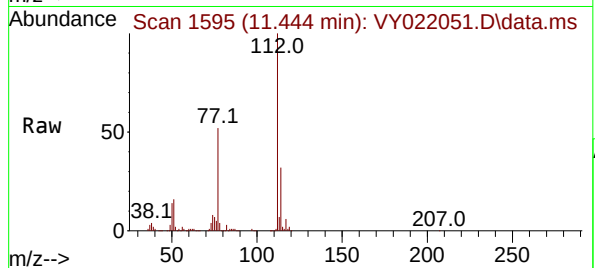
HW0425-PT-VOA-SOILD

Tgt Ion:112 Resp: 208808

Ion Ratio Lower Upper

112 100

114 32.0 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 39.632 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

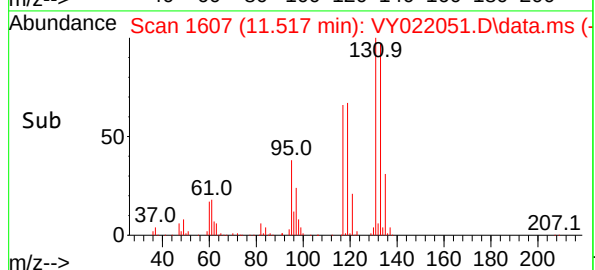
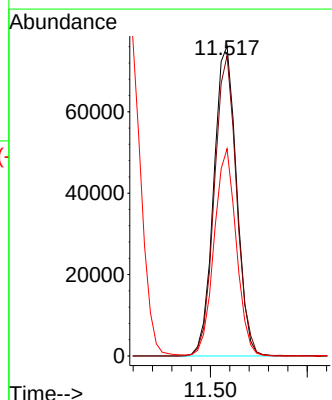
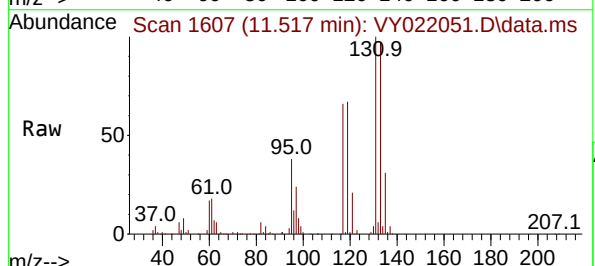
Tgt Ion:131 Resp: 124374

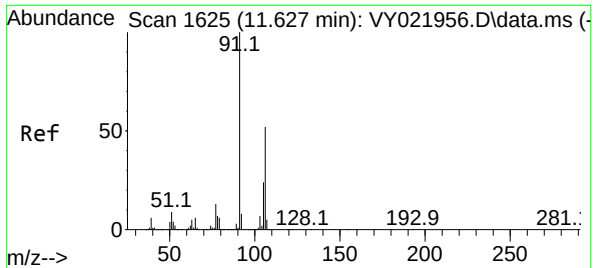
Ion Ratio Lower Upper

131 100

133 94.8 47.8 143.3

119 65.0 32.4 97.0





#68

m/p-Xylenes

Concen: 27.792 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

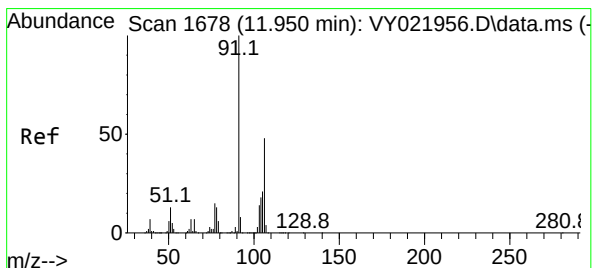
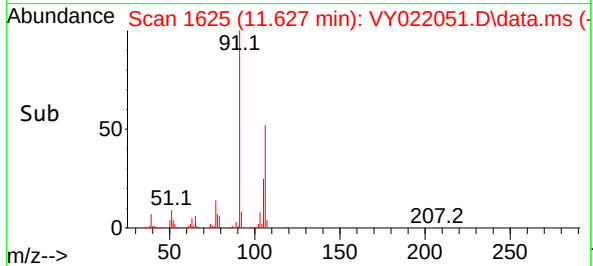
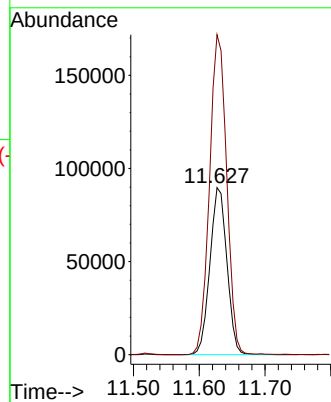
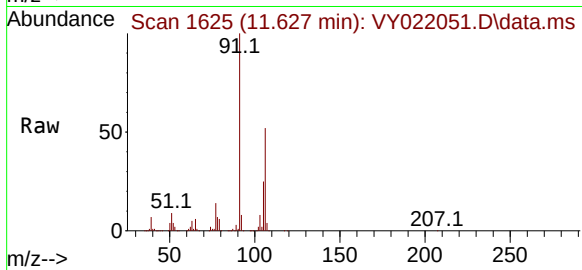
HW0425-PT-VOA-SOILDL

Tgt Ion:106 Resp: 161265

Ion Ratio Lower Upper

106 100

91 193.7 156.2 234.2



#69

o-Xylene

Concen: 30.346 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY022051.D

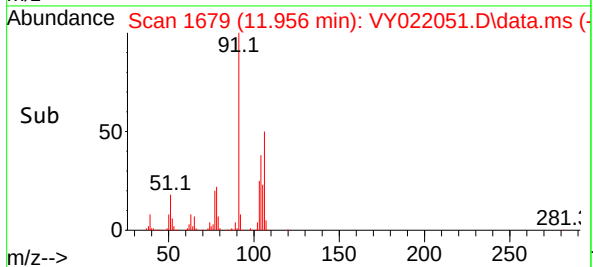
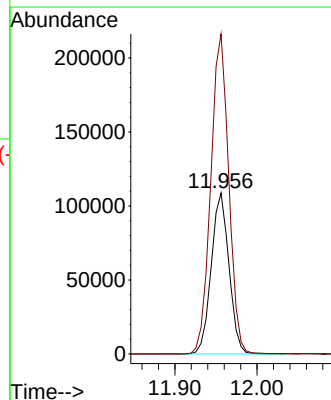
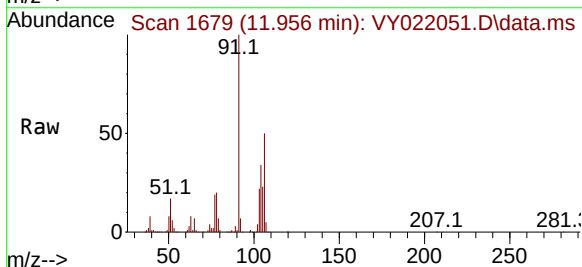
Acq: 29 Apr 2025 12:22

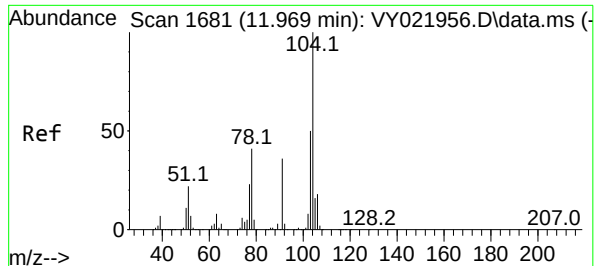
Tgt Ion:106 Resp: 162292

Ion Ratio Lower Upper

106 100

91 202.2 103.0 308.9





#70

Styrene

Concen: 31.114 ug/l

RT: 11.968 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

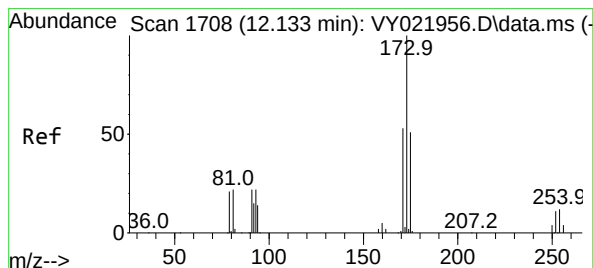
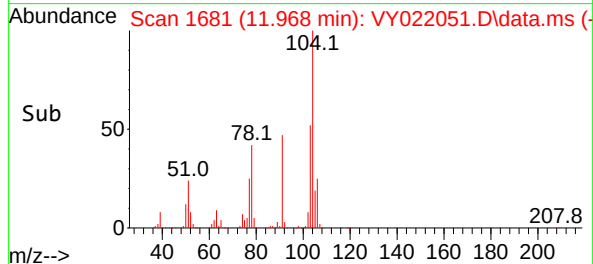
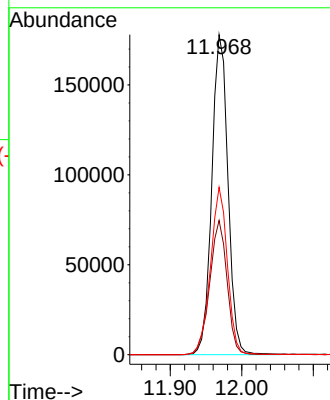
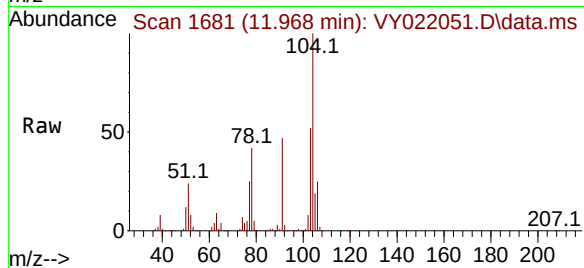
Tgt Ion:104 Resp: 279394

Ion Ratio Lower Upper

104 100

78 45.0 36.6 54.8

103 54.7 43.8 65.8



#71

Bromoform

Concen: 23.996 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

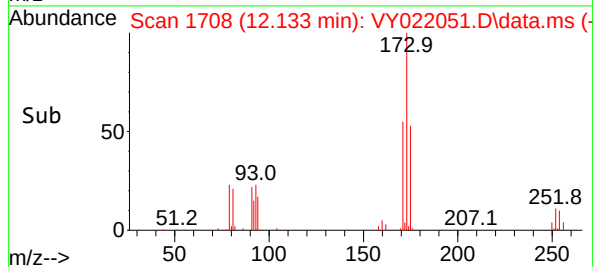
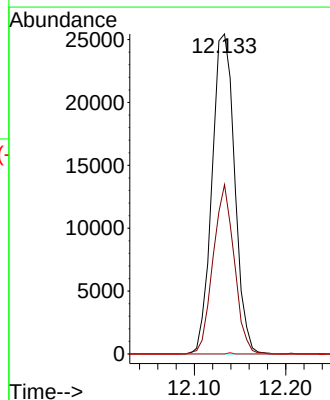
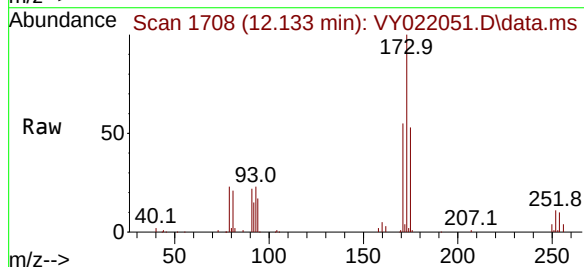
Tgt Ion:173 Resp: 43782

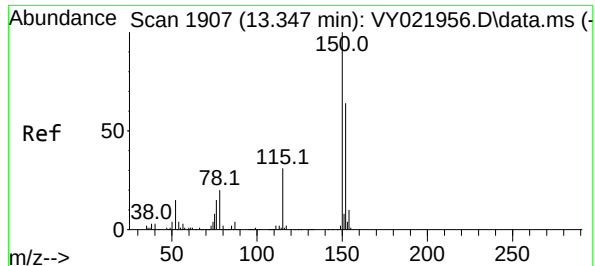
Ion Ratio Lower Upper

173 100

175 49.4 24.3 72.8

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: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD

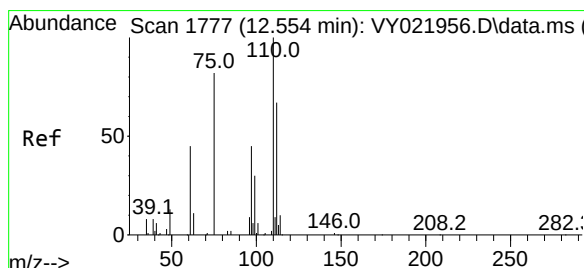
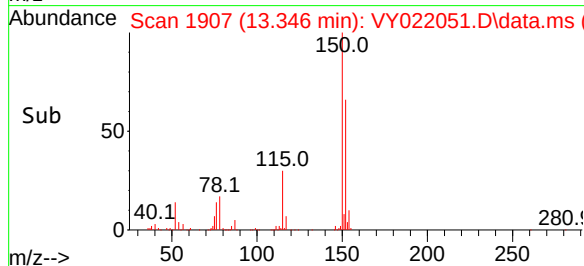
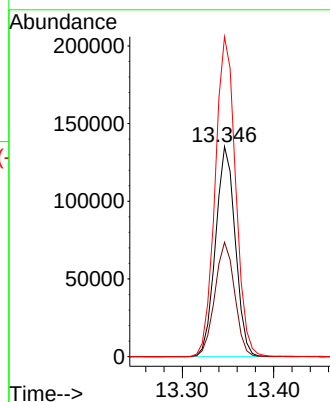
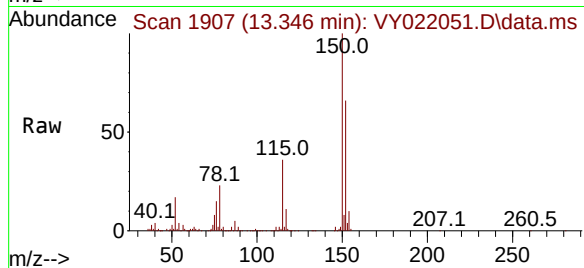
Tgt Ion:152 Resp: 202989

Ion Ratio Lower Upper

152 100

115 55.0 28.0 84.0

150 158.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 28.027 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022051.D

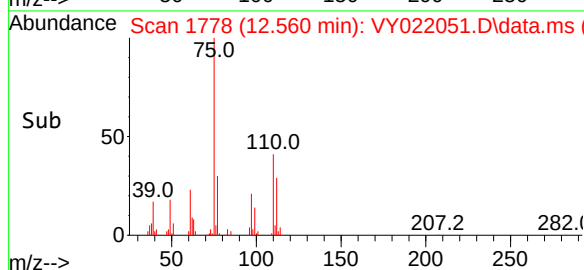
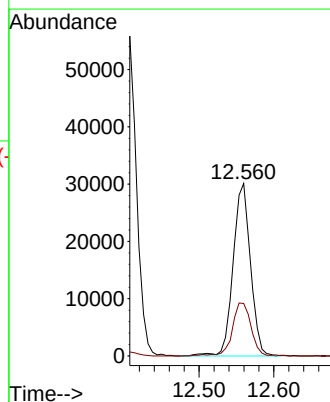
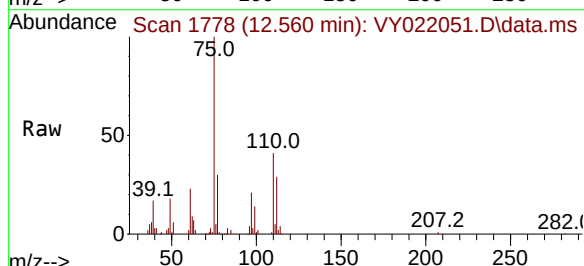
Acq: 29 Apr 2025 12:22

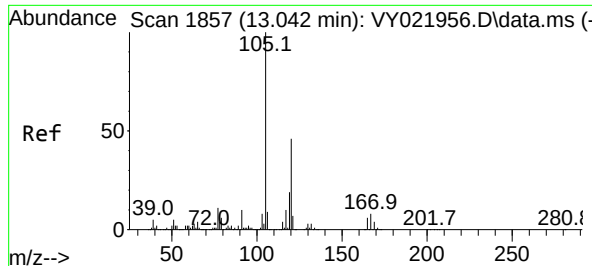
Tgt Ion: 75 Resp: 48730

Ion Ratio Lower Upper

75 100

77 33.4 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 37.827 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

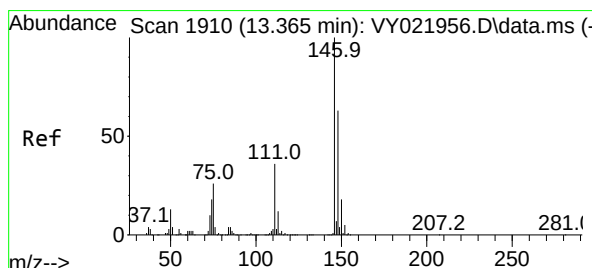
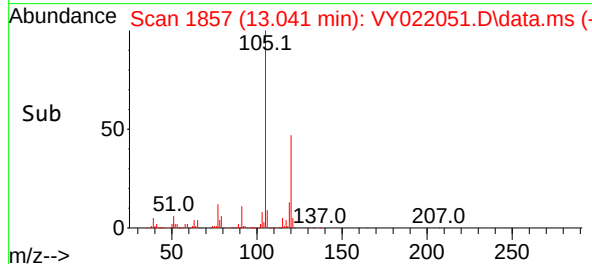
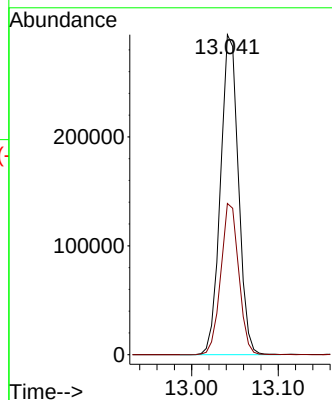
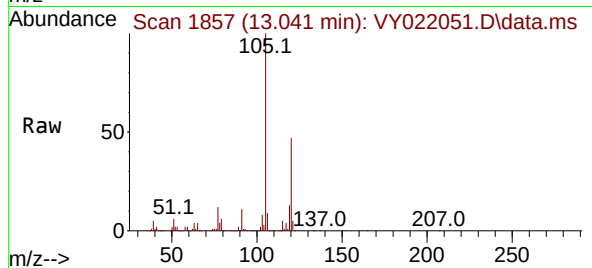
HW0425-PT-VOA-SOILDL

Tgt Ion:105 Resp: 422779

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0



#88

1,4-Dichlorobenzene

Concen: 6.490 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

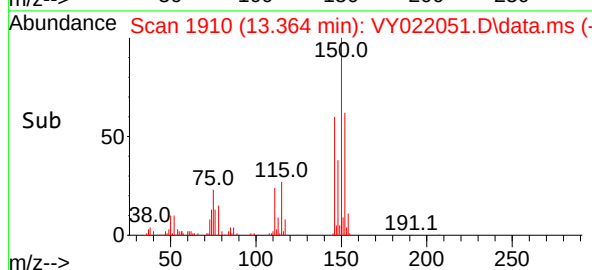
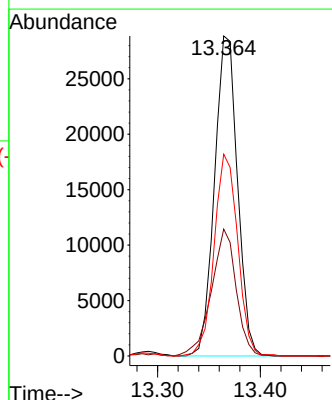
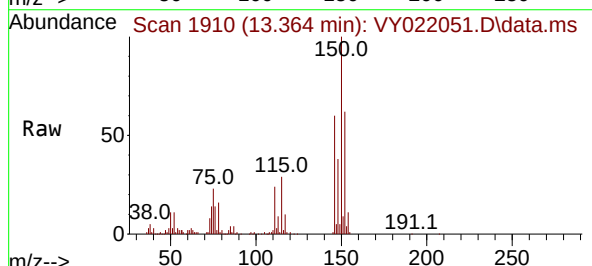
Tgt Ion:146 Resp: 44739

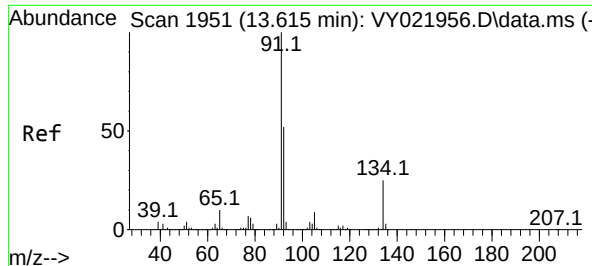
Ion Ratio Lower Upper

146 100

111 42.7 19.2 57.6

148 64.8 32.0 96.0





#89

n-Butylbenzene

Concen: 12.111 ug/l

RT: 13.620 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

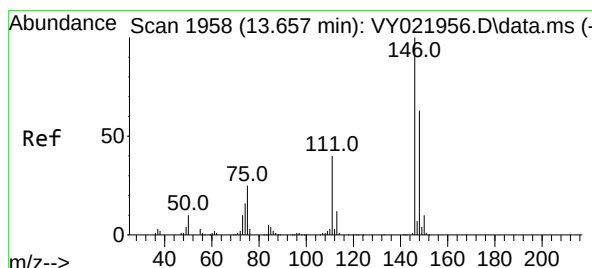
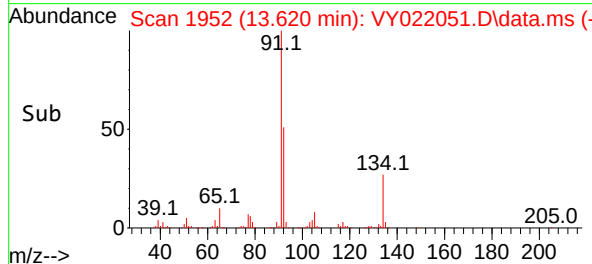
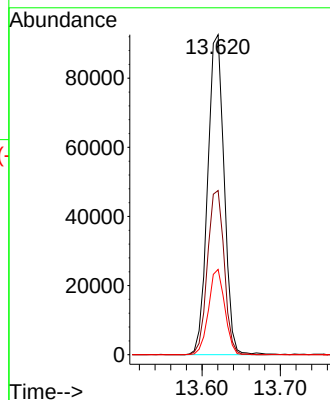
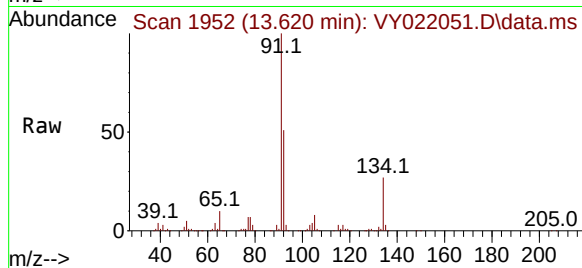
Tgt Ion: 91 Resp: 134799

Ion Ratio Lower Upper

91 100

92 52.0 26.5 79.5

134 26.3 13.4 40.1



#91

1,2-Dichlorobenzene

Concen: 12.895 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 12:22

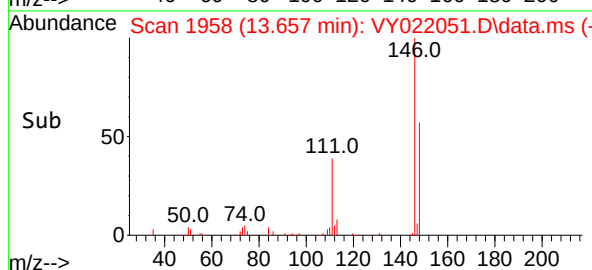
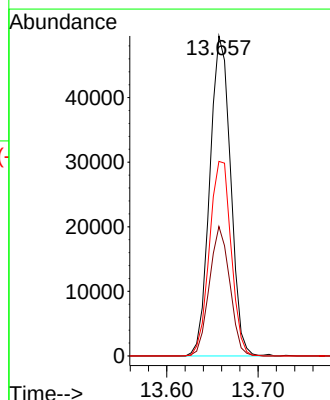
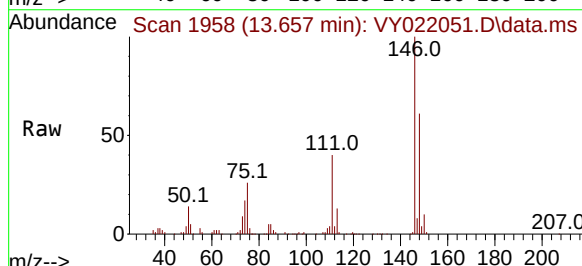
Tgt Ion:146 Resp: 78278

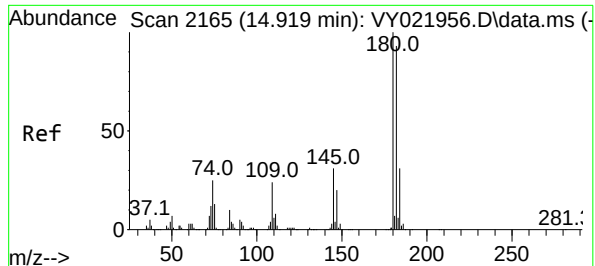
Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.1

148 63.6 32.1 96.3





#93

1,2,4-Trichlorobenzene

Concen: 12.064 ug/l

RT: 14.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022051.D

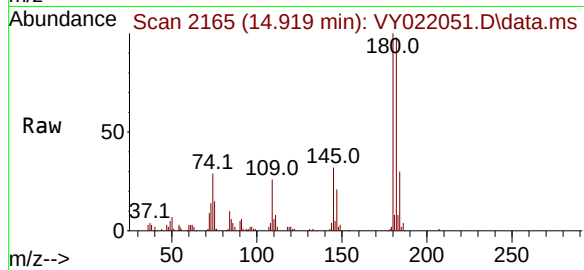
Acq: 29 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL



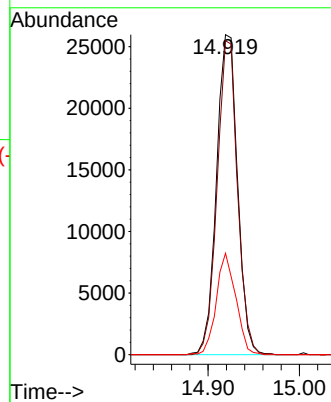
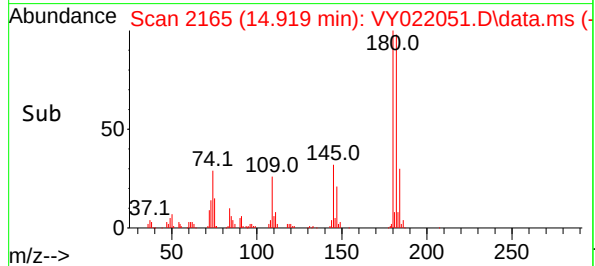
Tgt Ion:180 Resp: 41502

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.4

145 29.5 15.0 45.0





CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03
 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021953.D		RRF010 = VY021954.D		RRF020 = VY021955.D			
		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7	
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2	
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1	
Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.7	
Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.5	
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3	
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6	
Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.9	
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9	
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8	
Tert butyl alcohol	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.4	
Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.2	
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5	
Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.6	
Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.6	
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7	
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7	
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6	
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2	
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7	
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3	
Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.1	
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9	
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6	
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5	
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9	
2,2-Dichloropropane	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.4	
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1	
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2	
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03
 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021953.D		RRF010 = VY021954.D		RRF020 = VY021955.D		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D	
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
1,1,1-Trichloroethane		0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8				
Methylcyclohexane		0.525	0.569	0.519	0.549	0.600	0.589	0.558	6				
1,1-Dichloropropene		0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.1				
Benzene		1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1				
1,2-Dichloroethane		0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3				
Trichloroethene		0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3				
1,2-Dichloropropane		0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4				
Dibromomethane		0.202	0.193	0.192	0.187	0.191	0.187	0.192	3				
Bromodichloromethane		0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1				
4-Methyl-2-Pentanone		0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9				
Methyl methacrylate		0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.2				
Toluene		0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4				
t-1,3-Dichloropropene		0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7				
cis-1,3-Dichloropropene		0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3				
1,1,2-Trichloroethane		0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8				
1,3-Dichloropropane		0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.6				
2-Chloroethyl Vinyl ether		0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.4				
2-Hexanone		0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5				
Dibromochloromethane		0.345	0.355	0.354	0.352	0.367	0.357	0.355	2				
1,2-Dibromoethane		0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3				
Tetrachloroethene		0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6				
Chlorobenzene		1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5				
1,1,1,2-Tetrachloroethane		0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.1				
Hexachloroethane		0.715	0.710	0.614	0.638	0.689	0.677	0.674	6				
Ethyl Benzene		1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1				
m/p-Xylenes		0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3				
o-Xylene		0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3				
Styrene		0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2				
Bromoform		0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5				
Isopropylbenzene		3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2				

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03
 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY021953.D		RRF010 = VY021954.D		RRF020 = VY021955.D		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4				
1,2,3-Trichloropropane	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.8				
Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.8				
n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.3				
2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.1				
1,3,5-Trimethylbenzene	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.8				
4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.2				
tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.469	8.5				
1,2,4-Trimethylbenzene	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8				
sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.7				
p-Isopropyltoluene	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.4				
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5				
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7				
n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.2				
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8				
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9				
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1				
Hexachlorobutadiene	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.3				
Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.6				
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2				
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3				
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3				
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2				
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8				
N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.5				
Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.3				
Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.8				
trans-1,4-Dichloro-2-butene	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.9				
Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.2				
Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.8				

* 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.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03
 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF005 = VY021953.D			RRF010 = VY021954.D			RRF020 = VY021955.D		
RRF050 = VY021956.D			RRF100 = VY021957.D			RRF150 = VY021958.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
1,4-Dioxane	1.839	2.045	2.213	2.031	2.084	2.067	2.047	5.9

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y042225S.M
 Title : SW846 8260
 Last Update : Wed Apr 23 02:30:30 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3) P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4) C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5) T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6) T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7) T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8) T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9) T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10) T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11) T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12) CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13) T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14) T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15) T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16) T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17) T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18) T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19) T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20) T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21) T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22) T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23) T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24) P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25) T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26) T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27) T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28) T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29) T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30) C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31) T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32) T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33) S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36) T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37) T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38) T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39) T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40) TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41) T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42) TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43) T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44) TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45) C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46) T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47) T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48) T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50) S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51) T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52) CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53) T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54) T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55) T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56) T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

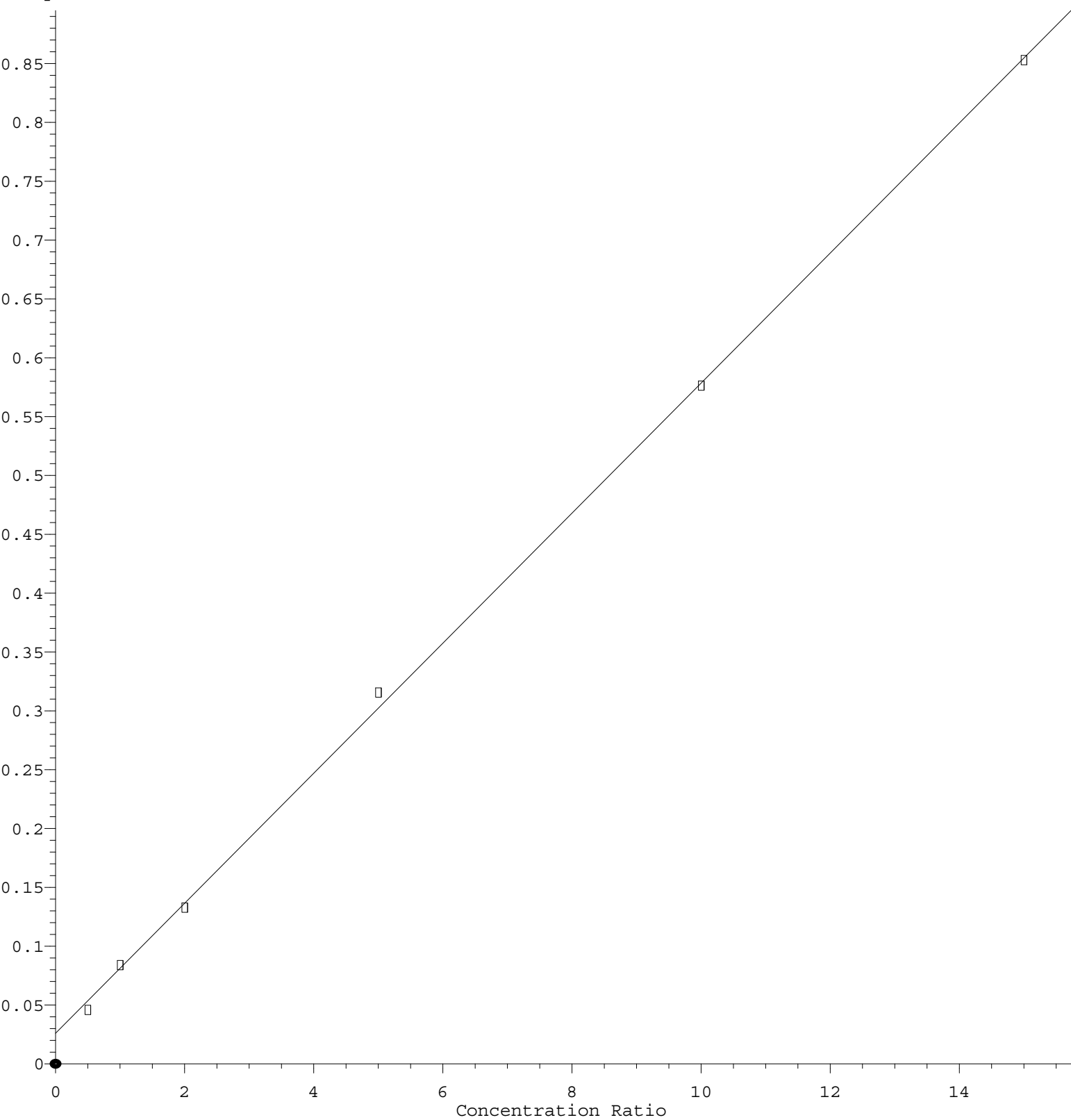
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range

Acetone

Response Ratio



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021953.D
 Acq On : 22 Apr 2025 13:39
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.360%#
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.140%#
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.800%#
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.740%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021953.D
 Acq On : 22 Apr 2025 13:39
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345	ug/l	
42) 1,2-Dichloroethane	8.158	62	16046	5.046	ug/l	96
43) Isopropyl Acetate	8.195	43	13940	4.919	ug/l #	86
44) Trichloroethene	8.865	130	18611	5.231	ug/l	96
45) 1,2-Dichloropropane	9.146	63	14827	5.220	ug/l	99
46) Dibromomethane	9.231	93	9367	5.268	ug/l	96
47) Bromodichloromethane	9.420	83	22170	4.991	ug/l #	96
48) Methyl methacrylate	9.225	41	5570	4.252	ug/l	94
49) 1,4-Dioxane	9.231	88	1703	89.863	ug/l #	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414	ug/l	98
52) Toluene	10.170	92	38784	4.665	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649	ug/l #	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765	ug/l	92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877	ug/l	94
56) Ethyl methacrylate	10.444	69	10816	3.982	ug/l	96
57) 1,3-Dichloropropane	10.719	76	19113	5.020	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606	ug/l	100
59) 2-Hexanone	10.761	43	21558	22.001	ug/l	92
60) Dibromochloromethane	10.914	129	15992	4.863	ug/l	97
61) 1,2-Dibromoethane	11.017	107	11020	4.915	ug/l	98
64) Tetrachloroethene	10.646	164	20545	5.302	ug/l	91
65) Chlorobenzene	11.444	112	48805	5.314	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097	ug/l	98
67) Ethyl Benzene	11.517	91	69548	4.629	ug/l	97
68) m/p-Xylenes	11.627	106	54518	9.119	ug/l	100
69) o-Xylene	11.956	106	24611	4.466	ug/l	98
70) Styrene	11.969	104	39016	4.217	ug/l	97
71) Bromoform	12.133	173	9608	5.111	ug/l #	98
73) Isopropylbenzene	12.255	105	62917	4.582	ug/l	97
74) N-amyl acetate	12.072	43	10843	4.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648	ug/l	
77) Bromobenzene	12.535	156	17570	5.064	ug/l	100
78) n-propylbenzene	12.596	91	76210	4.660	ug/l	100
79) 2-Chlorotoluene	12.682	91	46298	4.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191	ug/l	98
82) 4-Chlorotoluene	12.779	91	47541	4.809	ug/l	98
83) tert-Butylbenzene	12.999	119	46171	4.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387	ug/l	99
85) sec-Butylbenzene	13.176	105	66872	4.504	ug/l	99
86) p-Isopropyltoluene	13.291	119	55850	4.430	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362	ug/l	95
89) n-Butylbenzene	13.621	91	50918	4.518	ug/l	99
90) Hexachloroethane	13.883	117	14703	5.308	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406	ug/l	94
94) Hexachlorobutadiene	15.023	225	10723	5.004	ug/l	98
95) Naphthalene	15.145	128	24368	4.212	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

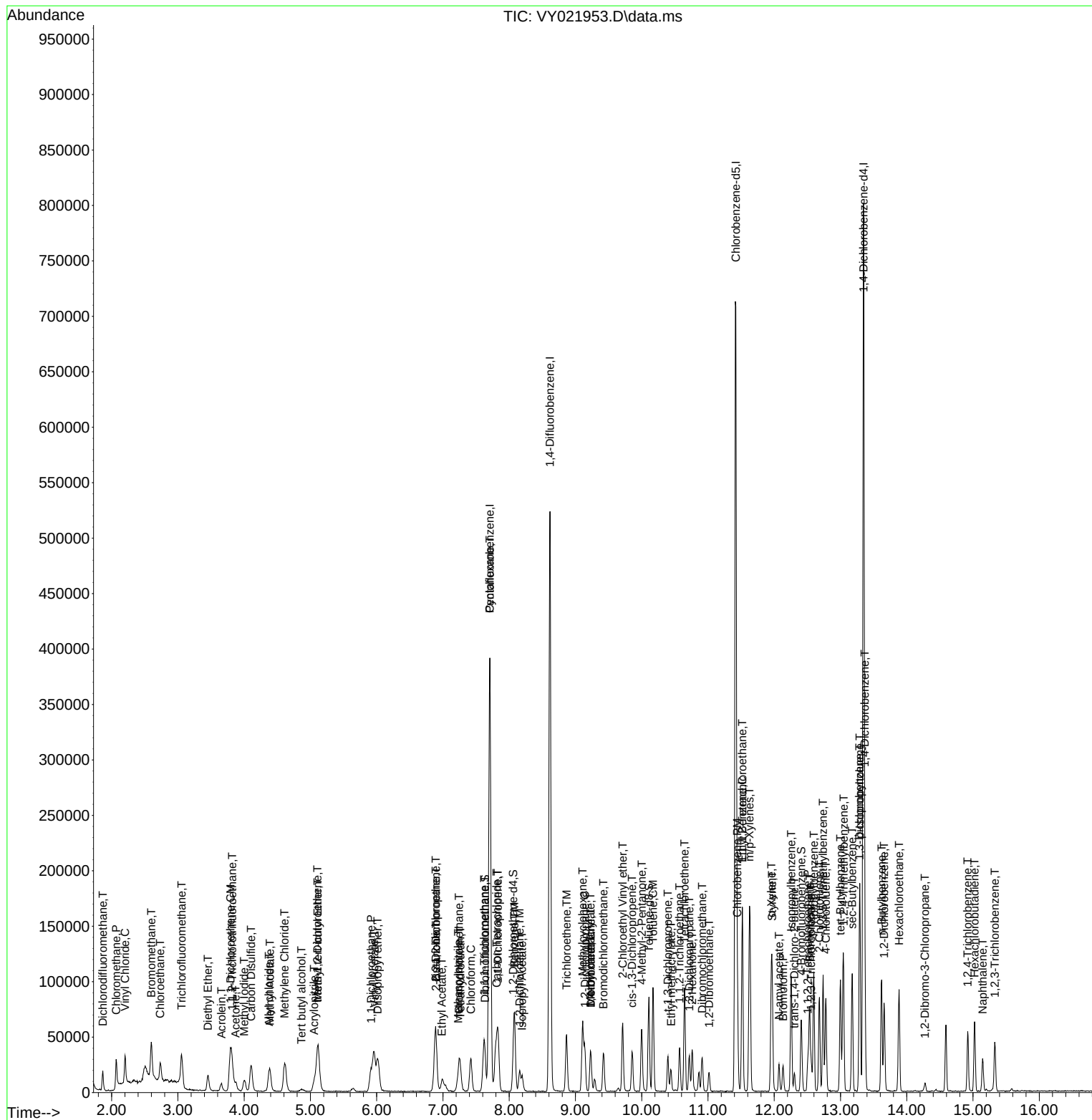
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

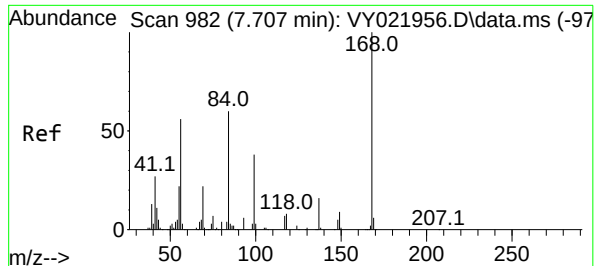
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

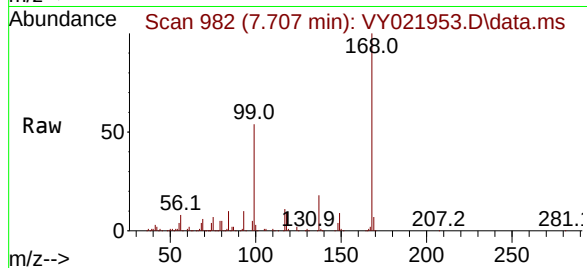
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

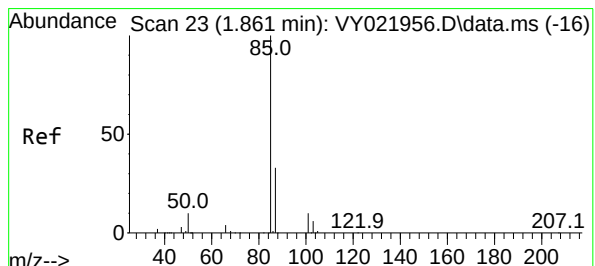
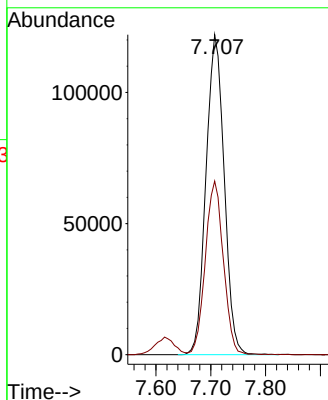
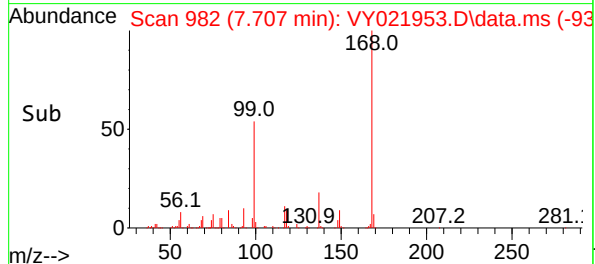
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 168 Resp: 28061
Ion Ratio Lower Upper
168 100
99 54.2 43.1 64.7

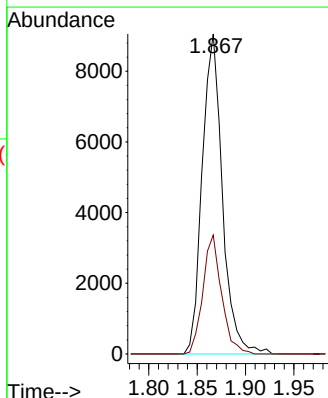
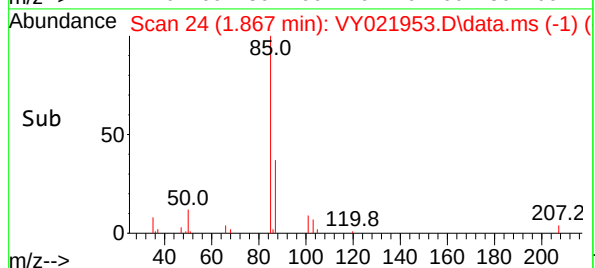
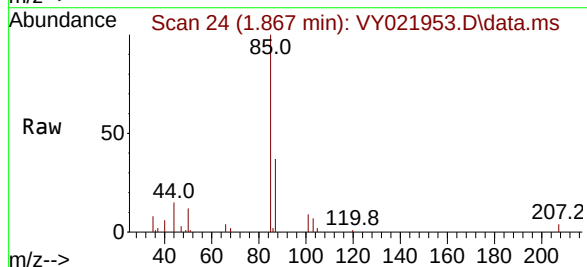
Manual Integrations
APPROVED

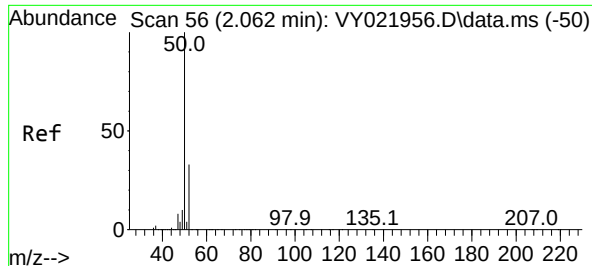
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 5.503 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 85 Resp: 13157
Ion Ratio Lower Upper
85 100
87 37.1 16.6 49.7





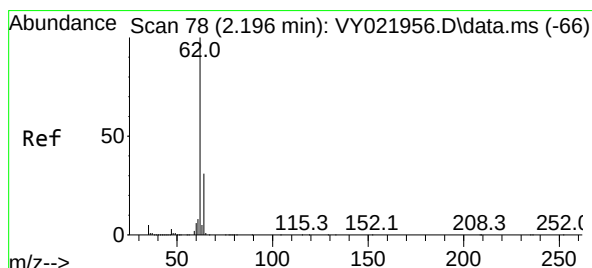
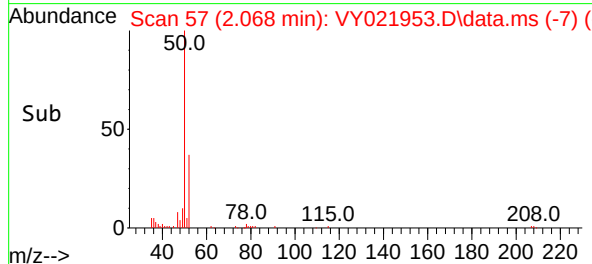
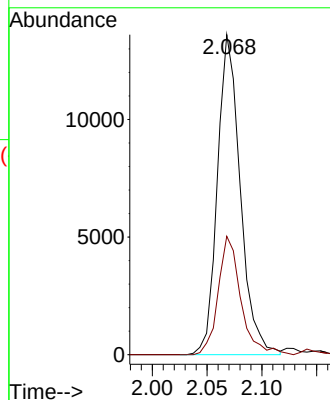
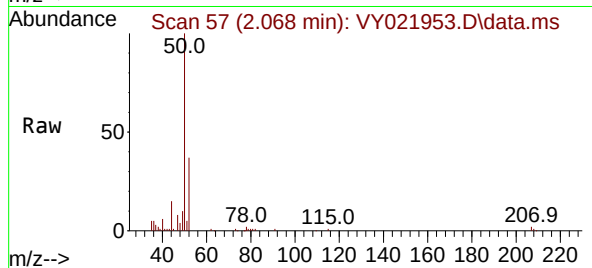
#3
Chloromethane
Concen: 5.803 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 1975
Ion Ratio Lower Upper
50 100
52 37.0 26.1 39.1

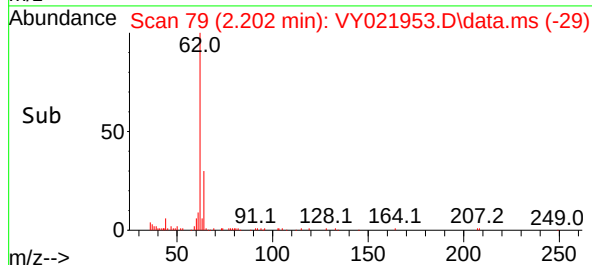
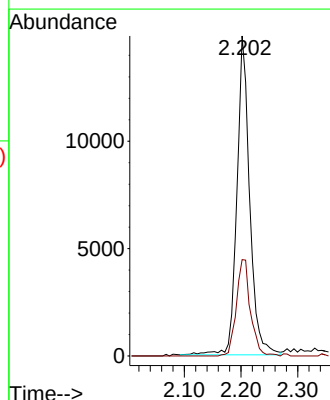
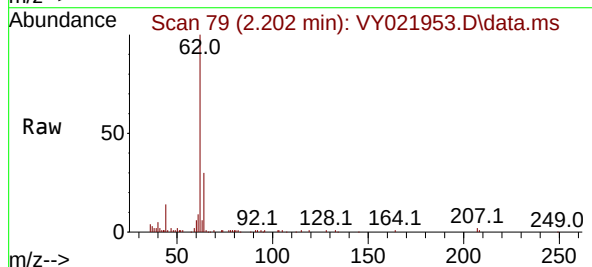
Manual Integrations
APPROVED

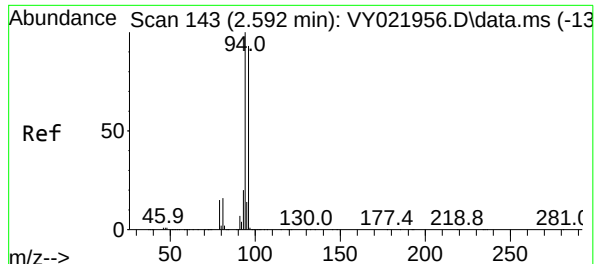
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 5.560 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 62 Resp: 23262
Ion Ratio Lower Upper
62 100
64 30.2 25.1 37.7





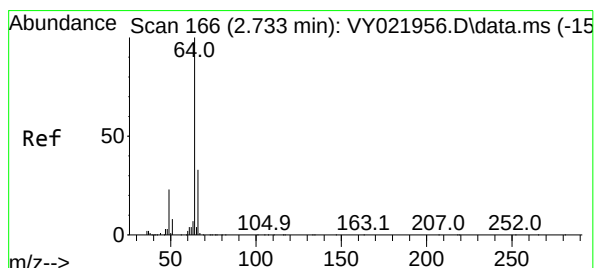
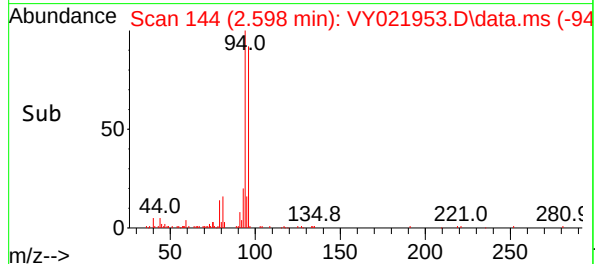
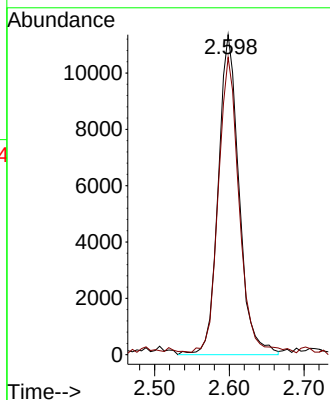
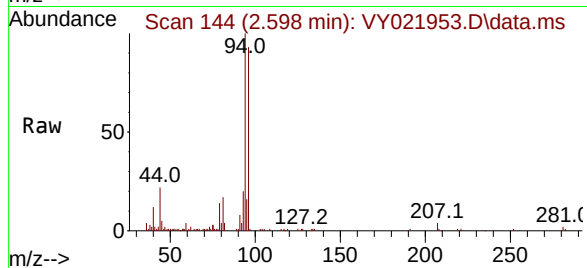
#5
Bromomethane
Concen: 6.091 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 21950
Ion Ratio Lower Upper
94 100
96 91.9 74.6 111.8

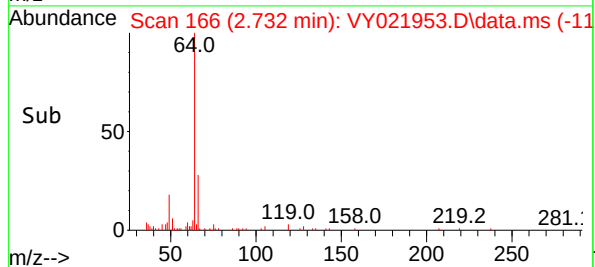
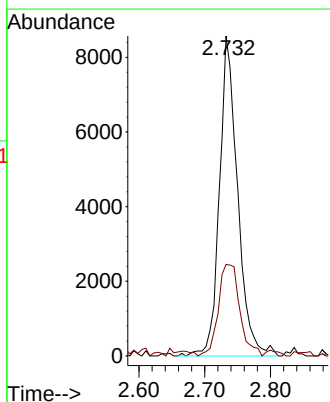
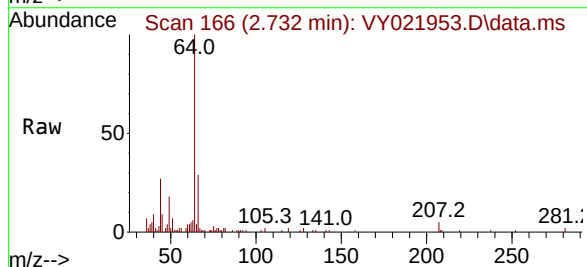
Manual Integrations
APPROVED

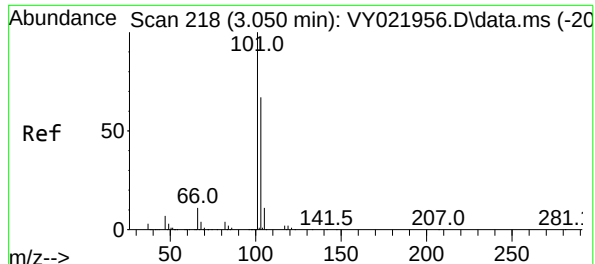
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 5.800 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

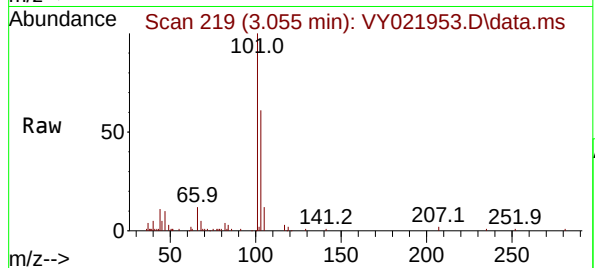
Tgt Ion: 64 Resp: 16527
Ion Ratio Lower Upper
64 100
66 27.3 26.2 39.4





#7
Trichlorofluoromethane
Concen: 5.329 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

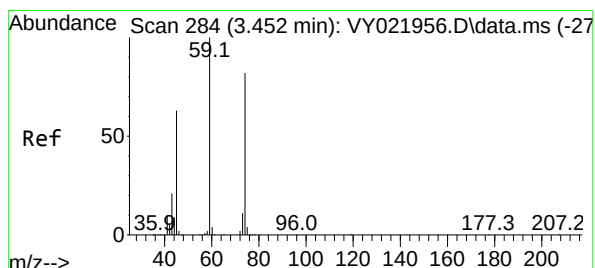
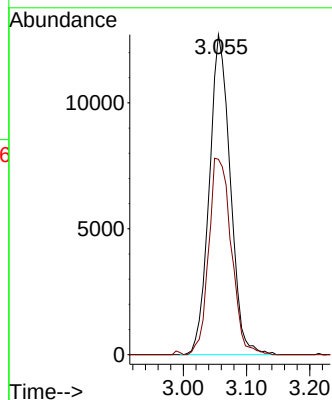
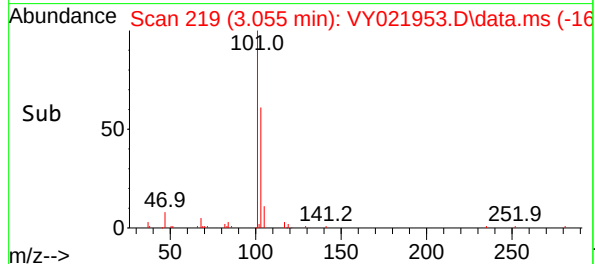
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 101 Resp: 2939
Ion Ratio Lower Upper
101 100
103 61.1 53.6 80.4

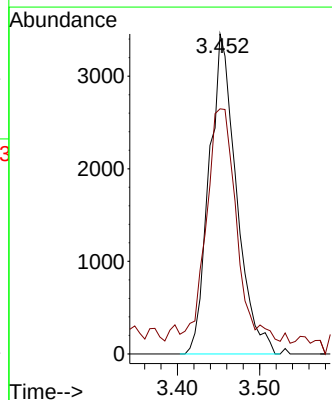
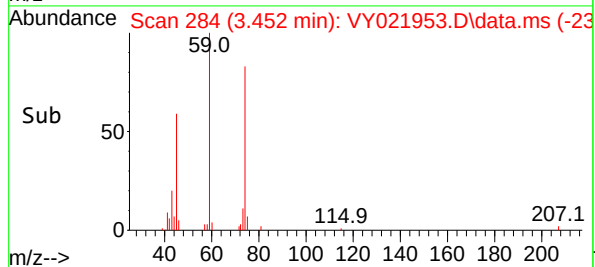
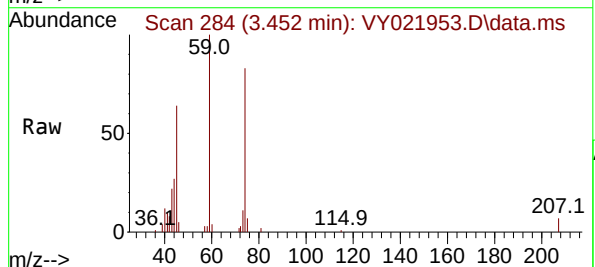
Manual Integrations
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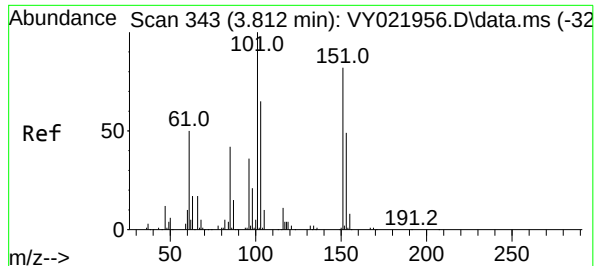
Reviewed By : Semsettin Yesilyurt 04/23/2025
Supervised By : Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 5.536 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 74 Resp: 7949
Ion Ratio Lower Upper
74 100
45 83.9 39.1 117.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.667 ug/l

RT: 3.818 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

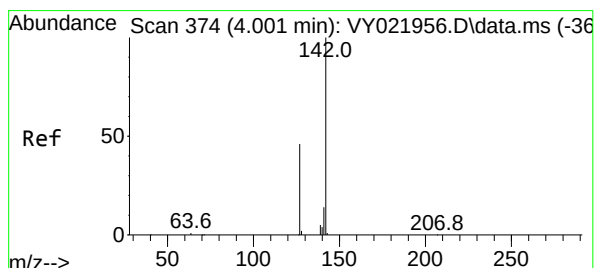
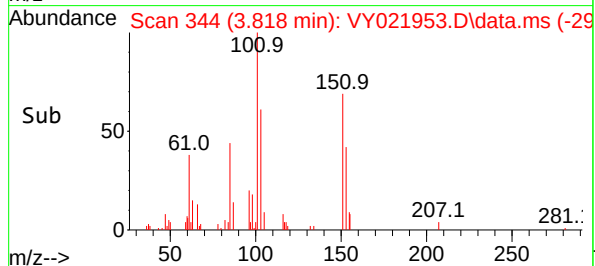
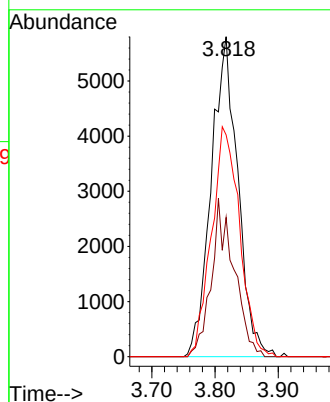
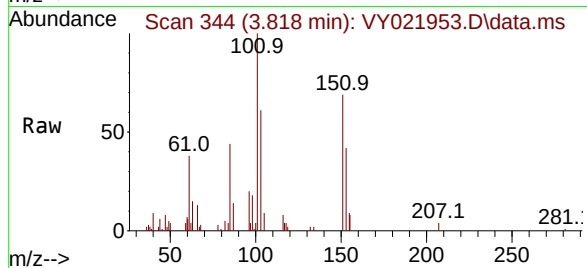
VSTDIC005

Tgt Ion:	101	Resp:	1695
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.6	51.8
151	75.9	63.7	95.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10

Methyl Iodide

Concen: 4.638 ug/l

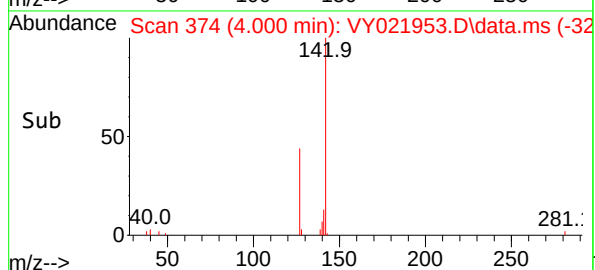
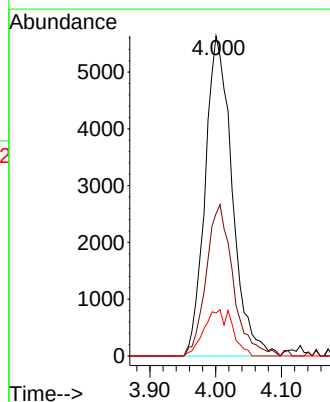
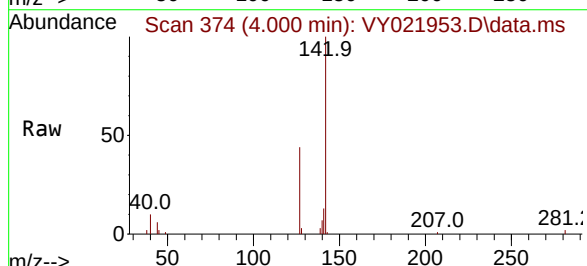
RT: 4.000 min Scan# 374

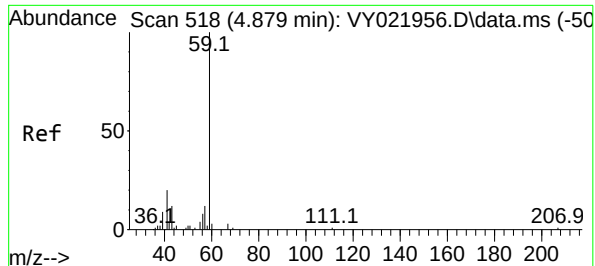
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	142	Resp:	16072
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.2	54.2
141	15.3	11.7	17.5





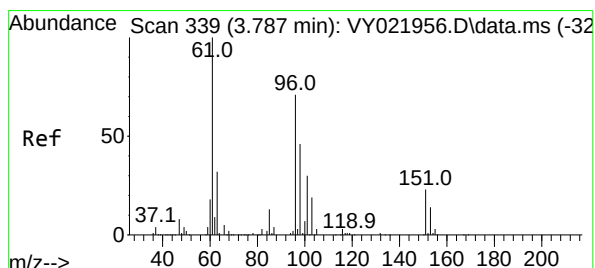
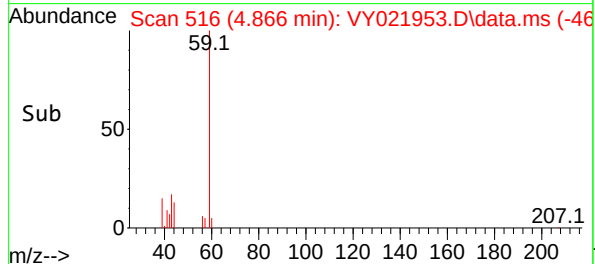
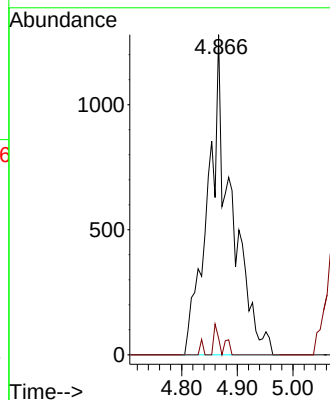
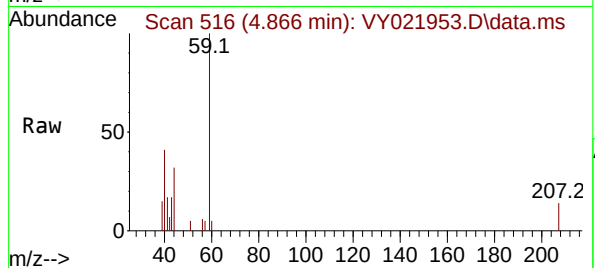
#11
Tert butyl alcohol
Concen: 26.192 ug/l m
RT: 4.866 min Scan# 518
Delta R.T. -0.012 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 372
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9

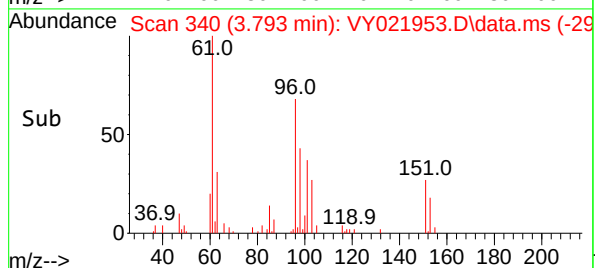
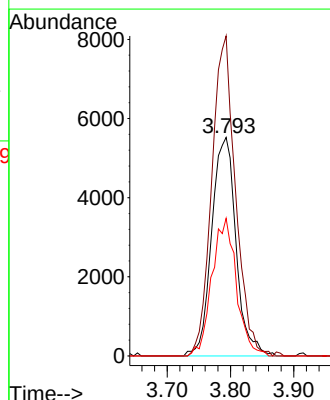
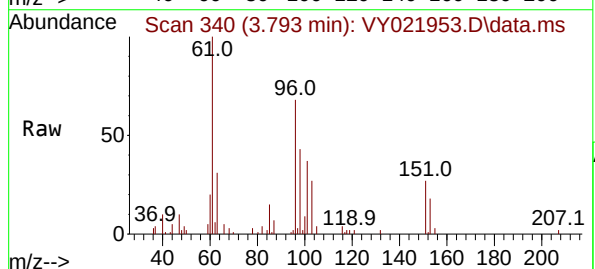
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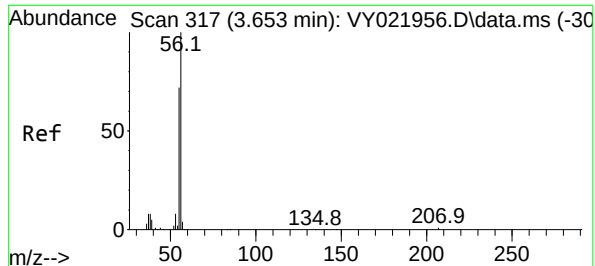
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#12
1,1-Dichloroethene
Concen: 5.285 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 96 Resp: 14742
Ion Ratio Lower Upper
96 100
61 146.4 113.0 169.4
98 63.0 51.4 77.2





#13

Acrolein

Concen: 29.049 ug/l

RT: 3.659 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 7419

Ion Ratio Lower Upper

56 100

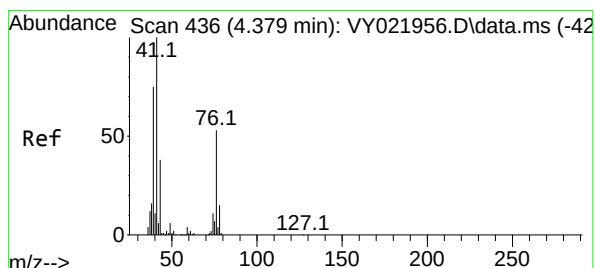
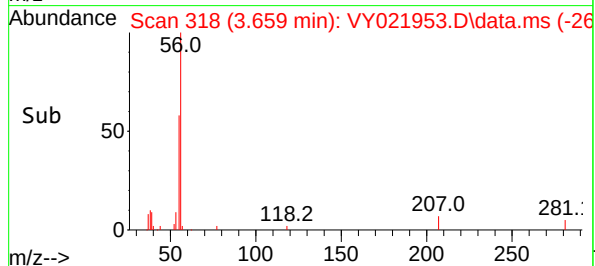
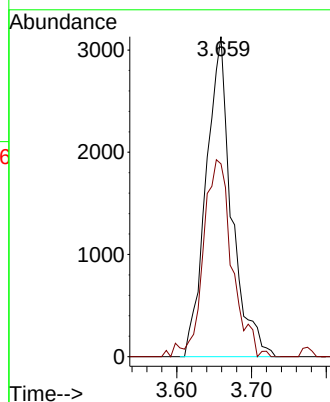
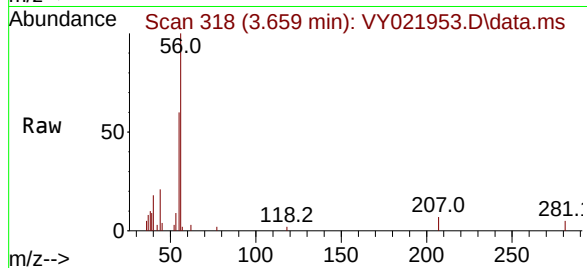
55 69.4 57.4 86.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 5.352 ug/l

RT: 4.372 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

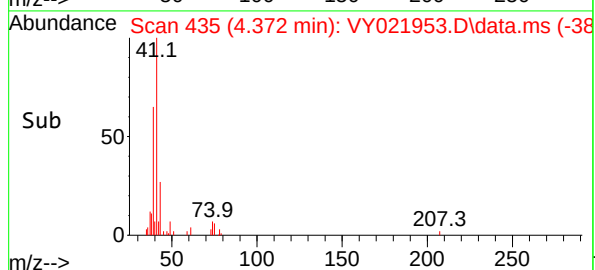
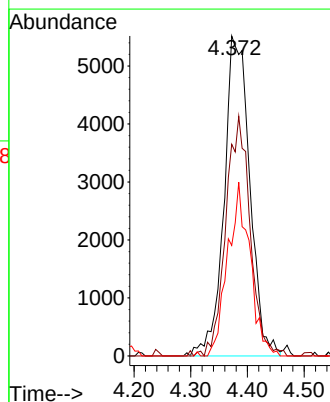
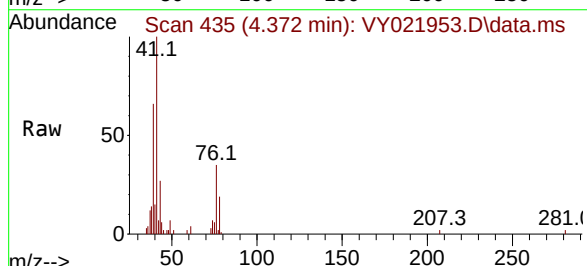
Tgt Ion: 41 Resp: 17385

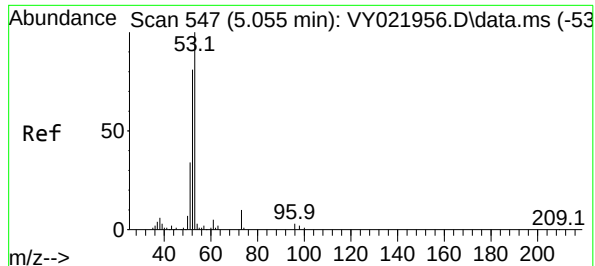
Ion Ratio Lower Upper

41 100

39 71.1 57.2 85.8

76 46.9 39.7 59.5





#15

Acrylonitrile

Concen: 27.514 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

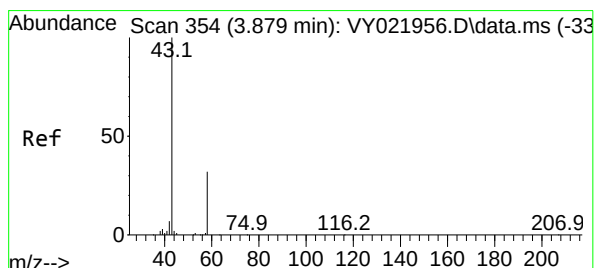
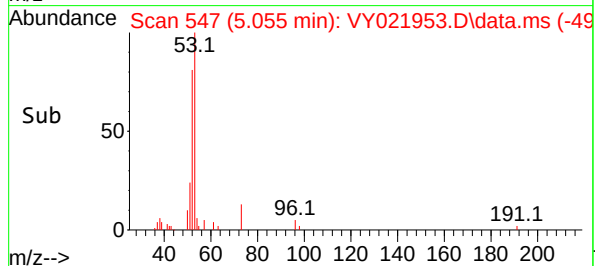
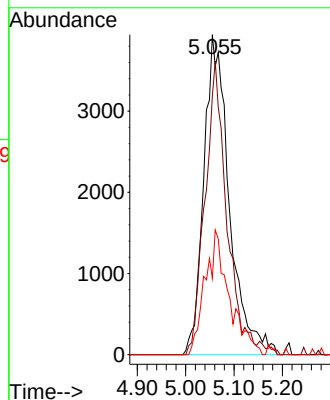
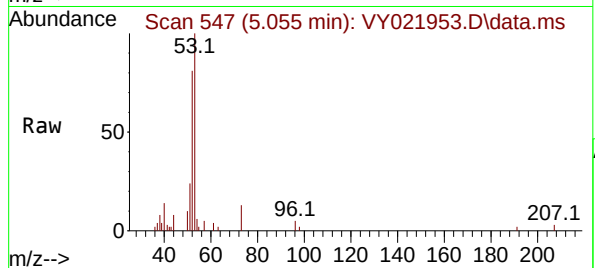
ClientSampleId :

VSTDICC005

Tgt Ion:	53	Resp:	1446
Ion	Ratio	Lower	Upper
53	100		
52	77.8	65.0	97.6
51	36.6	28.9	43.3

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 18.039 ug/l

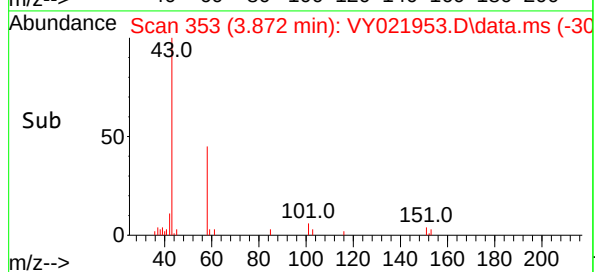
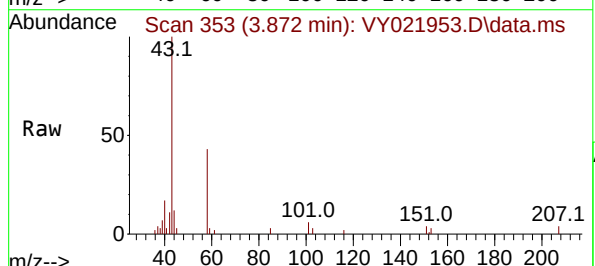
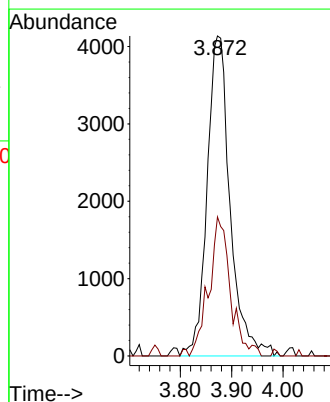
RT: 3.872 min Scan# 353

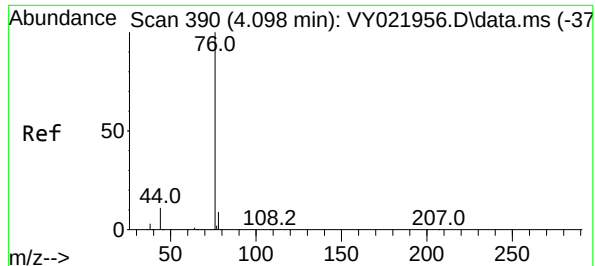
Delta R.T. -0.007 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	43	Resp:	12844
Ion	Ratio	Lower	Upper
43	100		
58	43.5	27.0	40.4





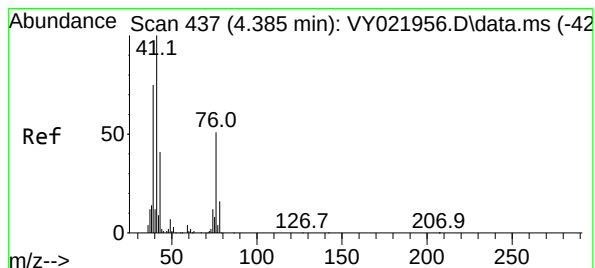
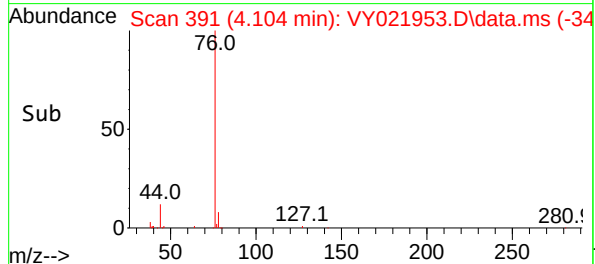
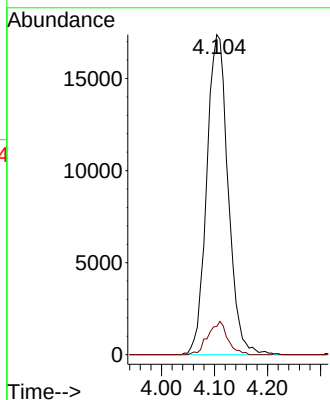
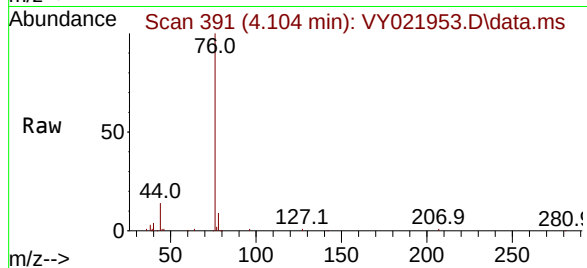
#17
Carbon Disulfide
Concen: 5.475 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 4870
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

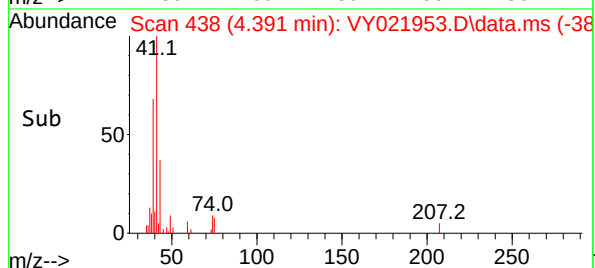
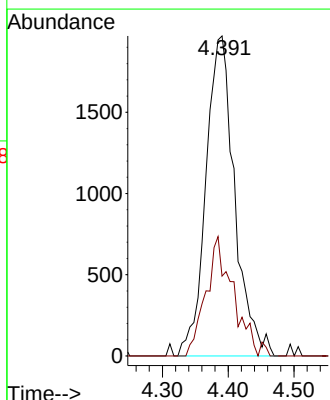
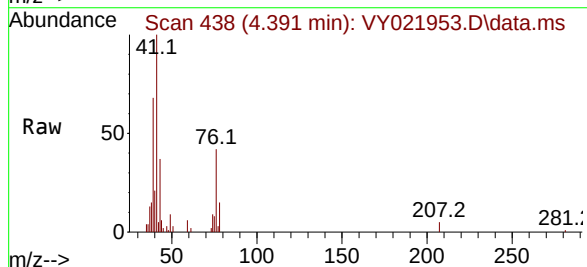
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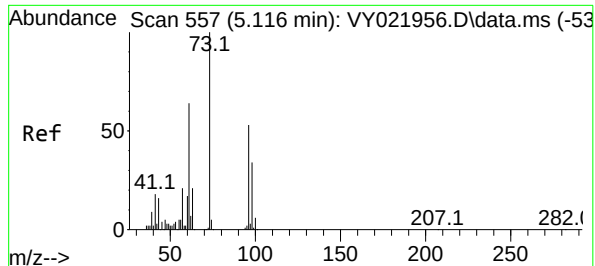
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 4.951 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 5994
Ion Ratio Lower Upper
43 100
74 34.8 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 4.936 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 30819

Ion Ratio Lower Upper

73 100

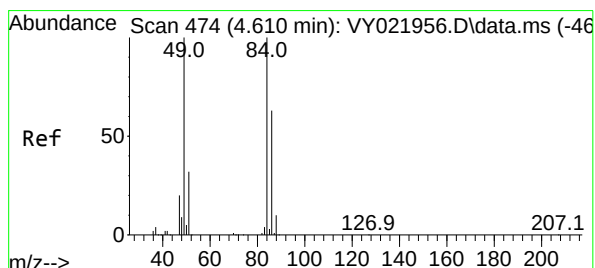
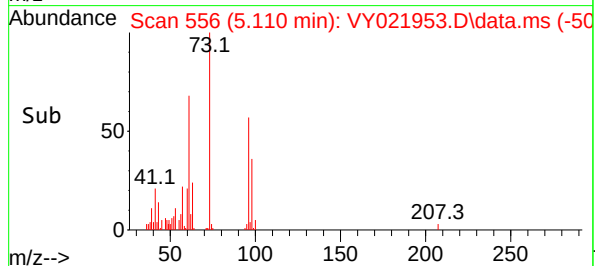
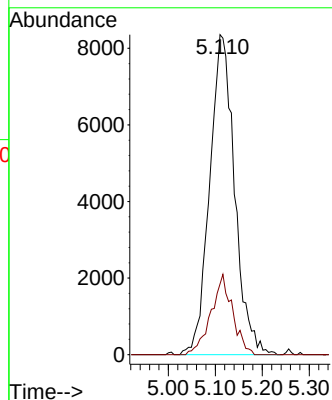
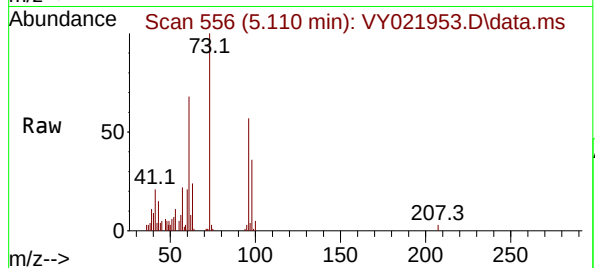
57 22.1 16.9 25.3

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 6.502 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion: 84 Resp: 21309

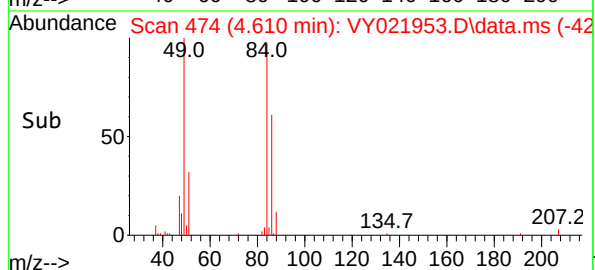
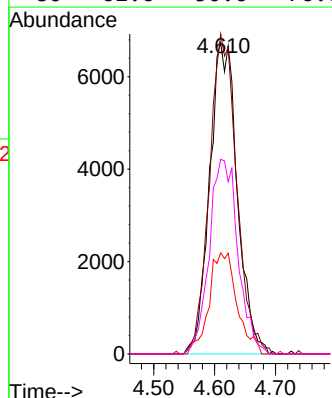
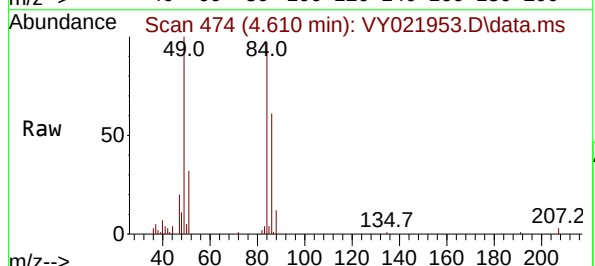
Ion Ratio Lower Upper

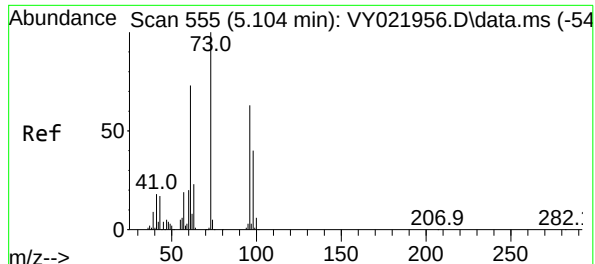
84 100

49 102.8 79.9 119.9

51 32.5 25.4 38.0

86 62.6 50.6 76.0





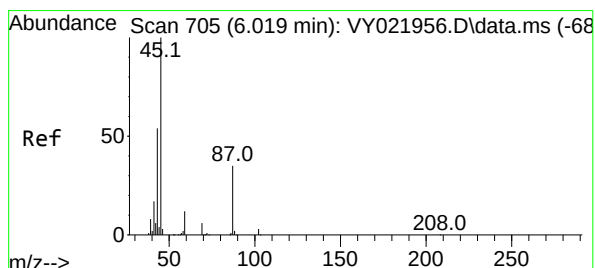
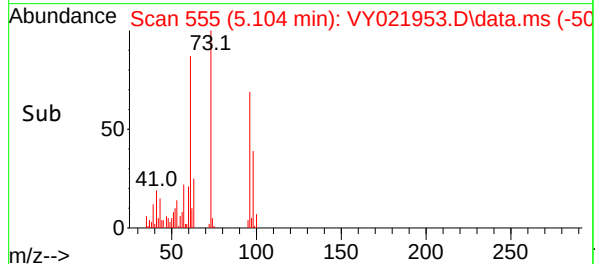
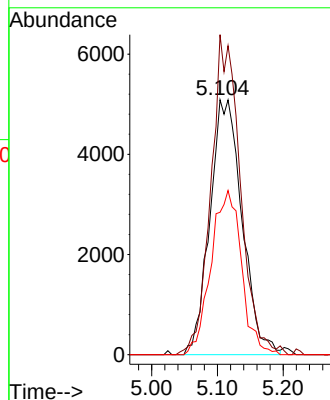
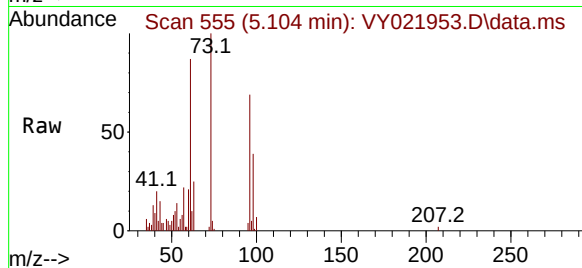
#21
trans-1,2-Dichloroethene
Concen: 5.556 ug/l
RT: 5.104 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 1735
Ion Ratio Lower Upper
96 100
61 124.5 92.6 138.8
98 55.8 50.2 75.4

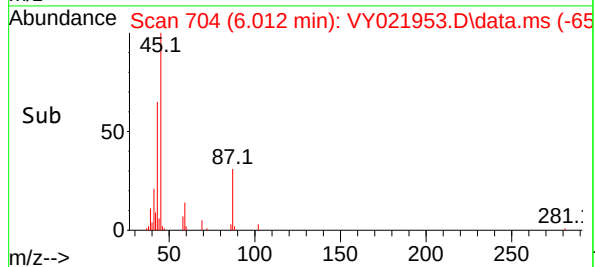
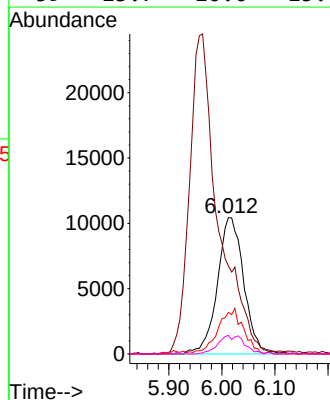
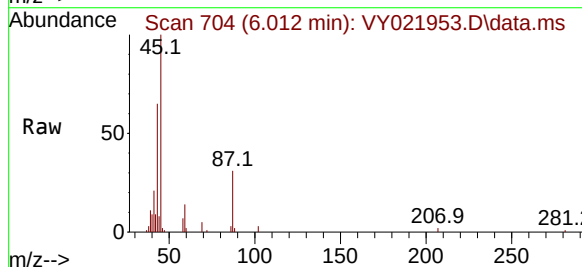
Manual Integrations
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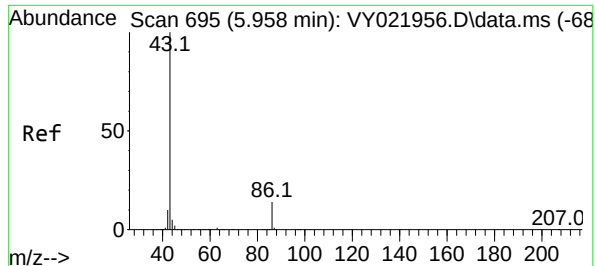
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22
Diisopropyl ether
Concen: 4.975 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 45 Resp: 35963
Ion Ratio Lower Upper
45 100
43 62.5 43.6 65.4
87 30.5 28.2 42.4
59 13.7 10.0 15.0





#23

Vinyl Acetate

Concen: 23.655 ug/l

RT: 5.963 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 9215

Ion Ratio Lower Upper

43 100

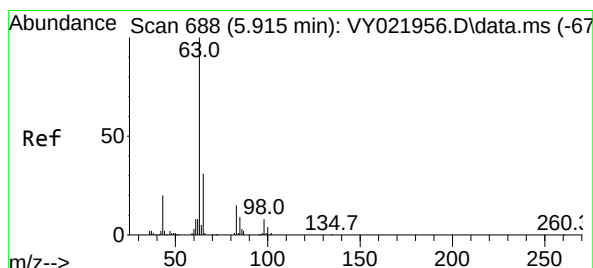
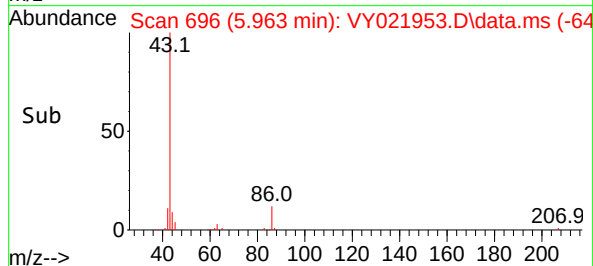
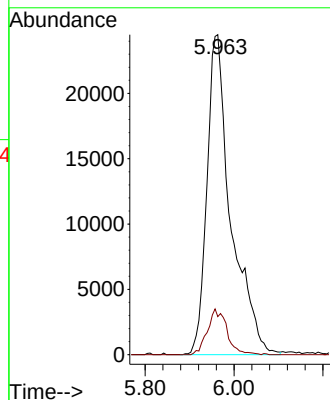
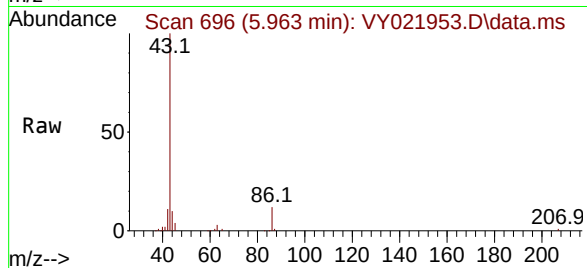
86 11.9 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 5.529 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

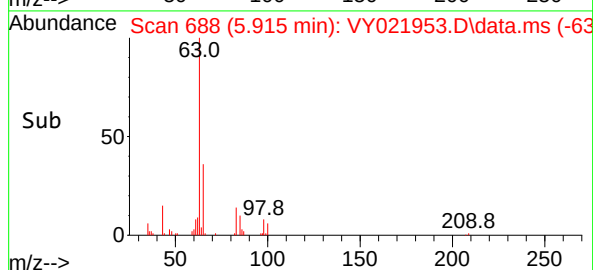
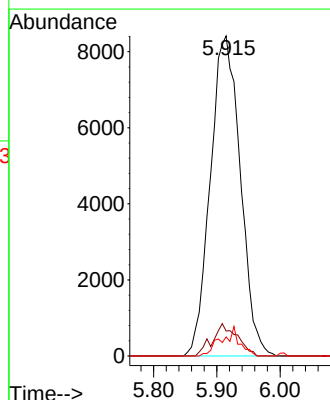
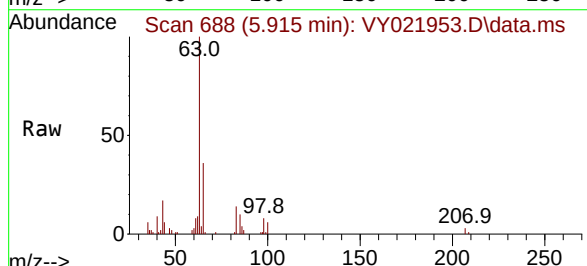
Tgt Ion: 63 Resp: 27705

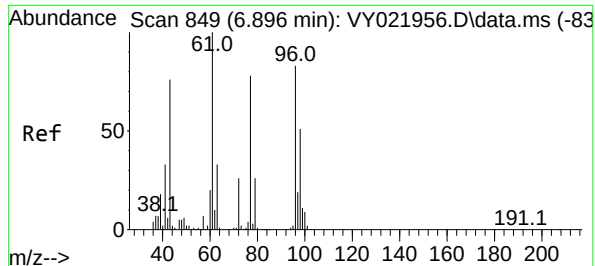
Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

100 5.9 2.0 6.0





#25

2-Butanone

Concen: 26.449 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1562

Ion Ratio Lower Upper

43 100

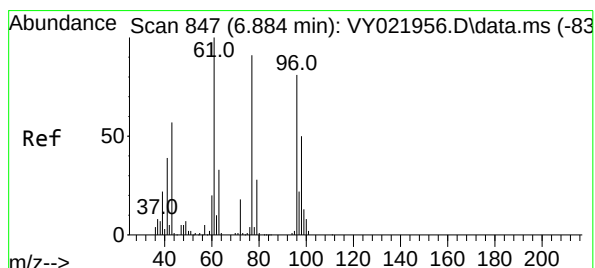
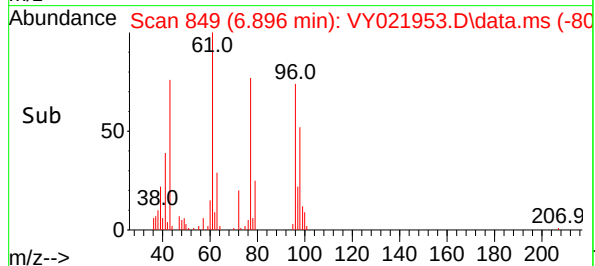
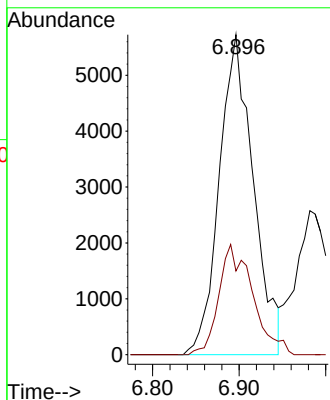
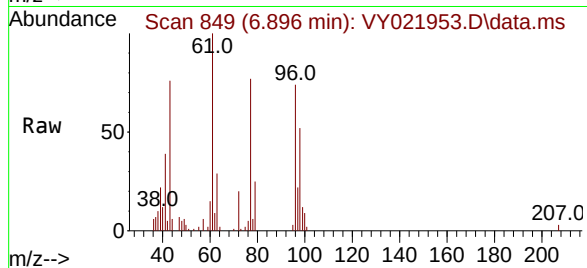
72 26.2 27.0 40.4

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 5.373 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021953.D

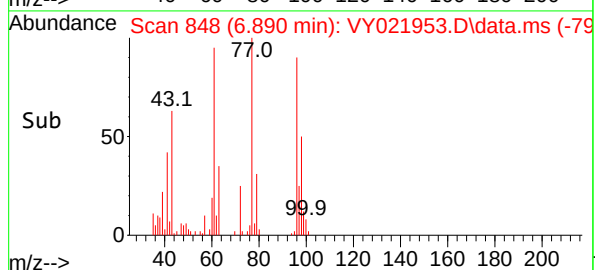
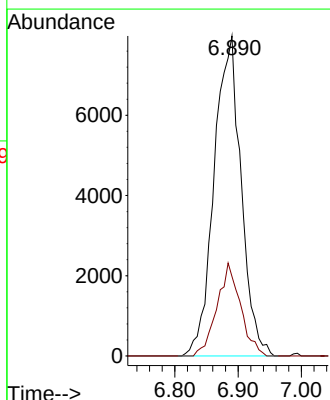
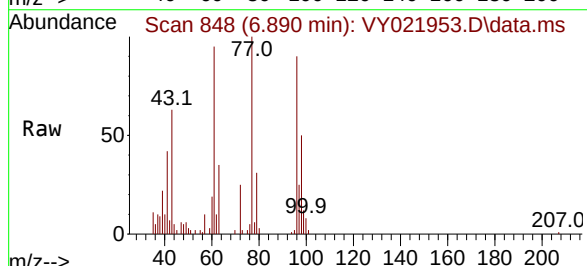
Acq: 22 Apr 2025 13:39

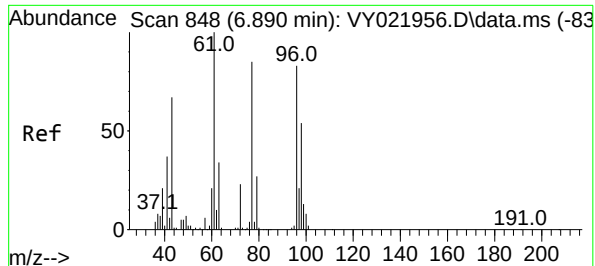
Tgt Ion: 77 Resp: 23594

Ion Ratio Lower Upper

77 100

97 25.3 12.4 37.4





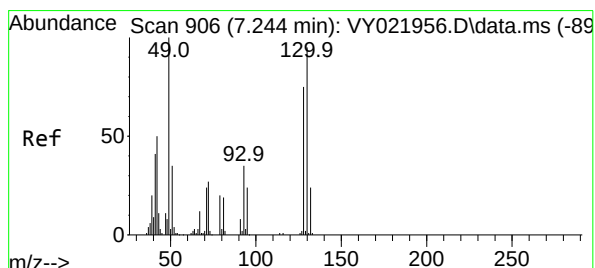
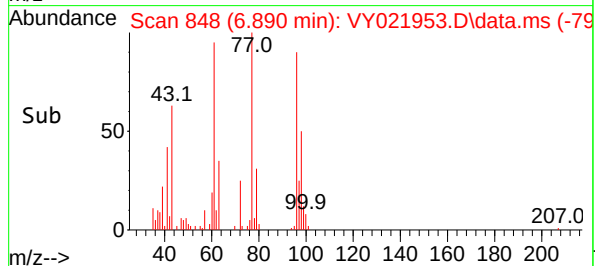
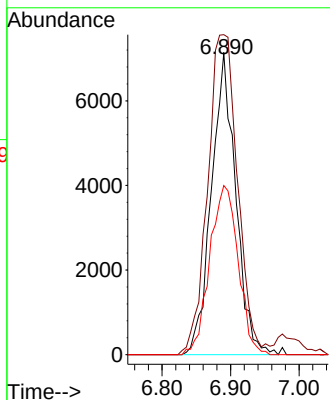
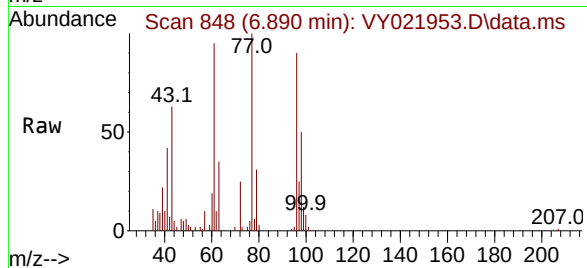
#27
cis-1,2-Dichloroethene
Concen: 5.029 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 17569
Ion Ratio Lower Upper
96 100
61 131.1 0.0 251.4
98 65.6 0.0 128.4

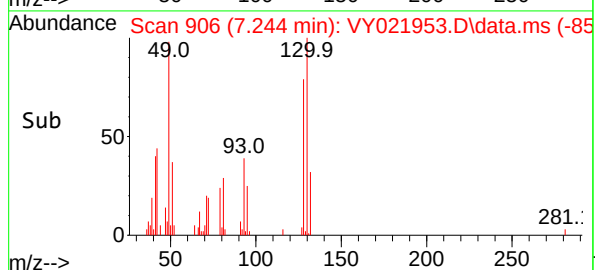
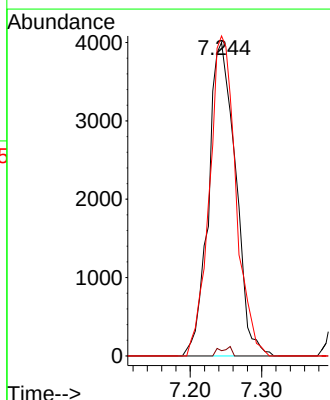
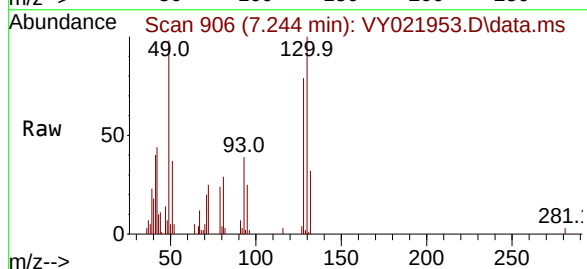
Manual Integrations
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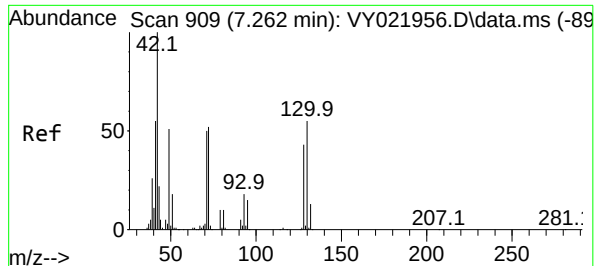
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28
Bromochloromethane
Concen: 5.416 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 49 Resp: 10541
Ion Ratio Lower Upper
49 100
129 1.3 0.0 5.0
130 99.5 78.2 117.4





#29

Tetrahydrofuran

Concen: 24.559 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

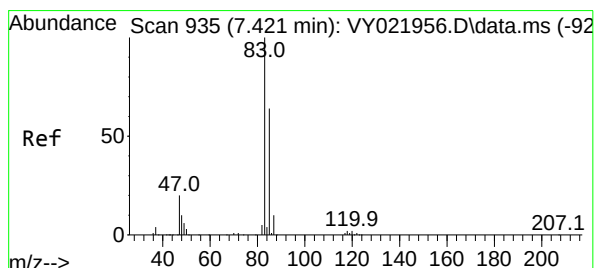
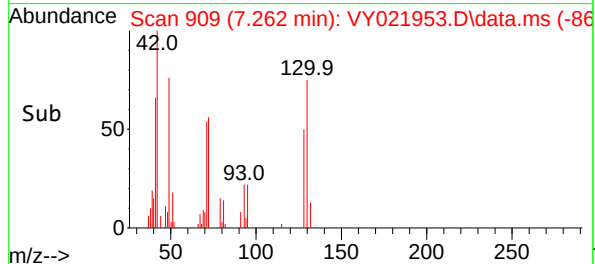
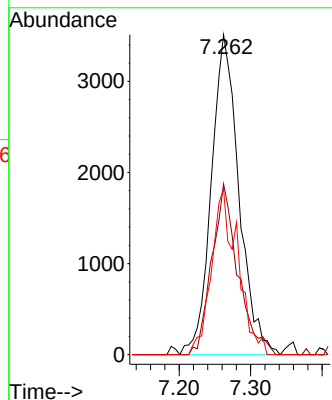
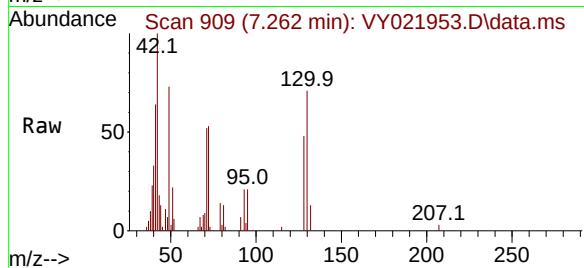
ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	9424
Ion	Ratio	Lower	Upper
42	100		
72	50.4	42.6	63.8
71	49.4	40.6	61.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 5.473 ug/l

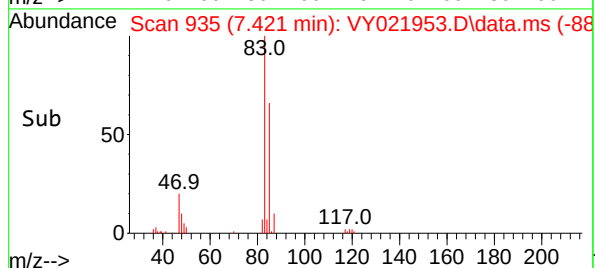
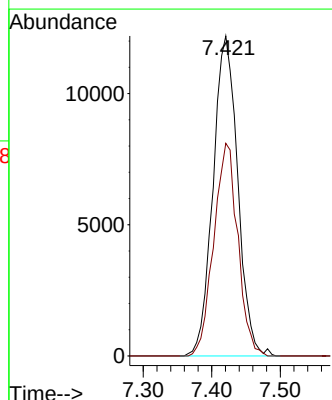
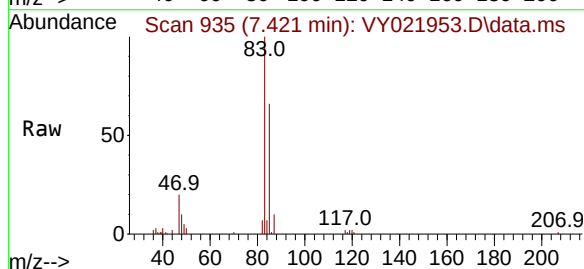
RT: 7.421 min Scan# 935

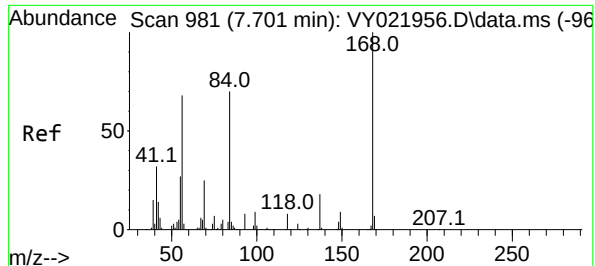
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

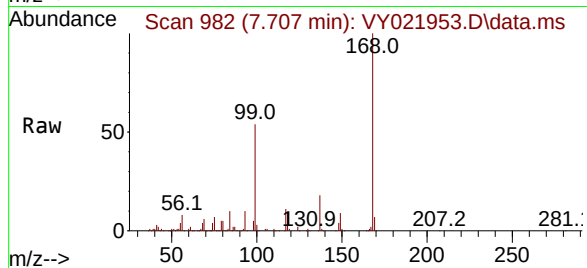
Tgt Ion:	83	Resp:	30418
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9





#31
Cyclohexane
Concen: 5.472 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

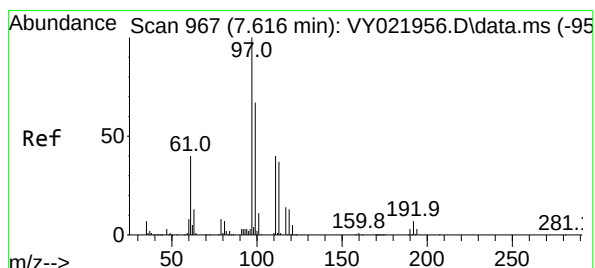
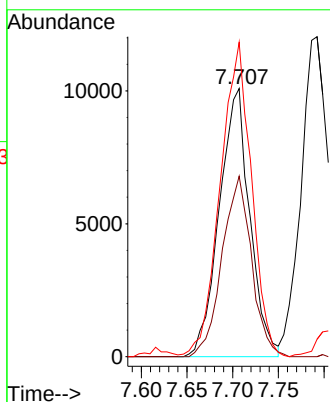
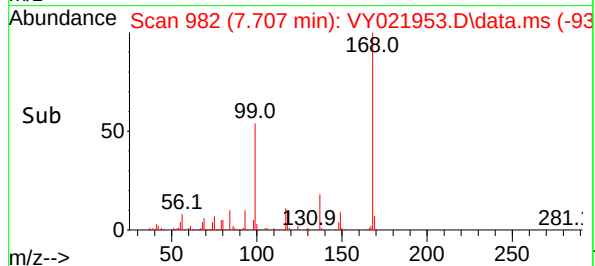
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 23440
Ion Ratio Lower Upper
56 100
69 67.3 29.4 44.2
84 116.5 82.2 123.4

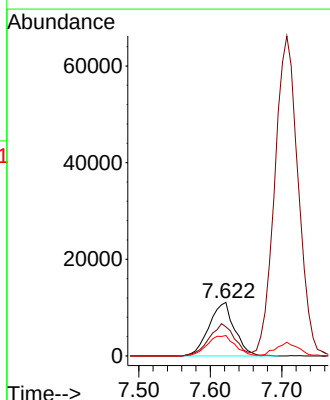
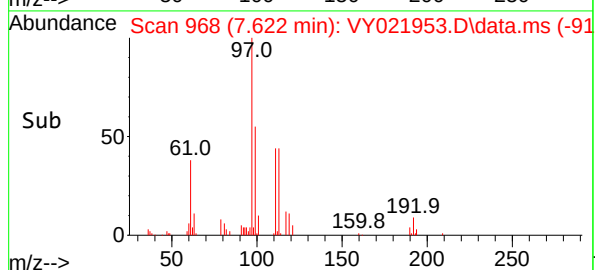
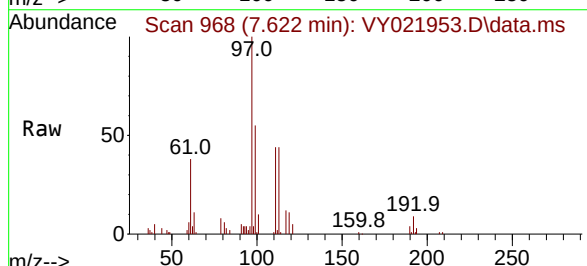
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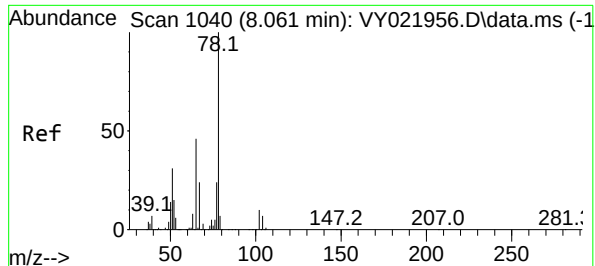
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#32
1,1,1-Trichloroethane
Concen: 5.424 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 97 Resp: 27271
Ion Ratio Lower Upper
97 100
99 61.0 51.4 77.2
61 41.6 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 5.679 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 14719

Ion Ratio Lower Upper

65 100

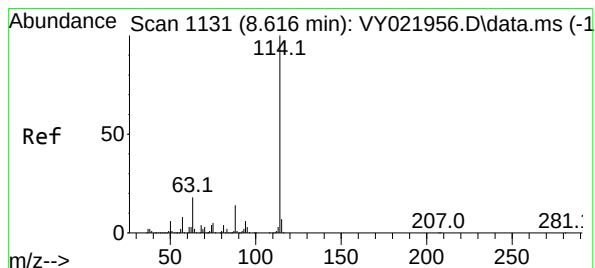
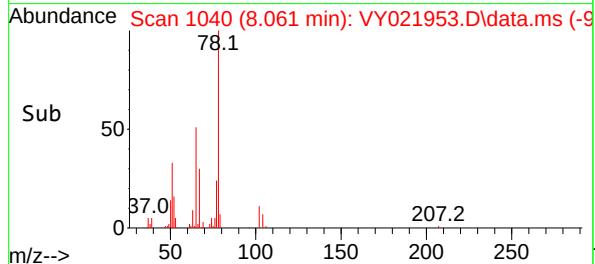
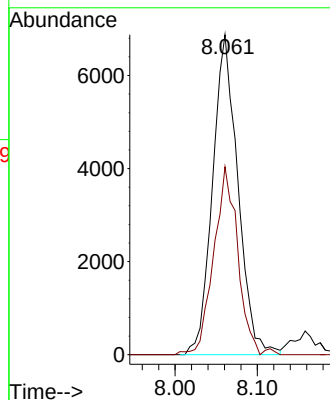
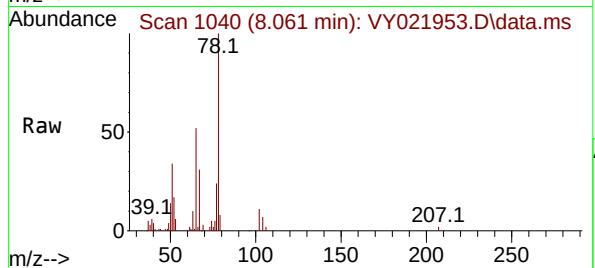
67 55.5 0.0 105.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

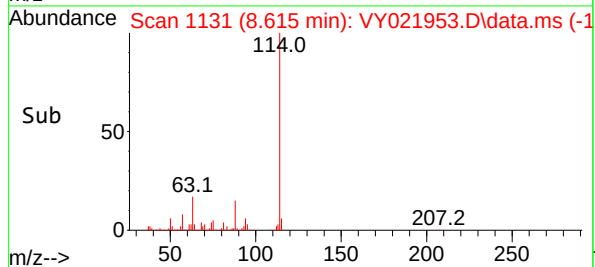
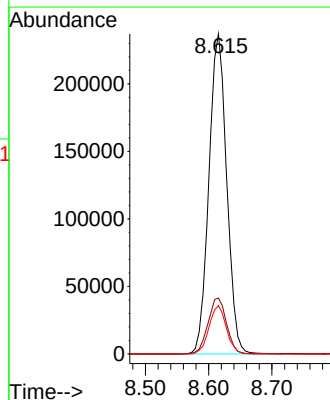
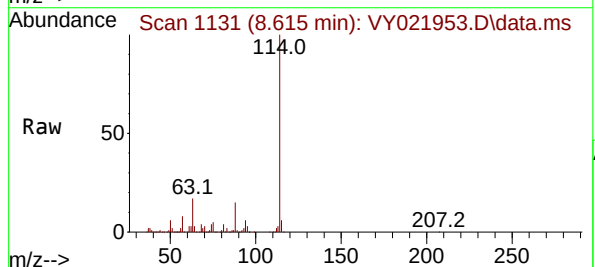
Tgt Ion:114 Resp: 462995

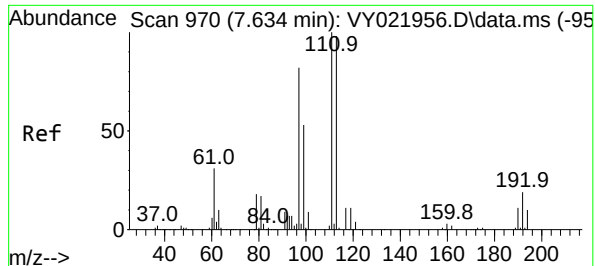
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 15.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 5.073 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

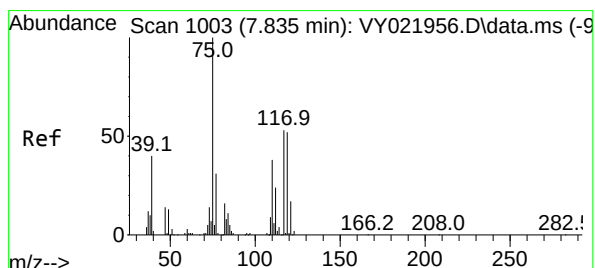
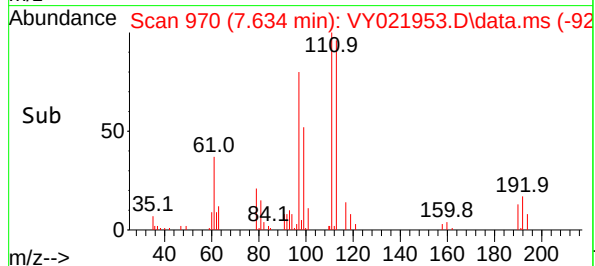
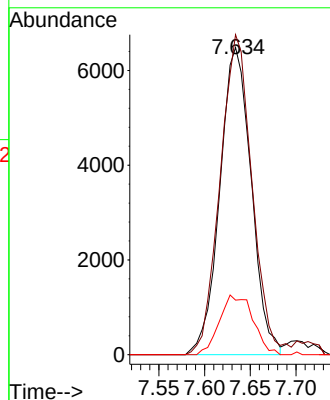
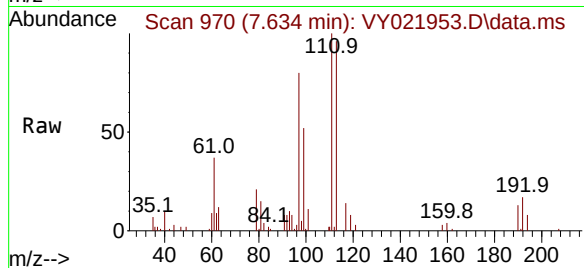
ClientSampleId :

VSTDICC005

Tgt Ion:	113	Resp:	1551
Ion	Ratio	Lower	Upper
113	100		
111	105.8	81.8	122.8
192	20.6	15.6	23.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 5.130 ug/l

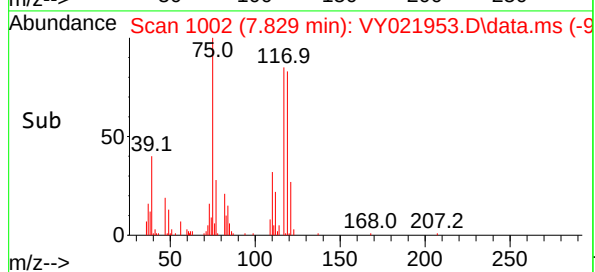
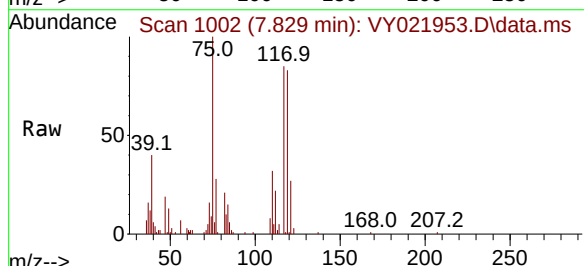
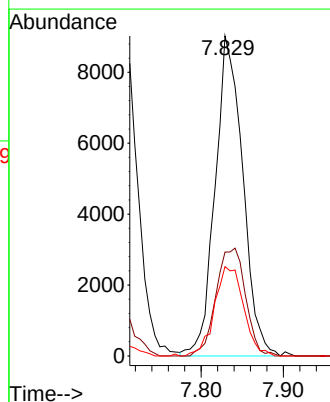
RT: 7.829 min Scan# 1002

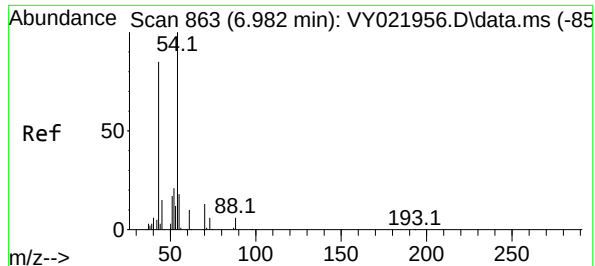
Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	75	Resp:	21076
Ion	Ratio	Lower	Upper
75	100		
110	36.0	19.1	57.3
77	29.4	25.5	38.3





#37

Ethyl Acetate

Concen: 5.283 ug/l m

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

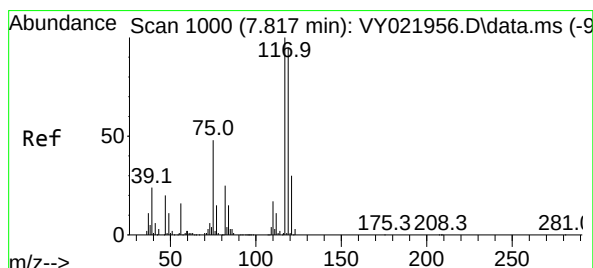
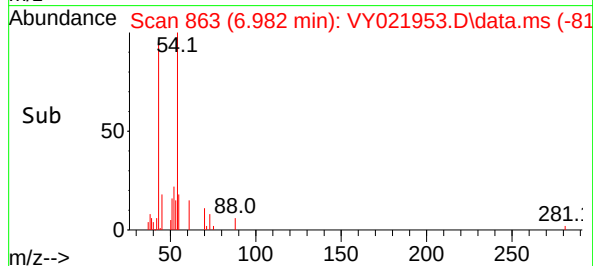
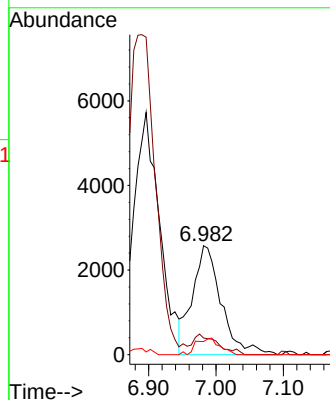
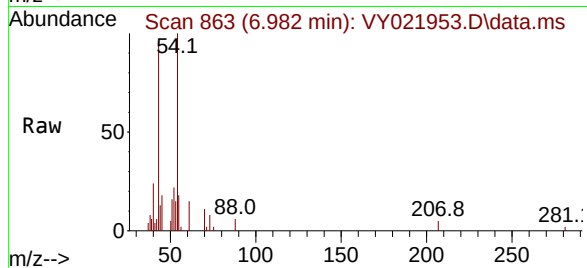
VSTDIC005

Tgt Ion:	43	Resp:	769
Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.6
70	12.3	9.2	13.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 5.095 ug/l

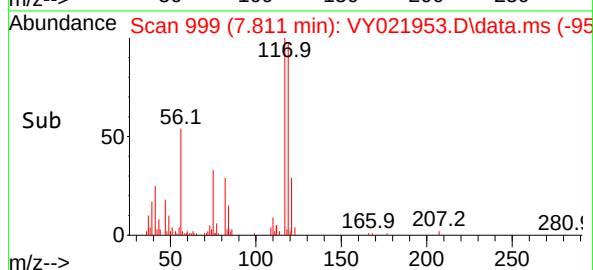
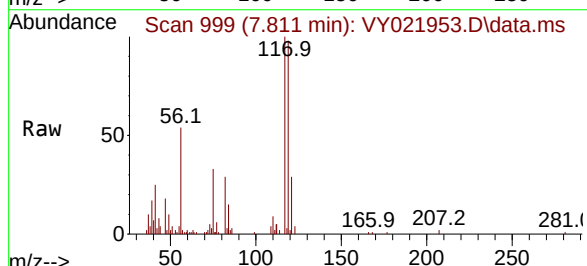
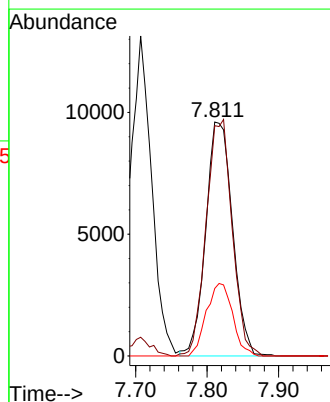
RT: 7.811 min Scan# 999

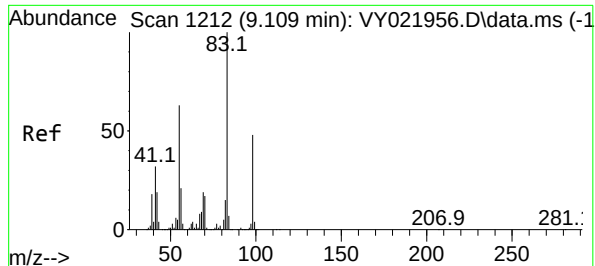
Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	117	Resp:	25016
Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.4
121	28.9	24.0	36.0





#39

Methylcyclohexane

Concen: 4.700 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

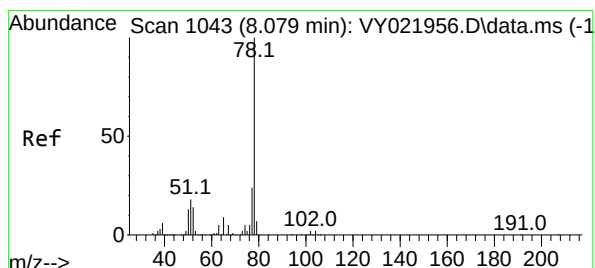
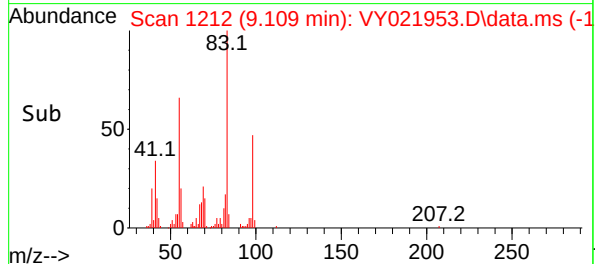
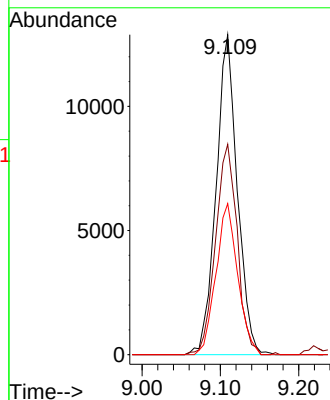
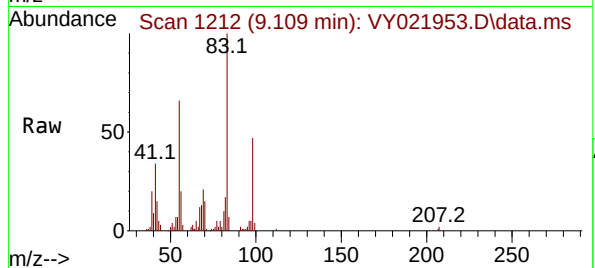
VSTDIC005

Tgt Ion:	83	Resp:	2430
Ion	Ratio	Lower	Upper
83	100		
55	65.8	50.6	75.8
98	47.2	38.6	58.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 5.129 ug/l

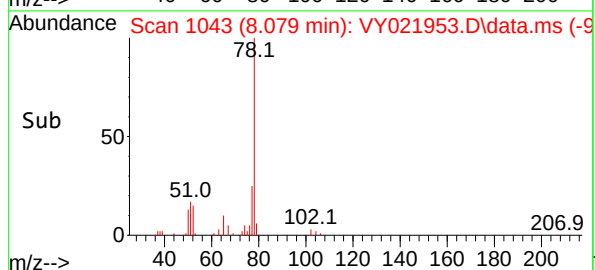
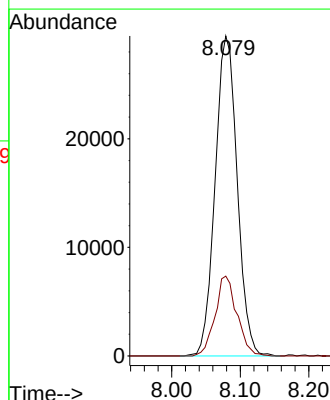
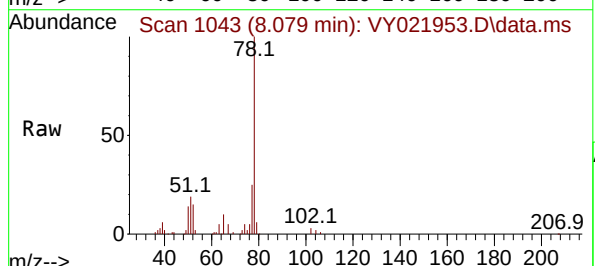
RT: 8.079 min Scan# 1043

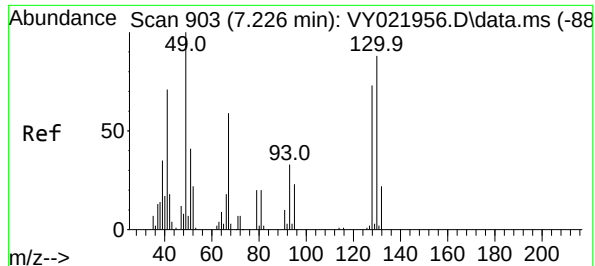
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	78	Resp:	65878
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





#41

Methacrylonitrile

Concen: 4.345 ug/l m

RT: 7.232 min Scan# 903

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

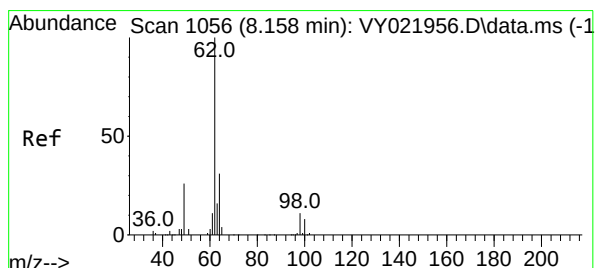
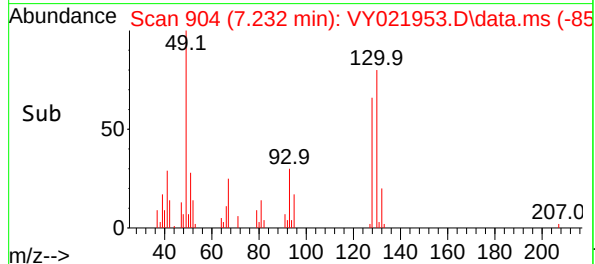
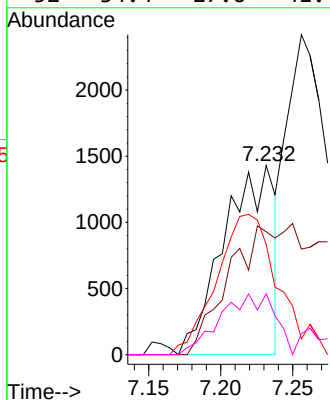
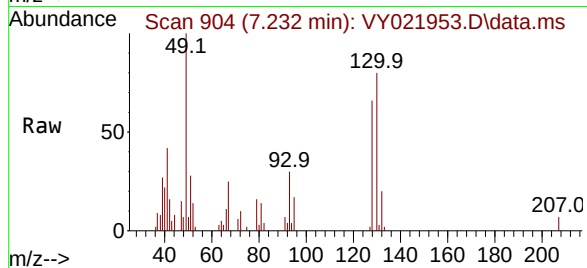
VSTDIC005

Tgt Ion:	41	Resp:	3500
Ion	Ratio	Lower	Upper
41	100		
39	63.9	36.6	55.0
67	89.8	72.2	108.4
52	34.4	27.6	41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42

1,2-Dichloroethane

Concen: 5.046 ug/l

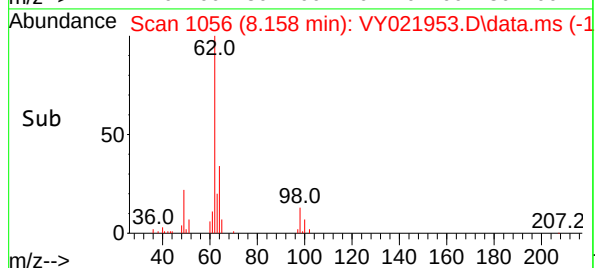
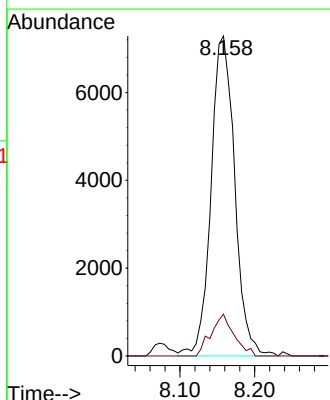
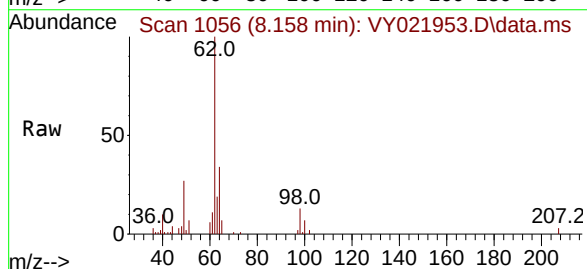
RT: 8.158 min Scan# 1056

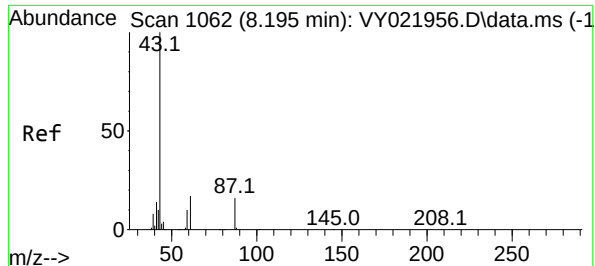
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	62	Resp:	16046
Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	22.0





#43

Isopropyl Acetate

Concen: 4.919 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

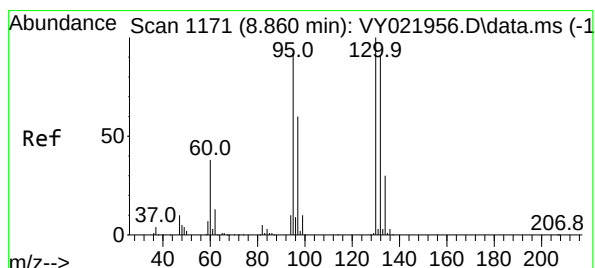
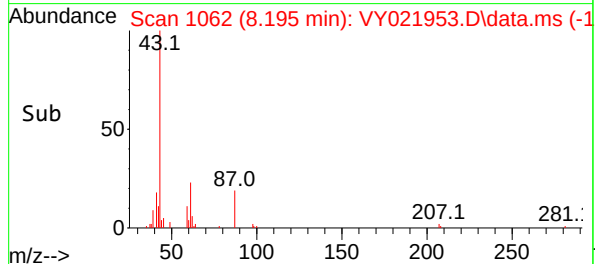
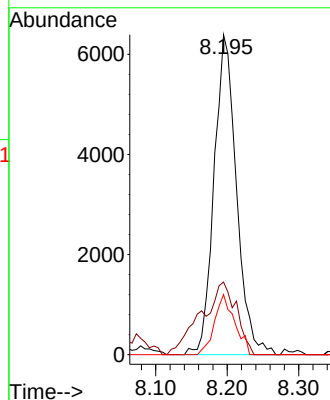
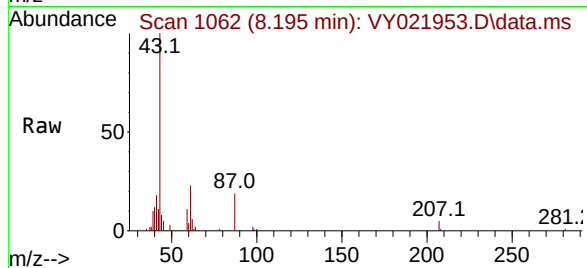
VSTDIC005

Tgt Ion: 43	Resp: 13940
Ion Ratio	Lower Upper
43	100
61	35.6 18.9 28.3
87	16.8 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 5.231 ug/l

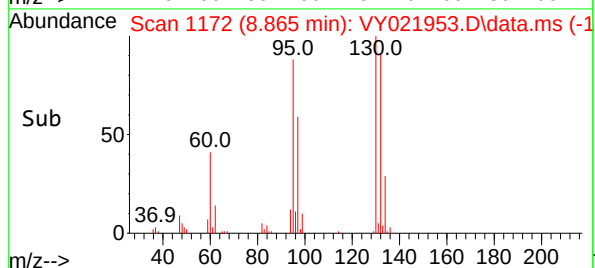
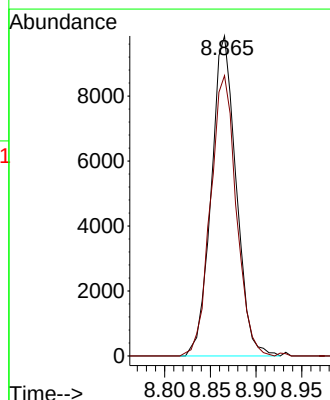
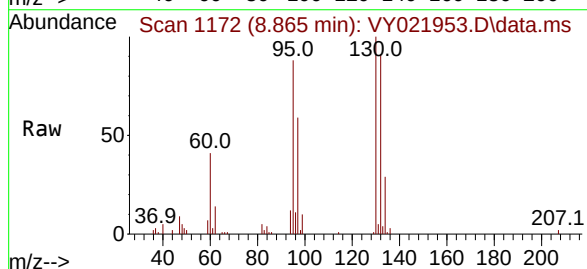
RT: 8.865 min Scan# 1172

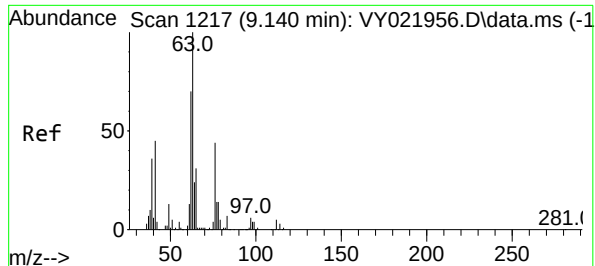
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:130	Resp: 18611
Ion Ratio	Lower Upper
130	100
95	87.6 0.0 183.2





#45

1,2-Dichloropropane

Concen: 5.220 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1482

Ion Ratio Lower Upper

63 100

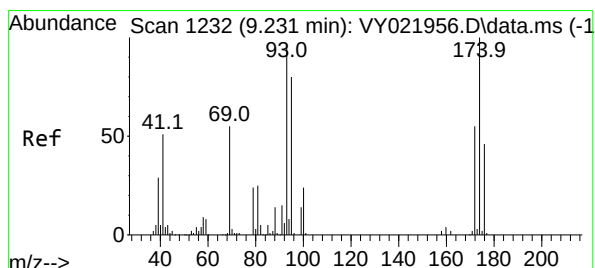
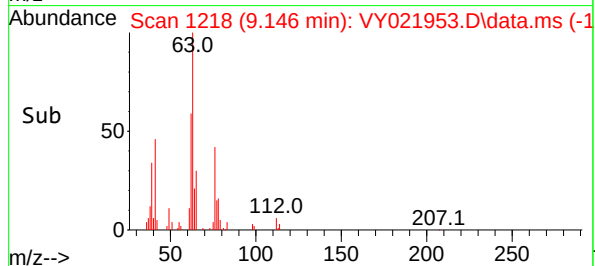
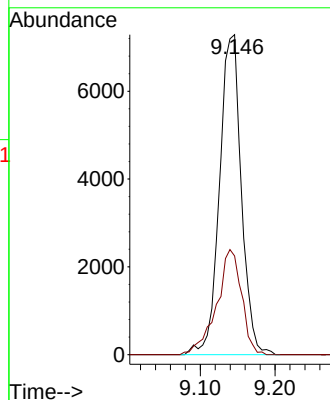
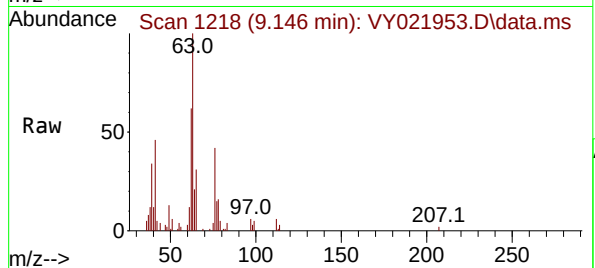
65 30.8 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 5.268 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

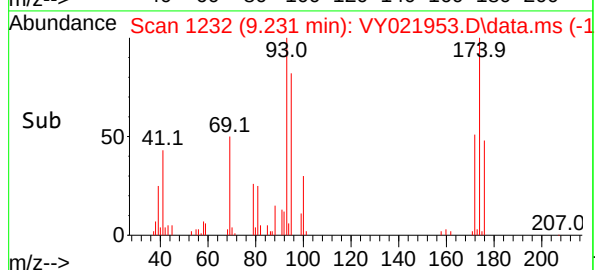
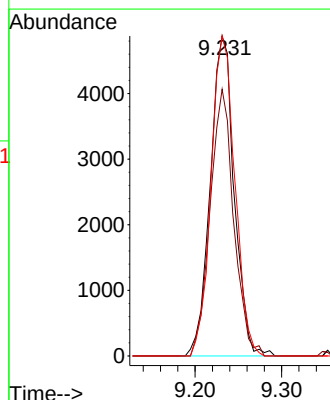
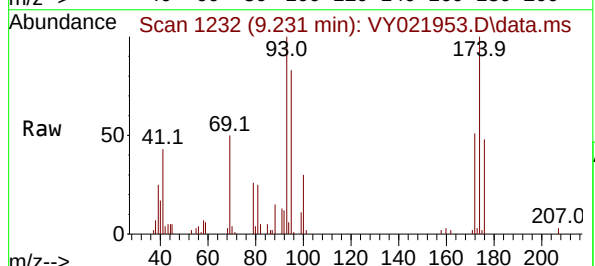
Tgt Ion: 93 Resp: 9367

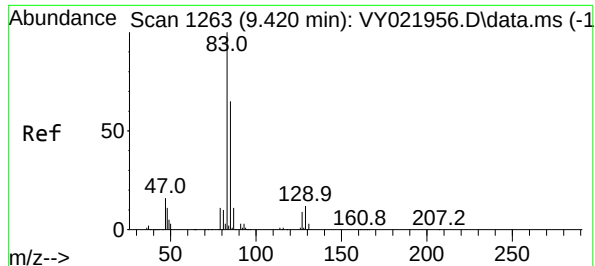
Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

174 99.2 84.6 127.0





#47

Bromodichloromethane

Concen: 4.991 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

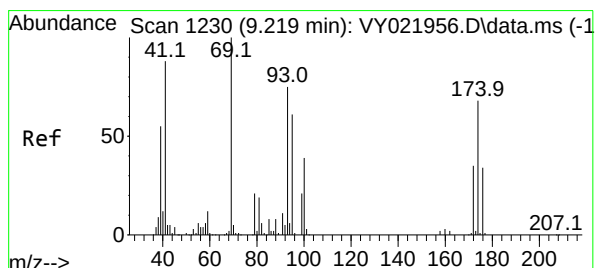
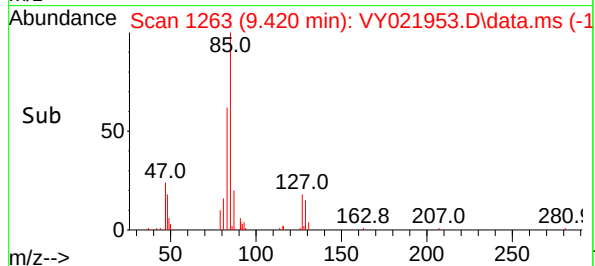
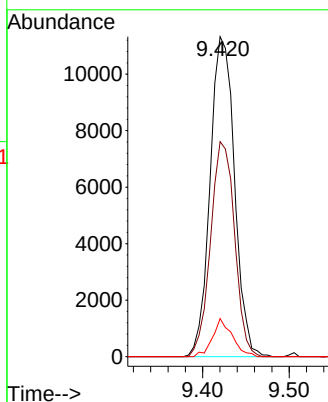
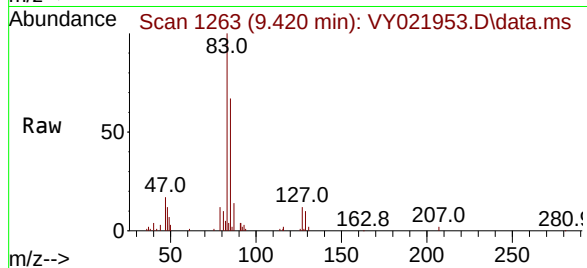
VSTDIC005

Tgt Ion:	83	Resp:	22170
Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.8	77.8
127	11.9	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 4.252 ug/l

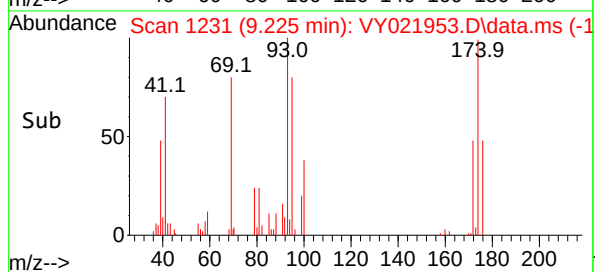
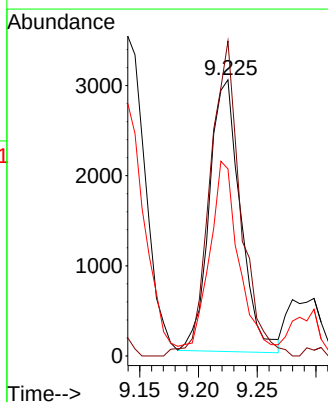
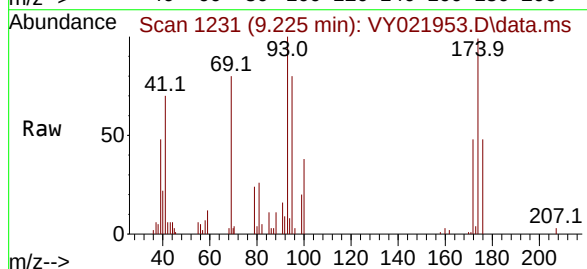
RT: 9.225 min Scan# 1231

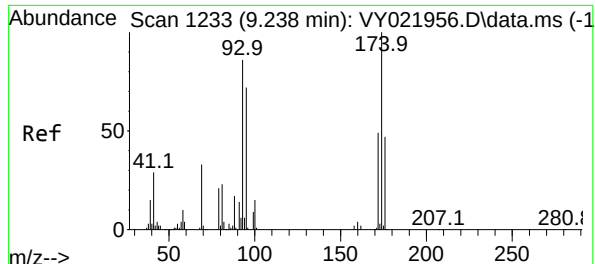
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	41	Resp:	5570
Ion	Ratio	Lower	Upper
41	100		
69	113.8	85.5	128.3
39	61.6	46.2	69.4





#49

1,4-Dioxane

Concen: 89.863 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

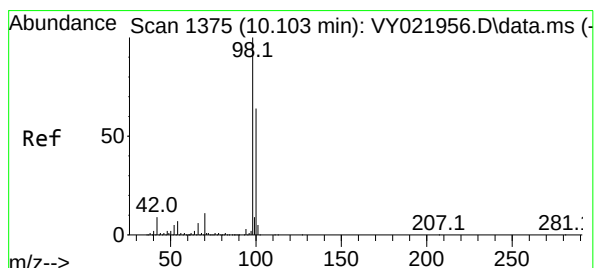
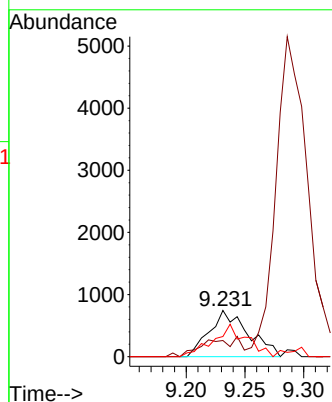
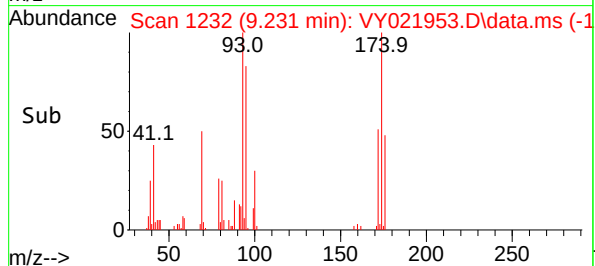
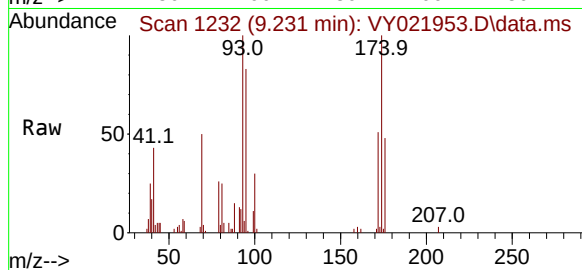
VSTDIC005

Tgt Ion:	88	Resp:	170
Ion	Ratio	Lower	Upper
88	100		
43	38.6	21.3	31.9
58	60.0	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 4.900 ug/l

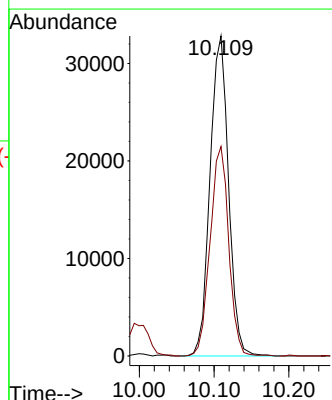
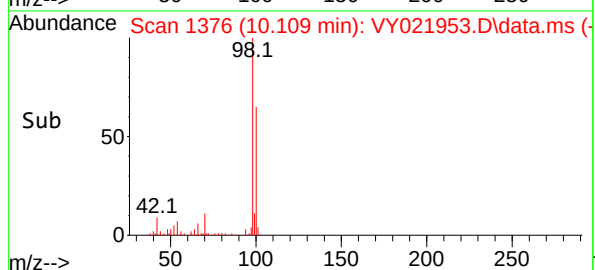
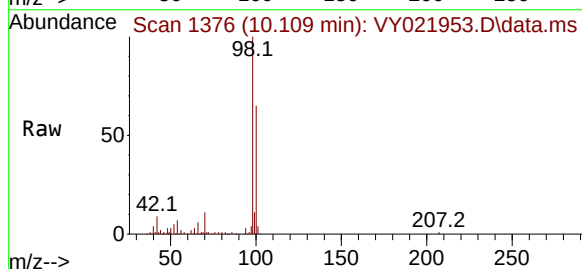
RT: 10.109 min Scan# 1376

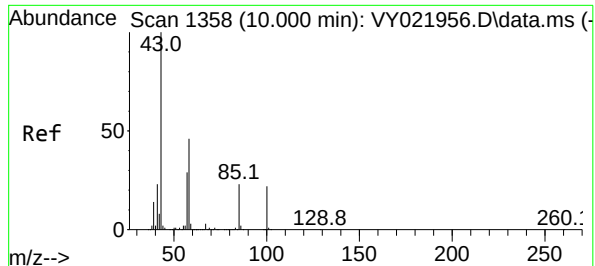
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	98	Resp:	56501
Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4





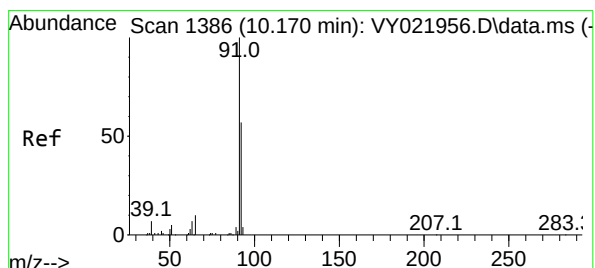
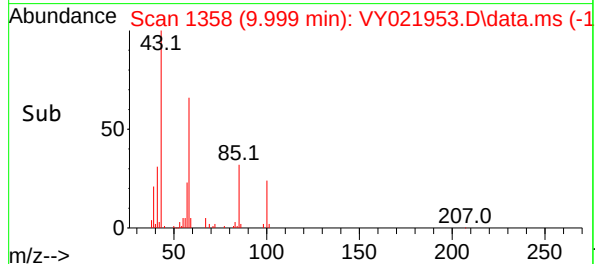
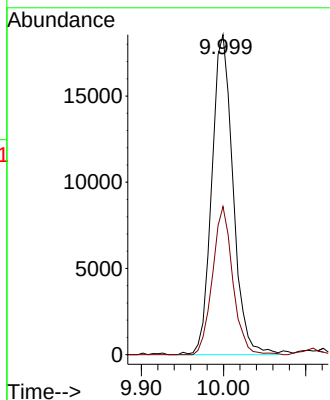
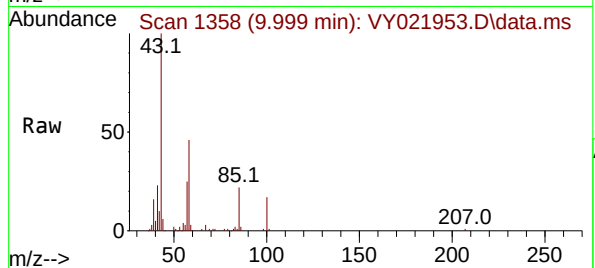
#51
4-Methyl-2-Pentanone
Concen: 22.414 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 33298
Ion Ratio Lower Upper
43 100
58 44.2 36.6 55.0

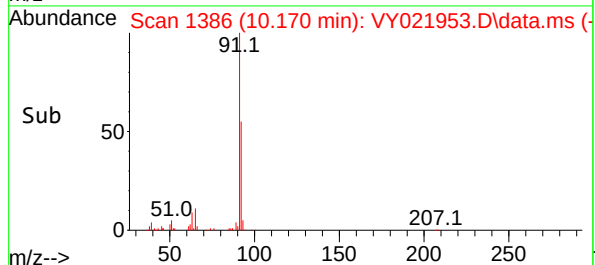
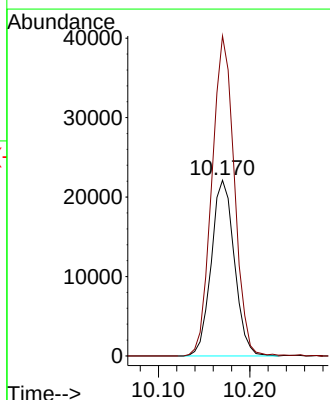
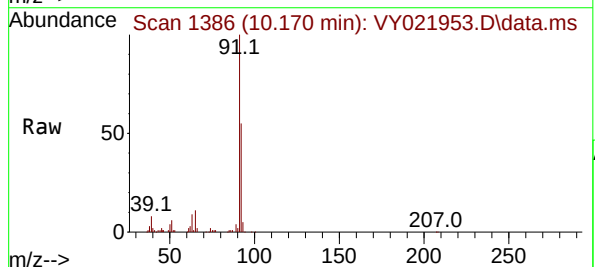
Manual Integrations
APPROVED

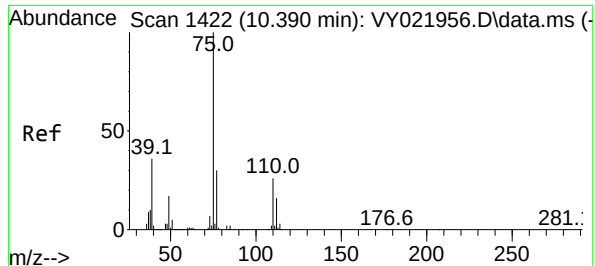
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 4.665 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 92 Resp: 38784
Ion Ratio Lower Upper
92 100
91 177.9 138.6 207.8





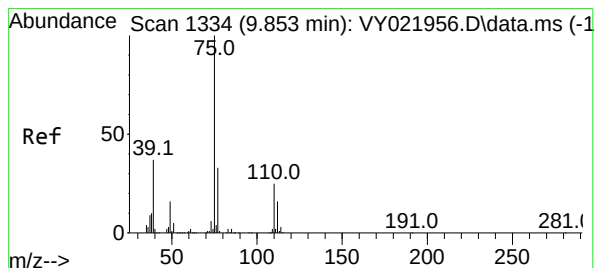
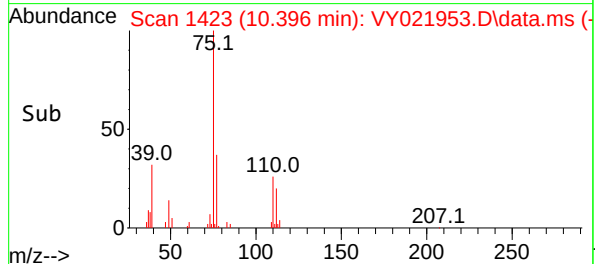
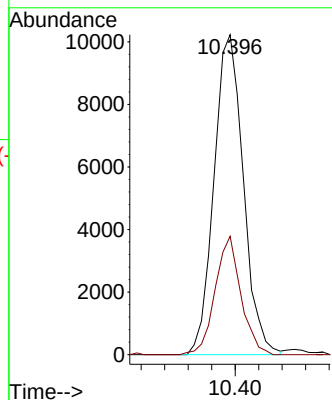
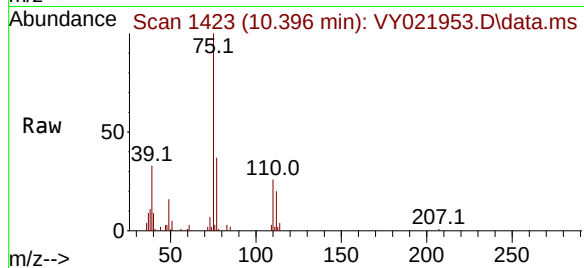
#53
t-1,3-Dichloropropene
Concen: 4.649 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 17712
Ion Ratio Lower Upper
75 100
77 37.0 24.0 36.0

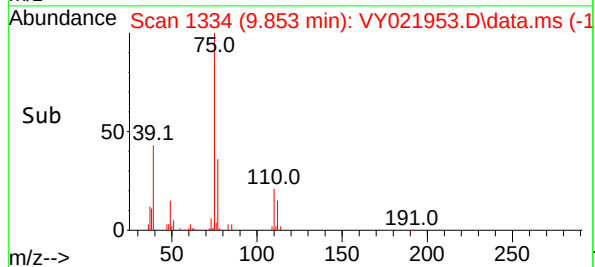
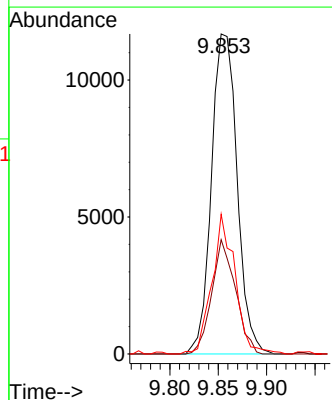
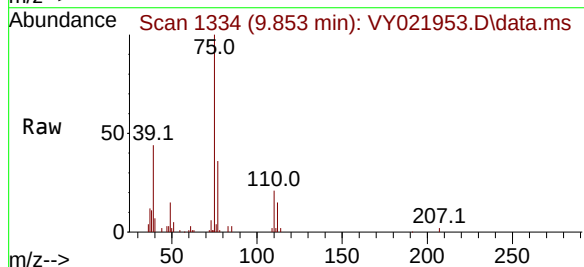
Manual Integrations
APPROVED

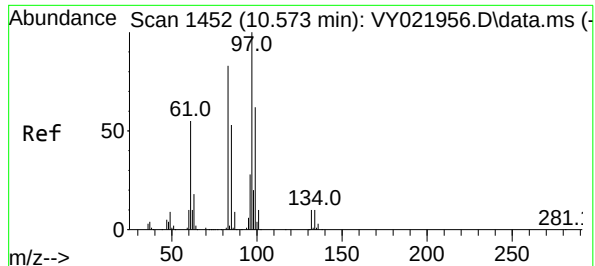
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 4.765 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

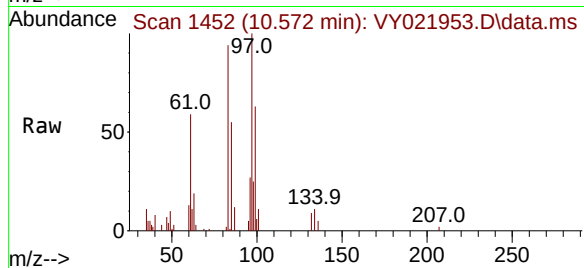
Tgt Ion: 75 Resp: 21582
Ion Ratio Lower Upper
75 100
77 35.7 26.6 40.0
39 43.6 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 4.877 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

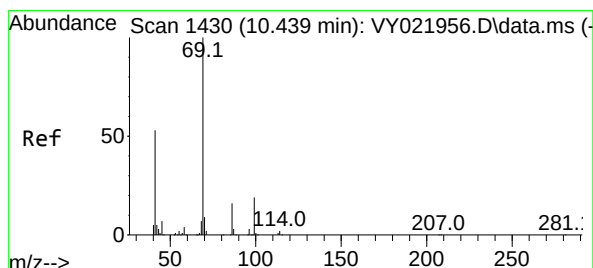
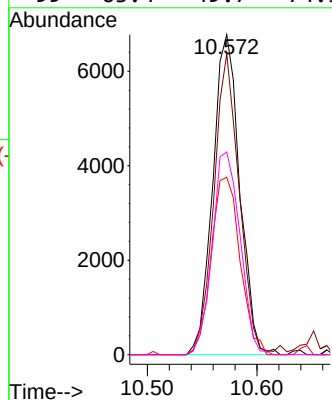
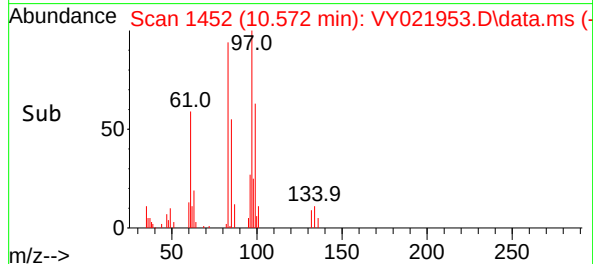
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 97 Resp: 1158
Ion Ratio Lower Upper
97 100
83 94.0 66.7 100.1
85 55.5 42.6 64.0
99 63.4 49.7 74.5

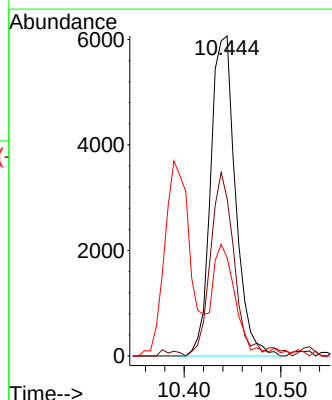
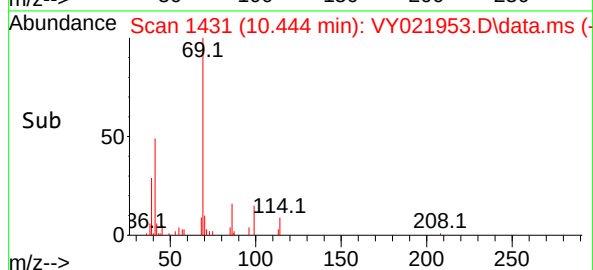
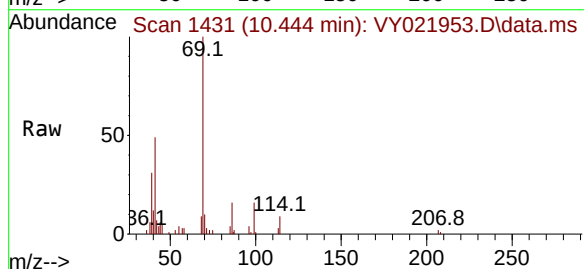
Manual Integrations
APPROVED

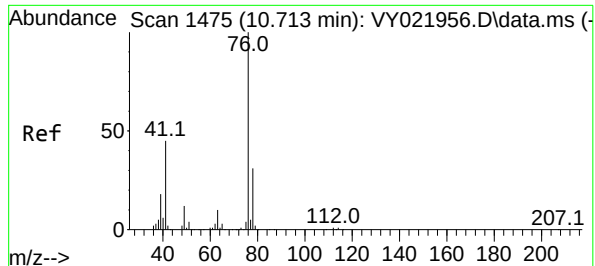
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 3.982 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 69 Resp: 10816
Ion Ratio Lower Upper
69 100
41 54.5 40.7 61.1
39 30.0 23.3 34.9





#57

1,3-Dichloropropane

Concen: 5.020 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 1911

Ion Ratio Lower Upper

76 100

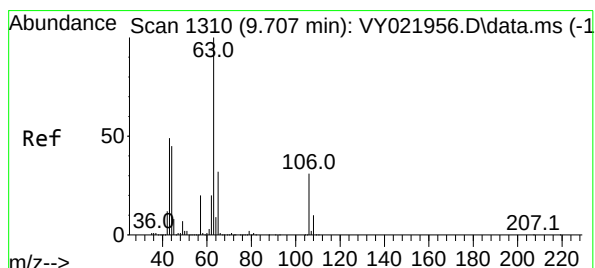
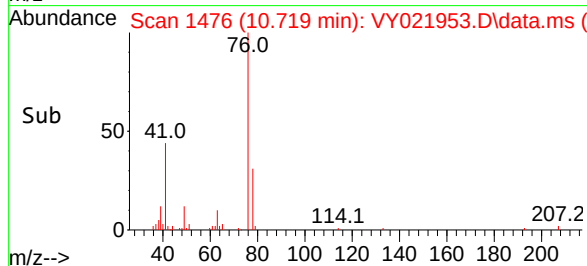
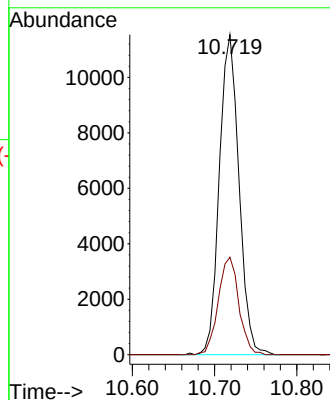
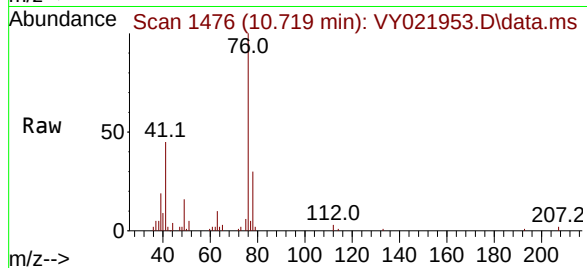
78 31.9 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#58

2-Chloroethyl Vinyl ether

Concen: 20.606 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY021953.D

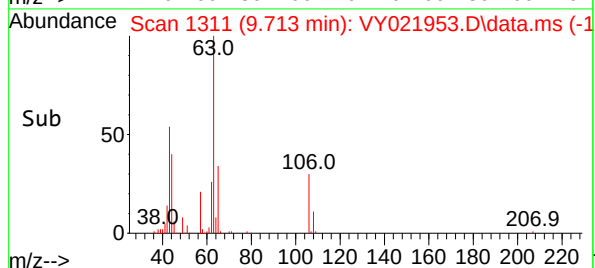
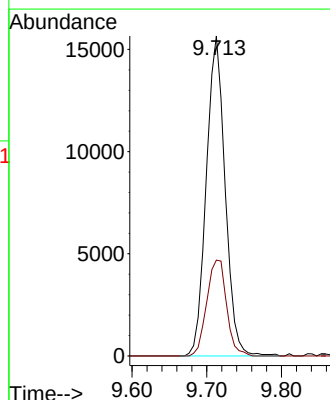
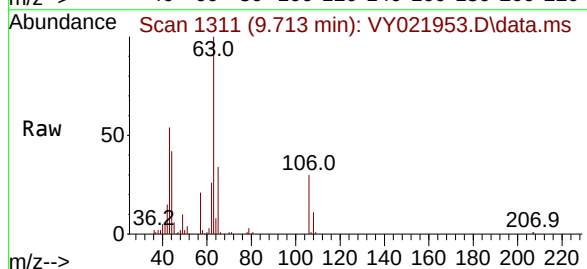
Acq: 22 Apr 2025 13:39

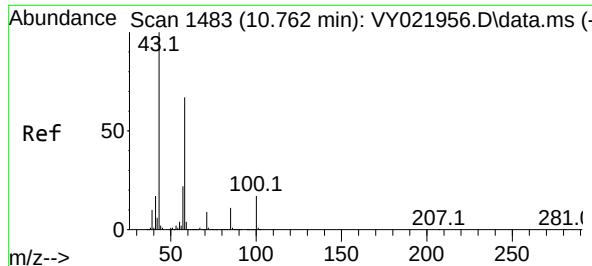
Tgt Ion: 63 Resp: 27363

Ion Ratio Lower Upper

63 100

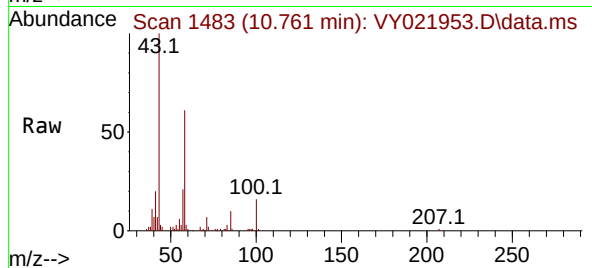
106 31.5 25.3 37.9





#59
2-Hexanone
Concen: 22.001 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

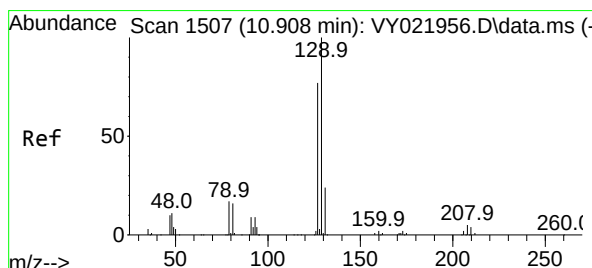
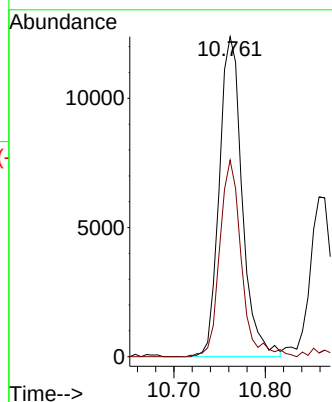
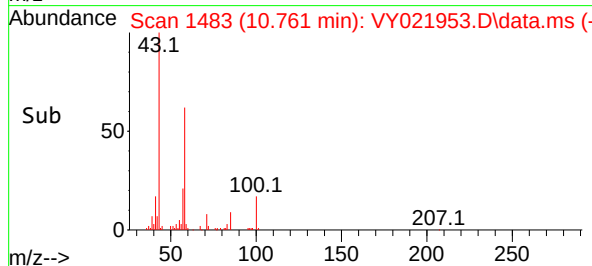
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 21558
Ion Ratio Lower Upper
43 100
58 58.1 32.0 96.0

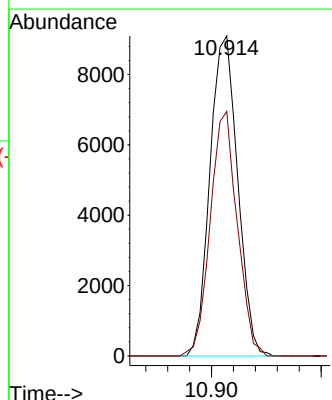
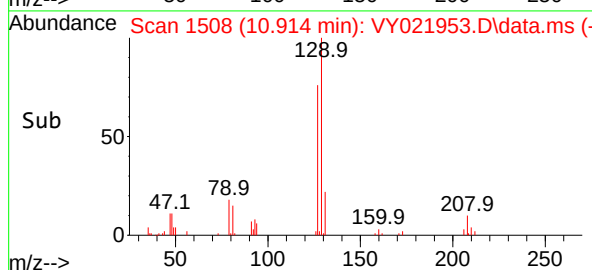
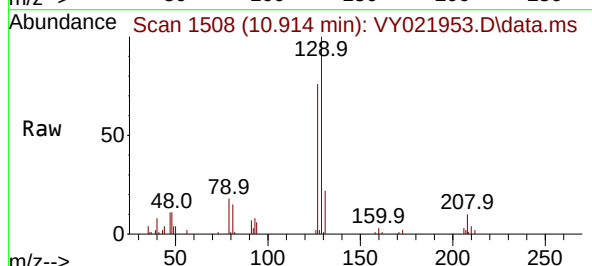
Manual Integrations
APPROVED

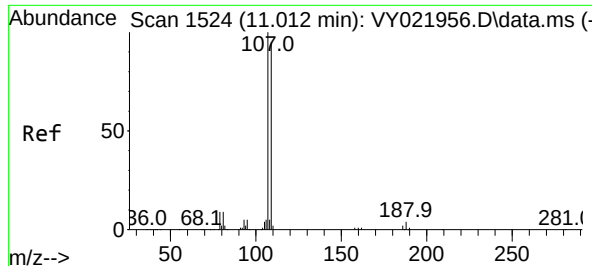
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 4.863 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

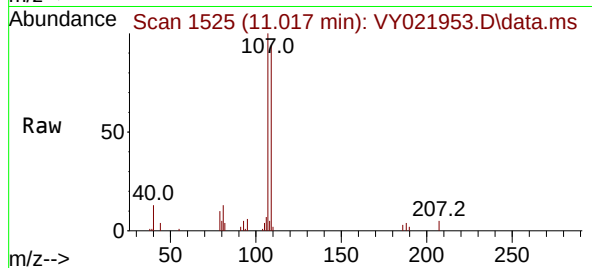
Tgt Ion:129 Resp: 15992
Ion Ratio Lower Upper
129 100
127 74.2 38.5 115.3





#61
1,2-Dibromoethane
Concen: 4.915 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

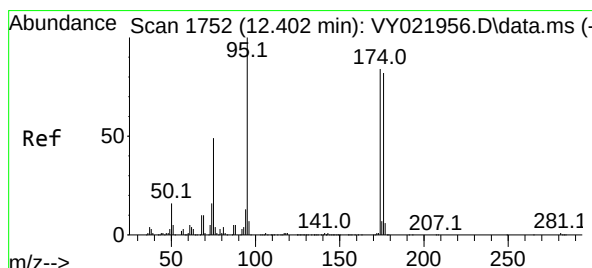
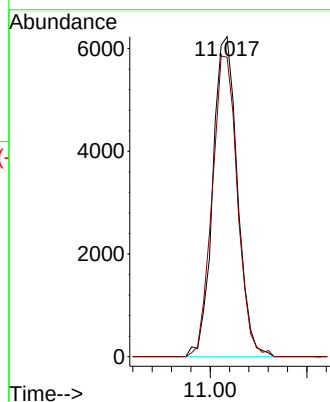
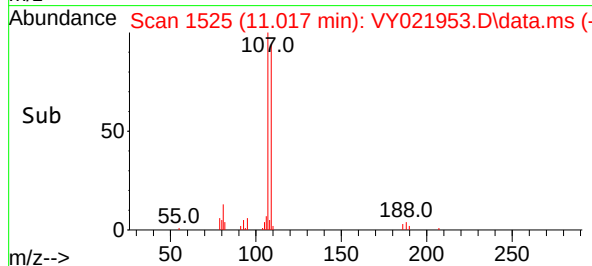
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 11020
Ion Ratio Lower Upper
107 100
109 96.5 75.8 113.8

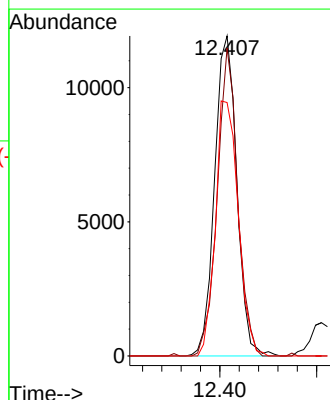
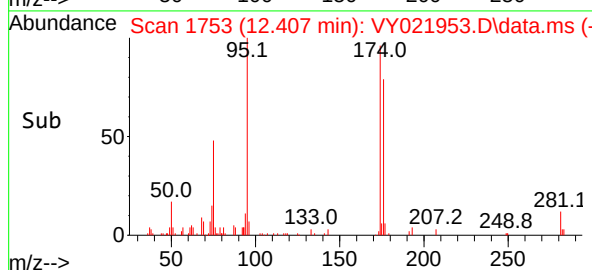
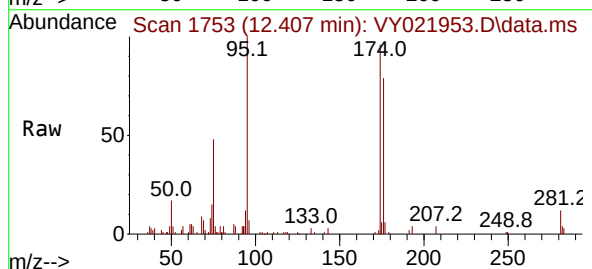
Manual Integrations
APPROVED

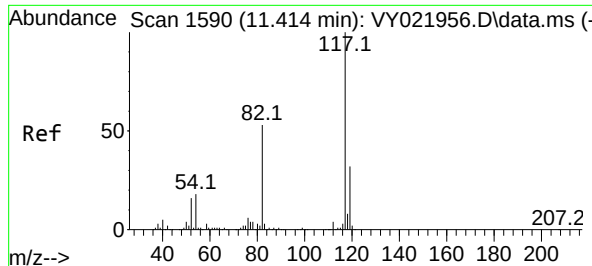
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 4.869 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

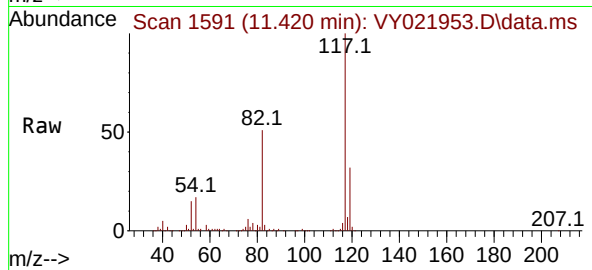
Tgt Ion: 95 Resp: 18902
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 82.4 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

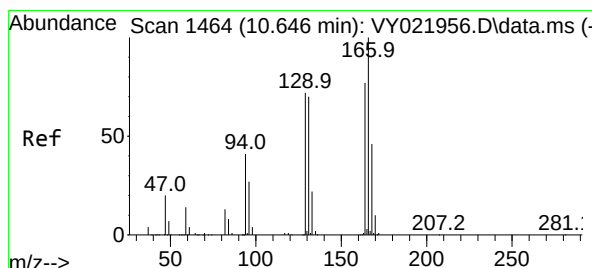
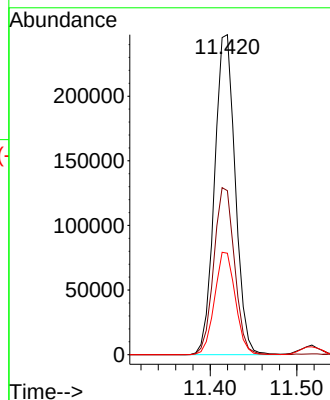
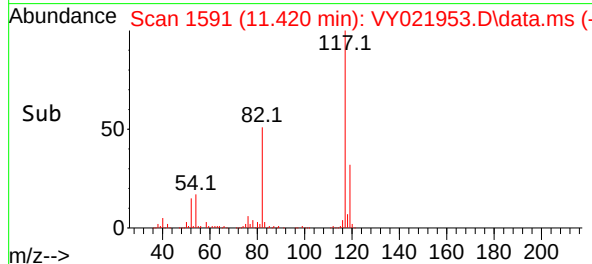
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



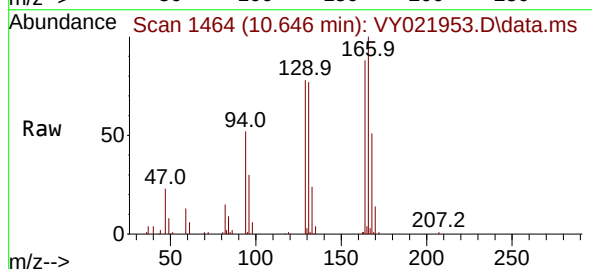
Tgt Ion:117 Resp: 41072
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 31.7 25.7 38.5

Manual Integrations
APPROVED

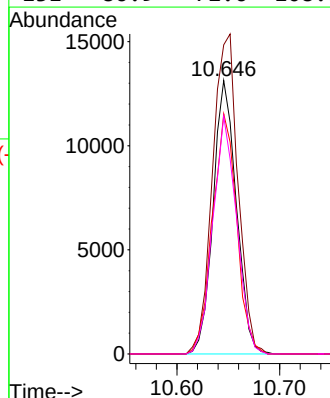
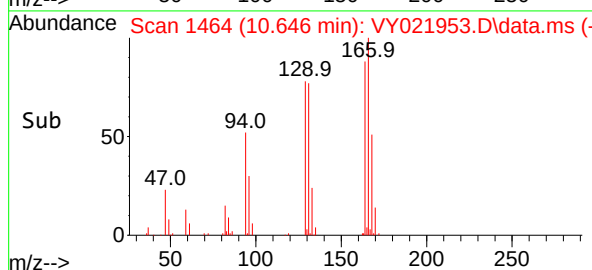
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

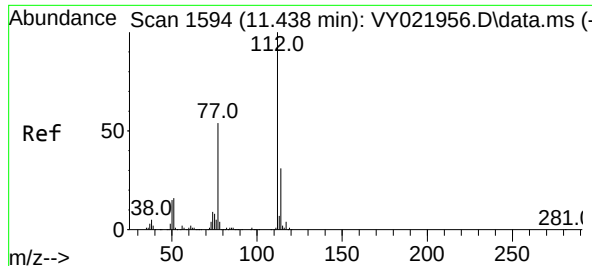


#64
Tetrachloroethene
Concen: 5.302 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39



Tgt Ion:164 Resp: 20545
Ion Ratio Lower Upper
164 100
166 113.0 103.6 155.4
129 87.8 74.2 111.4
131 86.9 72.6 108.8





#65

Chlorobenzene

Concen: 5.314 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 4880

Ion Ratio Lower Upper

112 100

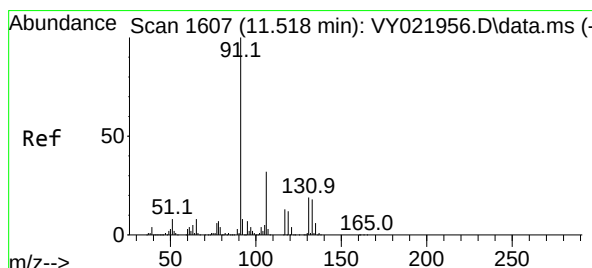
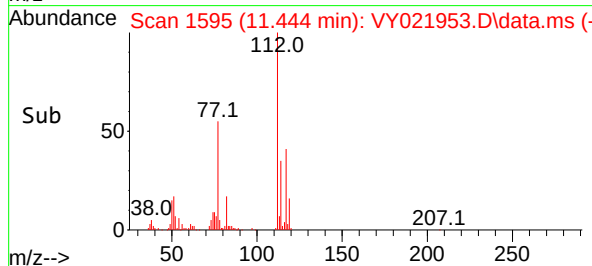
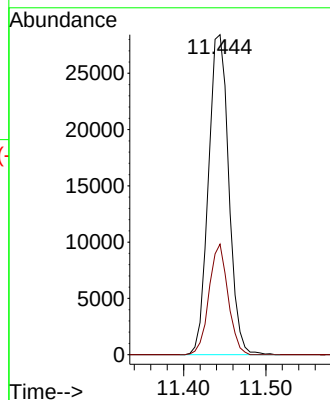
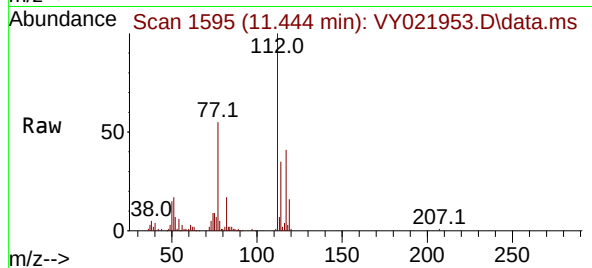
114 34.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 5.097 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

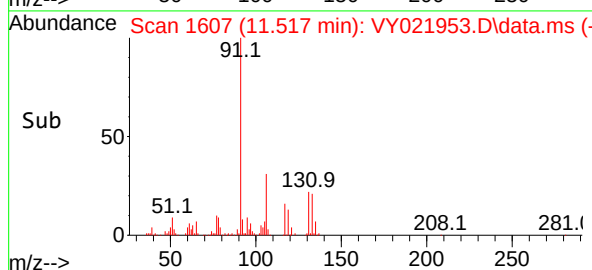
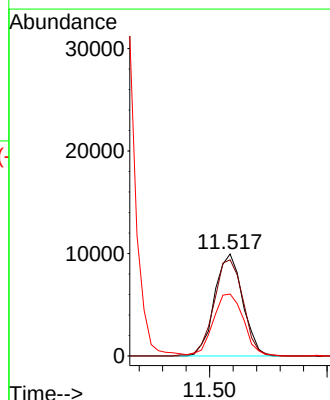
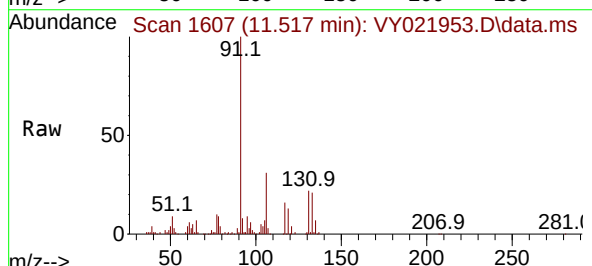
Tgt Ion:131 Resp: 16483

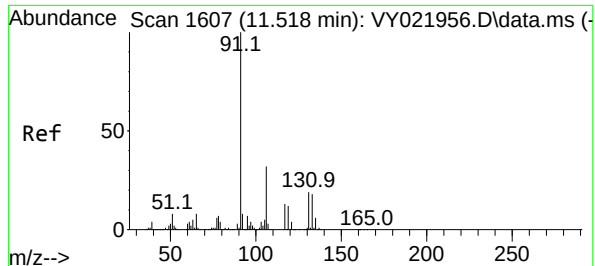
Ion Ratio Lower Upper

131 100

133 98.5 47.8 143.3

119 65.6 32.4 97.0





#67

Ethyl Benzene

Concen: 4.629 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 69548

Ion Ratio Lower Upper

91 100

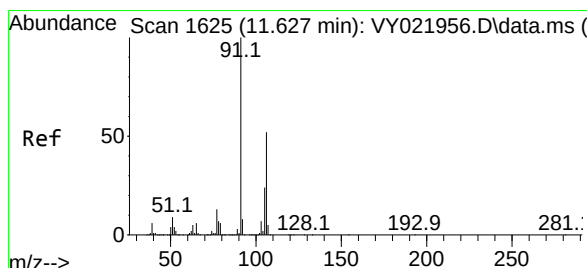
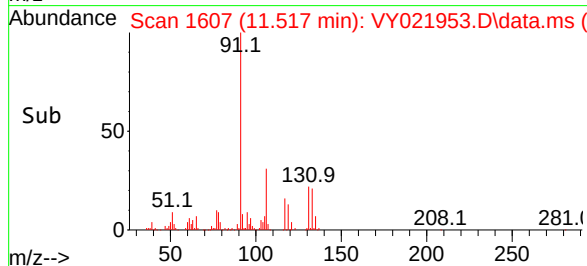
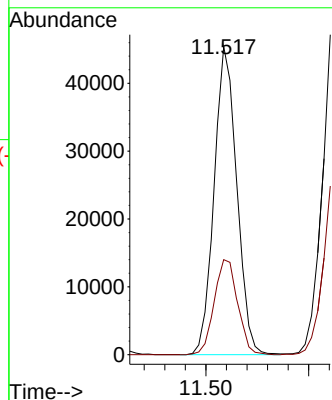
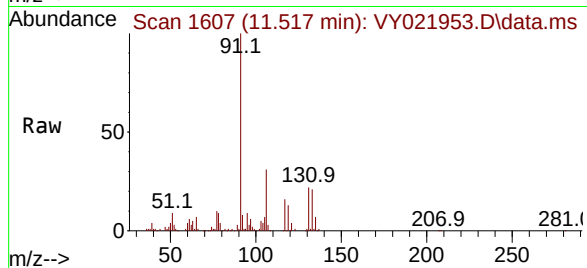
106 30.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 9.119 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021953.D

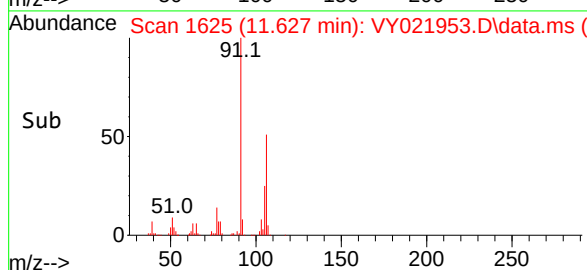
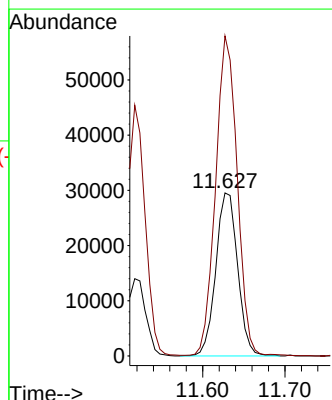
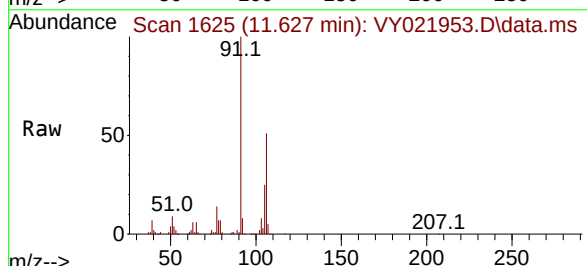
Acq: 22 Apr 2025 13:39

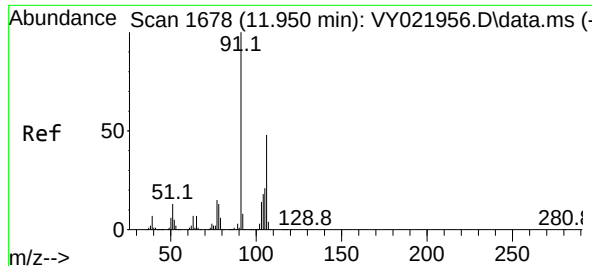
Tgt Ion:106 Resp: 54518

Ion Ratio Lower Upper

106 100

91 195.0 156.2 234.2





#69

o-Xylene

Concen: 4.466 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 2461

Ion Ratio Lower Upper

106 100

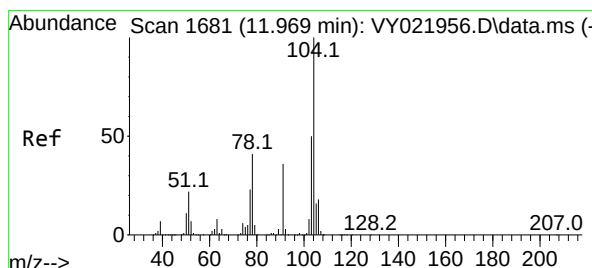
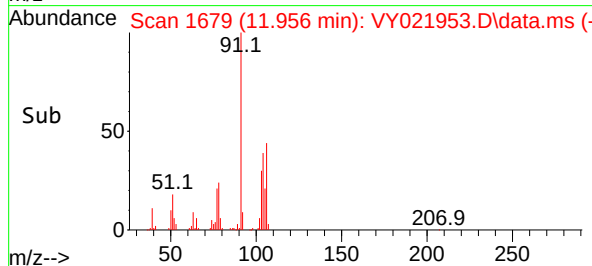
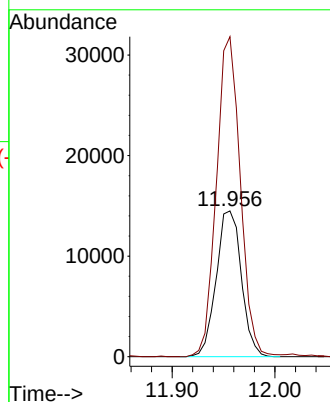
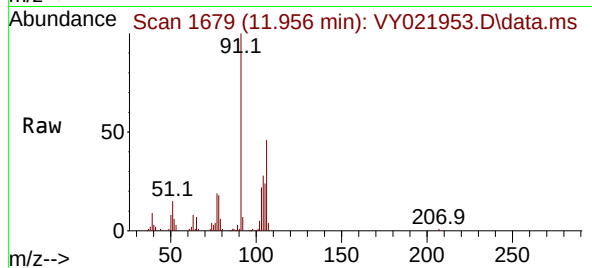
91 208.8 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#70

Styrene

Concen: 4.217 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

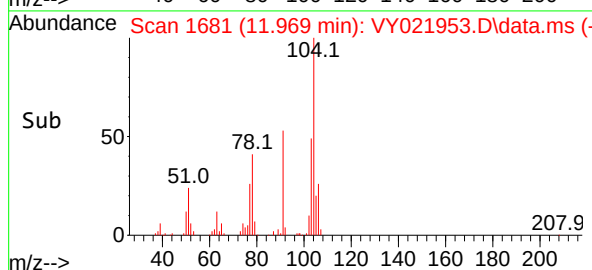
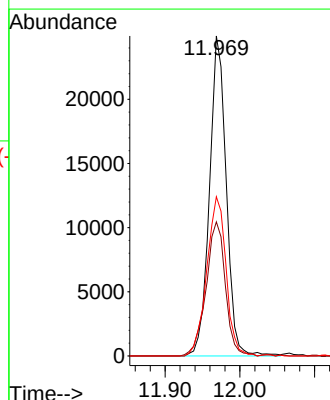
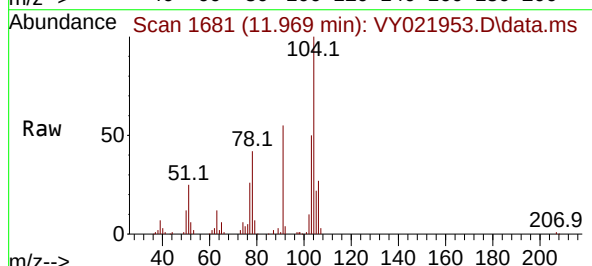
Tgt Ion:104 Resp: 39016

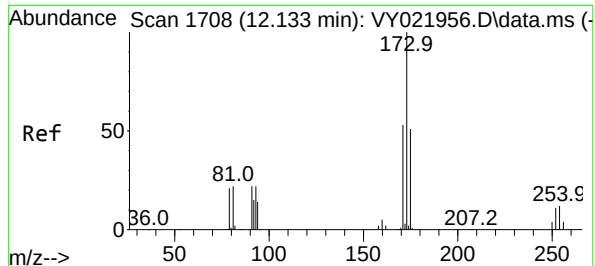
Ion Ratio Lower Upper

104 100

78 48.0 36.6 54.8

103 57.1 43.8 65.8





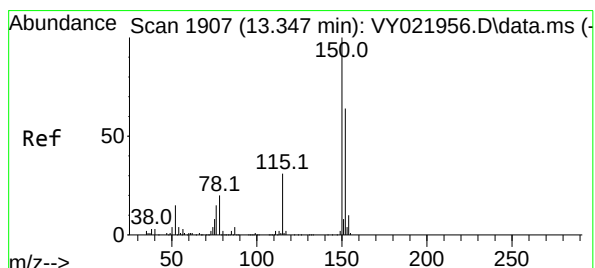
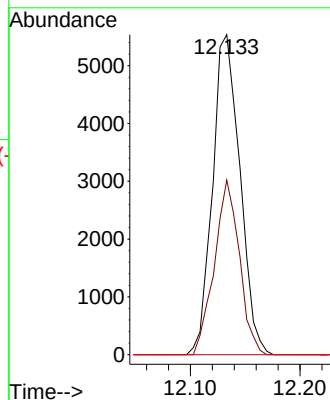
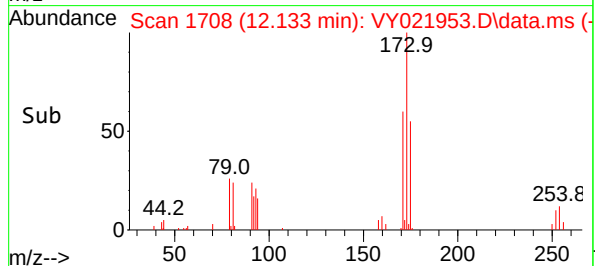
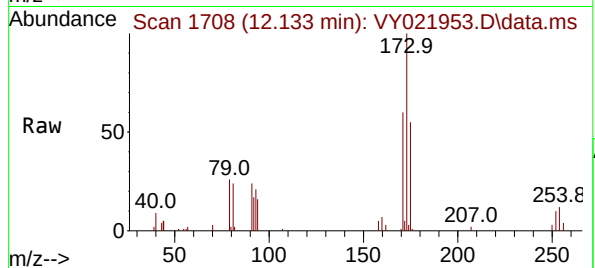
#71
Bromoform
Concen: 5.111 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 9608
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.0 0.0 0.0

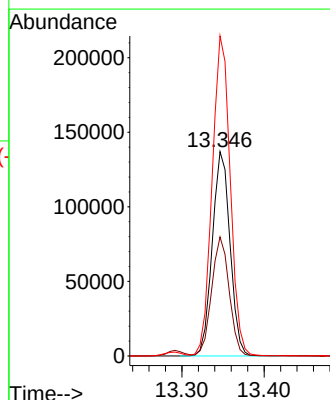
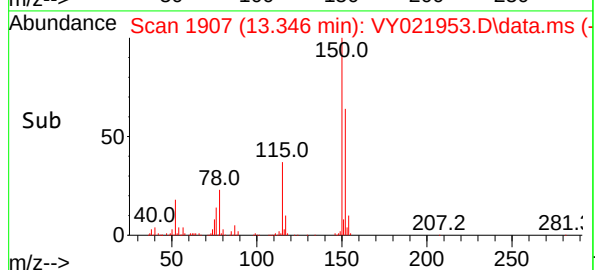
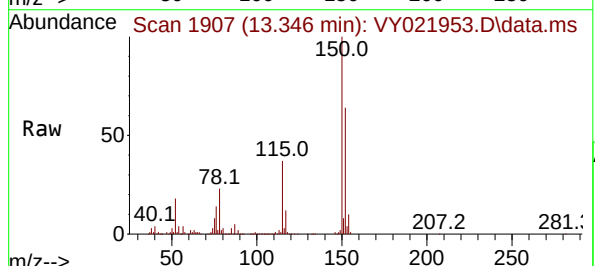
Manual Integrations
APPROVED

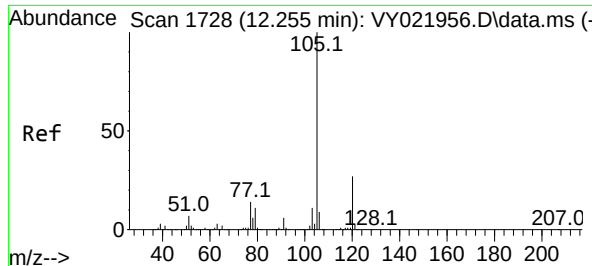
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:152 Resp: 205526
Ion Ratio Lower Upper
152 100
115 57.3 28.0 84.0
150 159.3 0.0 345.6





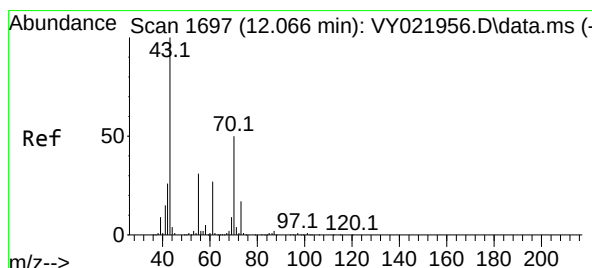
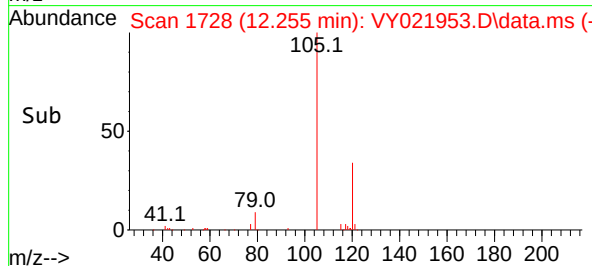
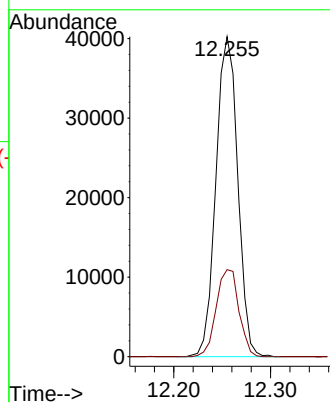
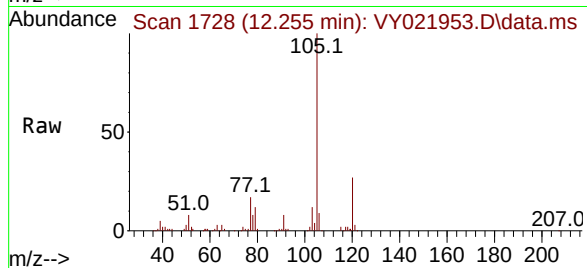
#73
Isopropylbenzene
Concen: 4.582 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 6291
Ion Ratio Lower Upper
105 100
120 28.3 13.5 40.5

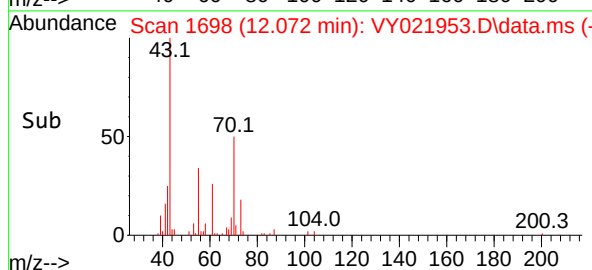
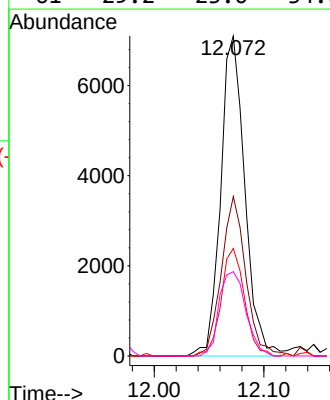
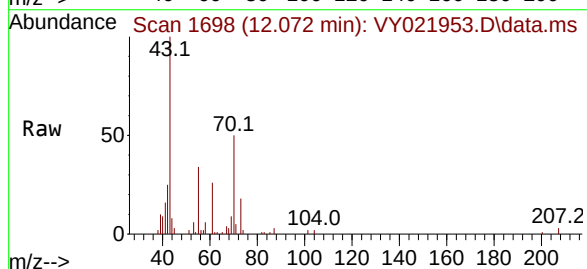
Manual Integrations
APPROVED

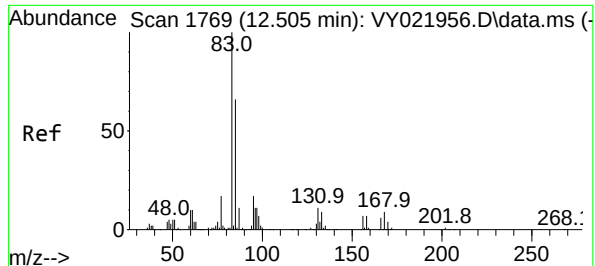
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 4.596 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 10843
Ion Ratio Lower Upper
43 100
70 50.3 43.2 64.8
55 32.5 25.7 38.5
61 29.2 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.340 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

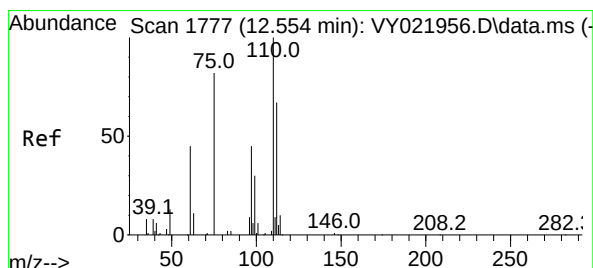
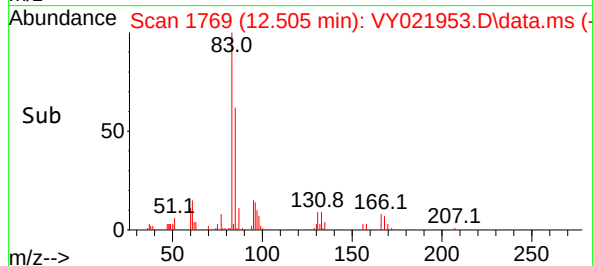
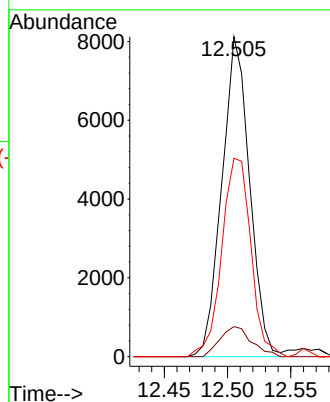
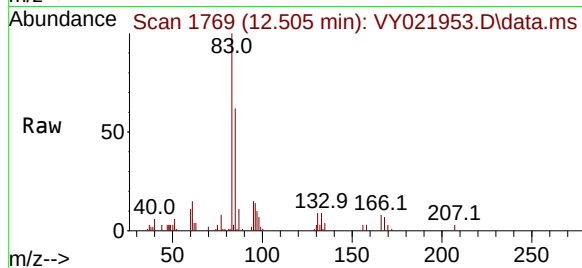
VSTDIC005

Tgt Ion:	83	Resp:	1236
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	65.3	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76

1,2,3-Trichloropropane

Concen: 5.648 ug/l m

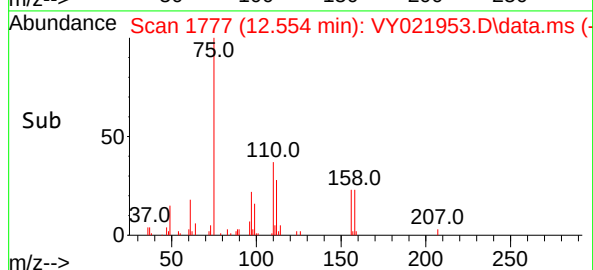
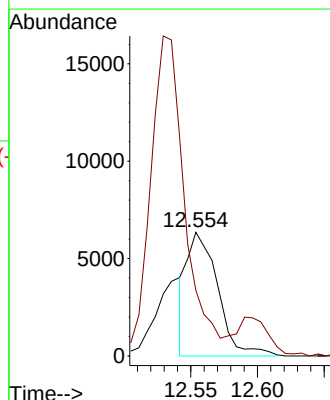
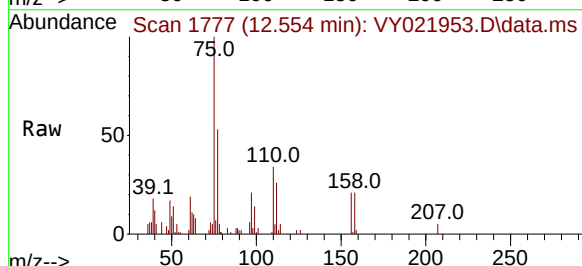
RT: 12.554 min Scan# 1777

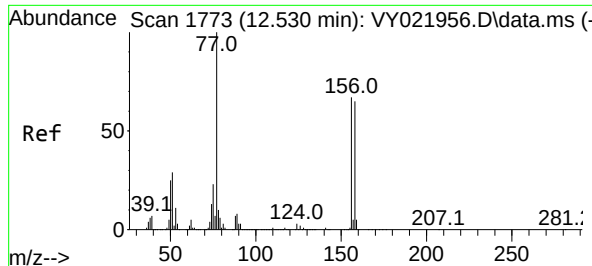
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	75	Resp:	10228
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.064 ug/l

RT: 12.535 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

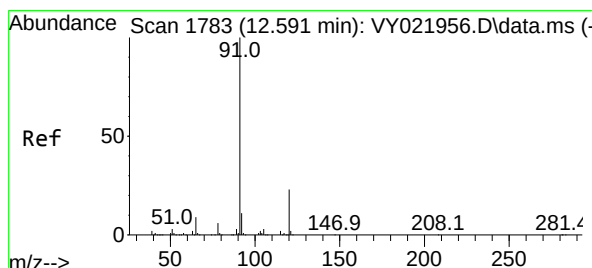
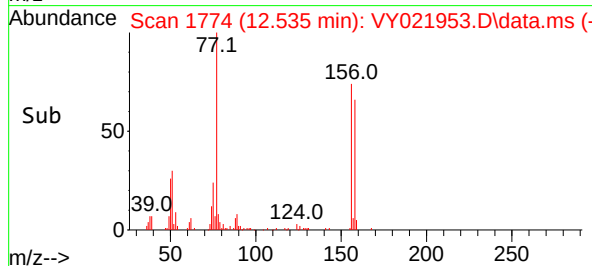
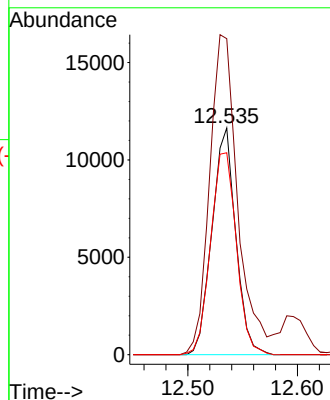
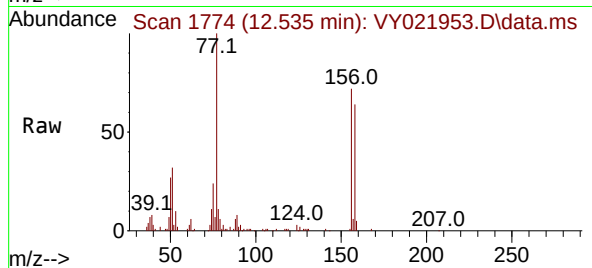
VSTDIC005

Tgt Ion:	156	Resp:	17570
Ion Ratio	Lower	Upper	
156	100		
77	165.8	82.7	248.1
158	96.6	48.1	144.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78

n-propylbenzene

Concen: 4.660 ug/l

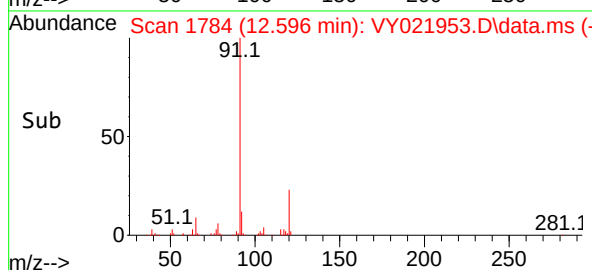
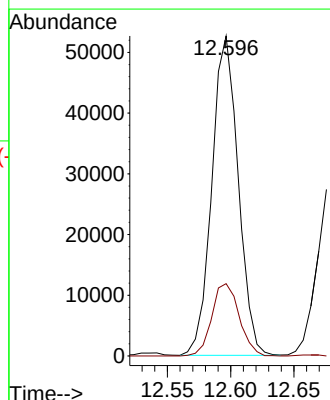
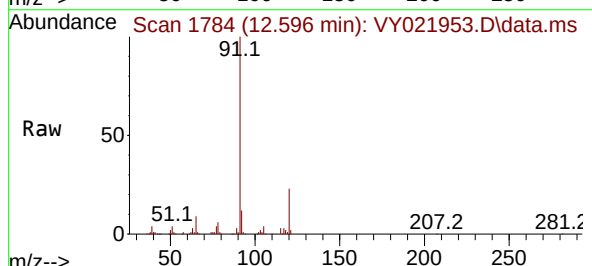
RT: 12.596 min Scan# 1784

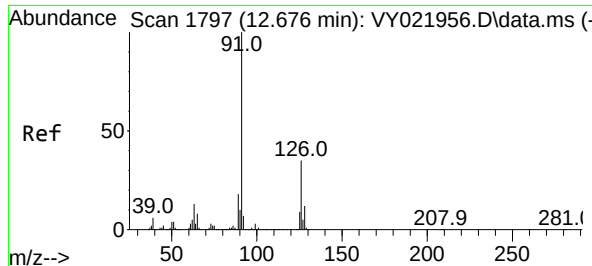
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	91	Resp:	76210
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 4.868 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 46298

Ion Ratio Lower Upper

91 100

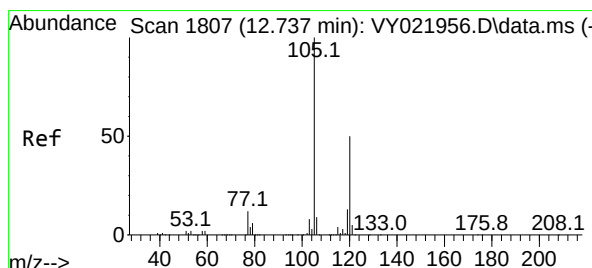
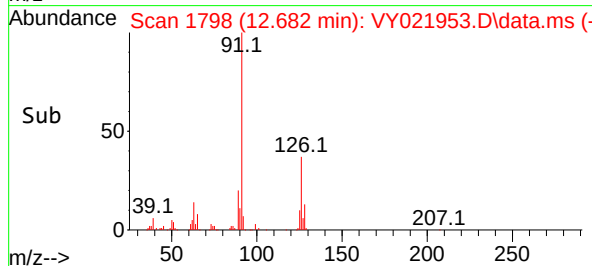
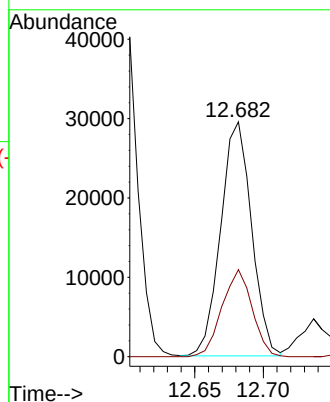
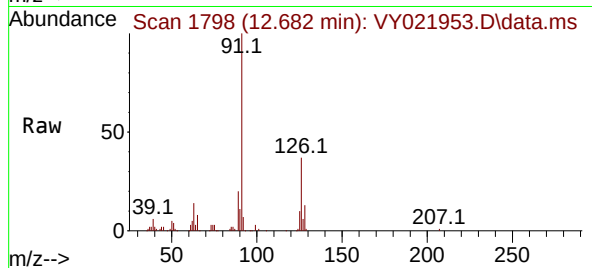
126 36.2 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.481 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021953.D

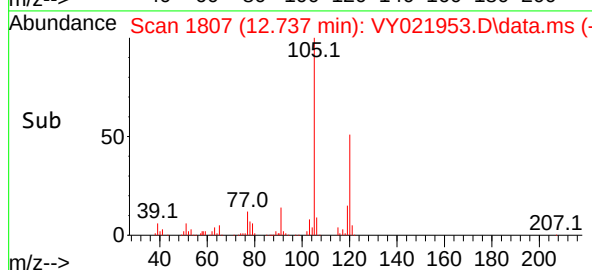
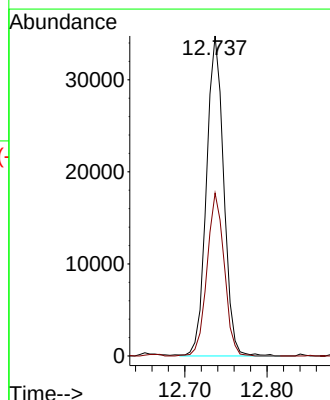
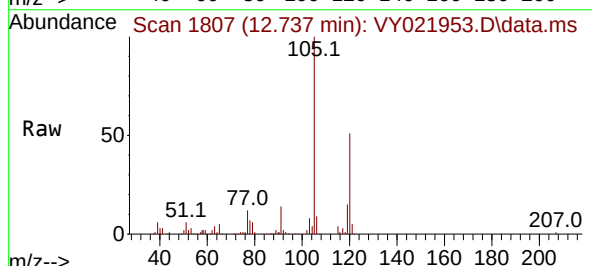
Acq: 22 Apr 2025 13:39

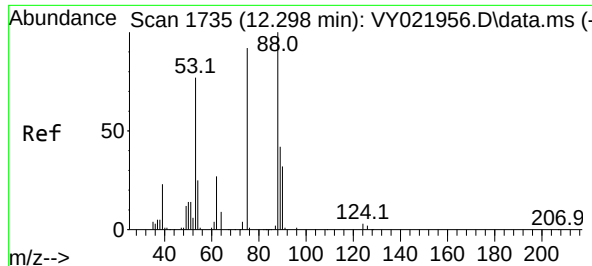
Tgt Ion:105 Resp: 50699

Ion Ratio Lower Upper

105 100

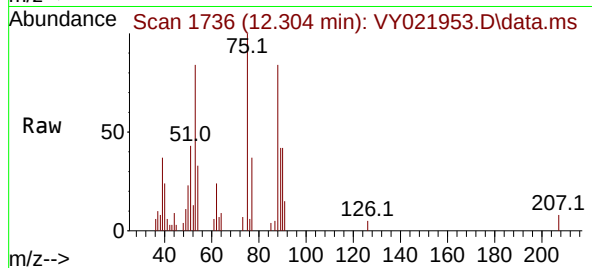
120 50.7 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 5.191 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

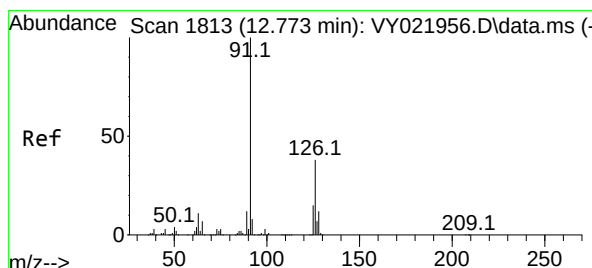
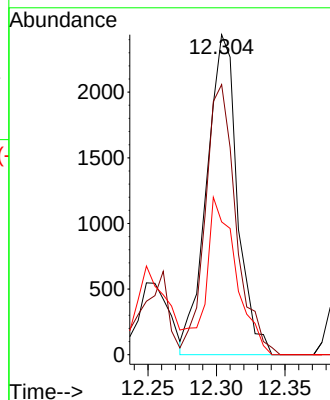
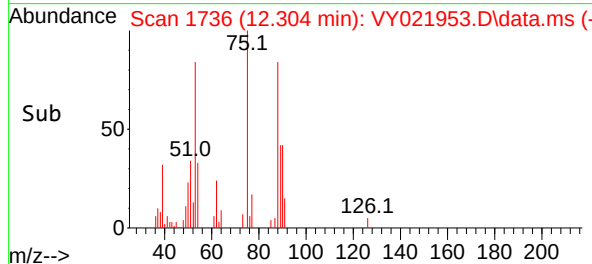
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
53 84.6 66.0 99.0
89 46.9 37.2 55.8

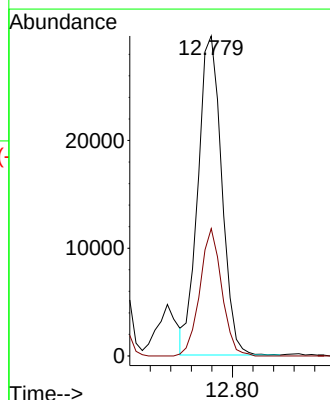
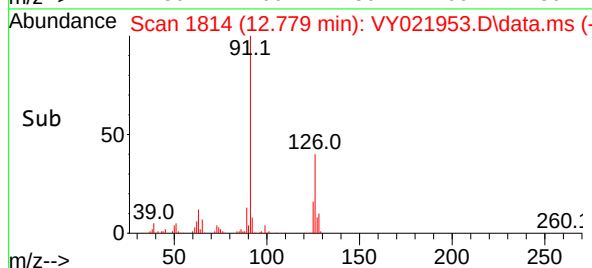
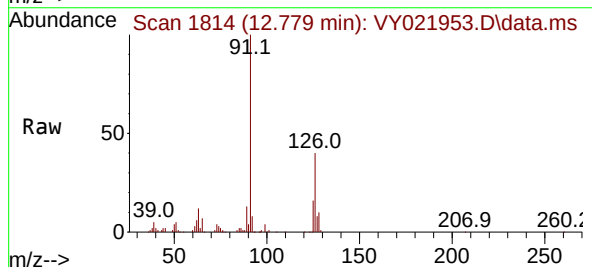
Manual Integrations
APPROVED

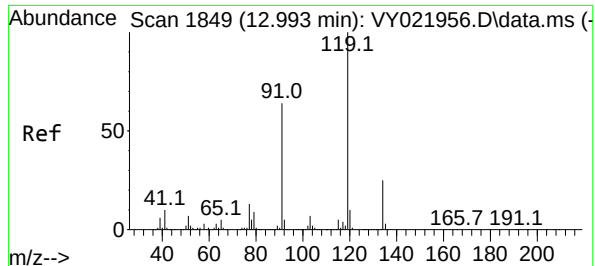
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 4.809 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 47541
Ion Ratio Lower Upper
91 100
126 36.9 17.9 53.8





#83

tert-Butylbenzene

Concen: 4.550 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

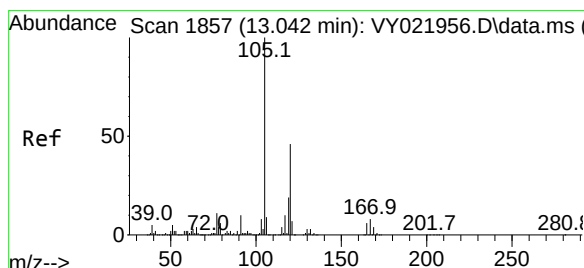
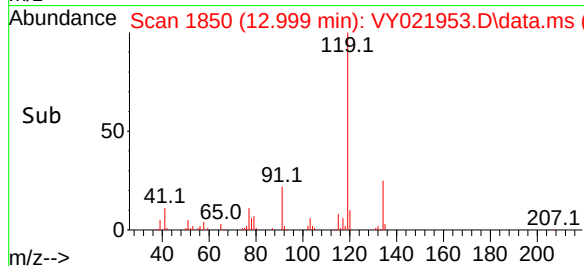
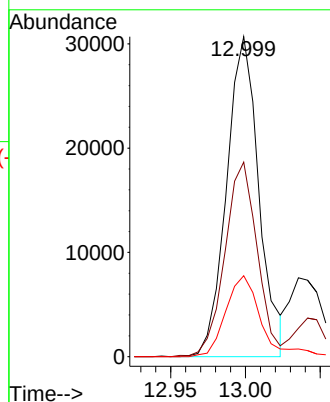
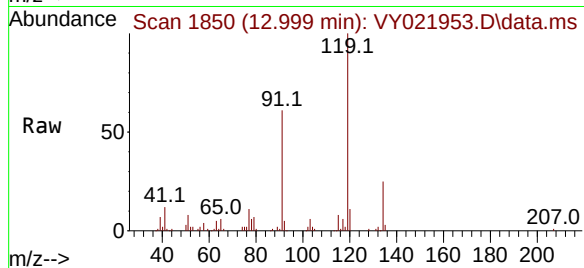
VSTDIC005

Tgt Ion:	119	Resp:	4617
Ion Ratio	Lower	Upper	
119	100		
91	60.7	30.3	90.9
134	27.5	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.387 ug/l

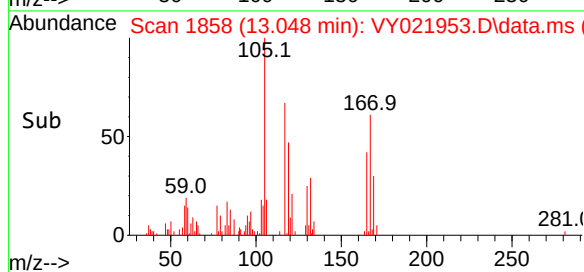
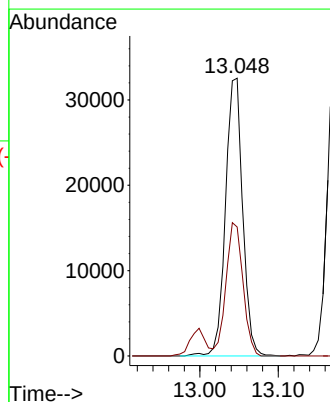
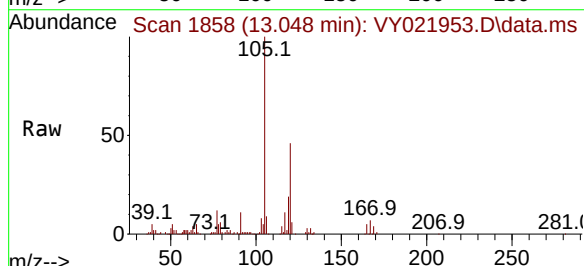
RT: 13.048 min Scan# 1858

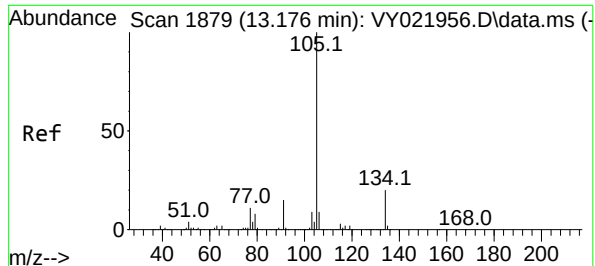
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	105	Resp:	49642
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 4.504 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 66872

Ion Ratio Lower Upper

105 100

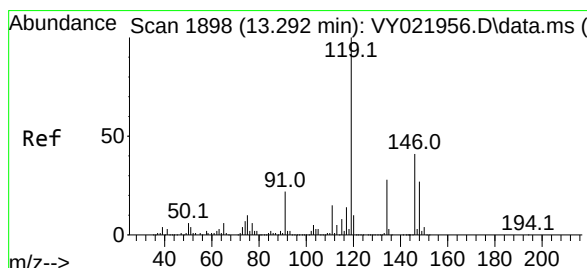
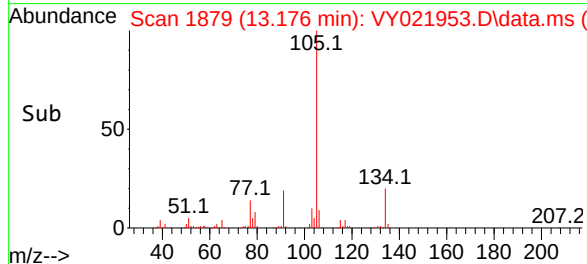
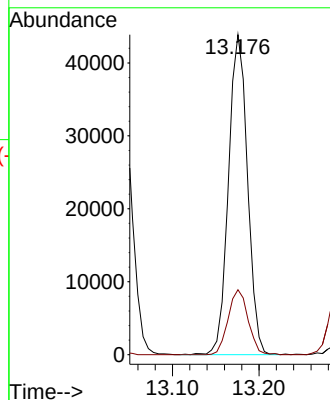
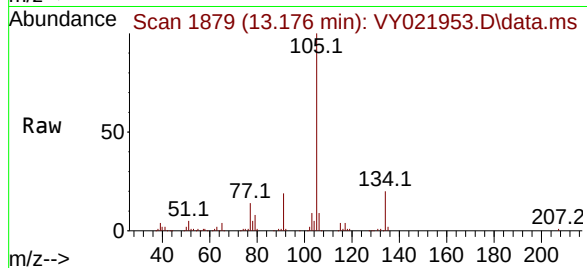
134 21.3 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#86

p-Isopropyltoluene

Concen: 4.430 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

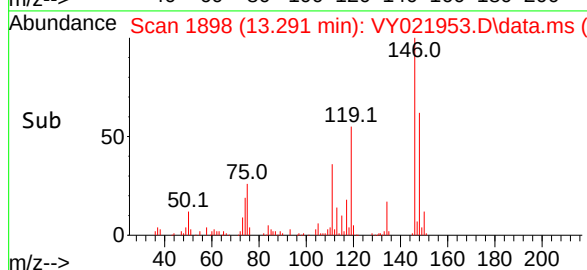
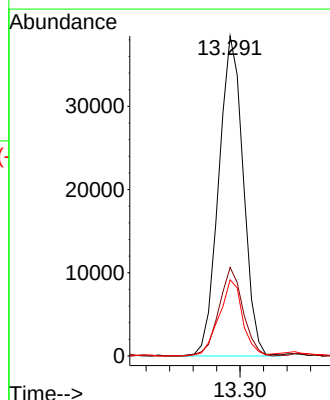
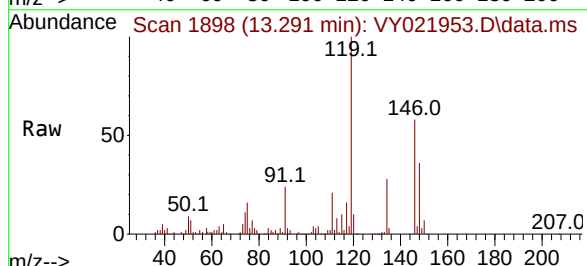
Tgt Ion:119 Resp: 55850

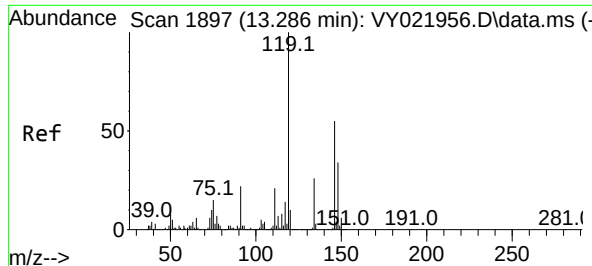
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

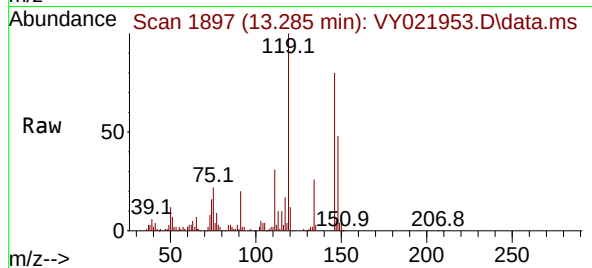
91 22.8 11.0 33.0





#87
1,3-Dichlorobenzene
Concen: 5.045 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

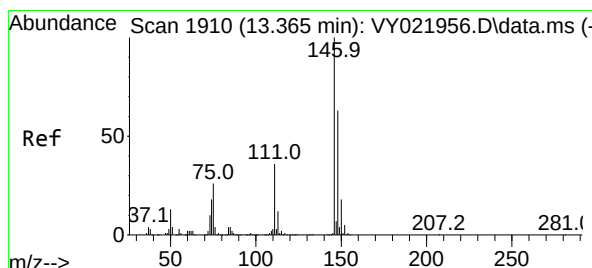
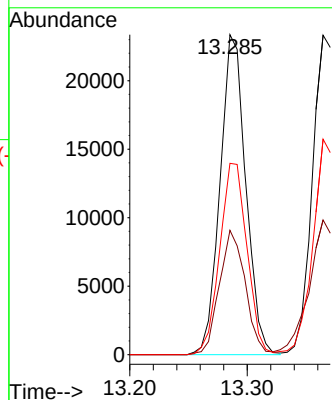
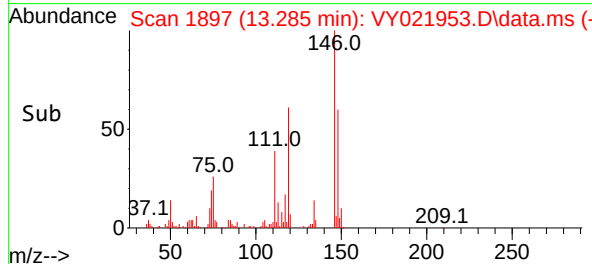
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



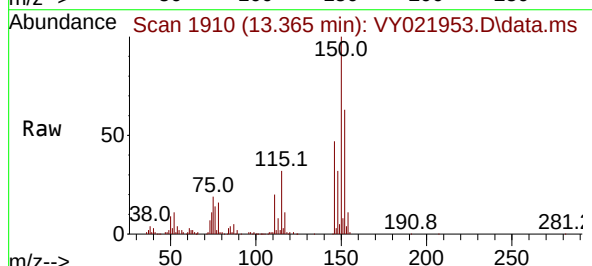
Tgt Ion:146 Resp: 3555
Ion Ratio Lower Upper
146 100
111 39.3 19.1 57.5
148 63.4 32.0 96.2

Manual Integrations
APPROVED

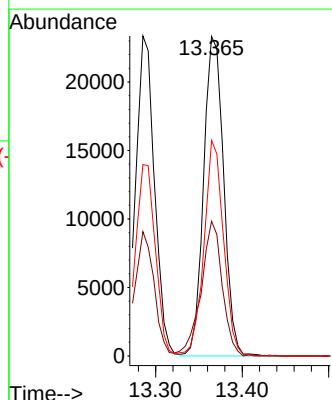
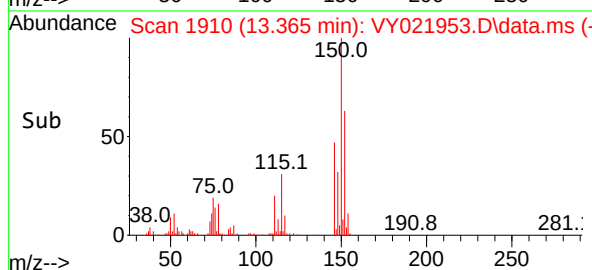
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

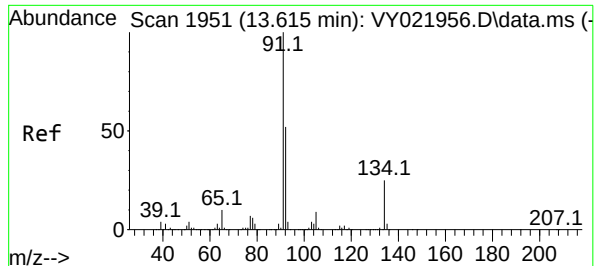


#88
1,4-Dichlorobenzene
Concen: 5.362 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39



Tgt Ion:146 Resp: 37426
Ion Ratio Lower Upper
146 100
111 44.7 19.2 57.6
148 66.0 32.0 96.0





#89

n-Butylbenzene

Concen: 4.518 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

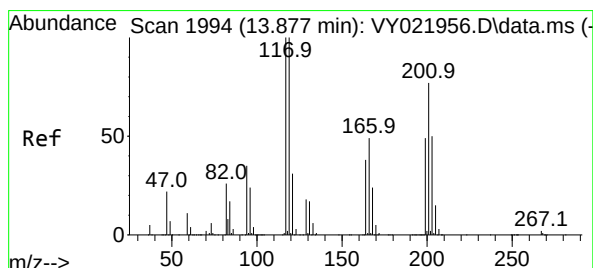
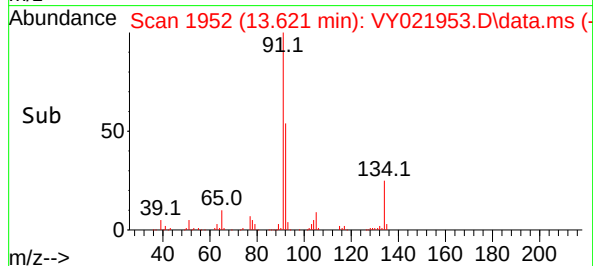
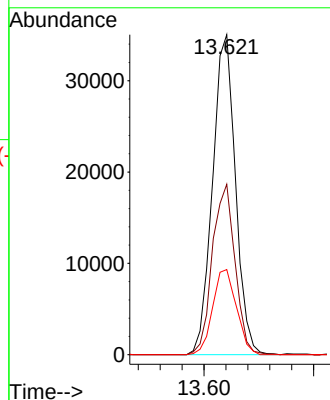
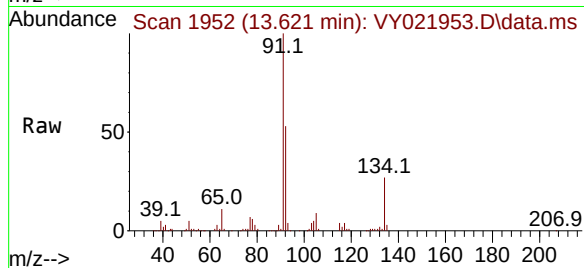
VSTDIC005

Tgt Ion:	91	Resp:	50918
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.7	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 5.308 ug/l

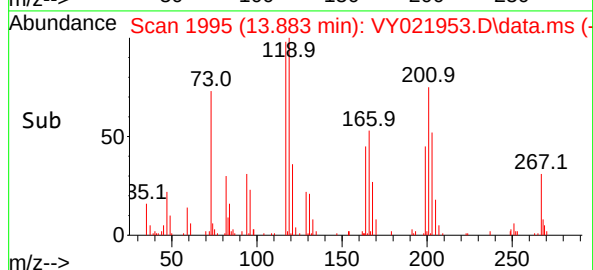
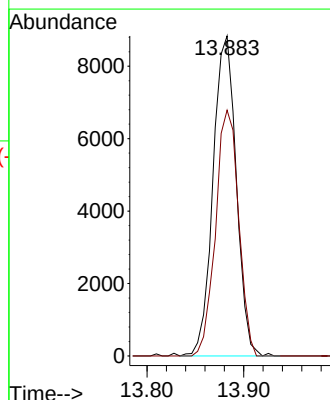
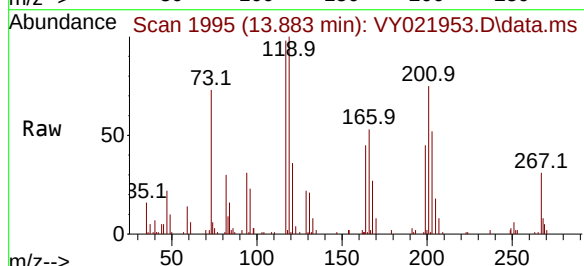
RT: 13.883 min Scan# 1995

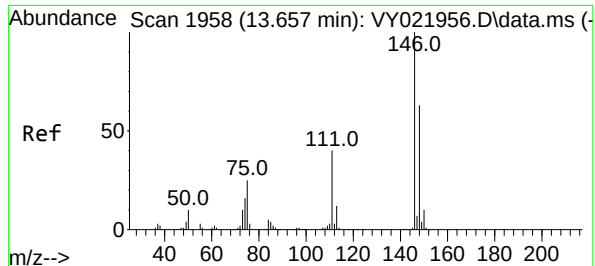
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	117	Resp:	14703
Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.7	116.1





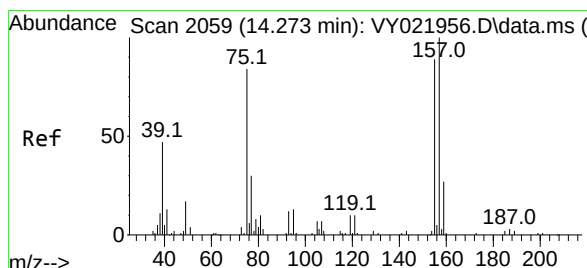
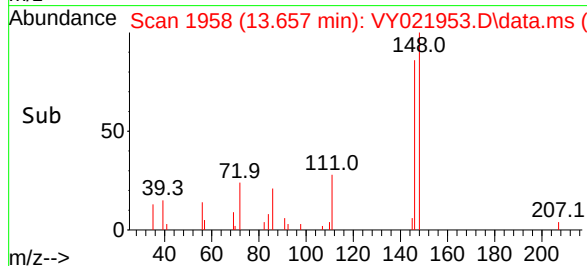
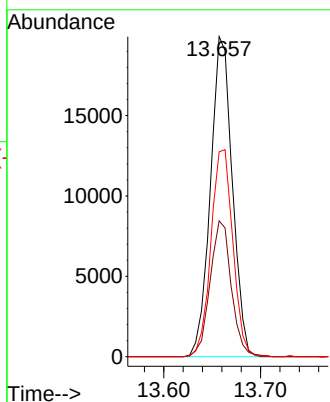
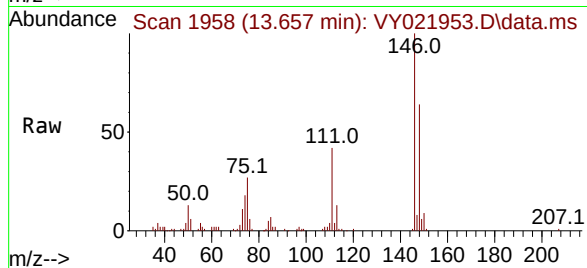
#91
1,2-Dichlorobenzene
Concen: 5.092 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 31298
Ion Ratio Lower Upper
146 100
111 41.1 19.7 59.1
148 64.9 32.1 96.3

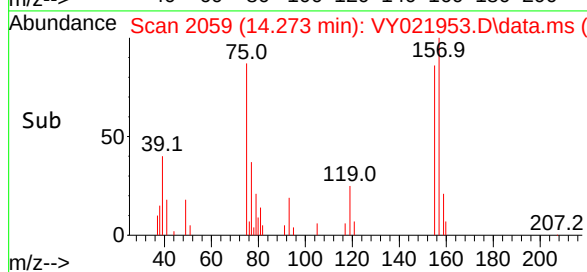
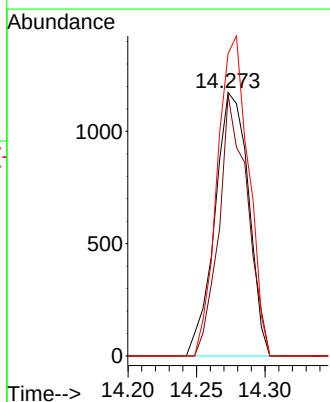
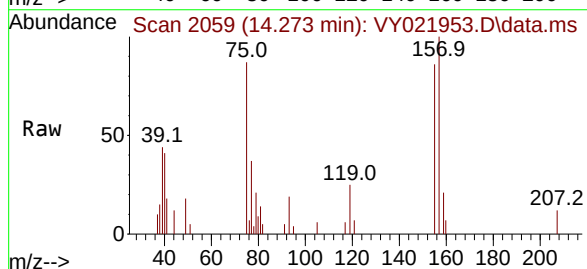
Manual Integrations
APPROVED

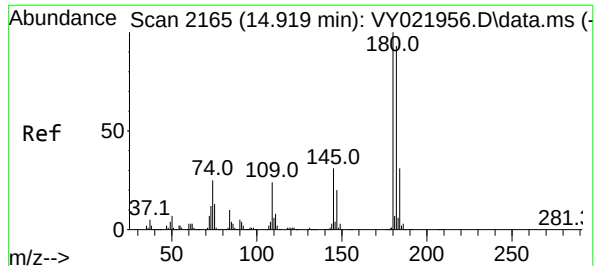
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.430 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 2000
Ion Ratio Lower Upper
75 100
155 83.8 50.7 152.3
157 113.1 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 4.406 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

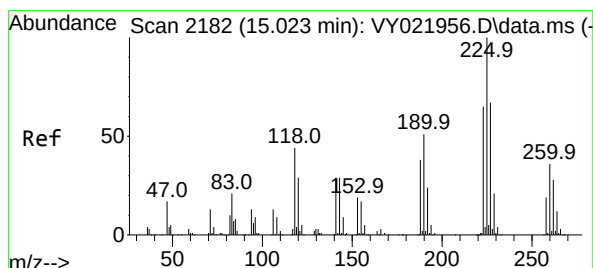
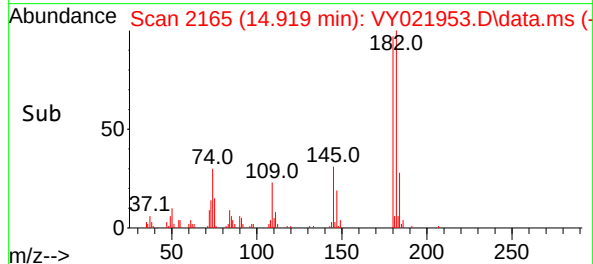
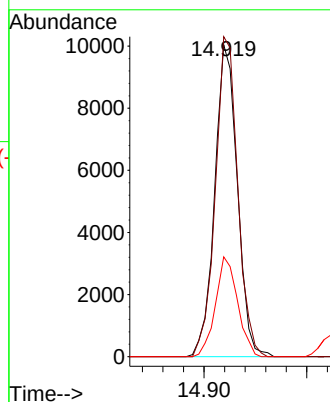
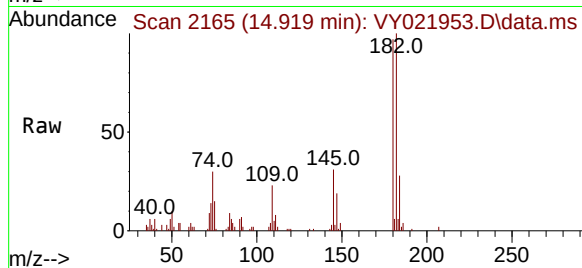
VSTDICC005

Tgt Ion:	180	Resp:	1534
Ion Ratio	Lower	Upper	
180	100		
182	101.1	47.1	141.4
145	31.3	15.0	45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 5.004 ug/l

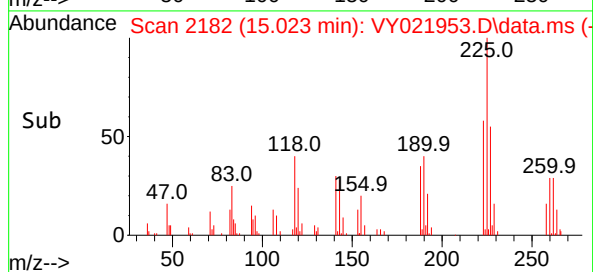
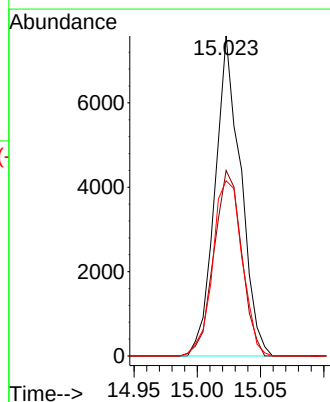
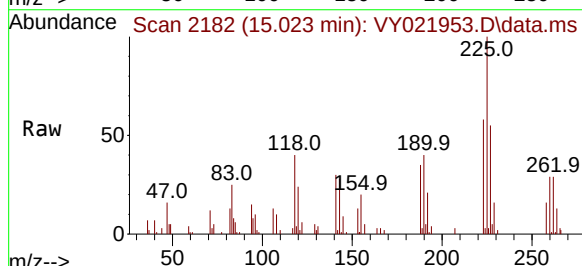
RT: 15.023 min Scan# 2182

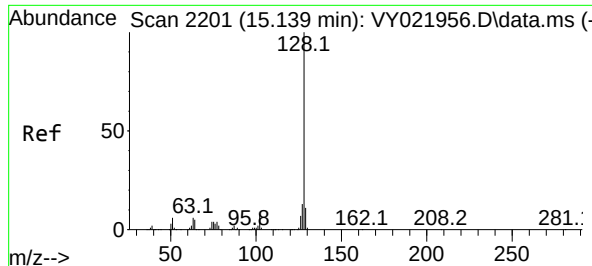
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	225	Resp:	10723
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.9	95.5
227	62.9	32.3	96.9





#95

Naphthalene

Concen: 4.212 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

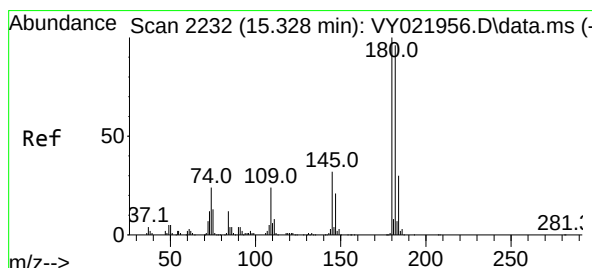
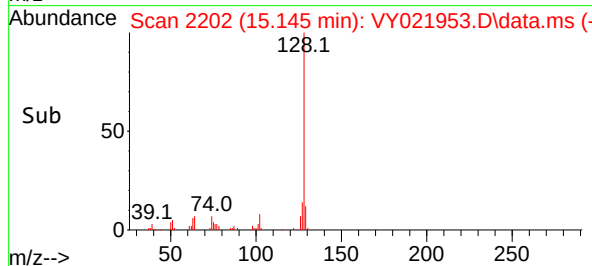
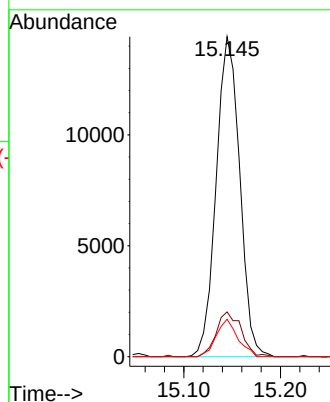
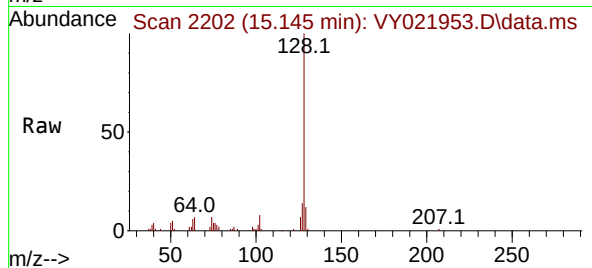
VSTDIC005

Tgt Ion:	128	Resp:	2436
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.6	16.0
129	10.6	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.585 ug/l

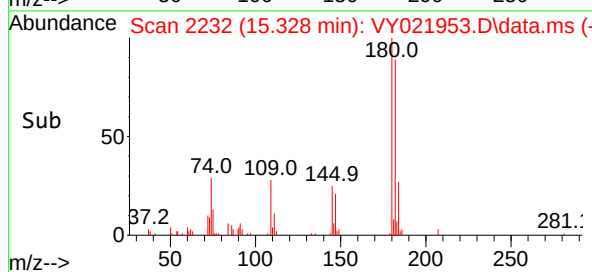
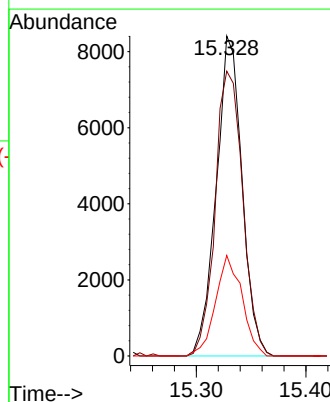
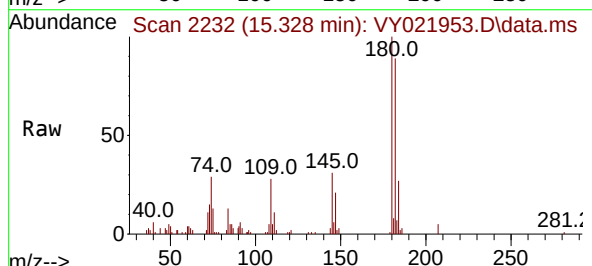
RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	180	Resp:	13785
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.1	144.4
145	32.3	16.0	48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021954.D
 Acq On : 22 Apr 2025 14:44
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.640%#
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.660%#
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	20.240%#
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	20.480%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021954.D
 Acq On : 22 Apr 2025 14:44
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l	
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l	99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l	98
44) Trichloroethene	8.865	130	37414	10.534	ug/l	91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l	98
46) Dibromomethane	9.231	93	17848	10.055	ug/l	98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l	97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l	97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l #	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l	98
52) Toluene	10.170	92	84571	10.189	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l	98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l	98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l	98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l	97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l	99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l	99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l	99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l	99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l	96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l	100
69) o-Xylene	11.956	106	53458	9.521	ug/l	98
70) Styrene	11.969	104	90382	9.588	ug/l	99
71) Bromoform	12.133	173	18480	9.648	ug/l #	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l	100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l	
77) Bromobenzene	12.529	156	36127	9.845	ug/l	97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l	98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l	98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l	100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l	100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l	100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l	98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l	99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l	83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l	98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l	98
95) Naphthalene	15.145	128	48366	7.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

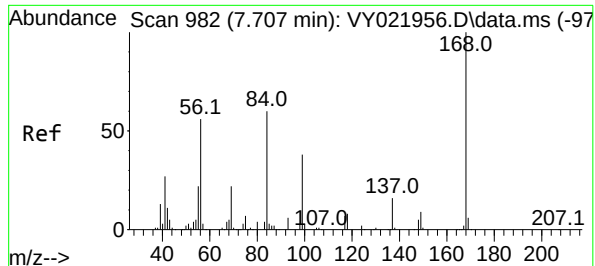
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





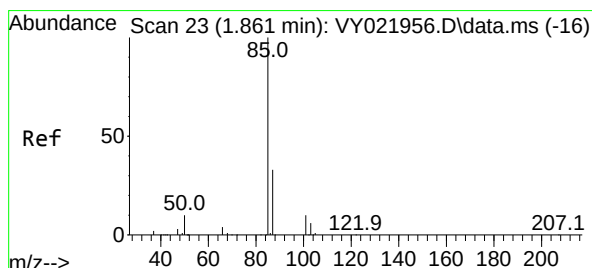
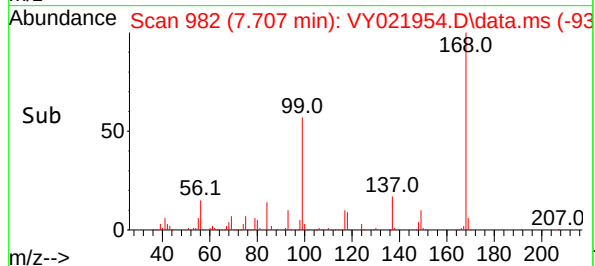
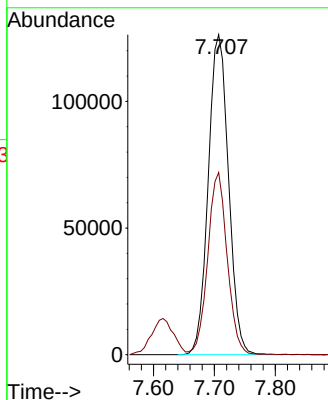
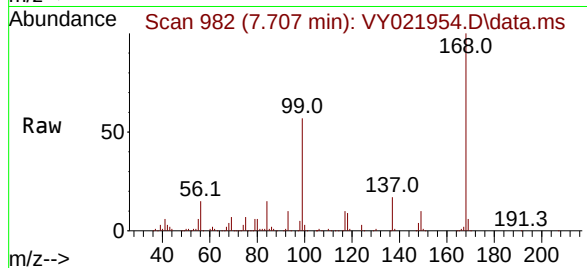
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:168 Resp: 292090
Ion Ratio Lower Upper
168 100
99 56.9 43.1 64.7

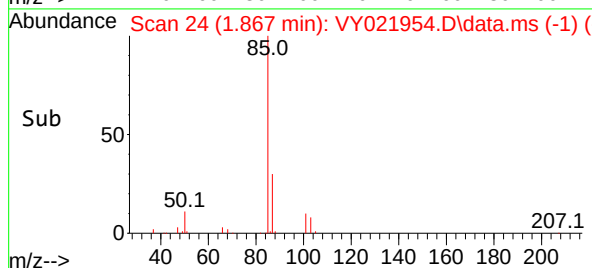
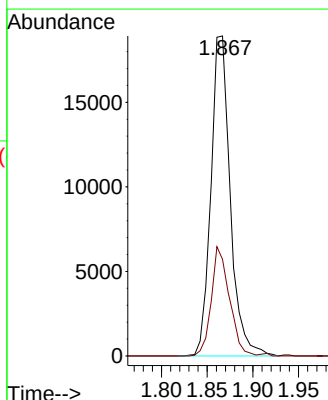
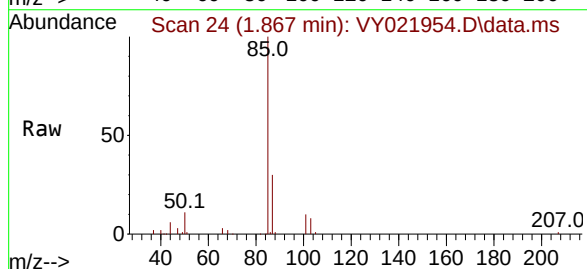
Manual Integrations
APPROVED

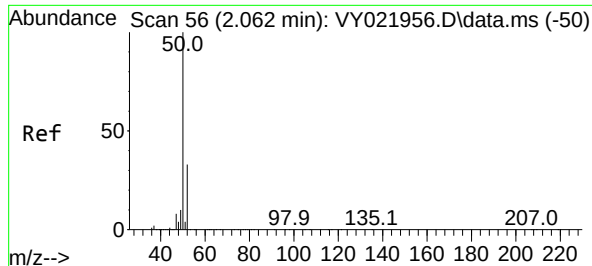
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 11.202 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 85 Resp: 27882
Ion Ratio Lower Upper
85 100
87 30.2 16.6 49.7





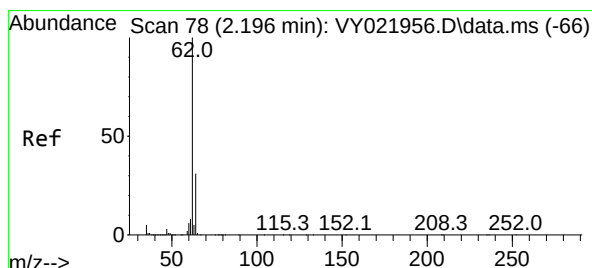
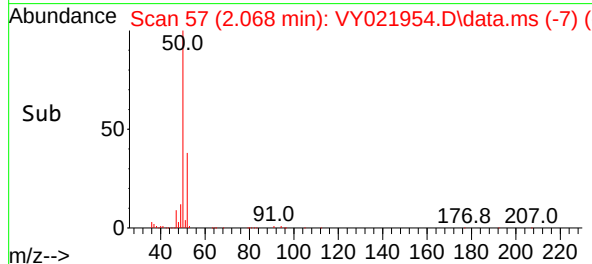
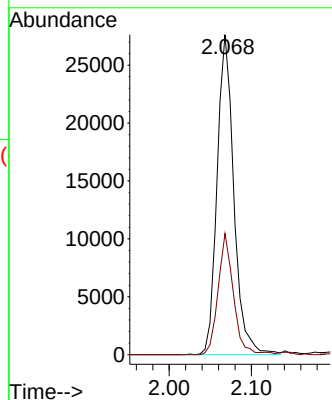
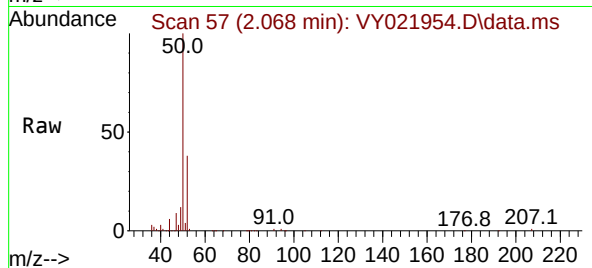
#3
Chloromethane
Concen: 11.052 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 39169
Ion Ratio Lower Upper
50 100
52 37.8 26.1 39.1

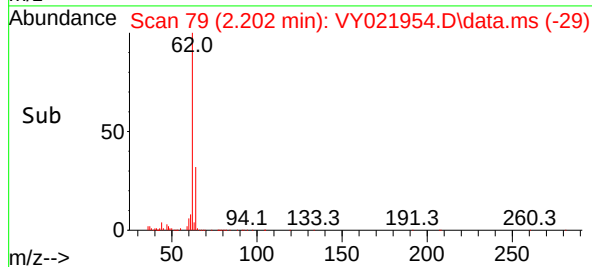
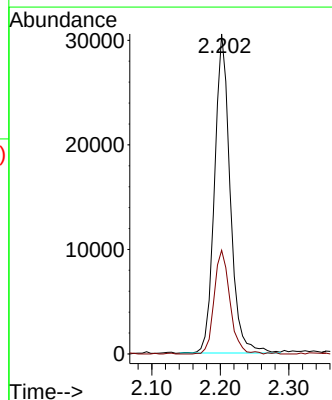
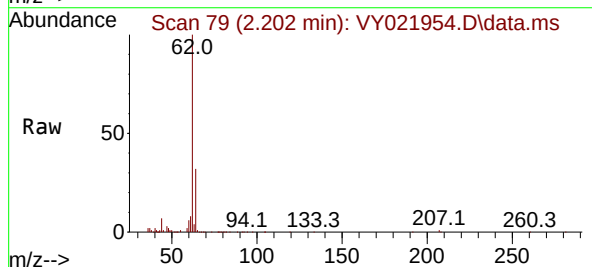
Manual Integrations
APPROVED

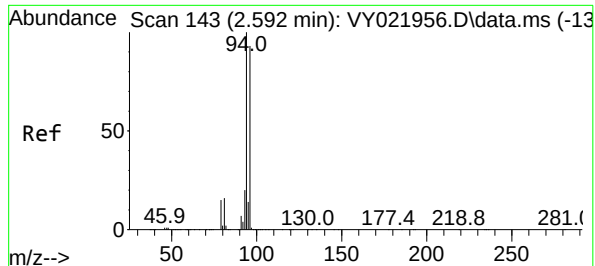
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 11.131 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 62 Resp: 48475
Ion Ratio Lower Upper
62 100
64 32.5 25.1 37.7





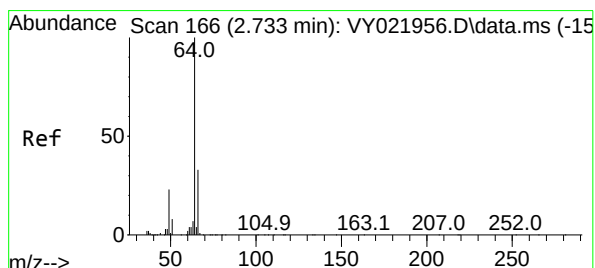
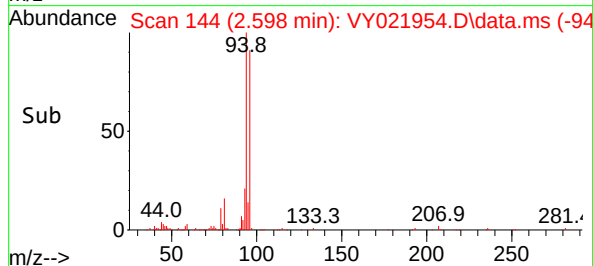
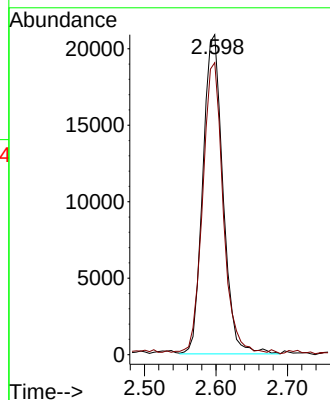
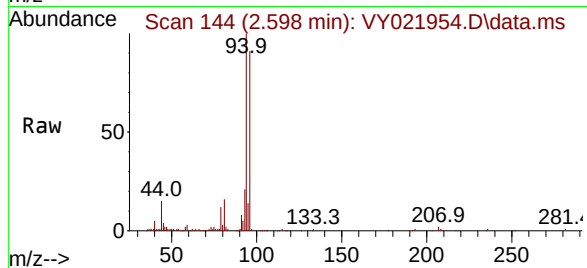
#5
Bromomethane
Concen: 10.859 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 94 Resp: 4074
Ion Ratio Lower Upper
94 100
96 91.1 74.6 111.8

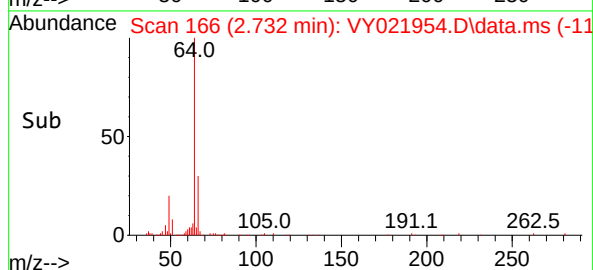
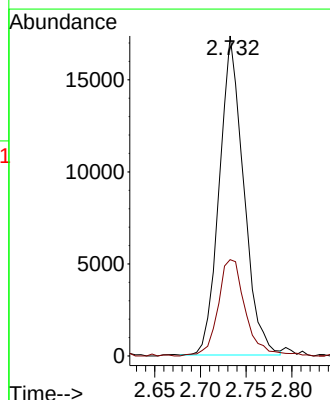
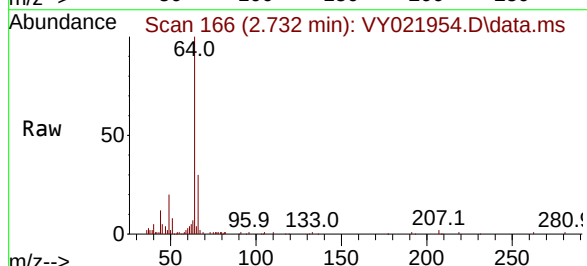
Manual Integrations
APPROVED

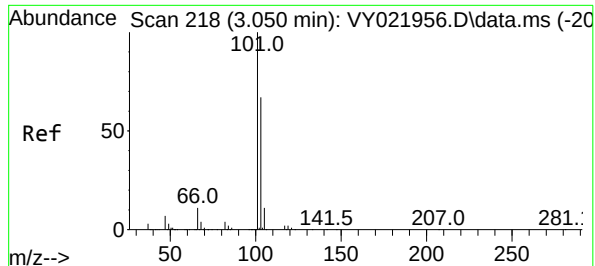
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 10.830 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 64 Resp: 32122
Ion Ratio Lower Upper
64 100
66 30.2 26.2 39.4





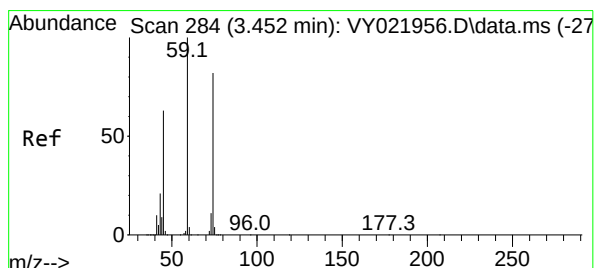
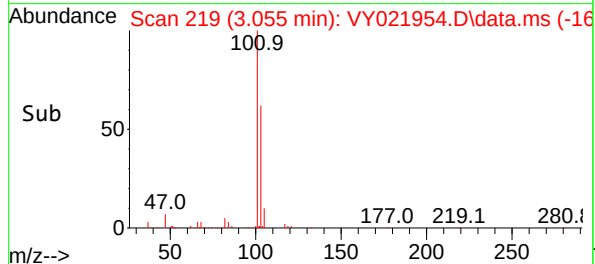
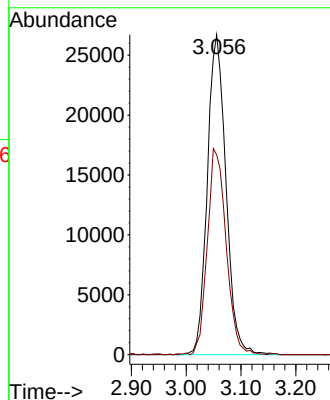
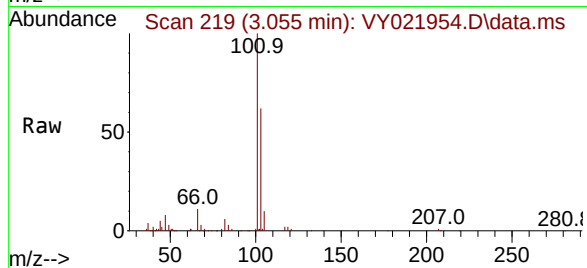
#7
Trichlorofluoromethane
Concen: 10.939 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 62819
Ion Ratio Lower Upper
101 100
103 62.4 53.6 80.4

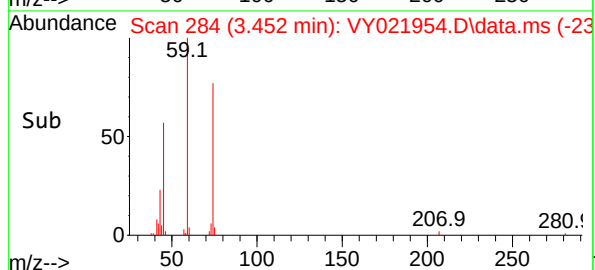
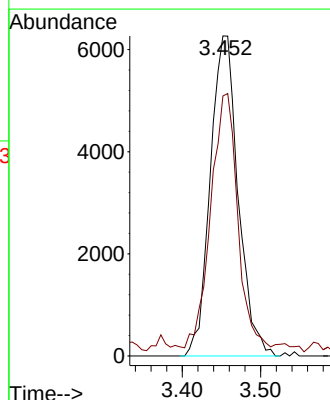
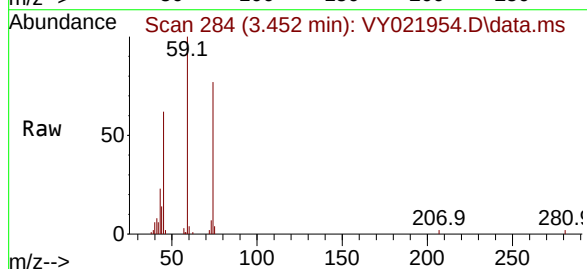
Manual Integrations
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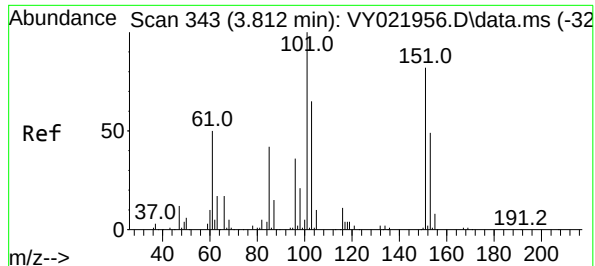
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 10.381 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 74 Resp: 15517
Ion Ratio Lower Upper
74 100
45 76.1 39.1 117.5





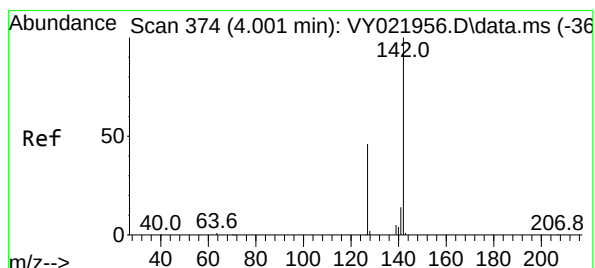
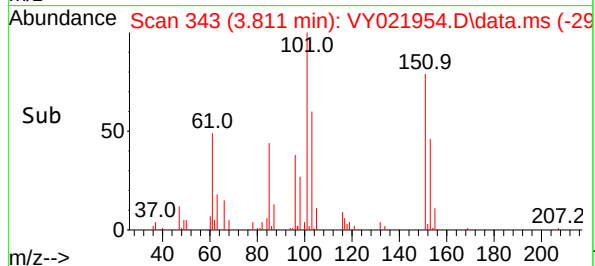
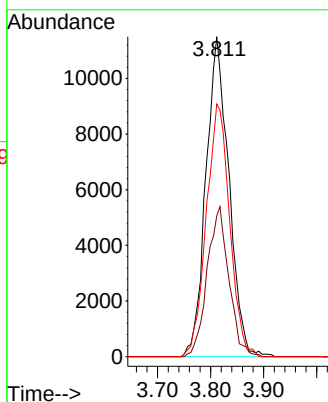
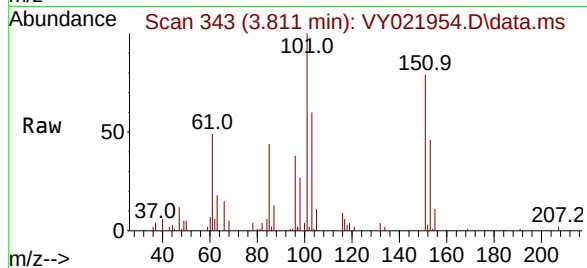
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.088 ug/l
RT: 3.811 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 3454
Ion Ratio Lower Upper
101 100
85 44.3 34.6 51.8
151 80.6 63.7 95.5

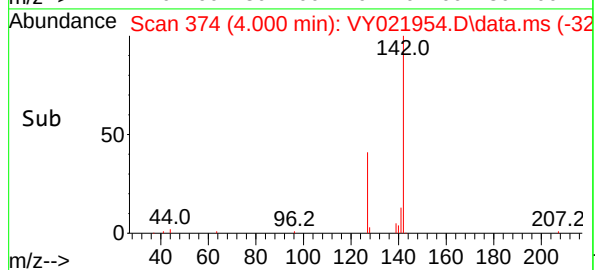
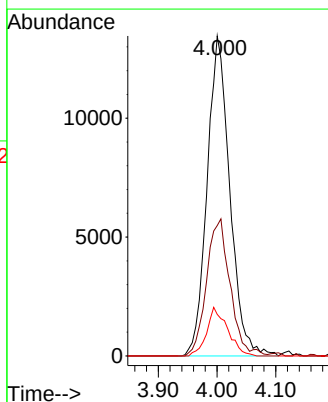
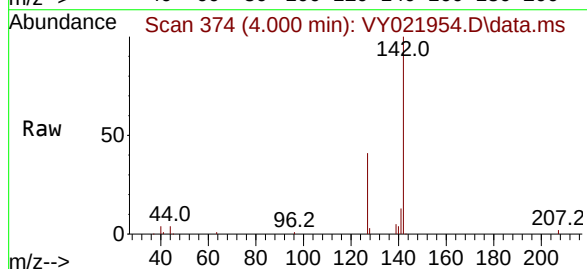
Manual Integrations
APPROVED

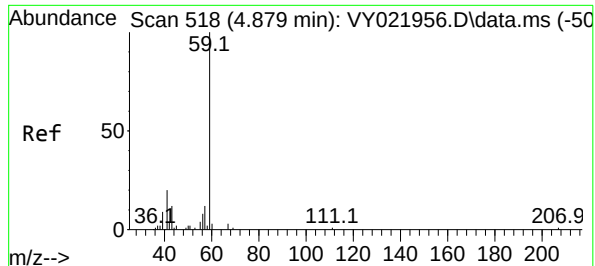
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 10.021 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:142 Resp: 36146
Ion Ratio Lower Upper
142 100
127 44.3 36.2 54.2
141 14.0 11.7 17.5





#11

Tert butyl alcohol

Concen: 47.846 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 708

Ion Ratio Lower Upper

59 100

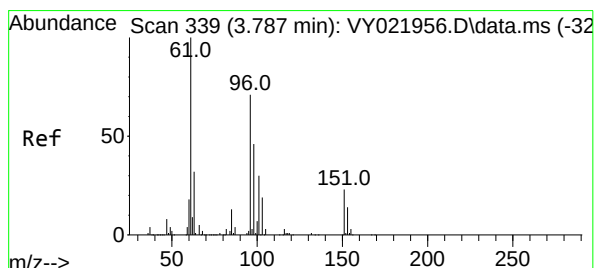
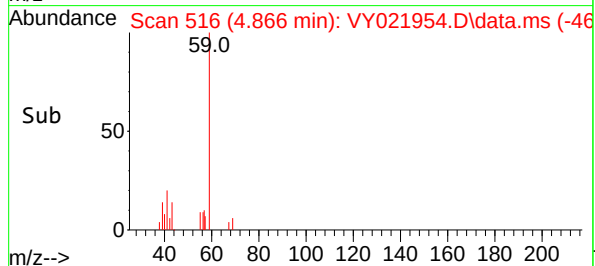
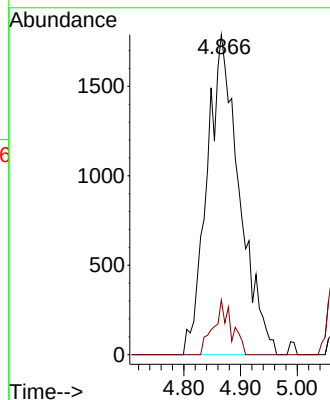
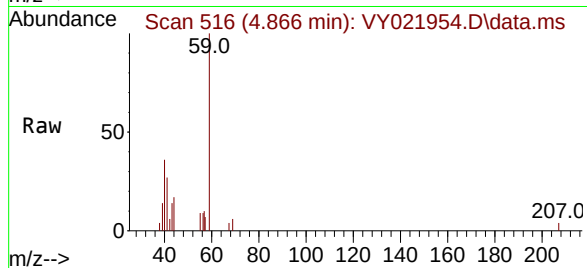
57 9.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 10.701 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

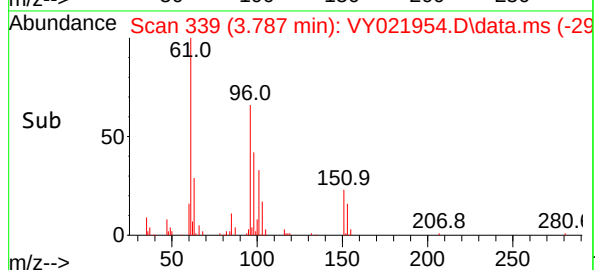
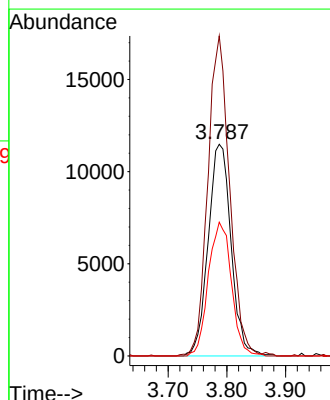
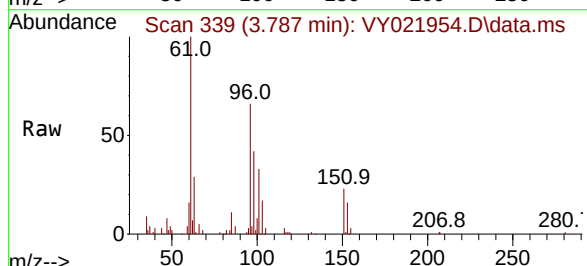
Tgt Ion: 96 Resp: 31073

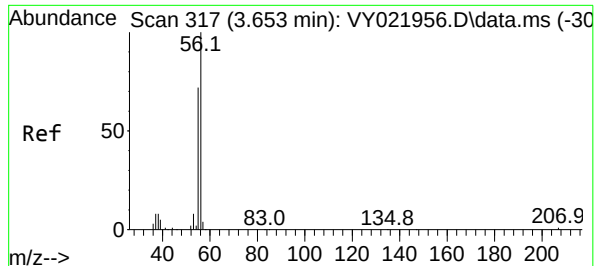
Ion Ratio Lower Upper

96 100

61 151.2 113.0 169.4

98 63.2 51.4 77.2





#13

Acrolein

Concen: 49.243 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 1309

Ion Ratio Lower Upper

56 100

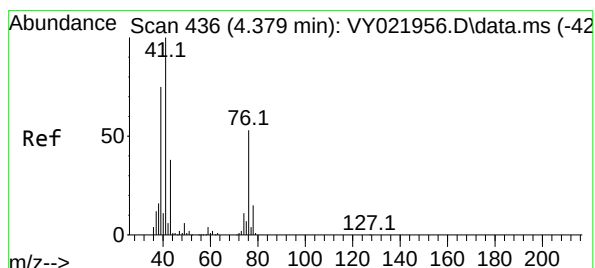
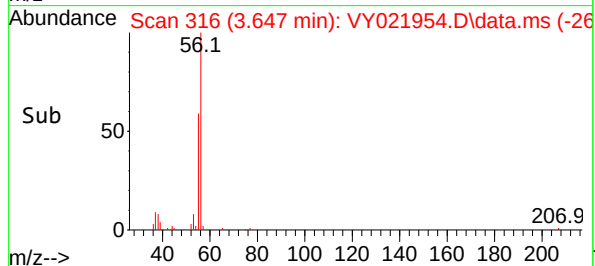
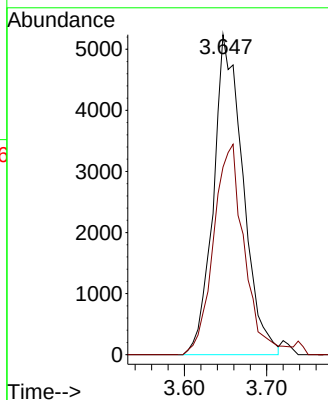
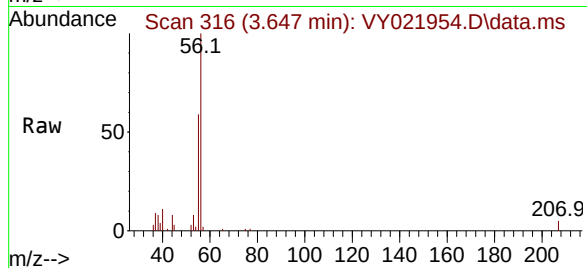
55 68.5 57.4 86.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 10.487 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

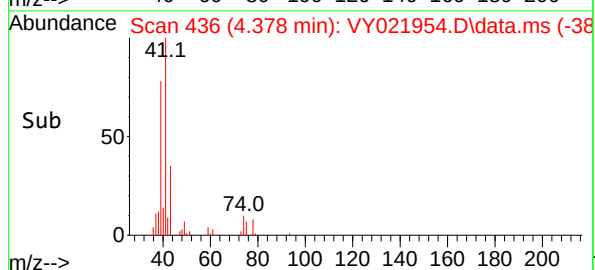
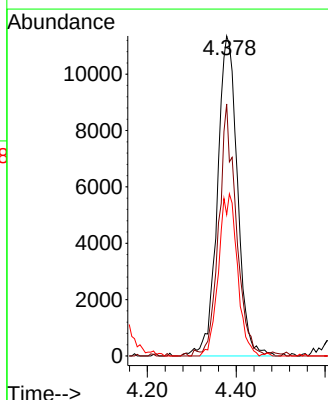
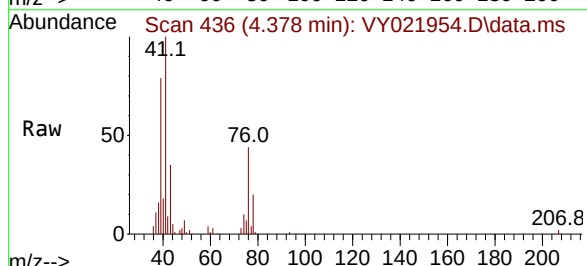
Tgt Ion: 41 Resp: 35457

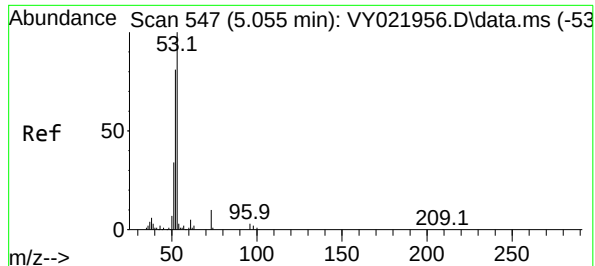
Ion Ratio Lower Upper

41 100

39 68.6 57.2 85.8

76 47.6 39.7 59.5





#15

Acrylonitrile

Concen: 48.088 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

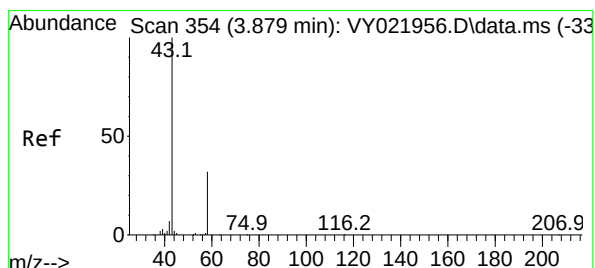
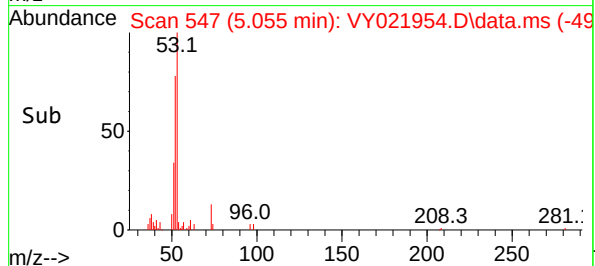
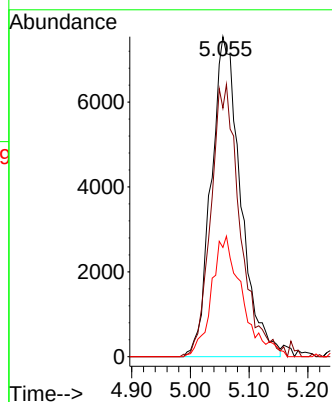
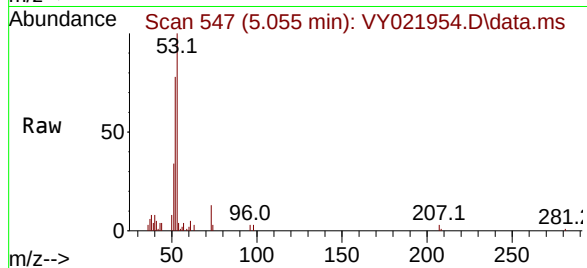
VSTDICC010

Tgt Ion:	53	Resp:	26314
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.0	97.6
51	39.3	28.9	43.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 52.492 ug/l

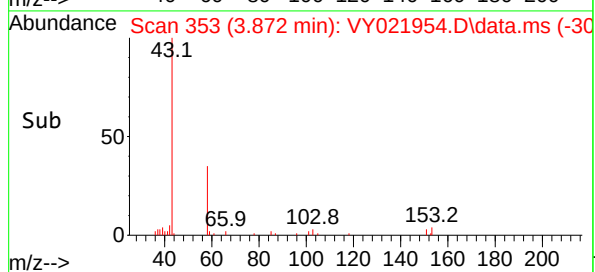
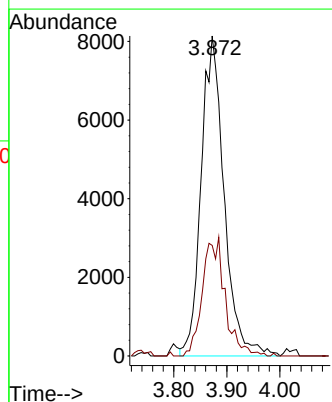
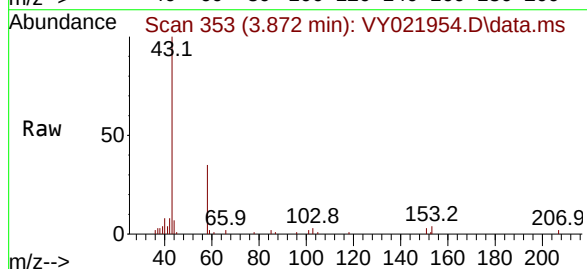
RT: 3.872 min Scan# 353

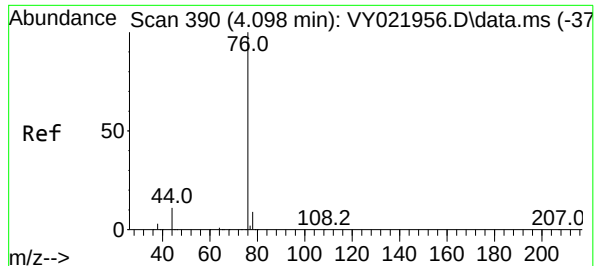
Delta R.T. -0.007 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	43	Resp:	24497
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4





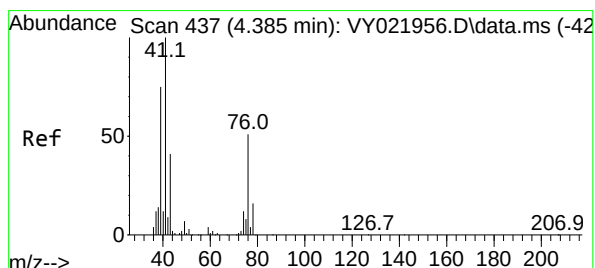
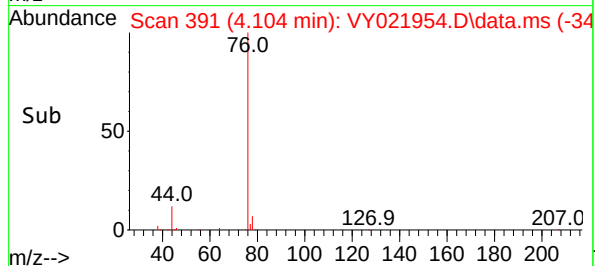
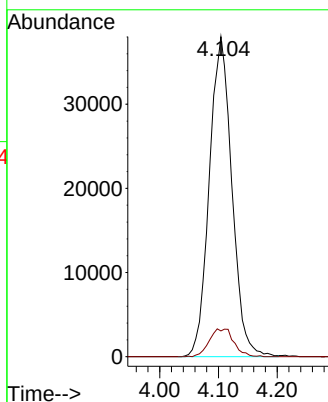
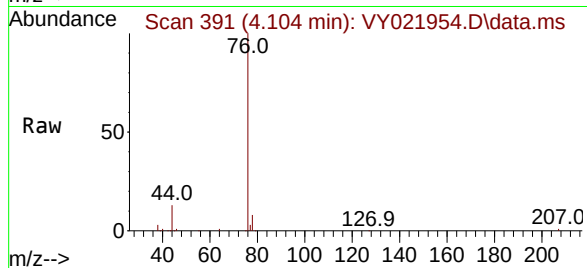
#17
Carbon Disulfide
Concen: 10.962 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 101490
Ion Ratio Lower Upper
76 100
78 8.0 7.6 11.4

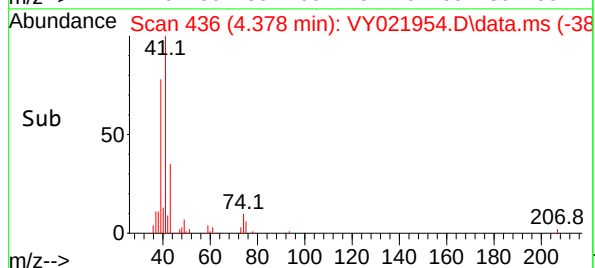
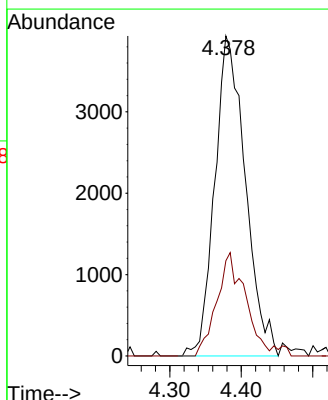
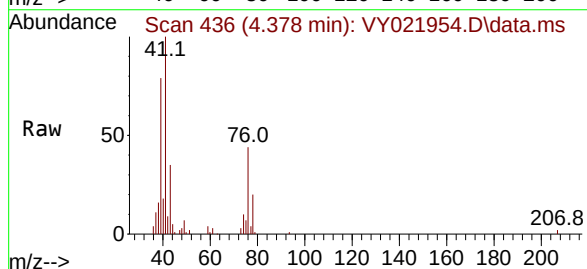
Manual Integrations
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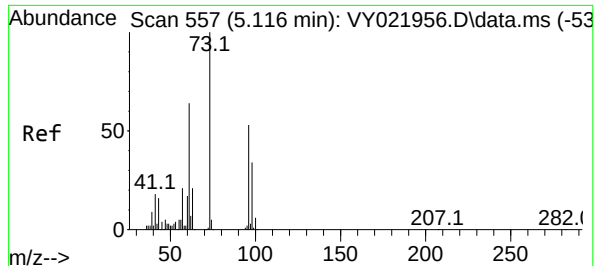
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 9.273 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 11687
Ion Ratio Lower Upper
43 100
74 29.9 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 9.587 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 62300

Ion Ratio Lower Upper

73 100

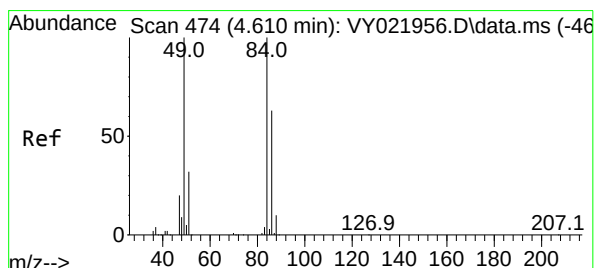
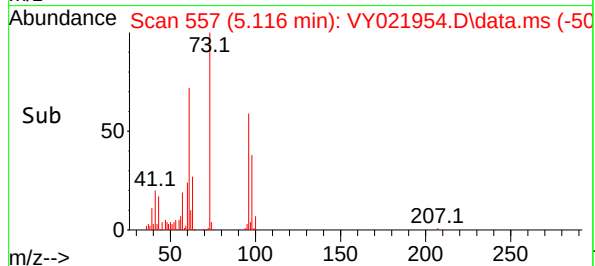
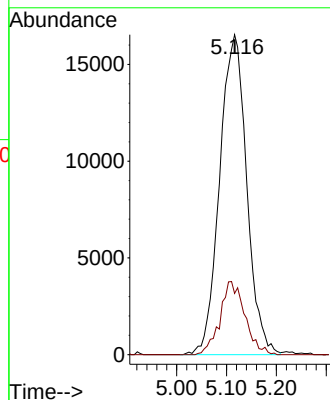
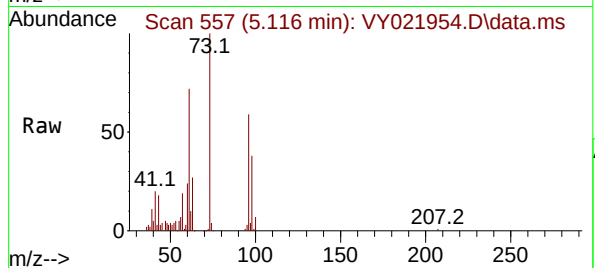
57 19.2 16.9 25.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 10.710 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 84 Resp: 36539

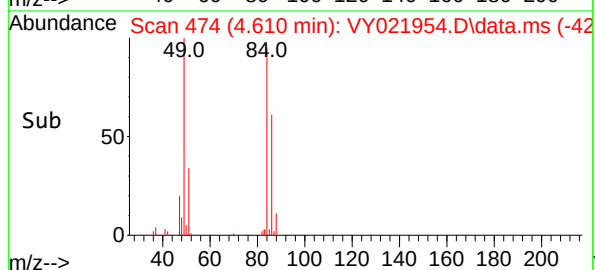
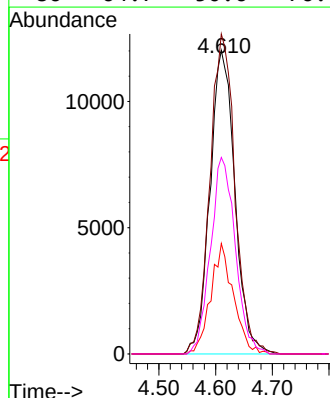
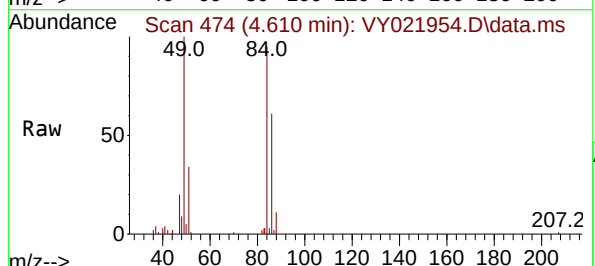
Ion Ratio Lower Upper

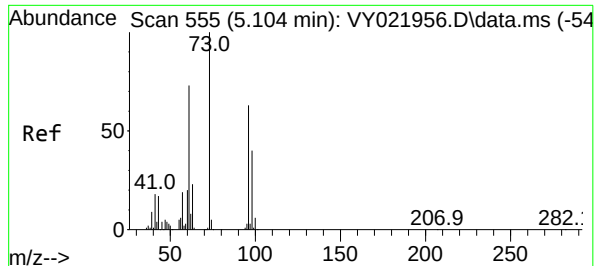
84 100

49 105.4 79.9 119.9

51 36.3 25.4 38.0

86 64.7 50.6 76.0





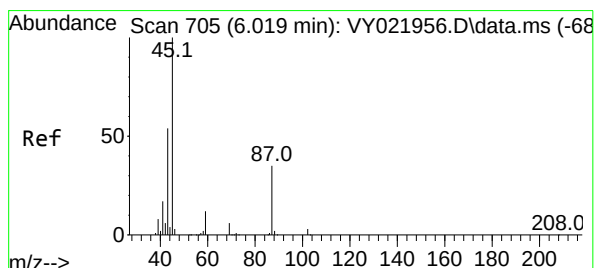
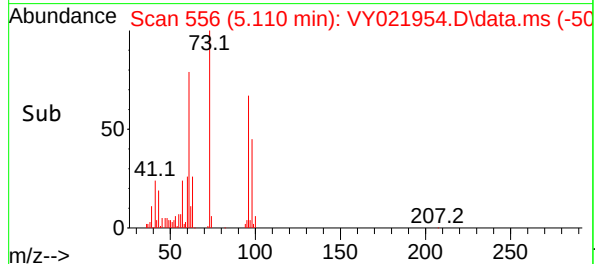
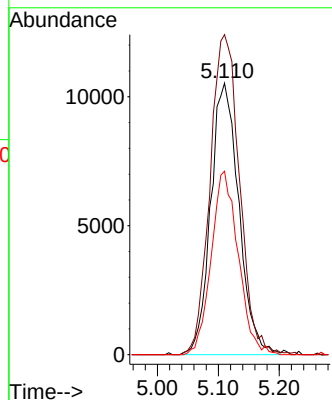
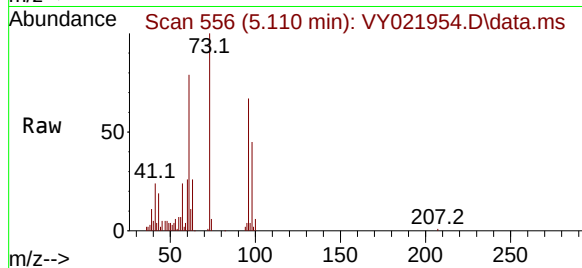
#21
trans-1,2-Dichloroethene
Concen: 10.379 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 33752
Ion Ratio Lower Upper
96 100
61 117.9 92.6 138.8
98 67.6 50.2 75.4

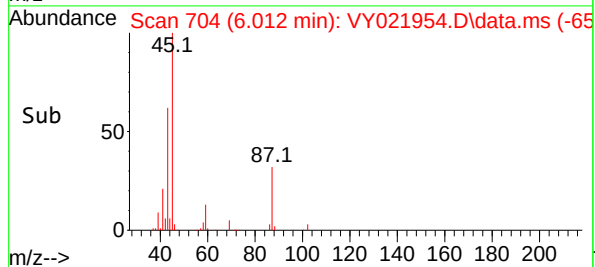
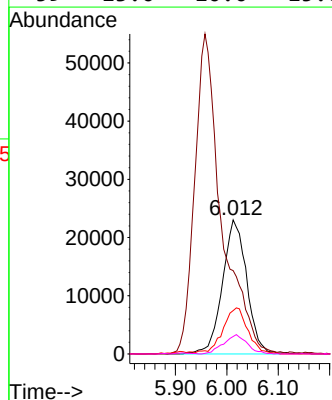
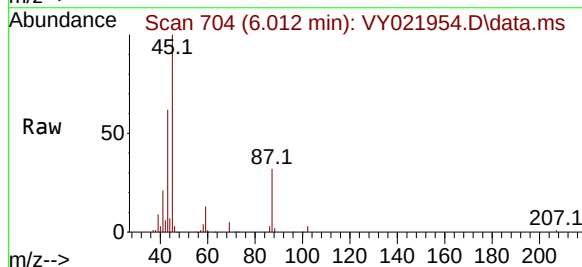
Manual Integrations
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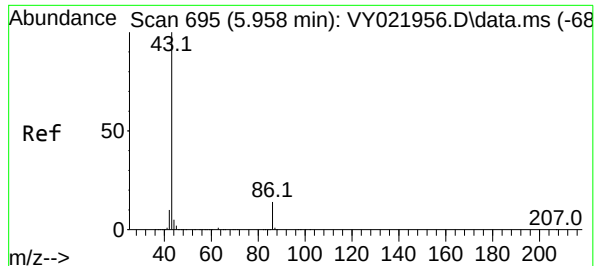
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22
Diisopropyl ether
Concen: 10.028 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 45 Resp: 75451
Ion Ratio Lower Upper
45 100
43 60.5 43.6 65.4
87 32.4 28.2 42.4
59 13.0 10.0 15.0





#23

Vinyl Acetate

Concen: 49.260 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 19975

Ion Ratio Lower Upper

43 100

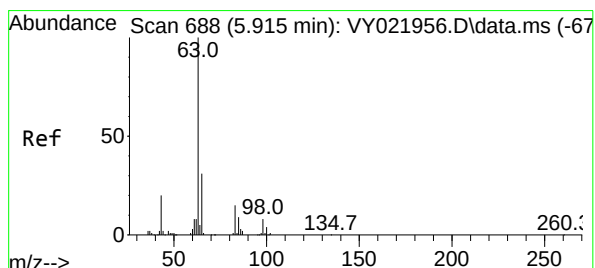
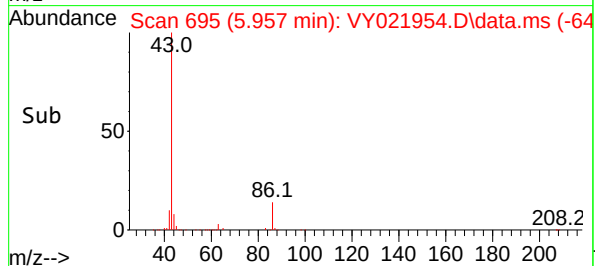
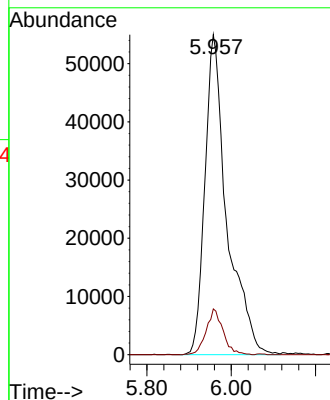
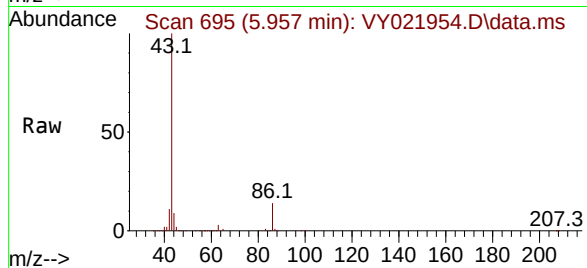
86 14.3 11.1 16.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 10.558 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

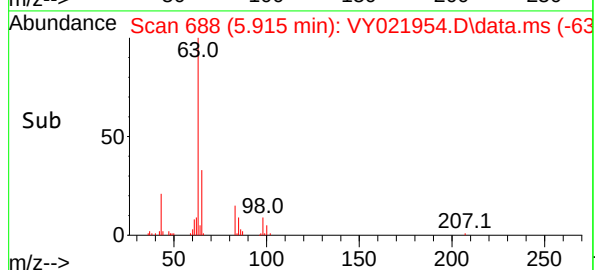
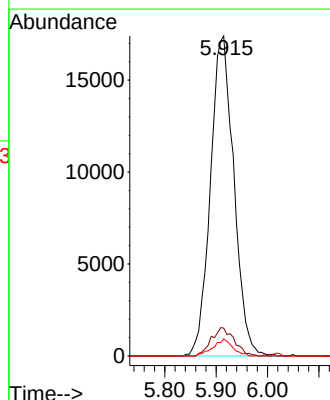
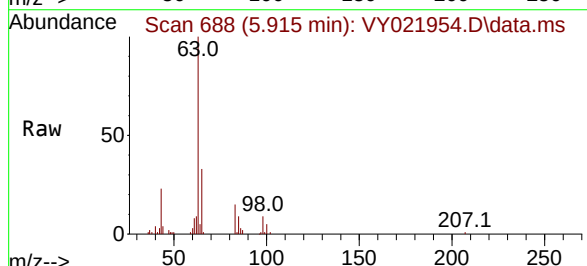
Tgt Ion: 63 Resp: 55067

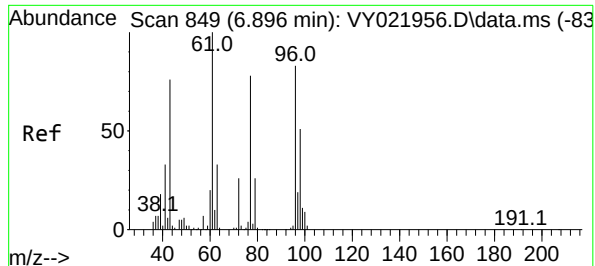
Ion Ratio Lower Upper

63 100

98 8.7 4.0 11.9

100 5.3 2.0 6.0





#25

2-Butanone

Concen: 50.973 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 31349

Ion Ratio Lower Upper

43 100

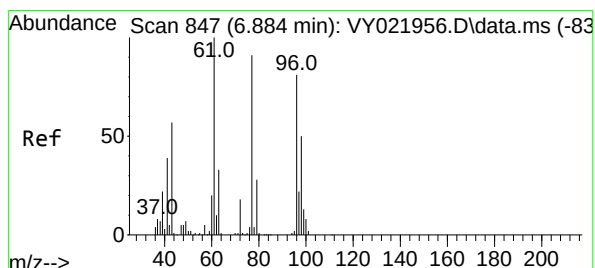
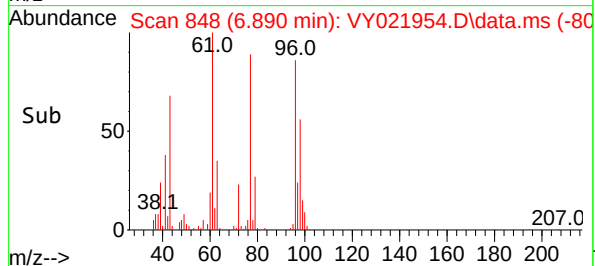
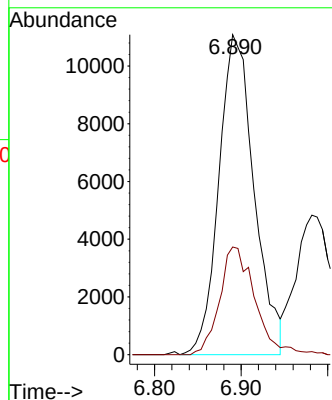
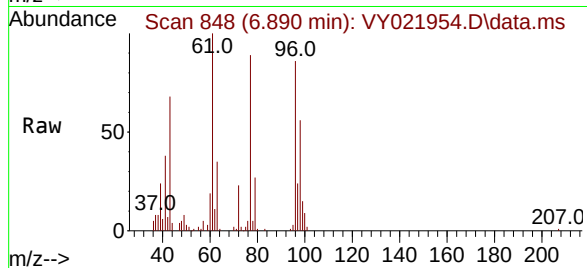
72 33.6 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 10.610 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021954.D

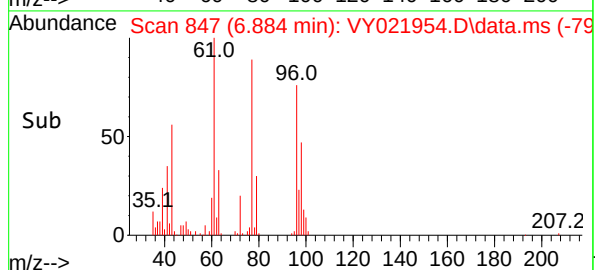
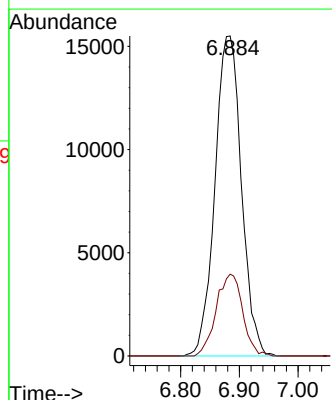
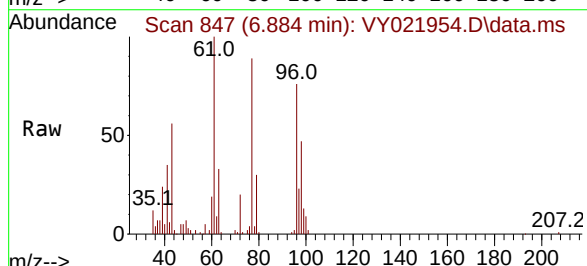
Acq: 22 Apr 2025 14:44

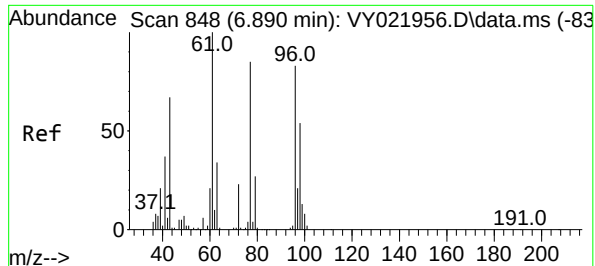
Tgt Ion: 77 Resp: 48501

Ion Ratio Lower Upper

77 100

97 25.5 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 10.253 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

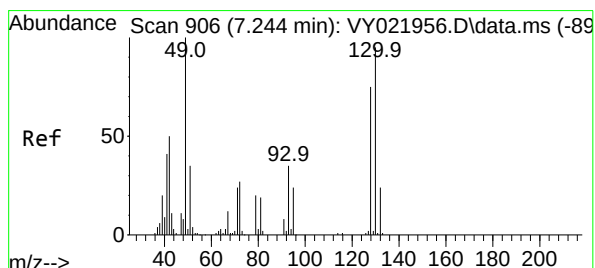
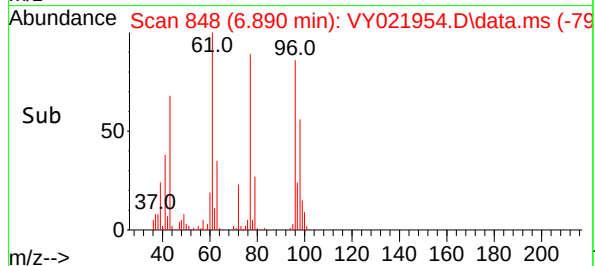
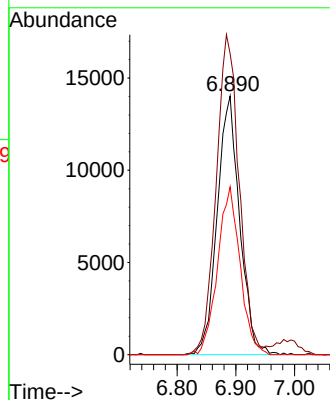
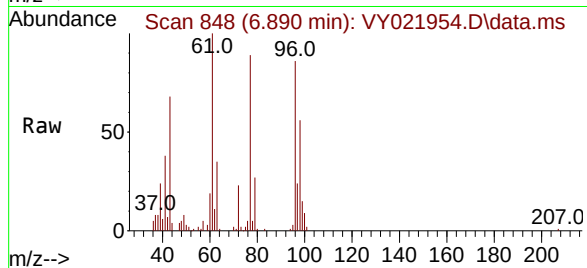
Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 96	Resp: 3728
Ion Ratio	Lower Upper
96 100	
61 126.6	0.0 251.4
98 65.1	0.0 128.4

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

#28

Bromochloromethane

Concen: 10.426 ug/l

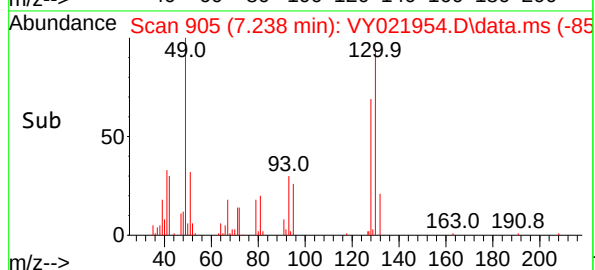
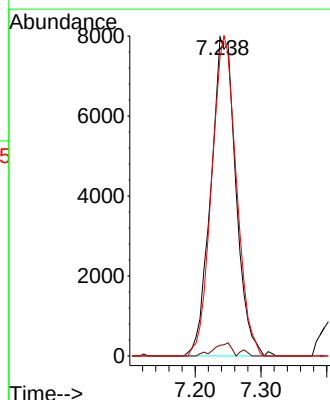
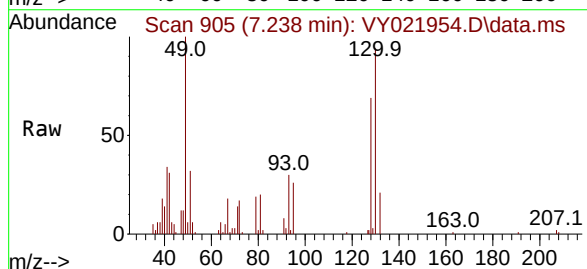
RT: 7.238 min Scan# 905

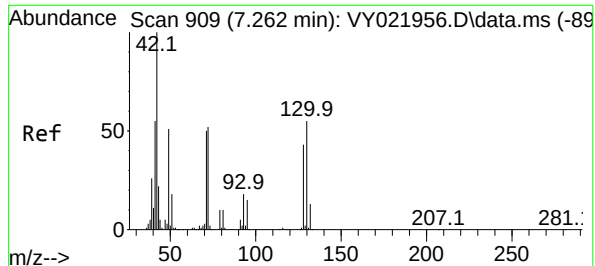
Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 49	Resp: 21122
Ion Ratio	Lower Upper
49 100	
129 2.8	0.0 5.0
130 98.7	78.2 117.4





#29

Tetrahydrofuran

Concen: 47.274 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 42 Resp: 1888

Ion Ratio Lower Upper

42 100

72 53.0 42.6 63.8

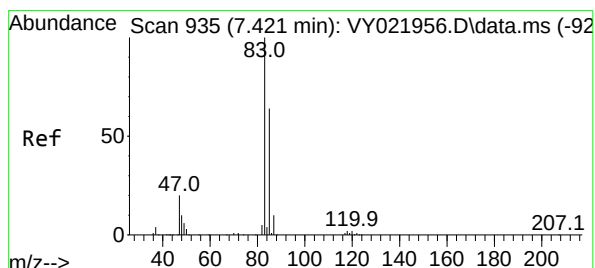
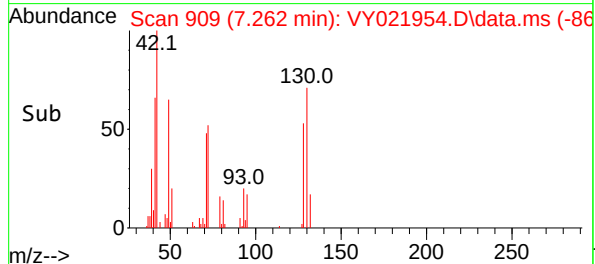
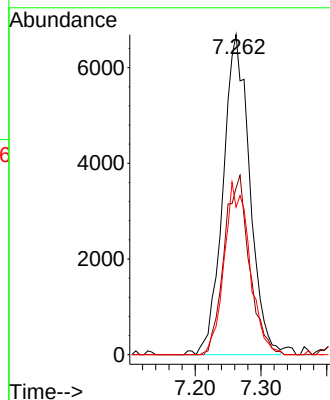
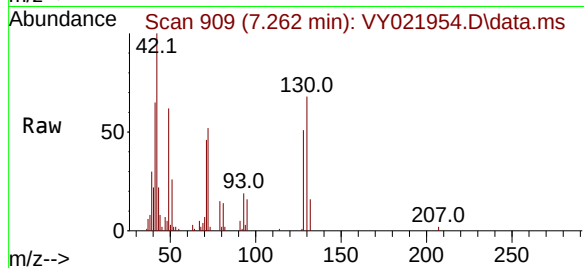
71 51.0 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 10.559 ug/l

RT: 7.414 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY021954.D

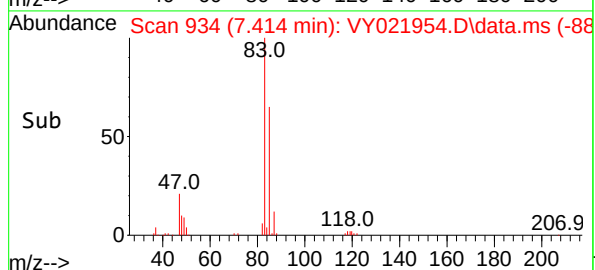
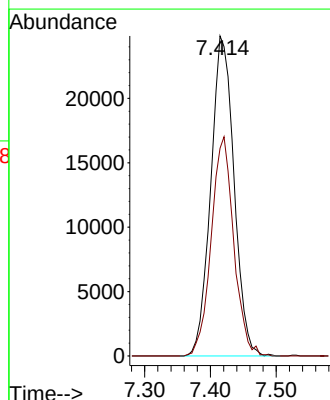
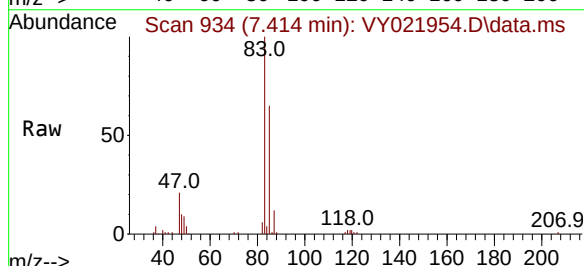
Acq: 22 Apr 2025 14:44

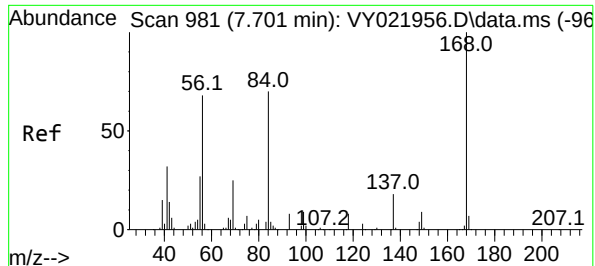
Tgt Ion: 83 Resp: 61088

Ion Ratio Lower Upper

83 100

85 64.9 51.3 76.9





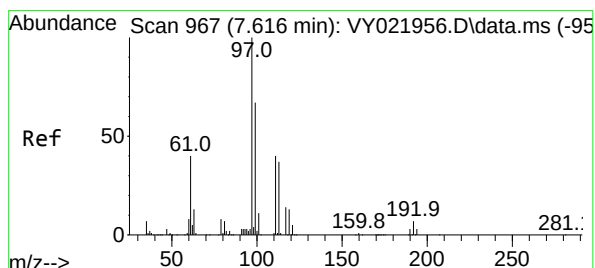
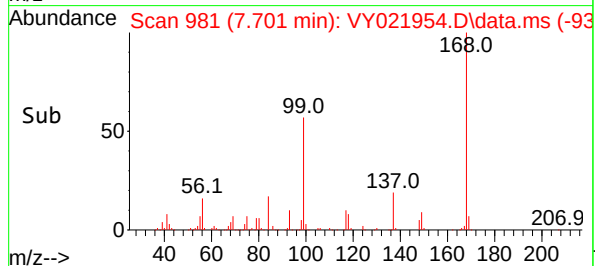
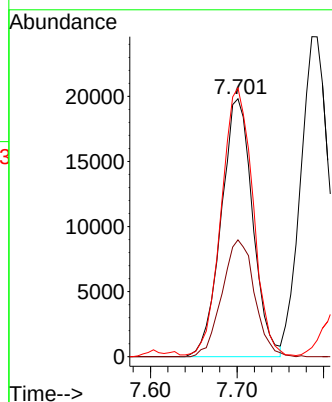
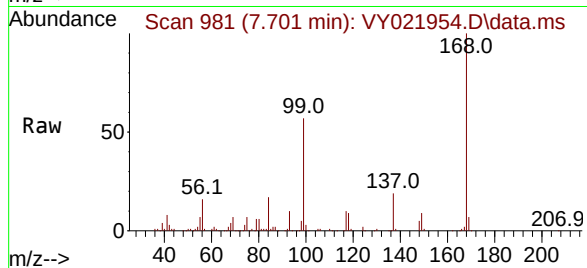
#31
Cyclohexane
Concen: 11.229 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 5008
Ion Ratio Lower Upper
56 100
69 45.3 29.4 44.2
84 103.5 82.2 123.4

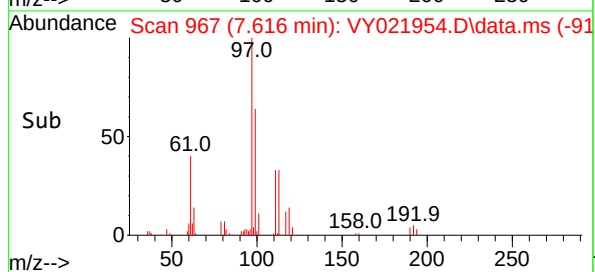
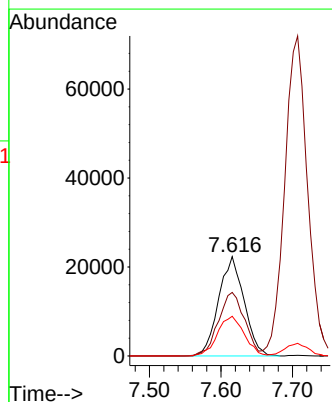
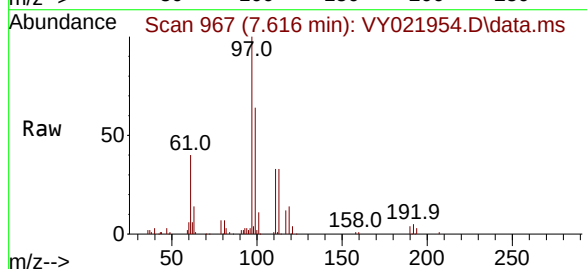
Manual Integrations
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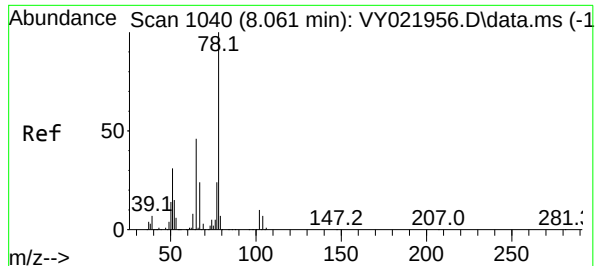
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#32
1,1,1-Trichloroethane
Concen: 10.540 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 97 Resp: 55163
Ion Ratio Lower Upper
97 100
99 65.5 51.4 77.2
61 42.0 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 10.325 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 27850

Ion Ratio Lower Upper

65 100

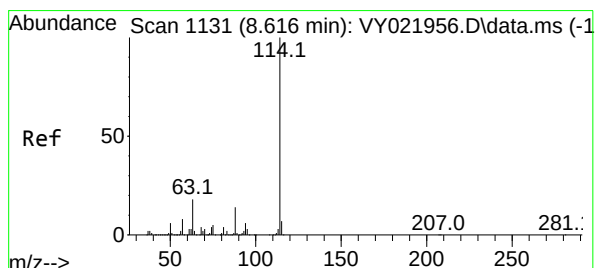
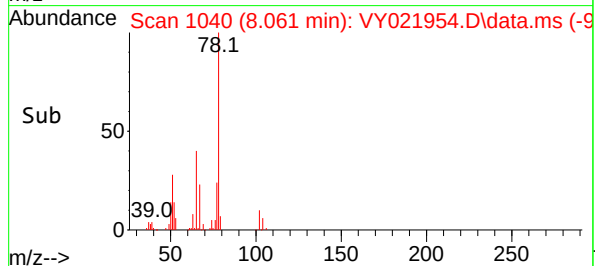
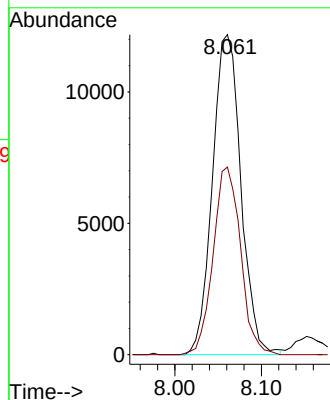
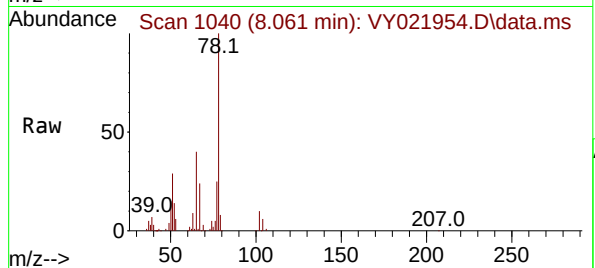
67 56.4 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

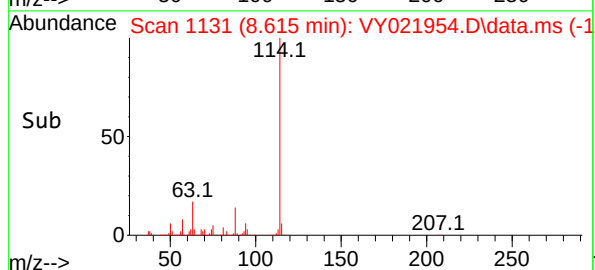
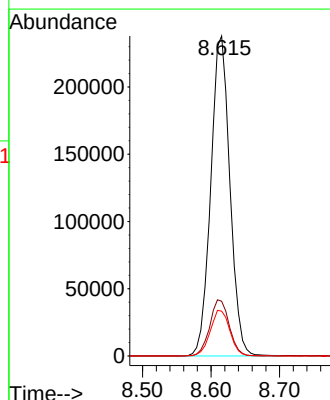
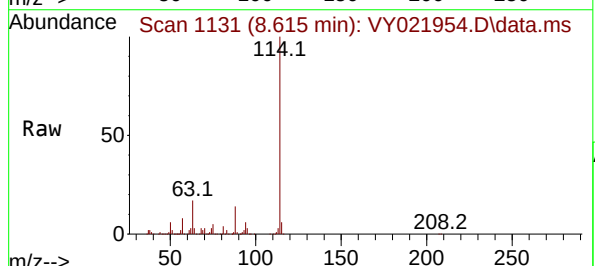
Tgt Ion:114 Resp: 462235

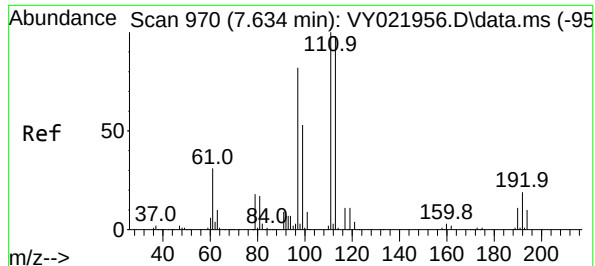
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 10.335 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 31560

Ion Ratio Lower Upper

113 100

111 98.0 81.8 122.8

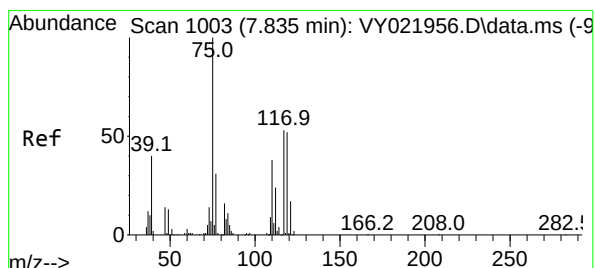
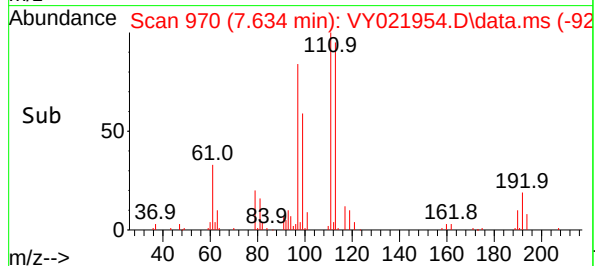
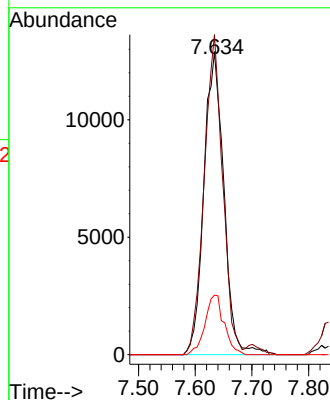
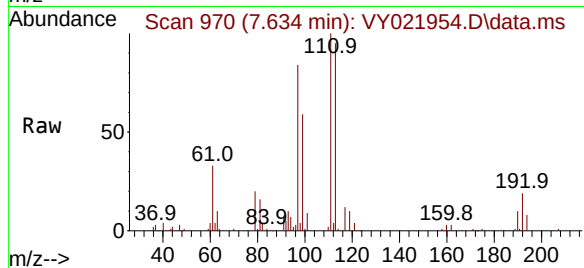
192 18.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 10.604 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

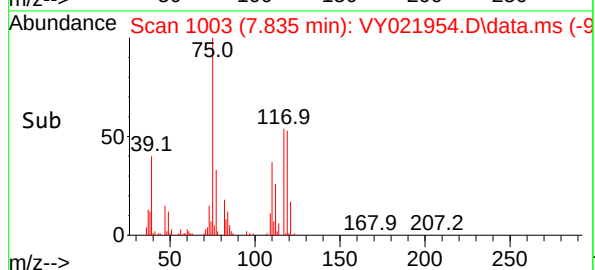
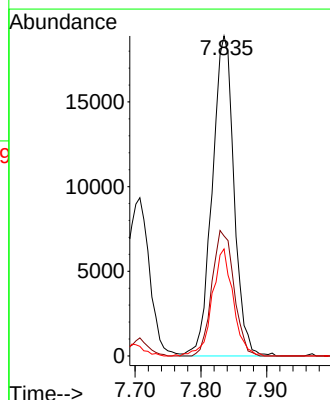
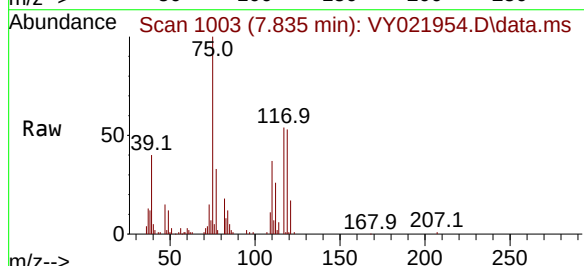
Tgt Ion: 75 Resp: 43496

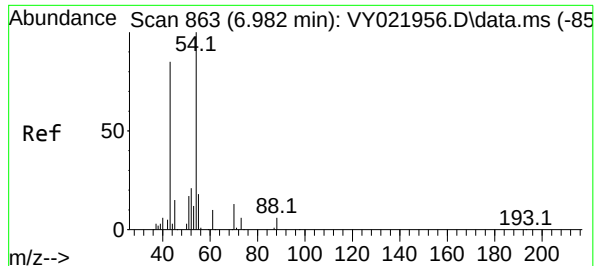
Ion Ratio Lower Upper

75 100

110 39.7 19.1 57.3

77 32.3 25.5 38.3





#37

Ethyl Acetate

Concen: 10.248 ug/l m

RT: 6.982 min Scan# 8

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

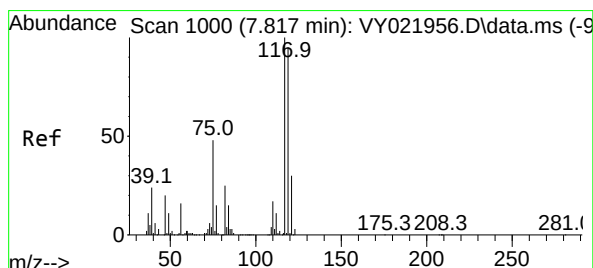
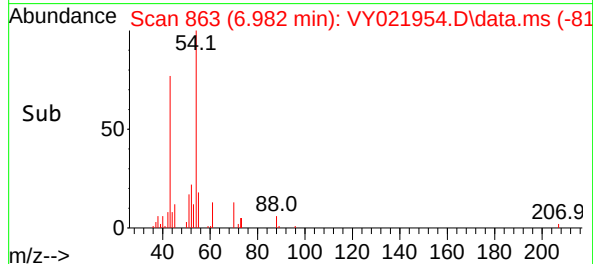
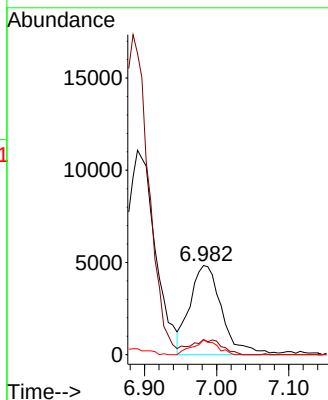
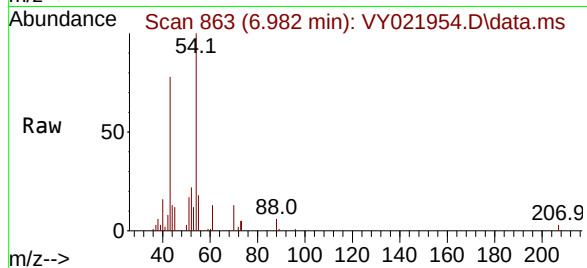
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	1489
Ion	Ratio	Lower	Upper
43	100		
61	14.7	13.8	20.6
70	12.6	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 10.625 ug/l

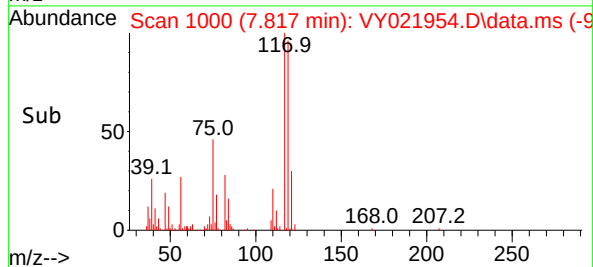
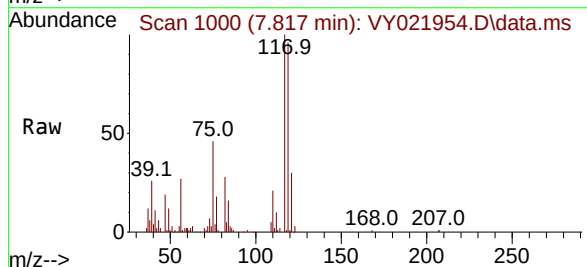
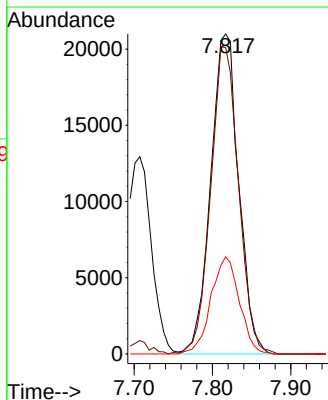
RT: 7.817 min Scan# 1000

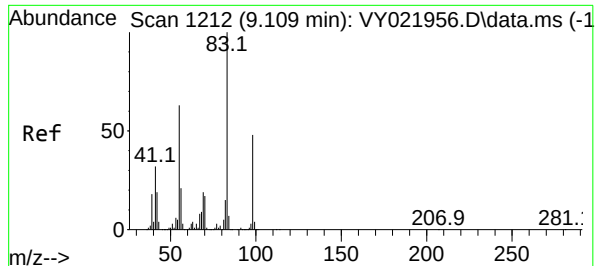
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	117	Resp:	52079
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.4
121	30.4	24.0	36.0





#39

Methylcyclohexane

Concen: 10.194 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

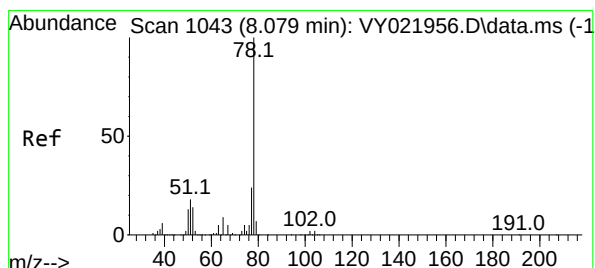
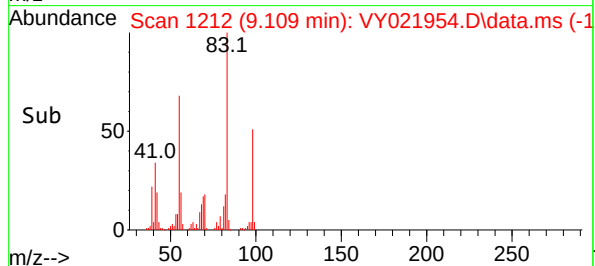
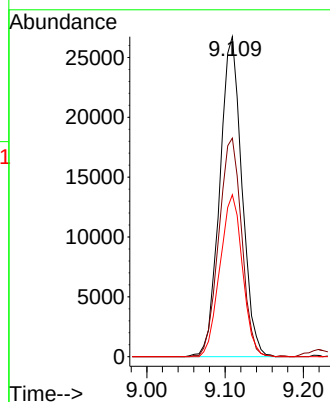
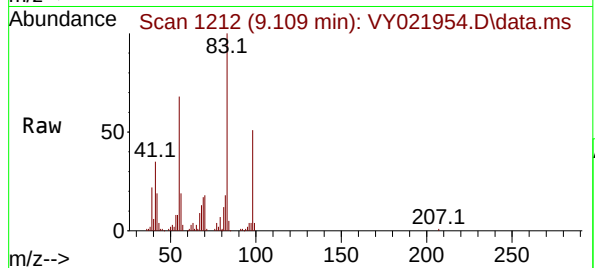
VSTDIC010

Tgt Ion:	83	Resp:	5262
Ion	Ratio	Lower	Upper
83	100		
55	68.3	50.6	75.8
98	50.6	38.6	58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 10.373 ug/l

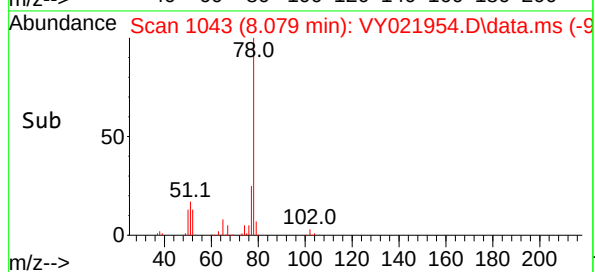
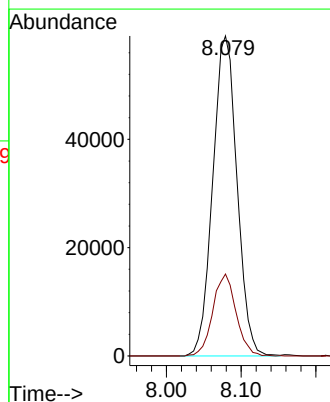
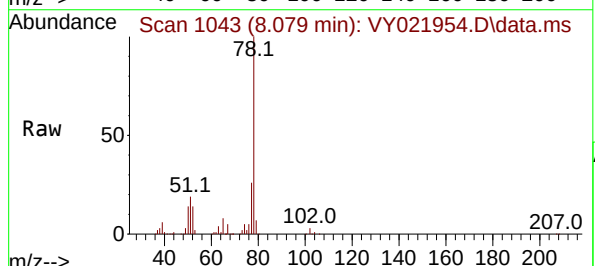
RT: 8.079 min Scan# 1043

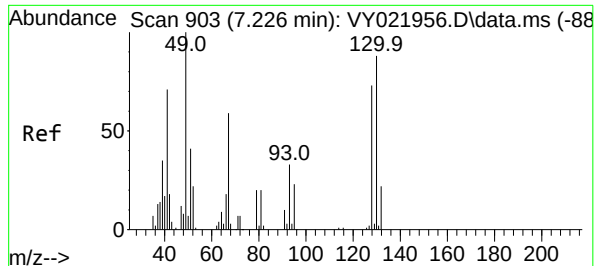
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	78	Resp:	133010
Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.3	28.9





#41

Methacrylonitrile

Concen: 9.813 ug/l m

RT: 7.225 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY021954.D

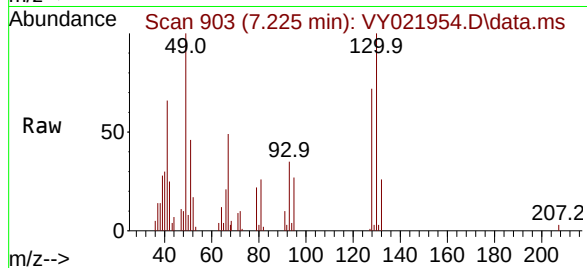
Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010



Tgt Ion: 41 Resp: 7900

Ion Ratio Lower Upper

41 100

39 40.9 36.6 55.0

67 85.1 72.2 108.4

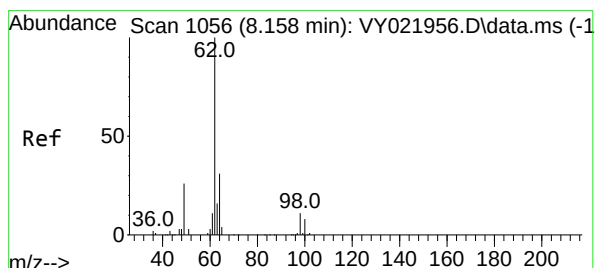
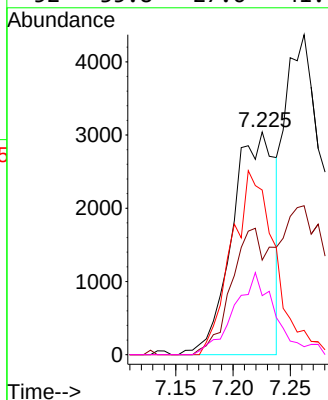
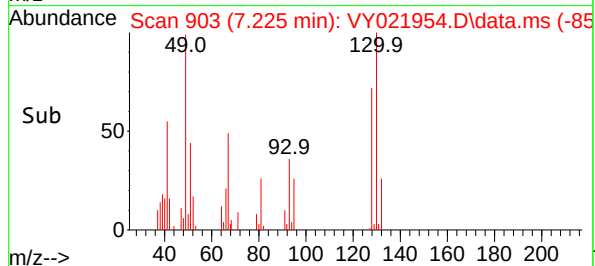
52 35.8 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#42

1,2-Dichloroethane

Concen: 10.690 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VY021954.D

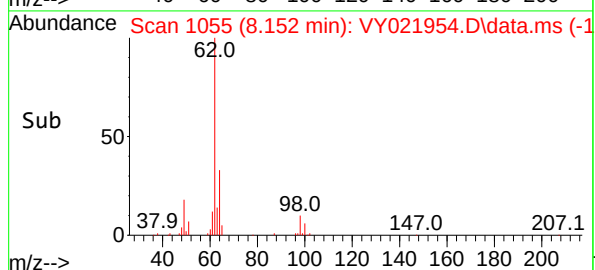
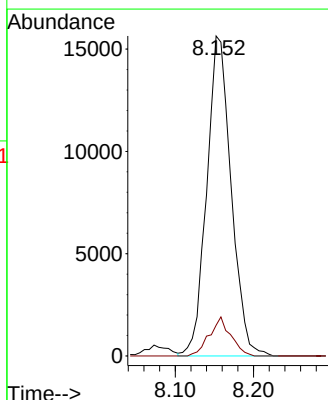
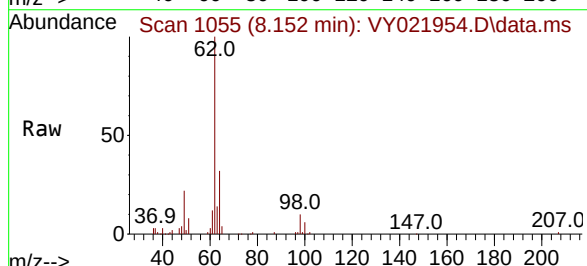
Acq: 22 Apr 2025 14:44

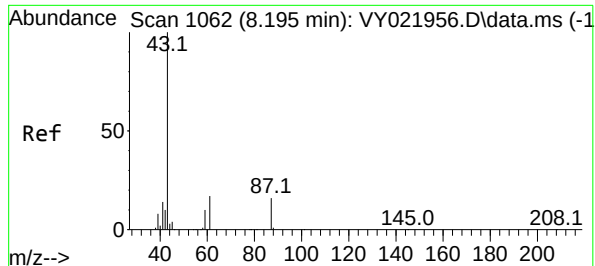
Tgt Ion: 62 Resp: 33939

Ion Ratio Lower Upper

62 100

98 10.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 9.574 ug/l

RT: 8.195 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

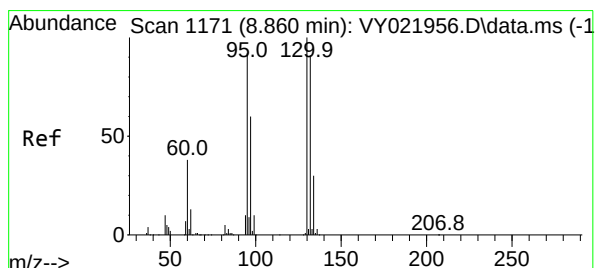
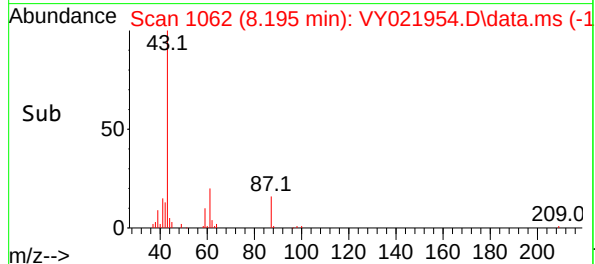
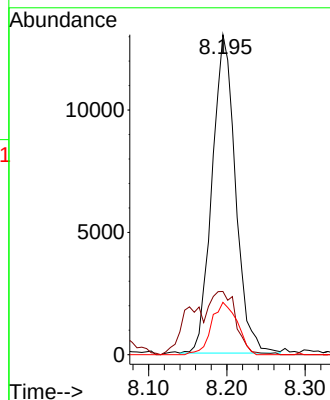
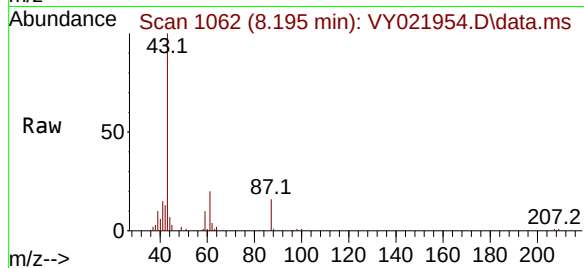
VSTDICC010

Tgt Ion:	43	Resp:	2708
Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.9	28.3
87	18.1	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 10.534 ug/l

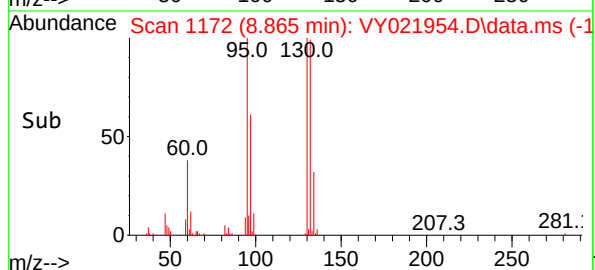
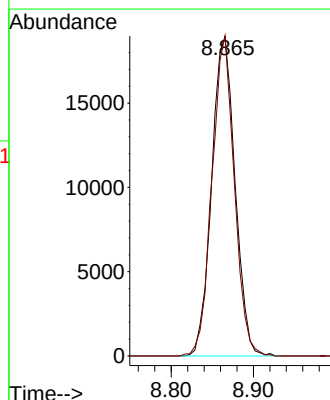
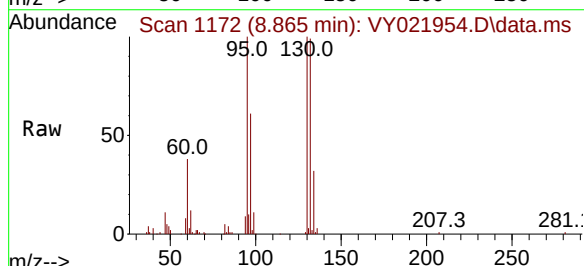
RT: 8.865 min Scan# 1172

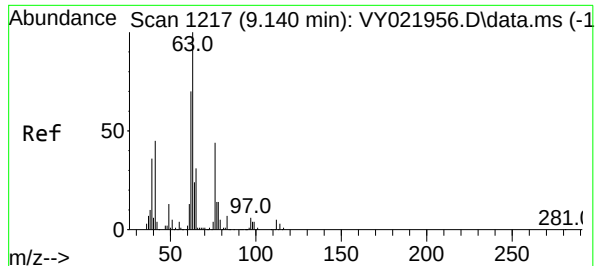
Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	130	Resp:	37414
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	183.2





#45

1,2-Dichloropropane

Concen: 10.342 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2932

Ion Ratio Lower Upper

63 100

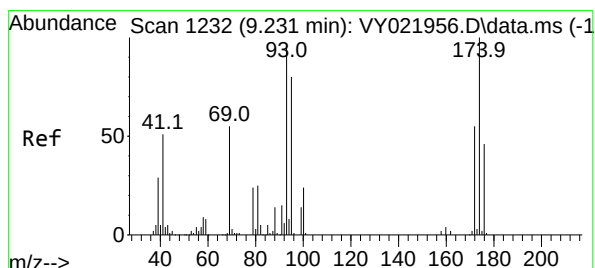
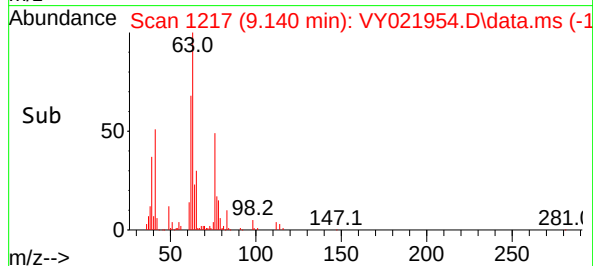
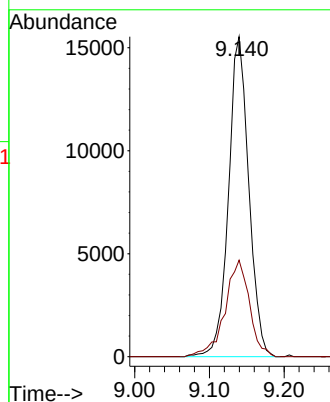
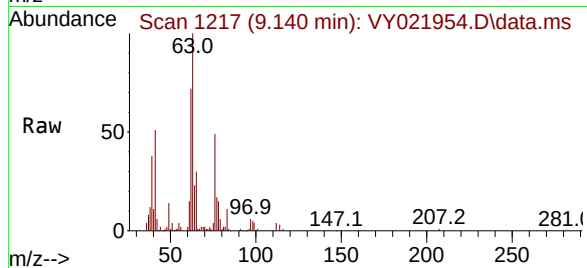
65 30.2 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 10.055 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

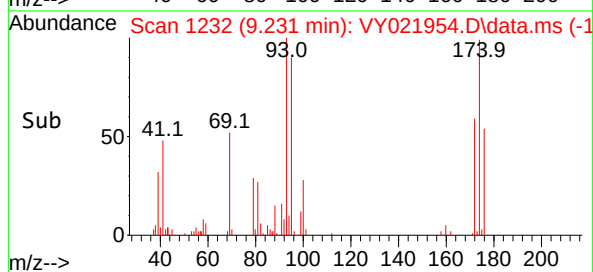
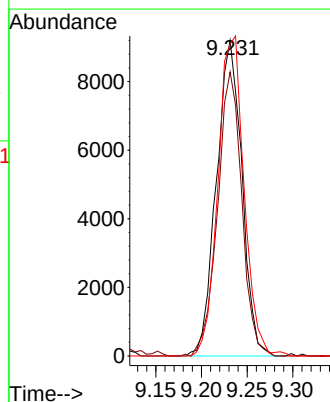
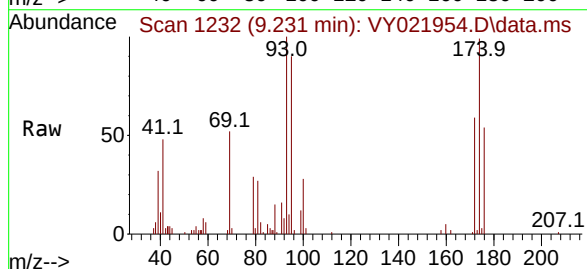
Tgt Ion: 93 Resp: 17848

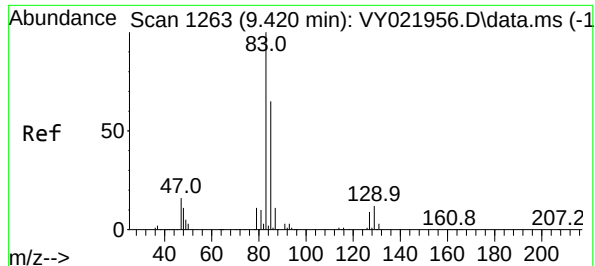
Ion Ratio Lower Upper

93 100

95 85.7 66.7 100.1

174 103.7 84.6 127.0





#47

Bromodichloromethane

Concen: 10.498 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

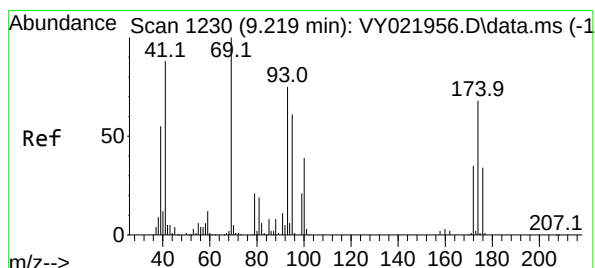
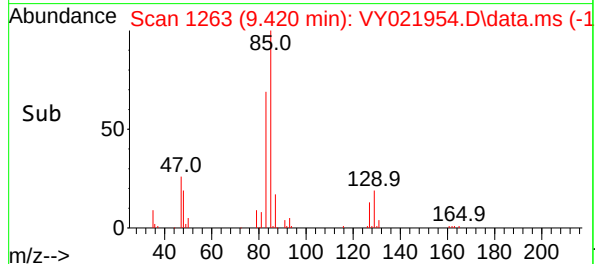
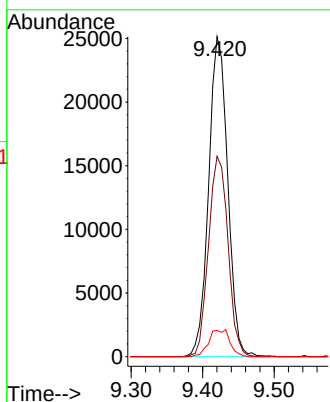
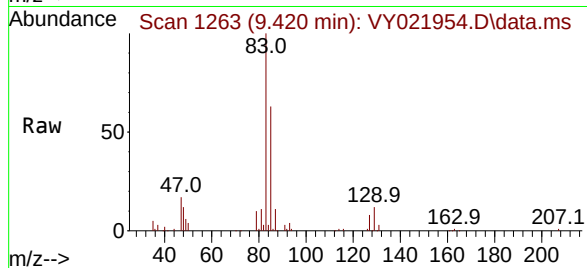
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	4655
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.8
127	8.2	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 9.202 ug/l

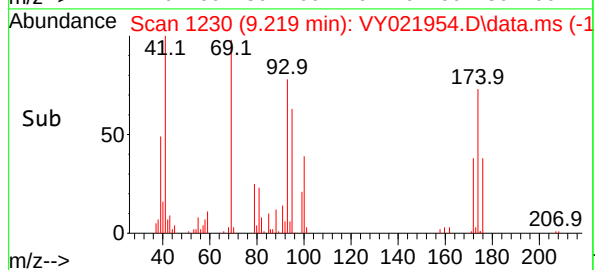
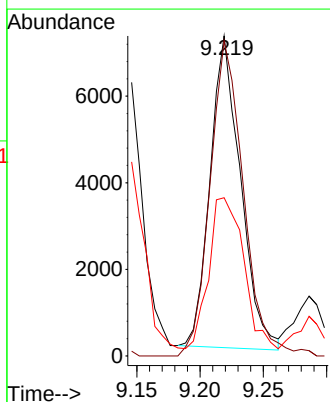
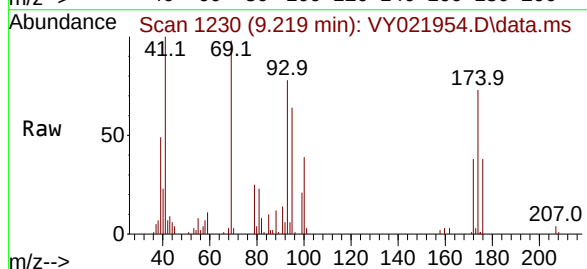
RT: 9.219 min Scan# 1230

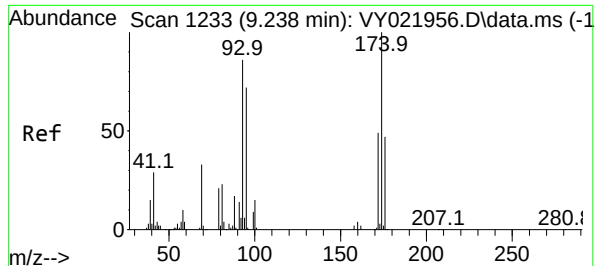
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	41	Resp:	12035
Ion	Ratio	Lower	Upper
41	100		
69	111.3	85.5	128.3
39	56.4	46.2	69.4





#49

1,4-Dioxane

Concen: 199.843 ug/l

RT: 9.231 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

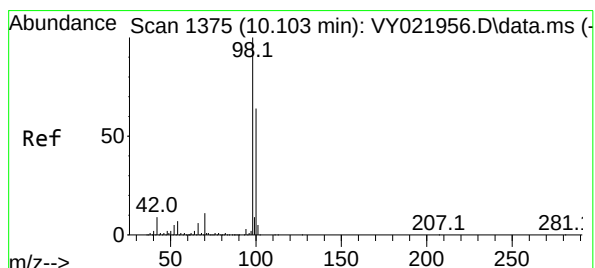
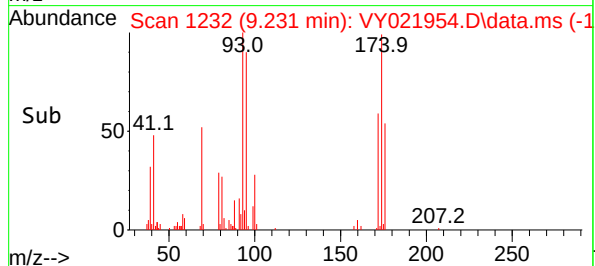
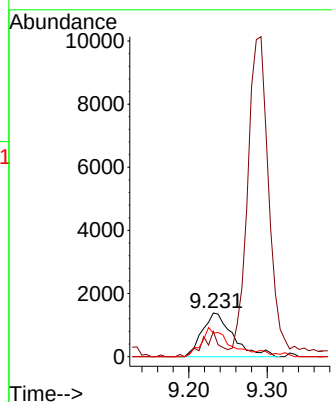
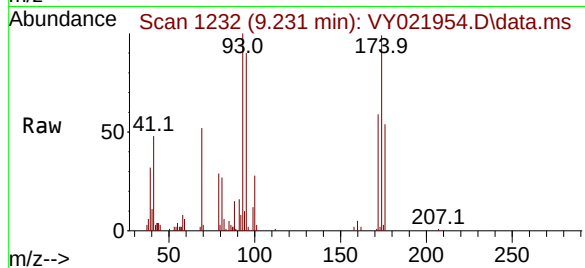
VSTDIC010

Tgt Ion:	88	Resp:	378
Ion	Ratio	Lower	Upper
88	100		
43	32.0	21.3	31.9
58	64.2	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 10.118 ug/l

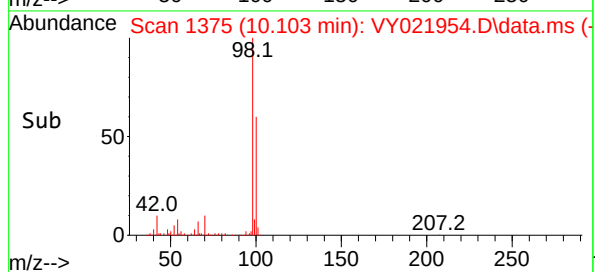
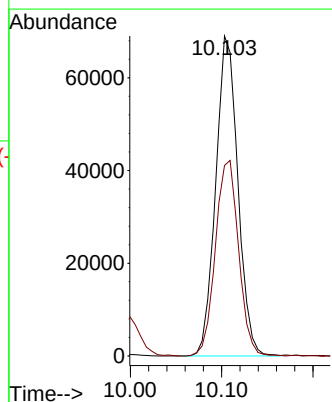
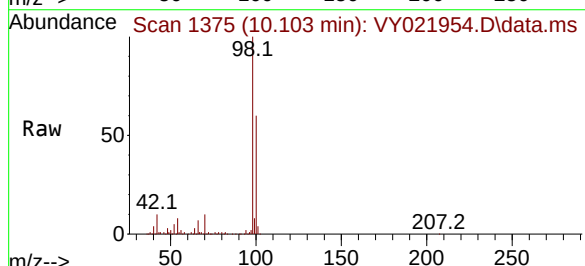
RT: 10.103 min Scan# 1375

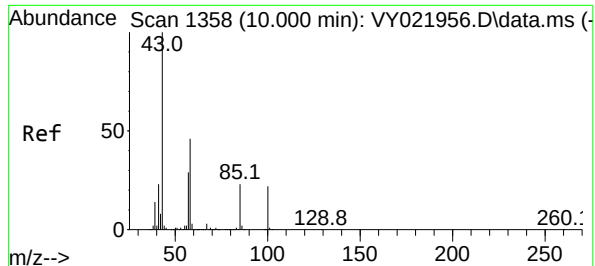
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	98	Resp:	116480
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





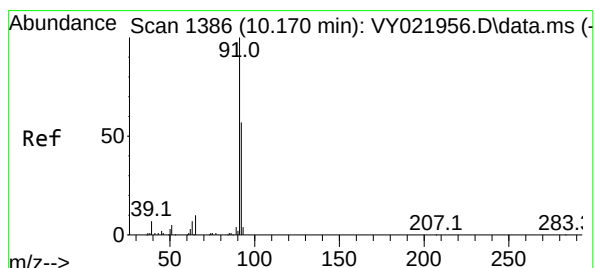
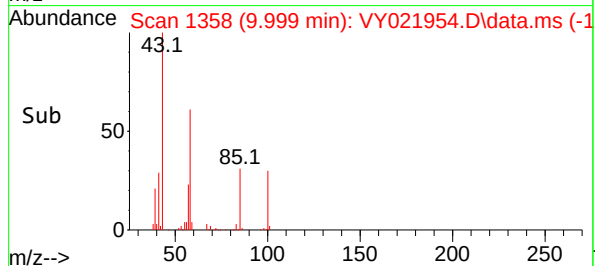
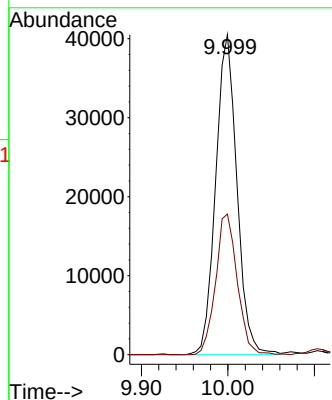
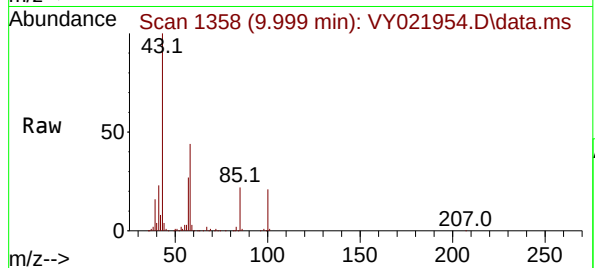
#51
4-Methyl-2-Pentanone
Concen: 46.490 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 6895
Ion Ratio Lower Upper
43 100
58 44.8 36.6 55.0

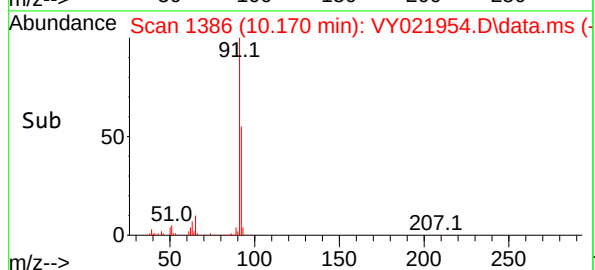
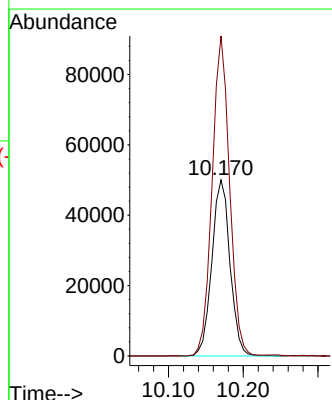
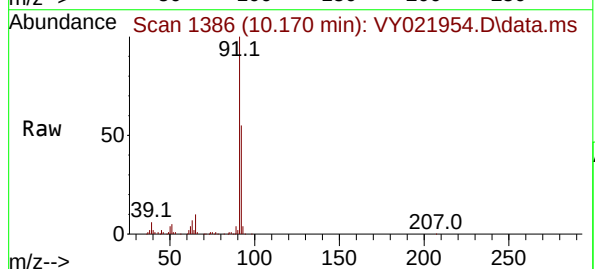
Manual Integrations
APPROVED

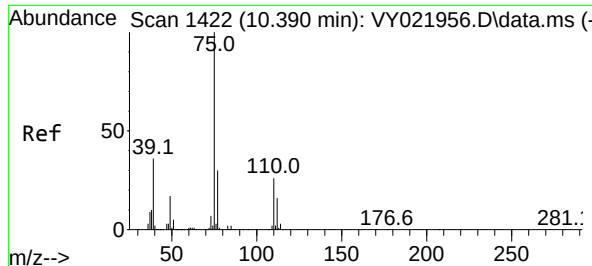
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 10.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 92 Resp: 84571
Ion Ratio Lower Upper
92 100
91 175.1 138.6 207.8





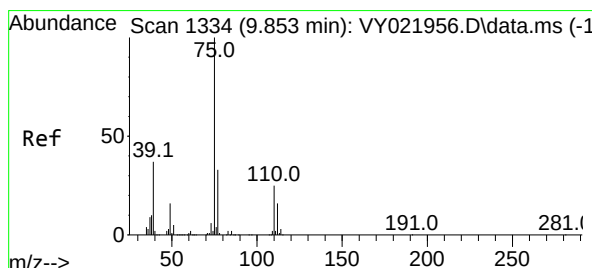
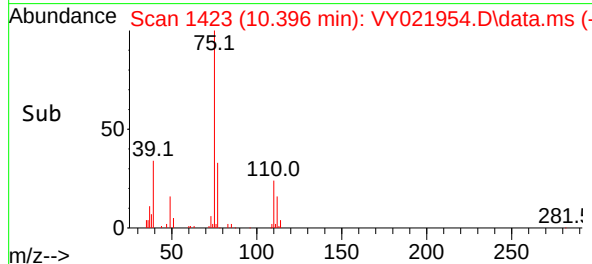
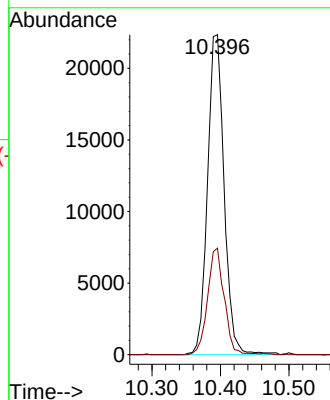
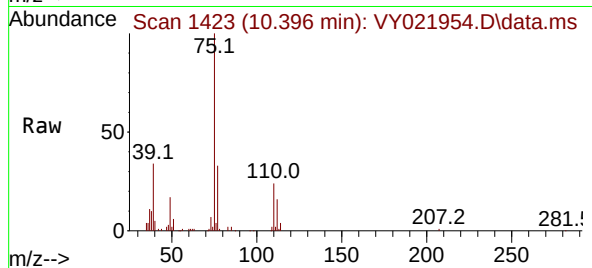
#53
t-1,3-Dichloropropene
Concen: 9.911 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 37699
Ion Ratio Lower Upper
75 100
77 33.3 24.0 36.0

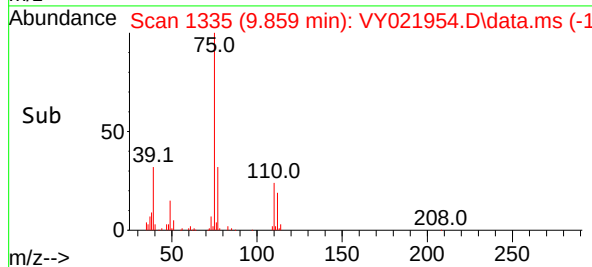
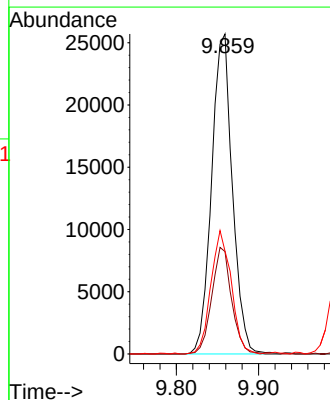
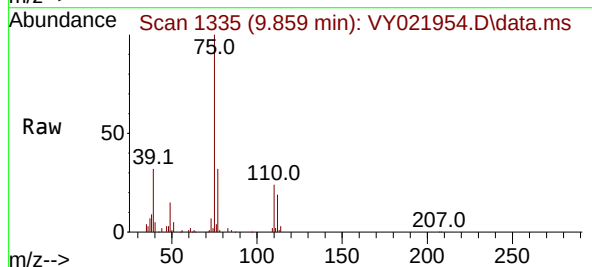
Manual Integrations
APPROVED

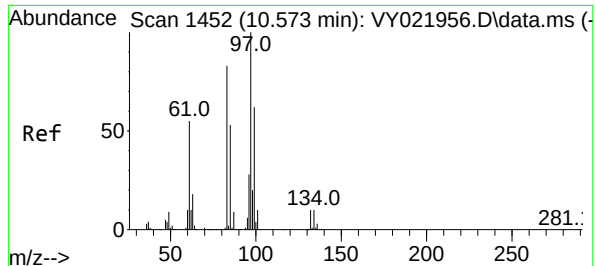
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 9.982 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

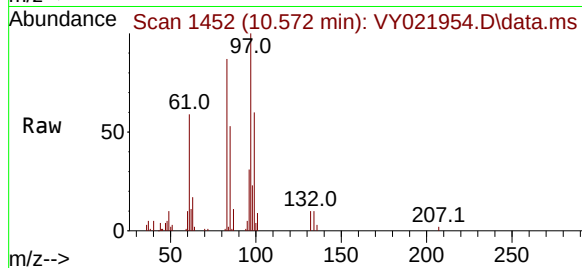
Tgt Ion: 75 Resp: 45133
Ion Ratio Lower Upper
75 100
77 32.0 26.6 40.0
39 32.2 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 10.192 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

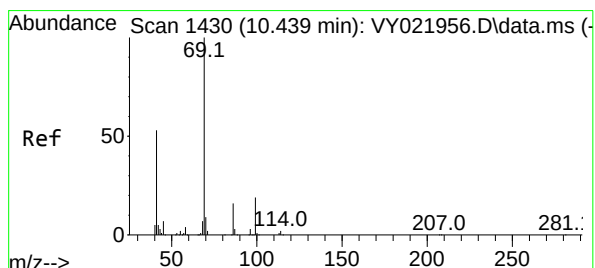
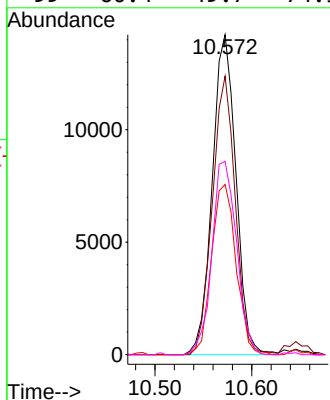
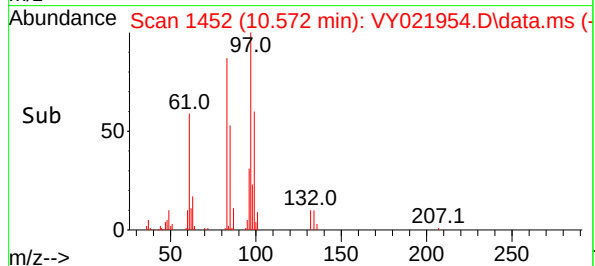
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 97 Resp: 24160
Ion Ratio Lower Upper
97 100
83 87.1 66.7 100.1
85 53.2 42.6 64.0
99 60.4 49.7 74.5

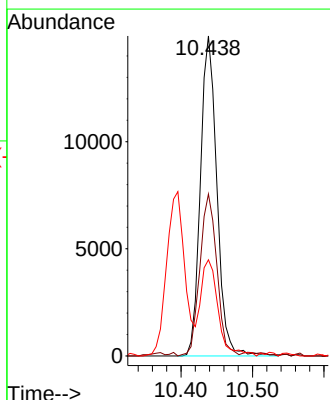
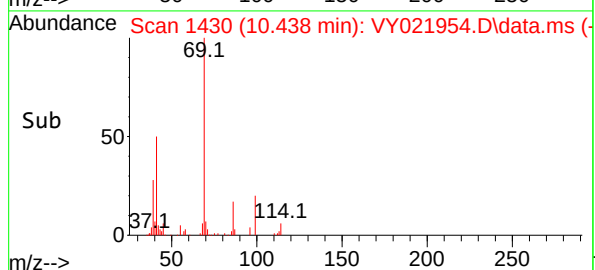
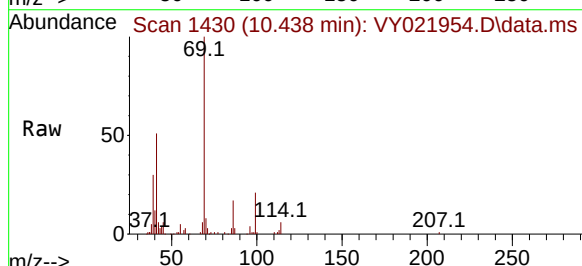
Manual Integrations
APPROVED

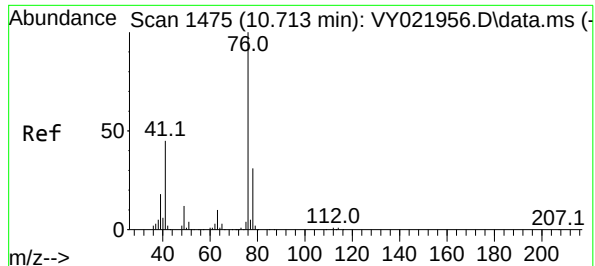
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 8.823 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 69 Resp: 23924
Ion Ratio Lower Upper
69 100
41 52.1 40.7 61.1
39 31.1 23.3 34.9





#57

1,3-Dichloropropane

Concen: 10.204 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 3878

Ion Ratio Lower Upper

76 100

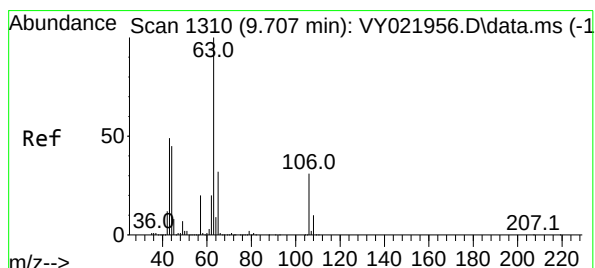
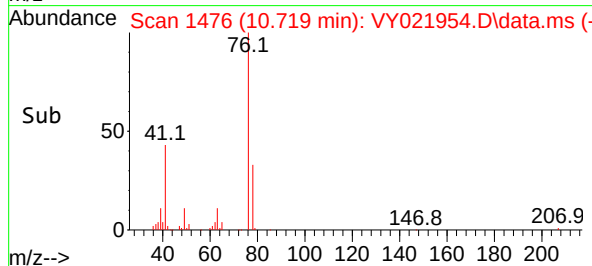
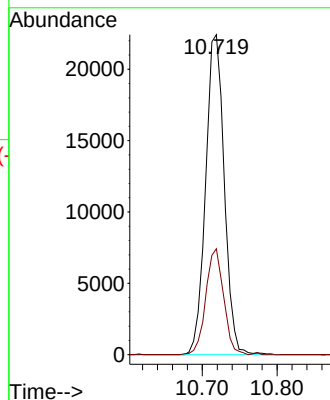
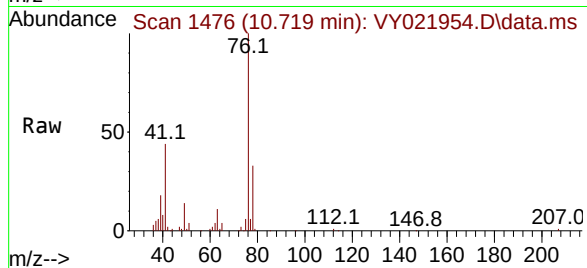
78 31.6 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#58

2-Chloroethyl Vinyl ether

Concen: 42.164 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VY021954.D

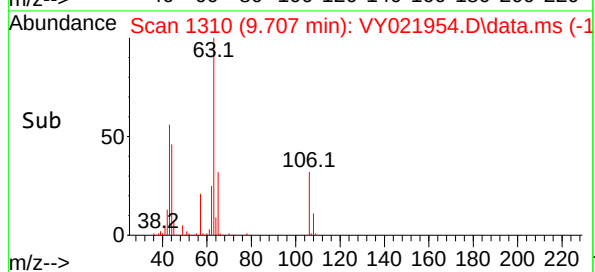
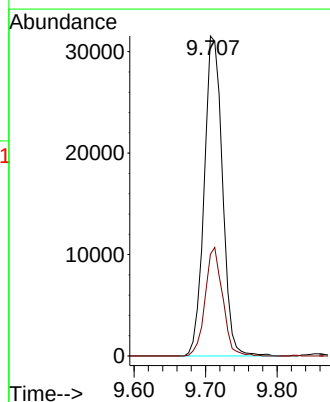
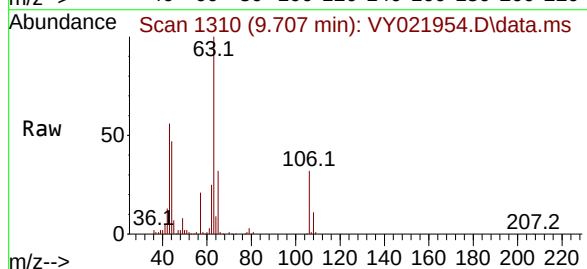
Acq: 22 Apr 2025 14:44

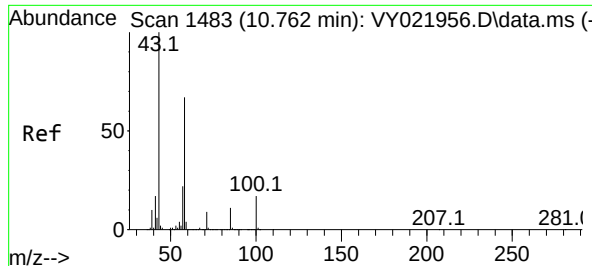
Tgt Ion: 63 Resp: 55900

Ion Ratio Lower Upper

63 100

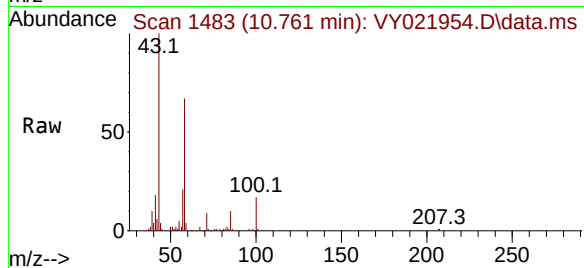
106 32.5 25.3 37.9





#59
2-Hexanone
Concen: 45.407 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

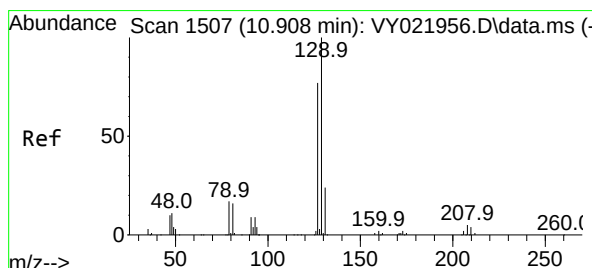
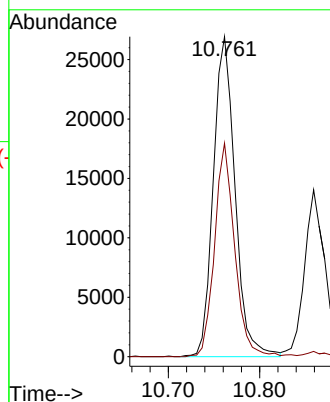
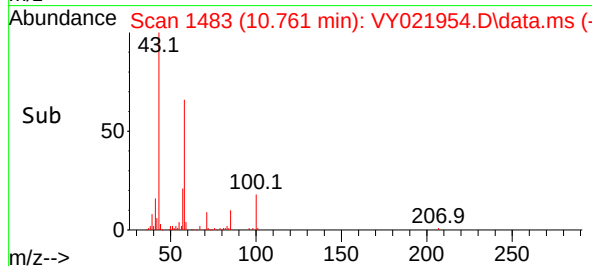
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 44419
Ion Ratio Lower Upper
43 100
58 61.8 32.0 96.0

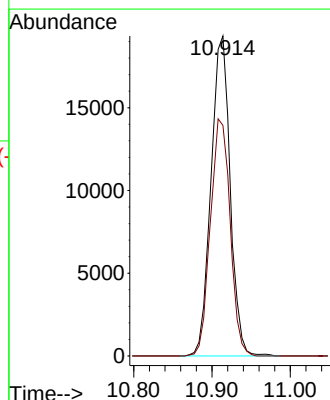
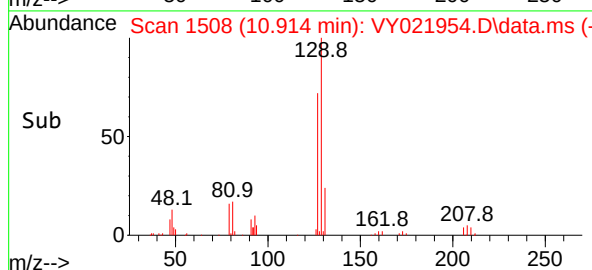
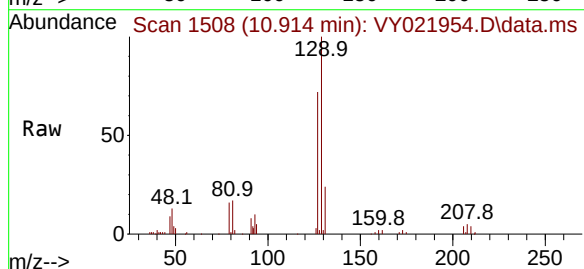
Manual Integrations
APPROVED

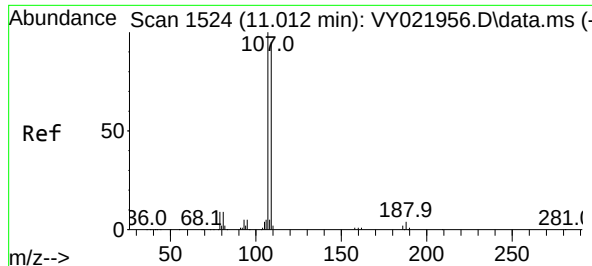
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 9.994 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

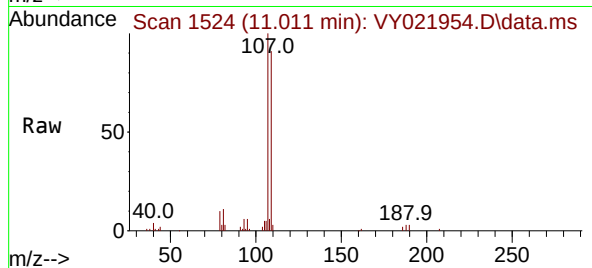
Tgt Ion:129 Resp: 32807
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61
1,2-Dibromoethane
Concen: 10.019 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

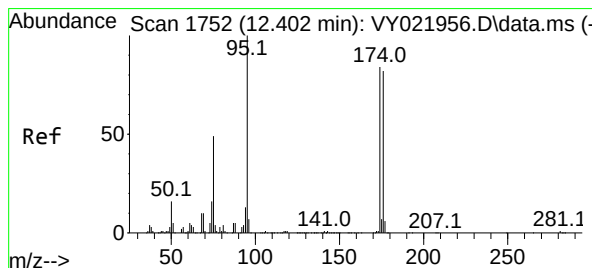
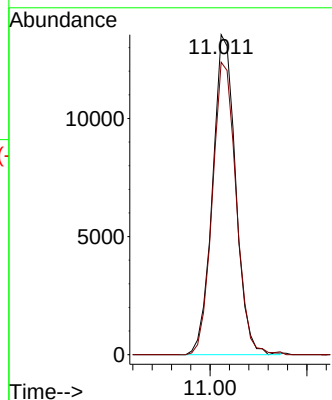
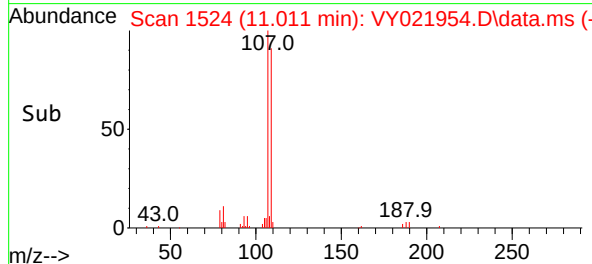
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:107 Resp: 2242
Ion Ratio Lower Upper
107 100
109 94.1 75.8 113.8

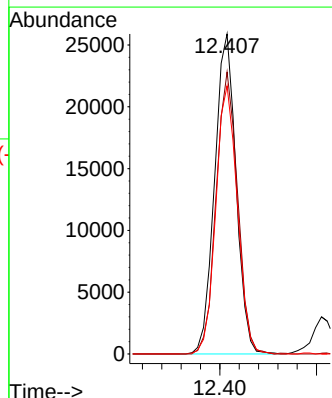
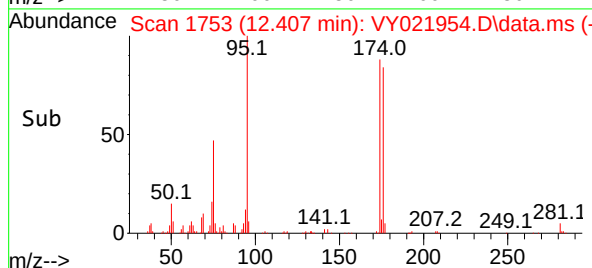
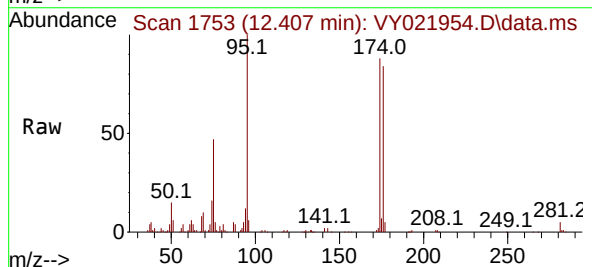
Manual Integrations
APPROVED

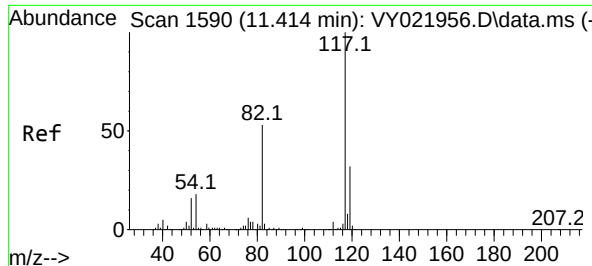
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 10.244 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 95 Resp: 39704
Ion Ratio Lower Upper
95 100
174 88.3 0.0 179.0
176 84.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

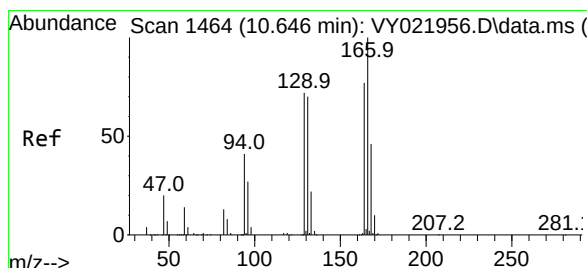
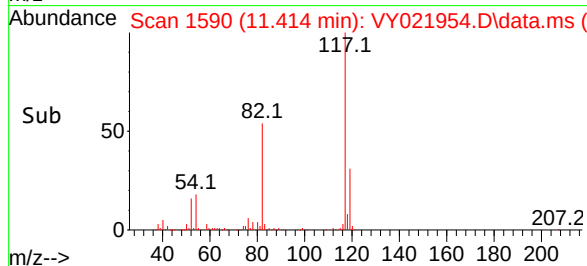
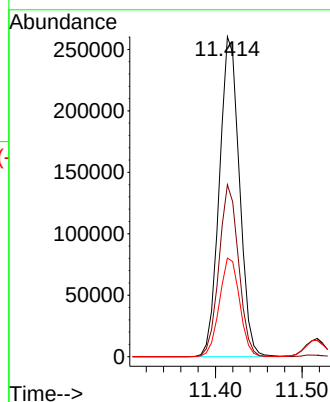
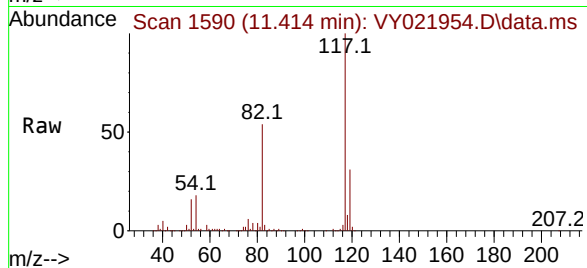
VSTDIC010

Tgt Ion:	117	Resp:	41847
Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.1	63.1
119	30.8	25.7	38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64

Tetrachloroethene

Concen: 10.944 ug/l

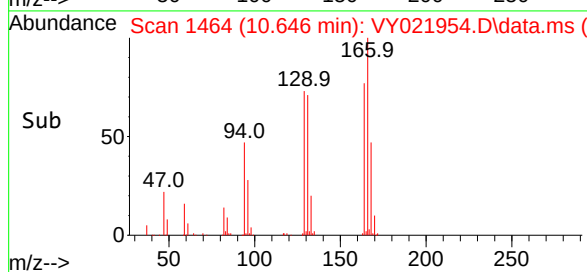
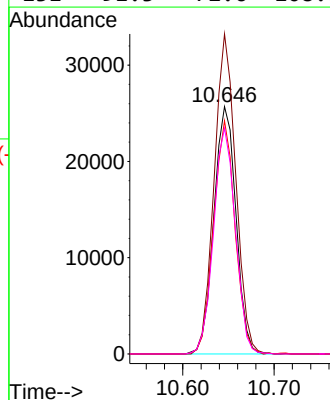
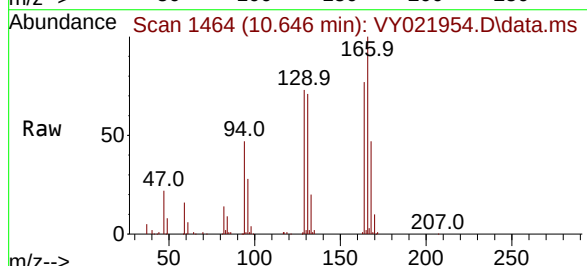
RT: 10.646 min Scan# 1464

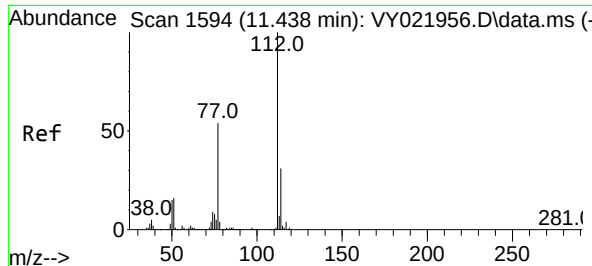
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

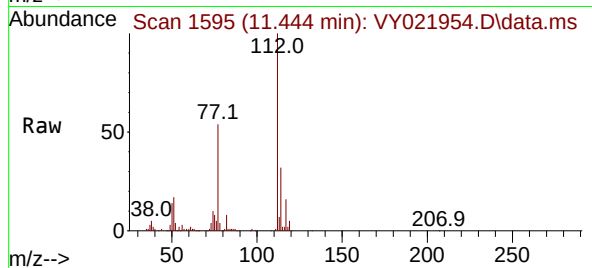
Tgt Ion:	164	Resp:	43205
Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.6	155.4
129	94.2	74.2	111.4
131	91.3	72.6	108.8





#65
Chlorobenzene
Concen: 10.306 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

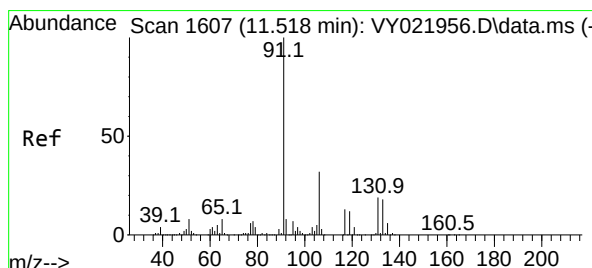
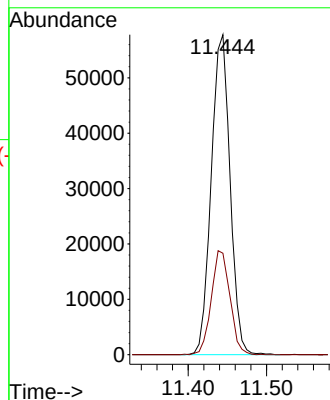
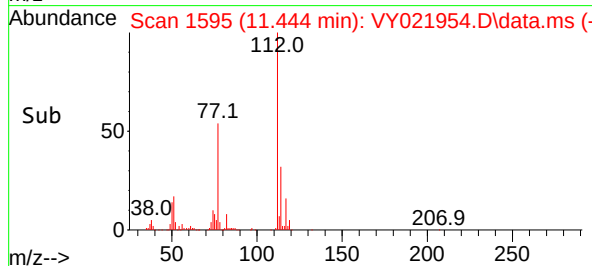
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:112 Resp: 9644
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4

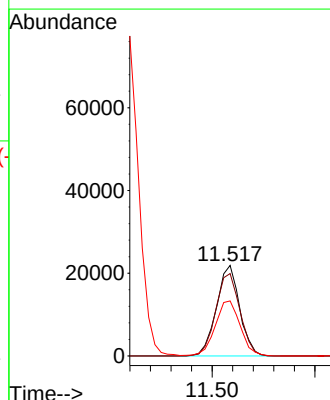
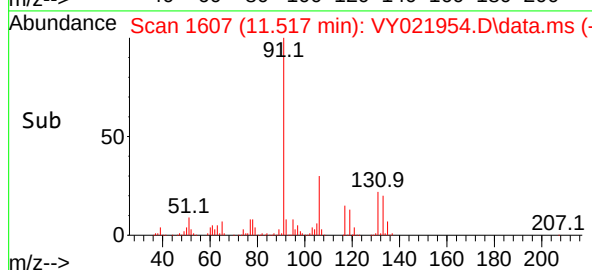
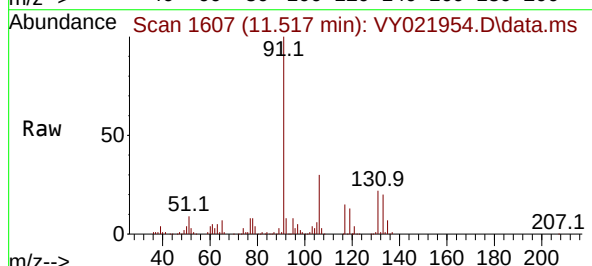
Manual Integrations
APPROVED

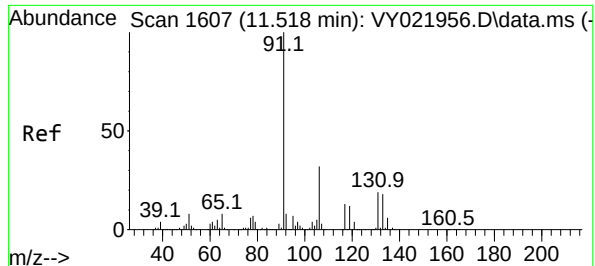
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 10.392 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:131 Resp: 34237
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 10.058 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 15397

Ion Ratio Lower Upper

91 100

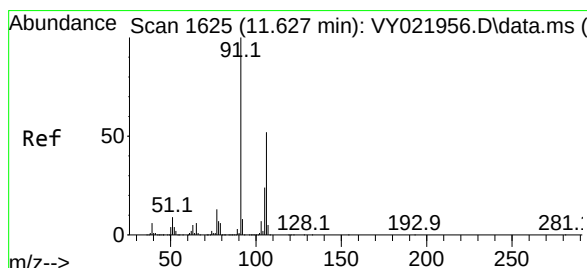
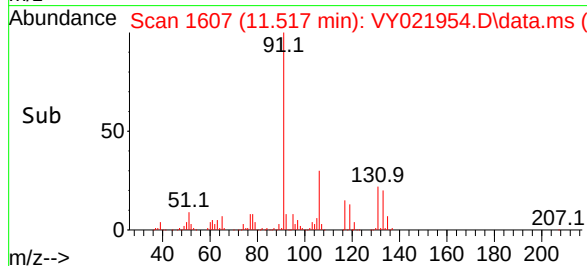
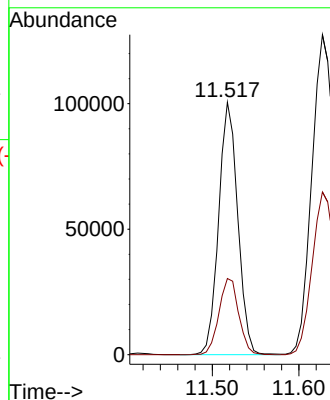
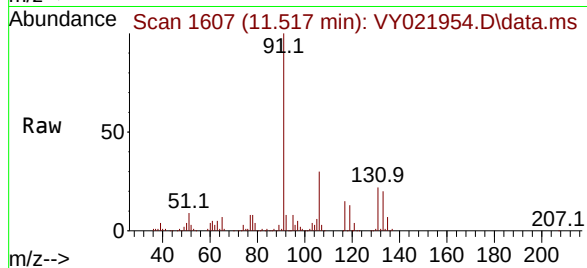
106 30.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 19.789 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021954.D

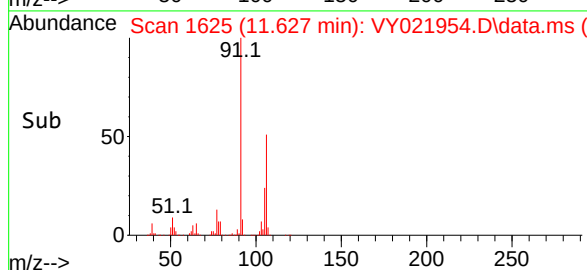
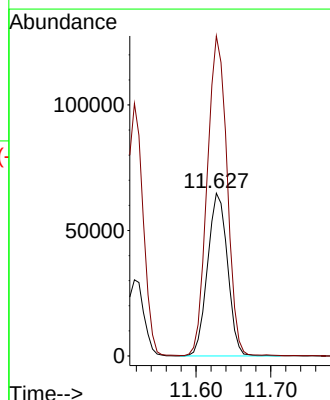
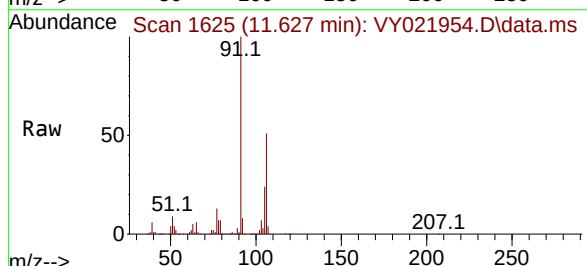
Acq: 22 Apr 2025 14:44

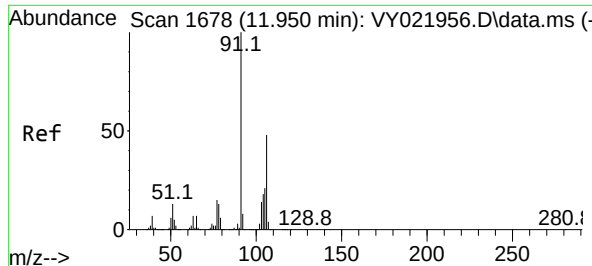
Tgt Ion:106 Resp: 120544

Ion Ratio Lower Upper

106 100

91 194.6 156.2 234.2





#69

o-Xylene

Concen: 9.521 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 53458

Ion Ratio Lower Upper

106 100

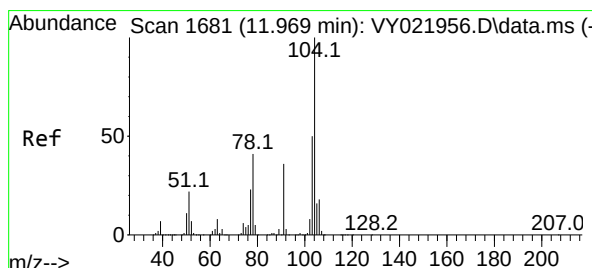
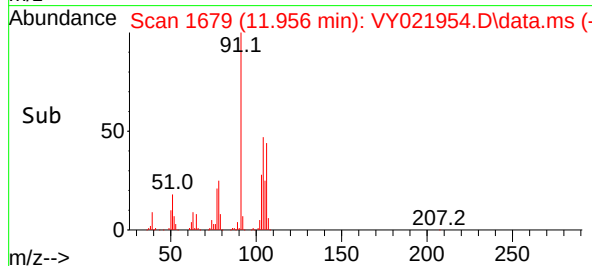
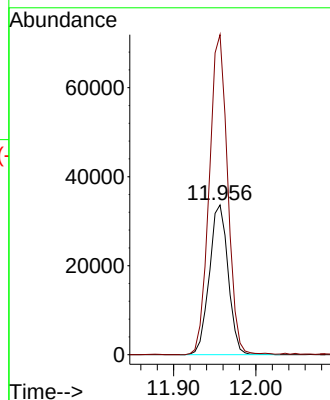
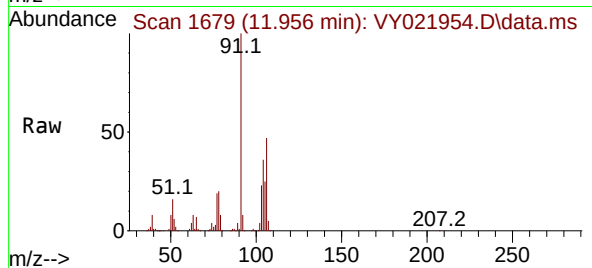
91 208.8 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#70

Styrene

Concen: 9.588 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

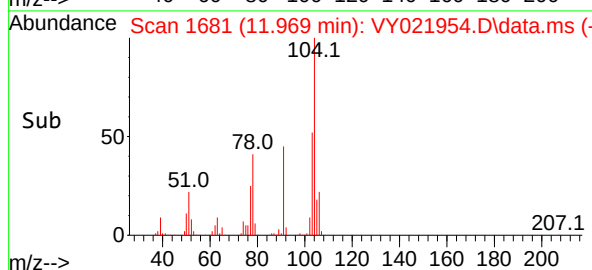
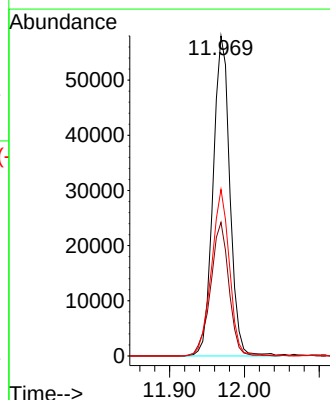
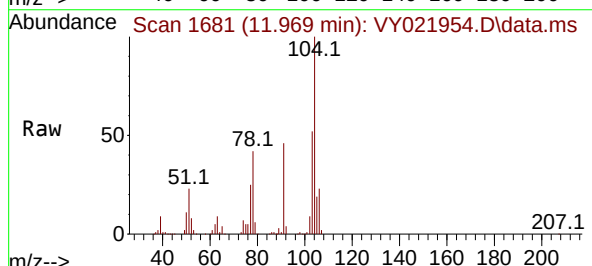
Tgt Ion:104 Resp: 90382

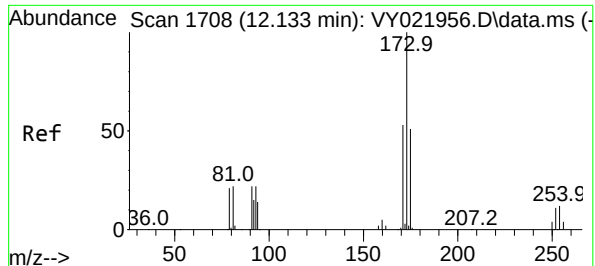
Ion Ratio Lower Upper

104 100

78 45.5 36.6 54.8

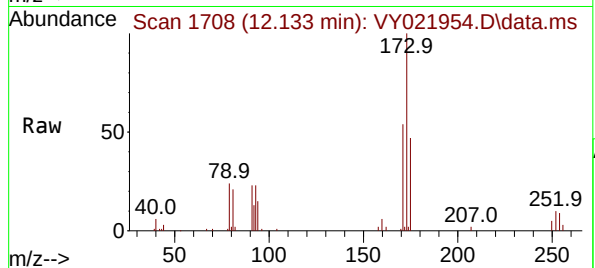
103 55.7 43.8 65.8





#71
Bromoform
Concen: 9.648 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

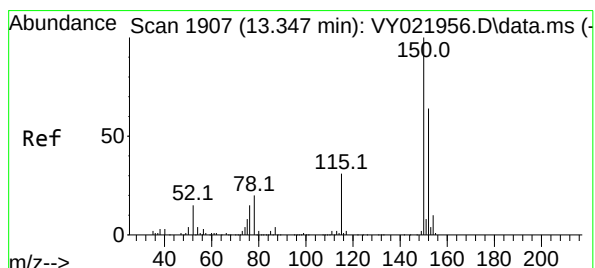
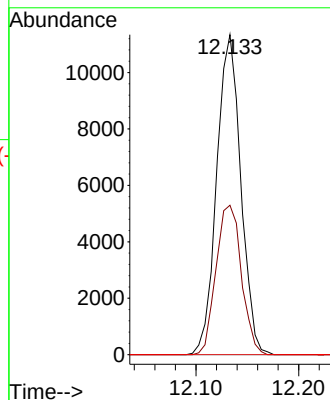
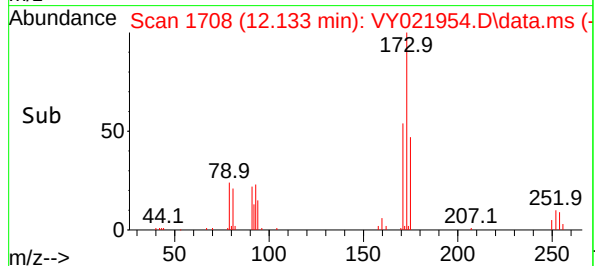
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



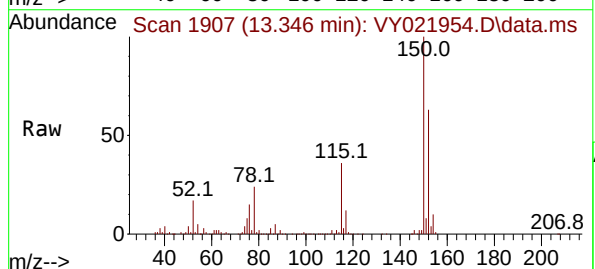
Tgt Ion:173 Resp: 18480
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

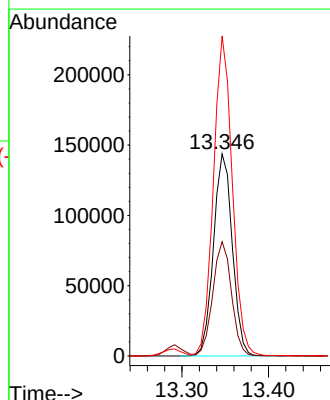
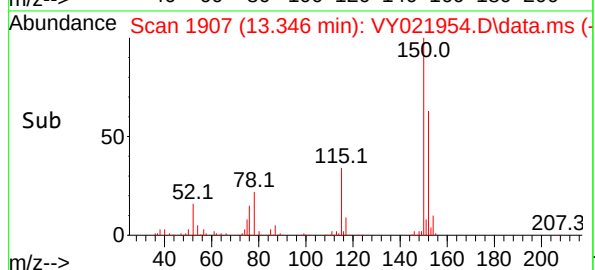
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

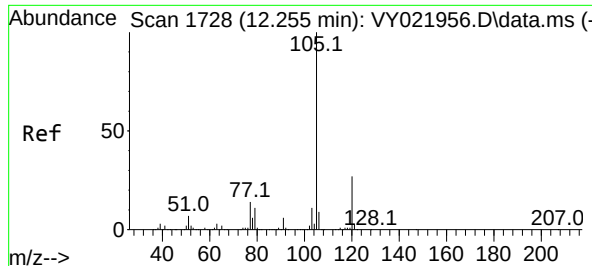


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44



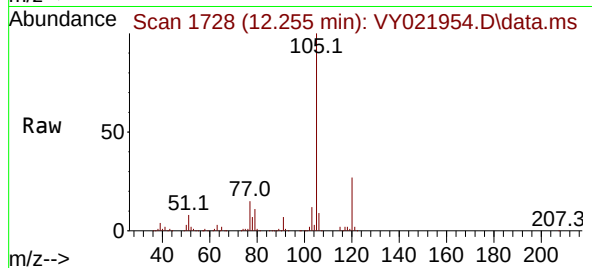
Tgt Ion:152 Resp: 217358
Ion Ratio Lower Upper
152 100
115 56.1 28.0 84.0
150 158.8 0.0 345.6





#73
Isopropylbenzene
Concen: 9.928 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

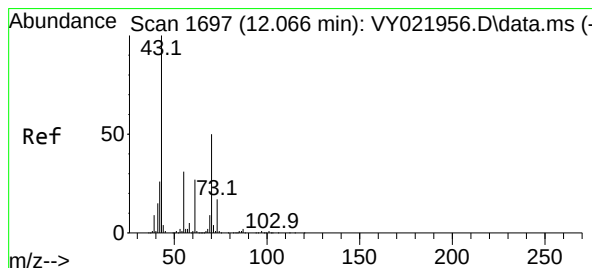
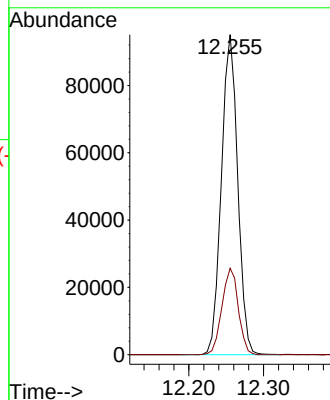
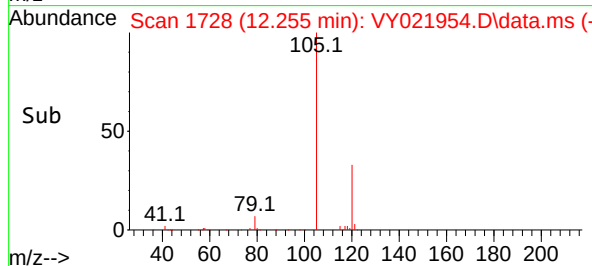
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 105 Resp: 14416
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

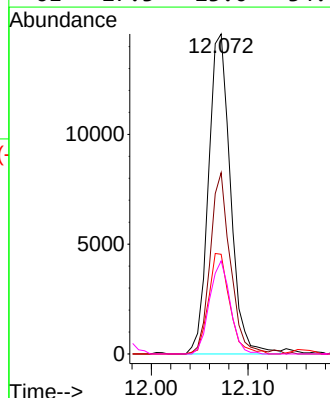
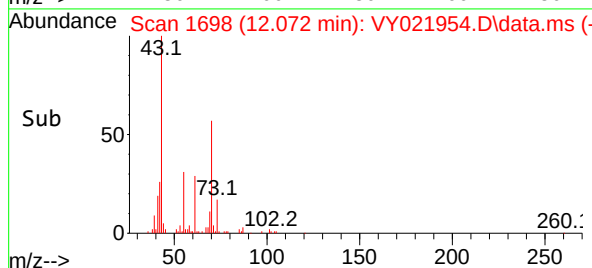
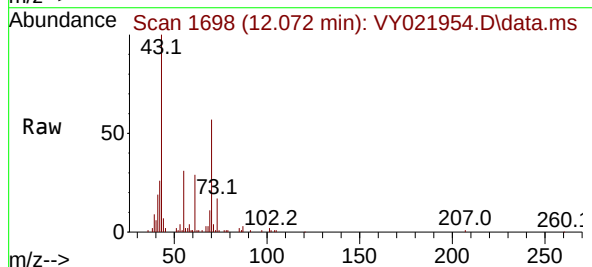
Manual Integrations
APPROVED

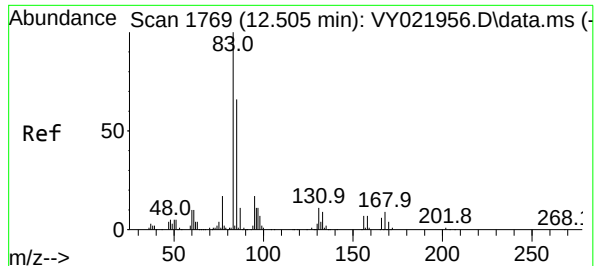
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 9.242 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 23058
Ion Ratio Lower Upper
43 100
70 51.9 43.2 64.8
55 30.4 25.7 38.5
61 27.3 23.0 34.6





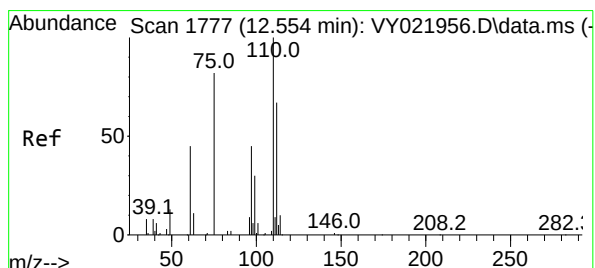
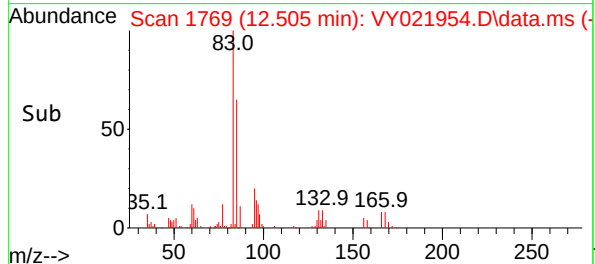
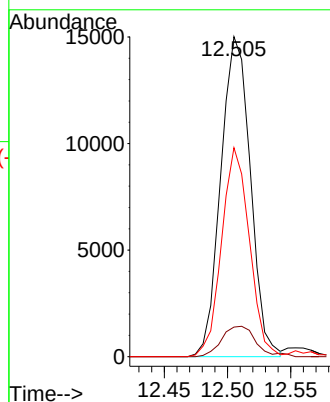
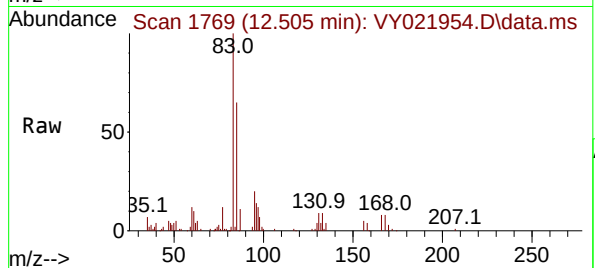
#75
1,1,2,2-Tetrachloroethane
Concen: 9.971 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 2441
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.4
85 61.5 32.3 96.8

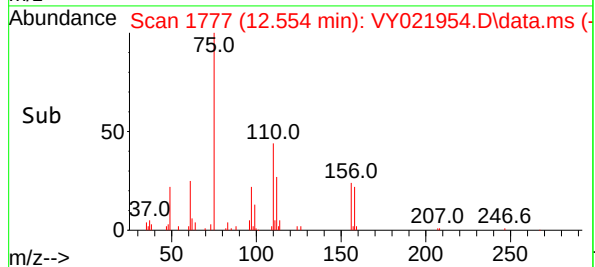
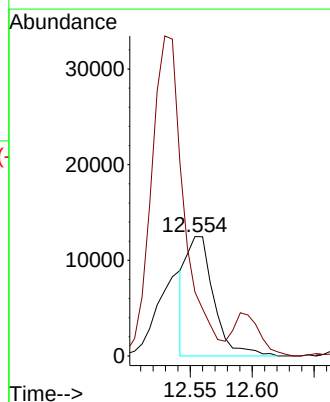
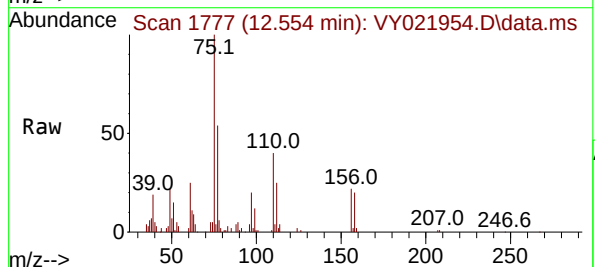
Manual Integrations
APPROVED

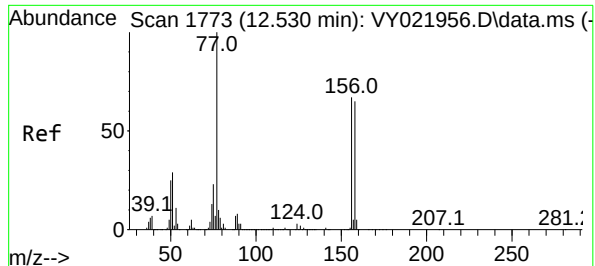
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 10.092 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 19328
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





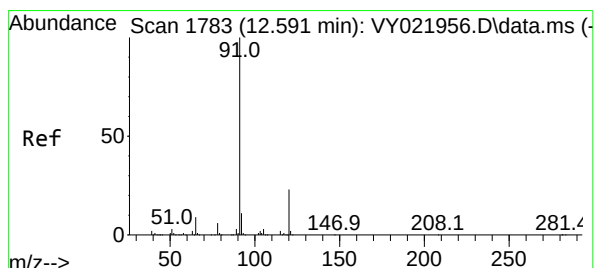
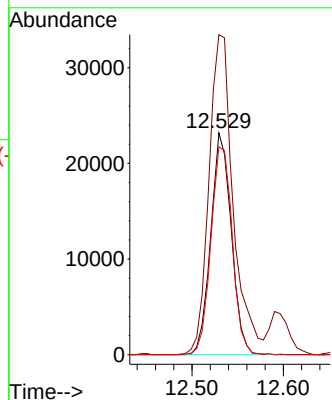
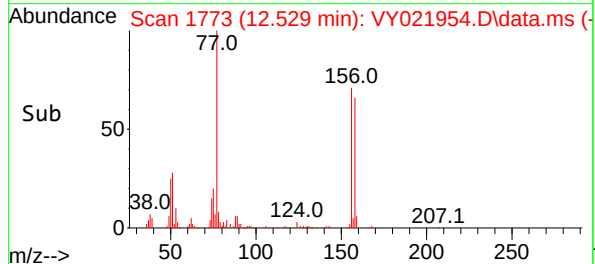
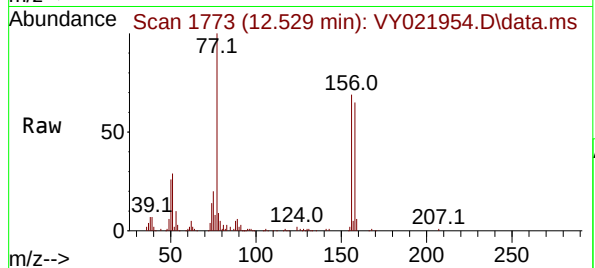
#77
Bromobenzene
Concen: 9.845 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 156 Resp: 3612
Ion Ratio Lower Upper
156 100
77 170.7 82.7 248.1
158 97.5 48.1 144.4

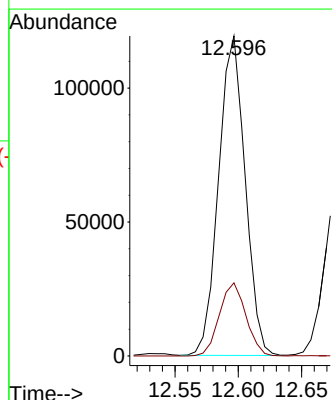
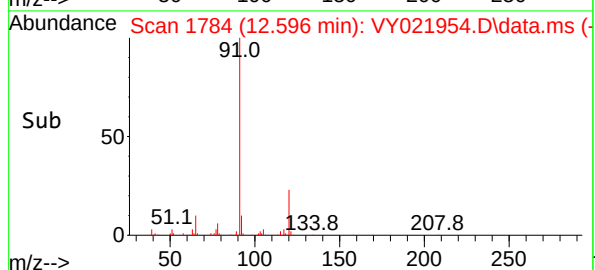
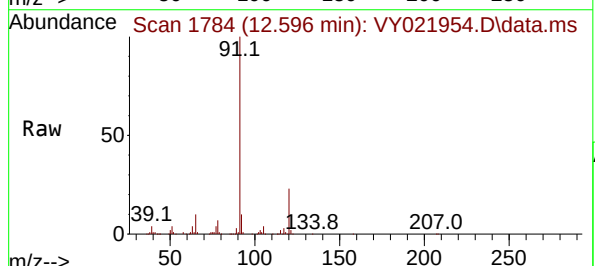
Manual Integrations
APPROVED

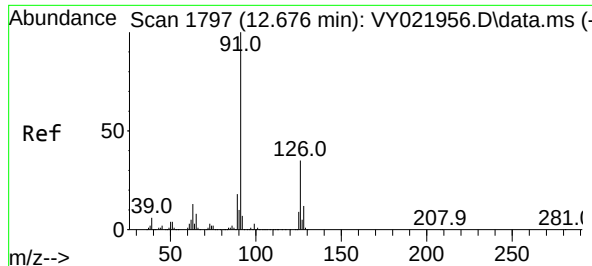
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 10.045 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 173723
Ion Ratio Lower Upper
91 100
120 22.9 11.9 35.5





#79

2-Chlorotoluene

Concen: 10.127 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 10185

Ion Ratio Lower Upper

91 100

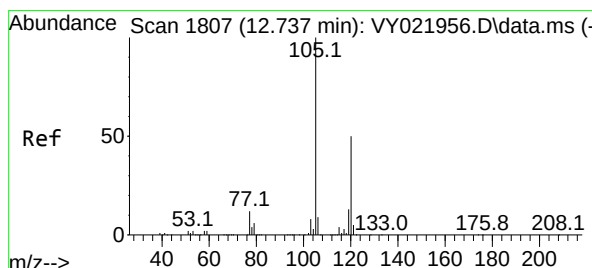
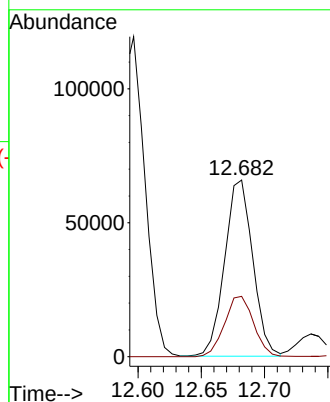
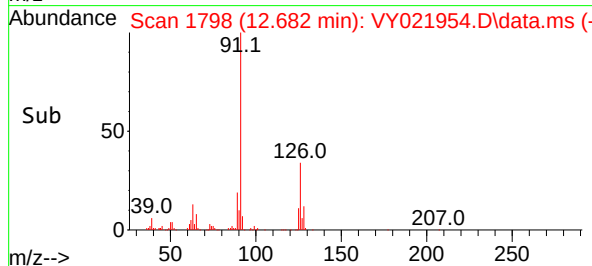
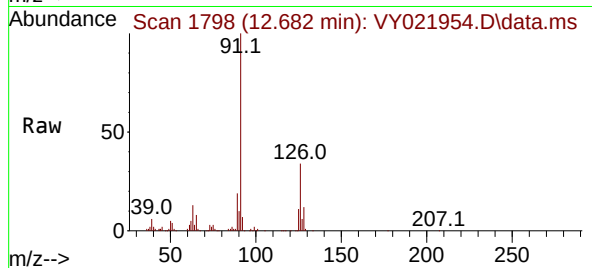
126 35.6 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 10.018 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021954.D

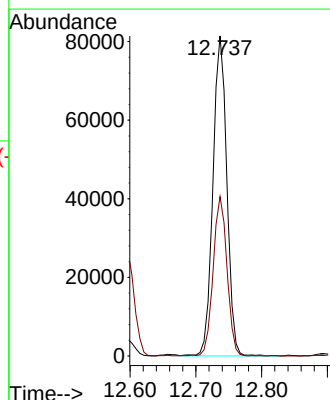
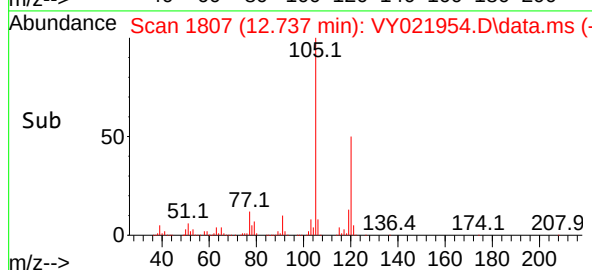
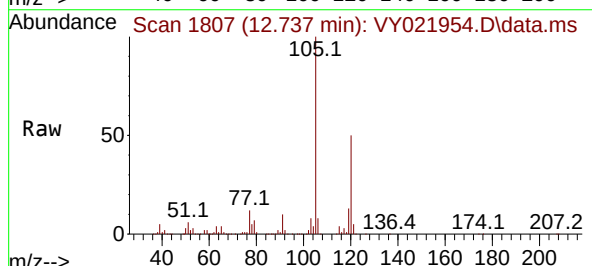
Acq: 22 Apr 2025 14:44

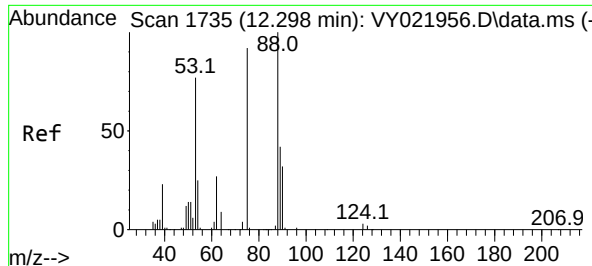
Tgt Ion:105 Resp: 119871

Ion Ratio Lower Upper

105 100

120 49.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 9.773 ug/l

RT: 12.304 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

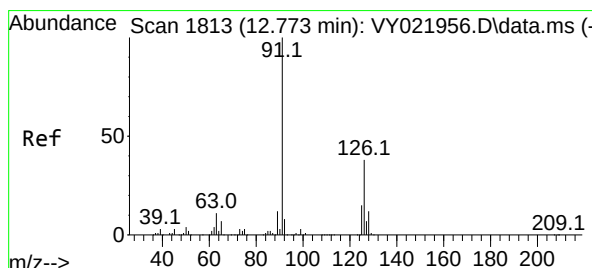
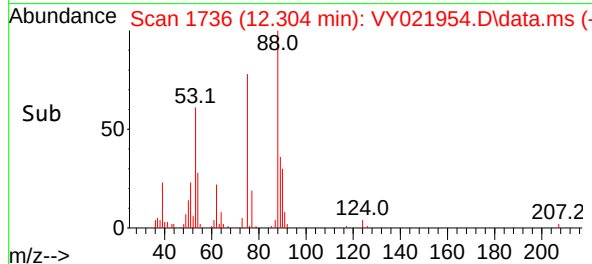
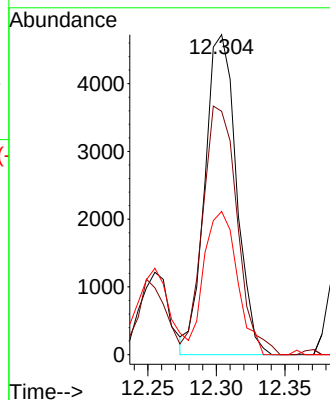
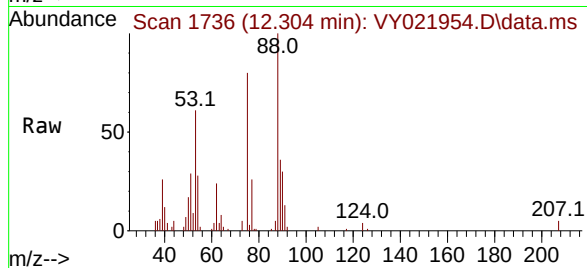
VSTDIC010

Tgt Ion:	75	Resp:	7550
Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	47.0	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82

4-Chlorotoluene

Concen: 10.400 ug/l

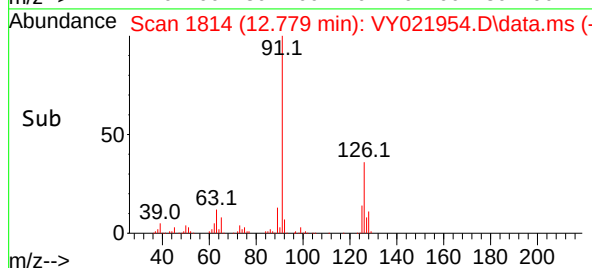
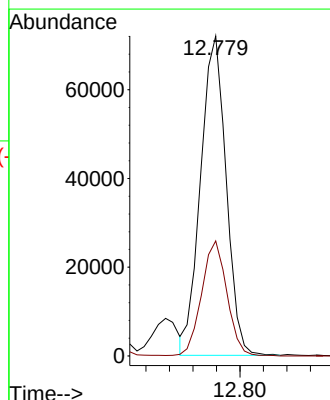
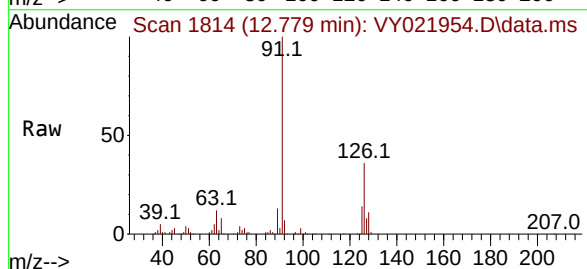
RT: 12.779 min Scan# 1814

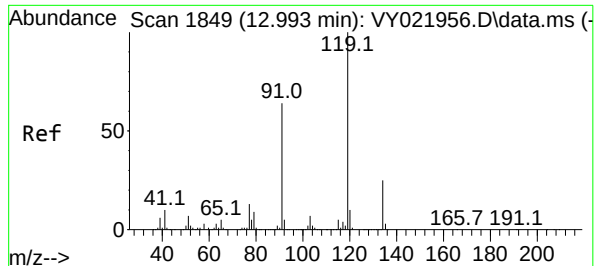
Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

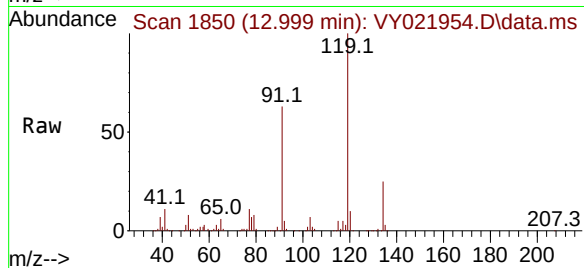
Tgt Ion:	91	Resp:	108734
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8





#83
tert-Butylbenzene
Concen: 9.649 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

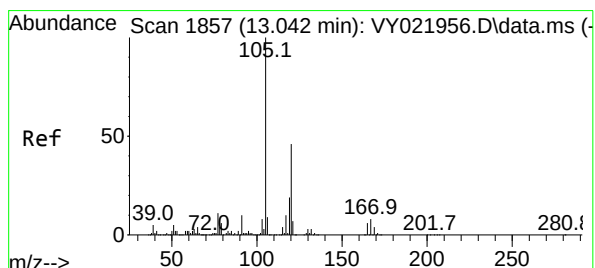
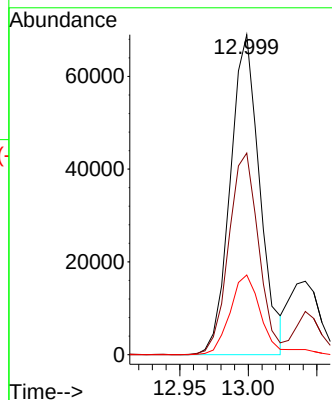
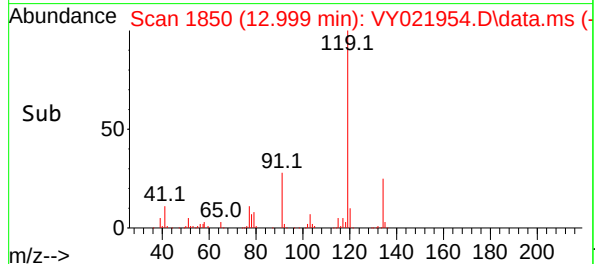
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:119 Resp: 10354
Ion Ratio Lower Upper
119 100
91 63.8 30.3 90.9
134 26.8 12.9 38.7

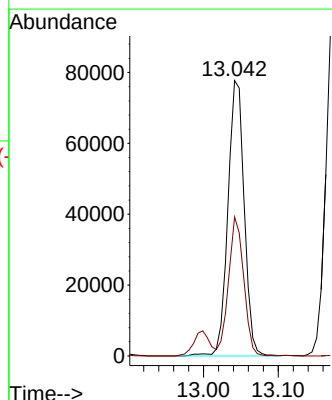
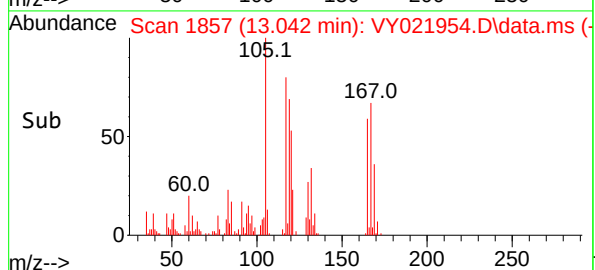
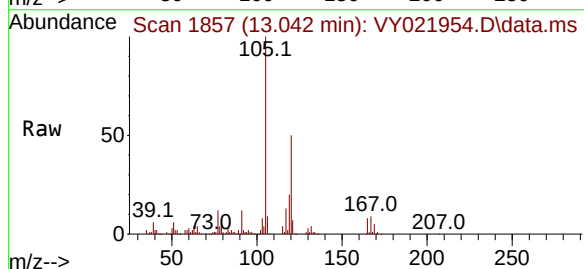
Manual Integrations
APPROVED

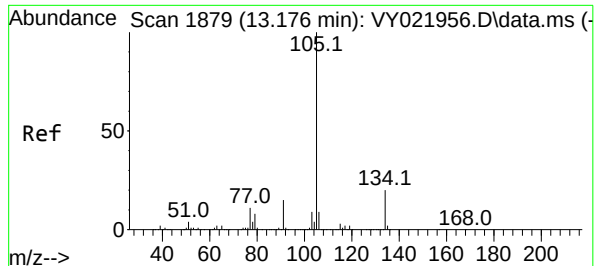
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84
1,2,4-Trimethylbenzene
Concen: 9.870 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 118119
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.0





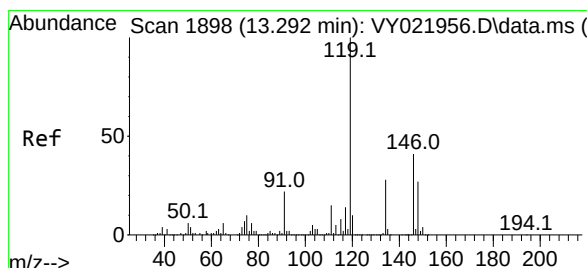
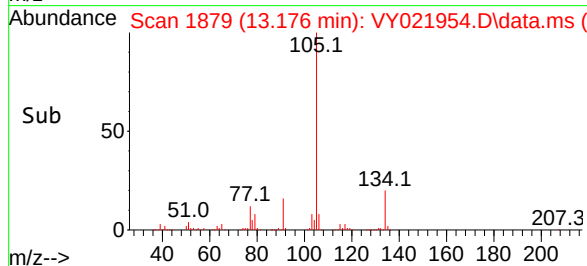
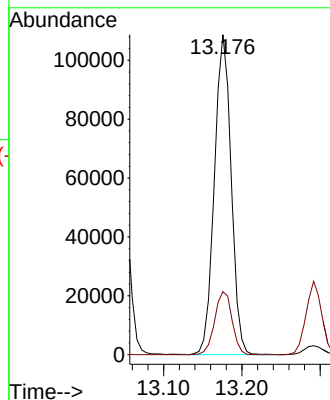
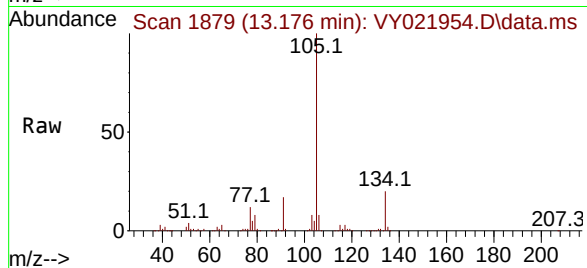
#85
sec-Butylbenzene
Concen: 10.311 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:105 Resp: 16190
Ion Ratio Lower Upper
105 100
134 20.4 10.3 30.9

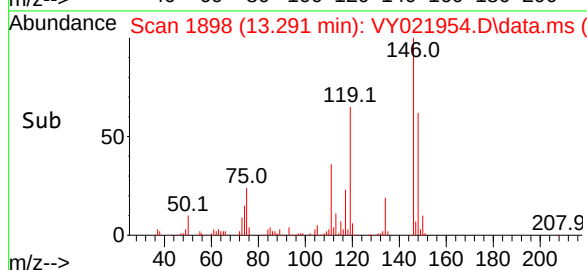
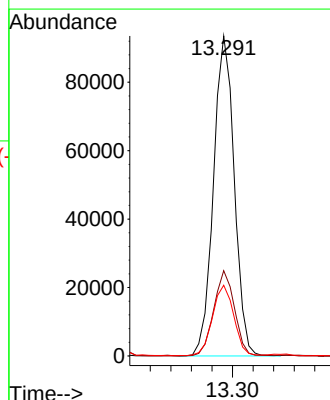
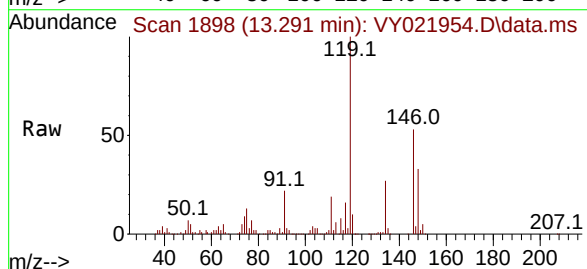
Manual Integrations
APPROVED

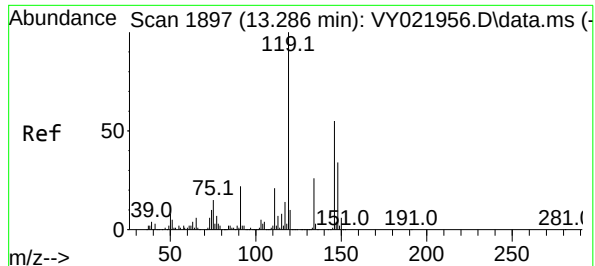
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 9.834 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:119 Resp: 131120
Ion Ratio Lower Upper
119 100
134 26.6 13.6 40.7
91 22.5 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 10.404 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

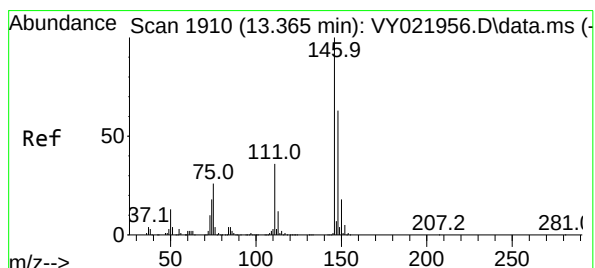
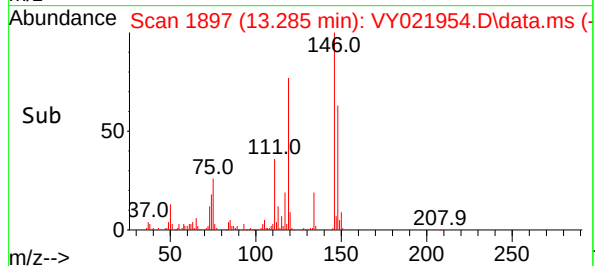
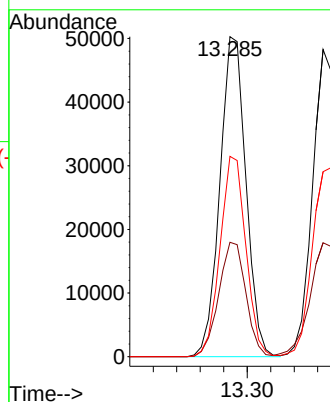
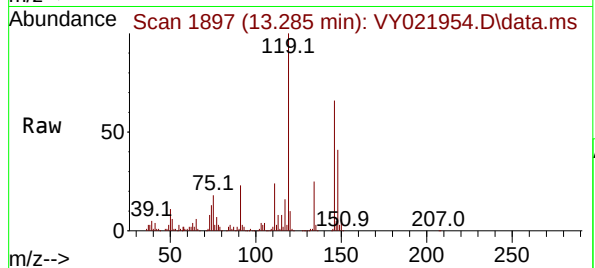
VSTDIC010

Tgt Ion:	146	Resp:	77538
Ion Ratio	Lower	Upper	
146	100		
111	37.1	19.1	57.5
148	61.9	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 10.167 ug/l

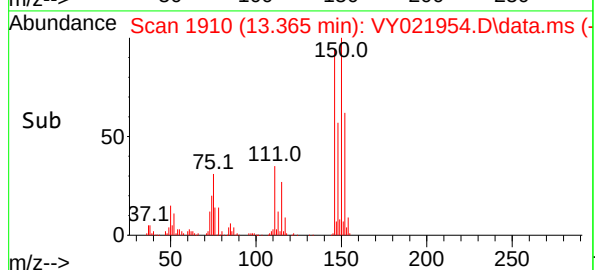
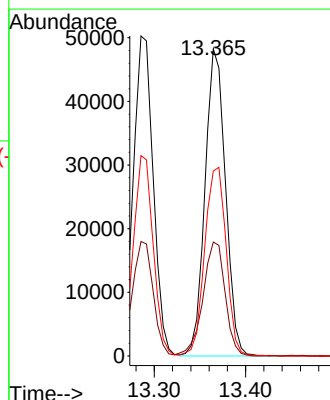
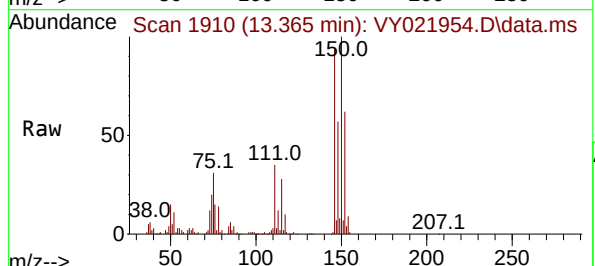
RT: 13.365 min Scan# 1910

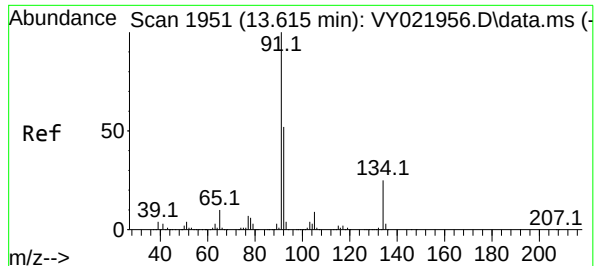
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	146	Resp:	75043
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.2	57.6
148	64.6	32.0	96.0





#89

n-Butylbenzene

Concen: 10.177 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

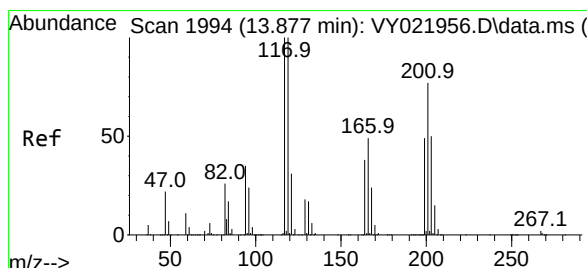
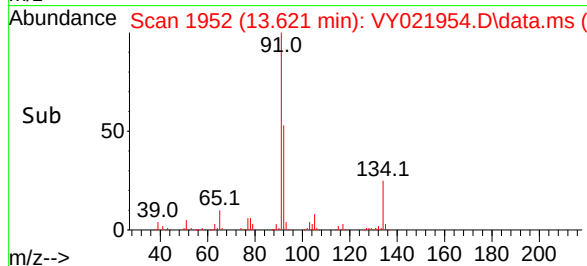
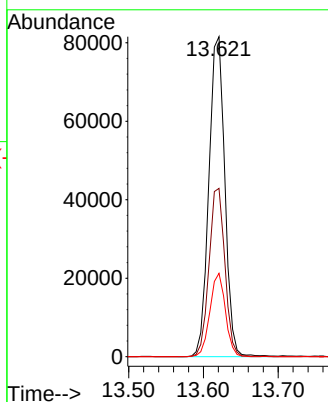
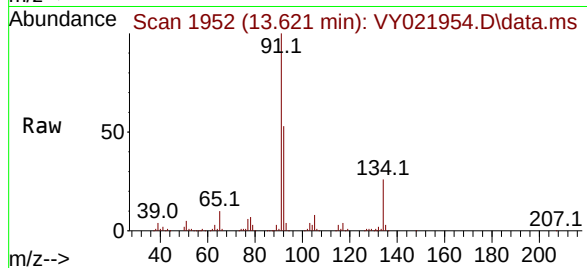
ClientSampleId :

VSTDIC010

Tgt Ion:	91	Resp:	12129
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	25.3	13.4	40.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 10.541 ug/l

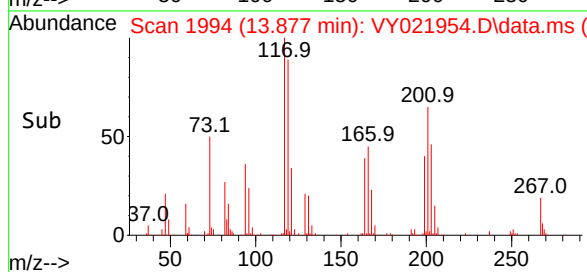
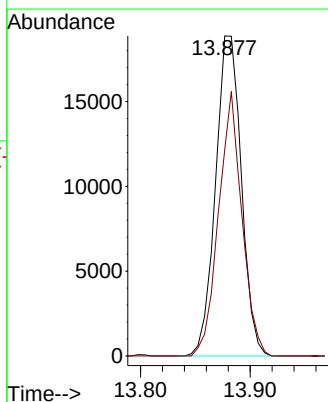
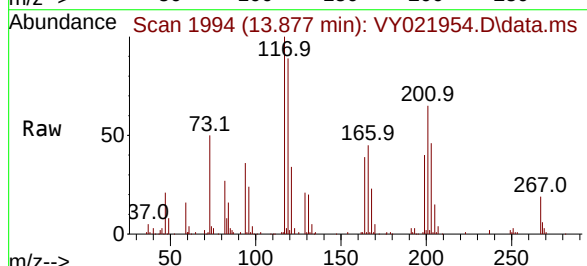
RT: 13.877 min Scan# 1994

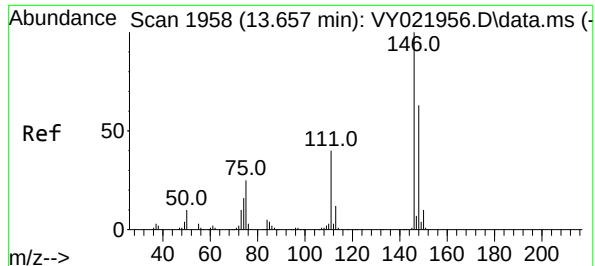
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	117	Resp:	30881
Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.7	116.1





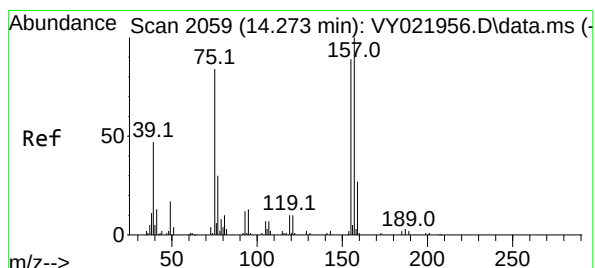
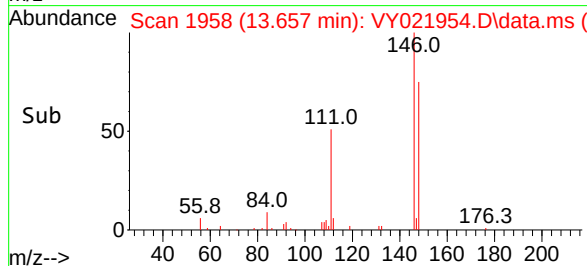
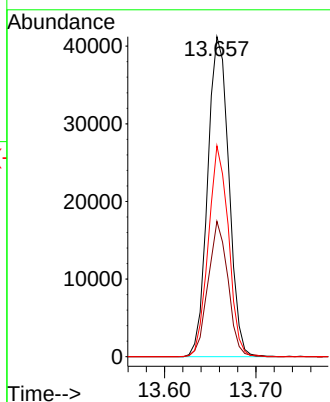
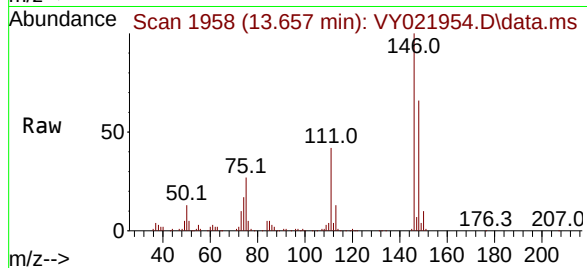
#91
1,2-Dichlorobenzene
Concen: 10.178 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 66159
Ion Ratio Lower Upper
146 100
111 39.7 19.7 59.1
148 62.9 32.1 96.3

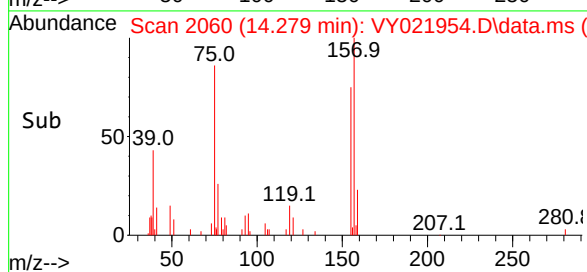
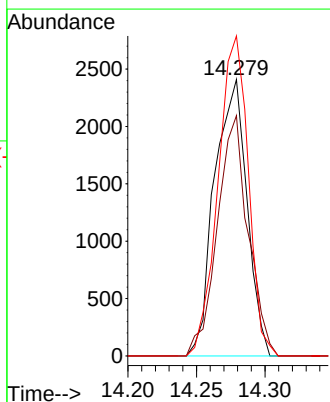
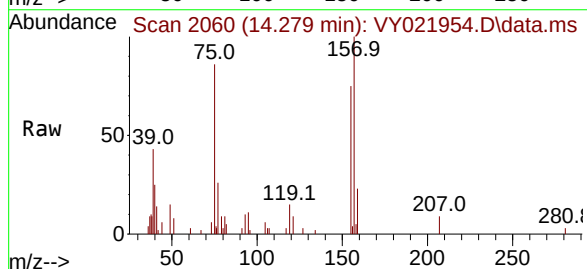
Manual Integrations
APPROVED

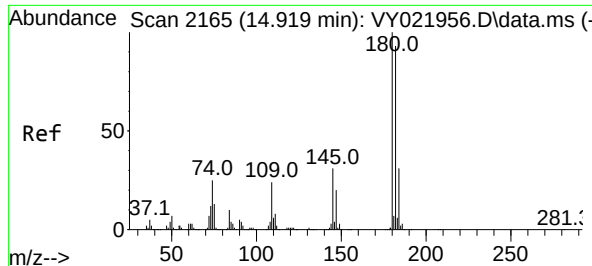
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.153 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 3955
Ion Ratio Lower Upper
75 100
155 82.8 50.7 152.3
157 108.3 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 9.446 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

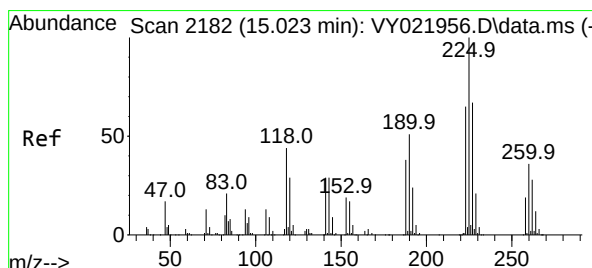
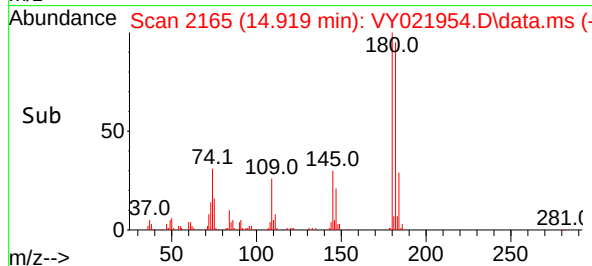
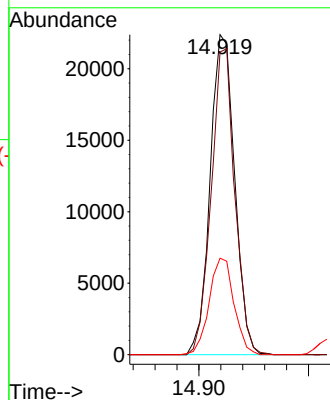
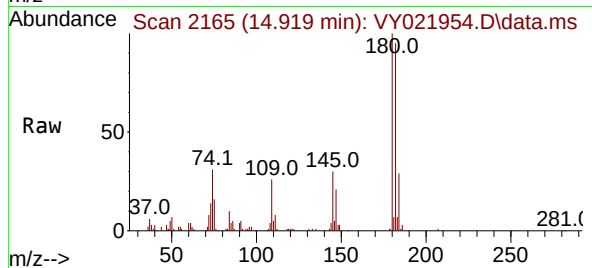
VSTDIC010

Tgt Ion:180	Resp:	3479
Ion Ratio	Lower	Upper
180	100	
182	92.1	47.1 141.4
145	30.5	15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 10.457 ug/l

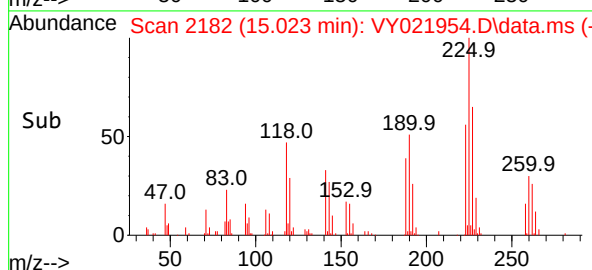
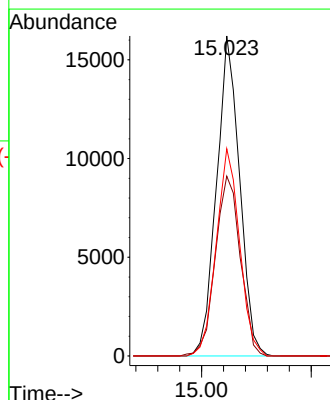
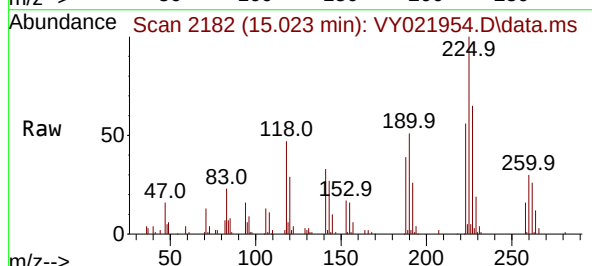
RT: 15.023 min Scan# 2182

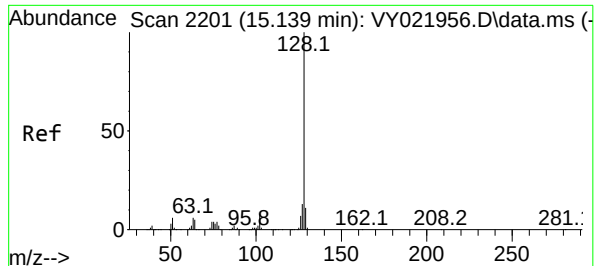
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:225	Resp:	23698
Ion Ratio	Lower	Upper
225	100	
223	60.8	31.9 95.5
227	65.5	32.3 96.9





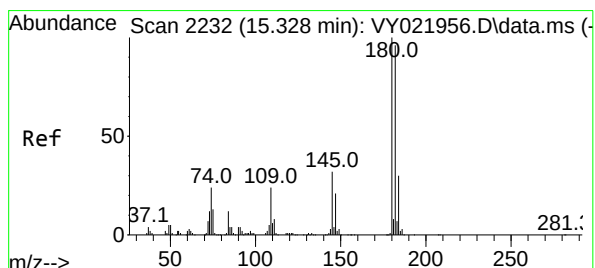
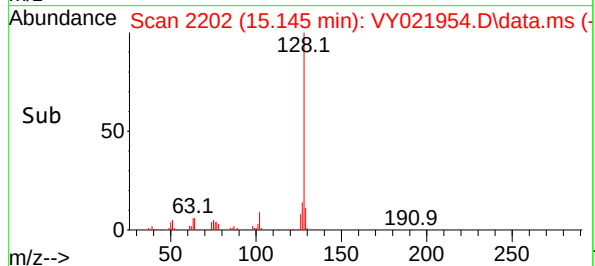
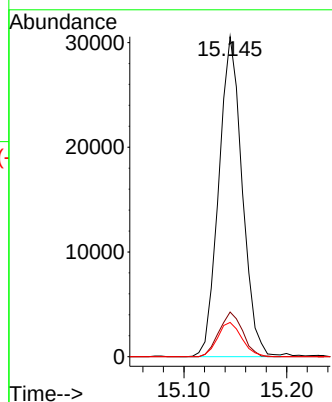
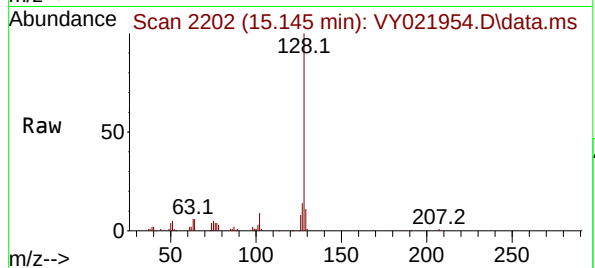
#95
Naphthalene
Concen: 7.904 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 48360
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.1 8.9 13.3

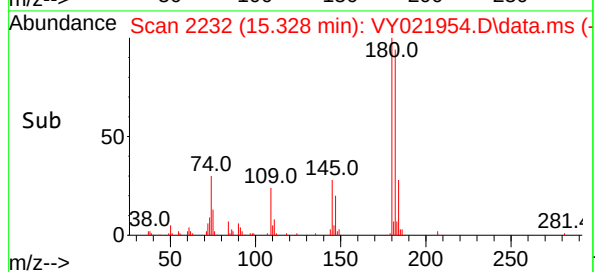
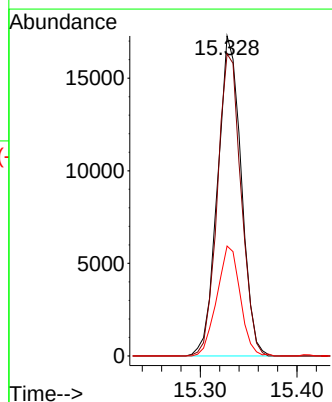
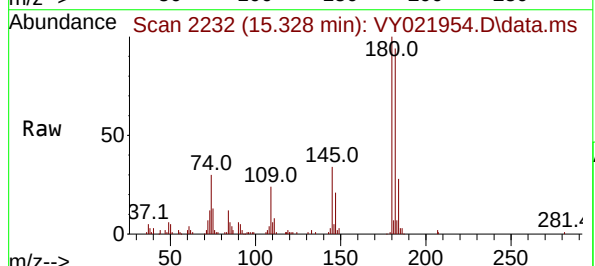
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.207 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:180 Resp: 29276
Ion Ratio Lower Upper
180 100
182 94.5 48.1 144.4
145 34.0 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 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 :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:02:03 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l	
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l	100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l #	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l	96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l	98
46) Dibromomethane	9.225	93	36893	20.018	ug/l	97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l	99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l	97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l	99
52) Toluene	10.170	92	168035	19.499	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l	99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l	99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l	99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l	98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l	99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l	98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l	98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l	99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l	99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l	99
69) o-Xylene	11.956	106	112603	18.945	ug/l	100
70) Styrene	11.969	104	191106	19.149	ug/l	99
71) Bromoform	12.133	173	39690	19.573	ug/l #	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l	100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l	
77) Bromobenzene	12.530	156	73838	18.490	ug/l	97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l	99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l	96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l	100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l	99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l	100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l	99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l	98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l	99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l	98
95) Naphthalene	15.145	128	121454	18.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

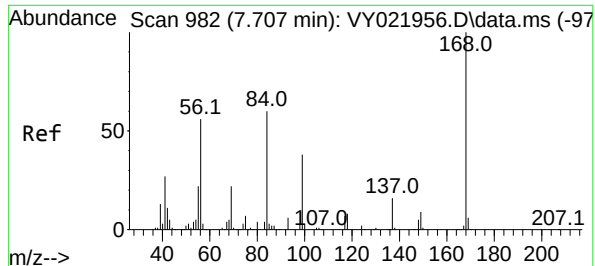
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





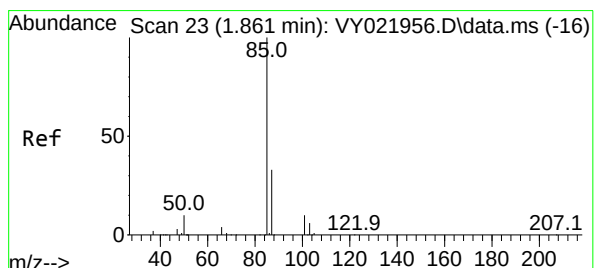
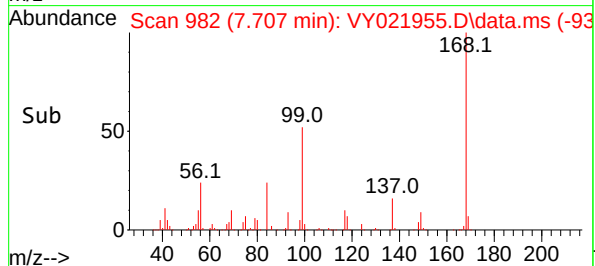
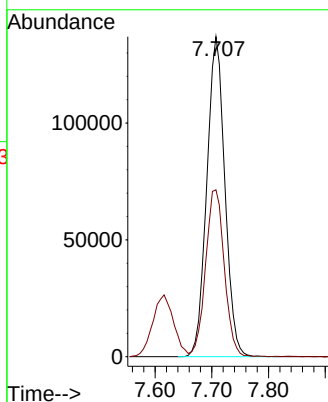
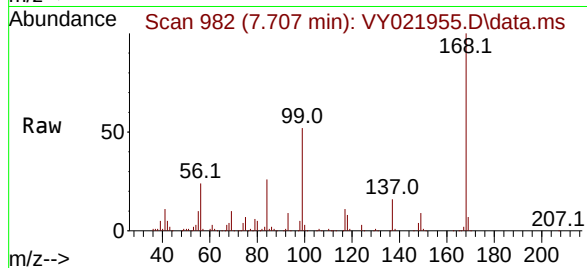
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 30278
Ion Ratio Lower Upper
168 100
99 52.1 43.1 64.7

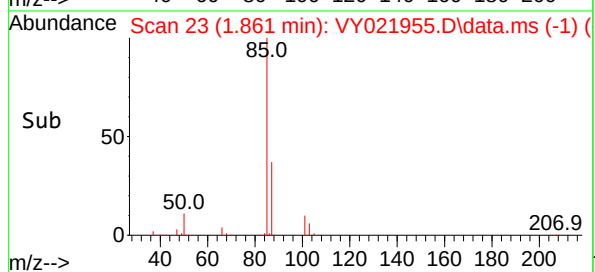
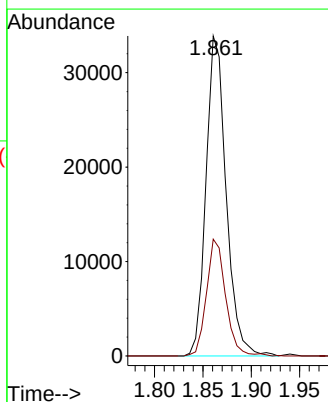
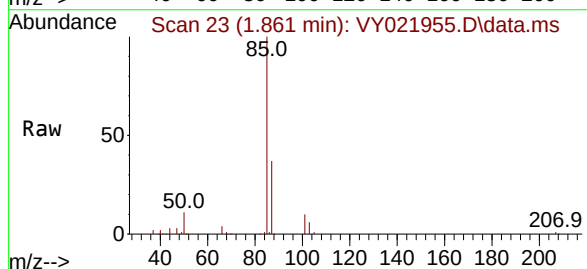
Manual Integrations
APPROVED

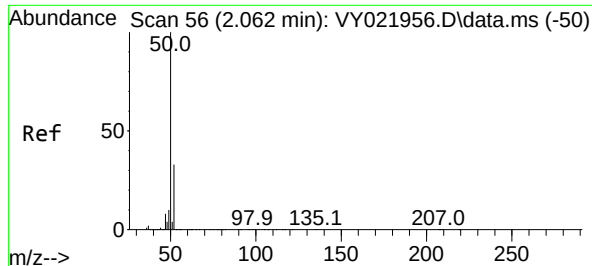
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 19.018 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

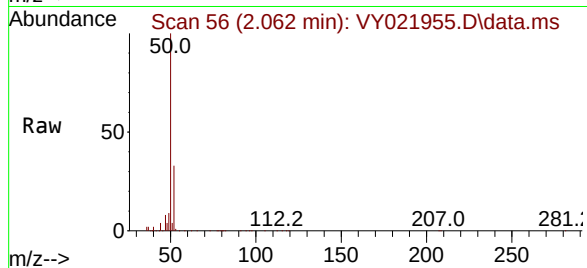
Tgt Ion: 85 Resp: 49065
Ion Ratio Lower Upper
85 100
87 36.5 16.6 49.7





#3
Chloromethane
Concen: 20.957 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

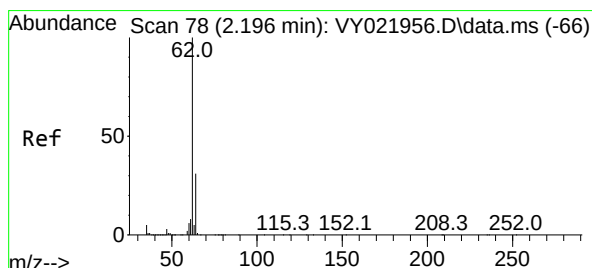
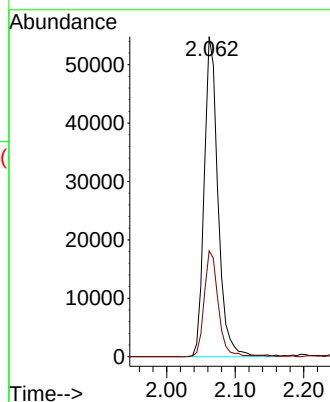
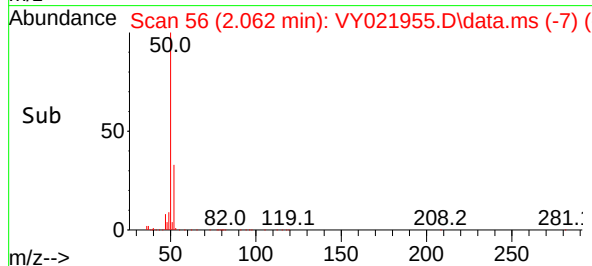
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 76990
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1

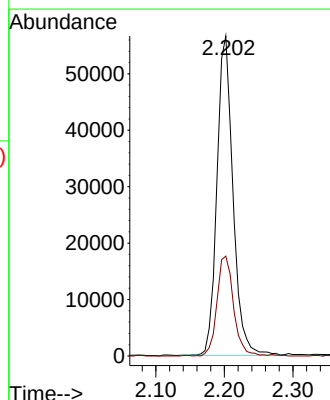
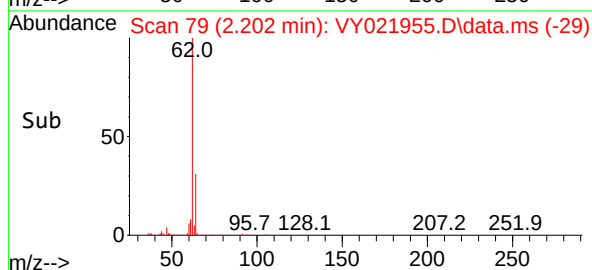
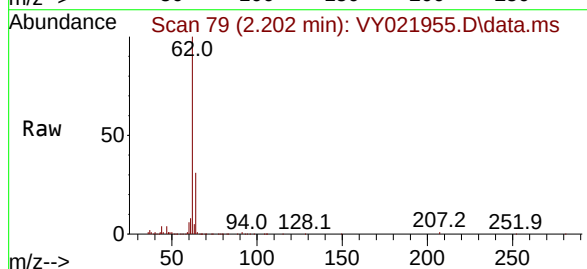
Manual Integrations
APPROVED

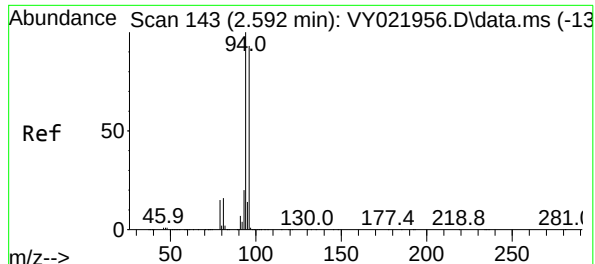
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 20.326 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

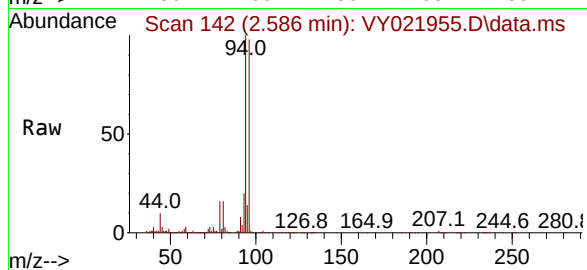
Tgt Ion: 62 Resp: 91757
Ion Ratio Lower Upper
62 100
64 31.3 25.1 37.7





#5
Bromomethane
Concen: 20.981 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

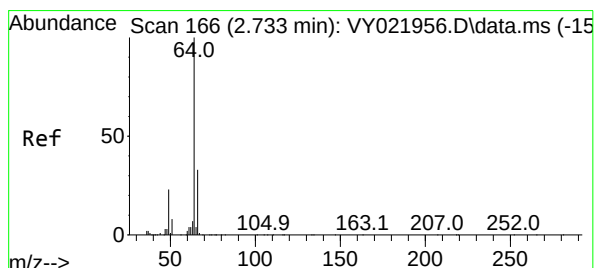
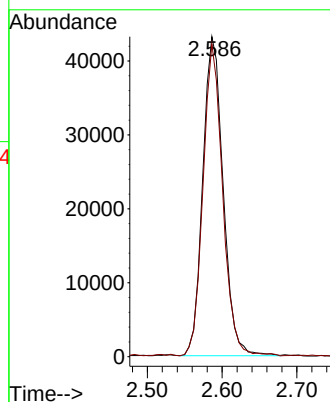
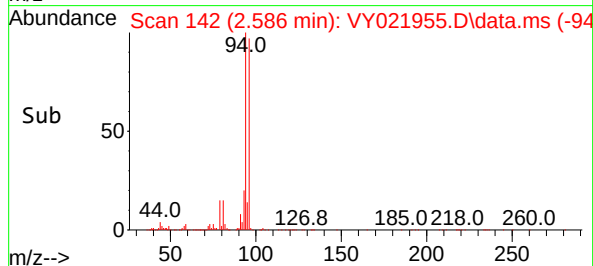
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 81602
Ion Ratio Lower Upper
94 100
96 97.7 74.6 111.8

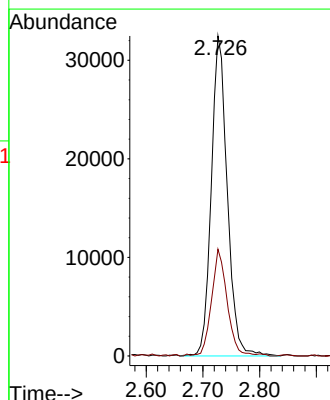
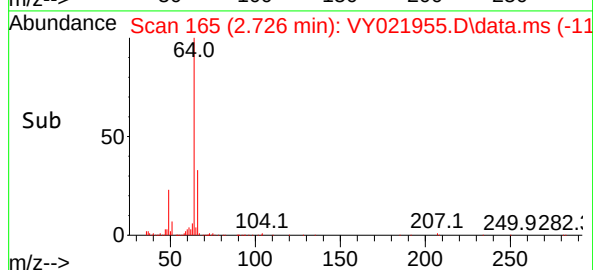
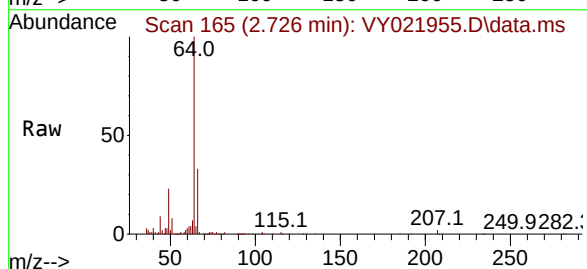
Manual Integrations
APPROVED

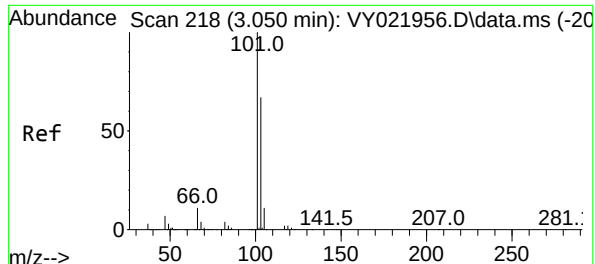
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 20.654 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

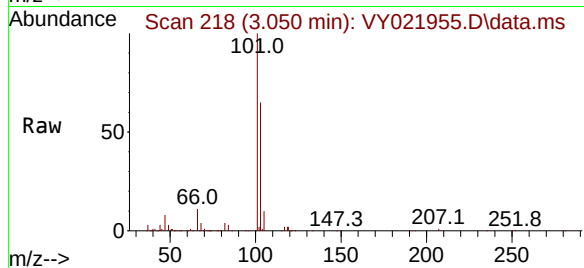
Tgt Ion: 64 Resp: 63501
Ion Ratio Lower Upper
64 100
66 33.3 26.2 39.4





#7
Trichlorofluoromethane
Concen: 20.079 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

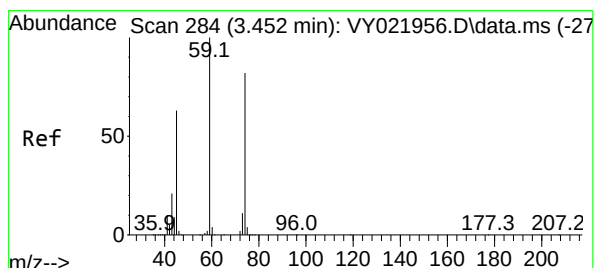
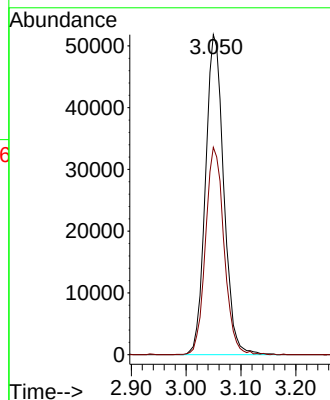
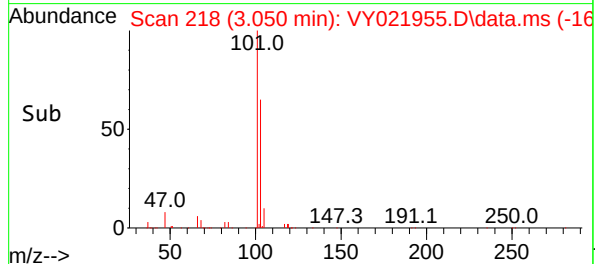
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 101 Resp: 119529
Ion Ratio Lower Upper
101 100
103 64.8 53.6 80.4

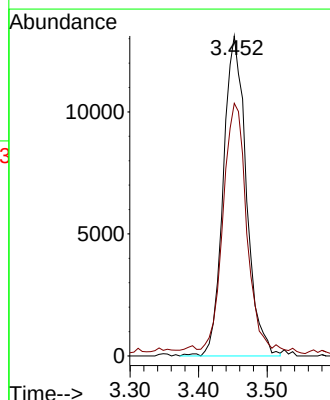
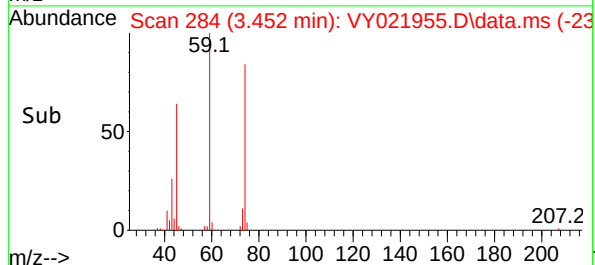
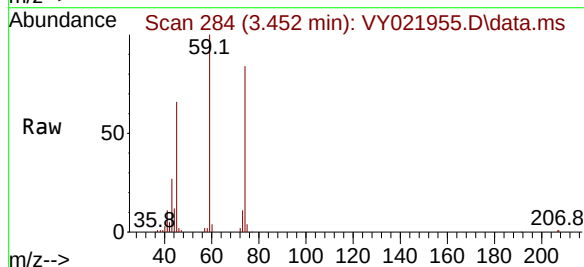
Manual Integrations
APPROVED

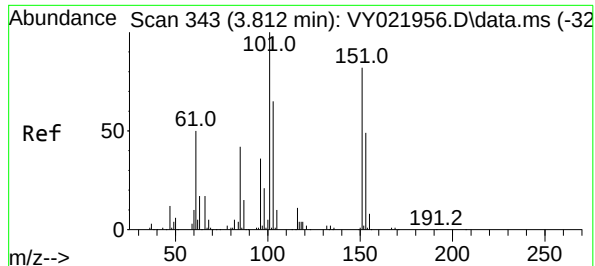
Reviewed By : Semsettin Yesilyurt 04/23/2025
Supervised By : Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 19.755 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 74 Resp: 30609
Ion Ratio Lower Upper
74 100
45 81.9 39.1 117.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.872 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

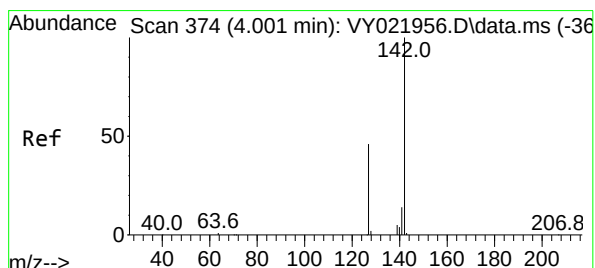
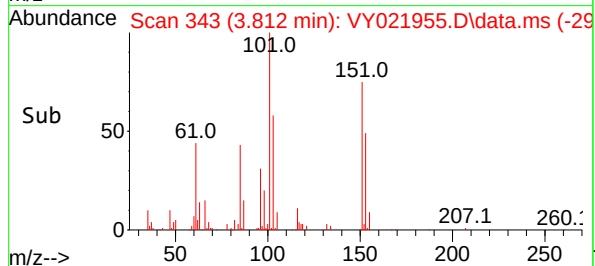
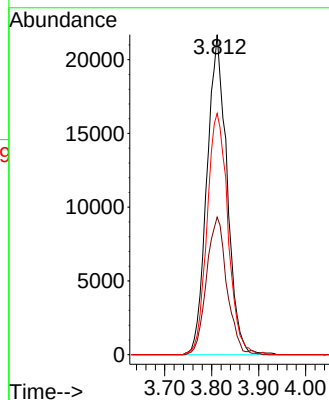
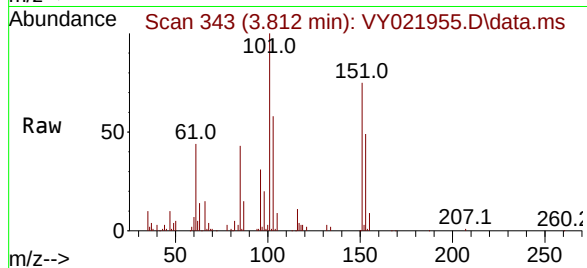
VSTDICC020

Tgt Ion:	101	Resp:	6417
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.6	51.8
151	78.5	63.7	95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10

Methyl Iodide

Concen: 19.575 ug/l

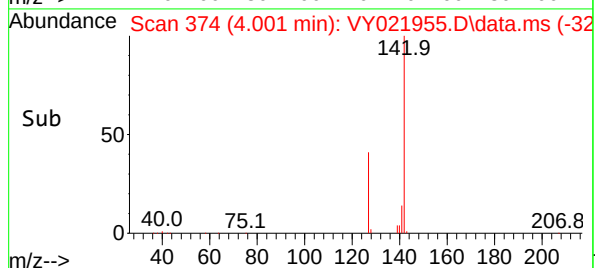
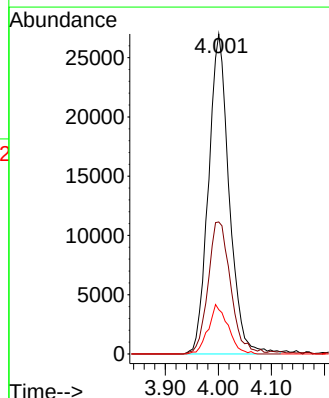
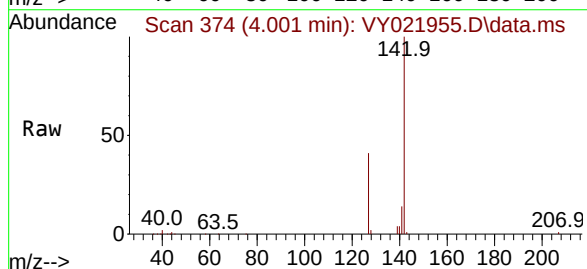
RT: 4.001 min Scan# 374

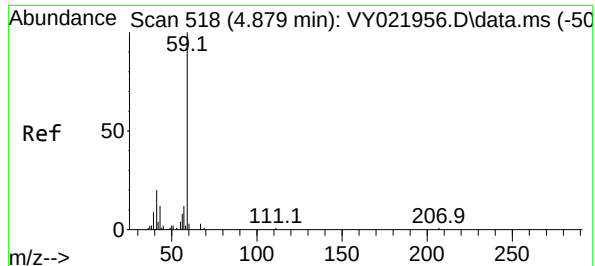
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	142	Resp:	73189
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.2	54.2
141	14.8	11.7	17.5





#11

Tert butyl alcohol

Concen: 108.012 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 16584

Ion Ratio Lower Upper

59 100

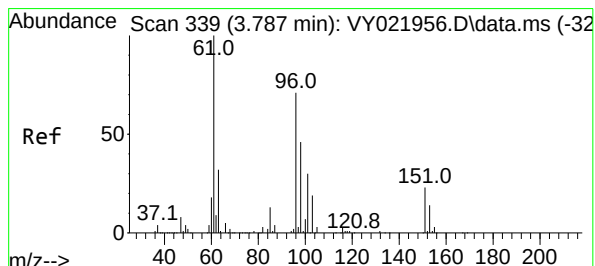
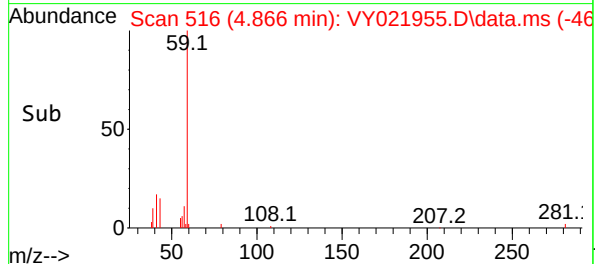
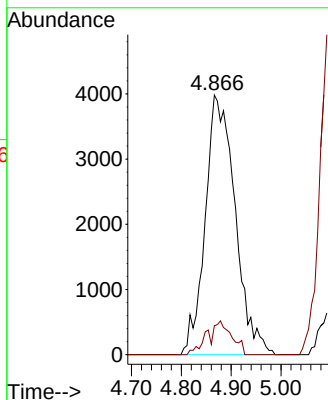
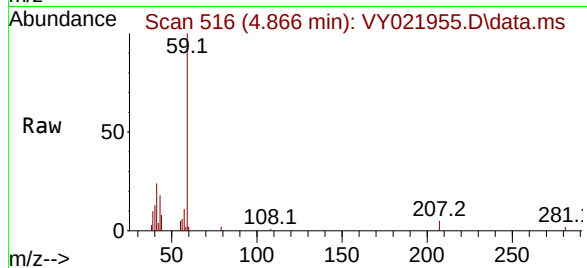
57 7.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 19.437 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

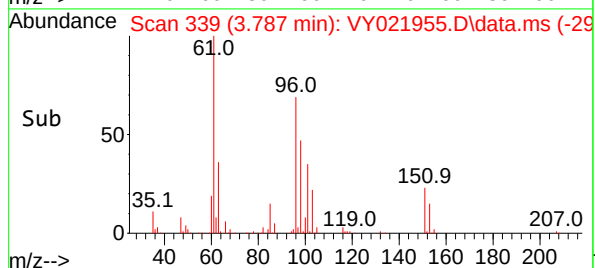
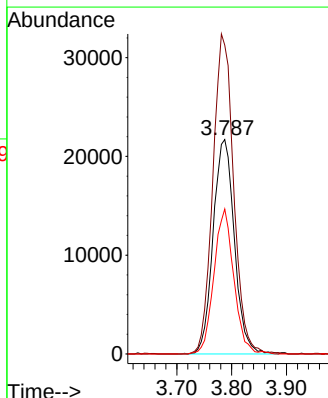
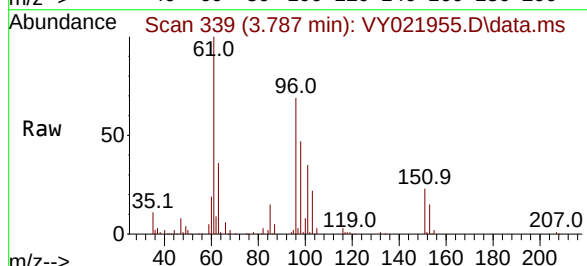
Tgt Ion: 96 Resp: 58505

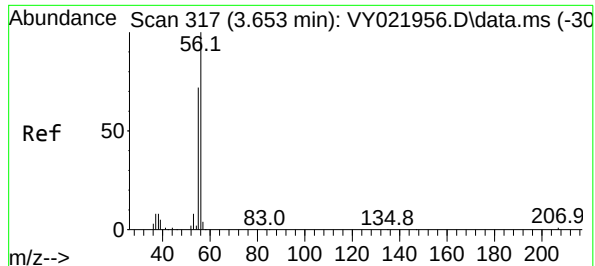
Ion Ratio Lower Upper

96 100

61 144.0 113.0 169.4

98 67.6 51.4 77.2





#13

Acrolein

Concen: 112.069 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 3088

Ion Ratio Lower Upper

56 100

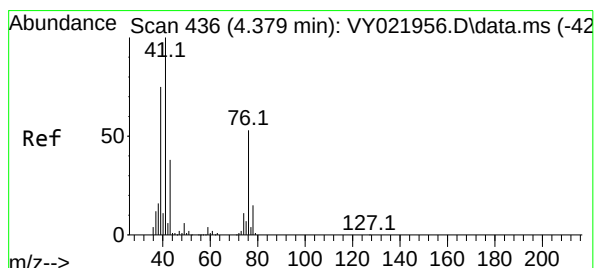
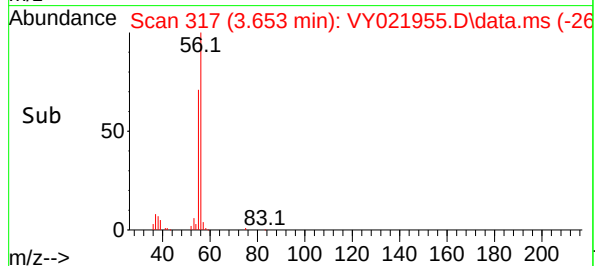
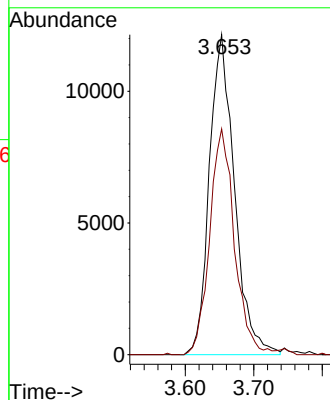
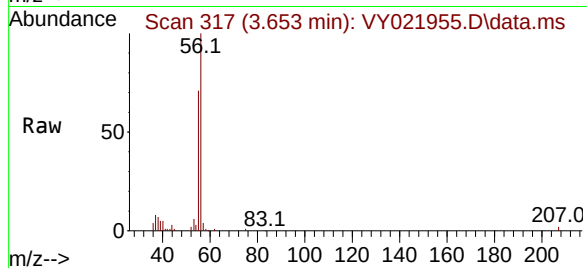
55 69.8 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 19.294 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

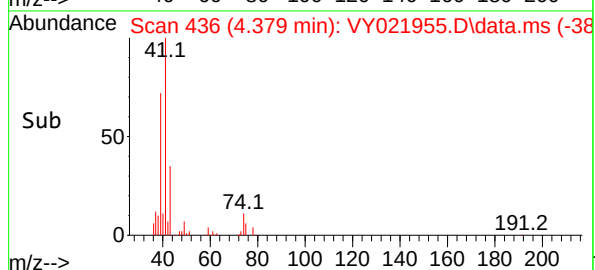
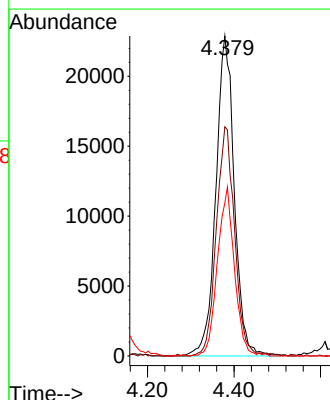
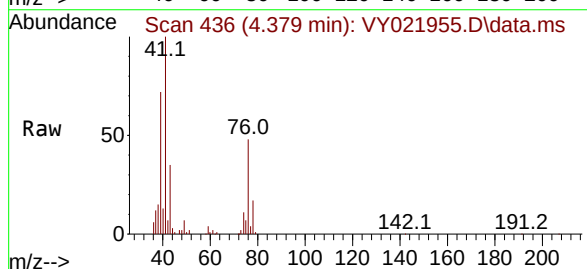
Tgt Ion: 41 Resp: 67622

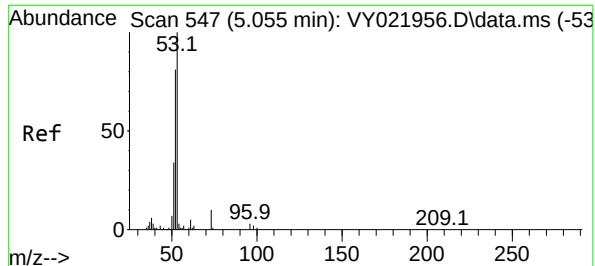
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 48.5 39.7 59.5





#15

Acrylonitrile

Concen: 105.648 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

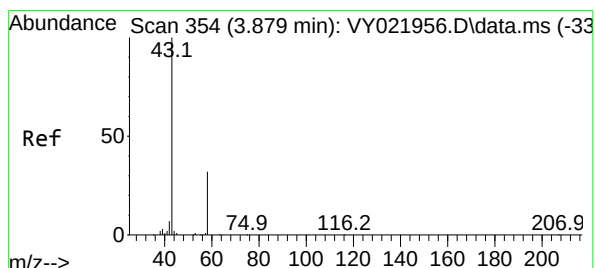
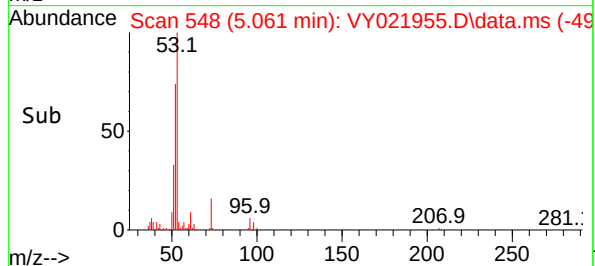
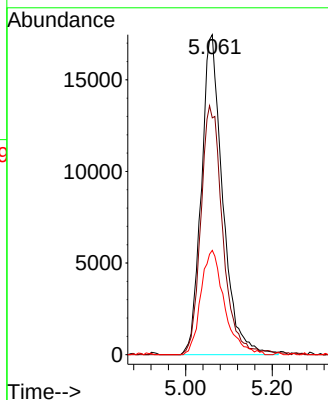
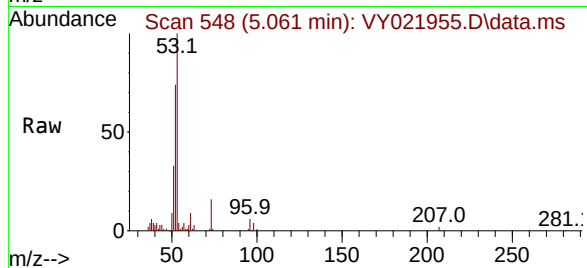
VSTDICC020

Tgt Ion:	53	Resp:	59920
Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.0	97.6
51	36.0	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 96.689 ug/l

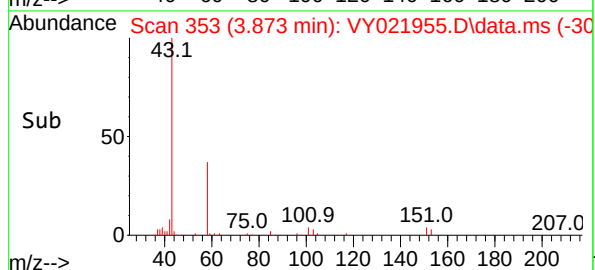
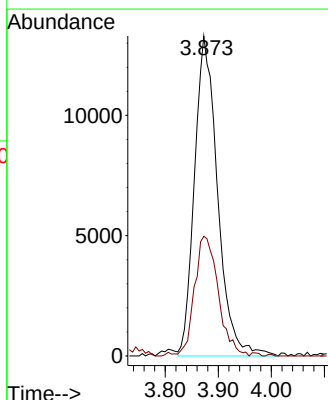
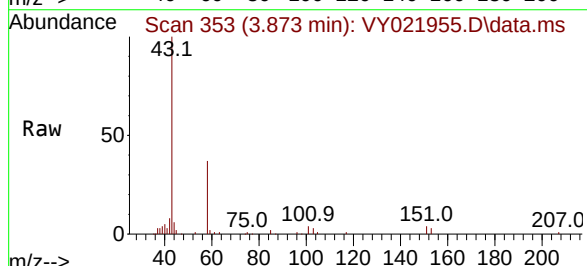
RT: 3.873 min Scan# 353

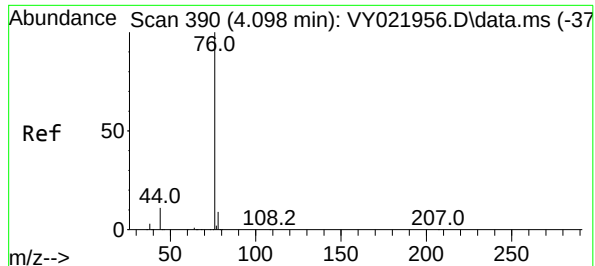
Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	43	Resp:	40190
Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.0	40.4





#17

Carbon Disulfide

Concen: 19.796 ug/l

RT: 4.098 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 18998

Ion Ratio Lower Upper

76 100

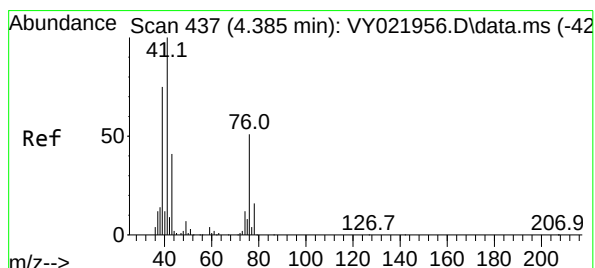
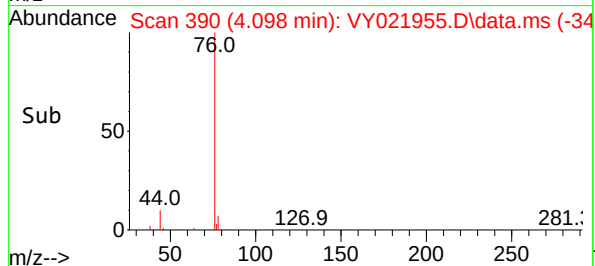
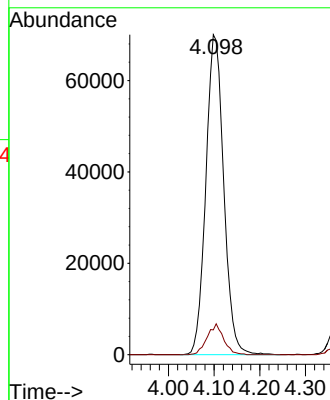
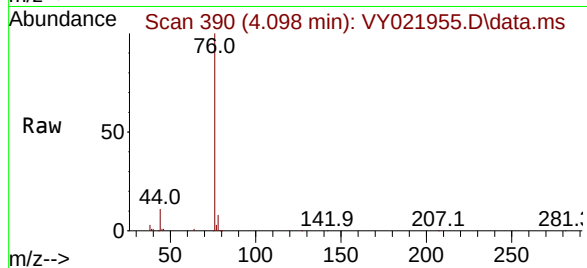
78 7.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#18

Methyl Acetate

Concen: 21.423 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY021955.D

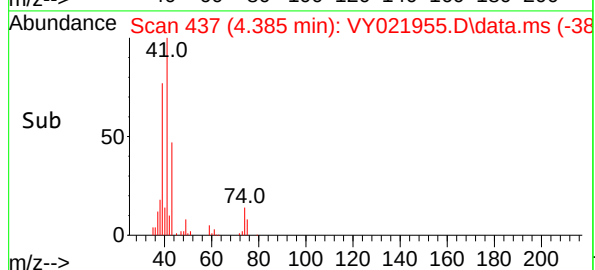
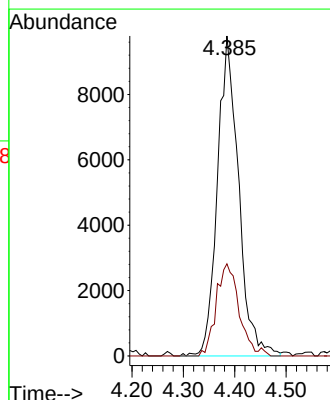
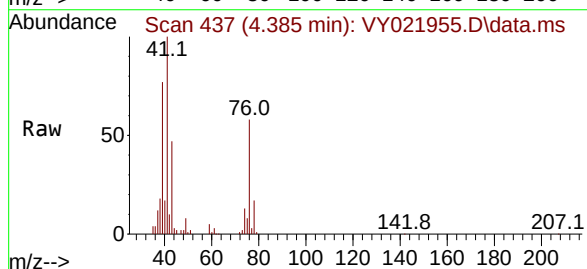
Acq: 22 Apr 2025 15:07

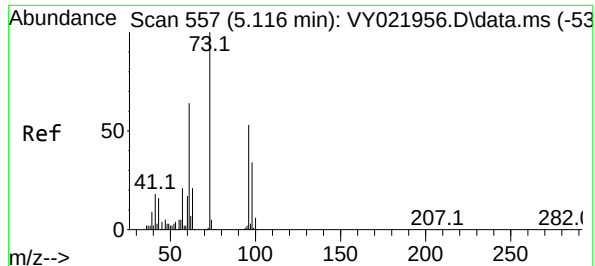
Tgt Ion: 43 Resp: 27988

Ion Ratio Lower Upper

43 100

74 30.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.820 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 13352

Ion Ratio Lower Upper

73 100

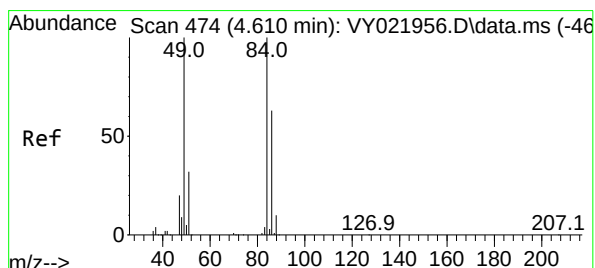
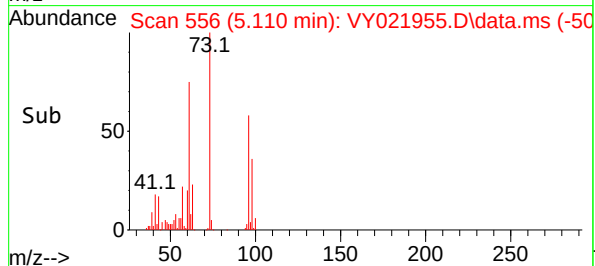
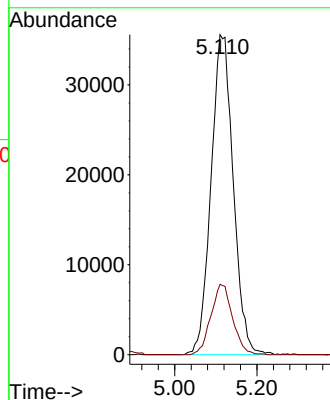
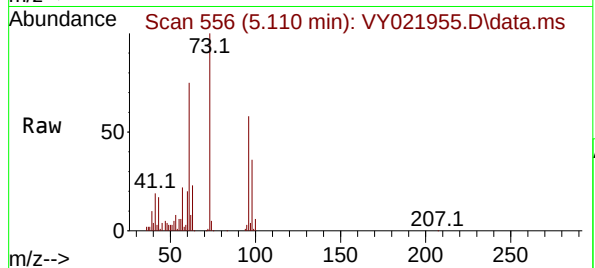
57 22.0 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 19.673 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion: 84 Resp: 69571

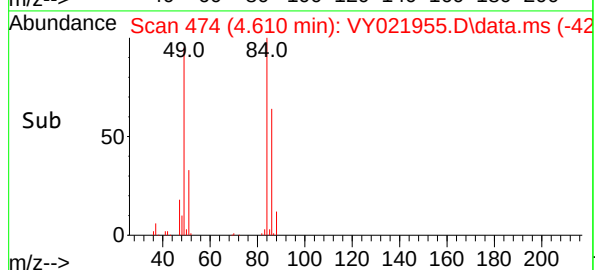
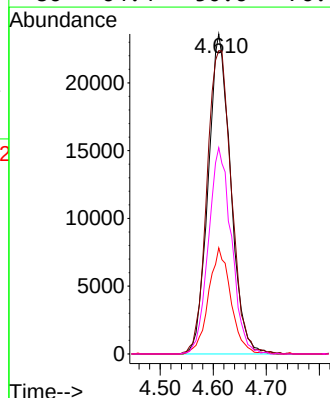
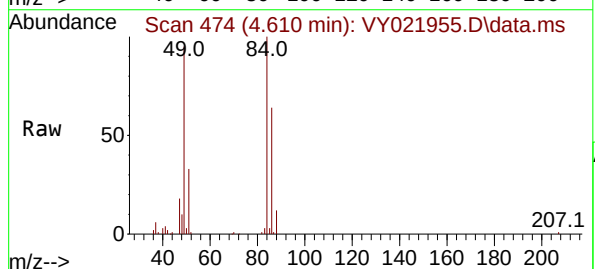
Ion Ratio Lower Upper

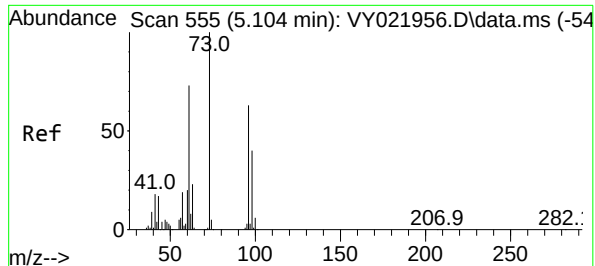
84 100

49 94.8 79.9 119.9

51 33.2 25.4 38.0

86 64.4 50.6 76.0





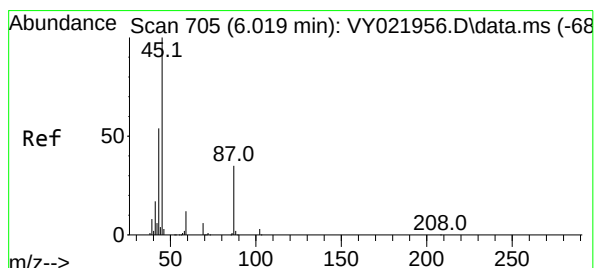
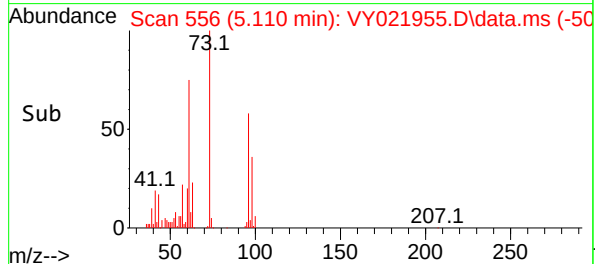
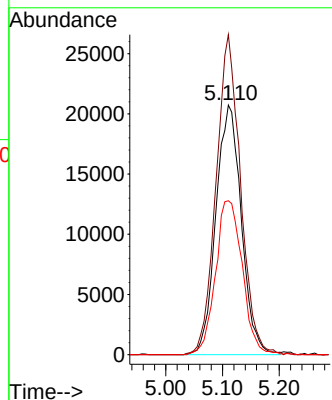
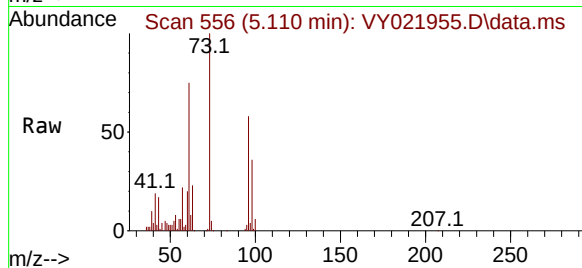
#21
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 6454
Ion Ratio Lower Upper
96 100
61 128.2 92.6 138.8
98 61.7 50.2 75.4

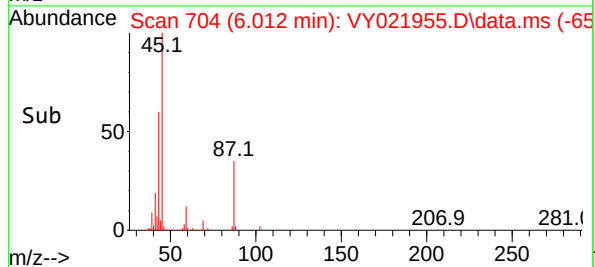
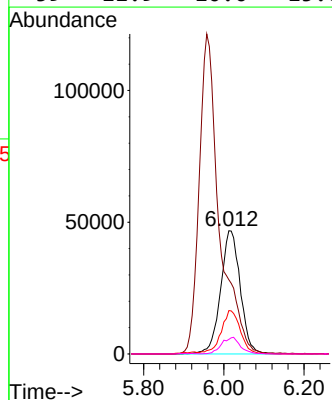
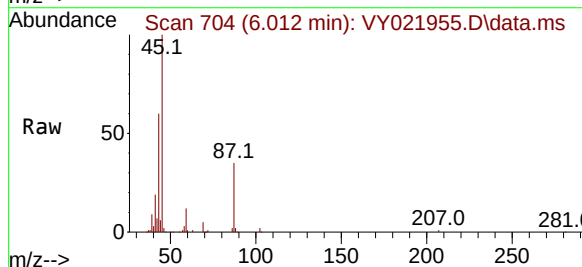
Manual Integrations
APPROVED

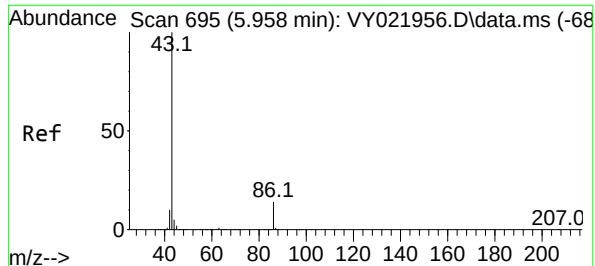
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22
Diisopropyl ether
Concen: 20.439 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 45 Resp: 159414
Ion Ratio Lower Upper
45 100
43 59.8 43.6 65.4
87 35.2 28.2 42.4
59 11.9 10.0 15.0





#23

Vinyl Acetate

Concen: 100.901 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 424128

Ion Ratio Lower Upper

43 100

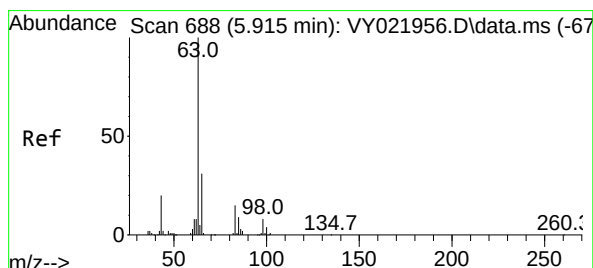
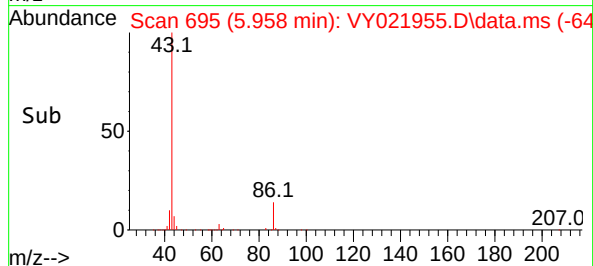
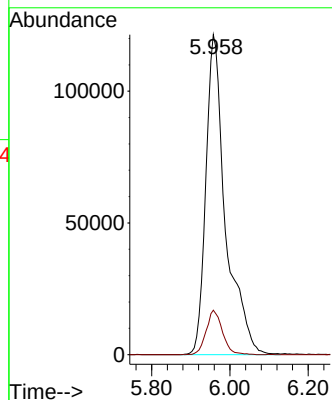
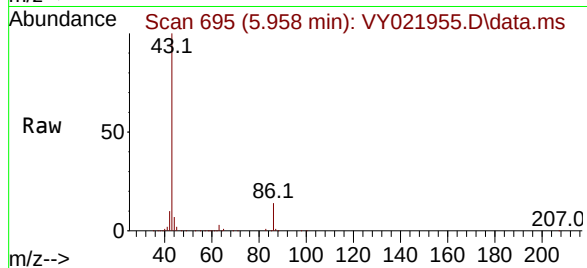
86 13.9 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 20.006 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

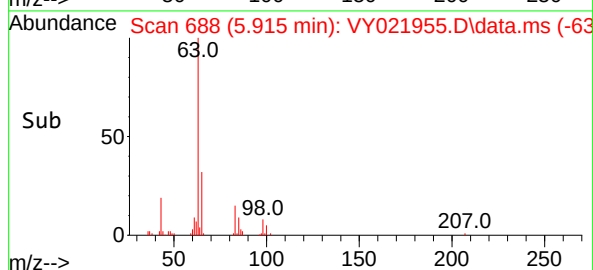
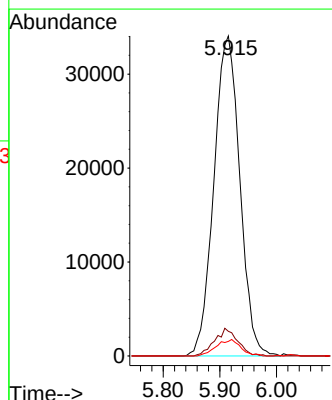
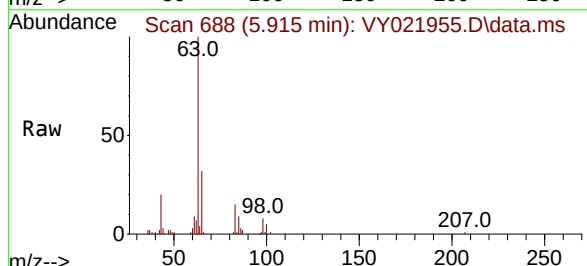
Tgt Ion: 63 Resp: 108156

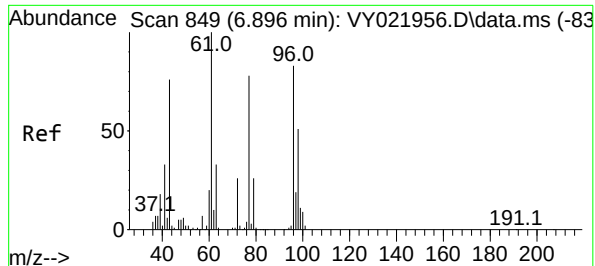
Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 102.688 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 6546

Ion Ratio Lower Upper

43 100

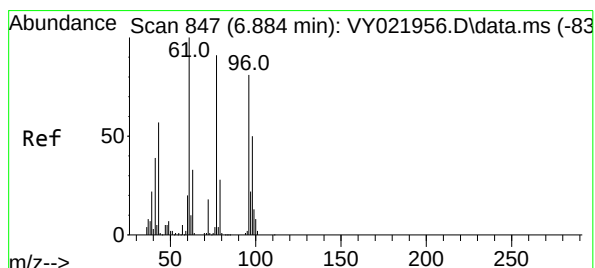
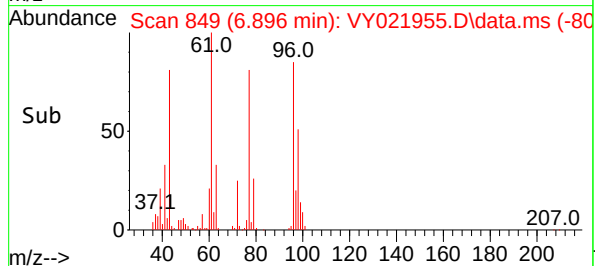
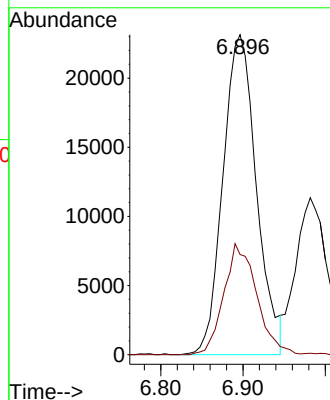
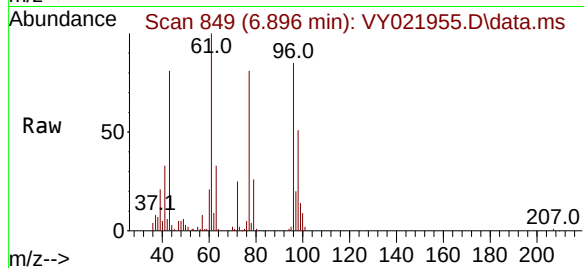
72 31.3 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 19.503 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY021955.D

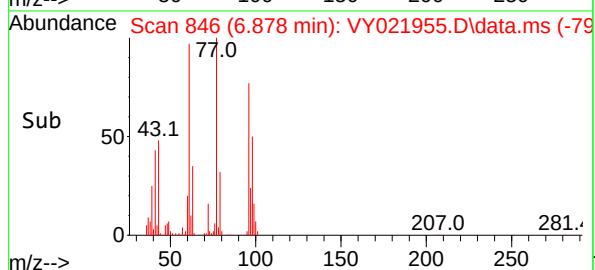
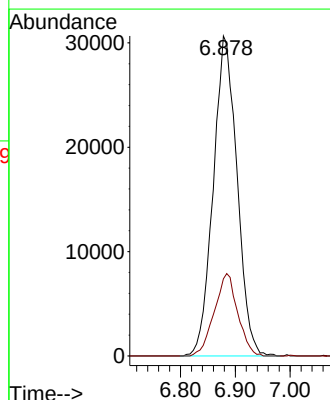
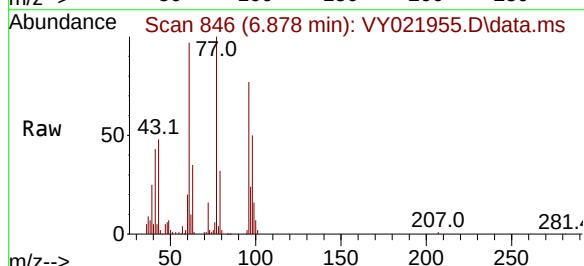
Acq: 22 Apr 2025 15:07

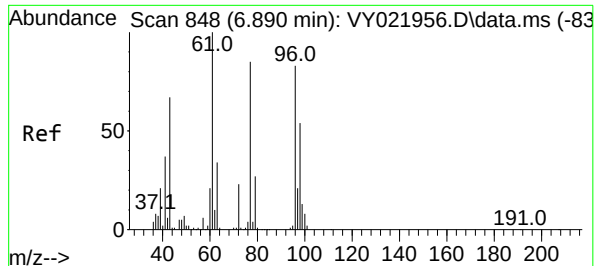
Tgt Ion: 77 Resp: 92415

Ion Ratio Lower Upper

77 100

97 25.3 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 19.398 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

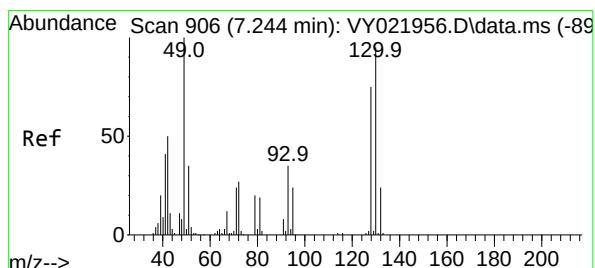
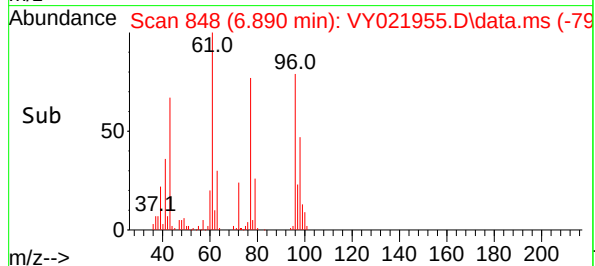
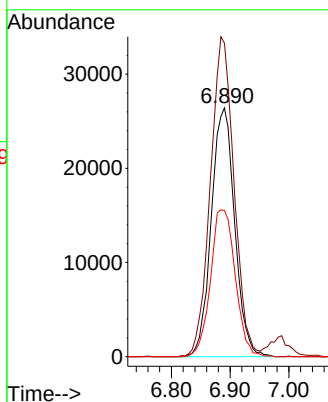
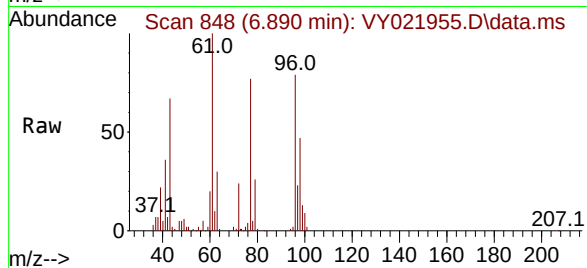
ClientSampleId :

VSTDICC020

Tgt Ion:	96	Resp:	73114
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	251.4
98	62.5	0.0	128.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 21.027 ug/l

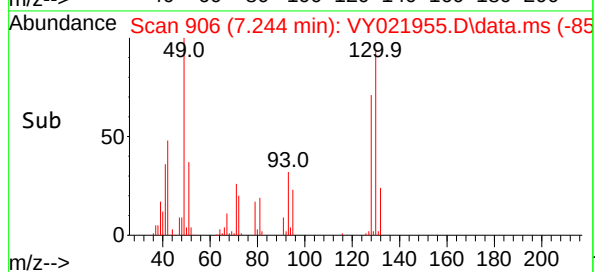
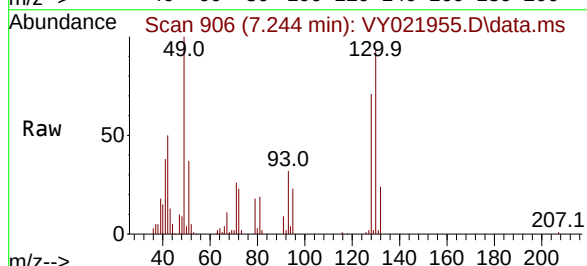
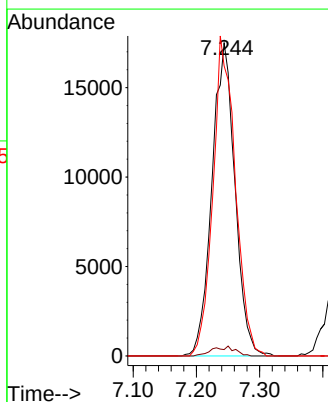
RT: 7.244 min Scan# 906

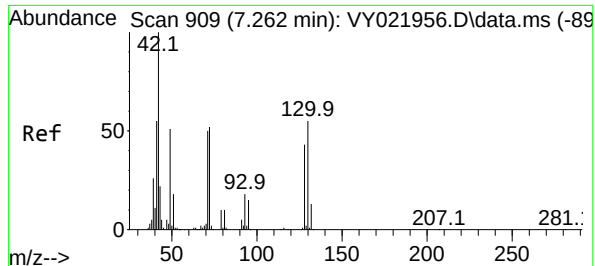
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	49	Resp:	44154
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	99.1	78.2	117.4





#29

Tetrahydrofuran

Concen: 105.459 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 4366

Ion Ratio Lower Upper

42 100

72 53.6 42.6 63.8

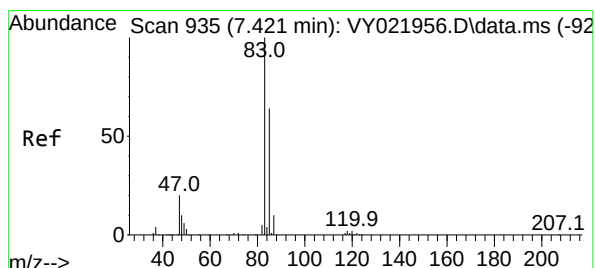
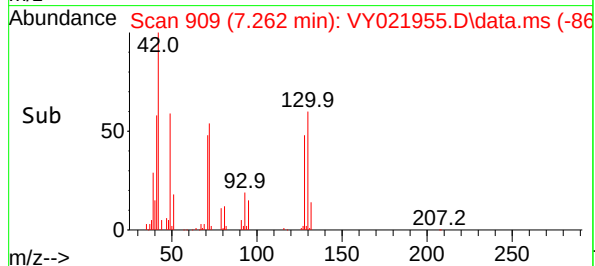
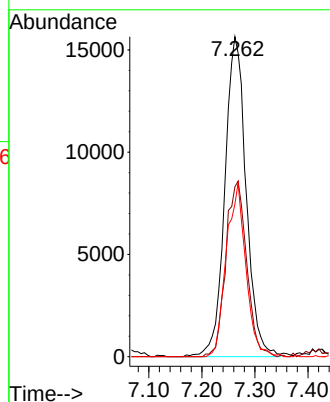
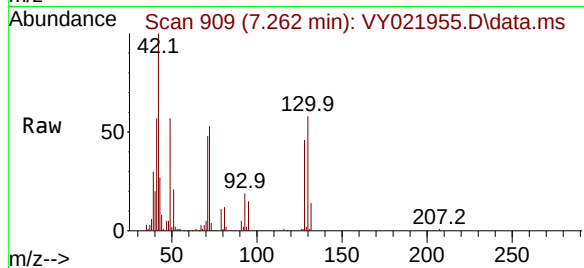
71 50.0 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 19.666 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021955.D

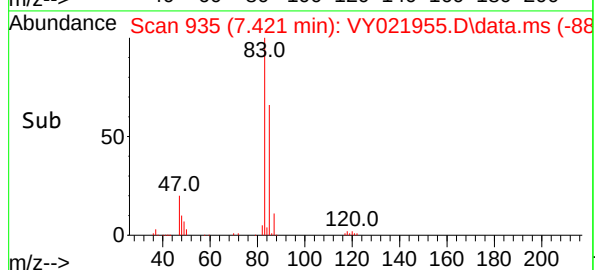
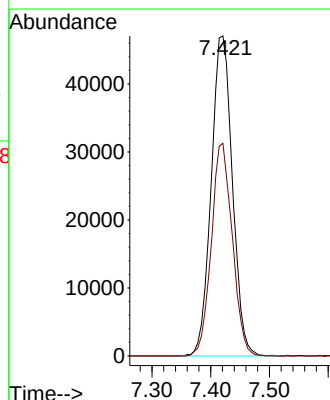
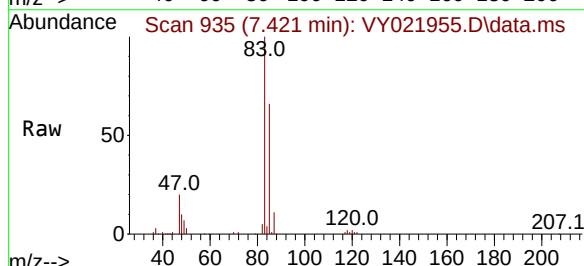
Acq: 22 Apr 2025 15:07

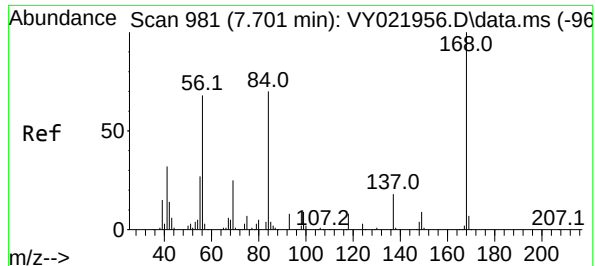
Tgt Ion: 83 Resp: 117934

Ion Ratio Lower Upper

83 100

85 66.5 51.3 76.9





#31

Cyclohexane

Concen: 19.333 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 89380

Ion Ratio Lower Upper

56 100

69 42.3 29.4 44.2

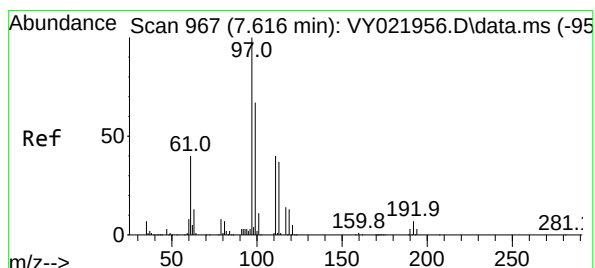
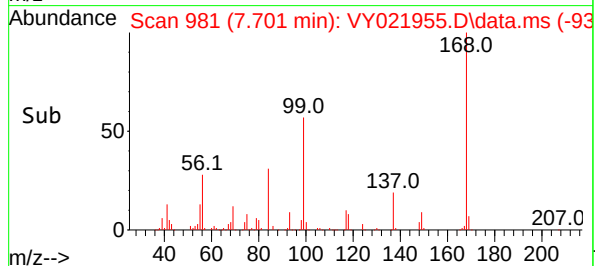
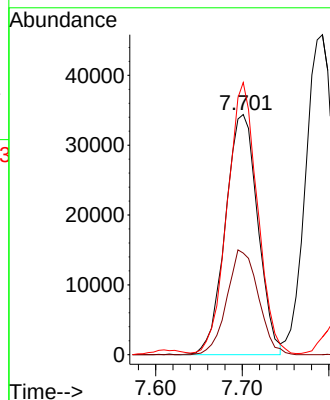
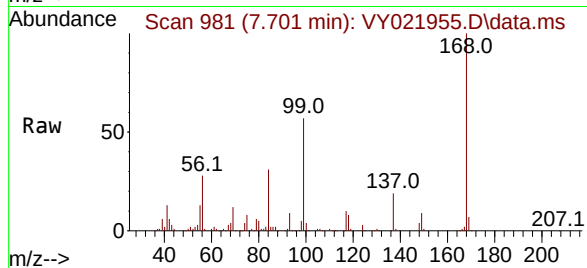
84 112.0 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 19.993 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

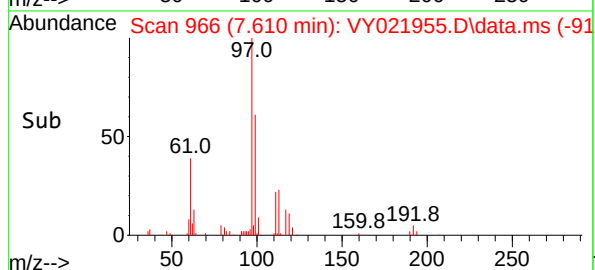
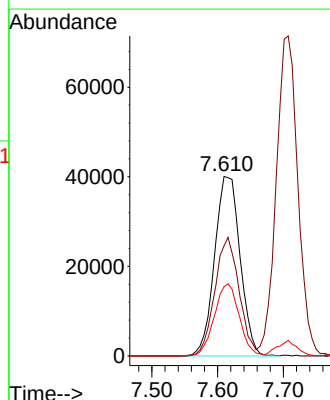
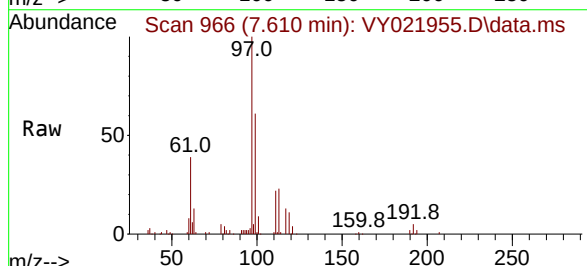
Tgt Ion: 97 Resp: 108468

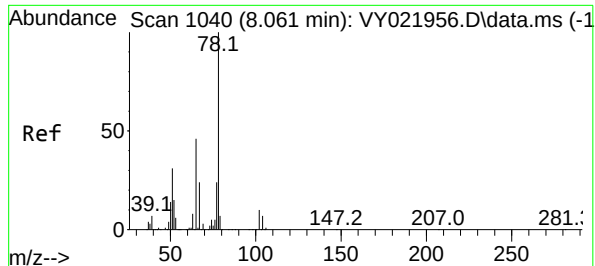
Ion Ratio Lower Upper

97 100

99 62.6 51.4 77.2

61 39.0 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 19.891 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 55629

Ion Ratio Lower Upper

65 100

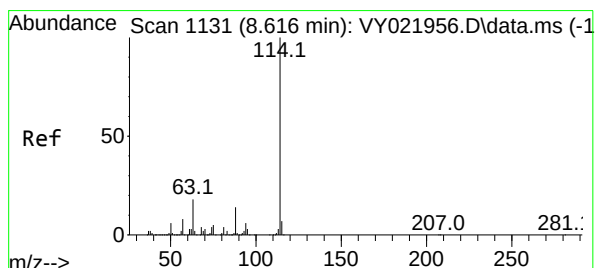
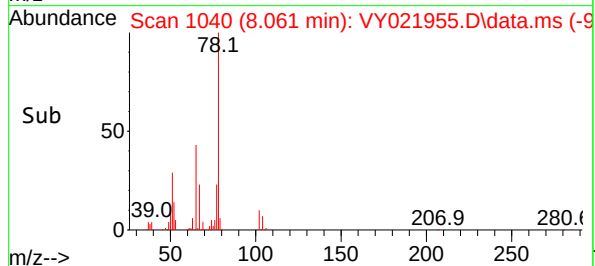
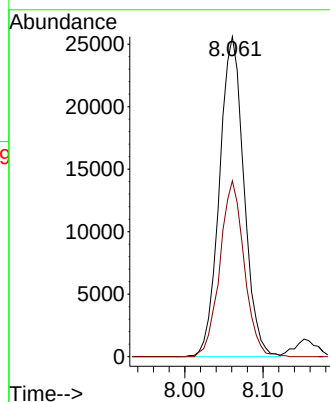
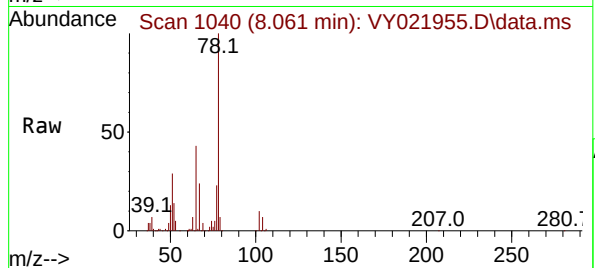
67 54.5 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

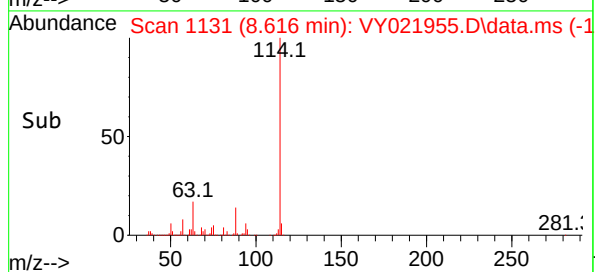
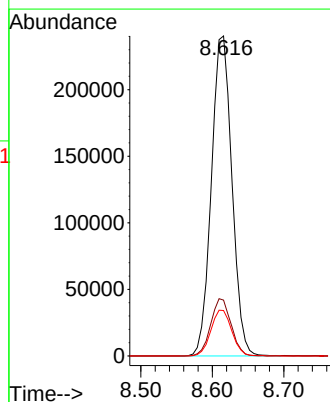
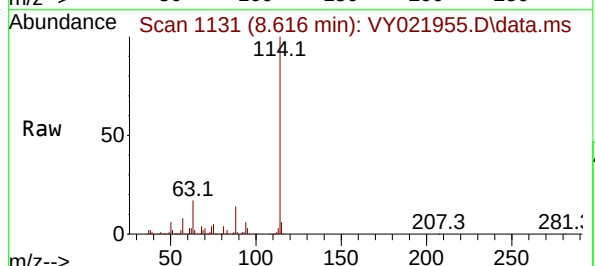
Tgt Ion:114 Resp: 479908

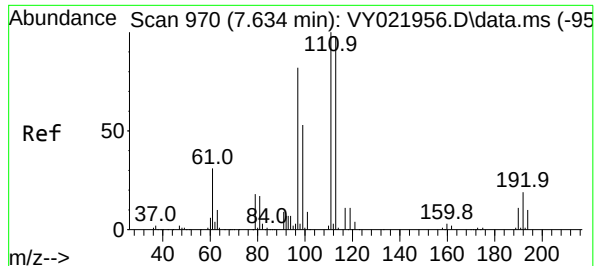
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 20.003 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

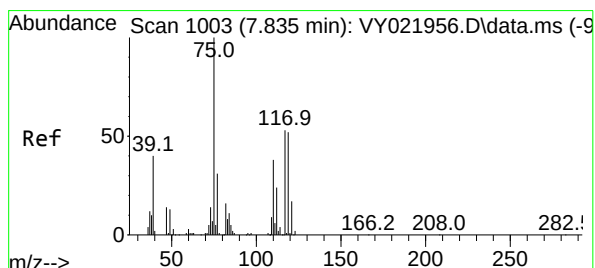
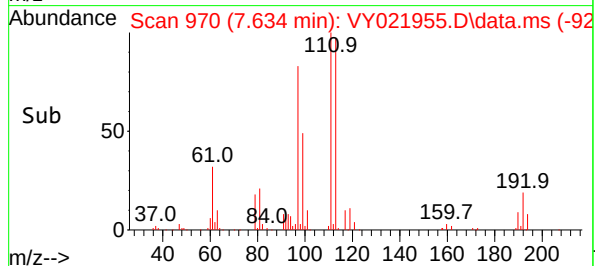
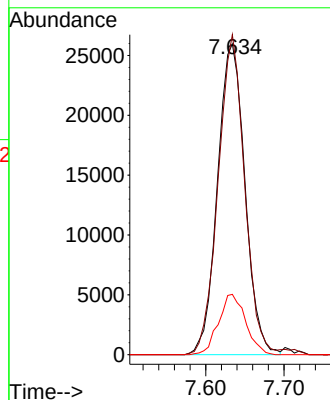
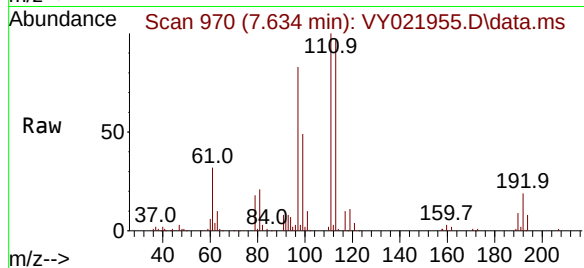
VSTDICC020

Tgt Ion:	113	Resp:	63419
Ion	Ratio	Lower	Upper
113	100		
111	98.7	81.8	122.8
192	19.1	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 19.127 ug/l

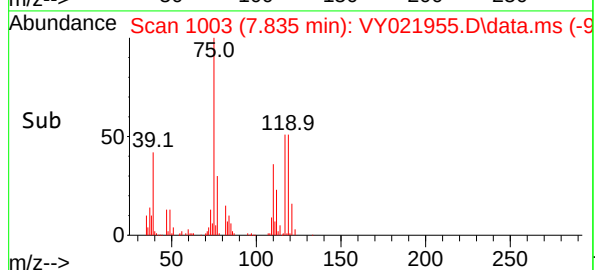
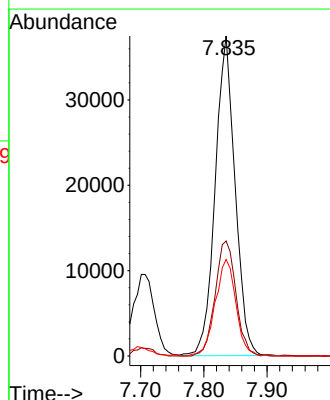
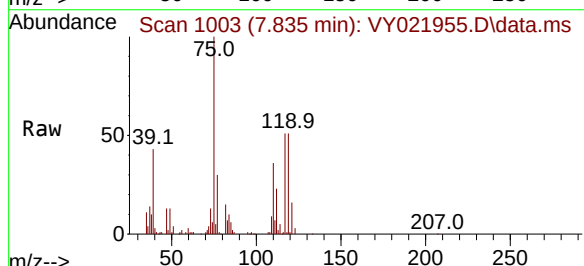
RT: 7.835 min Scan# 1003

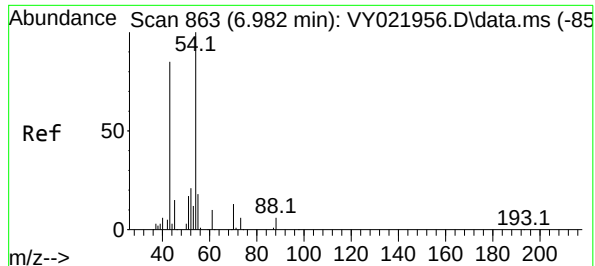
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	75	Resp:	81459
Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.1	57.3
77	31.6	25.5	38.3





#37

Ethyl Acetate

Concen: 20.755 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

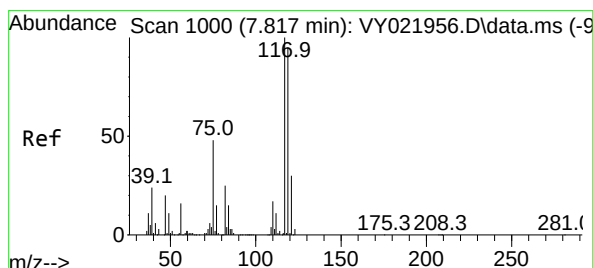
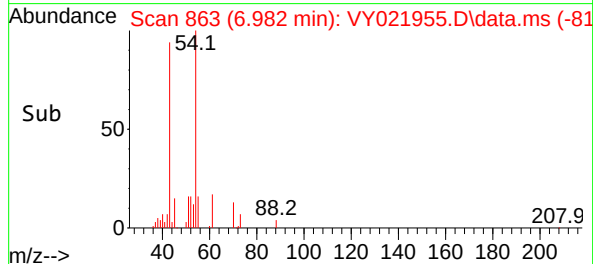
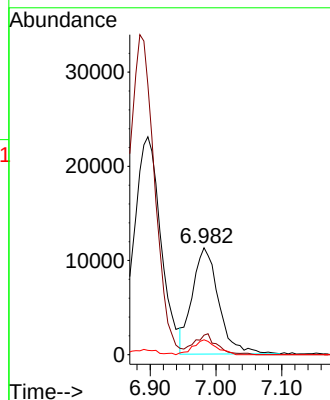
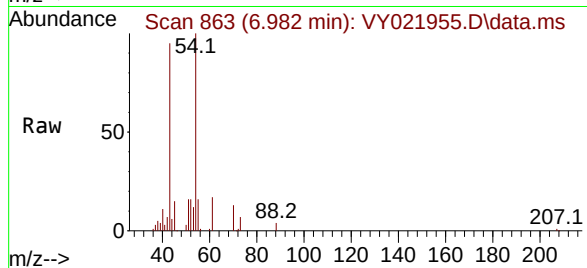
VSTDIC020

Tgt Ion:	43	Resp:	31319
Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	12.2	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 19.318 ug/l

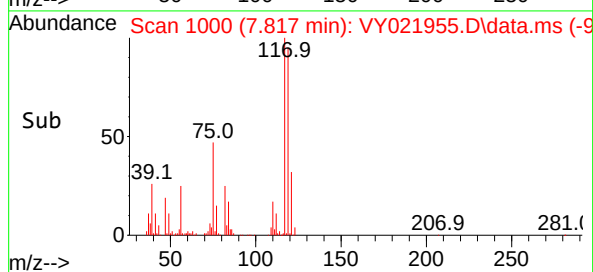
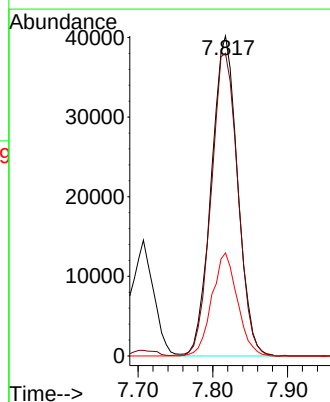
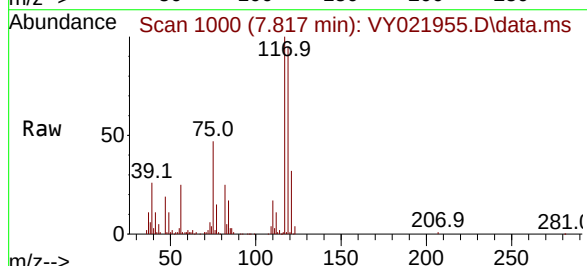
RT: 7.817 min Scan# 1000

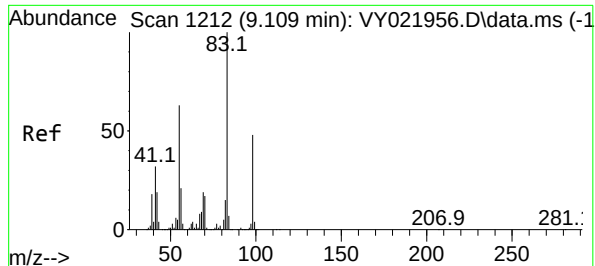
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	117	Resp:	98308
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.2	114.4
121	32.2	24.0	36.0





#39

Methylcyclohexane

Concen: 18.578 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

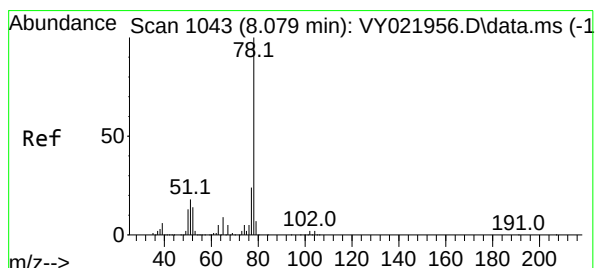
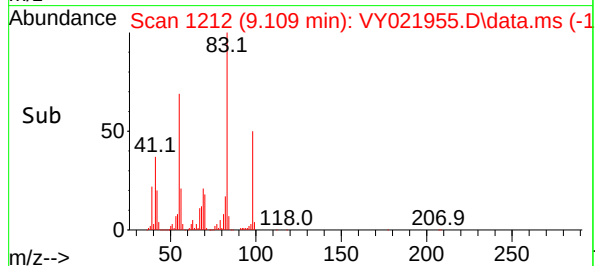
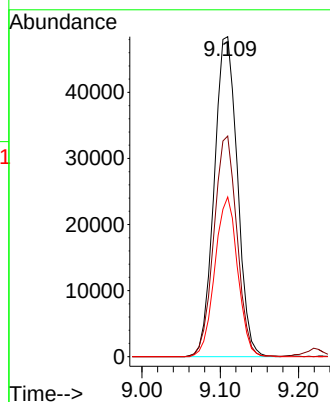
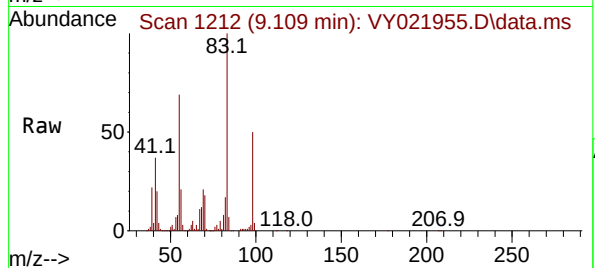
VSTDIC020

Tgt Ion:	83	Resp:	99570
Ion	Ratio	Lower	Upper
83	100		
55	69.0	50.6	75.8
98	49.9	38.6	58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 19.482 ug/l

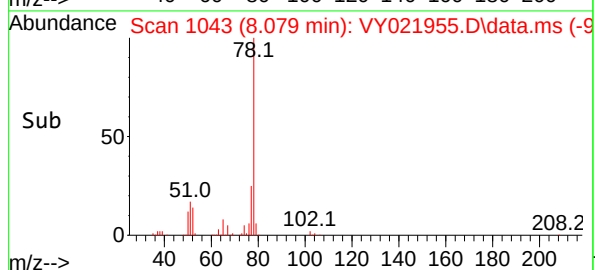
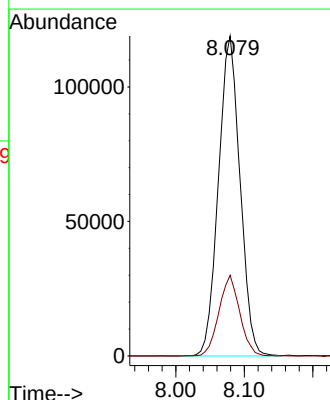
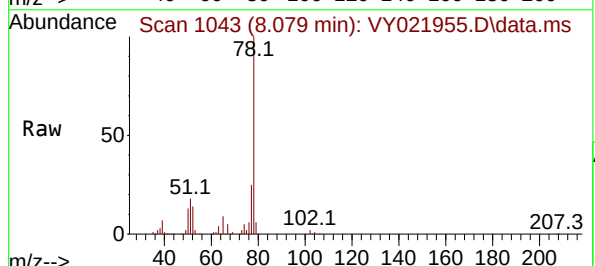
RT: 8.079 min Scan# 1043

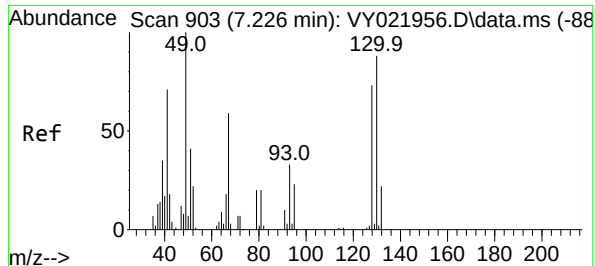
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	78	Resp:	259371
Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.3	28.9





#41

Methacrylonitrile

Concen: 23.846 ug/l m

RT: 7.238 min Scan# 903

Delta R.T. 0.012 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 1994

Ion Ratio Lower Upper

41 100

39 53.3 36.6 55.0

67 0.0 72.2 108.4

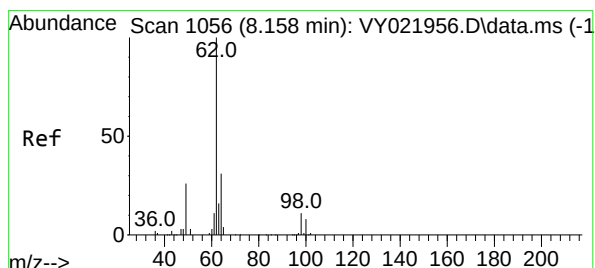
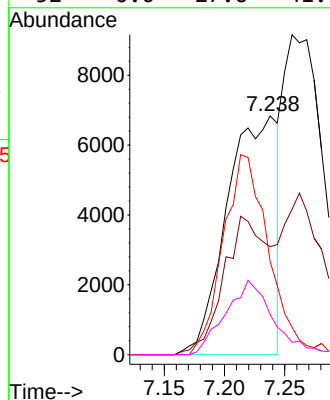
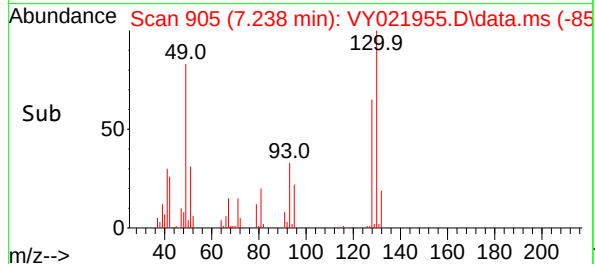
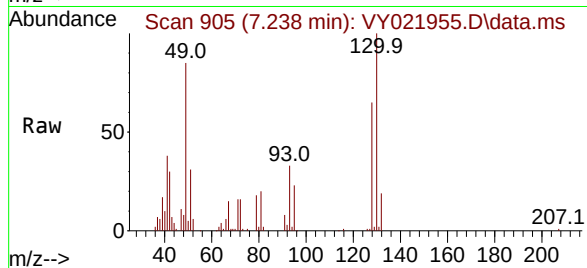
52 0.0 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#42

1,2-Dichloroethane

Concen: 20.398 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY021955.D

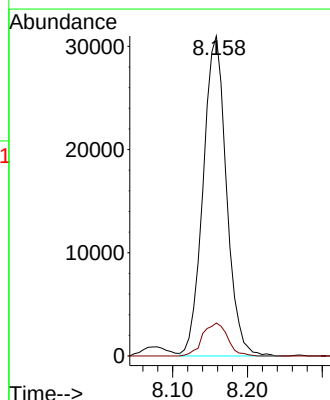
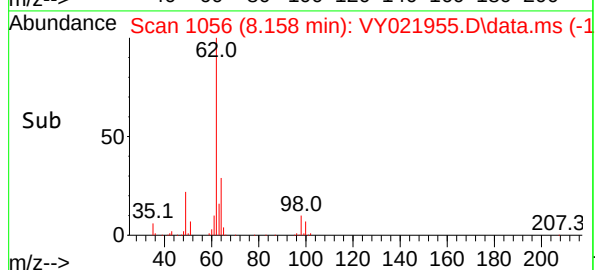
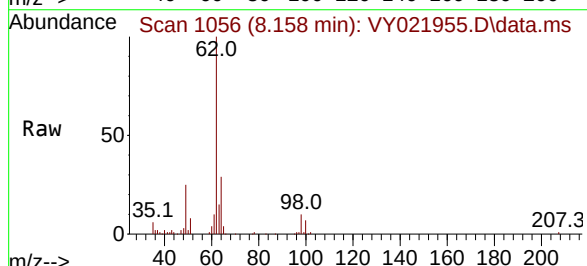
Acq: 22 Apr 2025 15:07

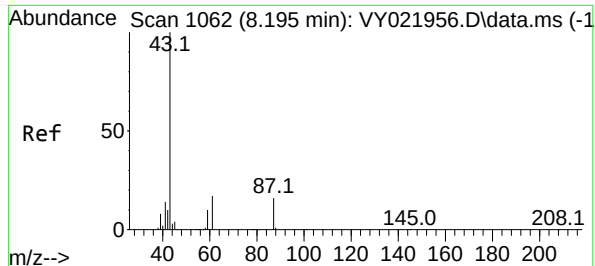
Tgt Ion: 62 Resp: 67235

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 20.495 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

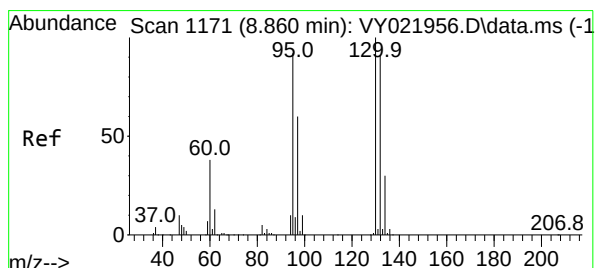
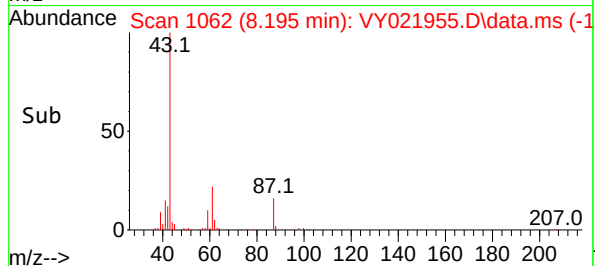
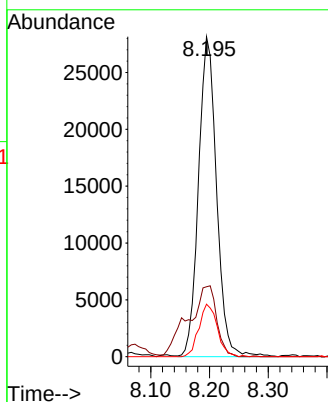
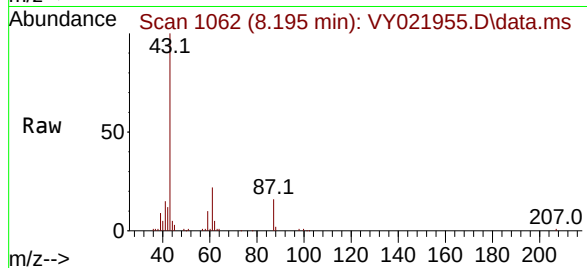
ClientSampleId :

VSTDIC020

Tgt Ion: 43	Resp: 60204
Ion Ratio	Lower Upper
43	100
61	34.7 18.9 28.3
87	16.8 13.7 20.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 19.226 ug/l

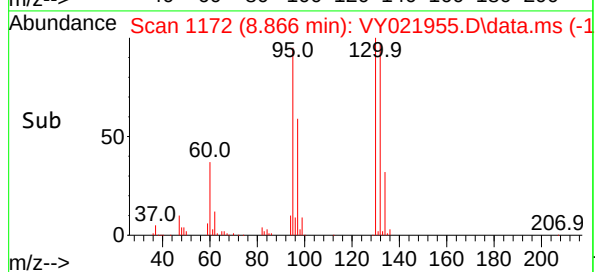
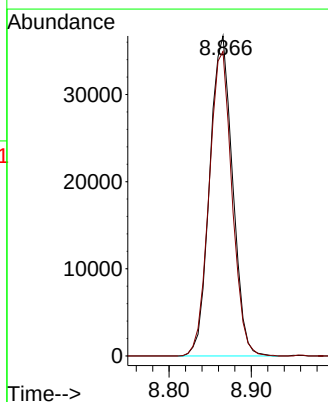
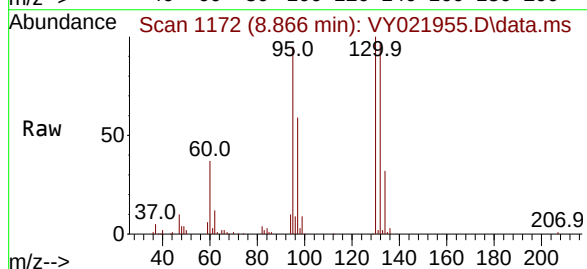
RT: 8.866 min Scan# 1172

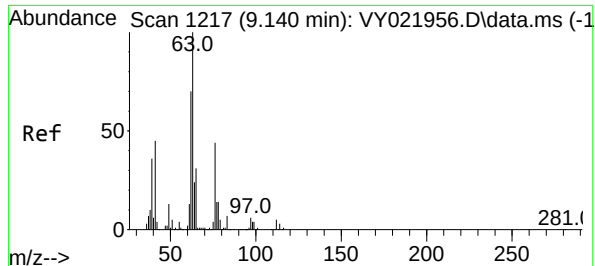
Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:130	Resp: 70896
Ion Ratio	Lower Upper
130	100
95	95.2 0.0 183.2





#45

1,2-Dichloropropane

Concen: 19.678 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 57934

Ion Ratio Lower Upper

63 100

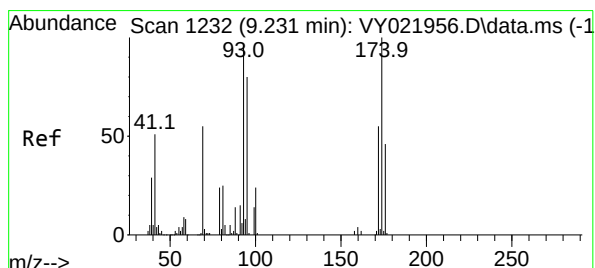
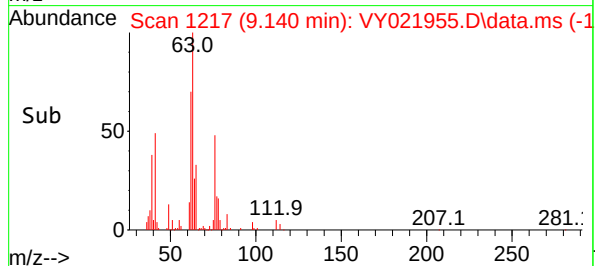
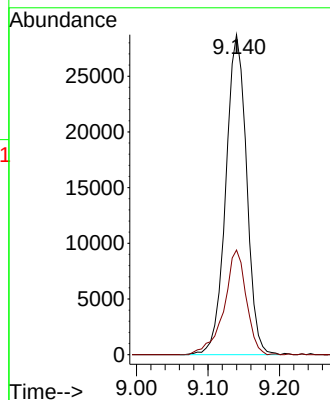
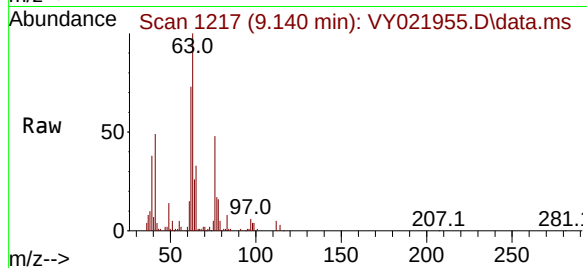
65 32.7 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 20.018 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

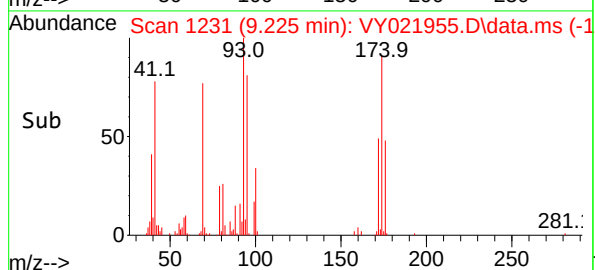
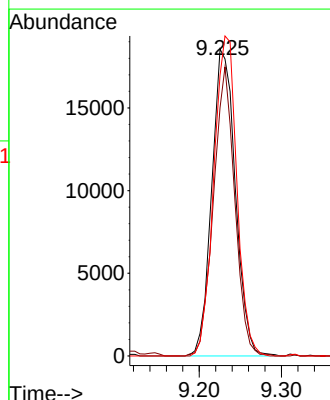
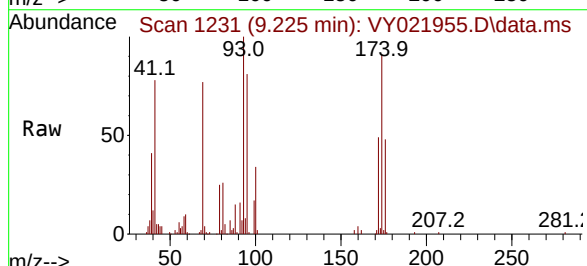
Tgt Ion: 93 Resp: 36893

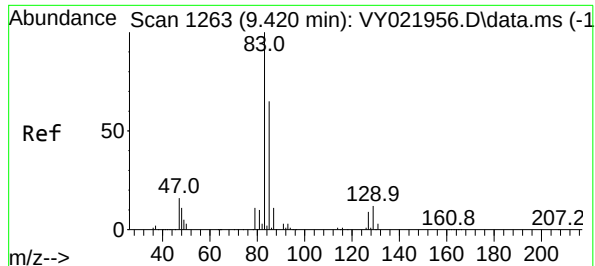
Ion Ratio Lower Upper

93 100

95 85.2 66.7 100.1

174 102.1 84.6 127.0





#47

Bromodichloromethane

Concen: 19.341 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

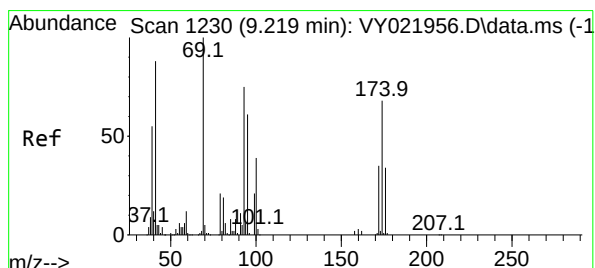
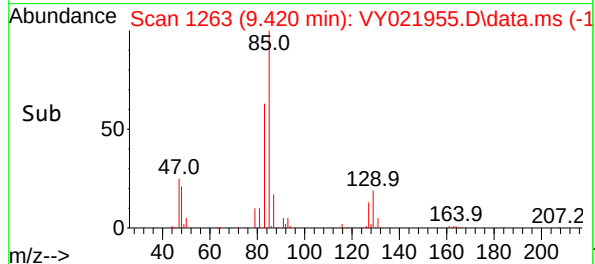
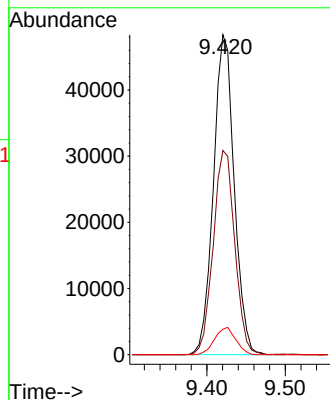
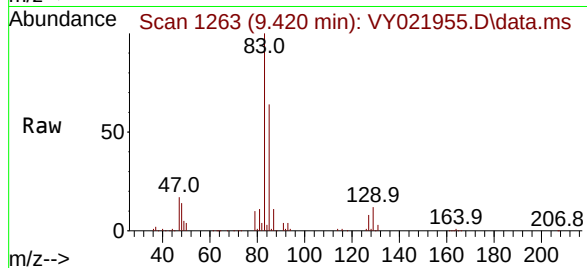
VSTDICC020

Tgt Ion:	83	Resp:	89049
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8
127	8.0	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 20.775 ug/l

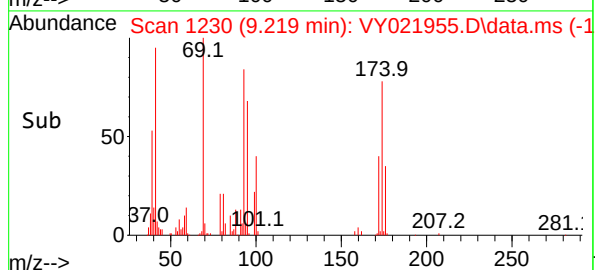
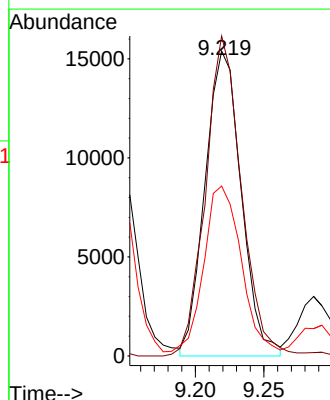
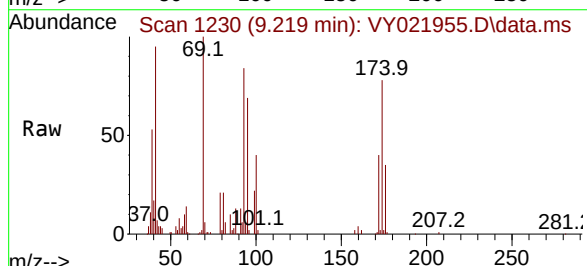
RT: 9.219 min Scan# 1230

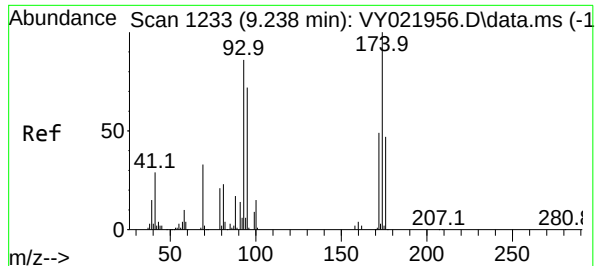
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	41	Resp:	28211
Ion	Ratio	Lower	Upper
41	100		
69	104.1	85.5	128.3
39	55.5	46.2	69.4





#49

1,4-Dioxane

Concen: 432.566 ug/l

RT: 9.237 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

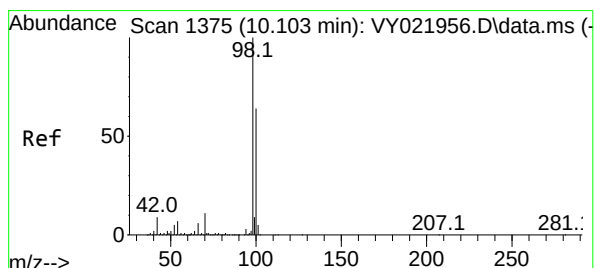
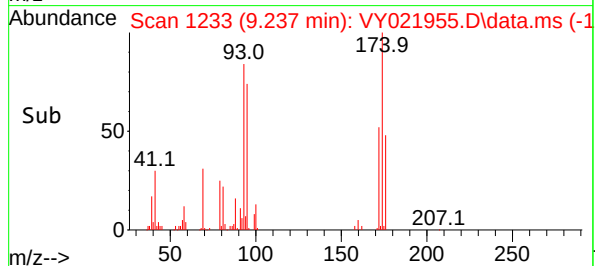
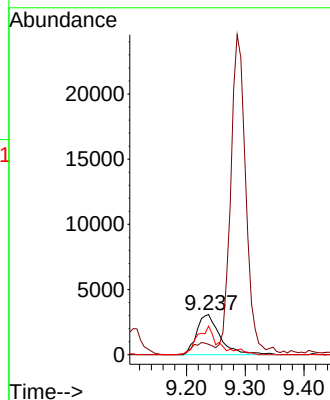
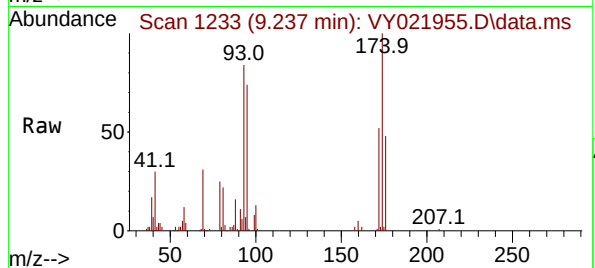
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	849
Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.3	31.9
58	59.2	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 19.446 ug/l

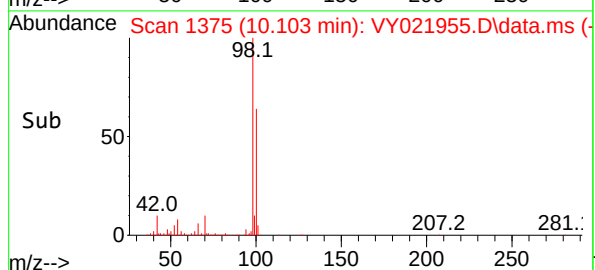
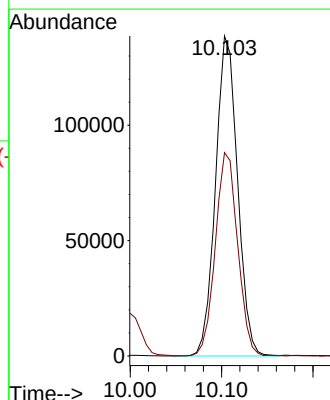
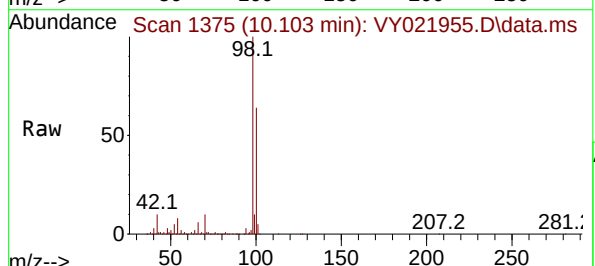
RT: 10.103 min Scan# 1375

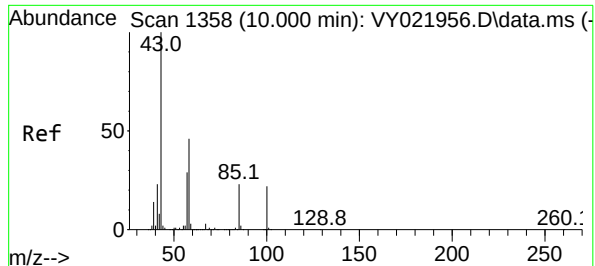
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	98	Resp:	232431
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





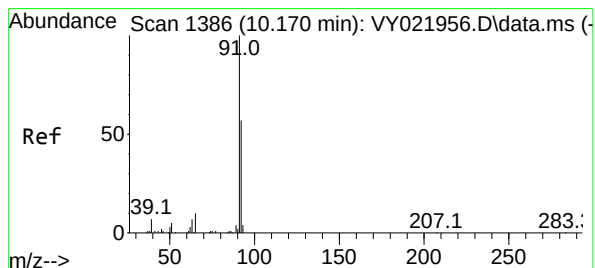
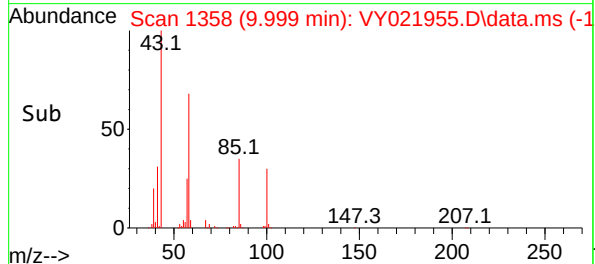
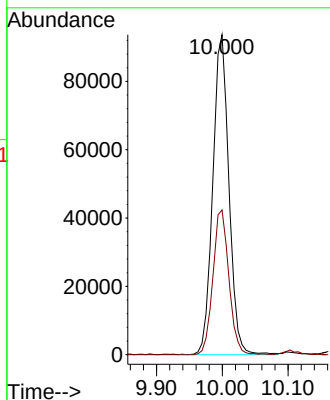
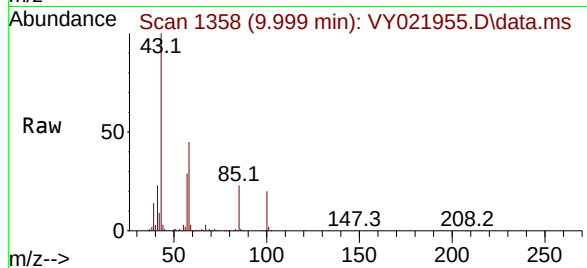
#51
4-Methyl-2-Pentanone
Concen: 103.844 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 15990
Ion Ratio Lower Upper
43 100
58 44.9 36.6 55.0

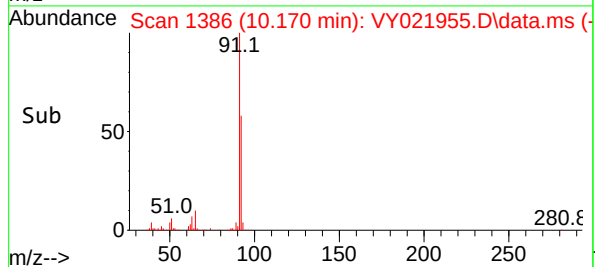
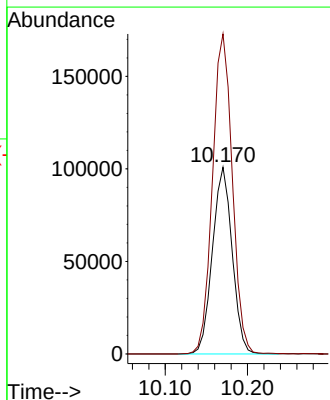
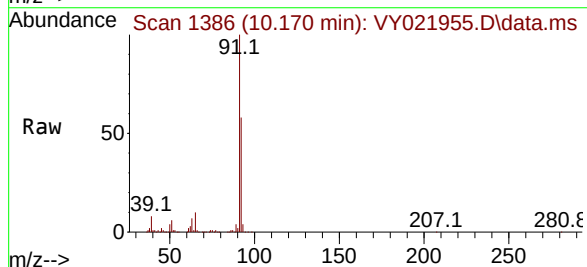
Manual Integrations
APPROVED

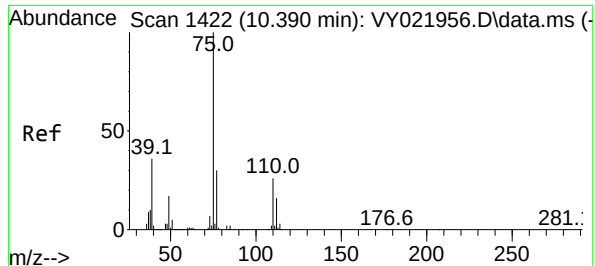
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 19.499 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 92 Resp: 168035
Ion Ratio Lower Upper
92 100
91 172.7 138.6 207.8





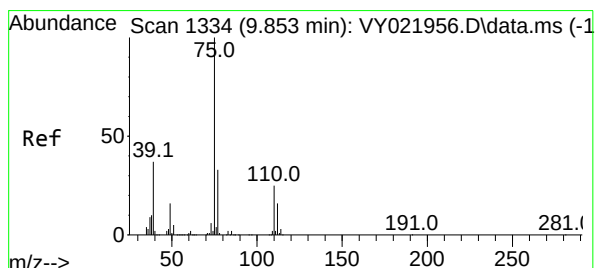
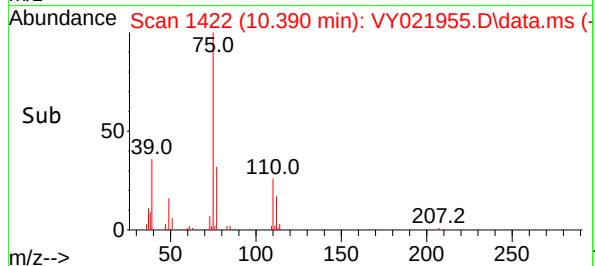
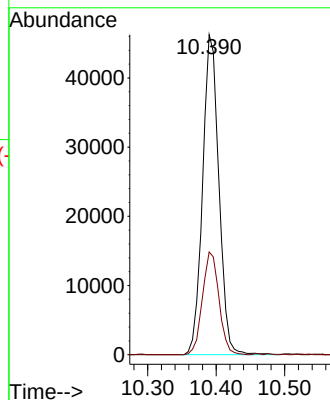
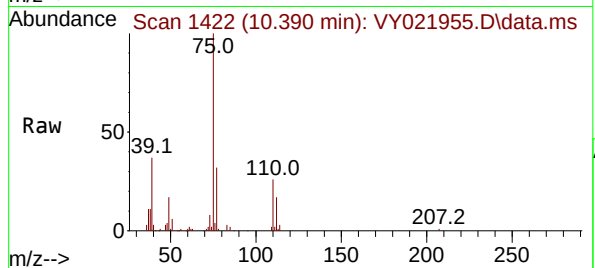
#53
t-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 76629
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

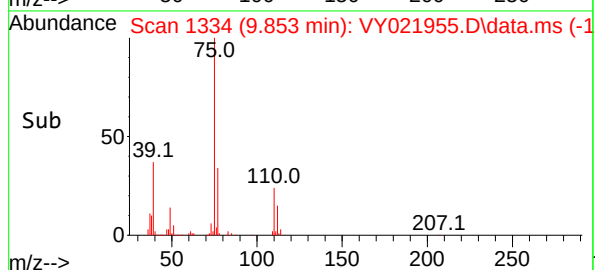
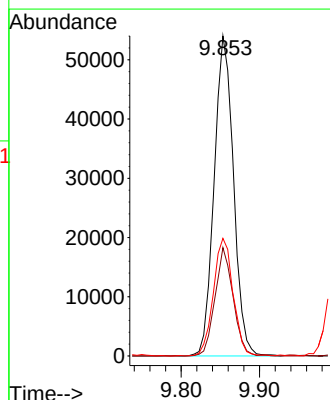
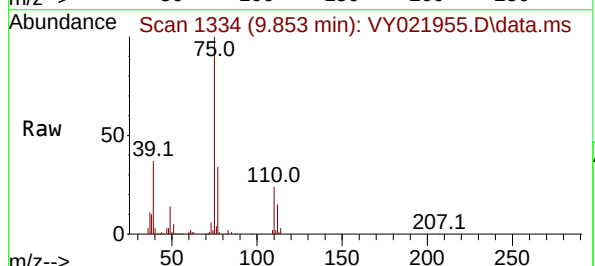
Manual Integrations
APPROVED

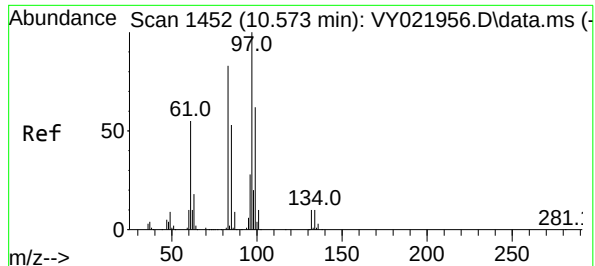
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 19.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

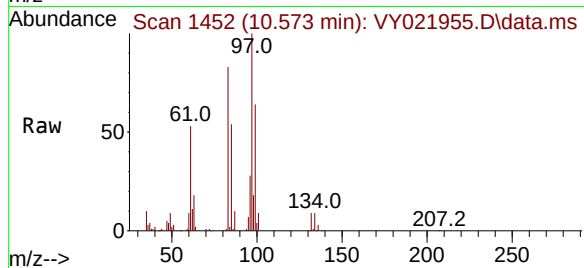
Tgt Ion: 75 Resp: 92726
Ion Ratio Lower Upper
75 100
77 33.8 26.6 40.0
39 36.6 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.353 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

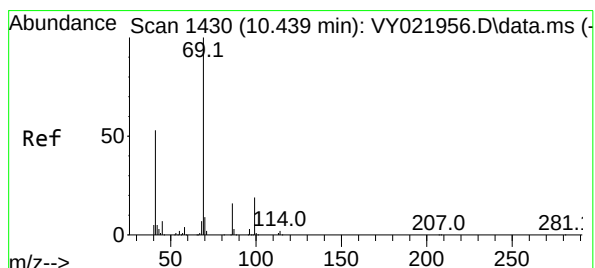
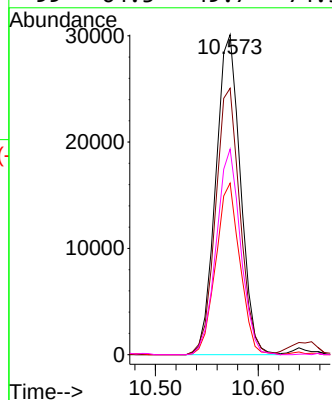
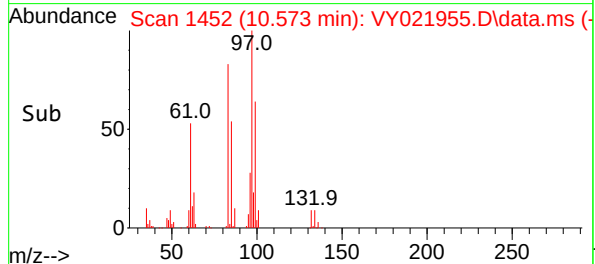
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 97 Resp: 5010
Ion Ratio Lower Upper
97 100
83 83.3 66.7 100.1
85 53.6 42.6 64.0
99 64.3 49.7 74.5

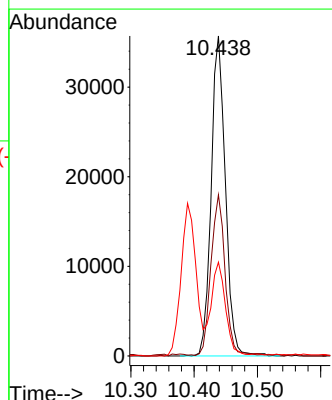
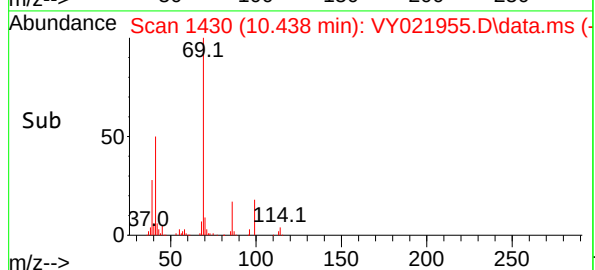
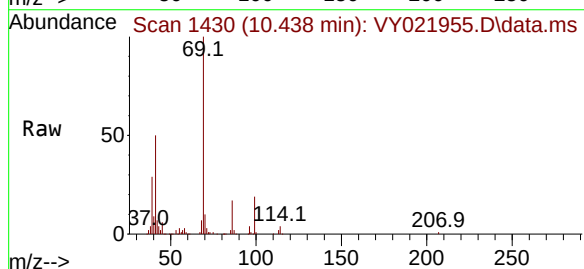
Manual Integrations
APPROVED

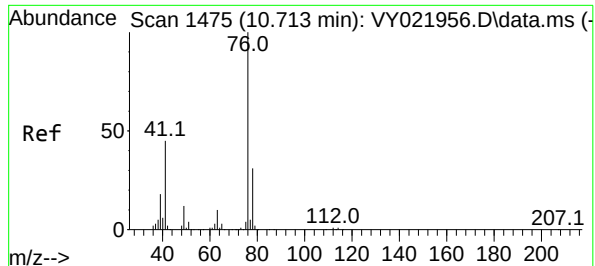
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 19.786 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 69 Resp: 55703
Ion Ratio Lower Upper
69 100
41 49.8 40.7 61.1
39 29.3 23.3 34.9





#57

1,3-Dichloropropane

Concen: 19.676 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 77652

Ion Ratio Lower Upper

76 100

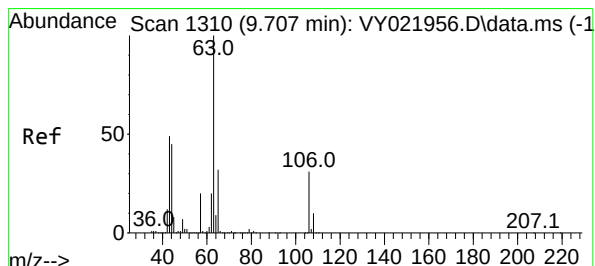
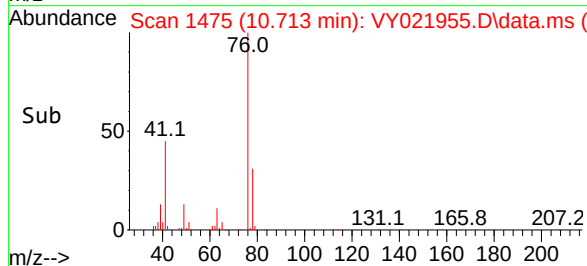
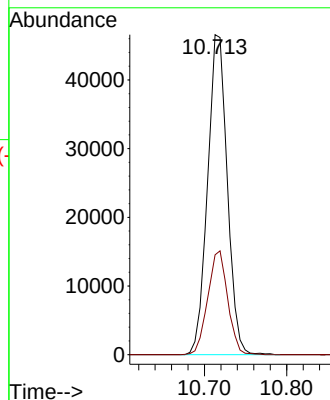
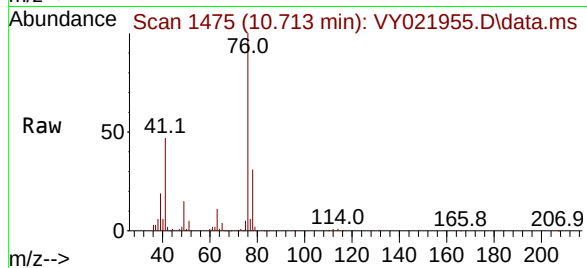
78 32.9 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#58

2-Chloroethyl Vinyl ether

Concen: 102.027 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VY021955.D

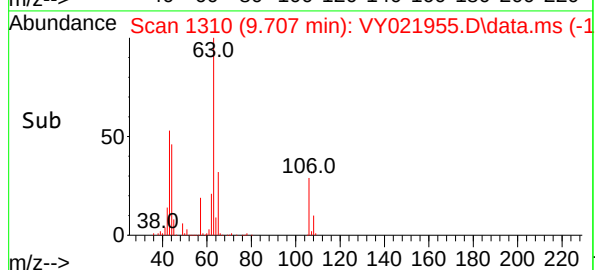
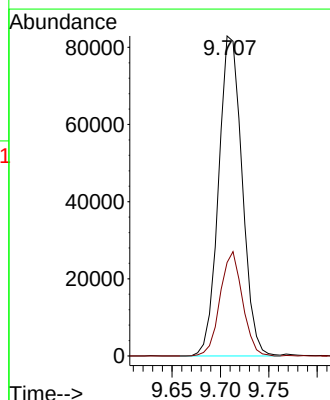
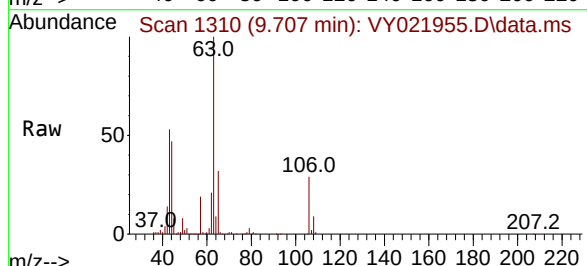
Acq: 22 Apr 2025 15:07

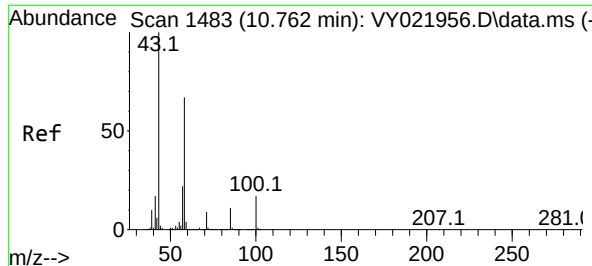
Tgt Ion: 63 Resp: 140435

Ion Ratio Lower Upper

63 100

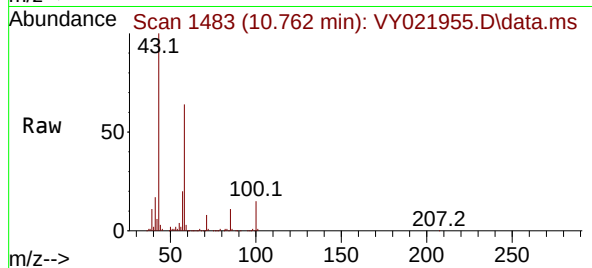
106 30.9 25.3 37.9





#59
2-Hexanone
Concen: 102.714 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

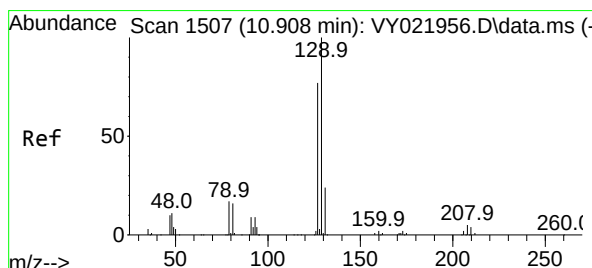
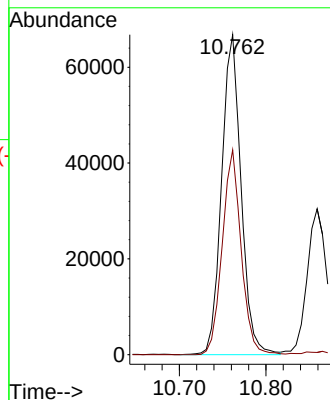
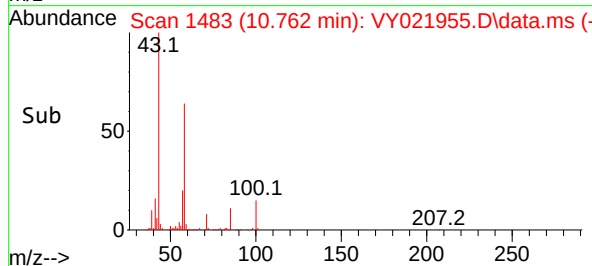
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 10432
Ion Ratio Lower Upper
43 100
58 62.1 32.0 96.0

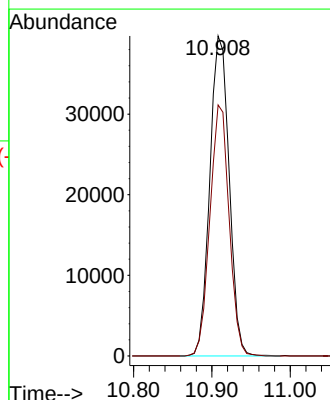
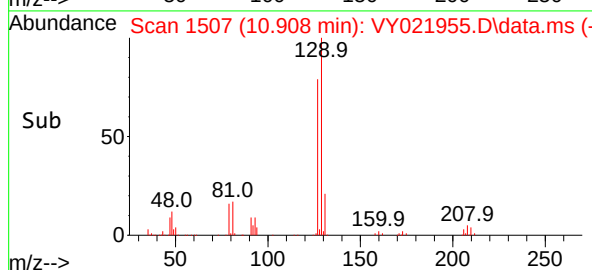
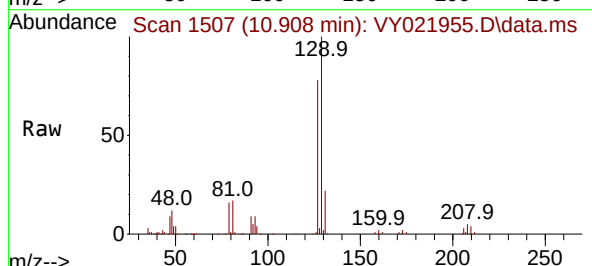
Manual Integrations
APPROVED

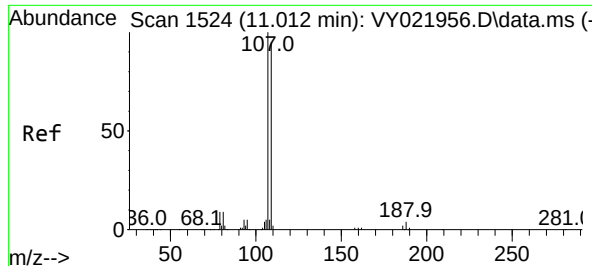
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 19.948 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

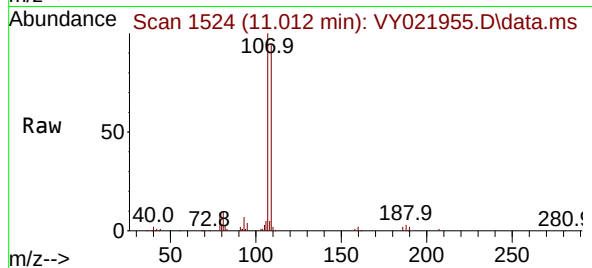
Tgt Ion:129 Resp: 67988
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3





#61
1,2-Dibromoethane
Concen: 20.093 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

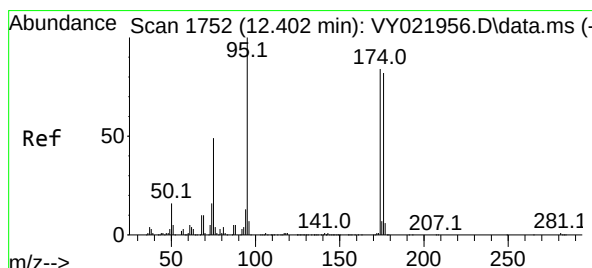
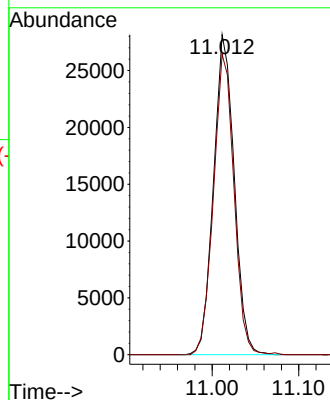
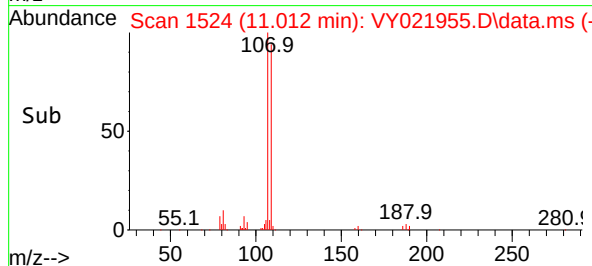
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 107 Resp: 46699
Ion Ratio Lower Upper
107 100
109 93.3 75.8 113.8

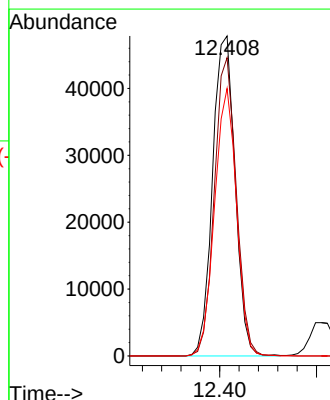
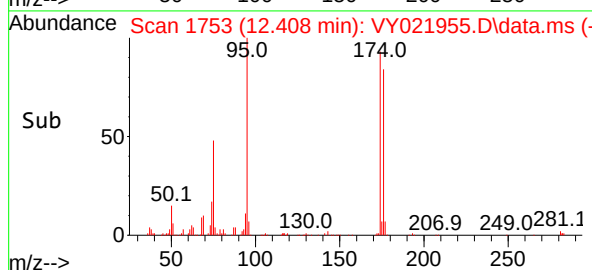
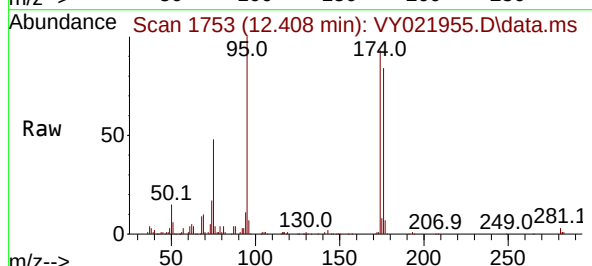
Manual Integrations
APPROVED

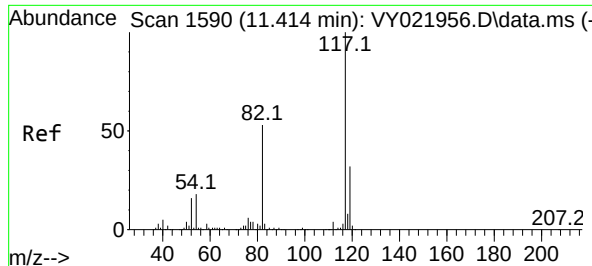
Reviewed By : Semsettin Yesilyurt 04/23/2025
Supervised By : Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 19.144 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

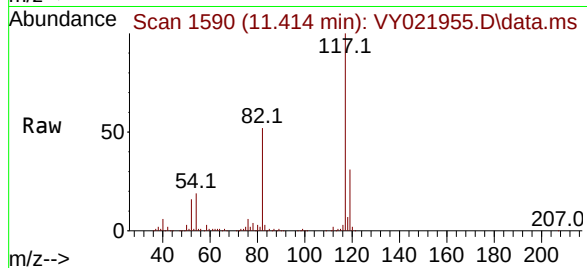
Tgt Ion: 95 Resp: 77034
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.0
176 81.8 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

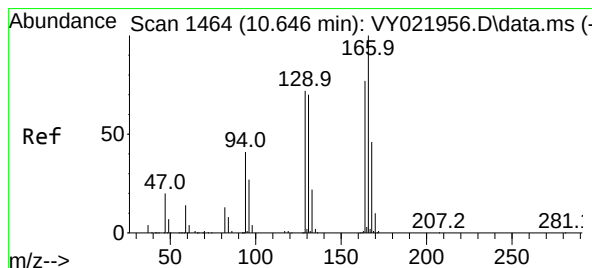
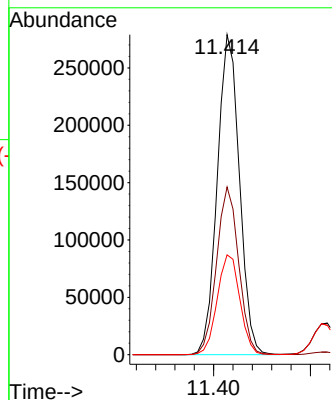
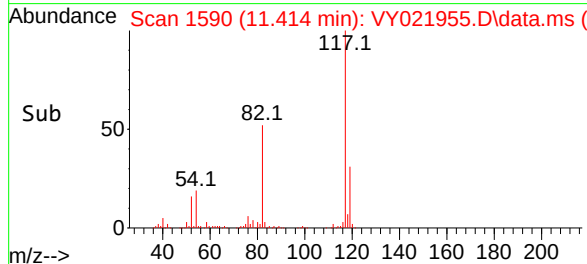
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 443014
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 31.2 25.7 38.5

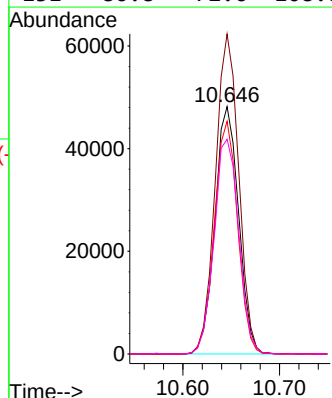
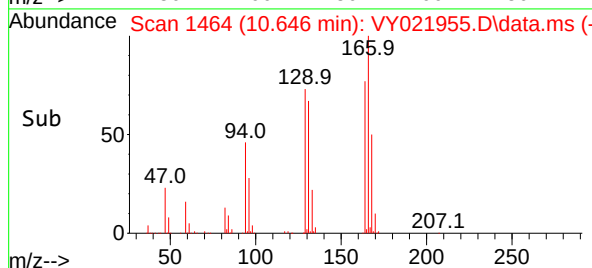
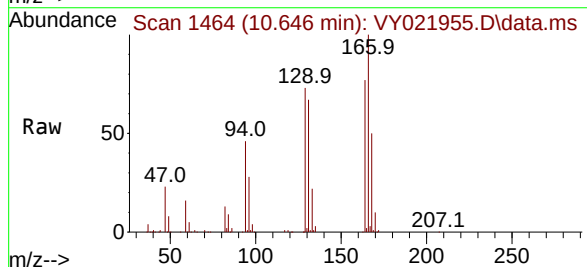
Manual Integrations
APPROVED

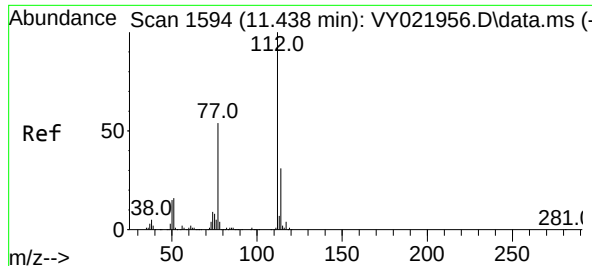
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 19.600 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

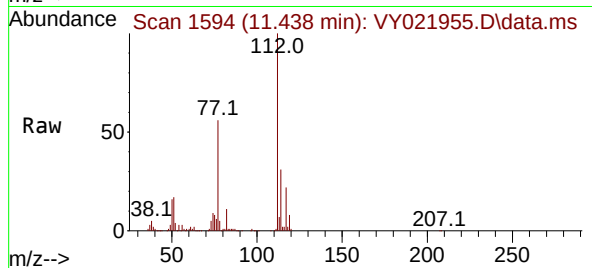
Tgt Ion:164 Resp: 81915
Ion Ratio Lower Upper
164 100
166 129.3 103.6 155.4
129 94.0 74.2 111.4
131 86.8 72.6 108.8





#65
Chlorobenzene
Concen: 18.866 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

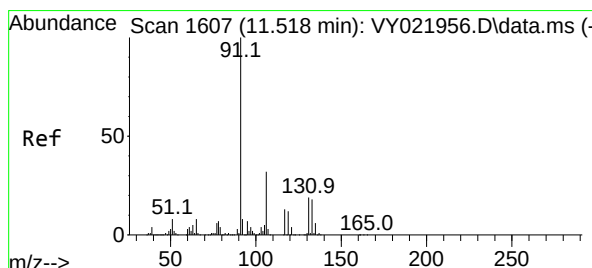
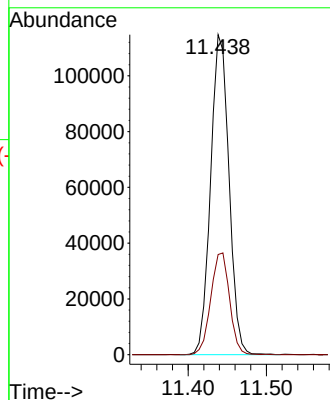
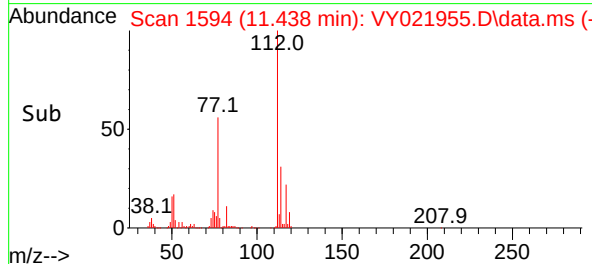
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 18690
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4

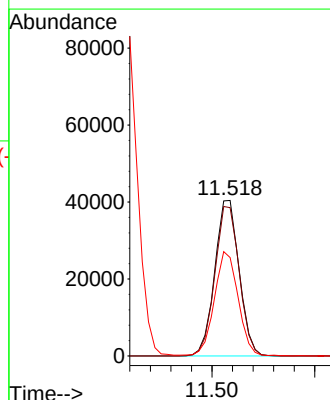
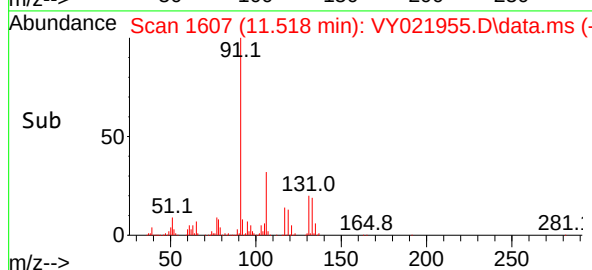
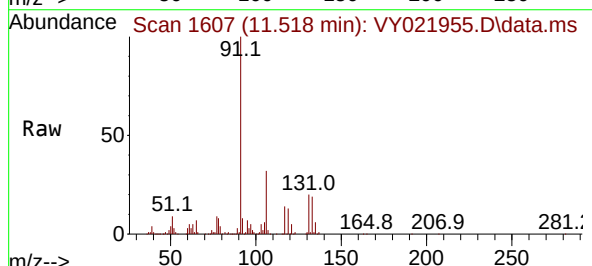
Manual Integrations
APPROVED

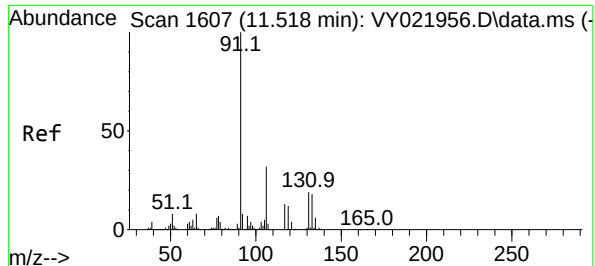
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:131 Resp: 66586
Ion Ratio Lower Upper
131 100
133 96.1 47.8 143.3
119 65.6 32.4 97.0





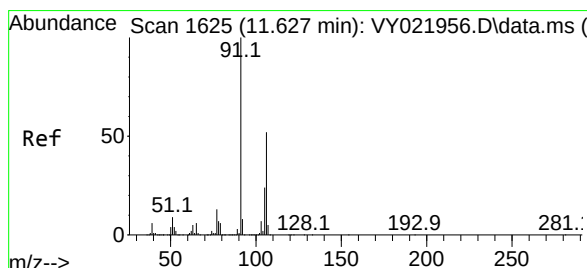
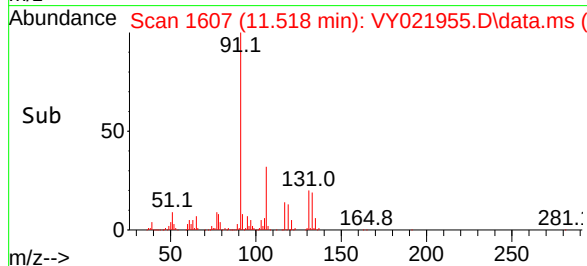
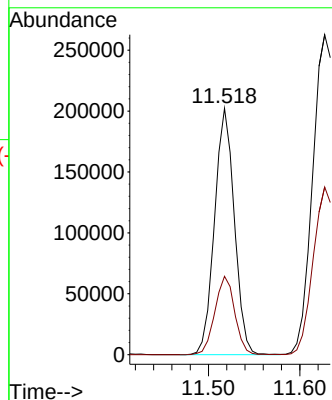
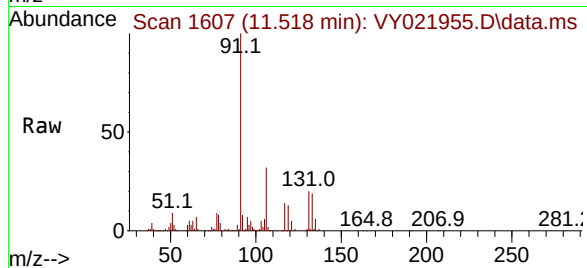
#67
Ethyl Benzene
Concen: 18.789 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 30450
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9

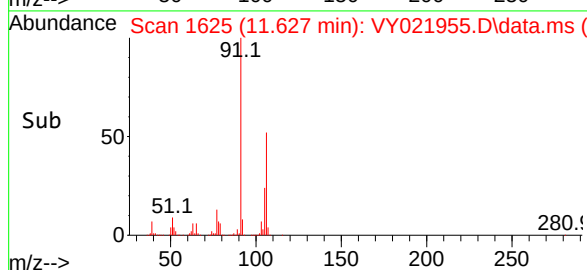
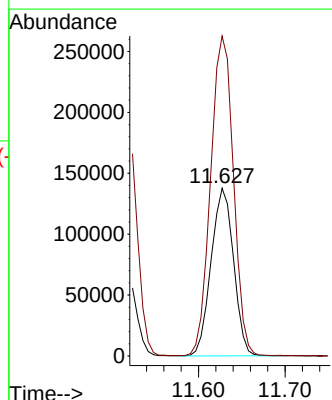
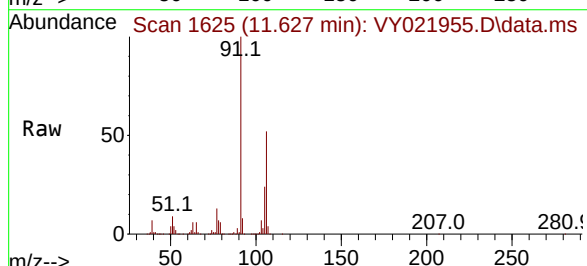
Manual Integrations
APPROVED

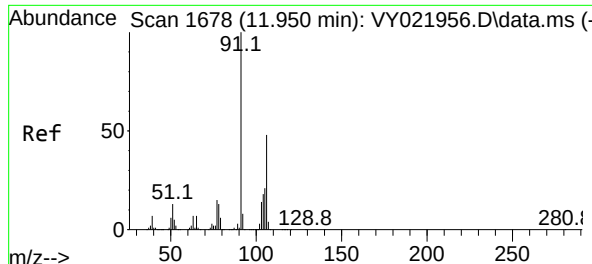
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#68
m/p-Xylenes
Concen: 38.407 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:106 Resp: 247677
Ion Ratio Lower Upper
106 100
91 194.2 156.2 234.2





#69

o-Xylene

Concen: 18.945 ug/l

RT: 11.956 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 11260

Ion Ratio Lower Upper

106 100

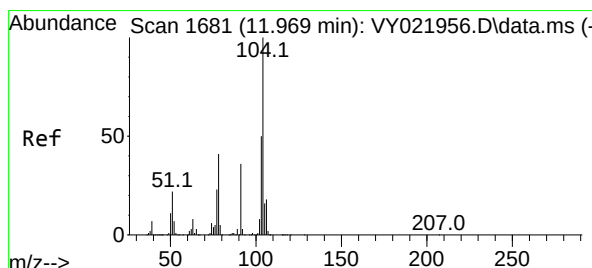
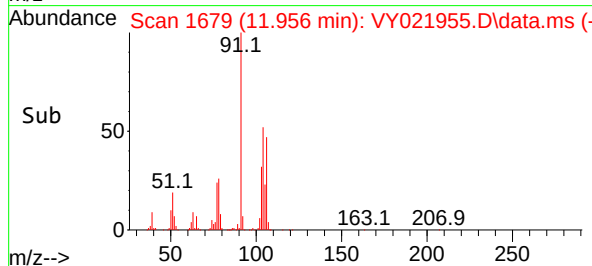
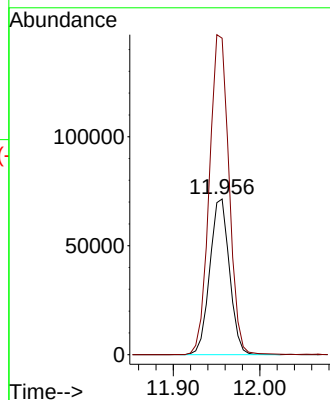
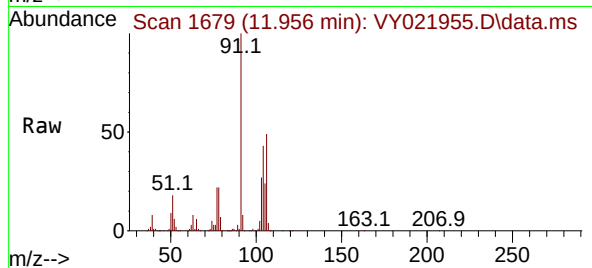
91 206.1 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#70

Styrene

Concen: 19.149 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

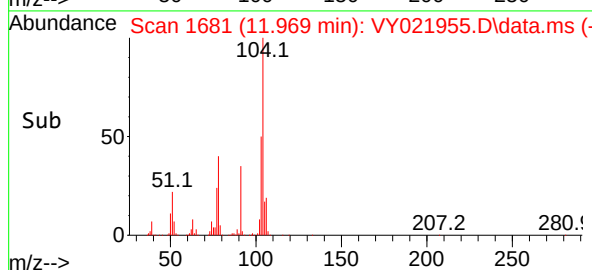
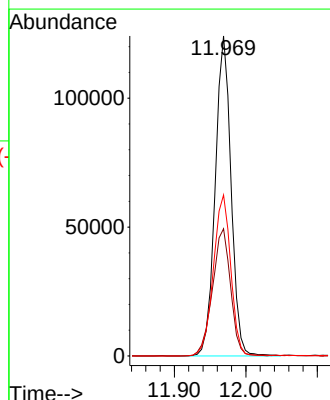
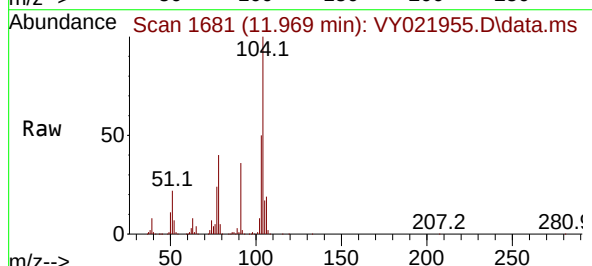
Tgt Ion:104 Resp: 191106

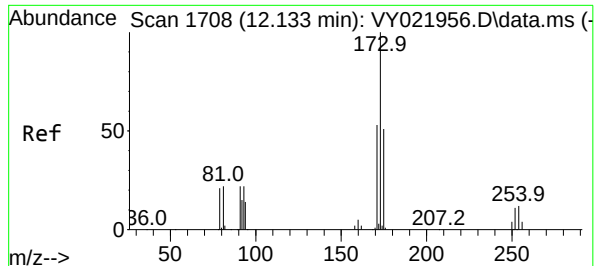
Ion Ratio Lower Upper

104 100

78 45.3 36.6 54.8

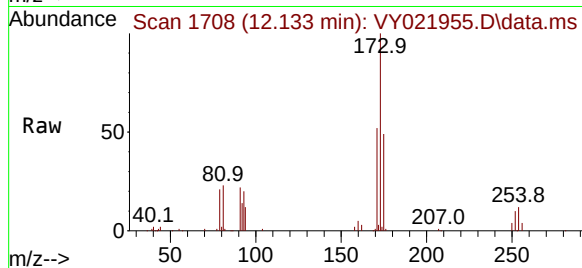
103 55.3 43.8 65.8





#71
Bromoform
Concen: 19.573 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

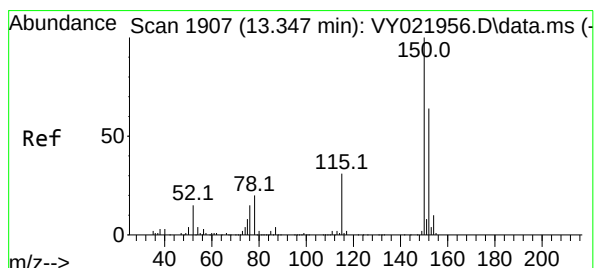
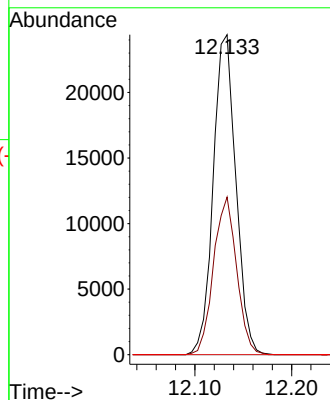
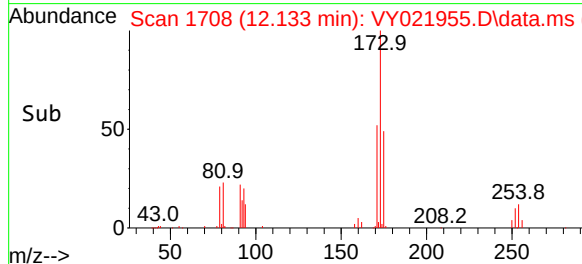
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



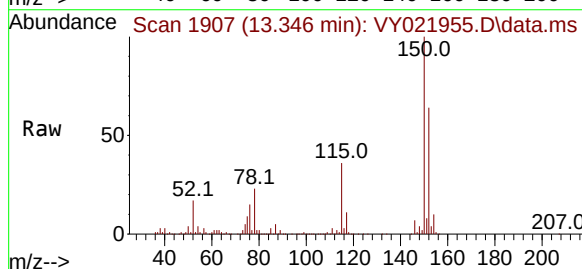
Tgt Ion:173 Resp: 39690
Ion Ratio Lower Upper
173 100
175 50.2 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

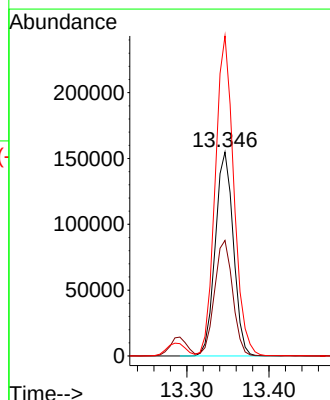
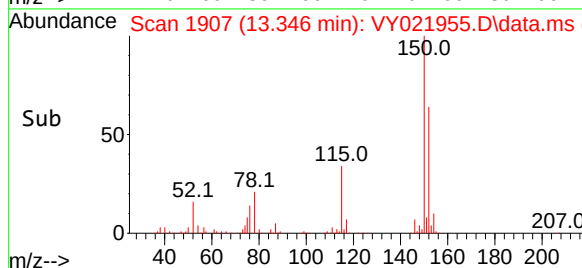
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

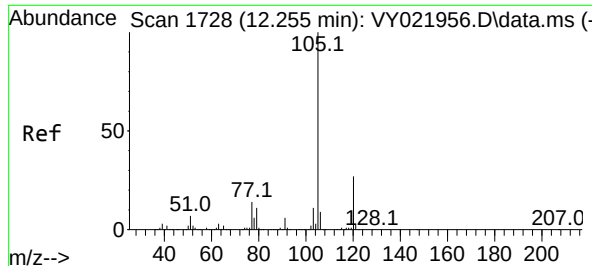


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07



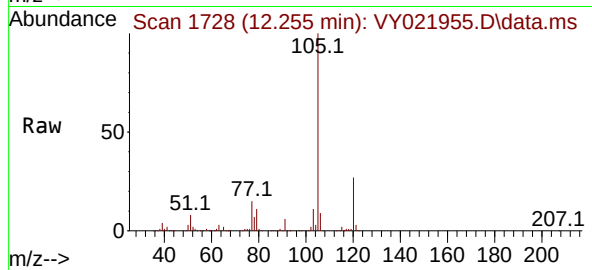
Tgt Ion:152 Resp: 236548
Ion Ratio Lower Upper
152 100
115 56.9 28.0 84.0
150 161.0 0.0 345.6





#73
Isopropylbenzene
Concen: 18.570 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

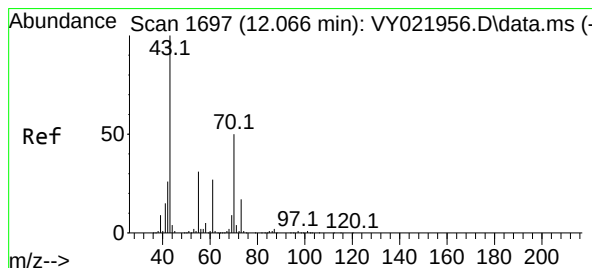
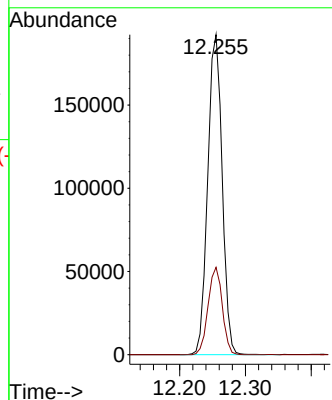
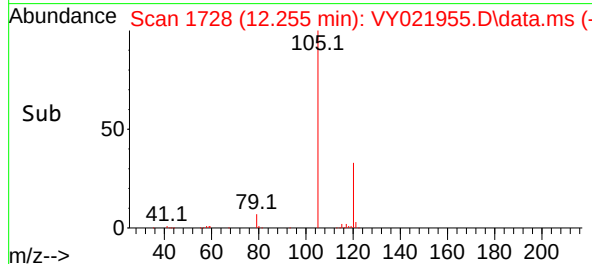
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 105 Resp: 29348
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.5

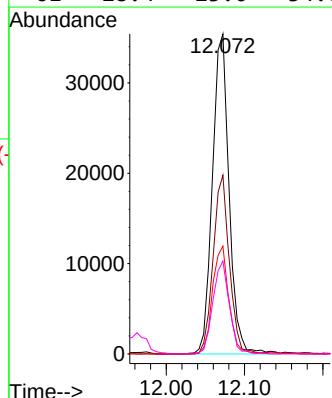
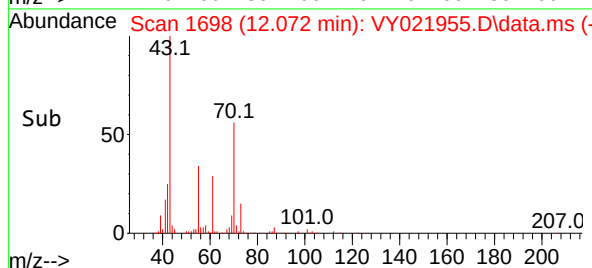
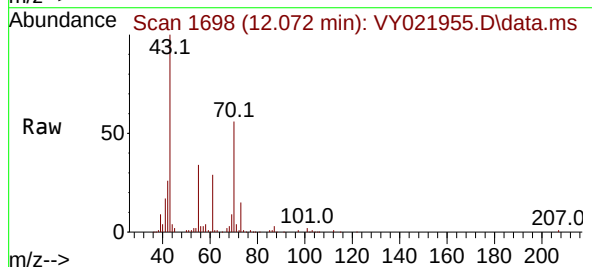
Manual Integrations
APPROVED

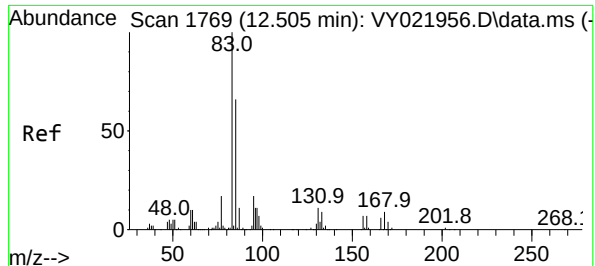
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 19.271 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 52325
Ion Ratio Lower Upper
43 100
70 54.1 43.2 64.8
55 33.2 25.7 38.5
61 28.4 23.0 34.6





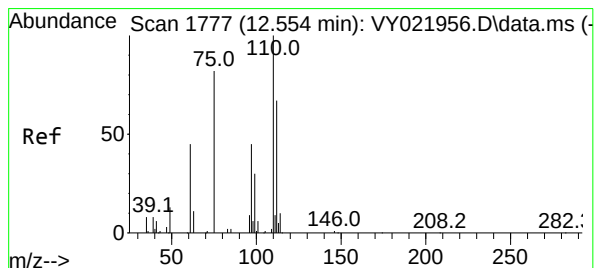
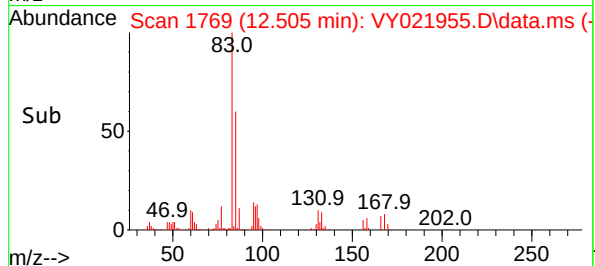
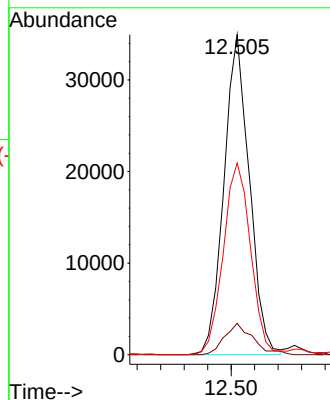
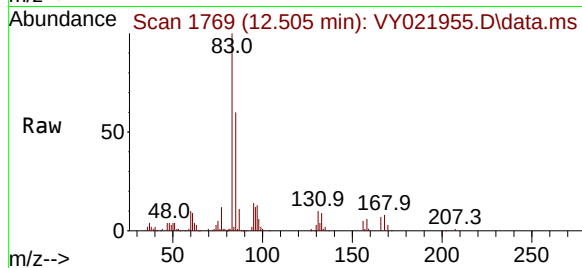
#75
1,1,2,2-Tetrachloroethane
Concen: 19.713 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:	83	Resp:	52524
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.5	32.3	96.8

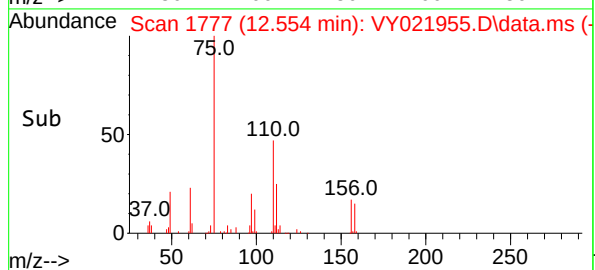
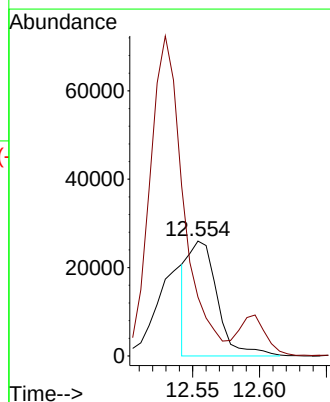
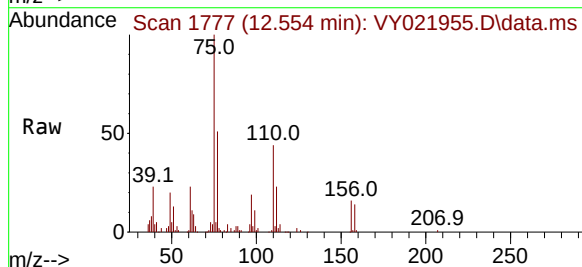
Manual Integrations
APPROVED

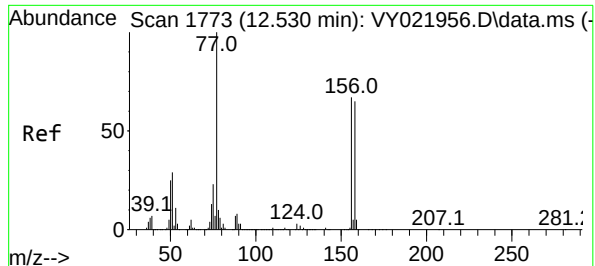
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 18.965 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:	75	Resp:	39530
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





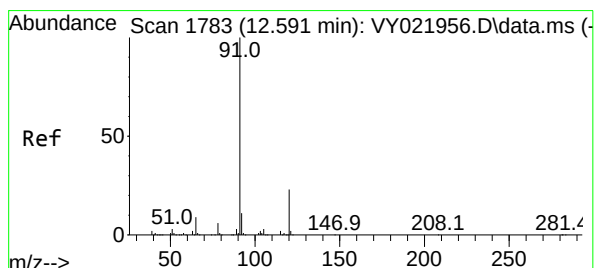
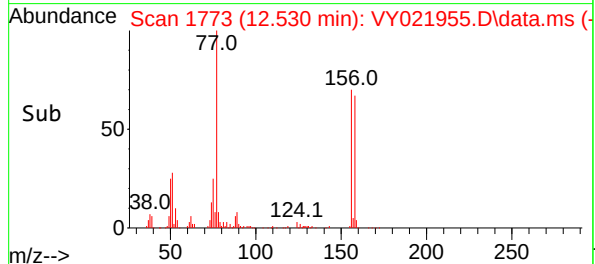
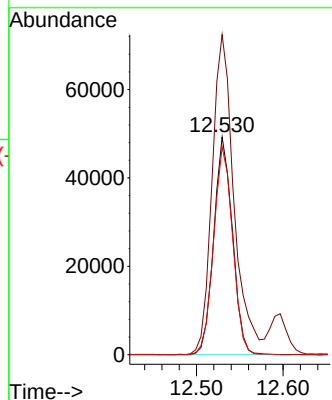
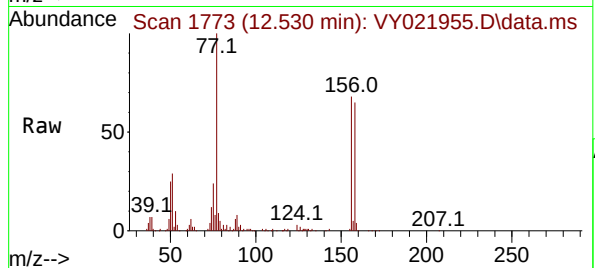
#77
Bromobenzene
Concen: 18.490 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 156 Resp: 73838
Ion Ratio Lower Upper
156 100
77 171.2 82.7 248.1
158 97.3 48.1 144.4

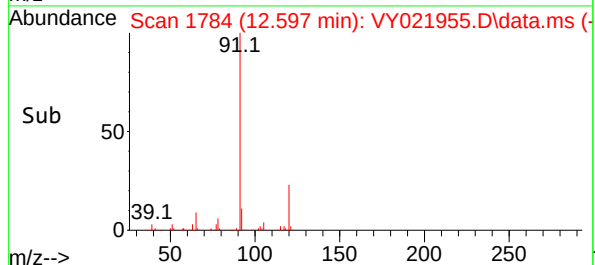
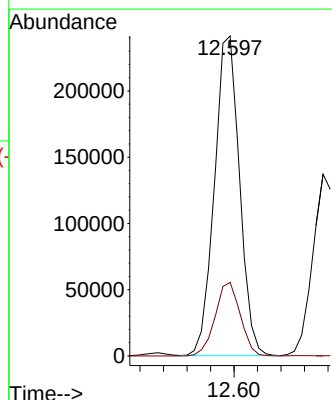
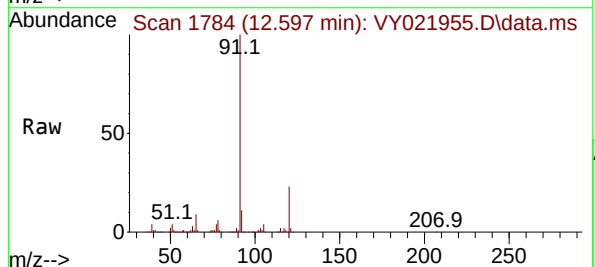
Manual Integrations
APPROVED

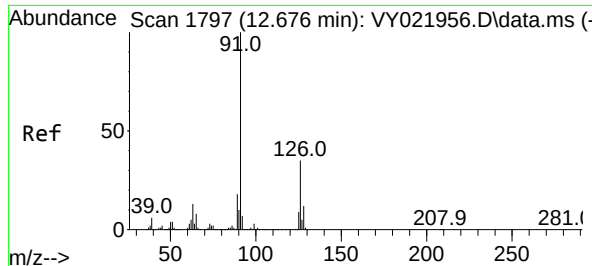
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 18.992 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 357438
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5





#79

2-Chlorotoluene

Concen: 18.840 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 20621

Ion Ratio Lower Upper

91 100

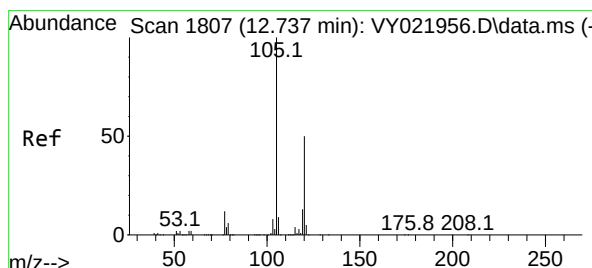
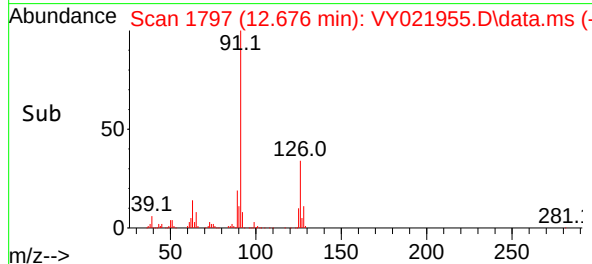
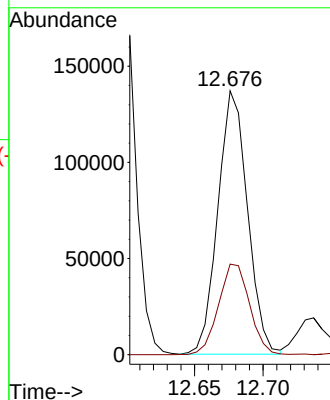
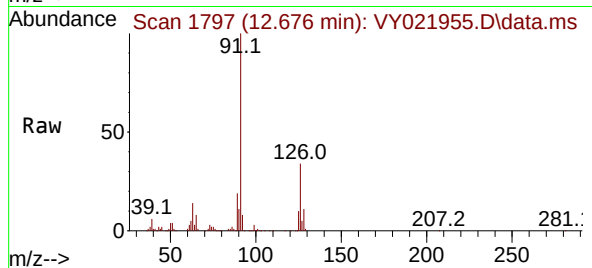
126 36.1 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.997 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021955.D

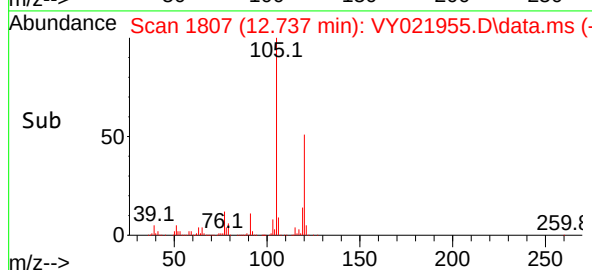
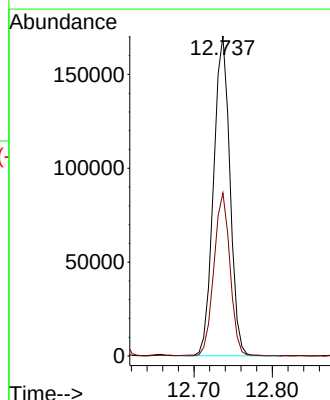
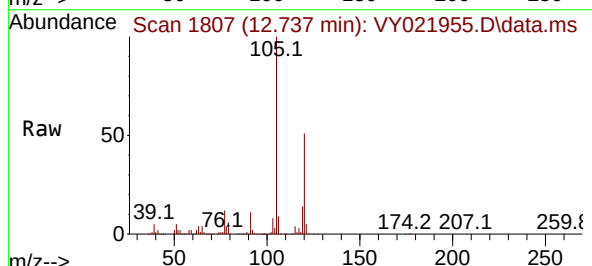
Acq: 22 Apr 2025 15:07

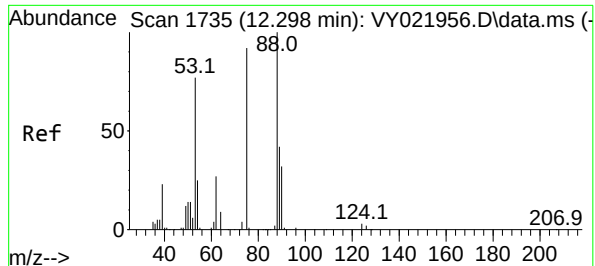
Tgt Ion:105 Resp: 247372

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.163 ug/l

RT: 12.304 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

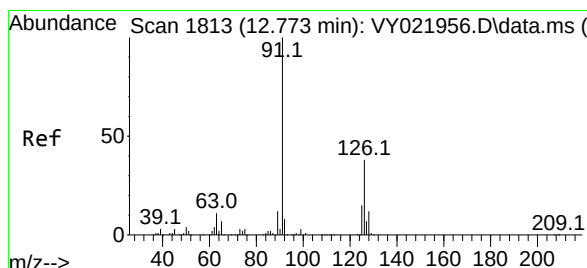
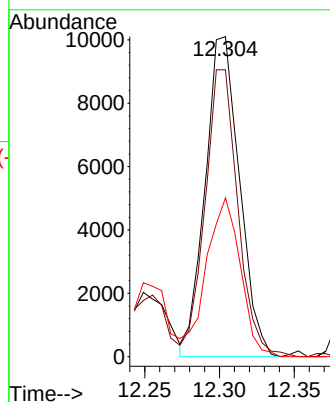
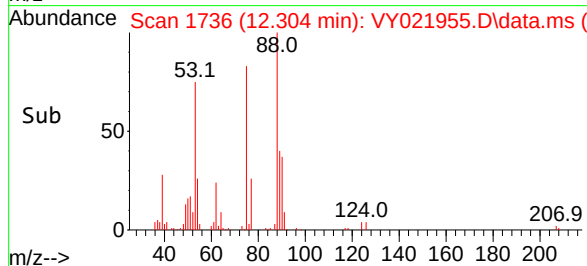
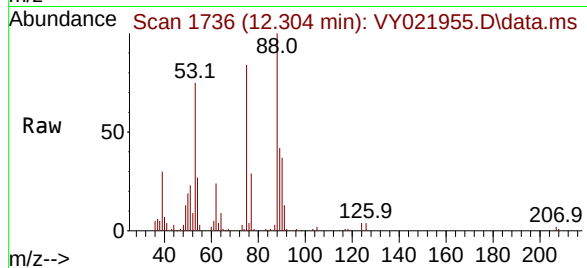
VSTDICC020

Tgt Ion:	75	Resp:	1612
Ion Ratio	Lower	Upper	
75	100		
53	85.8	66.0	99.0
89	49.1	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82

4-Chlorotoluene

Concen: 18.876 ug/l

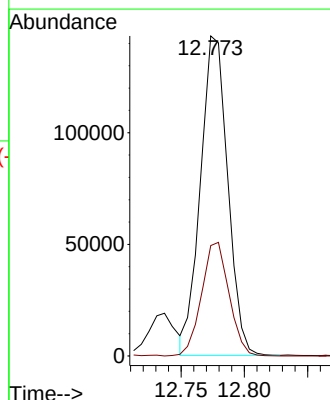
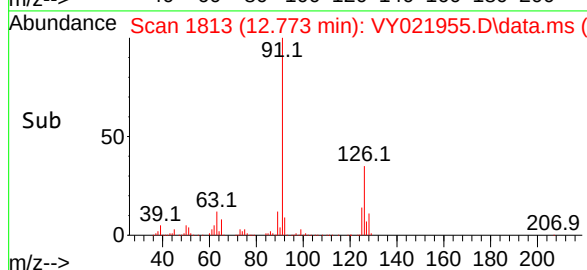
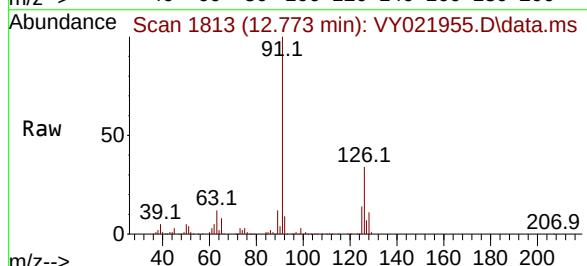
RT: 12.773 min Scan# 1813

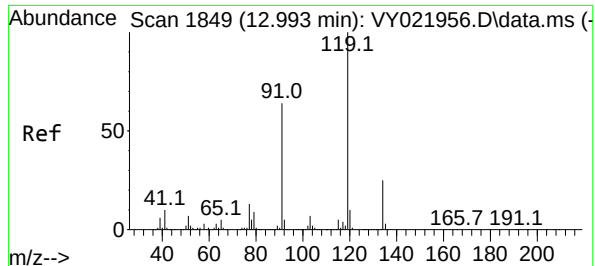
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	91	Resp:	214776
Ion Ratio	Lower	Upper	
91	100		
126	35.9	17.9	53.8





#83

tert-Butylbenzene

Concen: 18.337 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

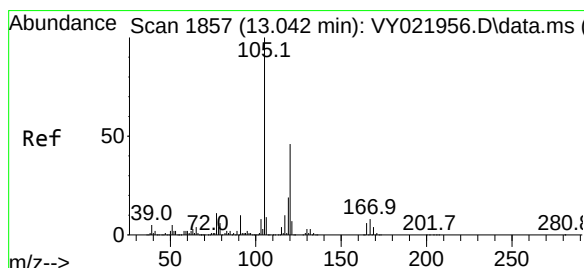
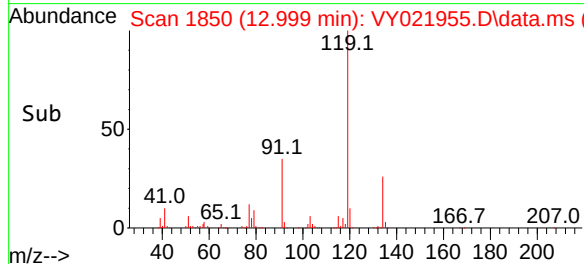
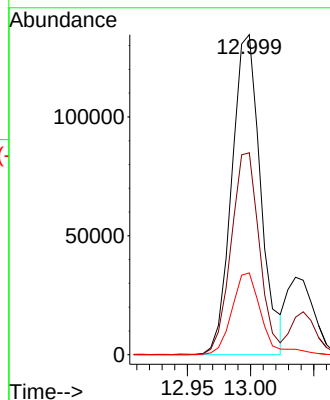
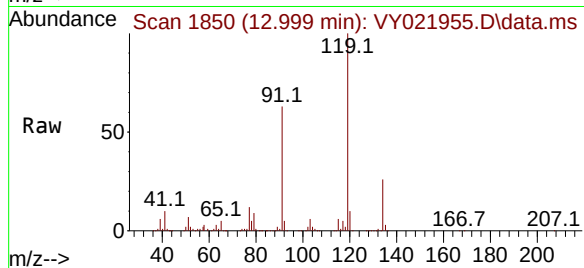
VSTDIC020

Tgt Ion:	119	Resp:	214149
Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.3	90.9
134	26.2	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.110 ug/l

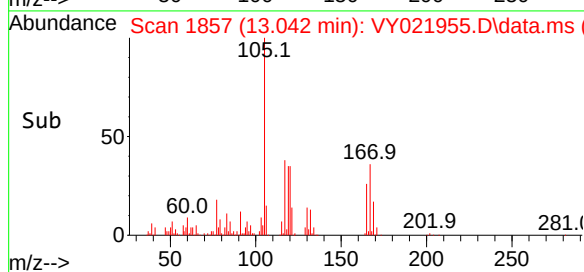
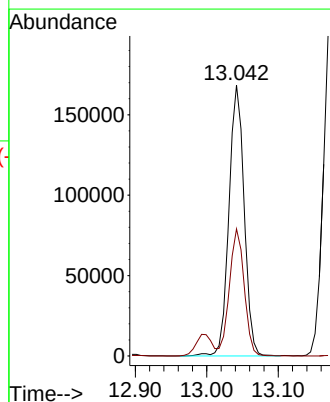
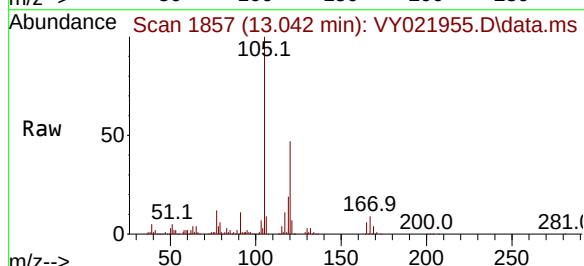
RT: 13.042 min Scan# 1857

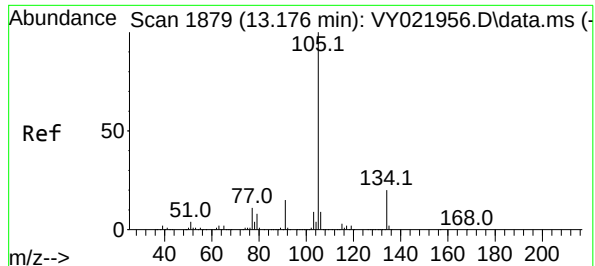
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	105	Resp:	248902
Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0





#85

sec-Butylbenzene

Concen: 18.873 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 32252

Ion Ratio Lower Upper

105 100

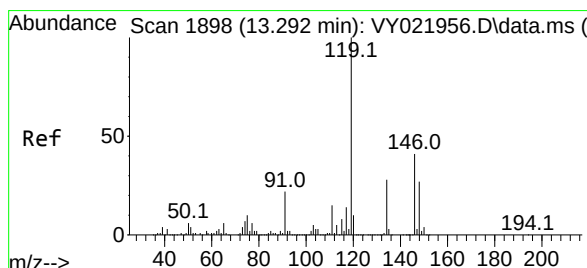
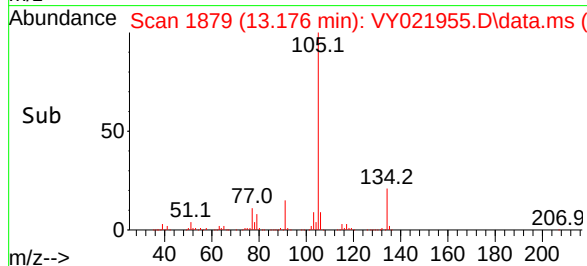
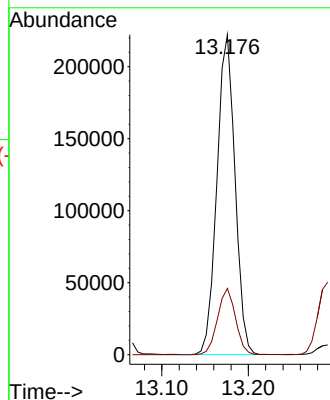
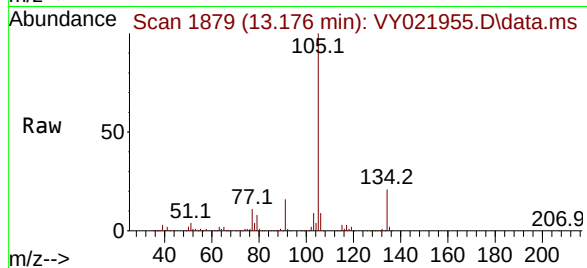
134 20.6 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#86

p-Isopropyltoluene

Concen: 18.706 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

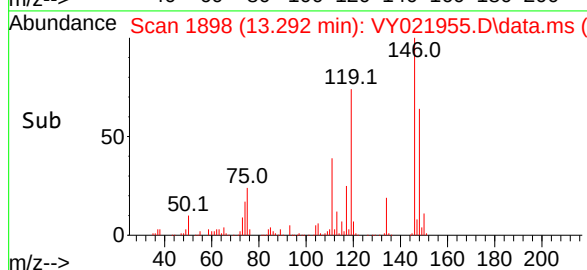
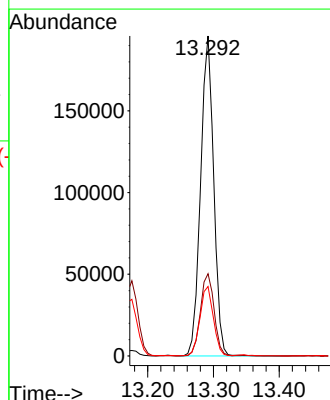
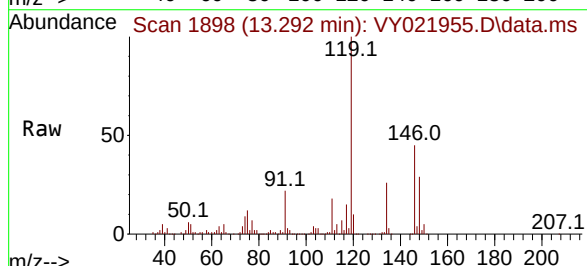
Tgt Ion:119 Resp: 271440

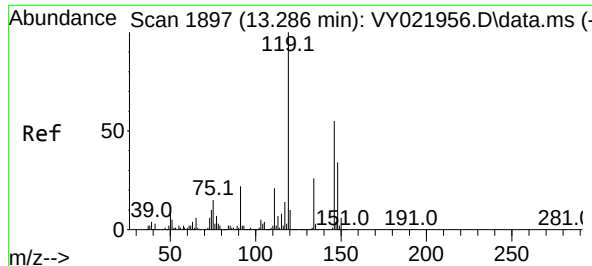
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 22.1 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 18.602 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

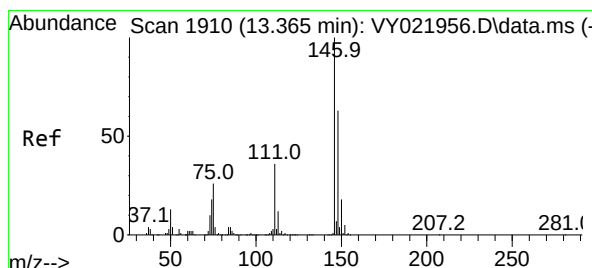
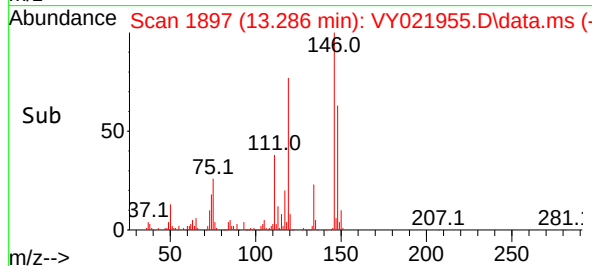
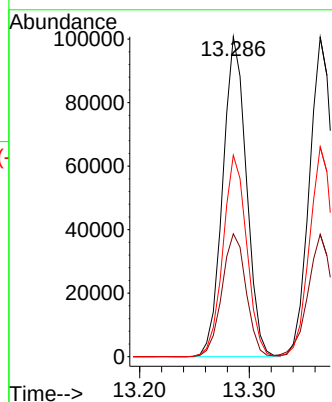
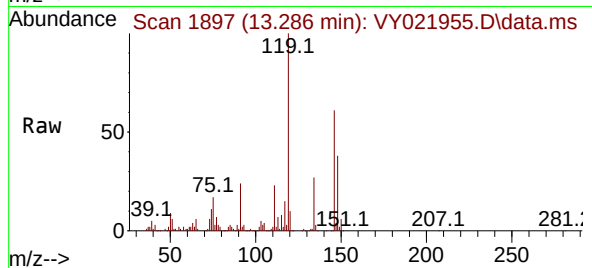
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	15087
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.1	57.5
148	63.2	32.0	96.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 18.905 ug/l

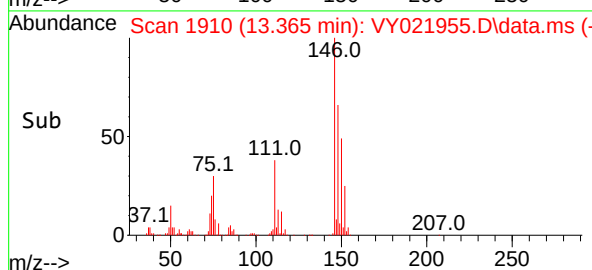
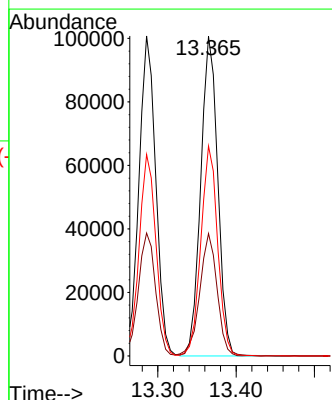
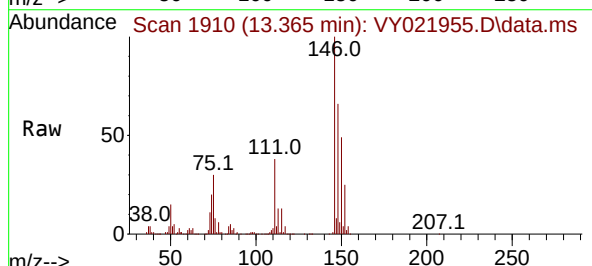
RT: 13.365 min Scan# 1910

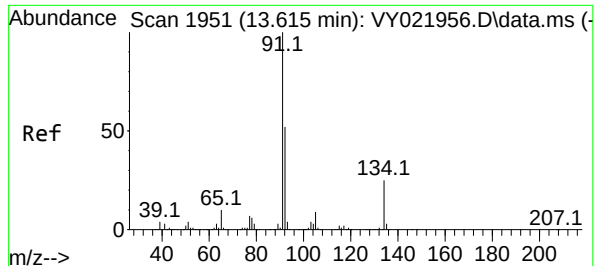
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	146	Resp:	151864
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.2	57.6
148	65.0	32.0	96.0





#89

n-Butylbenzene

Concen: 18.566 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

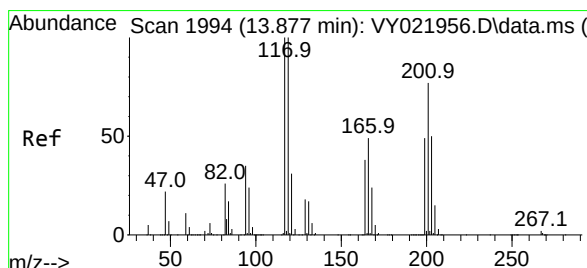
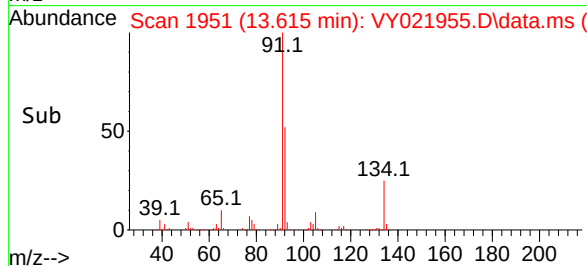
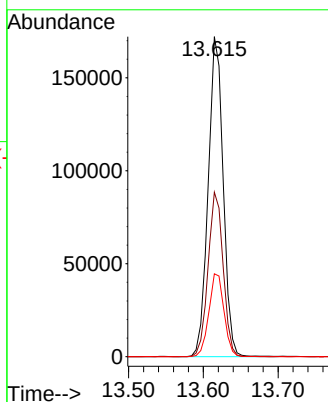
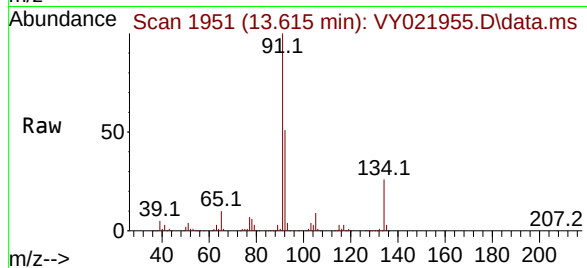
VSTDIC020

Tgt Ion:	91	Resp:	240810
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	26.2	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 18.211 ug/l

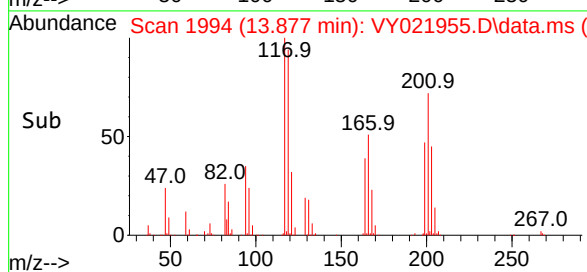
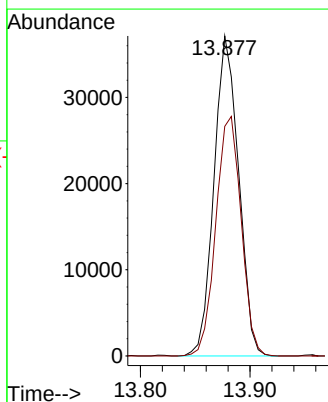
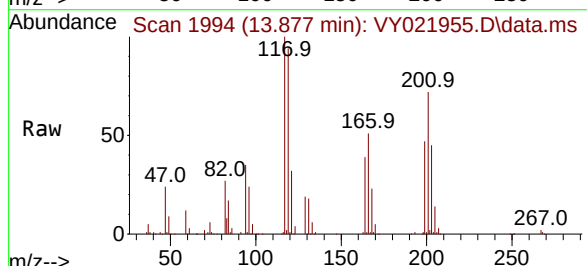
RT: 13.877 min Scan# 1994

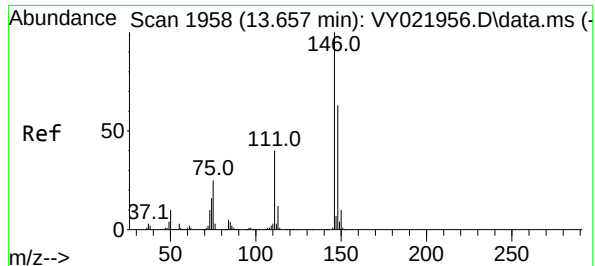
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

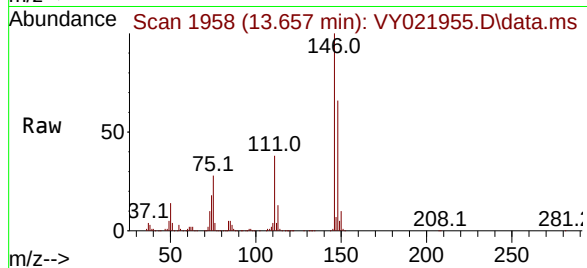
Tgt Ion:	117	Resp:	58060
Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.7	116.1





#91
1,2-Dichlorobenzene
Concen: 19.175 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

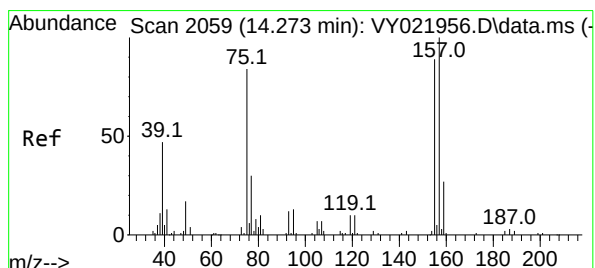
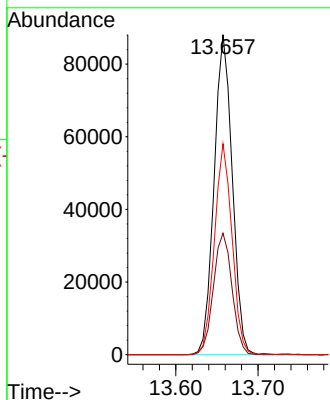
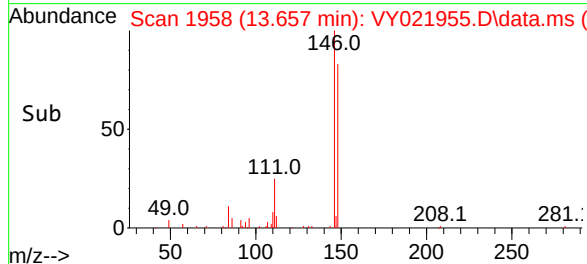
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:146 Resp: 135650
Ion Ratio Lower Upper
146 100
111 38.9 19.7 59.1
148 63.8 32.1 96.3

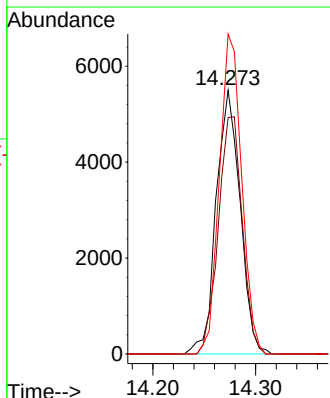
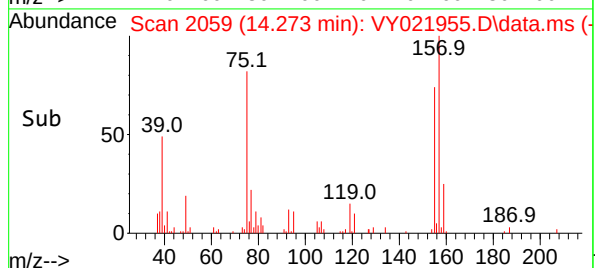
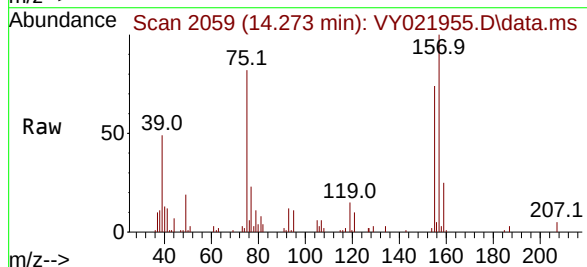
Manual Integrations
APPROVED

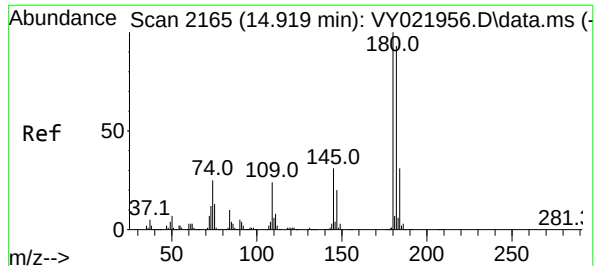
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.910 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 8864
Ion Ratio Lower Upper
75 100
155 90.1 50.7 152.3
157 113.1 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 18.532 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

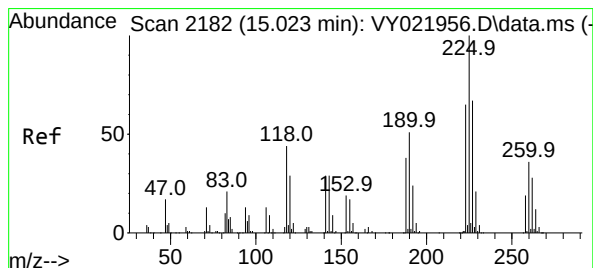
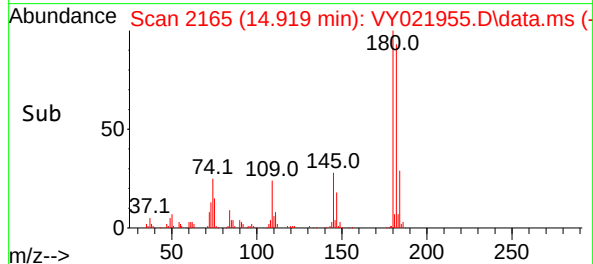
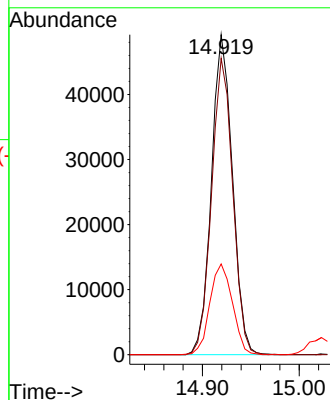
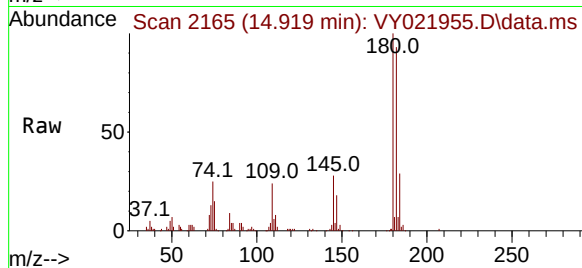
VSTDIC020

Tgt Ion:180	Resp:	74289
Ion Ratio	Lower	Upper
180	100	
182	93.2	47.1 141.4
145	30.4	15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 18.538 ug/l

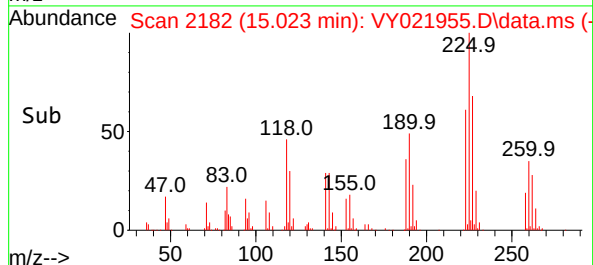
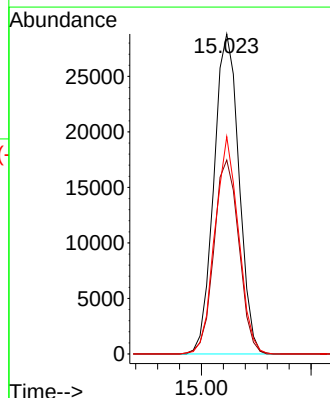
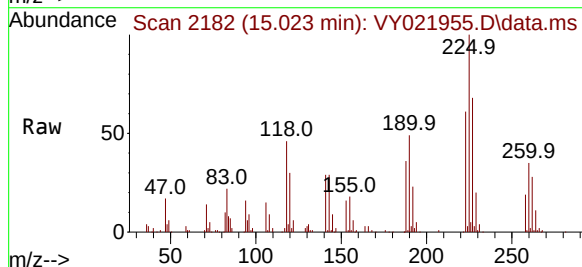
RT: 15.023 min Scan# 2182

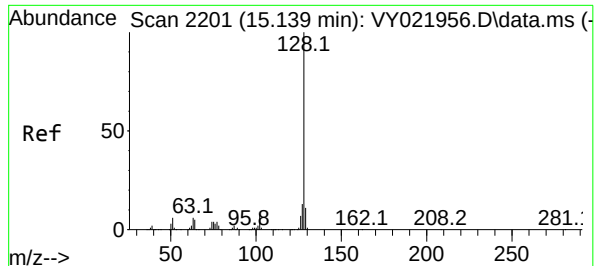
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:225	Resp:	45722
Ion Ratio	Lower	Upper
225	100	
223	60.5	31.9 95.5
227	64.3	32.3 96.9





#95

Naphthalene

Concen: 18.238 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

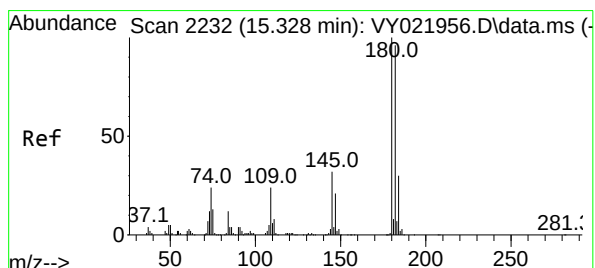
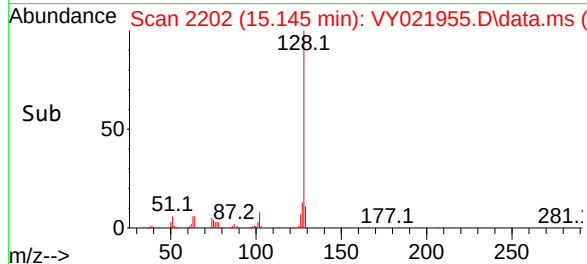
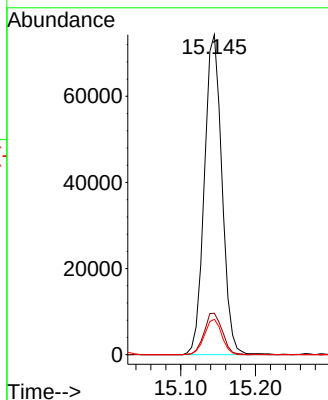
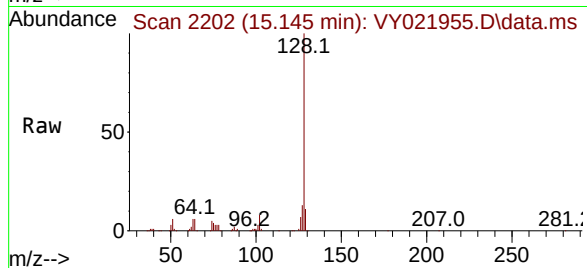
ClientSampleId :

VSTDIC020

Tgt Ion:128	Resp:	121454
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.6 16.0
129	10.9	8.9 13.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.707 ug/l

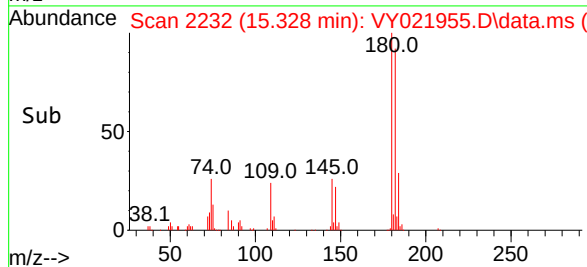
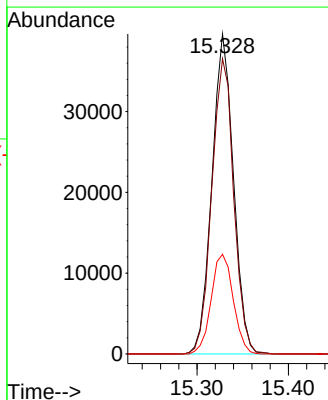
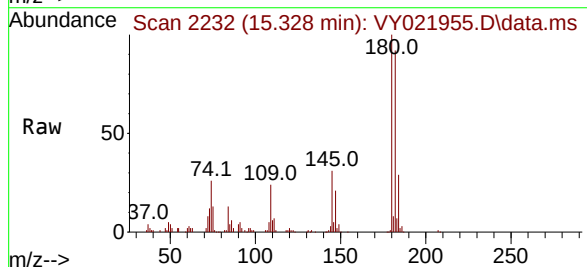
RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:180	Resp:	64735
Ion Ratio	Lower	Upper
180	100	
182	94.0	48.1 144.4
145	32.0	16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021956.D
 Acq On : 22 Apr 2025 15:29
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021956.D
 Acq On : 22 Apr 2025 15:29
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l	100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l	100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l	100
44) Trichloroethene	8.860	130	183327	47.744	ug/l	100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l	100
46) Dibromomethane	9.231	93	93536	48.740	ug/l	100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l	100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l	100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l	100
52) Toluene	10.170	92	446525	49.760	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l	100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l	100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l	100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l	100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l	100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l	100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l	100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l	100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l	100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l	100
69) o-Xylene	11.950	106	315731	51.325	ug/l	100
70) Styrene	11.969	104	535957	51.890	ug/l	100
71) Bromoform	12.133	173	105166	50.110	ug/l #	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l	100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l	
77) Bromobenzene	12.530	156	203522	49.021	ug/l	100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l	100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l	100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l	100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l	100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l	100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l	100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l	100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l	100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l	100
95) Naphthalene	15.139	128	353130	51.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

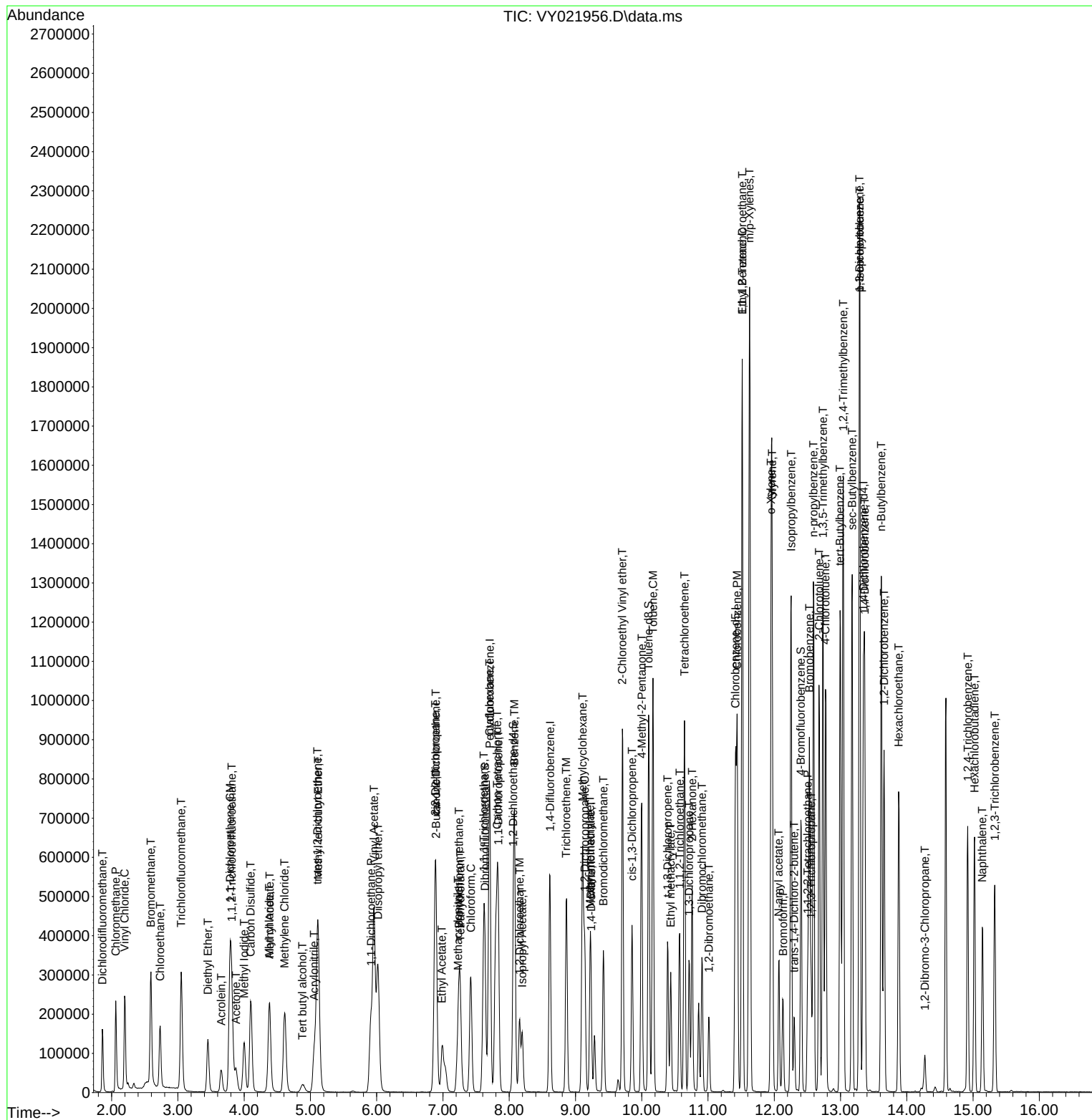
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Data File : VY021956.D
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Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

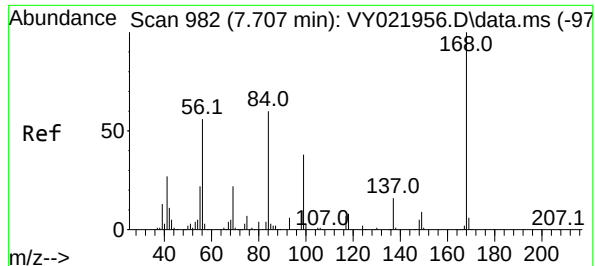
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Apr 23 02:11:12 2025
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Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

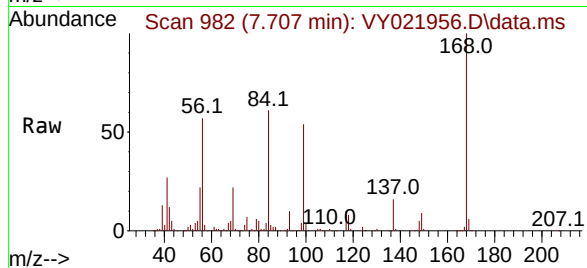
Reviewed By : Semsettin Yesilyurt 04/23/2025
Supervised By : Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

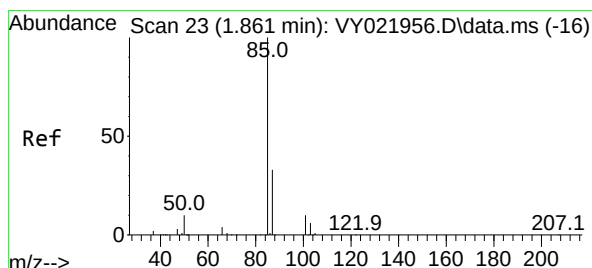
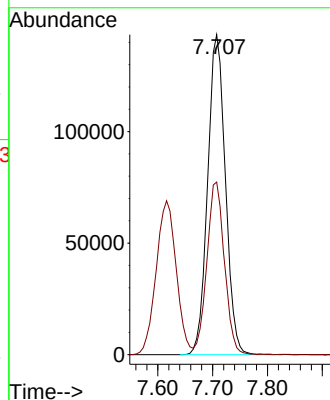
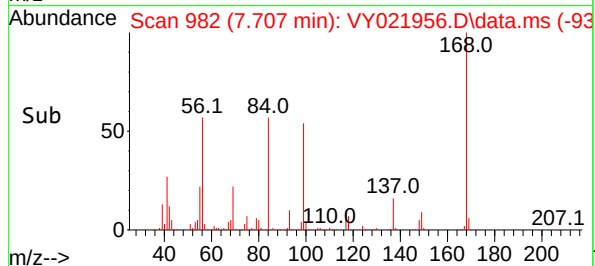
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 168 Resp: 32145
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7

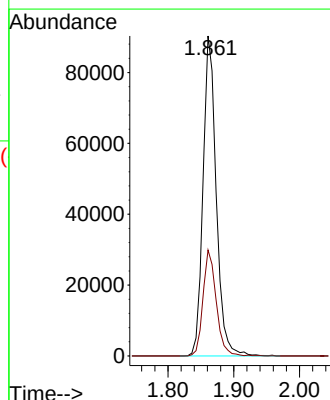
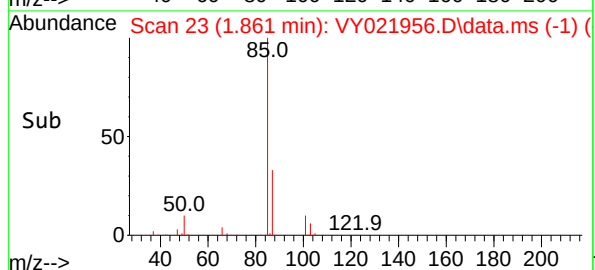
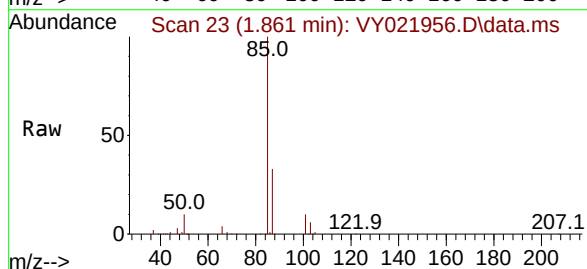
Manual Integrations
APPROVED

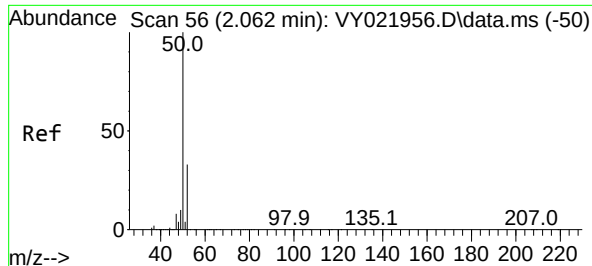
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 46.089 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 85 Resp: 126242
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.7





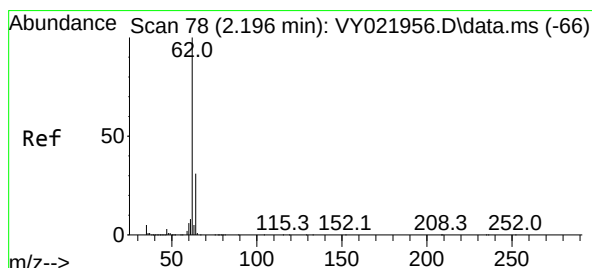
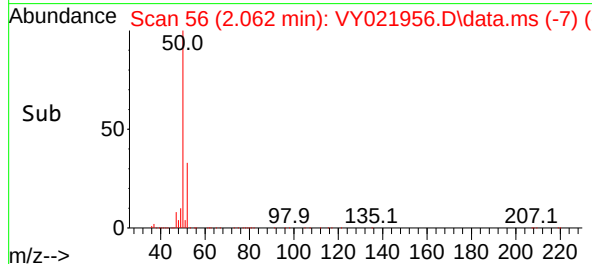
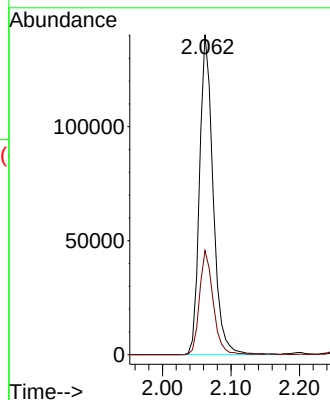
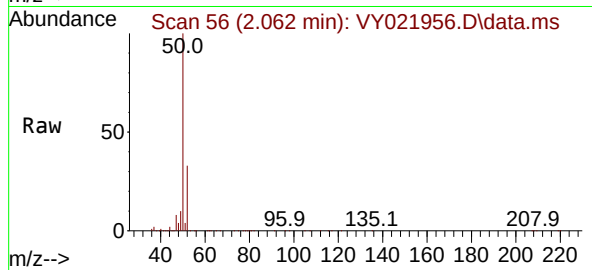
#3
Chloromethane
Concen: 49.653 ug/l
RT: 2.062 min Scan# 50
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 19365
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1

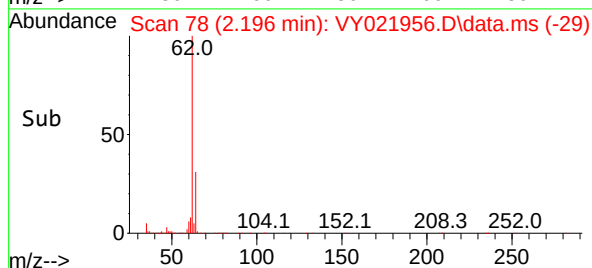
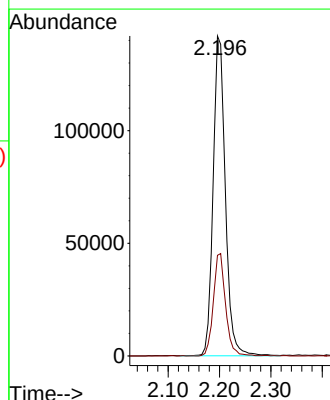
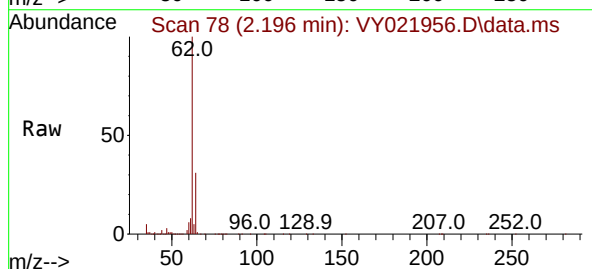
Manual Integrations
APPROVED

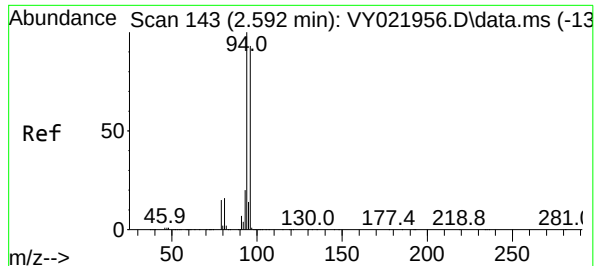
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 48.981 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

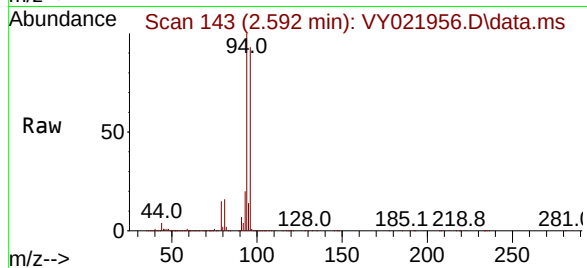
Tgt Ion: 62 Resp: 234756
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5
Bromomethane
Concen: 46.385 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

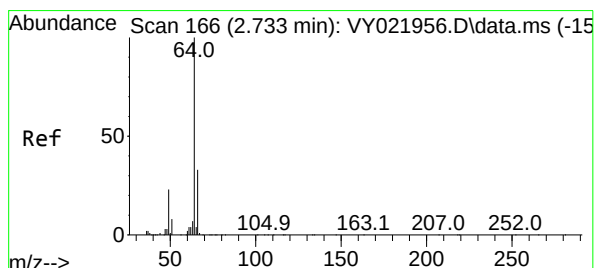
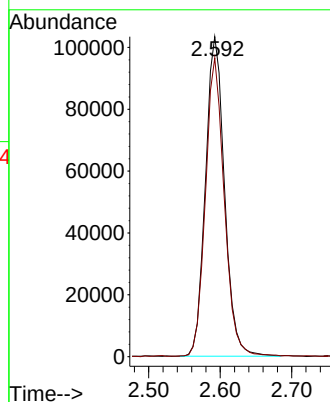
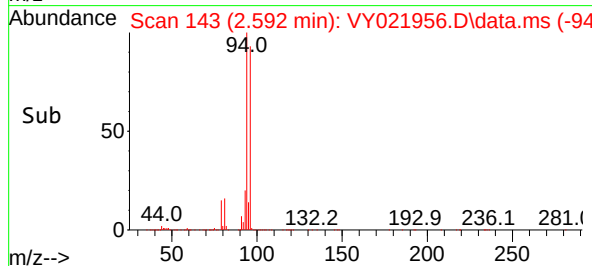
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



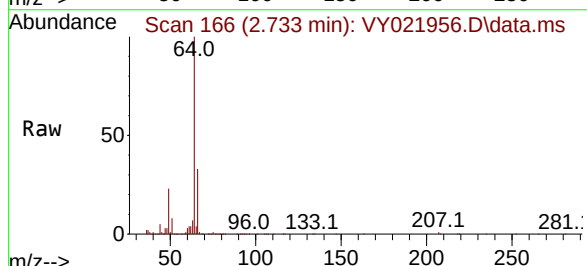
Tgt Ion: 94 Resp: 191530
Ion Ratio Lower Upper
94 100
96 93.2 74.6 111.8

Manual Integrations
APPROVED

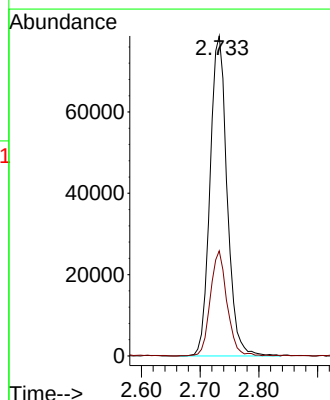
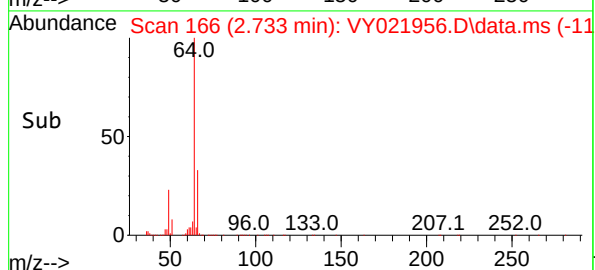
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

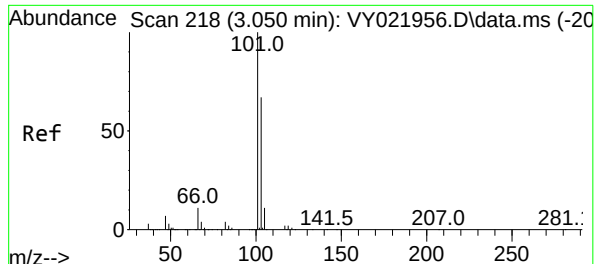


#6
Chloroethane
Concen: 48.677 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29



Tgt Ion: 64 Resp: 158887
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





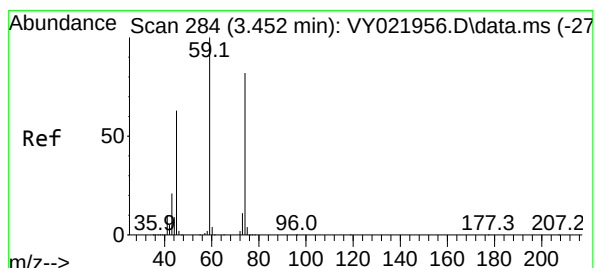
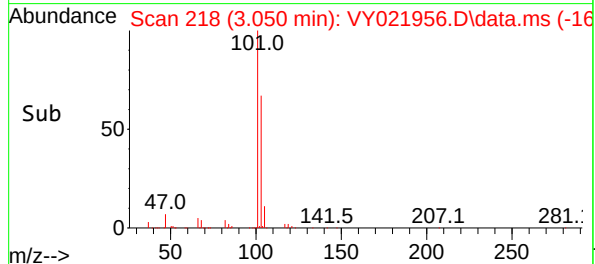
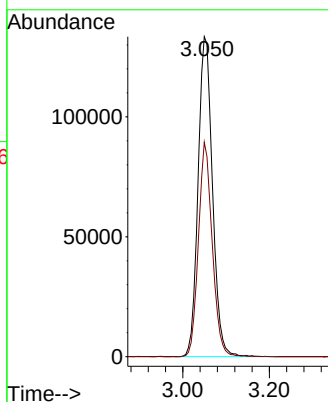
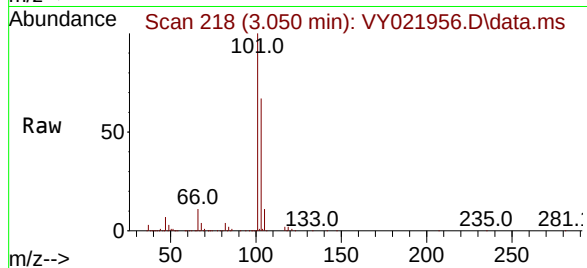
#7
Trichlorofluoromethane
Concen: 48.817 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 30852
Ion Ratio Lower Upper
101 100
103 67.0 53.6 80.4

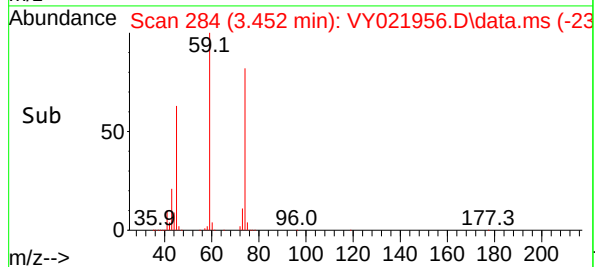
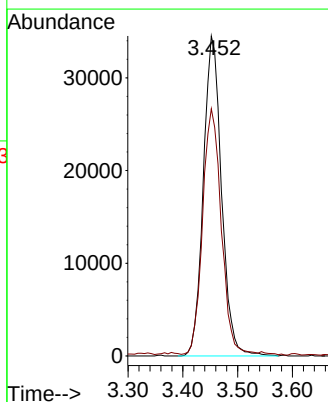
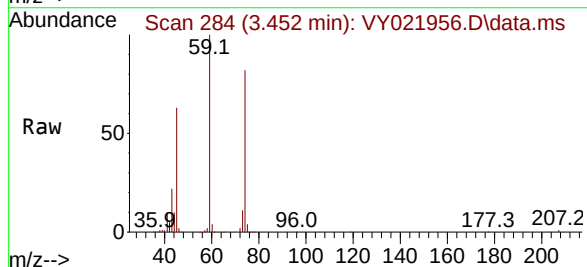
Manual Integrations
APPROVED

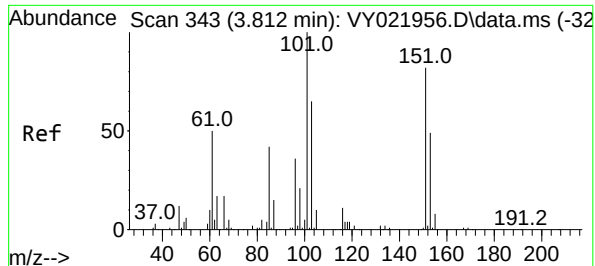
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 48.337 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 74 Resp: 79512
Ion Ratio Lower Upper
74 100
45 78.3 39.1 117.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.881 ug/l

RT: 3.812 min Scan# 343

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

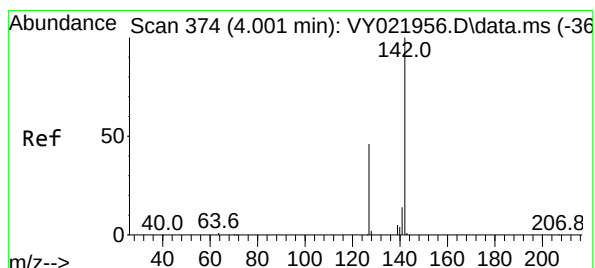
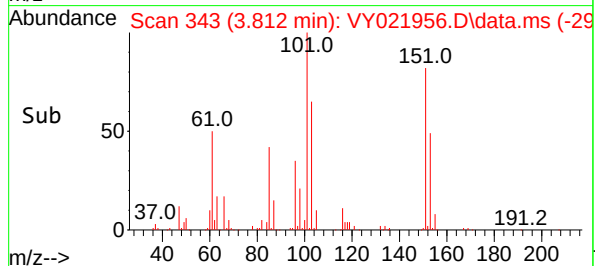
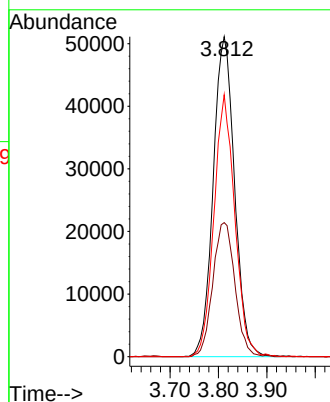
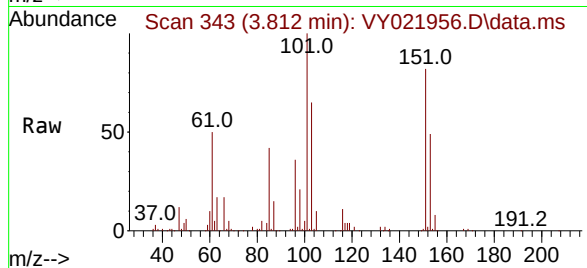
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	15729
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	79.6	63.7	95.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10

Methyl Iodide

Concen: 50.959 ug/l

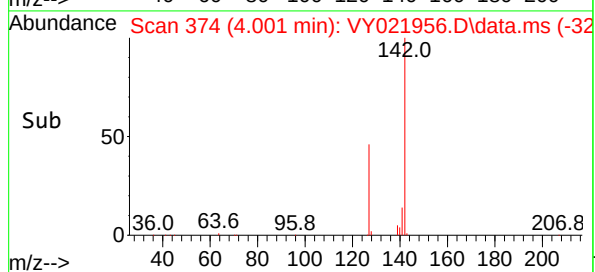
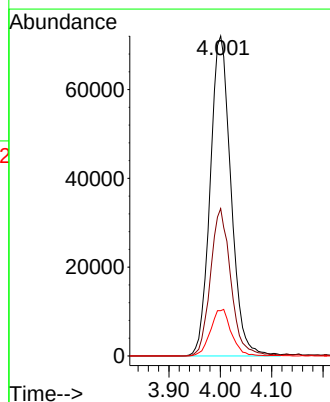
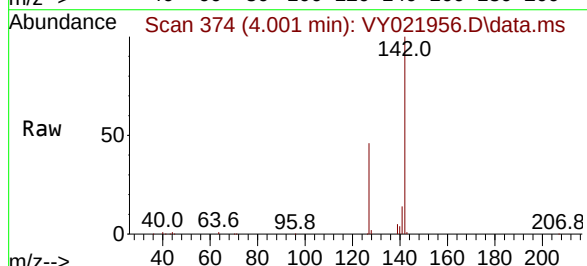
RT: 4.001 min Scan# 374

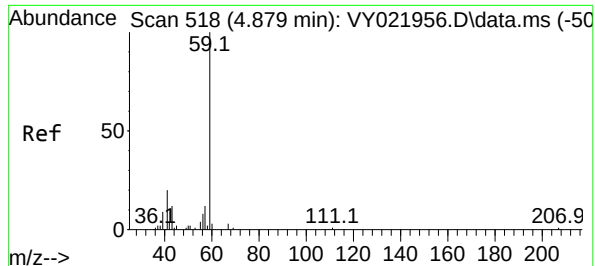
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	142	Resp:	202276
Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.2	54.2
141	14.6	11.7	17.5





#11

Tert butyl alcohol

Concen: 257.462 ug/l

RT: 4.879 min Scan# 518

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 41968

Ion Ratio Lower Upper

59 100

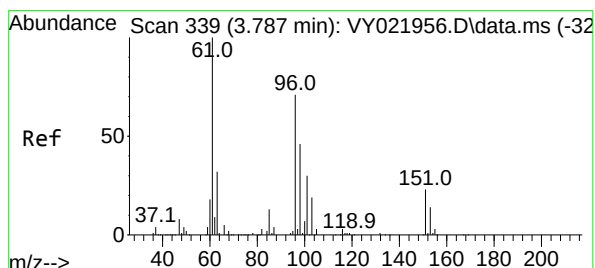
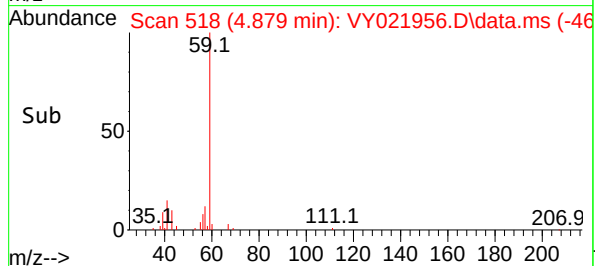
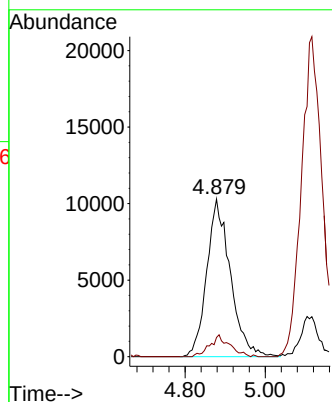
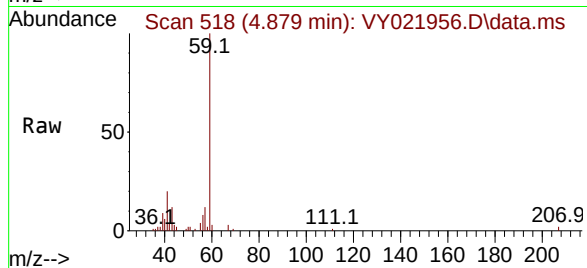
57 11.6 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 47.419 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

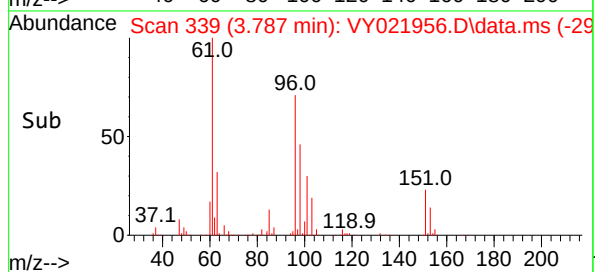
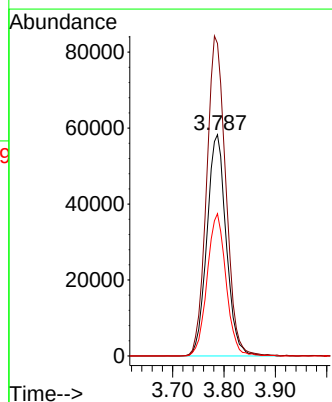
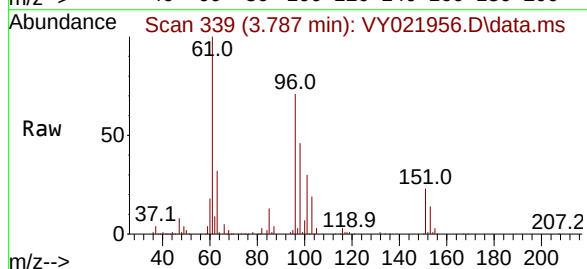
Tgt Ion: 96 Resp: 151531

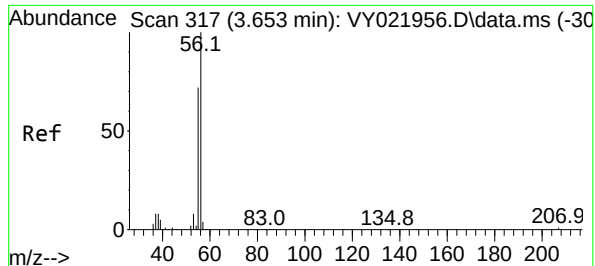
Ion Ratio Lower Upper

96 100

61 141.2 113.0 169.4

98 64.3 51.4 77.2





#13

Acrolein

Concen: 233.366 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 6827

Ion Ratio Lower Upper

56 100

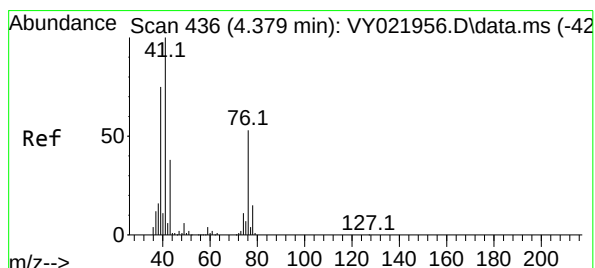
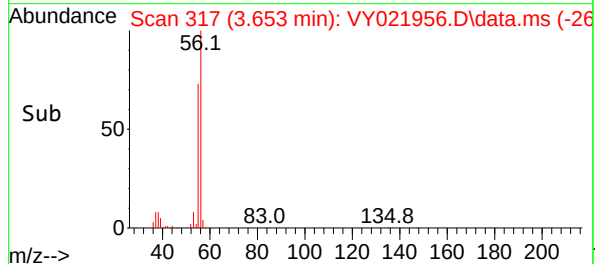
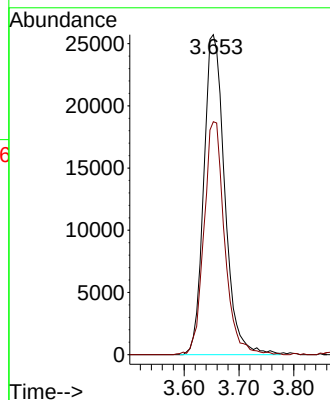
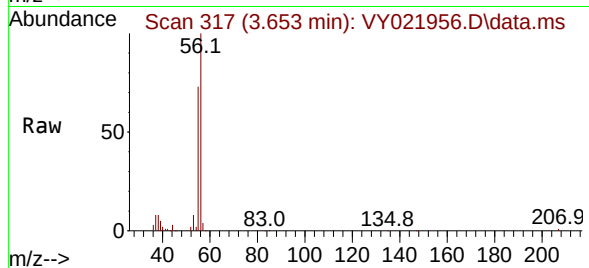
55 71.7 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 47.988 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

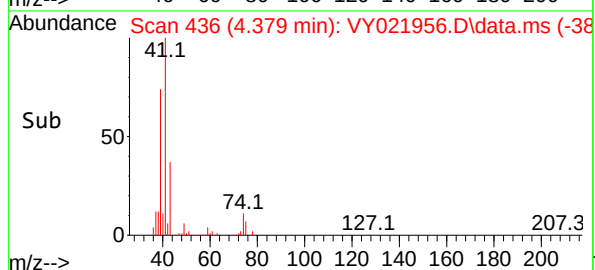
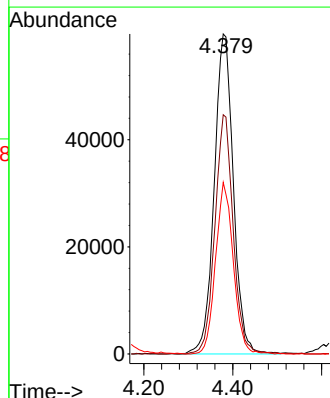
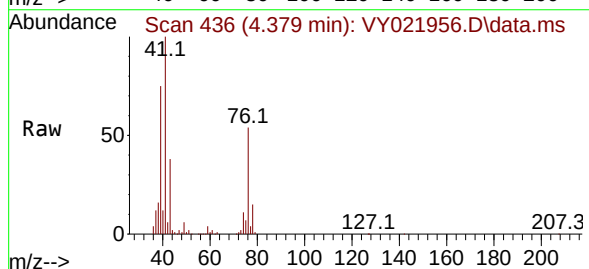
Tgt Ion: 41 Resp: 178559

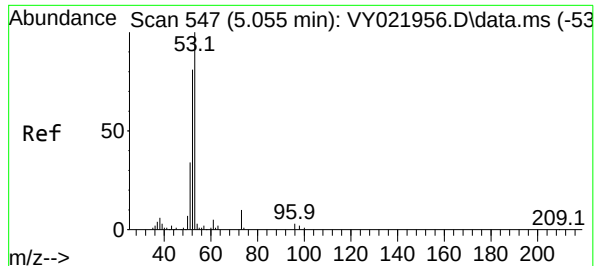
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 49.6 39.7 59.5





#15

Acrylonitrile

Concen: 249.387 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

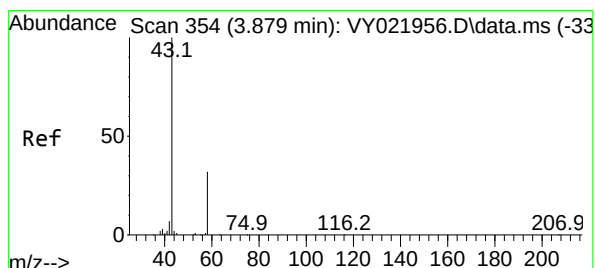
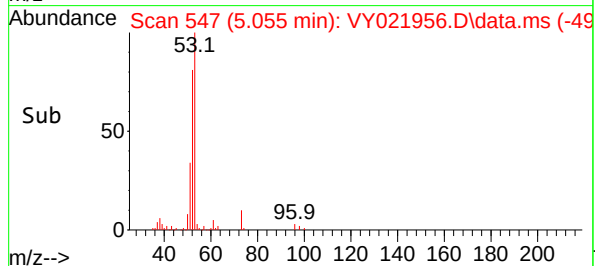
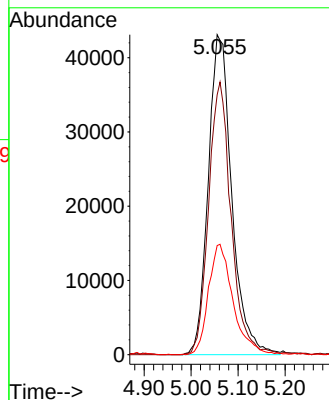
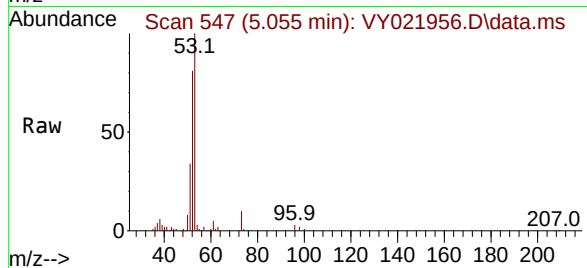
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	15018
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	36.1	28.9	43.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 261.973 ug/l

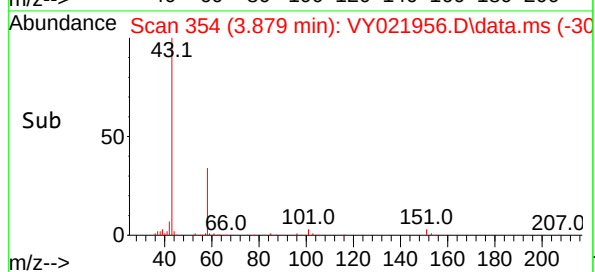
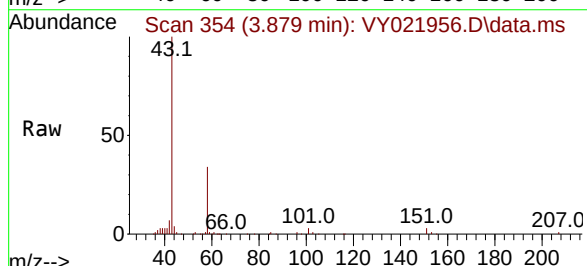
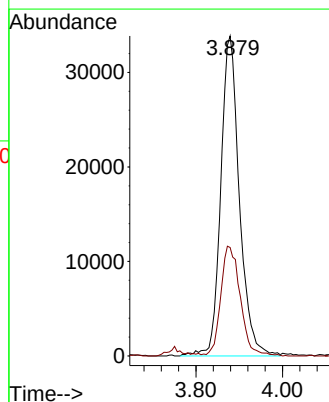
RT: 3.879 min Scan# 354

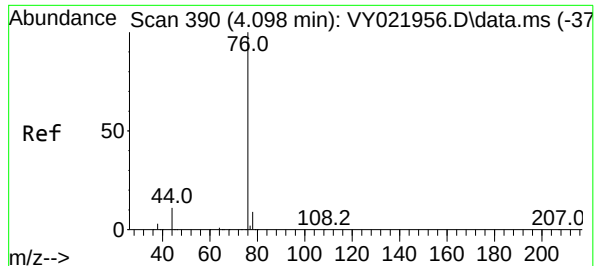
Delta R.T. -0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	43	Resp:	101417
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.0	40.4





#17

Carbon Disulfide

Concen: 47.094 ug/l

RT: 4.098 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 47984

Ion Ratio Lower Upper

76 100

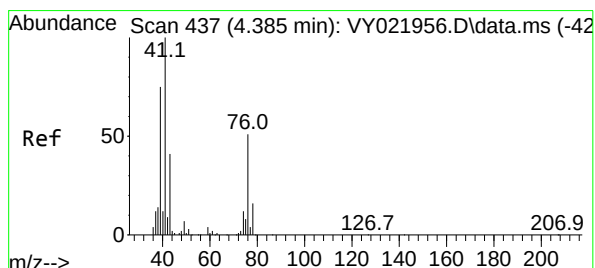
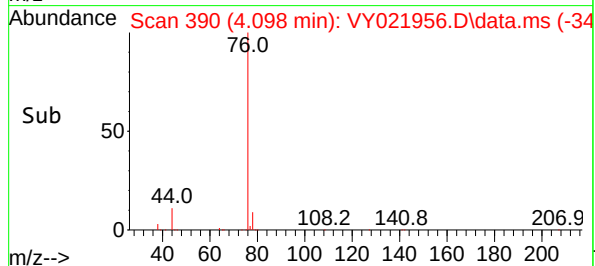
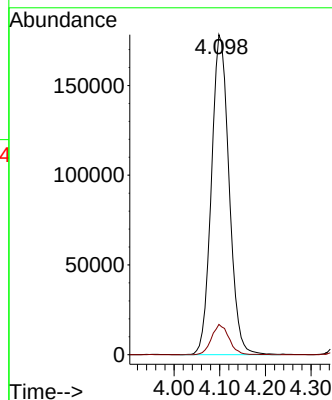
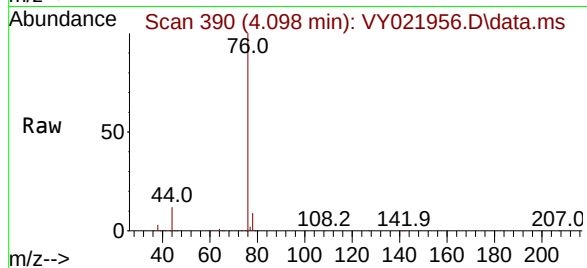
78 9.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#18

Methyl Acetate

Concen: 51.735 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021956.D

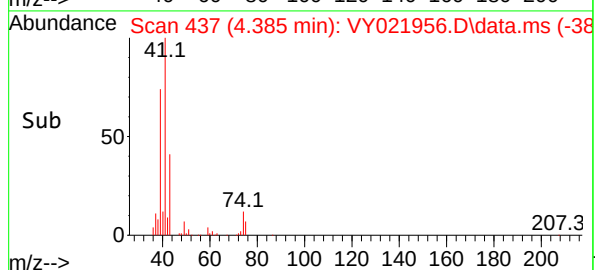
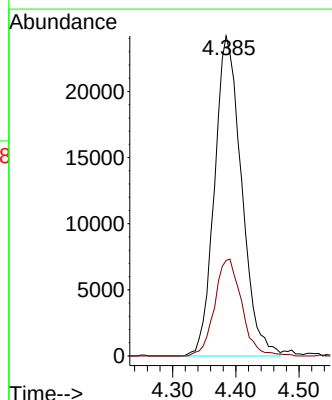
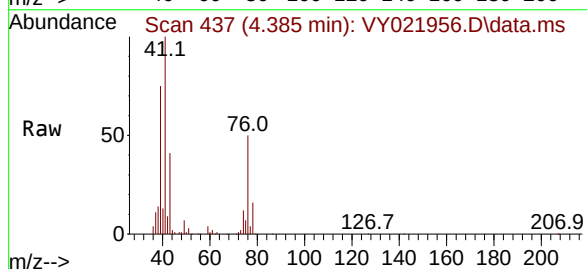
Acq: 22 Apr 2025 15:29

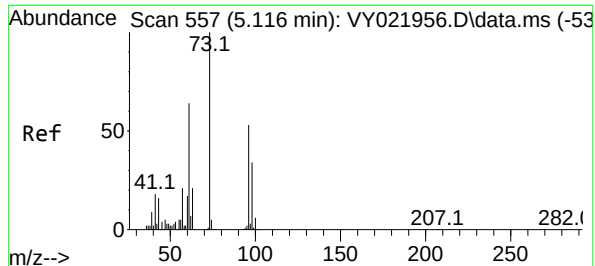
Tgt Ion: 43 Resp: 71756

Ion Ratio Lower Upper

43 100

74 30.3 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 50.907 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 36410

Ion Ratio Lower Upper

73 100

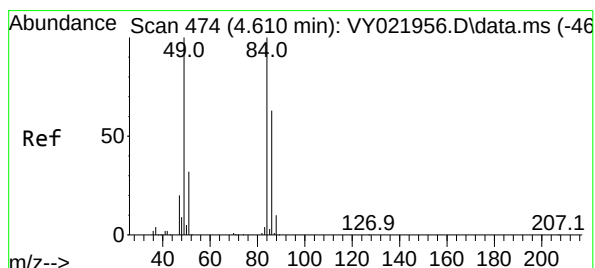
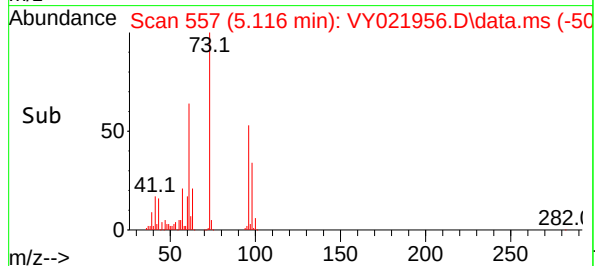
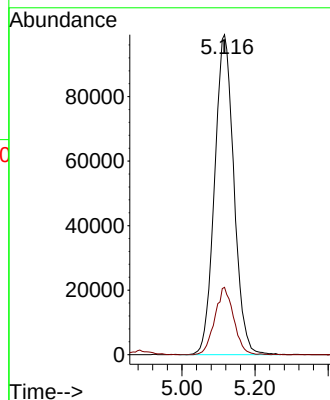
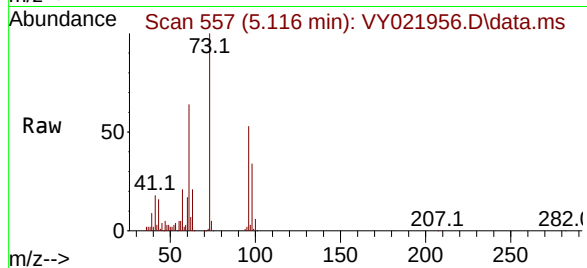
57 21.1 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 45.671 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion: 84 Resp: 171472

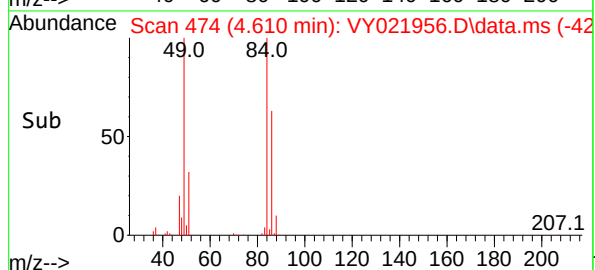
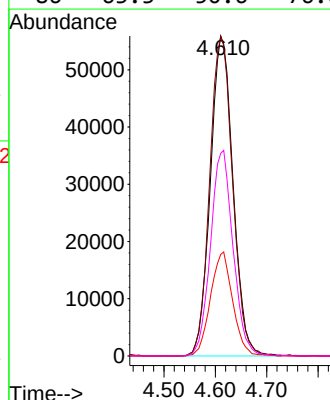
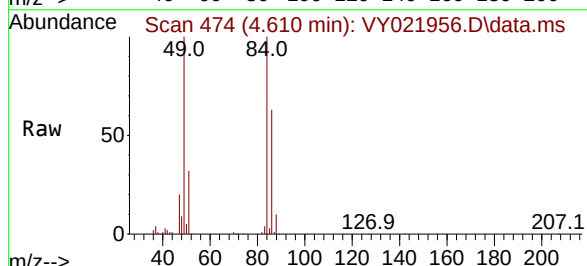
Ion Ratio Lower Upper

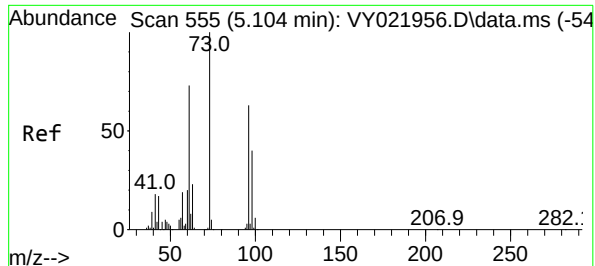
84 100

49 99.9 79.9 119.9

51 31.7 25.4 38.0

86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 47.796 ug/l

RT: 5.104 min Scan# 511

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

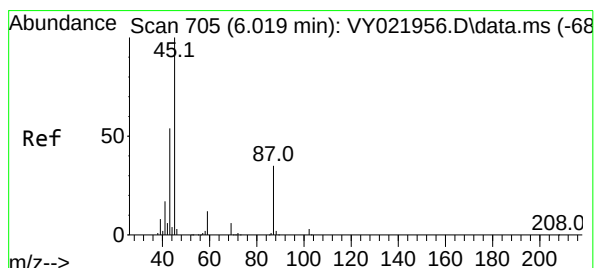
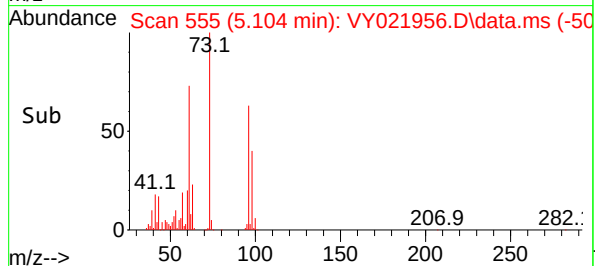
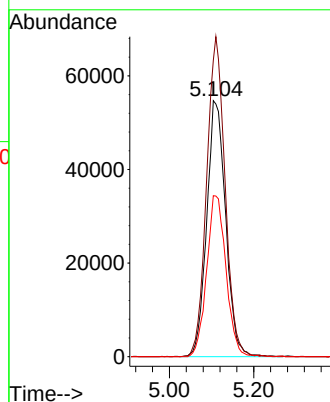
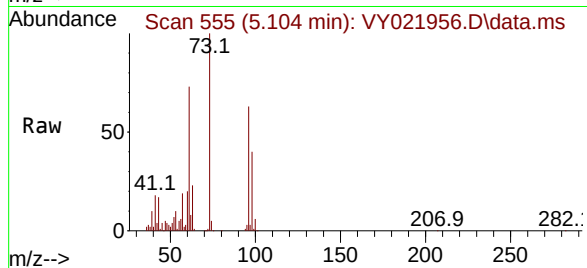
VSTDICCC050

Tgt Ion:	96	Resp:	171054
Ion	Ratio	Lower	Upper
96	100		
61	115.7	92.6	138.8
98	62.8	50.2	75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22

Diisopropyl ether

Concen: 50.096 ug/l

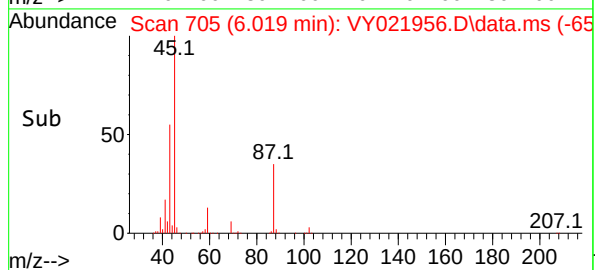
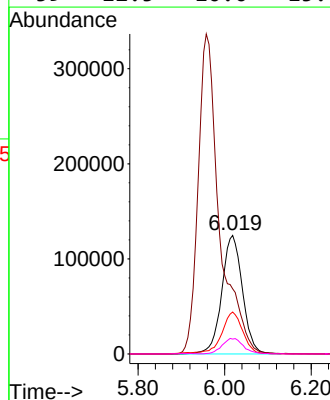
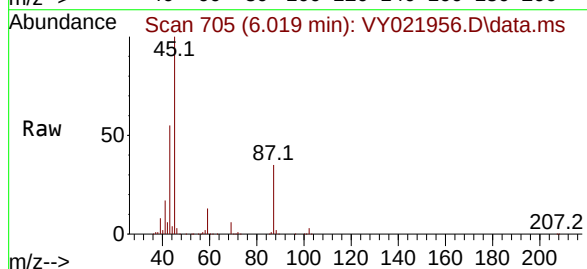
RT: 6.019 min Scan# 705

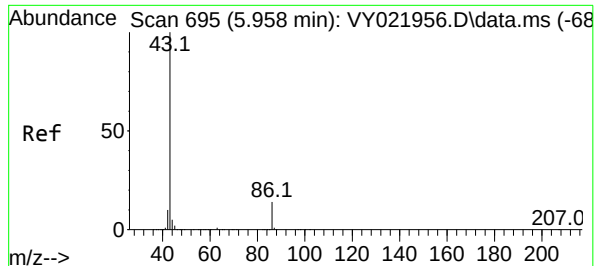
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	45	Resp:	414816
Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.6	65.4
87	35.3	28.2	42.4
59	12.5	10.0	15.0





#23

Vinyl Acetate

Concen: 257.942 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1151100

Ion Ratio Lower Upper

43

100

86

13.9

11.1

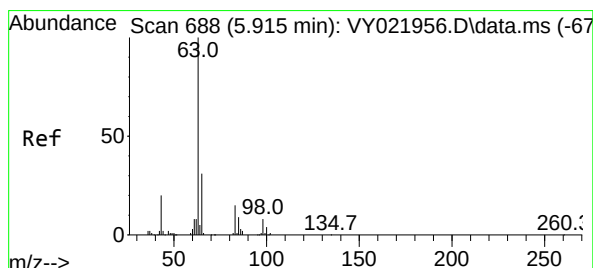
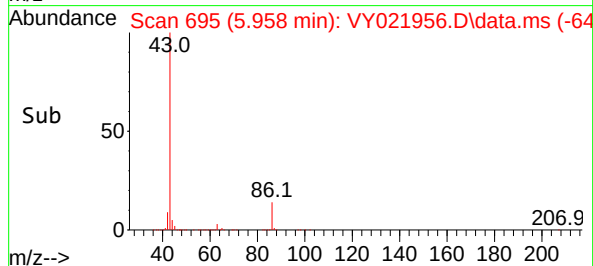
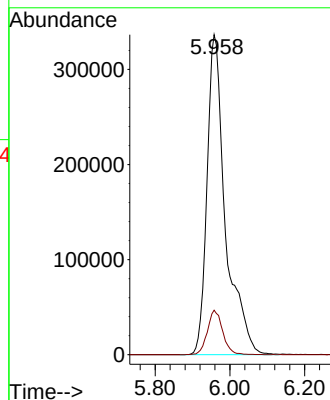
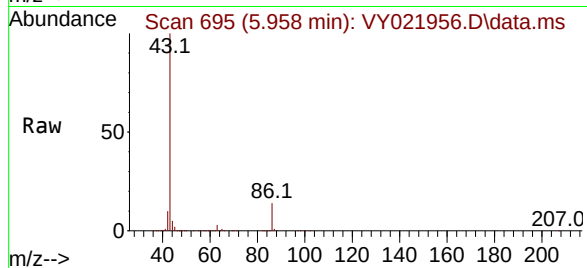
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 47.762 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 274136

Ion Ratio Lower Upper

63

100

98

7.9

4.0

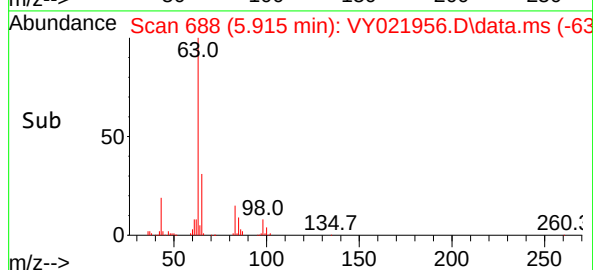
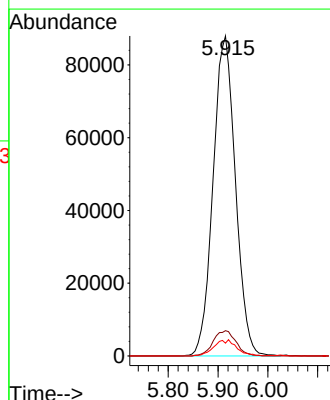
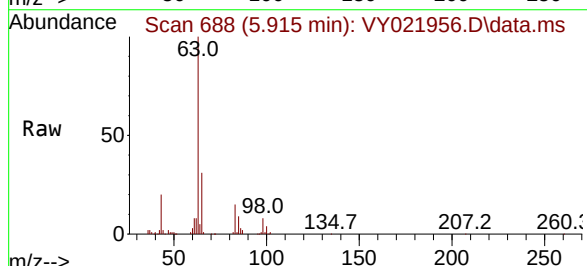
11.9

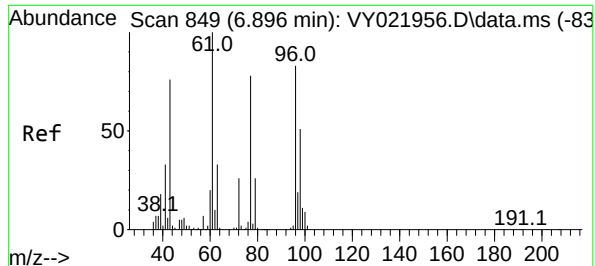
100

4.0

2.0

6.0





#25

2-Butanone

Concen: 250.772 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16972

Ion Ratio Lower Upper

43 100

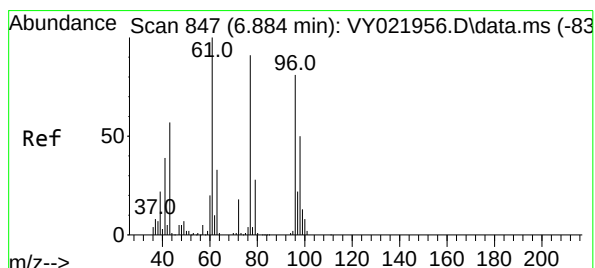
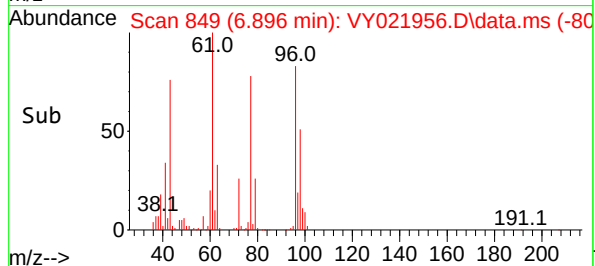
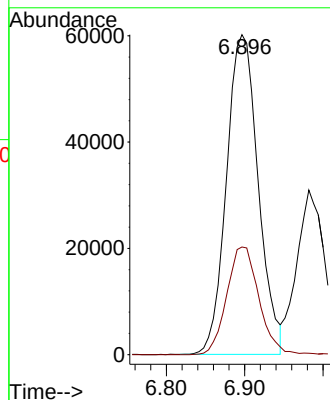
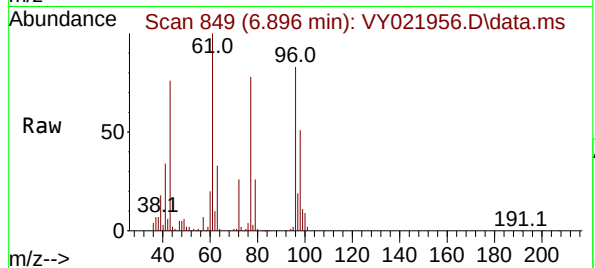
72 33.7 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 47.472 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021956.D

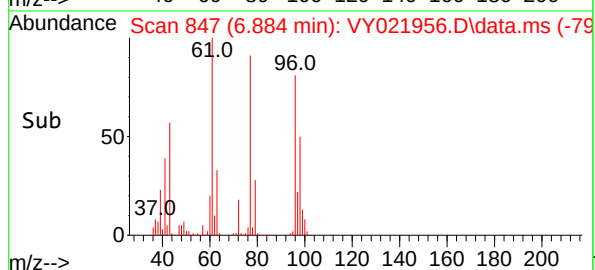
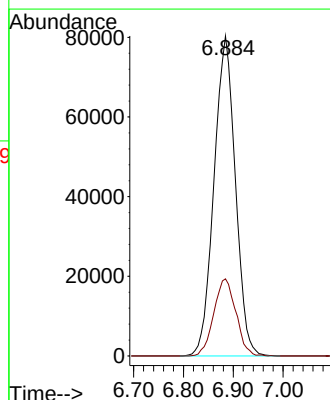
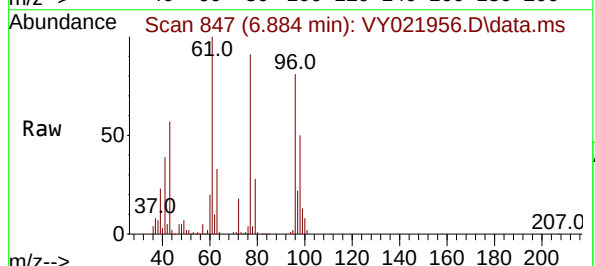
Acq: 22 Apr 2025 15:29

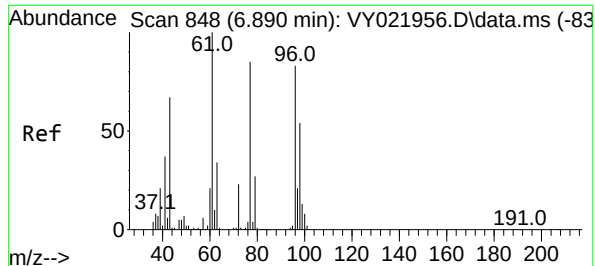
Tgt Ion: 77 Resp: 238816

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 49.157 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

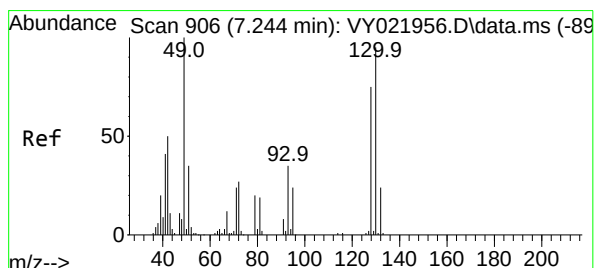
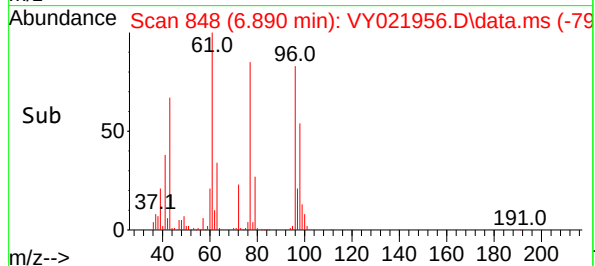
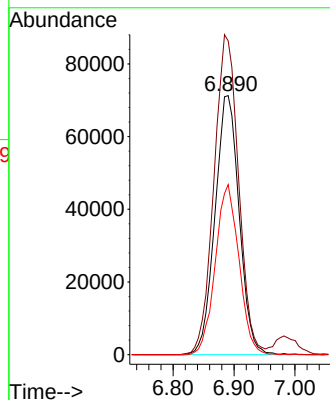
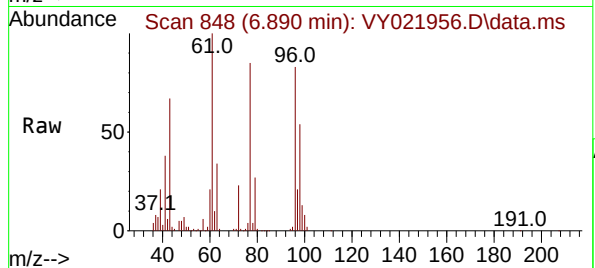
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	19671
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	251.4
98	64.2	0.0	128.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 49.520 ug/l

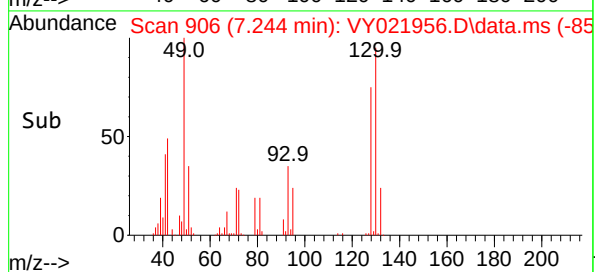
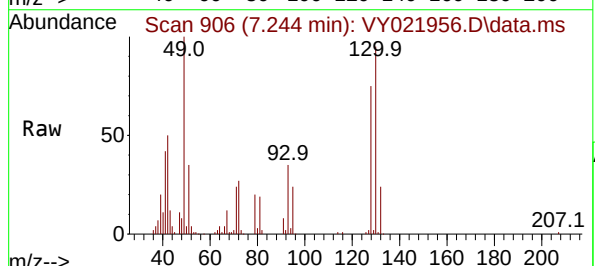
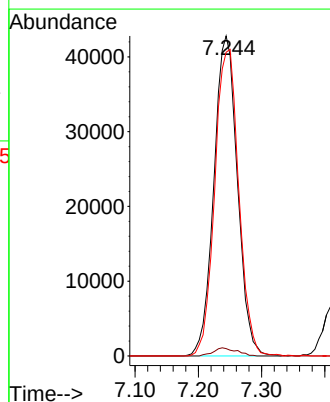
RT: 7.244 min Scan# 906

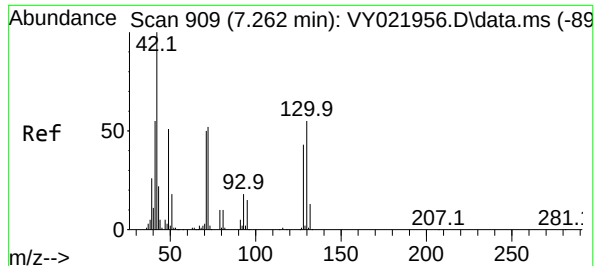
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	49	Resp:	110399
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.8	78.2	117.4





#29

Tetrahydrofuran

Concen: 266.870 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 11731

Ion Ratio Lower Upper

42 100

72 53.2 42.6 63.8

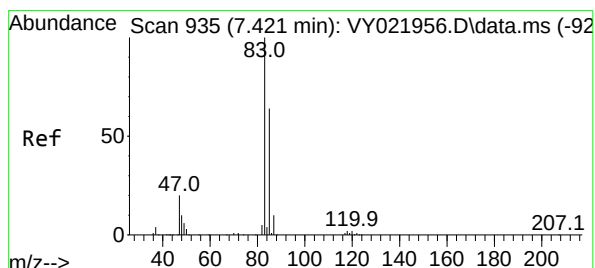
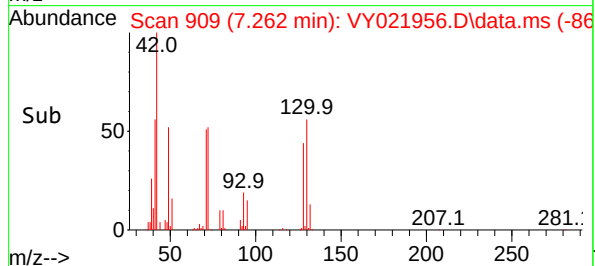
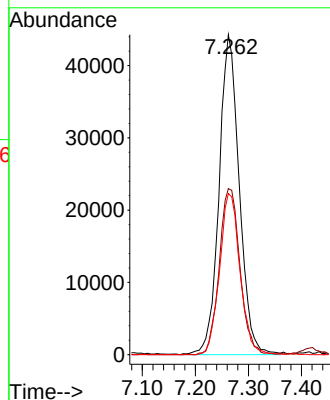
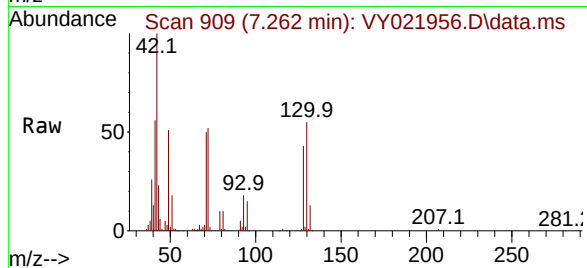
71 50.8 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 48.259 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021956.D

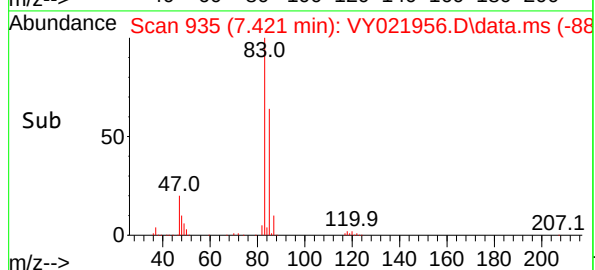
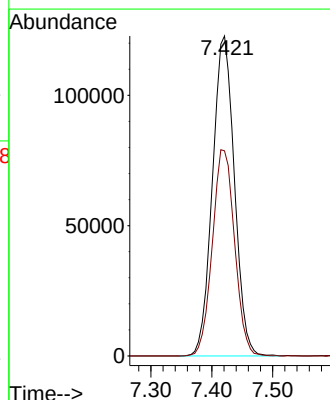
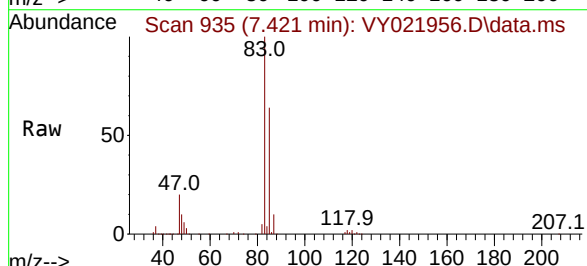
Acq: 22 Apr 2025 15:29

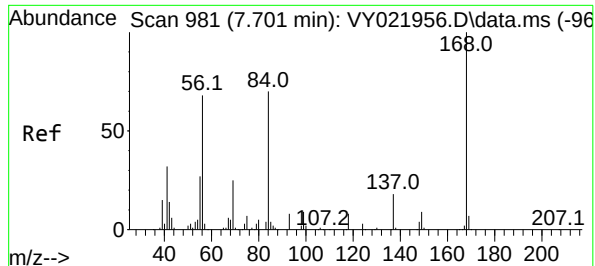
Tgt Ion: 83 Resp: 307243

Ion Ratio Lower Upper

83 100

85 64.1 51.3 76.9





#31

Cyclohexane

Concen: 46.398 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 227735

Ion Ratio Lower Upper

56 100

69 36.8 29.4 44.2

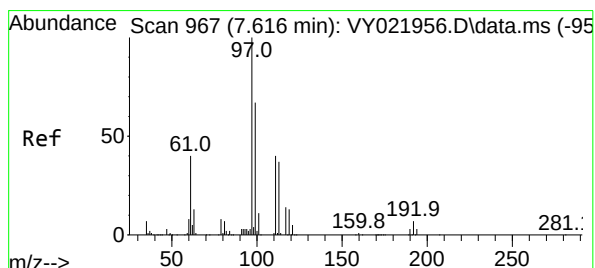
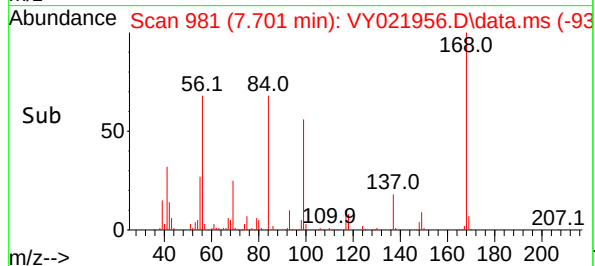
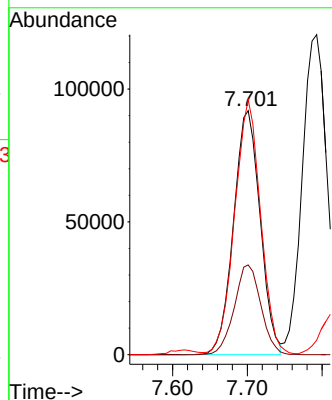
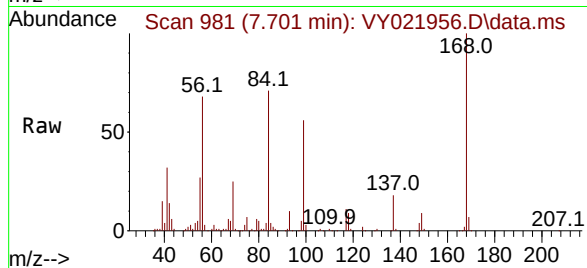
84 102.8 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 47.581 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

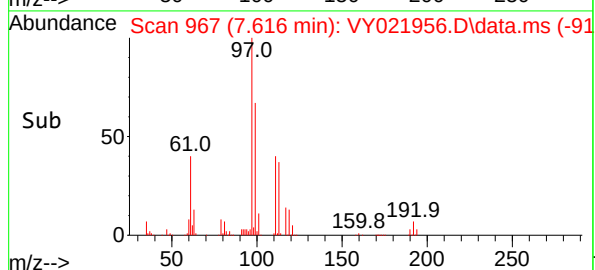
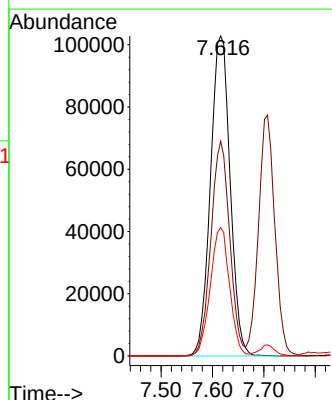
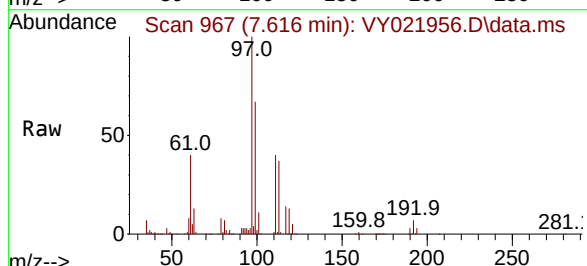
Tgt Ion: 97 Resp: 274062

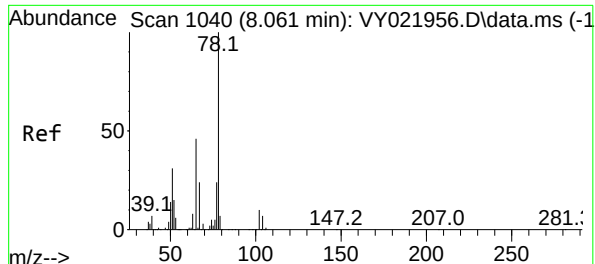
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.3 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 50.416 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 14969

Ion Ratio Lower Upper

65 100

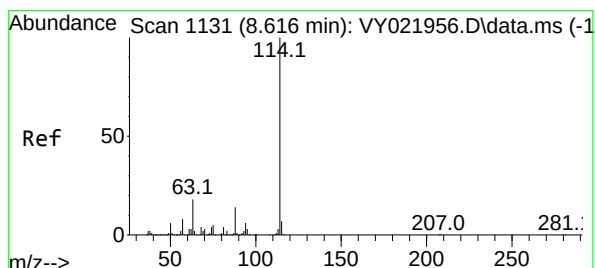
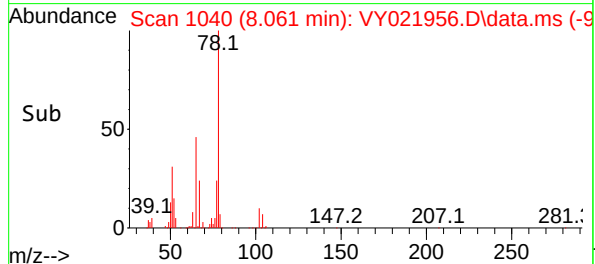
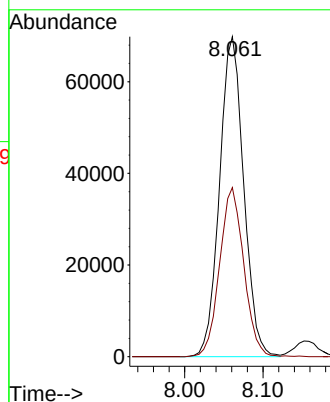
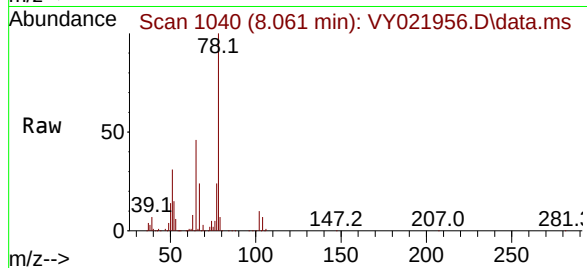
67 52.9 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

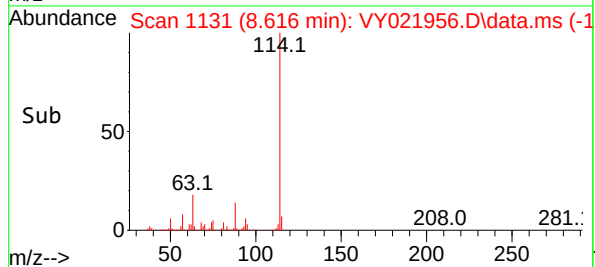
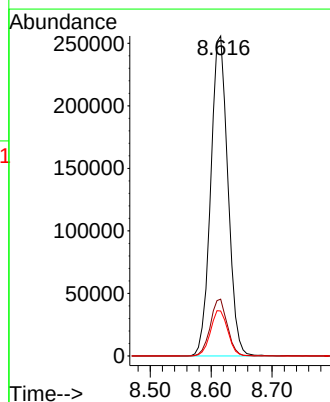
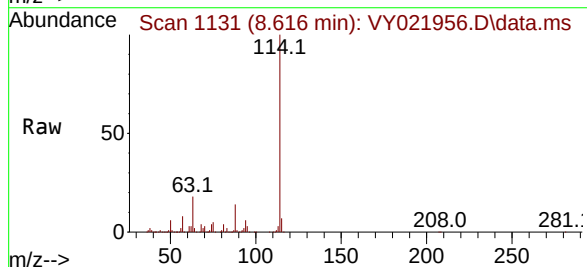
Tgt Ion:114 Resp: 499724

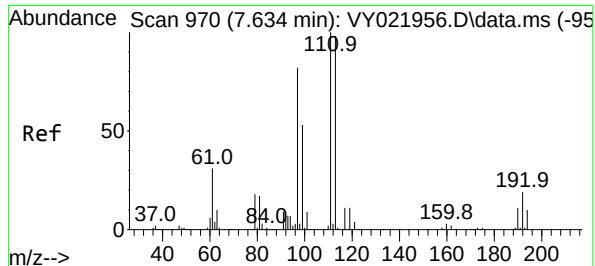
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.938 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 16486

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

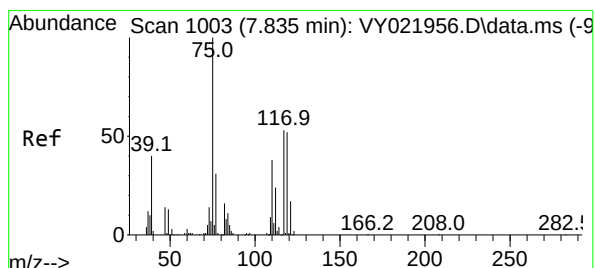
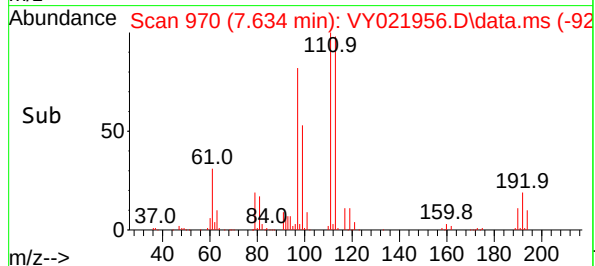
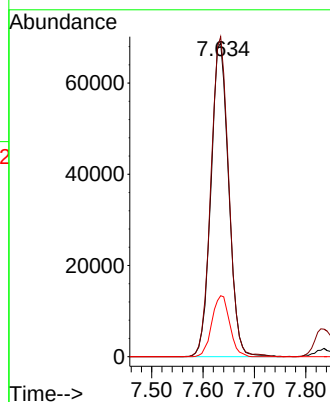
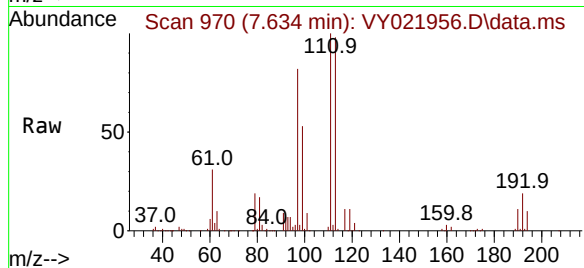
192 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 47.923 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

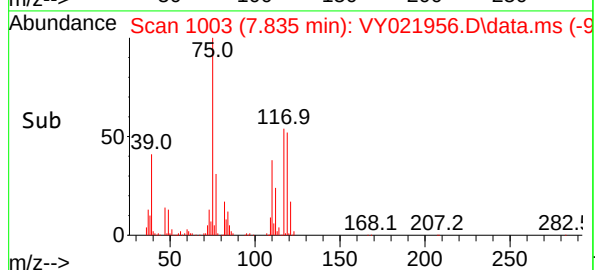
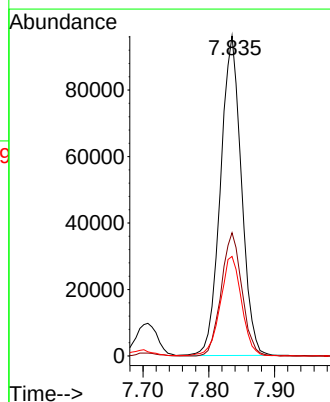
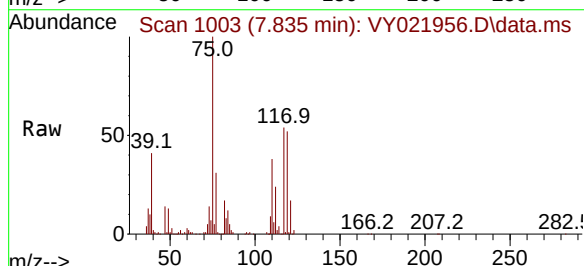
Tgt Ion: 75 Resp: 212523

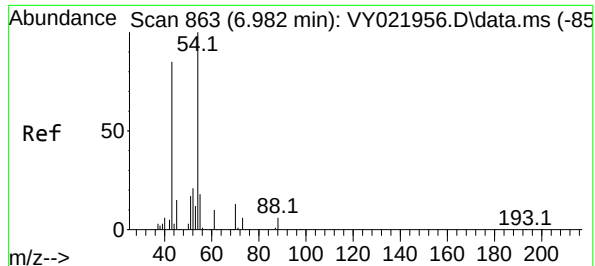
Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.3

77 31.9 25.5 38.3





#37

Ethyl Acetate

Concen: 51.312 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

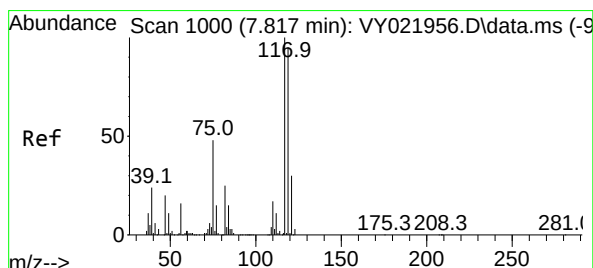
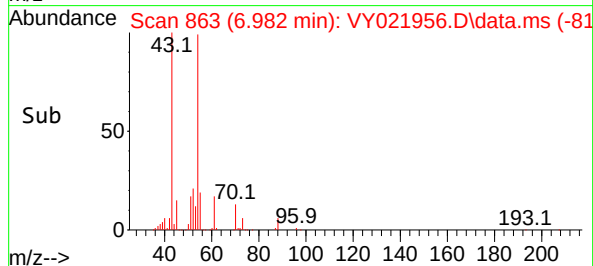
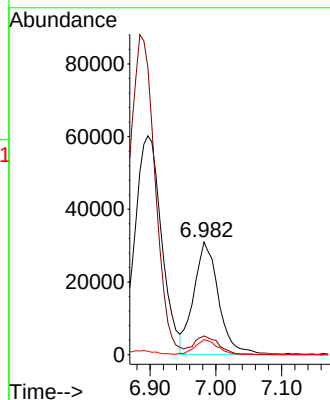
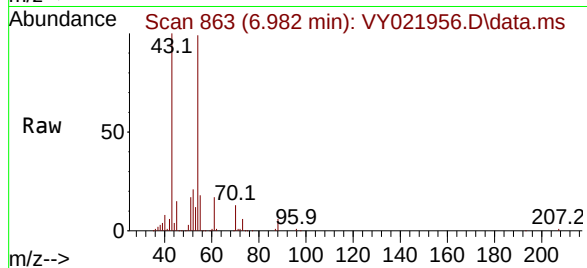
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	8062
Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.8	20.6
70	11.5	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 47.838 ug/l

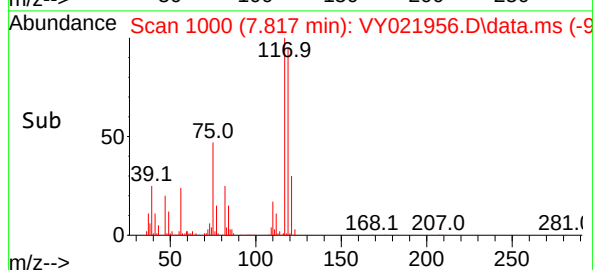
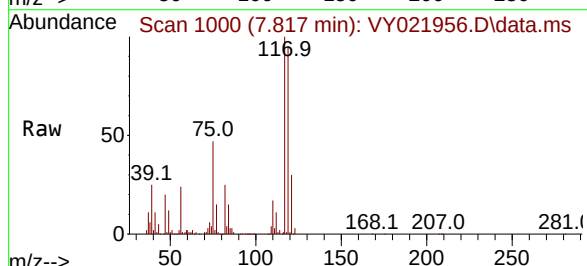
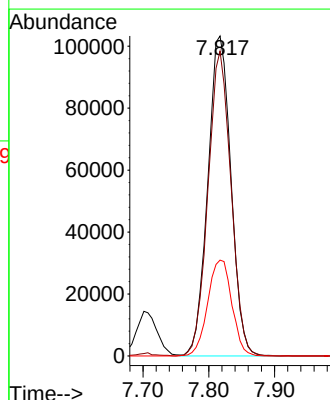
RT: 7.817 min Scan# 1000

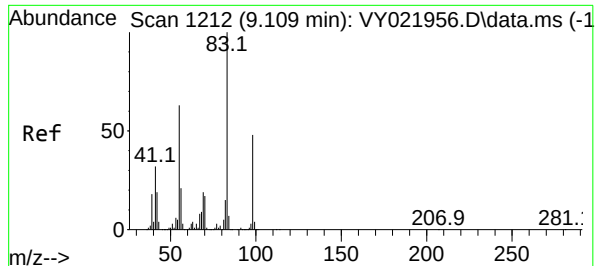
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	117	Resp:	253502
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.0	24.0	36.0





#39

Methylcyclohexane

Concen: 49.170 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 274408

Ion Ratio Lower Upper

83 100

55 63.2 50.6 75.8

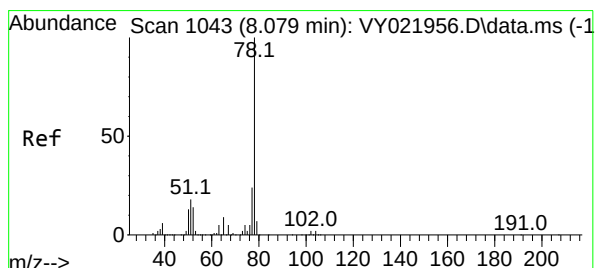
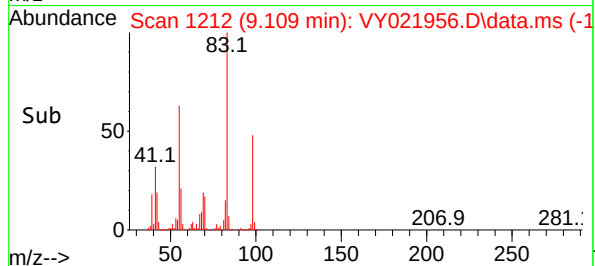
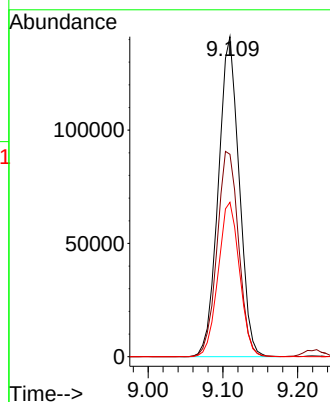
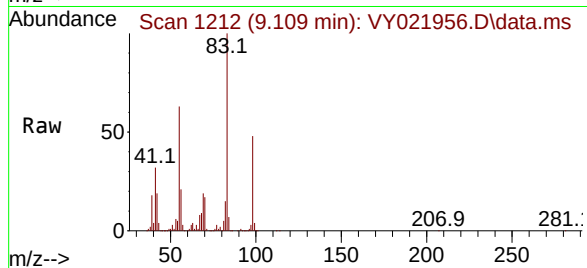
98 48.3 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 48.179 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021956.D

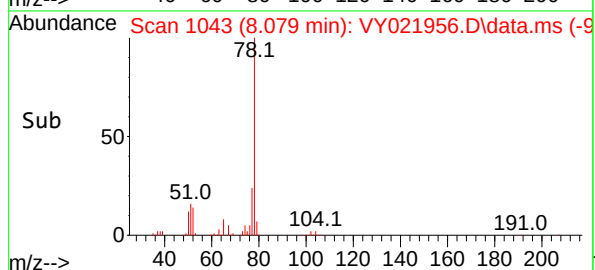
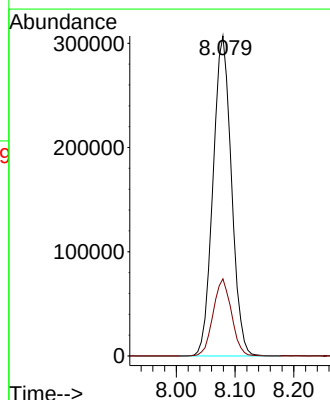
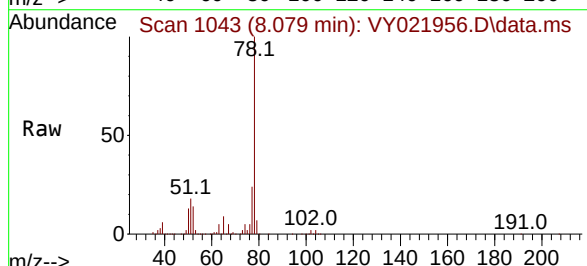
Acq: 22 Apr 2025 15:29

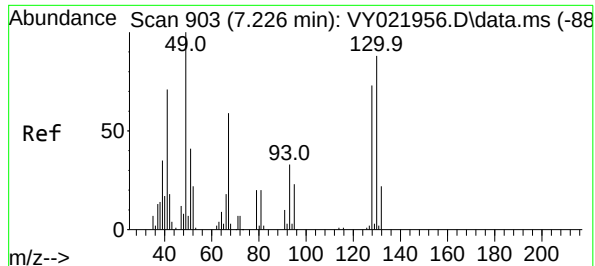
Tgt Ion: 78 Resp: 667899

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9





#41

Methacrylonitrile

Concen: 52.696 ug/l

RT: 7.226 min Scan# 903

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 45898

Ion Ratio Lower Upper

41 100

39 45.8 36.6 55.0

67 90.3 72.2 108.4

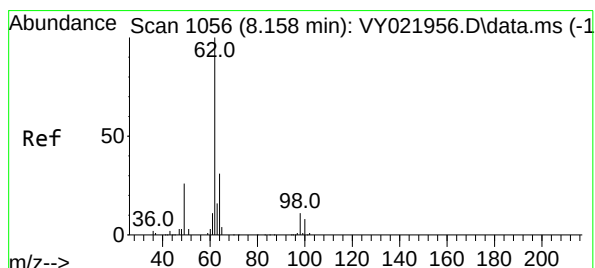
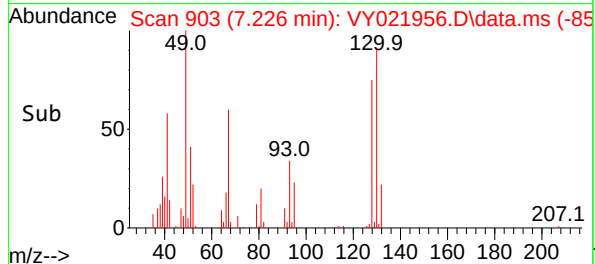
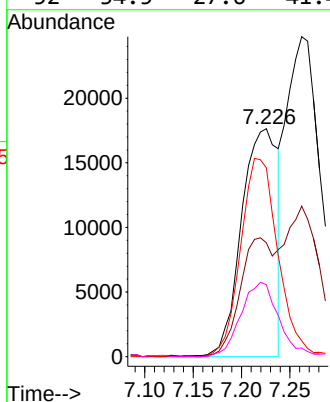
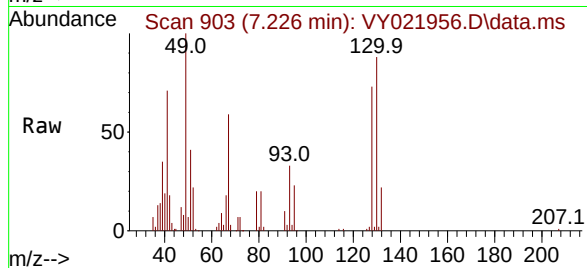
52 34.5 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#42

1,2-Dichloroethane

Concen: 48.835 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021956.D

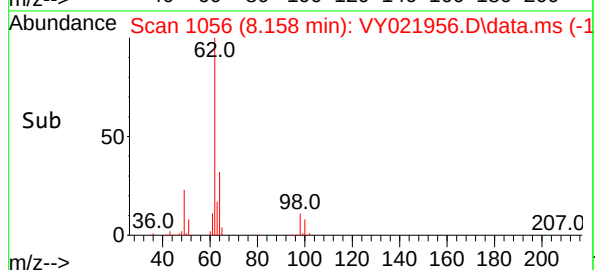
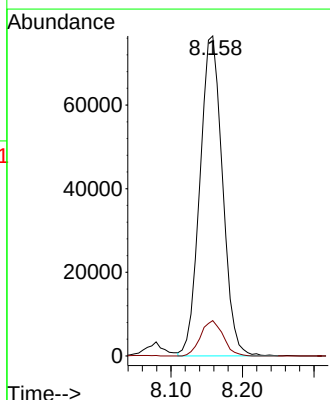
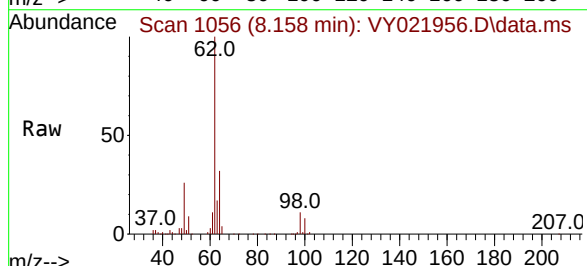
Acq: 22 Apr 2025 15:29

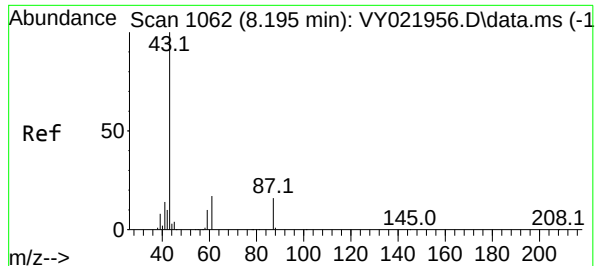
Tgt Ion: 62 Resp: 167612

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 50.948 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

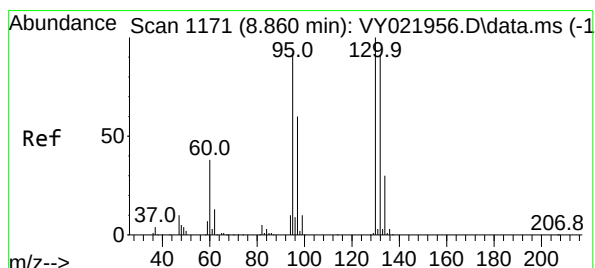
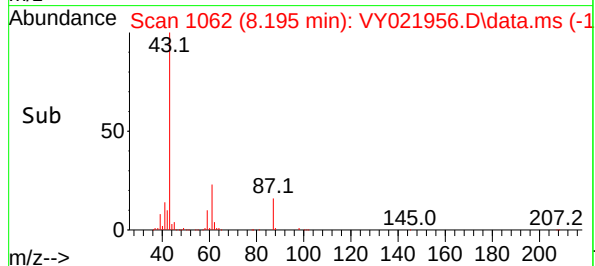
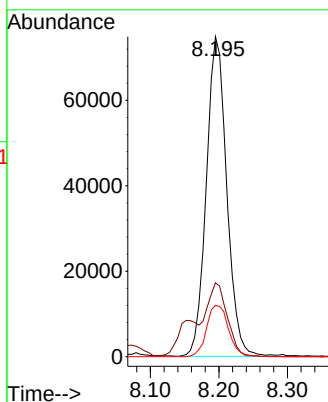
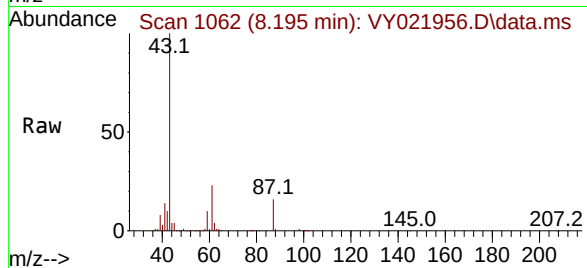
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	15583
Ion	Ratio	Lower	Upper
43	100		
61	23.6	18.9	28.3
87	17.1	13.7	20.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 47.744 ug/l

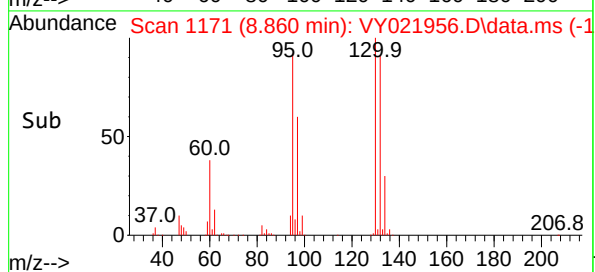
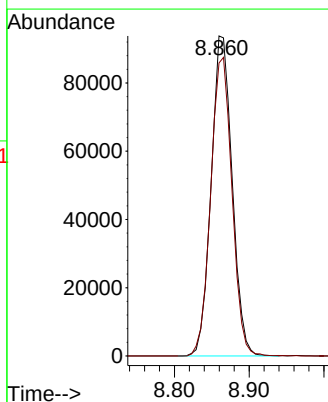
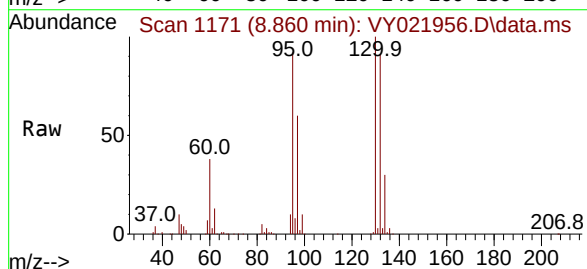
RT: 8.860 min Scan# 1171

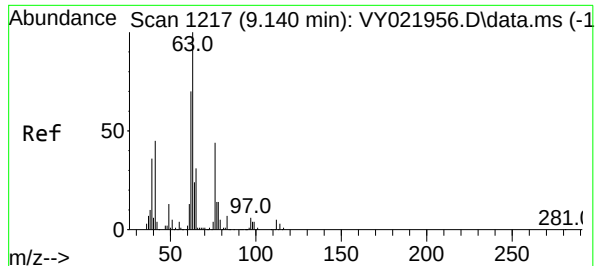
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	130	Resp:	183327
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	183.2





#45

1,2-Dichloropropane

Concen: 48.827 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 14968

Ion Ratio Lower Upper

63 100

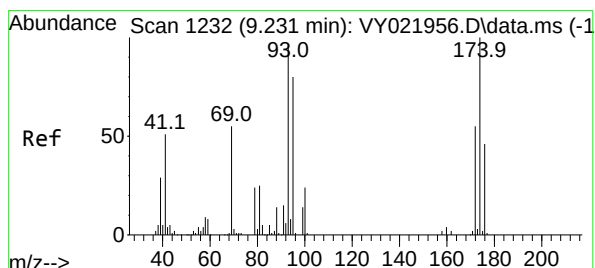
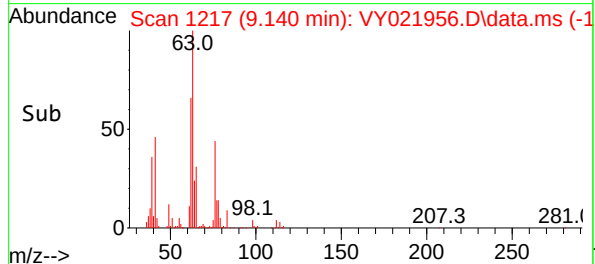
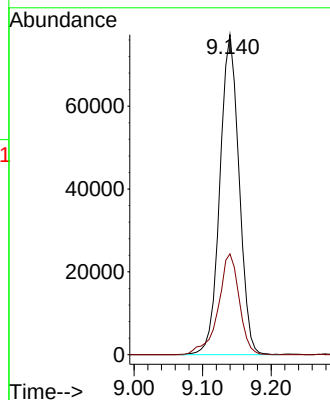
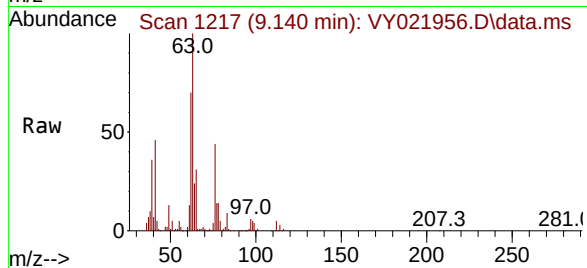
65 31.5 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 48.740 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

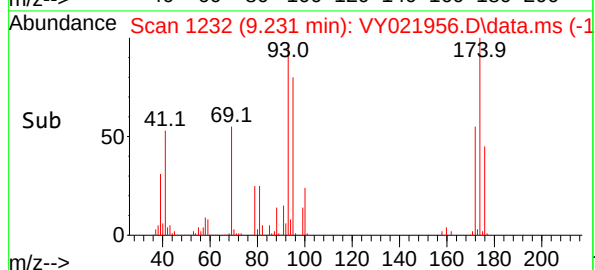
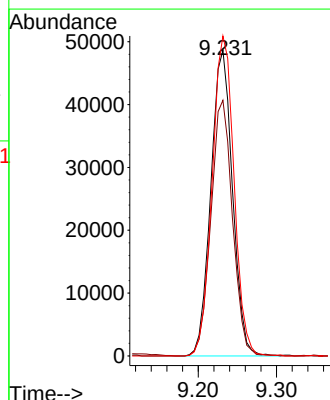
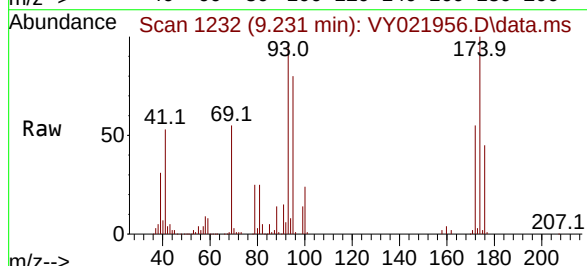
Tgt Ion: 93 Resp: 93536

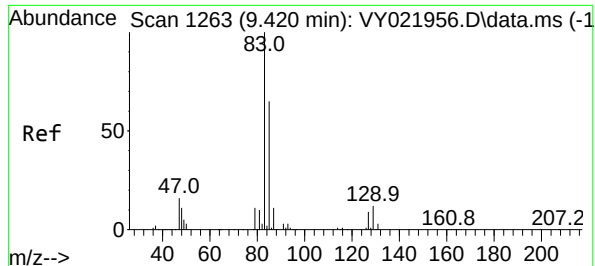
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 105.8 84.6 127.0





#47

Bromodichloromethane

Concen: 49.010 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

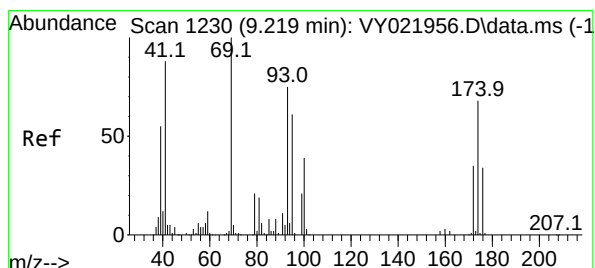
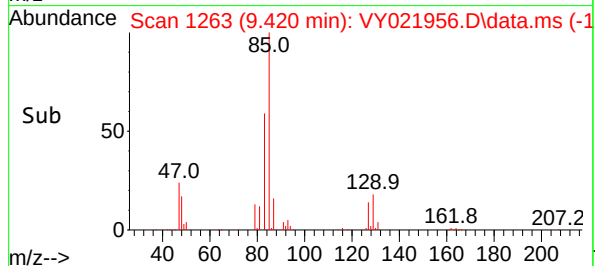
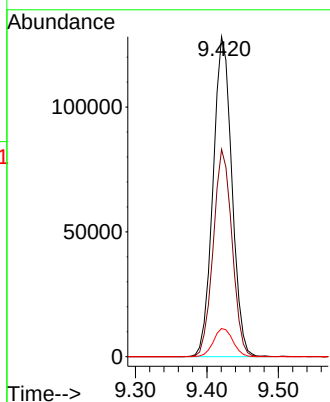
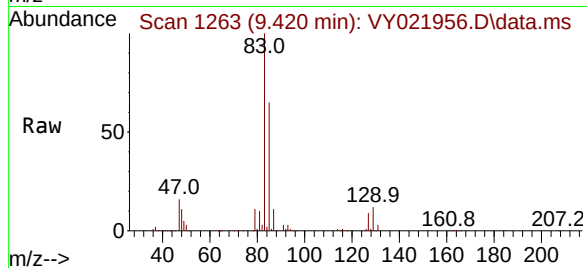
VSTDICCC050

Tgt Ion:	83	Resp:	23496
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.8	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 53.082 ug/l

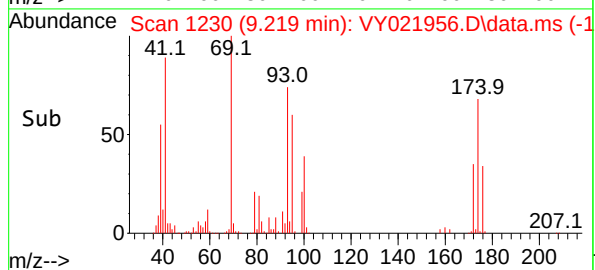
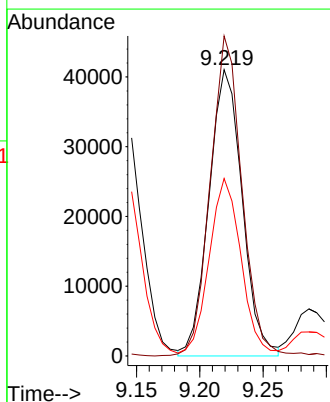
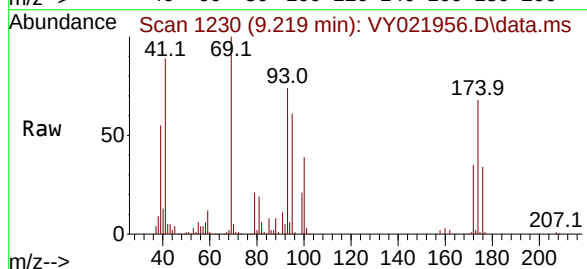
RT: 9.219 min Scan# 1230

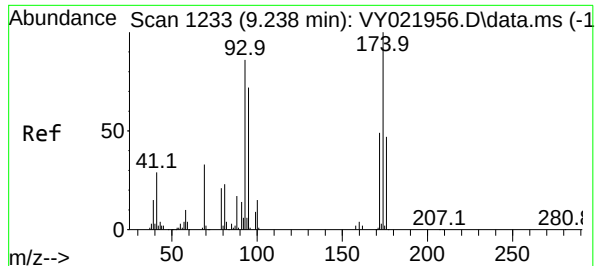
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	41	Resp:	75057
Ion	Ratio	Lower	Upper
41	100		
69	106.9	85.5	128.3
39	57.8	46.2	69.4





#49

1,4-Dioxane

Concen: 992.601 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

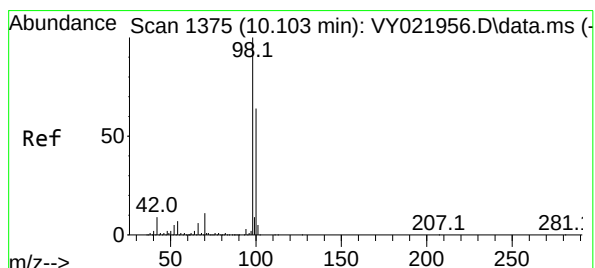
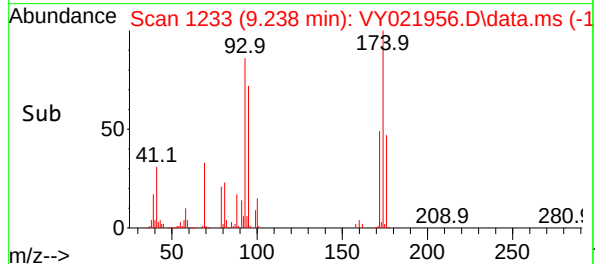
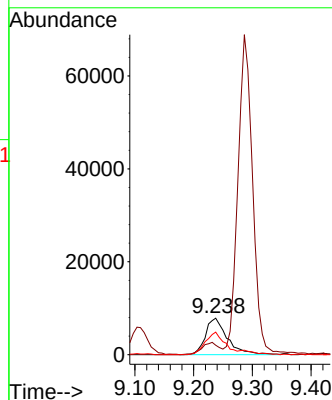
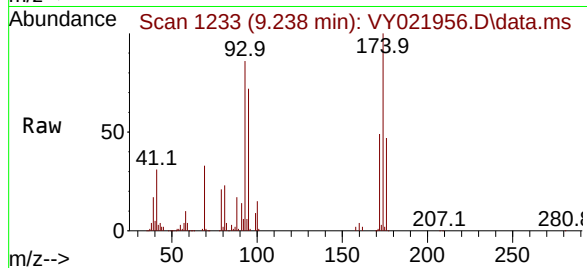
VSTDICCC050

Tgt Ion:	88	Resp:	2030
Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.3	31.9
58	63.1	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 51.241 ug/l

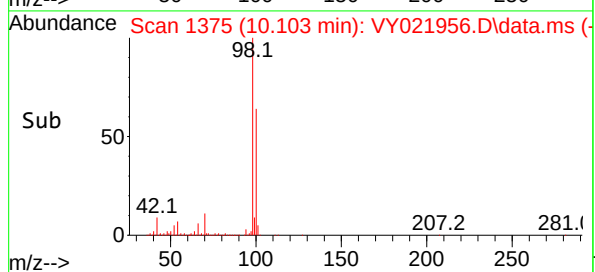
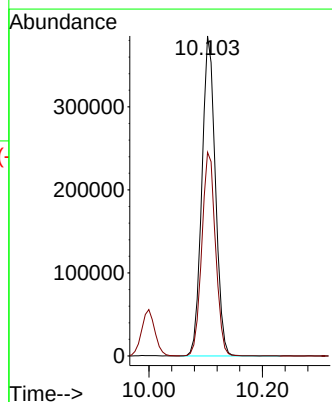
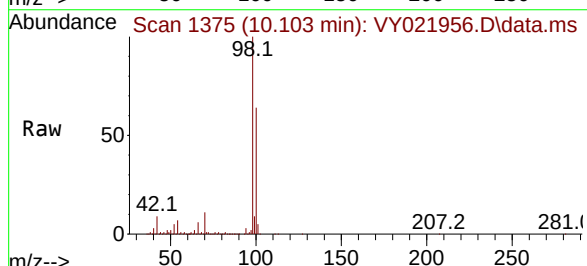
RT: 10.103 min Scan# 1375

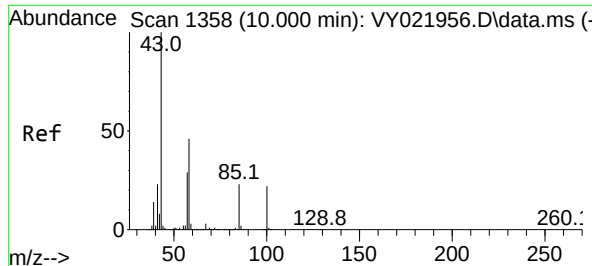
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

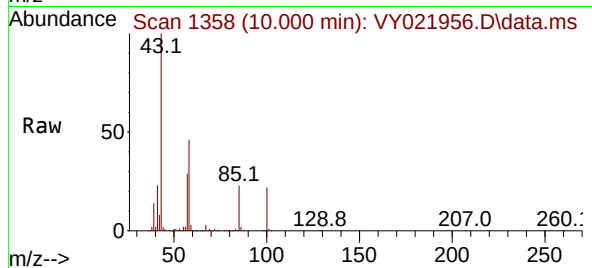
Tgt Ion:	98	Resp:	637767
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 267.326 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

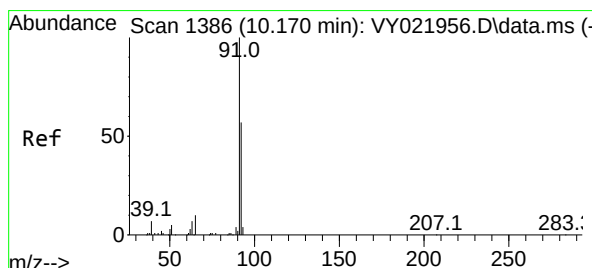
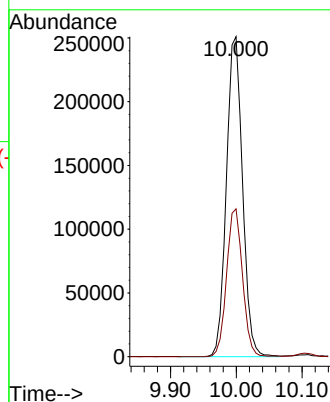
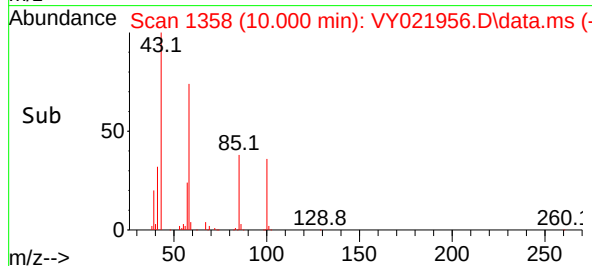
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 42863
Ion Ratio Lower Upper
43 100
58 45.8 36.6 55.0

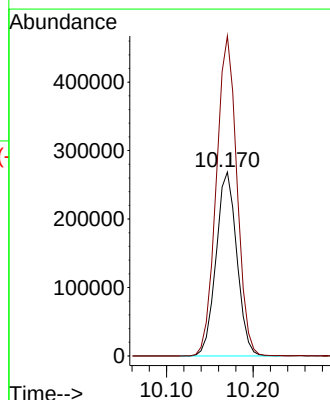
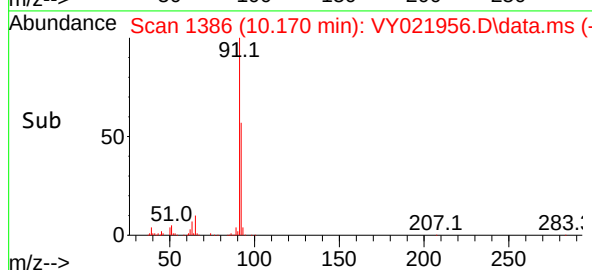
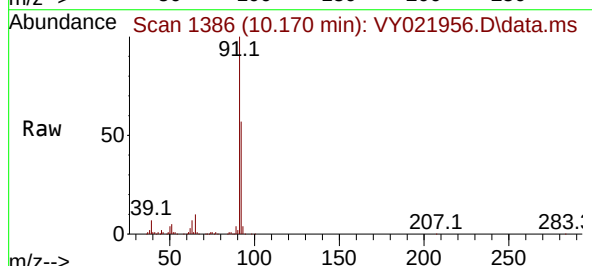
Manual Integrations
APPROVED

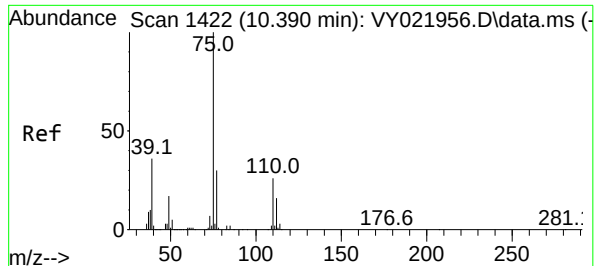
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 49.760 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 92 Resp: 446525
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





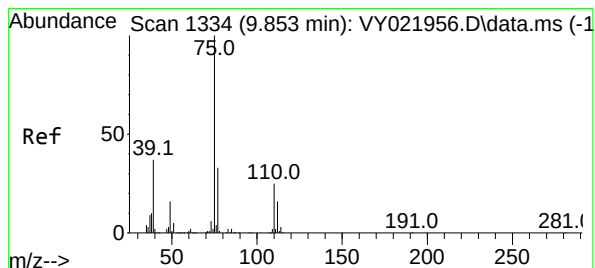
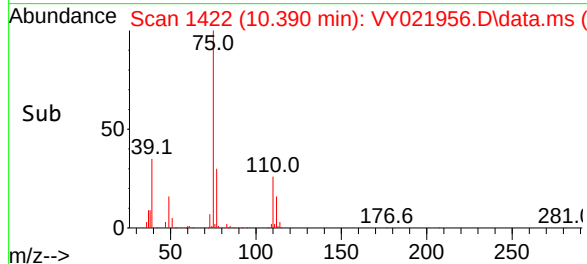
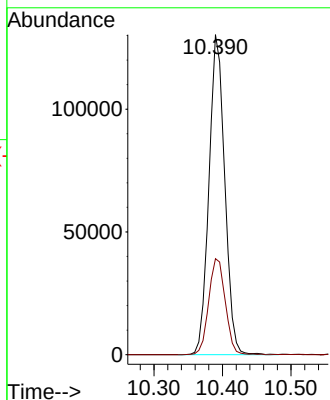
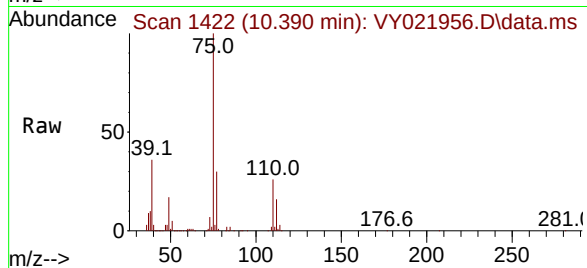
#53
t-1,3-Dichloropropene
Concen: 50.698 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 208479
Ion Ratio Lower Upper
75 100
77 30.0 24.0 36.0

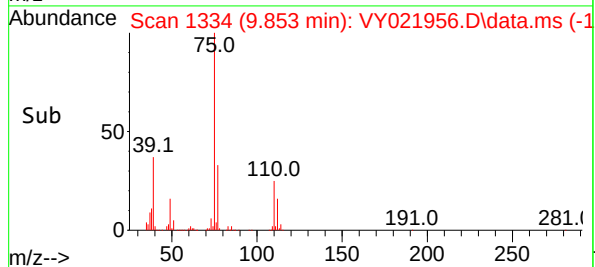
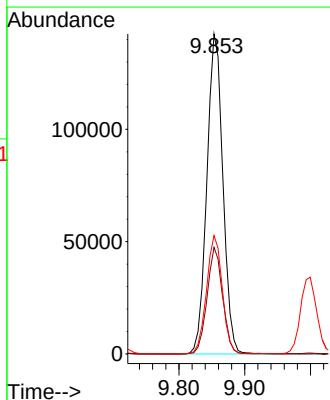
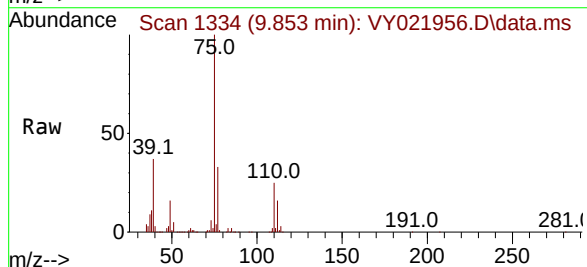
Manual Integrations
APPROVED

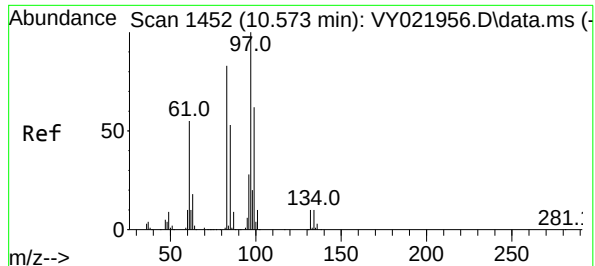
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 49.432 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 241637
Ion Ratio Lower Upper
75 100
77 33.3 26.6 40.0
39 37.0 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 49.965 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 128082

Ion Ratio Lower Upper

97 100

83 83.4 66.7 100.1

85 53.3 42.6 64.0

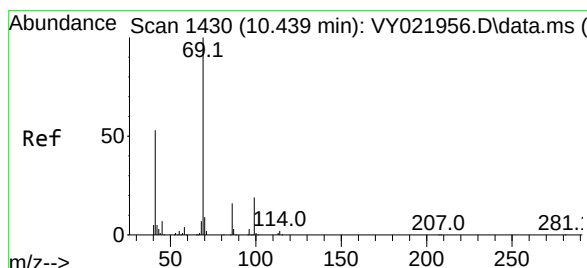
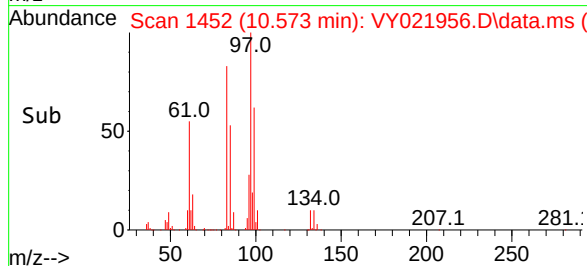
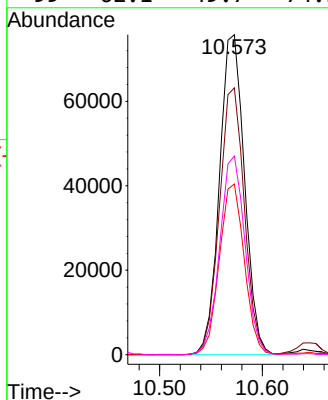
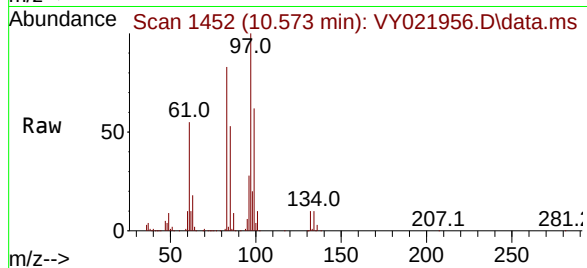
99 62.1 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#56

Ethyl methacrylate

Concen: 53.893 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

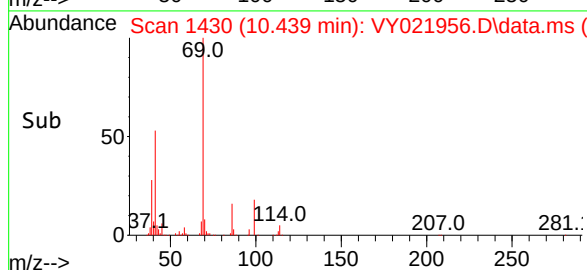
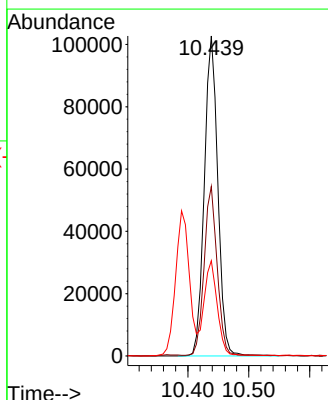
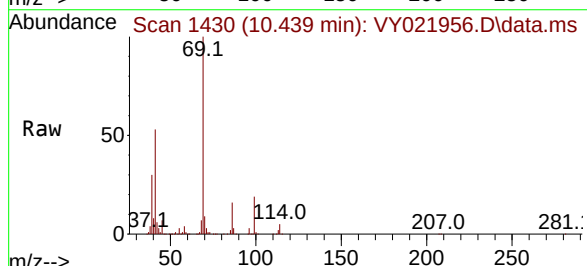
Tgt Ion: 69 Resp: 157986

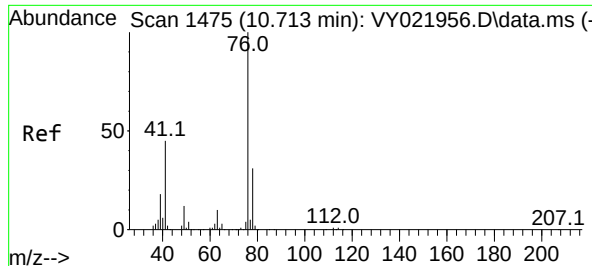
Ion Ratio Lower Upper

69 100

41 50.9 40.7 61.1

39 29.1 23.3 34.9





#57

1,3-Dichloropropane

Concen: 49.688 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 204190

Ion Ratio Lower Upper

76 100

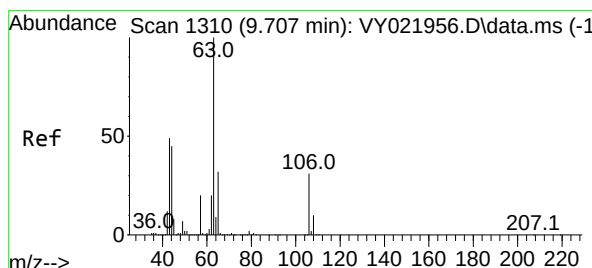
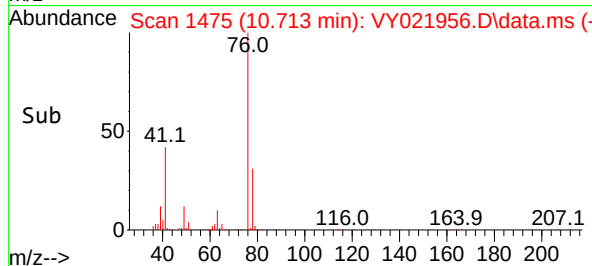
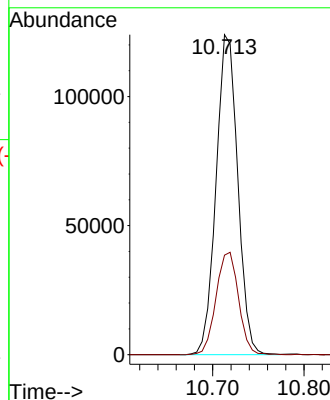
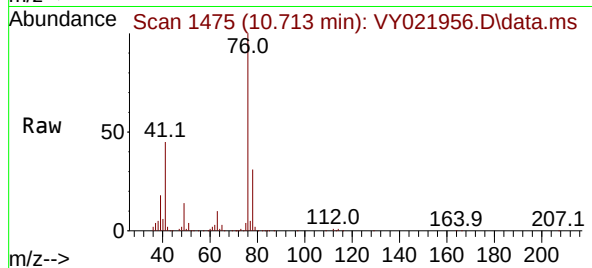
78 33.2 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#58

2-Chloroethyl Vinyl ether

Concen: 279.797 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY021956.D

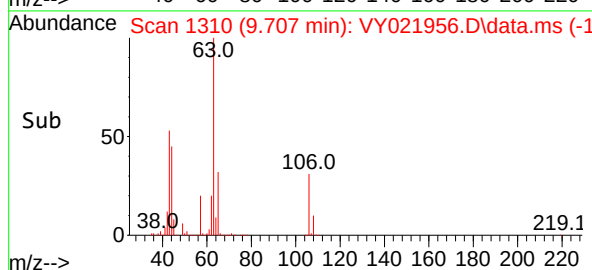
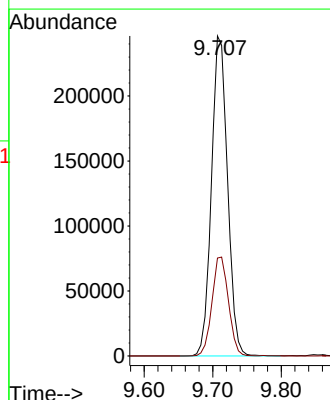
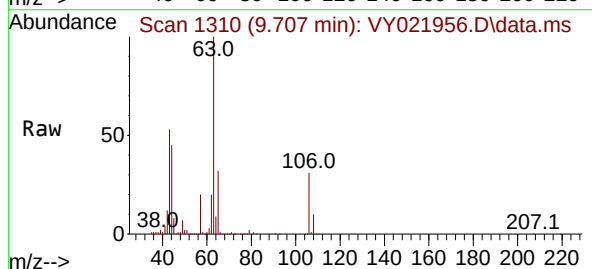
Acq: 22 Apr 2025 15:29

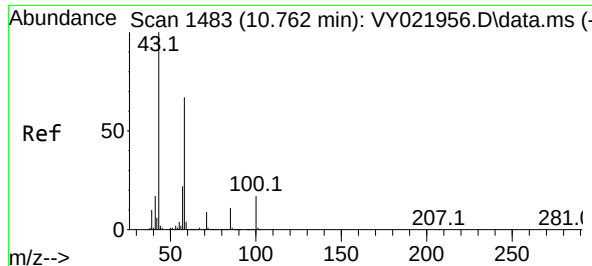
Tgt Ion: 63 Resp: 401030

Ion Ratio Lower Upper

63 100

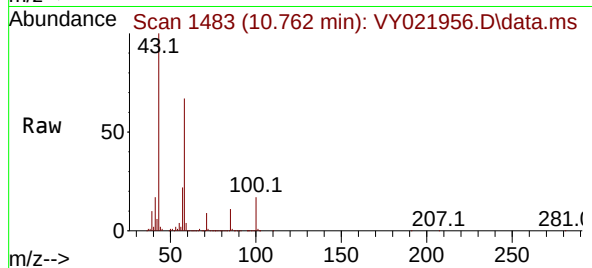
106 31.6 25.3 37.9





#59
2-Hexanone
Concen: 271.141 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

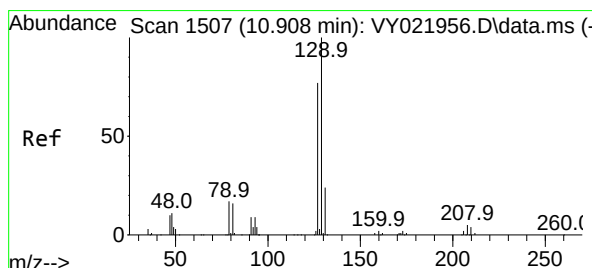
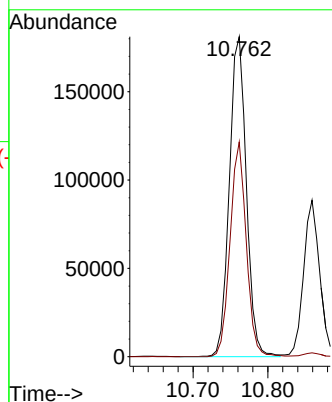
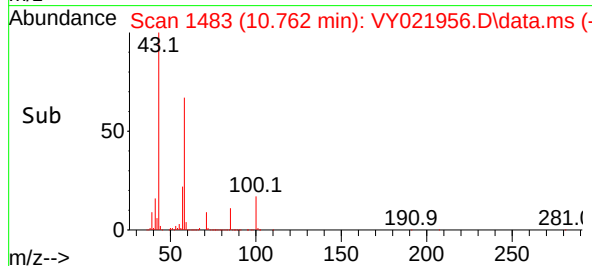
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 28675
Ion Ratio Lower Upper
43 100
58 64.0 32.0 96.0

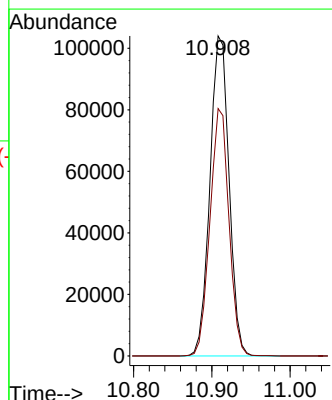
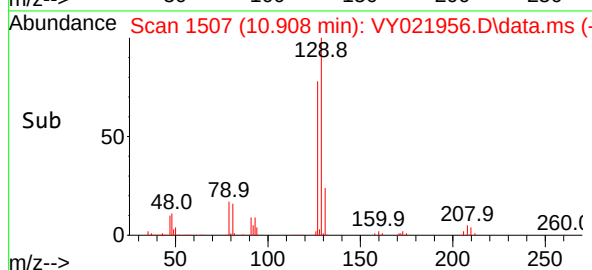
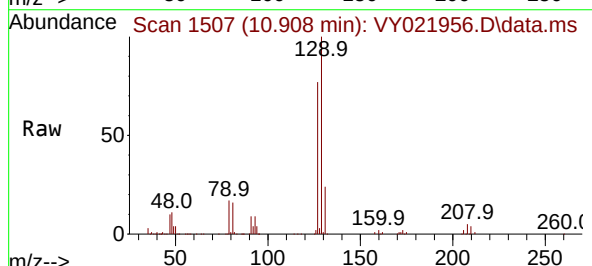
Manual Integrations
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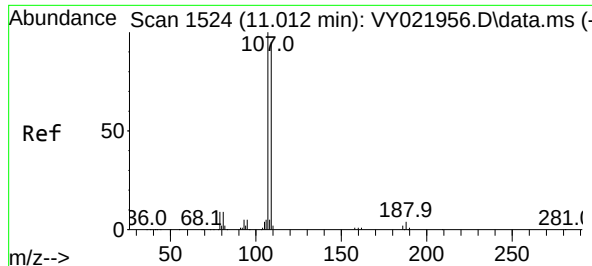
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 49.624 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:129 Resp: 176120
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 49.835 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:107 Resp: 120604

Ion Ratio Lower Upper

107 100

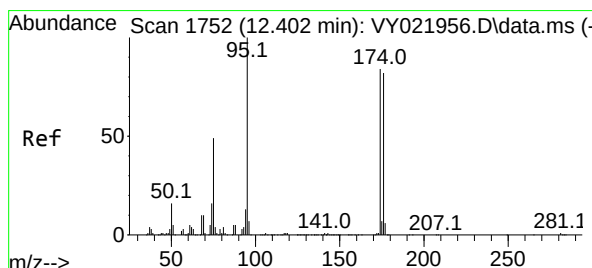
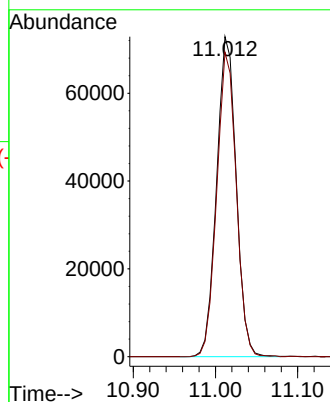
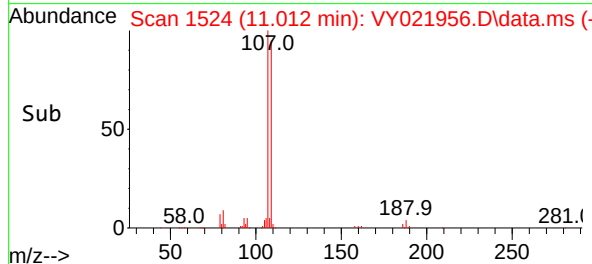
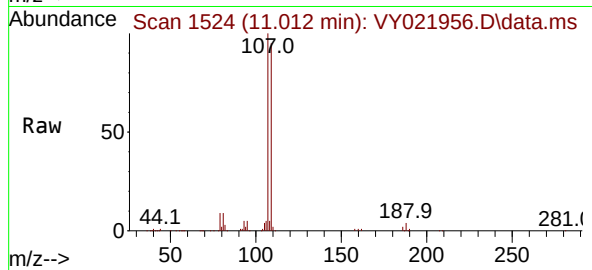
109 94.8 75.8 113.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#62

4-Bromofluorobenzene

Concen: 50.820 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

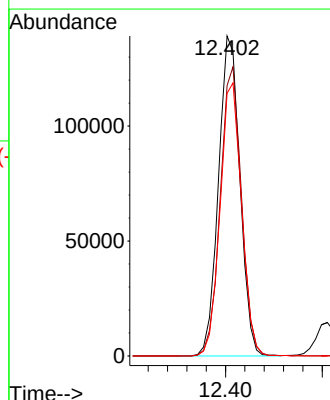
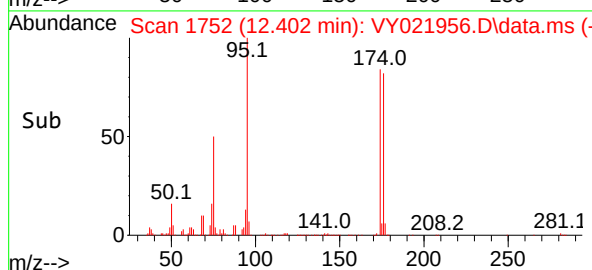
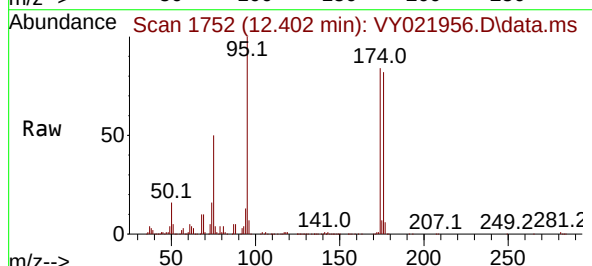
Tgt Ion: 95 Resp: 212936

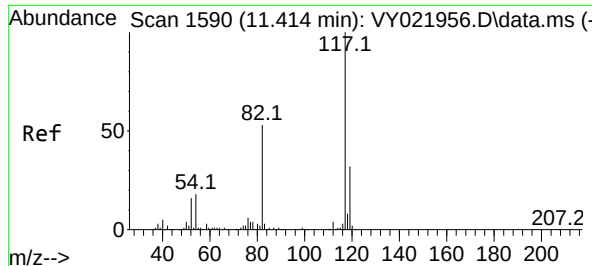
Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.0

176 85.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 458508

Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

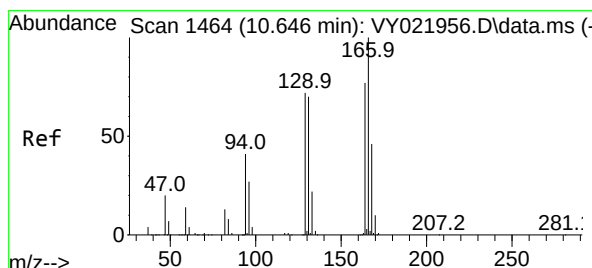
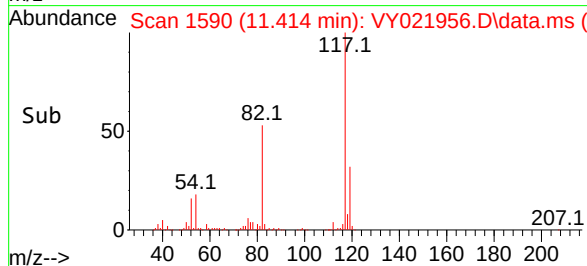
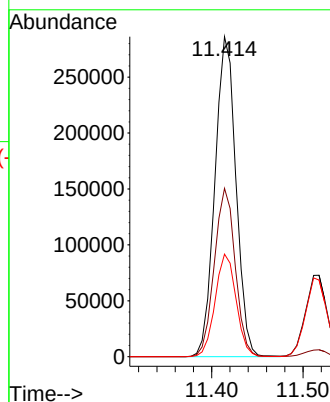
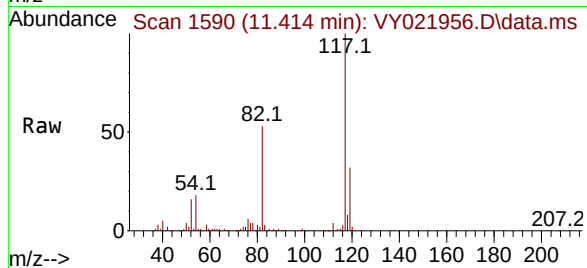
119 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#64

Tetrachloroethene

Concen: 48.263 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:164 Resp: 208756

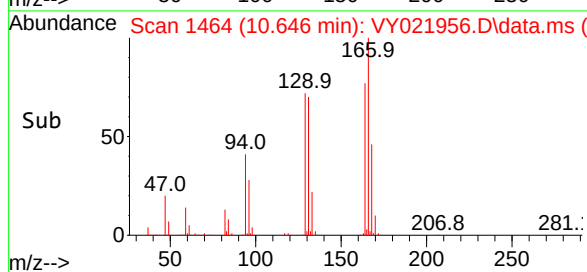
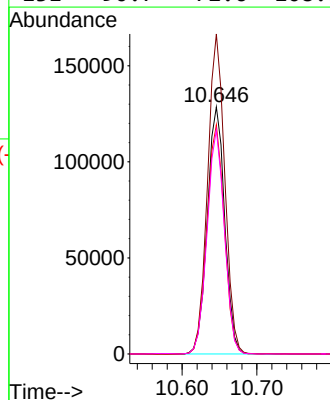
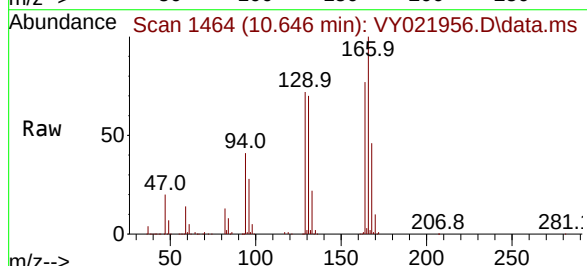
Ion Ratio Lower Upper

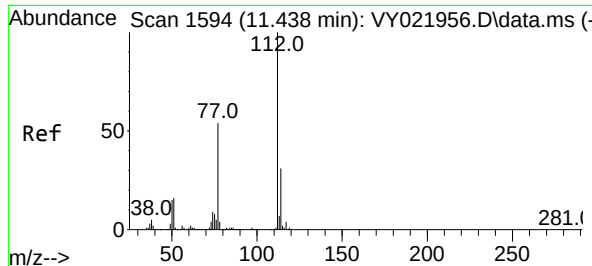
164 100

166 129.5 103.6 155.4

129 92.8 74.2 111.4

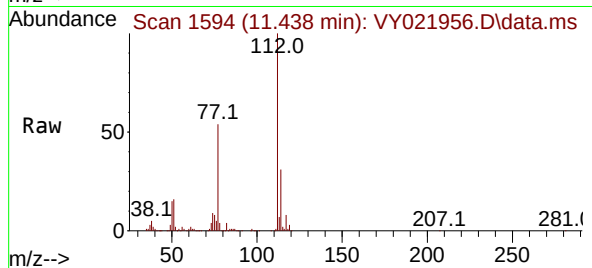
131 90.7 72.6 108.8





#65
Chlorobenzene
Concen: 48.437 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

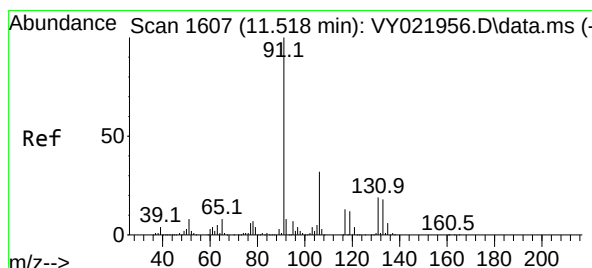
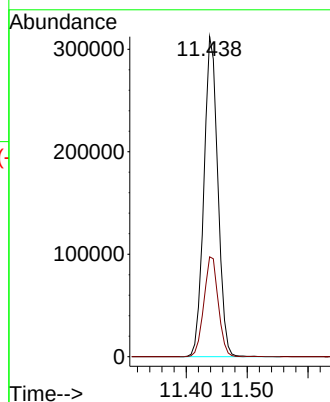
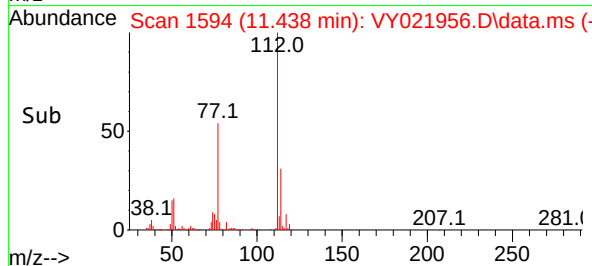
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 49664
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

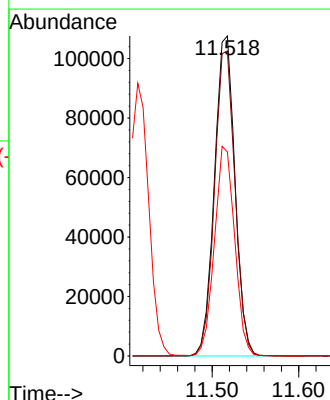
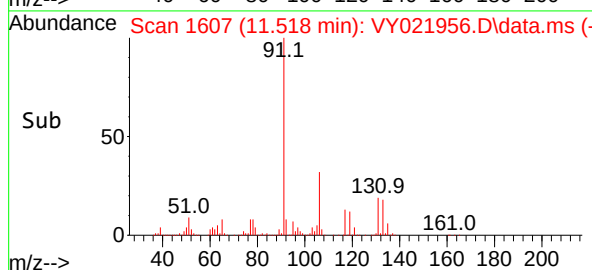
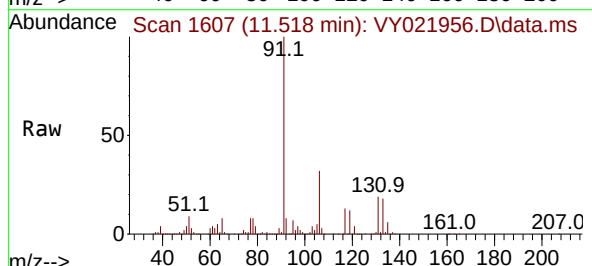
Manual Integrations
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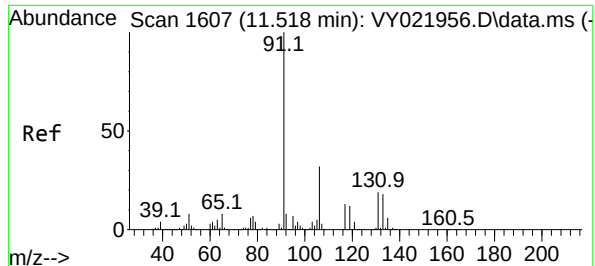
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.075 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:131 Resp: 177151
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 50.163 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 841384

Ion Ratio Lower Upper

91 100

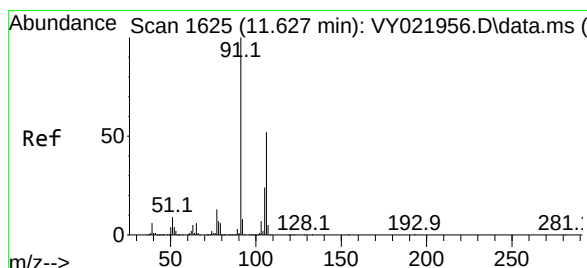
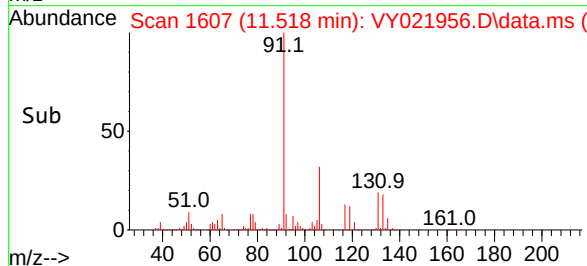
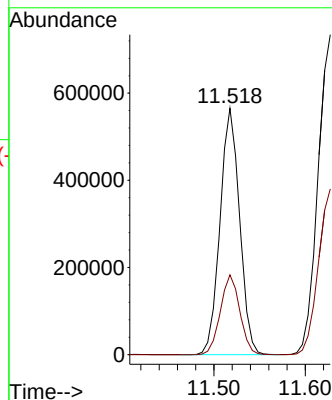
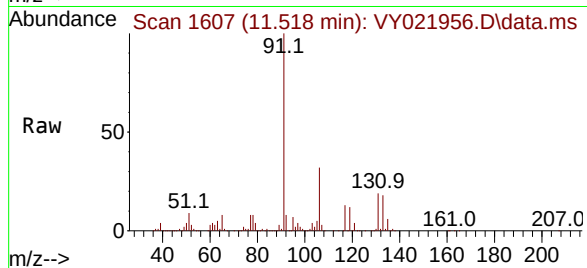
106 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 100.858 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021956.D

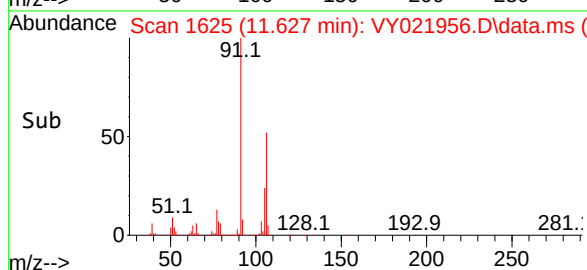
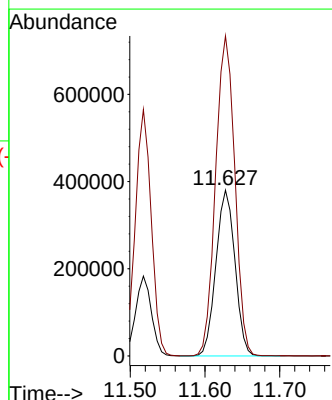
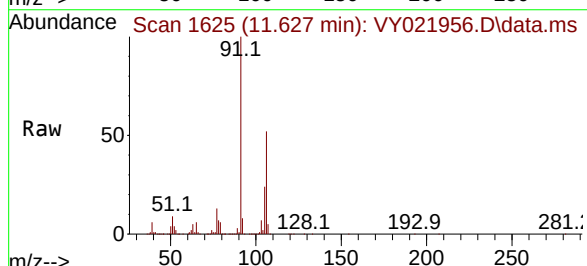
Acq: 22 Apr 2025 15:29

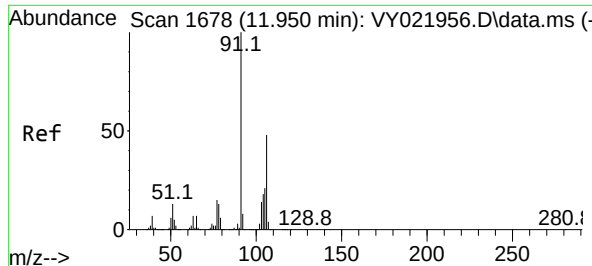
Tgt Ion:106 Resp: 673159

Ion Ratio Lower Upper

106 100

91 195.2 156.2 234.2





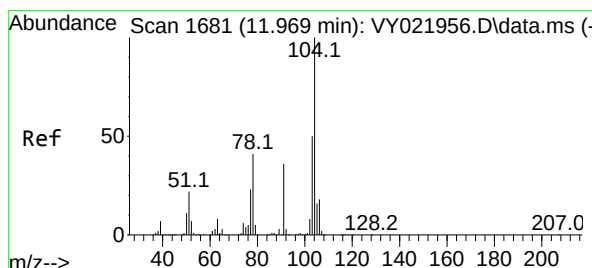
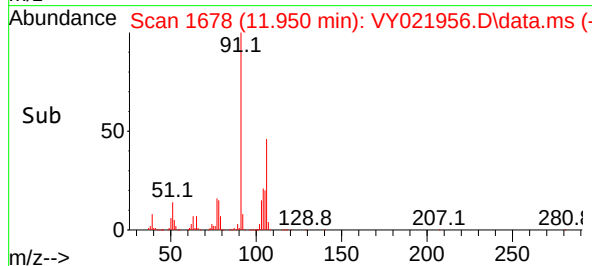
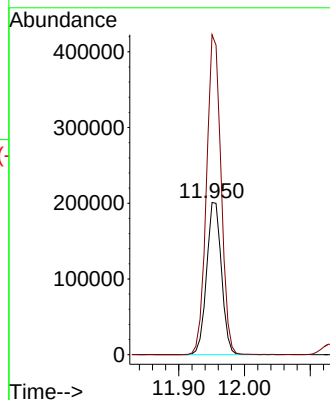
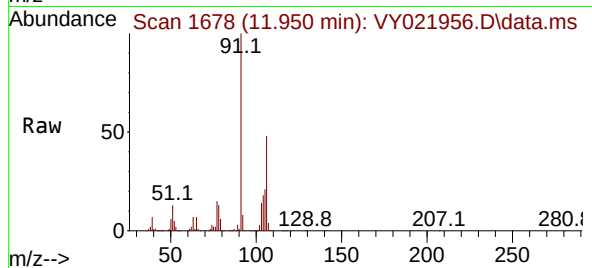
#69
o-Xylene
Concen: 51.325 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 31573
Ion Ratio Lower Upper
106 100
91 205.9 103.0 308.9

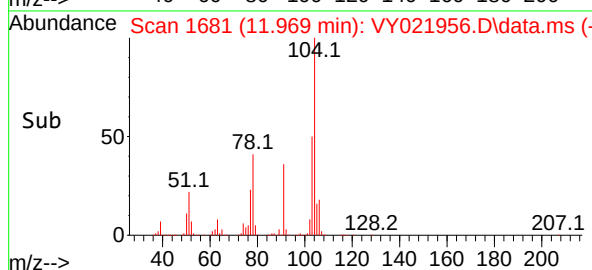
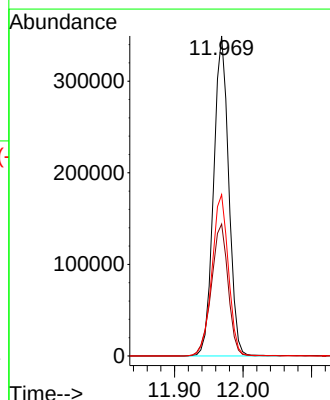
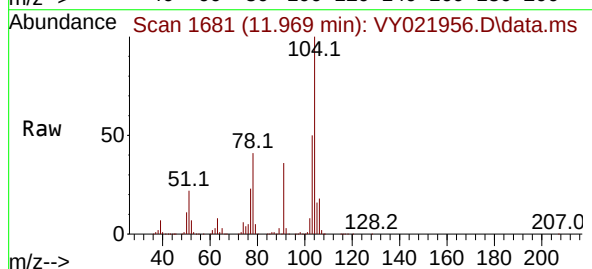
Manual Integrations
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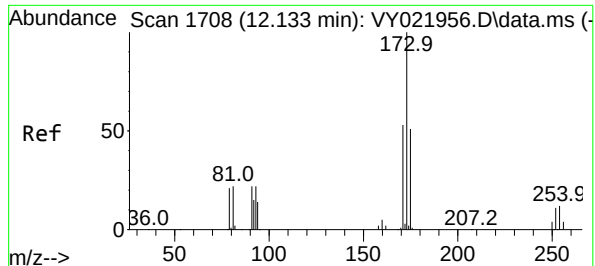
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 51.890 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:104 Resp: 535957
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 54.8 43.8 65.8





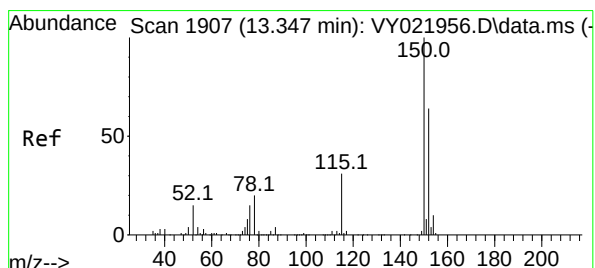
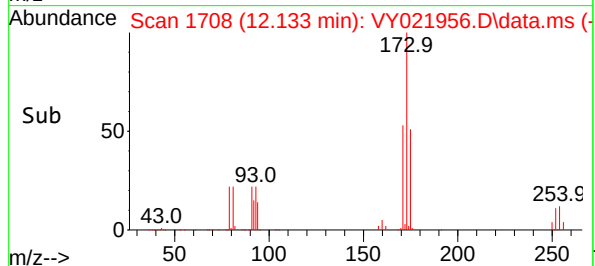
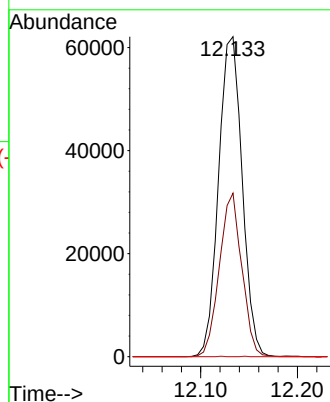
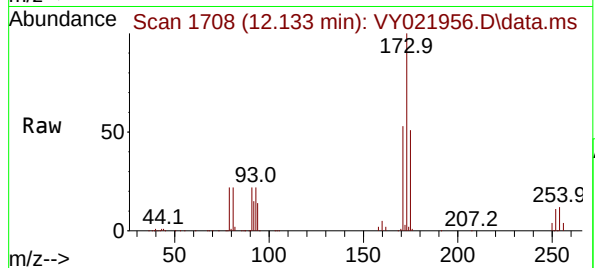
#71
Bromoform
Concen: 50.110 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 105160
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.0 0.0

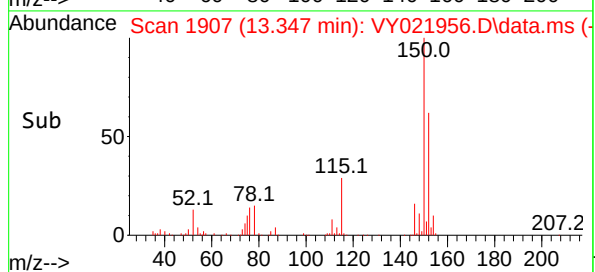
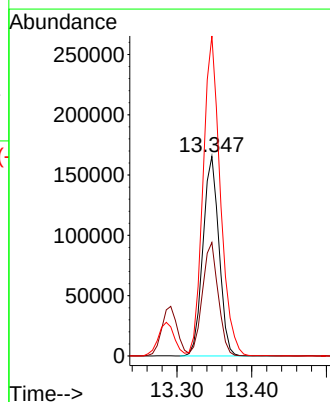
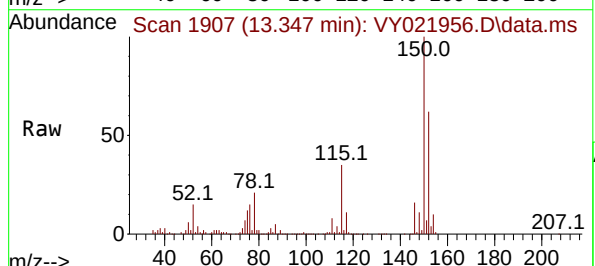
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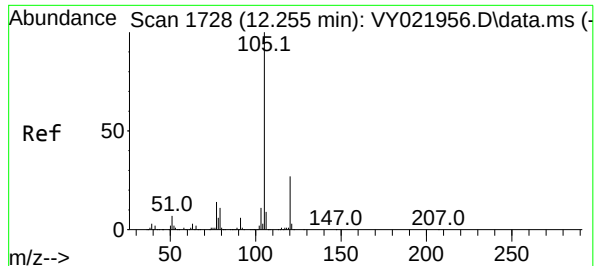
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

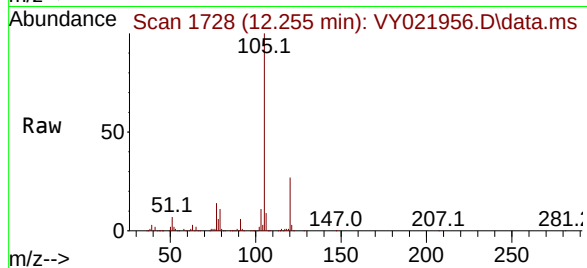
Tgt Ion:152 Resp: 245926
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 172.8 0.0 345.6





#73
Isopropylbenzene
Concen: 49.770 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

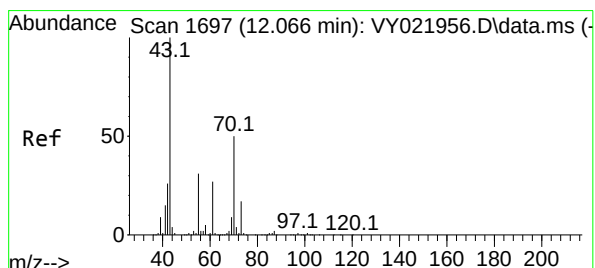
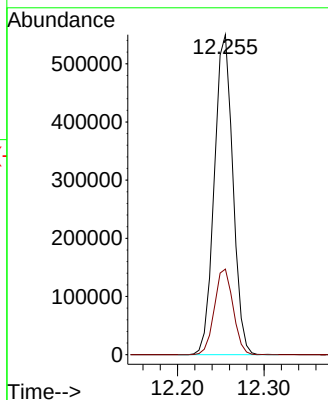
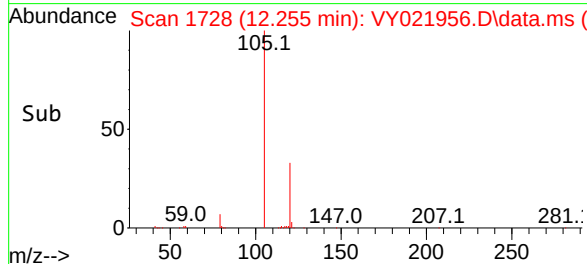
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 817740
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

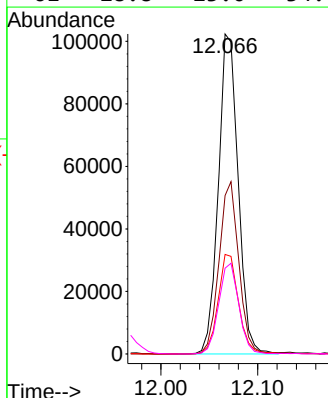
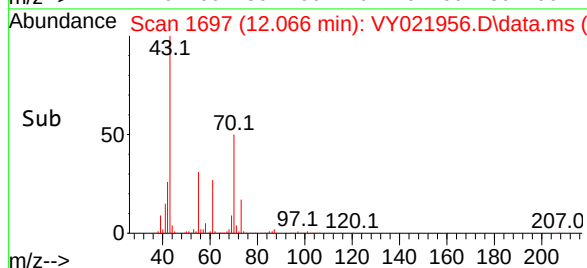
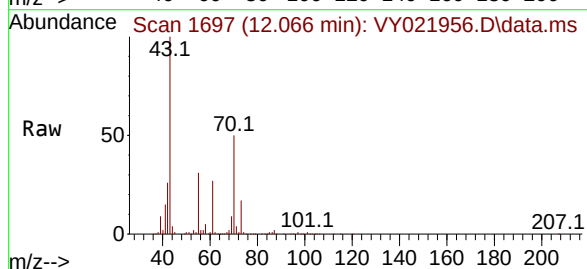
Manual Integrations
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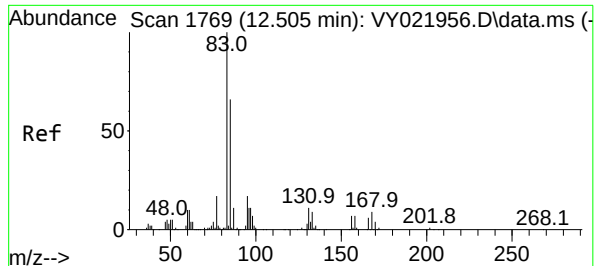
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 51.512 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 145415
Ion Ratio Lower Upper
43 100
70 54.0 43.2 64.8
55 32.1 25.7 38.5
61 28.8 23.0 34.6





#75

1,1,2-Tetrachloroethane

Concen: 48.682 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 134850

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

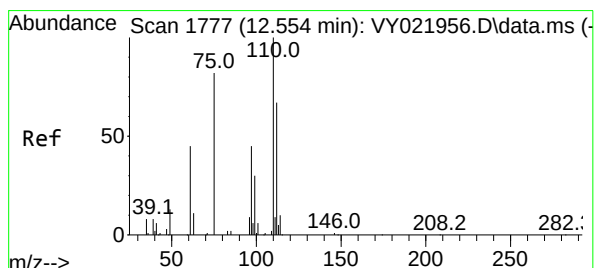
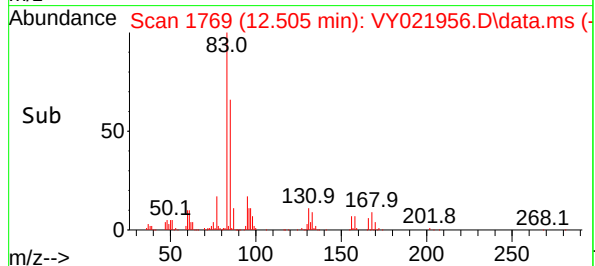
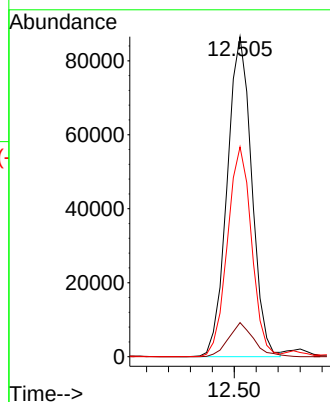
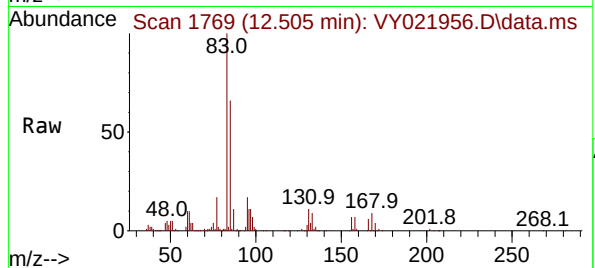
85 64.5 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#76

1,2,3-Trichloropropane

Concen: 45.999 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY021956.D

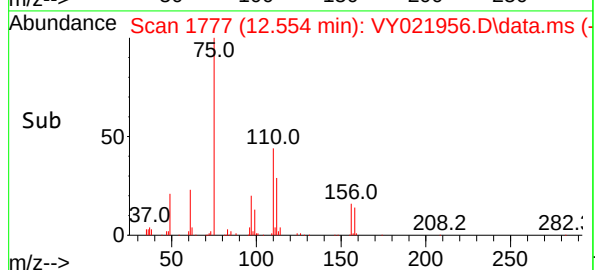
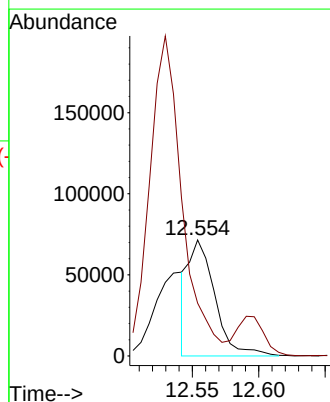
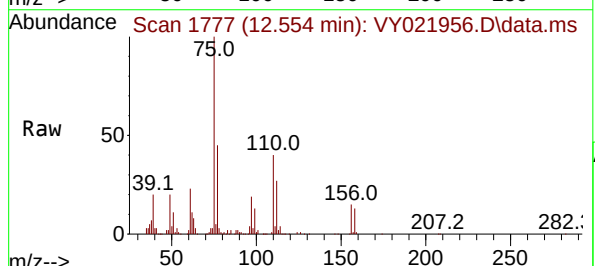
Acq: 22 Apr 2025 15:29

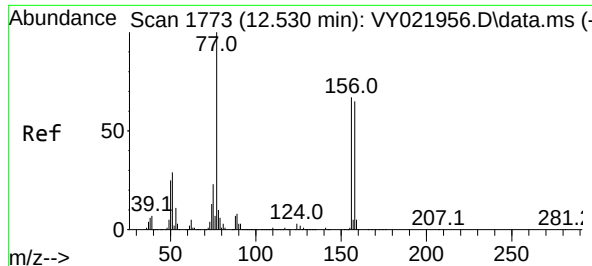
Tgt Ion: 75 Resp: 99679

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





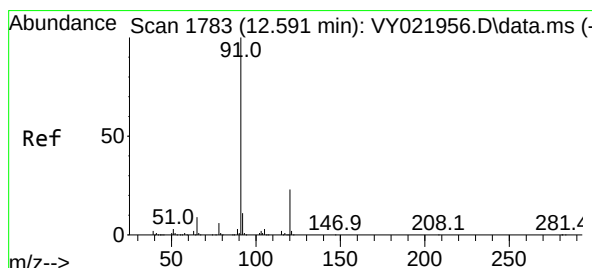
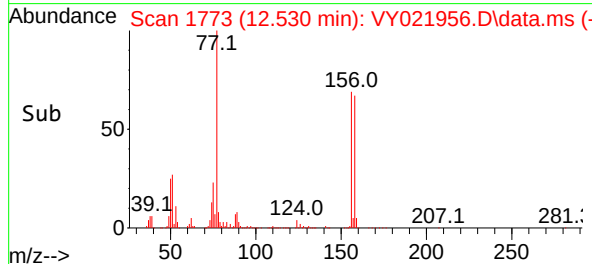
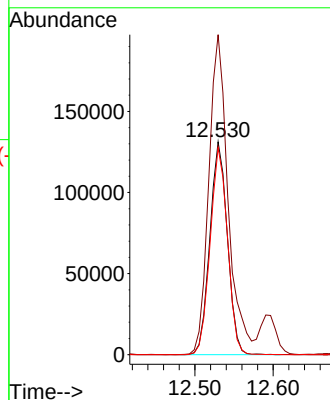
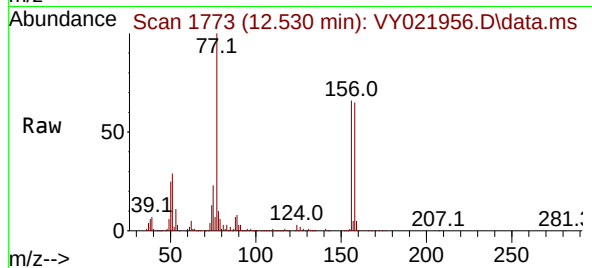
#77
Bromobenzene
Concen: 49.021 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 156 Resp: 20352
Ion Ratio Lower Upper
156 100
77 165.4 82.7 248.1
158 96.3 48.1 144.4

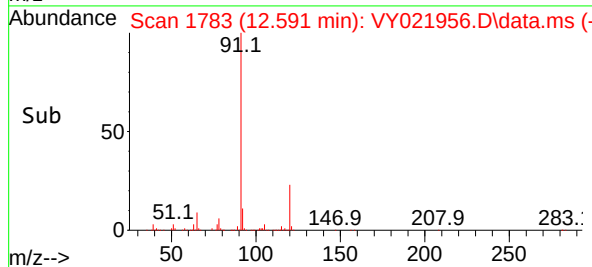
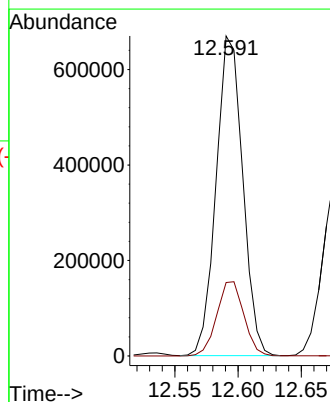
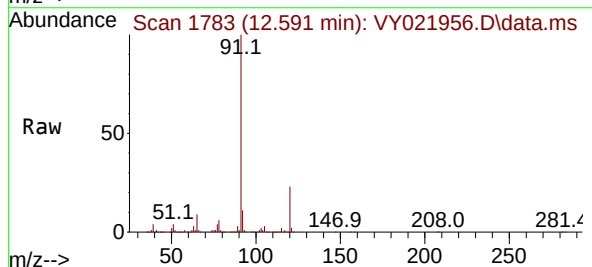
Manual Integrations
APPROVED

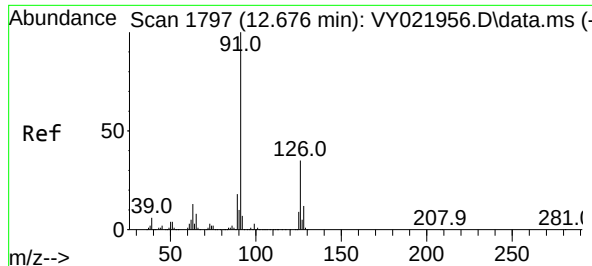
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 49.981 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 977958
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5





#79

2-Chlorotoluene

Concen: 49.283 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 56080

Ion Ratio Lower Upper

91 100

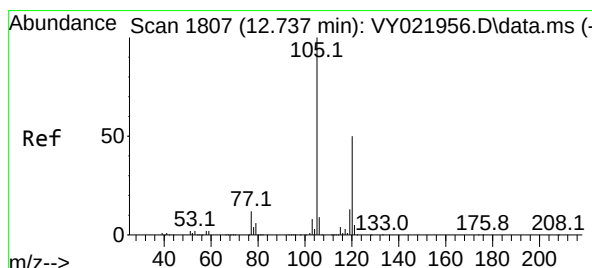
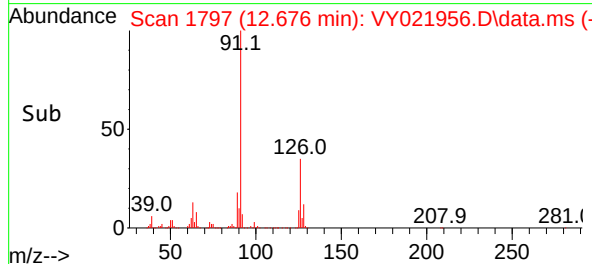
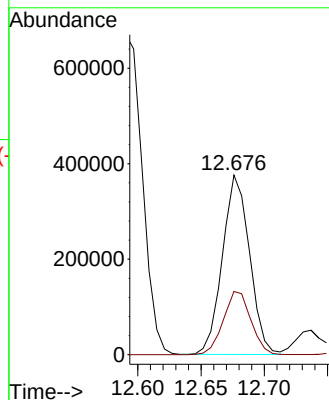
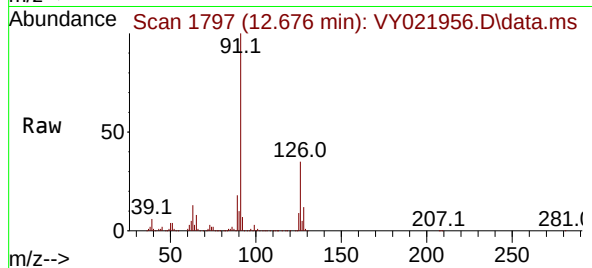
126 35.9 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.863 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021956.D

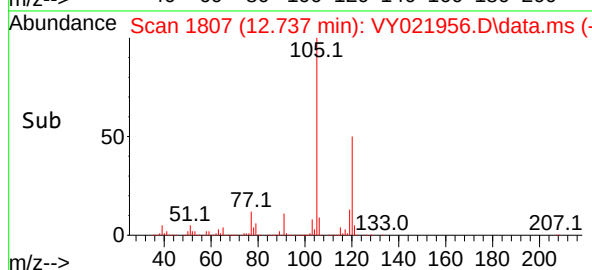
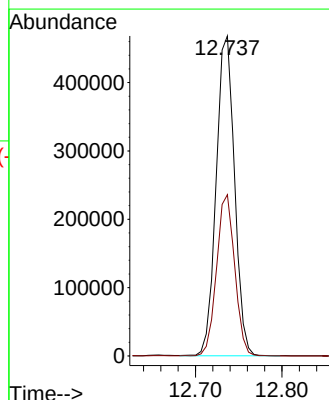
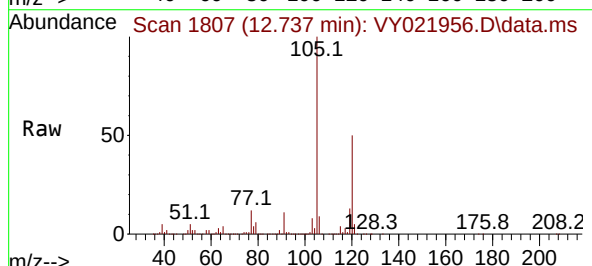
Acq: 22 Apr 2025 15:29

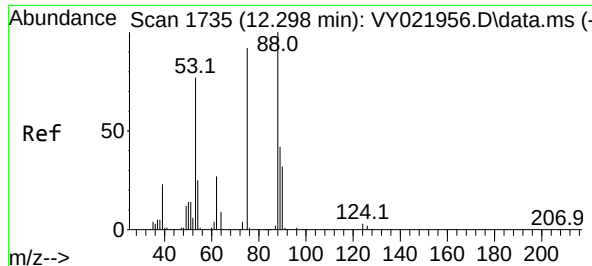
Tgt Ion:105 Resp: 688578

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





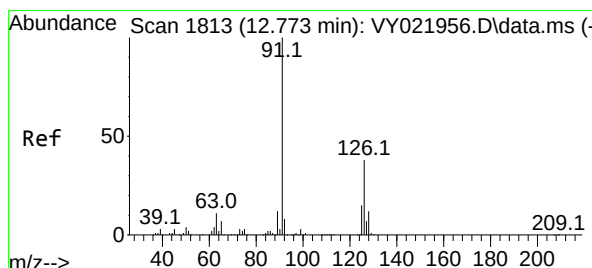
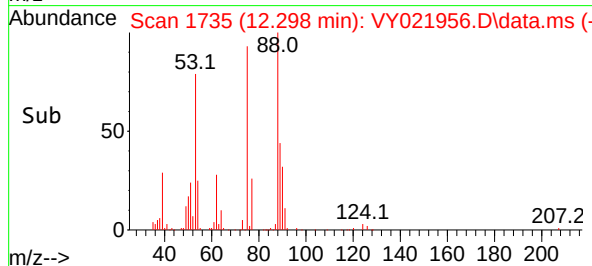
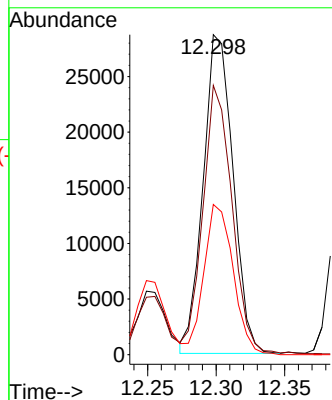
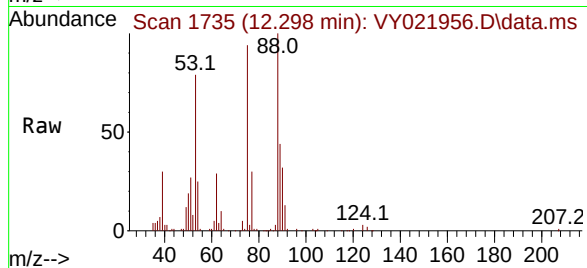
#81
trans-1,4-Dichloro-2-butene
Concen: 49.698 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 43472
Ion Ratio Lower Upper
75 100
53 82.5 66.0 99.0
89 46.5 37.2 55.8

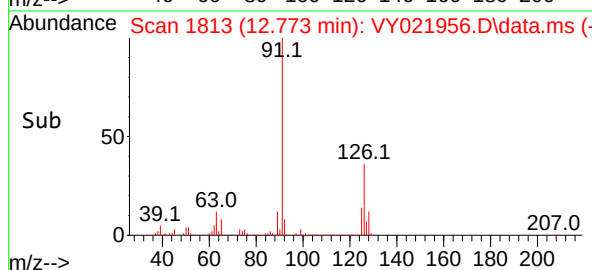
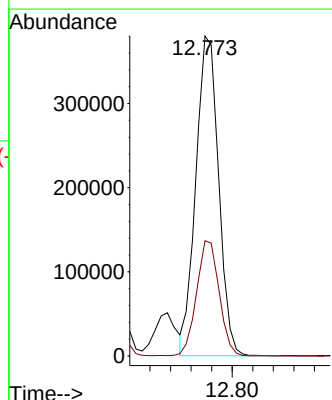
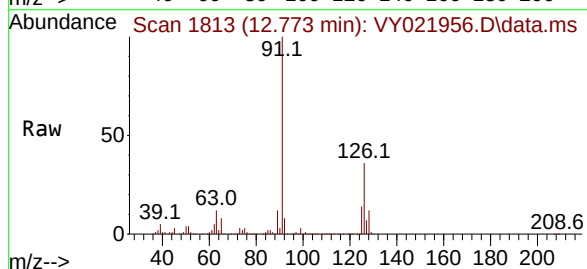
Manual Integrations
APPROVED

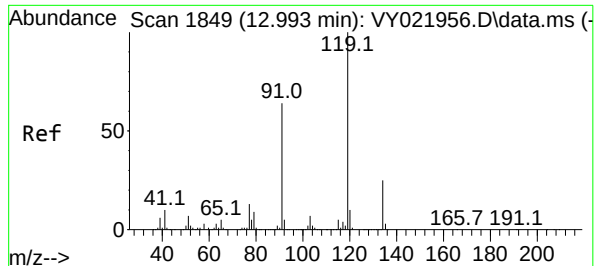
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 49.478 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 585277
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8





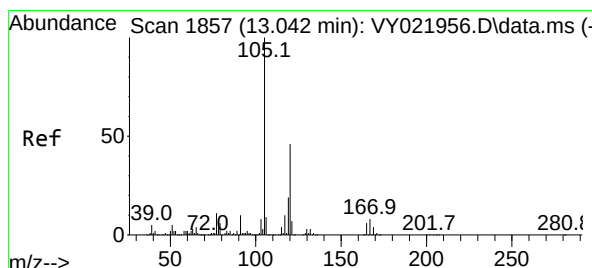
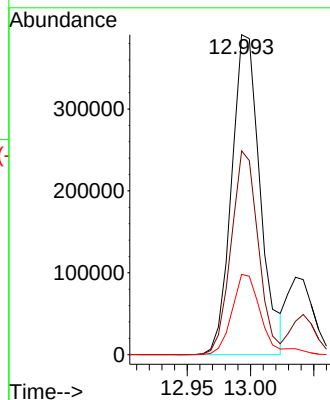
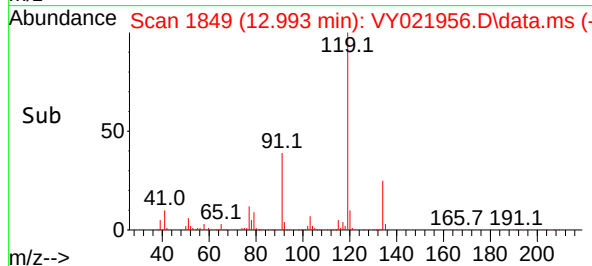
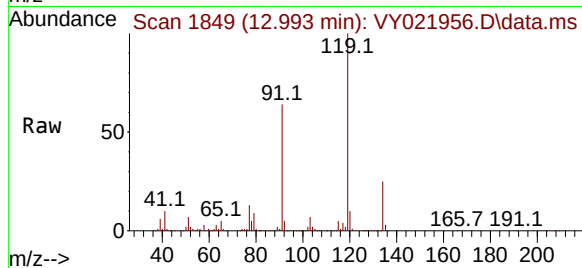
#83
tert-Butylbenzene
Concen: 50.513 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 61329
Ion Ratio Lower Upper
119 100
91 60.6 30.3 90.9
134 25.8 12.9 38.7

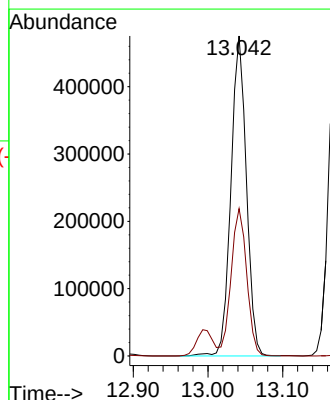
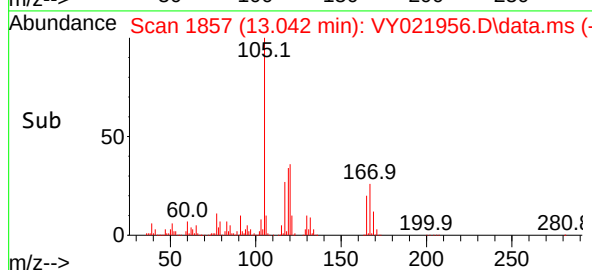
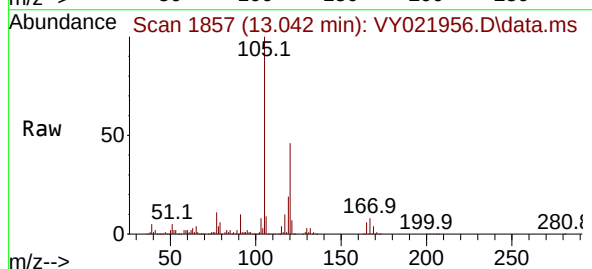
Manual Integrations
APPROVED

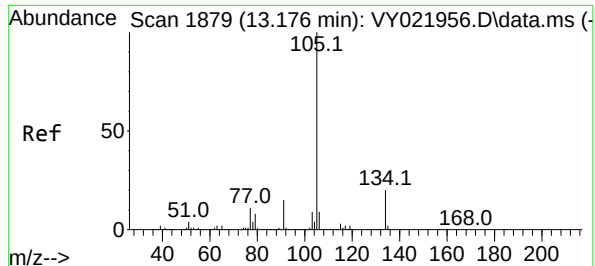
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84
1,2,4-Trimethylbenzene
Concen: 50.560 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 684634
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0





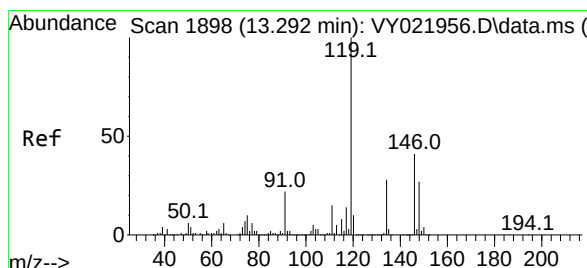
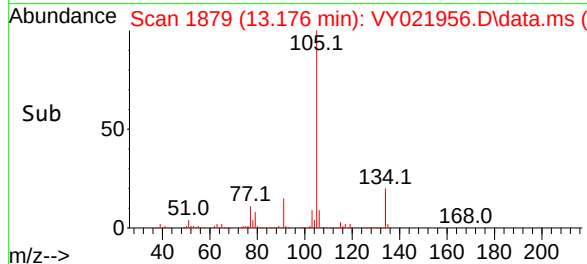
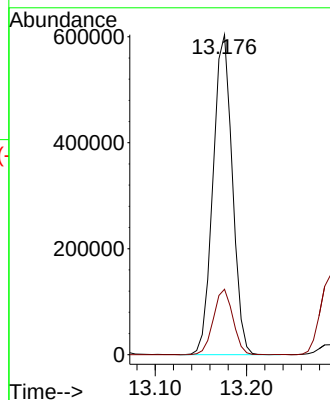
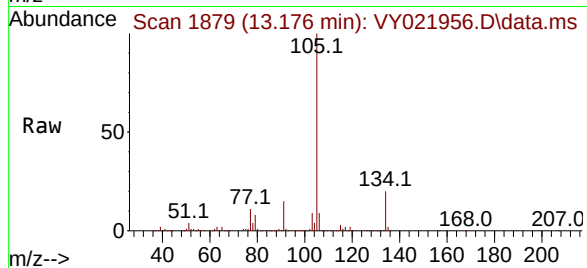
#85
sec-Butylbenzene
Concen: 49.857 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 885790
Ion Ratio Lower Upper
105 100
134 20.6 10.3 30.9

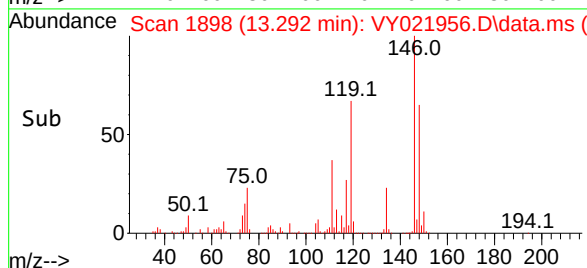
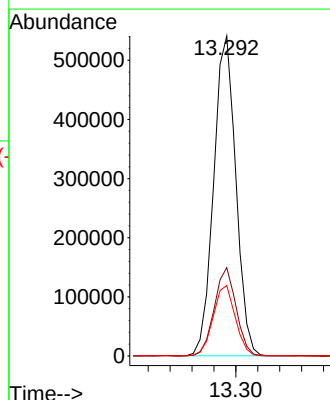
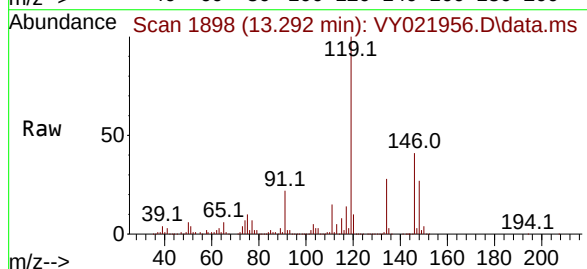
Manual Integrations
APPROVED

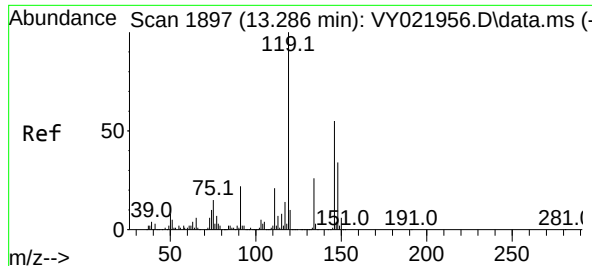
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 50.431 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:119 Resp: 760829
Ion Ratio Lower Upper
119 100
134 27.1 13.6 40.7
91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.048 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

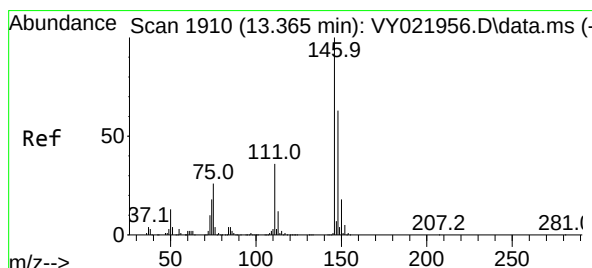
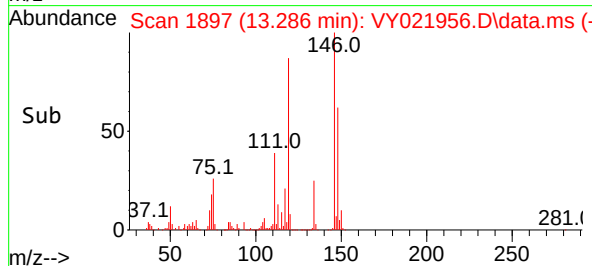
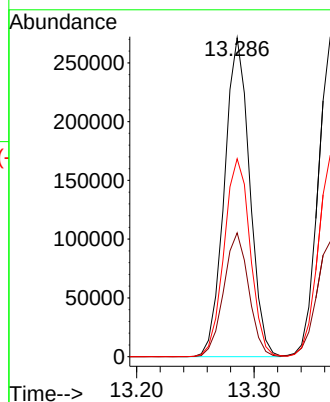
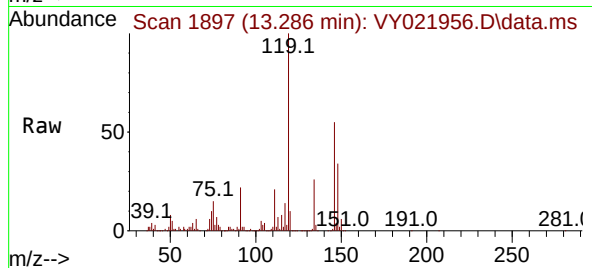
VSTDICCC050

Tgt Ion:146 Resp: 40515

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.1	32.0	96.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 47.697 ug/l

RT: 13.365 min Scan# 1910

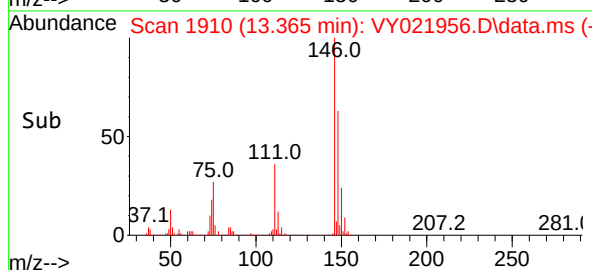
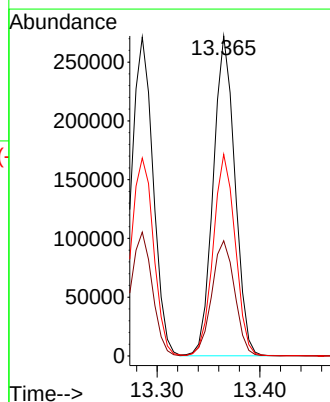
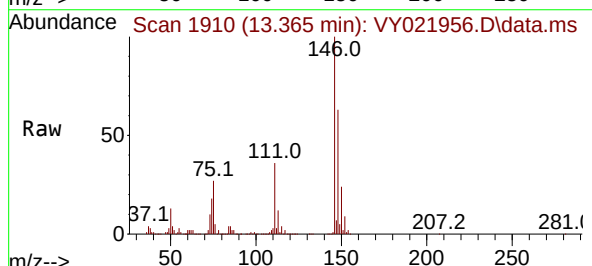
Delta R.T. 0.000 min

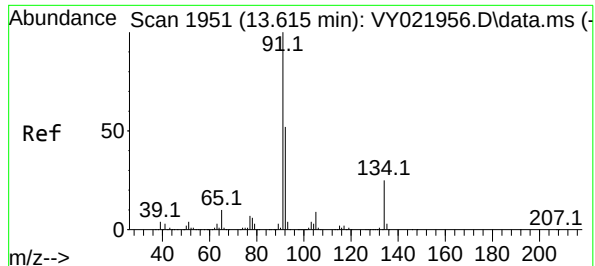
Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:146 Resp: 398336

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.0	32.0	96.0





#89

n-Butylbenzene

Concen: 50.008 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

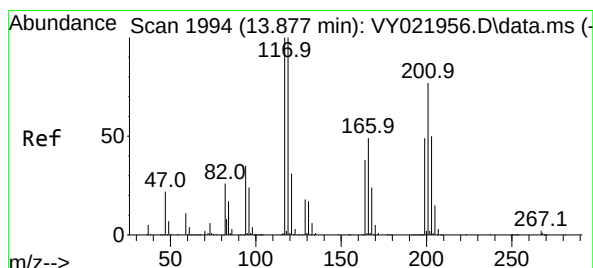
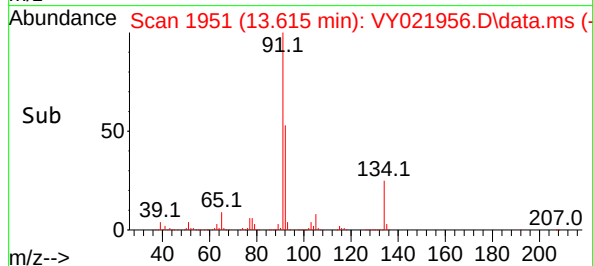
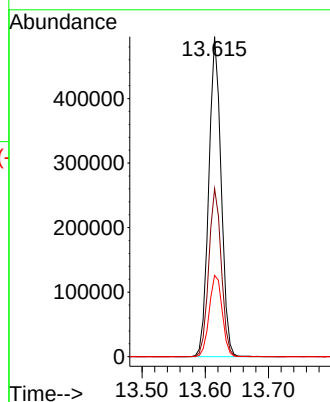
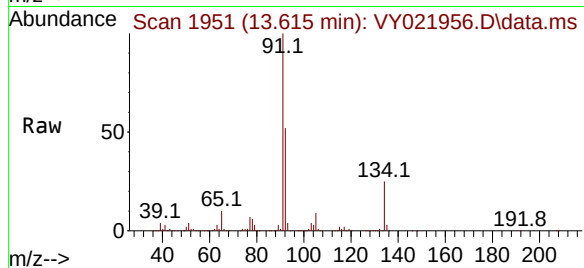
VSTDICCC050

Tgt Ion:	91	Resp:	674340
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	26.7	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 47.353 ug/l

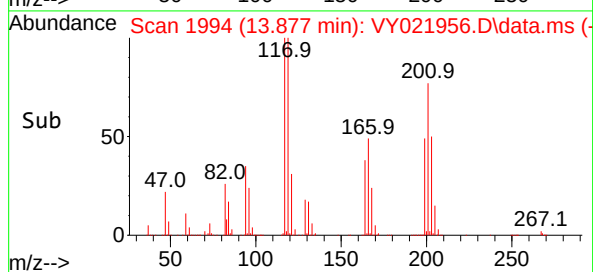
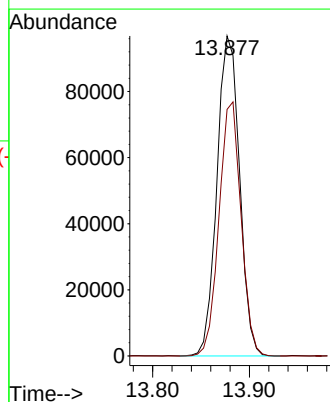
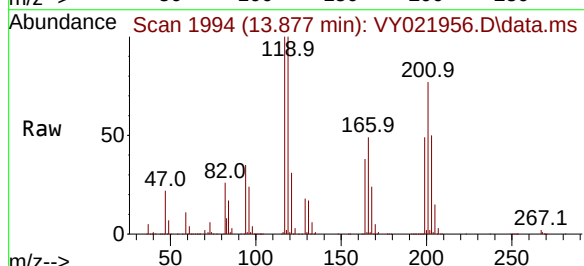
RT: 13.877 min Scan# 1994

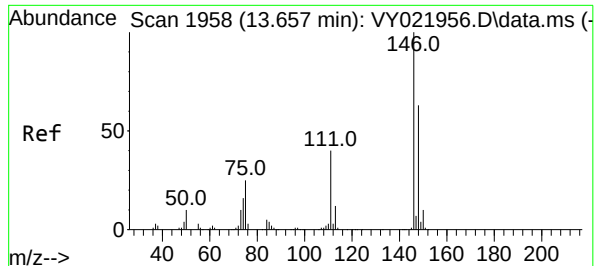
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	117	Resp:	156957
Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.7	116.1





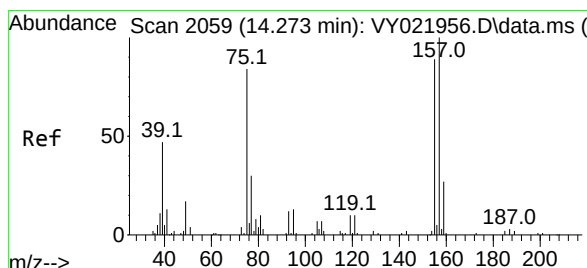
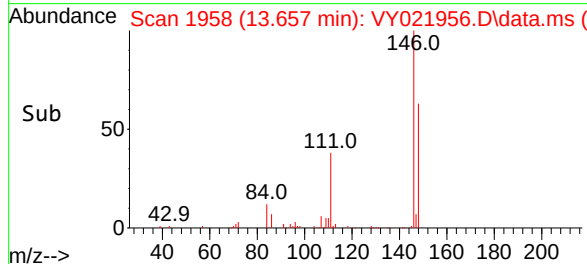
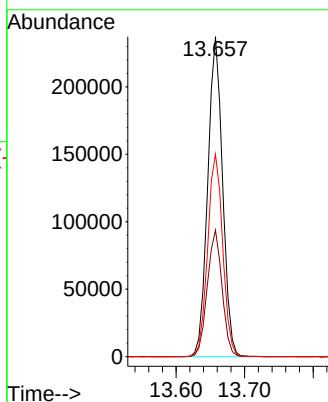
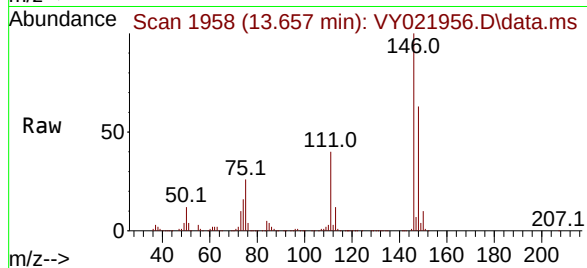
#91
1,2-Dichlorobenzene
Concen: 48.544 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 357028
Ion Ratio Lower Upper
146 100
111 39.4 19.7 59.1
148 64.2 32.1 96.3

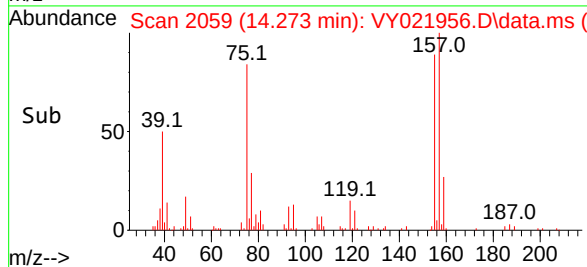
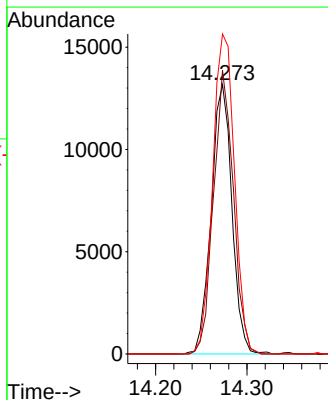
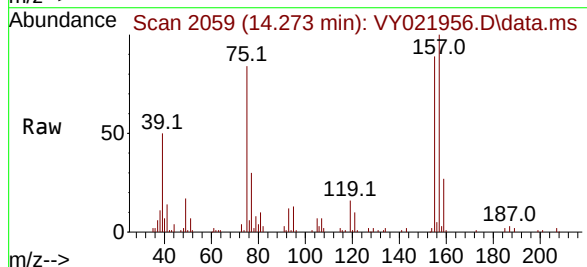
Manual Integrations
APPROVED

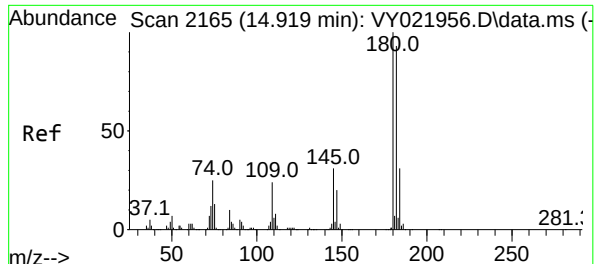
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 20698
Ion Ratio Lower Upper
75 100
155 101.5 50.7 152.3
157 125.2 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 48.561 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

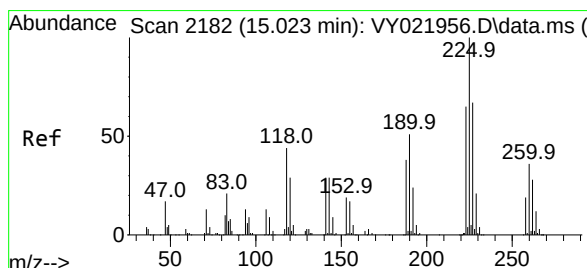
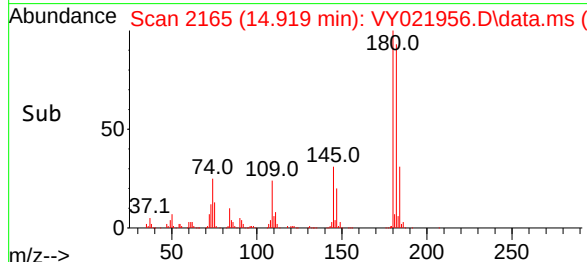
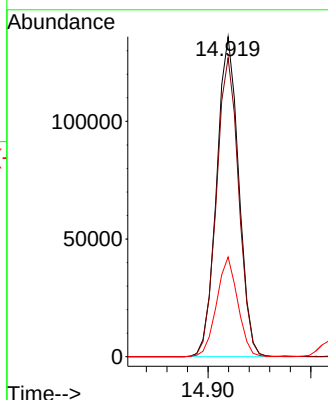
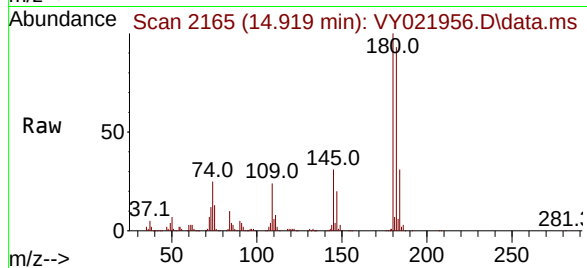
VSTDICCC050

Tgt Ion:180	Resp: 202380
Ion Ratio	Lower Upper
180 100	
182 94.3	47.1 141.4
145 30.0	15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 46.009 ug/l

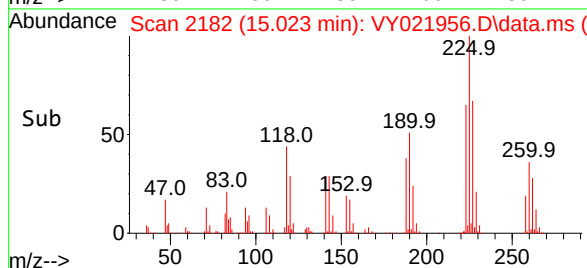
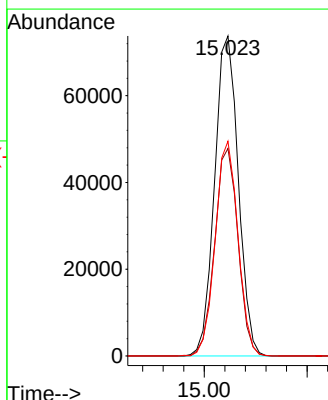
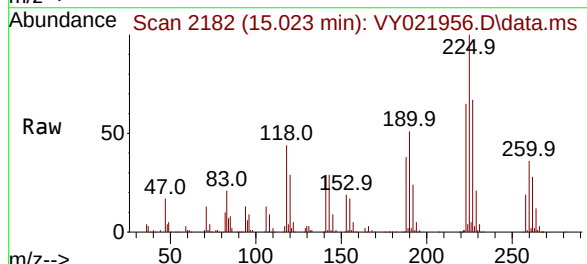
RT: 15.023 min Scan# 2182

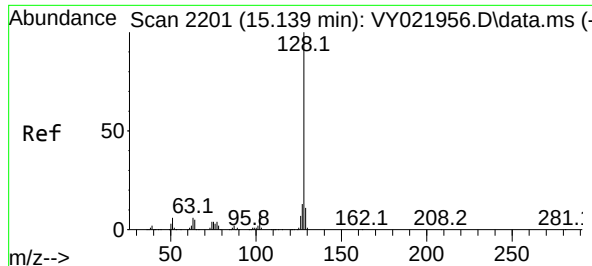
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:225	Resp: 117976
Ion Ratio	Lower Upper
225 100	
223 63.7	31.9 95.5
227 64.6	32.3 96.9





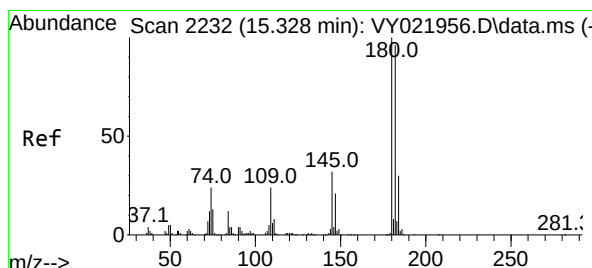
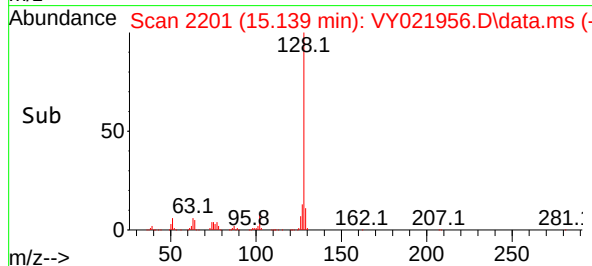
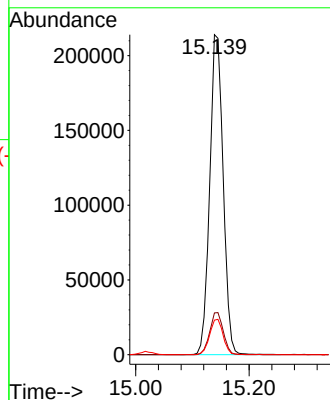
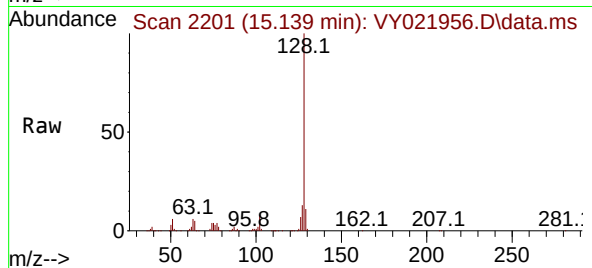
#95
Naphthalene
Concen: 51.007 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 353130
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.9 13.3

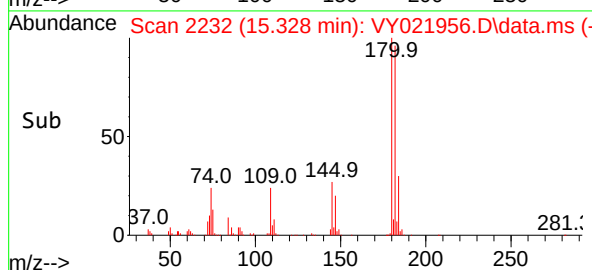
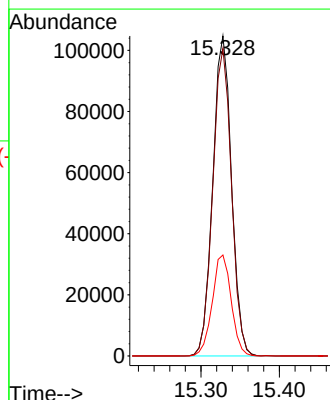
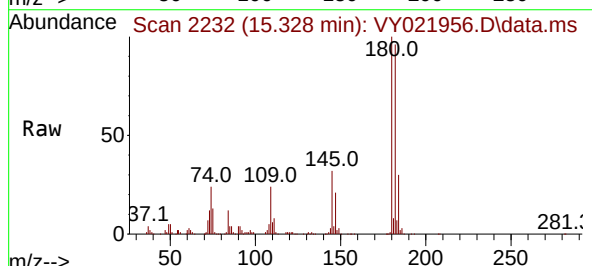
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.304 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:180 Resp: 173778
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 32.0 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 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: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 180.900%#	
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 192.860%#	
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 199.720%#	
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 201.660%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l	100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l	98
44) Trichloroethene	8.866	130	401139	100.789	ug/l	99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l	99
46) Dibromomethane	9.231	93	197509	99.293	ug/l	99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l	99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l	97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l	99
52) Toluene	10.170	92	986553	106.068	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l	99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l	100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l	99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l	99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l	99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l	98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l	99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l	99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l	100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l	98
69) o-Xylene	11.956	106	716652	111.334	ug/l	99
70) Styrene	11.969	104	1220634	112.940	ug/l	99
71) Bromoform	12.133	173	226072	102.945	ug/l #	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l	99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l	
77) Bromobenzene	12.530	156	451913	105.415	ug/l	98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l	99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l	97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l	99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l	99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l	100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l	99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l	99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l	100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l	99
95) Naphthalene	15.145	128	858079	120.033	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_Y

Client Sample Id :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

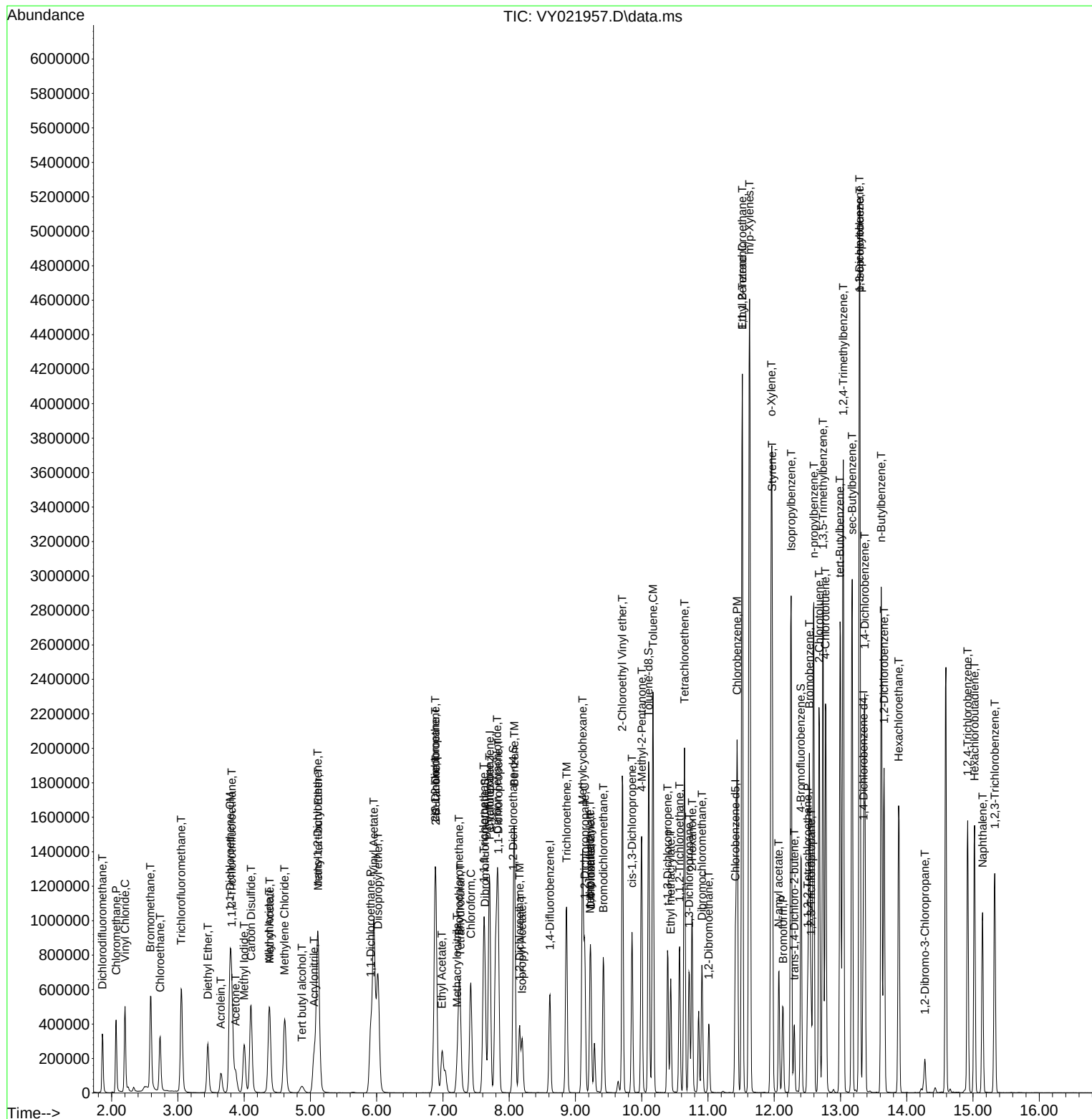
Quant Time: Apr 23 02:12:17 2025

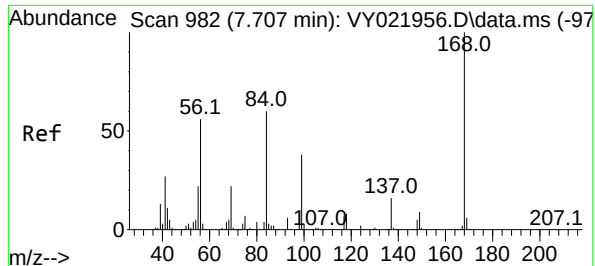
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:02:03 2025

Response via : Initial Calibration





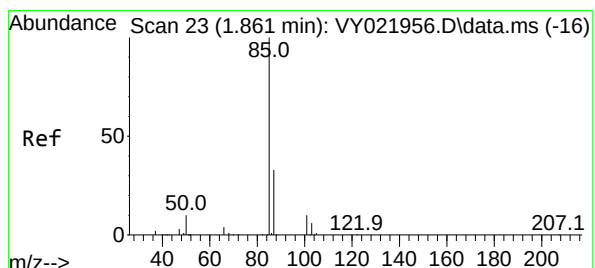
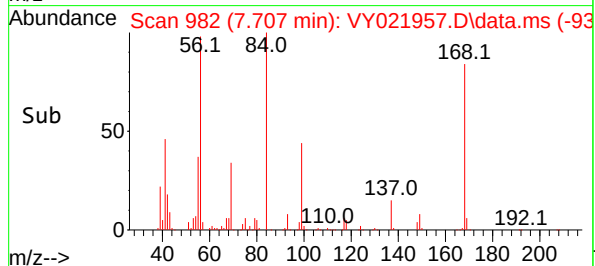
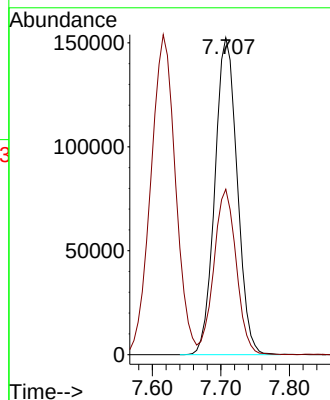
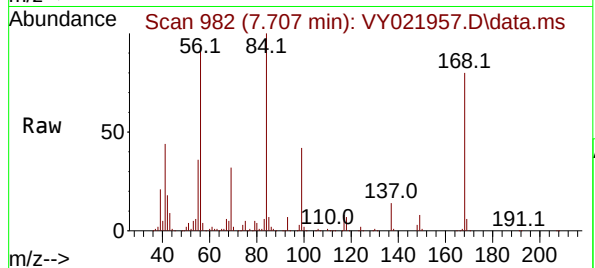
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 344392
Ion Ratio Lower Upper
168 100
99 52.1 43.1 64.7

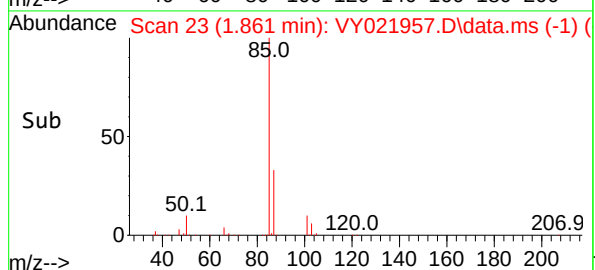
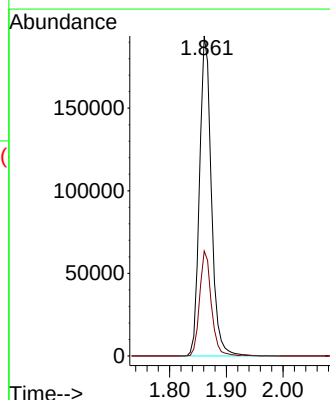
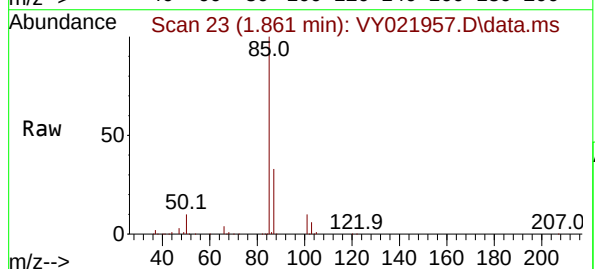
Manual Integrations
APPROVED

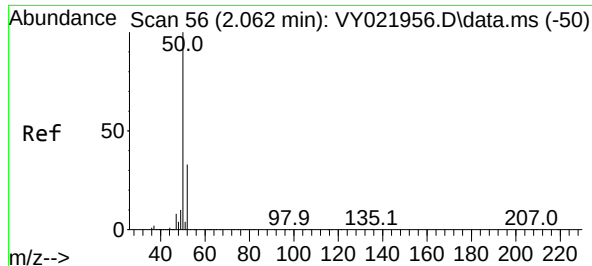
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 95.668 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 85 Resp: 280742
Ion Ratio Lower Upper
85 100
87 32.8 16.6 49.7





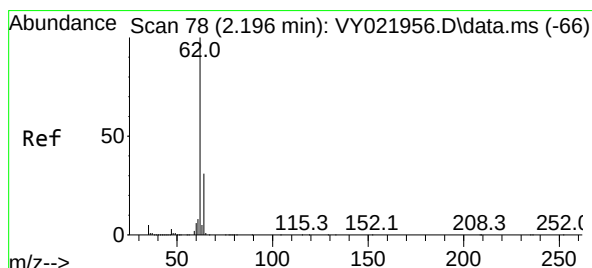
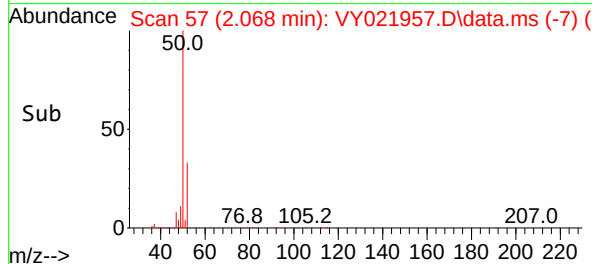
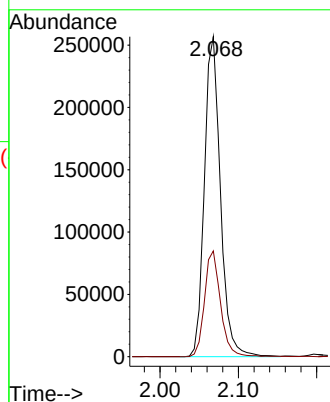
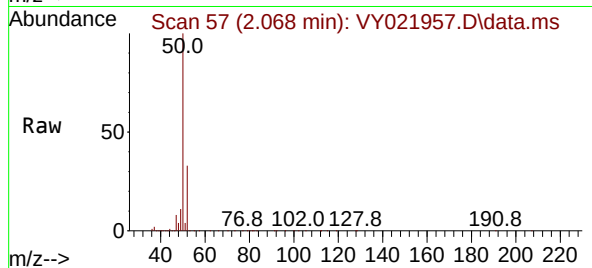
#3
Chloromethane
Concen: 87.270 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 364659
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1

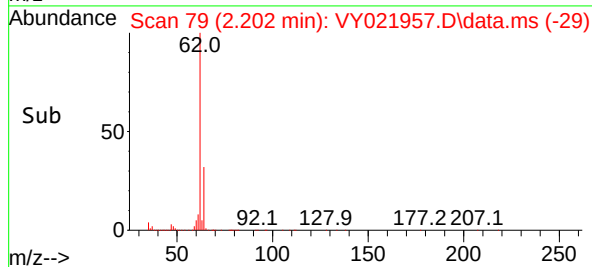
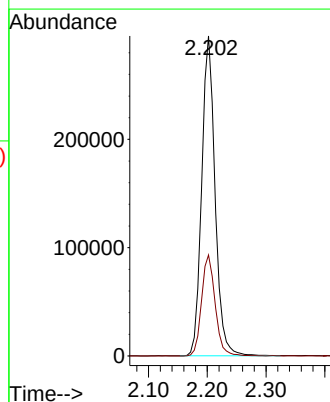
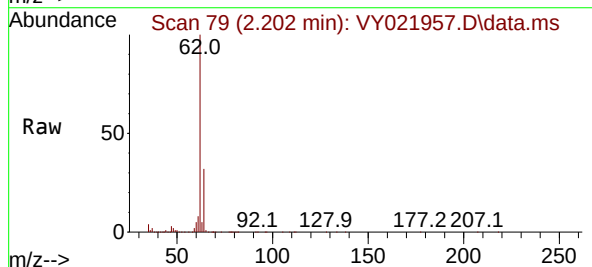
Manual Integrations
APPROVED

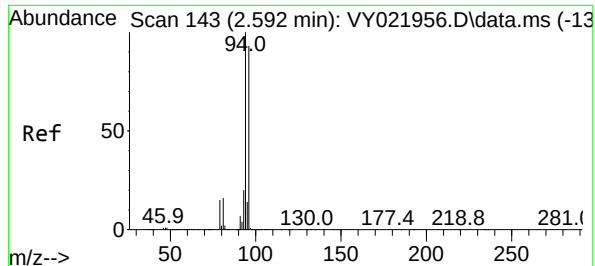
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 91.152 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 468044
Ion Ratio Lower Upper
62 100
64 31.6 25.1 37.7





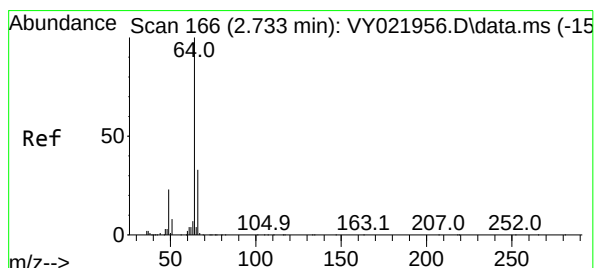
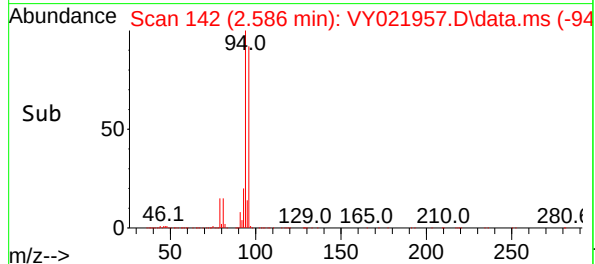
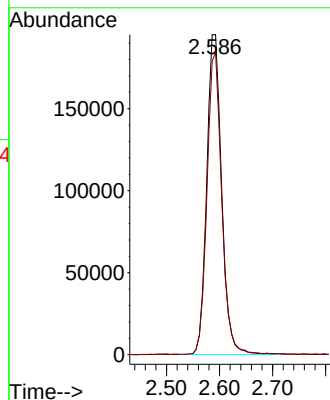
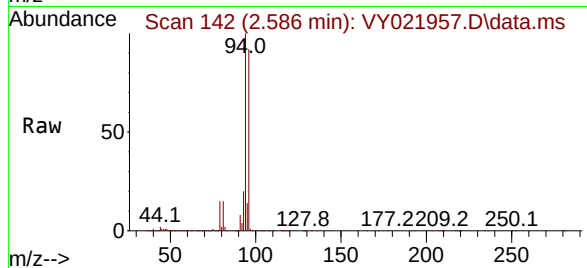
#5
Bromomethane
Concen: 86.267 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 94 Resp: 38163
Ion Ratio Lower Upper
94 100
96 91.7 74.6 111.8

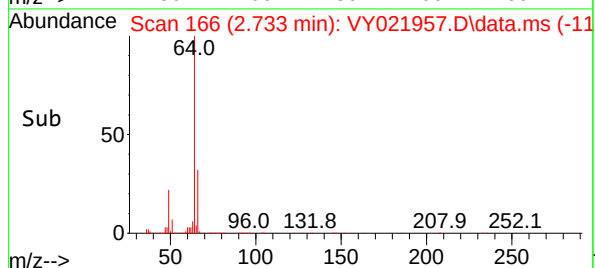
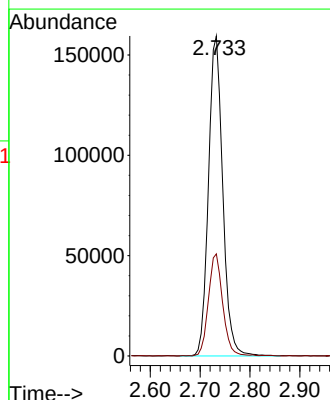
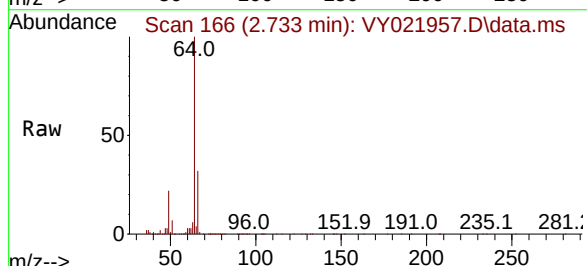
Manual Integrations
APPROVED

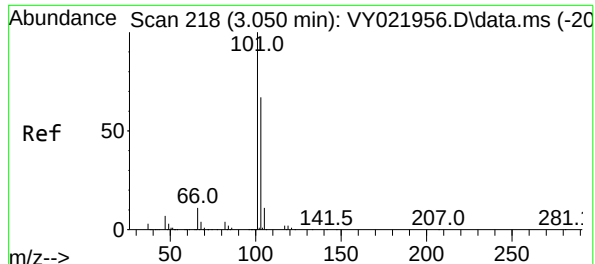
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 90.651 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

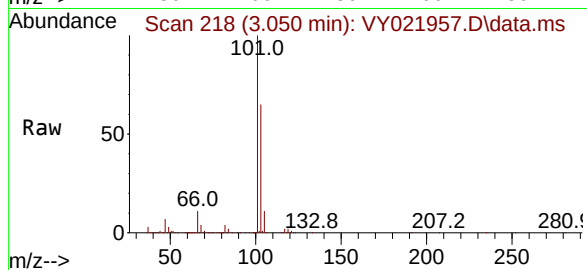
Tgt Ion: 64 Resp: 317008
Ion Ratio Lower Upper
64 100
66 31.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 93.728 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

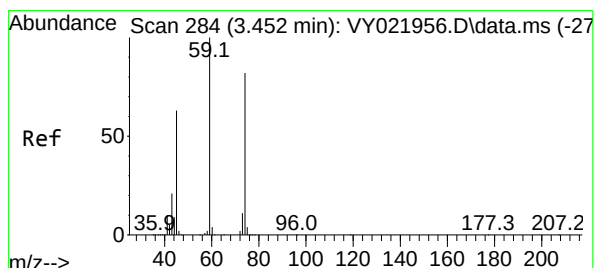
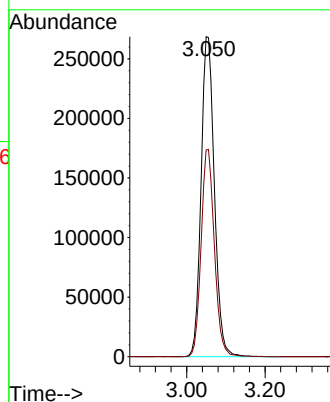
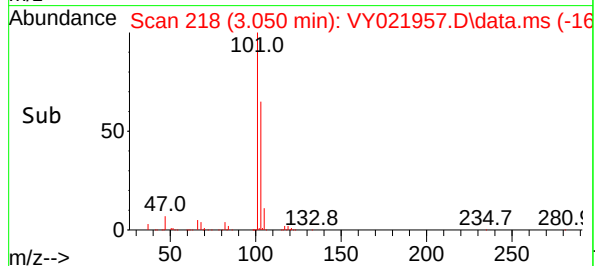
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 101 Resp: 63463
Ion Ratio Lower Upper
101 100
103 64.6 53.6 80.4

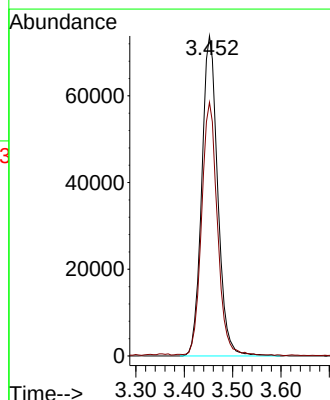
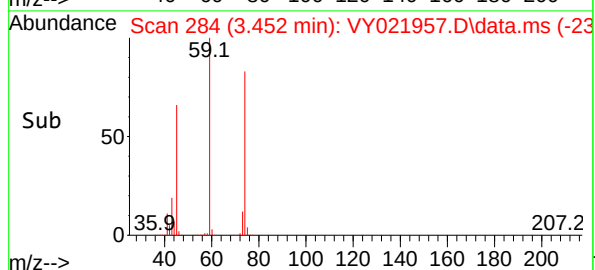
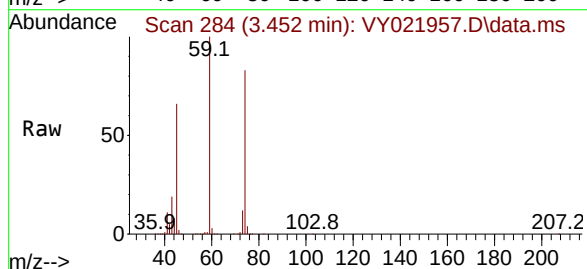
Manual Integrations
APPROVED

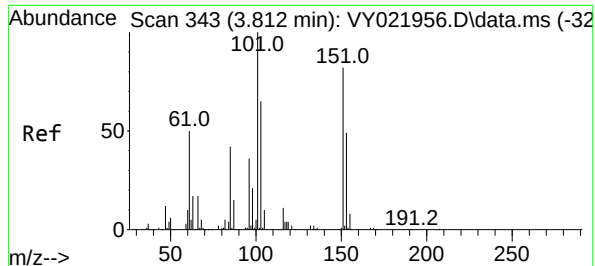
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 96.177 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 74 Resp: 169496
Ion Ratio Lower Upper
74 100
45 77.7 39.1 117.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.171 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 342220

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

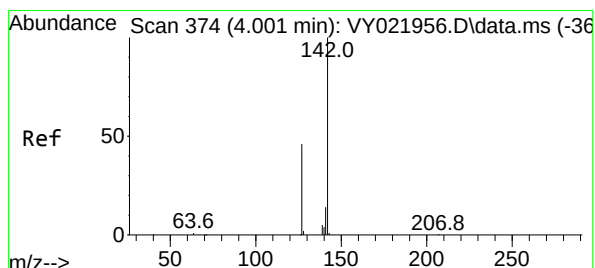
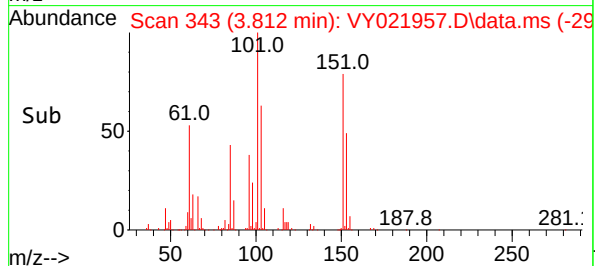
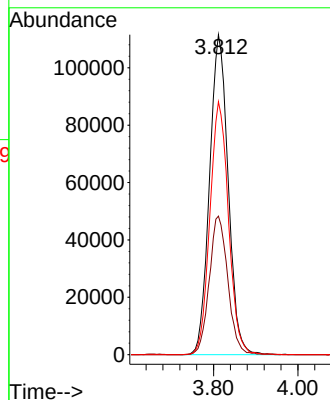
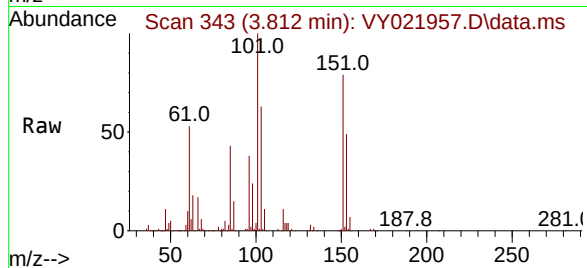
151 78.9 63.7 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#10

Methyl Iodide

Concen: 105.498 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

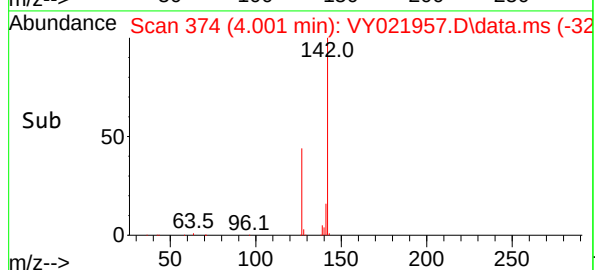
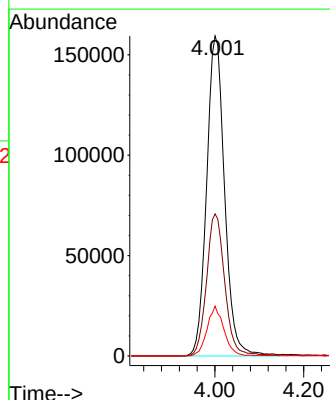
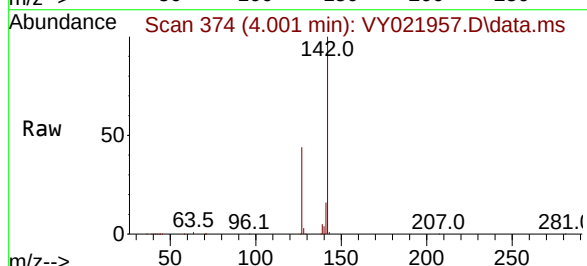
Tgt Ion:142 Resp: 448644

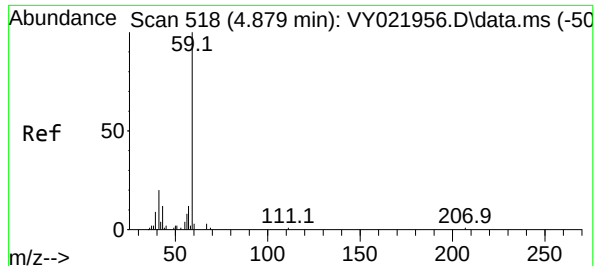
Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 454.915 ug/l

RT: 4.872 min Scan# 518

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 79440

Ion Ratio Lower Upper

59 100

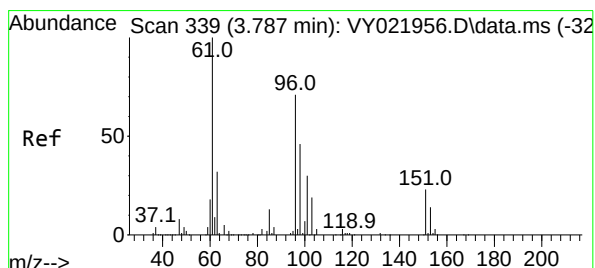
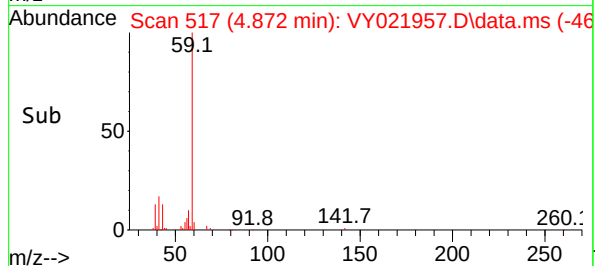
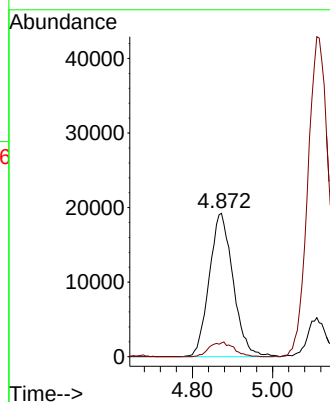
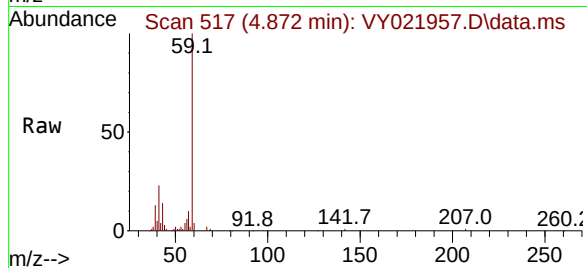
57 10.4 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 97.935 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

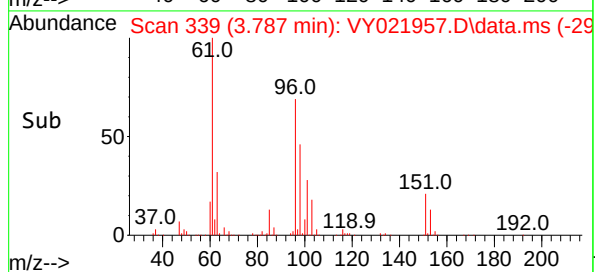
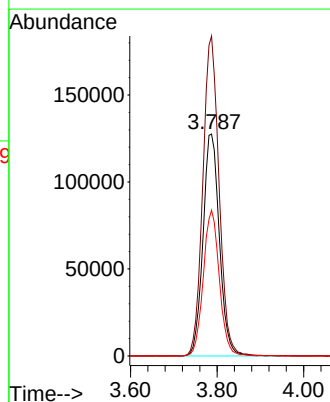
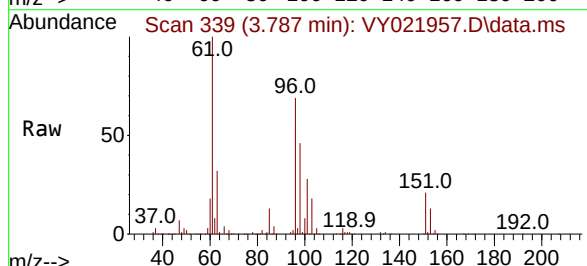
Tgt Ion: 96 Resp: 335292

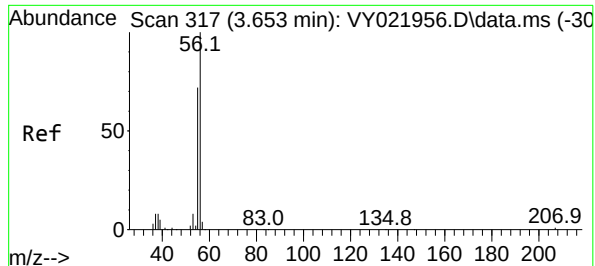
Ion Ratio Lower Upper

96 100

61 144.2 113.0 169.4

98 65.7 51.4 77.2





#13

Acrolein

Concen: 438.034 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 137299

Ion Ratio Lower Upper

56 100

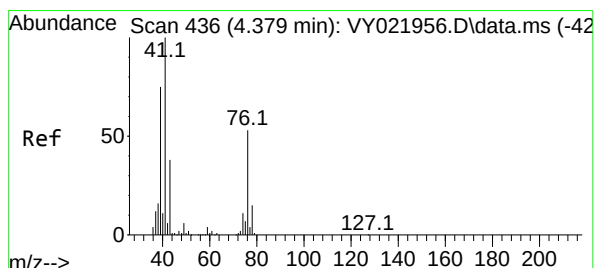
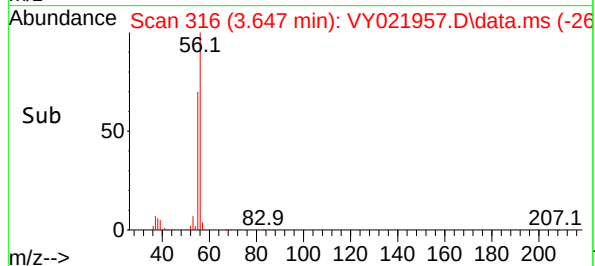
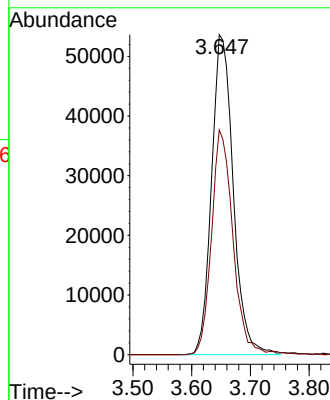
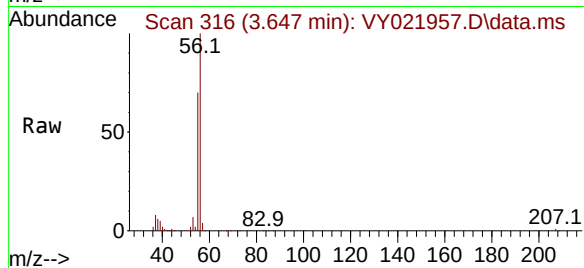
55 69.1 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 99.318 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

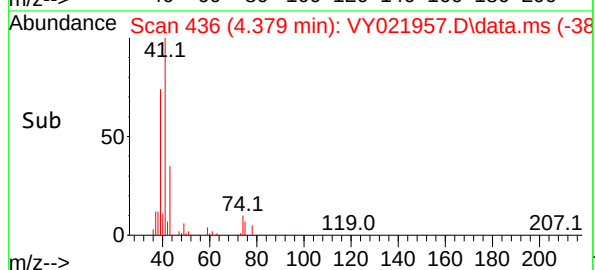
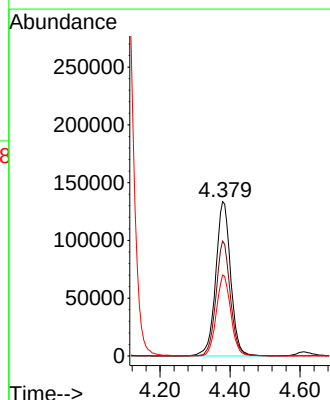
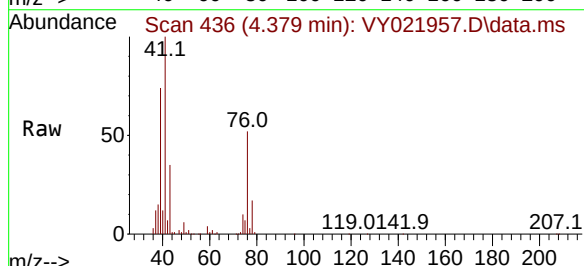
Tgt Ion: 41 Resp: 395924

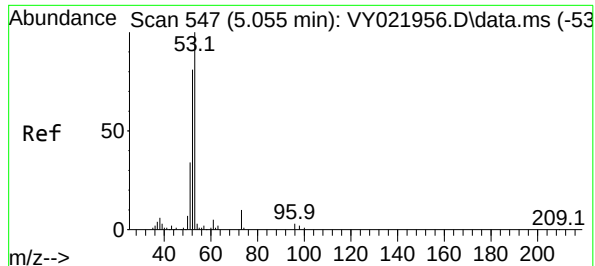
Ion Ratio Lower Upper

41 100

39 71.7 57.2 85.8

76 50.5 39.7 59.5





#15

Acrylonitrile

Concen: 470.017 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 30324

Ion Ratio Lower Upper

53 100

52 80.9 65.0 97.6

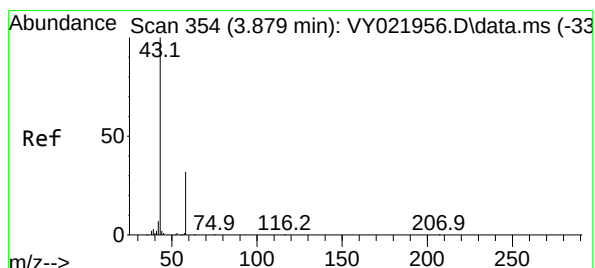
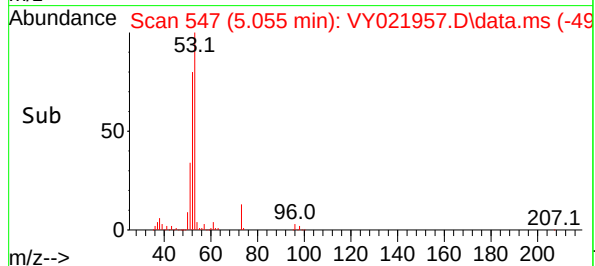
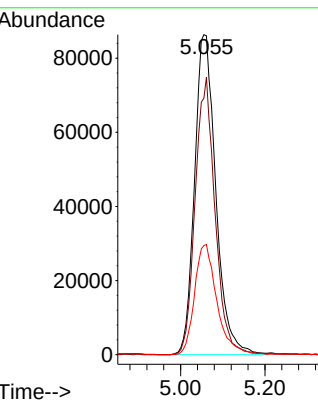
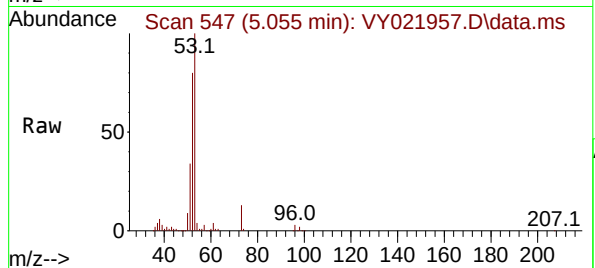
51 36.1 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 497.873 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY021957.D

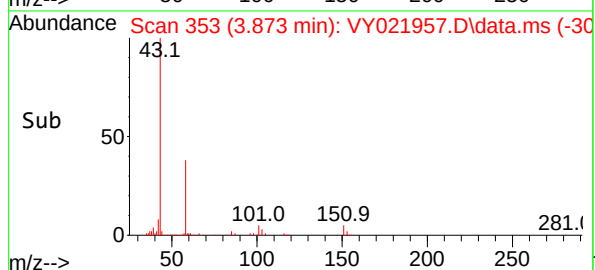
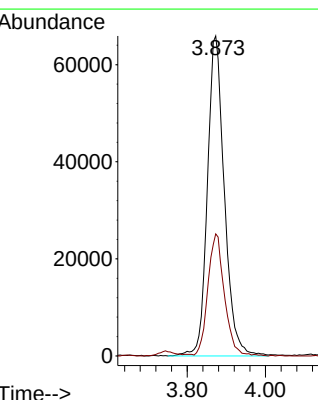
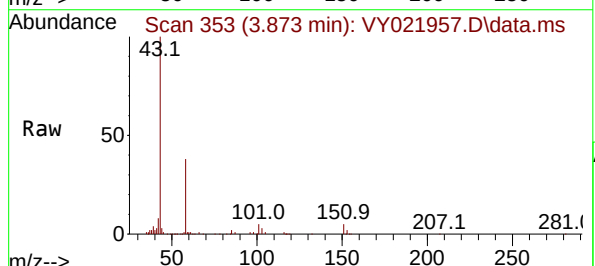
Acq: 22 Apr 2025 15:52

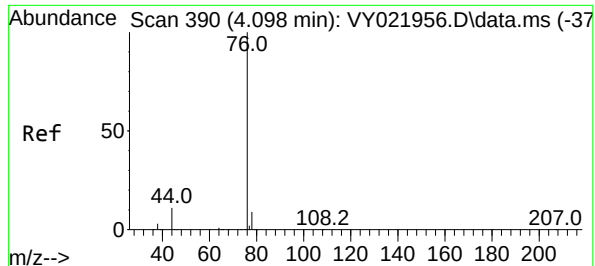
Tgt Ion: 43 Resp: 198486

Ion Ratio Lower Upper

43 100

58 38.2 27.0 40.4





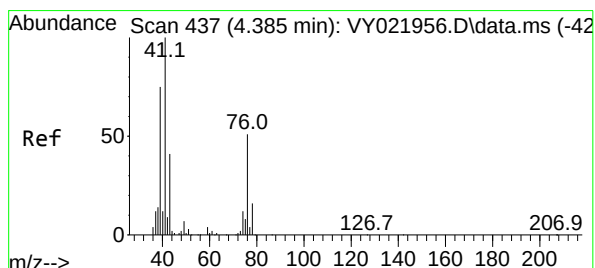
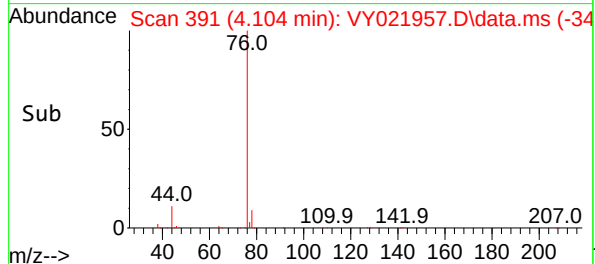
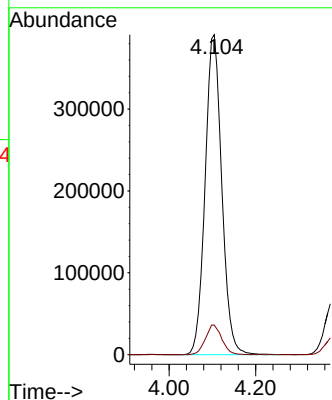
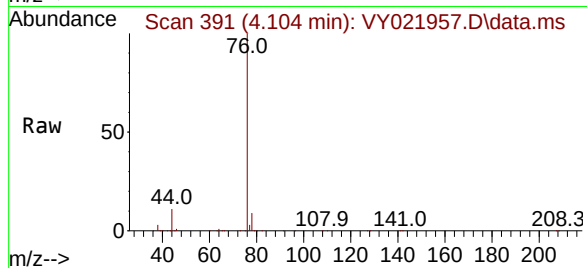
#17
Carbon Disulfide
Concen: 95.665 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 1044290
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

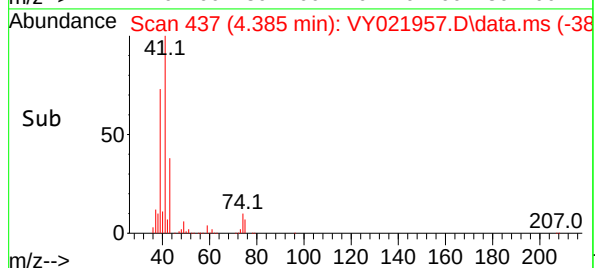
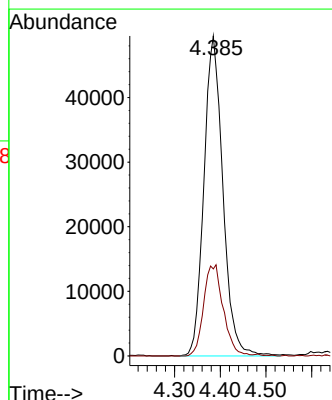
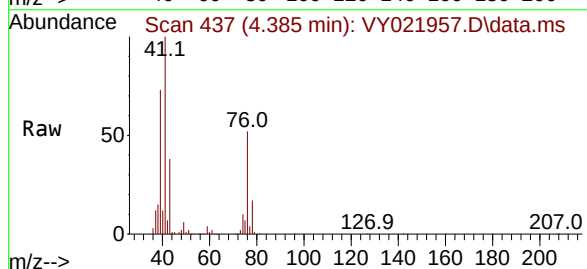
Manual Integrations
APPROVED

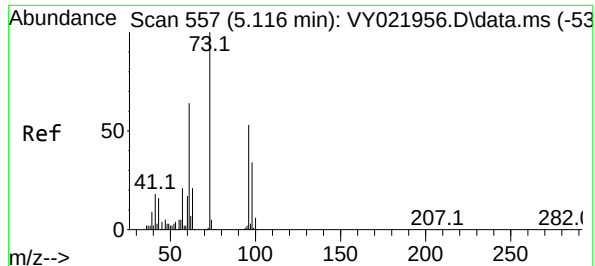
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 96.193 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 142939
Ion Ratio Lower Upper
43 100
74 29.5 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 102.542 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 785760

Ion Ratio Lower Upper

73 100

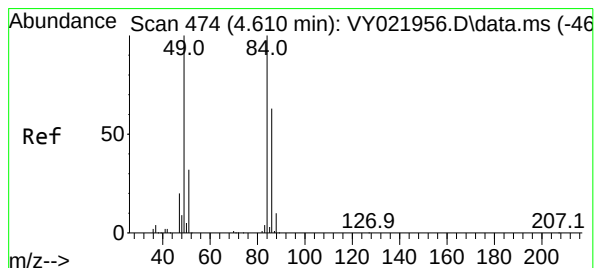
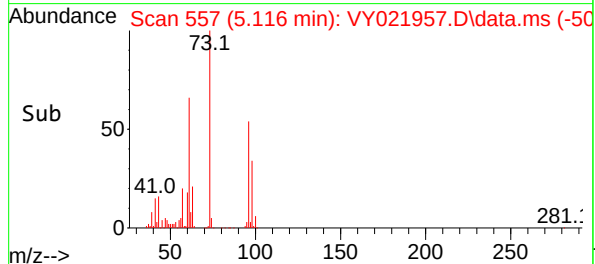
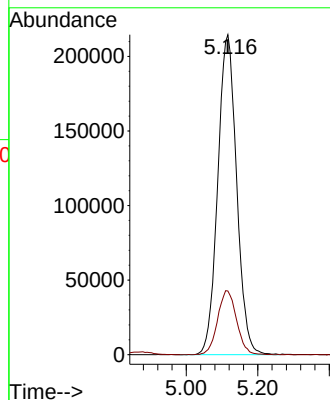
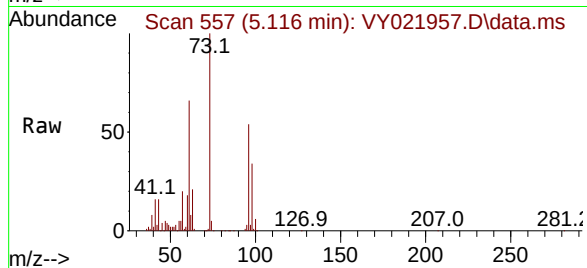
57 19.9 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 88.623 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion: 84 Resp: 356477

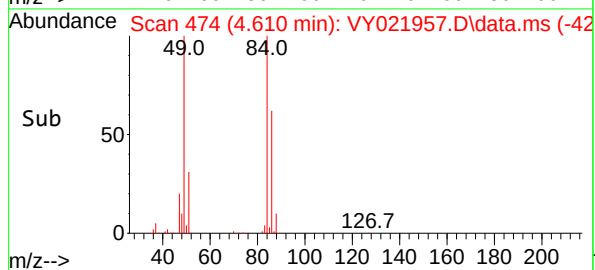
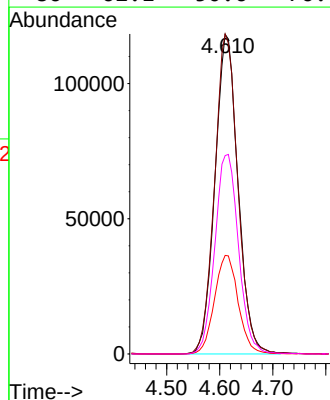
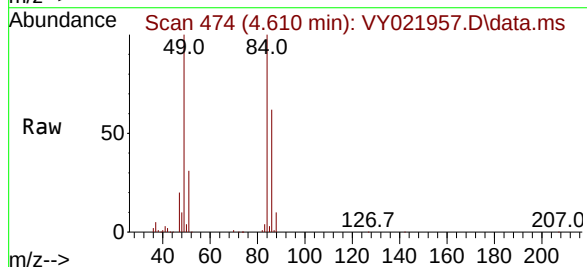
Ion Ratio Lower Upper

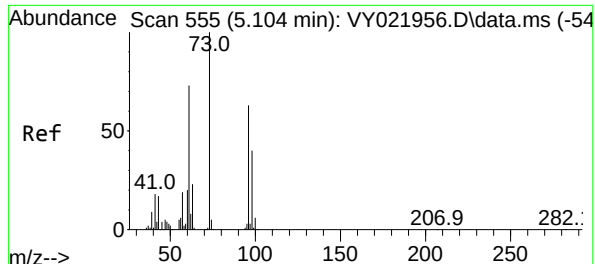
84 100

49 100.1 79.9 119.9

51 30.8 25.4 38.0

86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 98.137 ug/l

RT: 5.110 min Scan# 511

Delta R.T. 0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 376278

Ion Ratio Lower Upper

96 100

61 119.4 92.6 138.8

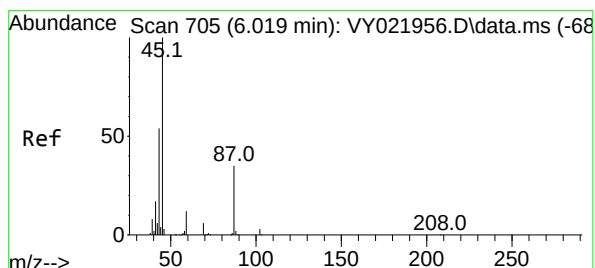
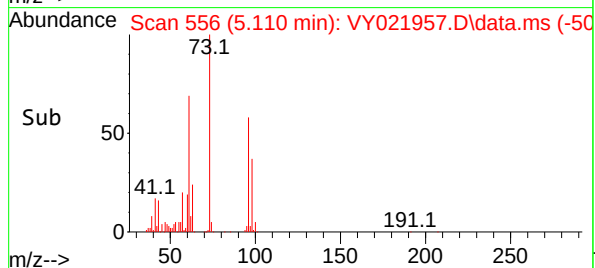
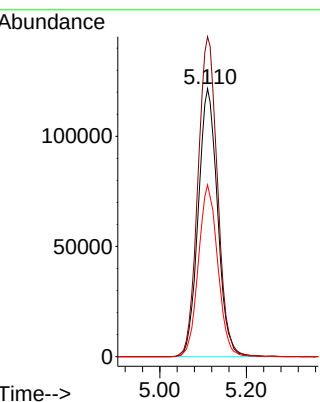
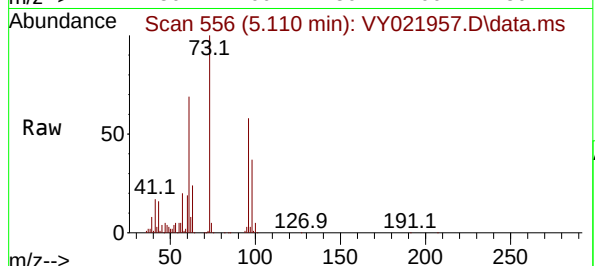
98 64.1 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#22

Diisopropyl ether

Concen: 100.965 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion: 45 Resp: 895700

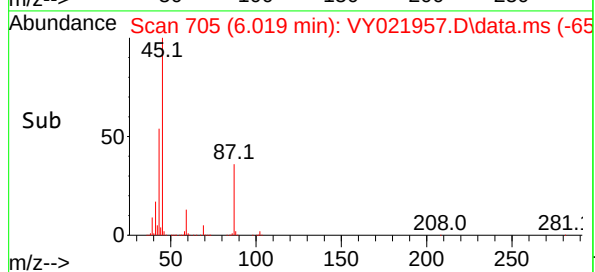
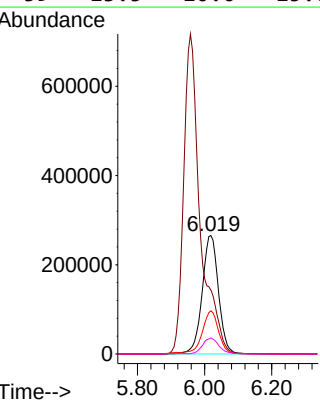
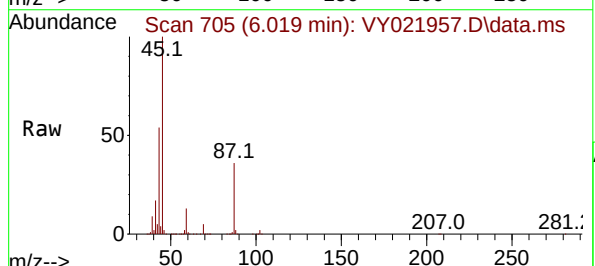
Ion Ratio Lower Upper

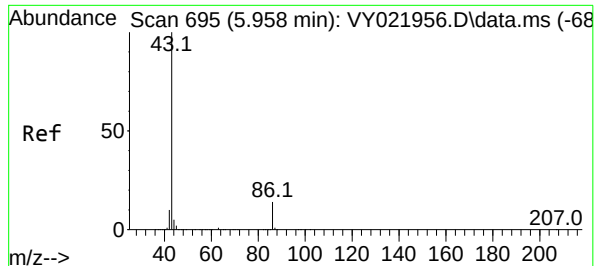
45 100

43 53.8 43.6 65.4

87 36.5 28.2 42.4

59 13.5 10.0 15.0





#23

Vinyl Acetate

Concen: 513.679 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 245594

Ion Ratio Lower Upper

43

100

86

14.5

11.1

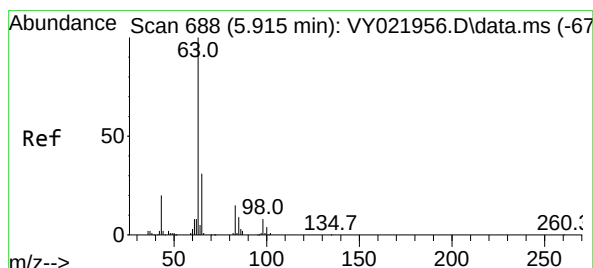
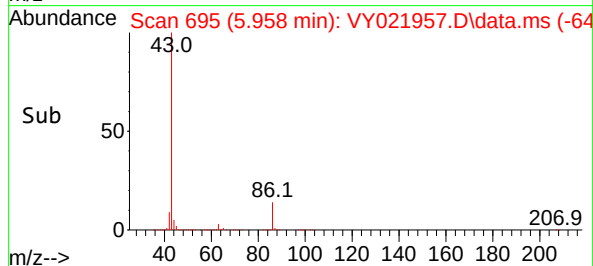
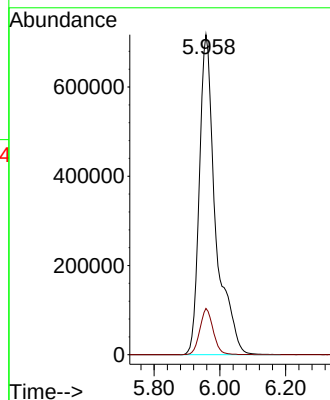
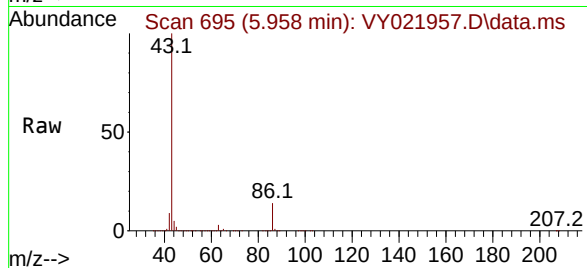
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 95.806 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion: 63 Resp: 589137

Ion Ratio Lower Upper

63

100

98

7.4

4.0

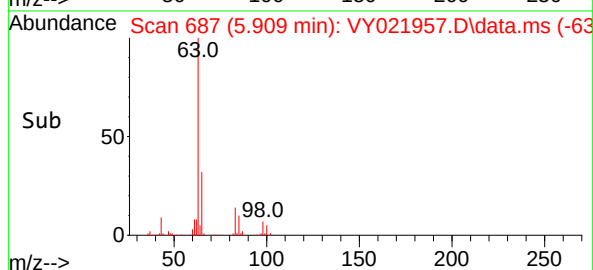
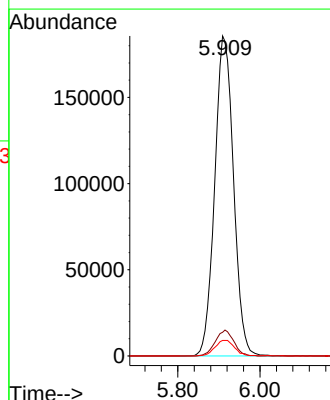
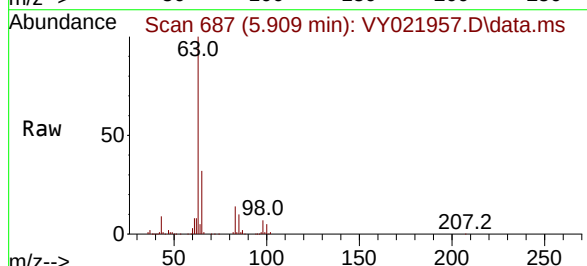
11.9

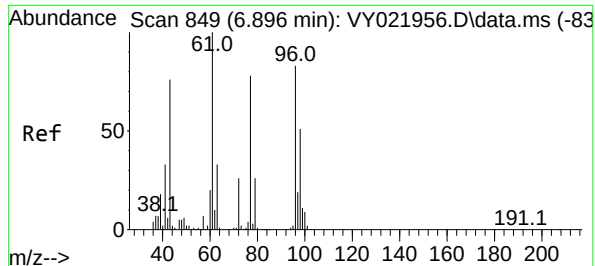
100

4.8

2.0

6.0





#25

2-Butanone

Concen: 471.826 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 342128

Ion Ratio Lower Upper

43 100

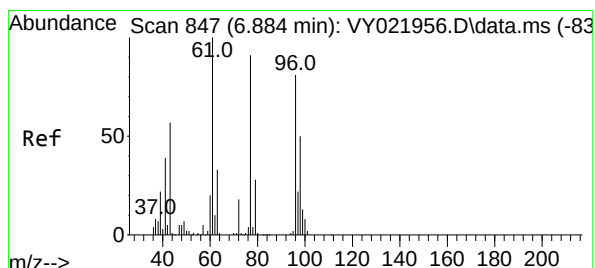
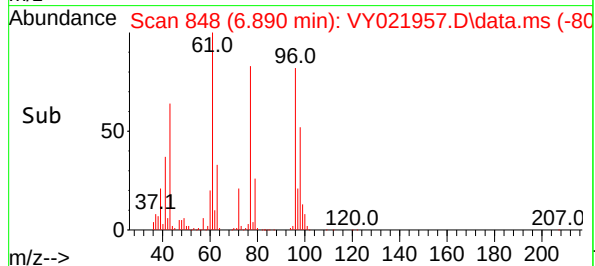
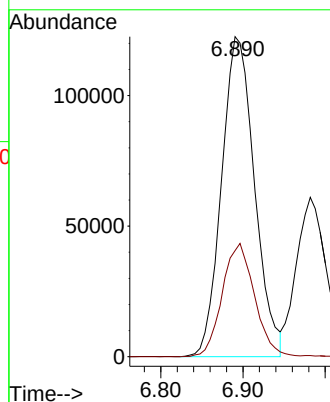
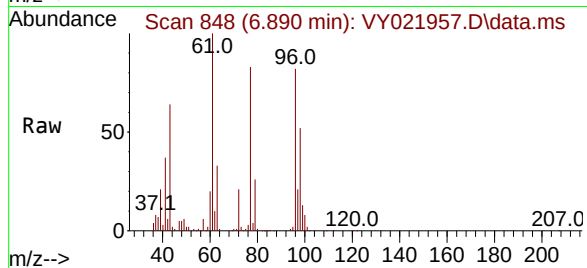
72 33.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 98.439 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021957.D

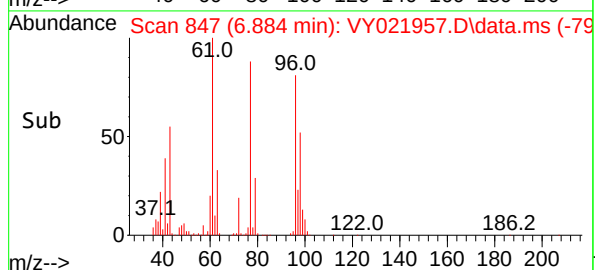
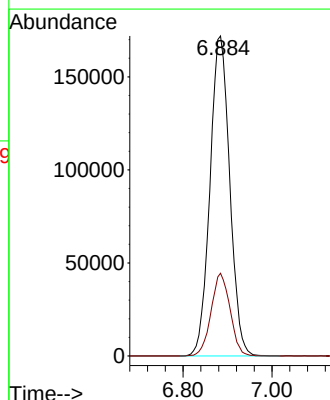
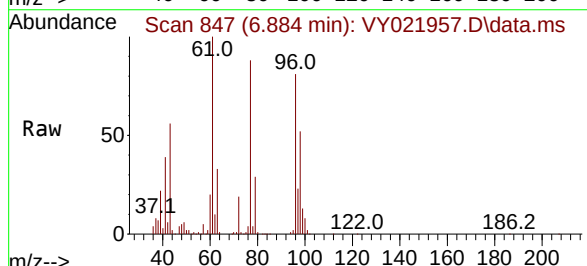
Acq: 22 Apr 2025 15:52

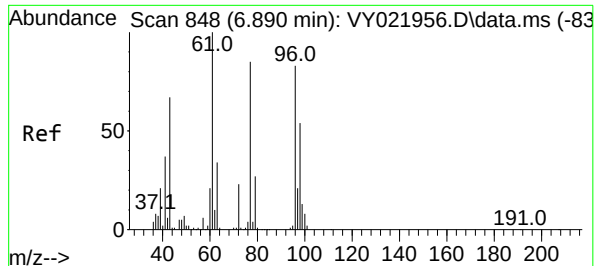
Tgt Ion: 77 Resp: 530549

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 101.743 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

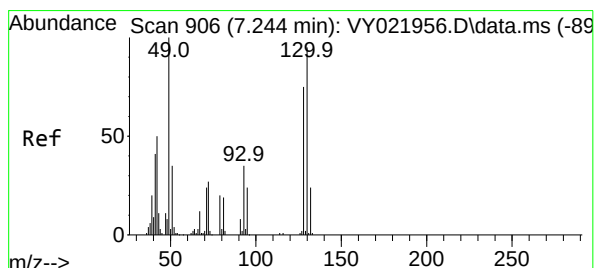
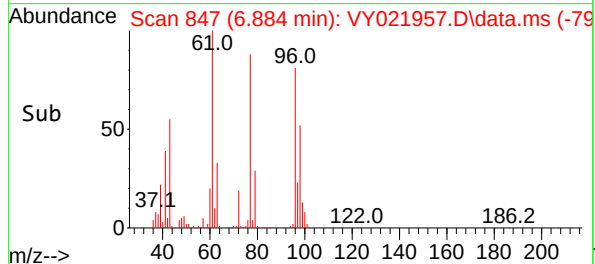
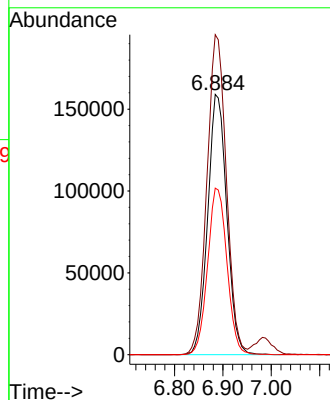
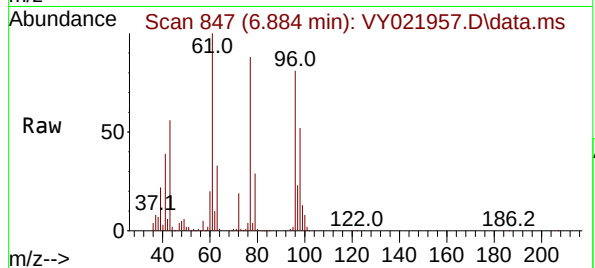
VSTDICC100

Tgt Ion:	96	Resp:	436190
Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	251.4
98	64.8	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 92.652 ug/l

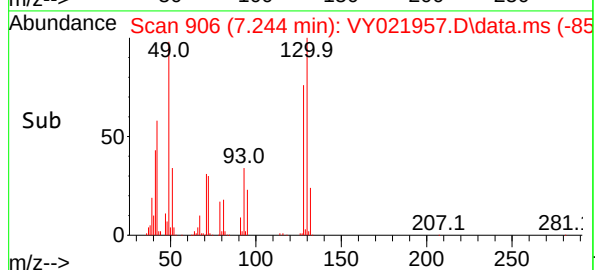
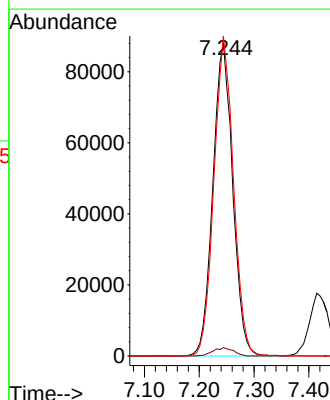
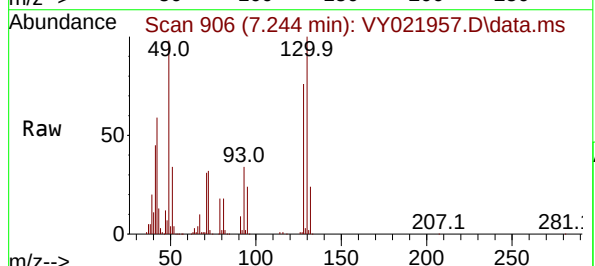
RT: 7.244 min Scan# 906

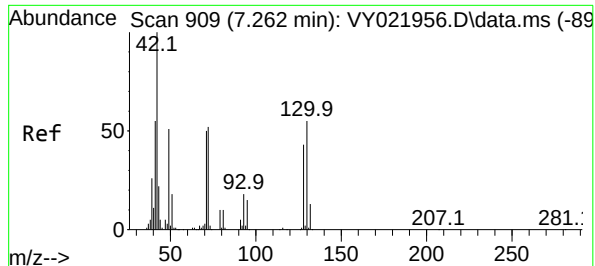
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion:	49	Resp:	221300
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	100.7	78.2	117.4





#29

Tetrahydrofuran

Concen: 485.059 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 228438

Ion Ratio Lower Upper

42 100

72 56.3 42.6 63.8

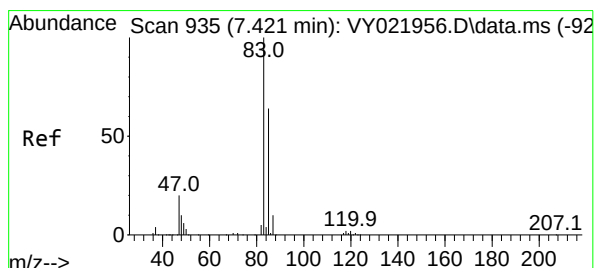
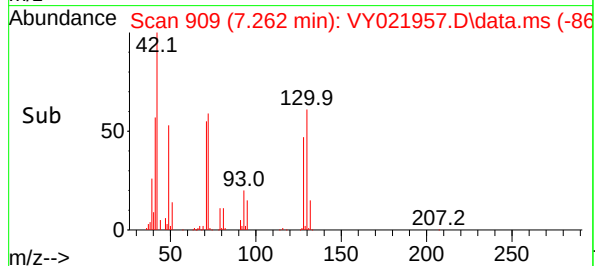
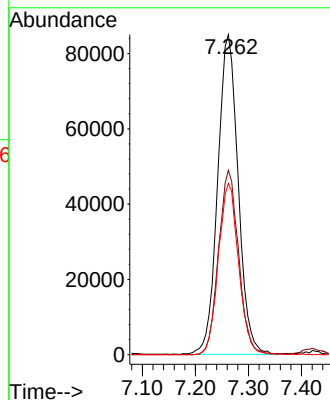
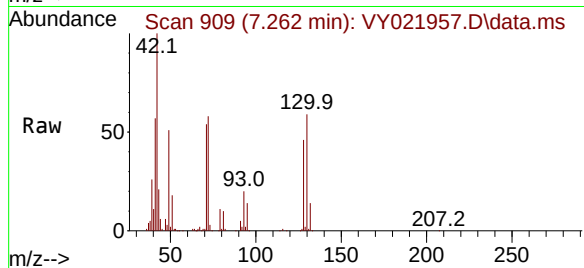
71 52.8 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 96.733 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021957.D

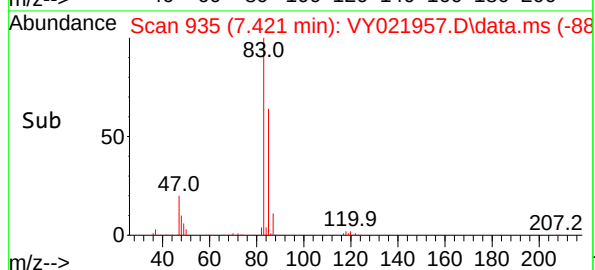
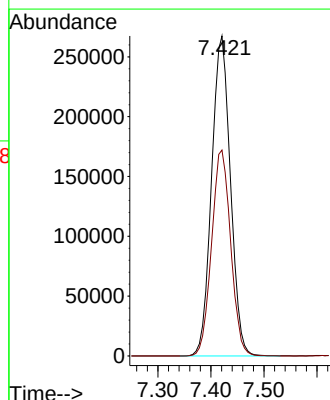
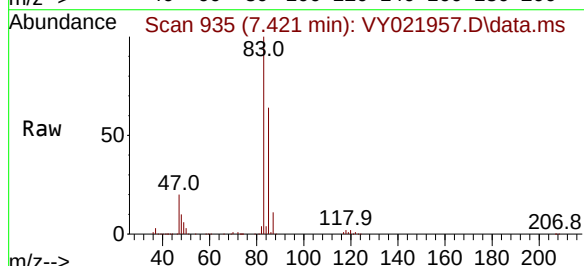
Acq: 22 Apr 2025 15:52

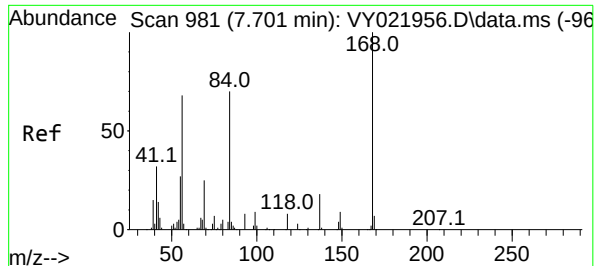
Tgt Ion: 83 Resp: 659805

Ion Ratio Lower Upper

83 100

85 64.3 51.3 76.9





#31

Cyclohexane

Concen: 95.618 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 50281

Ion Ratio Lower Upper

56 100

69 34.1 29.4 44.2

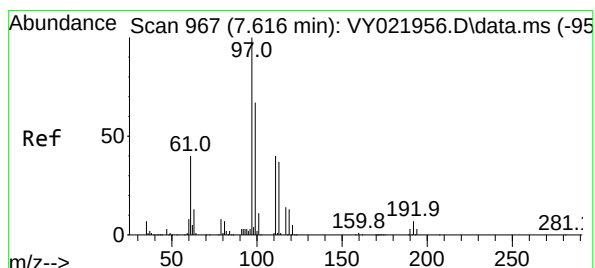
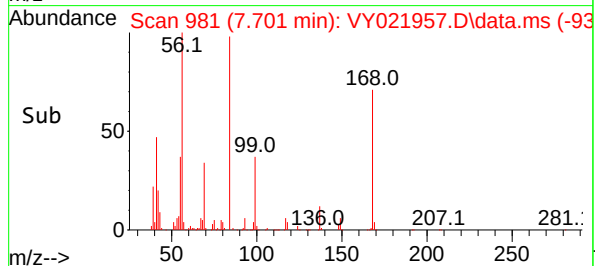
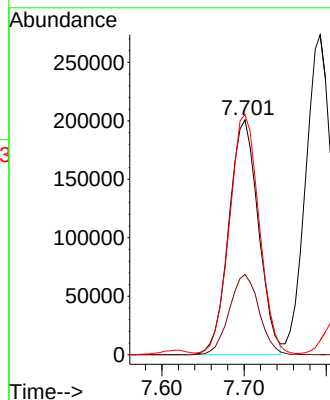
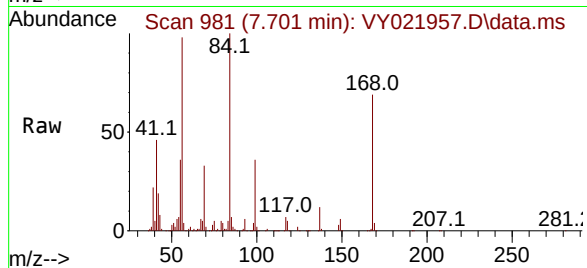
84 100.3 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 96.568 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

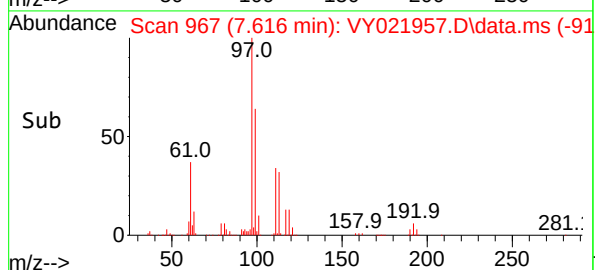
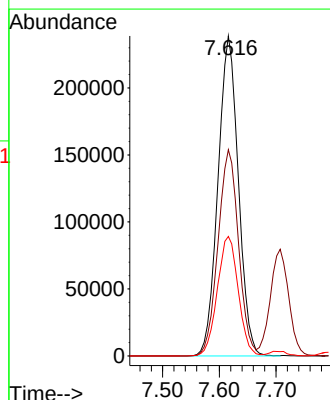
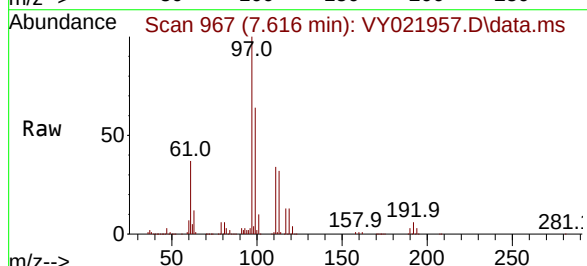
Tgt Ion: 97 Resp: 595919

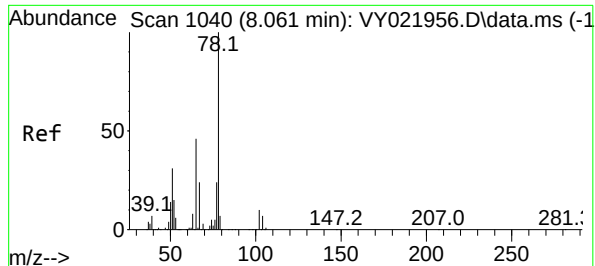
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 38.4 31.4 47.2





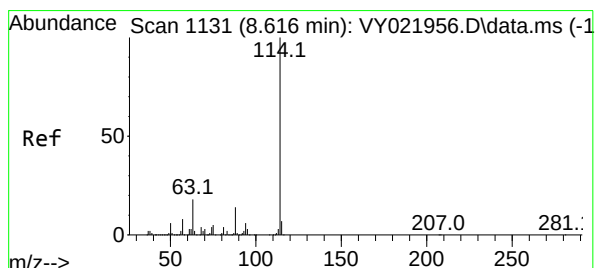
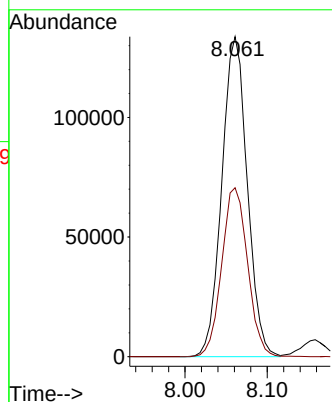
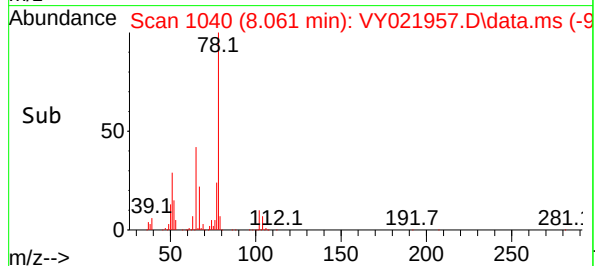
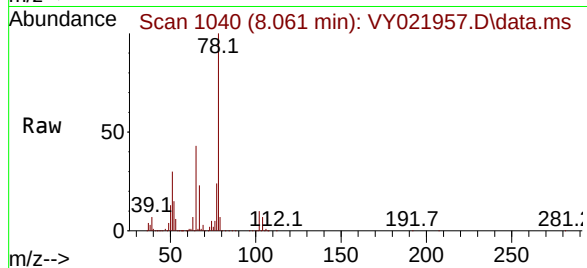
#33
1,2-Dichloroethane-d4
Concen: 90.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 28774
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8

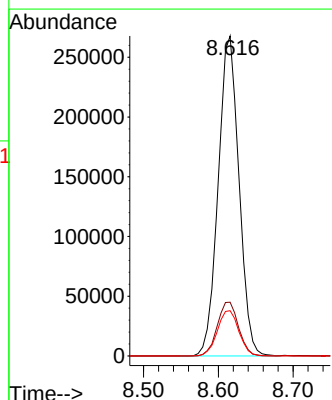
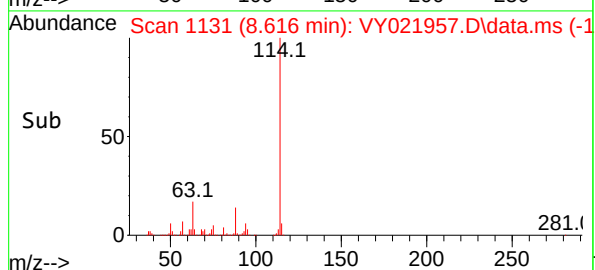
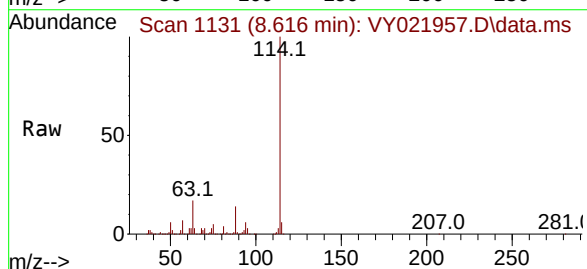
Manual Integrations
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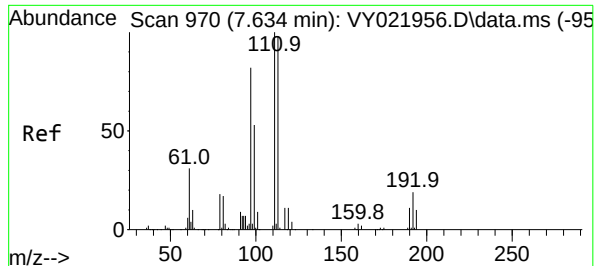
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:114 Resp: 517970
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.4
88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 96.430 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 32998

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

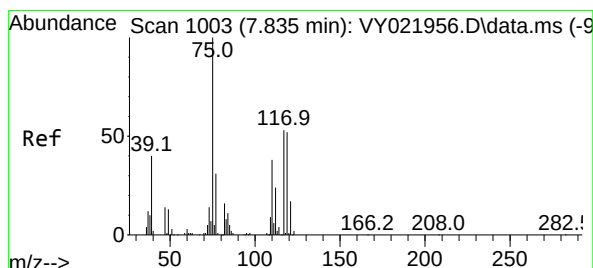
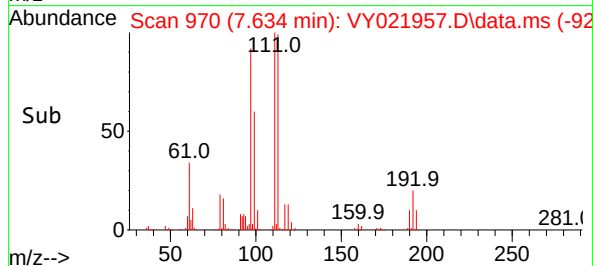
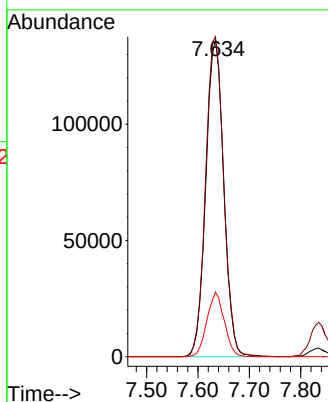
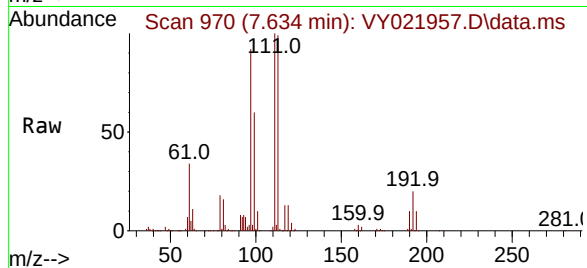
192 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 101.471 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

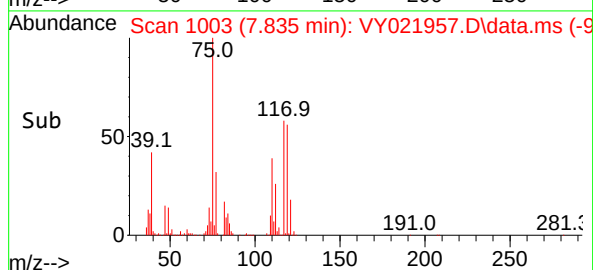
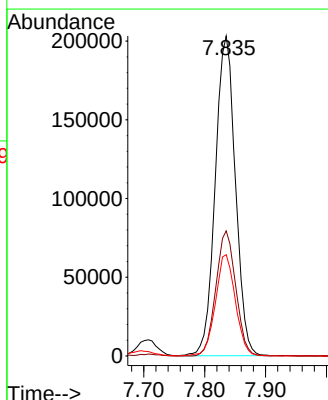
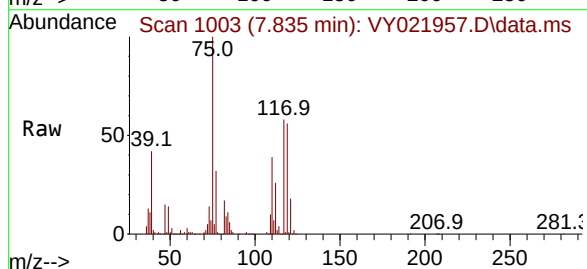
Tgt Ion: 75 Resp: 466424

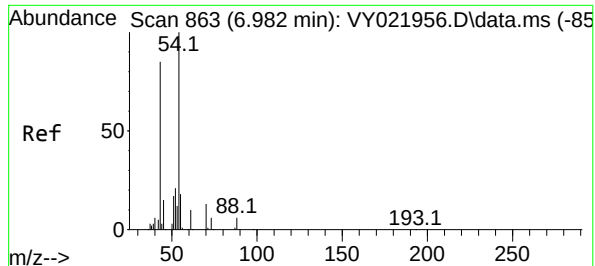
Ion Ratio Lower Upper

75 100

110 38.6 19.1 57.3

77 31.5 25.5 38.3





#37

Ethyl Acetate

Concen: 97.530 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 158840

Ion Ratio Lower Upper

43 100

61 16.9 13.8 20.6

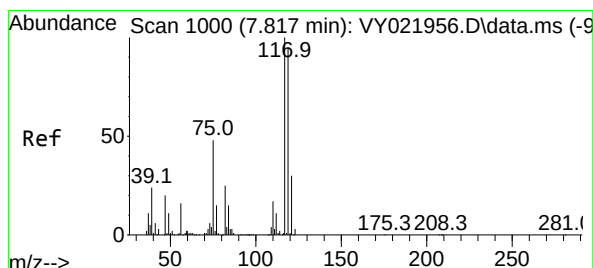
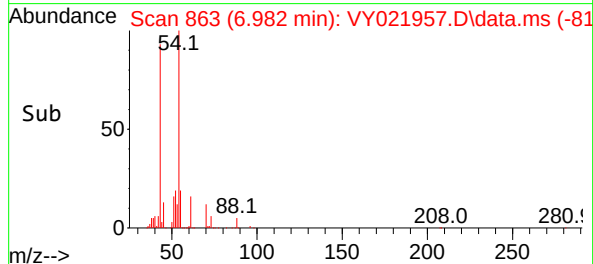
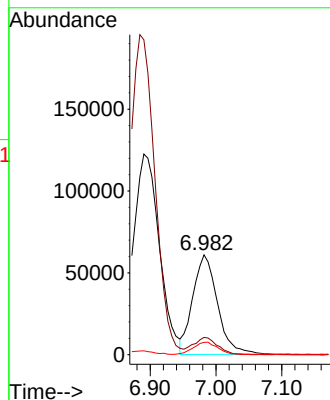
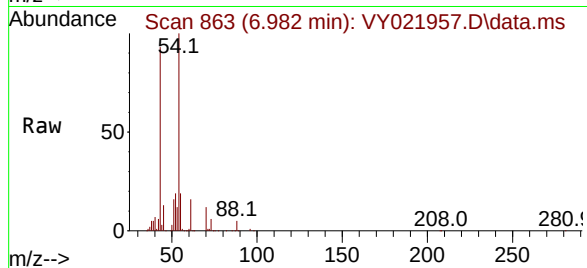
70 12.6 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 100.983 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

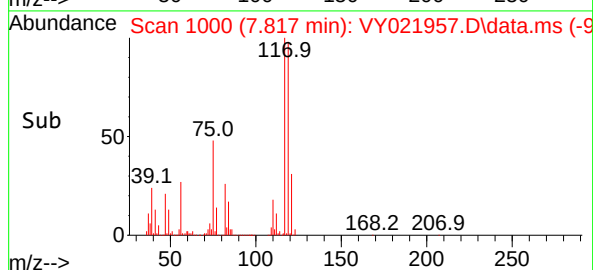
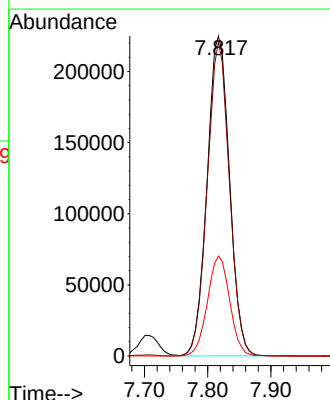
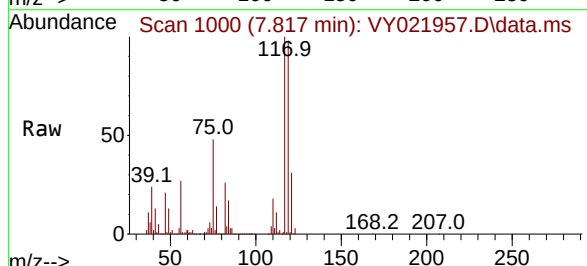
Tgt Ion:117 Resp: 554665

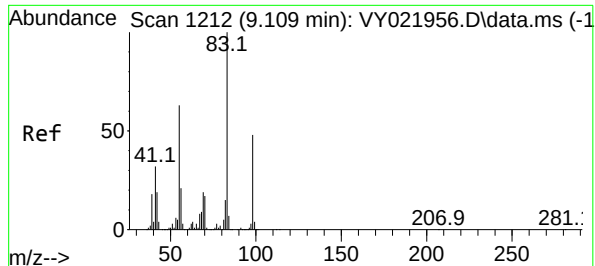
Ion Ratio Lower Upper

117 100

119 98.2 76.2 114.4

121 31.2 24.0 36.0





#39

Methylcyclohexane

Concen: 107.388 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 621199

Ion Ratio Lower Upper

83 100

55 63.7 50.6 75.8

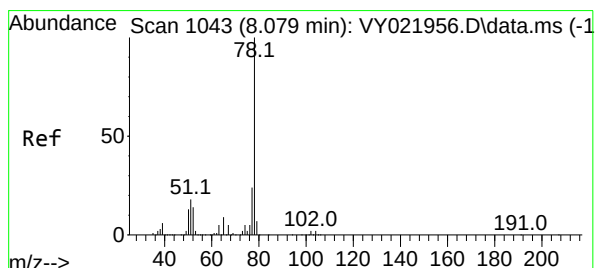
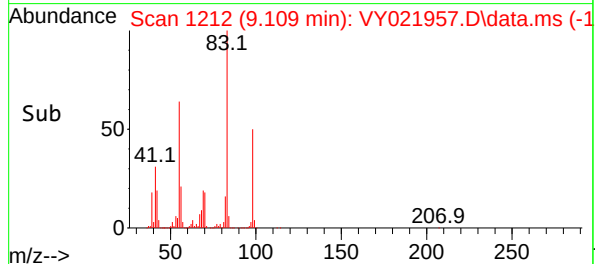
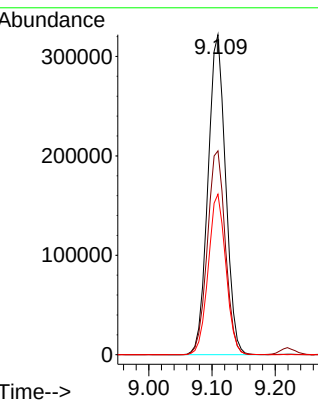
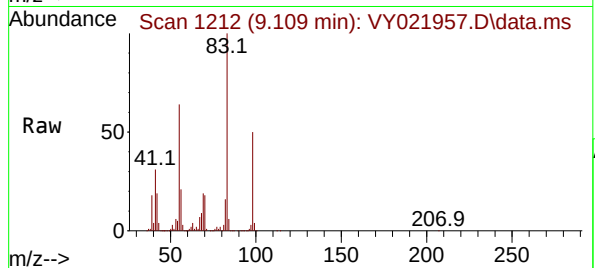
98 50.2 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 102.038 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY021957.D

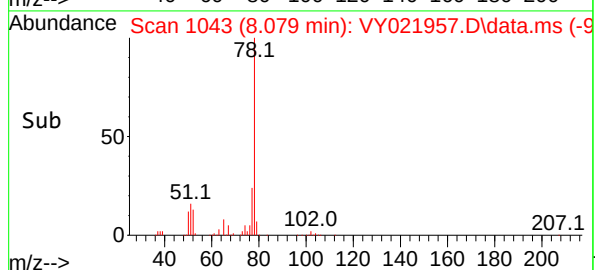
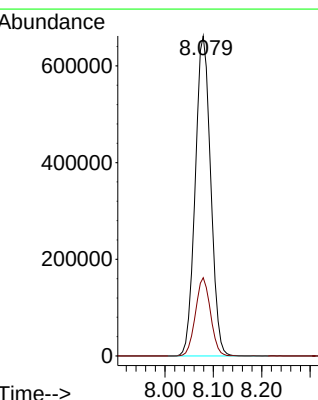
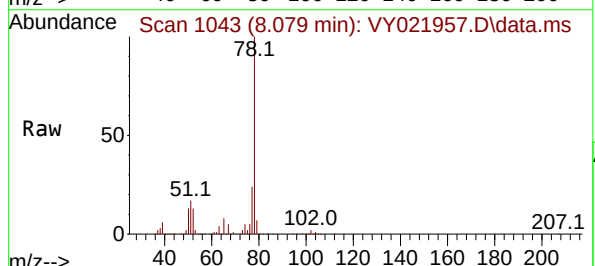
Acq: 22 Apr 2025 15:52

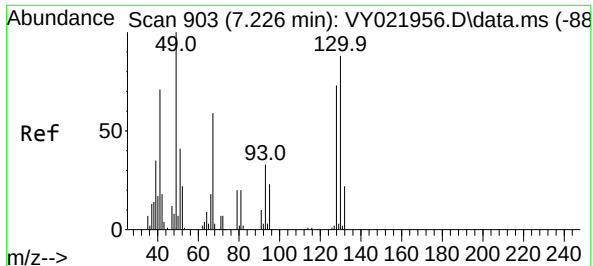
Tgt Ion: 78 Resp: 1466182

Ion Ratio Lower Upper

78 100

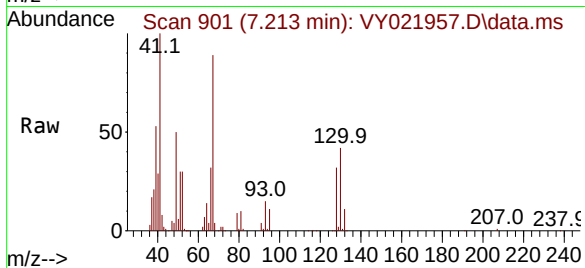
77 24.4 19.3 28.9





#41
Methacrylonitrile
Concen: 93.624 ug/l
RT: 7.213 min Scan# 903
Delta R.T. -0.012 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

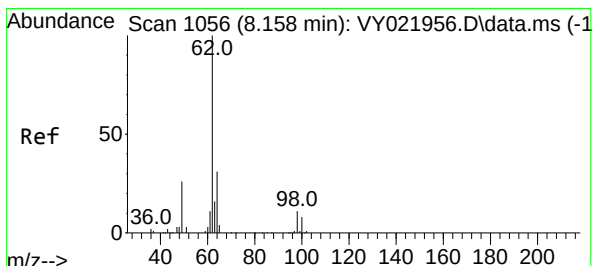
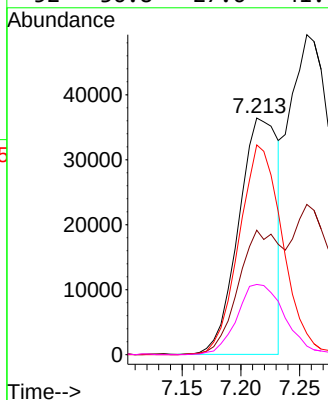
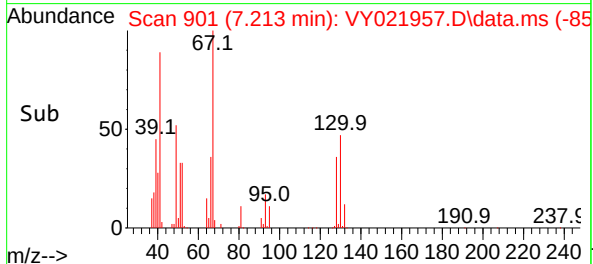
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 84524
Ion Ratio Lower Upper
41 100
39 59.6 36.6 55.0
67 99.3 72.2 108.4
52 36.8 27.6 41.4

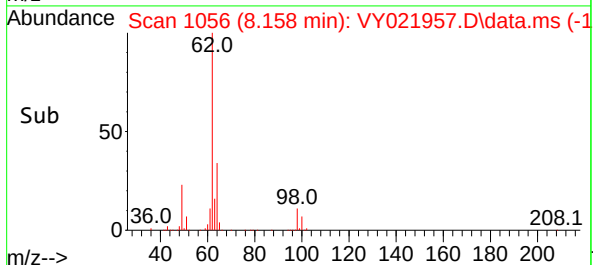
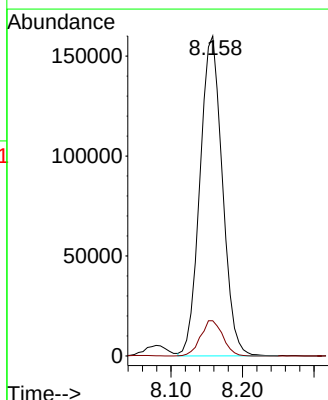
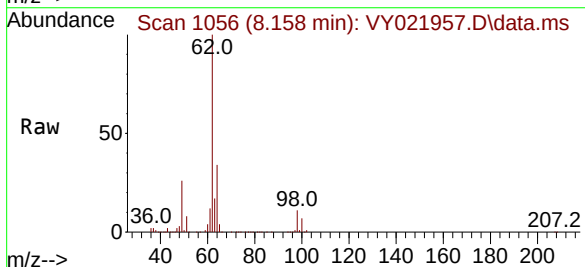
Manual Integrations
APPROVED

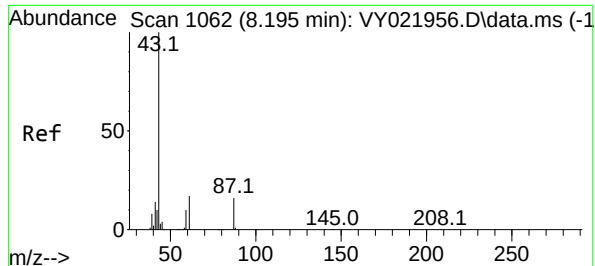
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 97.908 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 348314
Ion Ratio Lower Upper
62 100
98 10.9 0.0 22.0





#43

Isopropyl Acetate

Concen: 100.828 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 31966

Ion Ratio Lower Upper

43 100

61 24.6 18.9 28.3

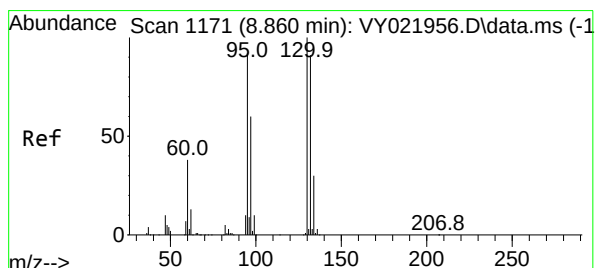
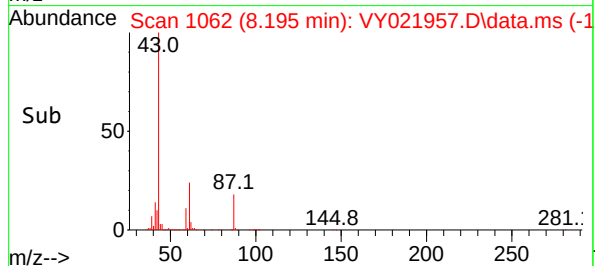
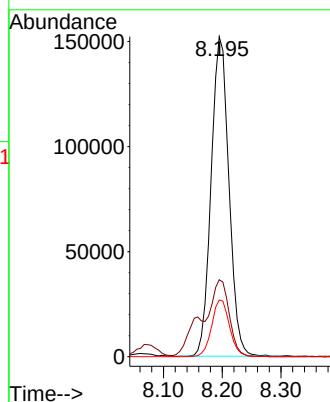
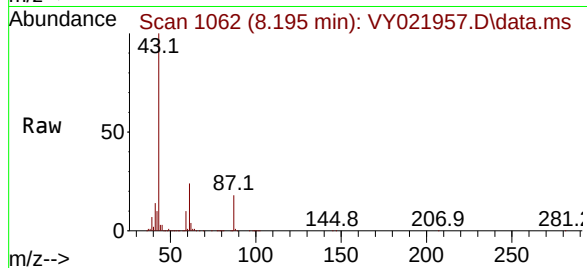
87 17.8 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 100.789 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY021957.D

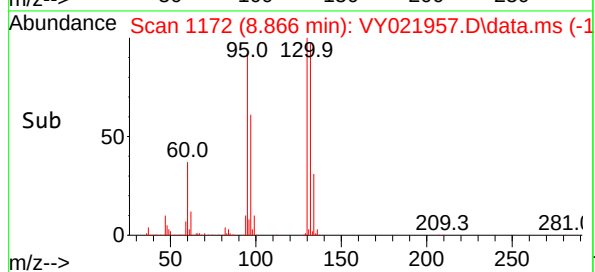
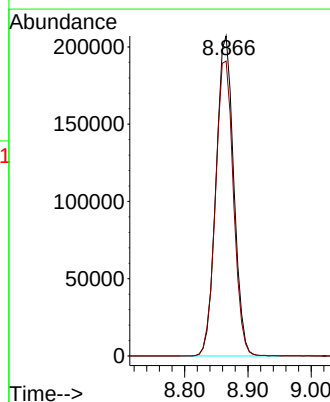
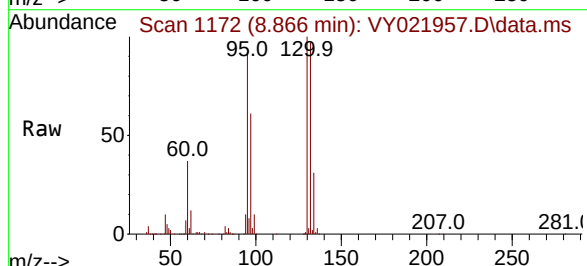
Acq: 22 Apr 2025 15:52

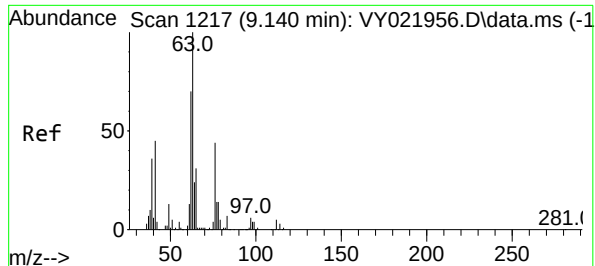
Tgt Ion:130 Resp: 401139

Ion Ratio Lower Upper

130 100

95 92.2 0.0 183.2





#45

1,2-Dichloropropane

Concen: 100.279 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 31864

Ion Ratio Lower Upper

63 100

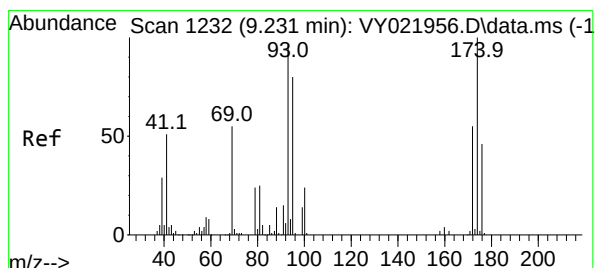
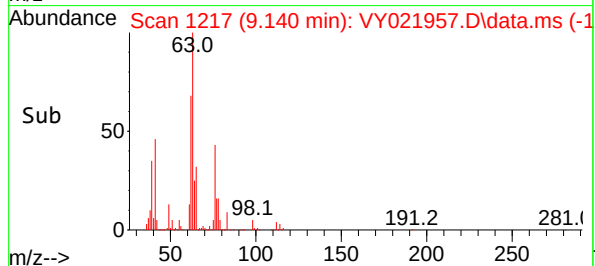
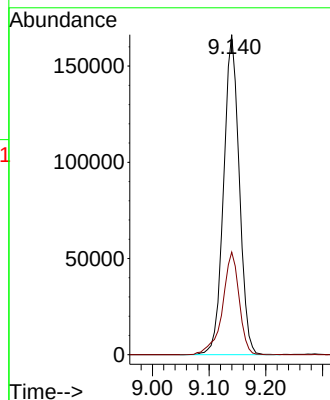
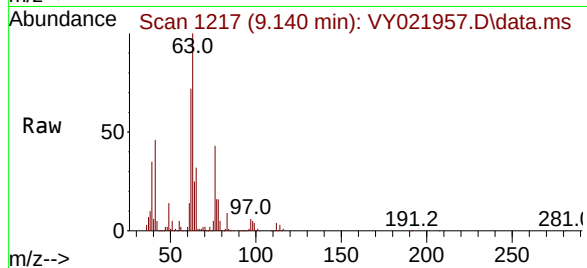
65 32.0 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 99.293 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

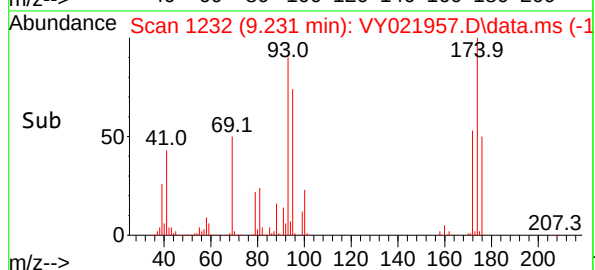
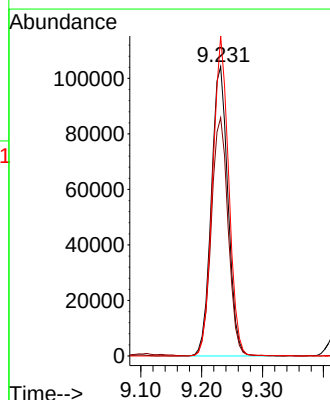
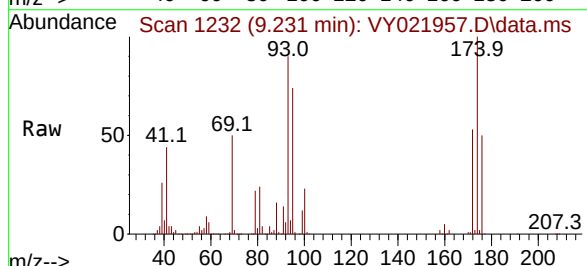
Tgt Ion: 93 Resp: 197509

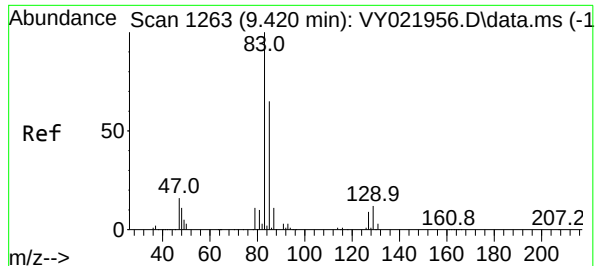
Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

174 106.6 84.6 127.0





#47

Bromodichloromethane

Concen: 102.188 ug/l

RT: 9.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

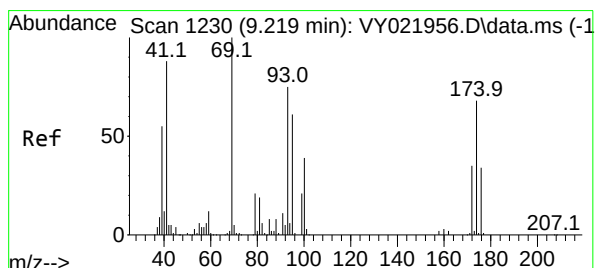
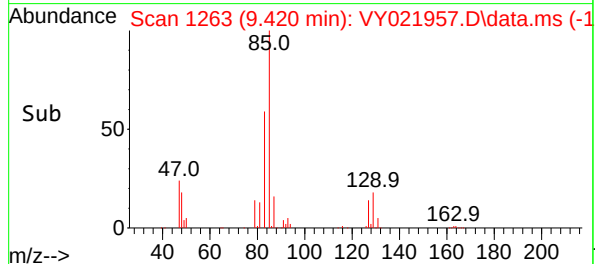
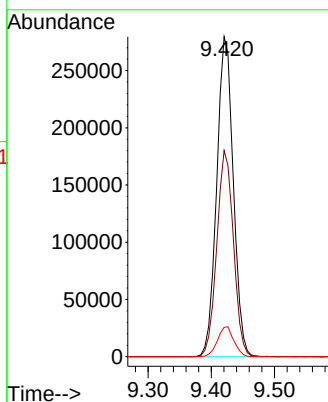
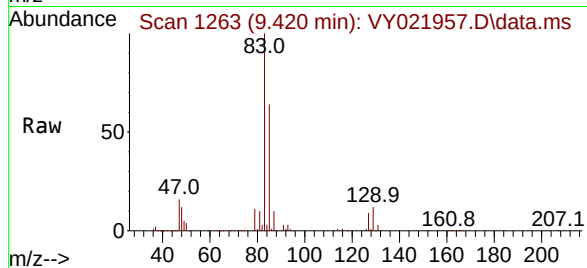
ClientSampleId :

VSTDICC100

Tgt Ion:	83	Resp:	50779
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.2	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 106.117 ug/l

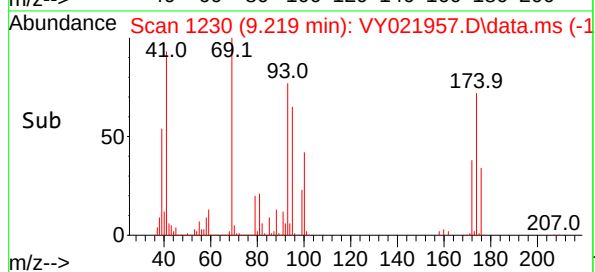
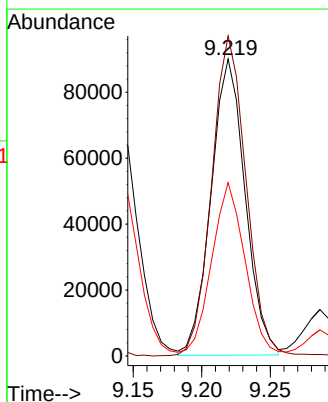
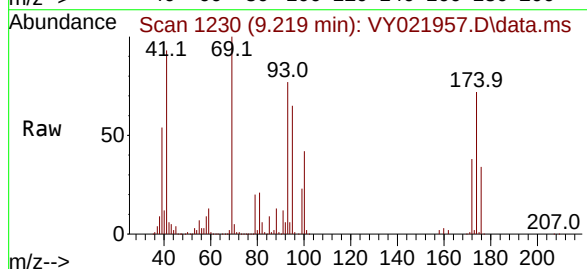
RT: 9.219 min Scan# 1230

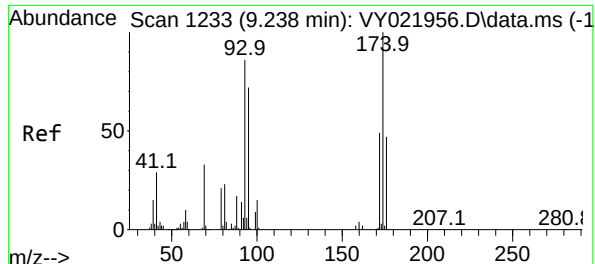
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion:	41	Resp:	155528
Ion	Ratio	Lower	Upper
41	100		
69	109.2	85.5	128.3
39	55.1	46.2	69.4





#49

1,4-Dioxane

Concen: 2036.490 ug/l

RT: 9.231 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

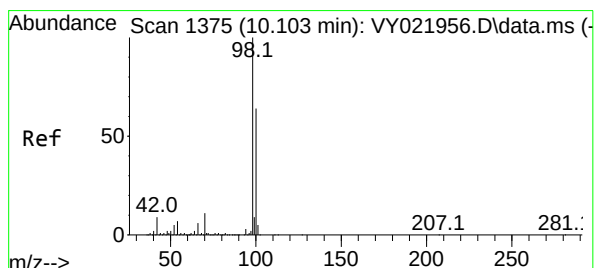
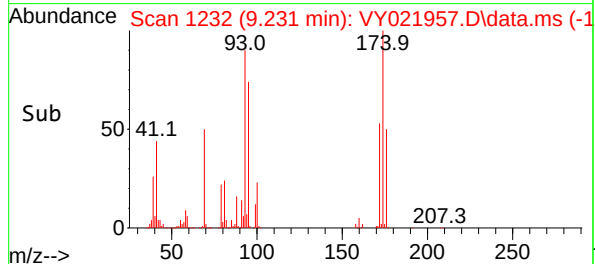
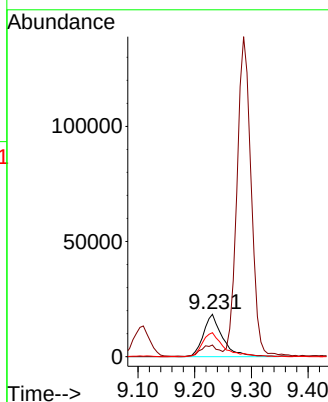
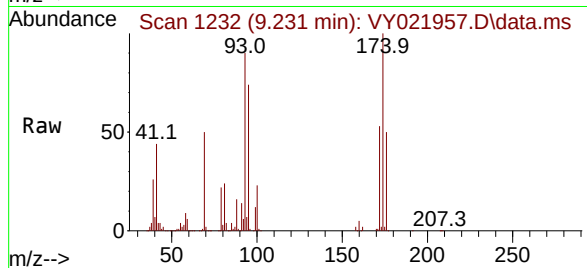
VSTDICC100

Tgt Ion:	88	Resp:	43170
Ion	Ratio	Lower	Upper
88	100		
43	24.3	21.3	31.9
58	62.9	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 99.860 ug/l

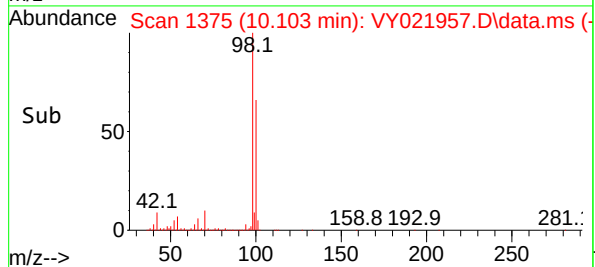
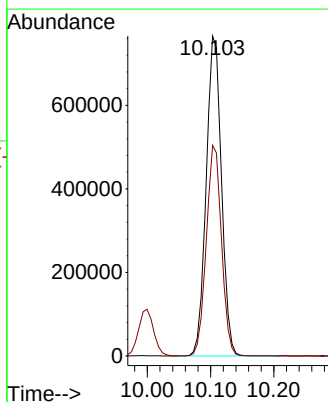
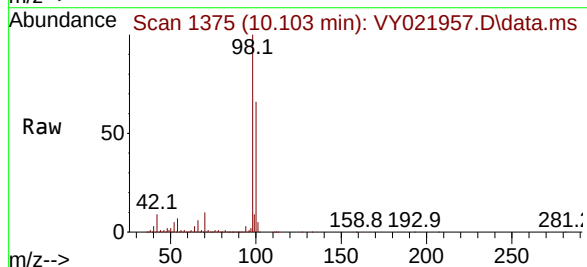
RT: 10.103 min Scan# 1375

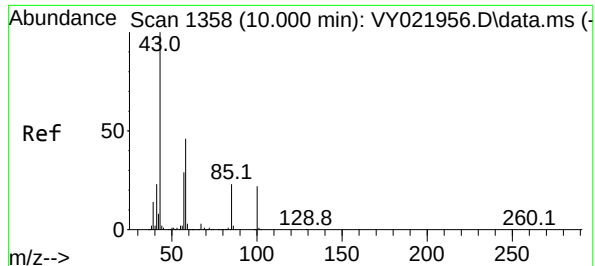
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion:	98	Resp:	1288287
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4





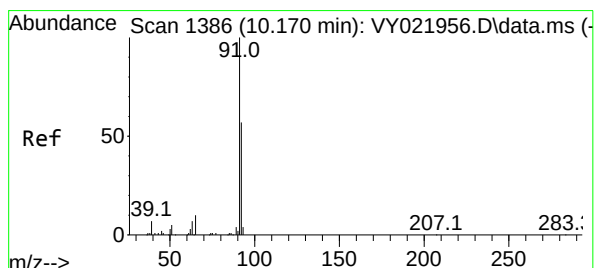
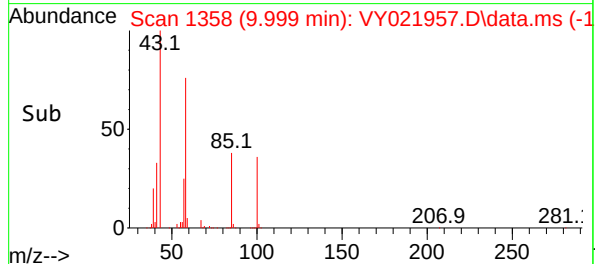
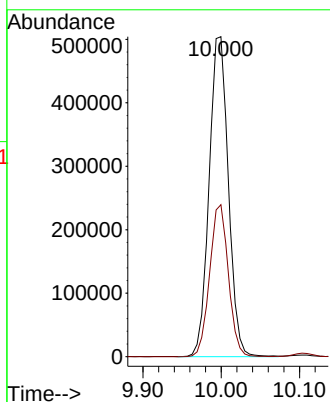
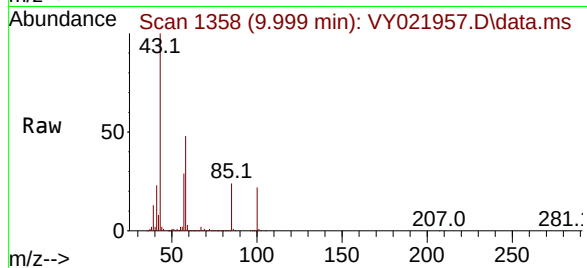
#51
4-Methyl-2-Pentanone
Concen: 517.403 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 859904
Ion Ratio Lower Upper
43 100
58 46.3 36.6 55.0

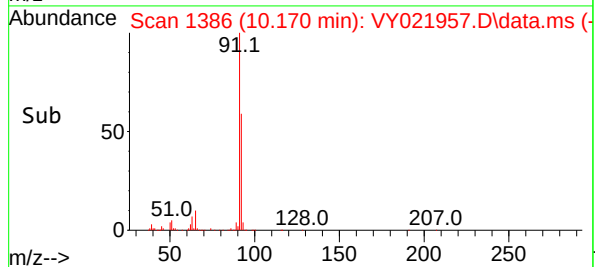
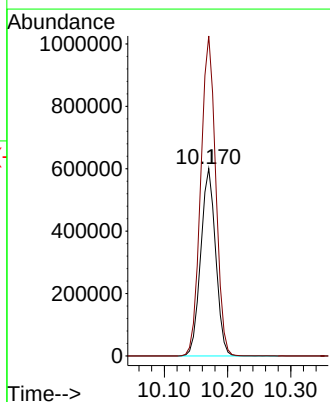
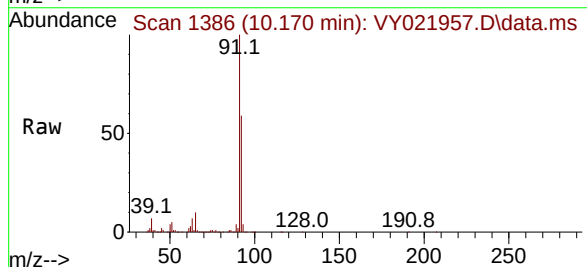
Manual Integrations
APPROVED

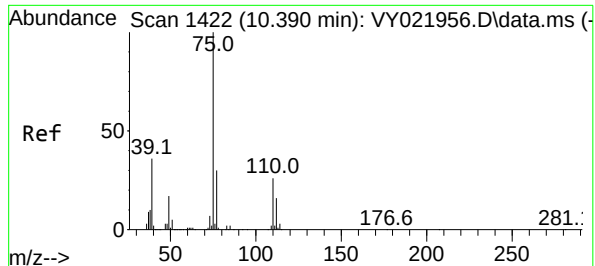
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 106.068 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 92 Resp: 986553
Ion Ratio Lower Upper
92 100
91 171.9 138.6 207.8





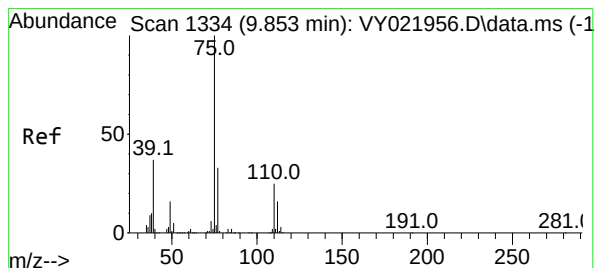
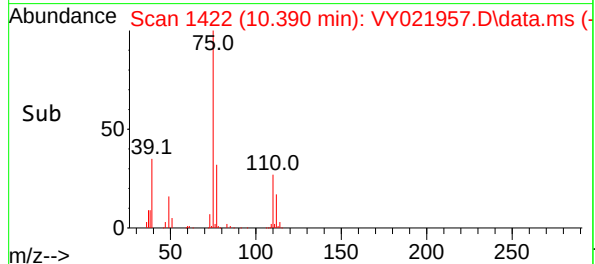
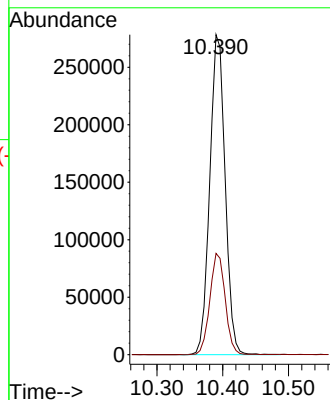
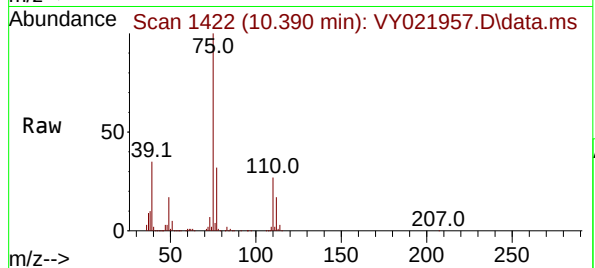
#53
t-1,3-Dichloropropene
Concen: 106.213 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 452714
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0

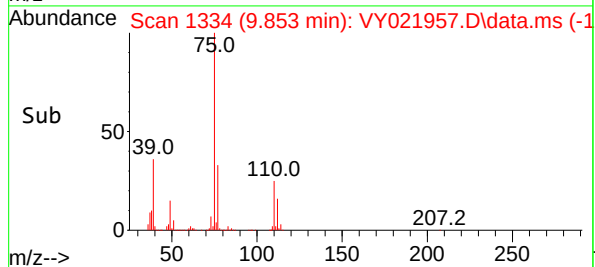
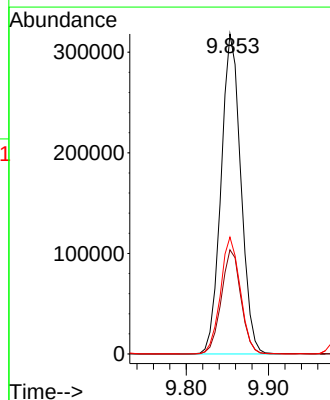
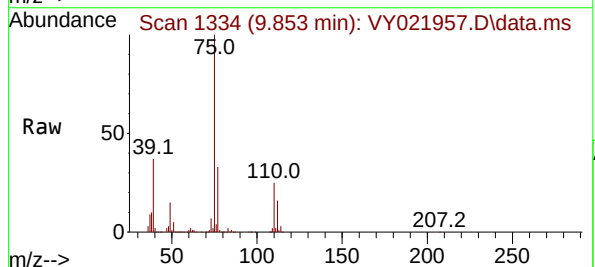
Manual Integrations
APPROVED

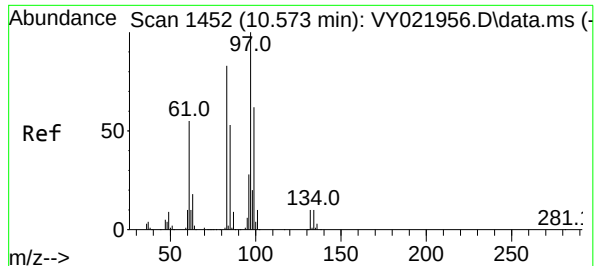
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 105.017 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

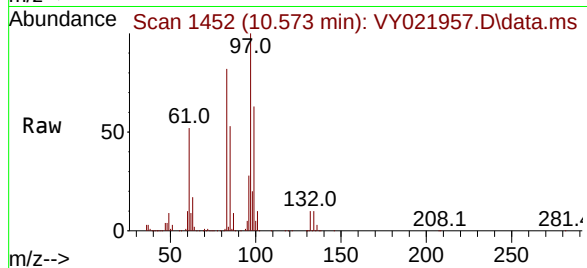
Tgt Ion: 75 Resp: 532092
Ion Ratio Lower Upper
75 100
77 32.5 26.6 40.0
39 36.5 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 100.667 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

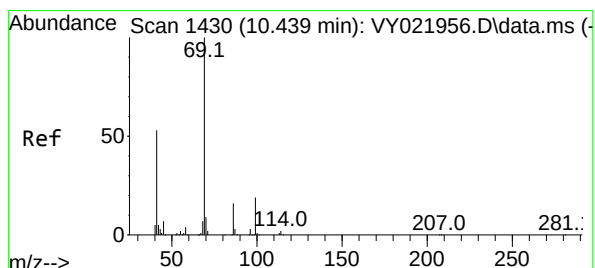
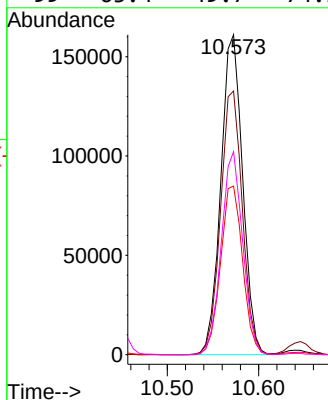
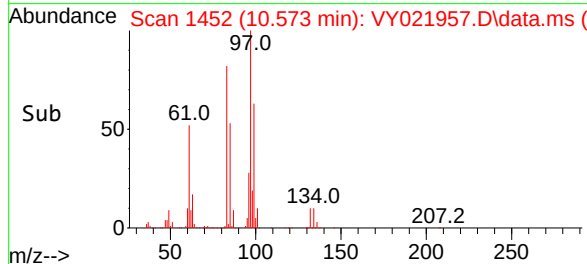
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



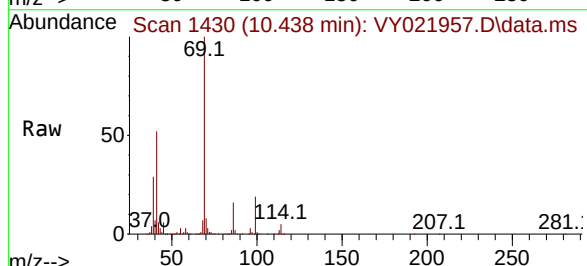
Tgt Ion: 97 Resp: 26747
Ion Ratio Lower Upper
97 100
83 82.4 66.7 100.1
85 52.7 42.6 64.0
99 63.4 49.7 74.5

Manual Integrations
APPROVED

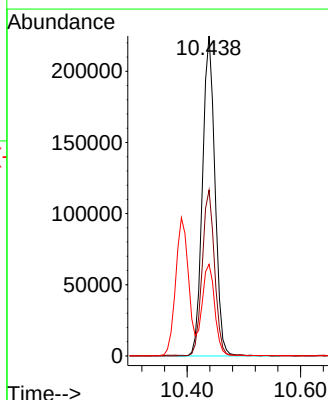
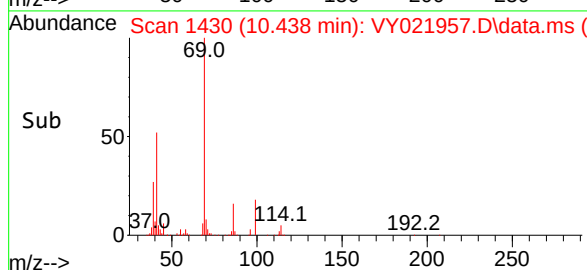
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

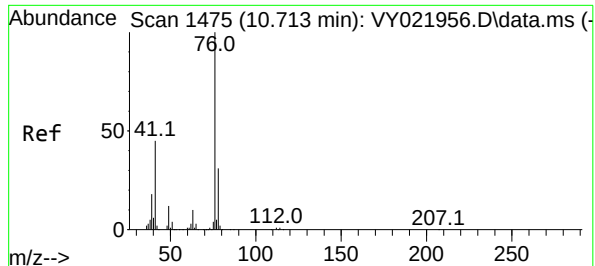


#56
Ethyl methacrylate
Concen: 113.068 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



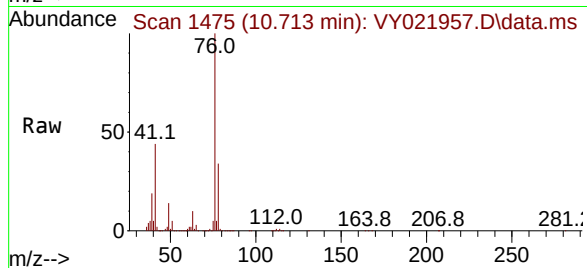
Tgt Ion: 69 Resp: 343556
Ion Ratio Lower Upper
69 100
41 51.2 40.7 61.1
39 28.9 23.3 34.9





#57
1,3-Dichloropropane
Concen: 101.498 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

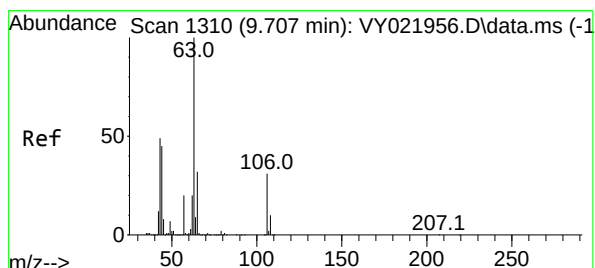
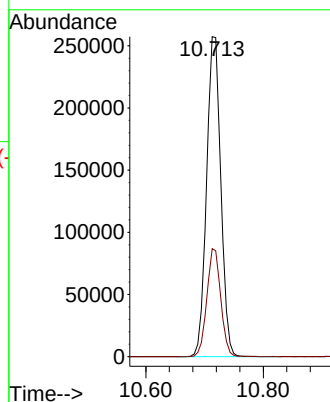
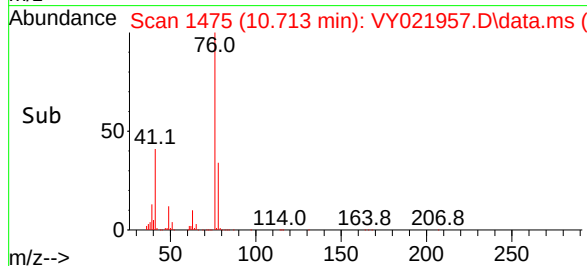
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 432340
Ion Ratio Lower Upper
76 100
78 33.0 26.6 39.8

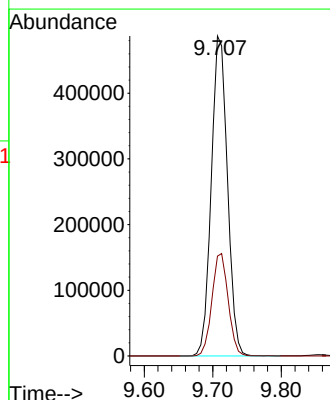
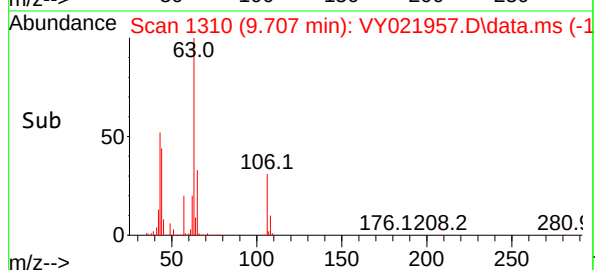
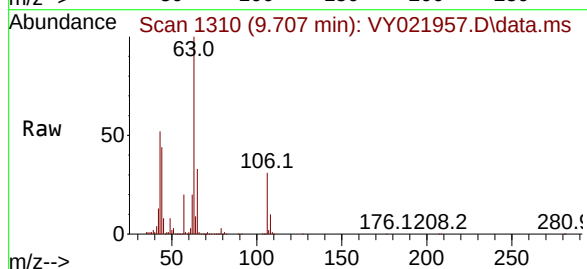
Manual Integrations
APPROVED

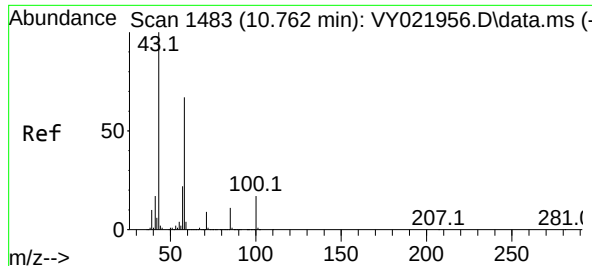
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 536.469 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

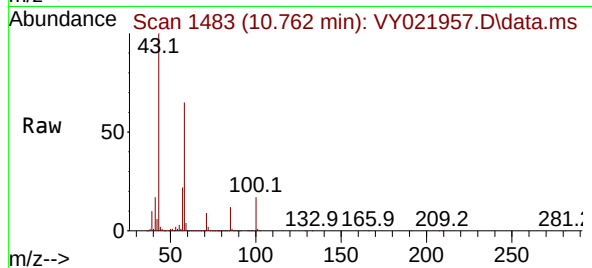
Tgt Ion: 63 Resp: 796991
Ion Ratio Lower Upper
63 100
106 32.1 25.3 37.9





#59
2-Hexanone
Concen: 523.558 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

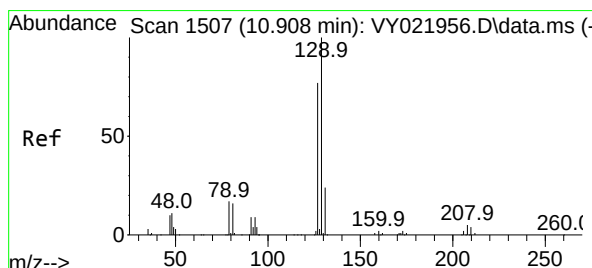
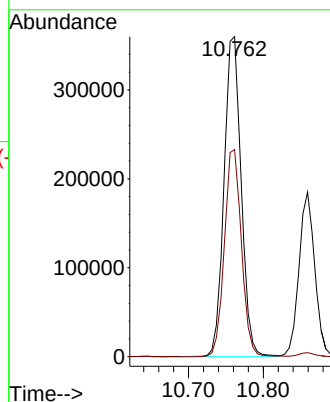
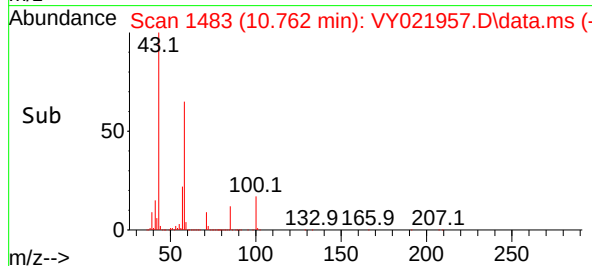
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 573925
Ion Ratio Lower Upper
43 100
58 64.5 32.0 96.0

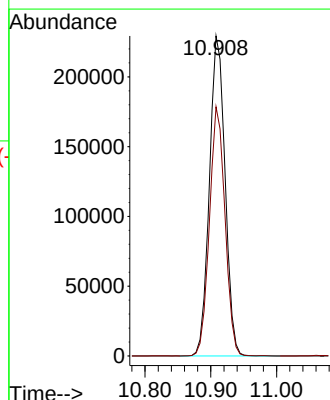
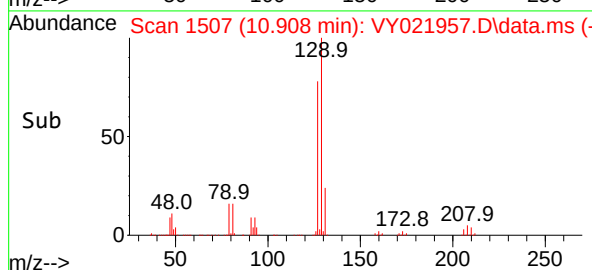
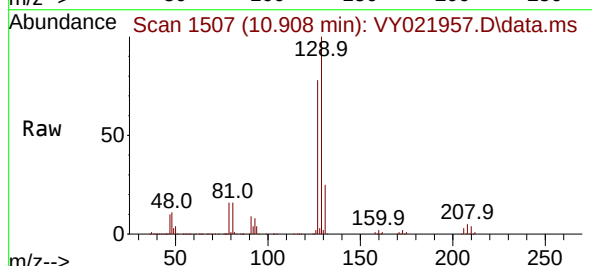
Manual Integrations
APPROVED

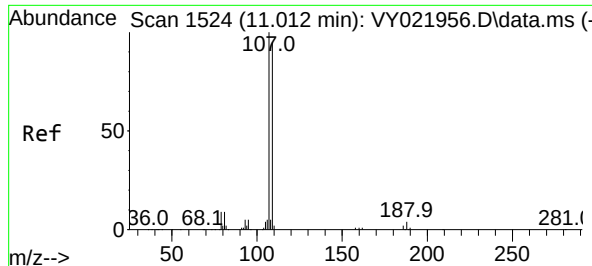
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 103.302 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

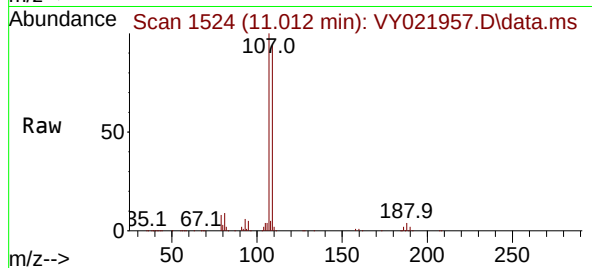
Tgt Ion:129 Resp: 380014
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61
1,2-Dibromoethane
Concen: 102.087 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

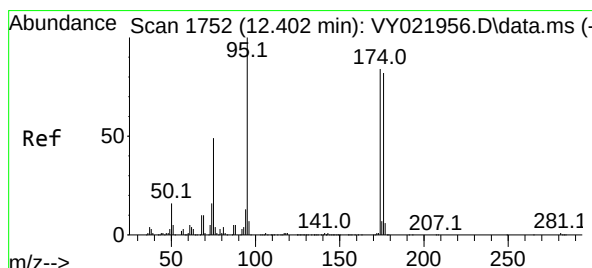
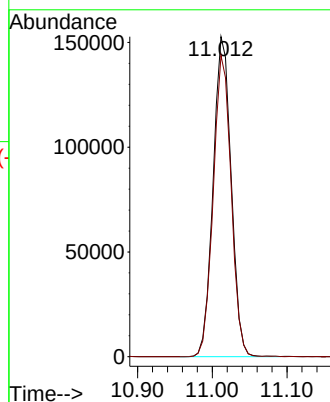
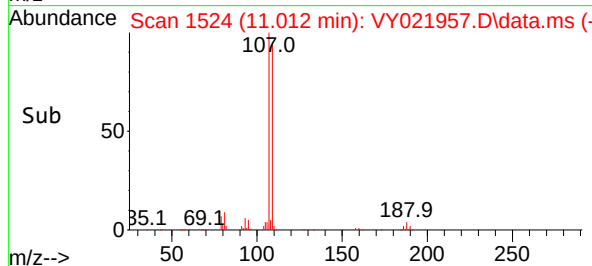
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 256079
Ion Ratio Lower Upper
107 100
109 93.3 75.8 113.8

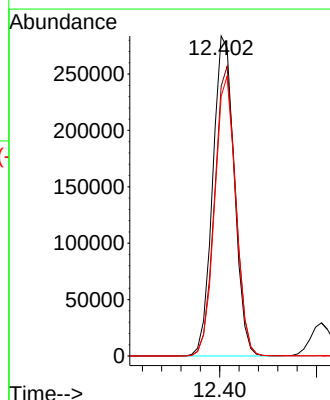
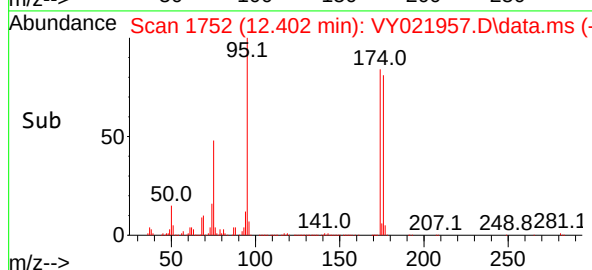
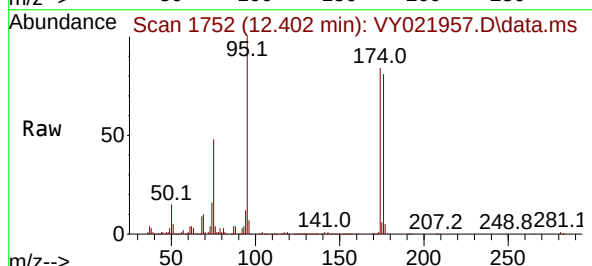
Manual Integrations
APPROVED

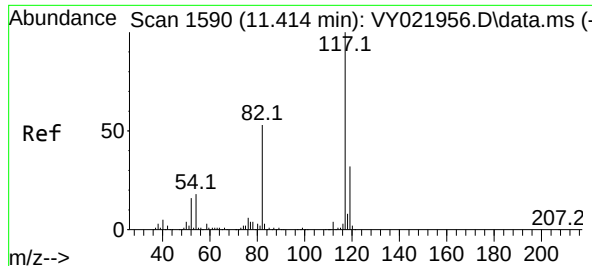
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 100.832 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

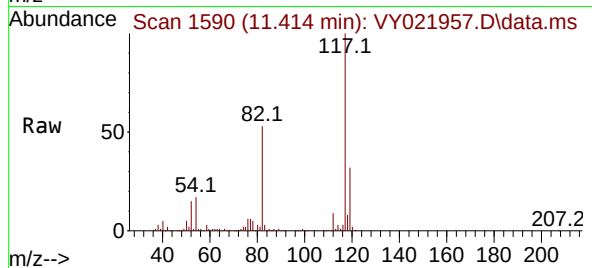
Tgt Ion: 95 Resp: 437911
Ion Ratio Lower Upper
95 100
174 88.8 0.0 179.0
176 85.8 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

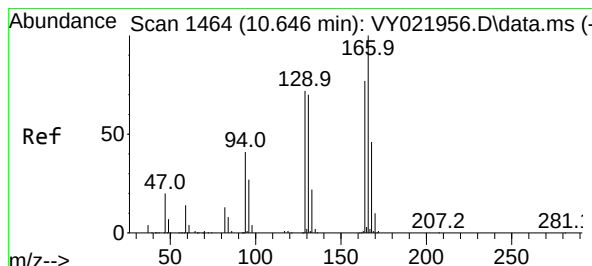
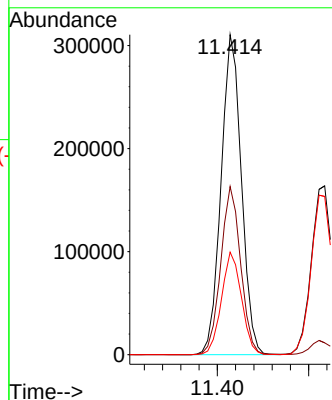
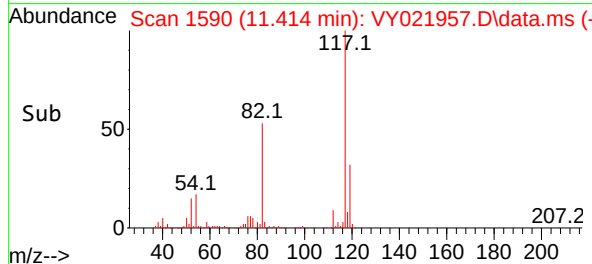
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



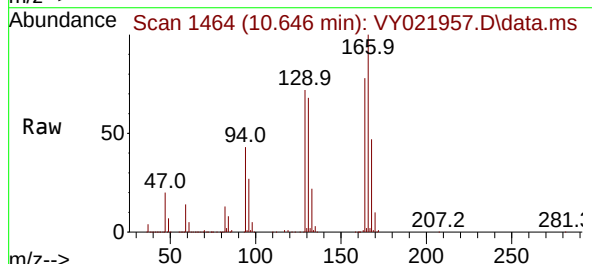
Tgt Ion:117 Resp: 479774
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.1 25.7 38.5

Manual Integrations
APPROVED

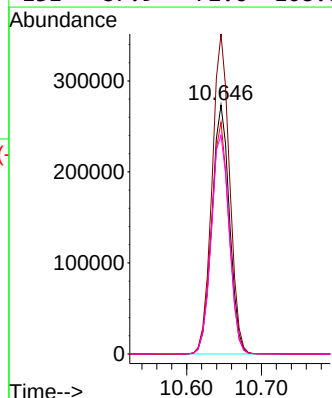
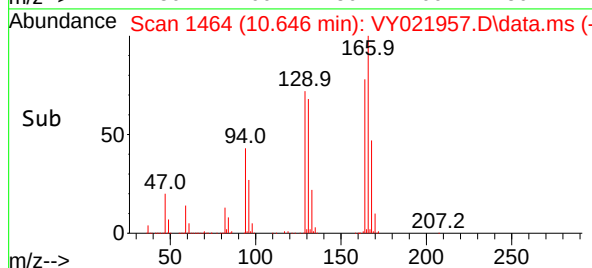
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

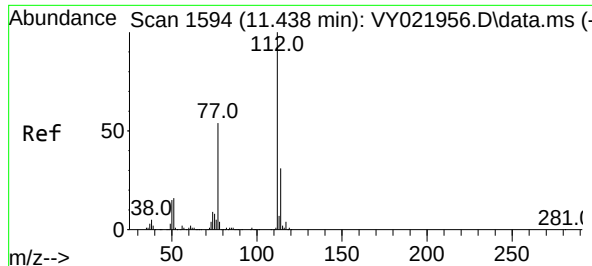


#64
Tetrachloroethene
Concen: 98.761 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



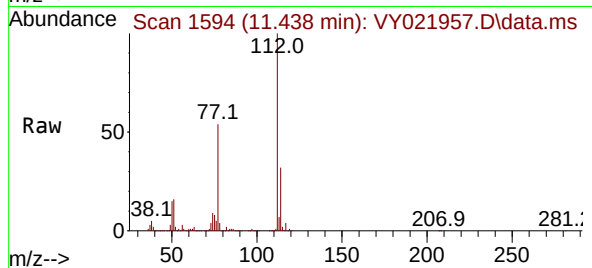
Tgt Ion:164 Resp: 446995
Ion Ratio Lower Upper
164 100
166 128.5 103.6 155.4
129 93.1 74.2 111.4
131 87.9 72.6 108.8





#65
Chlorobenzene
Concen: 101.831 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

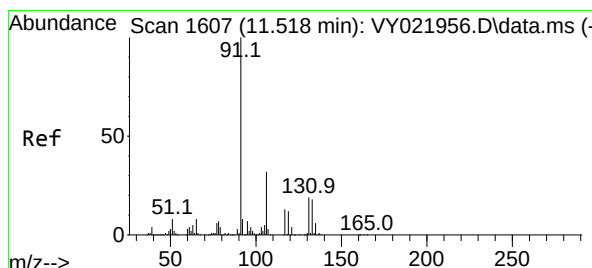
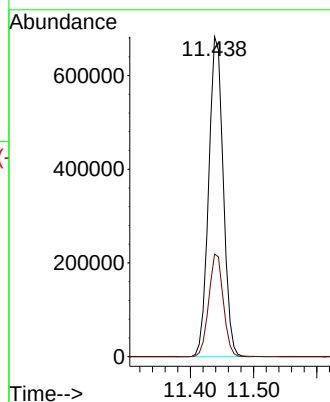
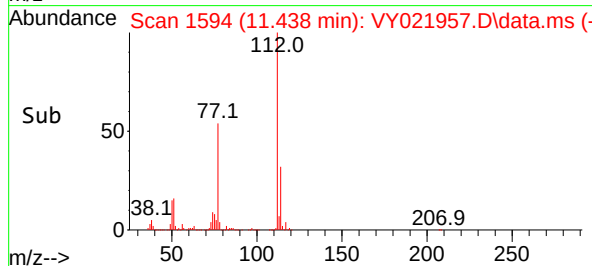
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 109254
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

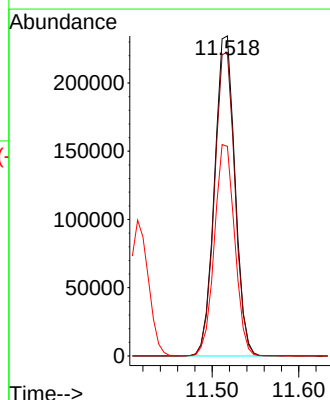
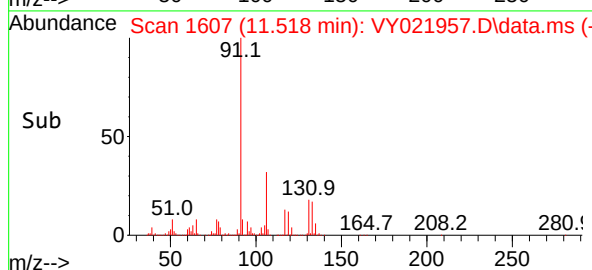
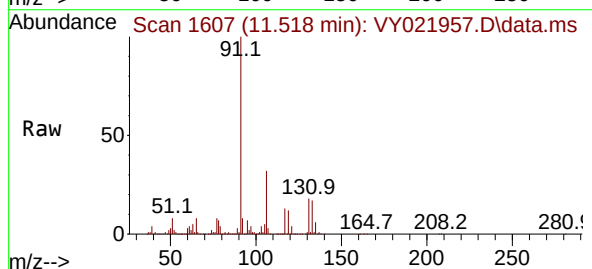
Manual Integrations
APPROVED

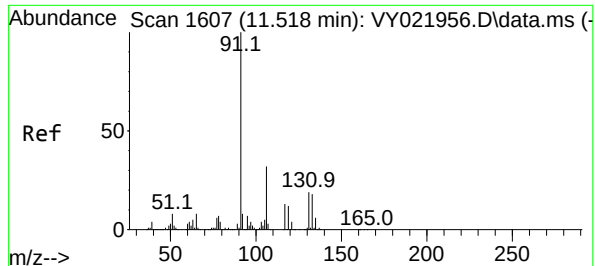
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 101.907 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

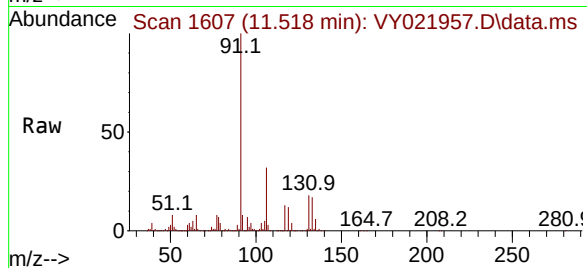
Tgt Ion:131 Resp: 384924
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 65.6 32.4 97.0





#67
Ethyl Benzene
Concen: 108.806 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

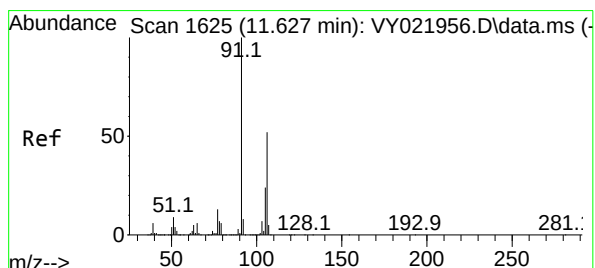
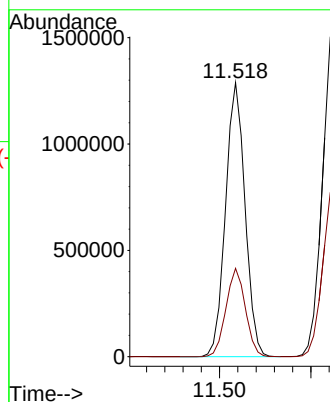
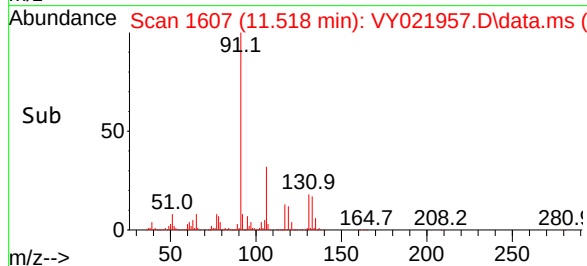
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



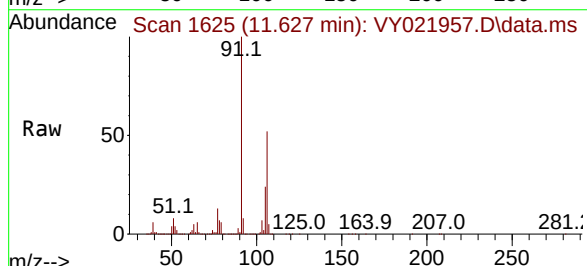
Tgt Ion: 91 Resp: 1909638
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9

Manual Integrations
APPROVED

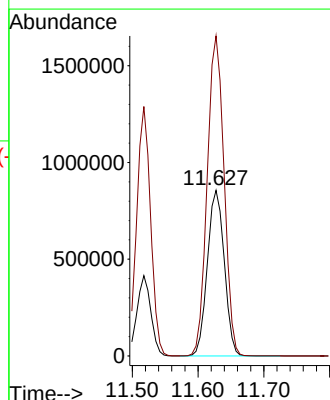
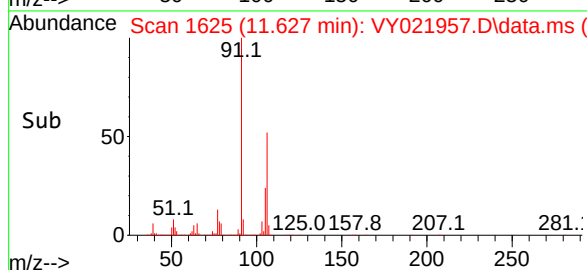
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

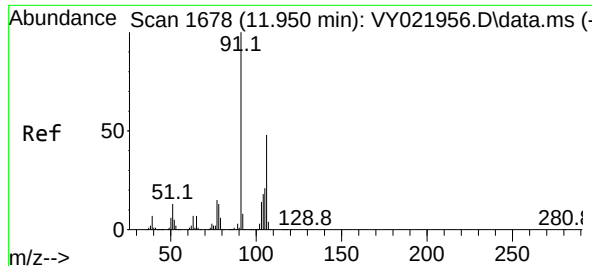


#68
m/p-Xylenes
Concen: 218.926 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



Tgt Ion:106 Resp: 1528954
Ion Ratio Lower Upper
106 100
91 192.6 156.2 234.2





#69

o-Xylene

Concen: 111.334 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 716652

Ion Ratio Lower Upper

106 100

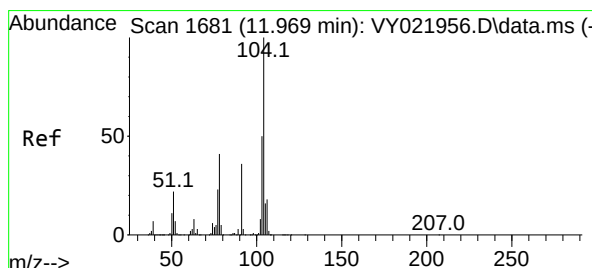
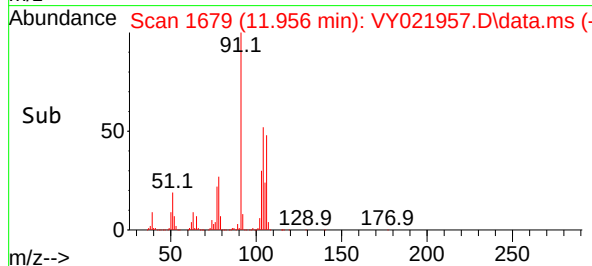
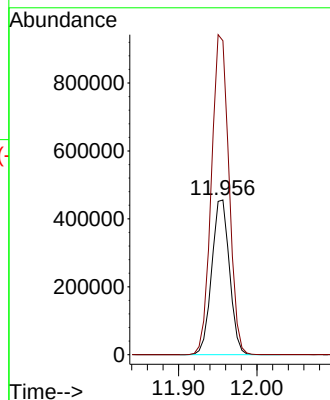
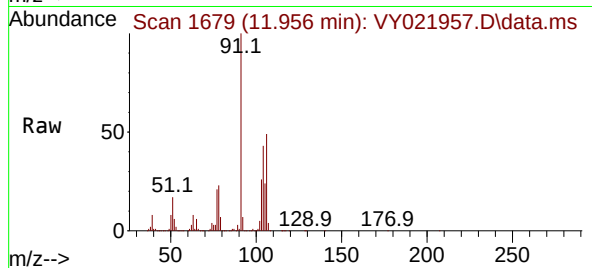
91 204.4 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#70

Styrene

Concen: 112.940 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

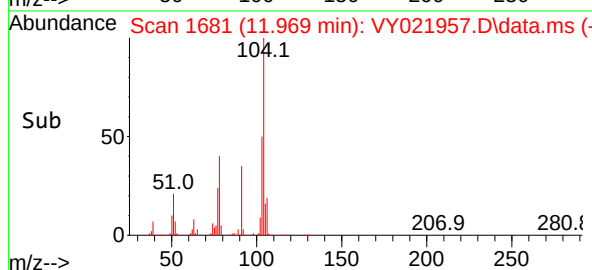
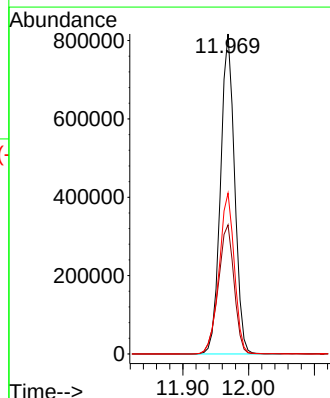
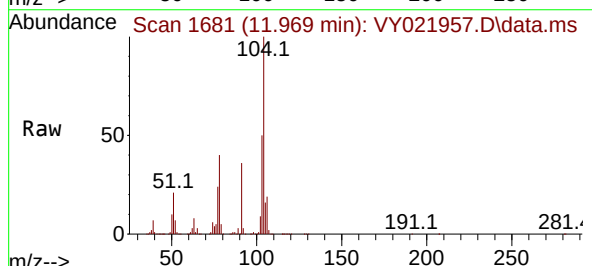
Tgt Ion:104 Resp: 1220634

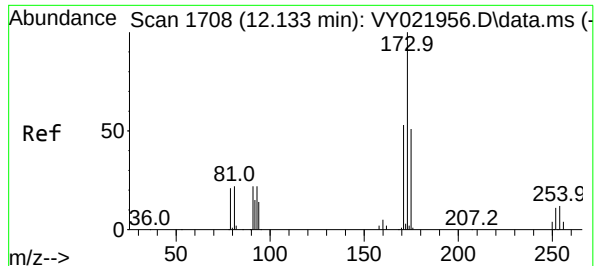
Ion Ratio Lower Upper

104 100

78 45.4 36.6 54.8

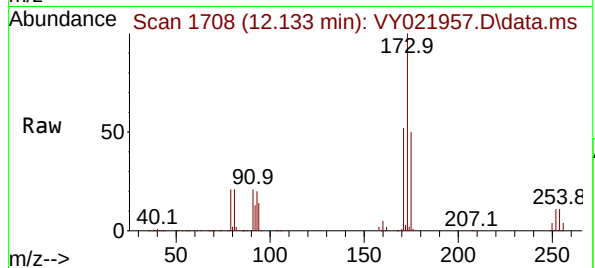
103 54.4 43.8 65.8





#71
Bromoform
Concen: 102.945 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

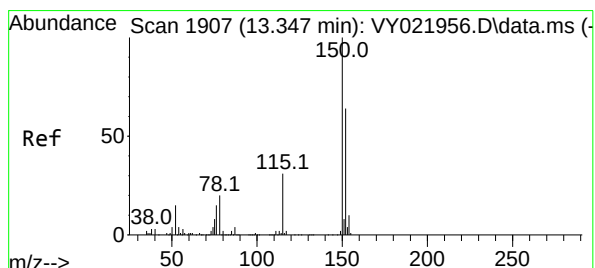
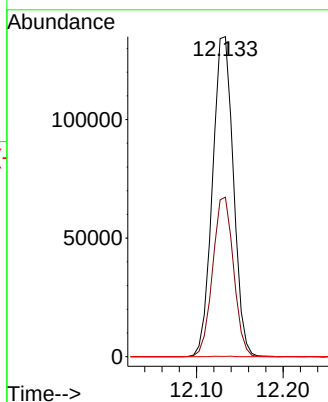
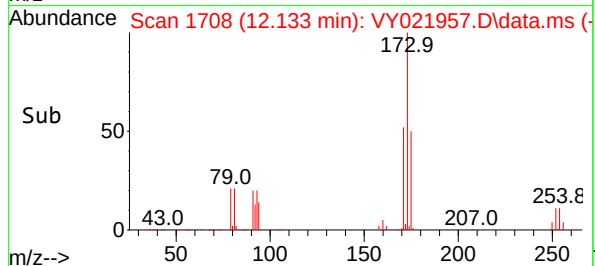
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



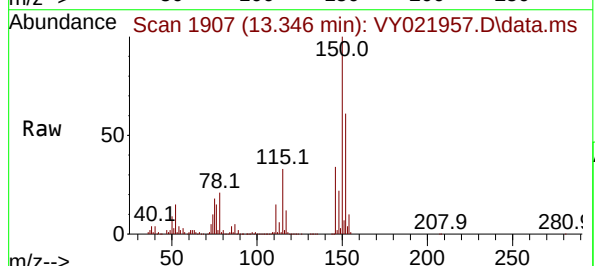
Tgt Ion:173 Resp: 226072
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.1 0.0 0.0

Manual Integrations
APPROVED

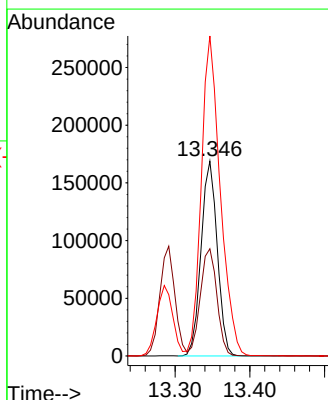
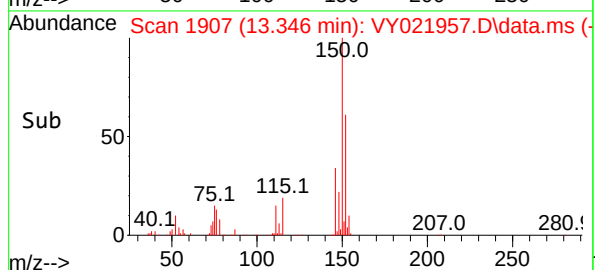
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

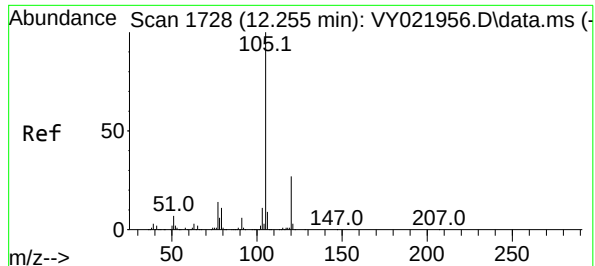


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



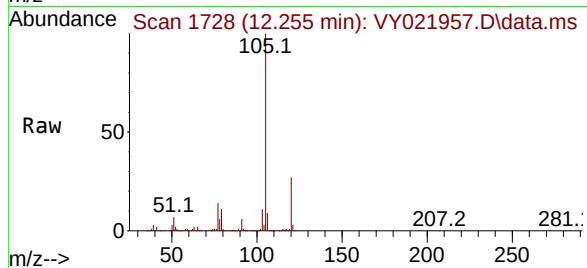
Tgt Ion:152 Resp: 253936
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 192.4 0.0 345.6





#73
Isopropylbenzene
Concen: 108.944 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

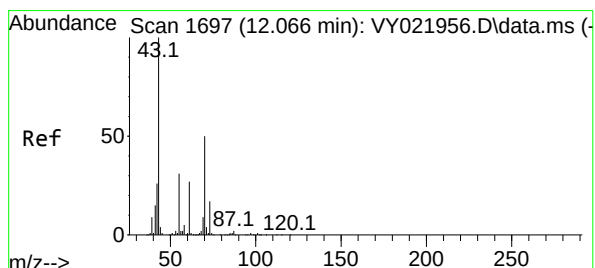
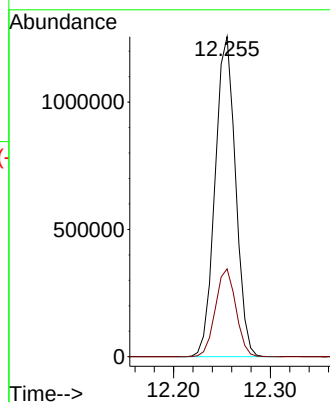
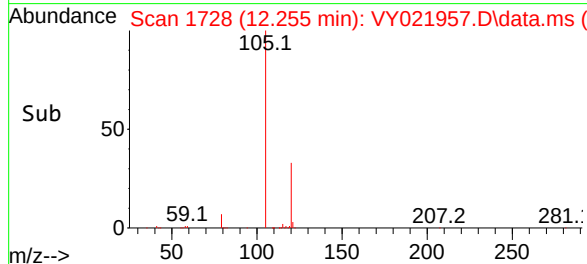
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 105 Resp: 1848300
Ion Ratio Lower Upper
105 100
120 27.5 13.5 40.5

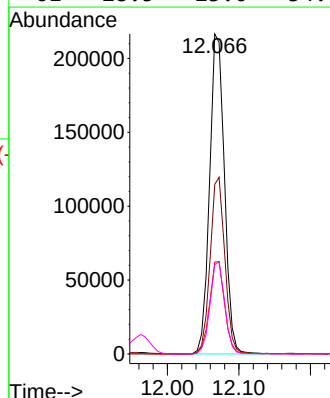
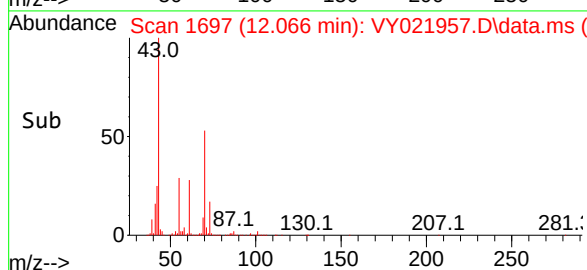
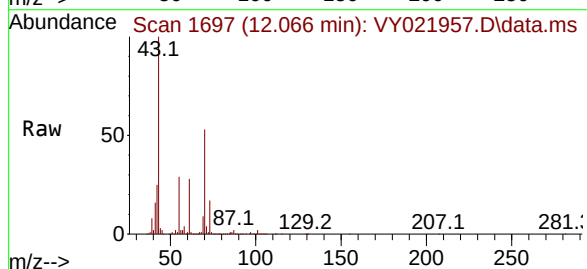
Manual Integrations
APPROVED

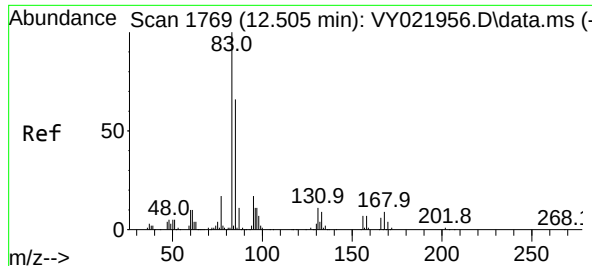
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 107.236 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 312577
Ion Ratio Lower Upper
43 100
70 55.0 43.2 64.8
55 29.7 25.7 38.5
61 28.5 23.0 34.6





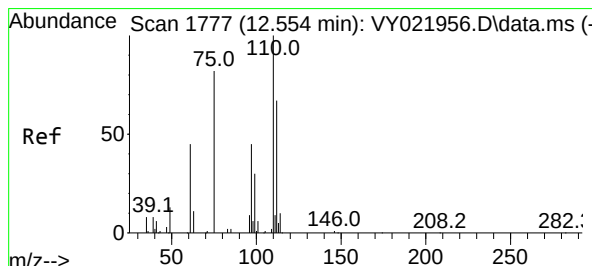
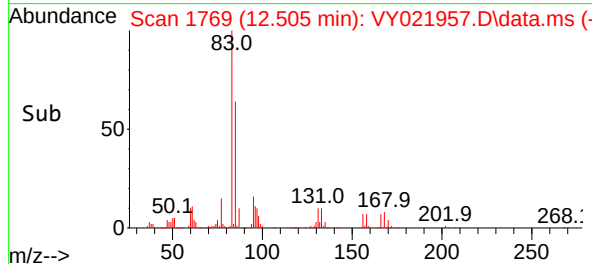
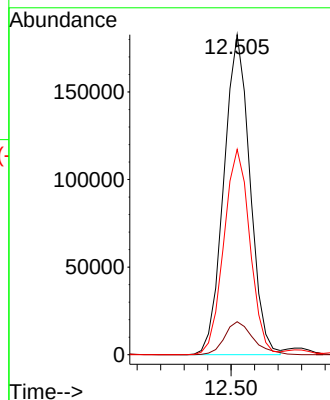
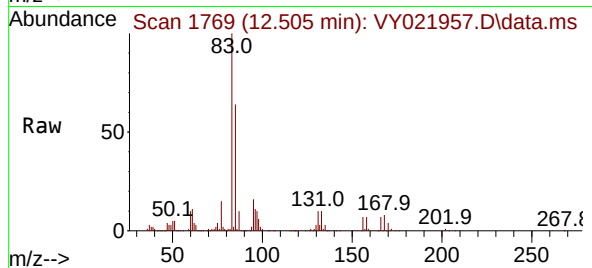
#75
1,1,2,2-Tetrachloroethane
Concen: 98.509 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281769
Ion Ratio Lower Upper
83 100
131 11.2 5.5 16.4
85 64.3 32.3 96.8

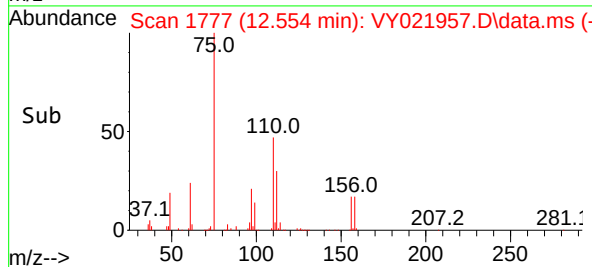
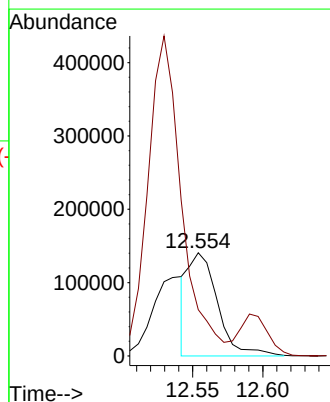
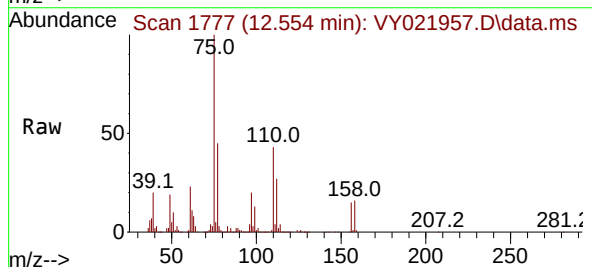
Manual Integrations
APPROVED

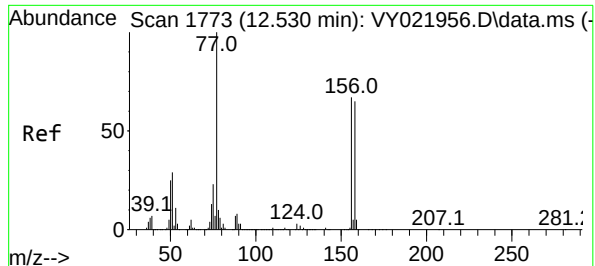
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 92.537 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

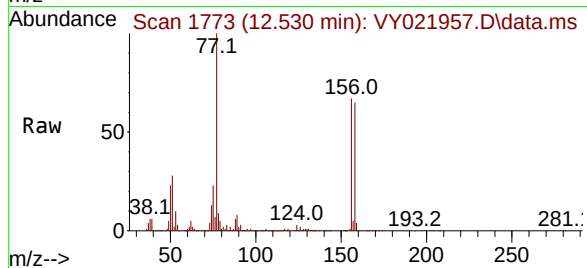
Tgt Ion: 75 Resp: 207056
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 105.415 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

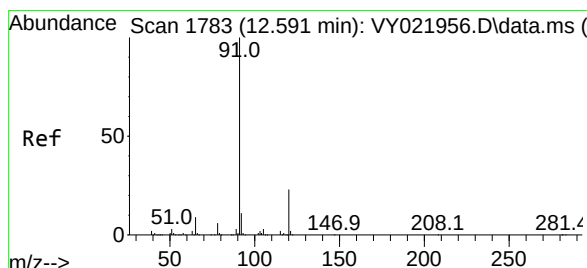
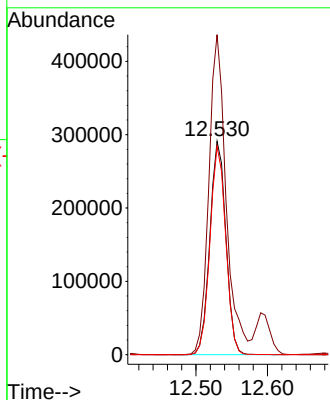
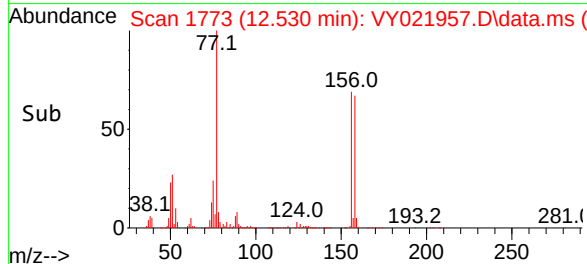
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



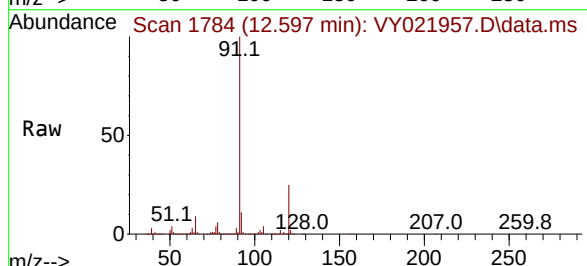
Tgt Ion: 156 Resp: 451911
Ion Ratio Lower Upper
156 100
77 161.7 82.7 248.1
158 96.5 48.1 144.4

Manual Integrations
APPROVED

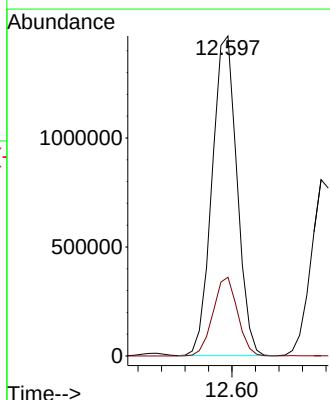
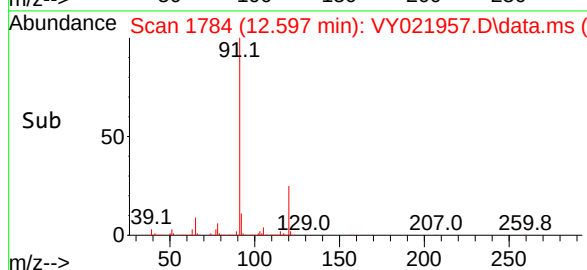
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

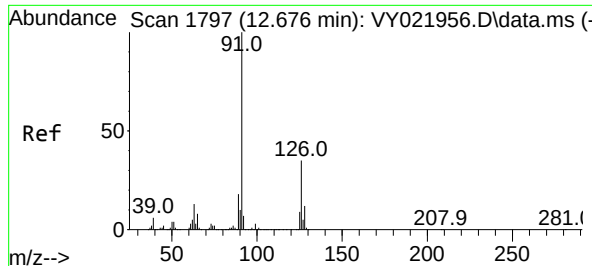


#78
n-propylbenzene
Concen: 107.039 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



Tgt Ion: 91 Resp: 2162620
Ion Ratio Lower Upper
91 100
120 24.2 11.9 35.5





#79

2-Chlorotoluene

Concen: 105.231 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 123645

Ion Ratio Lower Upper

91 100

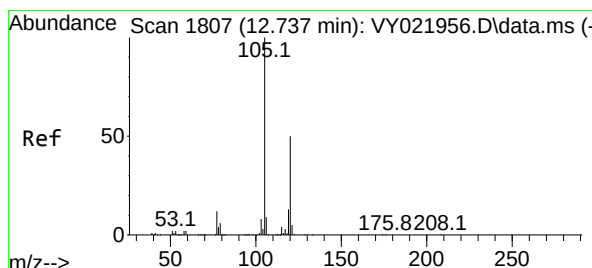
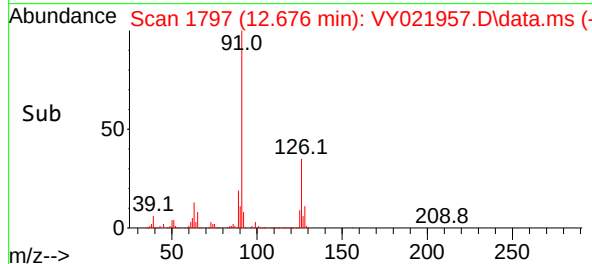
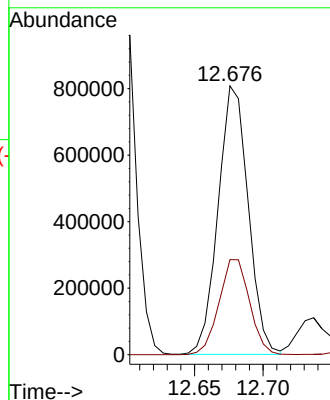
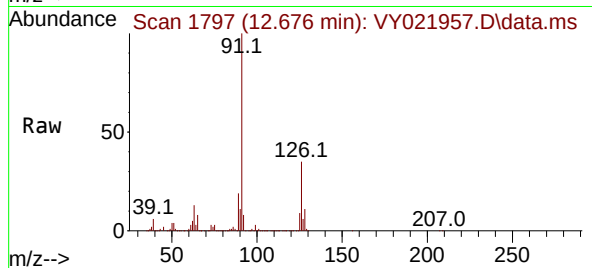
126 36.0 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 108.183 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021957.D

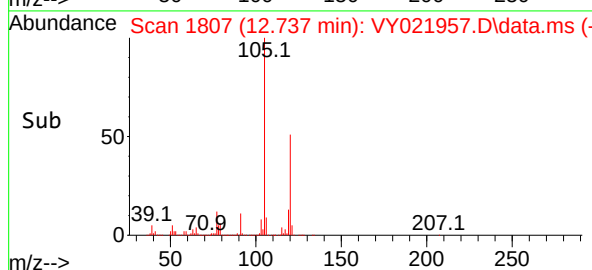
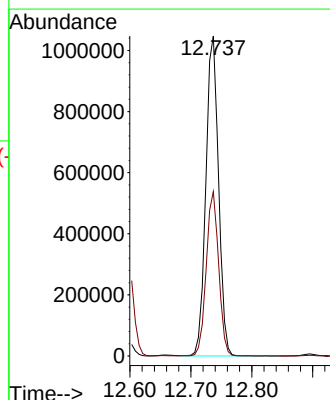
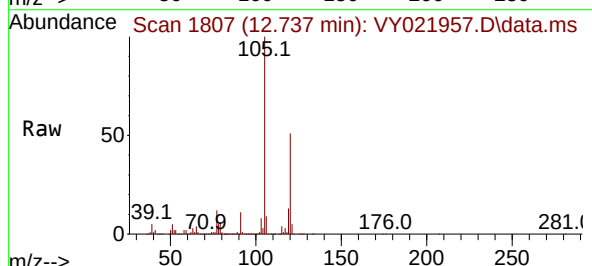
Acq: 22 Apr 2025 15:52

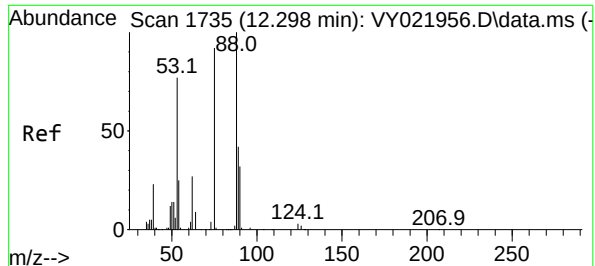
Tgt Ion:105 Resp: 1512269

Ion Ratio Lower Upper

105 100

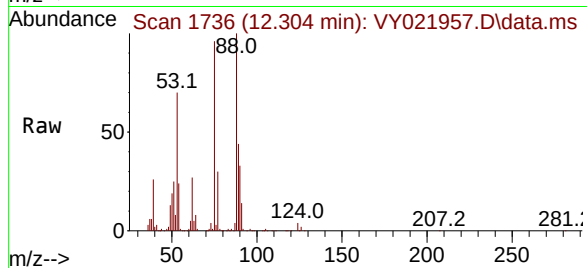
120 50.3 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 101.673 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

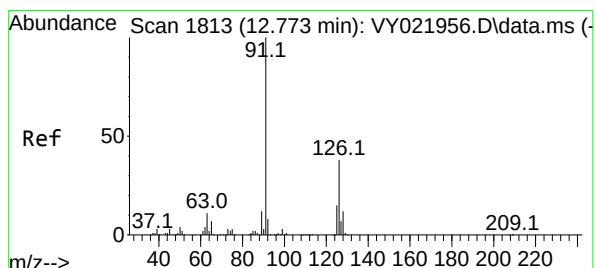
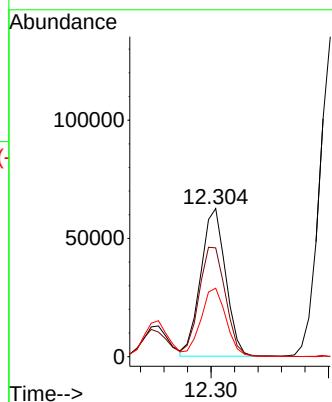
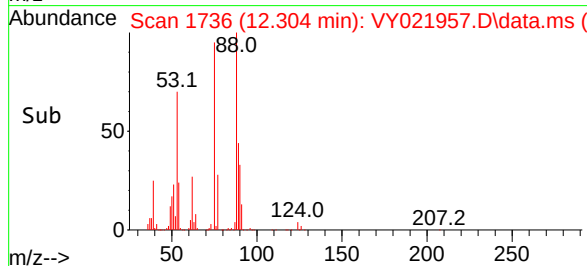
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 91833
Ion Ratio Lower Upper
75 100
53 79.2 66.0 99.0
89 47.2 37.2 55.8

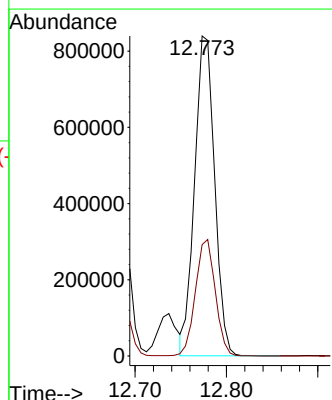
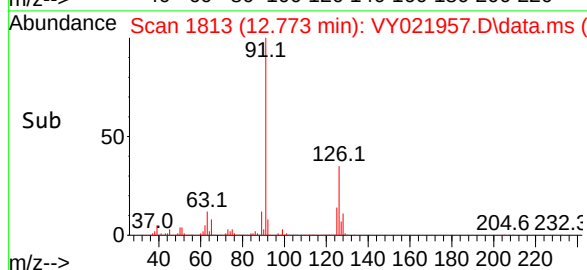
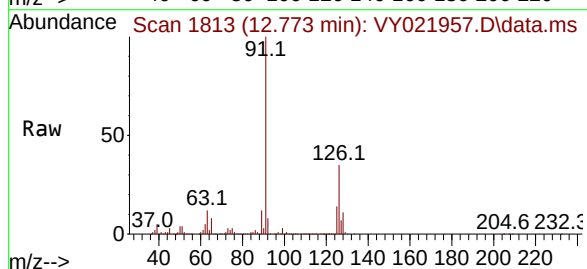
Manual Integrations
APPROVED

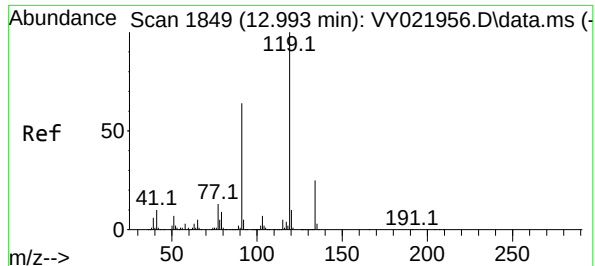
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 104.825 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

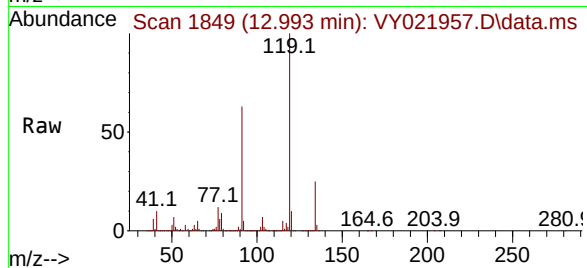
Tgt Ion: 91 Resp: 1280377
Ion Ratio Lower Upper
91 100
126 36.3 17.9 53.8





#83
tert-Butylbenzene
Concen: 110.389 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

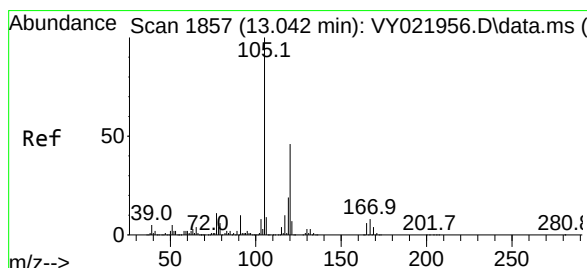
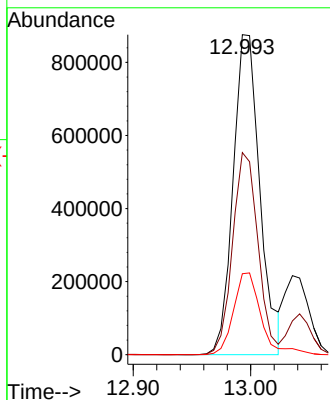
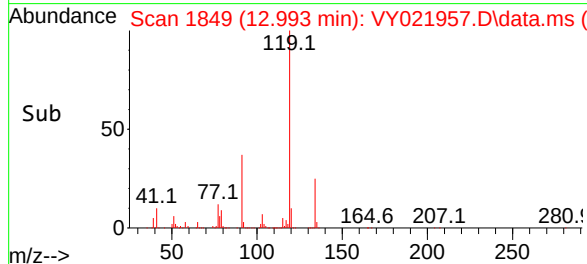
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 138392
Ion Ratio Lower Upper
119 100
91 60.3 30.3 90.9
134 26.3 12.9 38.7

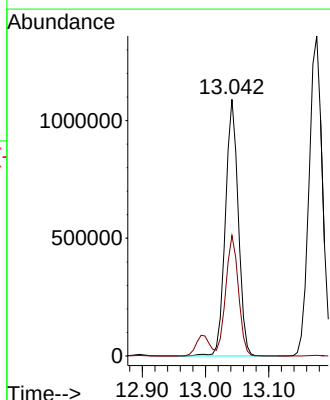
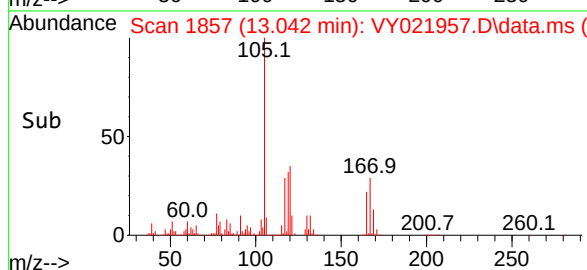
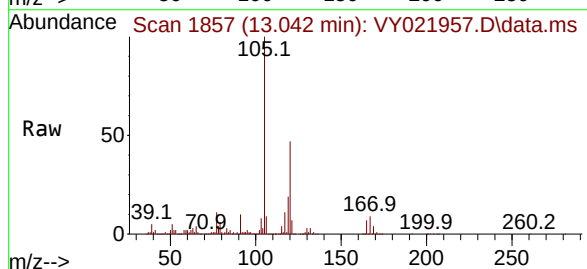
Manual Integrations
APPROVED

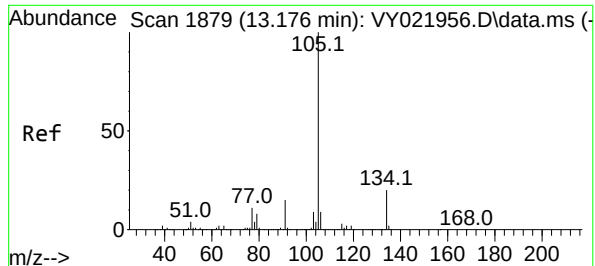
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84
1,2,4-Trimethylbenzene
Concen: 109.940 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 1537175
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 107.920 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 197982

Ion Ratio Lower Upper

105 100

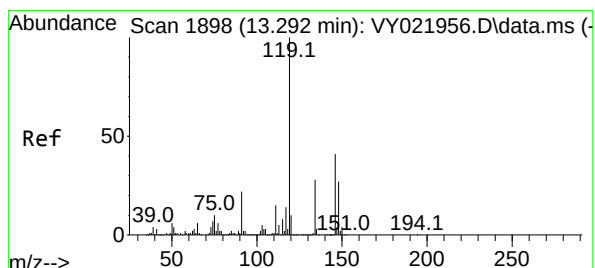
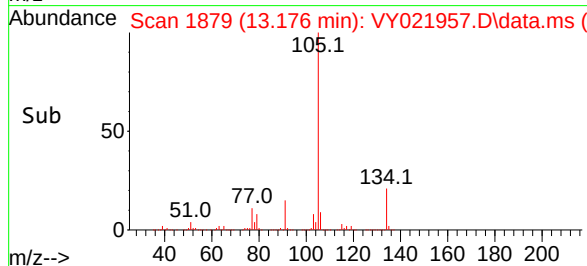
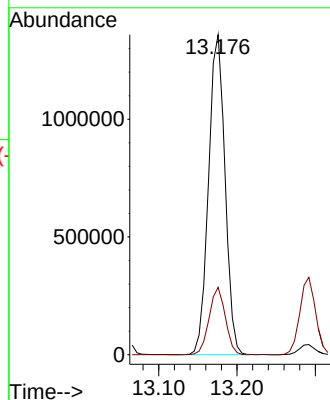
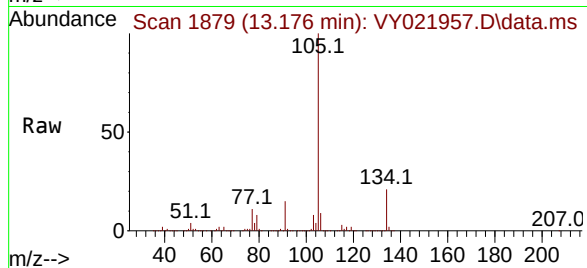
134 20.7 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#86

p-Isopropyltoluene

Concen: 110.405 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

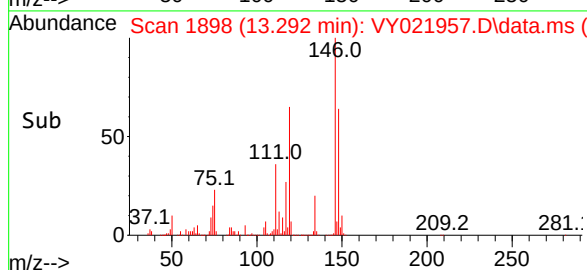
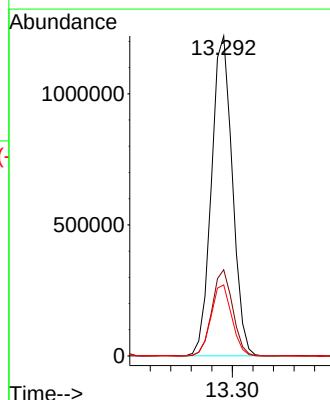
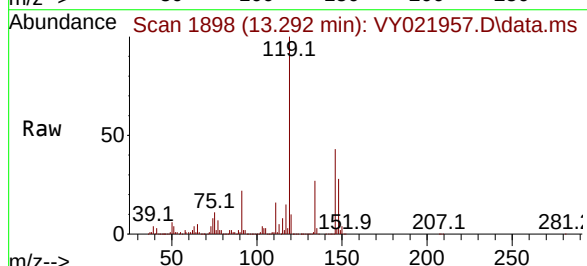
Tgt Ion:119 Resp: 1719877

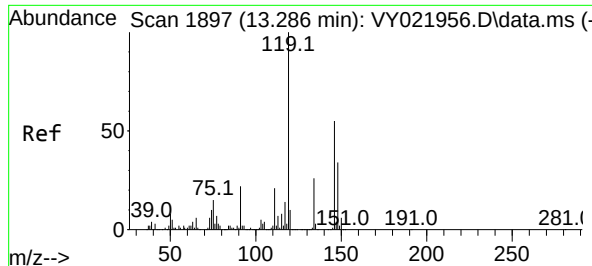
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

91 22.1 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 104.350 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

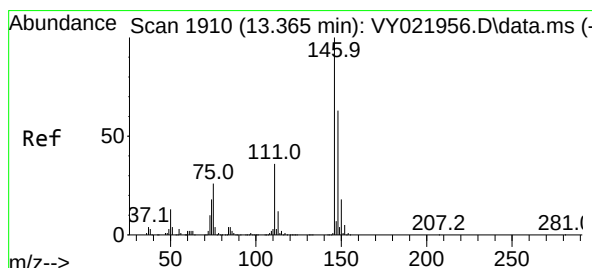
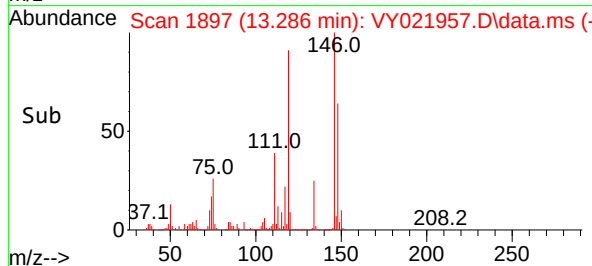
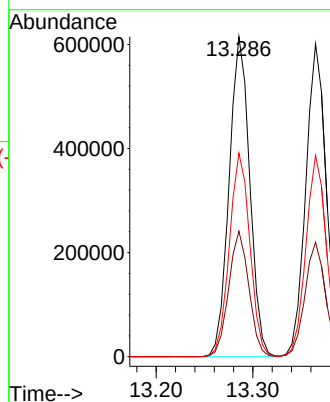
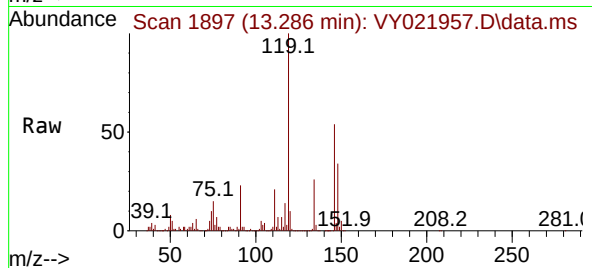
ClientSampleId :

VSTDIC100

Tgt Ion:146	Resp: 90857
Ion Ratio	Lower Upper
146	100
111	38.4 19.1 57.5
148	63.3 32.0 96.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 102.083 ug/l

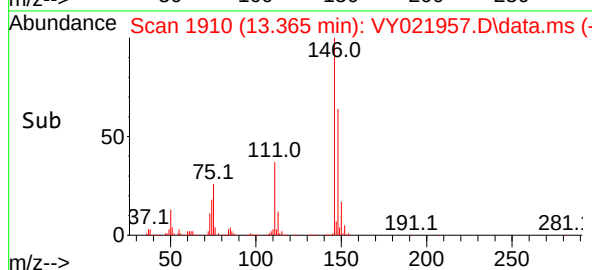
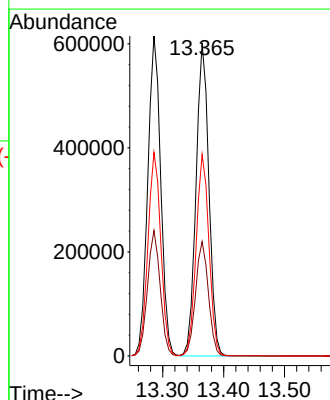
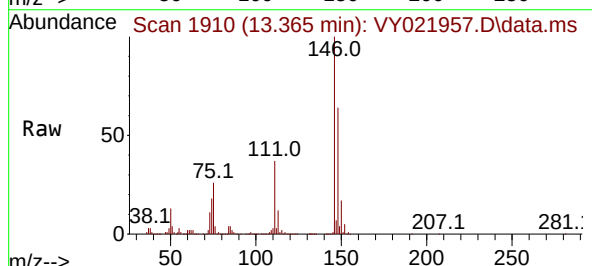
RT: 13.365 min Scan# 1910

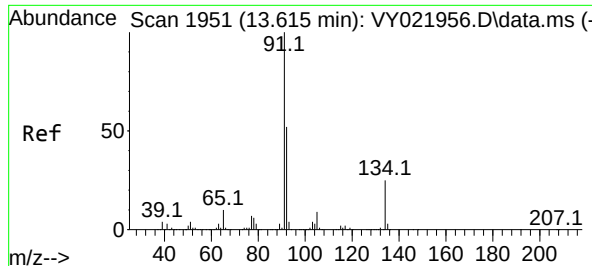
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion:146	Resp: 880300
Ion Ratio	Lower Upper
146	100
111	36.6 19.2 57.6
148	64.3 32.0 96.0





#89

n-Butylbenzene

Concen: 108.535 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1511238

Ion Ratio Lower Upper

91 100

92 54.0 26.5 79.5

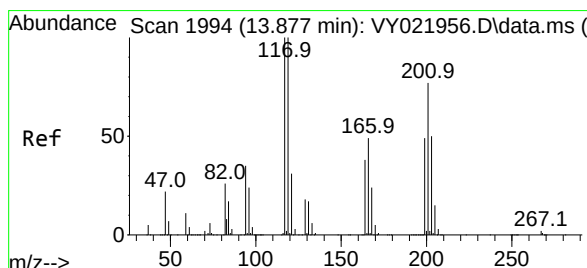
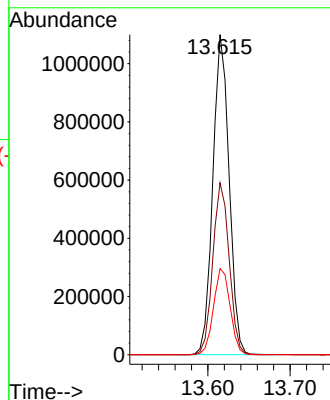
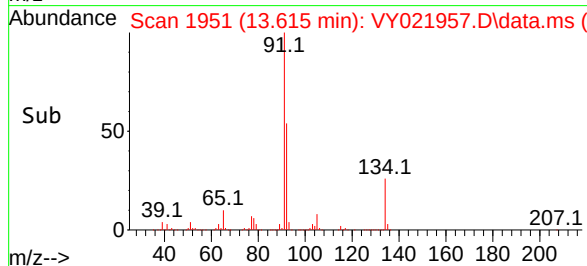
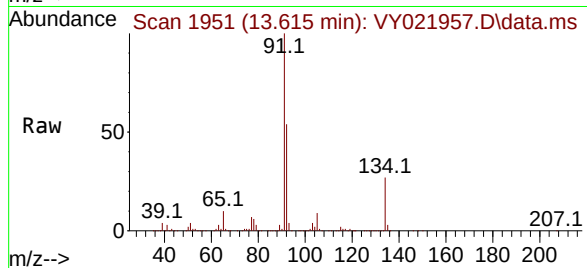
134 27.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 102.221 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY021957.D

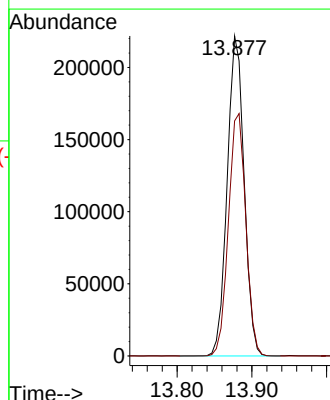
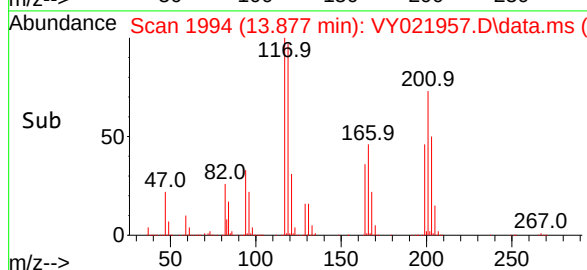
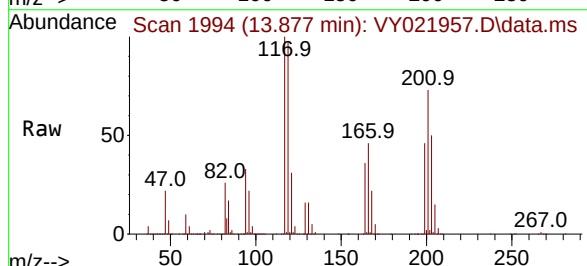
Acq: 22 Apr 2025 15:52

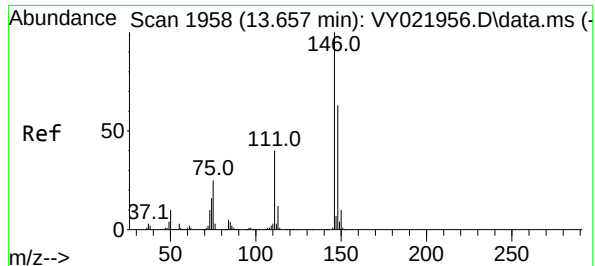
Tgt Ion:117 Resp: 349860

Ion Ratio Lower Upper

117 100

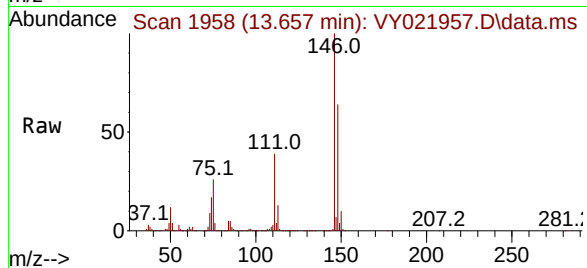
201 77.9 38.7 116.1





#91
1,2-Dichlorobenzene
Concen: 102.789 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

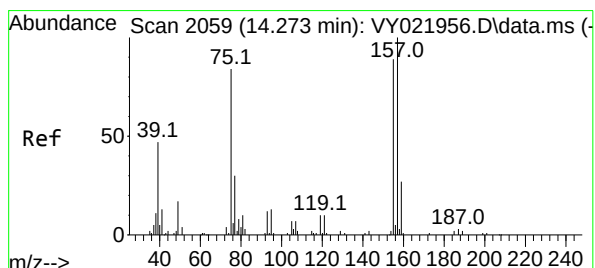
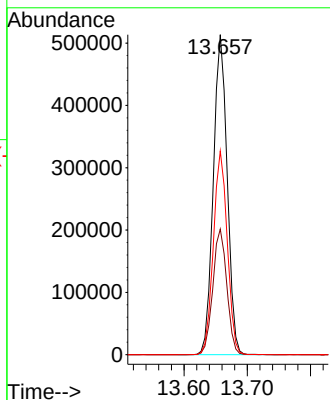
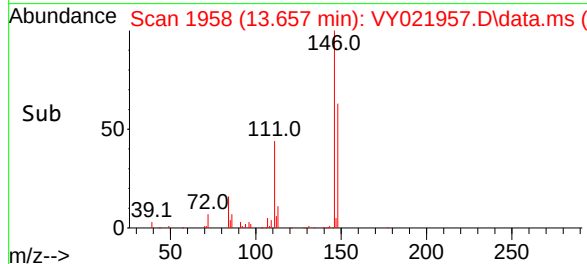
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



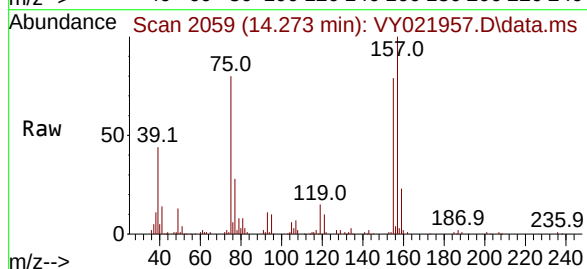
Tgt Ion:146 Resp: 780600
Ion Ratio Lower Upper
146 100
111 39.6 19.7 59.1
148 63.8 32.1 96.3

Manual Integrations
APPROVED

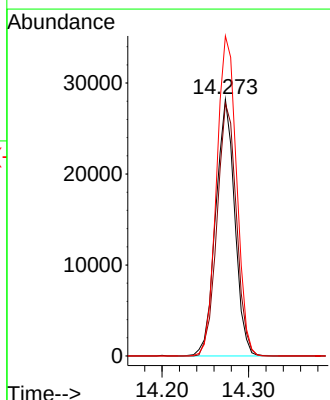
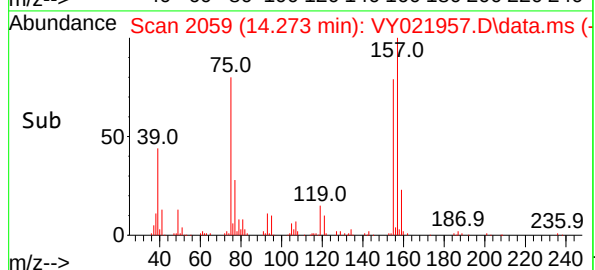
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

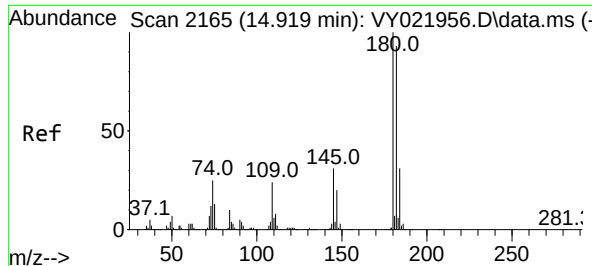


#92
1,2-Dibromo-3-Chloropropane
Concen: 94.503 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



Tgt Ion: 75 Resp: 43006
Ion Ratio Lower Upper
75 100
155 99.9 50.7 152.3
157 130.7 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 114.465 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 492590

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.4

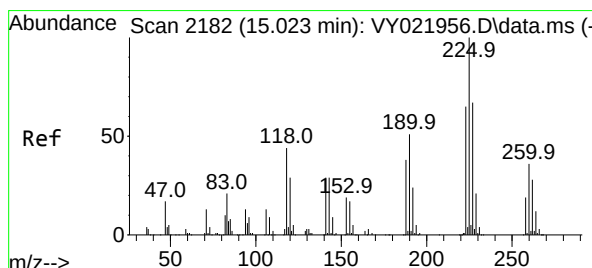
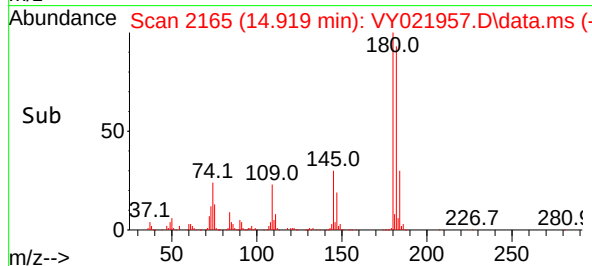
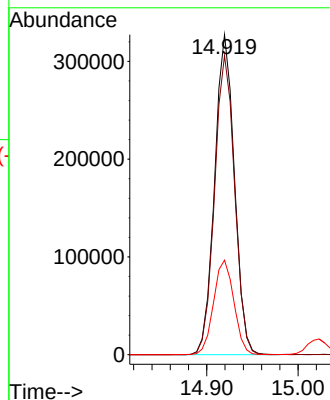
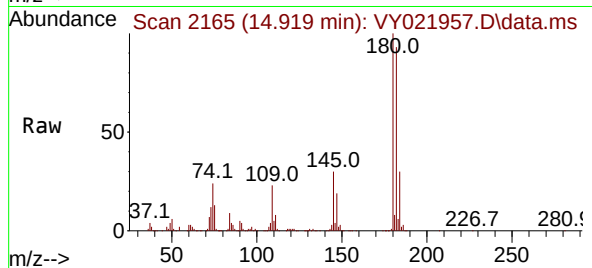
145 30.3 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 106.397 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

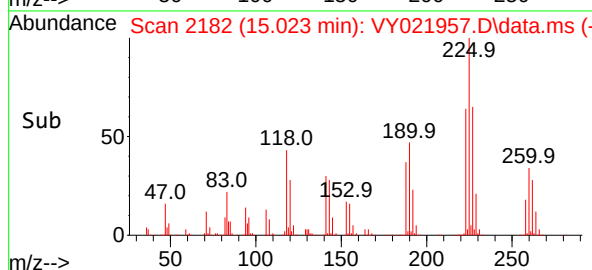
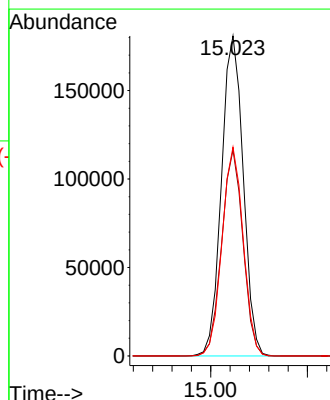
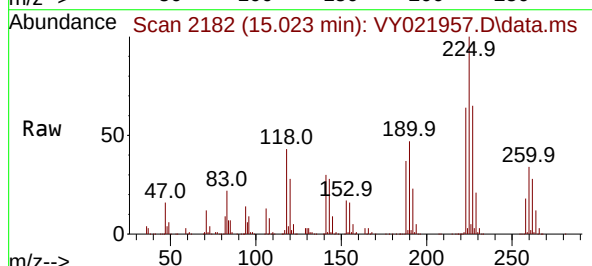
Tgt Ion:225 Resp: 281711

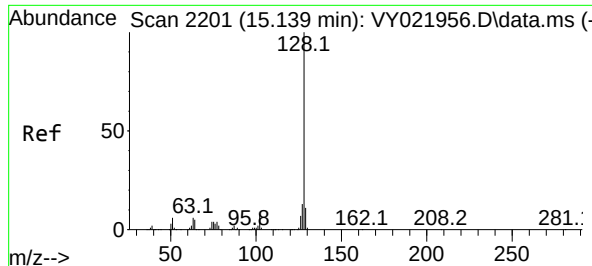
Ion Ratio Lower Upper

225 100

223 62.9 31.9 95.5

227 63.6 32.3 96.9





#95

Naphthalene

Concen: 120.033 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

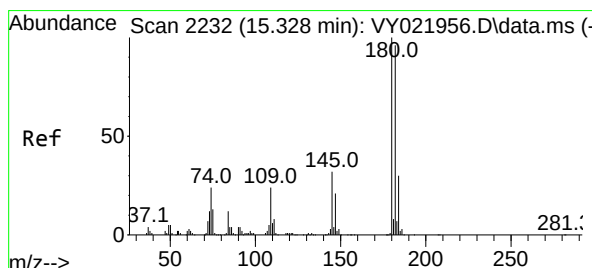
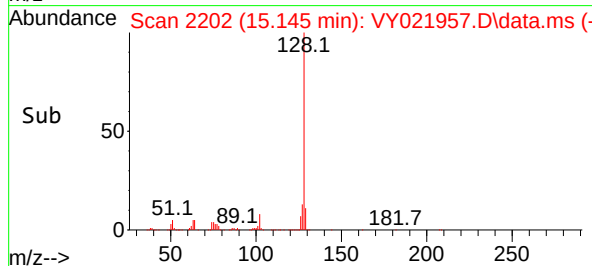
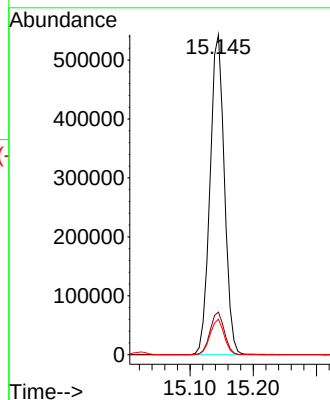
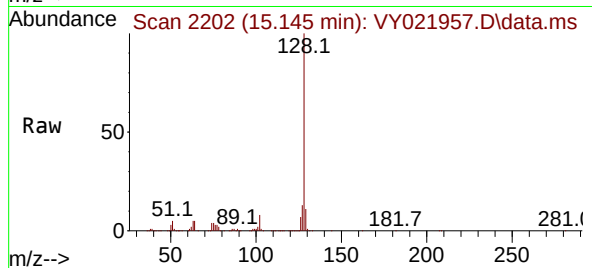
VSTDIC100

Tgt Ion:128	Resp: 858079
Ion Ratio	Lower Upper
128 100	
127 13.2	10.6 16.0
129 10.9	8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 113.294 ug/l

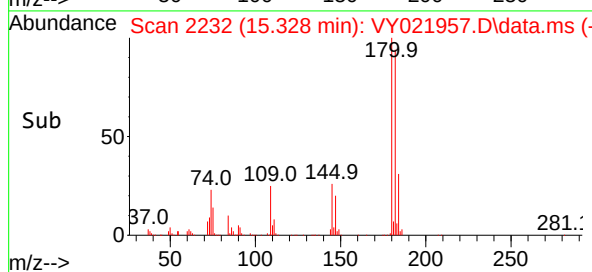
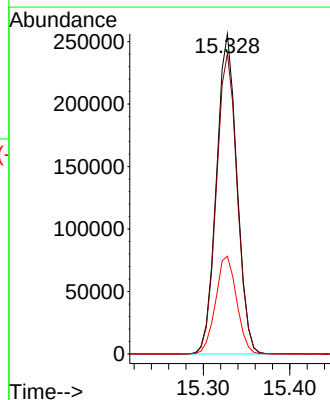
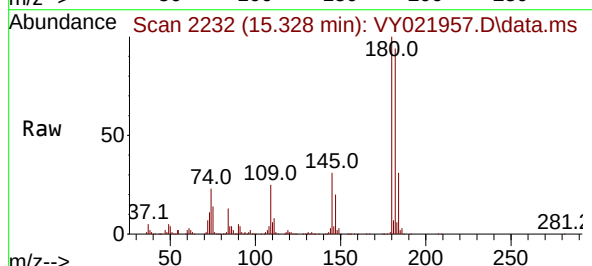
RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion:180	Resp: 420859
Ion Ratio	Lower Upper
180 100	
182 95.1	48.1 144.4
145 31.4	16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 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: Apr 23 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 277.320%#	
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 296.620%#	
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 303.780%#	
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 305.940%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l #	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l	100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l #	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l	99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l	100
46) Dibromomethane	9.225	93	300473	145.844	ug/l	99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l	100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l	97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l	99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l	99
52) Toluene	10.170	92	1470005	152.593	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l	99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l	99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l	98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l	99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l	100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l	100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l	99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l	100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l	99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l	99
69) o-Xylene	11.950	106	1079036	160.131	ug/l	99
70) Styrene	11.969	104	1821333	160.979	ug/l	100
71) Bromoform	12.127	173	345783	150.413	ug/l #	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l	99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l	
77) Bromobenzene	12.530	156	677176	156.545	ug/l	98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l	99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l	98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l	99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l	100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l	99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l	98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l	99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l	99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l	99
95) Naphthalene	15.145	128	1336140	185.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 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: Apr 23 02:13:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:02:03 2025

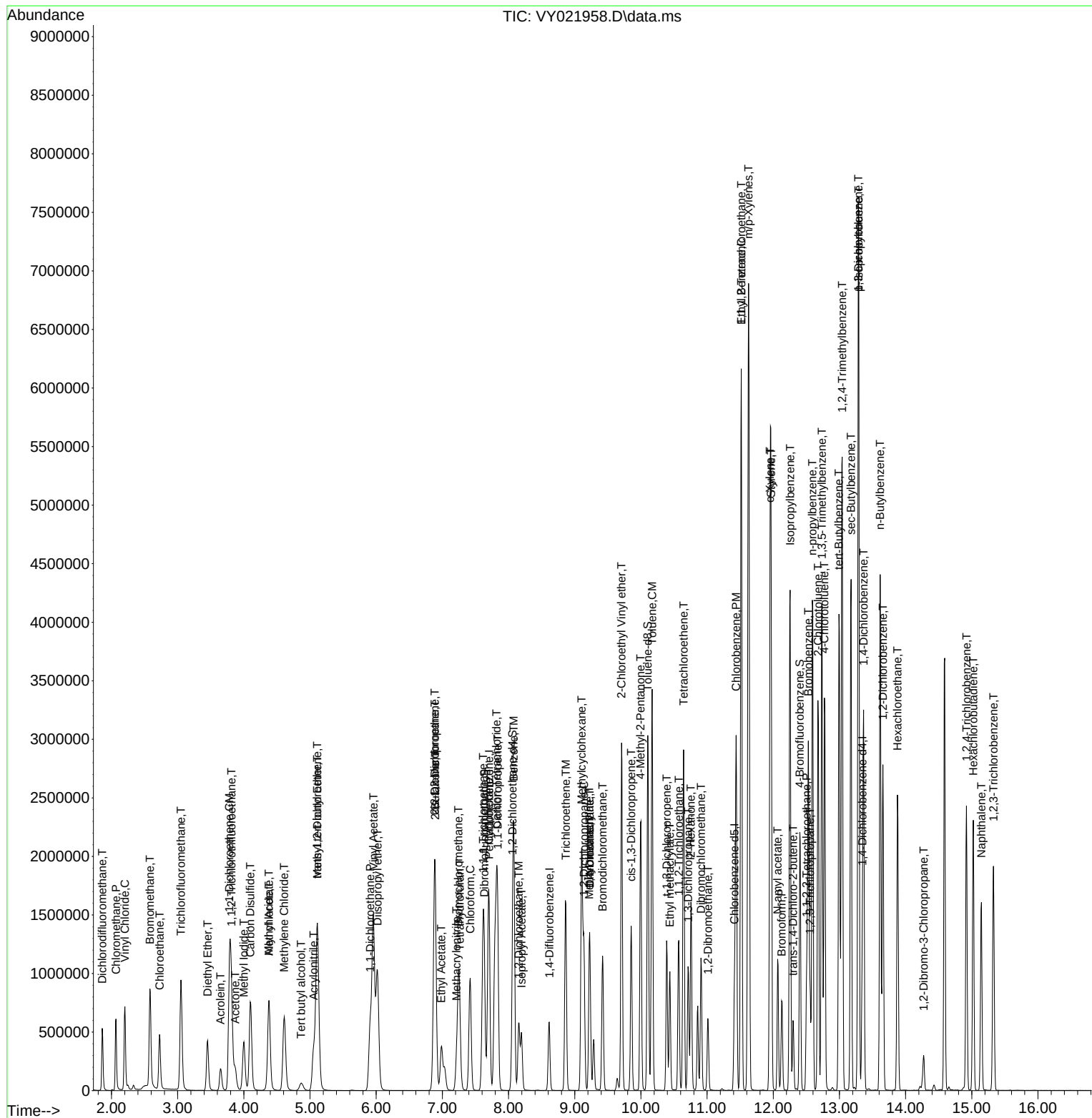
Response via : Initial Calibration

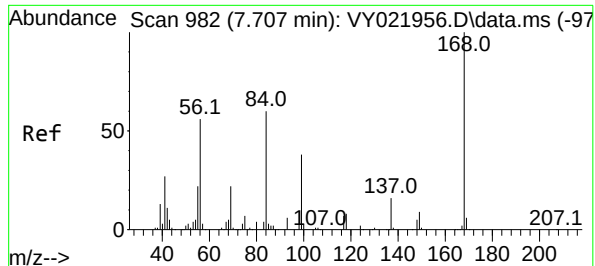
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025





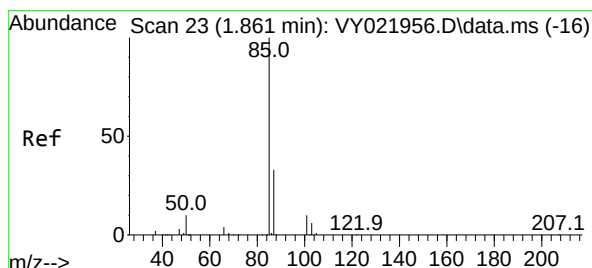
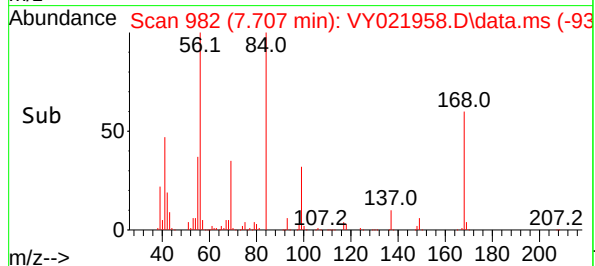
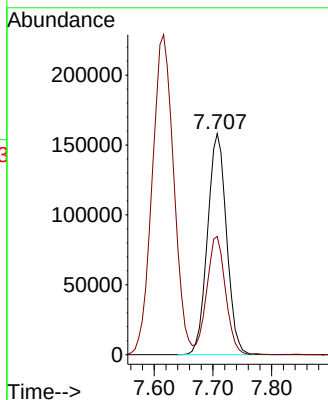
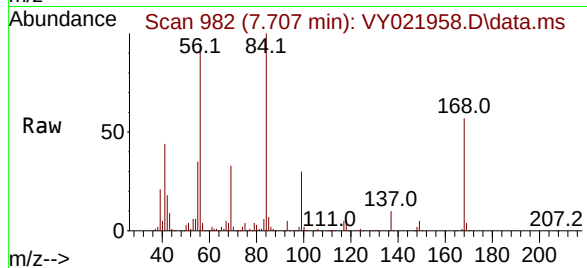
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 168 Resp: 35577
Ion Ratio Lower Upper
168 100
99 53.4 43.1 64.7

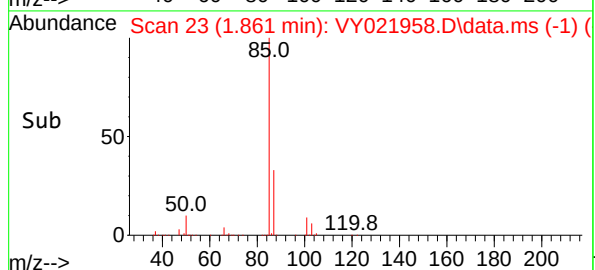
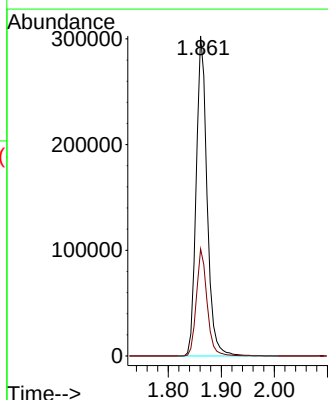
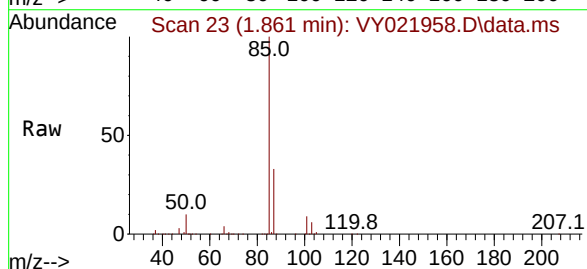
Manual Integrations
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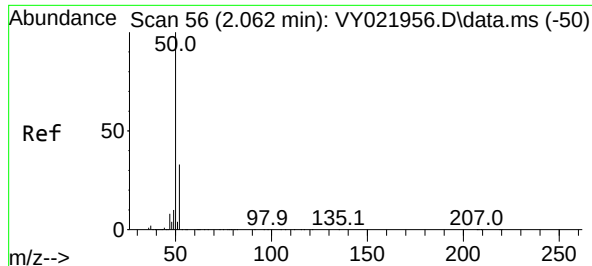
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 142.488 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 85 Resp: 431961
Ion Ratio Lower Upper
85 100
87 33.4 16.6 49.7





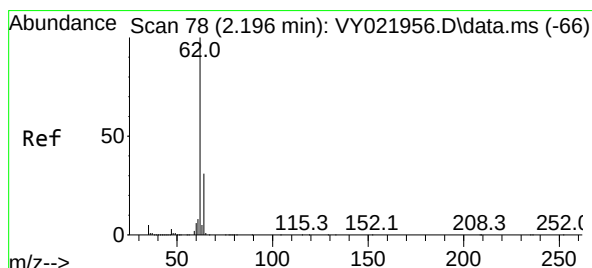
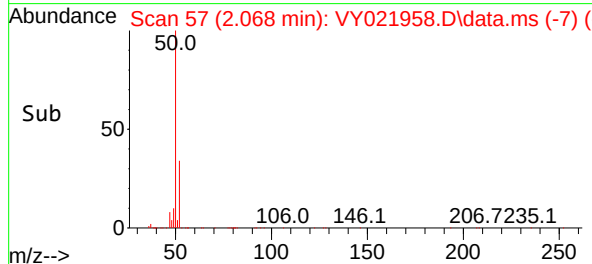
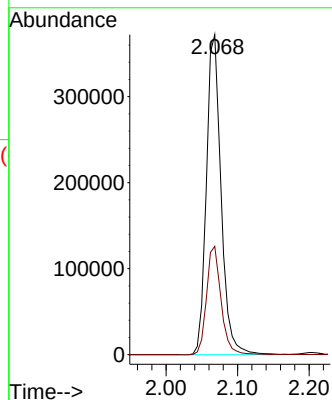
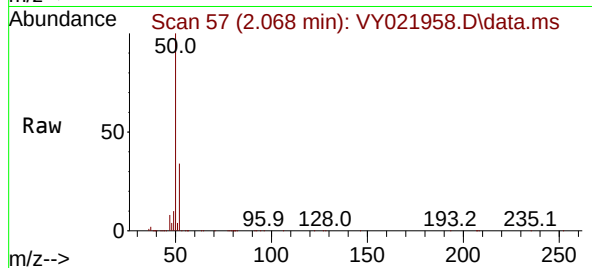
#3
Chloromethane
Concen: 123.066 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 53123
Ion Ratio Lower Upper
50 100
52 33.8 26.1 39.1

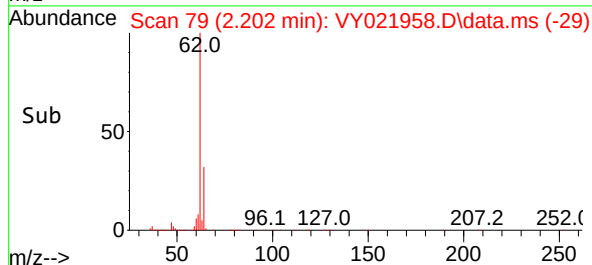
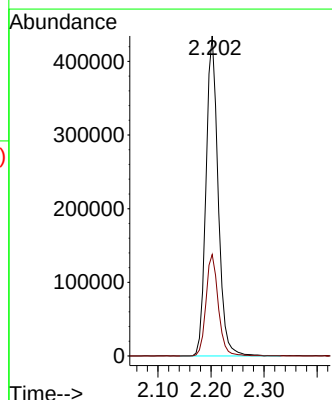
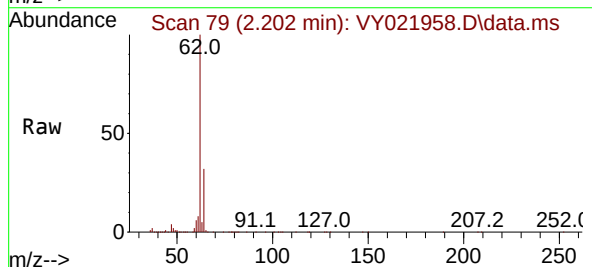
Manual Integrations
APPROVED

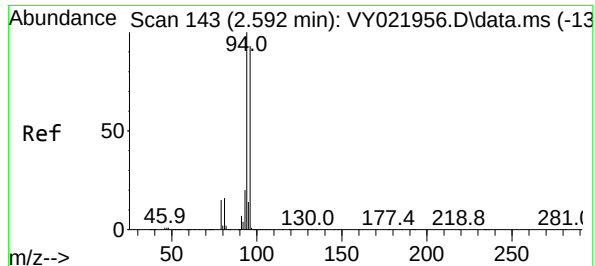
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 130.127 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 690264
Ion Ratio Lower Upper
62 100
64 31.7 25.1 37.7





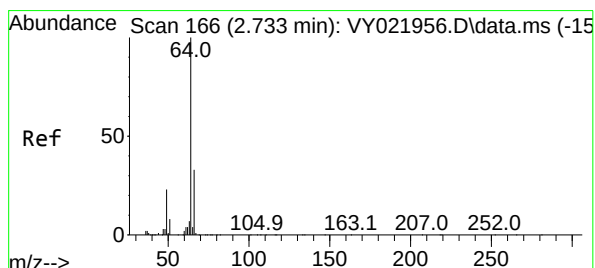
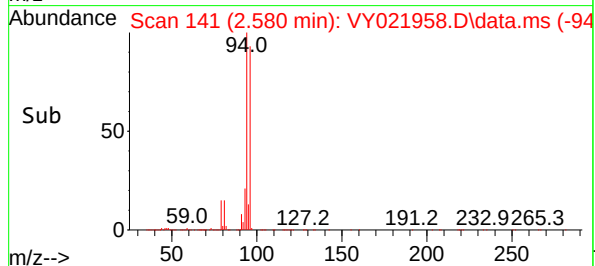
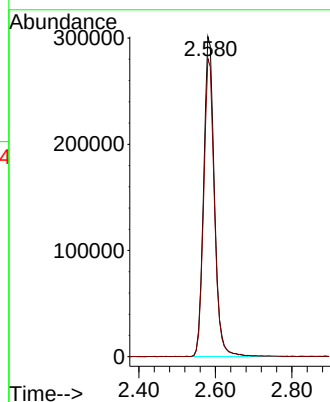
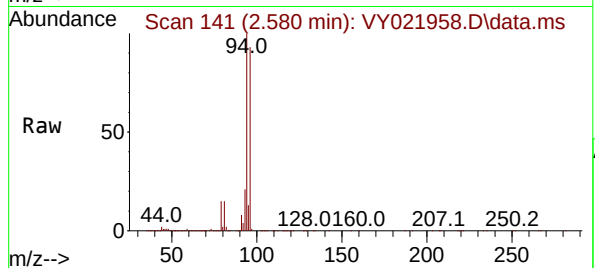
#5
Bromomethane
Concen: 128.474 ug/l
RT: 2.580 min Scan# 141
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 94 Resp: 587130
Ion Ratio Lower Upper
94 100
96 93.2 74.6 111.8

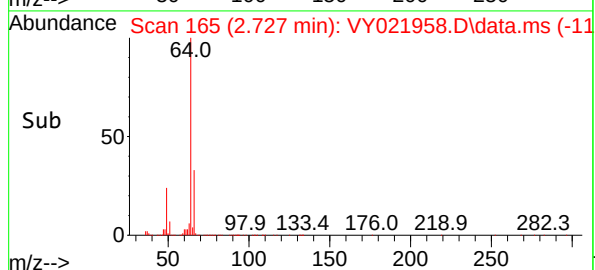
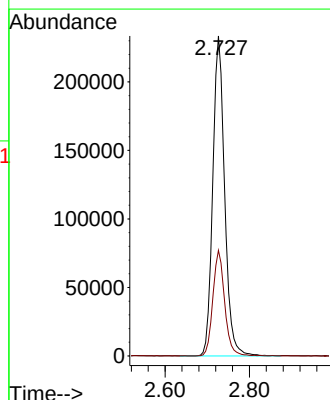
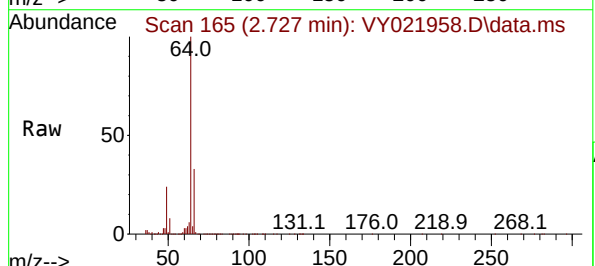
Manual Integrations
APPROVED

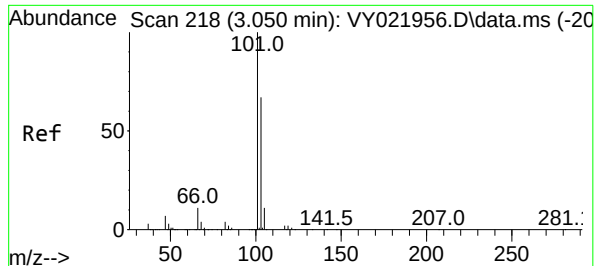
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 126.630 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

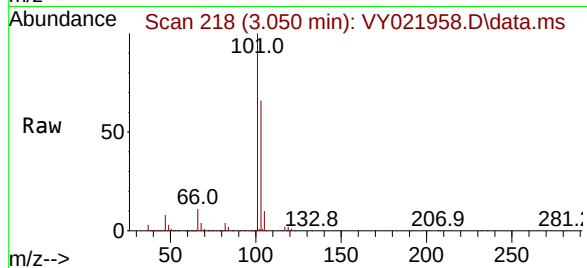
Tgt Ion: 64 Resp: 457467
Ion Ratio Lower Upper
64 100
66 32.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 138.417 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

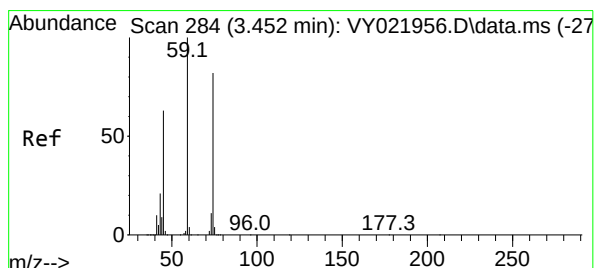
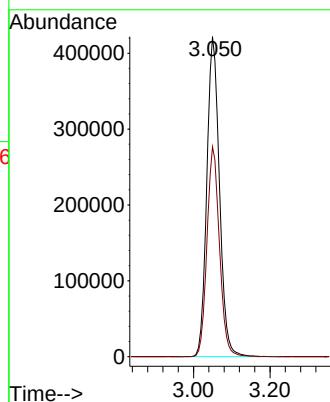
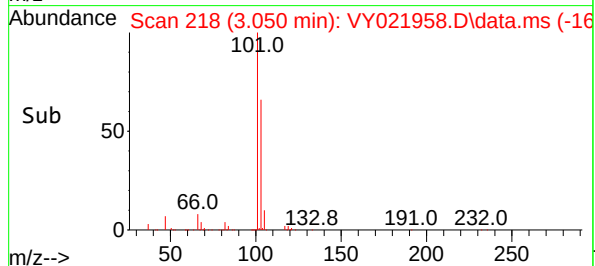
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 101 Resp: 968200
Ion Ratio Lower Upper
101 100
103 65.6 53.6 80.4

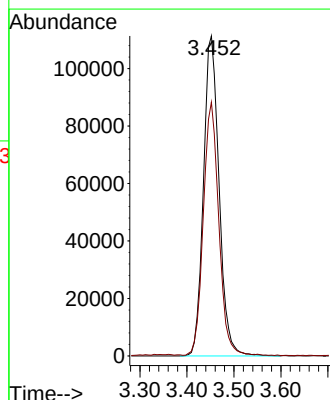
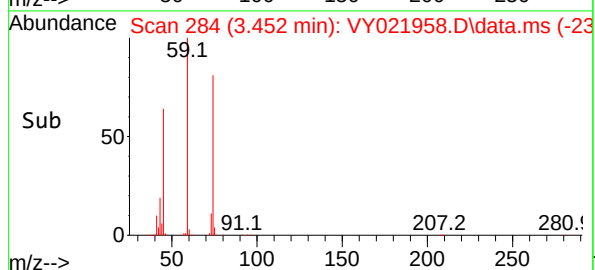
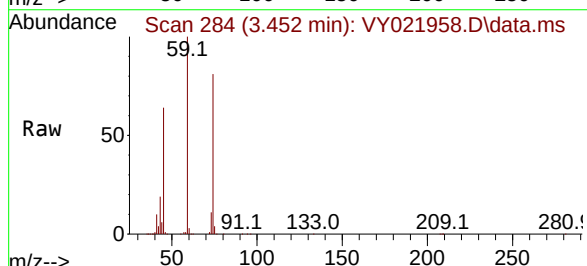
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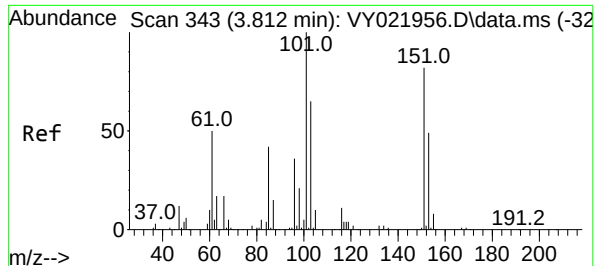
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 140.770 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 74 Resp: 256284
Ion Ratio Lower Upper
74 100
45 78.2 39.1 117.5





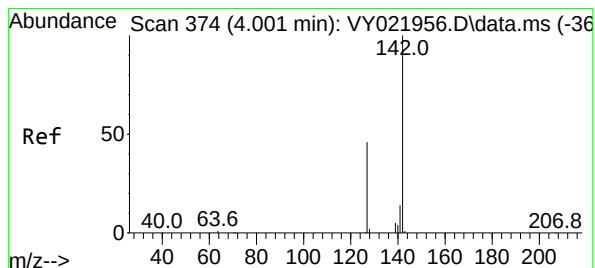
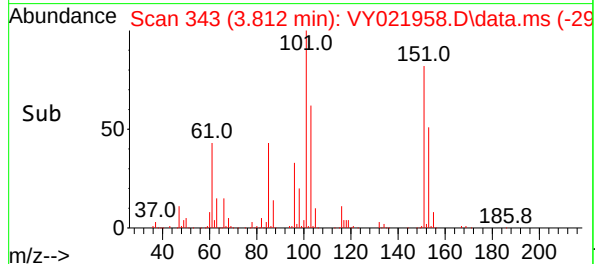
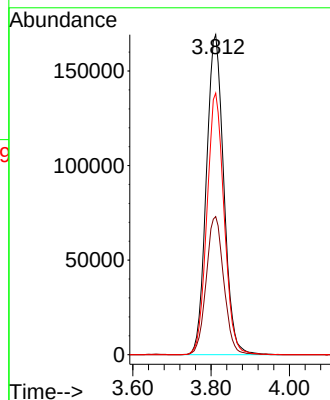
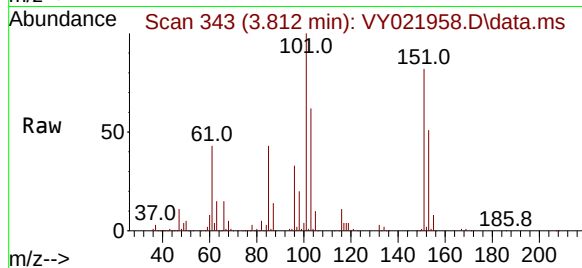
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.247 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 520779
Ion Ratio Lower Upper
101 100
85 43.7 34.6 51.8
151 80.9 63.7 95.5

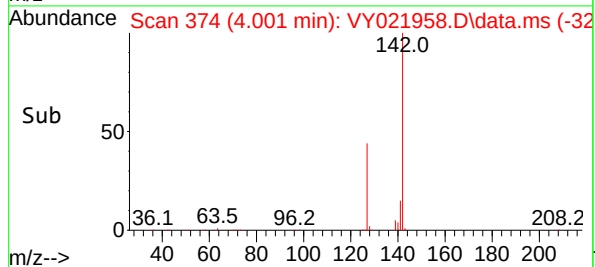
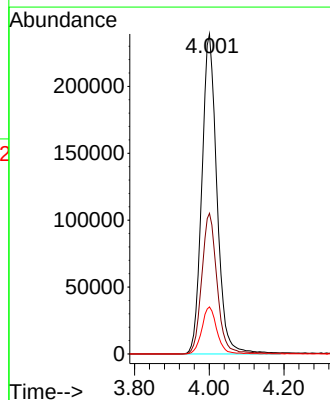
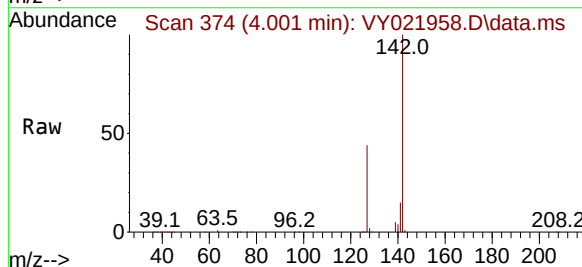
Manual Integrations
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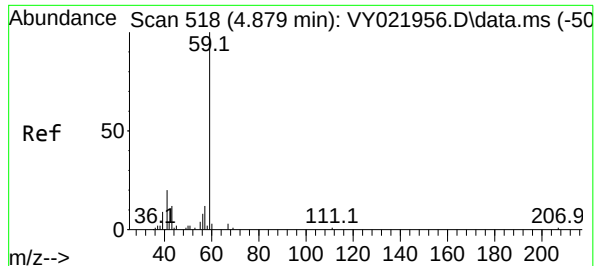
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 152.592 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:142 Resp: 670370
Ion Ratio Lower Upper
142 100
127 44.8 36.2 54.2
141 14.7 11.7 17.5





#11

Tert butyl alcohol

Concen: 731.707 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 132009

Ion Ratio Lower Upper

59 100

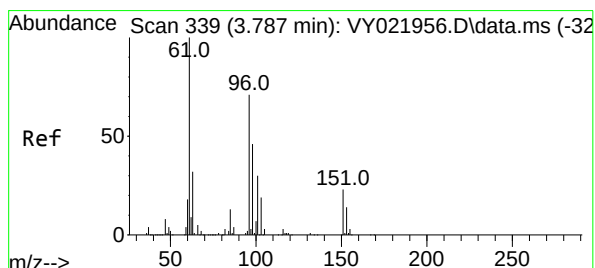
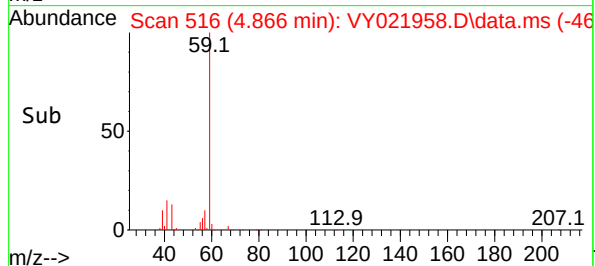
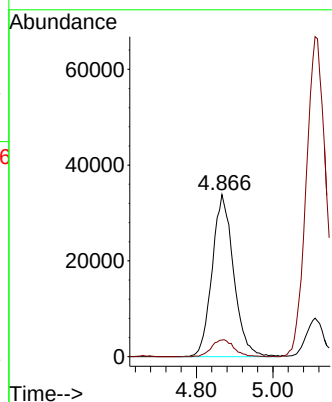
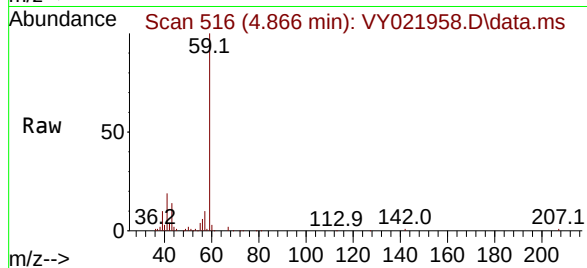
57 11.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 146.010 ug/l

RT: 3.781 min Scan# 338

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

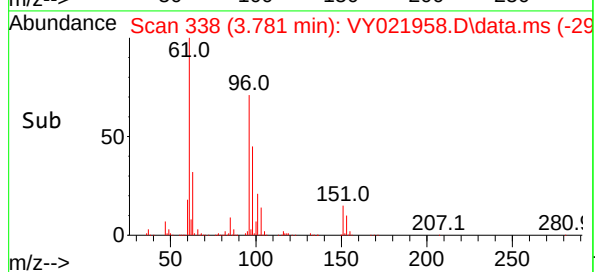
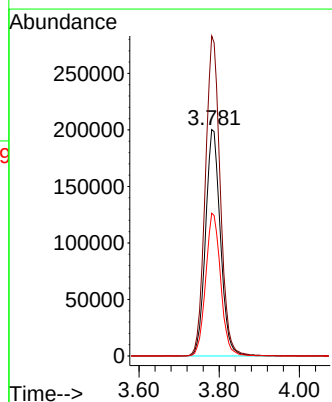
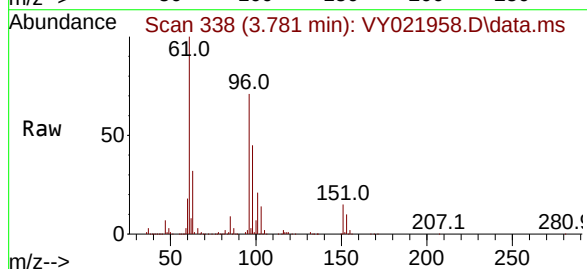
Tgt Ion: 96 Resp: 516411

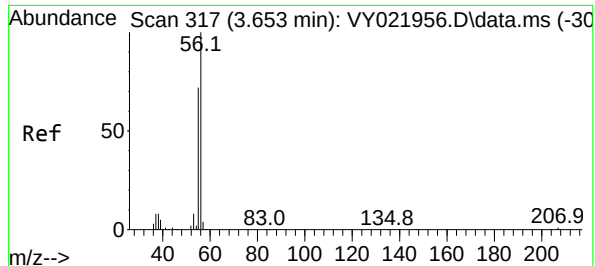
Ion Ratio Lower Upper

96 100

61 141.3 113.0 169.4

98 63.1 51.4 77.2





#13

Acrolein

Concen: 692.230 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 22414

Ion Ratio Lower Upper

56 100

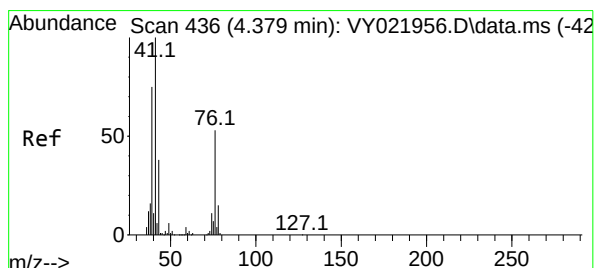
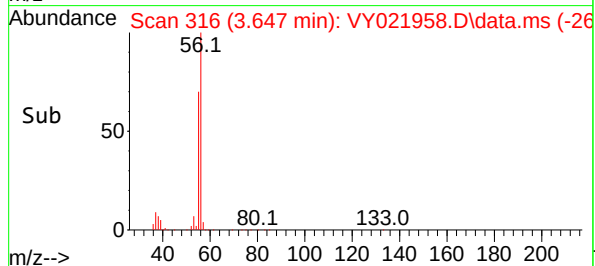
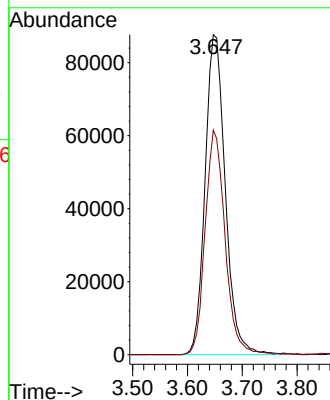
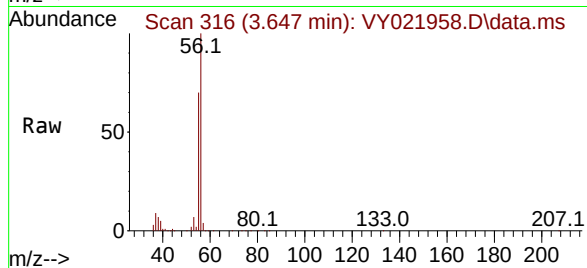
55 69.3 57.4 86.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 144.481 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

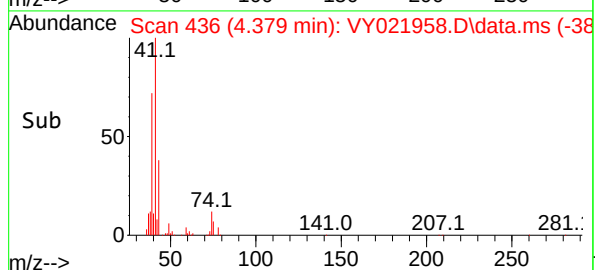
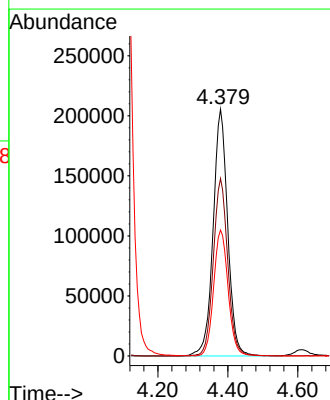
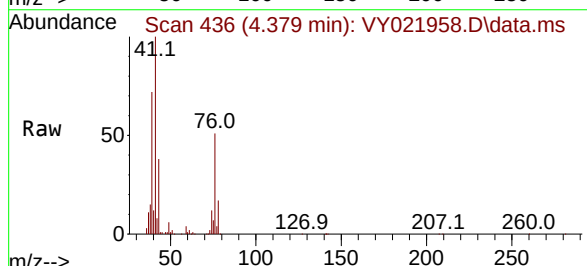
Tgt Ion: 41 Resp: 595004

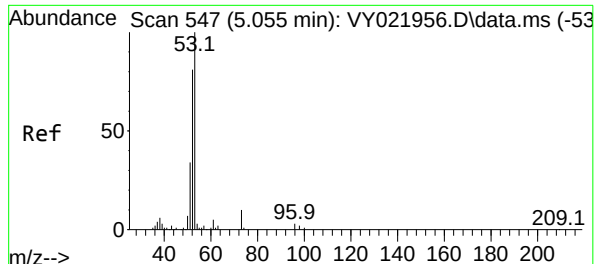
Ion Ratio Lower Upper

41 100

39 71.4 57.2 85.8

76 50.7 39.7 59.5





#15

Acrylonitrile

Concen: 707.705 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

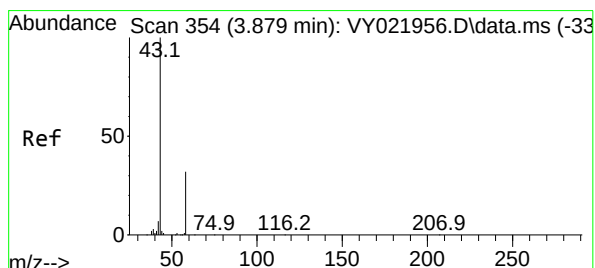
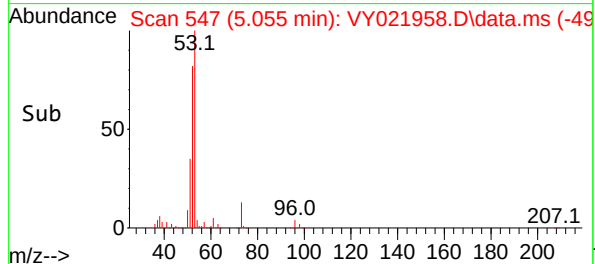
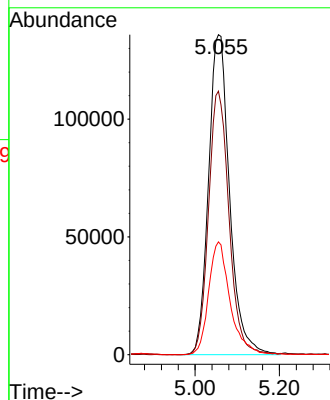
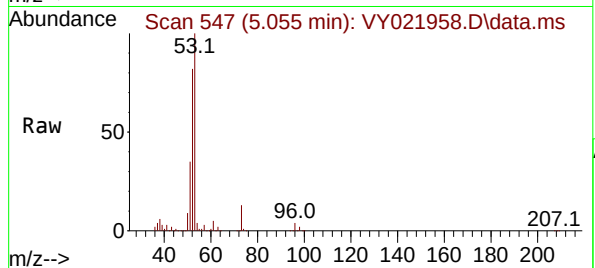
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	47168
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	36.1	28.9	43.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 747.934 ug/l

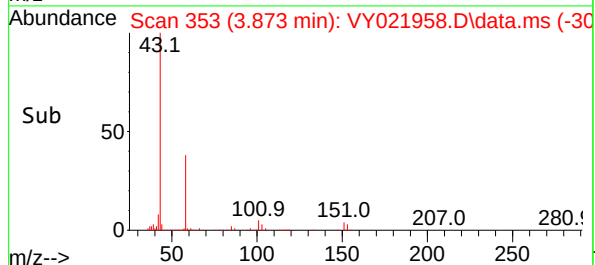
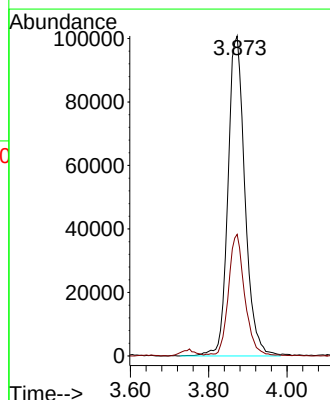
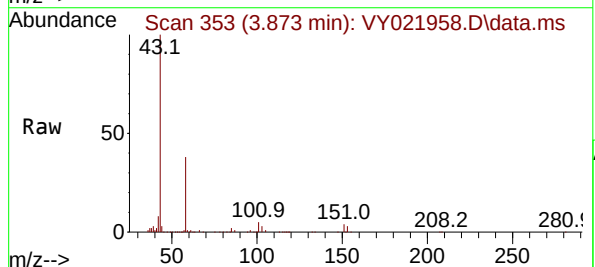
RT: 3.873 min Scan# 353

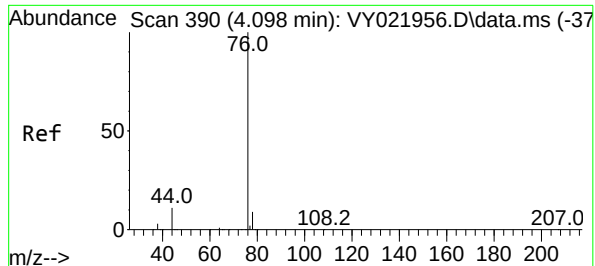
Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion:	43	Resp:	303420
Ion	Ratio	Lower	Upper
43	100		
58	37.8	27.0	40.4





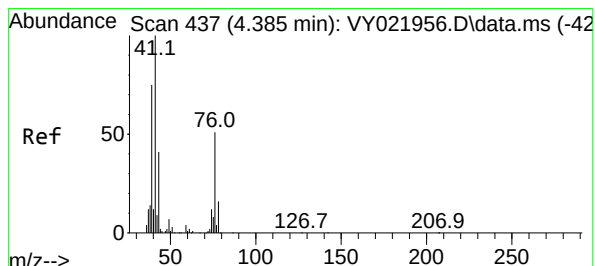
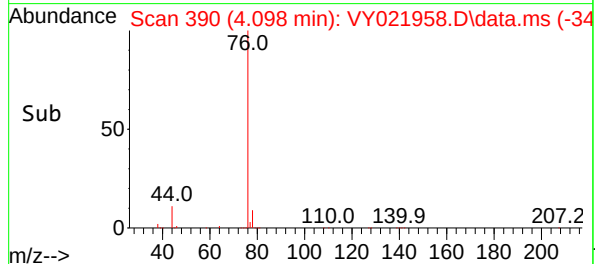
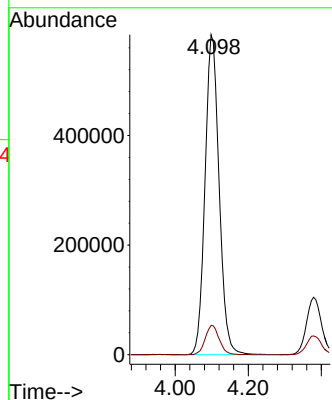
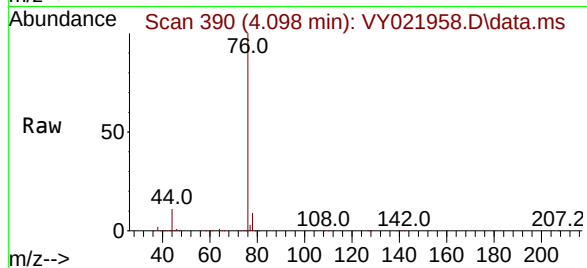
#17
Carbon Disulfide
Concen: 138.054 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 155684
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

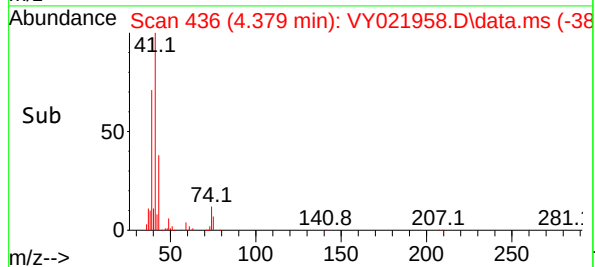
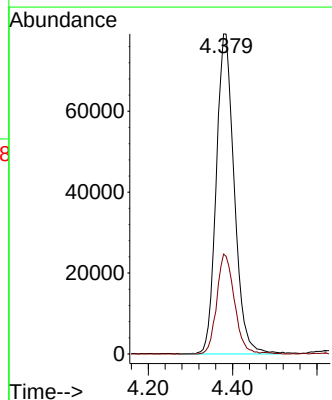
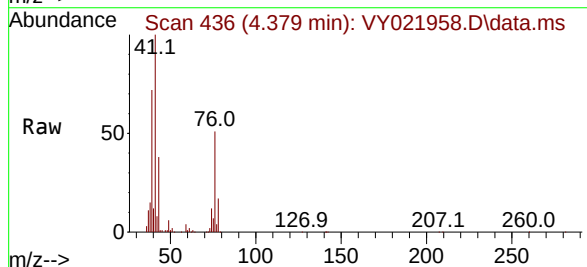
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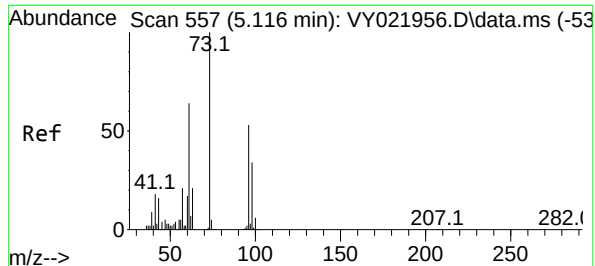
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 152.216 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 233664
Ion Ratio Lower Upper
43 100
74 30.5 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 152.936 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 121065

Ion Ratio Lower Upper

73 100

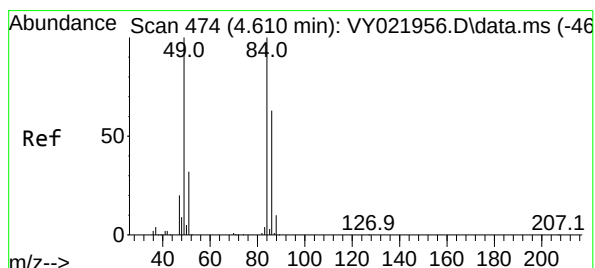
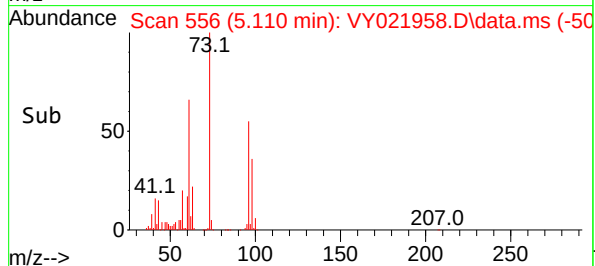
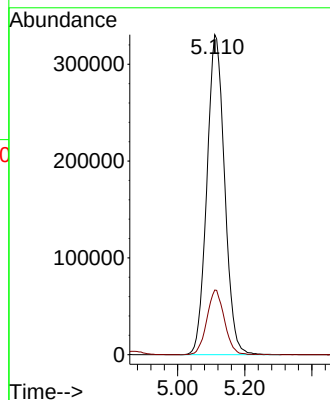
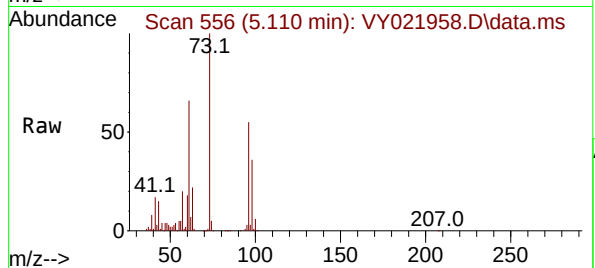
57 20.2 16.9 25.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 126.805 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion: 84 Resp: 526924

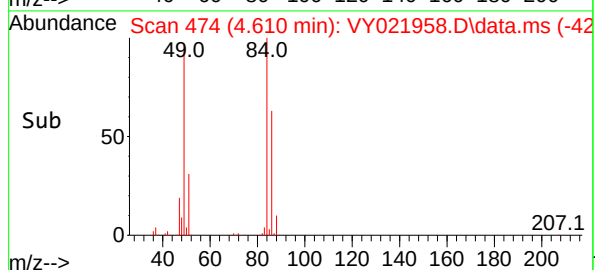
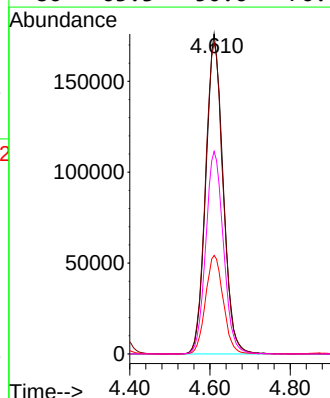
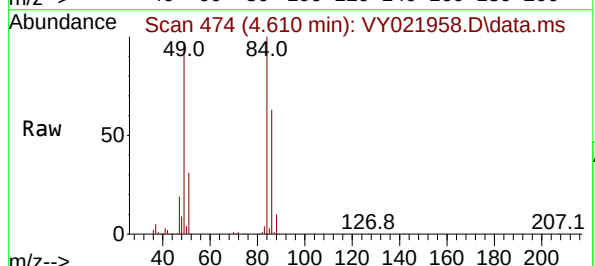
Ion Ratio Lower Upper

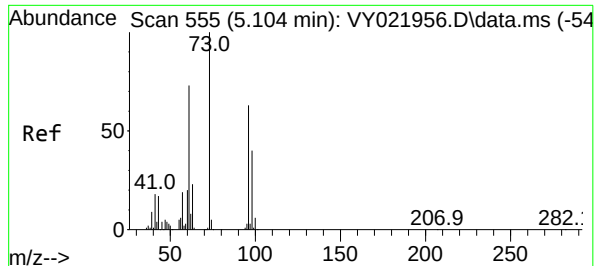
84 100

49 97.3 79.9 119.9

51 30.8 25.4 38.0

86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 143.443 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 568174

Ion Ratio Lower Upper

96 100

61 119.7 92.6 138.8

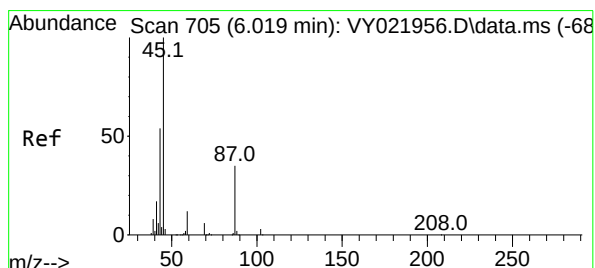
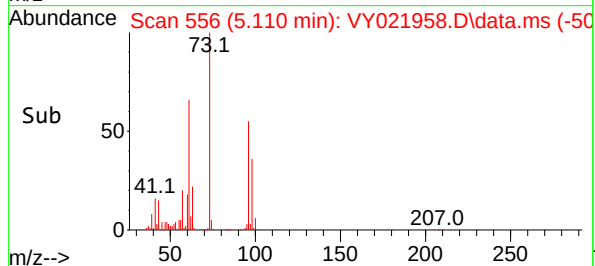
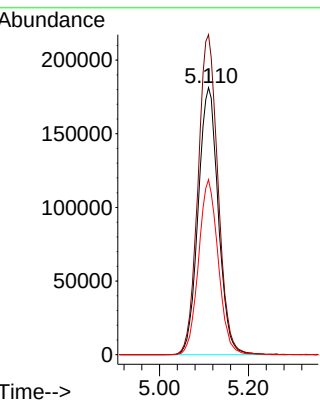
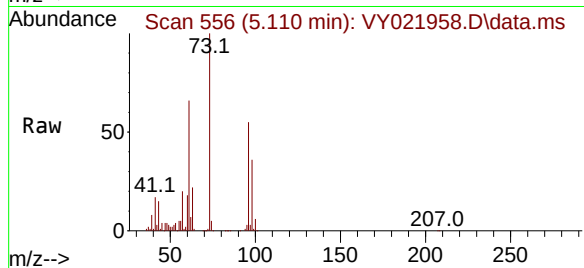
98 65.6 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#22

Diisopropyl ether

Concen: 145.303 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion: 45 Resp: 1331652

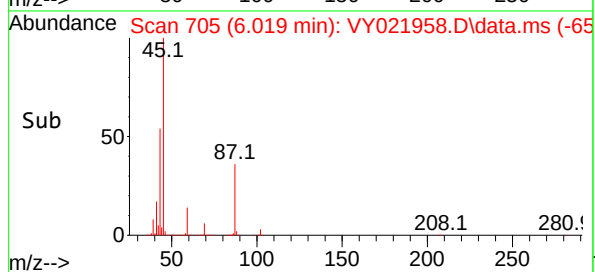
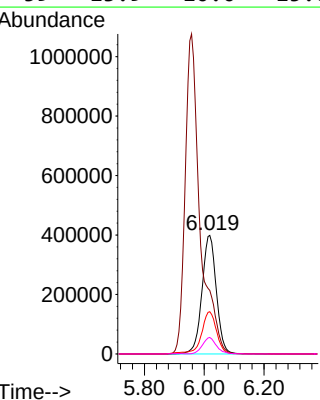
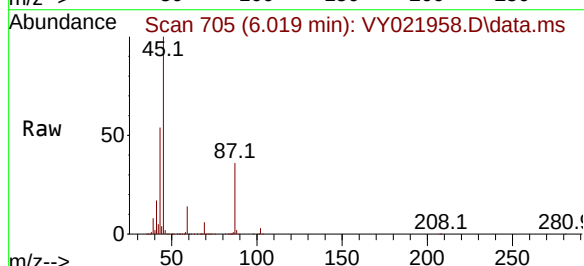
Ion Ratio Lower Upper

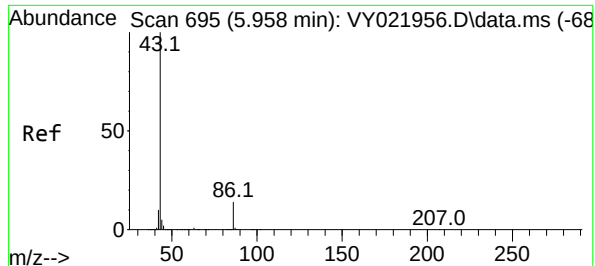
45 100

43 53.6 43.6 65.4

87 35.7 28.2 42.4

59 13.9 10.0 15.0





#23

Vinyl Acetate

Concen: 750.348 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3706070

Ion Ratio Lower Upper

43 100

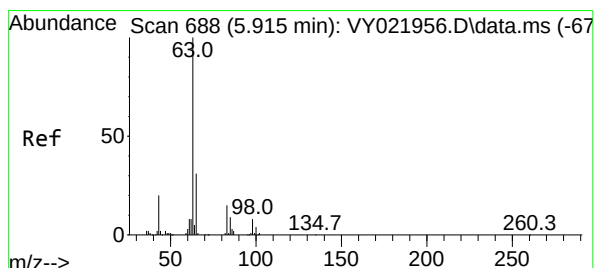
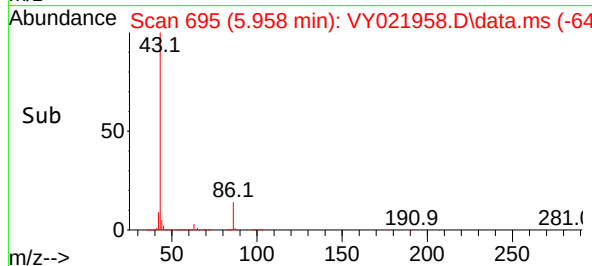
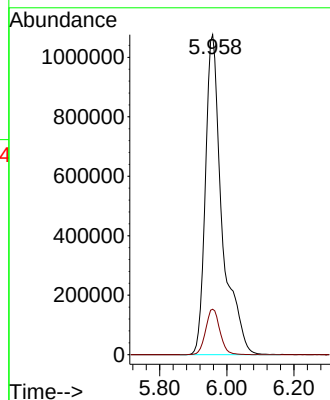
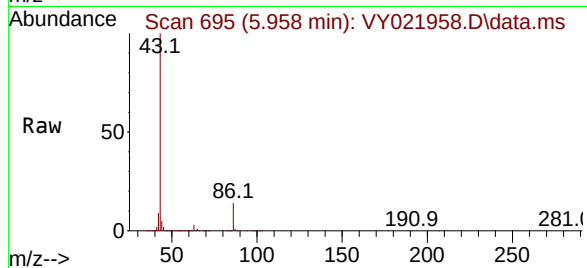
86 14.2 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 138.707 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

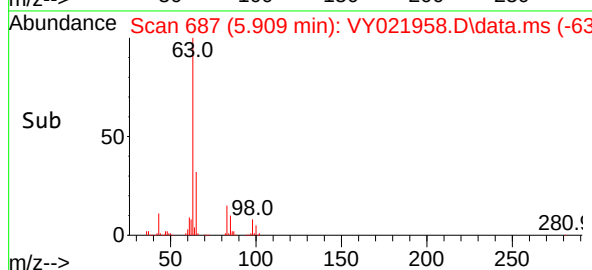
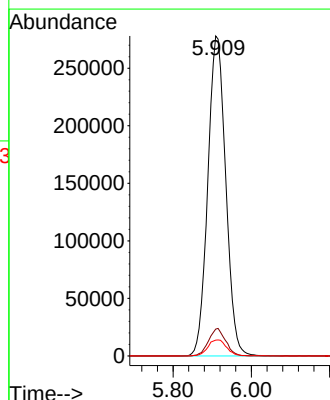
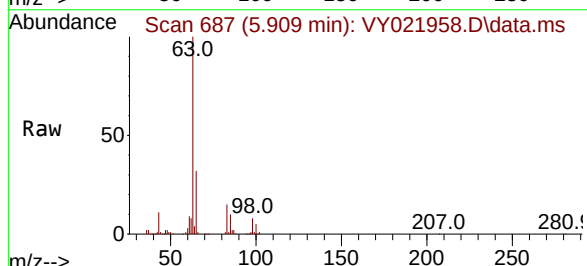
Tgt Ion: 63 Resp: 881143

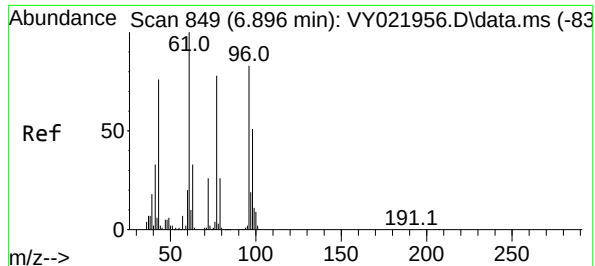
Ion Ratio Lower Upper

63 100

98 8.4 4.0 11.9

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 711.701 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 53312

Ion Ratio Lower Upper

43 100

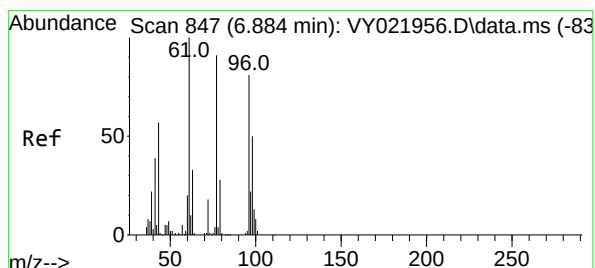
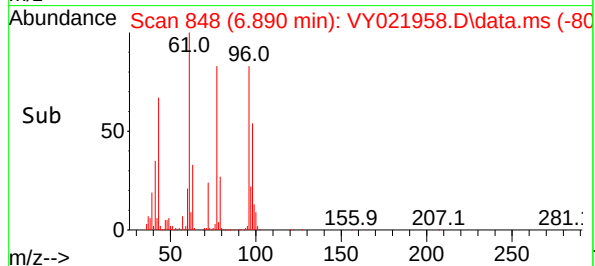
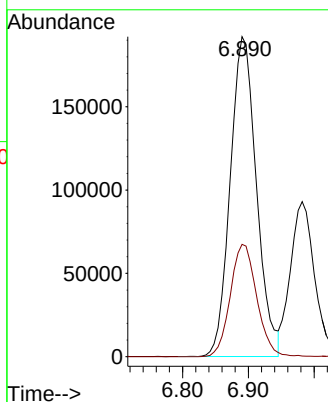
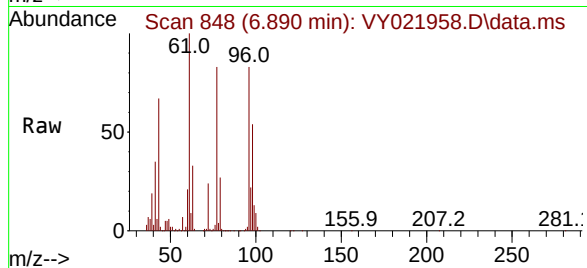
72 35.1 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 143.320 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021958.D

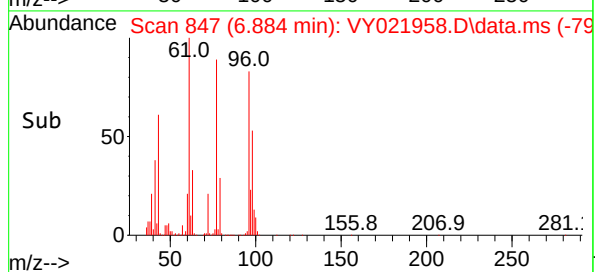
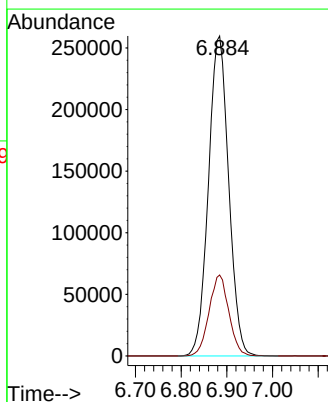
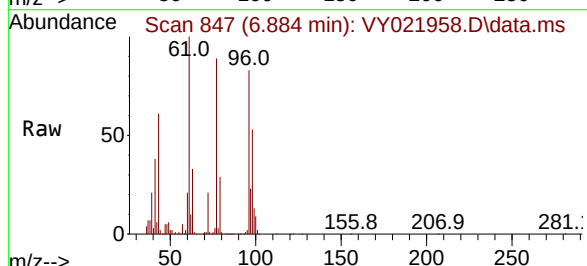
Acq: 22 Apr 2025 16:15

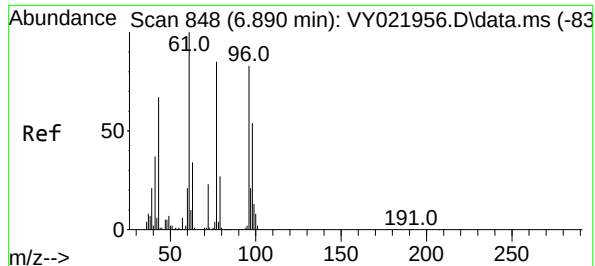
Tgt Ion: 77 Resp: 797978

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 149.760 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 663284

Ion Ratio Lower Upper

96 100

61 123.8 0.0 251.4

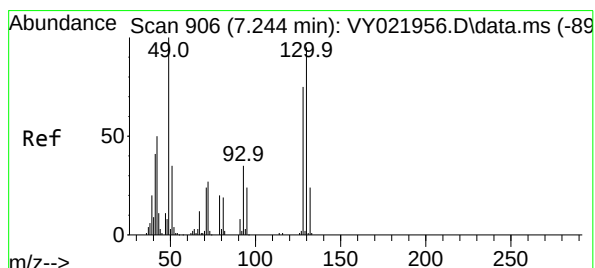
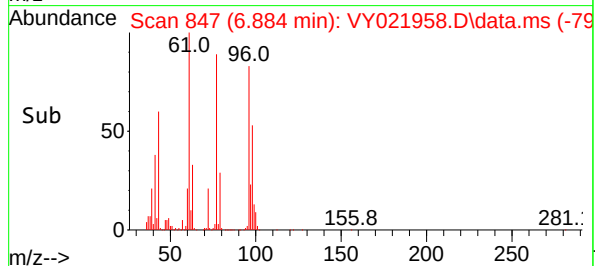
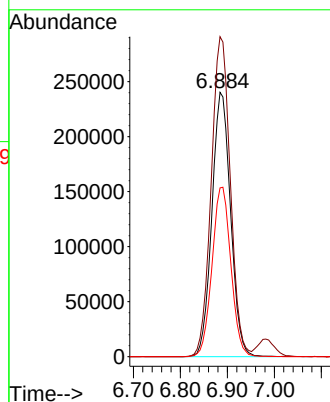
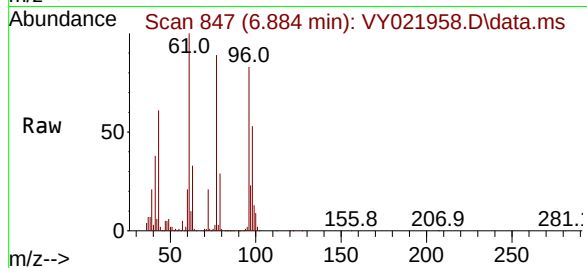
98 64.7 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 135.876 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

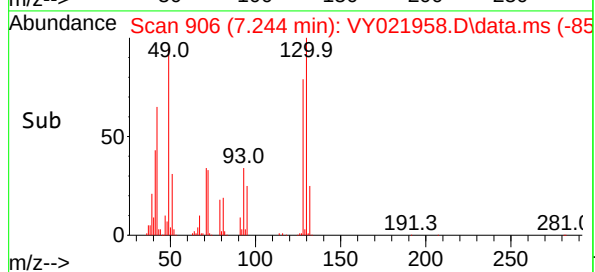
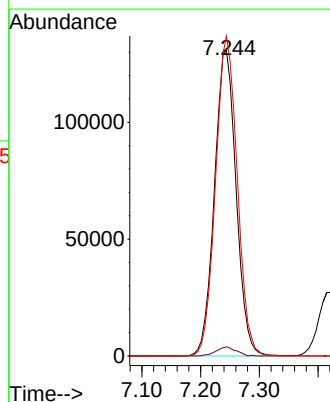
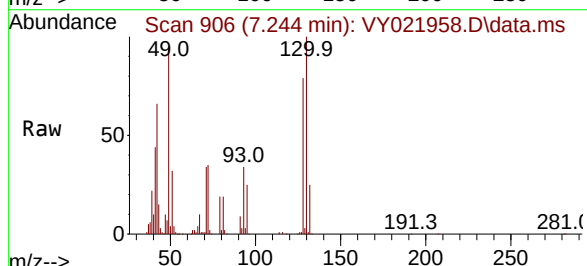
Tgt Ion: 49 Resp: 335269

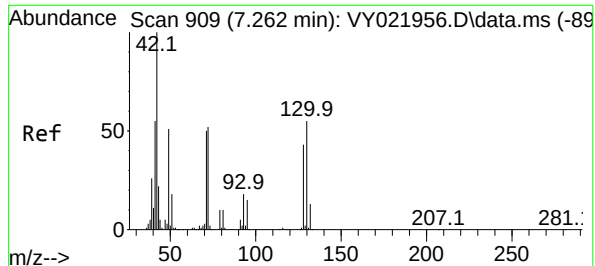
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.0

130 104.5 78.2 117.4





#29

Tetrahydrofuran

Concen: 734.980 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 35758

Ion Ratio Lower Upper

42 100

72 57.2 42.6 63.8

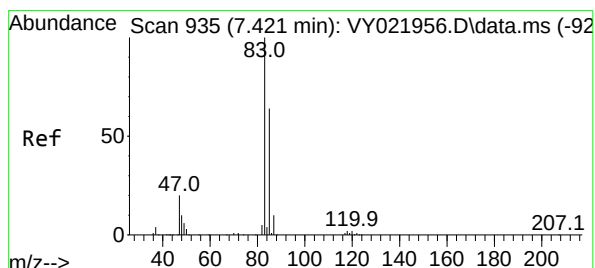
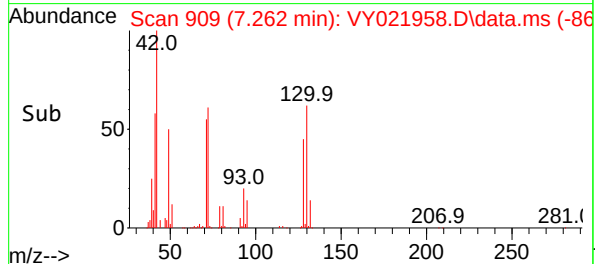
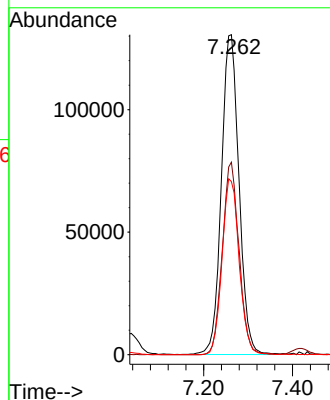
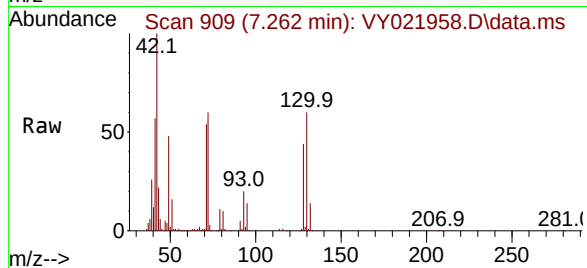
71 53.5 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 140.042 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021958.D

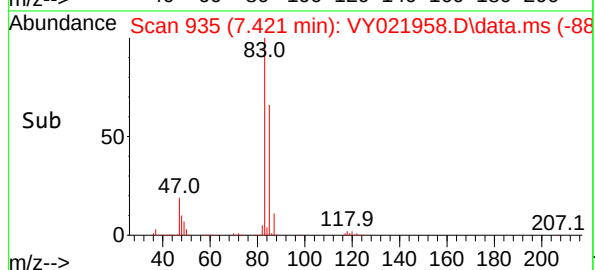
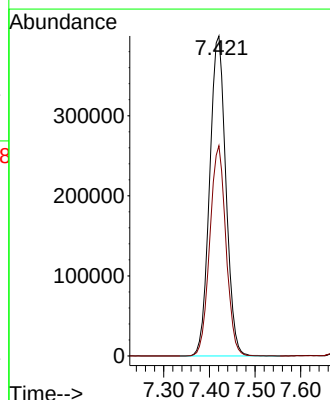
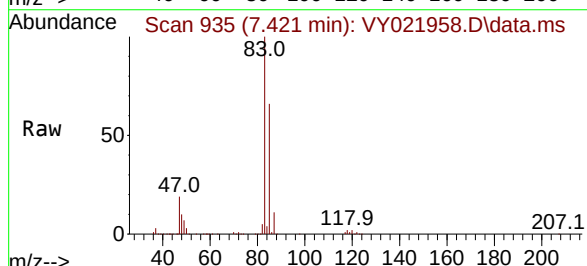
Acq: 22 Apr 2025 16:15

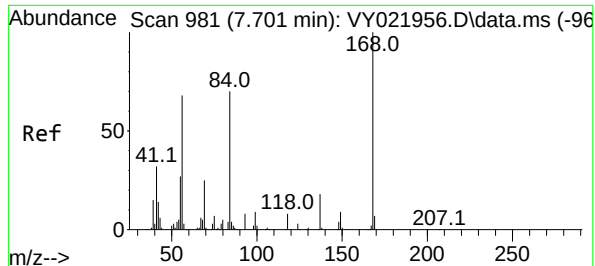
Tgt Ion: 83 Resp: 986793

Ion Ratio Lower Upper

83 100

85 65.7 51.3 76.9





#31

Cyclohexane

Concen: 139.782 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 759349

Ion Ratio Lower Upper

56 100

69 33.8 29.4 44.2

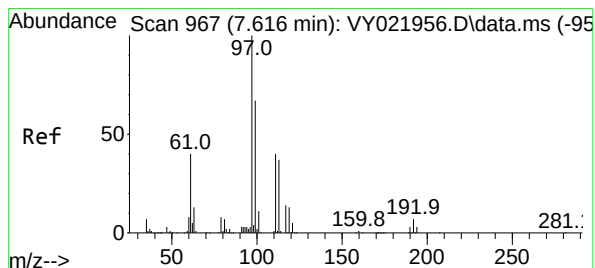
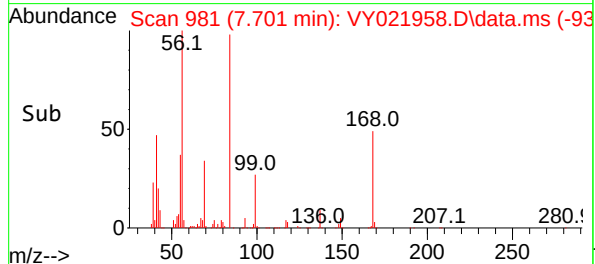
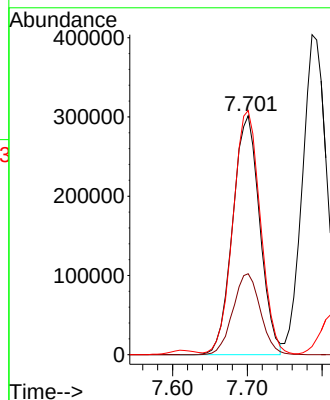
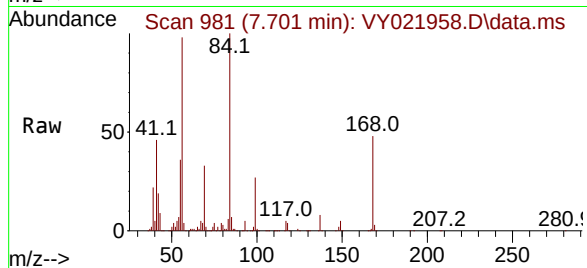
84 100.2 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 141.659 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

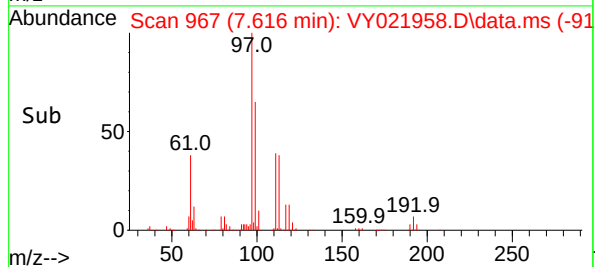
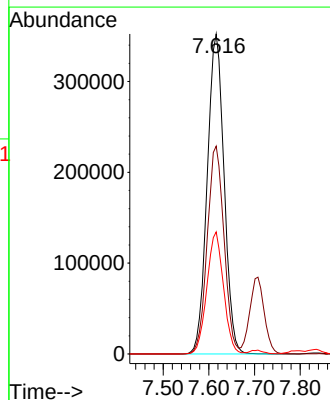
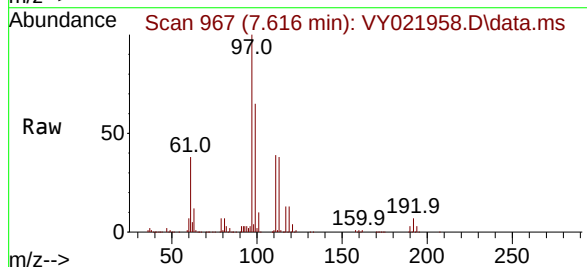
Tgt Ion: 97 Resp: 903077

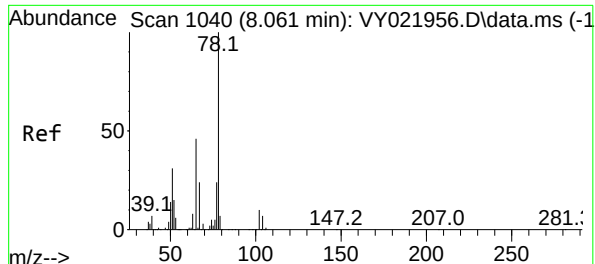
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

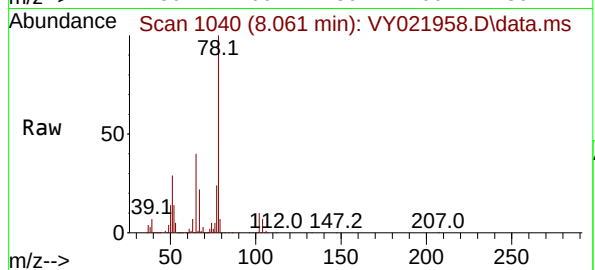
61 37.7 31.4 47.2





#33
1,2-Dichloroethane-d4
Concen: 138.662 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

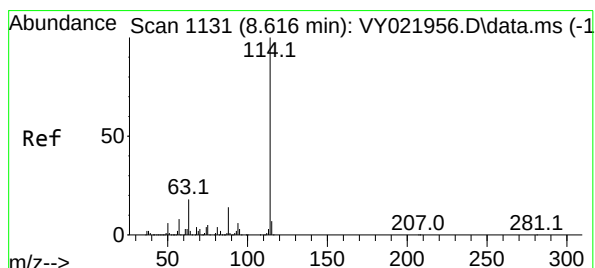
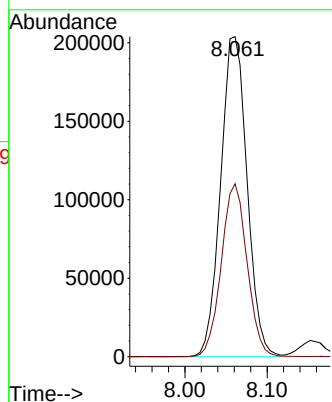
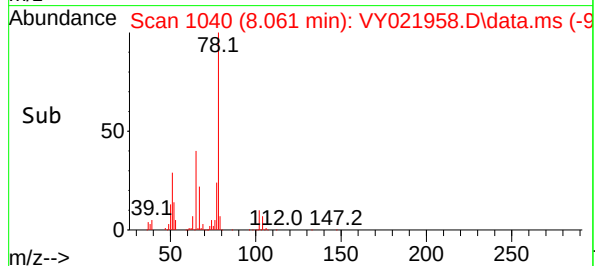
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 65 Resp: 455670
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

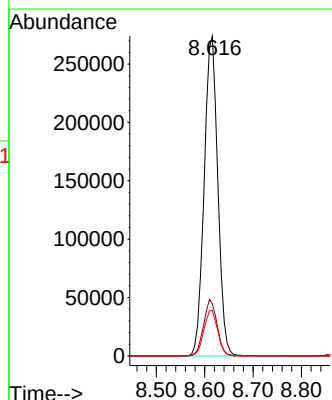
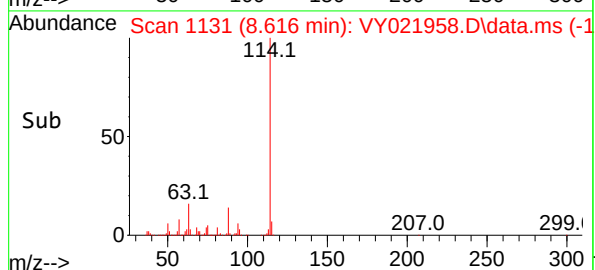
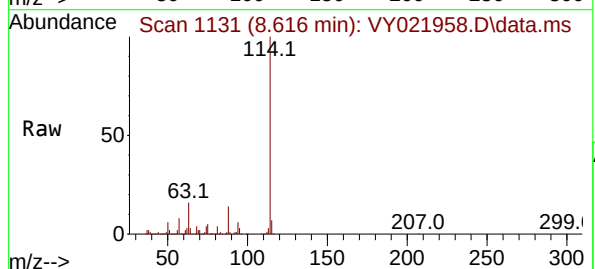
Manual Integrations
APPROVED

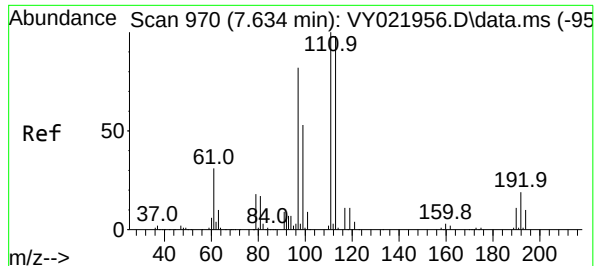
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:114 Resp: 536479
Ion Ratio Lower Upper
114 100
63 16.3 0.0 35.4
88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 148.312 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 525659

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

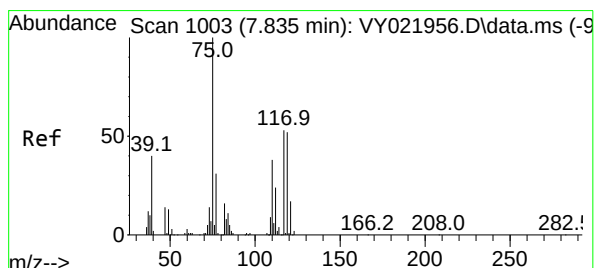
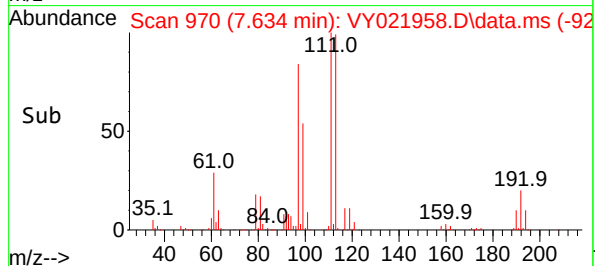
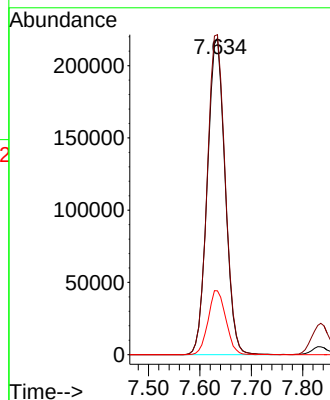
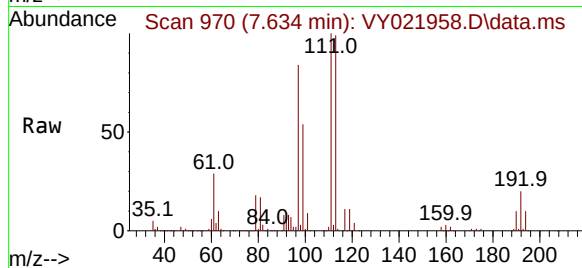
192 20.2 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 147.634 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

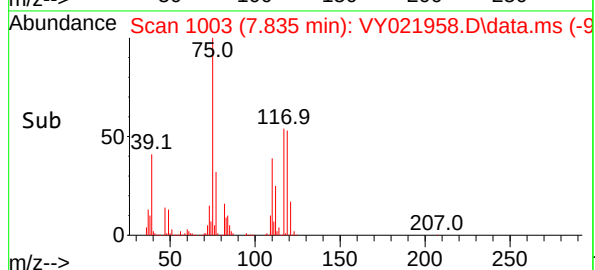
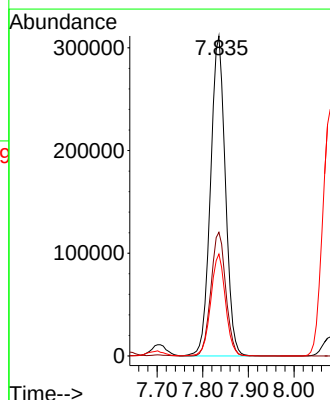
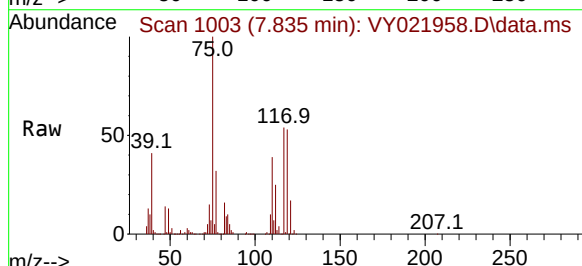
Tgt Ion: 75 Resp: 702870

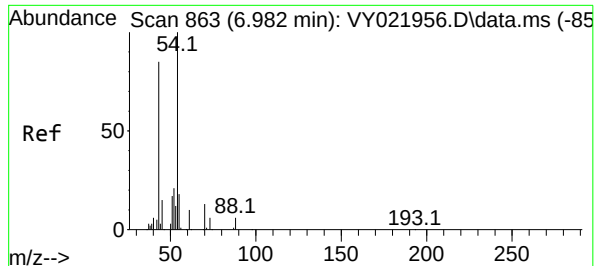
Ion Ratio Lower Upper

75 100

110 38.8 19.1 57.3

77 31.7 25.5 38.3





#37

Ethyl Acetate

Concen: 144.169 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 243190

Ion Ratio Lower Upper

43 100

61 16.6 13.8 20.6

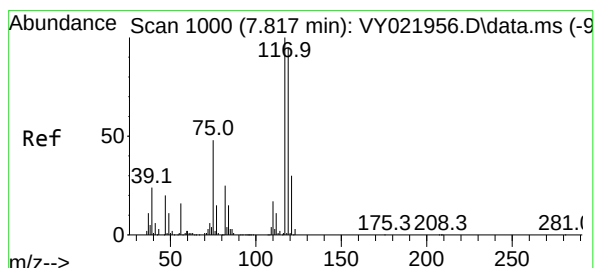
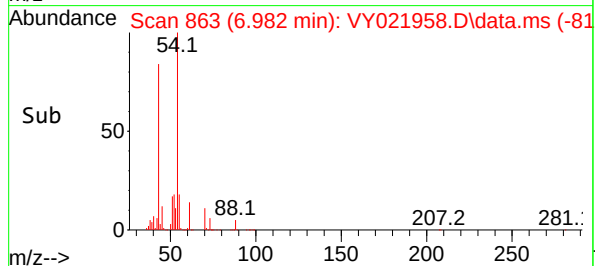
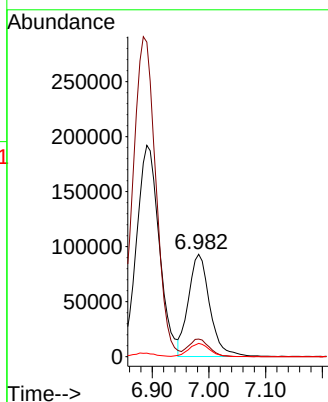
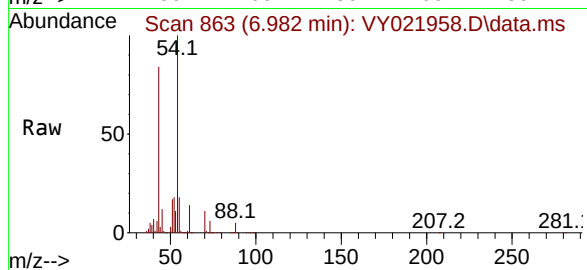
70 12.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 147.902 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

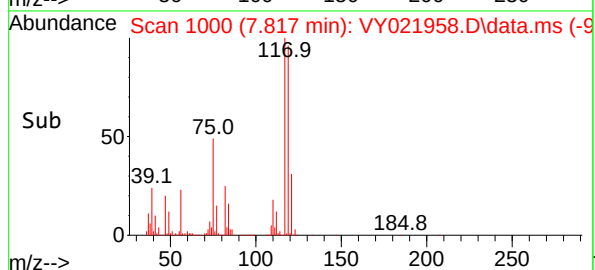
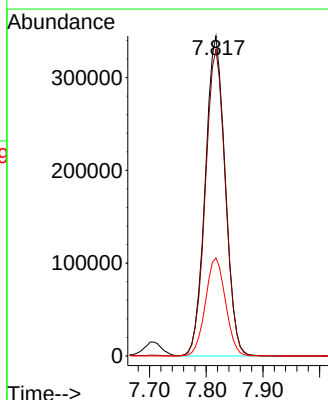
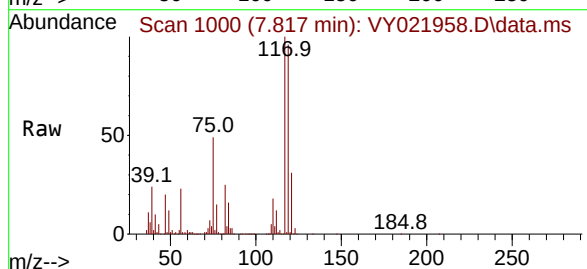
Tgt Ion:117 Resp: 841409

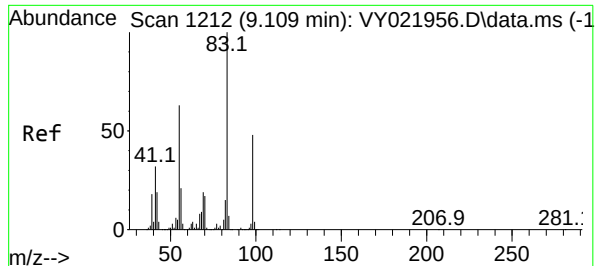
Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.4

121 30.6 24.0 36.0





#39

Methylcyclohexane

Concen: 158.153 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 947540

Ion Ratio Lower Upper

83 100

55 65.7 50.6 75.8

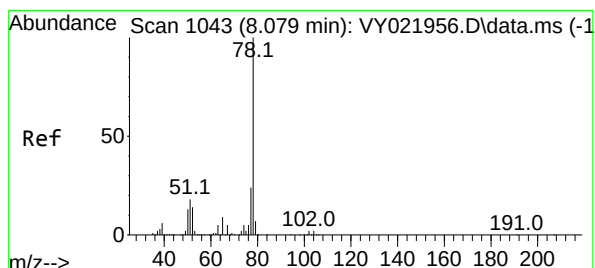
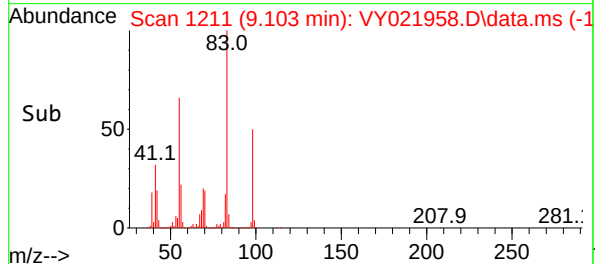
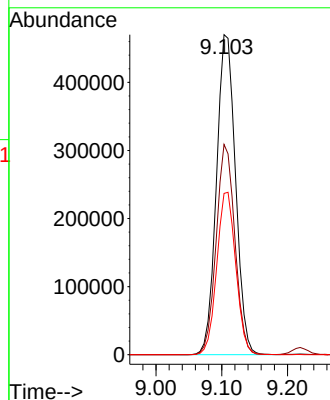
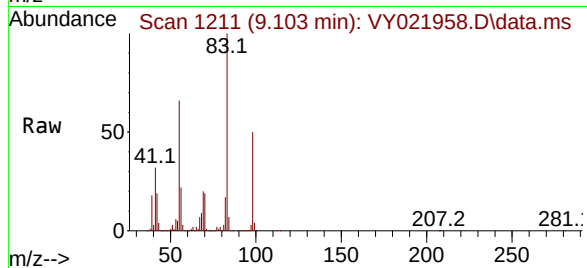
98 50.4 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 146.818 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021958.D

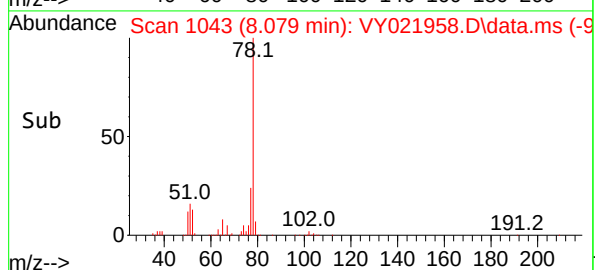
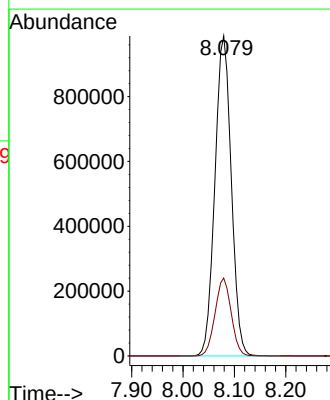
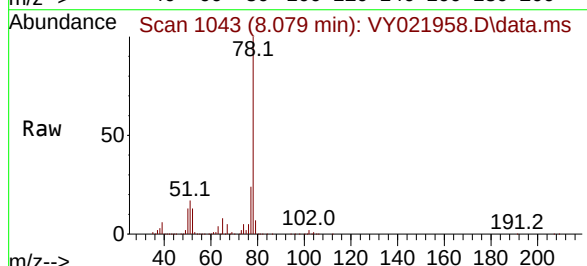
Acq: 22 Apr 2025 16:15

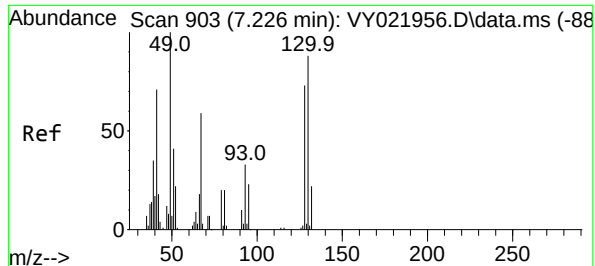
Tgt Ion: 78 Resp: 2184995

Ion Ratio Lower Upper

78 100

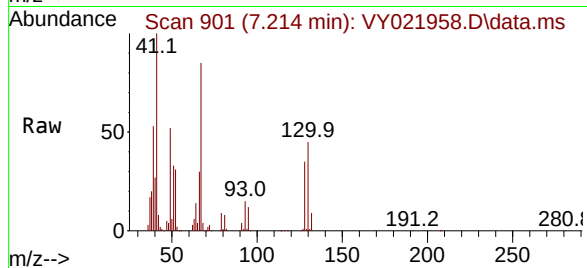
77 24.4 19.3 28.9





#41
Methacrylonitrile
Concen: 144.765 ug/l
RT: 7.214 min Scan# 903
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

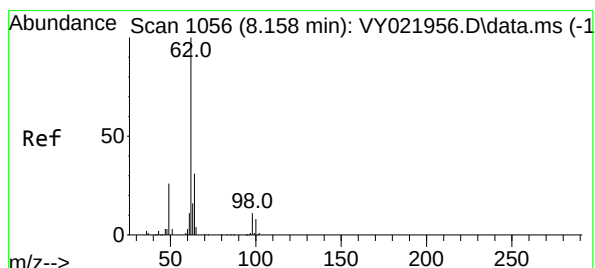
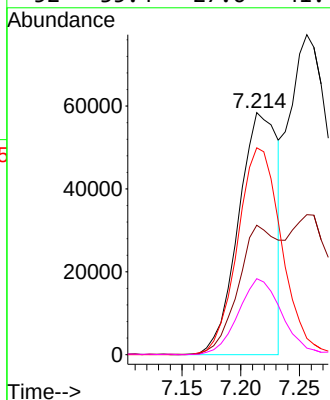
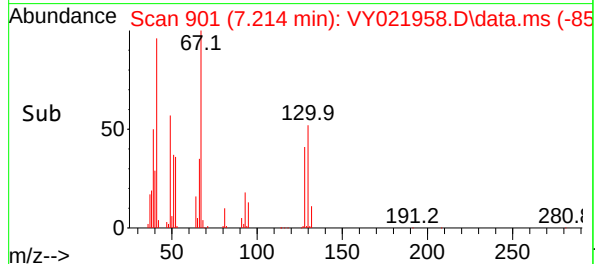
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 135364
Ion Ratio Lower Upper
41 100
39 60.3 36.6 55.0
67 96.7 72.2 108.4
52 35.4 27.6 41.4

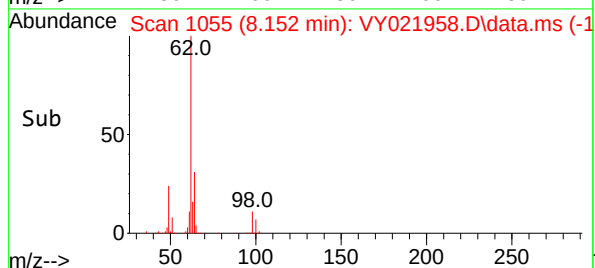
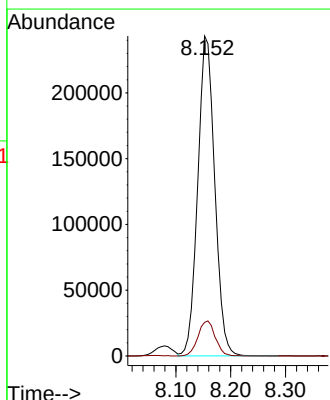
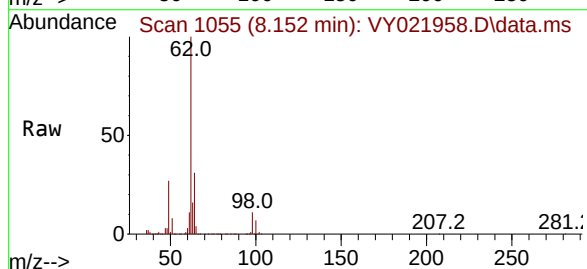
Manual Integrations
APPROVED

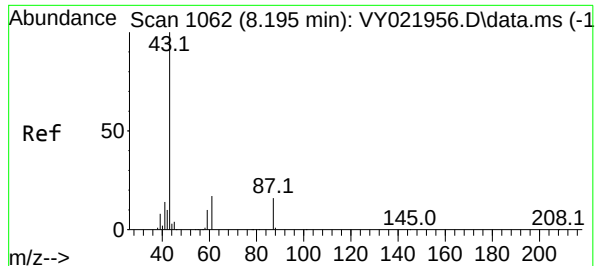
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 141.914 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 522909
Ion Ratio Lower Upper
62 100
98 11.2 0.0 22.0





#43

Isopropyl Acetate

Concen: 151.020 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

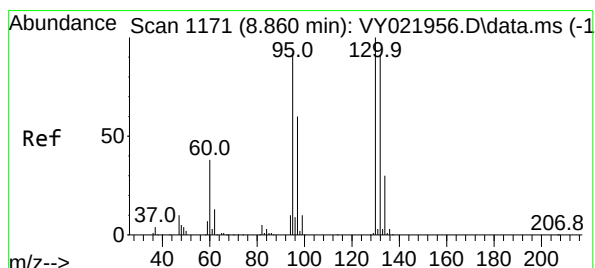
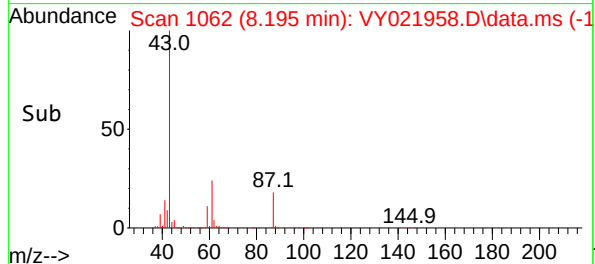
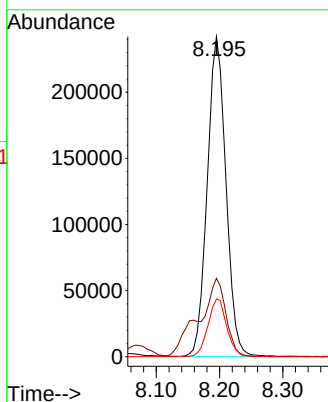
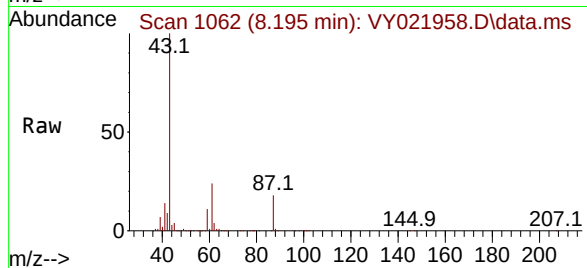
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	495904
Ion	Ratio	Lower	Upper
43	100		
61	35.6	18.9	28.3
87	18.1	13.7	20.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 146.435 ug/l

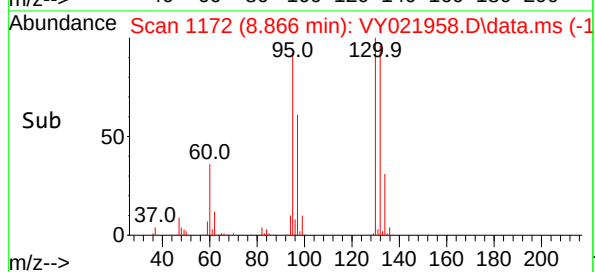
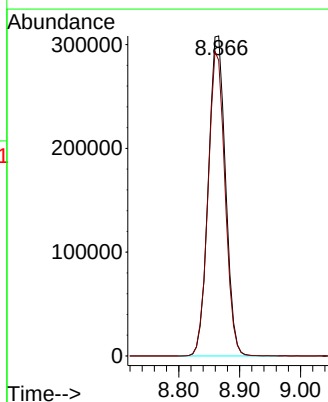
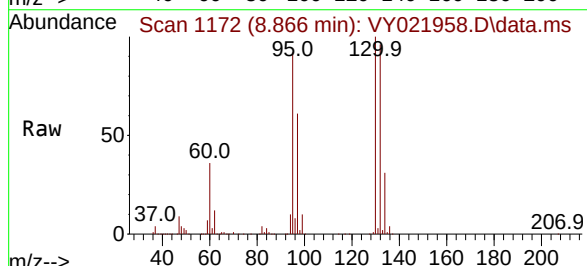
RT: 8.866 min Scan# 1172

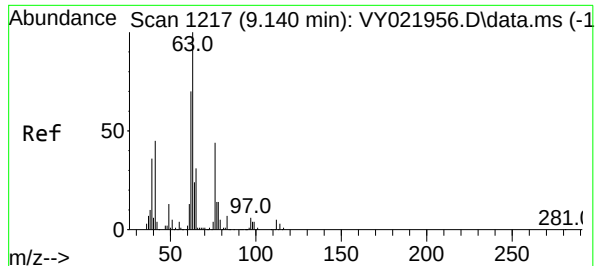
Delta R.T. 0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion:	130	Resp:	603635
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	183.2





#45

1,2-Dichloropropane

Concen: 143.782 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 473210

Ion Ratio Lower Upper

63 100

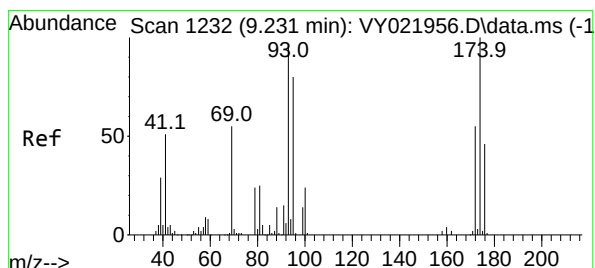
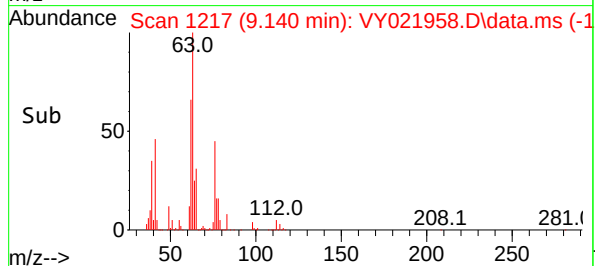
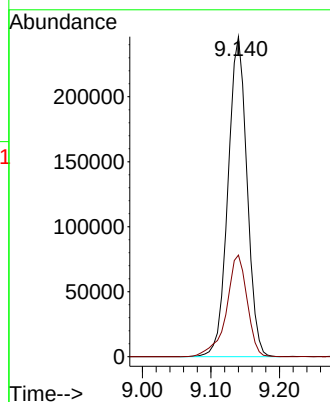
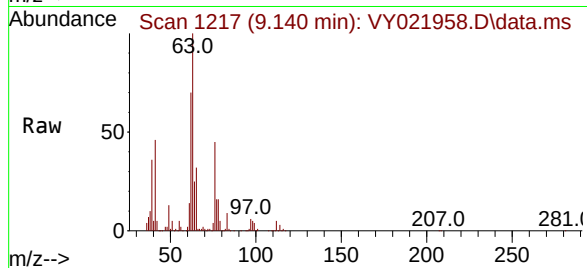
65 31.7 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 145.844 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

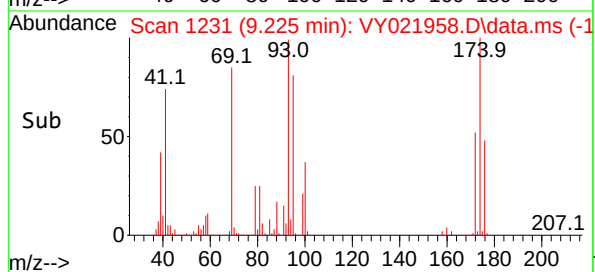
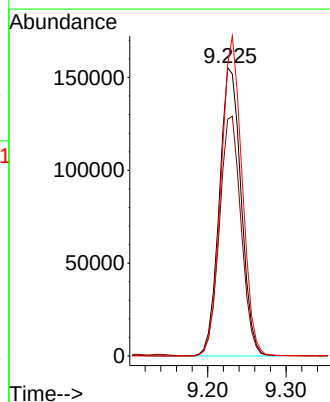
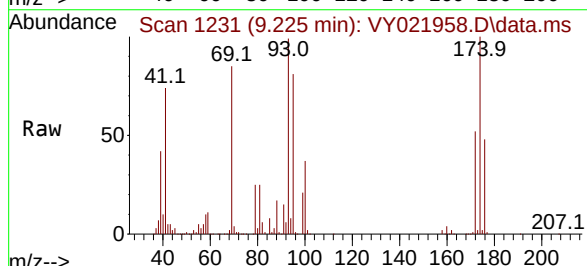
Tgt Ion: 93 Resp: 300473

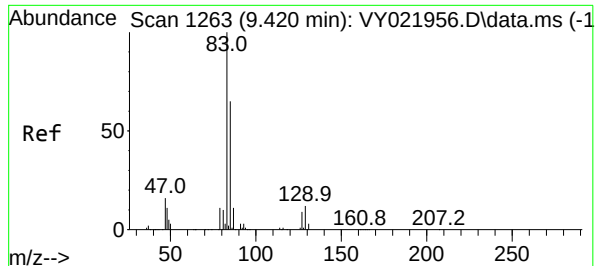
Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

174 106.9 84.6 127.0





#47

Bromodichloromethane

Concen: 147.426 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

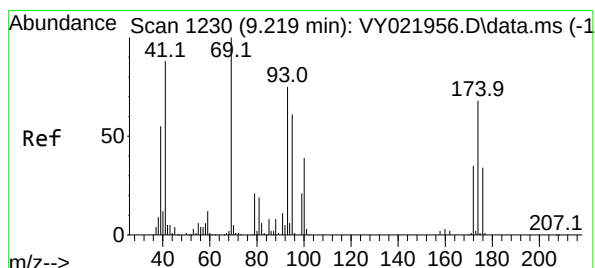
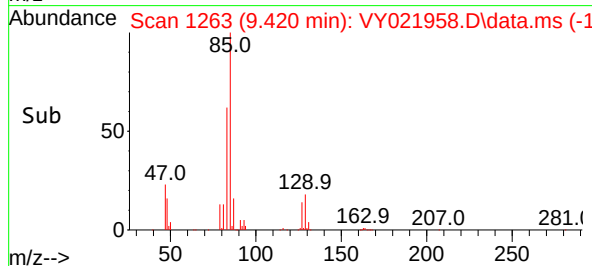
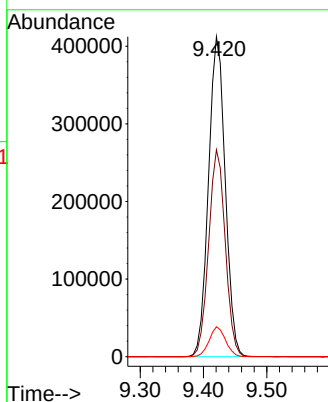
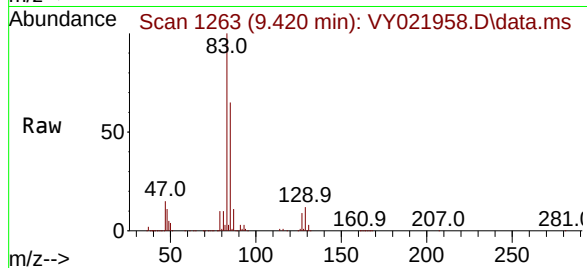
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	75877
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	9.3	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 160.190 ug/l

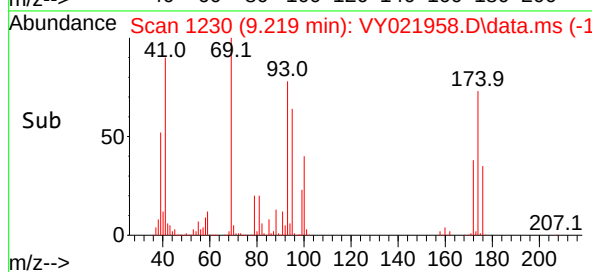
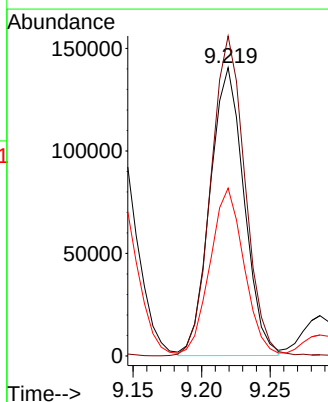
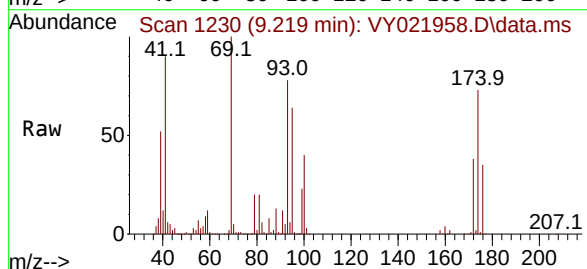
RT: 9.219 min Scan# 1230

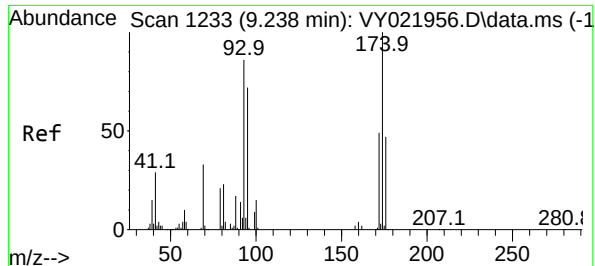
Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion:	41	Resp:	243168
Ion	Ratio	Lower	Upper
41	100		
69	111.2	85.5	128.3
39	56.5	46.2	69.4





#49

1,4-Dioxane

Concen: 3029.677 ug/l

RT: 9.225 min Scan# 1233

Delta R.T. -0.012 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

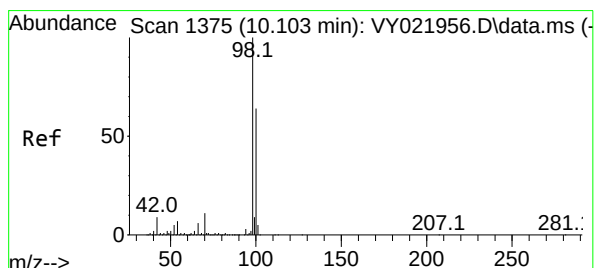
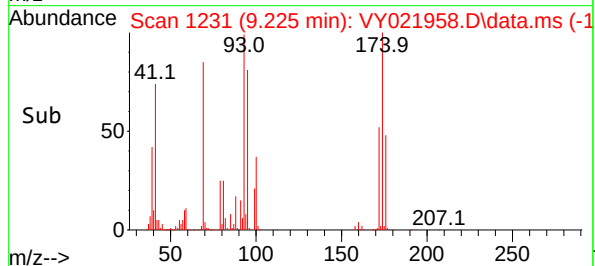
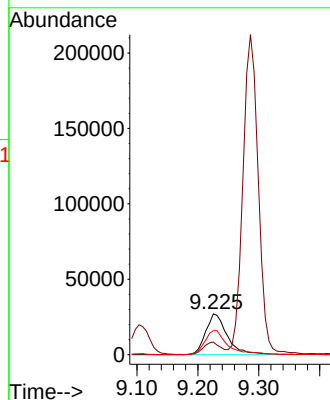
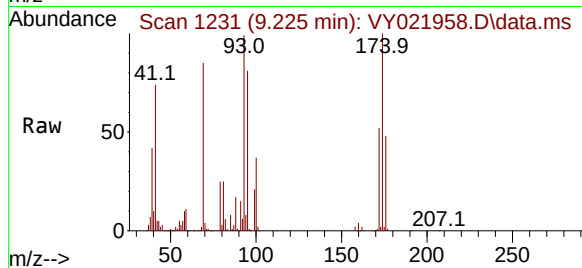
ClientSampleId :

VSTDICC150

Tgt Ion:	88	Resp:	66528
Ion	Ratio	Lower	Upper
88	100		
43	25.3	21.3	31.9
58	63.5	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 151.892 ug/l

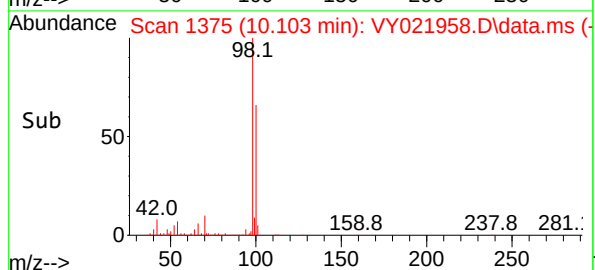
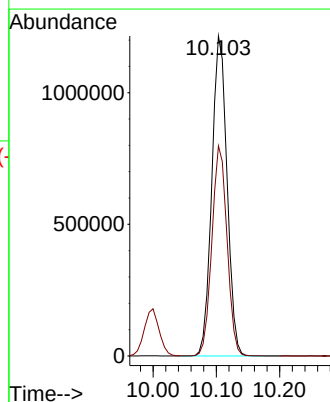
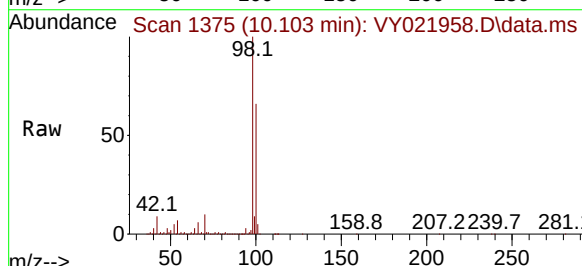
RT: 10.103 min Scan# 1375

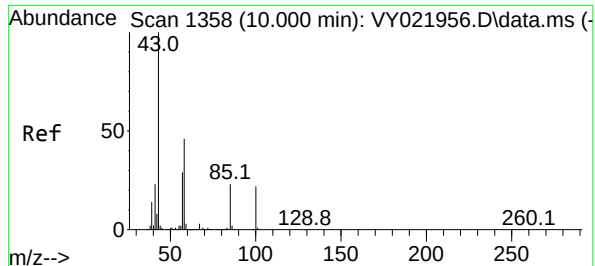
Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion:	98	Resp:	2029557
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.6	77.4





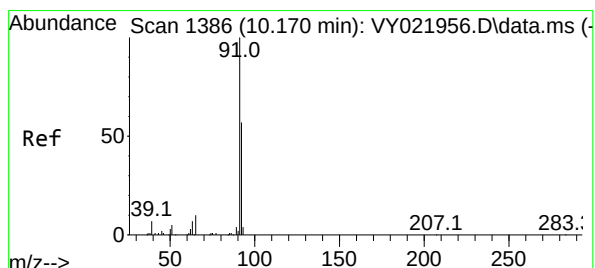
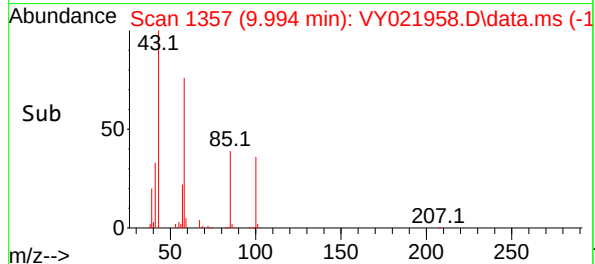
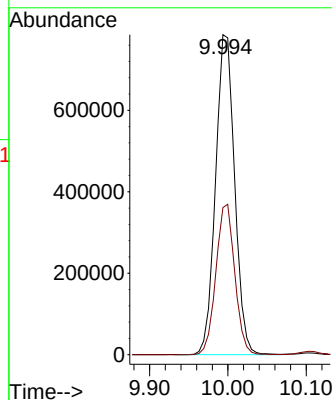
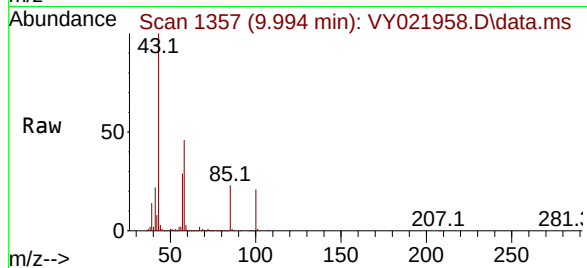
#51
4-Methyl-2-Pentanone
Concen: 773.306 ug/l
RT: 9.994 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1331129
Ion Ratio Lower Upper
43 100
58 46.5 36.6 55.0

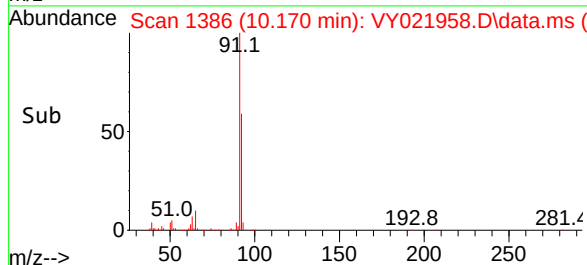
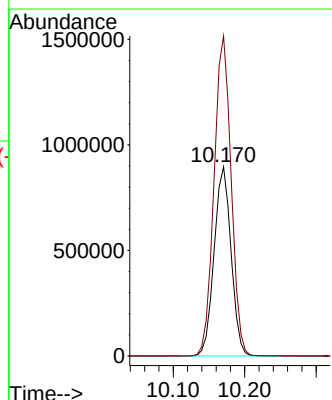
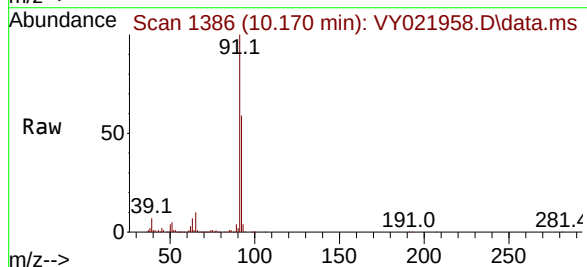
Manual Integrations
APPROVED

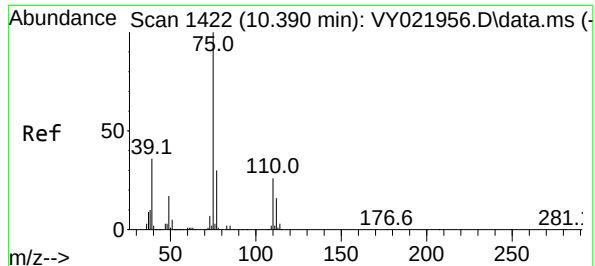
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 152.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 92 Resp: 1470005
Ion Ratio Lower Upper
92 100
91 170.9 138.6 207.8





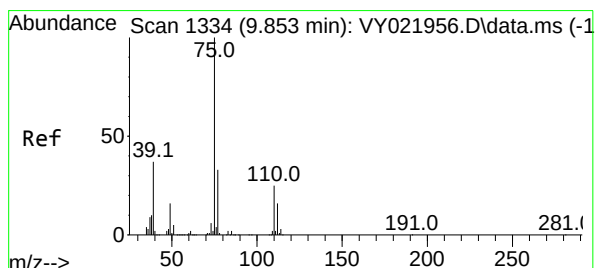
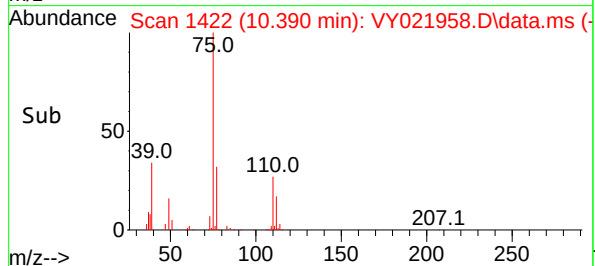
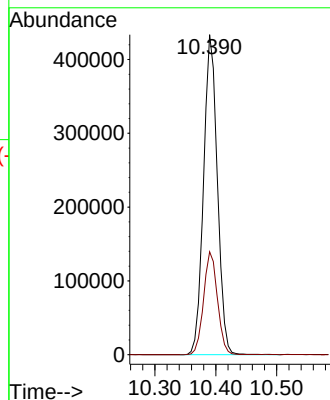
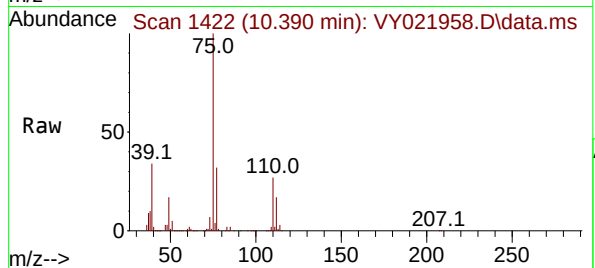
#53
t-1,3-Dichloropropene
Concen: 154.922 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 683920
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

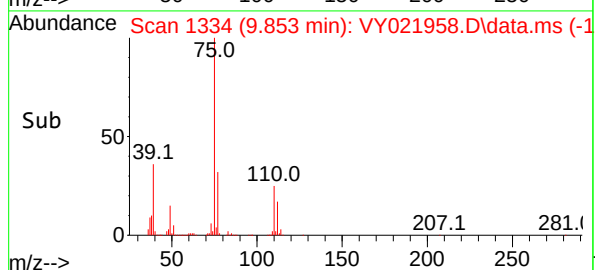
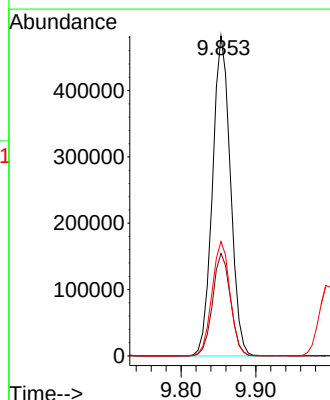
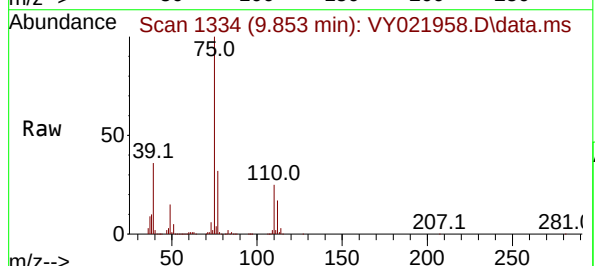
Manual Integrations
APPROVED

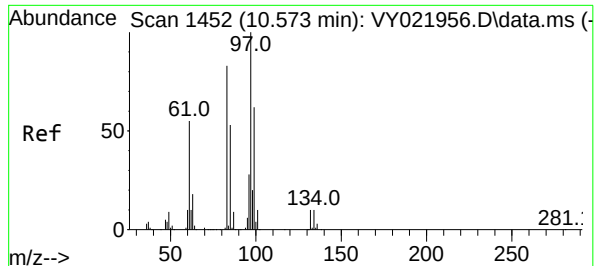
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 153.345 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

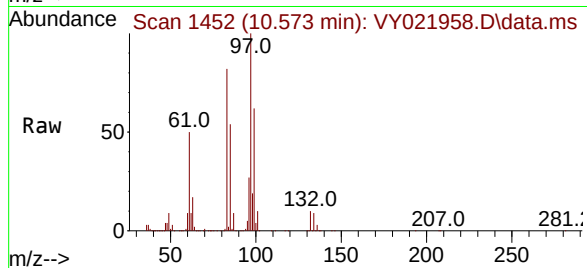
Tgt Ion: 75 Resp: 804716
Ion Ratio Lower Upper
75 100
77 32.1 26.6 40.0
39 35.7 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 147.287 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

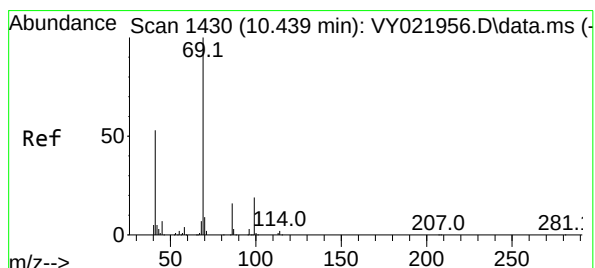
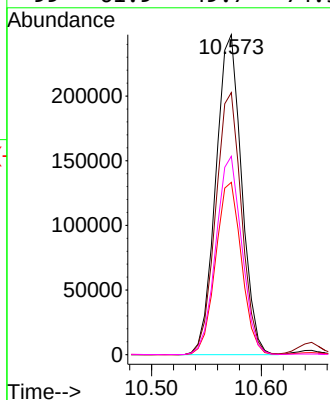
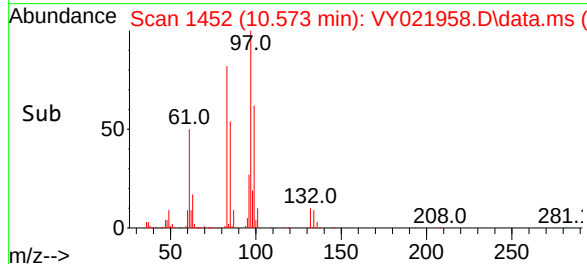
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 97 Resp: 405335
Ion Ratio Lower Upper
97 100
83 81.9 66.7 100.1
85 53.9 42.6 64.0
99 61.9 49.7 74.5

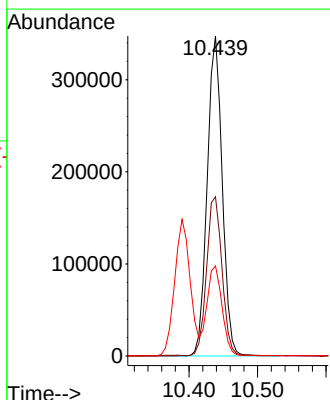
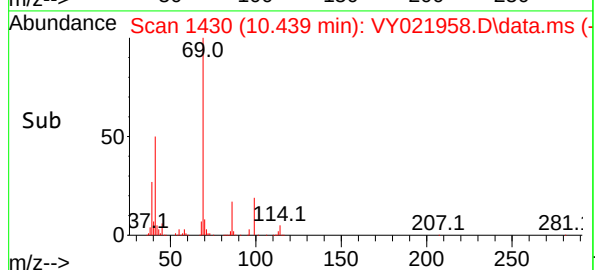
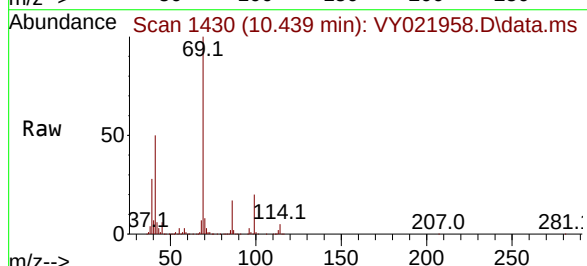
Manual Integrations
APPROVED

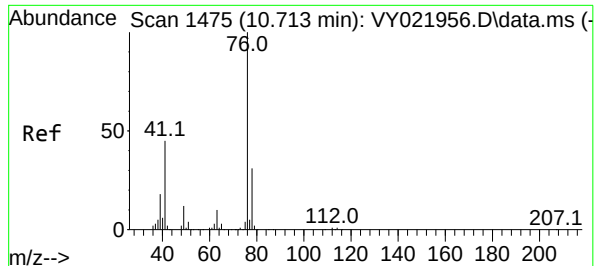
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 168.507 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

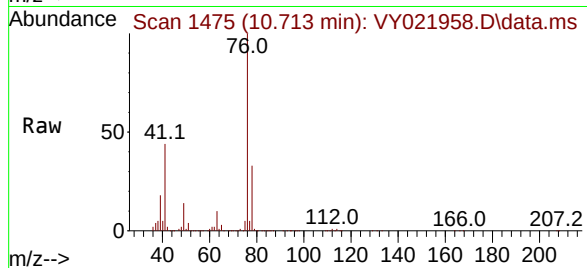
Tgt Ion: 69 Resp: 530305
Ion Ratio Lower Upper
69 100
41 50.9 40.7 61.1
39 28.4 23.3 34.9





#57
1,3-Dichloropropane
Concen: 147.471 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

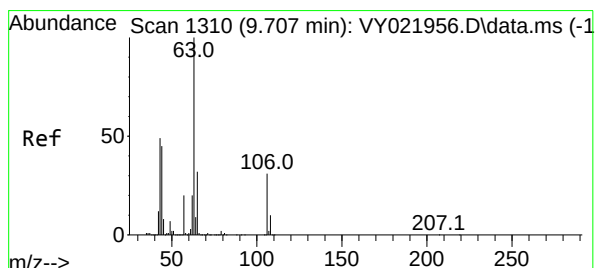
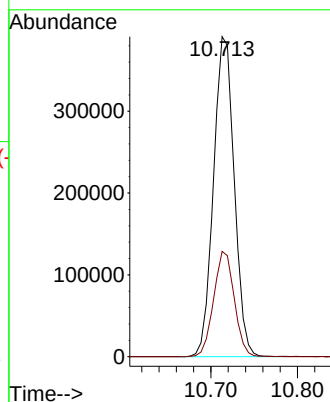
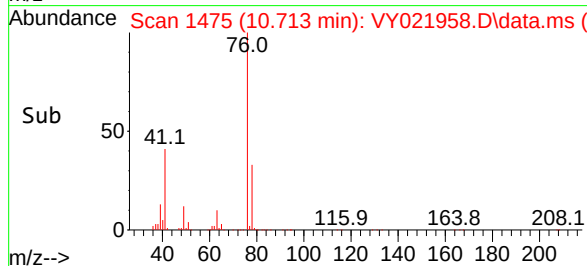
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 650614
Ion Ratio Lower Upper
76 100
78 32.7 26.6 39.8

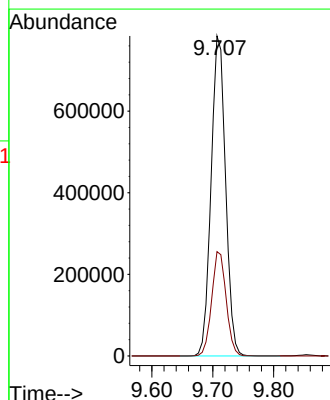
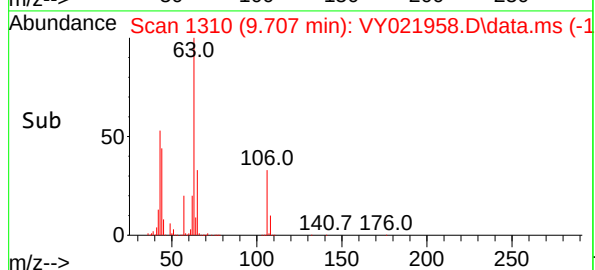
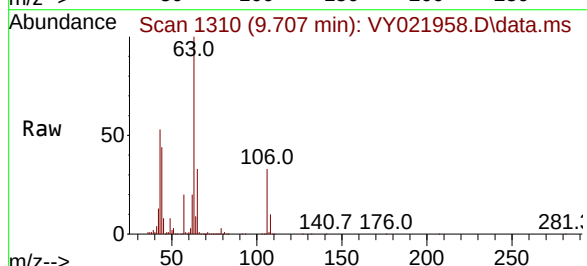
Manual Integrations
APPROVED

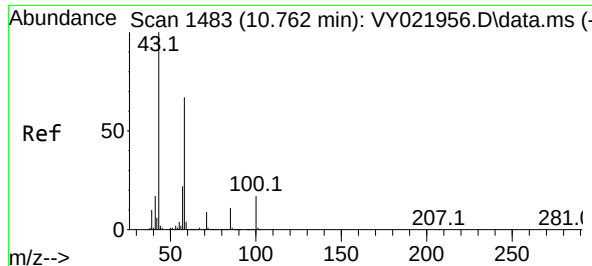
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 840.076 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 1292633
Ion Ratio Lower Upper
63 100
106 32.5 25.3 37.9





#59

2-Hexanone

Concen: 789.752 ug/l

RT: 10.756 min Scan# 1482

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 896663

Ion Ratio Lower Upper

43 100

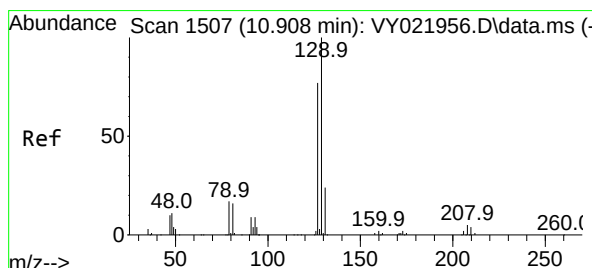
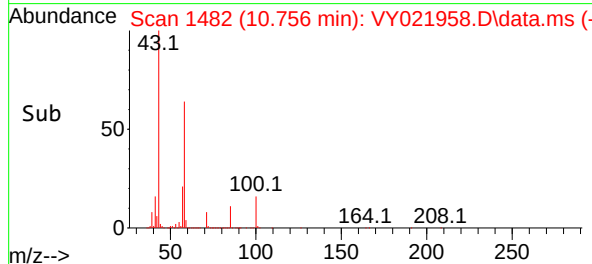
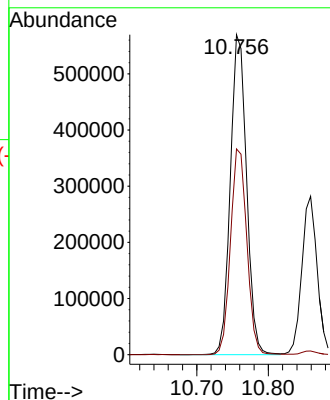
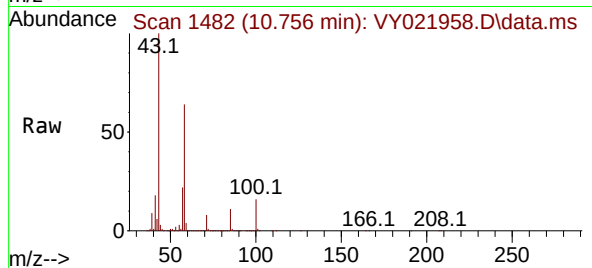
58 64.8 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#60

Dibromochloromethane

Concen: 150.763 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021958.D

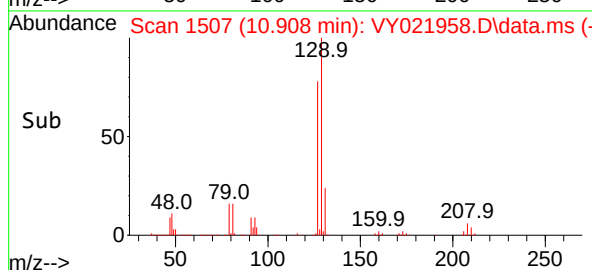
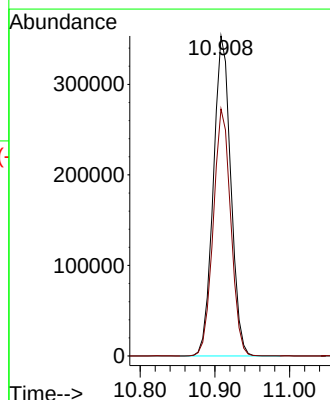
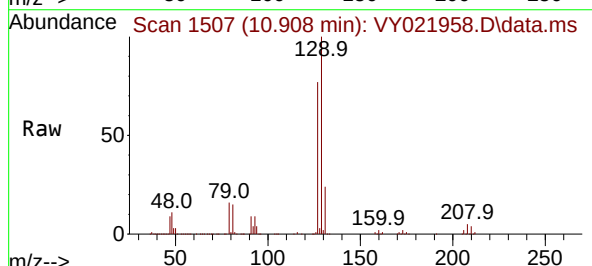
Acq: 22 Apr 2025 16:15

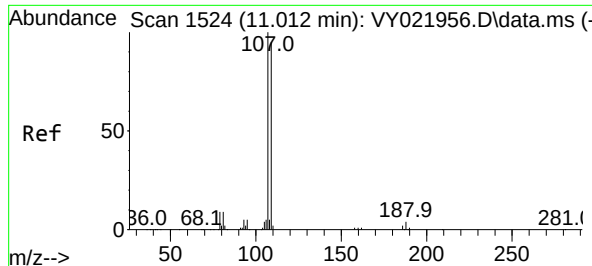
Tgt Ion:129 Resp: 574423

Ion Ratio Lower Upper

129 100

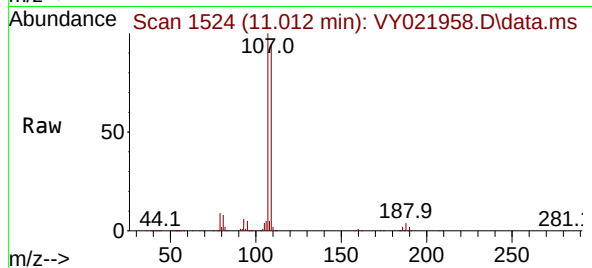
127 77.2 38.5 115.3





#61
1,2-Dibromoethane
Concen: 148.938 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

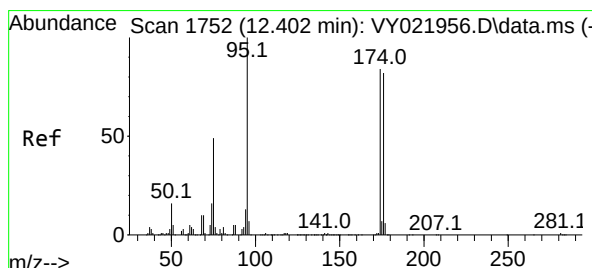
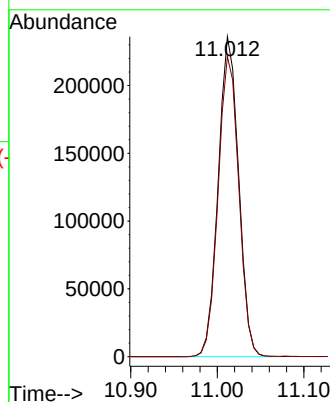
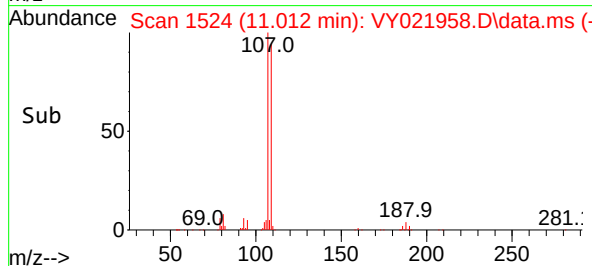
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 107 Resp: 386950
Ion Ratio Lower Upper
107 100
109 94.9 75.8 113.8

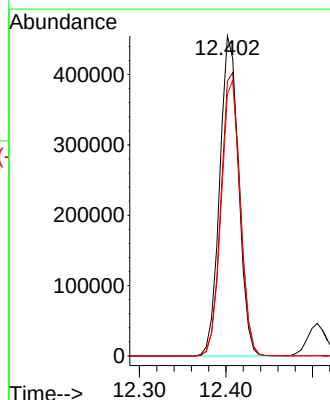
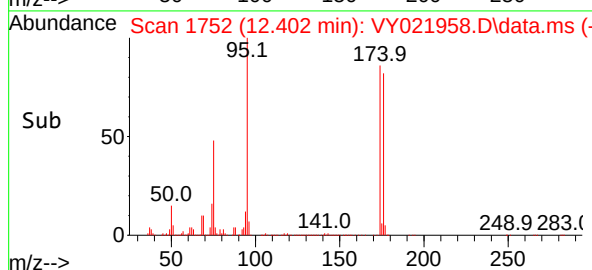
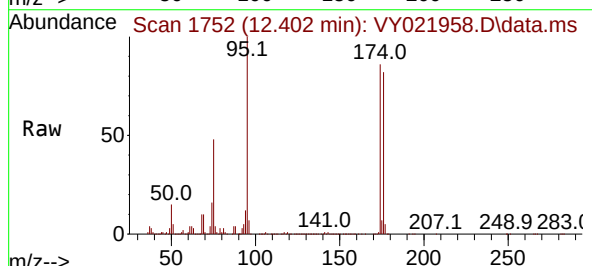
Manual Integrations
APPROVED

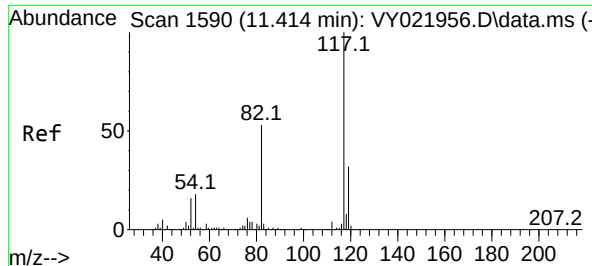
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 152.965 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

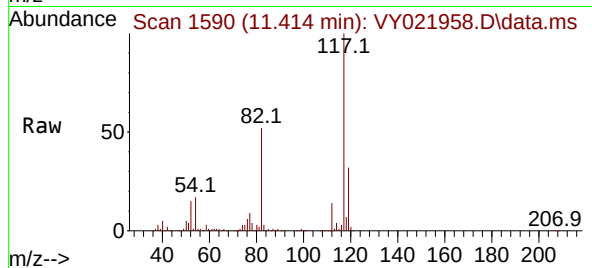
Tgt Ion: 95 Resp: 688061
Ion Ratio Lower Upper
95 100
174 90.4 0.0 179.0
176 86.9 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

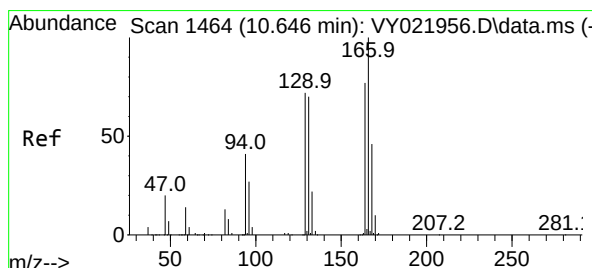
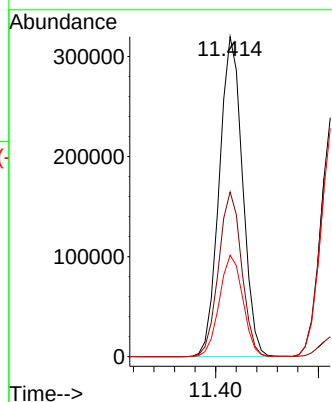
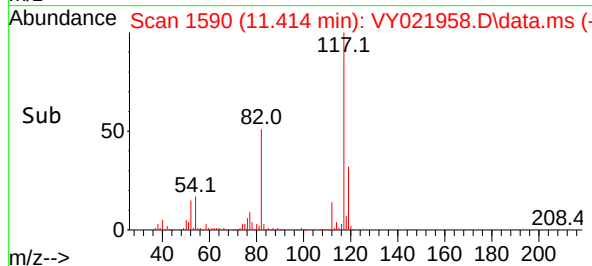
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:117 Resp: 502240
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 31.7 25.7 38.5

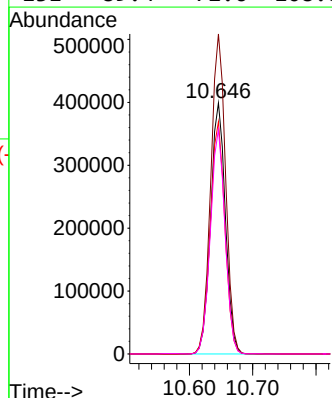
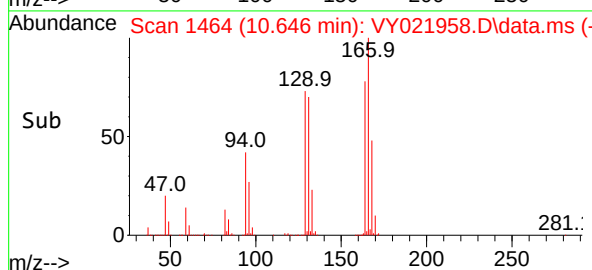
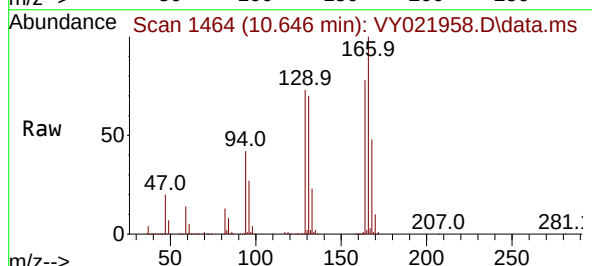
Manual Integrations
APPROVED

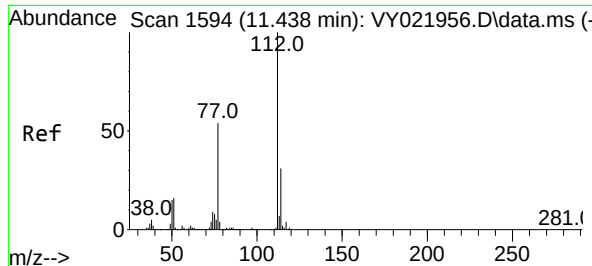
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 136.828 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

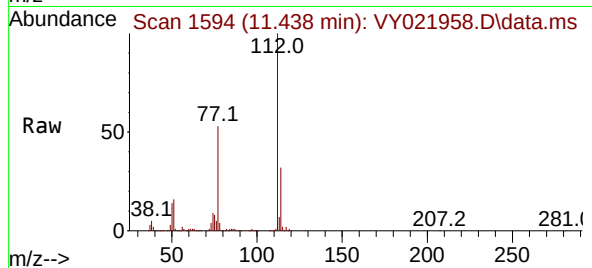
Tgt Ion:164 Resp: 648295
Ion Ratio Lower Upper
164 100
166 127.4 103.6 155.4
129 92.5 74.2 111.4
131 89.4 72.6 108.8





#65
Chlorobenzene
Concen: 146.452 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

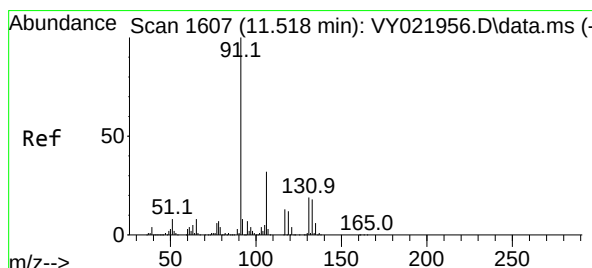
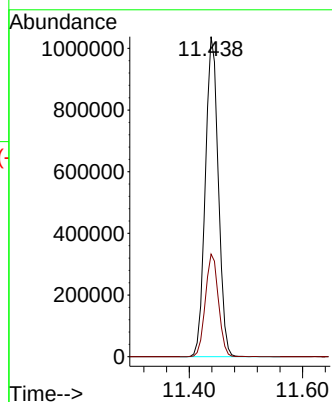
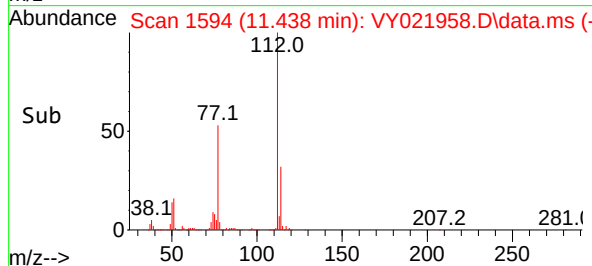
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 1644879
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

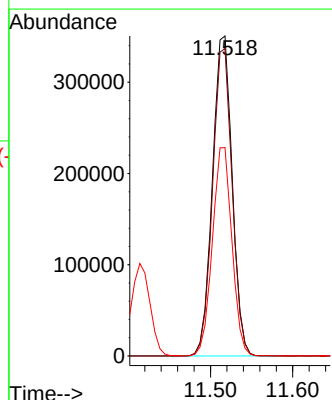
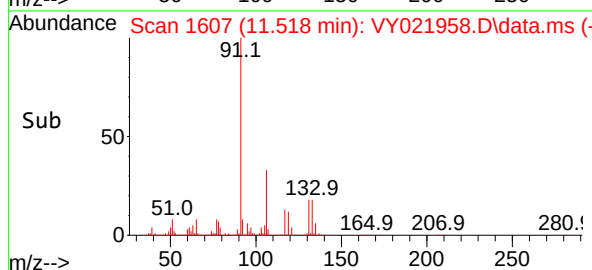
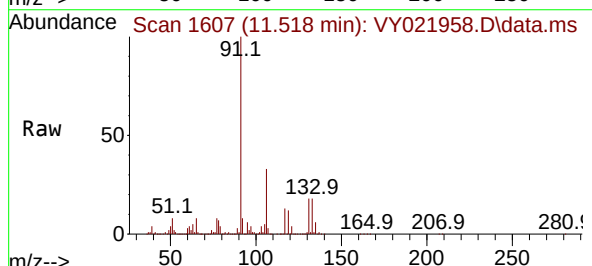
Manual Integrations
APPROVED

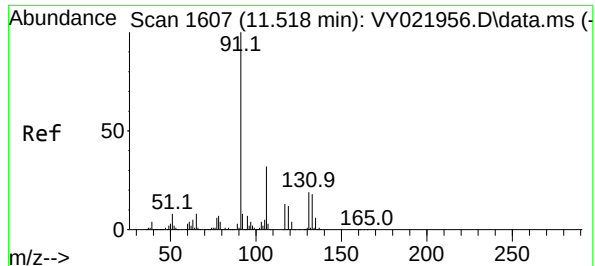
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 147.925 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

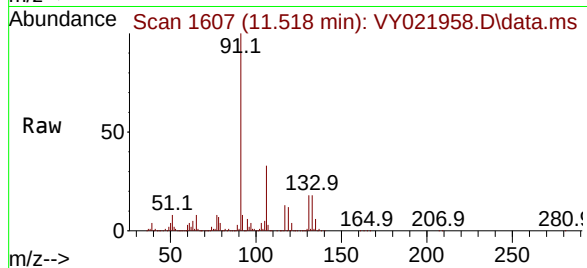
Tgt Ion:131 Resp: 584913
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 64.6 32.4 97.0





#67
Ethyl Benzene
Concen: 155.641 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

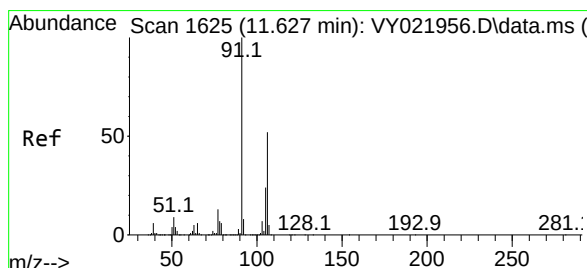
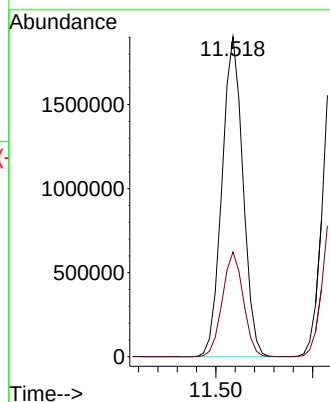
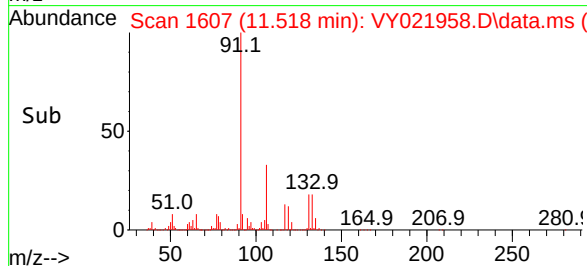
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



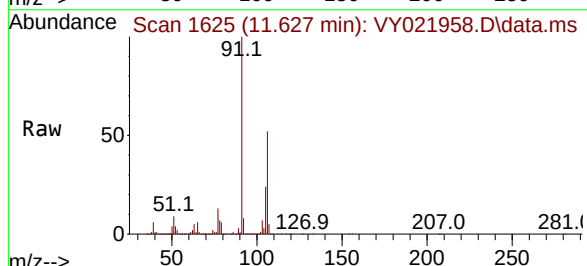
Tgt Ion: 91 Resp: 285958
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9

Manual Integrations
APPROVED

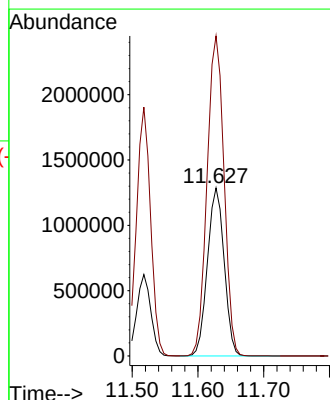
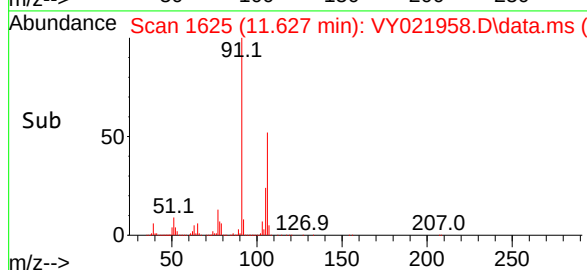
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

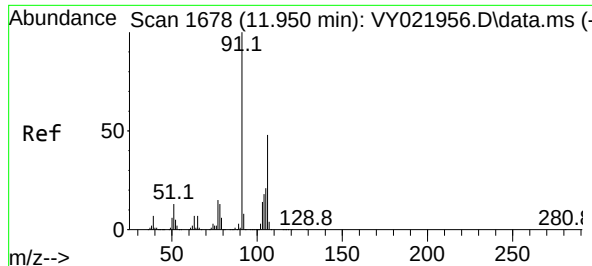


#68
m/p-Xylenes
Concen: 310.594 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15



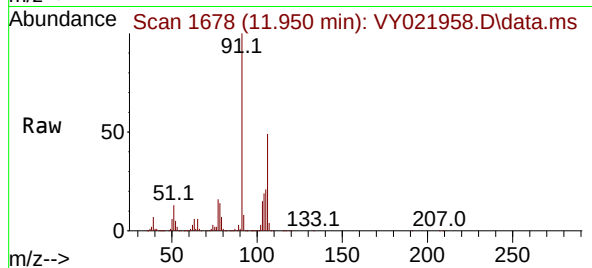
Tgt Ion:106 Resp: 2270756
Ion Ratio Lower Upper
106 100
91 193.3 156.2 234.2





#69
o-Xylene
Concen: 160.131 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

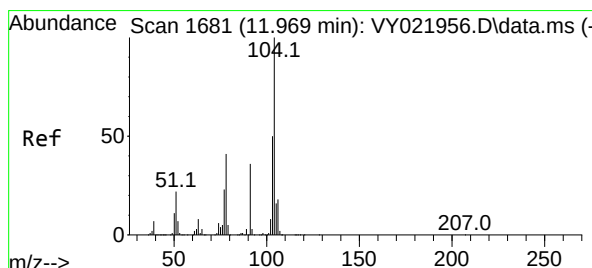
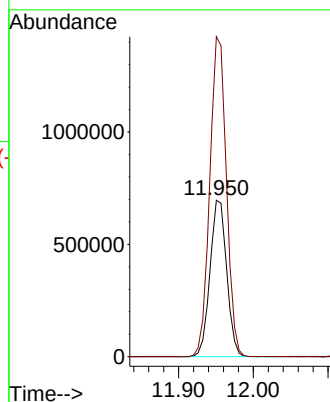
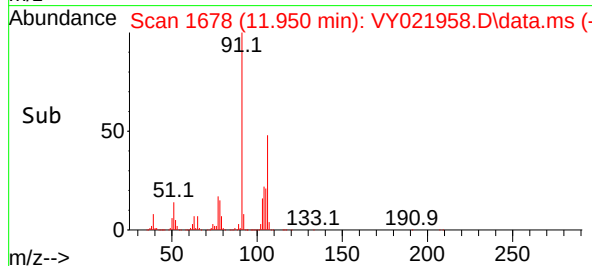
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:106 Resp: 1079030
Ion Ratio Lower Upper
106 100
91 204.3 103.0 308.9

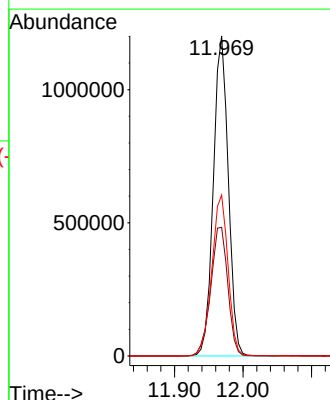
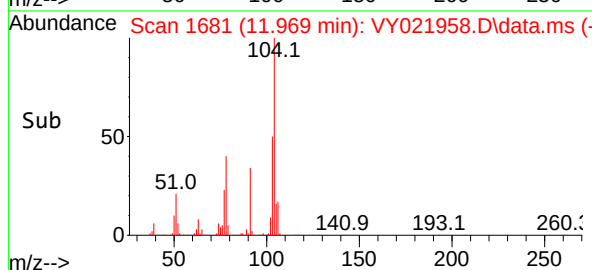
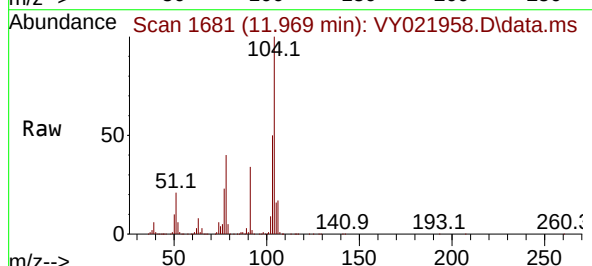
Manual Integrations
APPROVED

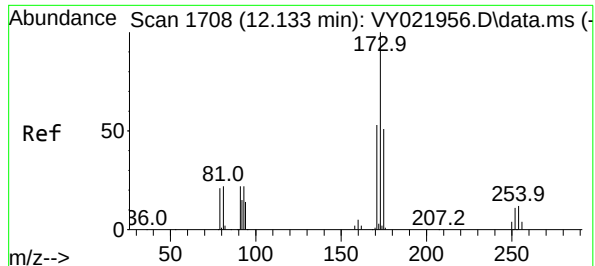
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 160.979 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

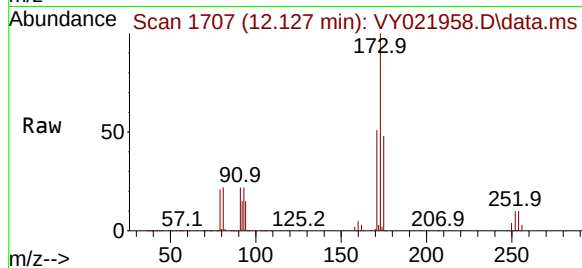
Tgt Ion:104 Resp: 1821333
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 54.6 43.8 65.8





#71
Bromoform
Concen: 150.413 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

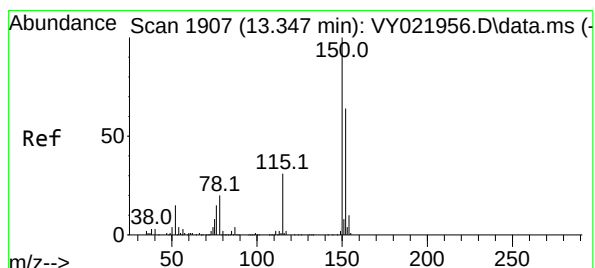
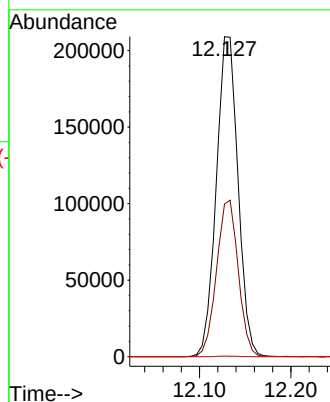
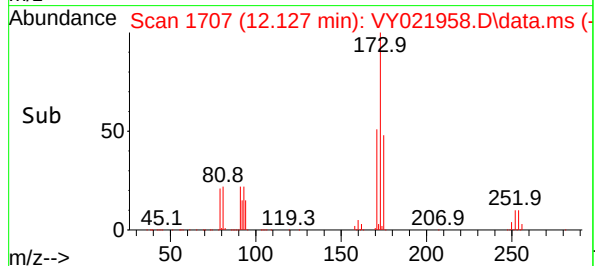
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



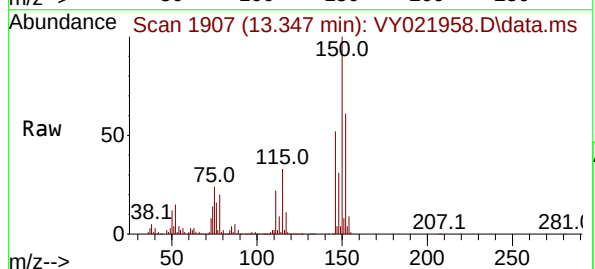
Tgt Ion:173 Resp: 34578
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.8
254 0.2 0.0 0.0

Manual Integrations
APPROVED

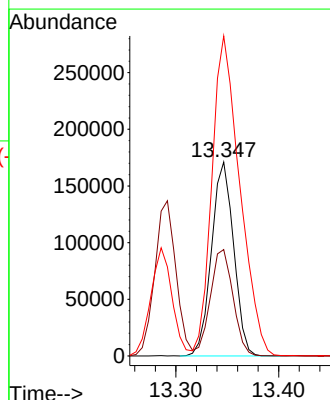
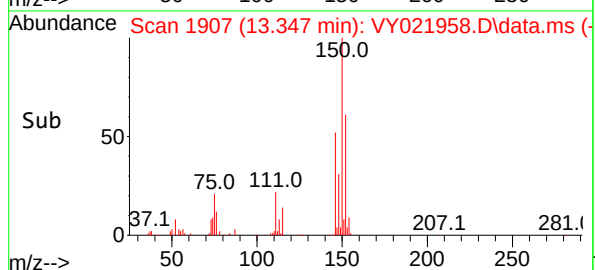
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

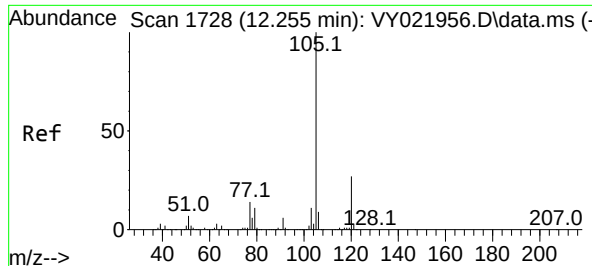


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15



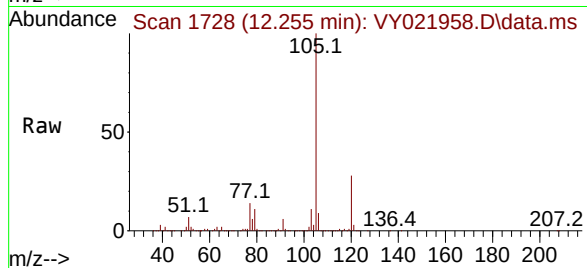
Tgt Ion:152 Resp: 256233
Ion Ratio Lower Upper
152 100
115 55.9 28.0 84.0
150 207.6 0.0 345.6





#73
Isopropylbenzene
Concen: 161.622 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

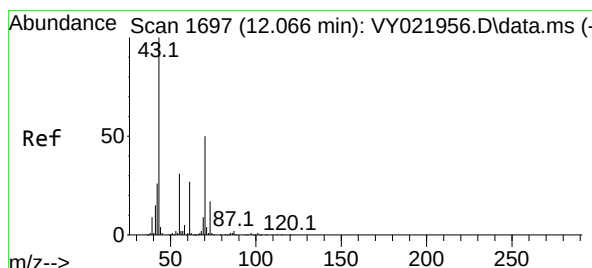
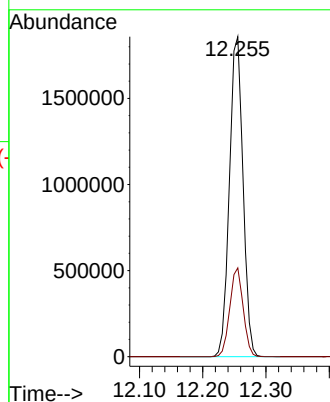
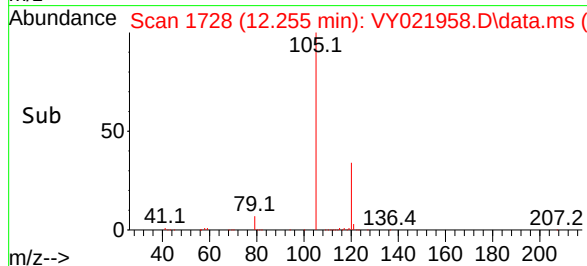
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 105 Resp: 276682
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5

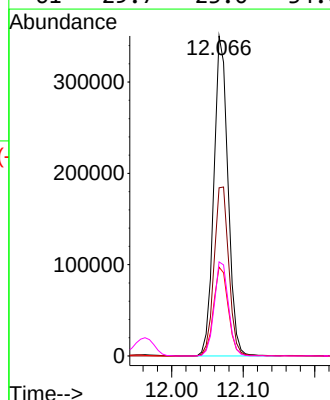
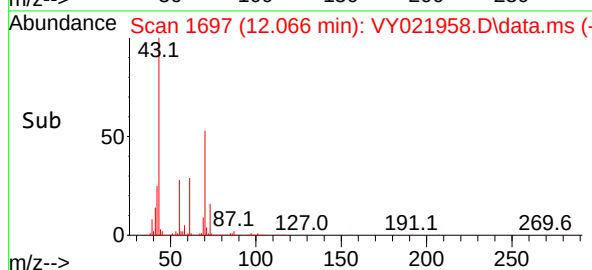
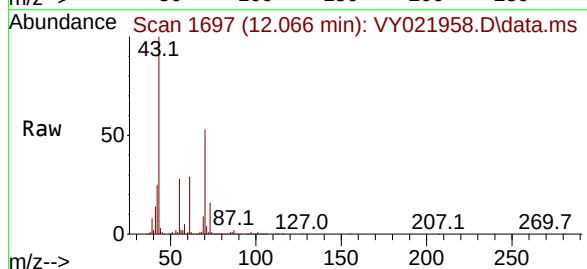
Manual Integrations
APPROVED

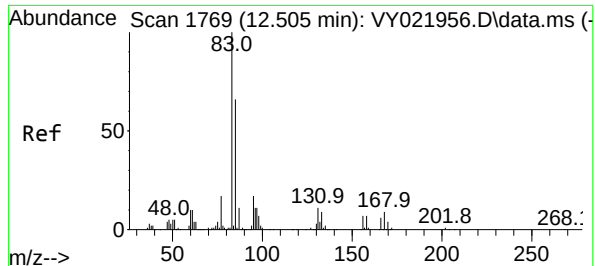
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 163.570 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

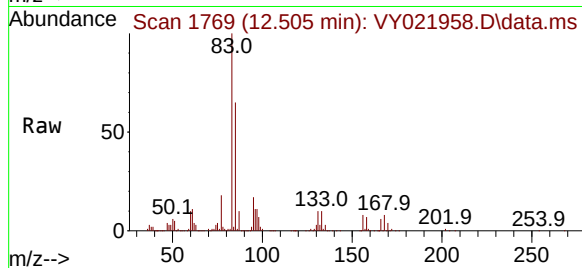
Tgt Ion: 43 Resp: 481095
Ion Ratio Lower Upper
43 100
70 55.2 43.2 64.8
55 29.0 25.7 38.5
61 29.7 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 148.581 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

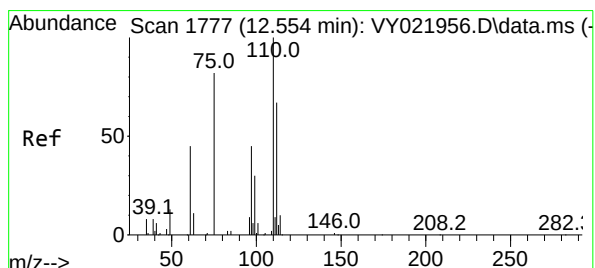
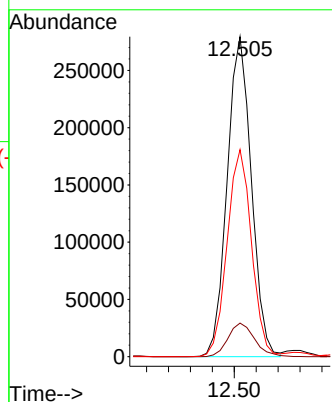
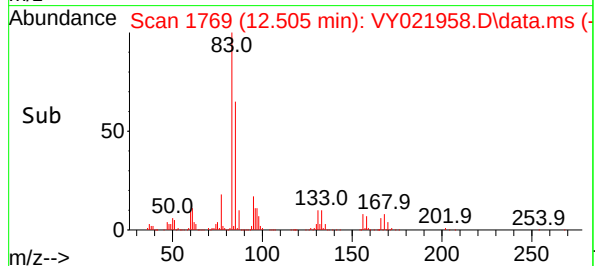
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 428838
Ion Ratio Lower Upper
83 100
131 11.5 5.5 16.4
85 65.1 32.3 96.8

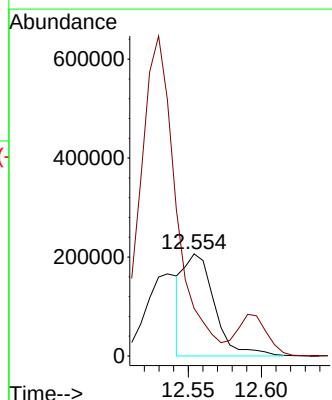
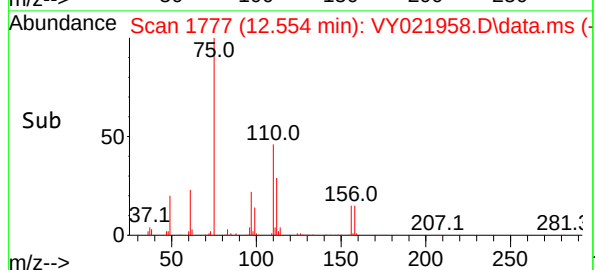
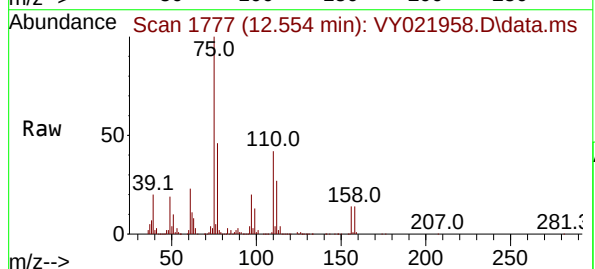
Manual Integrations
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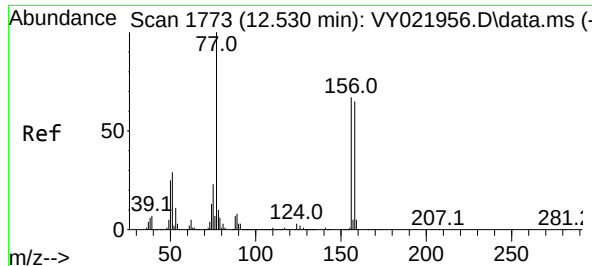
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 135.026 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 304860
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





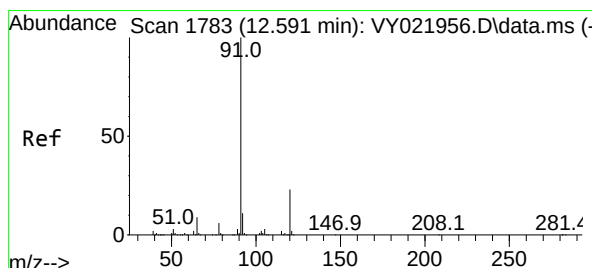
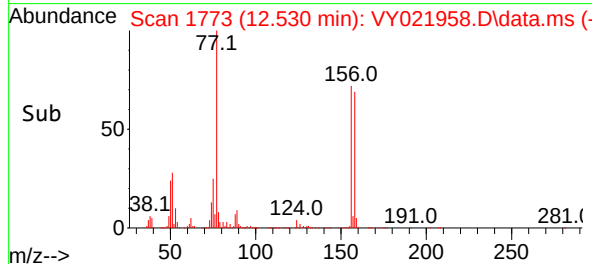
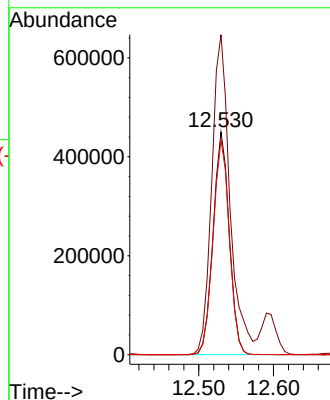
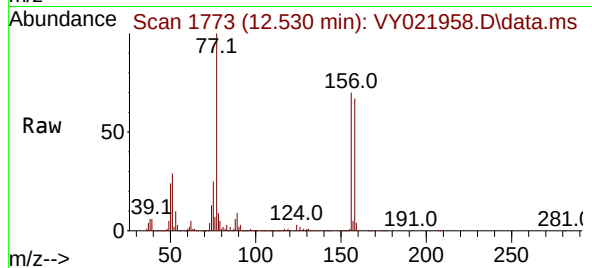
#77
Bromobenzene
Concen: 156.545 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 677170
Ion Ratio Lower Upper
156 100
77 161.9 82.7 248.1
158 97.2 48.1 144.4

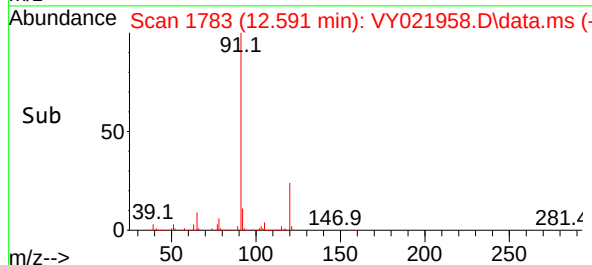
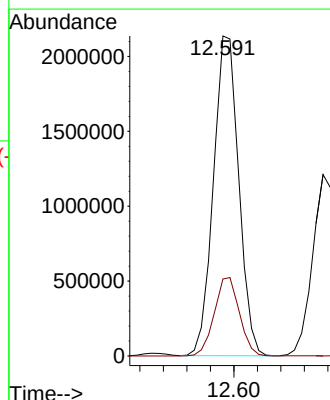
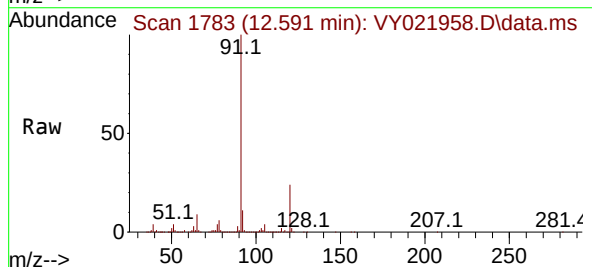
Manual Integrations
APPROVED

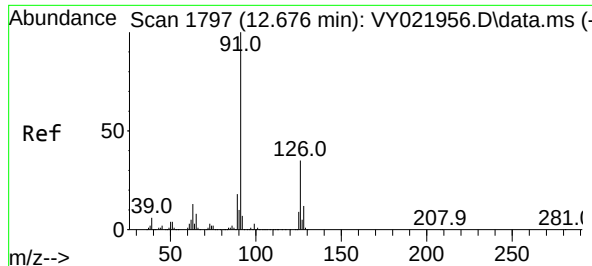
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 156.567 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 3191904
Ion Ratio Lower Upper
91 100
120 24.3 11.9 35.5





#79

2-Chlorotoluene

Concen: 155.043 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1838218

Ion Ratio Lower Upper

91 100

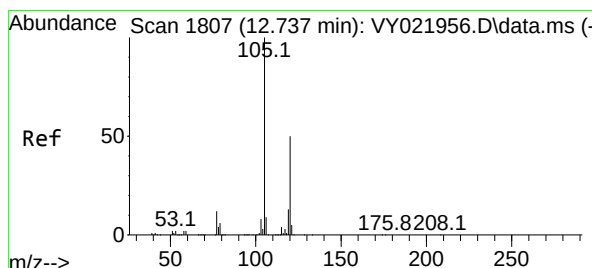
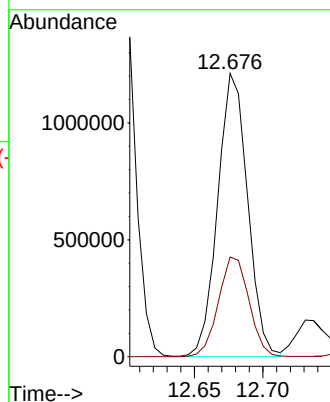
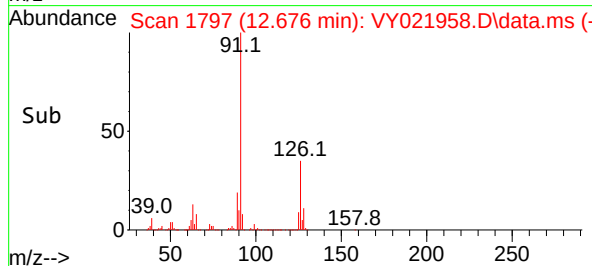
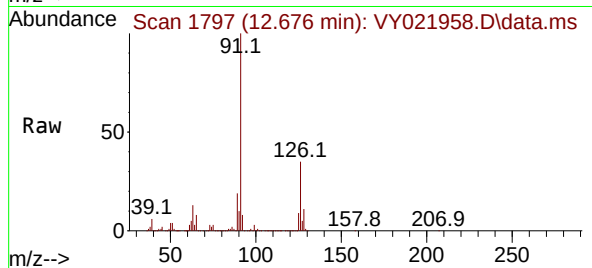
126 36.0 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 157.948 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021958.D

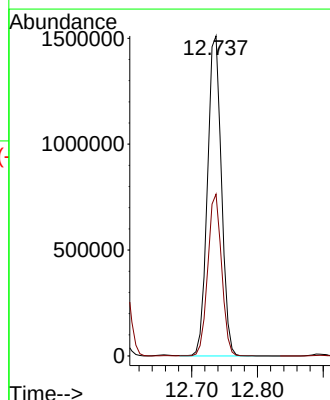
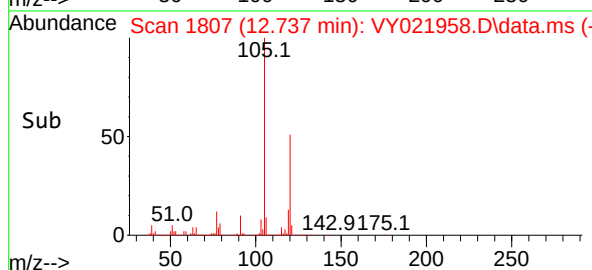
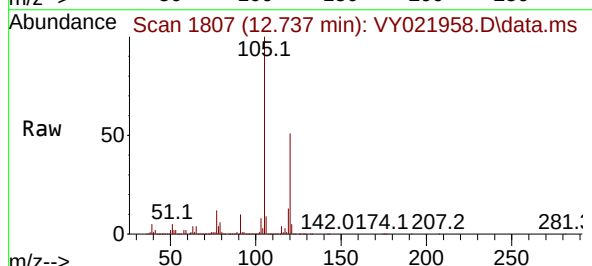
Acq: 22 Apr 2025 16:15

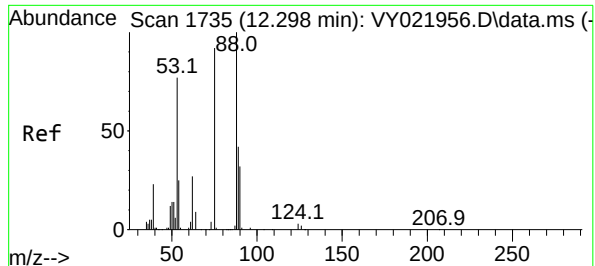
Tgt Ion:105 Resp: 2227887

Ion Ratio Lower Upper

105 100

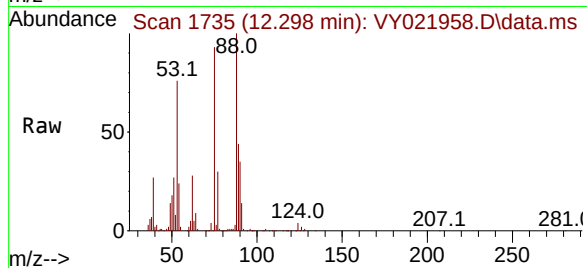
120 50.2 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 152.337 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

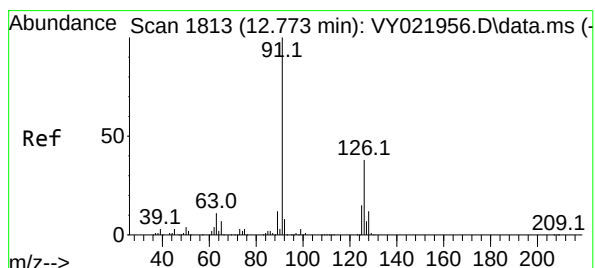
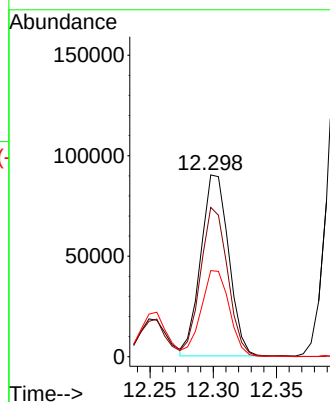
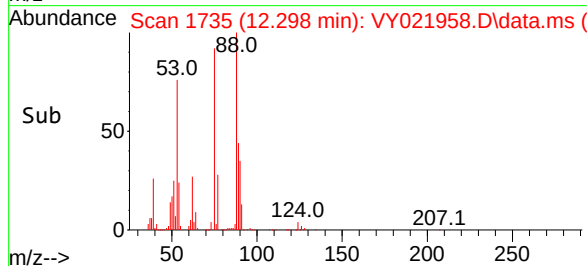
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 138838
Ion Ratio Lower Upper
75 100
53 80.5 66.0 99.0
89 48.1 37.2 55.8

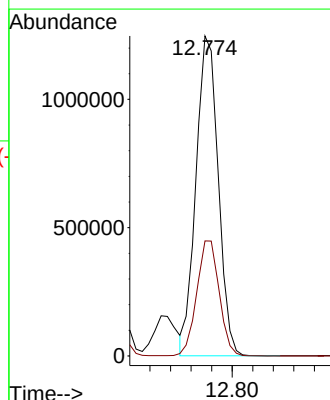
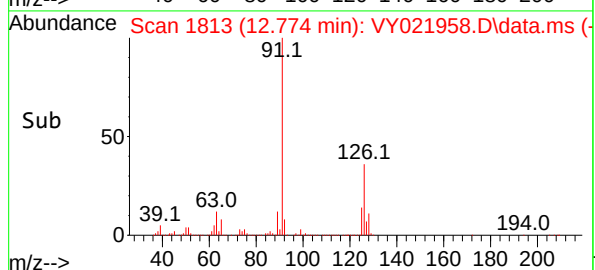
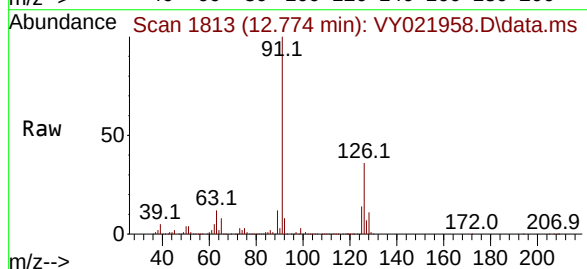
Manual Integrations
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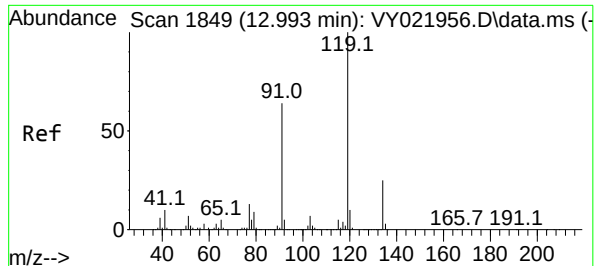
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 152.484 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 1879346
Ion Ratio Lower Upper
91 100
126 36.4 17.9 53.8





#83

tert-Butylbenzene

Concen: 164.108 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 207600

Ion Ratio Lower Upper

119 100

91 60.6 30.3 90.9

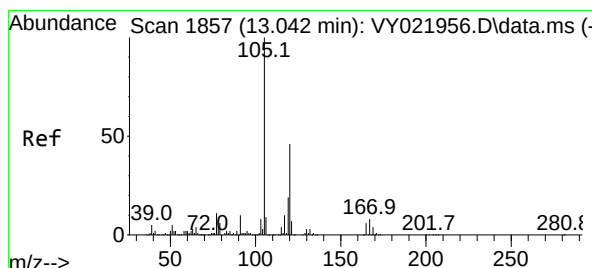
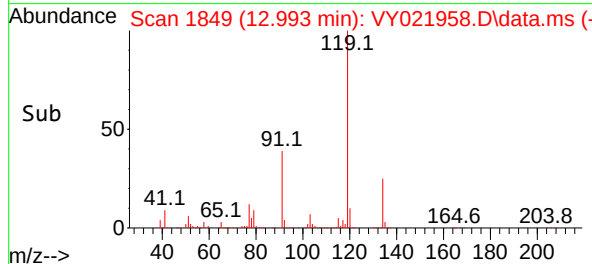
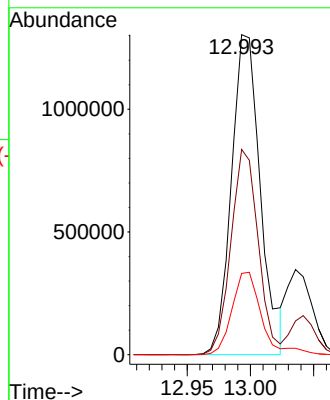
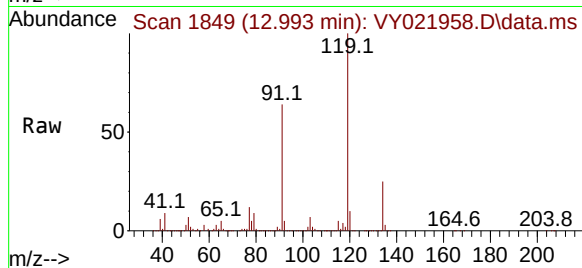
134 26.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 160.437 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021958.D

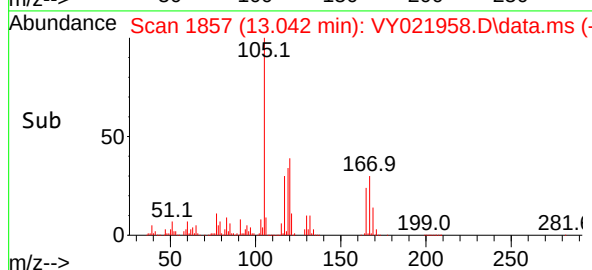
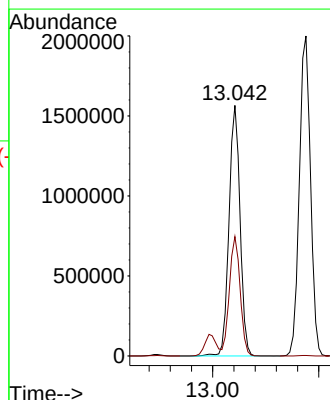
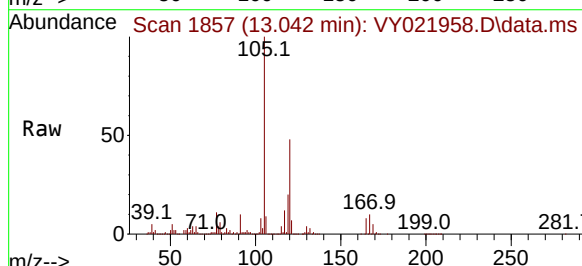
Acq: 22 Apr 2025 16:15

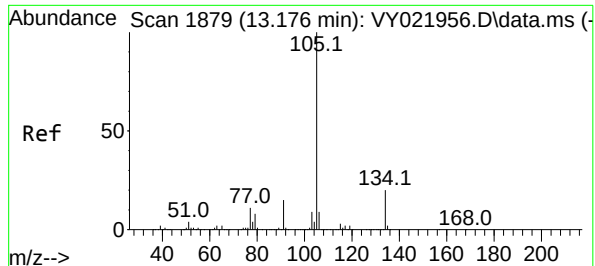
Tgt Ion:105 Resp: 2263509

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 157.224 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 291039

Ion Ratio Lower Upper

105 100

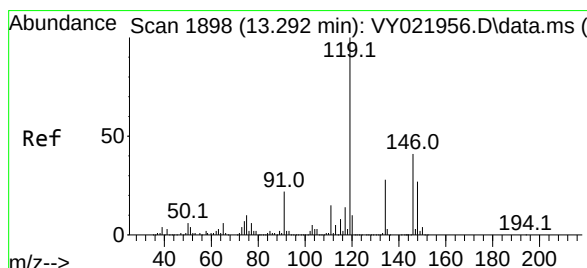
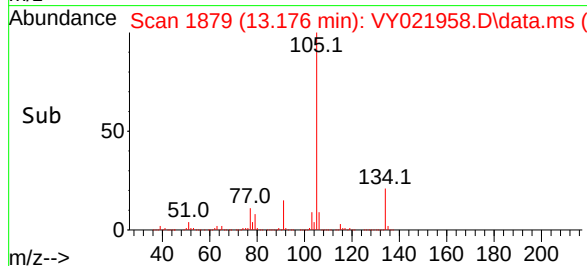
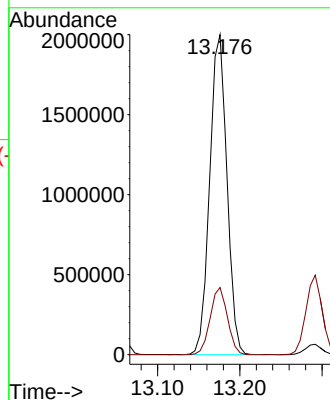
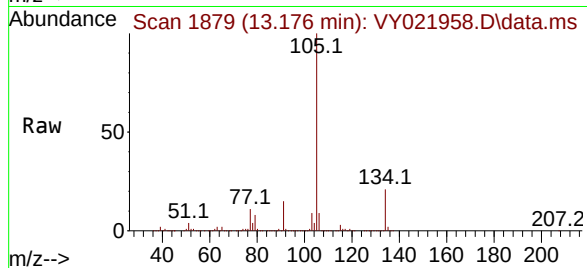
134 21.0 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#86

p-Isopropyltoluene

Concen: 162.413 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

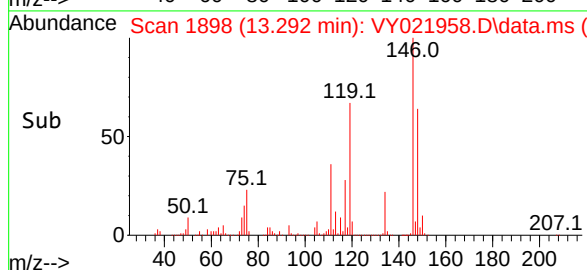
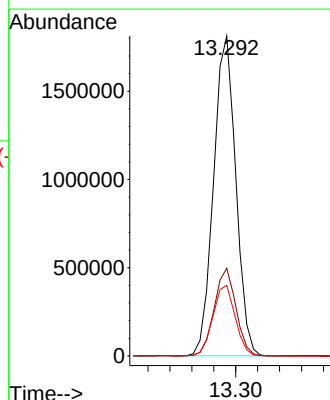
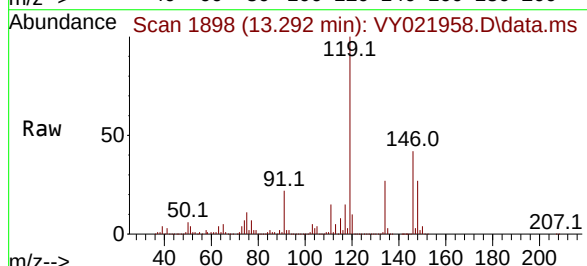
Tgt Ion:119 Resp: 2552924

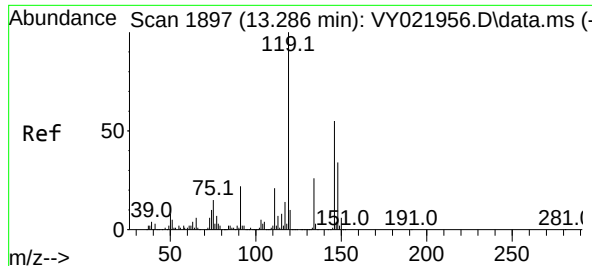
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.2 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 152.409 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 1339029

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

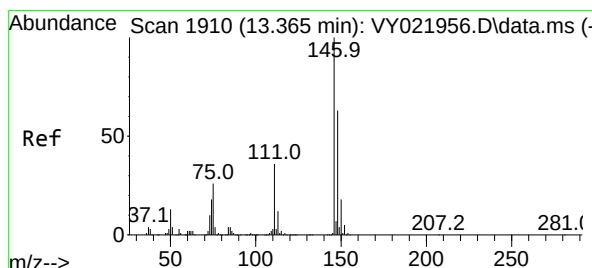
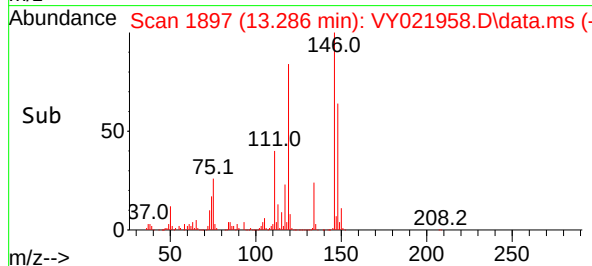
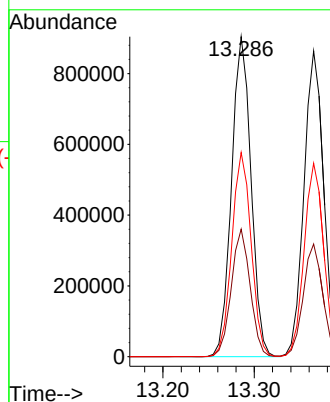
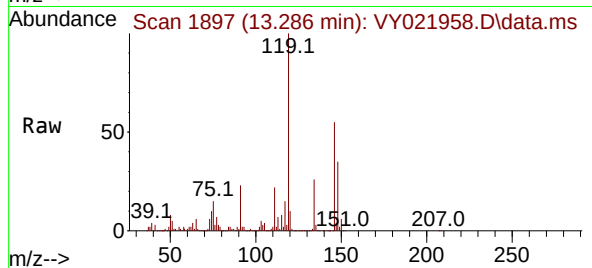
148 63.5 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 148.621 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

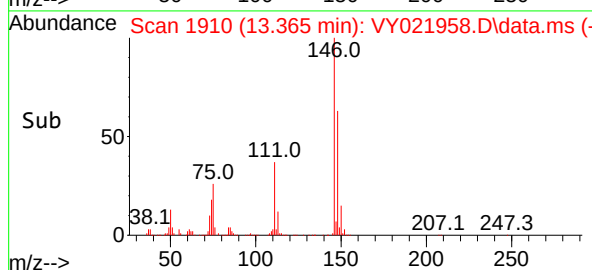
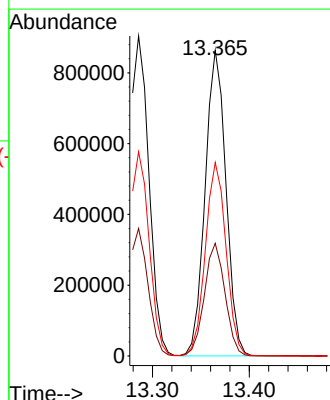
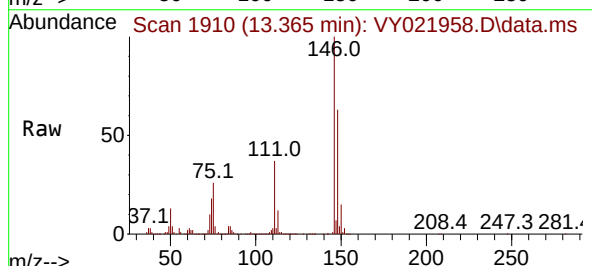
Tgt Ion:146 Resp: 1293200

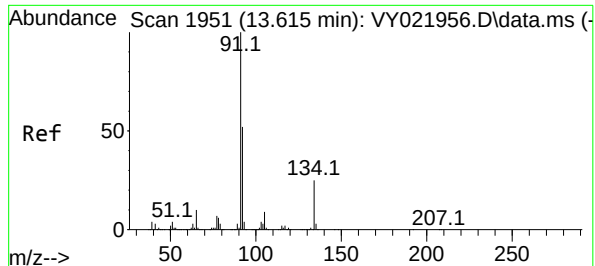
Ion Ratio Lower Upper

146 100

111 36.6 19.2 57.6

148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 159.720 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 224406

Ion Ratio Lower Upper

91 100

92 53.9 26.5 79.5

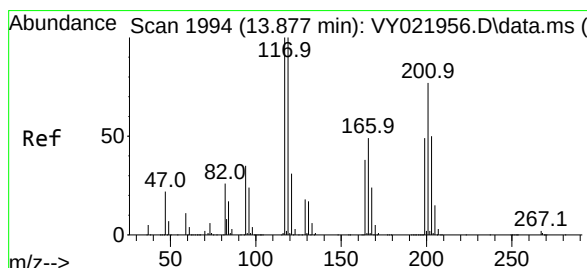
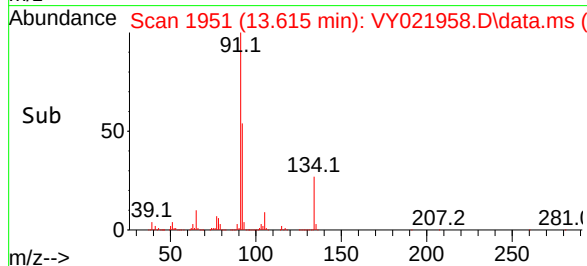
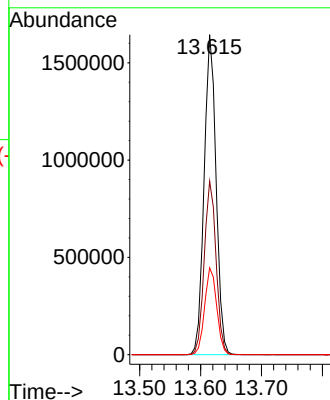
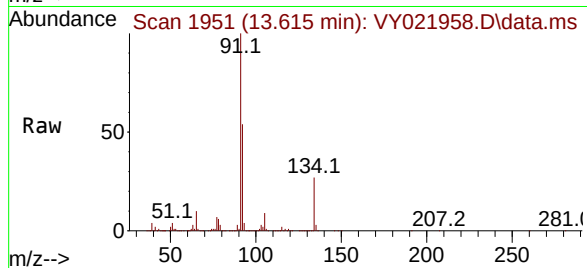
134 27.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 150.683 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021958.D

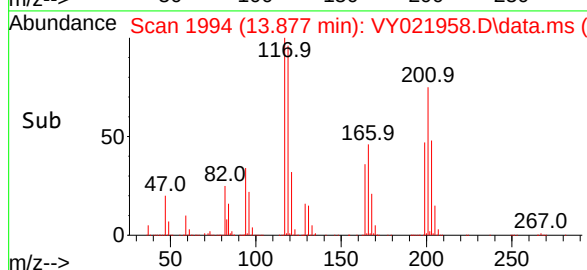
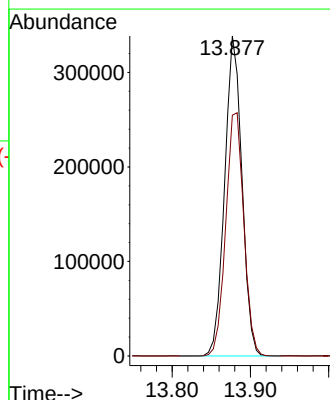
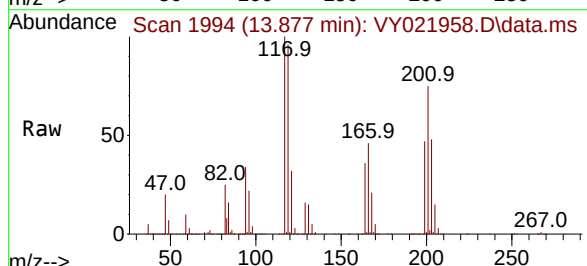
Acq: 22 Apr 2025 16:15

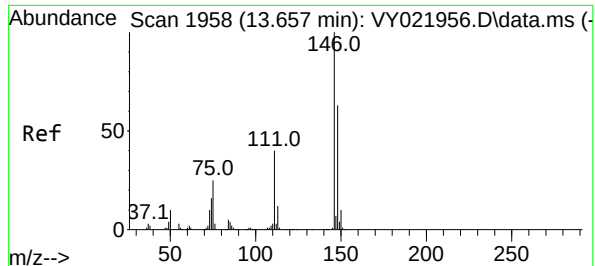
Tgt Ion:117 Resp: 520392

Ion Ratio Lower Upper

117 100

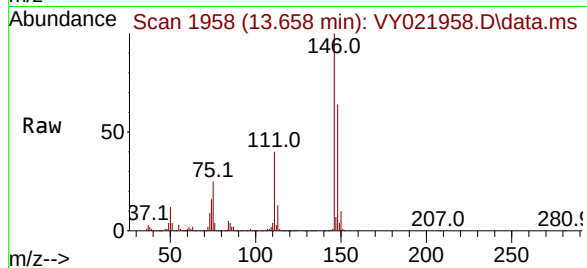
201 79.2 38.7 116.1





#91
1,2-Dichlorobenzene
Concen: 150.940 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

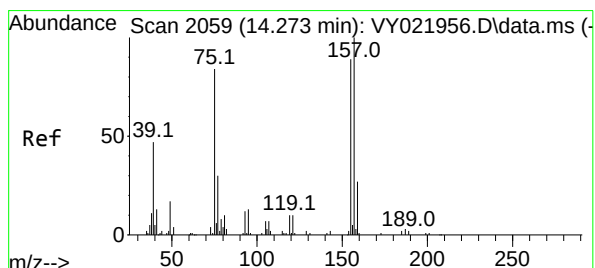
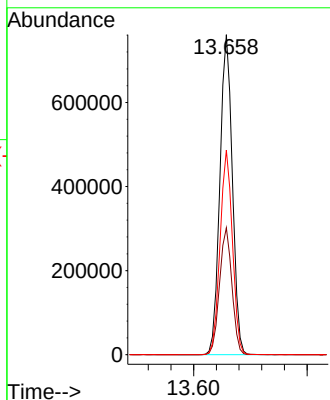
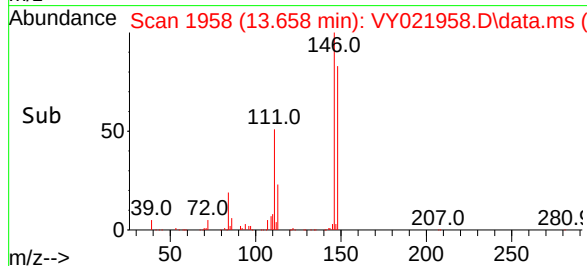
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:146 Resp: 115663
Ion Ratio Lower Upper
146 100
111 39.5 19.7 59.1
148 63.4 32.1 96.3

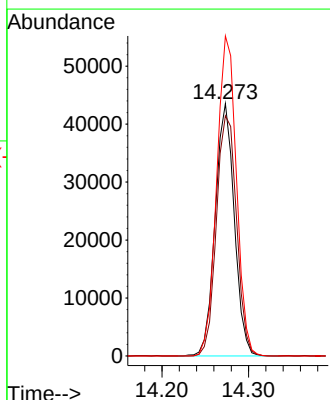
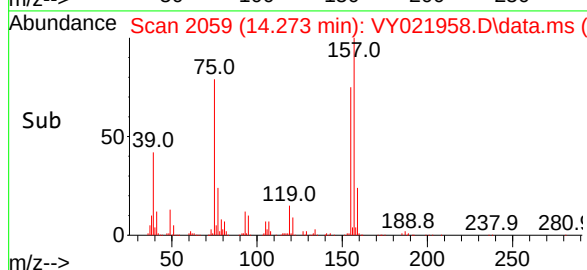
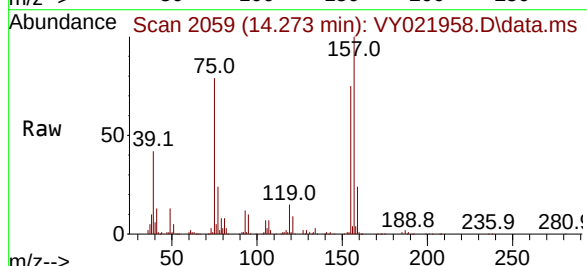
Manual Integrations
APPROVED

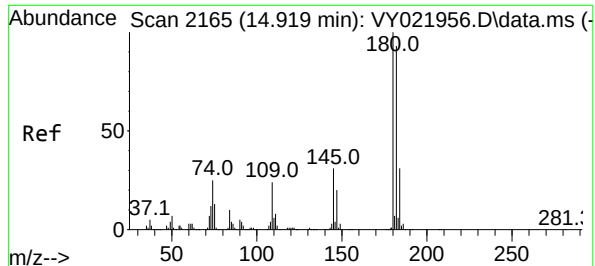
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 145.323 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 66731
Ion Ratio Lower Upper
75 100
155 100.4 50.7 152.3
157 130.3 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 169.770 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

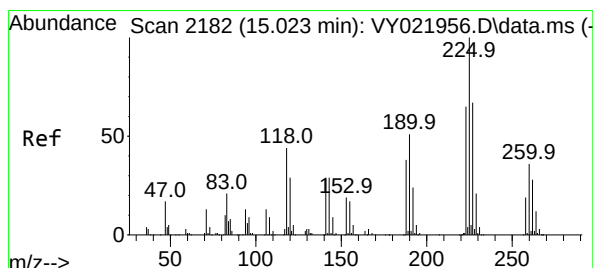
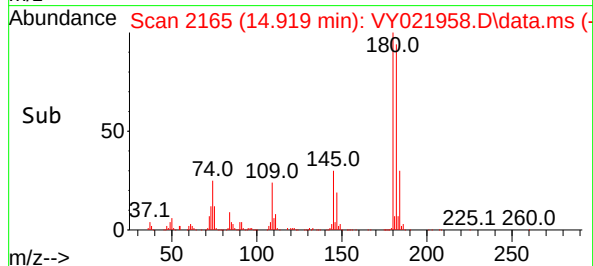
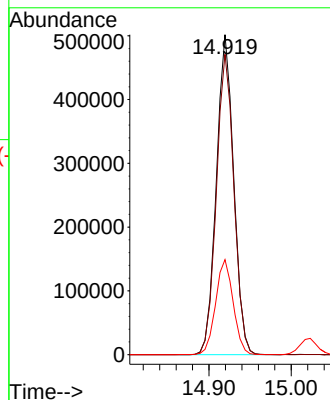
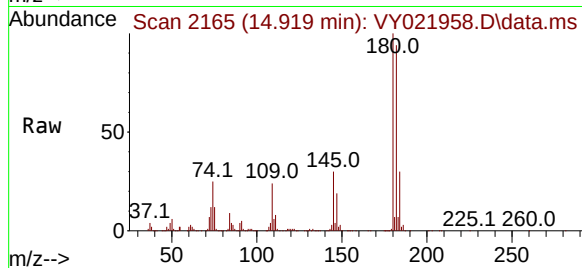
VSTDIC150

Tgt Ion:180	Resp: 737198
Ion Ratio	Lower Upper
180	100
182	95.1 47.1 141.4
145	30.1 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 156.384 ug/l

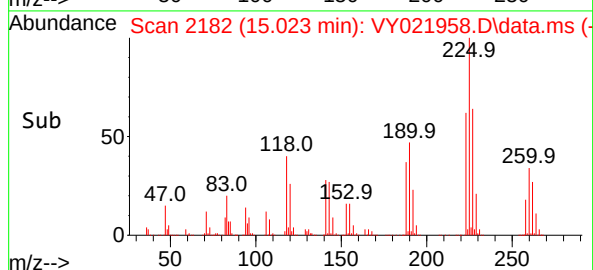
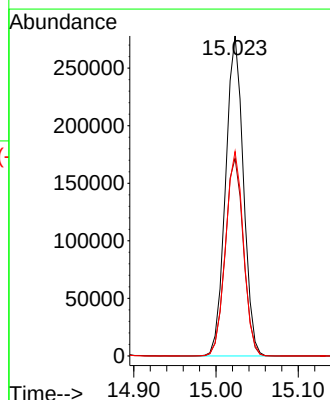
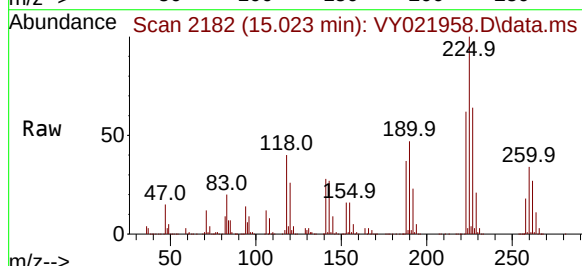
RT: 15.023 min Scan# 2182

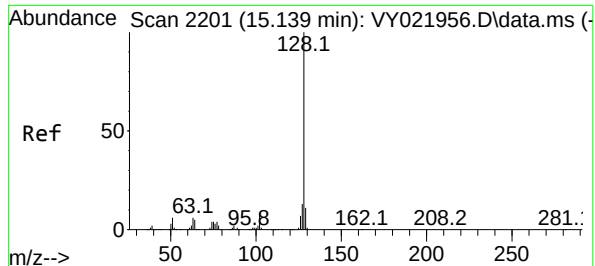
Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion:225	Resp: 417808
Ion Ratio	Lower Upper
225	100
223	62.9 31.9 95.5
227	64.1 32.3 96.9





#95

Naphthalene

Concen: 185.231 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 1336140

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

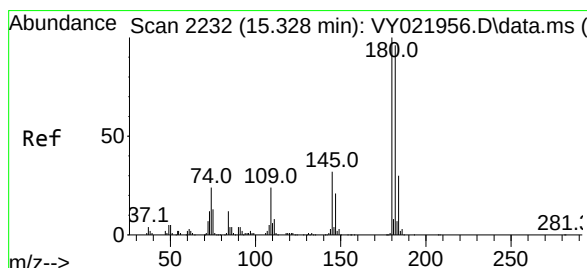
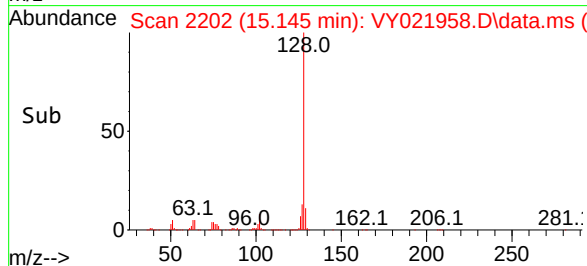
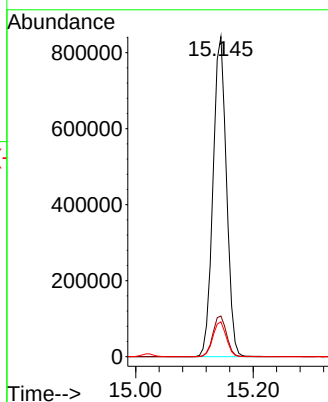
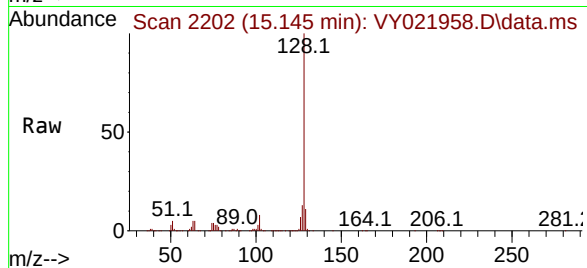
129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 169.182 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

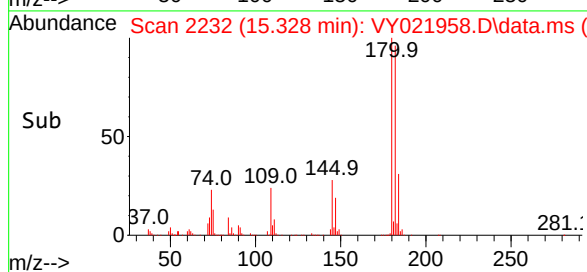
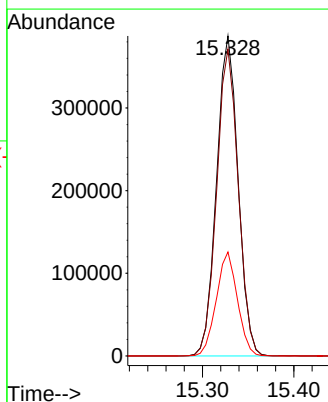
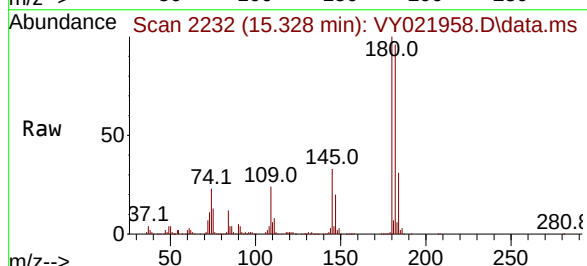
Tgt Ion:180 Resp: 634152

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 31.9 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021960.D
 Acq On : 22 Apr 2025 17:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225

Quant Time: Apr 23 02:36:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	332081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	512398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	467094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250602	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	147920	48.224	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.440%
35) Dibromofluoromethane	7.634	113	165837	48.989	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.980%
50) Toluene-d8	10.103	98	644989	50.539	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.080%
62) 4-Bromofluorobenzene	12.402	95	219958	51.198	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	131226	46.375	ug/l	99
3) Chloromethane	2.068	50	183085	45.440	ug/l	97
4) Vinyl Chloride	2.202	62	224944	45.432	ug/l	99
5) Bromomethane	2.592	94	176551	41.389	ug/l	98
6) Chloroethane	2.733	64	149594	44.363	ug/l	96
7) Trichlorofluoromethane	3.056	101	301166	46.128	ug/l	98
8) Diethyl Ether	3.452	74	78016	45.910	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	163507	46.166	ug/l	99
10) Methyl Iodide	4.001	142	185031	45.123	ug/l	99
11) Tert butyl alcohol	4.872	59	38184	226.751	ug/l	97
12) 1,1-Dichloroethene	3.787	96	159060	48.182	ug/l	98
13) Acrolein	3.653	56	68719	227.366	ug/l	99
14) Allyl chloride	4.379	41	182426	47.458	ug/l	99
15) Acrylonitrile	5.055	53	140962	226.587	ug/l	98
16) Acetone	3.873	43	93445	231.130	ug/l	90
17) Carbon Disulfide	4.104	76	494065	46.938	ug/l	99
18) Methyl Acetate	4.385	43	70072	48.904	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	353863	47.891	ug/l	99
20) Methylene Chloride	4.610	84	175109	45.147	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	175356	47.430	ug/l	95
22) Diisopropyl ether	6.019	45	412936	48.273	ug/l	99
23) Vinyl Acetate	5.958	43	1105629	239.824	ug/l	100
24) 1,1-Dichloroethane	5.915	63	275152	46.404	ug/l	99
25) 2-Butanone	6.890	43	153920	220.139	ug/l	97
26) 2,2-Dichloropropane	6.884	77	240796	46.334	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	197583	47.795	ug/l	99
28) Bromochloromethane	7.244	49	111601	48.457	ug/l	98
29) Tetrahydrofuran	7.262	42	104080	229.194	ug/l	95
30) Chloroform	7.421	83	306777	46.643	ug/l	98
31) Cyclohexane	7.701	56	236026	46.548	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	279709	47.007	ug/l	99
36) 1,1-Dichloropropene	7.835	75	217873	47.914	ug/l	98
37) Ethyl Acetate	6.982	43	75275	46.092	ug/l	98
38) Carbon Tetrachloride	7.817	117	258803	47.630	ug/l	98
39) Methylcyclohexane	9.110	83	283178	49.486	ug/l	98
40) Benzene	8.079	78	677917	47.692	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021960.D
 Acq On : 22 Apr 2025 17:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225

Quant Time: Apr 23 02:36:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	38694	43.342	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	163549	46.472	ug/l	99
43) Isopropyl Acetate	8.195	43	145980	46.545	ug/l	98
44) Trichloroethene	8.860	130	185153	47.027	ug/l	99
45) 1,2-Dichloropropane	9.140	63	148767	47.326	ug/l	97
46) Dibromomethane	9.231	93	91655	46.578	ug/l	99
47) Bromodichloromethane	9.420	83	235736	47.955	ug/l	97
48) Methyl methacrylate	9.219	41	71174	49.090	ug/l	98
49) 1,4-Dioxane	9.225	88	19954	951.409	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	391245	237.972	ug/l	100
52) Toluene	10.170	92	448774	48.774	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	201939	47.893	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	241197	48.122	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	124598	47.403	ug/l	97
56) Ethyl methacrylate	10.439	69	150855	50.188	ug/l	99
57) 1,3-Dichloropropane	10.713	76	198147	47.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	373183	253.928	ug/l	99
59) 2-Hexanone	10.756	43	258458	238.340	ug/l	100
60) Dibromochloromethane	10.908	129	170608	46.882	ug/l	97
61) 1,2-Dibromoethane	11.012	107	117095	47.188	ug/l	99
64) Tetrachloroethene	10.646	164	205118	46.550	ug/l	96
65) Chlorobenzene	11.438	112	498605	47.734	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.512	131	177647	48.308	ug/l	99
67) Ethyl Benzene	11.518	91	856779	50.142	ug/l	100
68) m/p-Xylenes	11.627	106	687961	101.181	ug/l	99
69) o-Xylene	11.950	106	319291	50.949	ug/l	99
70) Styrene	11.969	104	542034	51.513	ug/l	100
71) Bromoform	12.127	173	102241	47.821	ug/l #	100
73) Isopropylbenzene	12.249	105	833210	49.765	ug/l	99
74) N-amyl acetate	12.066	43	133081	46.264	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	130070	46.078	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	92664m	43.169	ug/l	
77) Bromobenzene	12.530	156	201978	47.741	ug/l	99
78) n-propylbenzene	12.591	91	995089	49.907	ug/l	100
79) 2-Chlorotoluene	12.676	91	560663	48.351	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	691575	50.131	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	39491	44.304	ug/l	98
82) 4-Chlorotoluene	12.773	91	583487	48.406	ug/l	100
83) tert-Butylbenzene	12.993	119	637155	51.499	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	693849	50.285	ug/l	100
85) sec-Butylbenzene	13.170	105	912398	50.397	ug/l	99
86) p-Isopropyltoluene	13.292	119	781445	50.831	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	408394	47.528	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	401694	47.202	ug/l	99
89) n-Butylbenzene	13.615	91	689937	50.209	ug/l	99
90) Hexachloroethane	13.877	117	160136	47.410	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	354764	47.337	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19379	43.151	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	207298	48.811	ug/l	99
94) Hexachlorobutadiene	15.023	225	126404	48.376	ug/l	98
95) Naphthalene	15.145	128	345515	48.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	175651	47.914	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

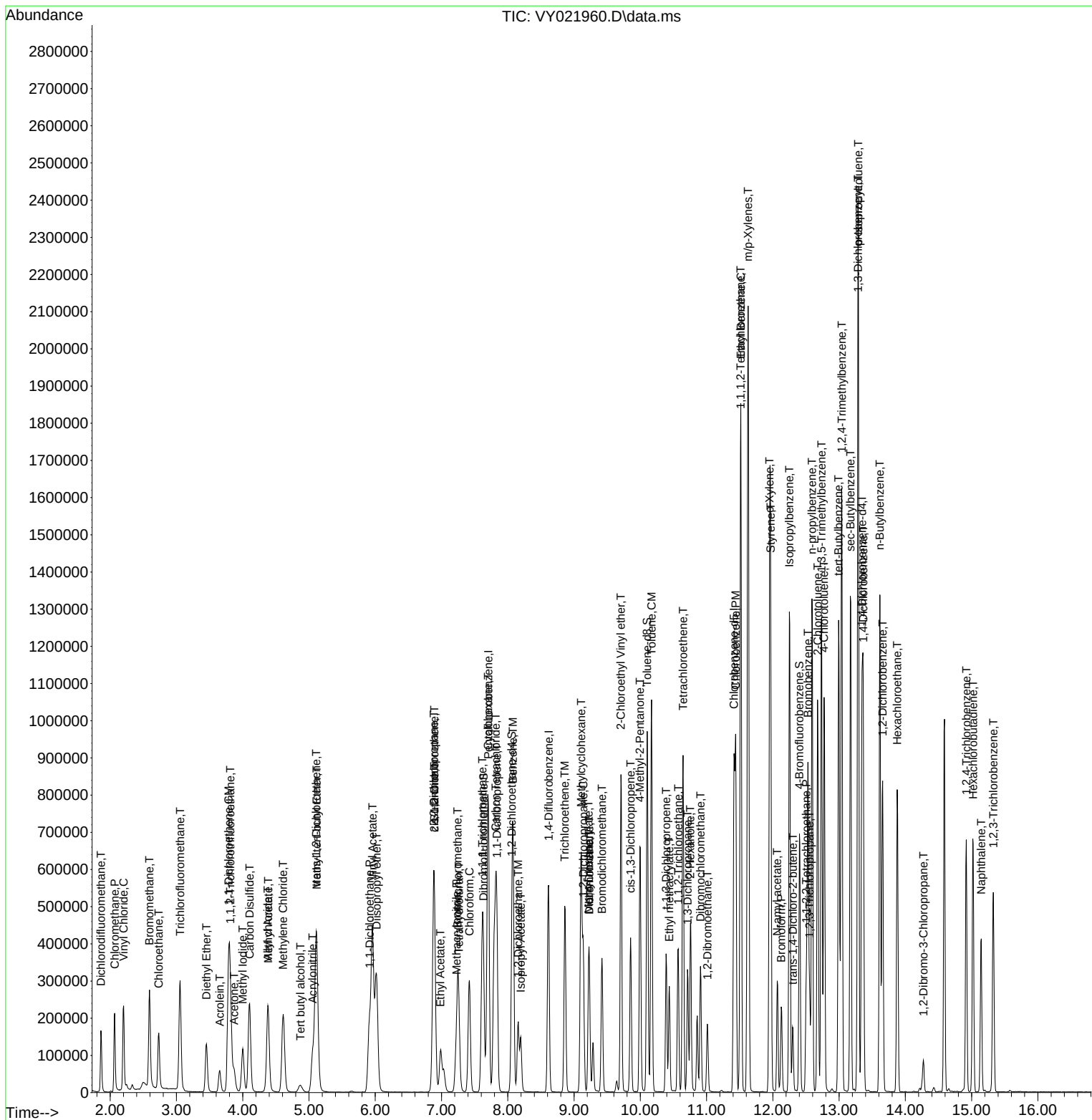
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

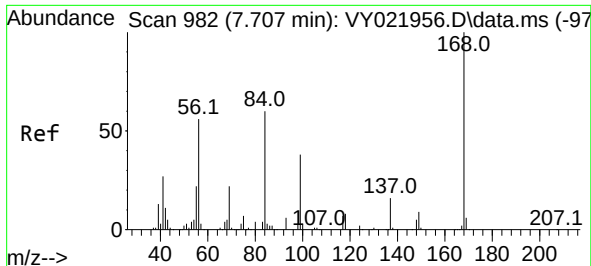
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

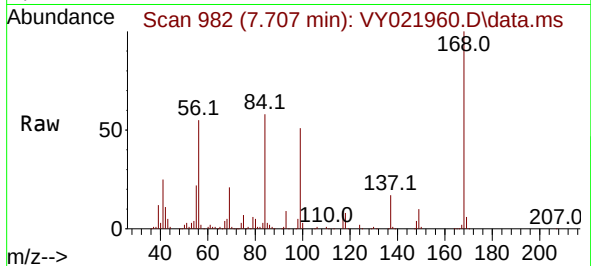
Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

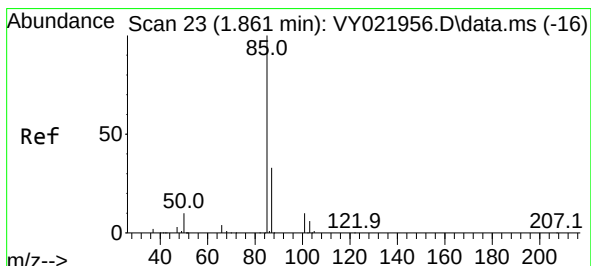
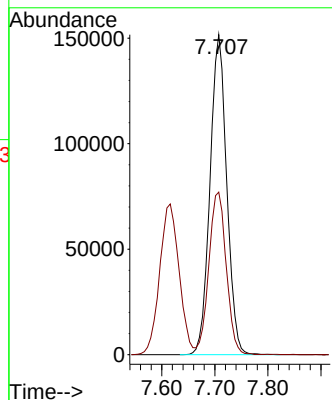
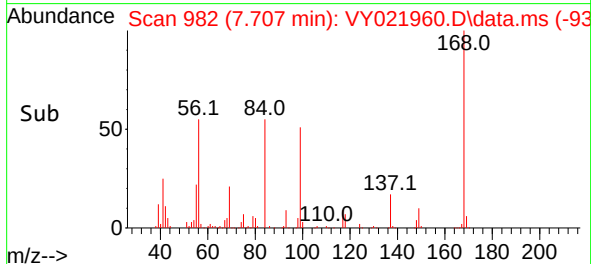
Instrument :
MSVOA_Y
ClientSampleId :
ICVY042225



Tgt Ion:168 Resp: 33208
Ion Ratio Lower Upper
168 100
99 50.7 43.1 64.7

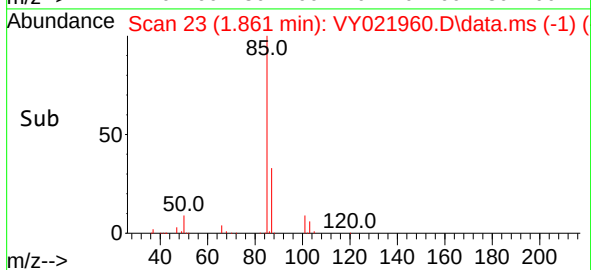
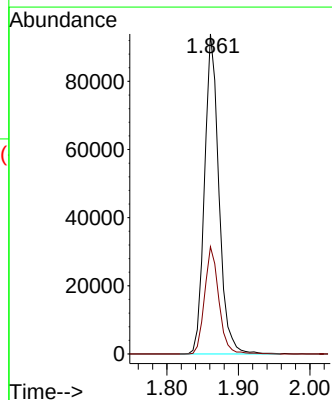
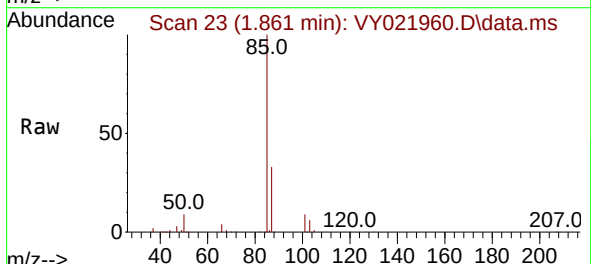
Manual Integrations
APPROVED

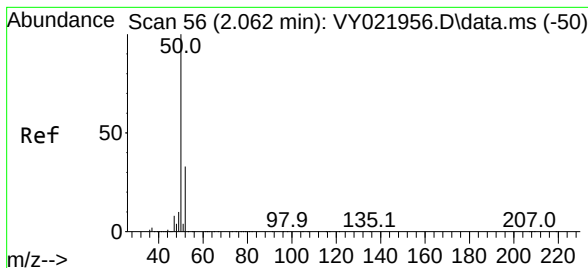
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 46.375 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

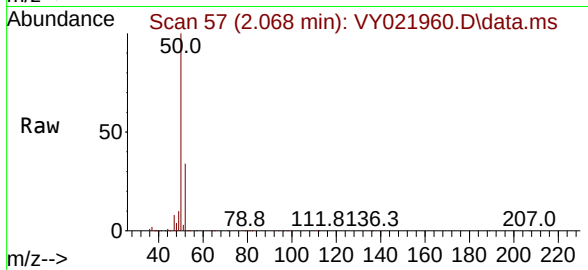
Tgt Ion: 85 Resp: 131226
Ion Ratio Lower Upper
85 100
87 33.5 16.6 49.7





#3
Chloromethane
Concen: 45.440 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

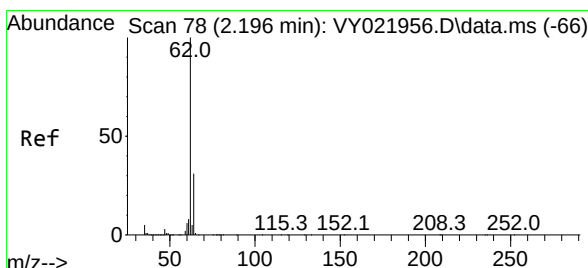
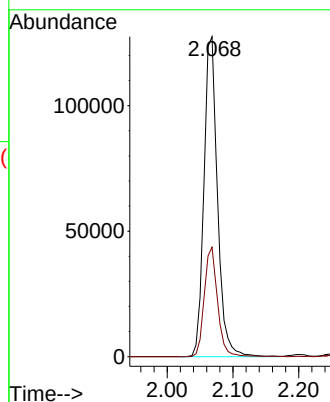
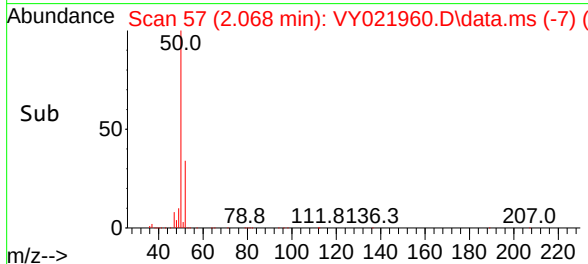
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



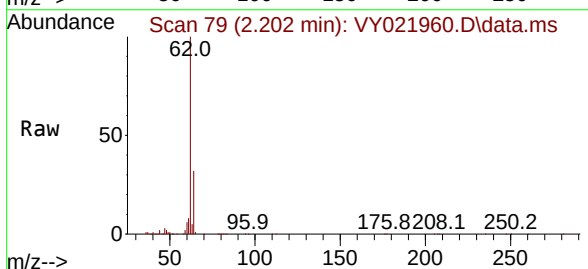
Tgt Ion: 50 Resp: 183085
Ion Ratio Lower Upper
50 100
52 34.2 26.1 39.1

Manual Integrations
APPROVED

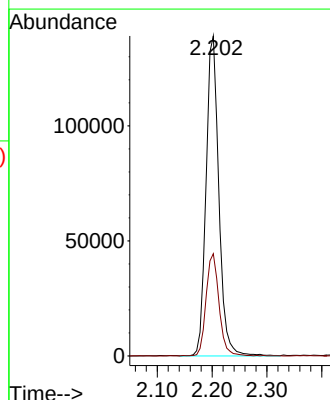
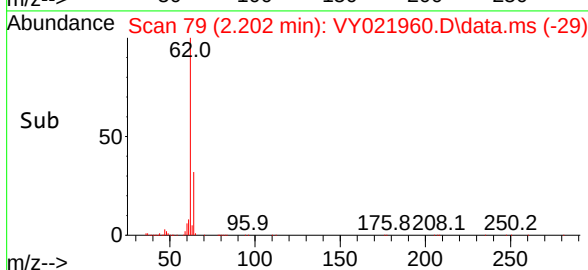
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

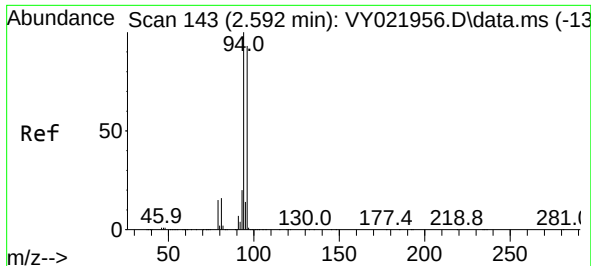


#4
Vinyl Chloride
Concen: 45.432 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



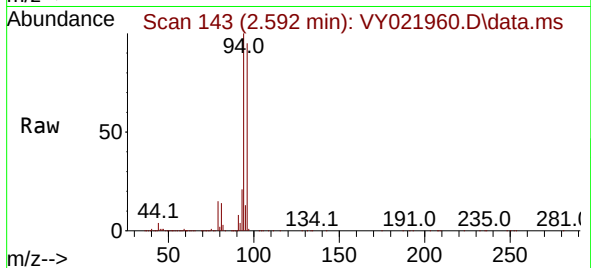
Tgt Ion: 62 Resp: 224944
Ion Ratio Lower Upper
62 100
64 31.9 25.1 37.7





#5
Bromomethane
Concen: 41.389 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

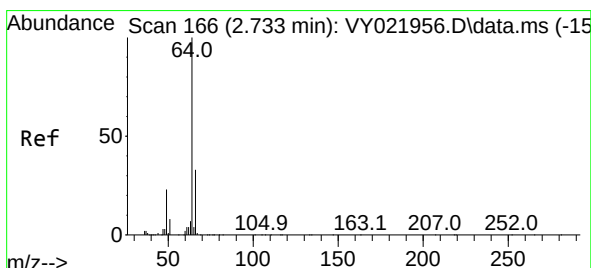
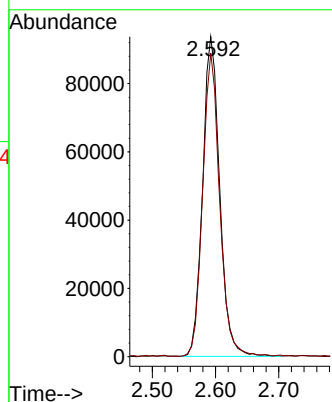
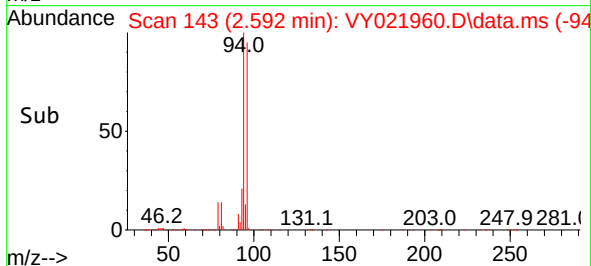
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



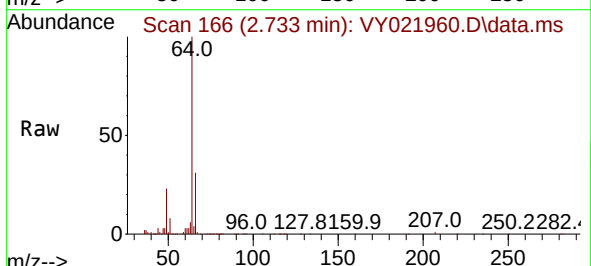
Tgt Ion: 94 Resp: 17655
Ion Ratio Lower Upper
94 100
96 94.9 74.6 111.8

Manual Integrations
APPROVED

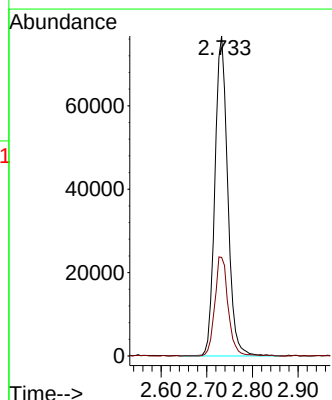
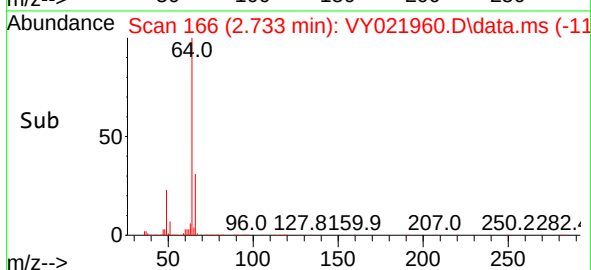
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

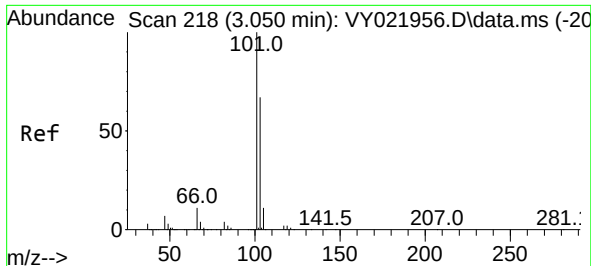


#6
Chloroethane
Concen: 44.363 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



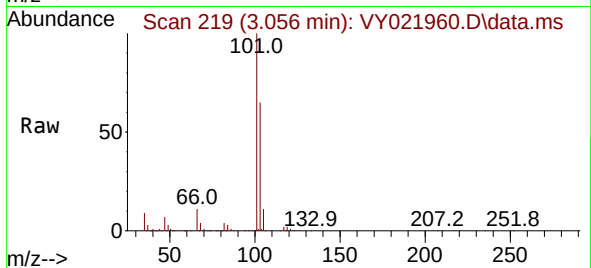
Tgt Ion: 64 Resp: 149594
Ion Ratio Lower Upper
64 100
66 30.8 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 46.128 ug/l
 RT: 3.056 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

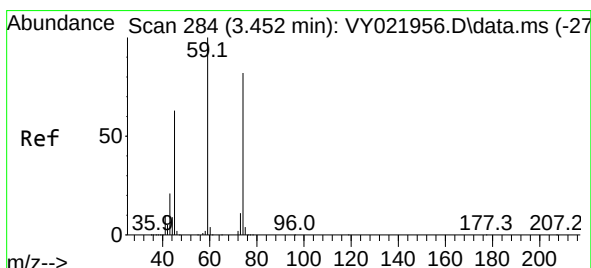
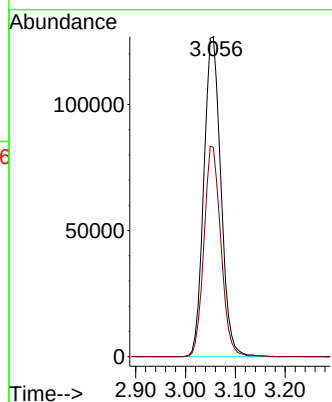
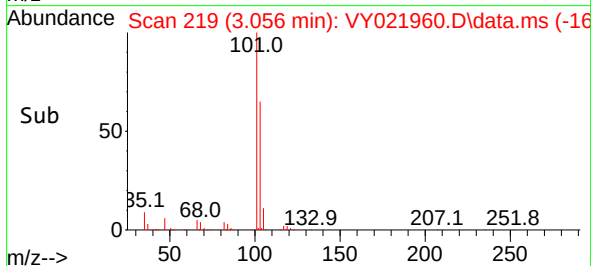
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225



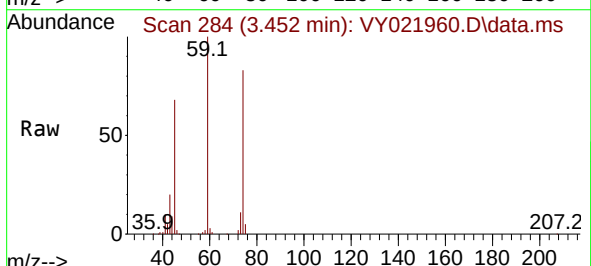
Tgt Ion: 101 Resp: 30116
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.6 80.4

Manual Integrations
 APPROVED

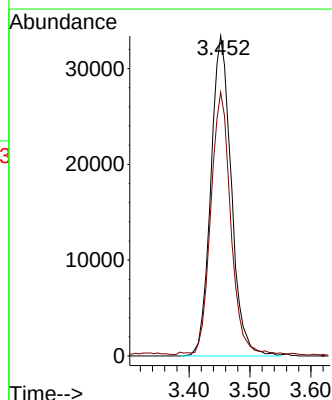
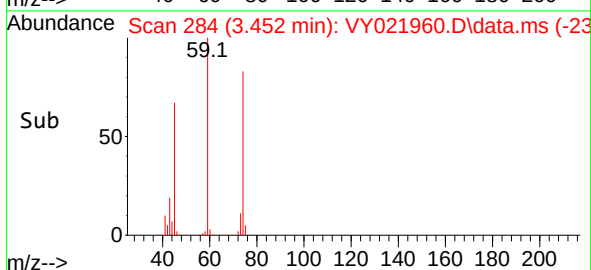
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

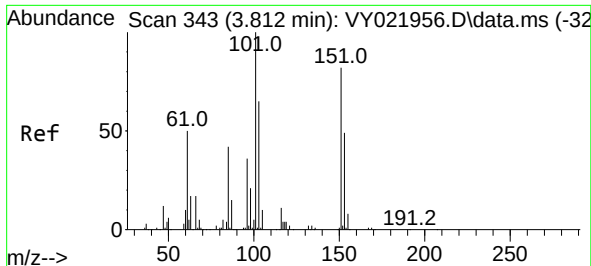


#8
 Diethyl Ether
 Concen: 45.910 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01



Tgt Ion: 74 Resp: 78016
 Ion Ratio Lower Upper
 74 100
 45 79.3 39.1 117.5





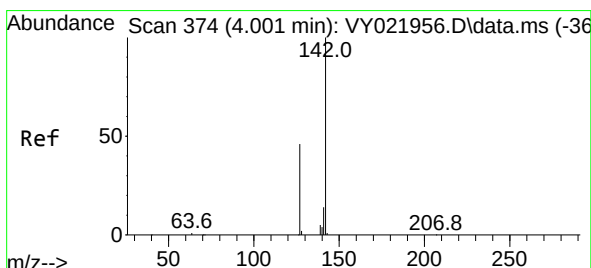
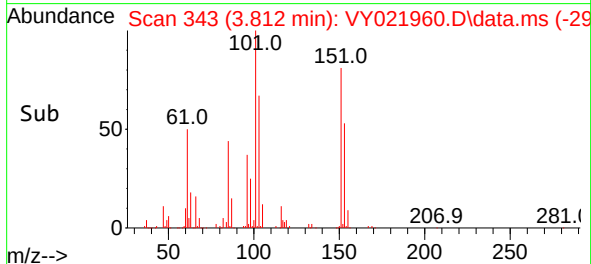
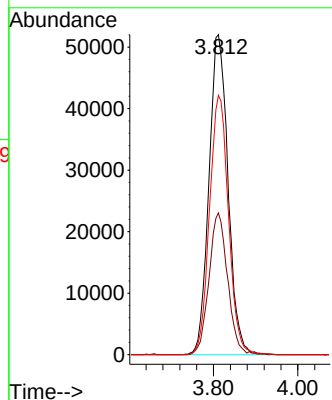
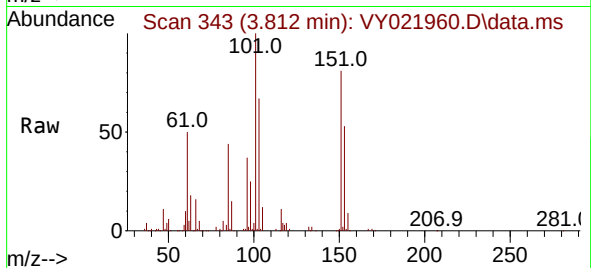
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.166 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:101 Resp: 16350
Ion Ratio Lower Upper
101 100
85 43.4 34.6 51.8
151 80.5 63.7 95.5

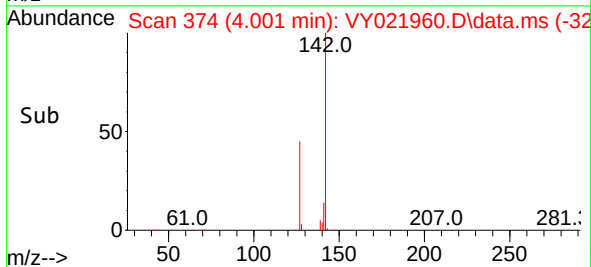
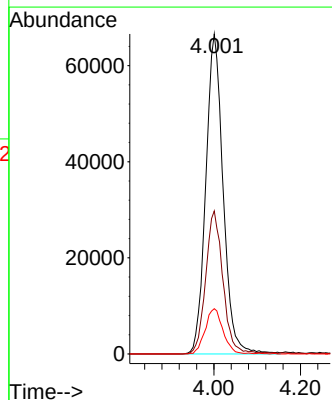
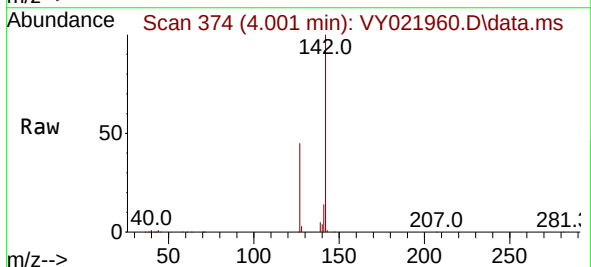
Manual Integrations
APPROVED

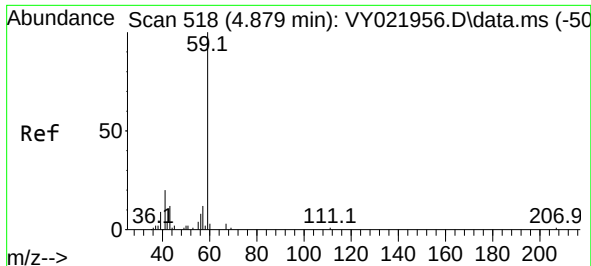
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 45.123 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

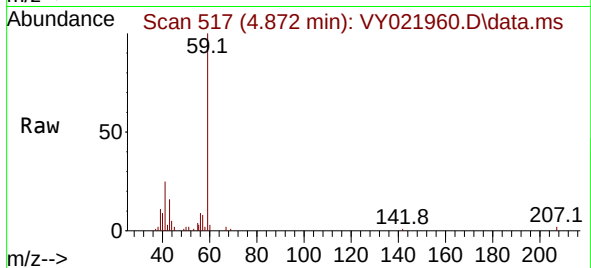
Tgt Ion:142 Resp: 185031
Ion Ratio Lower Upper
142 100
127 44.4 36.2 54.2
141 14.5 11.7 17.5





#11
Tert butyl alcohol
Concen: 226.751 ug/l
RT: 4.872 min Scan# 518
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

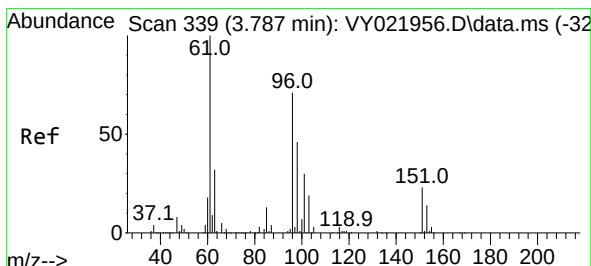
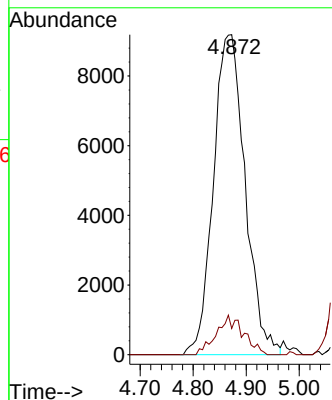
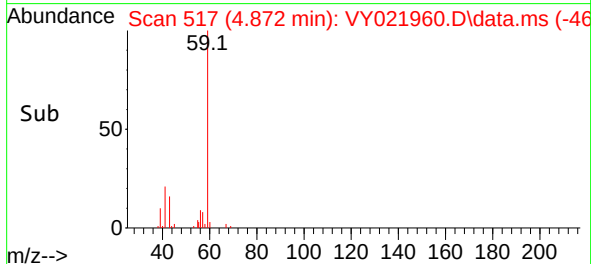
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



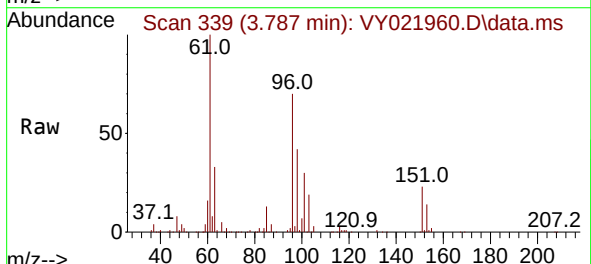
Tgt Ion: 59 Resp: 38184
Ion Ratio Lower Upper
59 100
57 10.5 9.3 13.9

Manual Integrations
APPROVED

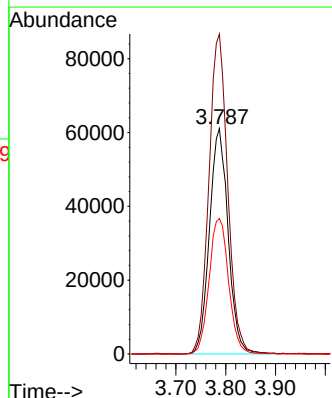
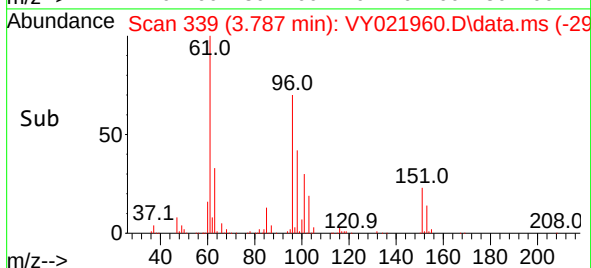
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

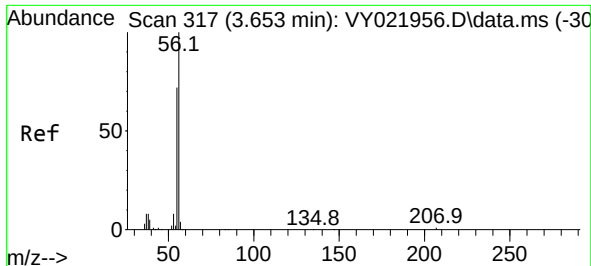


#12
1,1-Dichloroethene
Concen: 48.182 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



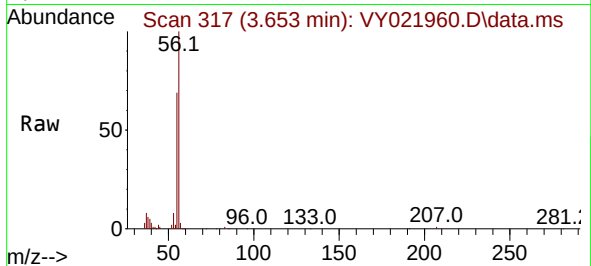
Tgt Ion: 96 Resp: 159060
Ion Ratio Lower Upper
96 100
61 141.9 113.0 169.4
98 60.1 51.4 77.2





#13
Acrolein
Concen: 227.366 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

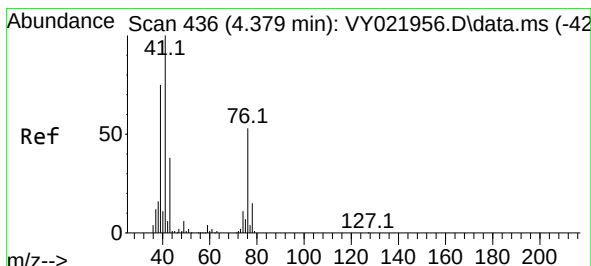
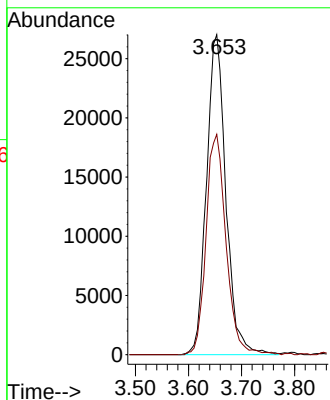
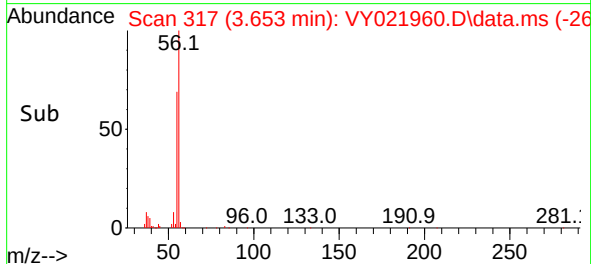
Instrument :
MSVOA_Y
ClientSampleId :
ICVY042225



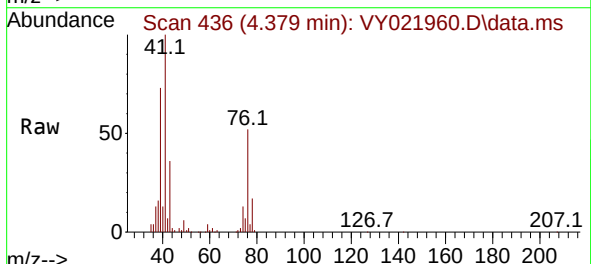
Tgt Ion: 56 Resp: 68719
Ion Ratio Lower Upper
56 100
55 71.0 57.4 86.0

Manual Integrations
APPROVED

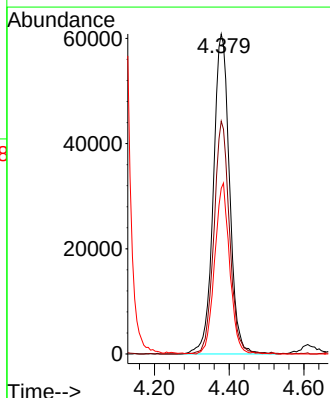
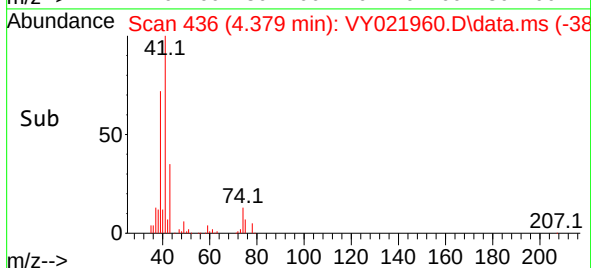
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

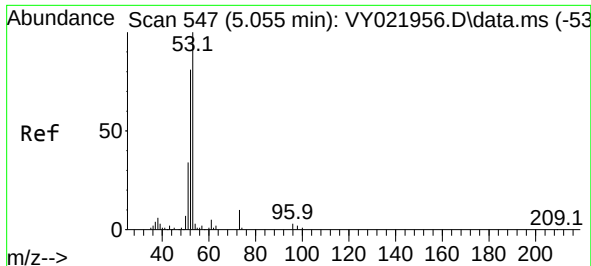


#14
Allyl chloride
Concen: 47.458 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



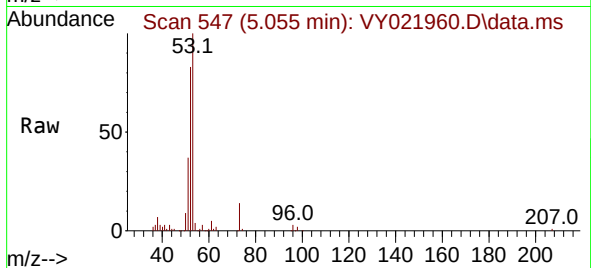
Tgt Ion: 41 Resp: 182426
Ion Ratio Lower Upper
41 100
39 70.4 57.2 85.8
76 49.8 39.7 59.5





#15
Acrylonitrile
Concen: 226.587 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

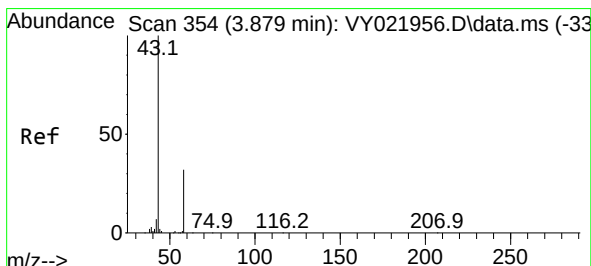
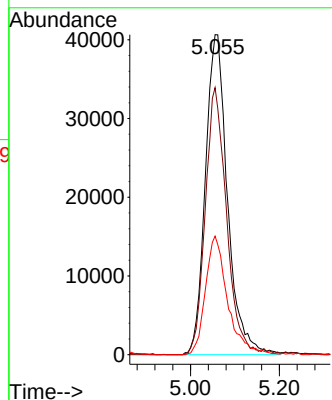
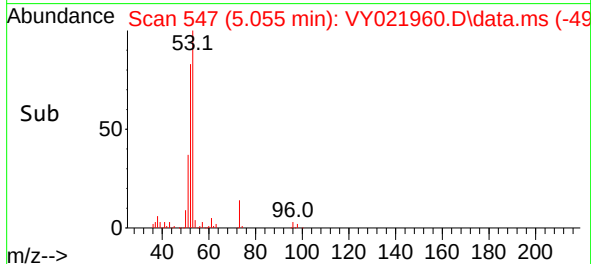
Instrument :
MSVOA_Y
ClientSampleId :
ICVY042225



Tgt Ion: 53 Resp: 140962
Ion Ratio Lower Upper
53 100
52 79.8 65.0 97.6
51 37.0 28.9 43.3

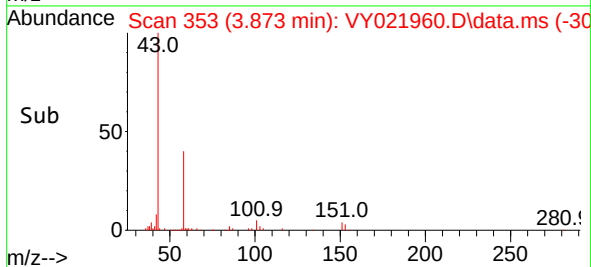
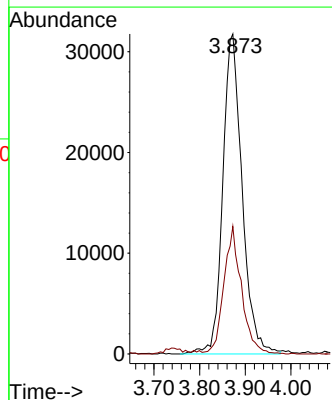
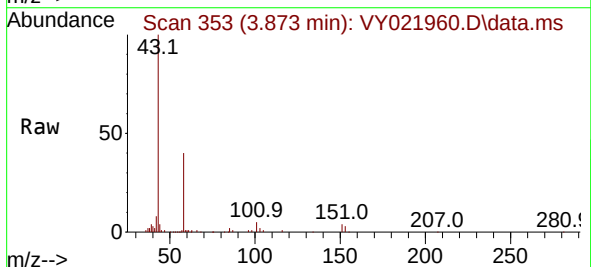
Manual Integrations
APPROVED

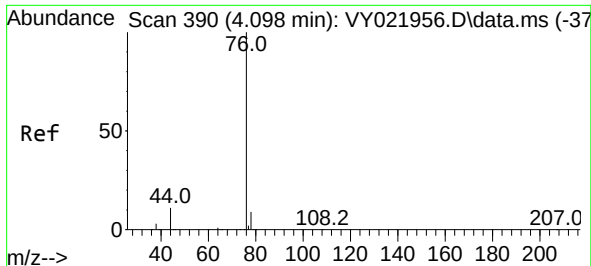
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16
Acetone
Concen: 231.130 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

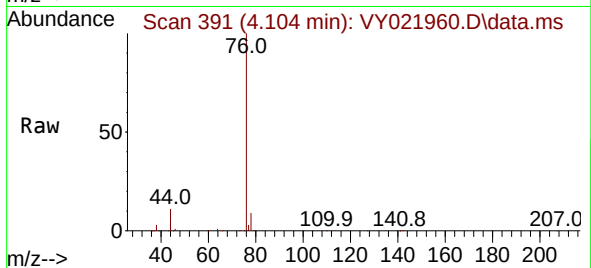
Tgt Ion: 43 Resp: 93445
Ion Ratio Lower Upper
43 100
58 39.7 27.0 40.4





#17
Carbon Disulfide
Concen: 46.938 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

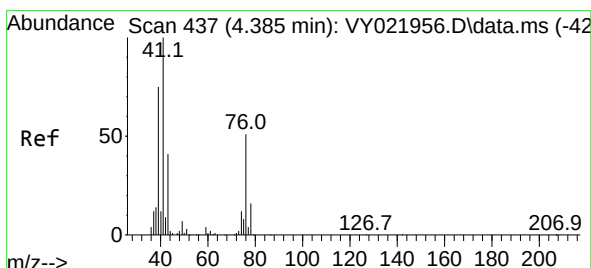
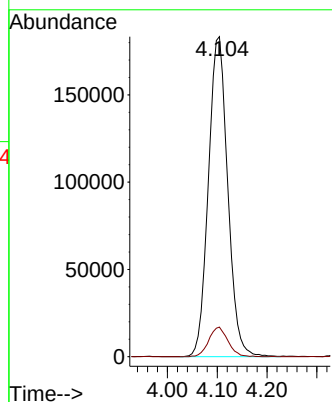
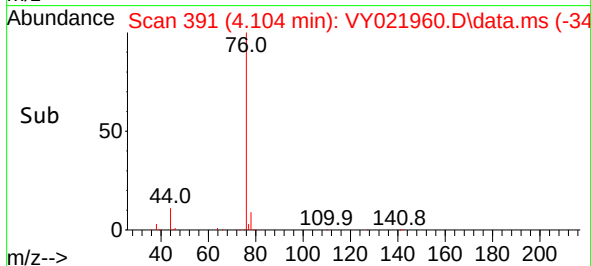
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion: 76 Resp: 49406
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

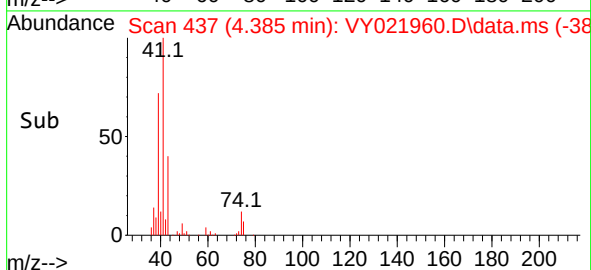
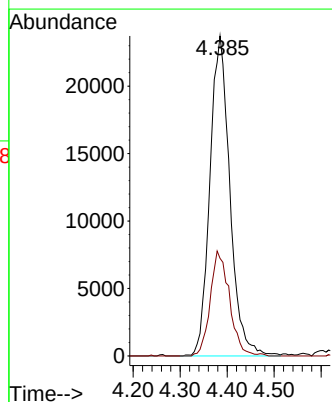
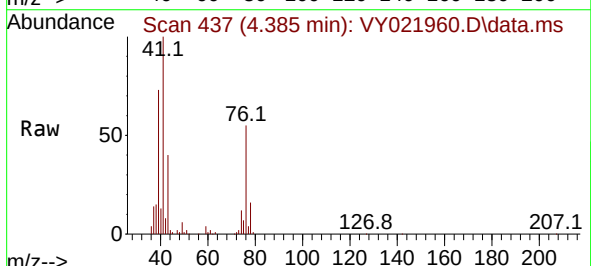
Manual Integrations
APPROVED

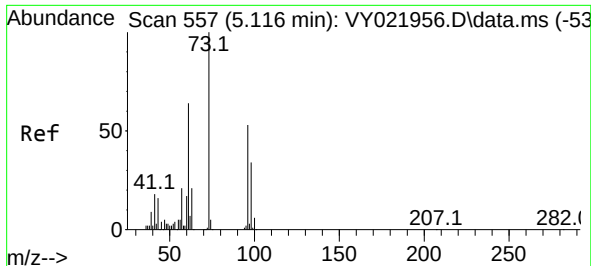
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 48.904 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 70072
Ion Ratio Lower Upper
43 100
74 31.5 24.2 36.4





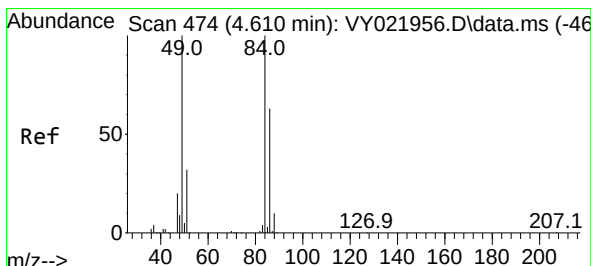
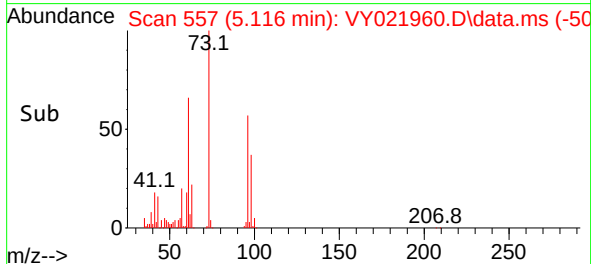
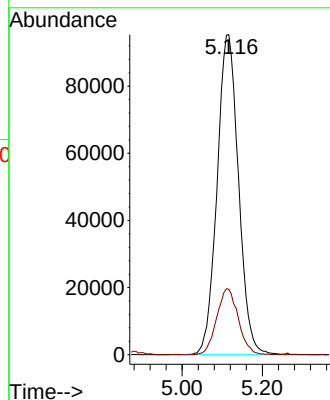
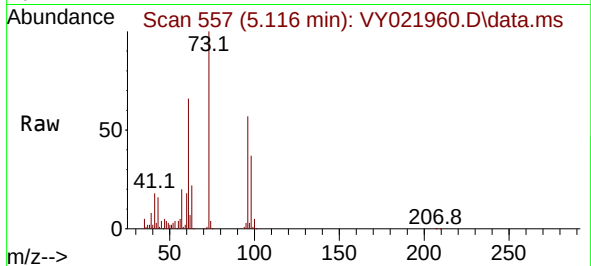
#19
Methyl tert-butyl Ether
Concen: 47.891 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 73 Resp: 35386
Ion Ratio Lower Upper
73 100
57 20.5 16.9 25.3

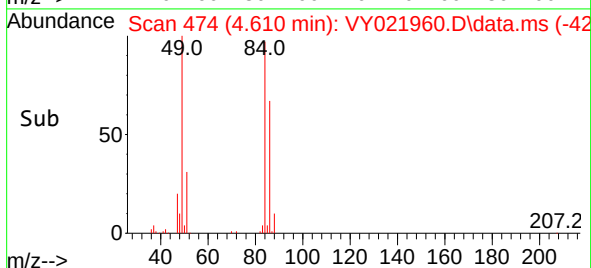
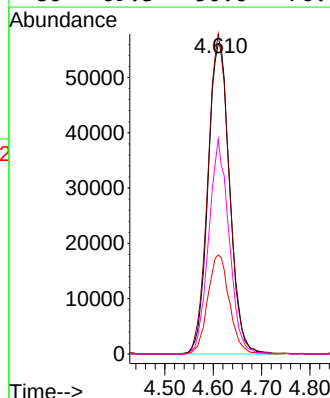
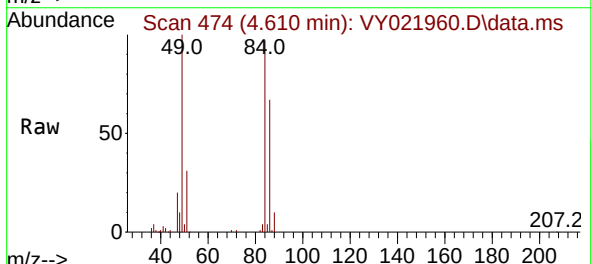
Manual Integrations
APPROVED

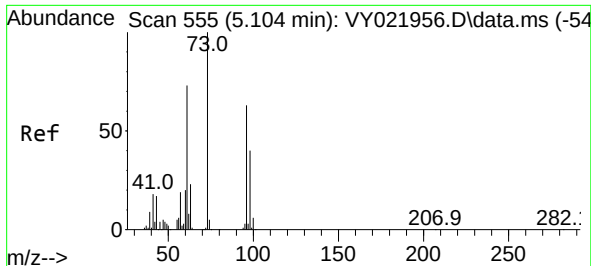
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#20
Methylene Chloride
Concen: 45.147 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

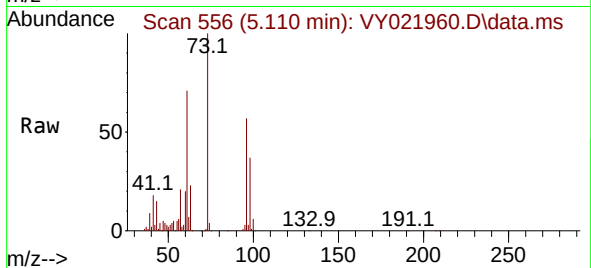
Tgt Ion: 84 Resp: 175109
Ion Ratio Lower Upper
84 100
49 103.2 79.9 119.9
51 31.9 25.4 38.0
86 69.3 50.6 76.0





#21
trans-1,2-Dichloroethene
Concen: 47.430 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

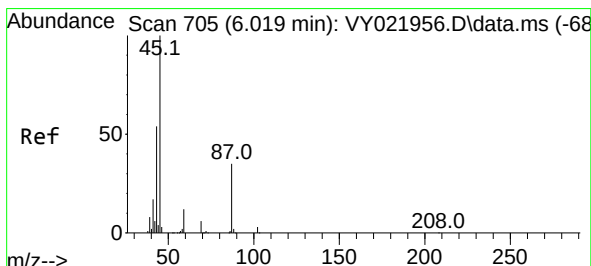
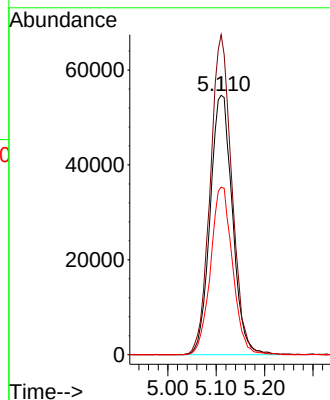
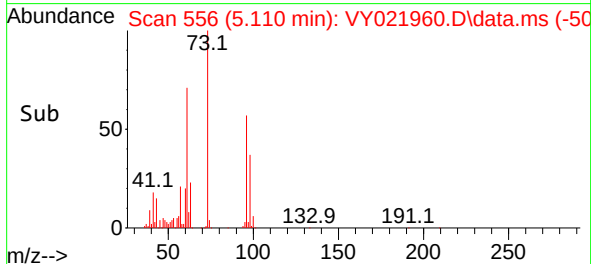
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



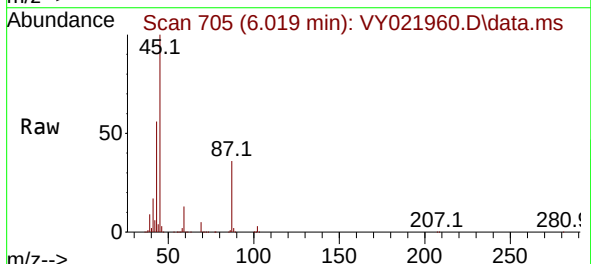
Tgt Ion: 96 Resp: 175350
Ion Ratio Lower Upper
96 100
61 123.3 92.6 138.8
98 64.6 50.2 75.4

Manual Integrations
APPROVED

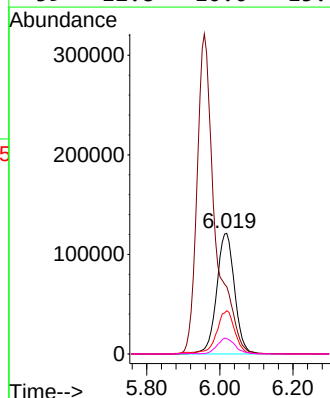
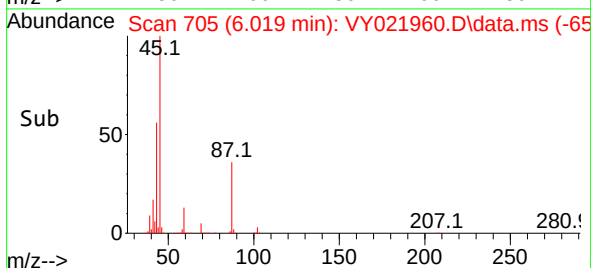
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

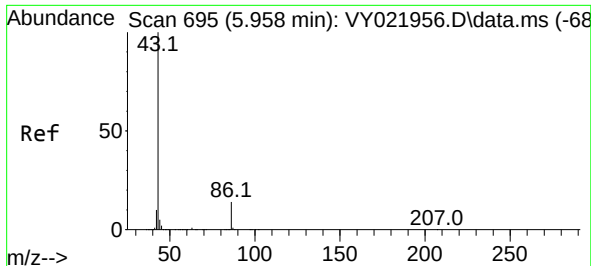


#22
Diisopropyl ether
Concen: 48.273 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



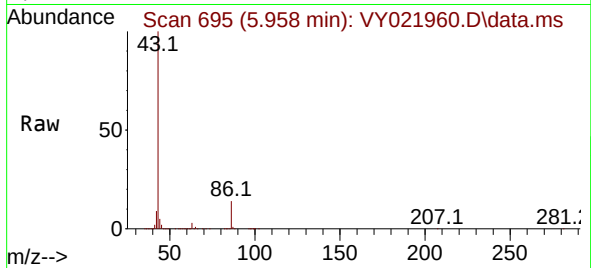
Tgt Ion: 45 Resp: 412936
Ion Ratio Lower Upper
45 100
43 55.5 43.6 65.4
87 35.9 28.2 42.4
59 12.8 10.0 15.0





#23
 Vinyl Acetate
 Concen: 239.824 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

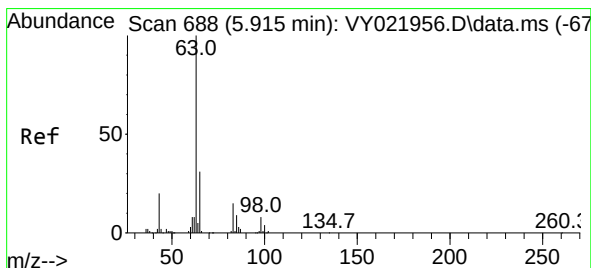
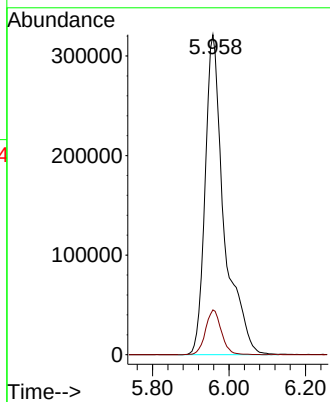
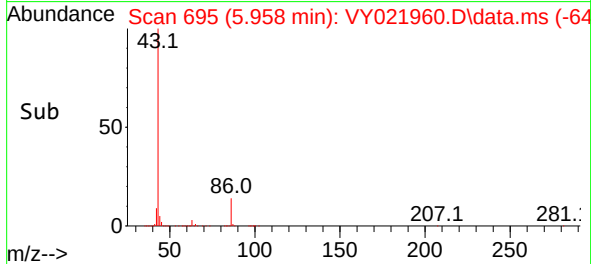
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225



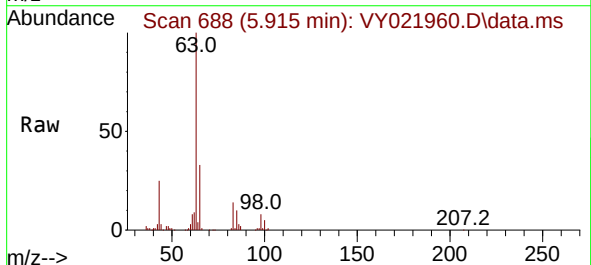
Tgt Ion: 43 Resp: 1105629
 Ion Ratio Lower Upper
 43 100
 86 14.0 11.1 16.7

Manual Integrations
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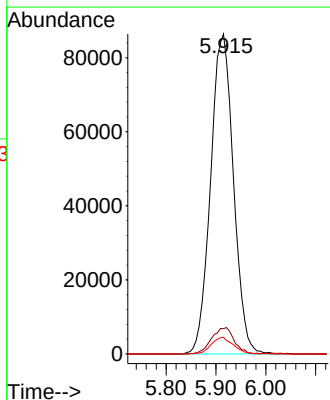
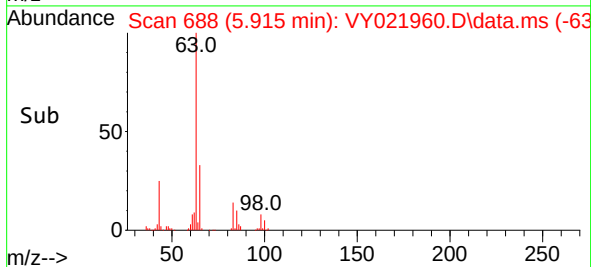
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

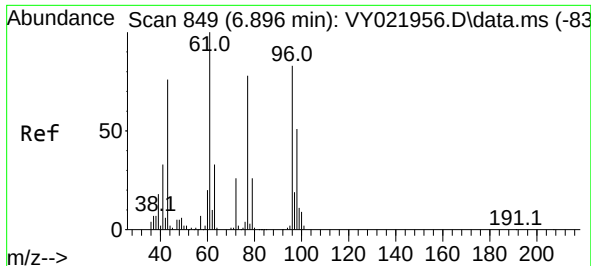


#24
 1,1-Dichloroethane
 Concen: 46.404 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01



Tgt Ion: 63 Resp: 275152
 Ion Ratio Lower Upper
 63 100
 98 7.9 4.0 11.9
 100 5.2 2.0 6.0





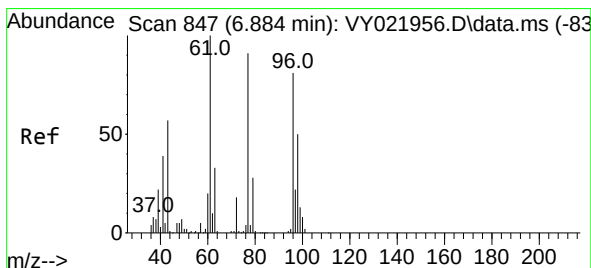
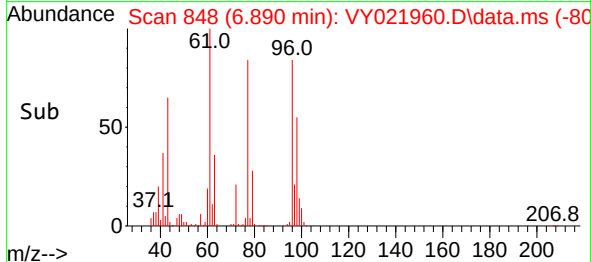
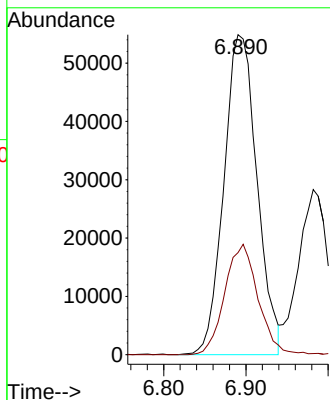
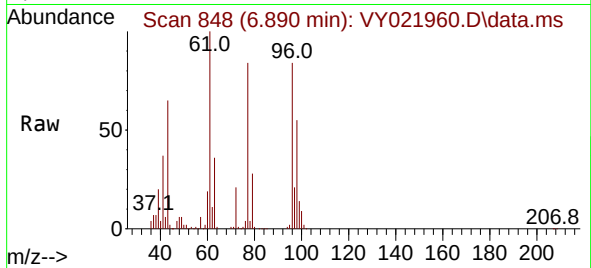
#25
2-Butanone
Concen: 220.139 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 153920
Ion Ratio Lower Upper
43 100
72 31.9 27.0 40.4

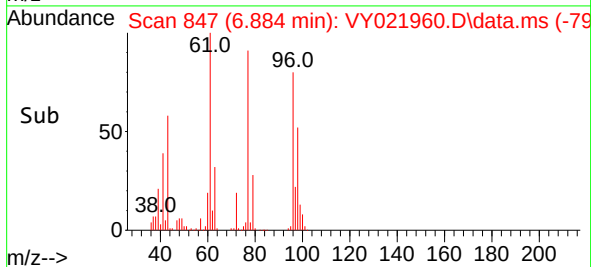
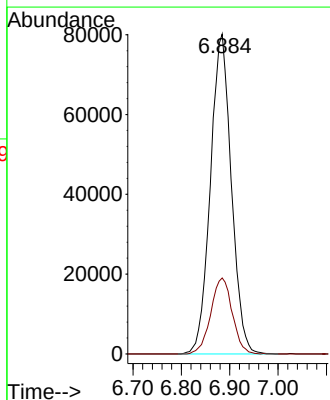
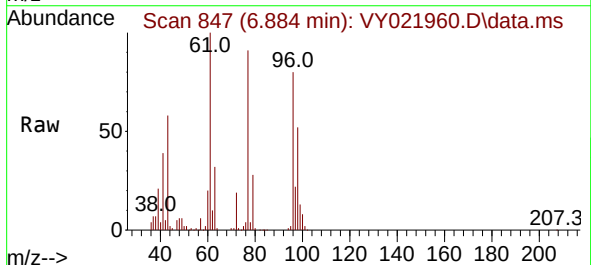
Manual Integrations
APPROVED

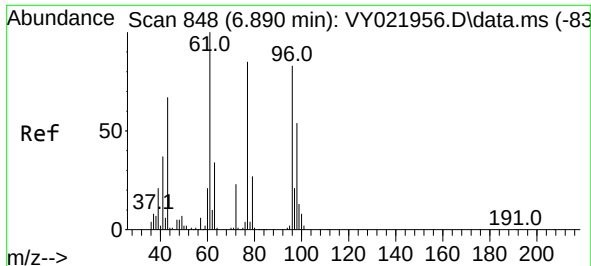
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#26
2,2-Dichloropropane
Concen: 46.334 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 77 Resp: 240796
Ion Ratio Lower Upper
77 100
97 24.3 12.4 37.4





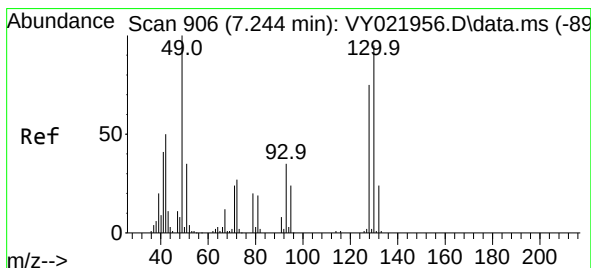
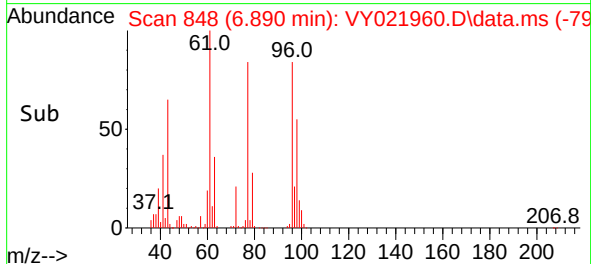
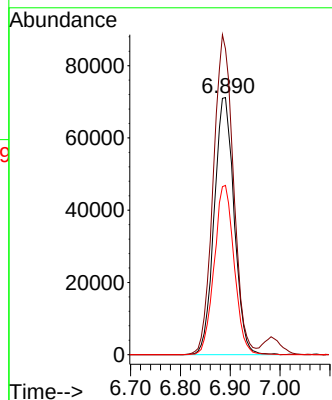
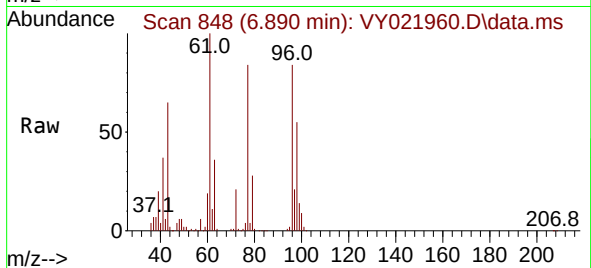
#27
 cis-1,2-Dichloroethene
 Concen: 47.795 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225

Tgt Ion: 96 Resp: 19758
 Ion Ratio Lower Upper
 96 100
 61 126.0 0.0 251.4
 98 65.8 0.0 128.4

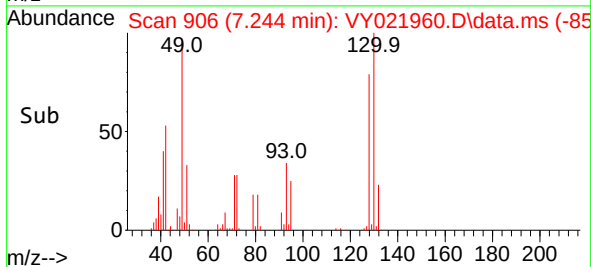
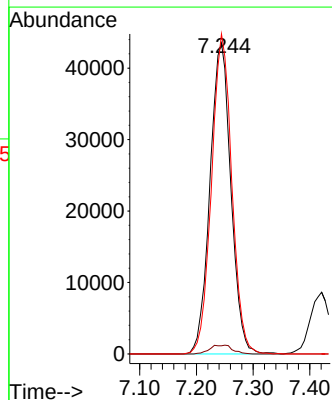
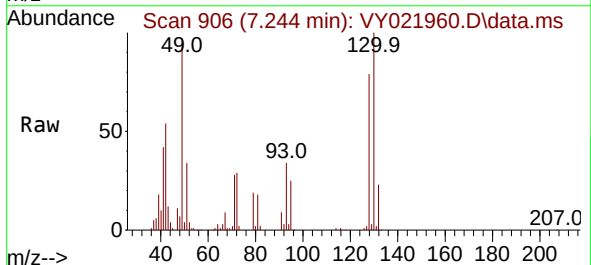
Manual Integrations
 APPROVED

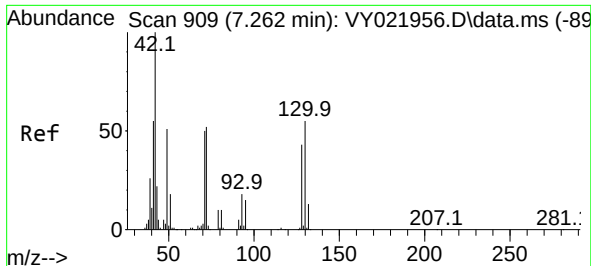
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025



#28
 Bromochloromethane
 Concen: 48.457 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

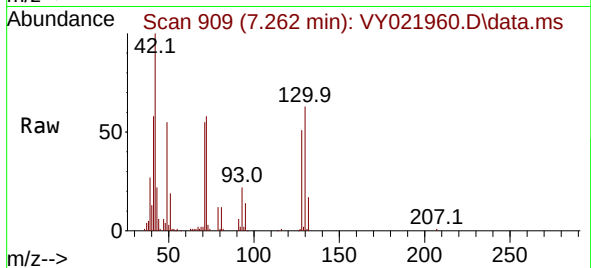
Tgt Ion: 49 Resp: 111601
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 5.0
 130 99.6 78.2 117.4





#29
Tetrahydrofuran
Concen: 229.194 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

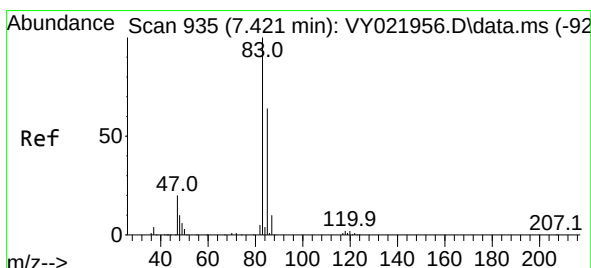
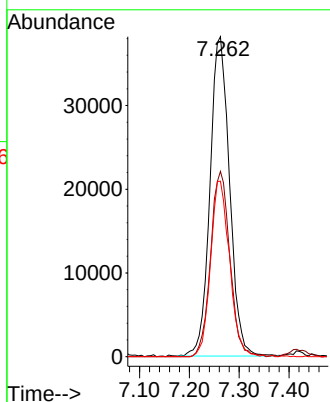
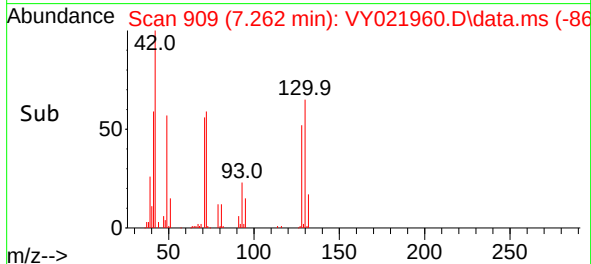
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



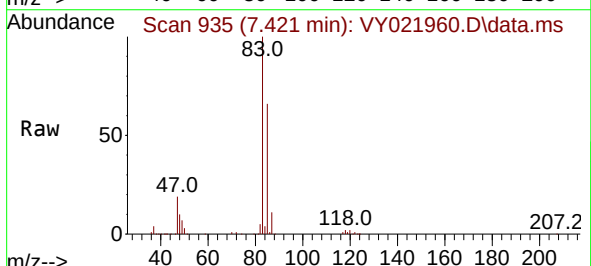
Tgt Ion: 42 Resp: 104080
Ion Ratio Lower Upper
42 100
72 57.2 42.6 63.8
71 53.3 40.6 61.0

Manual Integrations
APPROVED

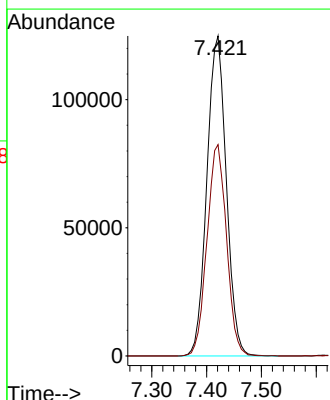
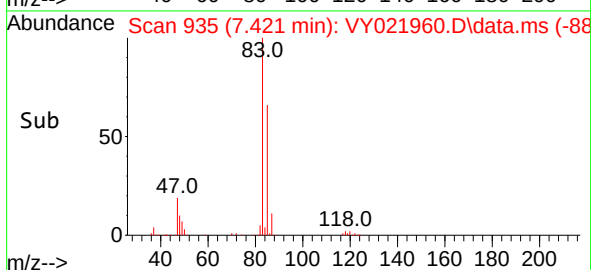
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

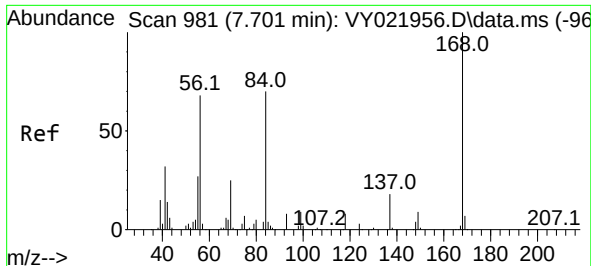


#30
Chloroform
Concen: 46.643 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



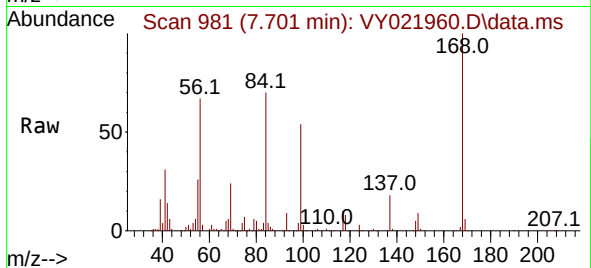
Tgt Ion: 83 Resp: 306777
Ion Ratio Lower Upper
83 100
85 66.0 51.3 76.9





#31
Cyclohexane
Concen: 46.548 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

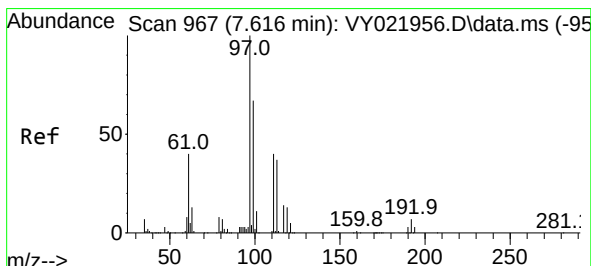
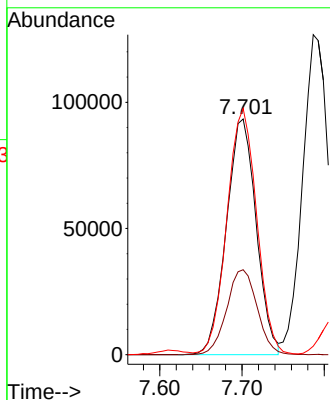
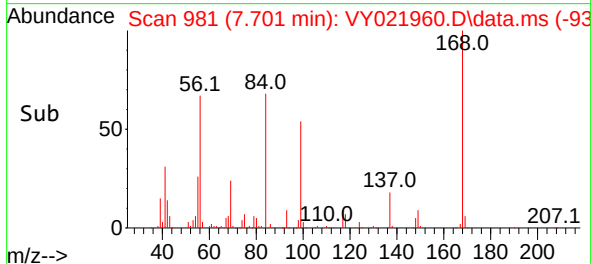
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



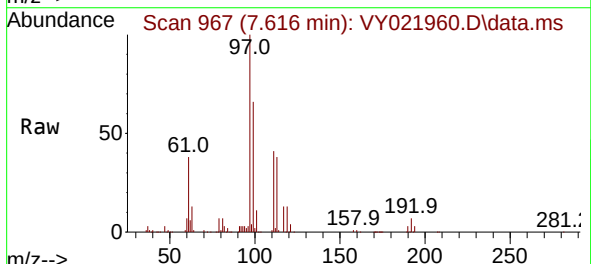
Tgt Ion: 56 Resp: 236020
Ion Ratio Lower Upper
56 100
69 36.1 29.4 44.2
84 102.8 82.2 123.4

Manual Integrations
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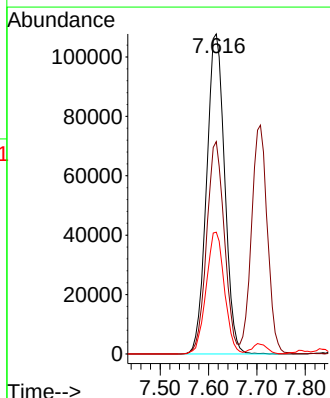
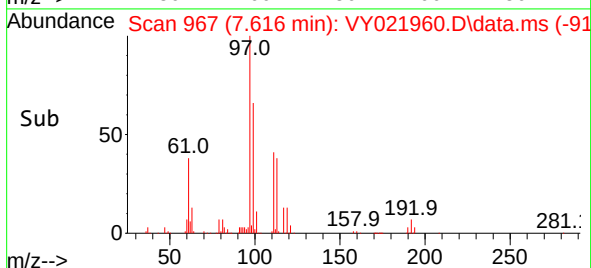
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

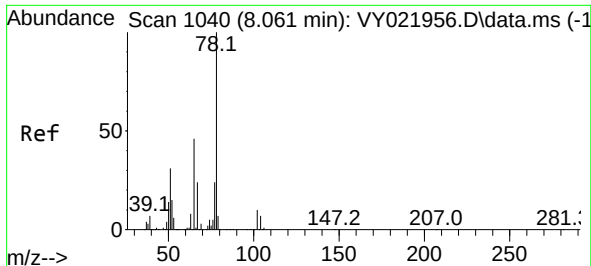


#32
1,1,1-Trichloroethane
Concen: 47.007 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



Tgt Ion: 97 Resp: 279709
Ion Ratio Lower Upper
97 100
99 65.4 51.4 77.2
61 38.5 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 48.224 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021960.D

Acq: 22 Apr 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY042225

Tgt Ion: 65 Resp: 147920

Ion Ratio Lower Upper

65 100

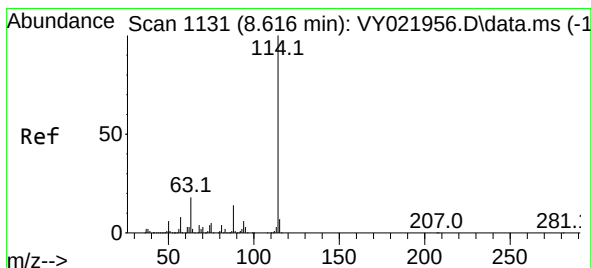
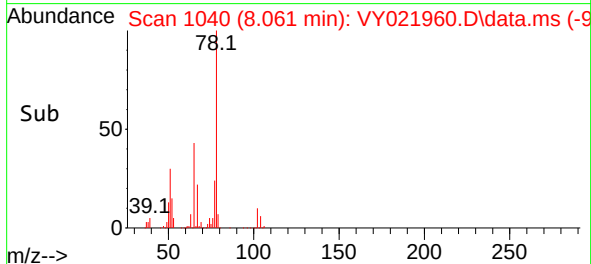
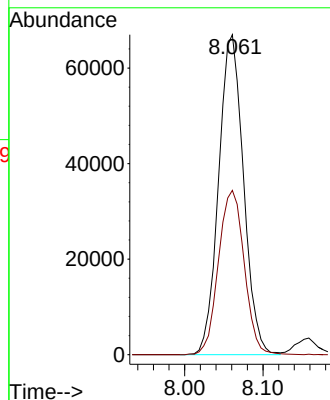
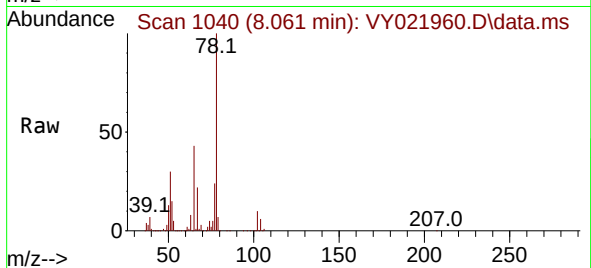
67 53.2 0.0 105.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021960.D

Acq: 22 Apr 2025 17:01

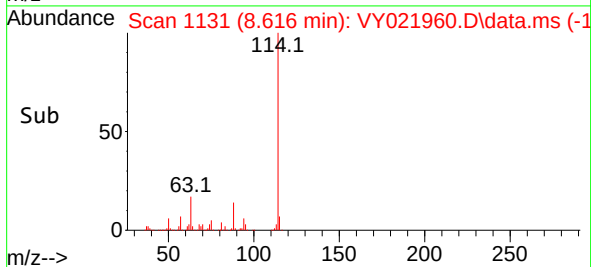
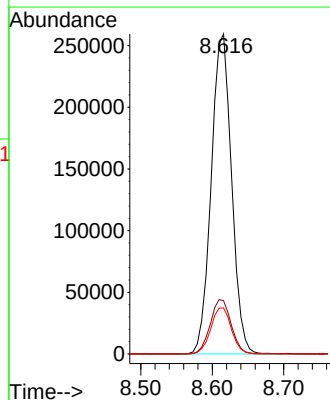
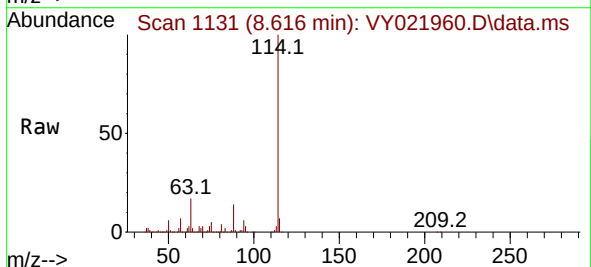
Tgt Ion:114 Resp: 512398

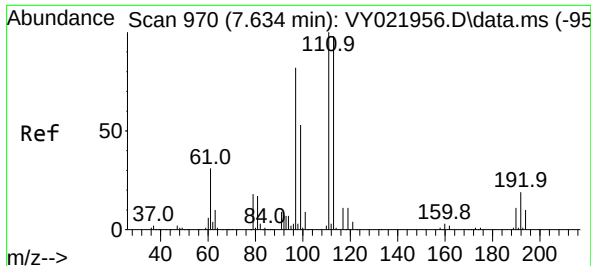
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.4

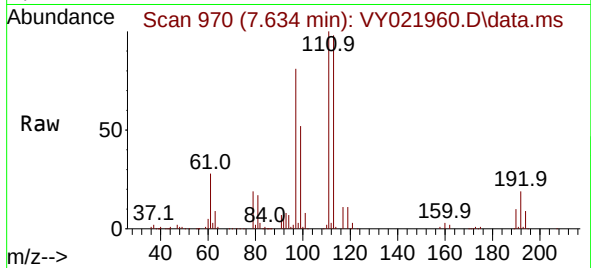
88 14.4 0.0 28.2





#35
Dibromofluoromethane
Concen: 48.989 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

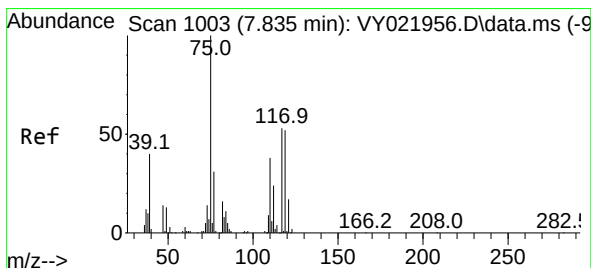
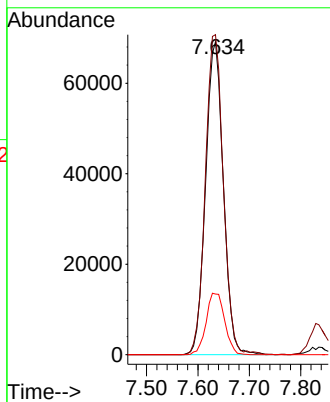
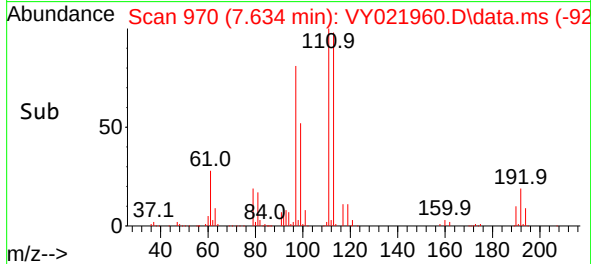
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



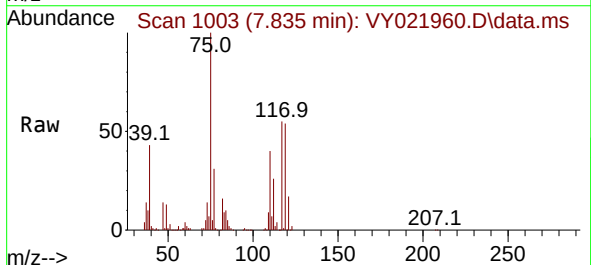
Tgt Ion: 113 Resp: 16583
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 20.5 15.6 23.4

Manual Integrations
APPROVED

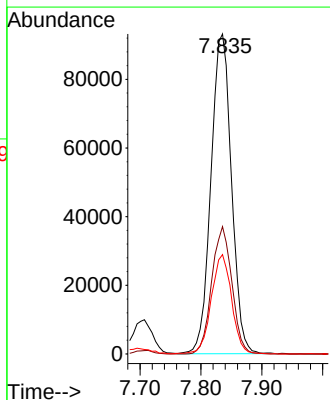
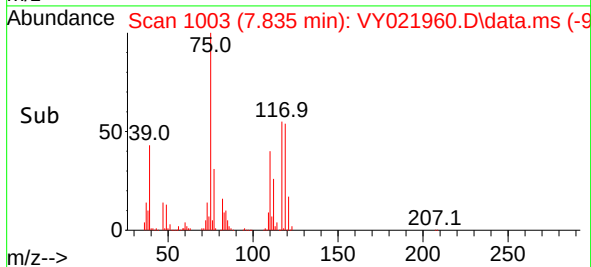
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

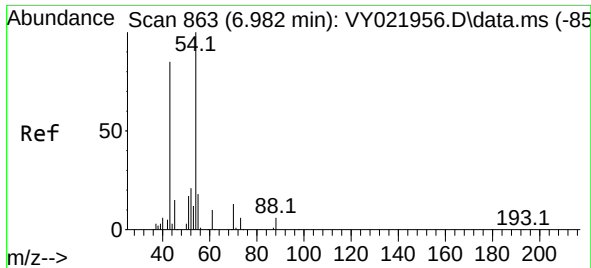


#36
1,1-Dichloropropene
Concen: 47.914 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



Tgt Ion: 75 Resp: 217873
Ion Ratio Lower Upper
75 100
110 39.1 19.1 57.3
77 30.9 25.5 38.3





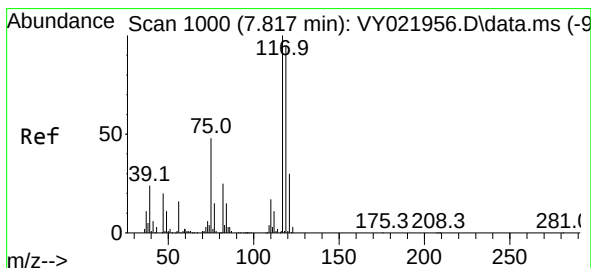
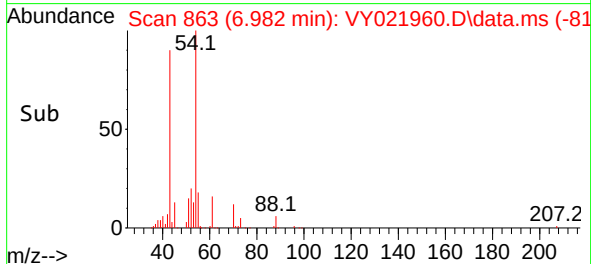
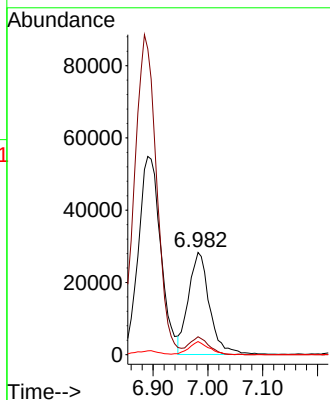
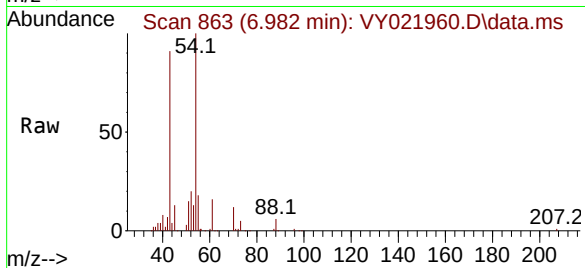
#37
Ethyl Acetate
Concen: 46.092 ug/l
RT: 6.982 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43	Resp: 7527
Ion Ratio	Lower Upper
43 100	
61 16.0	13.8 20.6
70 12.2	9.2 13.8

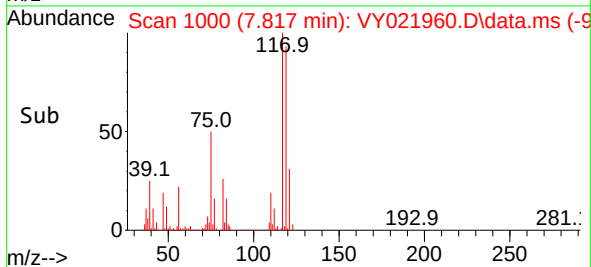
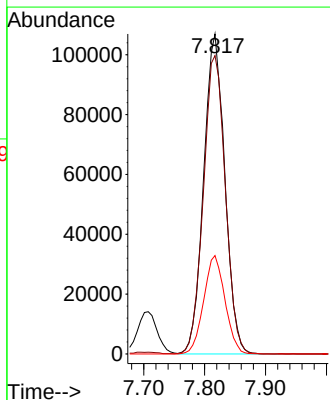
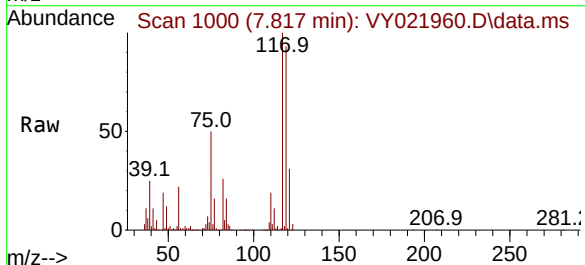
Manual Integrations
APPROVED

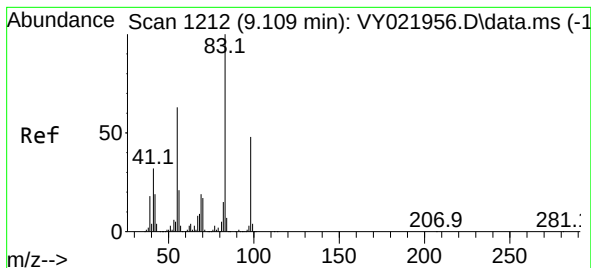
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38
Carbon Tetrachloride
Concen: 47.630 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

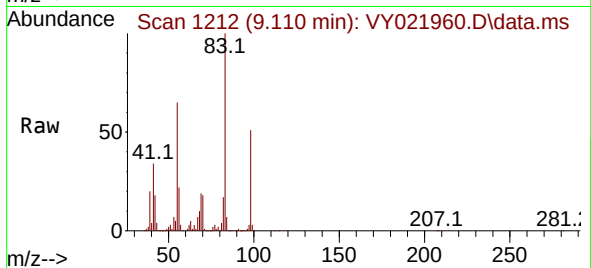
Tgt Ion: 117	Resp: 258803
Ion Ratio	Lower Upper
117 100	
119 93.2	76.2 114.4
121 30.8	24.0 36.0





#39
Methylcyclohexane
Concen: 49.486 ug/l
RT: 9.110 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

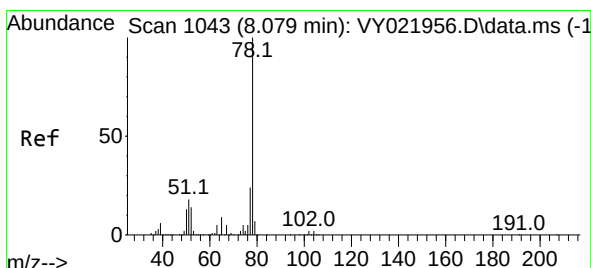
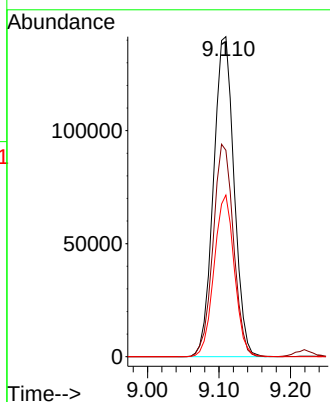
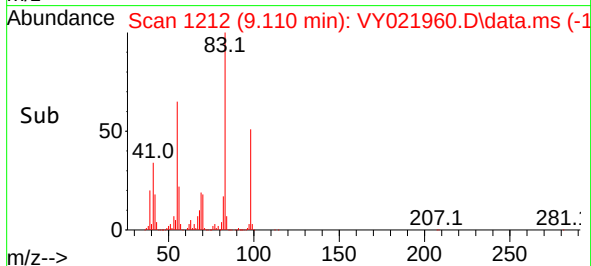
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



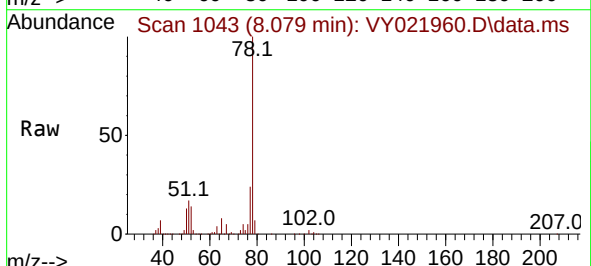
Tgt Ion: 83 Resp: 283178
Ion Ratio Lower Upper
83 100
55 64.5 50.6 75.8
98 50.5 38.6 58.0

Manual Integrations
APPROVED

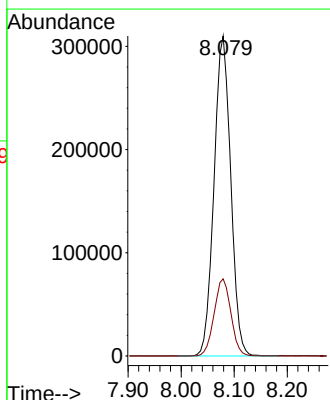
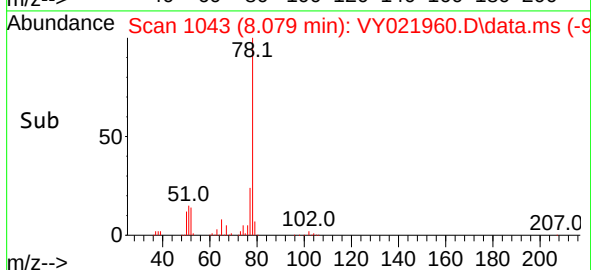
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

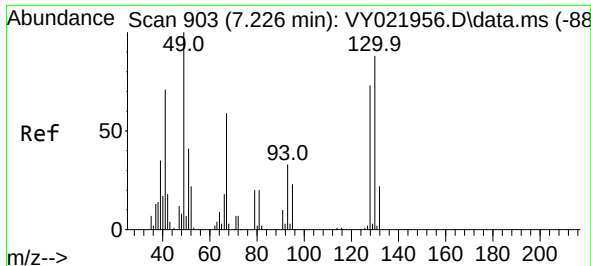


#40
Benzene
Concen: 47.692 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



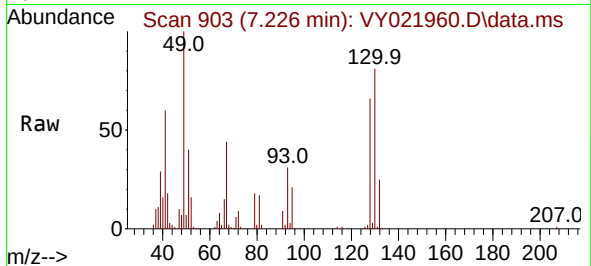
Tgt Ion: 78 Resp: 677917
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9





#41
Methacrylonitrile
Concen: 43.342 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

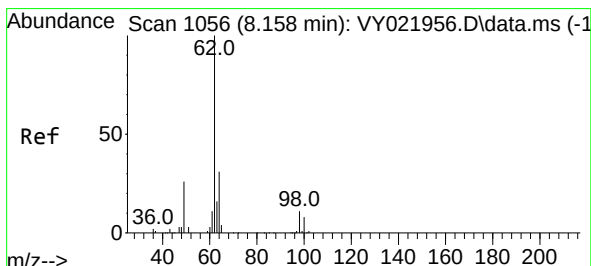
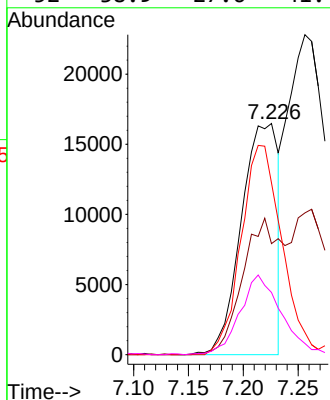
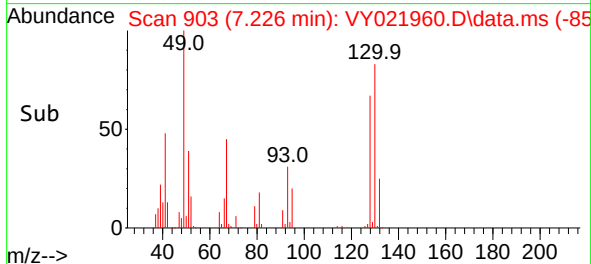
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion:	41	Resp:	38694
Ion Ratio	100	Lower	Upper
41	100		
39	62.5	36.6	55.0
67	100.7	72.2	108.4
52	38.9	27.6	41.4

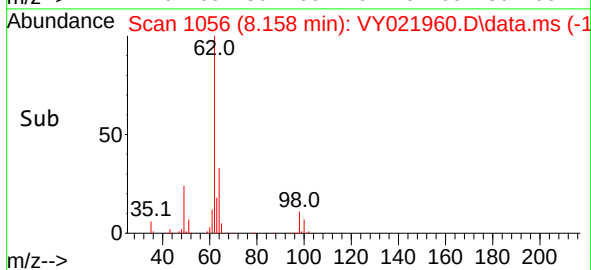
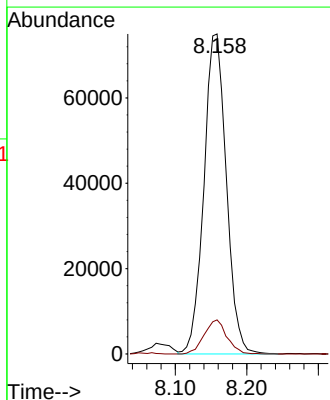
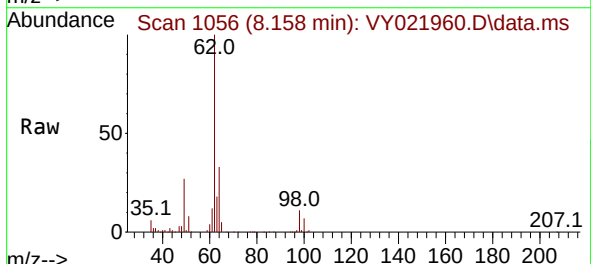
Manual Integrations
APPROVED

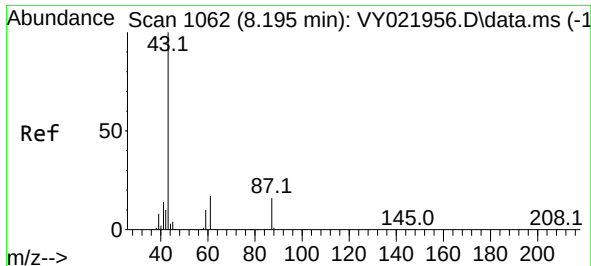
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 46.472 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

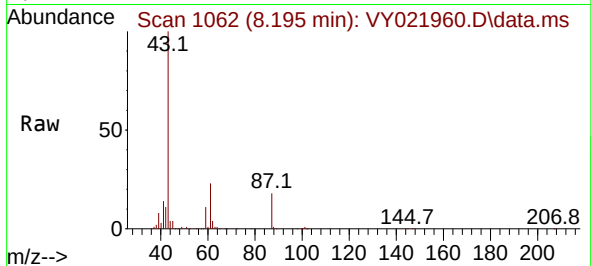
Tgt Ion:	62	Resp:	163549
Ion Ratio	100	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43
Isopropyl Acetate
Concen: 46.545 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

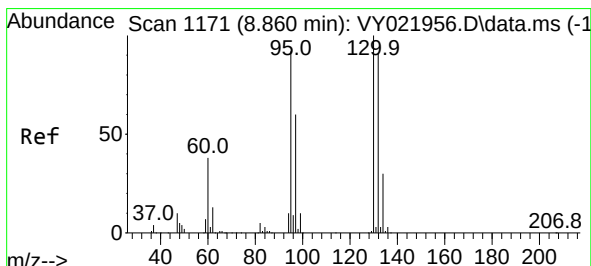
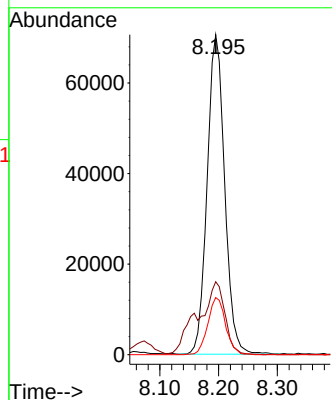
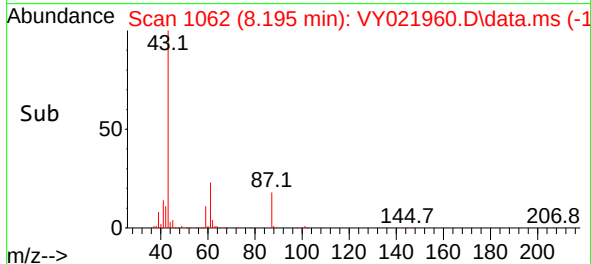
Instrument : MSVOA_Y
ClientSampleId : ICVVY042225



Tgt Ion: 43 Resp: 145980
Ion Ratio Lower Upper
43 100
61 22.8 18.9 28.3
87 18.2 13.7 20.5

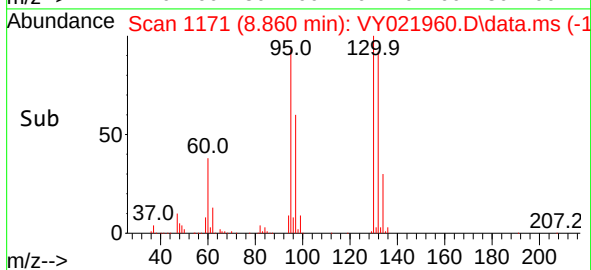
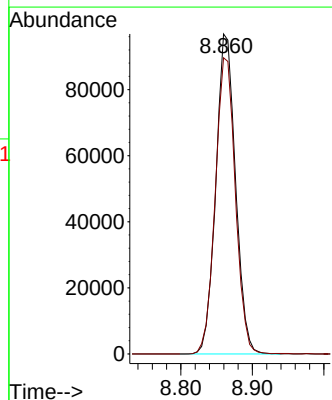
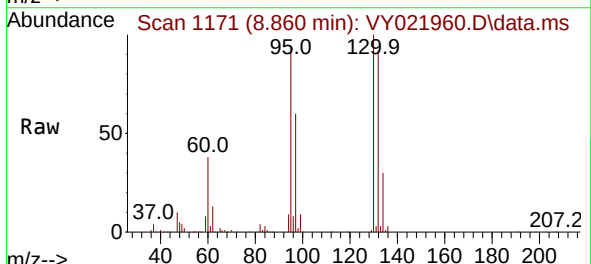
Manual Integrations
APPROVED

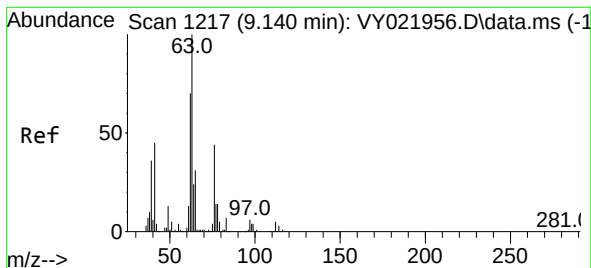
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44
Trichloroethene
Concen: 47.027 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:130 Resp: 185153
Ion Ratio Lower Upper
130 100
95 92.5 0.0 183.2





#45

1,2-Dichloropropane

Concen: 47.326 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021960.D

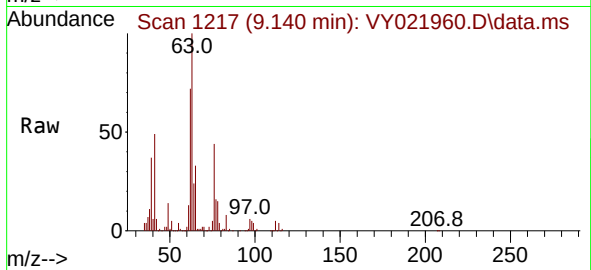
Acq: 22 Apr 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

ICVY042225



Tgt Ion: 63 Resp: 14876

Ion Ratio Lower Upper

63 100

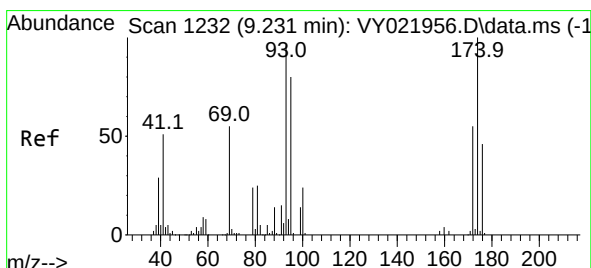
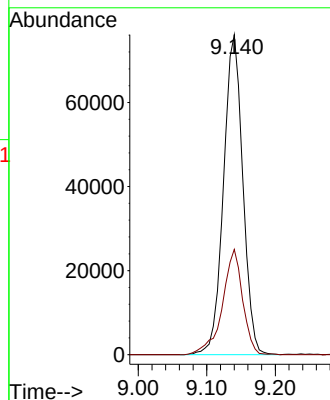
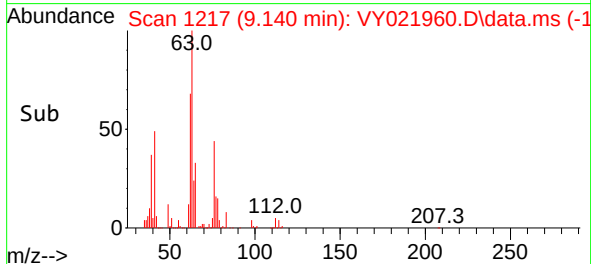
65 32.9 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 46.578 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021960.D

Acq: 22 Apr 2025 17:01

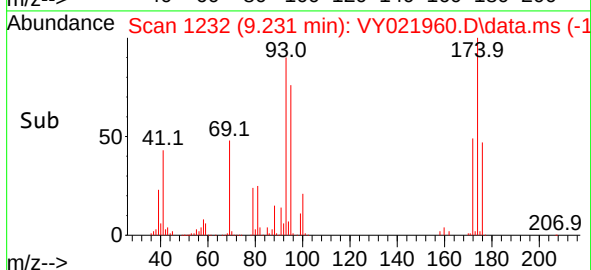
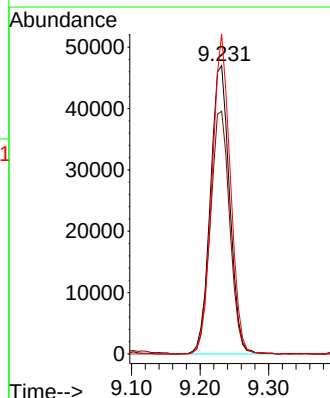
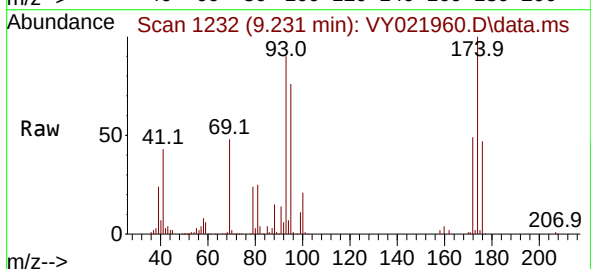
Tgt Ion: 93 Resp: 91655

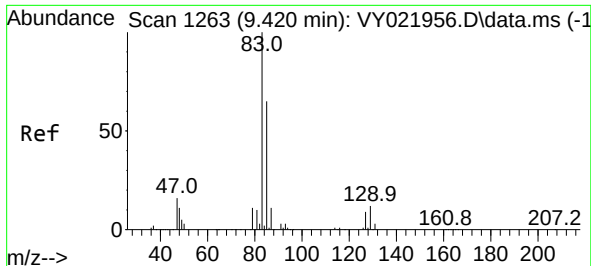
Ion Ratio Lower Upper

93 100

95 84.8 66.7 100.1

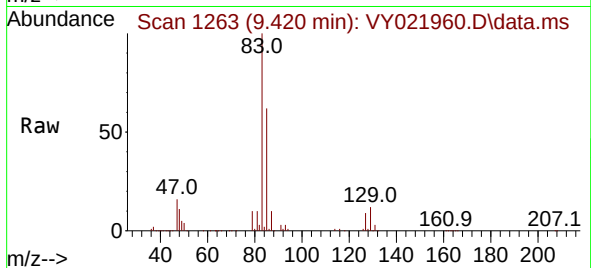
174 105.0 84.6 127.0





#47
Bromodichloromethane
Concen: 47.955 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

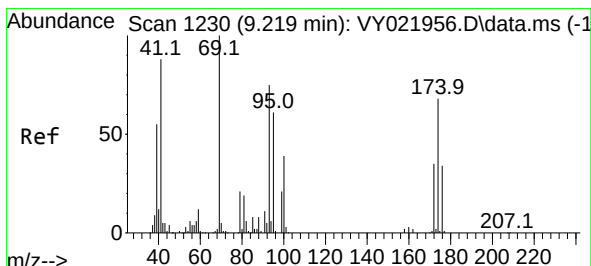
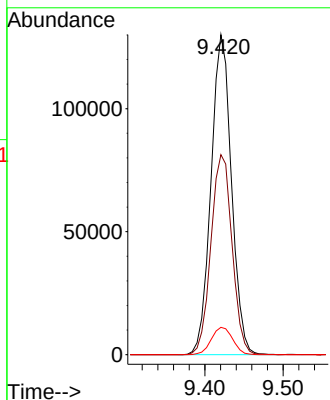
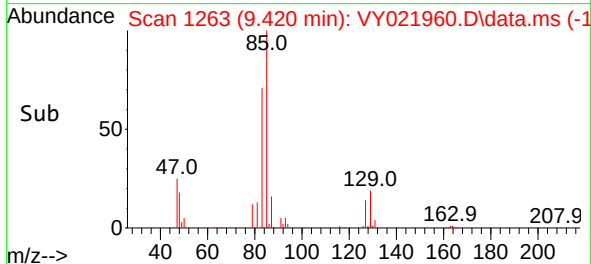
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



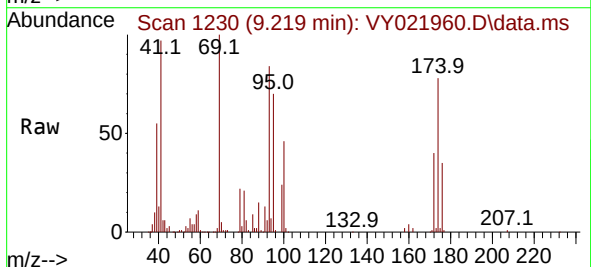
Tgt Ion: 83 Resp: 235730
Ion Ratio Lower Upper
83 100
85 62.5 51.8 77.8
127 8.5 7.0 10.6

Manual Integrations
APPROVED

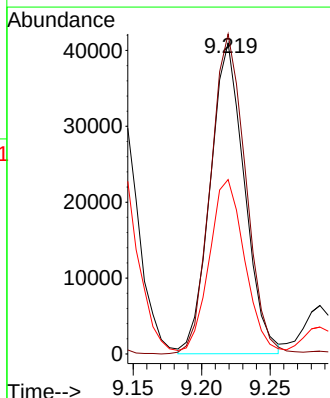
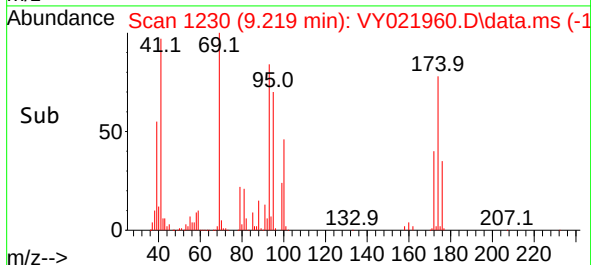
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

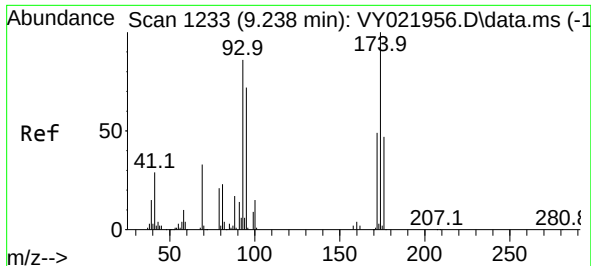


#48
Methyl methacrylate
Concen: 49.090 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



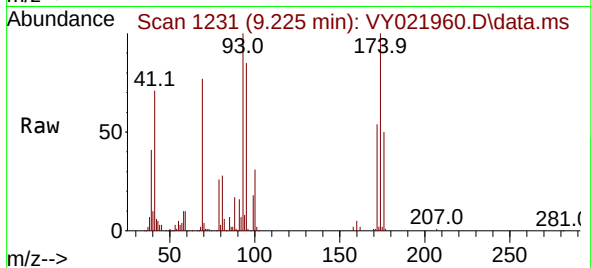
Tgt Ion: 41 Resp: 71174
Ion Ratio Lower Upper
41 100
69 105.2 85.5 128.3
39 55.9 46.2 69.4





#49
1,4-Dioxane
Concen: 951.409 ug/l
RT: 9.225 min Scan# 1233
Delta R.T. -0.012 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

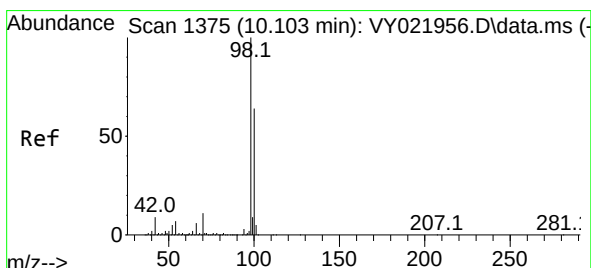
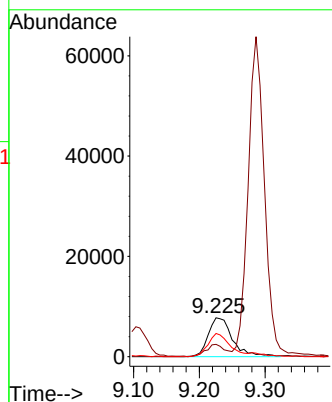
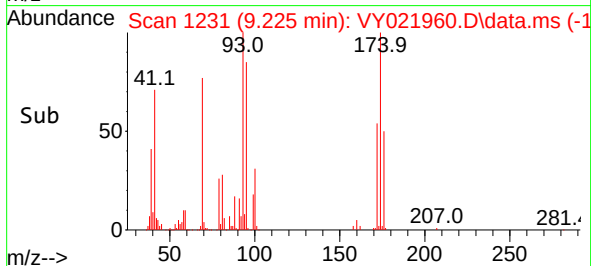
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion: 88 Resp: 19954
Ion Ratio Lower Upper
88 100
43 25.4 21.3 31.9
58 53.4 50.5 75.7

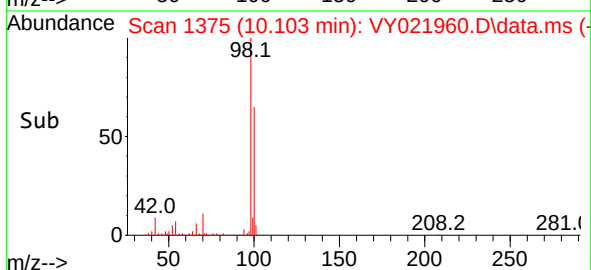
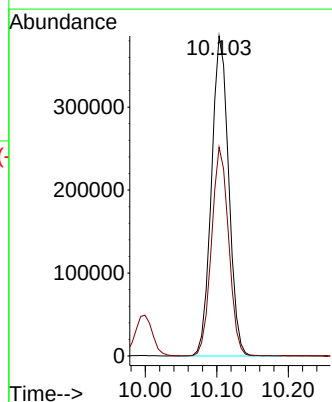
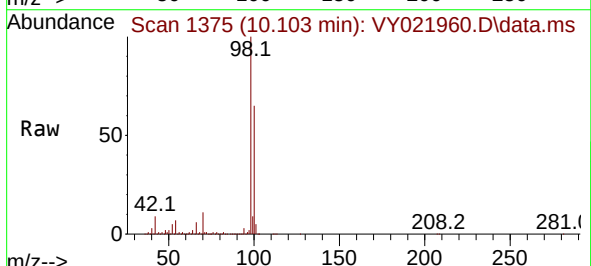
Manual Integrations
APPROVED

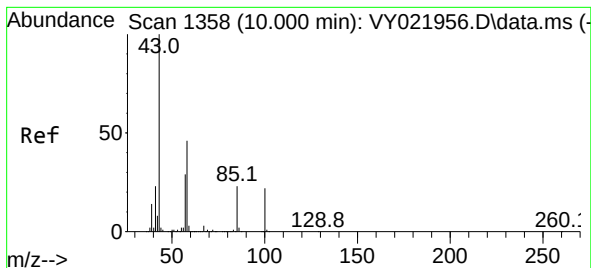
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50
Toluene-d8
Concen: 50.539 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 98 Resp: 644989
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4





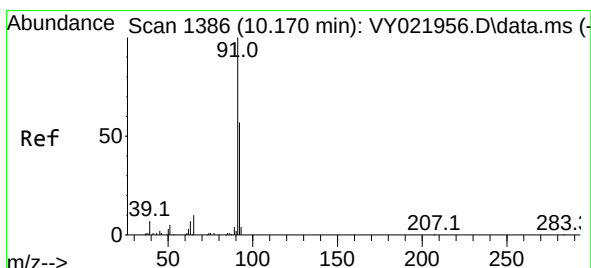
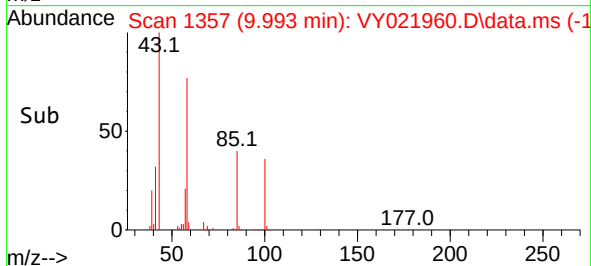
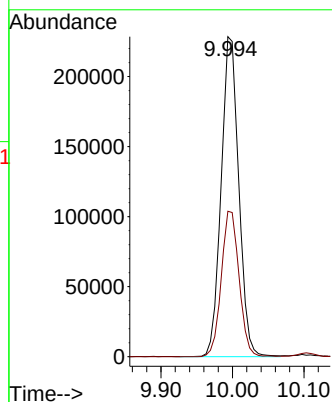
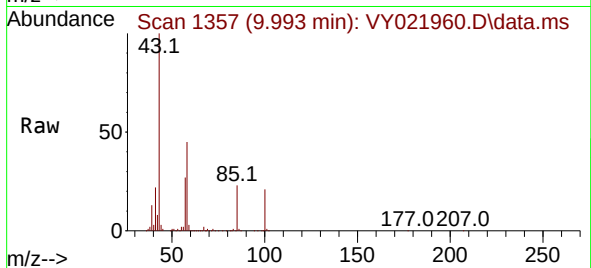
#51
4-Methyl-2-Pentanone
Concen: 237.972 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument : MSVOA_Y
ClientSampleId : ICVVY042225

Tgt Ion: 43 Resp: 391249
Ion Ratio Lower Upper
43 100
58 45.8 36.6 55.0

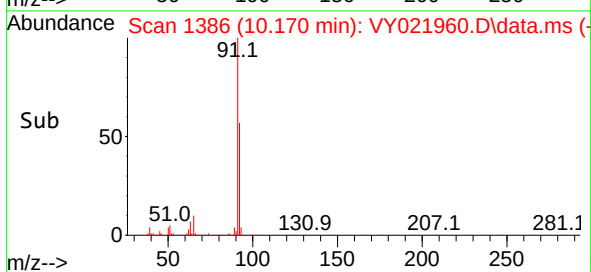
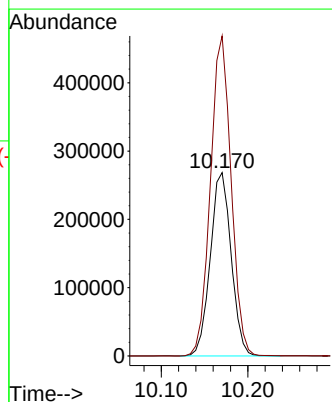
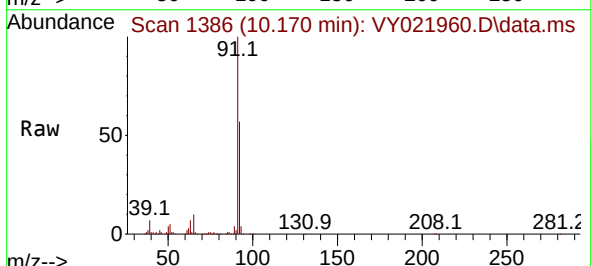
Manual Integrations
APPROVED

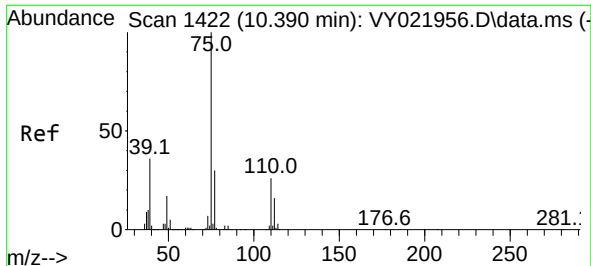
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 48.774 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

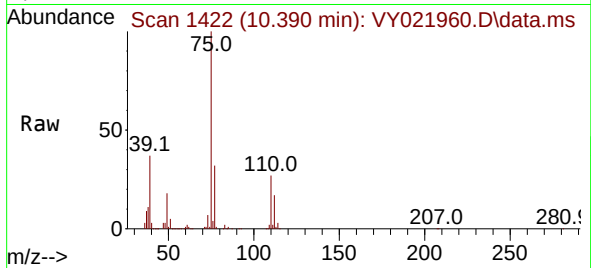
Tgt Ion: 92 Resp: 448774
Ion Ratio Lower Upper
92 100
91 173.1 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 47.893 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

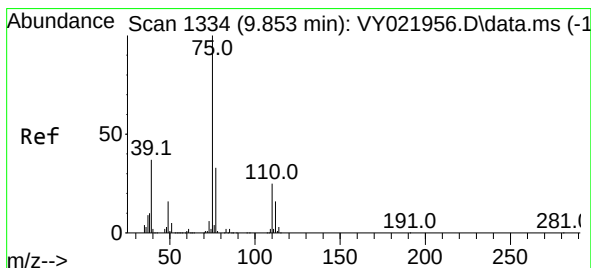
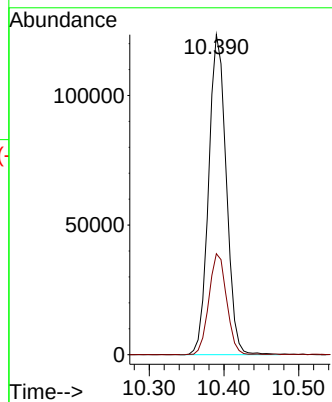
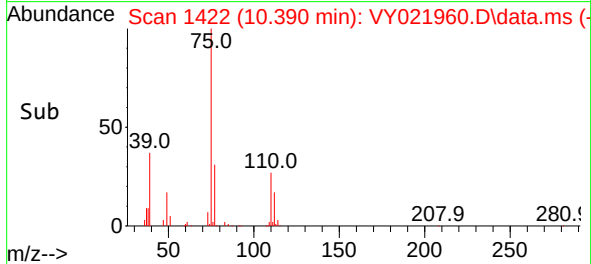
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



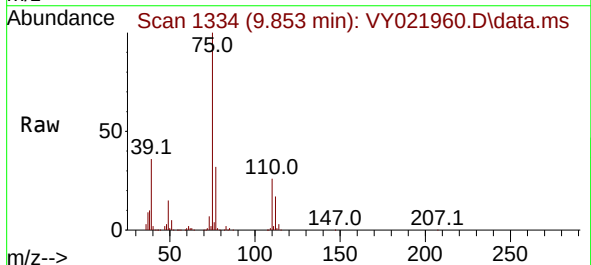
Tgt Ion: 75 Resp: 201939
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0

Manual Integrations
APPROVED

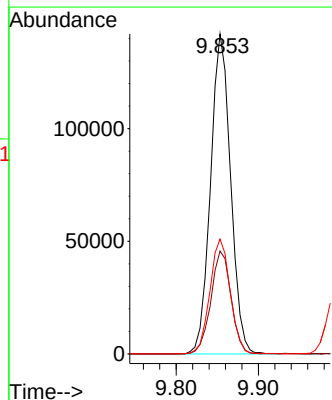
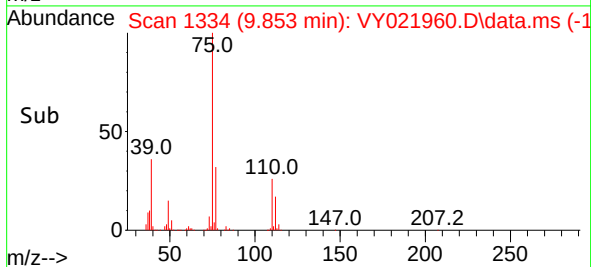
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

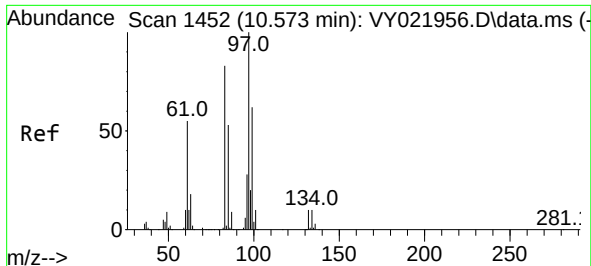


#54
cis-1,3-Dichloropropene
Concen: 48.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



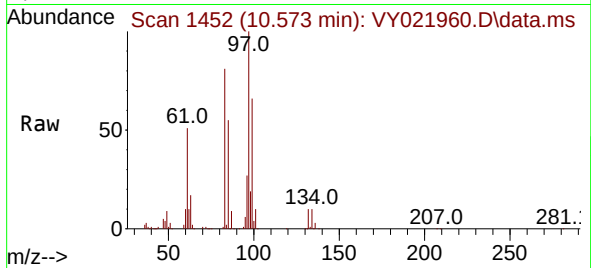
Tgt Ion: 75 Resp: 241197
Ion Ratio Lower Upper
75 100
77 32.1 26.6 40.0
39 35.9 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 47.403 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

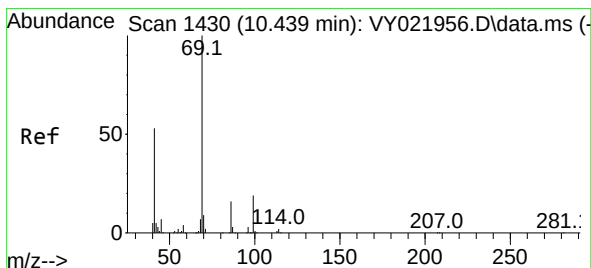
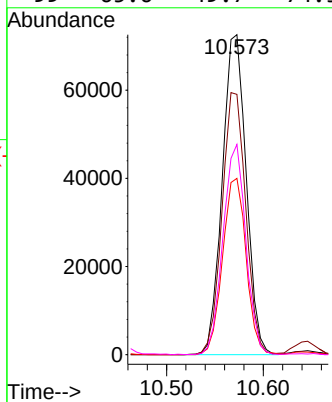
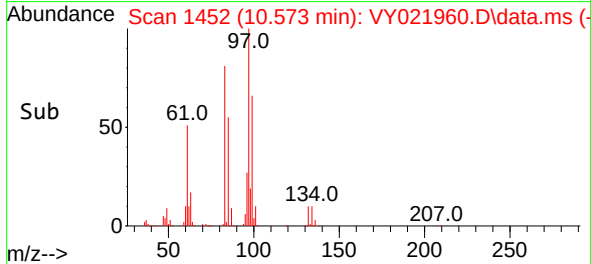
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



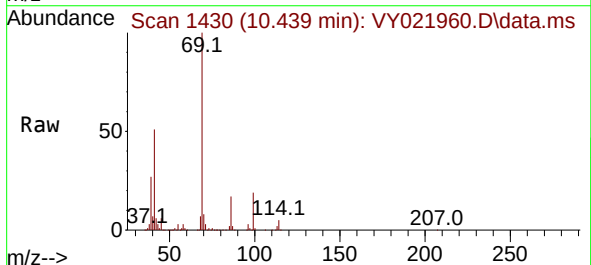
Tgt Ion: 97 Resp: 124598
Ion Ratio Lower Upper
97 100
83 81.4 66.7 100.1
85 55.1 42.6 64.0
99 65.6 49.7 74.5

Manual Integrations
APPROVED

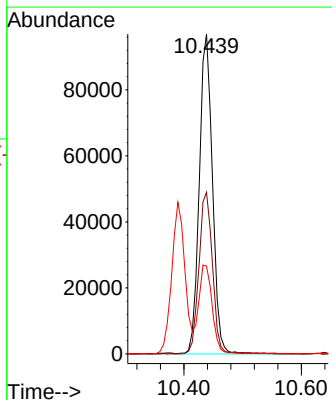
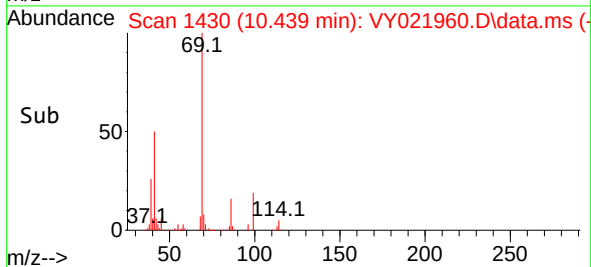
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

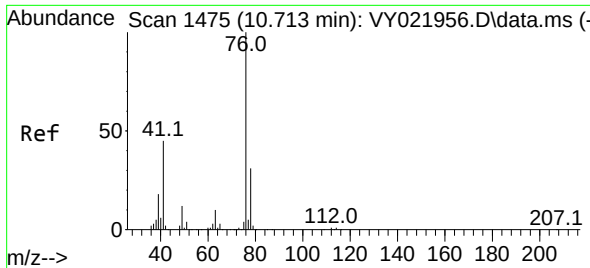


#56
Ethyl methacrylate
Concen: 50.188 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



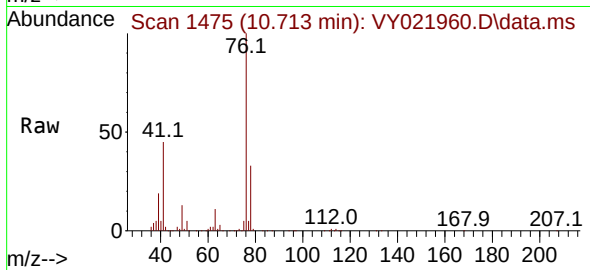
Tgt Ion: 69 Resp: 150855
Ion Ratio Lower Upper
69 100
41 51.3 40.7 61.1
39 28.3 23.3 34.9





#57
1,3-Dichloropropane
Concen: 47.024 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

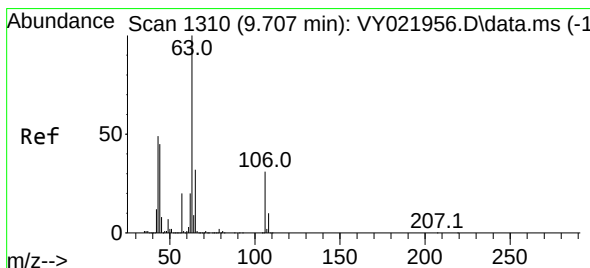
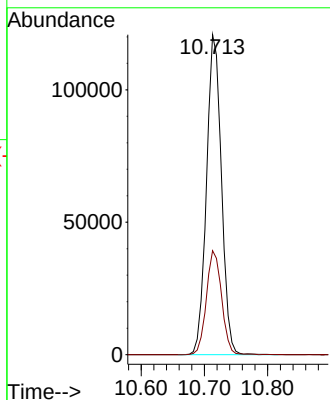
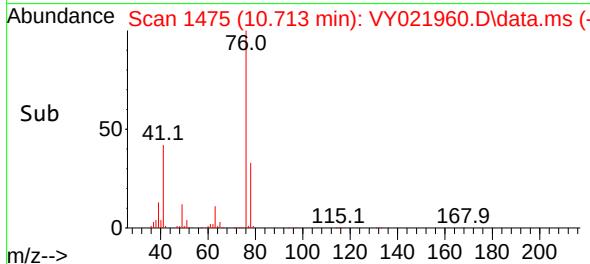
Instrument : MSVOA_Y
ClientSampleId : ICVVY042225



Tgt Ion: 76 Resp: 19814
Ion Ratio Lower Upper
76 100
78 33.2 26.6 39.8

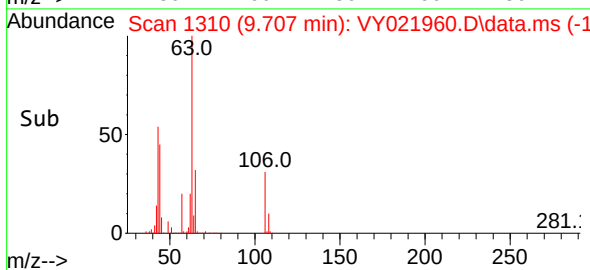
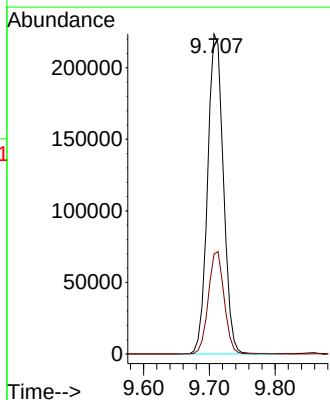
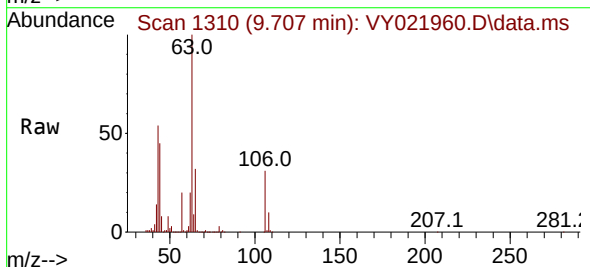
Manual Integrations
APPROVED

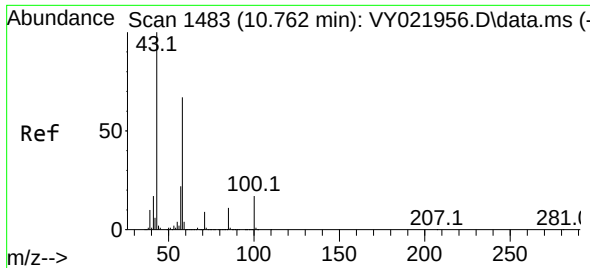
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 253.928 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

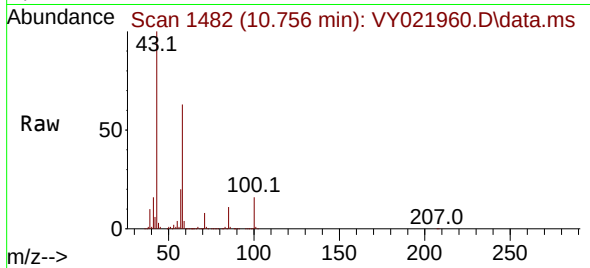
Tgt Ion: 63 Resp: 373183
Ion Ratio Lower Upper
63 100
106 32.0 25.3 37.9





#59
2-Hexanone
Concen: 238.340 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

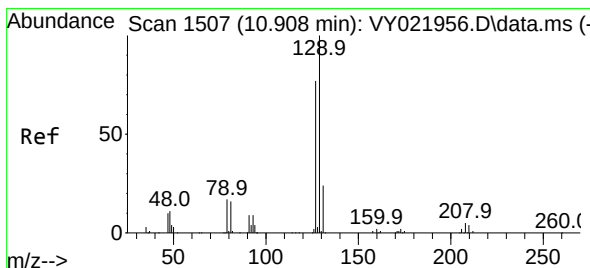
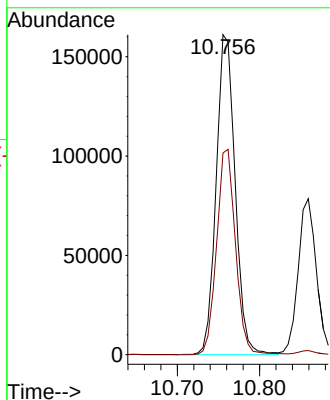
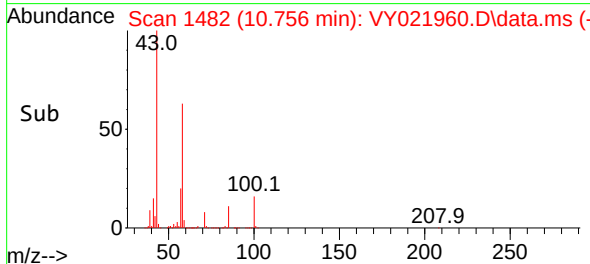
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion: 43 Resp: 258458
Ion Ratio Lower Upper
43 100
58 63.9 32.0 96.0

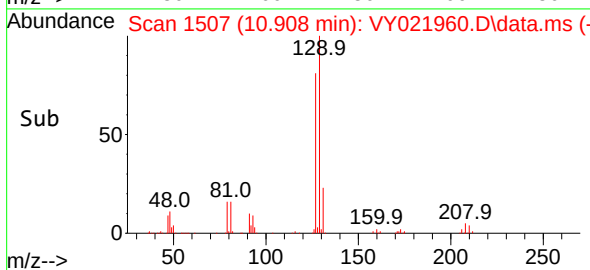
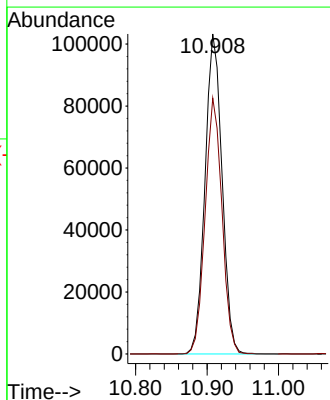
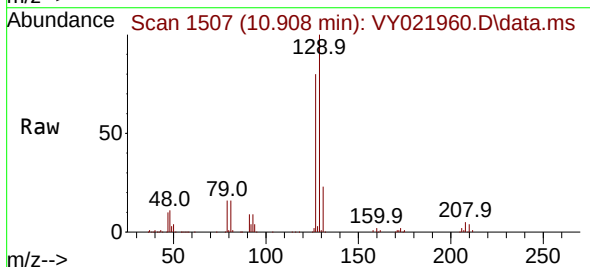
Manual Integrations
APPROVED

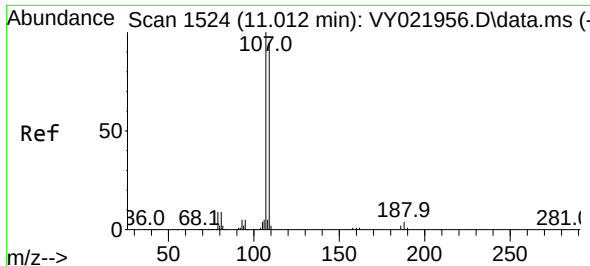
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 46.882 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

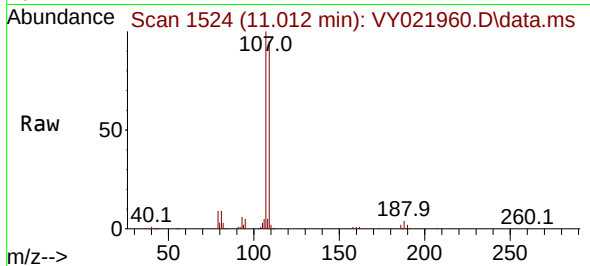
Tgt Ion:129 Resp: 170608
Ion Ratio Lower Upper
129 100
127 79.2 38.5 115.3





#61
1,2-Dibromoethane
Concen: 47.188 ug/l
RT: 11.012 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

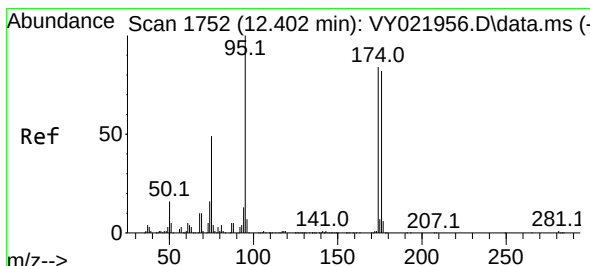
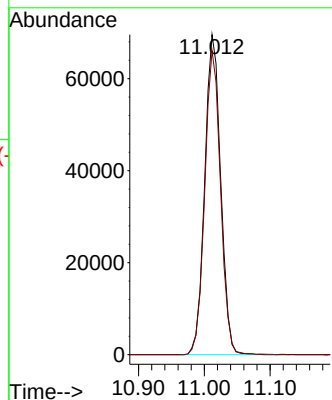
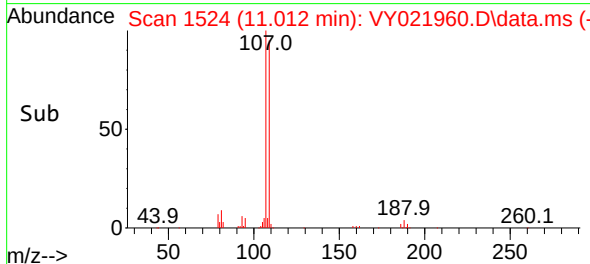
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



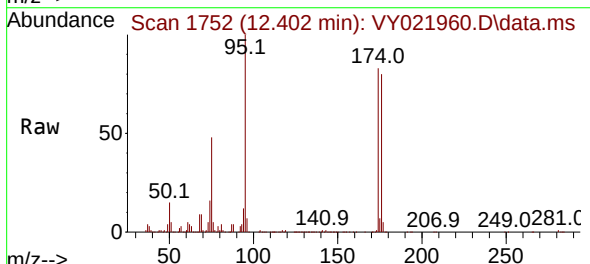
Tgt Ion:107 Resp: 117095
Ion Ratio Lower Upper
107 100
109 94.1 75.8 113.8

Manual Integrations
APPROVED

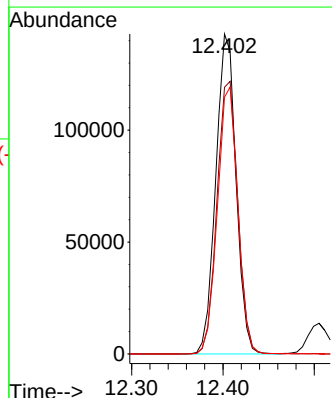
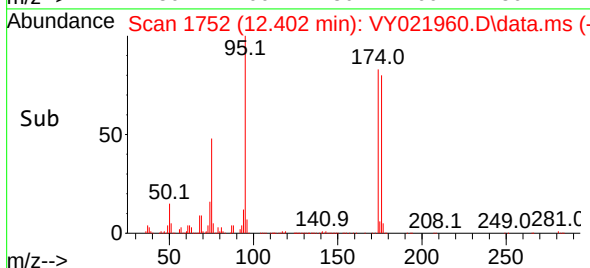
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

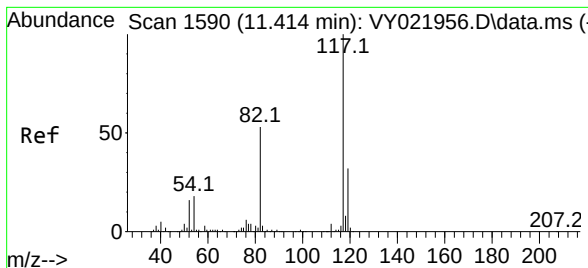


#62
4-Bromofluorobenzene
Concen: 51.198 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



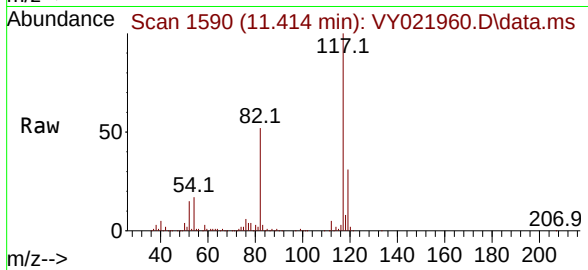
Tgt Ion: 95 Resp: 219958
Ion Ratio Lower Upper
95 100
174 87.8 0.0 179.0
176 84.4 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

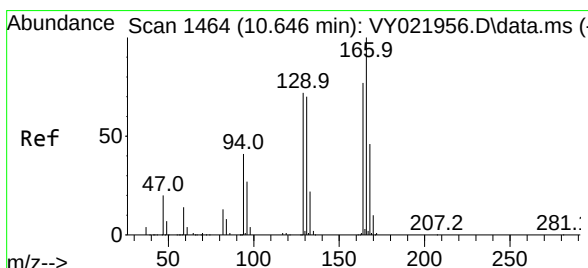
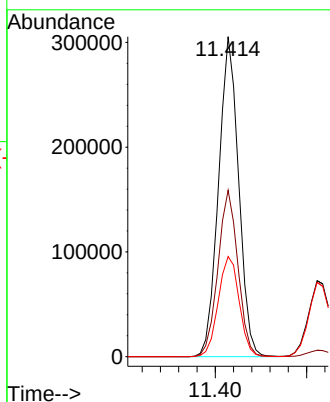
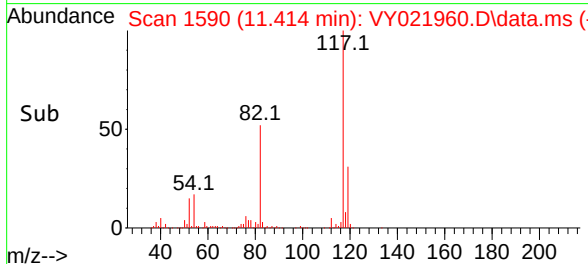
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



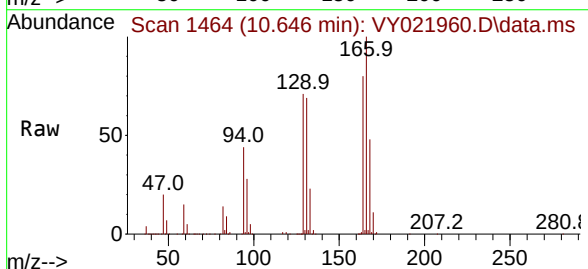
Tgt Ion:117 Resp: 467094
Ion Ratio Lower Upper
117 100
82 52.0 42.1 63.1
119 31.3 25.7 38.5

Manual Integrations
APPROVED

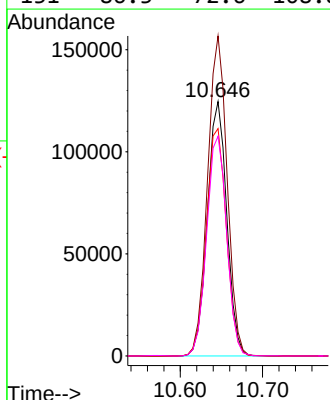
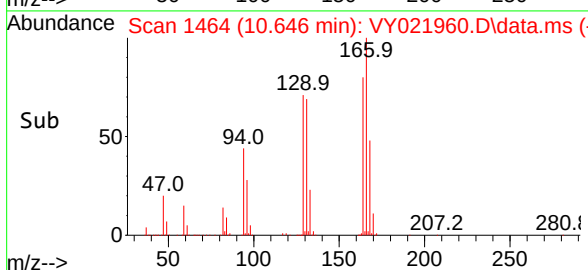
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

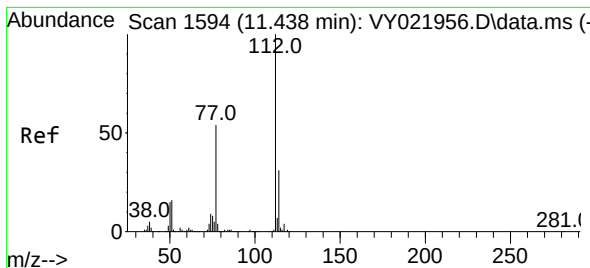


#64
Tetrachloroethene
Concen: 46.550 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



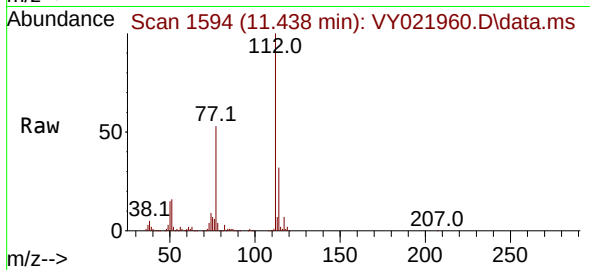
Tgt Ion:164 Resp: 205118
Ion Ratio Lower Upper
164 100
166 125.8 103.6 155.4
129 89.4 74.2 111.4
131 86.3 72.6 108.8





#65
Chlorobenzene
Concen: 47.734 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

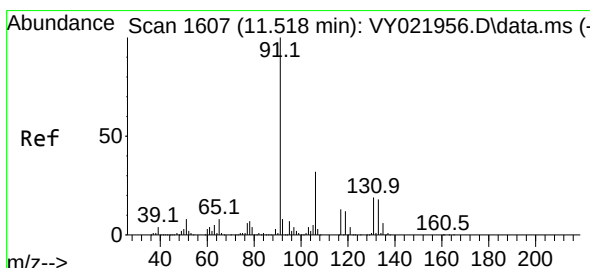
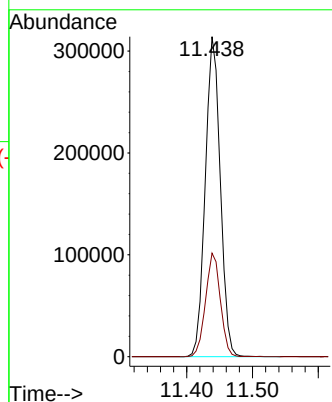
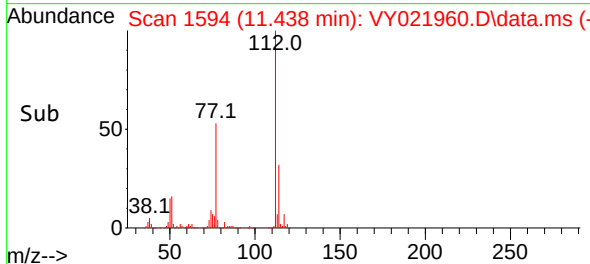
Instrument :
MSVOA_Y
ClientSampleId :
ICVY042225



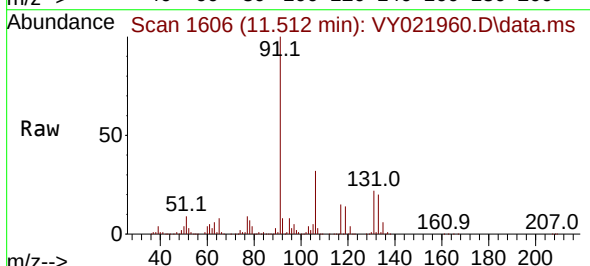
Tgt Ion:112 Resp: 49860
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

Manual Integrations
APPROVED

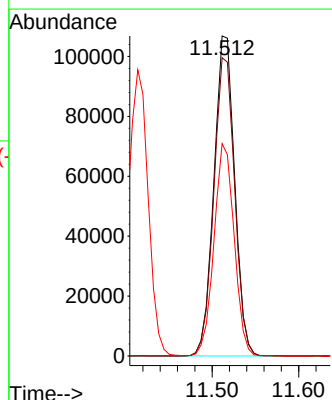
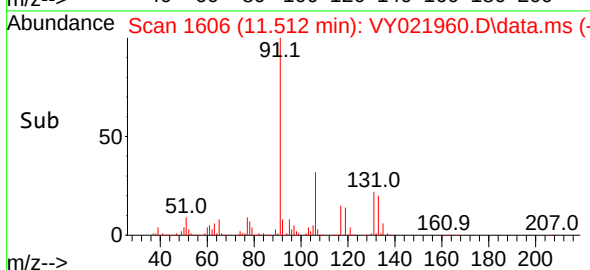
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

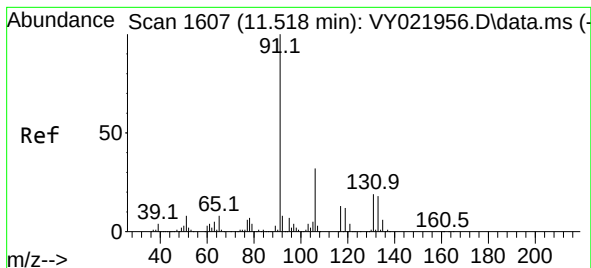


#66
1,1,1,2-Tetrachloroethane
Concen: 48.308 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



Tgt Ion:131 Resp: 177647
Ion Ratio Lower Upper
131 100
133 94.0 47.8 143.3
119 64.7 32.4 97.0





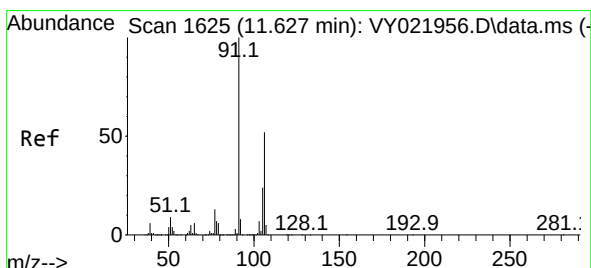
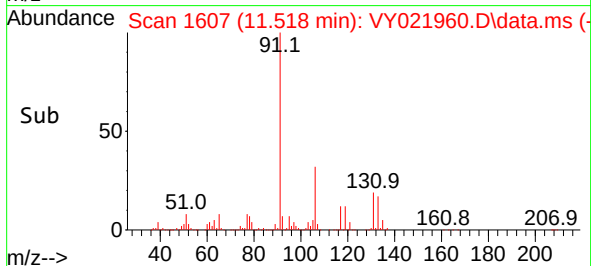
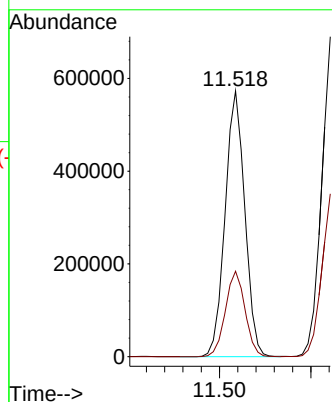
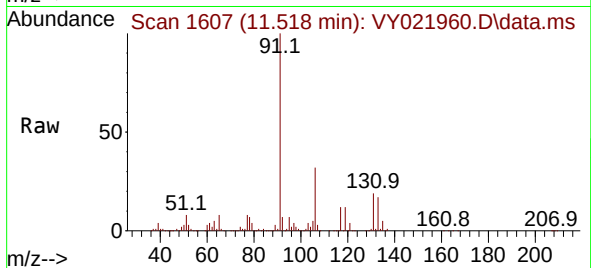
#67
Ethyl Benzene
Concen: 50.142 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 91 Resp: 856779
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9

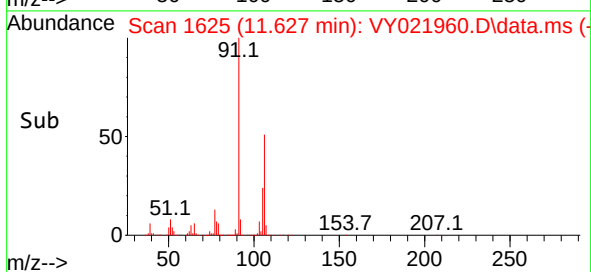
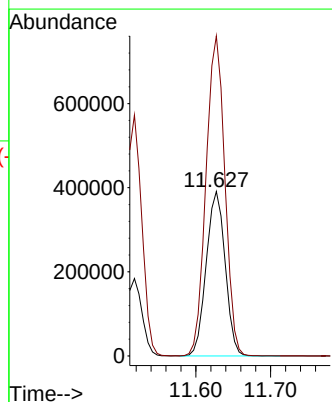
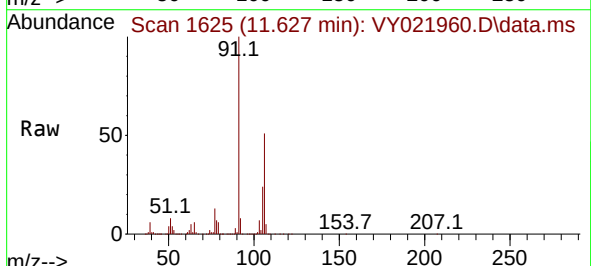
Manual Integrations
APPROVED

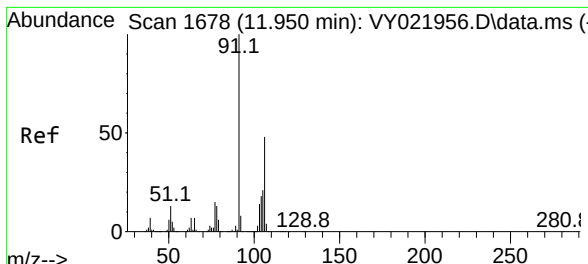
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#68
m/p-Xylenes
Concen: 101.181 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

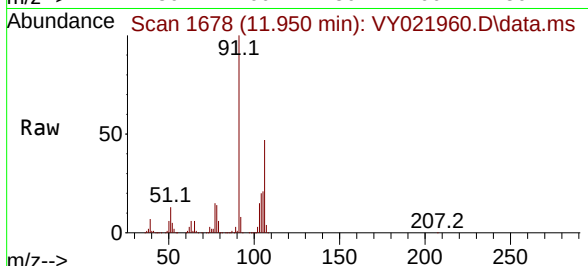
Tgt Ion:106 Resp: 687961
Ion Ratio Lower Upper
106 100
91 193.7 156.2 234.2





#69
o-Xylene
Concen: 50.949 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

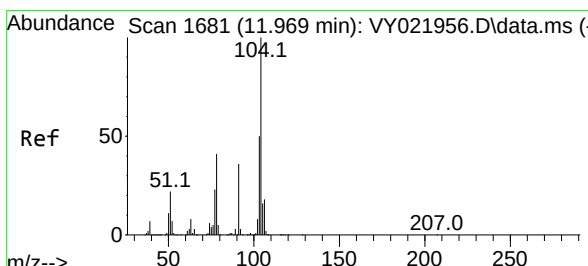
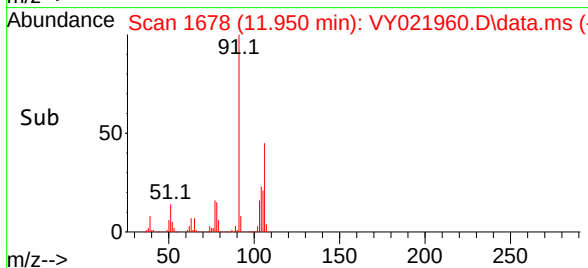
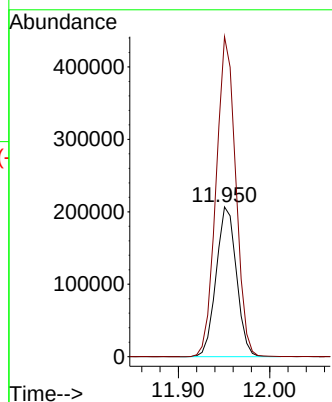
Instrument : MSVOA_Y
ClientSampleId : ICVVY042225



Tgt Ion:106 Resp: 31929
Ion Ratio Lower Upper
106 100
91 206.7 103.0 308.9

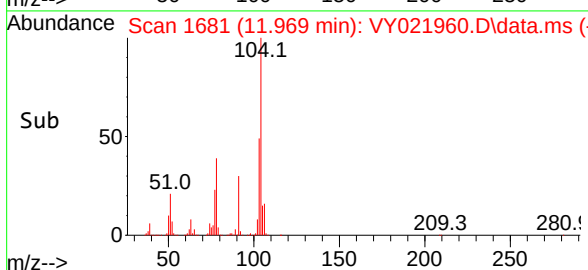
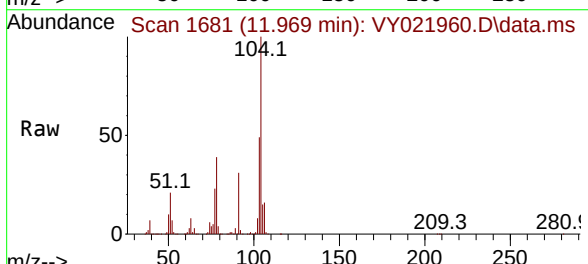
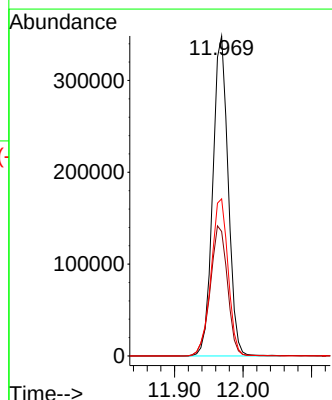
Manual Integrations
APPROVED

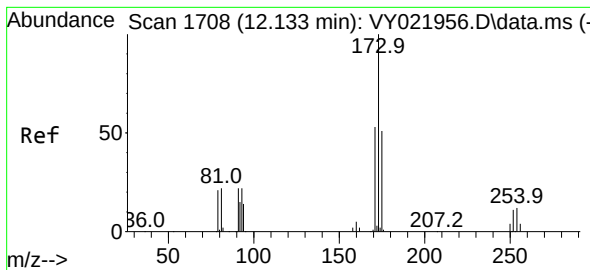
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 51.513 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

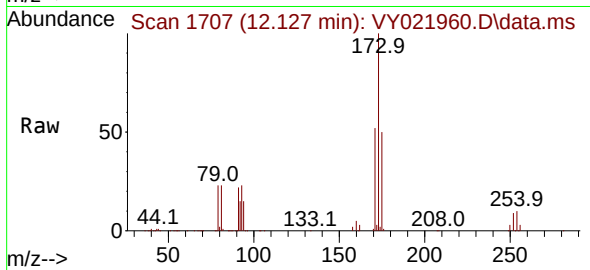
Tgt Ion:104 Resp: 542034
Ion Ratio Lower Upper
104 100
78 45.5 36.6 54.8
103 54.4 43.8 65.8





#71
Bromoform
Concen: 47.821 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

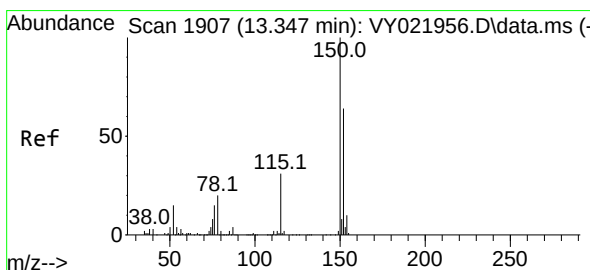
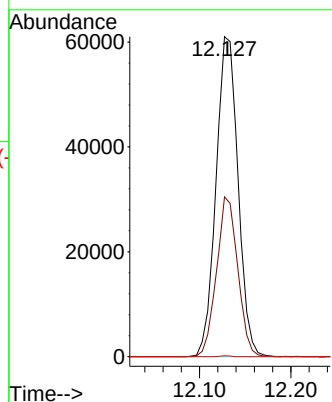
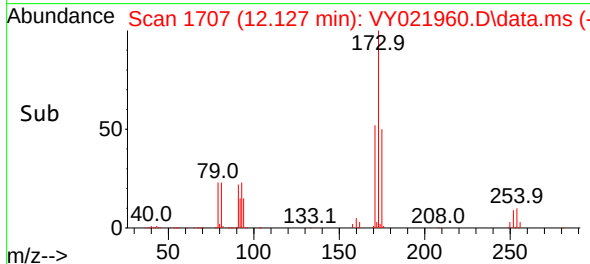
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



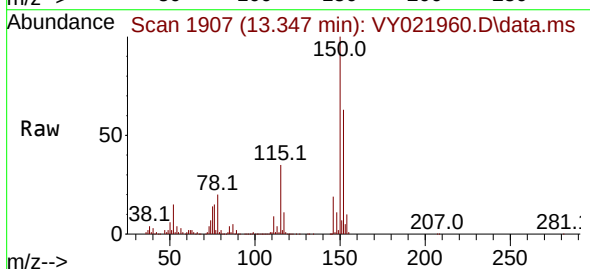
Tgt Ion:173 Resp: 10224
Ion Ratio Lower Upper
173 100
175 48.2 24.3 72.8
254 0.1 0.0 0.0

Manual Integrations
APPROVED

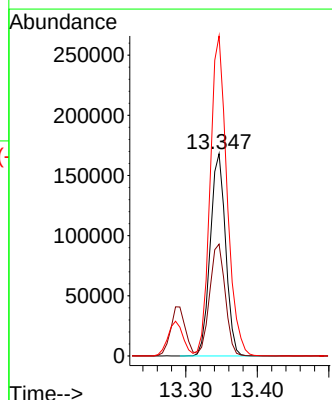
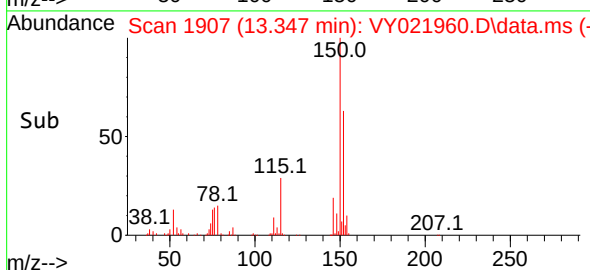
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

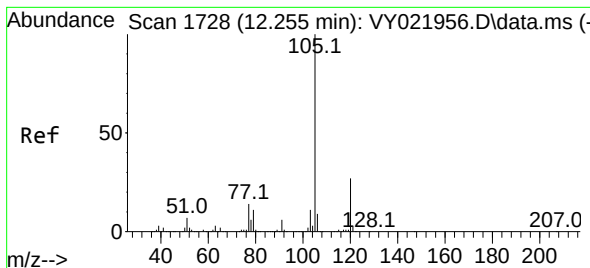


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



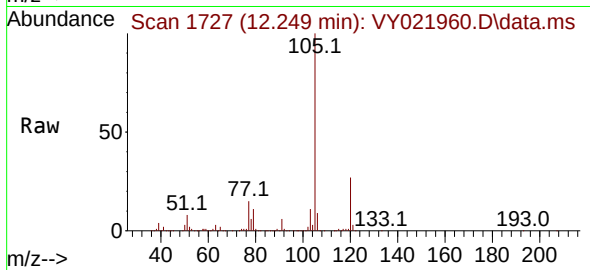
Tgt Ion:152 Resp: 250602
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 173.6 0.0 345.6





#73
Isopropylbenzene
Concen: 49.765 ug/l
RT: 12.249 min Scan# 1728
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

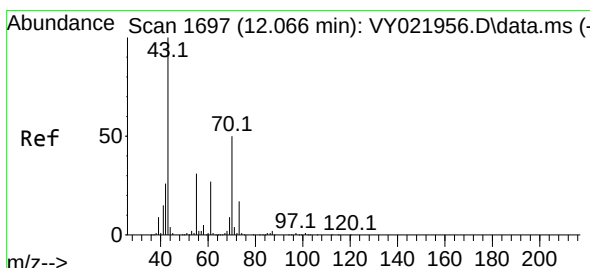
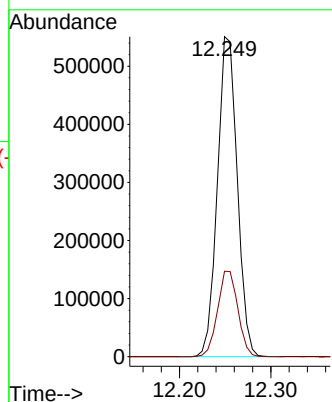
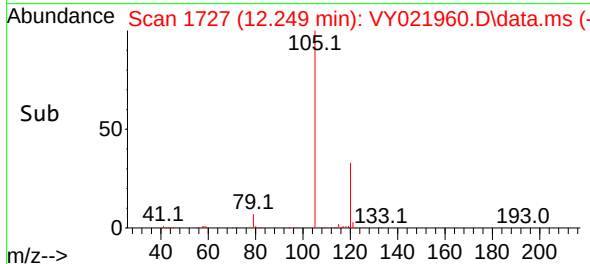
Instrument :
MSVOA_Y
ClientSampleId :
ICVY042225



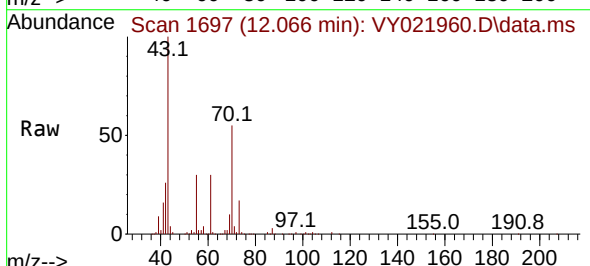
Tgt Ion: 105 Resp: 833210
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5

Manual Integrations
APPROVED

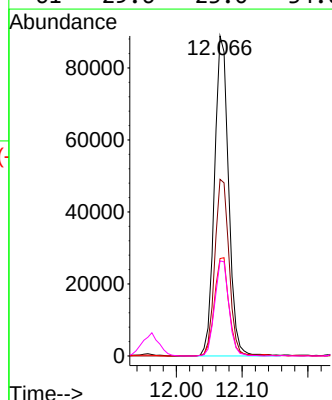
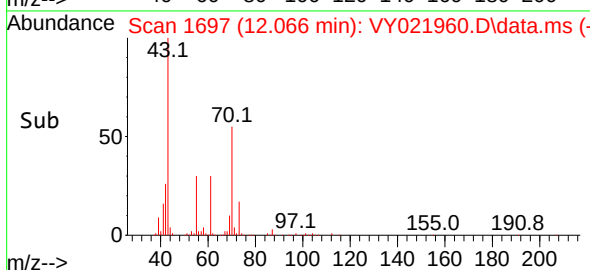
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

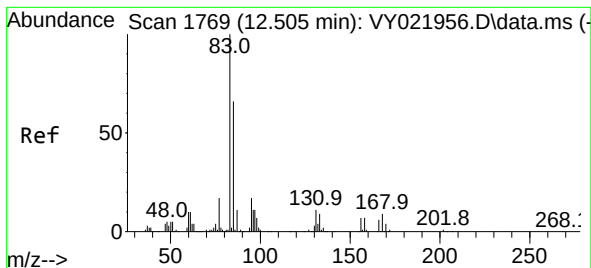


#74
N-ethyl acetate
Concen: 46.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



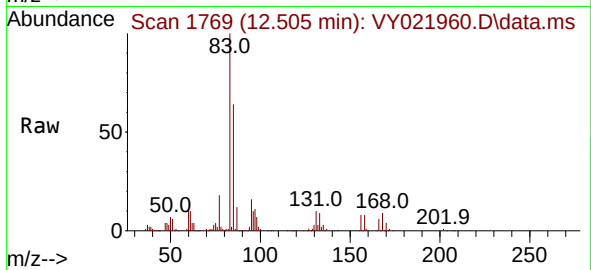
Tgt Ion: 43 Resp: 133081
Ion Ratio Lower Upper
43 100
70 55.2 43.2 64.8
55 31.6 25.7 38.5
61 29.6 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 46.078 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

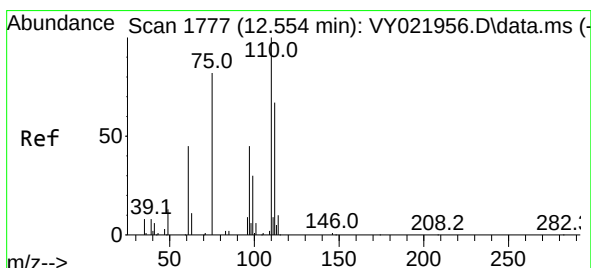
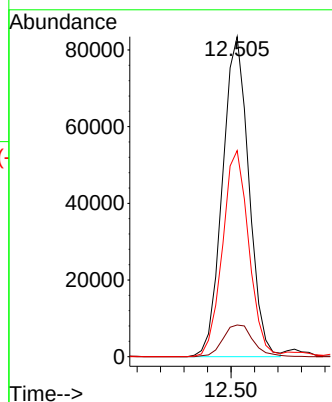
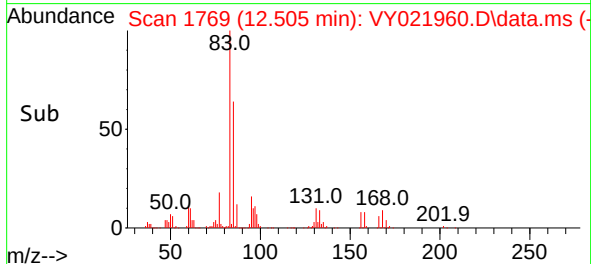
Instrument :
MSVOA_Y
ClientSampleId :
ICVY042225



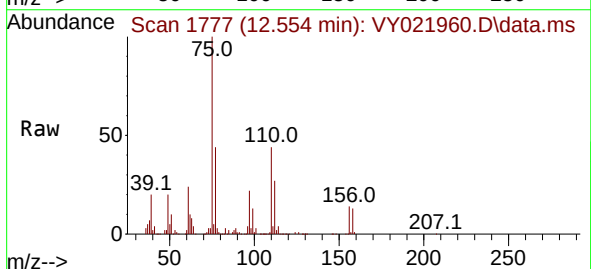
Tgt Ion: 83 Resp: 130070
Ion Ratio Lower Upper
83 100
131 11.4 5.5 16.4
85 64.4 32.3 96.8

Manual Integrations
APPROVED

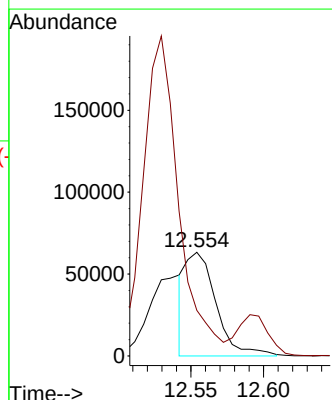
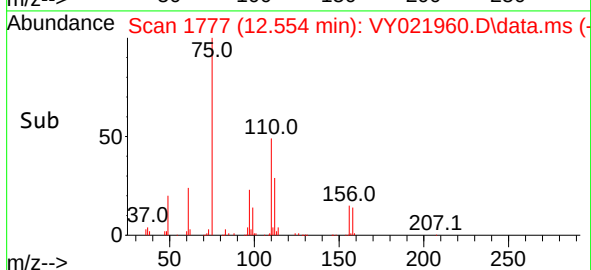
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

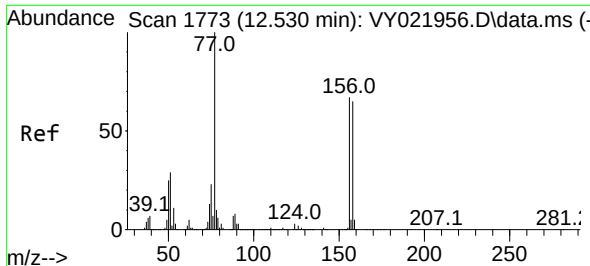


#76
1,2,3-Trichloropropane
Concen: 43.169 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



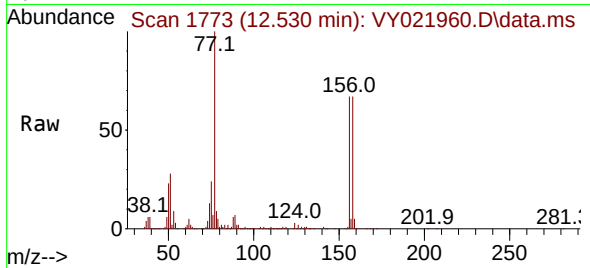
Tgt Ion: 75 Resp: 92664
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 47.741 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

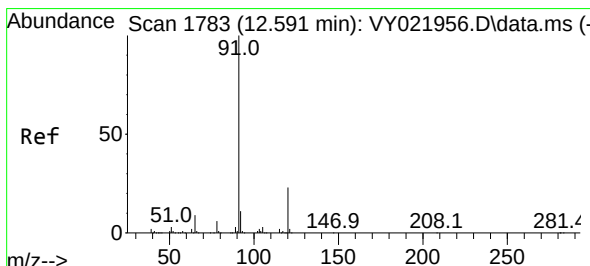
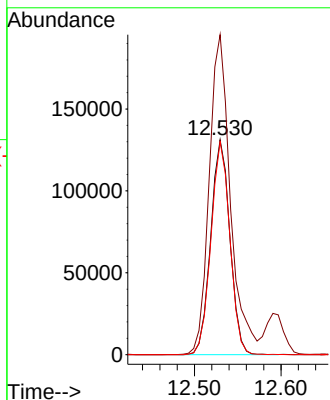
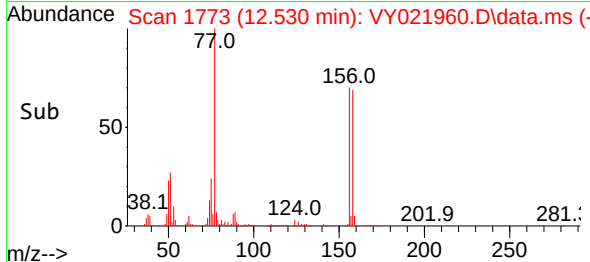
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion: 156 Resp: 201978
Ion Ratio Lower Upper
156 100
77 164.7 82.7 248.1
158 97.8 48.1 144.4

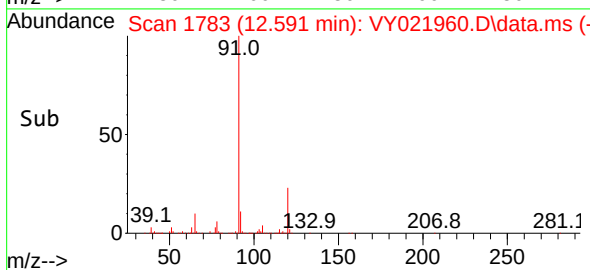
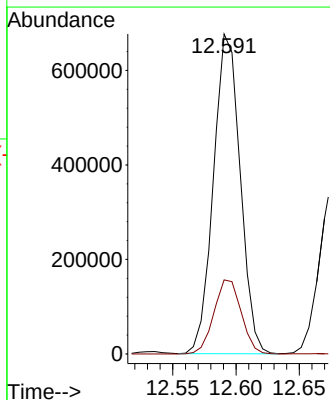
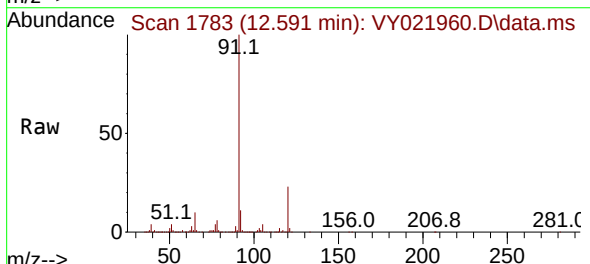
Manual Integrations
APPROVED

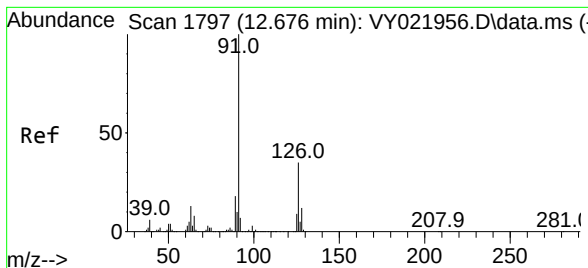
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 49.907 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

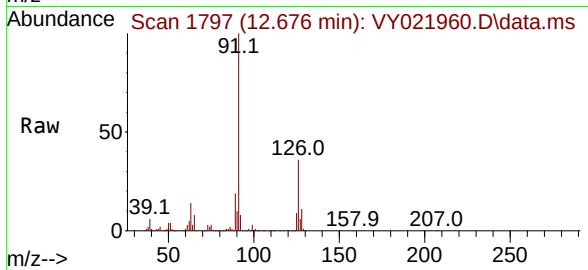
Tgt Ion: 91 Resp: 995089
Ion Ratio Lower Upper
91 100
120 23.6 11.9 35.5





#79
2-Chlorotoluene
Concen: 48.351 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

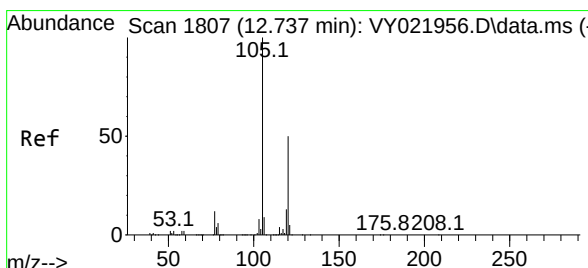
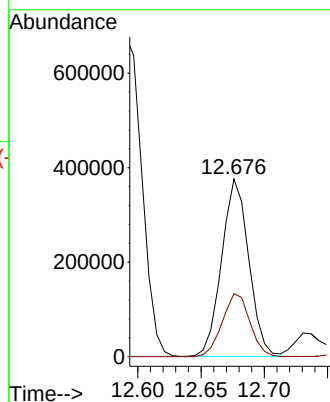
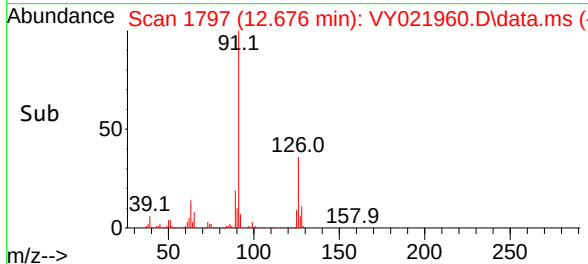
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



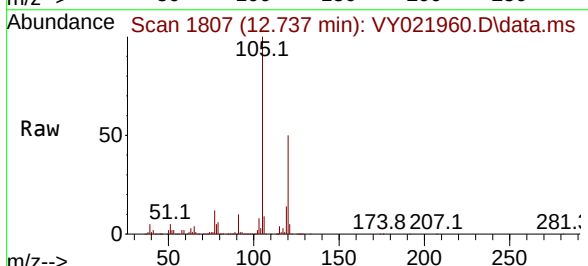
Tgt Ion: 91 Resp: 56066
Ion Ratio Lower Upper
91 100
126 36.3 17.9 53.8

Manual Integrations
APPROVED

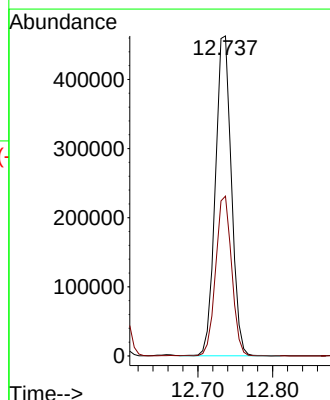
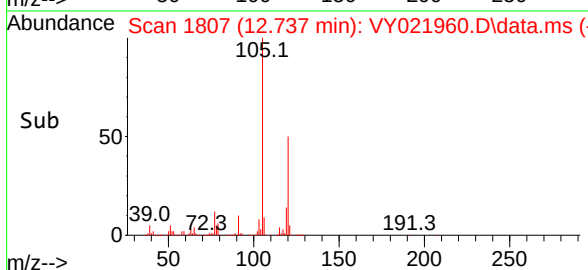
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

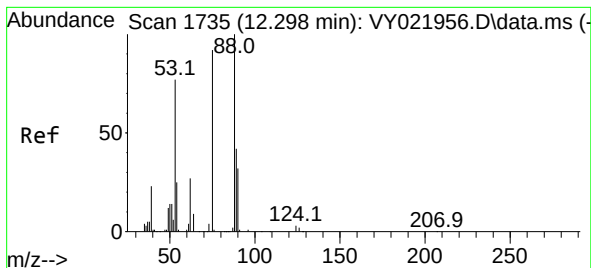


#80
1,3,5-Trimethylbenzene
Concen: 50.131 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



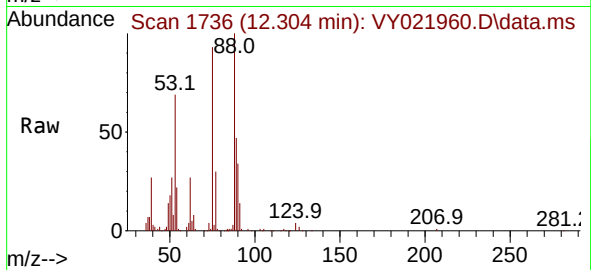
Tgt Ion:105 Resp: 691575
Ion Ratio Lower Upper
105 100
120 49.8 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 44.304 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

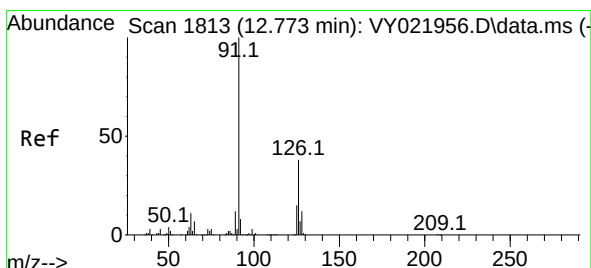
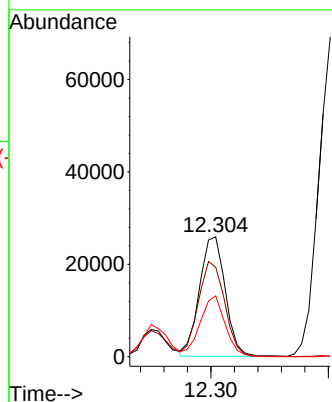
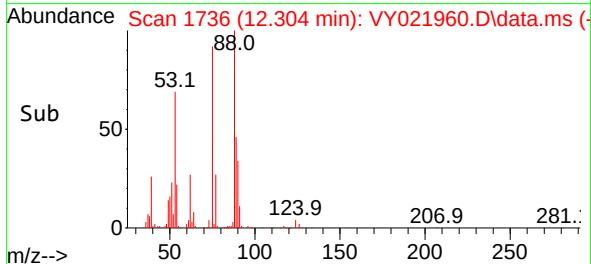
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion: 75 Resp: 3949
Ion Ratio Lower Upper
75 100
53 82.0 66.0 99.0
89 49.6 37.2 55.8

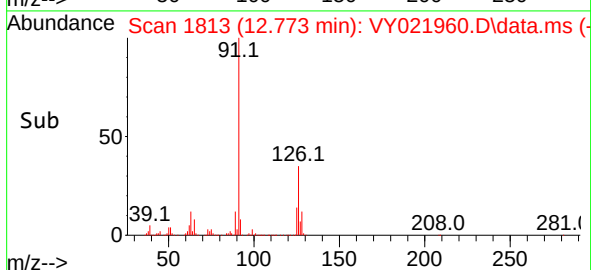
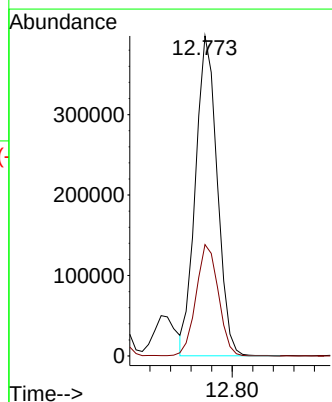
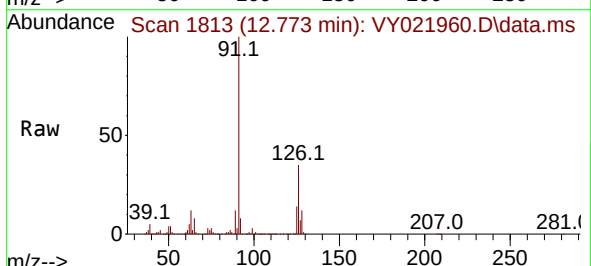
Manual Integrations
APPROVED

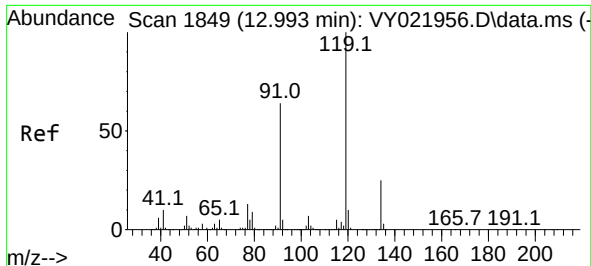
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 48.406 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

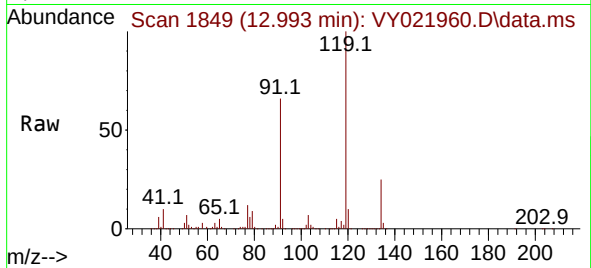
Tgt Ion: 91 Resp: 583487
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8





#83
 tert-Butylbenzene
 Concen: 51.499 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

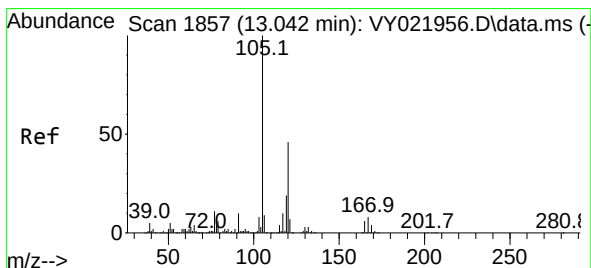
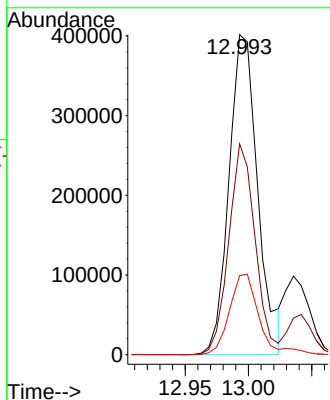
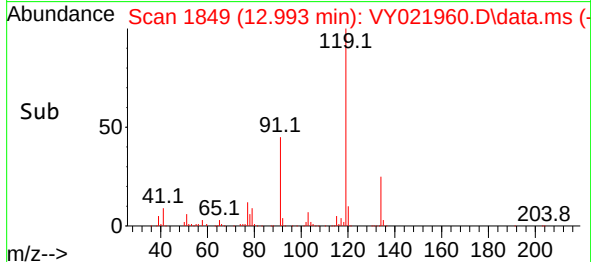
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225



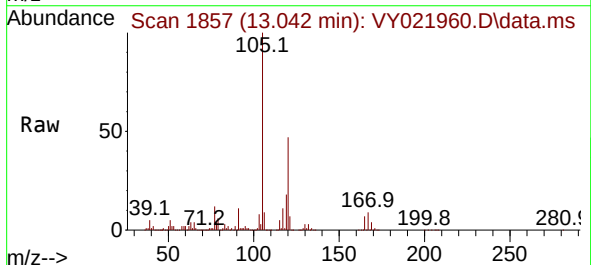
Tgt Ion:119 Resp: 63715
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.3 90.9
 134 25.7 12.9 38.7

Manual Integrations
 APPROVED

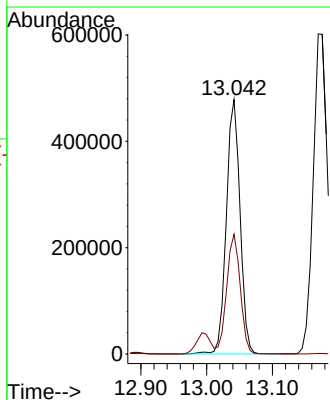
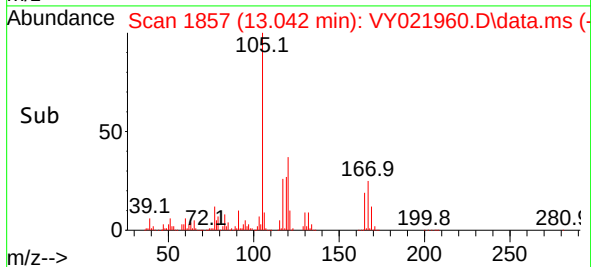
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

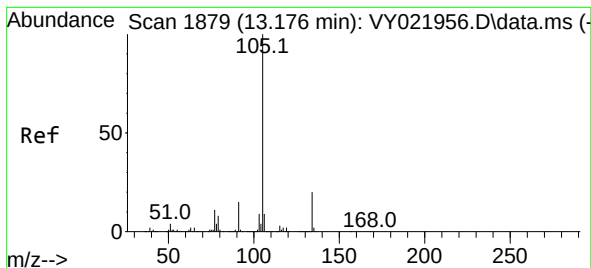


#84
 1,2,4-Trimethylbenzene
 Concen: 50.285 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01



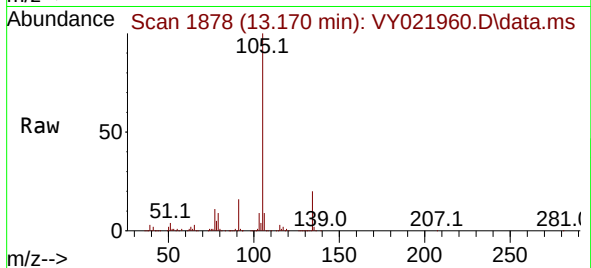
Tgt Ion:105 Resp: 693849
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0





#85
 sec-Butylbenzene
 Concen: 50.397 ug/l
 RT: 13.170 min Scan# 1879
 Delta R.T. -0.006 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

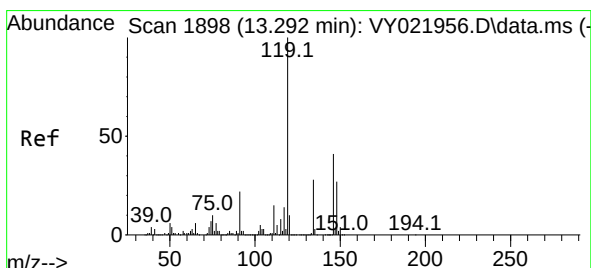
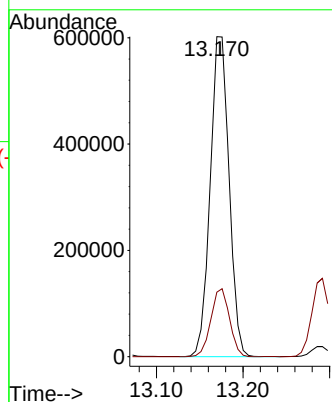
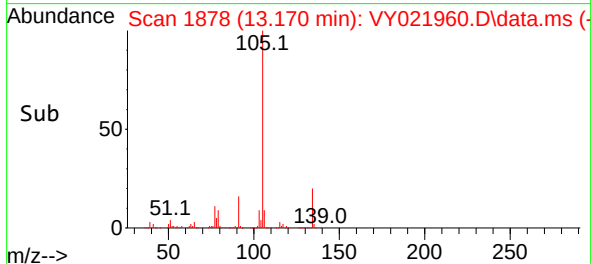
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225



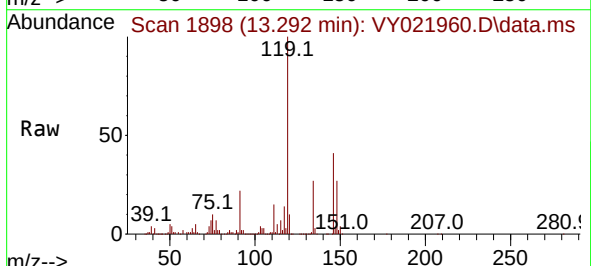
Tgt Ion:105 Resp: 912398
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.9

Manual Integrations
 APPROVED

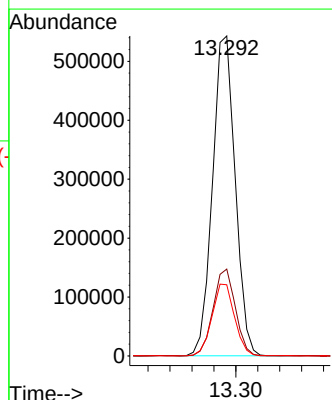
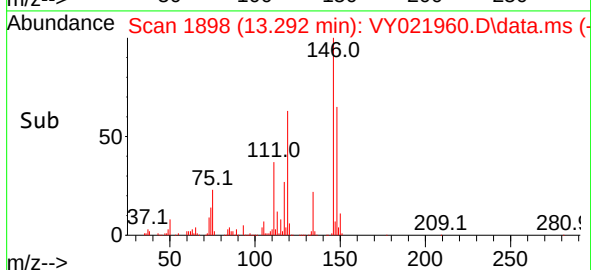
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

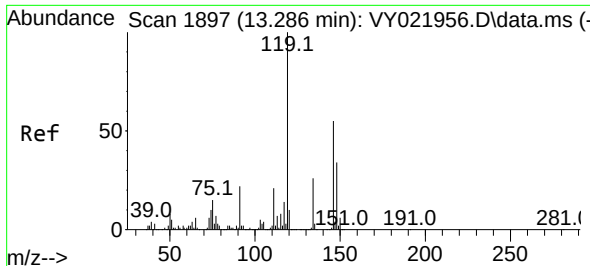


#86
 p-Isopropyltoluene
 Concen: 50.831 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01



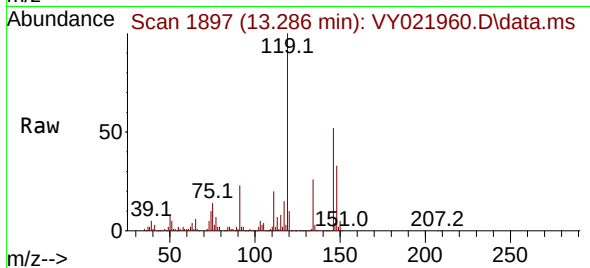
Tgt Ion:119 Resp: 781445
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.6 40.7
 91 22.3 11.0 33.0





#87
 1,3-Dichlorobenzene
 Concen: 47.528 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01

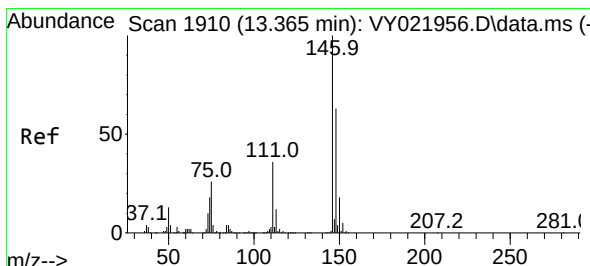
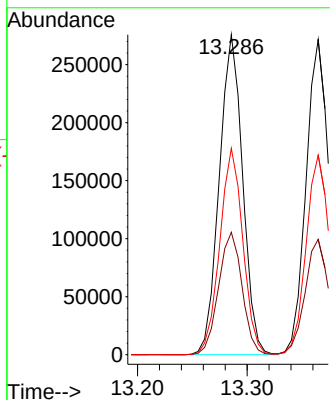
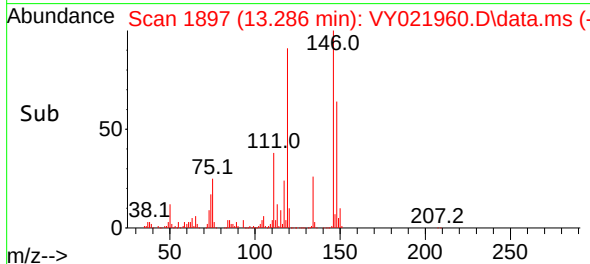
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225



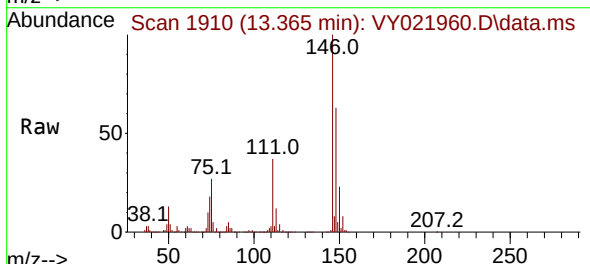
Tgt Ion:146 Resp: 408394
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.5
 148 63.8 32.0 96.2

Manual Integrations
 APPROVED

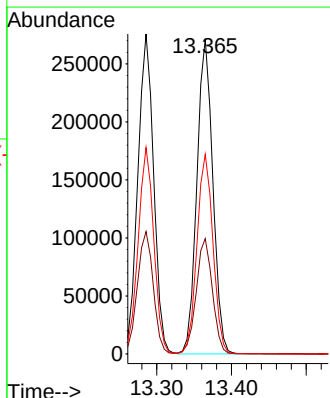
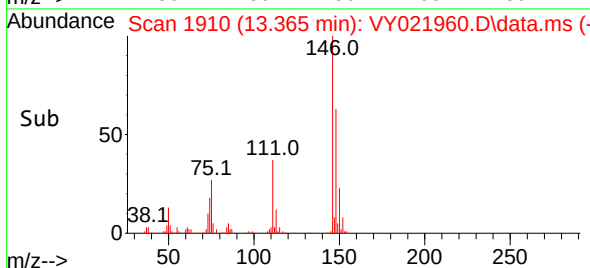
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

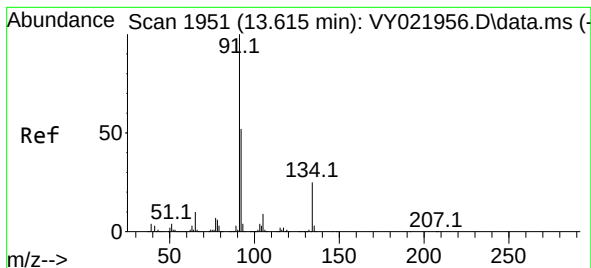


#88
 1,4-Dichlorobenzene
 Concen: 47.202 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.000 min
 Lab File: VY021960.D
 Acq: 22 Apr 2025 17:01



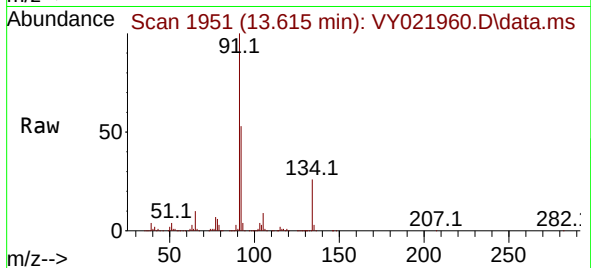
Tgt Ion:146 Resp: 401694
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.2 57.6
 148 63.8 32.0 96.0





#89
n-Butylbenzene
Concen: 50.209 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

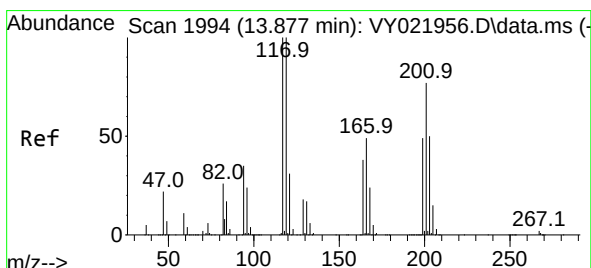
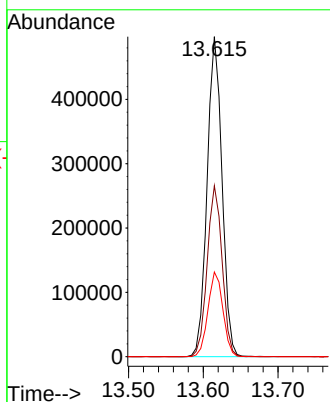
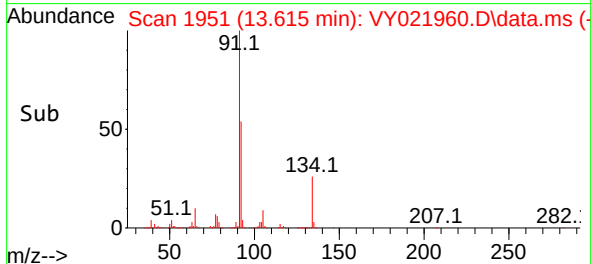
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



Tgt Ion: 91 Resp: 68993
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.5
134 26.6 13.4 40.1

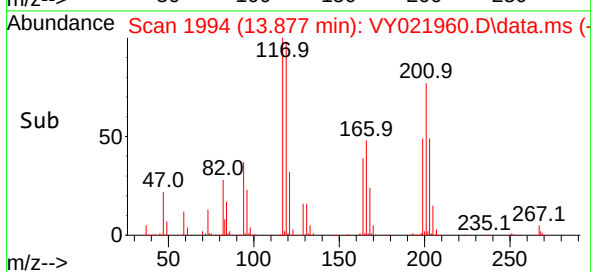
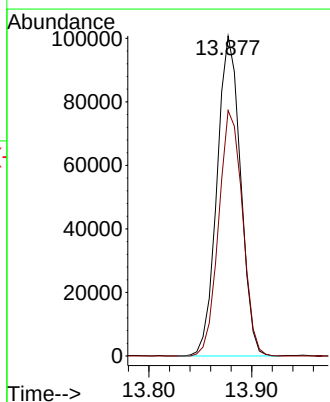
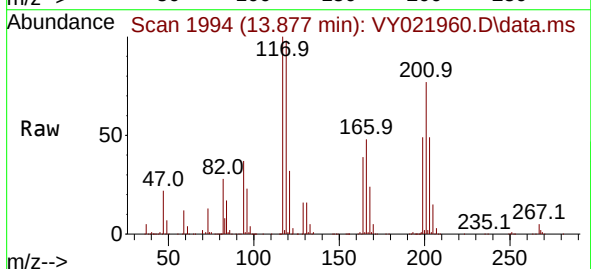
Manual Integrations
APPROVED

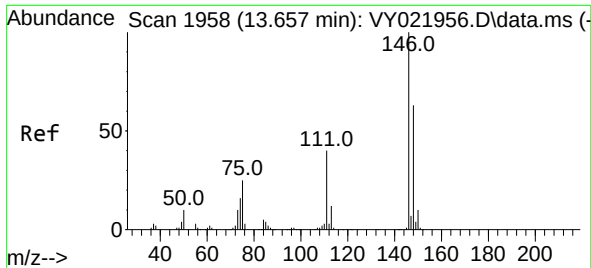
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90
Hexachloroethane
Concen: 47.410 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:117 Resp: 160136
Ion Ratio Lower Upper
117 100
201 77.7 38.7 116.1





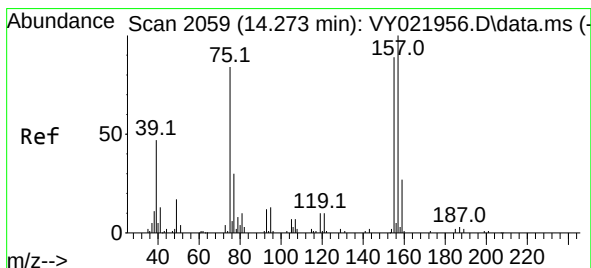
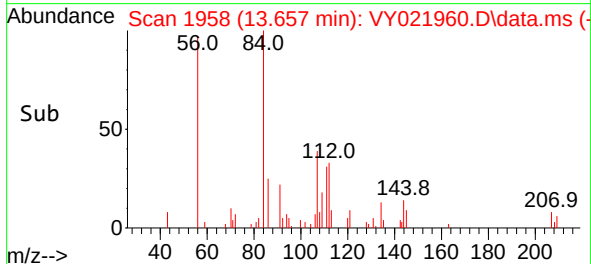
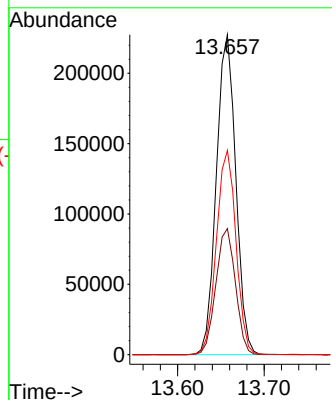
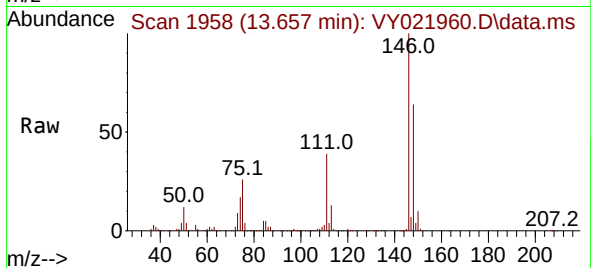
#91
1,2-Dichlorobenzene
Concen: 47.337 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:146 Resp: 354764
Ion Ratio Lower Upper
146 100
111 39.9 19.7 59.1
148 64.2 32.1 96.3

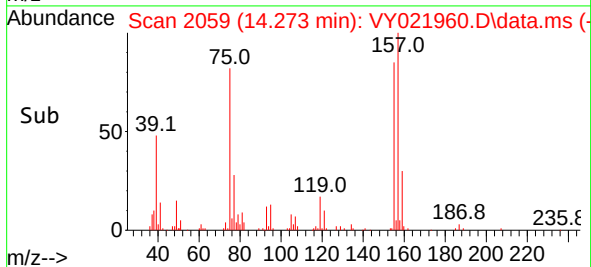
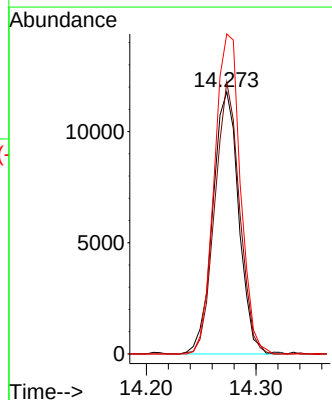
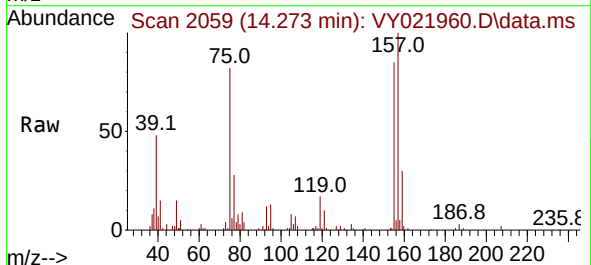
Manual Integrations
APPROVED

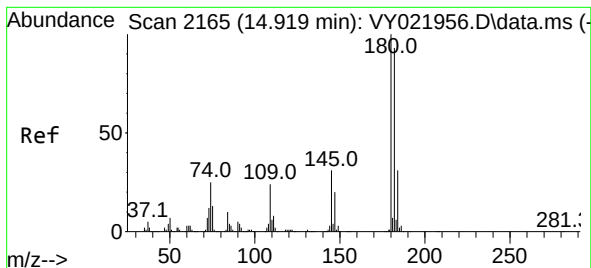
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 43.151 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

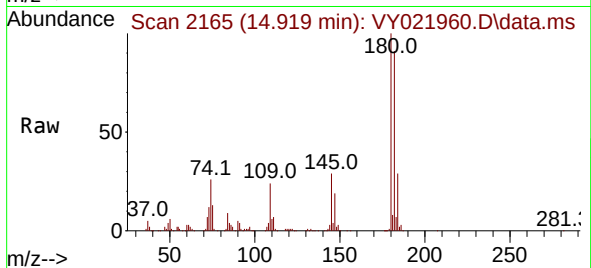
Tgt Ion: 75 Resp: 19379
Ion Ratio Lower Upper
75 100
155 98.3 50.7 152.3
157 122.9 62.6 187.8





#93
1,2,4-Trichlorobenzene
Concen: 48.811 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

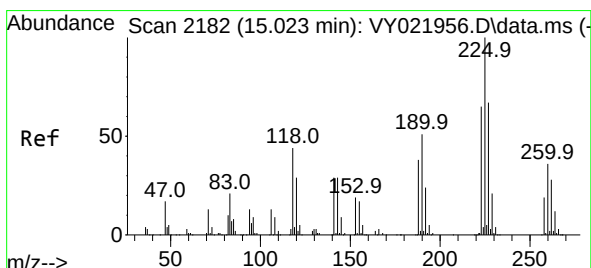
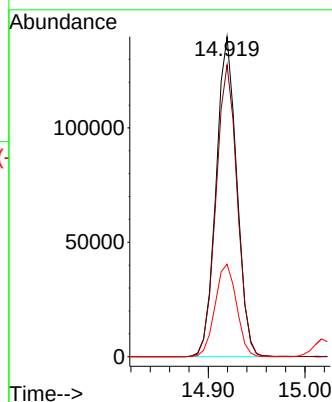
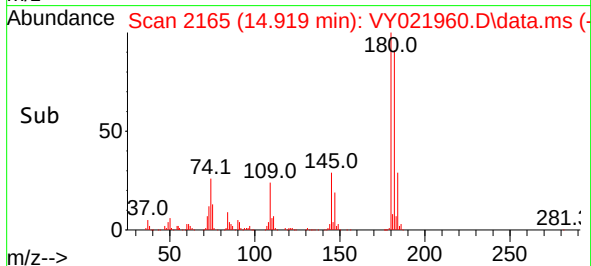
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



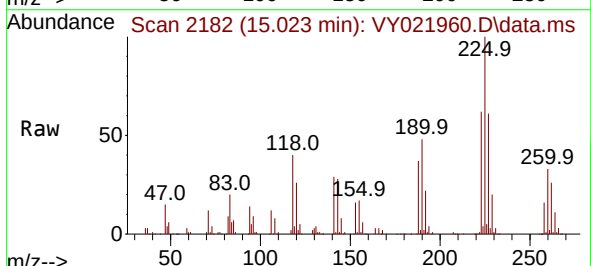
Tgt Ion:180 Resp: 207298
Ion Ratio Lower Upper
180 100
182 93.6 47.1 141.4
145 30.1 15.0 45.0

Manual Integrations
APPROVED

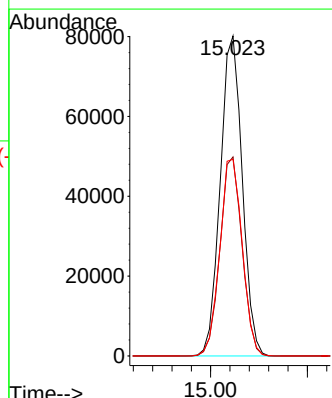
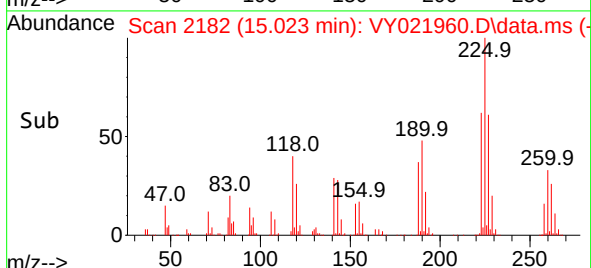
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

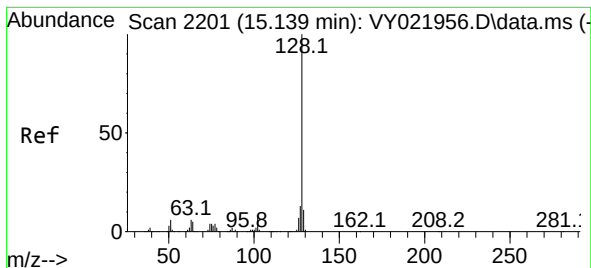


#94
Hexachlorobutadiene
Concen: 48.376 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



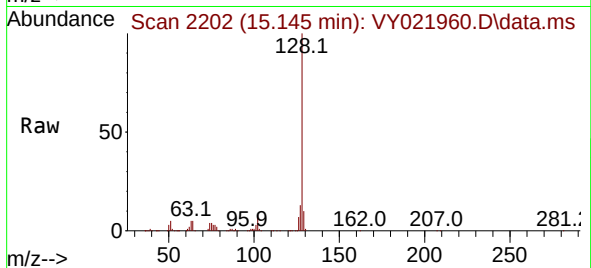
Tgt Ion:225 Resp: 126404
Ion Ratio Lower Upper
225 100
223 62.2 31.9 95.5
227 62.9 32.3 96.9





#95
Naphthalene
Concen: 48.975 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

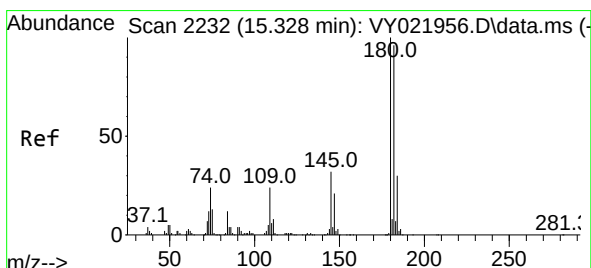
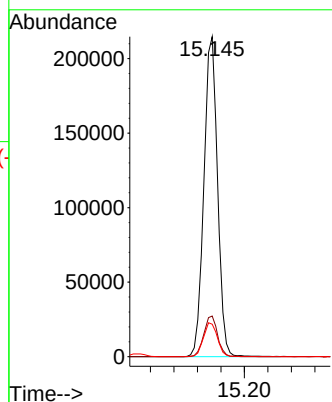
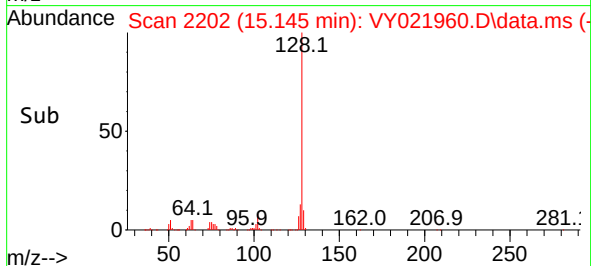
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225



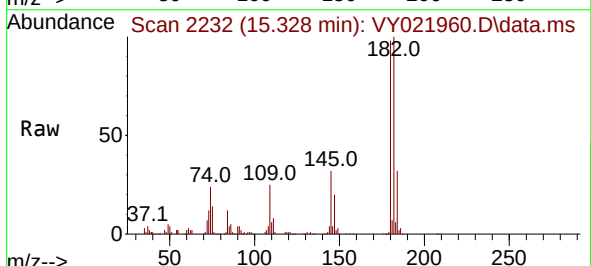
Tgt Ion:128 Resp: 34551
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.9 13.3

Manual Integrations
APPROVED

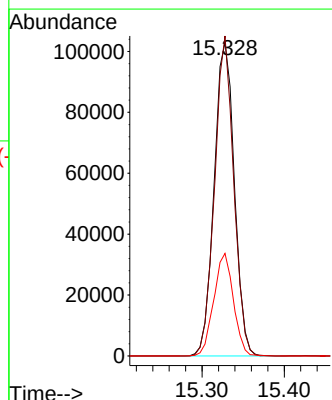
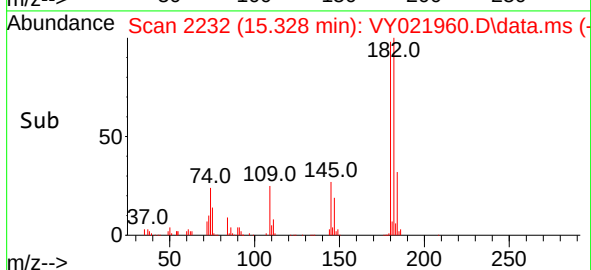
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.914 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01



Tgt Ion:180 Resp: 175651
Ion Ratio Lower Upper
180 100
182 96.5 48.1 144.4
145 31.8 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2 T	Dichlorodifluoromethane	0.426	0.395	7.3	104	0.00
3 P	Chloromethane	0.607	0.551	9.2	95	0.00
4 C	Vinyl Chloride	0.745	0.677	9.1#	96	0.00
5 T	Bromomethane	0.642	0.532	17.1	92	0.00
6 T	Chloroethane	0.508	0.450	11.4	94	0.00
7 T	Trichlorofluoromethane	0.983	0.907	7.7	98	0.00
8 T	Diethyl Ether	0.256	0.235	8.2	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.533	0.492	7.7	104	0.00
10 T	Methyl Iodide	0.617	0.557	9.7	91	0.00
11 T	Tert butyl alcohol	0.025	0.023	8.0	91	0.00
12 CM	1,1-Dichloroethene	0.497	0.479	3.6#	105	0.00
13 T	Acrolein	0.046	0.041	10.9	101	0.00
14 T	Allyl chloride	0.579	0.549	5.2	102	0.00
15 T	Acrylonitrile	0.094	0.085	9.6	94	0.00
16 T	Acetone	0.070	0.056	20.0	92	0.00
17 T	Carbon Disulfide	1.585	1.488	6.1	103	0.00
18 T	Methyl Acetate	0.216	0.211	2.3	98	0.00
19 T	Methyl tert-butyl Ether	1.113	1.066	4.2	97	0.00
20 T	Methylene Chloride	0.584	0.527	9.8	102	0.00
21 T	trans-1,2-Dichloroethene	0.557	0.528	5.2	103	0.00
22 T	Diisopropyl ether	1.288	1.243	3.5	100	0.00
23 T	Vinyl Acetate	0.694	0.666	4.0	96	0.00
24 P	1,1-Dichloroethane	0.893	0.829	7.2	100	0.00
25 T	2-Butanone	0.105	0.093	11.4	91	0.00
26 T	2,2-Dichloropropane	0.782	0.725	7.3	101	0.00
27 T	cis-1,2-Dichloroethene	0.622	0.595	4.3	100	0.00
28 T	Bromochloromethane	0.347	0.336	3.2	101	0.00
29 T	Tetrahydrofuran	0.068	0.063	7.4	89	0.00
30 C	Chloroform	0.990	0.924	6.7#	100	0.00
31 T	Cyclohexane	0.763	0.711	6.8	104	0.00
32 T	1,1,1-Trichloroethane	0.896	0.842	6.0	102	0.00
33 S	1,2-Dichloroethane-d4	0.462	0.445	3.7	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.330	0.324	1.8	101	0.00
36 T	1,1-Dichloropropene	0.444	0.425	4.3	103	0.00
37 T	Ethyl Acetate	0.159	0.147	7.5	93	0.00
38 T	Carbon Tetrachloride	0.530	0.505	4.7	102	0.00
39 T	Methylcyclohexane	0.558	0.553	0.9	103	0.00
40 TM	Benzene	1.387	1.323	4.6	101	0.00
41 T	Methacrylonitrile	0.087	0.076	12.6	84	0.00
42 TM	1,2-Dichloroethane	0.343	0.319	7.0	98	0.00
43 T	Isopropyl Acetate	0.306	0.285	6.9	94	0.00
44 TM	Trichloroethene	0.384	0.361	6.0	101	0.00
45 C	1,2-Dichloropropane	0.307	0.290	5.5#	99	0.00
46 T	Dibromomethane	0.192	0.179	6.8	98	0.00
47 T	Bromodichloromethane	0.480	0.460	4.2	100	0.00
48 T	Methyl methacrylate	0.141	0.139	1.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	98	-0.01
50 S	Toluene-d8	1.245	1.259	-1.1	101	0.00
51 T	4-Methyl-2-Pentanone	0.160	0.153	4.4	91	0.00
52 CM	Toluene	0.898	0.876	2.4#	101	0.00
53 T	t-1,3-Dichloropropene	0.411	0.394	4.1	97	0.00
54 T	cis-1,3-Dichloropropene	0.489	0.471	3.7	100	0.00
55 T	1,1,2-Trichloroethane	0.256	0.243	5.1	97	0.00
56 T	Ethyl methacrylate	0.293	0.294	-0.3	95	0.00
57 T	1,3-Dichloropropane	0.411	0.387	5.8	97	0.00
58 T	2-Chloroethyl Vinyl ether	0.143	0.146	-2.1	93	0.00
59 T	2-Hexanone	0.106	0.101	4.7	90	0.00
60 T	Dibromochloromethane	0.355	0.333	6.2	97	0.00
61 T	1,2-Dibromoethane	0.242	0.229	5.4	97	0.00
62 S	4-Bromofluorobenzene	0.419	0.429	-2.4	103	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.472	0.439	7.0	98	0.00
65 PM	Chlorobenzene	1.118	1.067	4.6	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.380	3.6	100	0.00
67 C	Ethyl Benzene	1.829	1.834	-0.3#	102	0.00
68 T	m/p-Xylenes	0.728	0.736	-1.1	102	0.00
69 T	o-Xylene	0.671	0.684	-1.9	101	0.00
70 T	Styrene	1.126	1.160	-3.0	101	0.00
71 P	Bromoform	0.229	0.219	4.4	97	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.341	3.325	0.5	102	0.00
74 T	N-amyl acetate	0.574	0.531	7.5	92	0.00
75 P	1,1,2,2-Tetrachloroethane	0.563	0.519	7.8	96	0.00
76 T	1,2,3-Trichloropropane	0.428	0.370	13.6	93	0.00
77 T	Bromobenzene	0.844	0.806	4.5	99	0.00
78 T	n-propylbenzene	3.978	3.971	0.2	102	0.00
79 T	2-Chlorotoluene	2.314	2.237	3.3	100	0.00
80 T	1,3,5-Trimethylbenzene	2.752	2.760	-0.3	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.178	0.158	11.2	91	0.00
82 T	4-Chlorotoluene	2.405	2.328	3.2	100	0.00
83 T	tert-Butylbenzene	2.468	2.542	-3.0	104	0.00
84 T	1,2,4-Trimethylbenzene	2.753	2.769	-0.6	101	0.00
85 T	sec-Butylbenzene	3.612	3.641	-0.8	103	0.00
86 T	p-Isopropyltoluene	3.067	3.118	-1.7	103	0.00
87 T	1,3-Dichlorobenzene	1.714	1.630	4.9	101	0.00
88 T	1,4-Dichlorobenzene	1.698	1.603	5.6	101	0.00
89 T	n-Butylbenzene	2.742	2.753	-0.4	102	0.00
90 T	Hexachloroethane	0.674	0.639	5.2	102	0.00
91 T	1,2-Dichlorobenzene	1.495	1.416	5.3	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.090	0.077	14.4	94	0.00
93 T	1,2,4-Trichlorobenzene	0.847	0.827	2.4	102	0.00
94 T	Hexachlorobutadiene	0.521	0.504	3.3	107	0.00
95 T	Naphthalene	1.408	1.379	2.1	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.701	4.1	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021960.D
 Acq On : 22 Apr 2025 17:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY042225

Quant Time: Apr 23 02:36:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2 T	Dichlorodifluoromethane	50.000	46.375	7.2	104	0.00
3 P	Chloromethane	50.000	45.440	9.1	95	0.00
4 C	Vinyl Chloride	50.000	45.432	9.1#	96	0.00
5 T	Bromomethane	50.000	41.389	17.2	92	0.00
6 T	Chloroethane	50.000	44.363	11.3	94	0.00
7 T	Trichlorofluoromethane	50.000	46.128	7.7	98	0.00
8 T	Diethyl Ether	50.000	45.910	8.2	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.166	7.7	104	0.00
10 T	Methyl Iodide	50.000	45.123	9.8	91	0.00
11 T	Tert butyl alcohol	250.000	226.751	9.3	91	0.00
12 CM	1,1-Dichloroethene	50.000	48.182	3.6#	105	0.00
13 T	Acrolein	250.000	227.366	9.1	101	0.00
14 T	Allyl chloride	50.000	47.458	5.1	102	0.00
15 T	Acrylonitrile	250.000	226.587	9.4	94	0.00
16 T	Acetone	250.000	231.130	7.5	92	0.00
17 T	Carbon Disulfide	50.000	46.938	6.1	103	0.00
18 T	Methyl Acetate	50.000	48.904	2.2	98	0.00
19 T	Methyl tert-butyl Ether	50.000	47.891	4.2	97	0.00
20 T	Methylene Chloride	50.000	45.147	9.7	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.430	5.1	103	0.00
22 T	Diisopropyl ether	50.000	48.273	3.5	100	0.00
23 T	Vinyl Acetate	250.000	239.824	4.1	96	0.00
24 P	1,1-Dichloroethane	50.000	46.404	7.2	100	0.00
25 T	2-Butanone	250.000	220.139	11.9	91	0.00
26 T	2,2-Dichloropropane	50.000	46.334	7.3	101	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.795	4.4	100	0.00
28 T	Bromochloromethane	50.000	48.457	3.1	101	0.00
29 T	Tetrahydrofuran	250.000	229.194	8.3	89	0.00
30 C	Chloroform	50.000	46.643	6.7#	100	0.00
31 T	Cyclohexane	50.000	46.548	6.9	104	0.00
32 T	1,1,1-Trichloroethane	50.000	47.007	6.0	102	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.224	3.6	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	48.989	2.0	101	0.00
36 T	1,1-Dichloropropene	50.000	47.914	4.2	103	0.00
37 T	Ethyl Acetate	50.000	46.092	7.8	93	0.00
38 T	Carbon Tetrachloride	50.000	47.630	4.7	102	0.00
39 T	Methylcyclohexane	50.000	49.486	1.0	103	0.00
40 TM	Benzene	50.000	47.692	4.6	101	0.00
41 T	Methacrylonitrile	50.000	43.342	13.3	84	0.00
42 TM	1,2-Dichloroethane	50.000	46.472	7.1	98	0.00
43 T	Isopropyl Acetate	50.000	46.545	6.9	94	0.00
44 TM	Trichloroethene	50.000	47.027	5.9	101	0.00
45 C	1,2-Dichloropropane	50.000	47.326	5.3#	99	0.00
46 T	Dibromomethane	50.000	46.578	6.8	98	0.00
47 T	Bromodichloromethane	50.000	47.955	4.1	100	0.00
48 T	Methyl methacrylate	50.000	49.090	1.8	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	951.409	4.9	98	-0.01
50 S	Toluene-d8	50.000	50.539	-1.1	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	237.972	4.8	91	0.00
52 CM	Toluene	50.000	48.774	2.5#	101	0.00
53 T	t-1,3-Dichloropropene	50.000	47.893	4.2	97	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.122	3.8	100	0.00
55 T	1,1,2-Trichloroethane	50.000	47.403	5.2	97	0.00
56 T	Ethyl methacrylate	50.000	50.188	-0.4	95	0.00
57 T	1,3-Dichloropropane	50.000	47.024	6.0	97	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	253.928	-1.6	93	0.00
59 T	2-Hexanone	250.000	238.340	4.7	90	0.00
60 T	Dibromochloromethane	50.000	46.882	6.2	97	0.00
61 T	1,2-Dibromoethane	50.000	47.188	5.6	97	0.00
62 S	4-Bromofluorobenzene	50.000	51.198	-2.4	103	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	46.550	6.9	98	0.00
65 PM	Chlorobenzene	50.000	47.734	4.5	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.308	3.4	100	0.00
67 C	Ethyl Benzene	50.000	50.142	-0.3#	102	0.00
68 T	m/p-Xylenes	100.000	101.181	-1.2	102	0.00
69 T	o-Xylene	50.000	50.949	-1.9	101	0.00
70 T	Styrene	50.000	51.513	-3.0	101	0.00
71 P	Bromoform	50.000	47.821	4.4	97	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	49.765	0.5	102	0.00
74 T	N-amyl acetate	50.000	46.264	7.5	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.078	7.8	96	0.00
76 T	1,2,3-Trichloropropane	50.000	43.169	13.7	93	0.00
77 T	Bromobenzene	50.000	47.741	4.5	99	0.00
78 T	n-propylbenzene	50.000	49.907	0.2	102	0.00
79 T	2-Chlorotoluene	50.000	48.351	3.3	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.131	-0.3	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.304	11.4	91	0.00
82 T	4-Chlorotoluene	50.000	48.406	3.2	100	0.00
83 T	tert-Butylbenzene	50.000	51.499	-3.0	104	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.285	-0.6	101	0.00
85 T	sec-Butylbenzene	50.000	50.397	-0.8	103	0.00
86 T	p-Isopropyltoluene	50.000	50.831	-1.7	103	0.00
87 T	1,3-Dichlorobenzene	50.000	47.528	4.9	101	0.00
88 T	1,4-Dichlorobenzene	50.000	47.202	5.6	101	0.00
89 T	n-Butylbenzene	50.000	50.209	-0.4	102	0.00
90 T	Hexachloroethane	50.000	47.410	5.2	102	0.00
91 T	1,2-Dichlorobenzene	50.000	47.337	5.3	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	43.151	13.7	94	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.811	2.4	102	0.00
94 T	Hexachlorobutadiene	50.000	48.376	3.2	107	0.00
95 T	Naphthalene	50.000	48.975	2.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	47.914	4.2	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/28/2025 09:59

Lab File ID: VY022021.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.366		-14.09	20
Chloromethane	0.607	0.548	0.1	-9.72	20
Vinyl Chloride	0.745	0.678		-8.99	20
Ethyl Acetate	0.159	0.157		-1.26	20
Isopropyl Acetate	0.306	0.295		-3.6	20
Bromomethane	0.642	0.537		-16.35	20
Chloroethane	0.508	0.463		-8.86	20
Tetrahydrofuran	0.068	0.067		-1.47	20
Trichlorofluoromethane	0.983	0.891		-9.36	20
1,1,2-Trichlorotrifluoroethane	0.533	0.478		-10.32	20
Tert butyl alcohol	0.025	0.023		-8	20
Diethyl Ether	0.256	0.223		-12.89	20
1,1-Dichloroethene	0.497	0.442		-11.07	20
Acrolein	0.046	0.025		-45.65	20
Acrylonitrile	0.094	0.086		-8.51	20
Acetone	0.070	0.058		-17.14	20
Carbon Disulfide	1.585	1.429		-9.84	20
Methyl tert-butyl Ether	1.113	1.036		-6.92	20
Methyl Acetate	0.216	0.238		10.19	20
Methylene Chloride	0.584	0.493		-15.58	20
trans-1,2-Dichloroethene	0.557	0.513		-7.9	20
Vinyl Acetate	0.694	0.637		-8.21	20
1,1-Dichloroethane	0.893	0.812	0.1	-9.07	20
Cyclohexane	0.763	0.668		-12.45	20
2-Butanone	0.105	0.096		-8.57	20
Carbon Tetrachloride	0.530	0.533		0.57	20
2,2-Dichloropropane	0.782	0.716		-8.44	20
cis-1,2-Dichloroethene	0.622	0.571		-8.2	20
Bromochloromethane	0.347	0.325		-6.34	20
Chloroform	0.990	0.923		-6.77	20
1,1,1-Trichloroethane	0.896	0.830		-7.37	20
Methylcyclohexane	0.558	0.536		-3.94	20
1,1-Dichloropropene	0.444	0.437		-1.58	20
Benzene	1.387	1.363		-1.73	20
1,2-Dichloroethane	0.343	0.340		-0.88	20
Trichloroethene	0.384	0.372		-3.13	20
1,2-Dichloropropane	0.307	0.301		-1.95	20
Dibromomethane	0.192	0.192		0	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/28/2025 09:59

Lab File ID: VY022021.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromodichloromethane	0.480	0.481		0.21	20
4-Methyl-2-Pentanone	0.160	0.169		5.63	20
Methyl methacrylate	0.141	0.144		2.13	20
Toluene	0.898	0.912		1.56	20
t-1,3-Dichloropropene	0.411	0.414		0.73	20
cis-1,3-Dichloropropene	0.489	0.489		0	20
1,1,2-Trichloroethane	0.256	0.263		2.73	20
1,3-Dichloropropane	0.411	0.414		0.73	20
2-Chloroethyl Vinyl ether	0.143	0.157		9.79	20
2-Hexanone	0.106	0.113		6.6	20
Dibromochloromethane	0.355	0.367		3.38	20
1,2-Dibromoethane	0.242	0.251		3.72	20
Tetrachloroethene	0.472	0.461		-2.33	20
Chlorobenzene	1.118	1.077	0.3	-3.67	20
1,1,1,2-Tetrachloroethane	0.394	0.392		-0.51	20
Hexachloroethane	0.674	0.626		-7.12	20
Ethyl Benzene	1.829	1.803		-1.42	20
m/p-Xylenes	0.728	0.739		1.51	20
o-Xylene	0.671	0.674		0.45	20
Styrene	1.126	1.164		3.38	20
Bromoform	0.229	0.236	0.1	3.06	20
Isopropylbenzene	3.341	3.228		-3.38	20
1,1,2,2-Tetrachloroethane	0.563	0.540	0.3	-4.09	20
1,2,3-Trichloropropane	0.428	0.410		-4.21	20
Bromobenzene	0.844	0.811		-3.91	20
n-propylbenzene	3.978	3.852		-3.17	20
2-Chlorotoluene	2.314	2.191		-5.32	20
1,3,5-Trimethylbenzene	2.752	2.721		-1.13	20
4-Chlorotoluene	2.405	2.314		-3.78	20
tert-Butylbenzene	2.469	2.368		-4.09	20
1,2,4-Trimethylbenzene	2.753	2.736		-0.62	20
sec-Butylbenzene	3.612	3.492		-3.32	20
p-Isopropyltoluene	3.067	3.013		-1.76	20
1,3-Dichlorobenzene	1.714	1.651		-3.68	20
1,4-Dichlorobenzene	1.698	1.606		-5.42	20
n-Butylbenzene	2.742	2.598		-5.25	20
1,2-Dichlorobenzene	1.495	1.436		-3.95	20
1,2-Dibromo-3-Chloropropane	0.090	0.086		-4.44	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/28/2025 09:59

Lab File ID: VY022021.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.847	0.815		-3.78	20
Hexachlorobutadiene	0.521	0.499		-4.22	20
Naphthalene	1.408	1.399		-0.64	20
1,2,3-Trichlorobenzene	0.731	0.723		-1.09	20
1,2-Dichloroethane-d4	0.462	0.422		-8.66	20
Dibromofluoromethane	0.330	0.326		-1.21	20
Toluene-d8	1.245	1.244		-0.08	20
4-Bromofluorobenzene	0.419	0.422		0.72	20
N-amyl acetate	0.574	0.524		-8.71	20
Methyl Iodide	0.617	0.580		-6	20
Allyl chloride	0.579	0.516		-10.88	20
trans-1,4-Dichloro-2-butene	0.178	0.164		-7.86	20
Methacrylonitrile	0.087	0.088		1.15	20
Diisopropyl ether	1.288	1.218		-5.43	20
1,4-Dioxane	2.047	2.027	0.05	-0.98	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022021.D
 Acq On : 28 Apr 2025 09:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:51:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	316866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	463292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	436582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	238558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133766	45.703	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.400%		
35) Dibromofluoromethane	7.634	113	150892	49.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.600%		
50) Toluene-d8	10.109	98	576275	49.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.408	95	195343	50.288	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	116076	42.991	ug/l	98
3) Chloromethane	2.068	50	173631	45.163	ug/l	99
4) Vinyl Chloride	2.202	62	214876	45.482	ug/l	99
5) Bromomethane	2.592	94	170113	41.794	ug/l	98
6) Chloroethane	2.733	64	146584	45.558	ug/l	100
7) Trichlorofluoromethane	3.056	101	282306	45.316	ug/l	96
8) Diethyl Ether	3.452	74	70779	43.651	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	151333	44.780	ug/l	100
10) Methyl Iodide	4.007	142	183769	46.967	ug/l	99
11) Tert butyl alcohol	4.866	59	35986	223.960	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	140007	44.447	ug/l	95
13) Acrolein	3.653	56	39920	138.423	ug/l	96
14) Allyl chloride	4.385	41	163390	44.547	ug/l	99
15) Acrylonitrile	5.061	53	136206	229.455	ug/l	99
16) Acetone	3.873	43	91801	238.658	ug/l	94
17) Carbon Disulfide	4.104	76	452882	45.091	ug/l	99
18) Methyl Acetate	4.391	43	75409	55.156	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	328254	46.559	ug/l	98
20) Methylene Chloride	4.616	84	156196	42.205	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	162653	46.106	ug/l	99
22) Diisopropyl ether	6.019	45	385976	47.287	ug/l	98
23) Vinyl Acetate	5.964	43	1009046	229.383	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257272	45.472	ug/l #	97
25) 2-Butanone	6.896	43	151911	227.698	ug/l	96
26) 2,2-Dichloropropane	6.884	77	226836	45.744	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	181037	45.895	ug/l	100
28) Bromochloromethane	7.244	49	102834	46.794	ug/l	99
29) Tetrahydrofuran	7.268	42	105859	244.304	ug/l	100
30) Chloroform	7.421	83	292396	46.592	ug/l	98
31) Cyclohexane	7.701	56	211764	43.769	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	262924	46.308	ug/l	99
36) 1,1-Dichloropropene	7.835	75	202515	49.257	ug/l	100
37) Ethyl Acetate	6.988	43	72715	49.244	ug/l	98
38) Carbon Tetrachloride	7.817	117	246873	50.250	ug/l	98
39) Methylcyclohexane	9.109	83	248104	47.952	ug/l	97
40) Benzene	8.079	78	631630	49.146	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022021.D
 Acq On : 28 Apr 2025 09:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:51:56 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:30:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	40961	50.745	ug/l	96
42) 1,2-Dichloroethane	8.158	62	157468	49.487	ug/l	100
43) Isopropyl Acetate	8.201	43	136500	48.136	ug/l	100
44) Trichloroethene	8.866	130	172375	48.422	ug/l	95
45) 1,2-Dichloropropane	9.140	63	139620	49.124	ug/l	100
46) Dibromomethane	9.231	93	88811	49.917	ug/l	98
47) Bromodichloromethane	9.420	83	222855	50.140	ug/l	100
48) Methyl methacrylate	9.225	41	66889	51.025	ug/l	98
49) 1,4-Dioxane	9.237	88	18782	990.448	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	390922	262.978	ug/l	100
52) Toluene	10.170	92	422400	50.774	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	191764	50.300	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	226727	50.030	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	121704	51.210	ug/l	98
56) Ethyl methacrylate	10.438	69	138287	50.883	ug/l	99
57) 1,3-Dichloropropane	10.719	76	191690	50.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	364363	274.205	ug/l	99
59) 2-Hexanone	10.762	43	261097	266.294	ug/l	100
60) Dibromochloromethane	10.914	129	169983	51.661	ug/l	100
61) 1,2-Dibromoethane	11.018	107	116441	51.898	ug/l	99
64) Tetrachloroethene	10.646	164	201169	48.844	ug/l	96
65) Chlorobenzene	11.444	112	469987	48.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	171117	49.785	ug/l	99
67) Ethyl Benzene	11.518	91	787306	49.296	ug/l	100
68) m/p-Xylenes	11.627	106	644900	101.477	ug/l	98
69) o-Xylene	11.957	106	294379	50.257	ug/l	99
70) Styrene	11.969	104	508377	51.691	ug/l	99
71) Bromoform	12.133	173	102919	51.502	ug/l #	99
73) Isopropylbenzene	12.255	105	770147	48.321	ug/l	99
74) N-amyl acetate	12.072	43	125014	45.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	128769	47.921	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	97818m	47.871	ug/l	
77) Bromobenzene	12.530	156	193416	48.026	ug/l	99
78) n-propylbenzene	12.597	91	918990	48.417	ug/l	99
79) 2-Chlorotoluene	12.682	91	522771	47.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	649179	49.434	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	39219	46.220	ug/l	97
82) 4-Chlorotoluene	12.780	91	552085	48.113	ug/l	100
83) tert-Butylbenzene	12.999	119	564883	47.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	652719	49.692	ug/l	99
85) sec-Butylbenzene	13.176	105	833063	48.338	ug/l	99
86) p-Isopropyltoluene	13.292	119	718809	49.118	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	393855	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	383054	47.284	ug/l	99
89) n-Butylbenzene	13.621	91	619718	47.376	ug/l	100
90) Hexachloroethane	13.883	117	149402	46.466	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	342527	48.011	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20568	48.111	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	194321	48.066	ug/l	100
94) Hexachlorobutadiene	15.023	225	119092	47.878	ug/l	98
95) Naphthalene	15.145	128	333693	49.688	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	172423	49.408	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

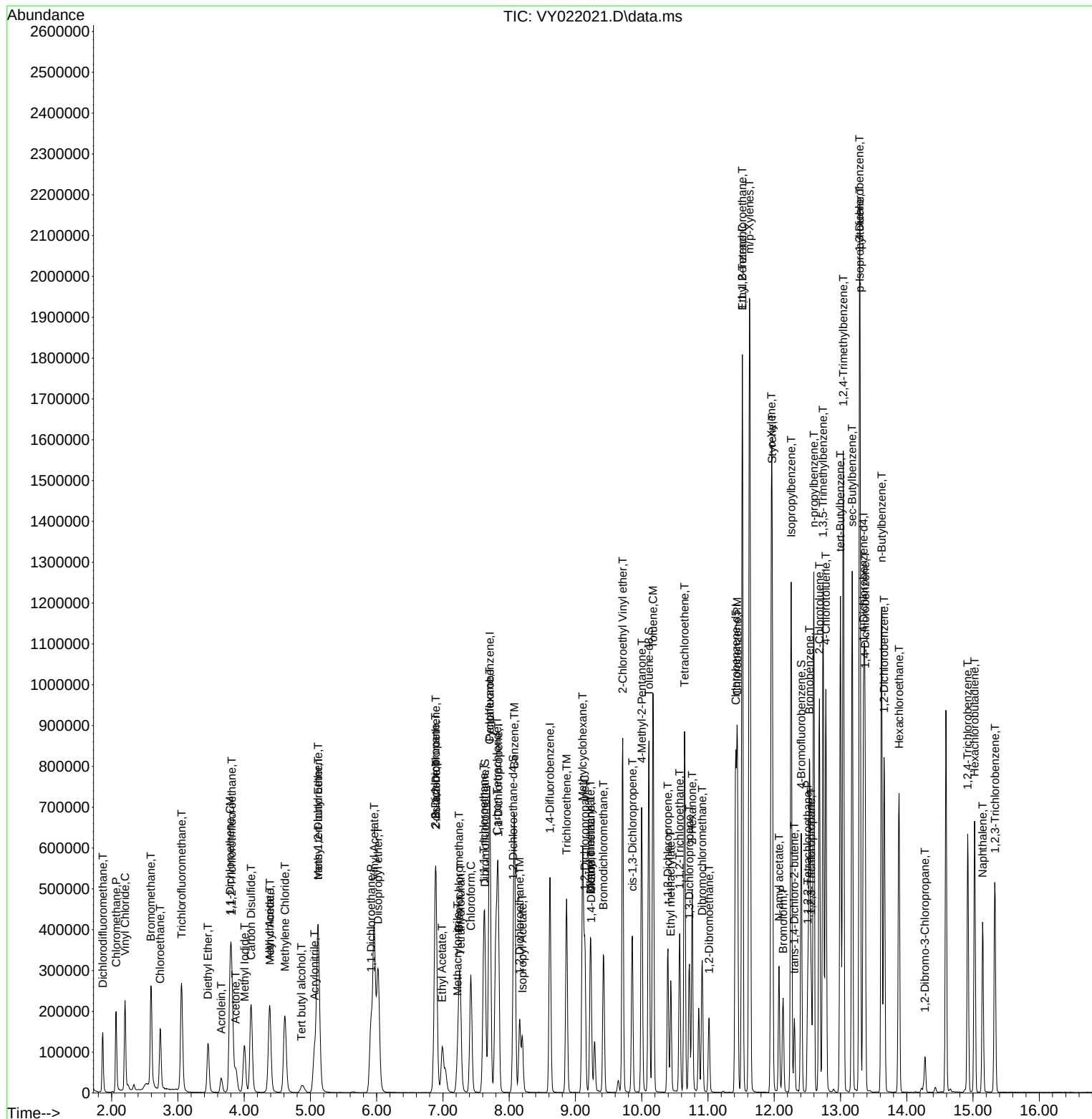
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

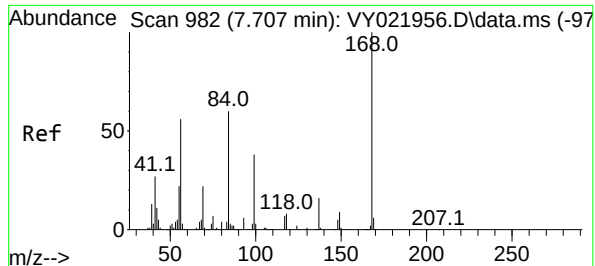
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

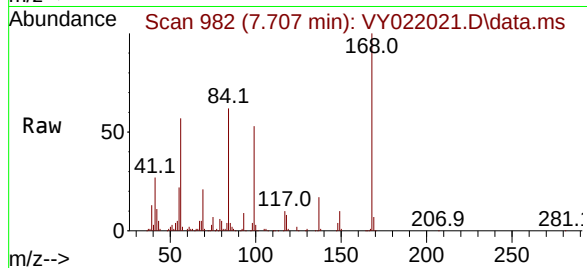
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

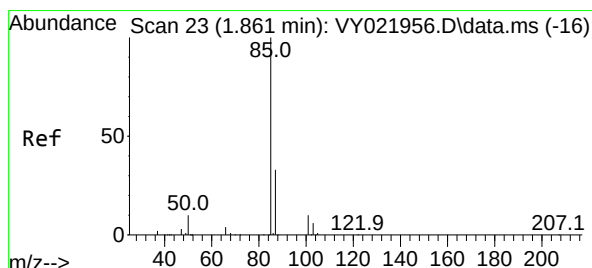
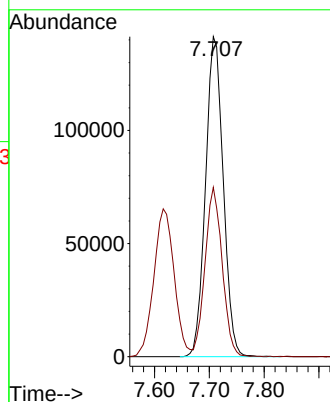
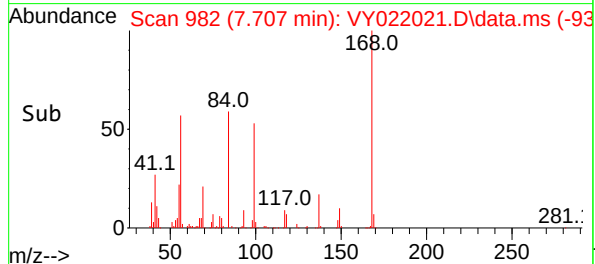
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



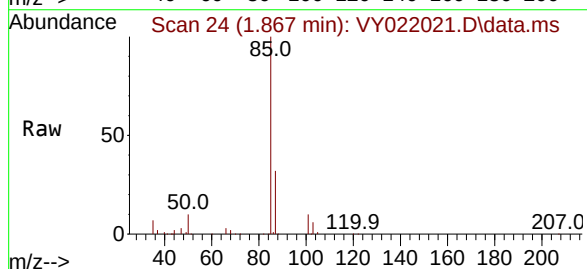
Tgt Ion: 168 Resp: 31686
Ion Ratio Lower Upper
168 100
99 52.8 43.1 64.7

Manual Integrations
APPROVED

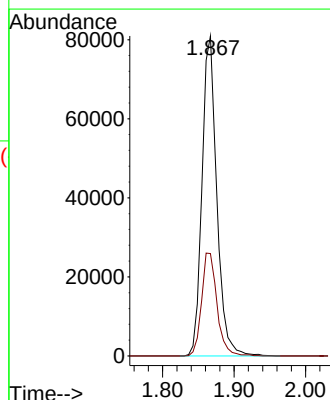
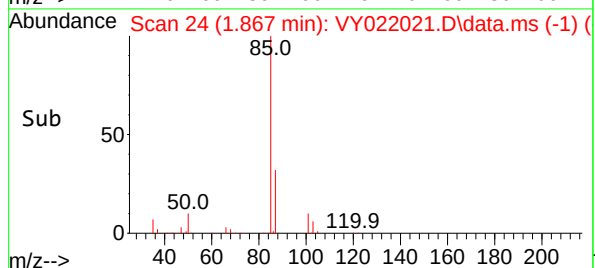
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

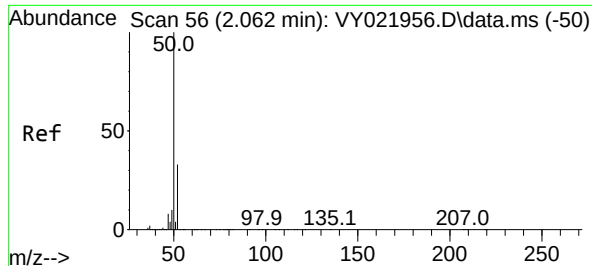


#2
Dichlorodifluoromethane
Concen: 42.991 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59



Tgt Ion: 85 Resp: 116076
Ion Ratio Lower Upper
85 100
87 32.0 16.6 49.7





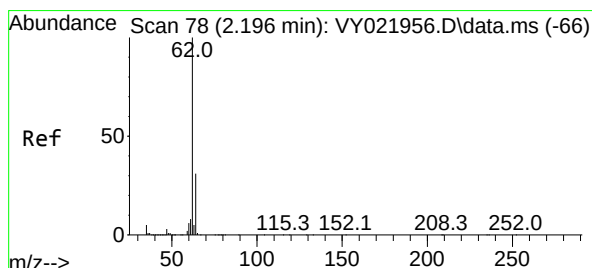
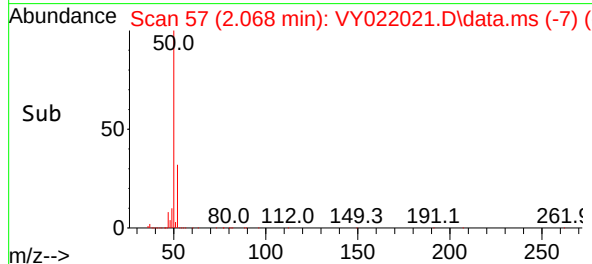
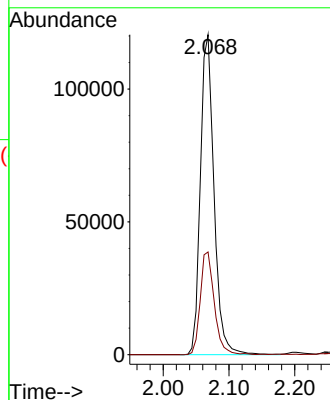
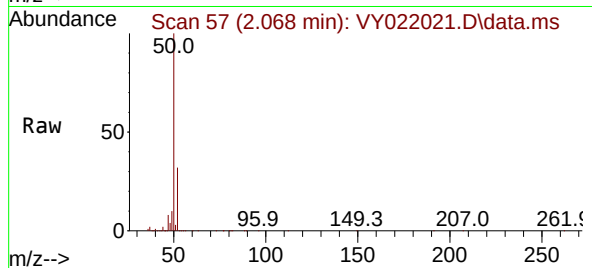
#3
Chloromethane
Concen: 45.163 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 17363
Ion Ratio Lower Upper
50 100
52 32.1 26.1 39.1

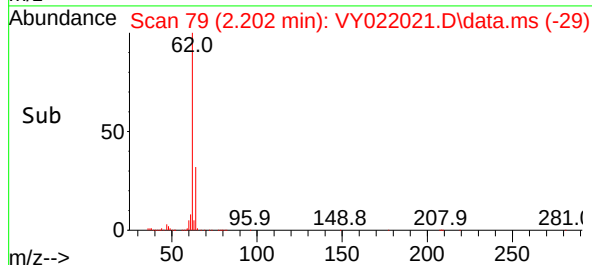
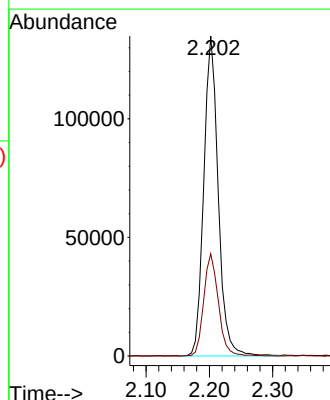
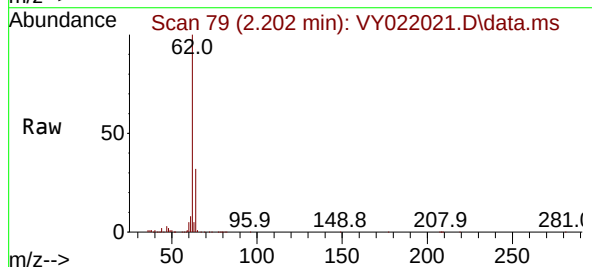
Manual Integrations
APPROVED

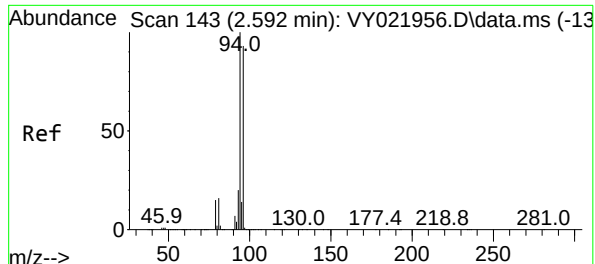
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#4
Vinyl Chloride
Concen: 45.482 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 62 Resp: 214876
Ion Ratio Lower Upper
62 100
64 31.9 25.1 37.7





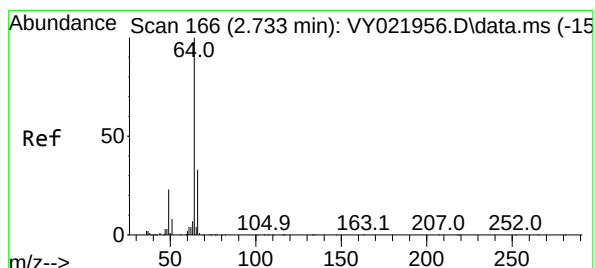
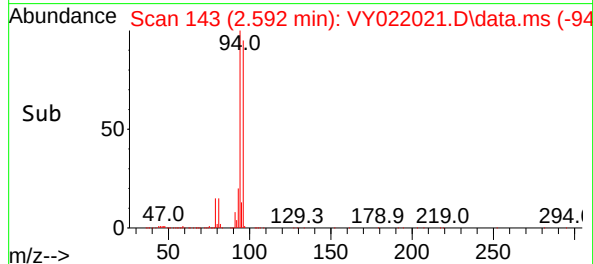
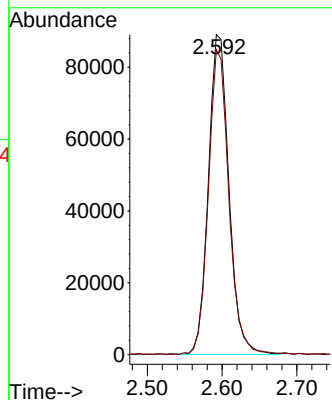
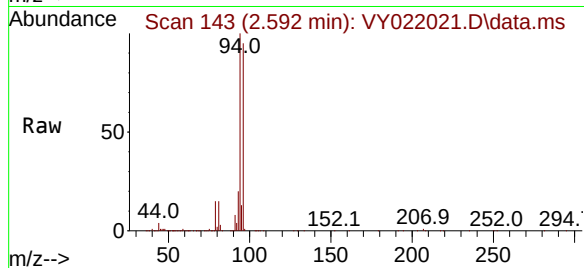
#5
Bromomethane
Concen: 41.794 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 17011
Ion Ratio Lower Upper
94 100
96 95.2 74.6 111.8

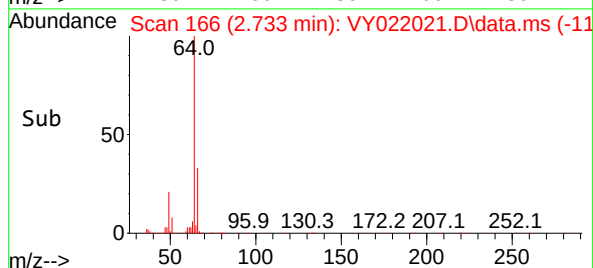
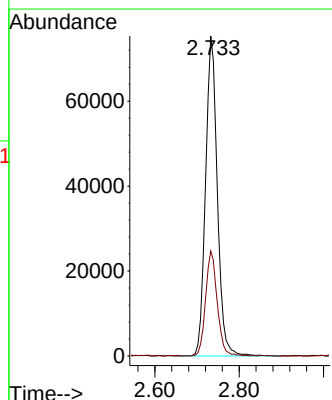
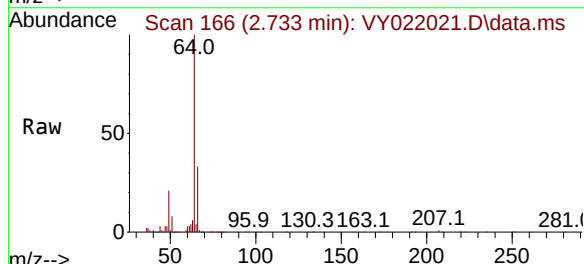
Manual Integrations
APPROVED

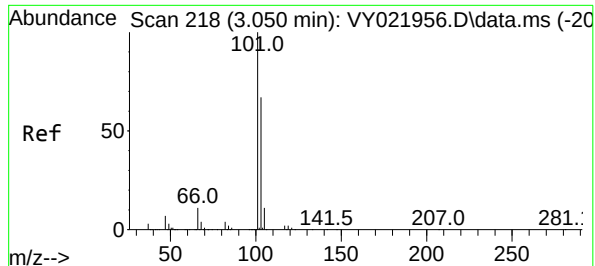
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#6
Chloroethane
Concen: 45.558 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 64 Resp: 146584
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





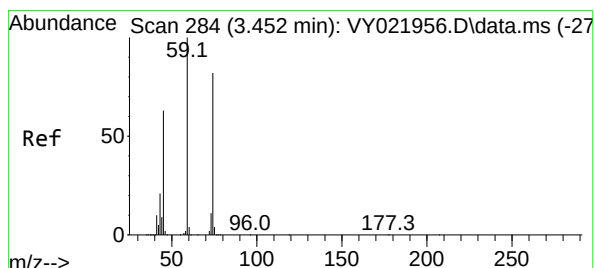
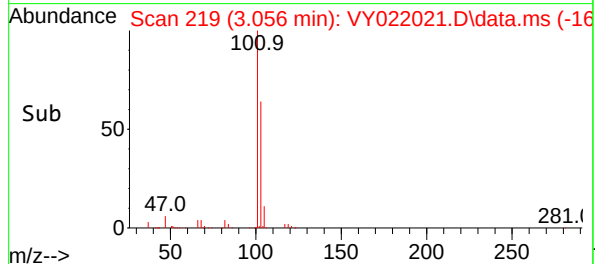
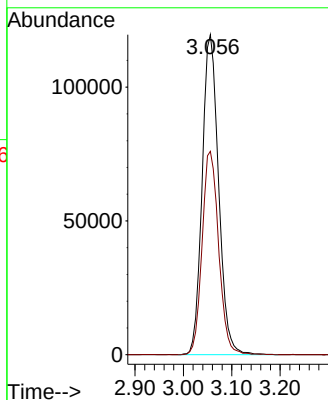
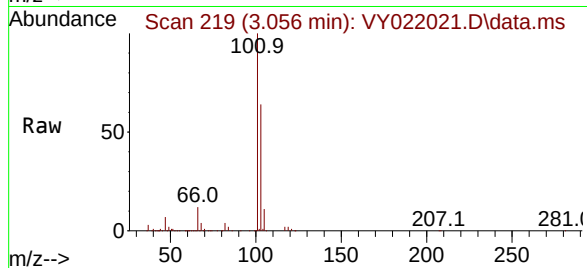
#7
Trichlorofluoromethane
Concen: 45.316 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 282300
Ion Ratio Lower Upper
101 100
103 63.6 53.6 80.4

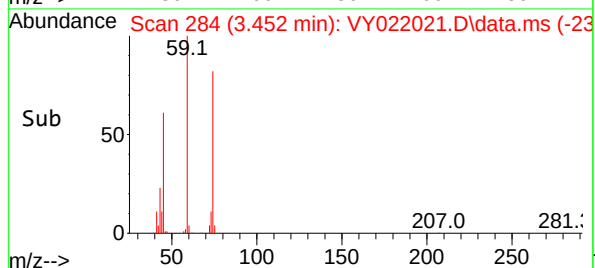
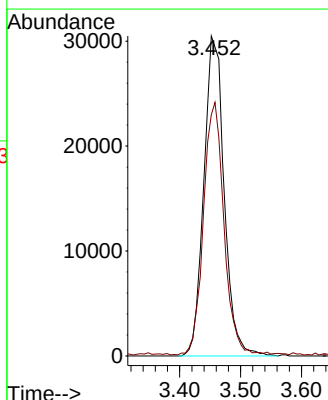
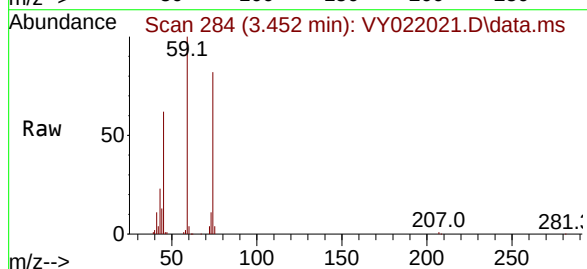
Manual Integrations
APPROVED

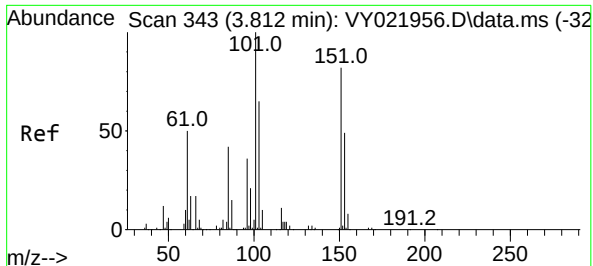
Reviewed By : Semsettin Yesilyurt 04/29/2025
Supervised By : Mahesh Dadoda 04/29/2025



#8
Diethyl Ether
Concen: 43.651 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 74 Resp: 70779
Ion Ratio Lower Upper
74 100
45 79.4 39.1 117.5





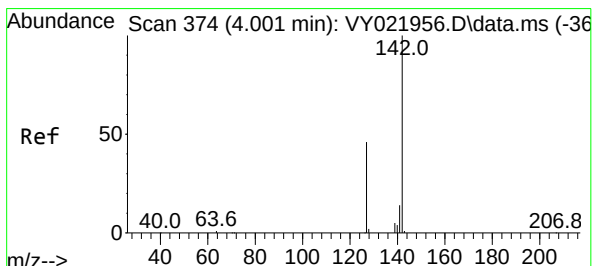
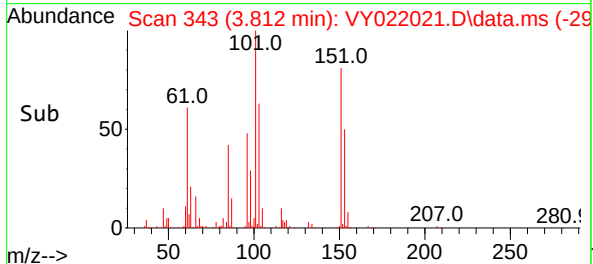
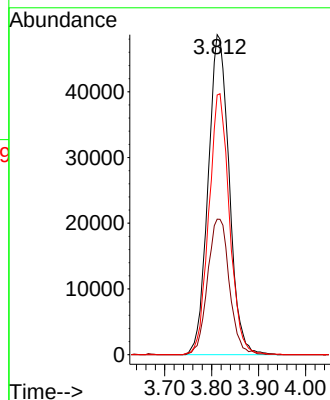
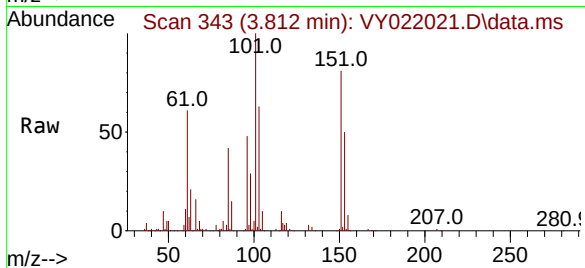
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.780 ug/l
RT: 3.812 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050

Tgt Ion:101 Resp: 15133
Ion Ratio Lower Upper
101 100
85 43.8 34.6 51.8
151 79.7 63.7 95.5

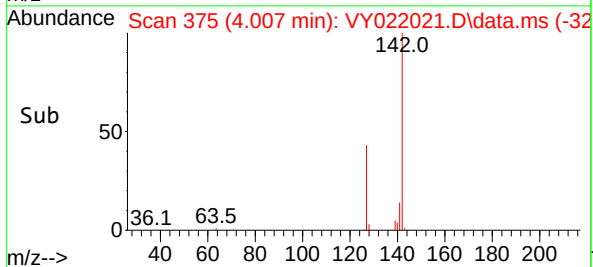
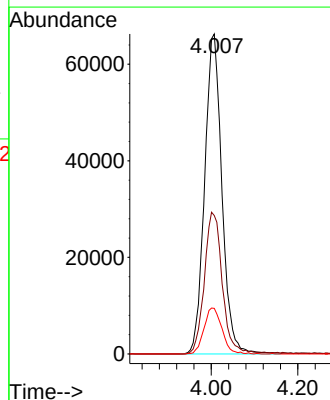
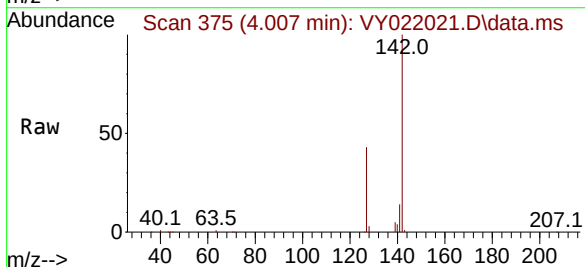
Manual Integrations
APPROVED

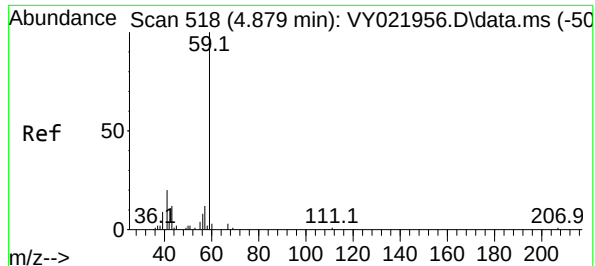
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#10
Methyl Iodide
Concen: 46.967 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion:142 Resp: 183769
Ion Ratio Lower Upper
142 100
127 46.0 36.2 54.2
141 14.9 11.7 17.5





#11

Tert butyl alcohol

Concen: 223.960 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 35980

Ion Ratio Lower Upper

59 100

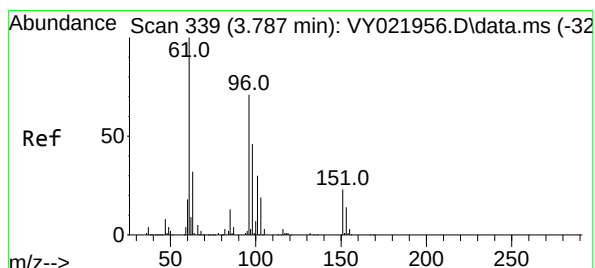
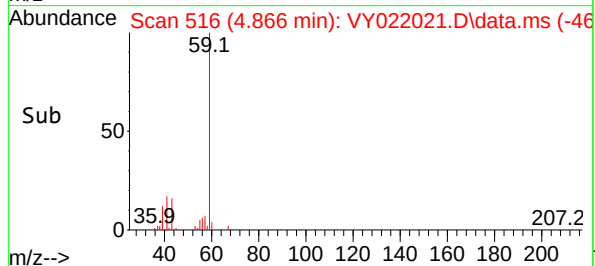
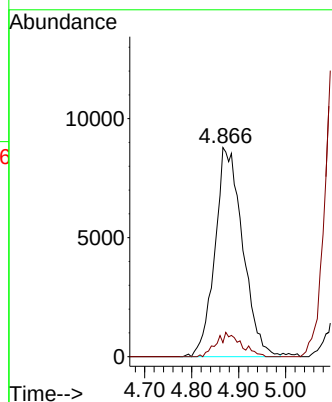
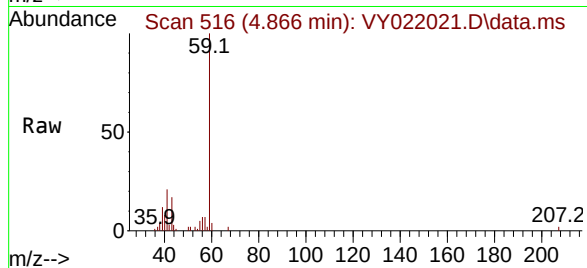
57 9.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#12

1,1-Dichloroethene

Concen: 44.447 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

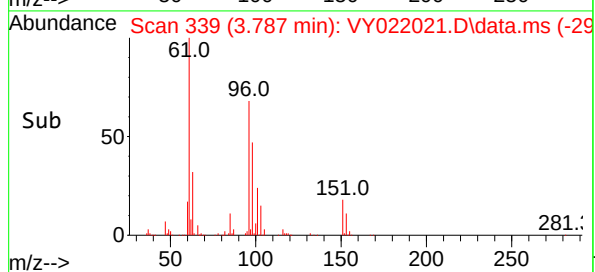
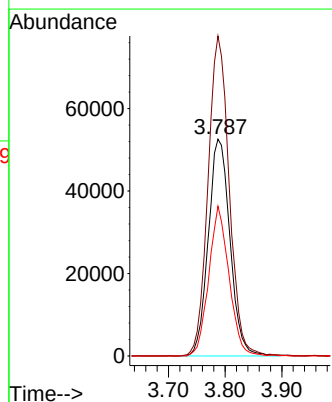
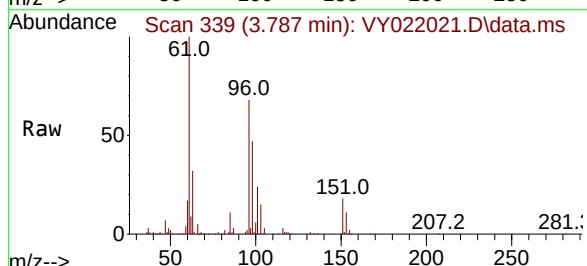
Tgt Ion: 96 Resp: 140007

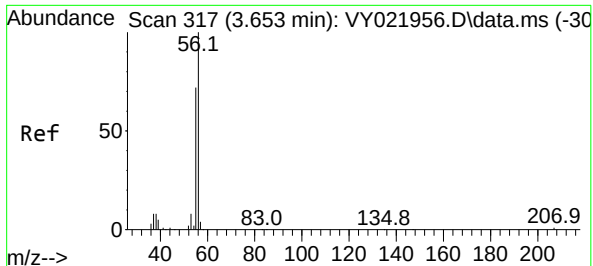
Ion Ratio Lower Upper

96 100

61 147.6 113.0 169.4

98 69.0 51.4 77.2





#13

Acrolein

Concen: 138.423 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 39920

Ion Ratio Lower Upper

56 100

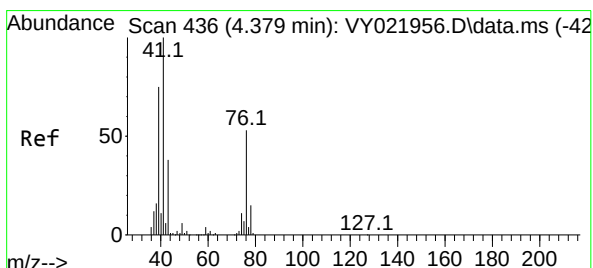
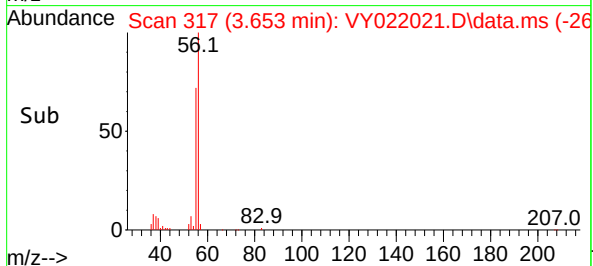
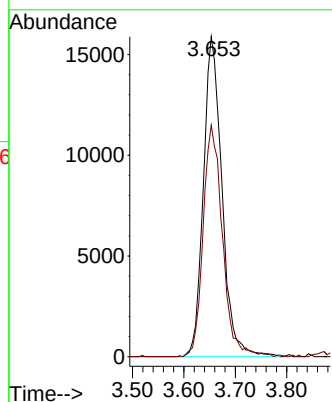
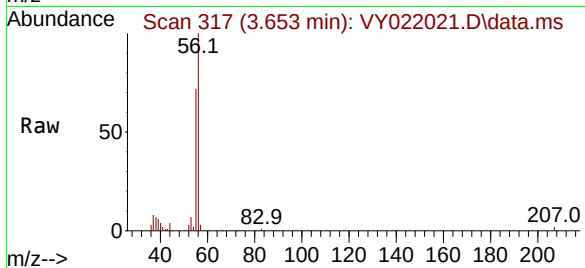
55 75.3 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#14

Allyl chloride

Concen: 44.547 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

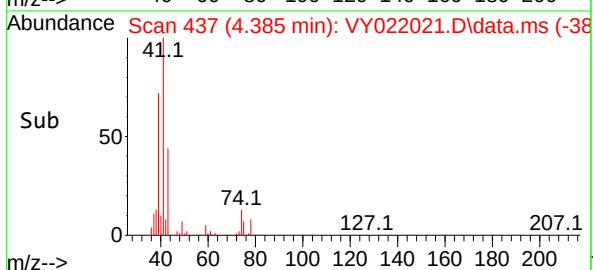
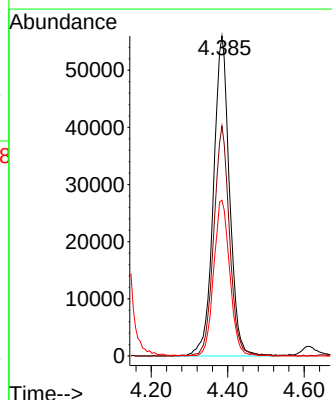
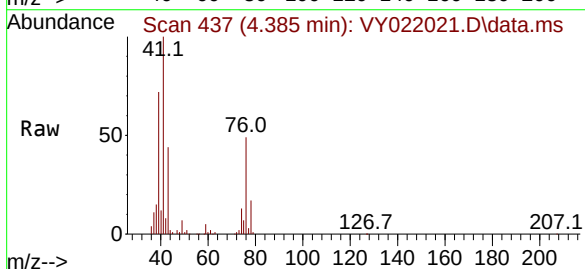
Tgt Ion: 41 Resp: 163390

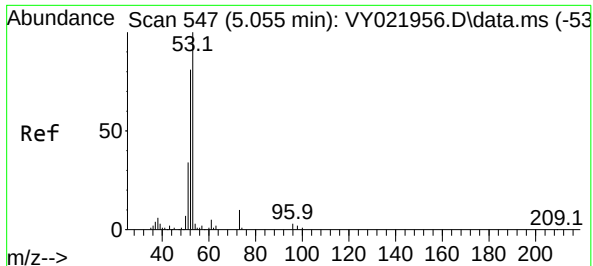
Ion Ratio Lower Upper

41 100

39 70.5 57.2 85.8

76 48.5 39.7 59.5





#15

Acrylonitrile

Concen: 229.455 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 136200

Ion Ratio Lower Upper

53 100

52 81.4 65.0 97.6

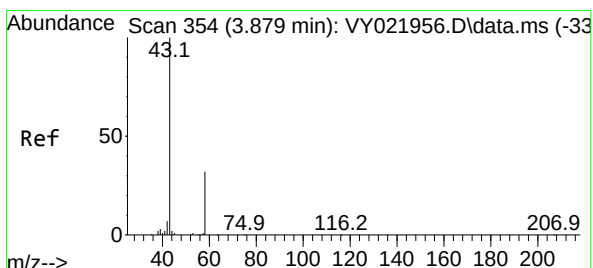
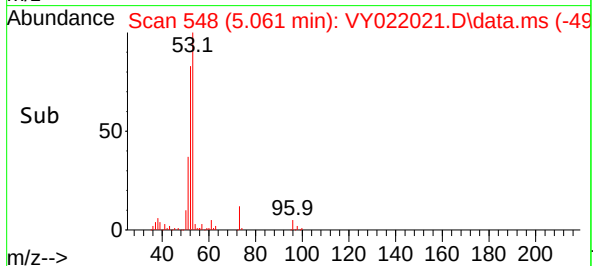
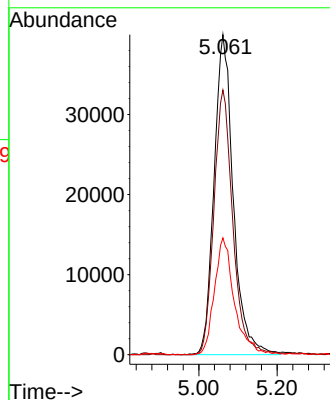
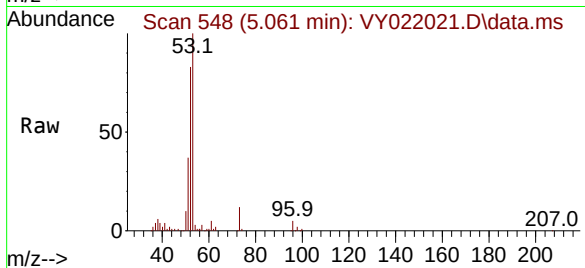
51 37.9 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#16

Acetone

Concen: 238.658 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022021.D

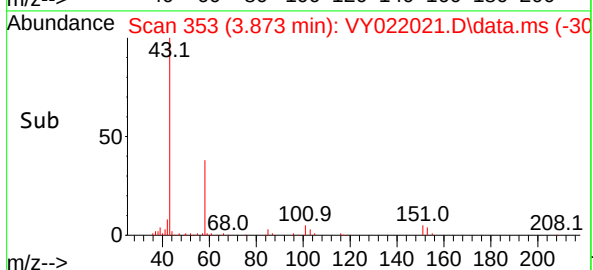
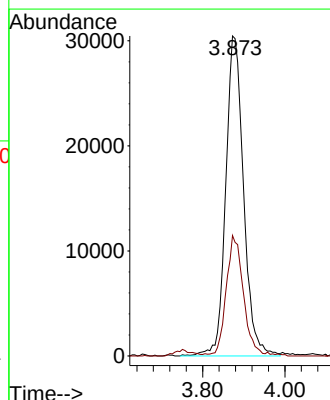
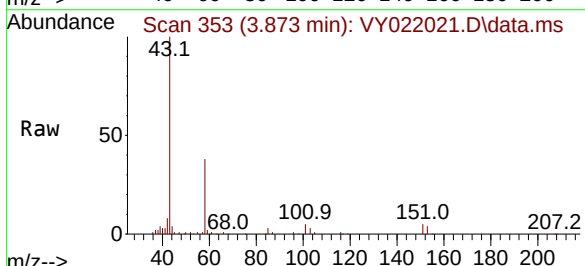
Acq: 28 Apr 2025 09:59

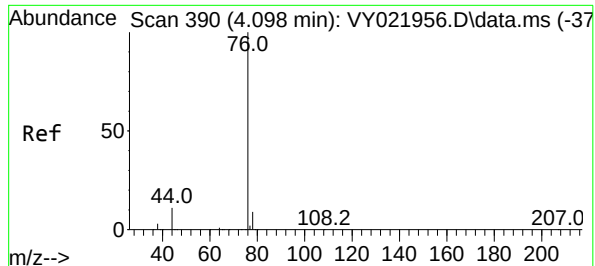
Tgt Ion: 43 Resp: 91801

Ion Ratio Lower Upper

43 100

58 37.2 27.0 40.4





#17

Carbon Disulfide

Concen: 45.091 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 45288

Ion Ratio Lower Upper

76 100

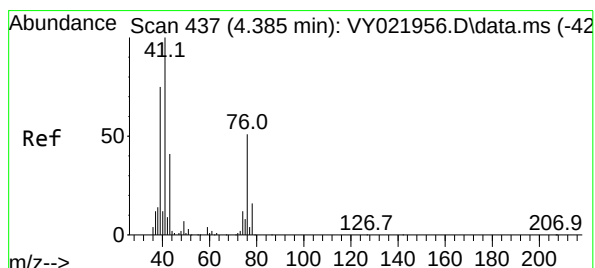
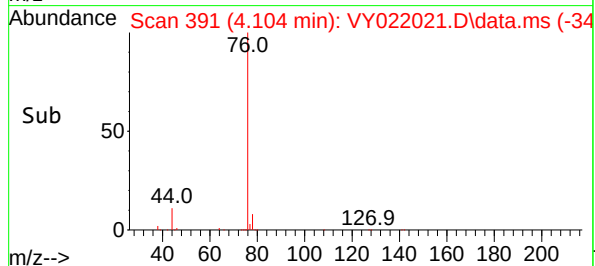
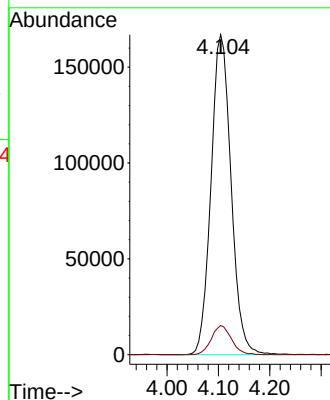
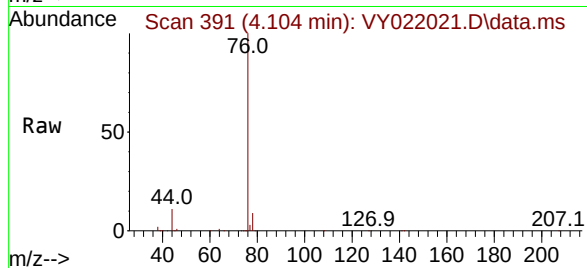
78 9.1 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#18

Methyl Acetate

Concen: 55.156 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY022021.D

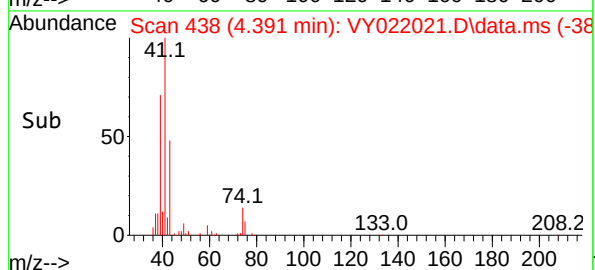
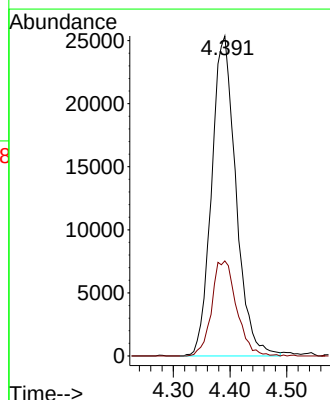
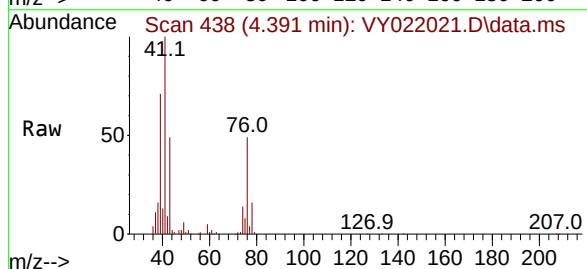
Acq: 28 Apr 2025 09:59

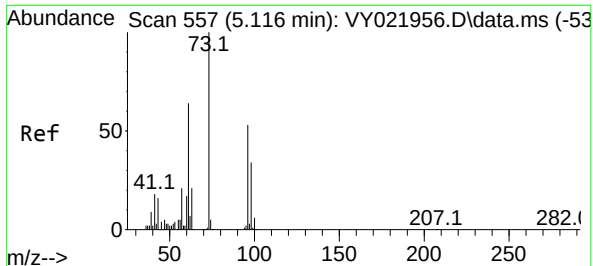
Tgt Ion: 43 Resp: 75409

Ion Ratio Lower Upper

43 100

74 30.5 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 46.559 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 328254

Ion Ratio Lower Upper

73 100

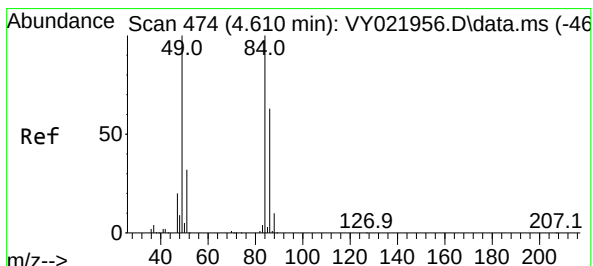
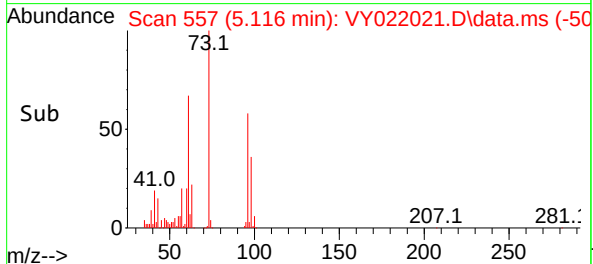
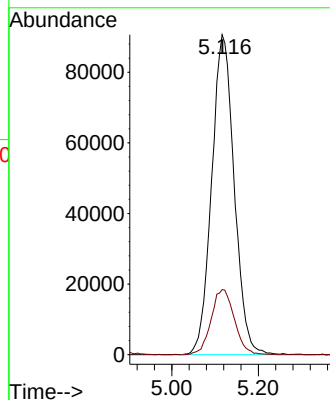
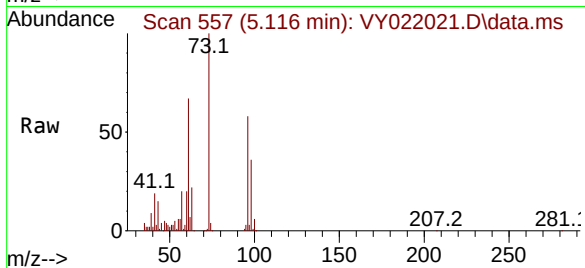
57 20.3 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#20

Methylene Chloride

Concen: 42.205 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion: 84 Resp: 156196

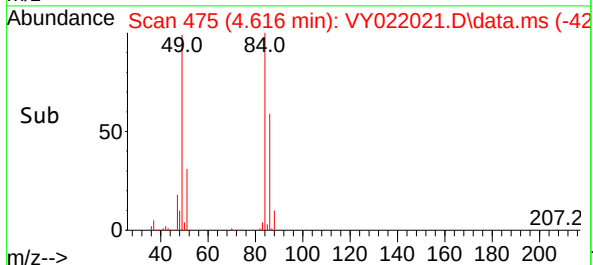
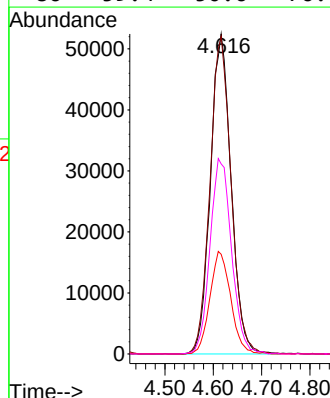
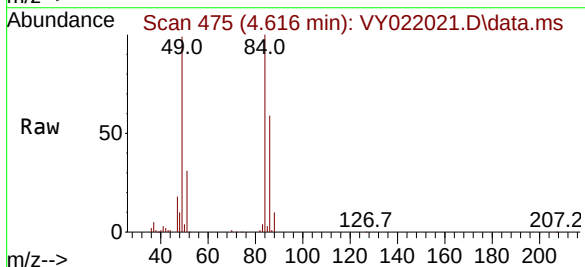
Ion Ratio Lower Upper

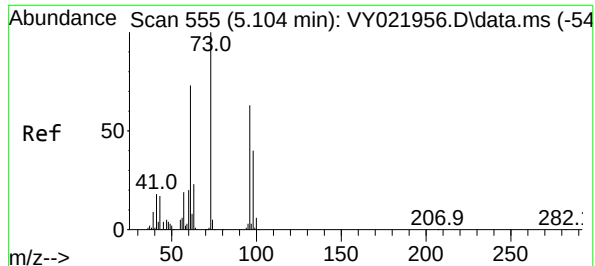
84 100

49 99.3 79.9 119.9

51 31.2 25.4 38.0

86 59.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.106 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 16265

Ion Ratio Lower Upper

96 100

61 116.2 92.6 138.8

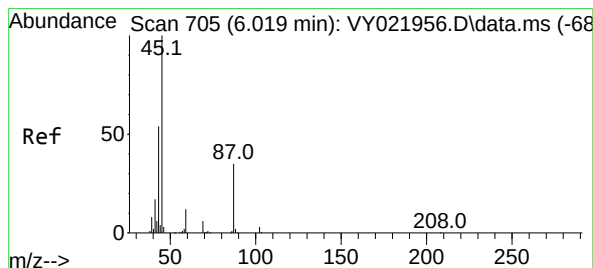
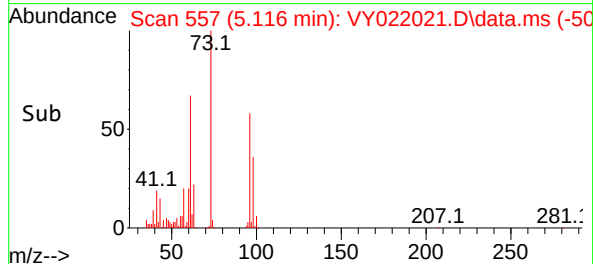
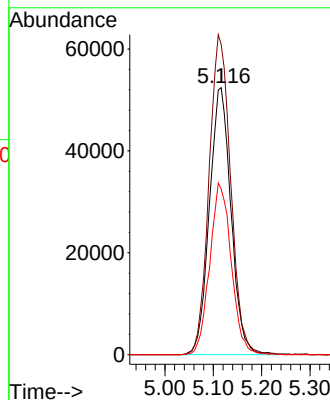
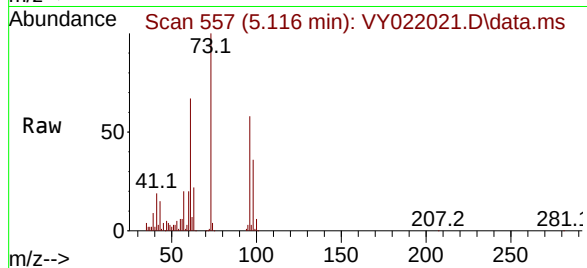
98 62.1 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#22

Diisopropyl ether

Concen: 47.287 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion: 45 Resp: 385976

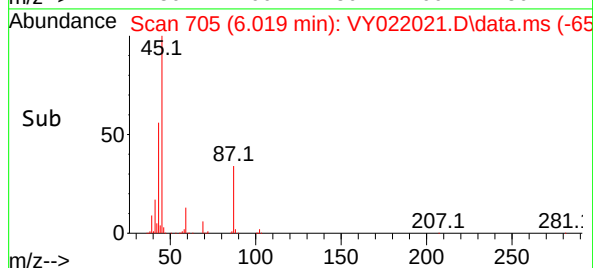
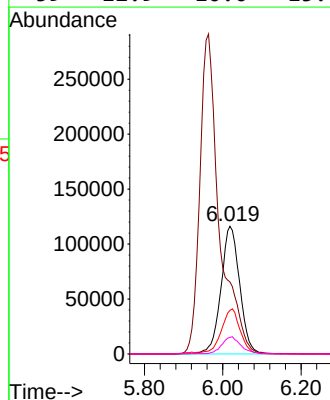
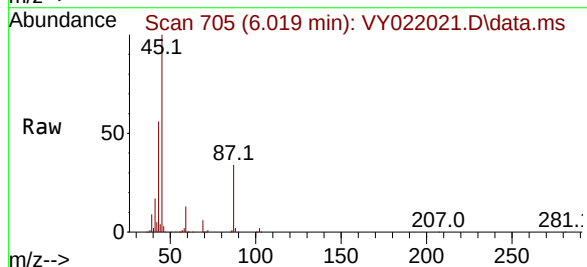
Ion Ratio Lower Upper

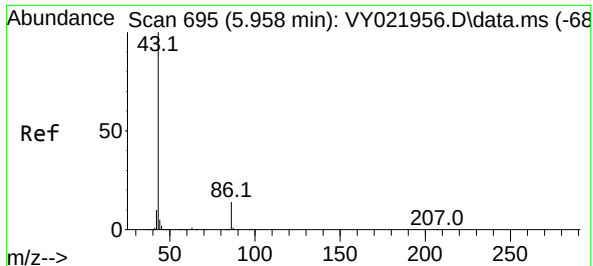
45 100

43 56.2 43.6 65.4

87 34.1 28.2 42.4

59 12.9 10.0 15.0





#23

Vinyl Acetate

Concen: 229.383 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 100904

Ion Ratio Lower Upper

43

100

86

13.8

11.1

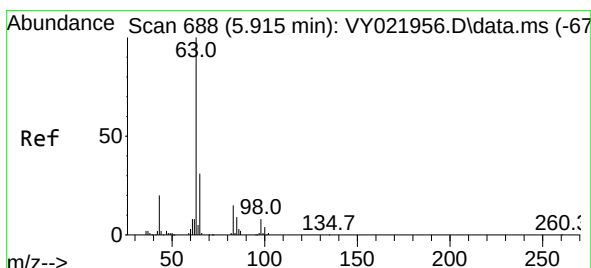
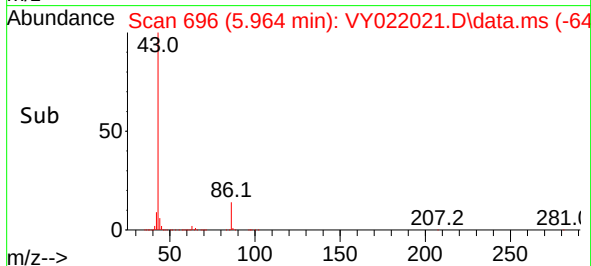
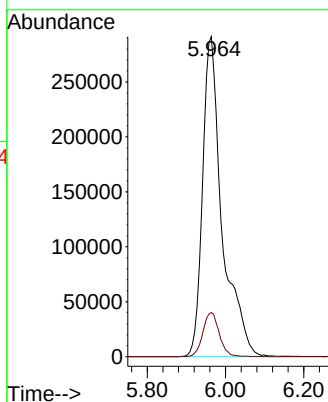
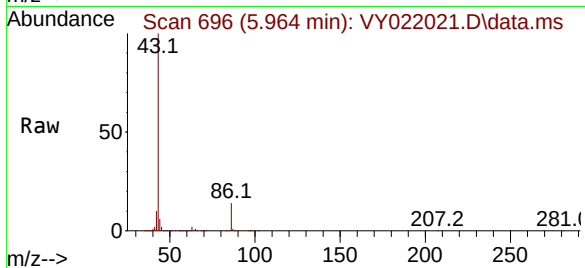
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#24

1,1-Dichloroethane

Concen: 45.472 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion: 63 Resp: 257272

Ion Ratio Lower Upper

63

100

98

8.1

4.0

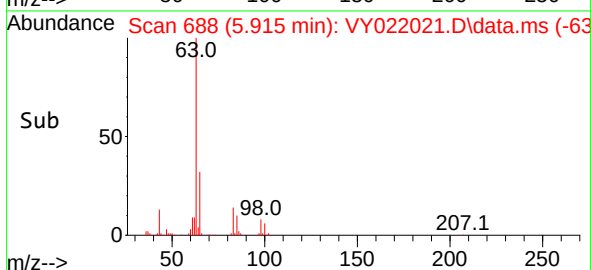
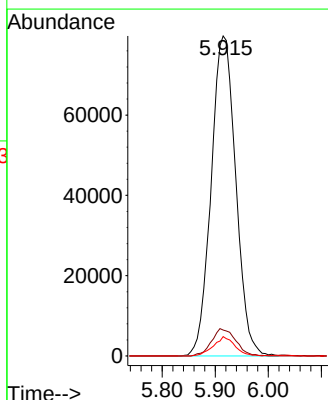
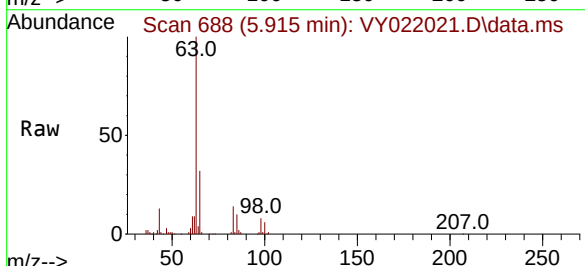
11.9

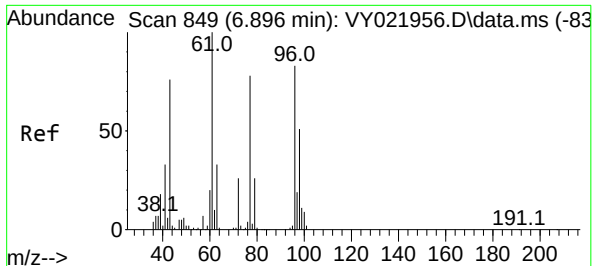
100

6.1

2.0

6.0#





#25

2-Butanone

Concen: 227.698 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 15191

Ion Ratio Lower Upper

43 100

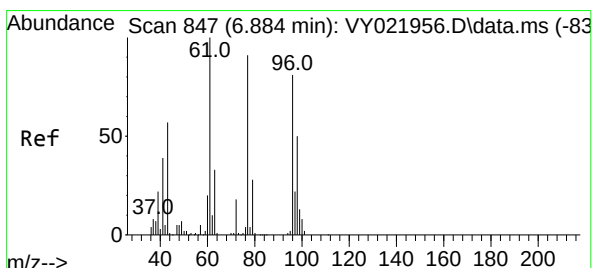
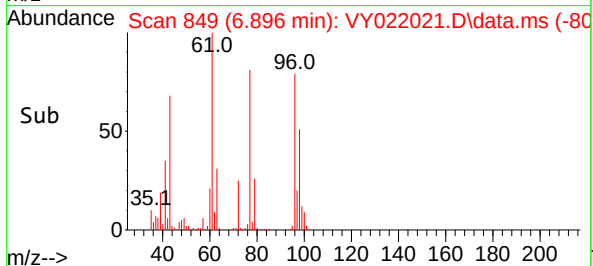
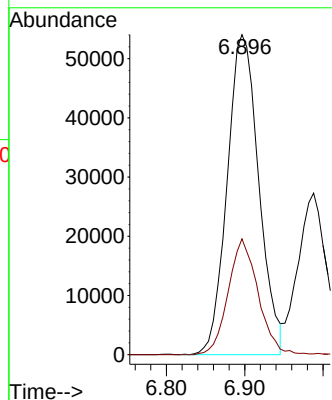
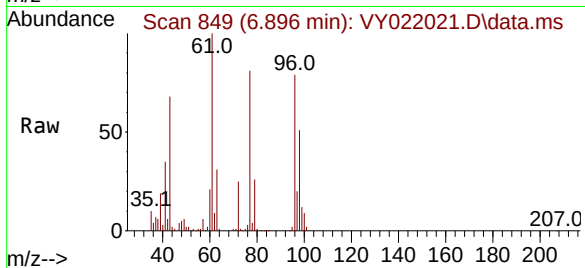
72 36.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#26

2,2-Dichloropropane

Concen: 45.744 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022021.D

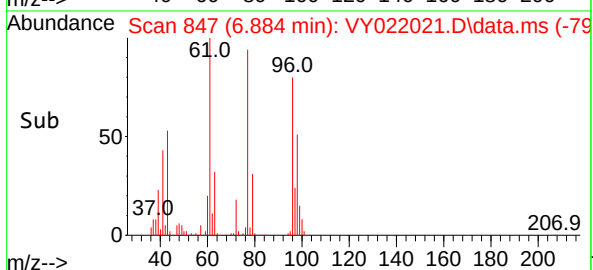
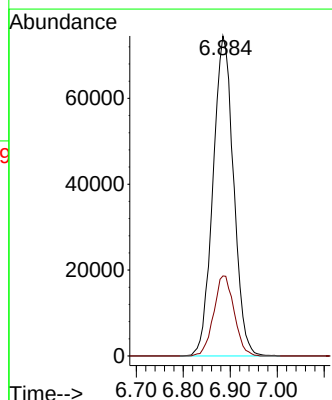
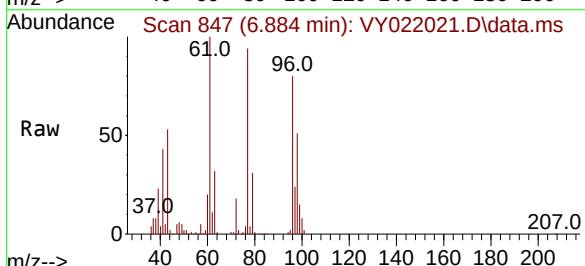
Acq: 28 Apr 2025 09:59

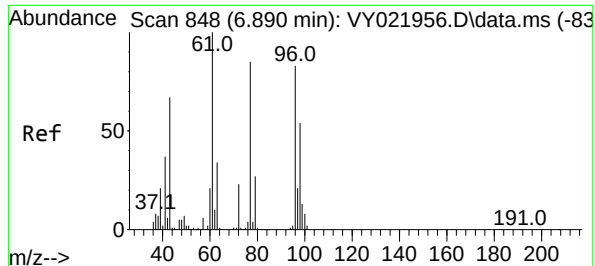
Tgt Ion: 77 Resp: 226836

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4





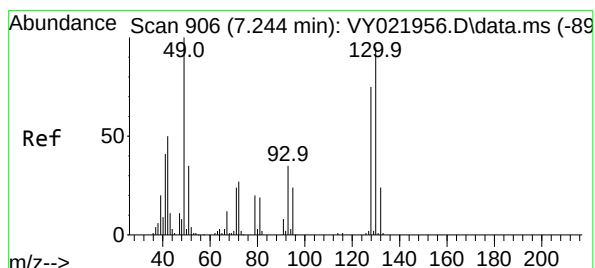
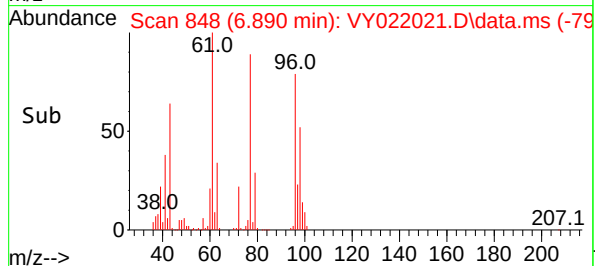
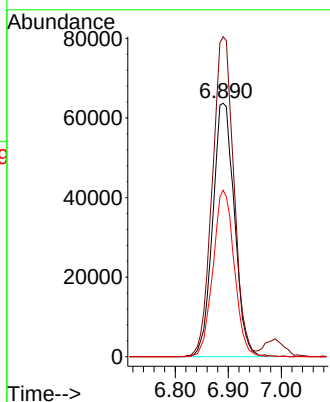
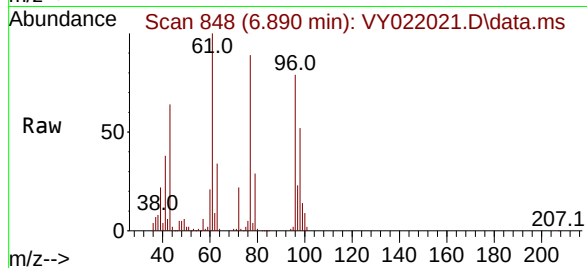
#27
 cis-1,2-Dichloroethene
 Concen: 45.895 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY022021.D
 Acq: 28 Apr 2025 09:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC050

Tgt Ion: 96 Resp: 18103
 Ion Ratio Lower Upper
 96 100
 61 125.4 0.0 251.4
 98 64.2 0.0 128.4

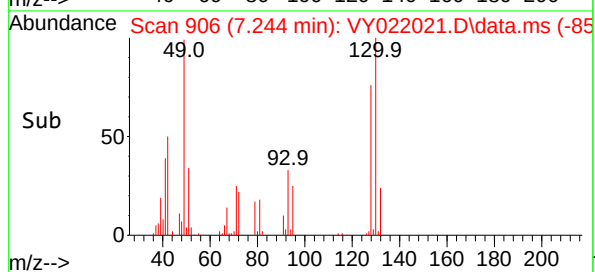
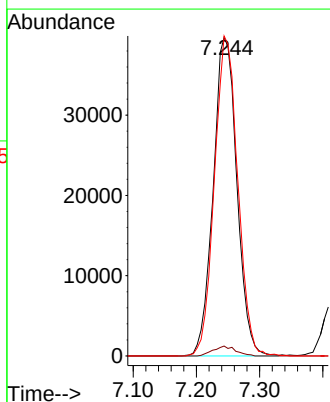
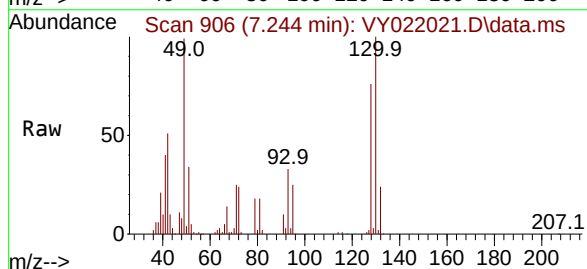
Manual Integrations
 APPROVED

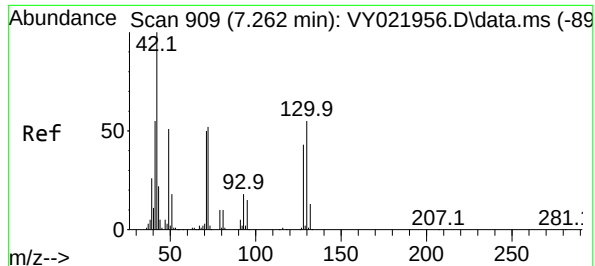
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025



#28
 Bromochloromethane
 Concen: 46.794 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: VY022021.D
 Acq: 28 Apr 2025 09:59

Tgt Ion: 49 Resp: 102834
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.0
 130 99.2 78.2 117.4





#29

Tetrahydrofuran

Concen: 244.304 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 105859

Ion Ratio Lower Upper

42 100

72 53.4 42.6 63.8

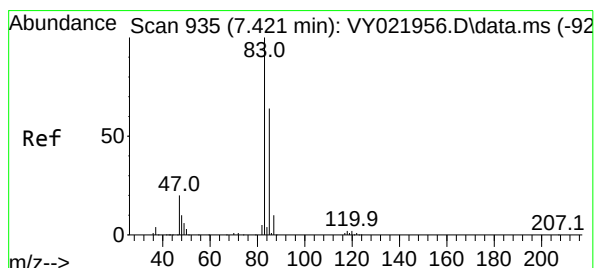
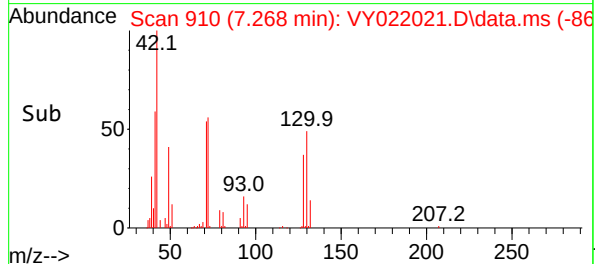
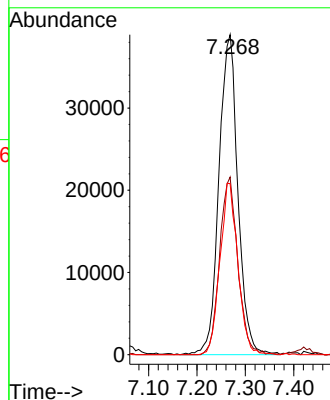
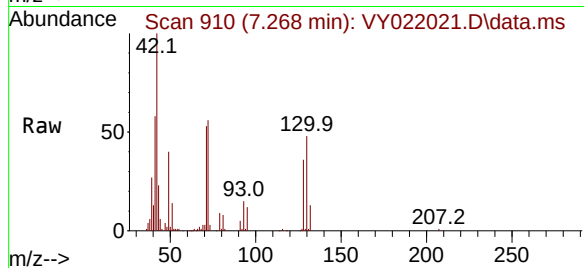
71 50.7 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#30

Chloroform

Concen: 46.592 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022021.D

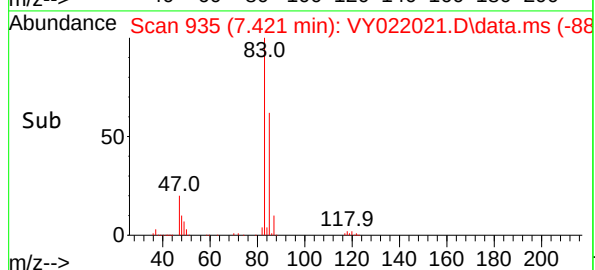
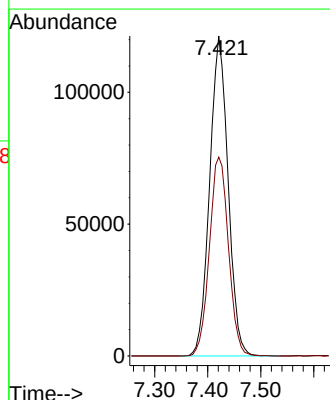
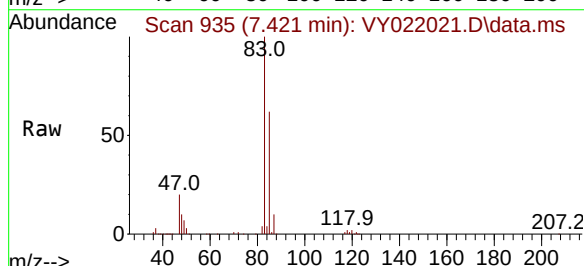
Acq: 28 Apr 2025 09:59

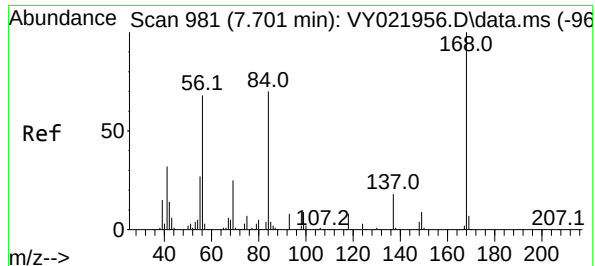
Tgt Ion: 83 Resp: 292396

Ion Ratio Lower Upper

83 100

85 62.1 51.3 76.9





#31

Cyclohexane

Concen: 43.769 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 211764

Ion Ratio Lower Upper

56 100

69 36.9 29.4 44.2

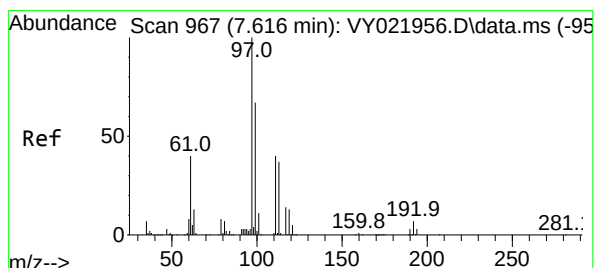
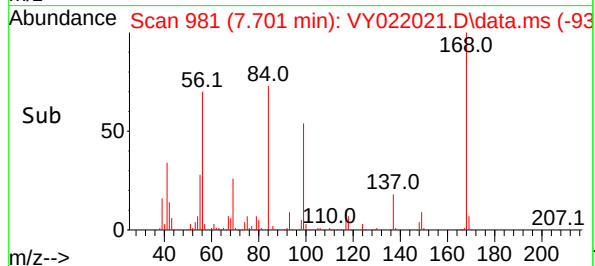
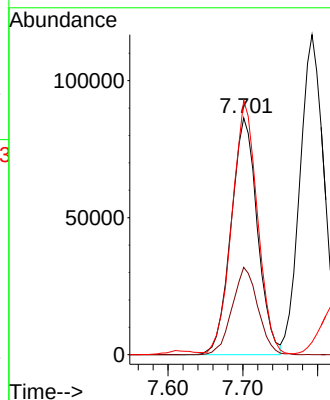
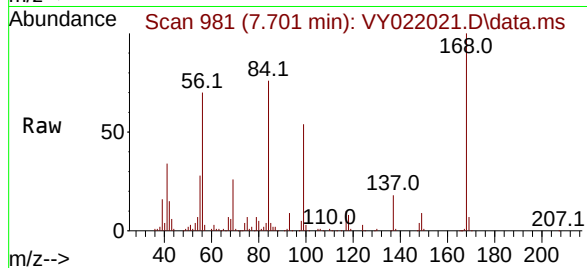
84 105.9 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#32

1,1,1-Trichloroethane

Concen: 46.308 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

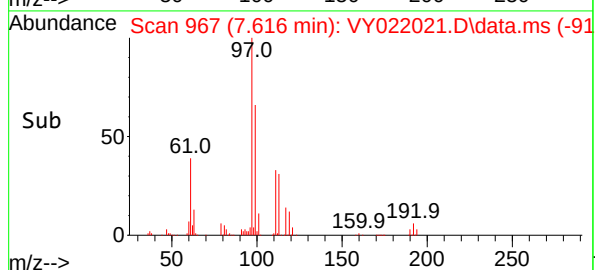
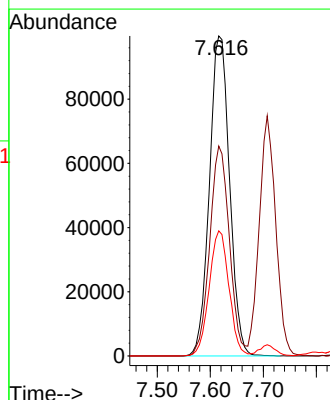
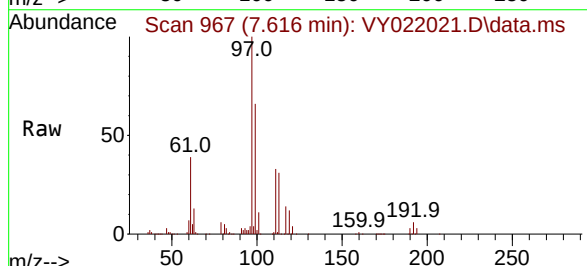
Tgt Ion: 97 Resp: 262924

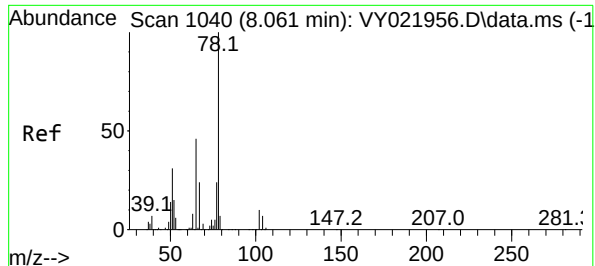
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

61 38.4 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 45.703 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 133760

Ion Ratio Lower Upper

65 100

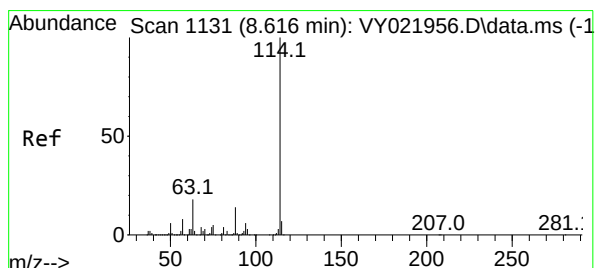
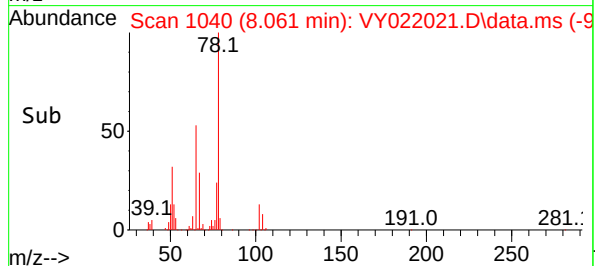
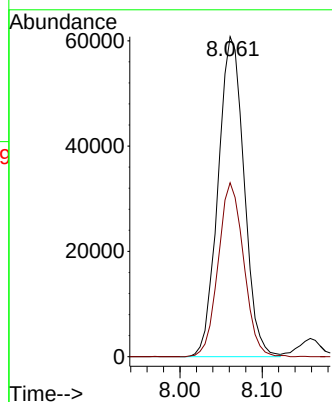
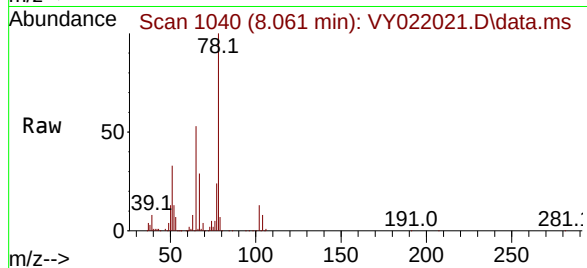
67 53.2 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

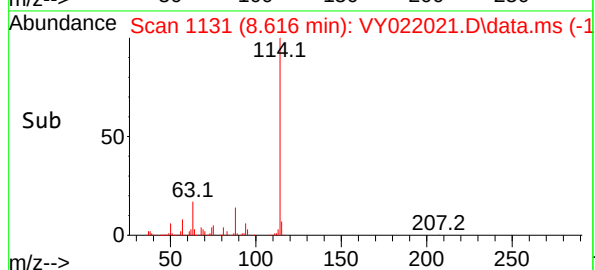
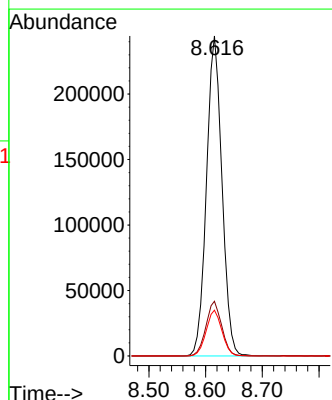
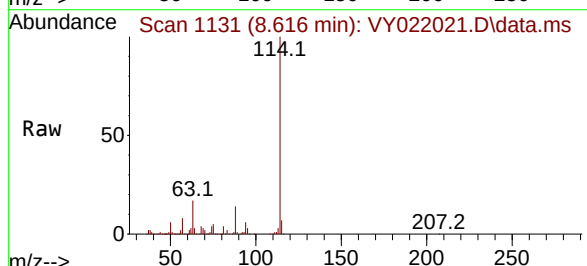
Tgt Ion:114 Resp: 463292

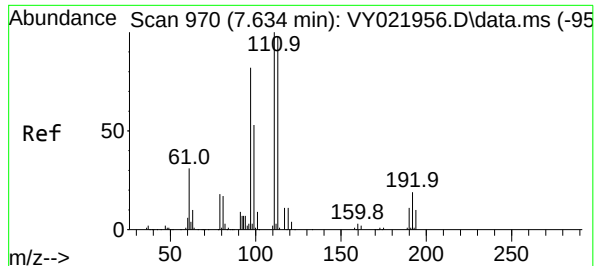
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.299 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 150892

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

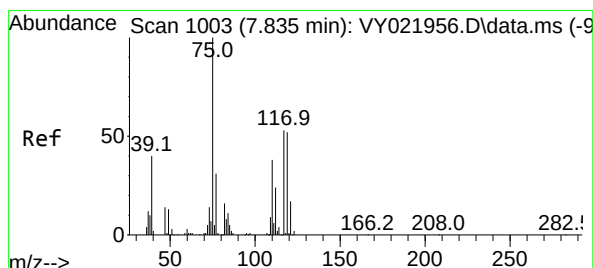
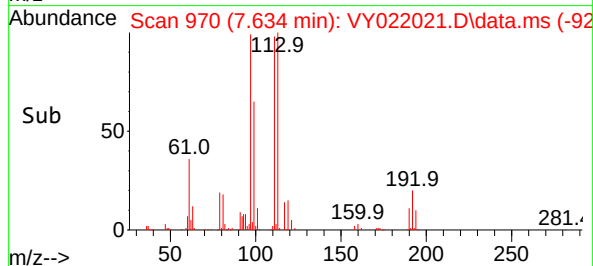
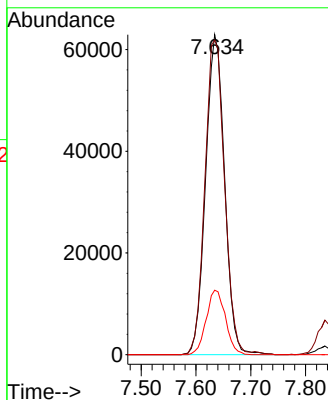
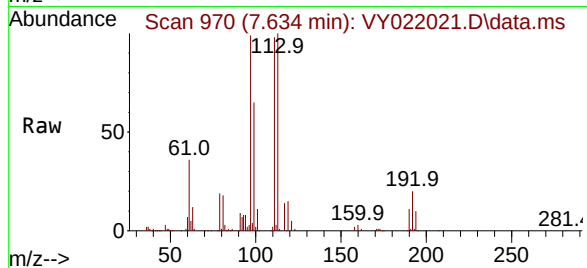
192 20.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#36

1,1-Dichloropropene

Concen: 49.257 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

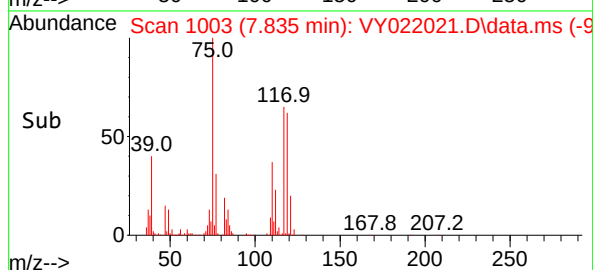
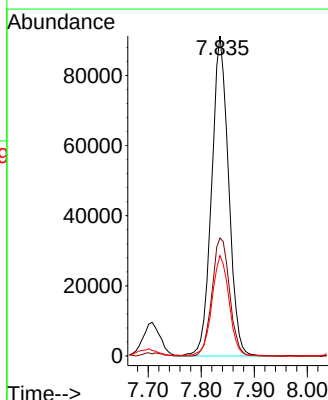
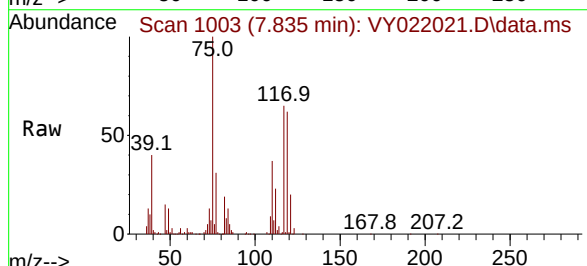
Tgt Ion: 75 Resp: 202515

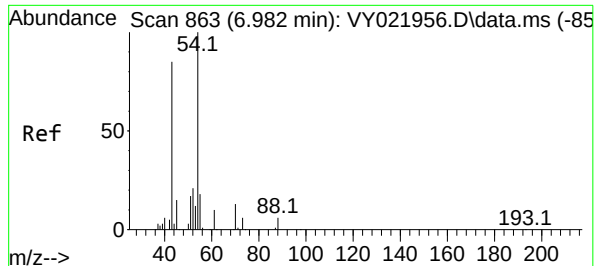
Ion Ratio Lower Upper

75 100

110 38.3 19.1 57.3

77 31.8 25.5 38.3





#37

Ethyl Acetate

Concen: 49.244 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 72715

Ion Ratio Lower Upper

43 100

61 16.6 13.8 20.6

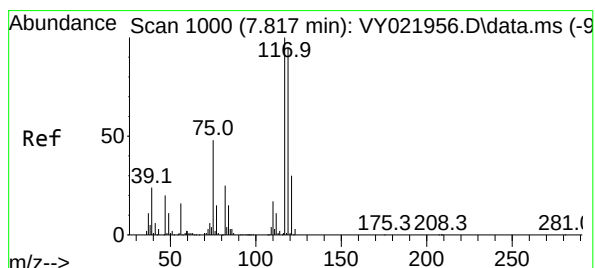
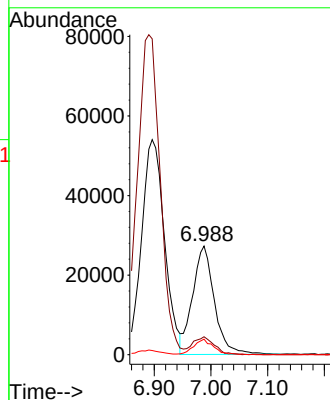
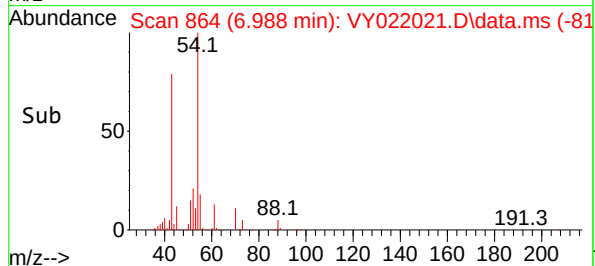
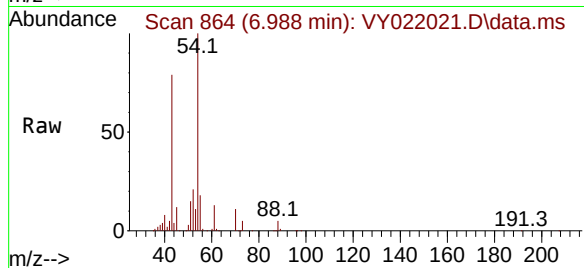
70 13.1 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#38

Carbon Tetrachloride

Concen: 50.250 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

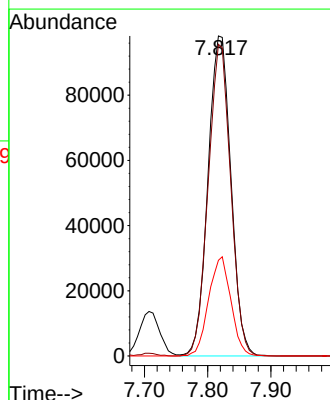
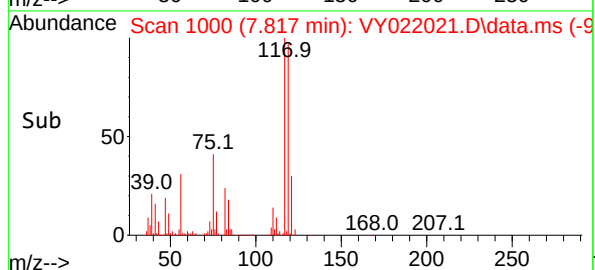
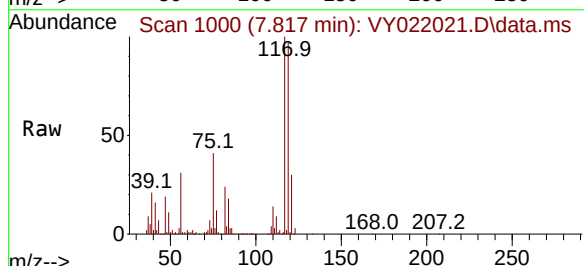
Tgt Ion:117 Resp: 246873

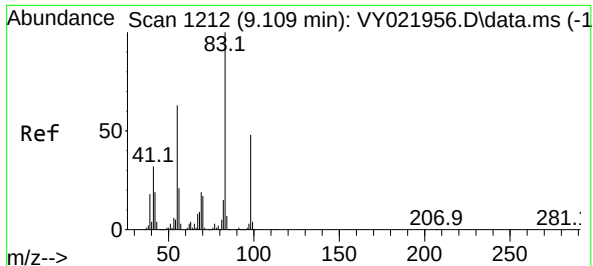
Ion Ratio Lower Upper

117 100

119 97.4 76.2 114.4

121 29.9 24.0 36.0





#39

Methylcyclohexane

Concen: 47.952 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022021.D

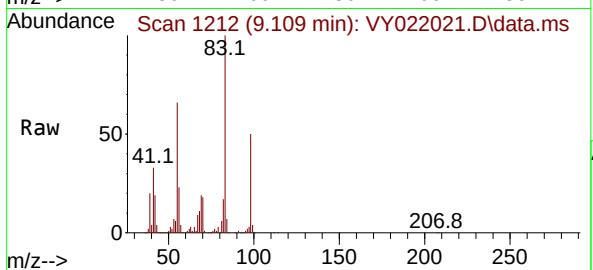
Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 248104

Ion Ratio Lower Upper

83 100

55 66.0 50.6 75.8

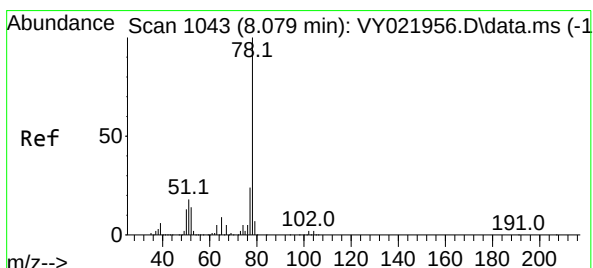
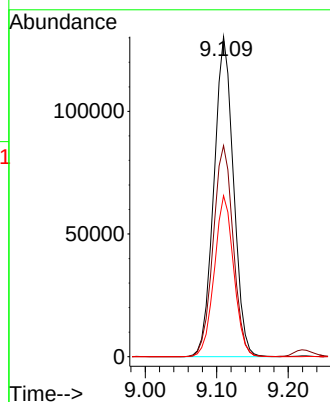
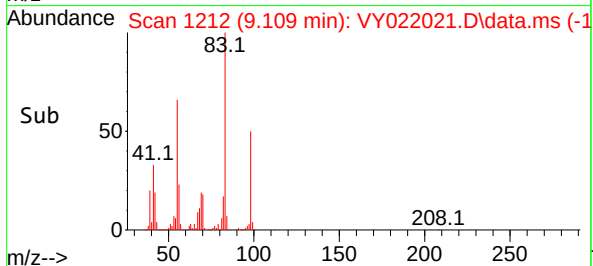
98 50.3 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#40

Benzene

Concen: 49.146 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022021.D

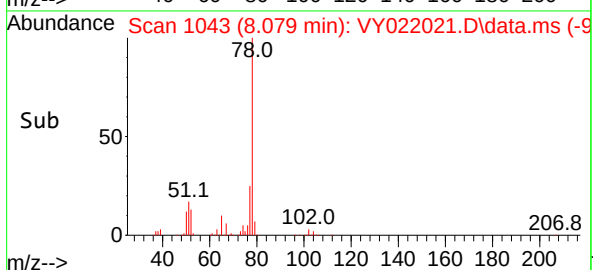
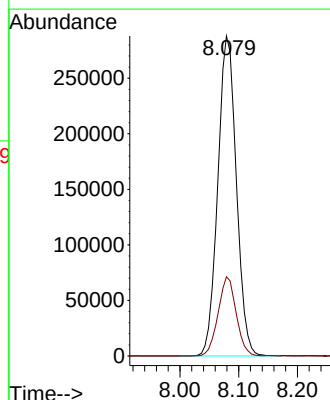
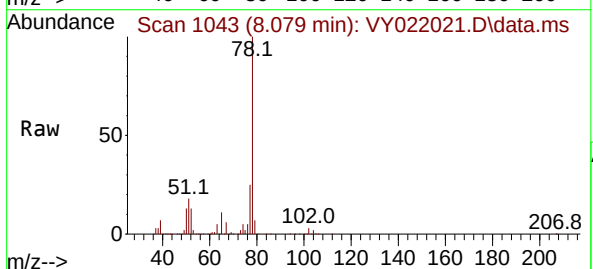
Acq: 28 Apr 2025 09:59

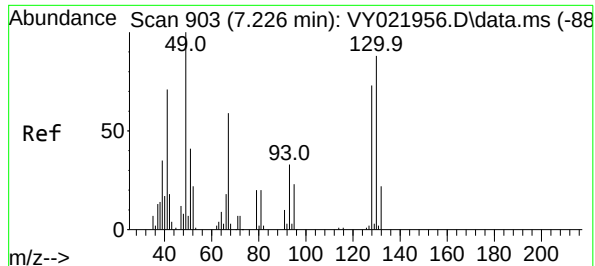
Tgt Ion: 78 Resp: 631630

Ion Ratio Lower Upper

78 100

77 24.7 19.3 28.9





#41

Methacrylonitrile

Concen: 50.745 ug/l

RT: 7.220 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 4096

Ion Ratio Lower Upper

41 100

39 51.7 36.6 55.0

67 92.5 72.2 108.4

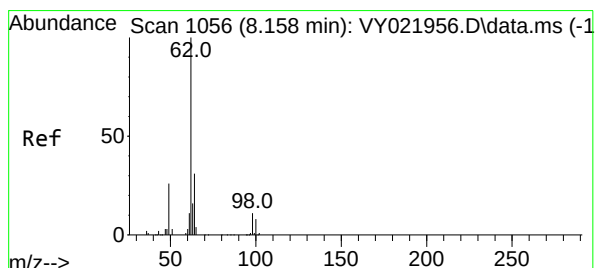
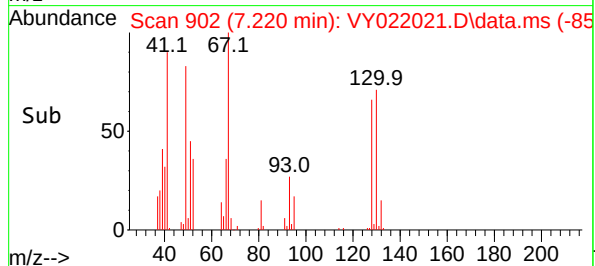
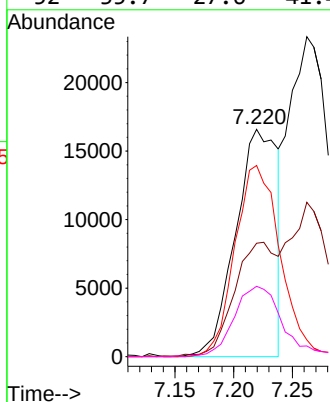
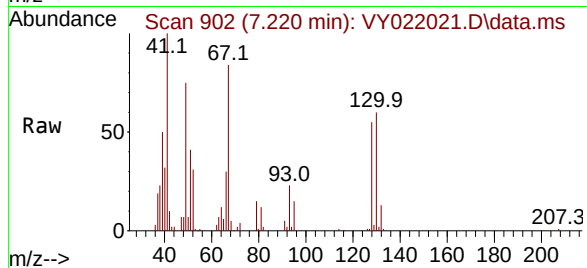
52 35.7 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#42

1,2-Dichloroethane

Concen: 49.487 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022021.D

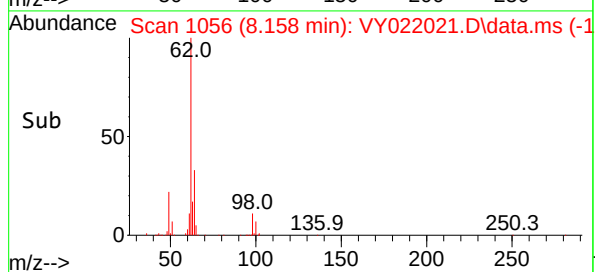
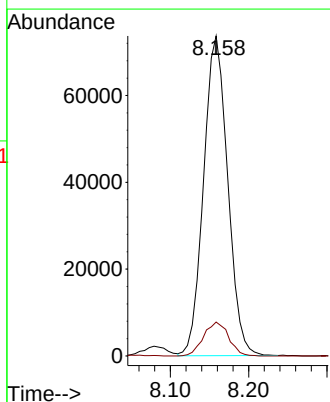
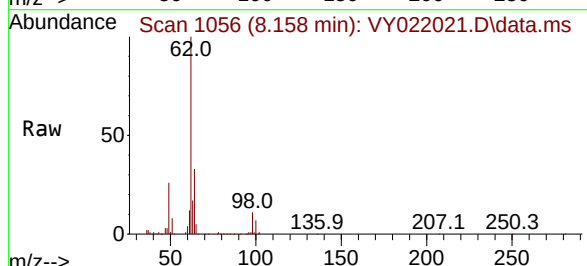
Acq: 28 Apr 2025 09:59

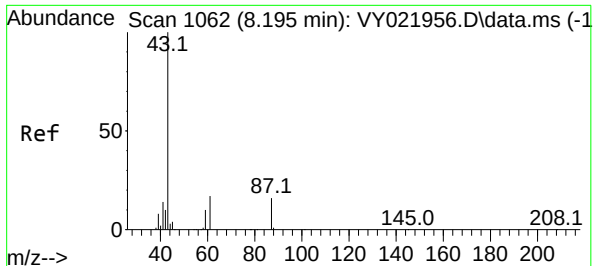
Tgt Ion: 62 Resp: 157468

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 48.136 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

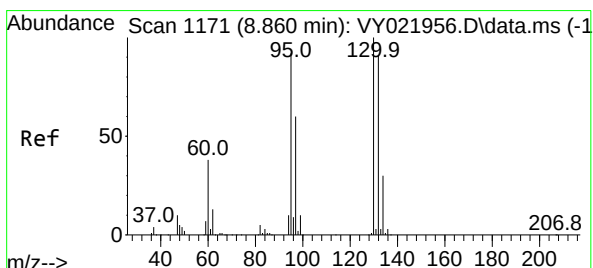
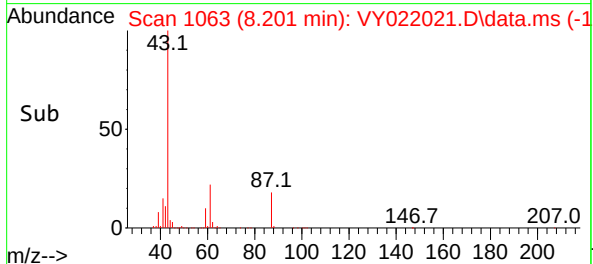
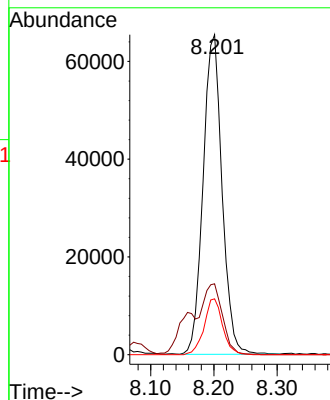
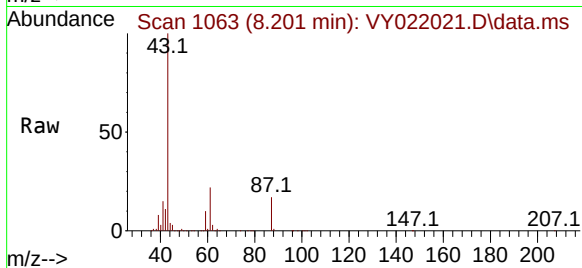
VSTDCCC050

Tgt Ion: 43	Resp: 136500
Ion Ratio	Lower Upper
43	100
61	23.9 18.9 28.3
87	17.0 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#44

Trichloroethene

Concen: 48.422 ug/l

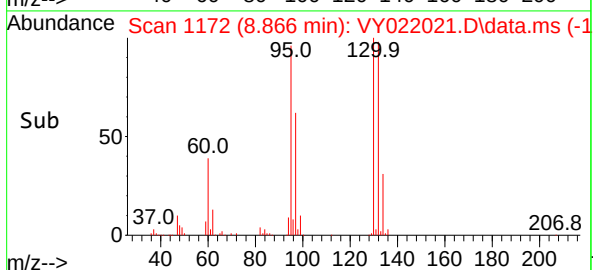
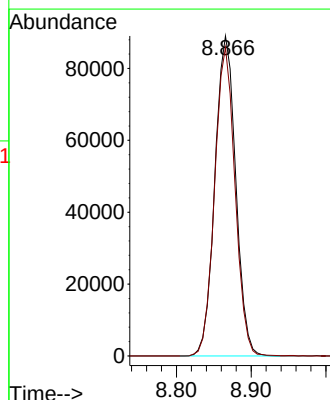
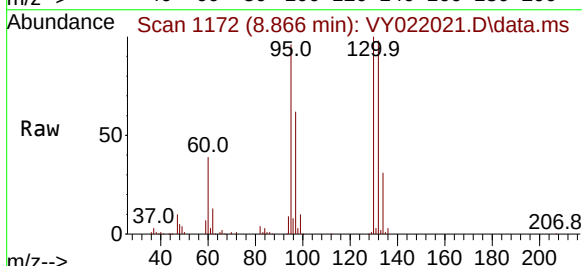
RT: 8.866 min Scan# 1172

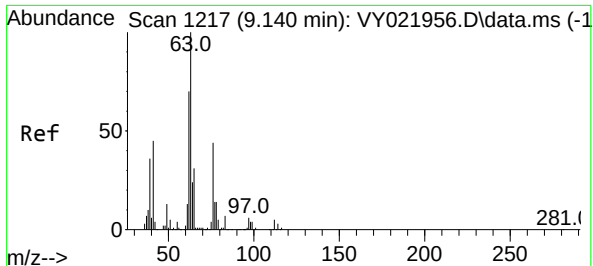
Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion:130	Resp: 172375
Ion Ratio	Lower Upper
130	100
95	96.5 0.0 183.2





#45

1,2-Dichloropropane

Concen: 49.124 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 139620

Ion Ratio Lower Upper

63 100

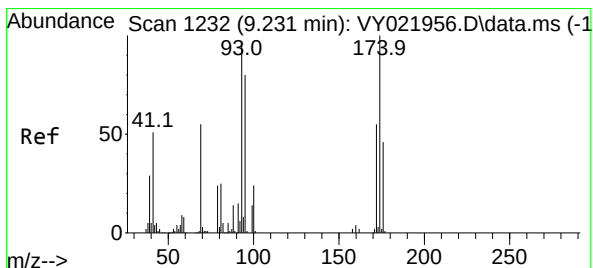
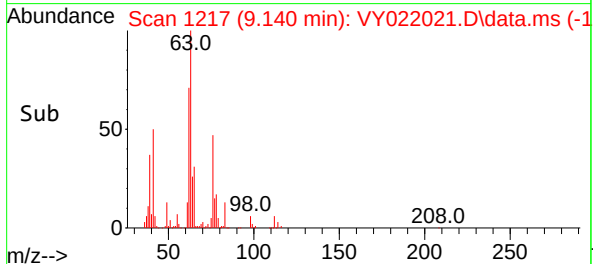
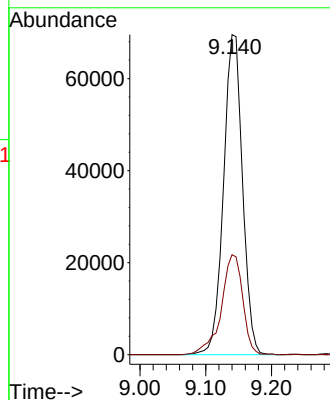
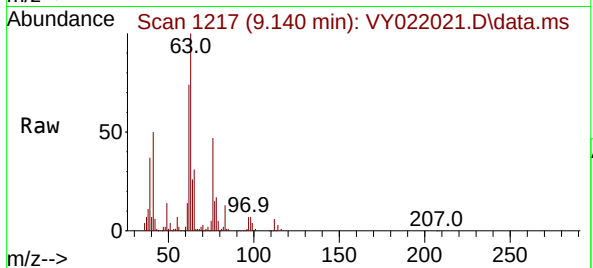
65 31.3 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#46

Dibromomethane

Concen: 49.917 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

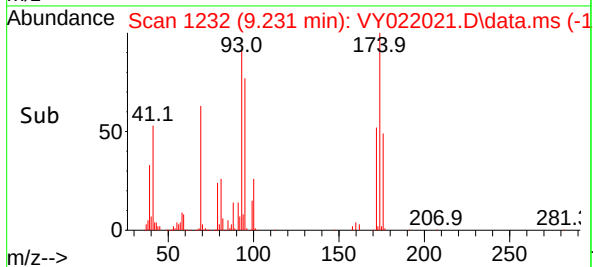
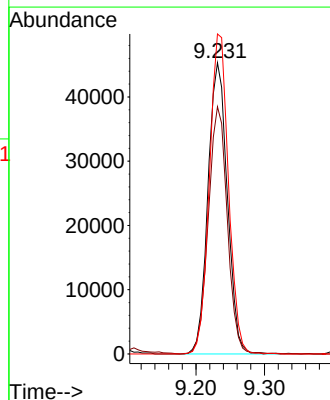
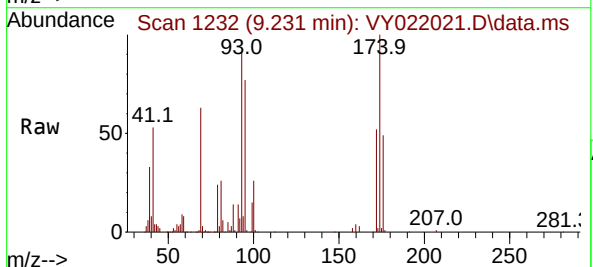
Tgt Ion: 93 Resp: 88811

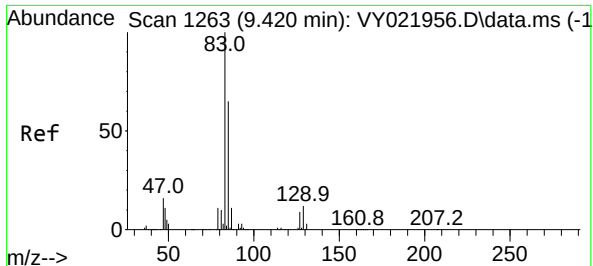
Ion Ratio Lower Upper

93 100

95 83.3 66.7 100.1

174 108.5 84.6 127.0





#47

Bromodichloromethane

Concen: 50.140 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

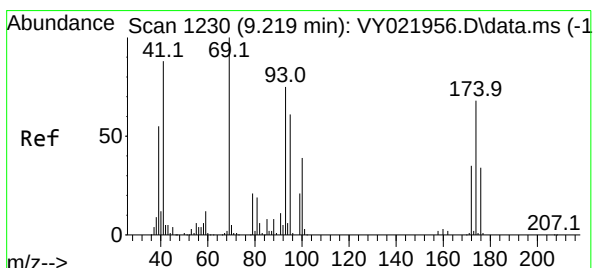
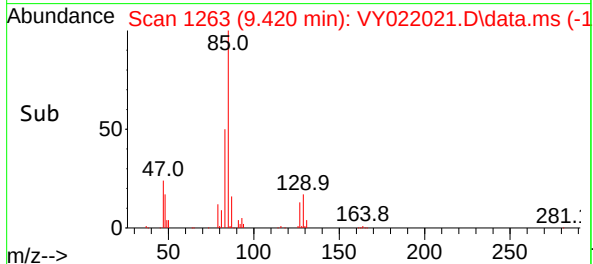
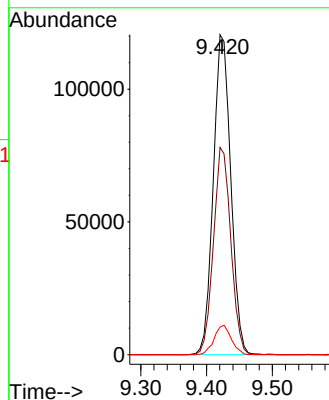
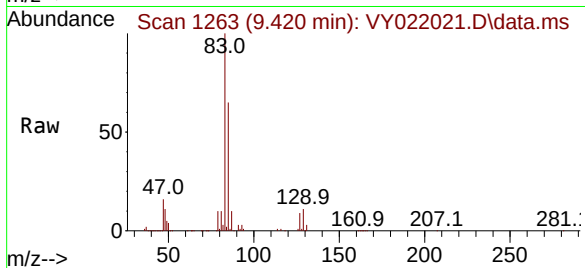
VSTDCCC050

Tgt Ion:	83	Resp:	22285
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.7	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#48

Methyl methacrylate

Concen: 51.025 ug/l

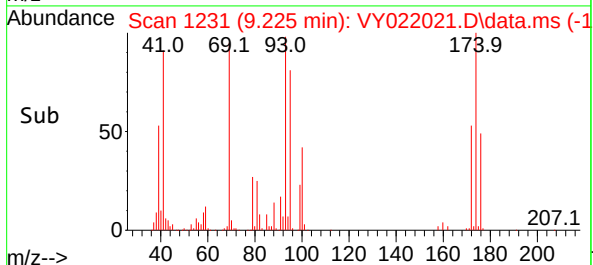
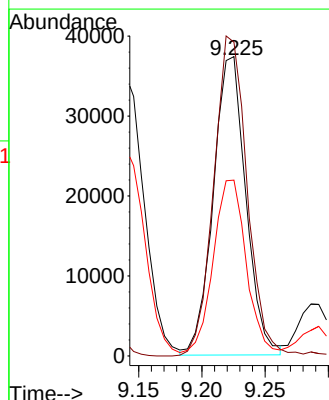
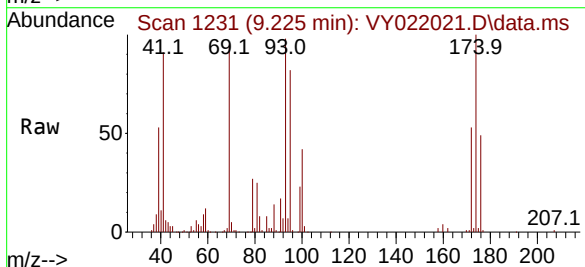
RT: 9.225 min Scan# 1231

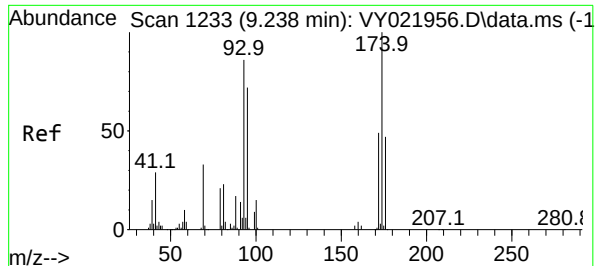
Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion:	41	Resp:	66889
Ion	Ratio	Lower	Upper
41	100		
69	109.8	85.5	128.3
39	57.9	46.2	69.4





#49

1,4-Dioxane

Concen: 990.448 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1878

Ion Ratio Lower Upper

88 100

43 24.2 21.3 31.9

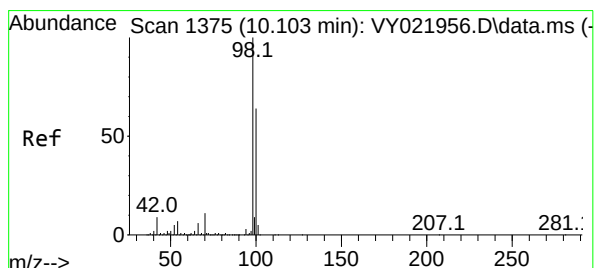
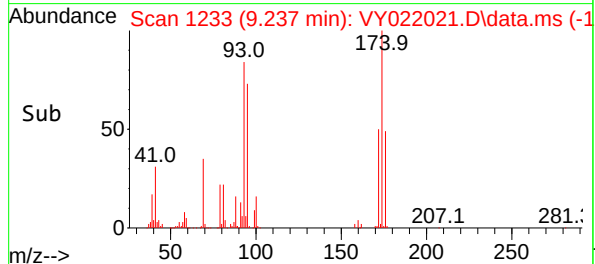
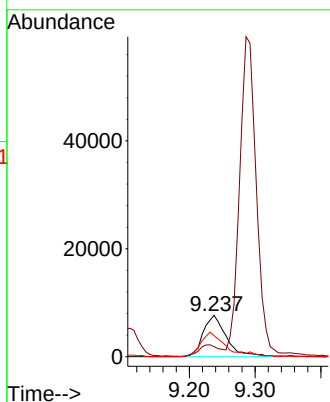
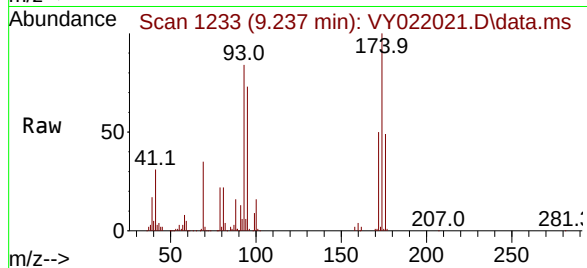
58 59.0 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#50

Toluene-d8

Concen: 49.941 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022021.D

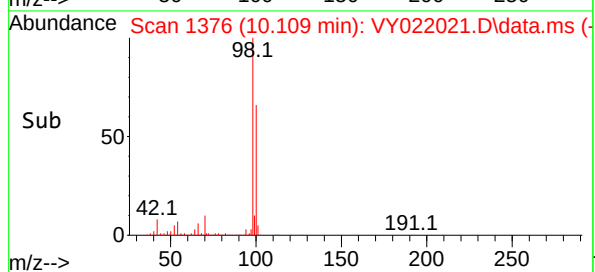
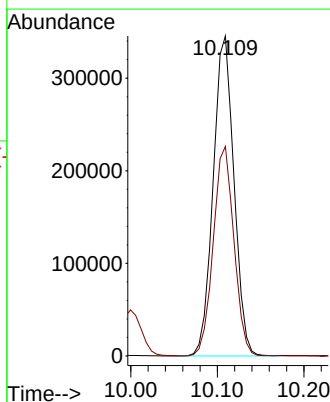
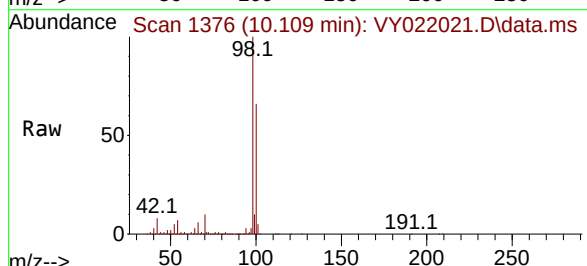
Acq: 28 Apr 2025 09:59

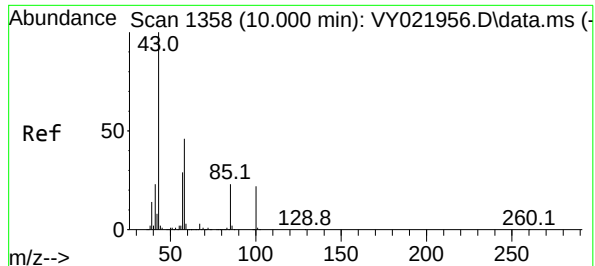
Tgt Ion: 98 Resp: 576275

Ion Ratio Lower Upper

98 100

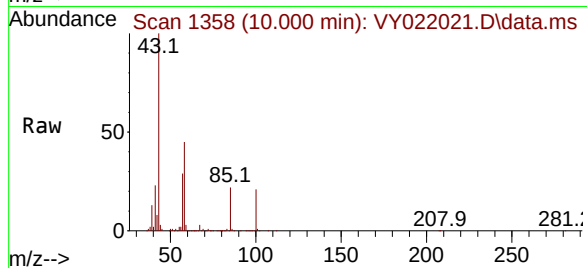
100 65.1 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 262.978 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

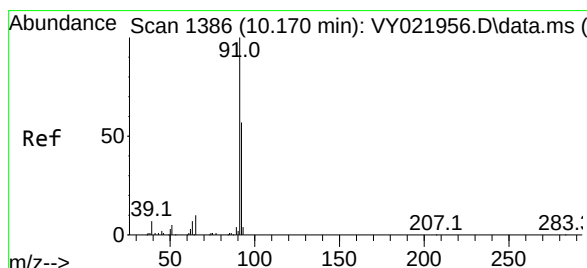
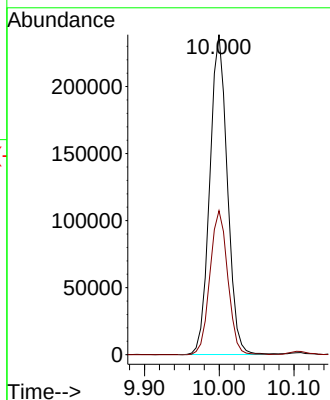
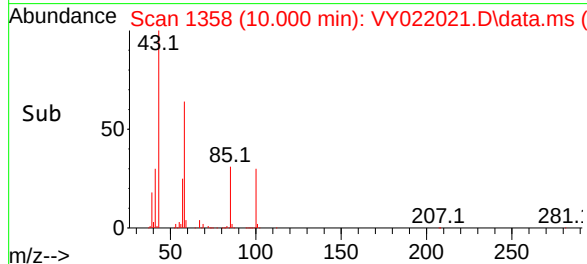
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 39092
Ion Ratio Lower Upper
43 100
58 45.6 36.6 55.0

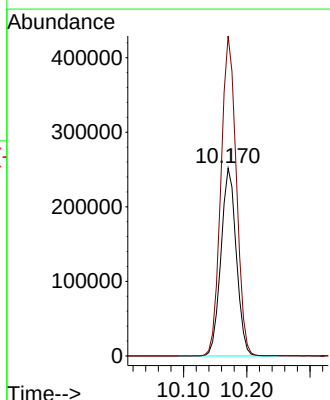
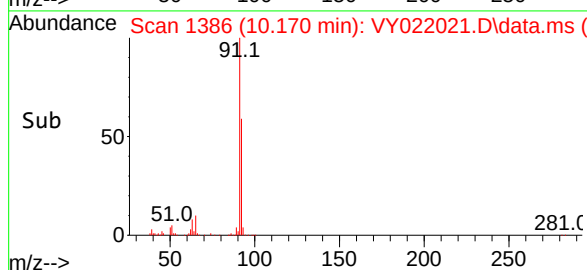
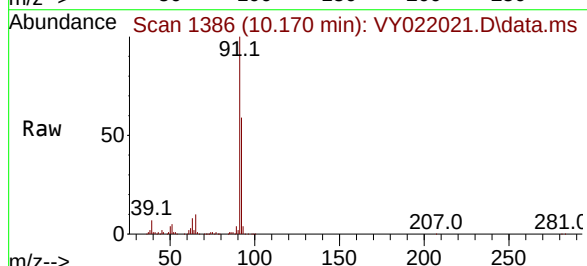
Manual Integrations
APPROVED

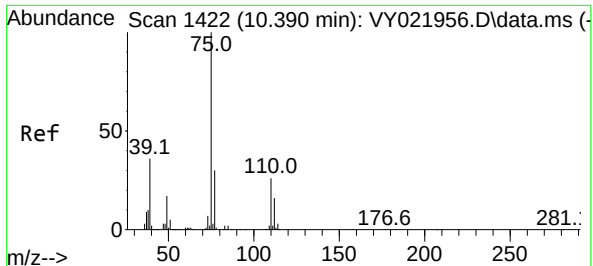
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#52
Toluene
Concen: 50.774 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 92 Resp: 422400
Ion Ratio Lower Upper
92 100
91 171.4 138.6 207.8





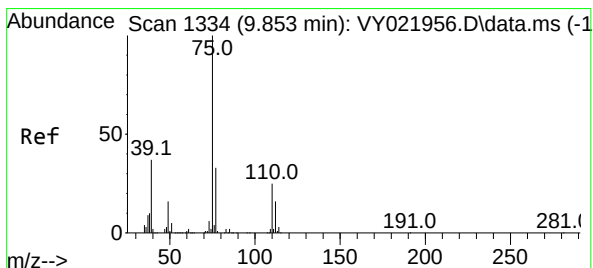
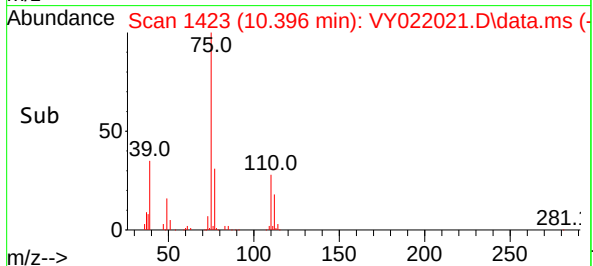
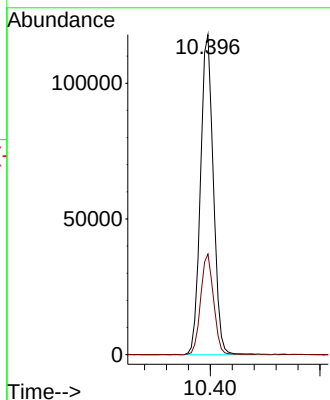
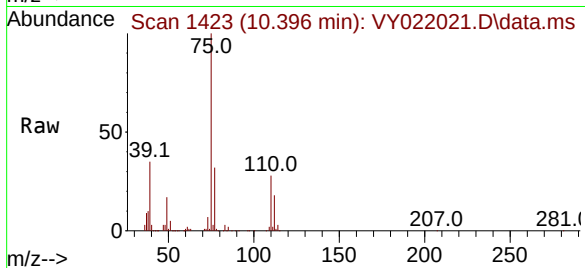
#53
t-1,3-Dichloropropene
Concen: 50.300 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 191764
Ion Ratio Lower Upper
75 100
77 31.4 24.0 36.0

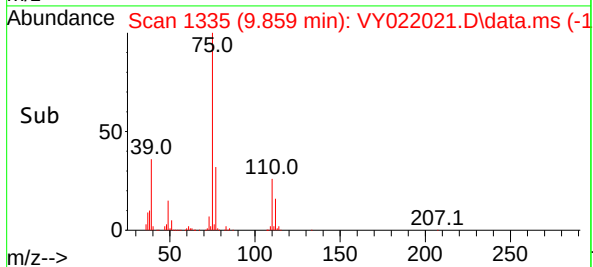
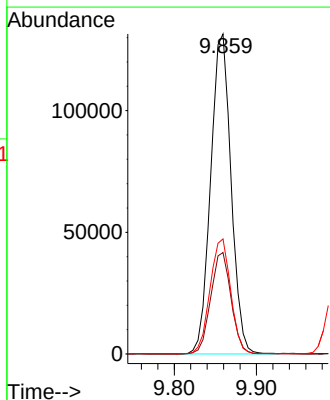
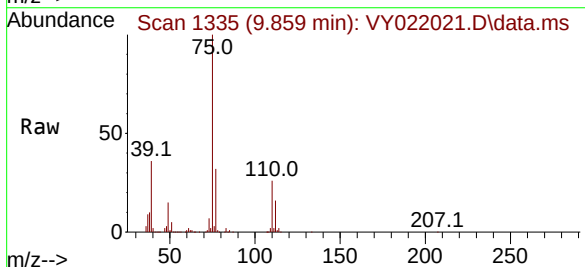
Manual Integrations
APPROVED

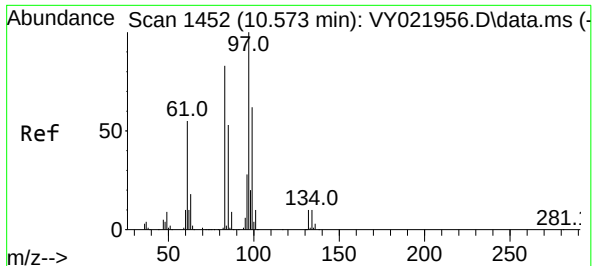
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#54
cis-1,3-Dichloropropene
Concen: 50.030 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

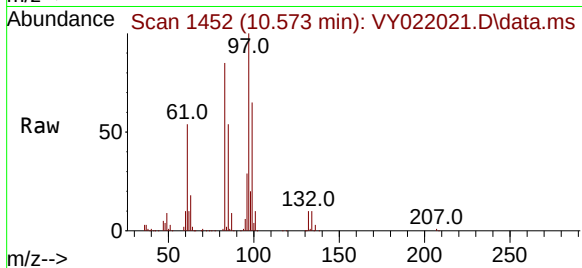
Tgt Ion: 75 Resp: 226727
Ion Ratio Lower Upper
75 100
77 31.7 26.6 40.0
39 36.0 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 51.210 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

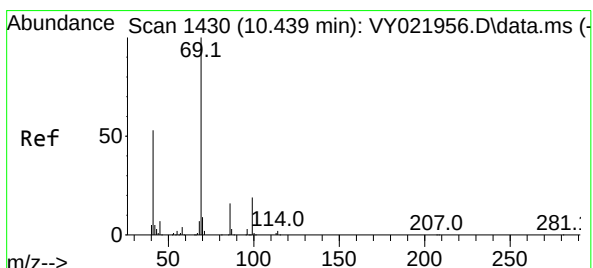
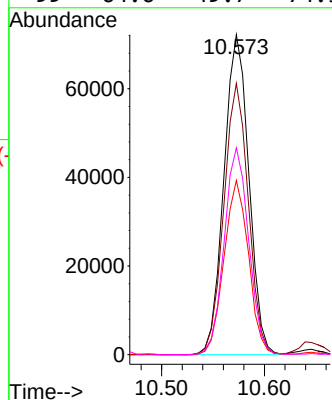
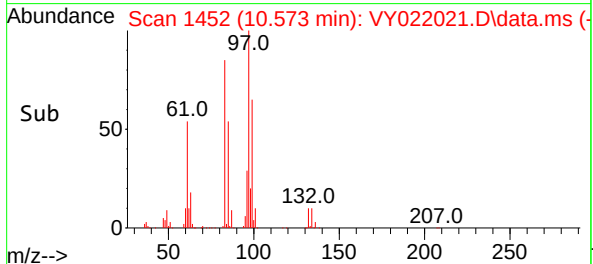
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



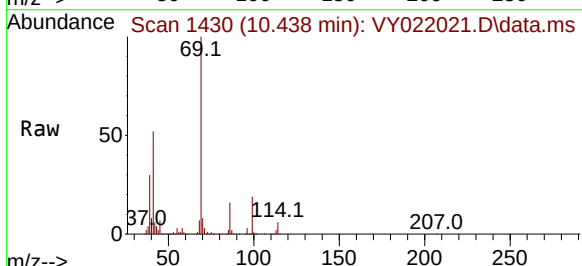
Tgt Ion: 97 Resp: 121704
Ion Ratio Lower Upper
97 100
83 84.8 66.7 100.1
85 54.4 42.6 64.0
99 64.6 49.7 74.5

Manual Integrations
APPROVED

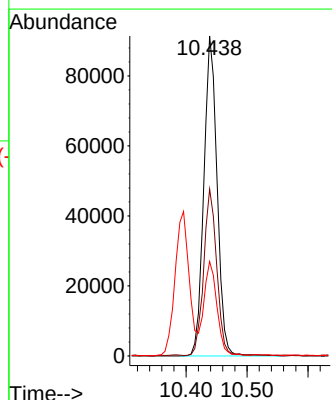
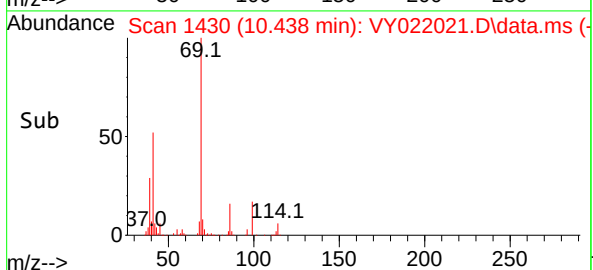
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

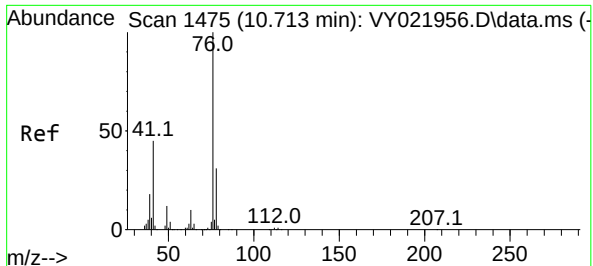


#56
Ethyl methacrylate
Concen: 50.883 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59



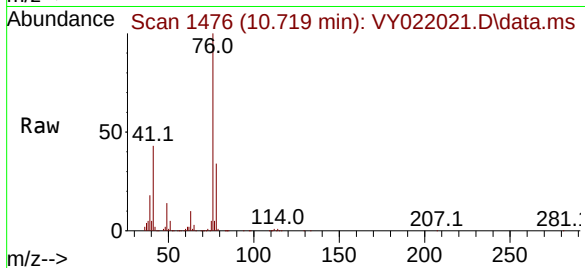
Tgt Ion: 69 Resp: 138287
Ion Ratio Lower Upper
69 100
41 51.3 40.7 61.1
39 28.0 23.3 34.9





#57
1,3-Dichloropropane
Concen: 50.313 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

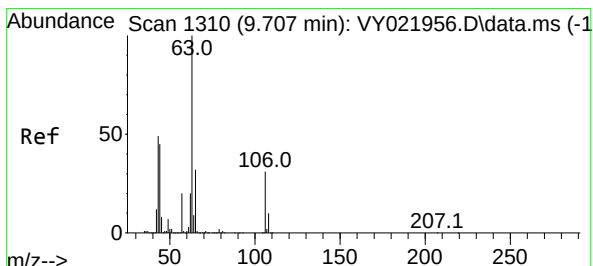
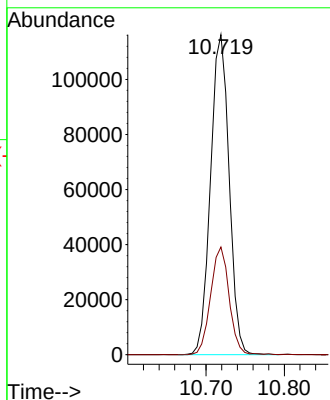
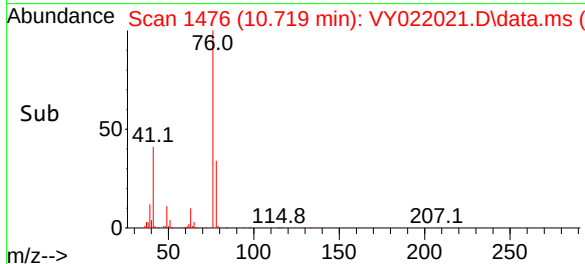
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



Tgt Ion: 76 Resp: 191690
Ion Ratio Lower Upper
76 100
78 33.4 26.6 39.8

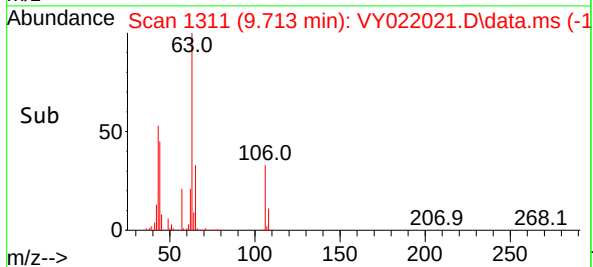
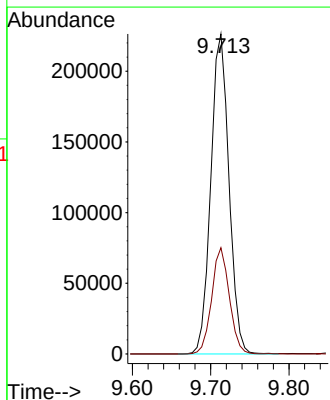
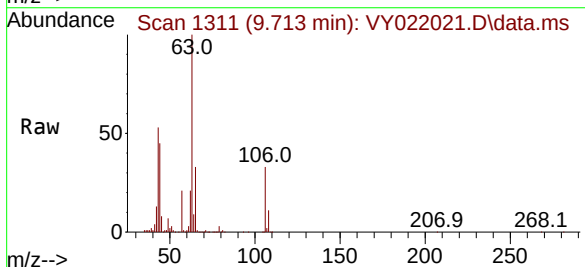
Manual Integrations
APPROVED

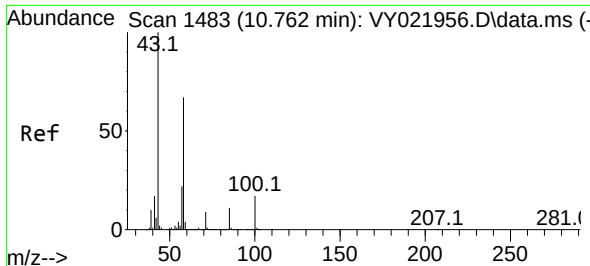
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#58
2-Chloroethyl Vinyl ether
Concen: 274.205 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

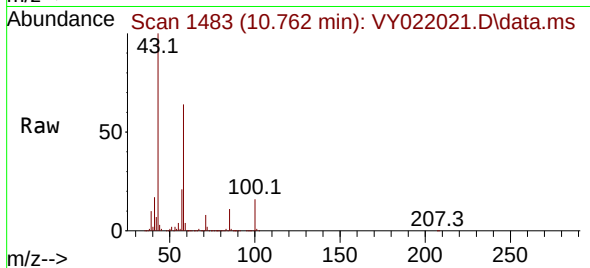
Tgt Ion: 63 Resp: 364363
Ion Ratio Lower Upper
63 100
106 32.3 25.3 37.9





#59
2-Hexanone
Concen: 266.294 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

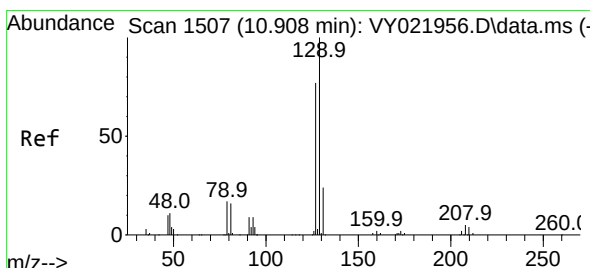
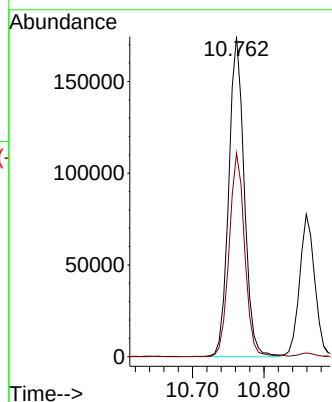
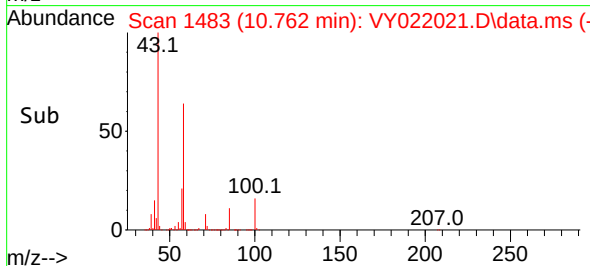
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 261097
Ion Ratio Lower Upper
43 100
58 63.9 32.0 96.0

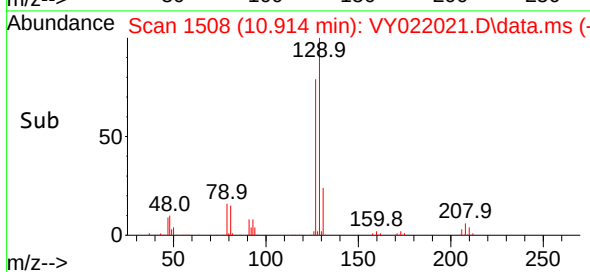
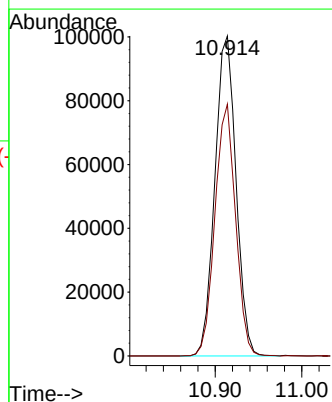
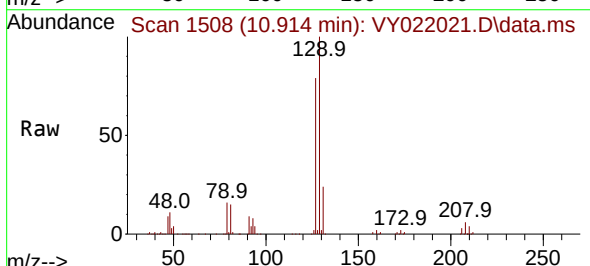
Manual Integrations
APPROVED

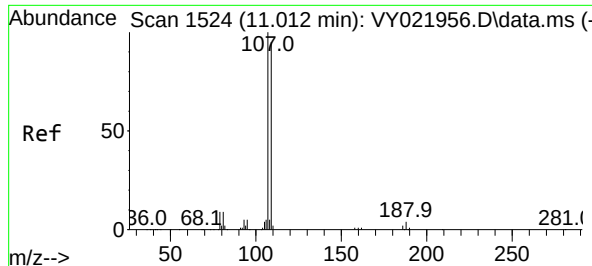
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#60
Dibromochloromethane
Concen: 51.661 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion:129 Resp: 169983
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





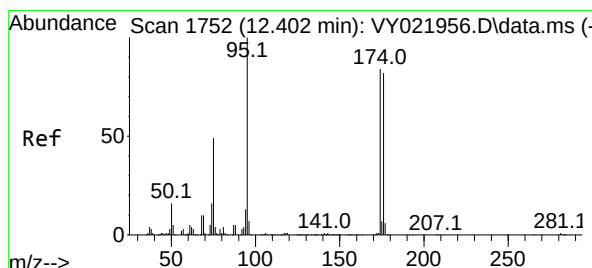
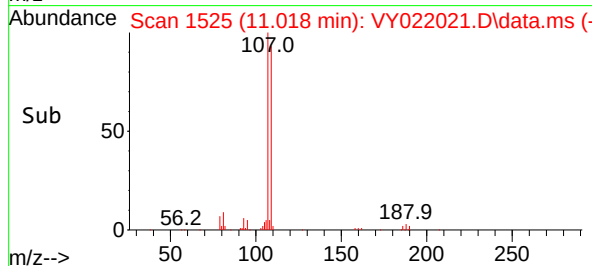
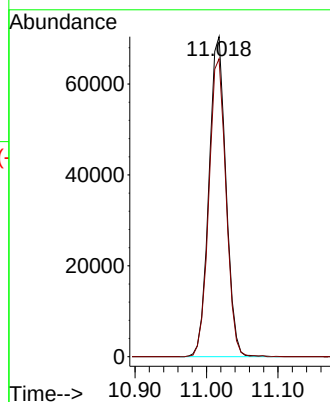
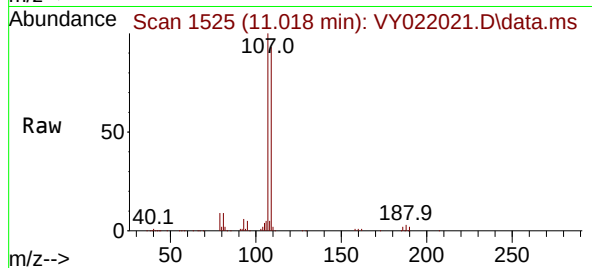
#61
1,2-Dibromoethane
Concen: 51.898 ug/l
RT: 11.018 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 11644
Ion Ratio Lower Upper
107 100
109 93.7 75.8 113.8

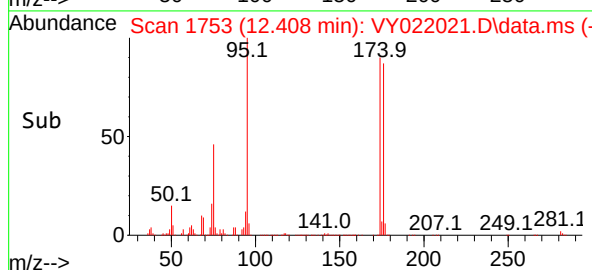
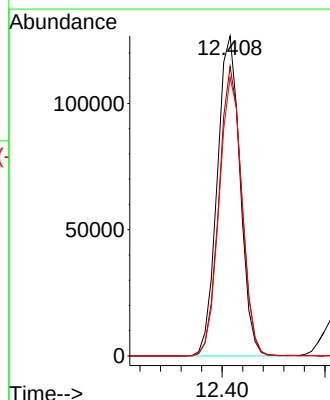
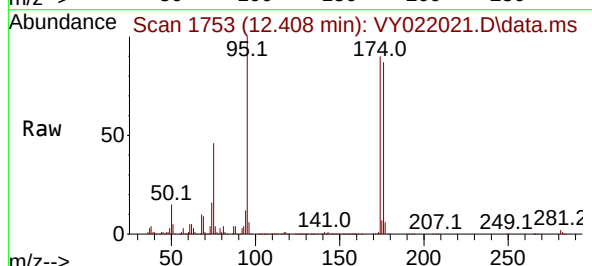
Manual Integrations
APPROVED

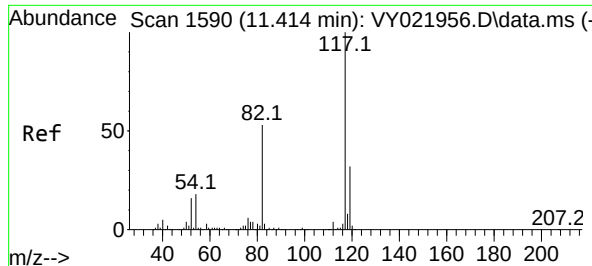
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#62
4-Bromofluorobenzene
Concen: 50.288 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 95 Resp: 195343
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 87.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 43658

Ion Ratio Lower Upper

117 100

82 50.5 42.1 63.1

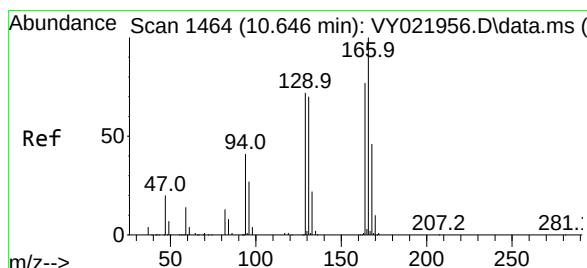
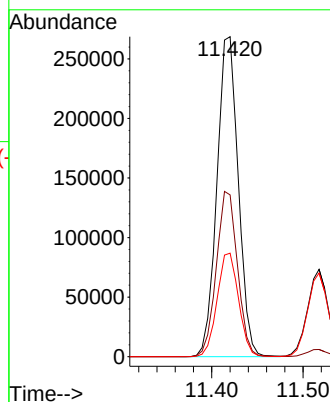
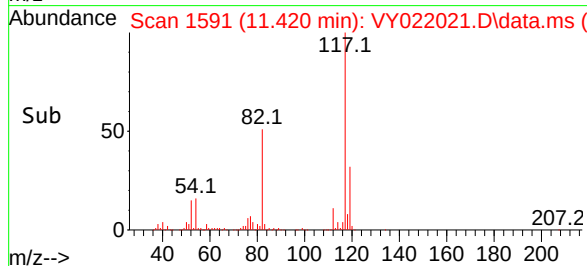
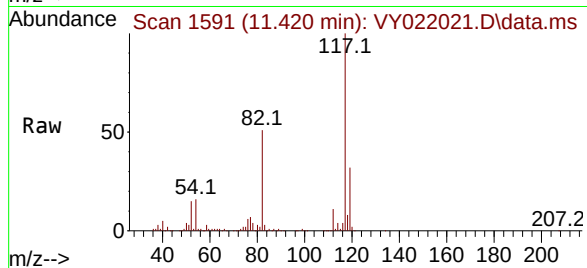
119 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#64

Tetrachloroethene

Concen: 48.844 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion:164 Resp: 201169

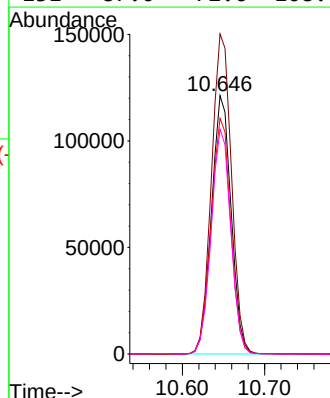
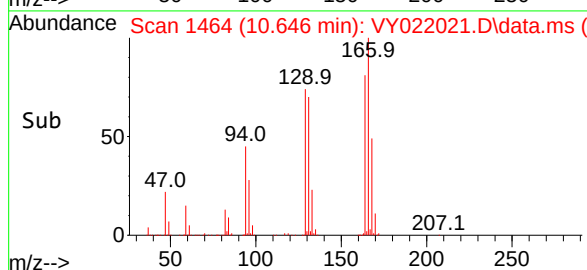
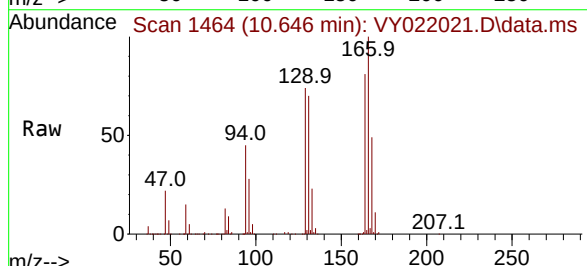
Ion Ratio Lower Upper

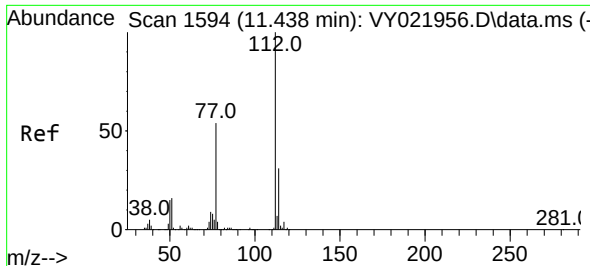
164 100

166 123.8 103.6 155.4

129 91.2 74.2 111.4

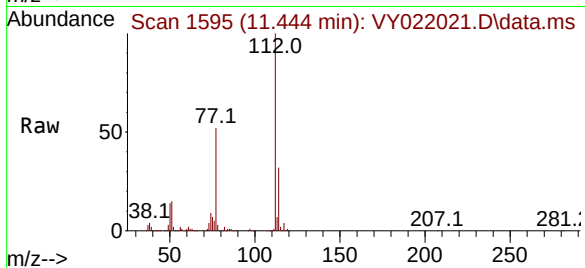
131 87.0 72.6 108.8





#65
Chlorobenzene
Concen: 48.139 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

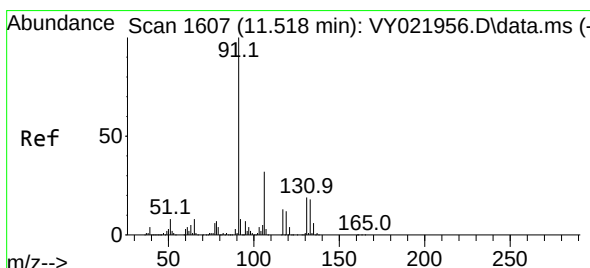
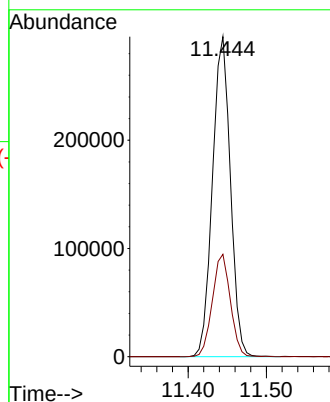
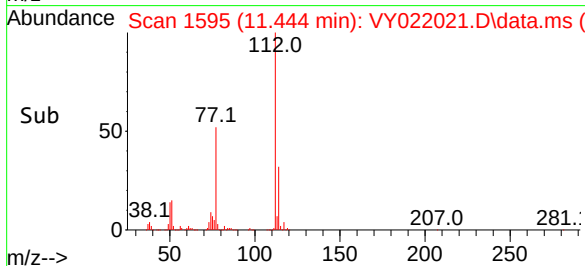
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 46998
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

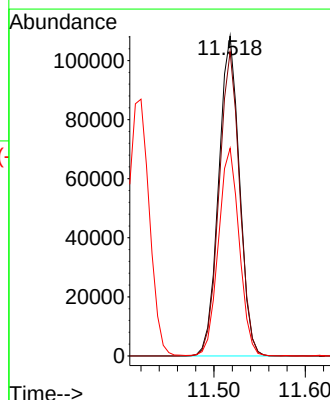
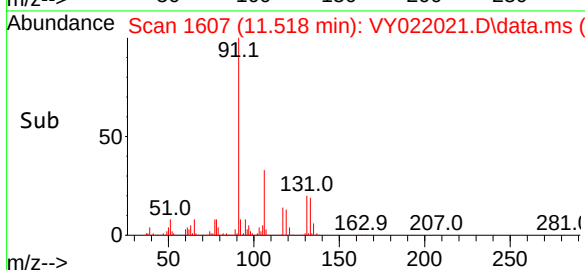
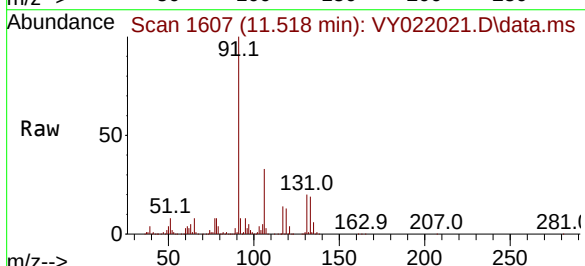
Manual Integrations
APPROVED

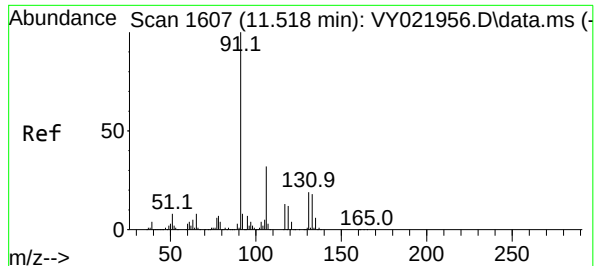
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.785 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion:131 Resp: 171117
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 65.1 32.4 97.0





#67

Ethyl Benzene

Concen: 49.296 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 787300

Ion Ratio Lower Upper

91 100

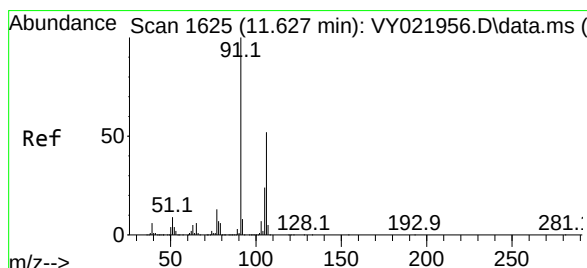
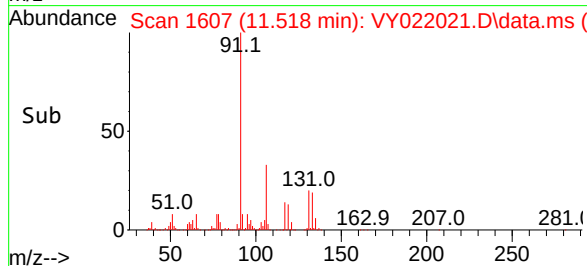
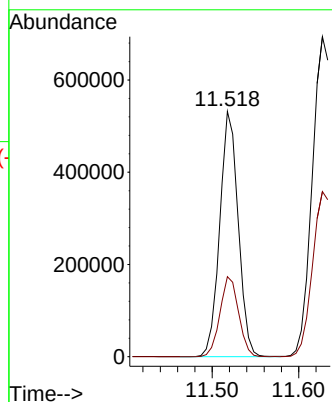
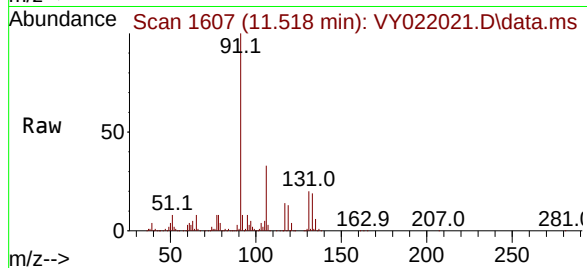
106 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#68

m/p-Xylenes

Concen: 101.477 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022021.D

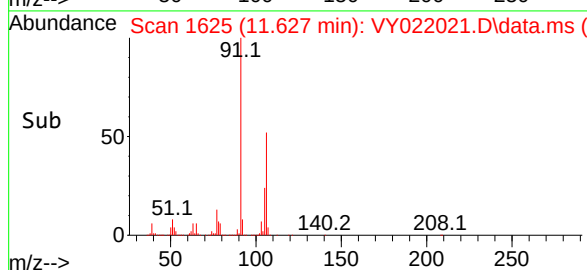
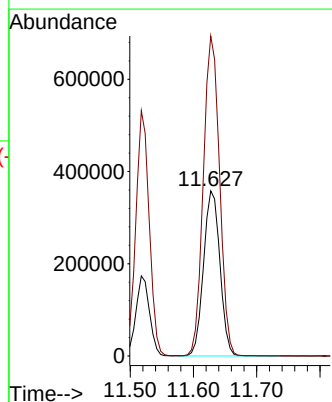
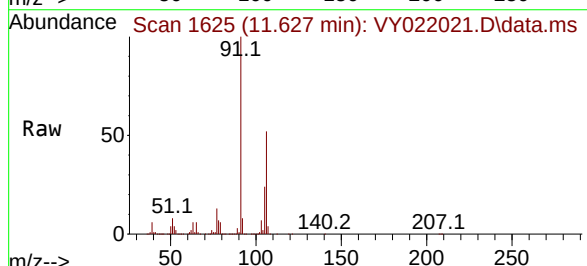
Acq: 28 Apr 2025 09:59

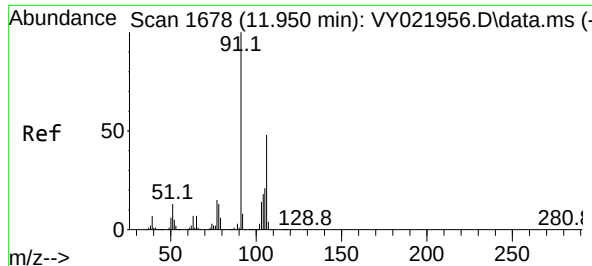
Tgt Ion:106 Resp: 644900

Ion Ratio Lower Upper

106 100

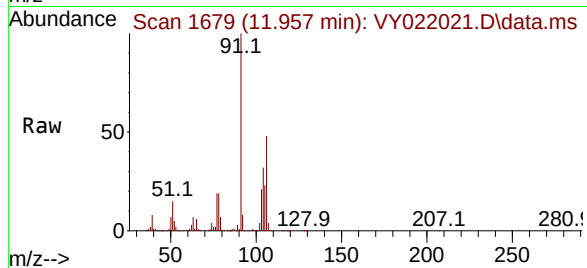
91 192.6 156.2 234.2





#69
o-Xylene
Concen: 50.257 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

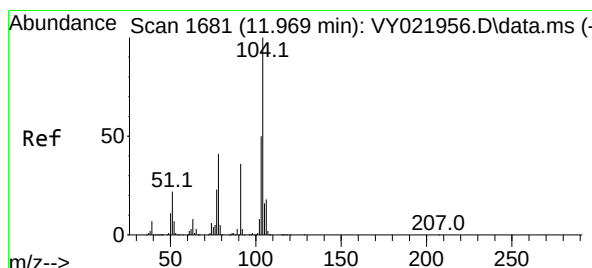
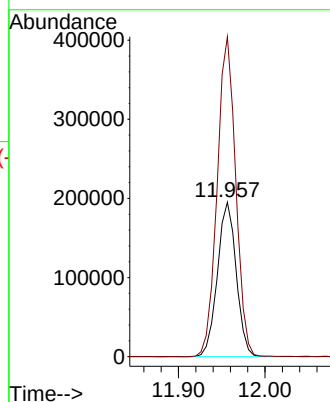
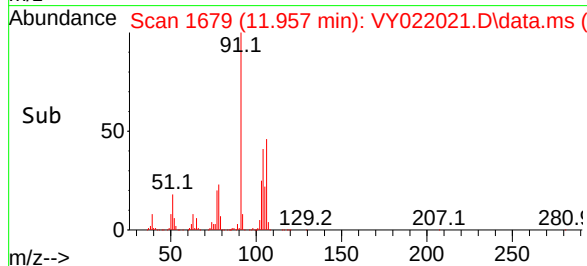
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 294379
Ion Ratio Lower Upper
106 100
91 204.8 103.0 308.9

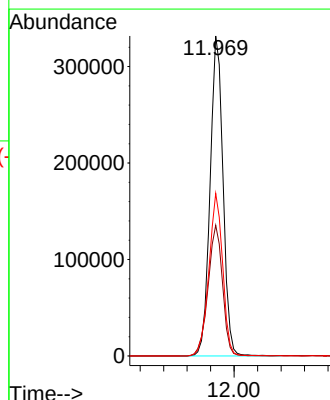
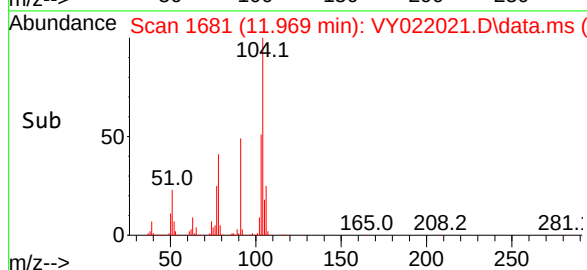
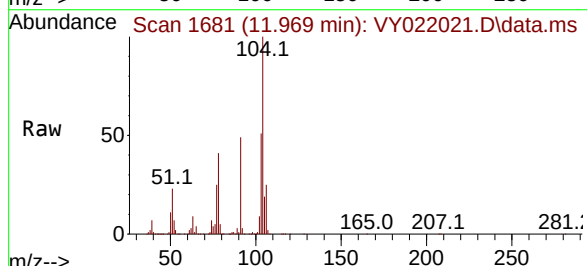
Manual Integrations
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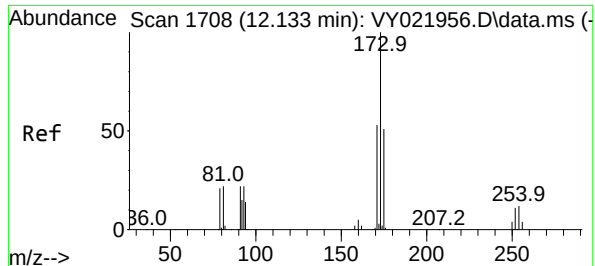
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#70
Styrene
Concen: 51.691 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion:104 Resp: 508377
Ion Ratio Lower Upper
104 100
78 45.4 36.6 54.8
103 54.1 43.8 65.8





#71

Bromoform

Concen: 51.502 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 102919

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

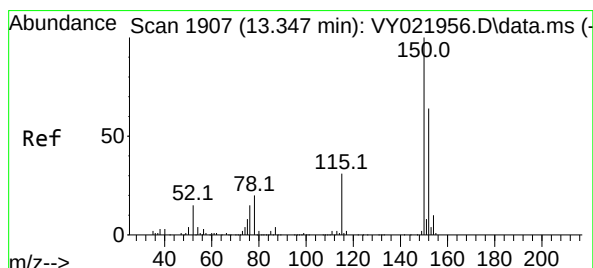
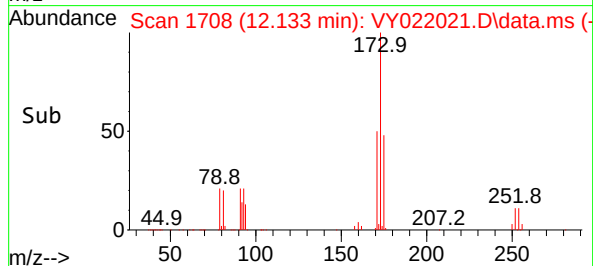
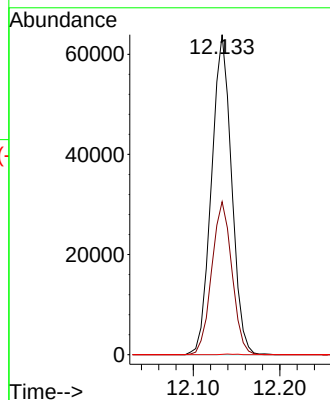
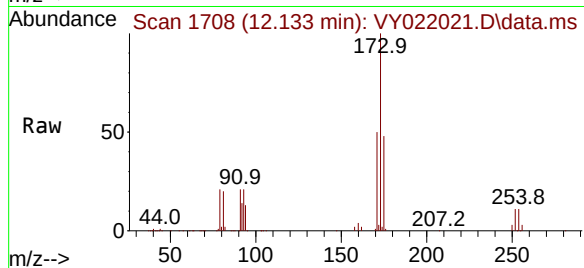
254 0.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

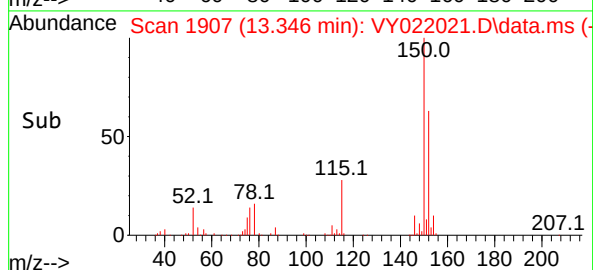
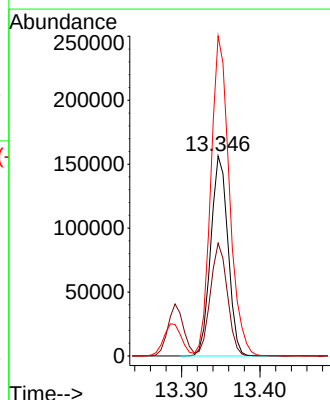
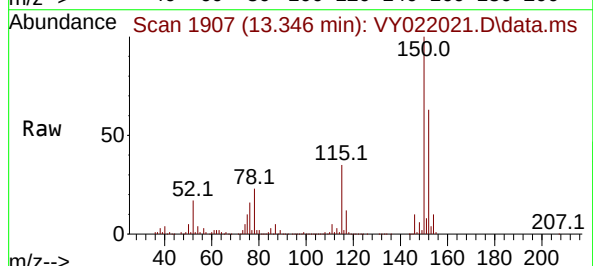
Tgt Ion:152 Resp: 238558

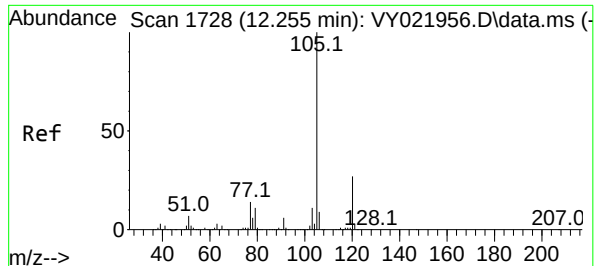
Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 172.0 0.0 345.6





#73

Isopropylbenzene

Concen: 48.321 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 77014

Ion Ratio Lower Upper

105 100

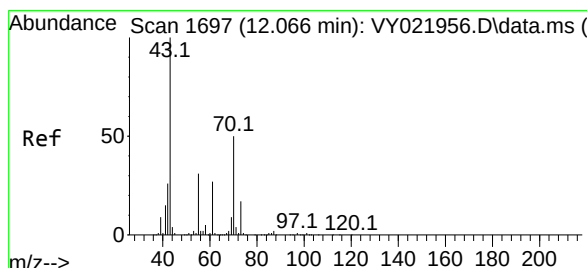
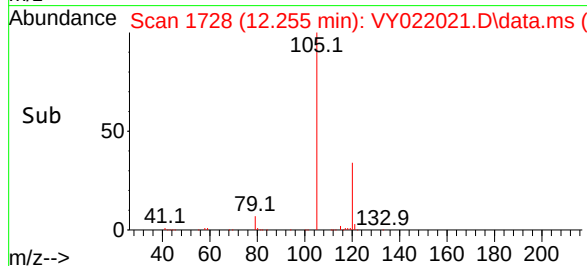
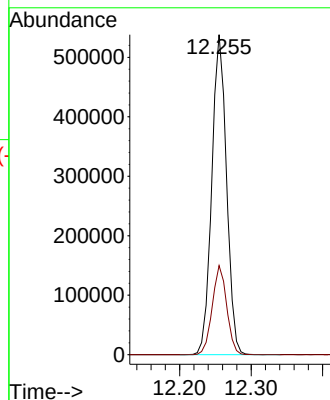
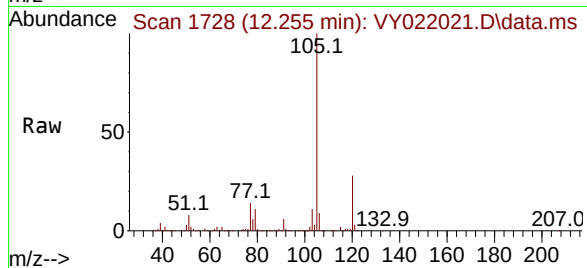
120 27.3 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#74

N-ethyl acetate

Concen: 45.653 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion: 43 Resp: 125014

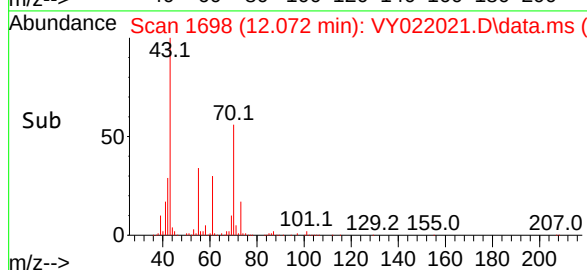
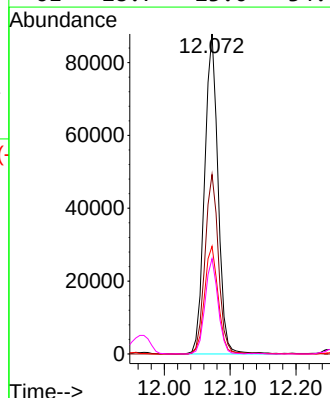
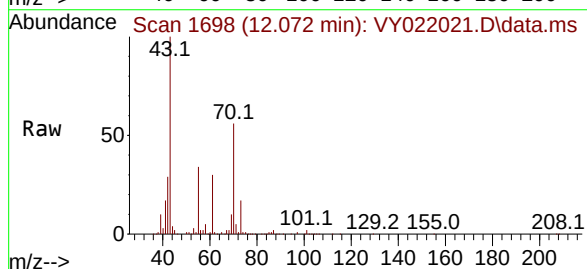
Ion Ratio Lower Upper

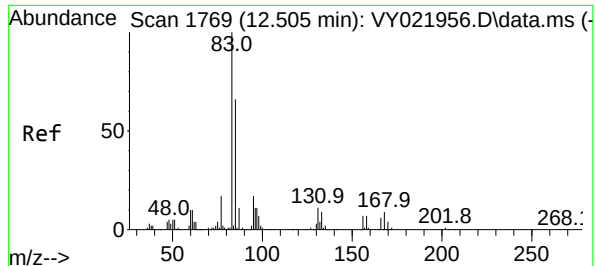
43 100

70 56.2 43.2 64.8

55 34.5 25.7 38.5

61 28.7 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.921 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 128769

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

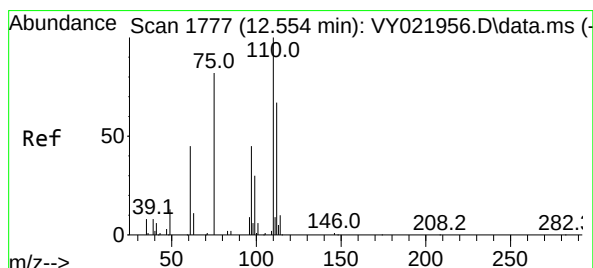
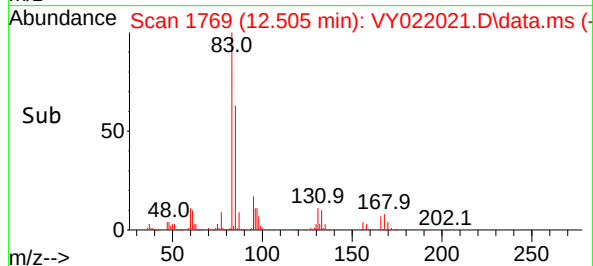
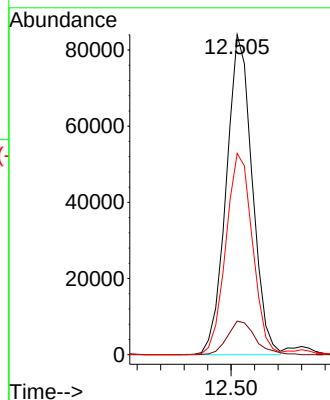
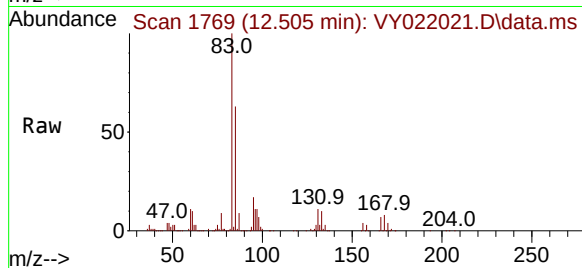
85 65.4 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#76

1,2,3-Trichloropropane

Concen: 47.871 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VY022021.D

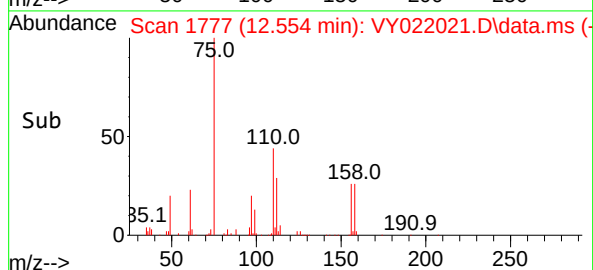
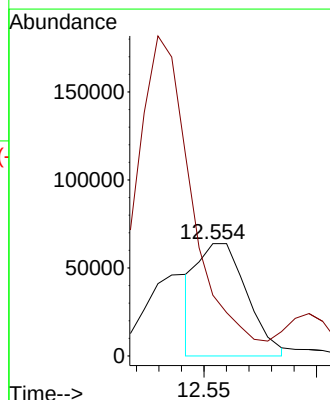
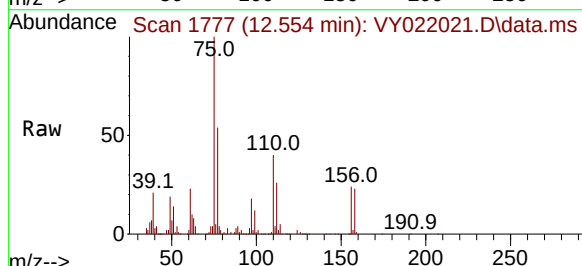
Acq: 28 Apr 2025 09:59

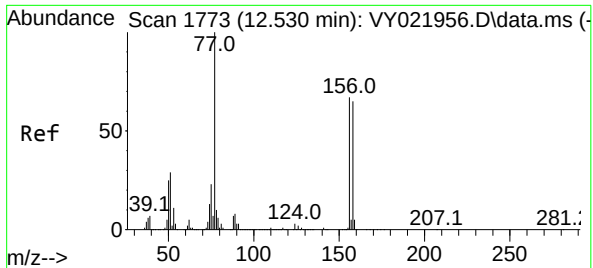
Tgt Ion: 75 Resp: 97818

Ion Ratio Lower Upper

75 100

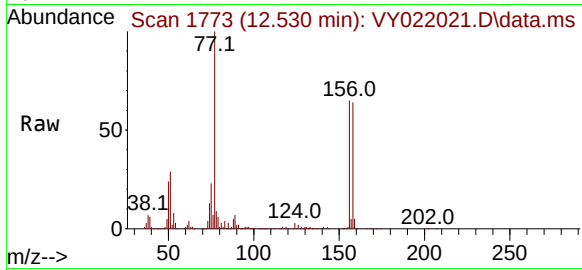
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 48.026 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

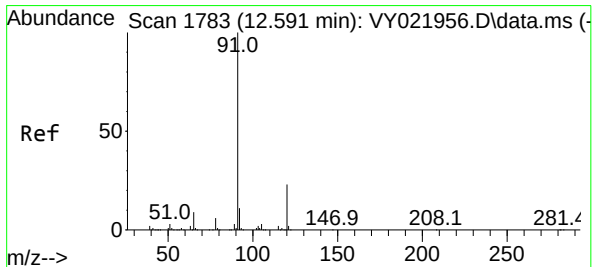
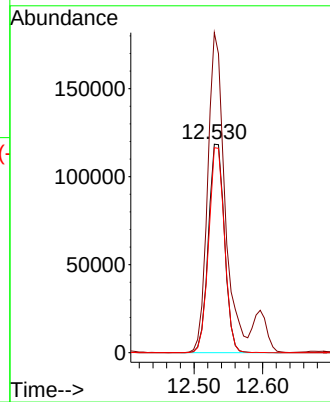
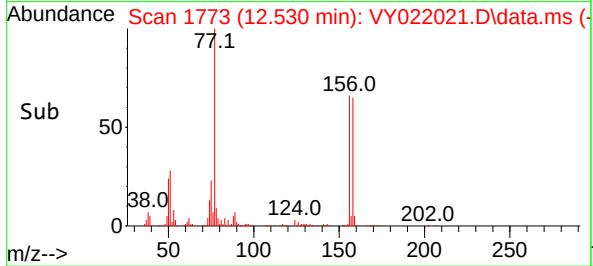
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



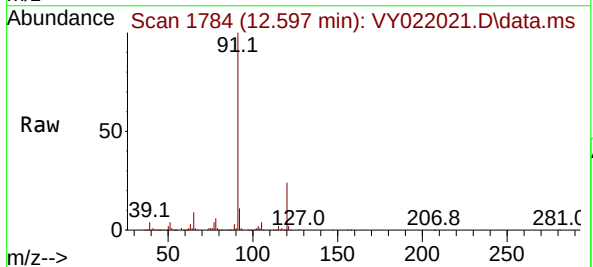
Tgt Ion: 156 Resp: 193410
Ion Ratio Lower Upper
156 100
77 164.1 82.7 248.1
158 97.1 48.1 144.4

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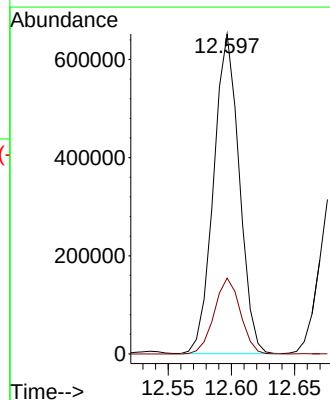
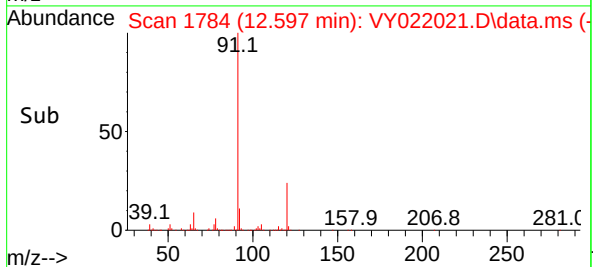
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

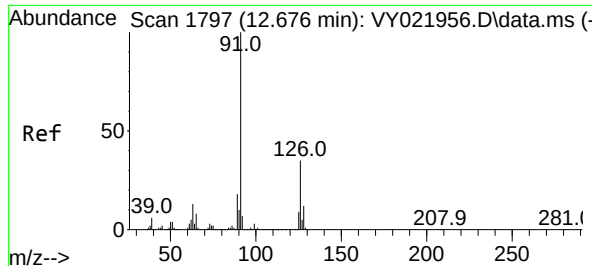


#78
n-propylbenzene
Concen: 48.417 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59



Tgt Ion: 91 Resp: 918990
Ion Ratio Lower Upper
91 100
120 24.1 11.9 35.5





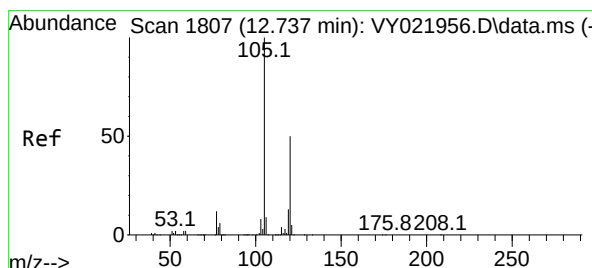
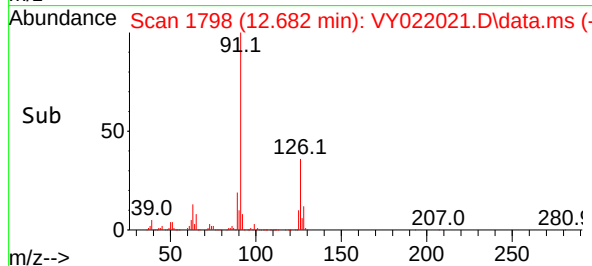
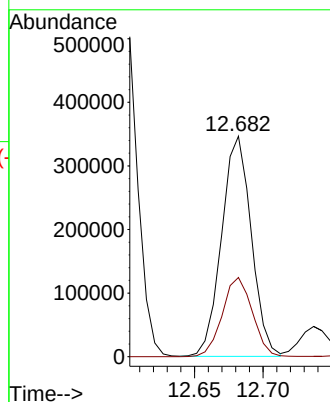
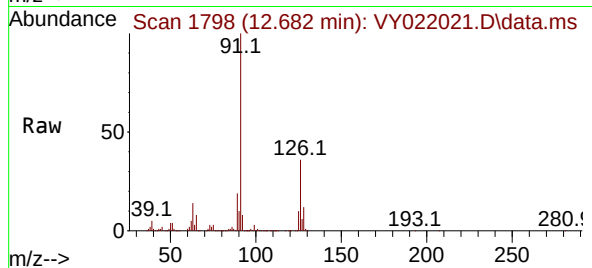
#79
2-Chlorotoluene
Concen: 47.359 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 52277
Ion Ratio Lower Upper
91 100
126 36.4 17.9 53.8

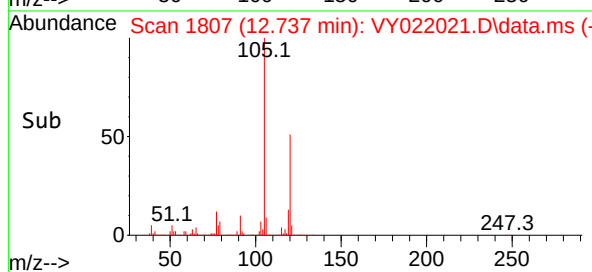
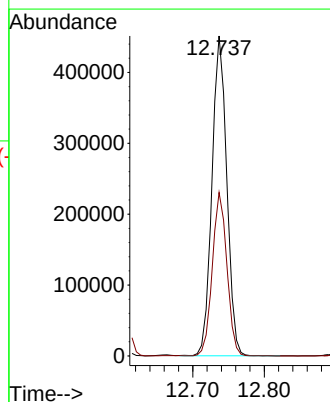
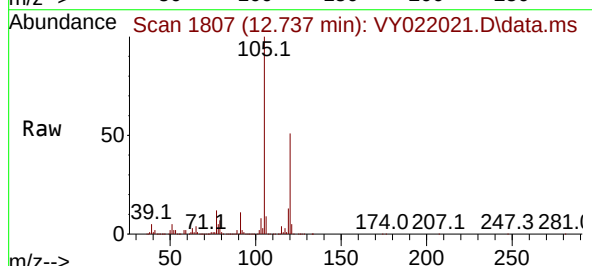
Manual Integrations
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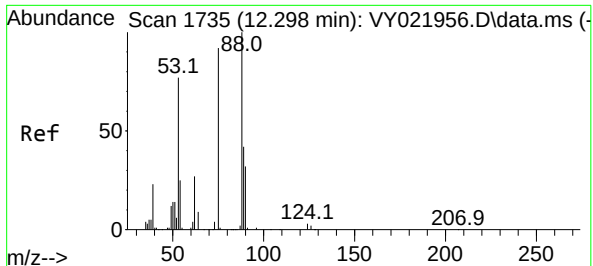
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.434 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion:105 Resp: 649179
Ion Ratio Lower Upper
105 100
120 50.3 25.0 75.0





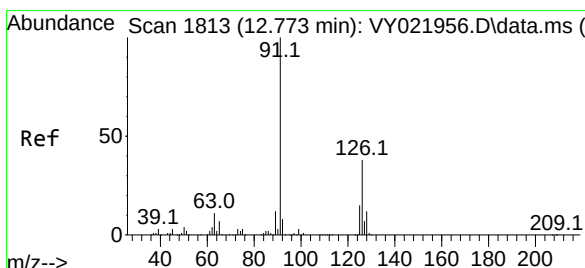
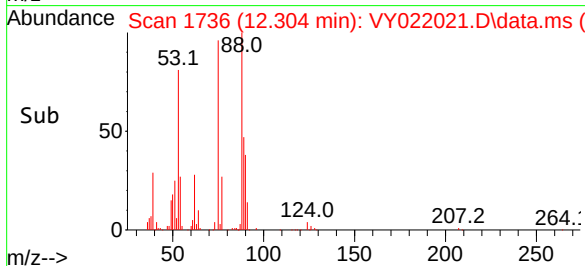
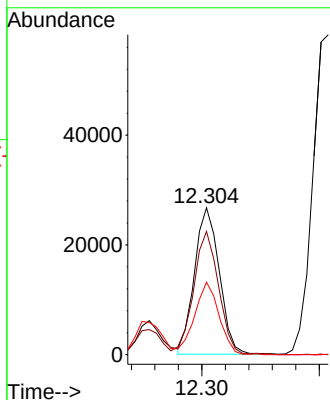
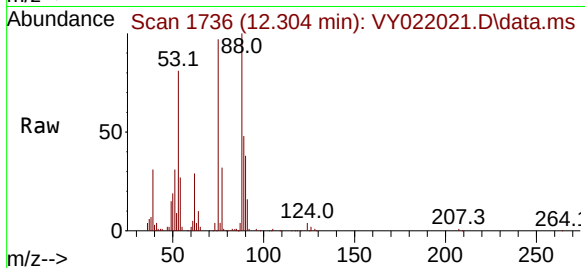
#81
trans-1,4-Dichloro-2-butene
Concen: 46.220 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 39219
Ion Ratio Lower Upper
75 100
53 85.3 66.0 99.0
89 48.4 37.2 55.8

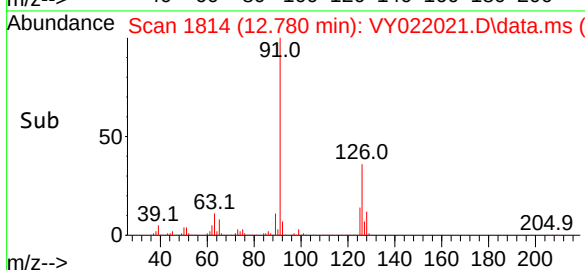
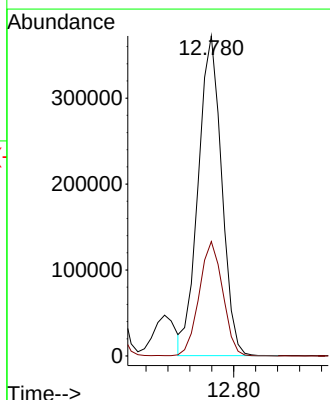
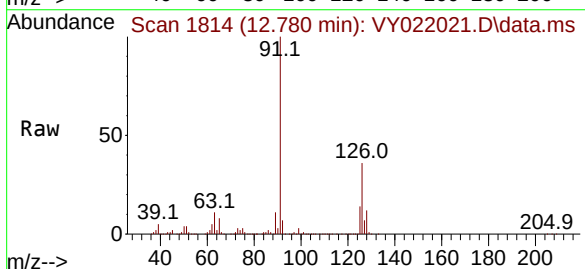
Manual Integrations
APPROVED

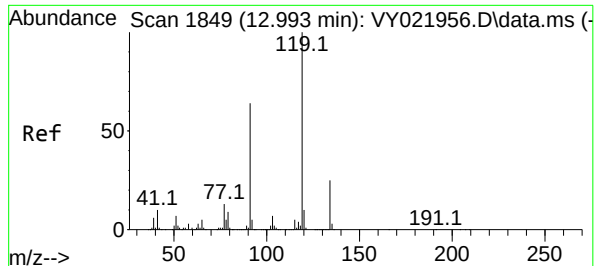
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#82
4-Chlorotoluene
Concen: 48.113 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 91 Resp: 552085
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.8





#83

tert-Butylbenzene

Concen: 47.962 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 56488

Ion Ratio Lower Upper

119 100

91 61.1 30.3 90.9

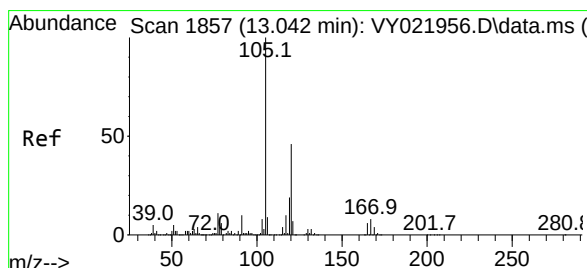
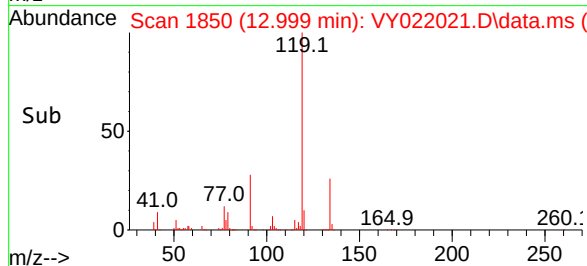
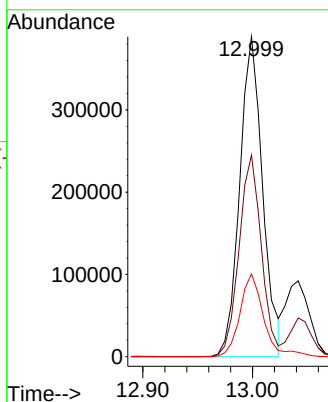
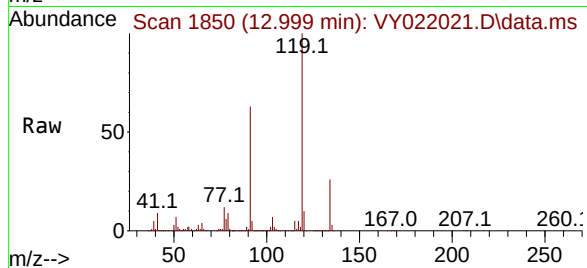
134 26.8 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 49.692 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022021.D

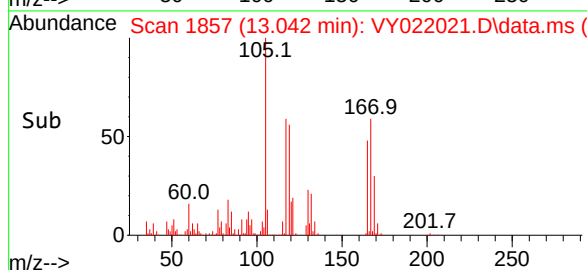
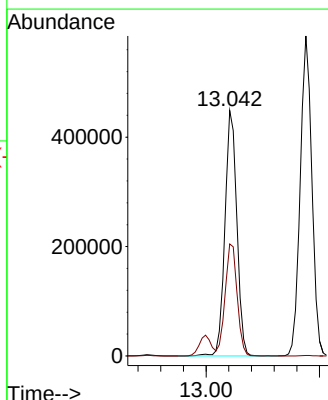
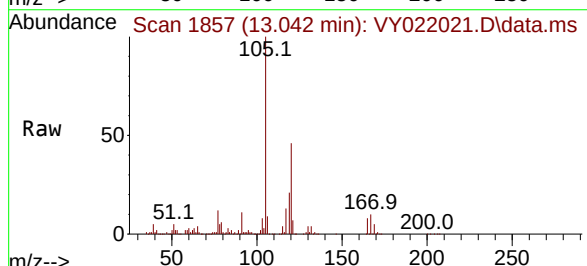
Acq: 28 Apr 2025 09:59

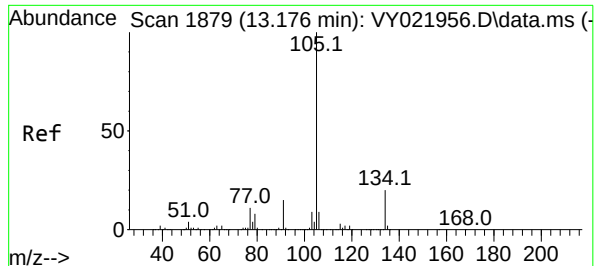
Tgt Ion:105 Resp: 652719

Ion Ratio Lower Upper

105 100

120 45.9 23.4 70.0





#85

sec-Butylbenzene

Concen: 48.338 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 833063

Ion Ratio Lower Upper

105 100

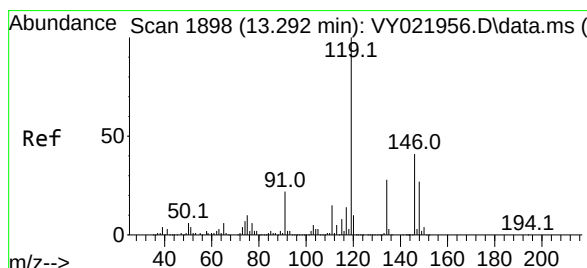
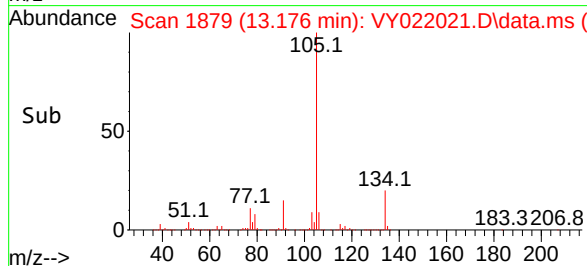
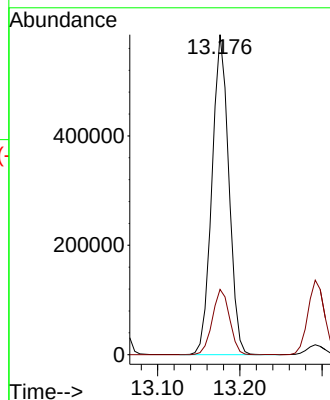
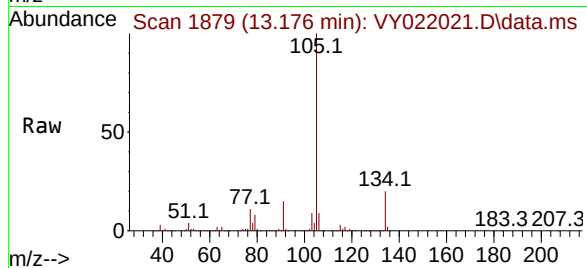
134 20.8 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#86

p-Isopropyltoluene

Concen: 49.118 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

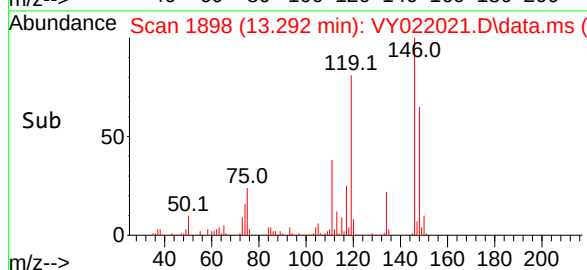
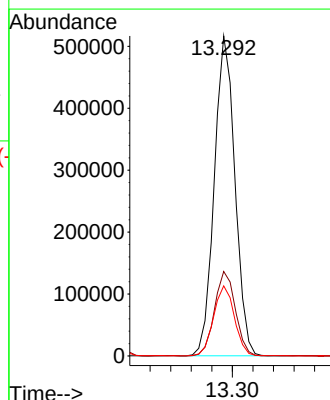
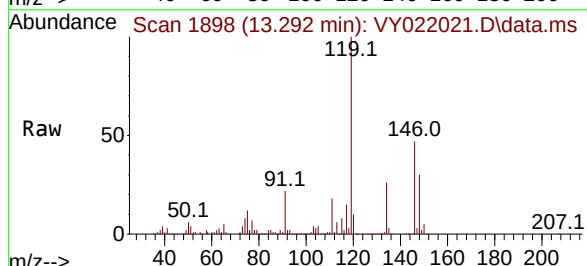
Tgt Ion:119 Resp: 718809

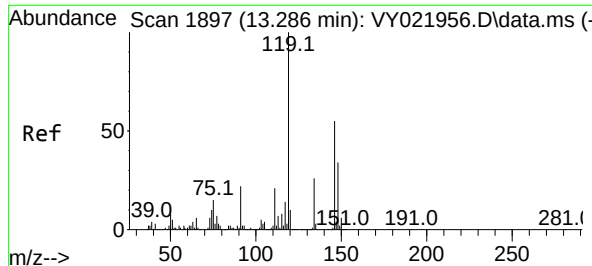
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 22.2 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.150 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

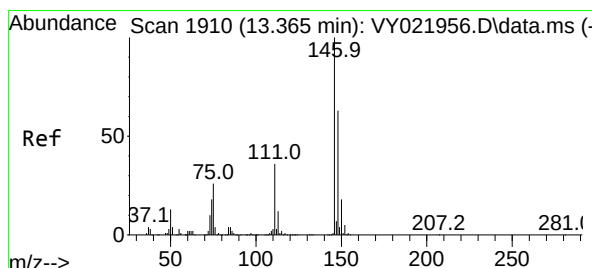
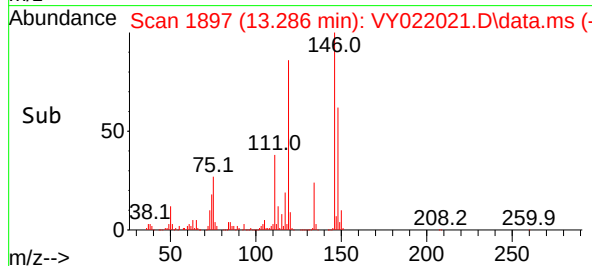
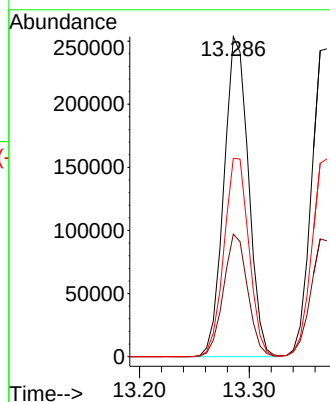
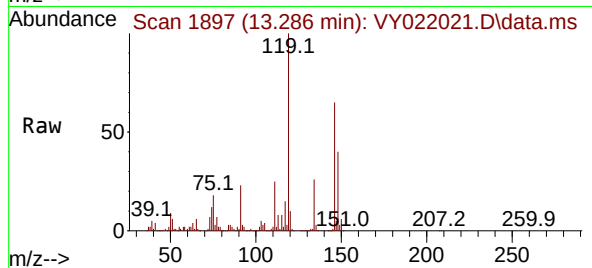
VSTDCCC050

Tgt Ion:	146	Resp:	39385
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	63.1	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :	Semsettin Yesilyurt	04/29/2025
Supervised By :	Mahesh Dadoda	04/29/2025



#88

1,4-Dichlorobenzene

Concen: 47.284 ug/l

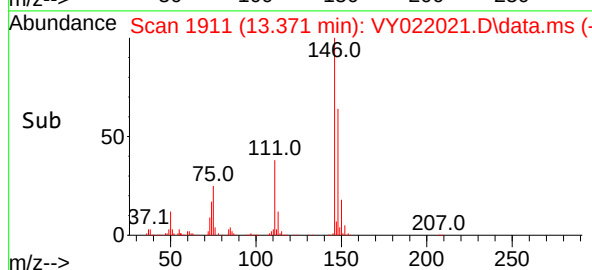
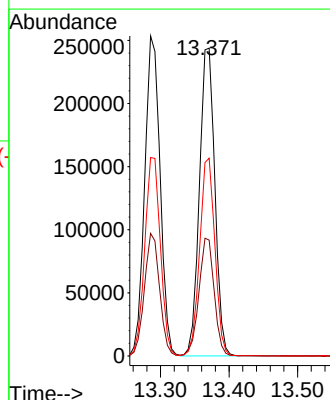
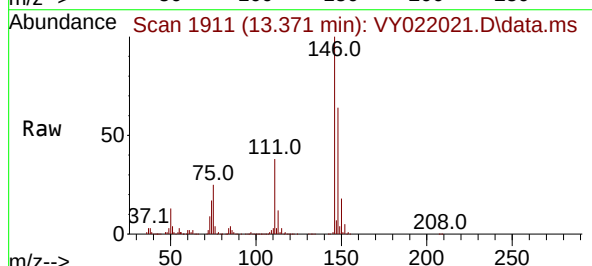
RT: 13.371 min Scan# 1911

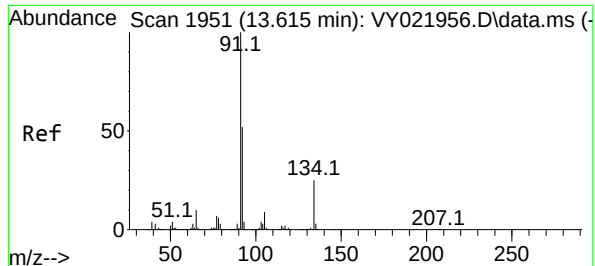
Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Tgt Ion:	146	Resp:	383054
Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.2	57.6
148	63.4	32.0	96.0





#89

n-Butylbenzene

Concen: 47.376 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 619718

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.5

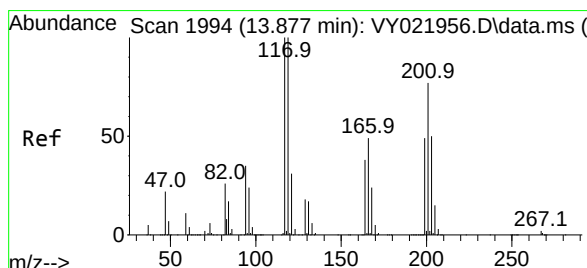
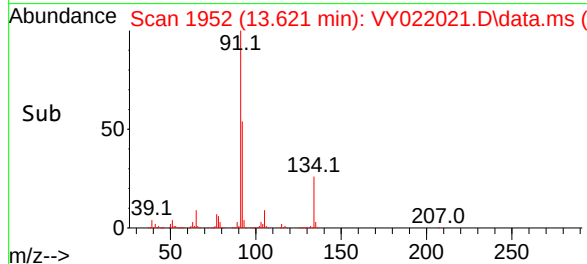
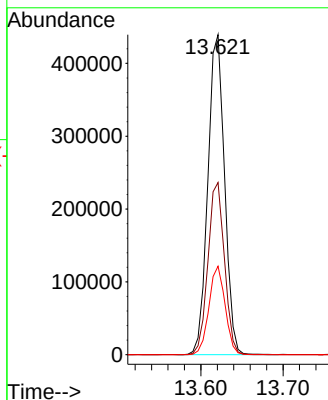
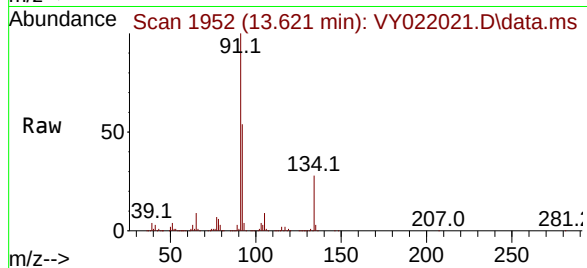
134 26.8 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#90

Hexachloroethane

Concen: 46.466 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022021.D

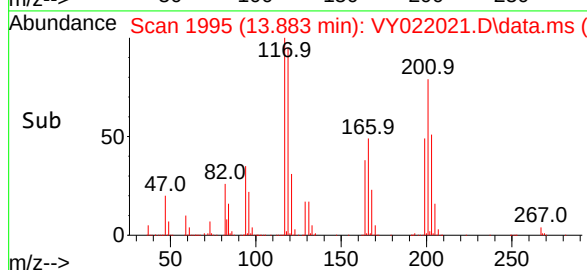
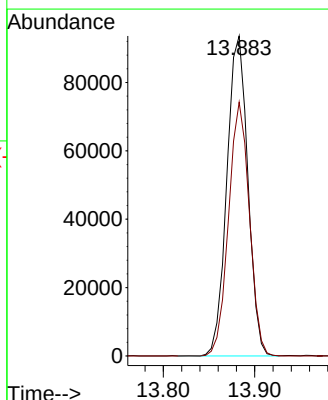
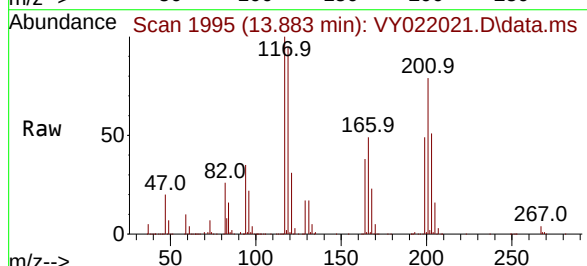
Acq: 28 Apr 2025 09:59

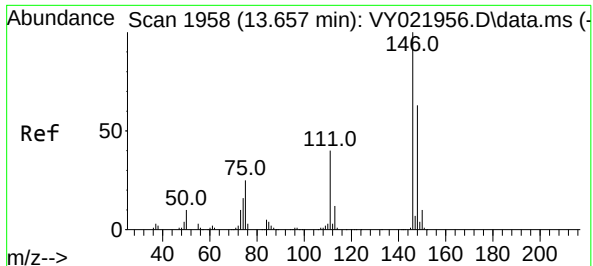
Tgt Ion:117 Resp: 149402

Ion Ratio Lower Upper

117 100

201 78.4 38.7 116.1





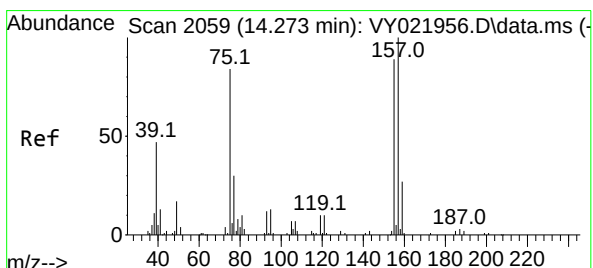
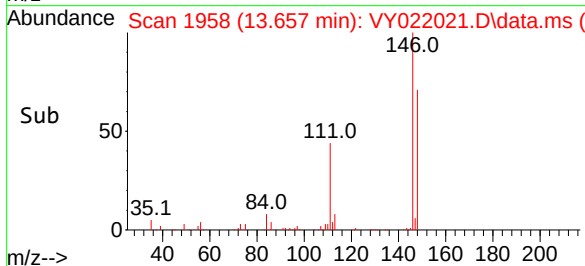
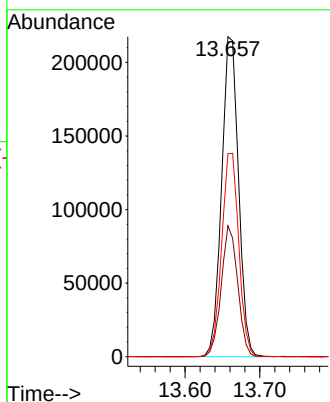
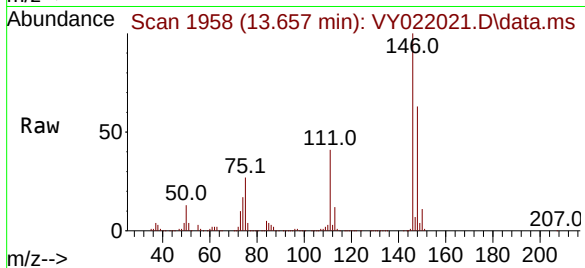
#91
1,2-Dichlorobenzene
Concen: 48.011 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 34252
Ion Ratio Lower Upper
146 100
111 39.8 19.7 59.1
148 64.5 32.1 96.3

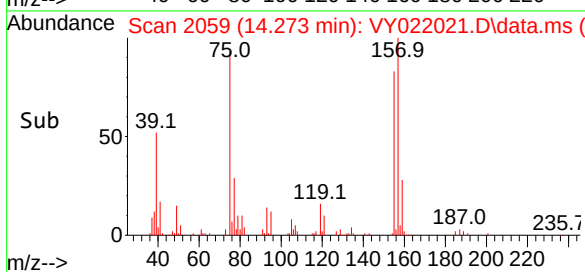
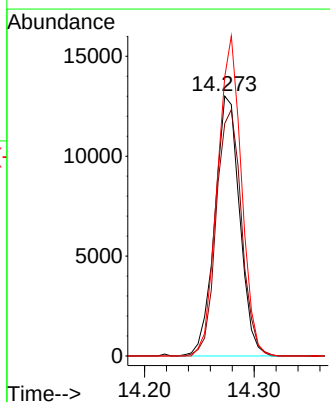
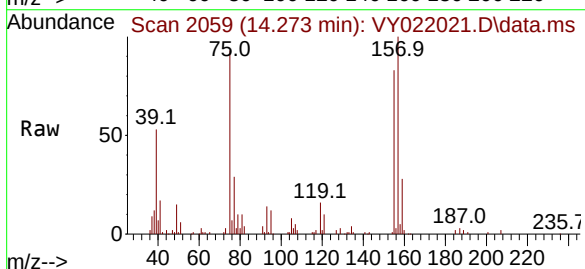
Manual Integrations
APPROVED

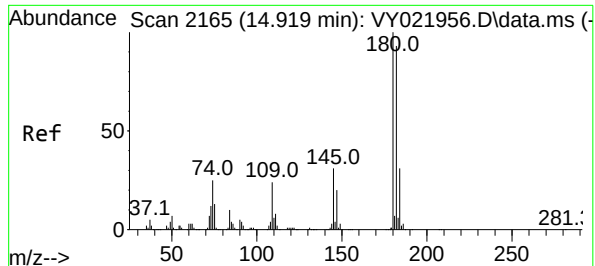
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.111 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022021.D
Acq: 28 Apr 2025 09:59

Tgt Ion: 75 Resp: 20568
Ion Ratio Lower Upper
75 100
155 95.8 50.7 152.3
157 117.7 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 48.066 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 19432

Ion Ratio Lower Upper

180 100

182 94.5 47.1 141.4

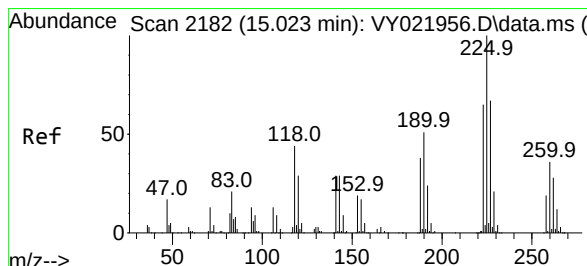
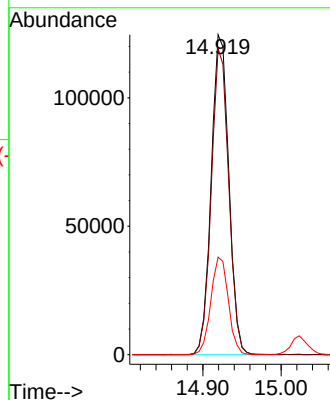
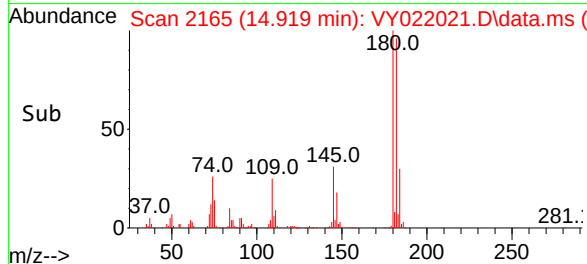
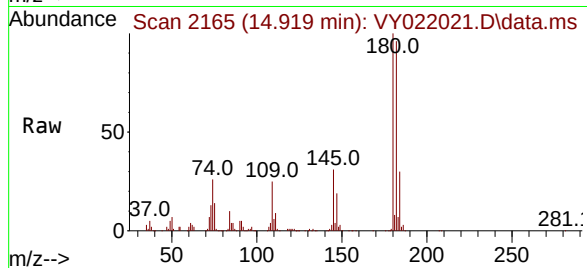
145 30.2 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#94

Hexachlorobutadiene

Concen: 47.878 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

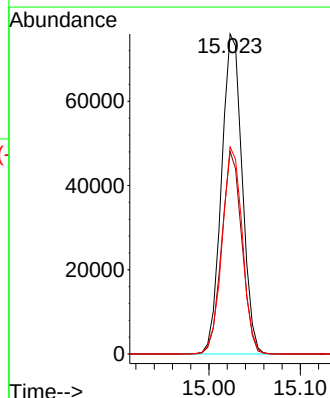
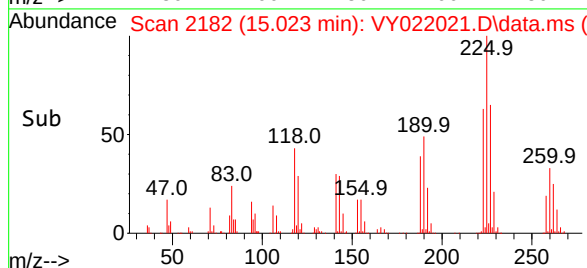
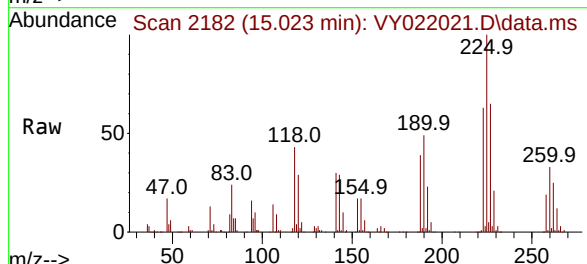
Tgt Ion:225 Resp: 119092

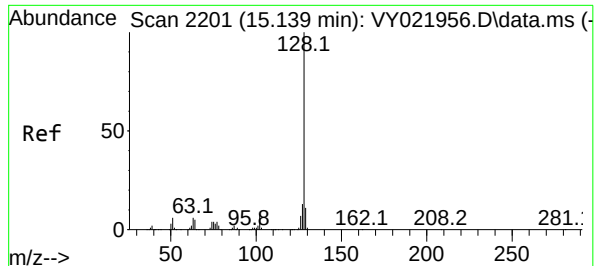
Ion Ratio Lower Upper

225 100

223 61.9 31.9 95.5

227 63.6 32.3 96.9





#95

Naphthalene

Concen: 49.688 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 33369

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

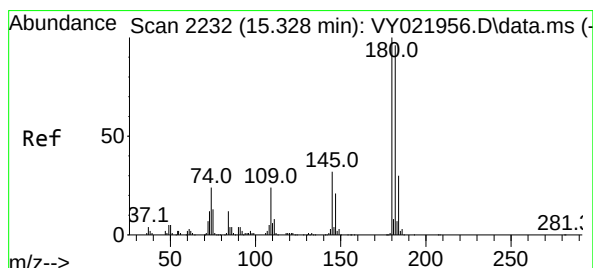
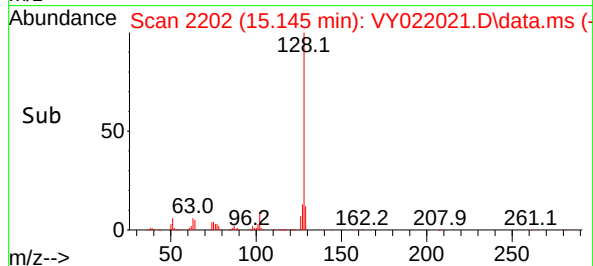
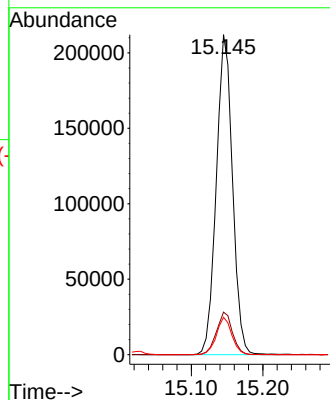
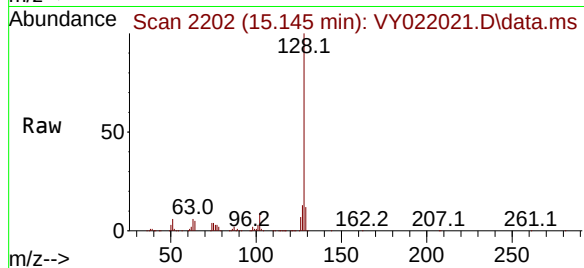
129 11.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#96

1,2,3-Trichlorobenzene

Concen: 49.408 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022021.D

Acq: 28 Apr 2025 09:59

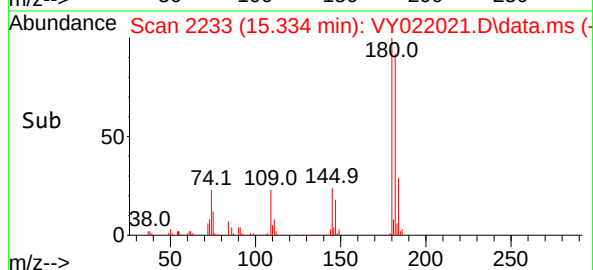
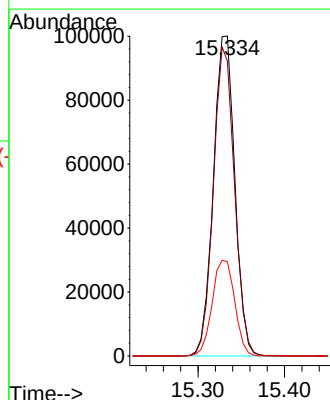
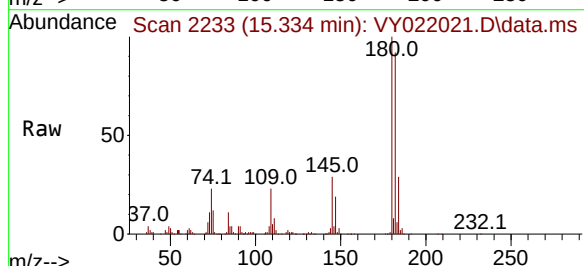
Tgt Ion:180 Resp: 172423

Ion Ratio Lower Upper

180 100

182 94.7 48.1 144.4

145 31.3 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	99	0.00
2 T	Dichlorodifluoromethane	0.426	0.366	14.1	92	0.00
3 P	Chloromethane	0.607	0.548	9.7	90	0.00
4 C	Vinyl Chloride	0.745	0.678	9.0#	92	0.00
5 T	Bromomethane	0.642	0.537	16.4	89	0.00
6 T	Chloroethane	0.508	0.463	8.9	92	0.00
7 T	Trichlorofluoromethane	0.983	0.891	9.4	92	0.00
8 T	Diethyl Ether	0.256	0.223	12.9	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.533	0.478	10.3	96	0.00
10 T	Methyl Iodide	0.617	0.580	6.0	91	0.00
11 T	Tert butyl alcohol	0.025	0.023	8.0	86	-0.01
12 CM	1,1-Dichloroethene	0.497	0.442	11.1#	92	0.00
13 T	Acrolein	0.046	0.025	45.7#	58	0.00
14 T	Allyl chloride	0.579	0.516	10.9	92	0.00
15 T	Acrylonitrile	0.094	0.086	8.5	91	0.00
16 T	Acetone	0.070	0.058	17.1	91	0.00
17 T	Carbon Disulfide	1.585	1.429	9.8	94	0.00
18 T	Methyl Acetate	0.216	0.238	-10.2	105	0.00
19 T	Methyl tert-butyl Ether	1.113	1.036	6.9	90	0.00
20 T	Methylene Chloride	0.584	0.493	15.6	91	0.00
21 T	trans-1,2-Dichloroethene	0.557	0.513	7.9	95	0.01
22 T	Diisopropyl ether	1.288	1.218	5.4	93	0.00
23 T	Vinyl Acetate	0.694	0.637	8.2	88	0.00
24 P	1,1-Dichloroethane	0.893	0.812	9.1	94	0.00
25 T	2-Butanone	0.105	0.096	8.6	90	0.00
26 T	2,2-Dichloropropane	0.782	0.716	8.4	95	0.00
27 T	cis-1,2-Dichloroethene	0.622	0.571	8.2	92	0.00
28 T	Bromochloromethane	0.347	0.325	6.3	93	0.00
29 T	Tetrahydrofuran	0.068	0.067	1.5	90	0.00
30 C	Chloroform	0.990	0.923	6.8#	95	0.00
31 T	Cyclohexane	0.763	0.668	12.5	93	0.00
32 T	1,1,1-Trichloroethane	0.896	0.830	7.4	96	0.00
33 S	1,2-Dichloroethane-d4	0.462	0.422	8.7	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.330	0.326	1.2	92	0.00
36 T	1,1-Dichloropropene	0.444	0.437	1.6	95	0.00
37 T	Ethyl Acetate	0.159	0.157	1.3	90	0.00
38 T	Carbon Tetrachloride	0.530	0.533	-0.6	97	0.00
39 T	Methylcyclohexane	0.558	0.536	3.9	90	0.00
40 TM	Benzene	1.387	1.363	1.7	95	0.00
41 T	Methacrylonitrile	0.087	0.088	-1.1	89	0.00
42 TM	1,2-Dichloroethane	0.343	0.340	0.9	94	0.00
43 T	Isopropyl Acetate	0.306	0.295	3.6	88	0.00
44 TM	Trichloroethene	0.384	0.372	3.1	94	0.00
45 C	1,2-Dichloropropane	0.307	0.301	2.0#	93	0.00
46 T	Dibromomethane	0.192	0.192	0.0	95	0.00
47 T	Bromodichloromethane	0.480	0.481	-0.2	95	0.00
48 T	Methyl methacrylate	0.141	0.144	-2.1	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	93	0.00
50 S	Toluene-d8	1.245	1.244	0.1	90	0.00
51 T	4-Methyl-2-Pentanone	0.160	0.169	-5.6	91	0.00
52 CM	Toluene	0.898	0.912	-1.6#	95	0.00
53 T	t-1,3-Dichloropropene	0.411	0.414	-0.7	92	0.00
54 T	cis-1,3-Dichloropropene	0.489	0.489	0.0	94	0.00
55 T	1,1,2-Trichloroethane	0.256	0.263	-2.7	95	0.00
56 T	Ethyl methacrylate	0.293	0.298	-1.7	88	0.00
57 T	1,3-Dichloropropane	0.411	0.414	-0.7	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.143	0.157	-9.8	91	0.00
59 T	2-Hexanone	0.106	0.113	-6.6	91	0.00
60 T	Dibromochloromethane	0.355	0.367	-3.4	97	0.00
61 T	1,2-Dibromoethane	0.242	0.251	-3.7	97	0.00
62 S	4-Bromofluorobenzene	0.419	0.422	-0.7	92	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64 T	Tetrachloroethene	0.472	0.461	2.3	96	0.00
65 PM	Chlorobenzene	1.118	1.077	3.7	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.392	0.5	97	0.00
67 C	Ethyl Benzene	1.829	1.803	1.4#	94	0.00
68 T	m/p-Xylenes	0.728	0.739	-1.5	96	0.00
69 T	o-Xylene	0.671	0.674	-0.4	93	0.00
70 T	Styrene	1.126	1.164	-3.4	95	0.00
71 P	Bromoform	0.229	0.236	-3.1	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.341	3.228	3.4	94	0.00
74 T	N-amyl acetate	0.574	0.524	8.7	86	0.00
75 P	1,1,2,2-Tetrachloroethane	0.563	0.540	4.1	95	0.00
76 T	1,2,3-Trichloropropane	0.428	0.410	4.2	98	0.00
77 T	Bromobenzene	0.844	0.811	3.9	95	0.00
78 T	n-propylbenzene	3.978	3.852	3.2	94	0.00
79 T	2-Chlorotoluene	2.314	2.191	5.3	93	0.00
80 T	1,3,5-Trimethylbenzene	2.752	2.721	1.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.178	0.164	7.9	90	0.00
82 T	4-Chlorotoluene	2.405	2.314	3.8	94	0.00
83 T	tert-Butylbenzene	2.468	2.368	4.1	92	0.00
84 T	1,2,4-Trimethylbenzene	2.753	2.736	0.6	95	0.00
85 T	sec-Butylbenzene	3.612	3.492	3.3	94	0.00
86 T	p-Isopropyltoluene	3.067	3.013	1.8	94	0.00
87 T	1,3-Dichlorobenzene	1.714	1.651	3.7	97	0.00
88 T	1,4-Dichlorobenzene	1.698	1.606	5.4	96	0.00
89 T	n-Butylbenzene	2.742	2.598	5.3	92	0.00
90 T	Hexachloroethane	0.674	0.626	7.1	95	0.00
91 T	1,2-Dichlorobenzene	1.495	1.436	3.9	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.090	0.086	4.4	99	0.00
93 T	1,2,4-Trichlorobenzene	0.847	0.815	3.8	96	0.00
94 T	Hexachlorobutadiene	0.521	0.499	4.2	101	0.00
95 T	Naphthalene	1.408	1.399	0.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.723	1.1	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	99	0.00
2 T	Dichlorodifluoromethane	50.000	42.991	14.0	92	0.00
3 P	Chloromethane	50.000	45.163	9.7	90	0.00
4 C	Vinyl Chloride	50.000	45.482	9.0#	92	0.00
5 T	Bromomethane	50.000	41.794	16.4	89	0.00
6 T	Chloroethane	50.000	45.558	8.9	92	0.00
7 T	Trichlorofluoromethane	50.000	45.316	9.4	92	0.00
8 T	Diethyl Ether	50.000	43.651	12.7	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	44.780	10.4	96	0.00
10 T	Methyl Iodide	50.000	46.967	6.1	91	0.00
11 T	Tert butyl alcohol	250.000	223.960	10.4	86	-0.01
12 CM	1,1-Dichloroethene	50.000	44.447	11.1#	92	0.00
13 T	Acrolein	250.000	138.423	44.6#	58	0.00
14 T	Allyl chloride	50.000	44.547	10.9	92	0.00
15 T	Acrylonitrile	250.000	229.455	8.2	91	0.00
16 T	Acetone	250.000	238.658	4.5	91	0.00
17 T	Carbon Disulfide	50.000	45.091	9.8	94	0.00
18 T	Methyl Acetate	50.000	55.156	-10.3	105	0.00
19 T	Methyl tert-butyl Ether	50.000	46.559	6.9	90	0.00
20 T	Methylene Chloride	50.000	42.205	15.6	91	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.106	7.8	95	0.01
22 T	Diisopropyl ether	50.000	47.287	5.4	93	0.00
23 T	Vinyl Acetate	250.000	229.383	8.2	88	0.00
24 P	1,1-Dichloroethane	50.000	45.472	9.1	94	0.00
25 T	2-Butanone	250.000	227.698	8.9	90	0.00
26 T	2,2-Dichloropropane	50.000	45.744	8.5	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.895	8.2	92	0.00
28 T	Bromochloromethane	50.000	46.794	6.4	93	0.00
29 T	Tetrahydrofuran	250.000	244.304	2.3	90	0.00
30 C	Chloroform	50.000	46.592	6.8#	95	0.00
31 T	Cyclohexane	50.000	43.769	12.5	93	0.00
32 T	1,1,1-Trichloroethane	50.000	46.308	7.4	96	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.703	8.6	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	49.299	1.4	92	0.00
36 T	1,1-Dichloropropene	50.000	49.257	1.5	95	0.00
37 T	Ethyl Acetate	50.000	49.244	1.5	90	0.00
38 T	Carbon Tetrachloride	50.000	50.250	-0.5	97	0.00
39 T	Methylcyclohexane	50.000	47.952	4.1	90	0.00
40 TM	Benzene	50.000	49.146	1.7	95	0.00
41 T	Methacrylonitrile	50.000	50.745	-1.5	89	0.00
42 TM	1,2-Dichloroethane	50.000	49.487	1.0	94	0.00
43 T	Isopropyl Acetate	50.000	48.136	3.7	88	0.00
44 TM	Trichloroethene	50.000	48.422	3.2	94	0.00
45 C	1,2-Dichloropropane	50.000	49.124	1.8#	93	0.00
46 T	Dibromomethane	50.000	49.917	0.2	95	0.00
47 T	Bromodichloromethane	50.000	50.140	-0.3	95	0.00
48 T	Methyl methacrylate	50.000	51.025	-2.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	990.448	1.0	93	0.00
50 S	Toluene-d8	50.000	49.941	0.1	90	0.00
51 T	4-Methyl-2-Pentanone	250.000	262.978	-5.2	91	0.00
52 CM	Toluene	50.000	50.774	-1.5#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	50.300	-0.6	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.030	-0.1	94	0.00
55 T	1,1,2-Trichloroethane	50.000	51.210	-2.4	95	0.00
56 T	Ethyl methacrylate	50.000	50.883	-1.8	88	0.00
57 T	1,3-Dichloropropane	50.000	50.313	-0.6	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	274.205	-9.7	91	0.00
59 T	2-Hexanone	250.000	266.294	-6.5	91	0.00
60 T	Dibromochloromethane	50.000	51.661	-3.3	97	0.00
61 T	1,2-Dibromoethane	50.000	51.898	-3.8	97	0.00
62 S	4-Bromofluorobenzene	50.000	50.288	-0.6	92	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64 T	Tetrachloroethene	50.000	48.844	2.3	96	0.00
65 PM	Chlorobenzene	50.000	48.139	3.7	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.785	0.4	97	0.00
67 C	Ethyl Benzene	50.000	49.296	1.4#	94	0.00
68 T	m/p-Xylenes	100.000	101.477	-1.5	96	0.00
69 T	o-Xylene	50.000	50.257	-0.5	93	0.00
70 T	Styrene	50.000	51.691	-3.4	95	0.00
71 P	Bromoform	50.000	51.502	-3.0	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	48.321	3.4	94	0.00
74 T	N-amyl acetate	50.000	45.653	8.7	86	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.921	4.2	95	0.00
76 T	1,2,3-Trichloropropane	50.000	47.871	4.3	98	0.00
77 T	Bromobenzene	50.000	48.026	3.9	95	0.00
78 T	n-propylbenzene	50.000	48.417	3.2	94	0.00
79 T	2-Chlorotoluene	50.000	47.359	5.3	93	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.434	1.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.220	7.6	90	0.00
82 T	4-Chlorotoluene	50.000	48.113	3.8	94	0.00
83 T	tert-Butylbenzene	50.000	47.962	4.1	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.692	0.6	95	0.00
85 T	sec-Butylbenzene	50.000	48.338	3.3	94	0.00
86 T	p-Isopropyltoluene	50.000	49.118	1.8	94	0.00
87 T	1,3-Dichlorobenzene	50.000	48.150	3.7	97	0.00
88 T	1,4-Dichlorobenzene	50.000	47.284	5.4	96	0.00
89 T	n-Butylbenzene	50.000	47.376	5.2	92	0.00
90 T	Hexachloroethane	50.000	46.466	7.1	95	0.00
91 T	1,2-Dichlorobenzene	50.000	48.011	4.0	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.111	3.8	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.066	3.9	96	0.00
94 T	Hexachlorobutadiene	50.000	47.878	4.2	101	0.00
95 T	Naphthalene	50.000	49.688	0.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022021.D
Acq On : 28 Apr 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 29 03:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.408	1.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.371		-12.91	20
Chloromethane	0.607	0.532	0.1	-12.36	20
Vinyl Chloride	0.745	0.666		-10.6	20
Ethyl Acetate	0.159	0.152		-4.4	20
Isopropyl Acetate	0.306	0.284		-7.19	20
Bromomethane	0.642	0.514		-19.94	20
Chloroethane	0.508	0.429		-15.55	20
Tetrahydrofuran	0.068	0.063		-7.35	20
Trichlorofluoromethane	0.983	0.856		-12.92	20
1,1,2-Trichlorotrifluoroethane	0.533	0.466		-12.57	20
Tert butyl alcohol	0.025	0.023		-8	20
Diethyl Ether	0.256	0.216		-15.63	20
1,1-Dichloroethene	0.497	0.442		-11.07	20
Acrolein	0.046	0.043		-6.52	20
Acrylonitrile	0.094	0.084		-10.64	20
Acetone	0.070	0.065		-7.14	20
Carbon Disulfide	1.585	1.366		-13.82	20
Methyl tert-butyl Ether	1.113	1.008		-9.43	20
Methyl Acetate	0.216	0.209		-3.24	20
Methylene Chloride	0.584	0.468		-19.86	20
trans-1,2-Dichloroethene	0.557	0.489		-12.21	20
Vinyl Acetate	0.694	0.630		-9.22	20
1,1-Dichloroethane	0.893	0.776	0.1	-13.1	20
Cyclohexane	0.763	0.661		-13.37	20
2-Butanone	0.105	0.098		-6.67	20
Carbon Tetrachloride	0.530	0.509		-3.96	20
2,2-Dichloropropane	0.782	0.709		-9.34	20
cis-1,2-Dichloroethene	0.622	0.558		-10.29	20
Bromochloromethane	0.347	0.322		-7.2	20
Chloroform	0.990	0.877		-11.41	20
1,1,1-Trichloroethane	0.896	0.789		-11.94	20
Methylcyclohexane	0.558	0.529		-5.2	20
1,1-Dichloropropene	0.444	0.412		-7.21	20
Benzene	1.387	1.301		-6.2	20
1,2-Dichloroethane	0.343	0.319		-7	20
Trichloroethene	0.384	0.360		-6.25	20
1,2-Dichloropropane	0.307	0.287		-6.51	20
Dibromomethane	0.192	0.181		-5.73	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromodichloromethane	0.480	0.457		-4.79	20
4-Methyl-2-Pentanone	0.160	0.161		0.63	20
Methyl methacrylate	0.141	0.139		-1.42	20
Toluene	0.898	0.870		-3.12	20
t-1,3-Dichloropropene	0.411	0.393		-4.38	20
cis-1,3-Dichloropropene	0.489	0.462		-5.52	20
1,1,2-Trichloroethane	0.256	0.247		-3.52	20
1,3-Dichloropropane	0.411	0.395		-3.89	20
2-Chloroethyl Vinyl ether	0.143	0.152		6.29	20
2-Hexanone	0.106	0.109		2.83	20
Dibromochloromethane	0.355	0.349		-1.69	20
1,2-Dibromoethane	0.242	0.236		-2.48	20
Tetrachloroethene	0.472	0.449		-4.87	20
Chlorobenzene	1.118	1.034	0.3	-7.51	20
1,1,1,2-Tetrachloroethane	0.394	0.367		-6.85	20
Hexachloroethane	0.674	0.613		-9.05	20
Ethyl Benzene	1.829	1.744		-4.65	20
m/p-Xylenes	0.728	0.712		-2.2	20
o-Xylene	0.671	0.649		-3.28	20
Styrene	1.126	1.110		-1.42	20
Bromoform	0.229	0.224	0.1	-2.18	20
Isopropylbenzene	3.341	3.152		-5.66	20
1,1,2,2-Tetrachloroethane	0.563	0.517	0.3	-8.17	20
1,2,3-Trichloropropane	0.428	0.403		-5.84	20
Bromobenzene	0.844	0.794		-5.92	20
n-propylbenzene	3.978	3.763		-5.41	20
2-Chlorotoluene	2.314	2.139		-7.56	20
1,3,5-Trimethylbenzene	2.752	2.633		-4.32	20
4-Chlorotoluene	2.405	2.260		-6.03	20
tert-Butylbenzene	2.469	2.334		-5.47	20
1,2,4-Trimethylbenzene	2.753	2.637		-4.21	20
sec-Butylbenzene	3.612	3.431		-5.01	20
p-Isopropyltoluene	3.067	2.964		-3.36	20
1,3-Dichlorobenzene	1.714	1.588		-7.35	20
1,4-Dichlorobenzene	1.698	1.573		-7.36	20
n-Butylbenzene	2.742	2.563		-6.53	20
1,2-Dichlorobenzene	1.495	1.376		-7.96	20
1,2-Dibromo-3-Chloropropane	0.090	0.080		-11.11	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.847	0.803		-5.2	20
Hexachlorobutadiene	0.521	0.484		-7.1	20
Naphthalene	1.408	1.372		-2.56	20
1,2,3-Trichlorobenzene	0.731	0.700		-4.24	20
1,2-Dichloroethane-d4	0.462	0.402		-12.99	20
Dibromofluoromethane	0.330	0.314		-4.85	20
Toluene-d8	1.245	1.202		-3.45	20
4-Bromofluorobenzene	0.419	0.404		-3.58	20
N-amyl acetate	0.574	0.524		-8.71	20
Methyl Iodide	0.617	0.574		-6.97	20
Allyl chloride	0.579	0.501		-13.47	20
trans-1,4-Dichloro-2-butene	0.178	0.163		-8.43	20
Methacrylonitrile	0.087	0.072		-17.24	20
Diisopropyl ether	1.288	1.156		-10.25	20
1,4-Dioxane	2.047	2.041	0.05	-0.29	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022046.D
 Acq On : 29 Apr 2025 09:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	330337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	453549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245911	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	132828	43.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.060%
35) Dibromofluoromethane	7.634	113	152279	47.486	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.980%
50) Toluene-d8	10.109	98	583606	48.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.408	95	195893	48.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.260%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	122464	43.507	ug/l	99
3) Chloromethane	2.068	50	175705	43.839	ug/l	99
4) Vinyl Chloride	2.202	62	219850	44.638	ug/l	99
5) Bromomethane	2.598	94	169641	39.979	ug/l	95
6) Chloroethane	2.732	64	141865	42.293	ug/l	98
7) Trichlorofluoromethane	3.056	101	282628	43.517	ug/l	97
8) Diethyl Ether	3.452	74	71445	42.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	153834	43.664	ug/l	99
10) Methyl Iodide	4.001	142	189693	46.504	ug/l	100
11) Tert butyl alcohol	4.872	59	37456	223.602	ug/l	99
12) 1,1-Dichloroethene	3.787	96	145943	44.442	ug/l	98
13) Acrolein	3.653	56	70343	233.968	ug/l	98
14) Allyl chloride	4.385	41	165590	43.306	ug/l	99
15) Acrylonitrile	5.061	53	138019	223.027	ug/l	99
16) Acetone	3.873	43	107650	271.364	ug/l	93
17) Carbon Disulfide	4.104	76	451363	43.107	ug/l	99
18) Methyl Acetate	4.391	43	68974	48.392	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	333065	45.315	ug/l	97
20) Methylene Chloride	4.616	84	154498	40.043	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	161542	43.924	ug/l	98
22) Diisopropyl ether	6.019	45	382029	44.895	ug/l	99
23) Vinyl Acetate	5.958	43	1039804	226.736	ug/l	99
24) 1,1-Dichloroethane	5.915	63	256272	43.448	ug/l	99
25) 2-Butanone	6.896	43	161708	232.499	ug/l	99
26) 2,2-Dichloropropane	6.884	77	234207	45.304	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184250	44.805	ug/l	99
28) Bromochloromethane	7.244	49	106431	46.456	ug/l	97
29) Tetrahydrofuran	7.262	42	104861	232.133	ug/l	97
30) Chloroform	7.421	83	289823	44.298	ug/l	99
31) Cyclohexane	7.701	56	218435	43.306	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	260780	44.057	ug/l	99
36) 1,1-Dichloropropene	7.835	75	200053	46.442	ug/l	99
37) Ethyl Acetate	6.988	43	73636	47.597	ug/l	99
38) Carbon Tetrachloride	7.817	117	247130	48.012	ug/l	97
39) Methylcyclohexane	9.109	83	256540	47.325	ug/l	97
40) Benzene	8.079	78	631609	46.906	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022046.D
 Acq On : 29 Apr 2025 09:28
 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 :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:30:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35008	41.395	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	154947	46.477	ug/l	99
43) Isopropyl Acetate	8.195	43	137822	46.389	ug/l #	85
44) Trichloroethene	8.866	130	174874	46.887	ug/l	98
45) 1,2-Dichloropropane	9.140	63	139252	46.764	ug/l	99
46) Dibromomethane	9.231	93	87764	47.082	ug/l	99
47) Bromodichloromethane	9.426	83	221624	47.592	ug/l	99
48) Methyl methacrylate	9.219	41	67675	49.274	ug/l	98
49) 1,4-Dioxane	9.231	88	19815	997.336	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	390782	250.912	ug/l	100
52) Toluene	10.170	92	422459	48.468	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	190842	47.779	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	224035	47.184	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	119964	48.179	ug/l	97
56) Ethyl methacrylate	10.438	69	142098	49.904	ug/l	99
57) 1,3-Dichloropropane	10.719	76	191688	48.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	367778	264.171	ug/l	99
59) 2-Hexanone	10.762	43	264521	257.500	ug/l	100
60) Dibromochloromethane	10.914	129	169164	49.071	ug/l	100
61) 1,2-Dibromoethane	11.018	107	114653	48.774	ug/l	99
64) Tetrachloroethene	10.646	164	203863	47.647	ug/l	97
65) Chlorobenzene	11.444	112	468931	46.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	166562	46.647	ug/l	99
67) Ethyl Benzene	11.524	91	791052	47.678	ug/l	100
68) m/p-Xylenes	11.627	106	645425	97.760	ug/l	99
69) o-Xylene	11.956	106	294487	48.395	ug/l	98
70) Styrene	11.969	104	503254	49.256	ug/l	99
71) Bromoform	12.133	173	101395	48.842	ug/l #	99
73) Isopropylbenzene	12.255	105	775025	47.173	ug/l	99
74) N-amyl acetate	12.072	43	128926	45.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	127155	45.905	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	99193m	47.092	ug/l	
77) Bromobenzene	12.536	156	195202	47.020	ug/l	98
78) n-propylbenzene	12.597	91	925377	47.296	ug/l	100
79) 2-Chlorotoluene	12.682	91	525989	46.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	647472	47.830	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	40197	45.956	ug/l	99
82) 4-Chlorotoluene	12.779	91	555774	46.986	ug/l	100
83) tert-Butylbenzene	12.999	119	573871	47.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	648390	47.887	ug/l	99
85) sec-Butylbenzene	13.176	105	843779	47.496	ug/l	100
86) p-Isopropyltoluene	13.292	119	728842	48.314	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	390607	46.325	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	386869	46.327	ug/l	98
89) n-Butylbenzene	13.621	91	630349	46.748	ug/l	99
90) Hexachloroethane	13.883	117	150746	45.482	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	338387	46.013	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19628	44.539	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	197372	47.361	ug/l	99
94) Hexachlorobutadiene	15.023	225	118961	46.396	ug/l	99
95) Naphthalene	15.145	128	337462	48.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	172242	47.880	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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

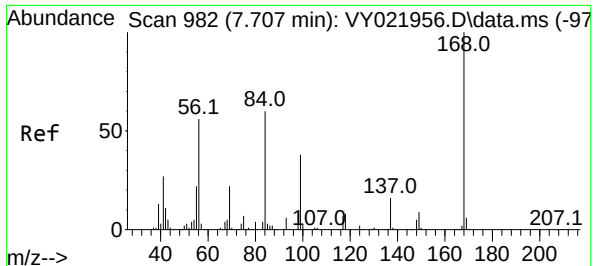
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025





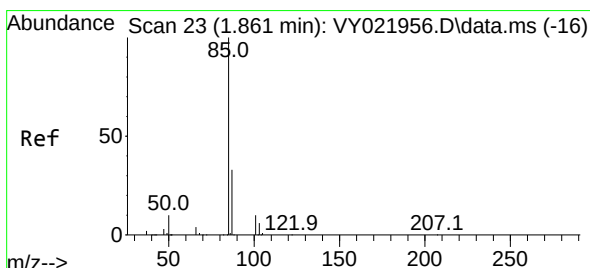
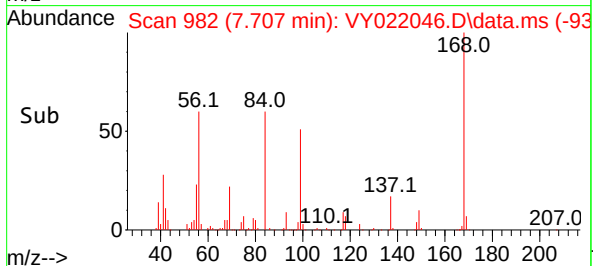
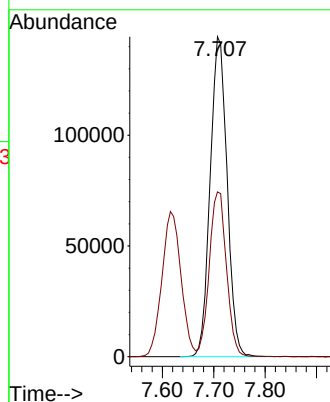
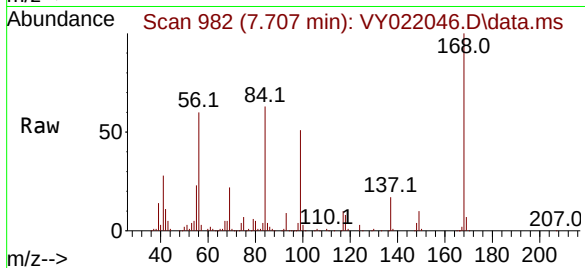
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 168 Resp: 33033
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7

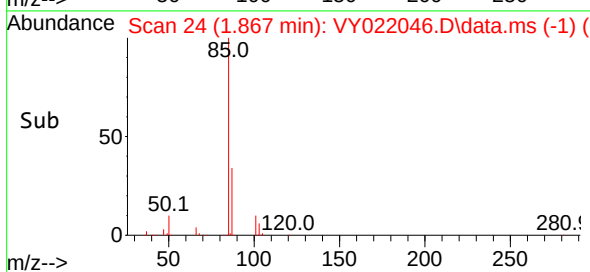
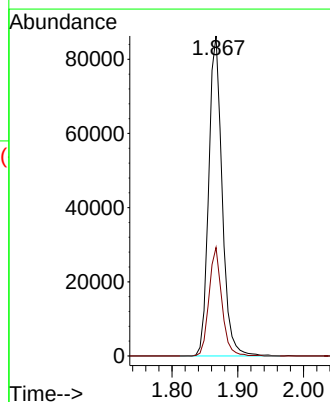
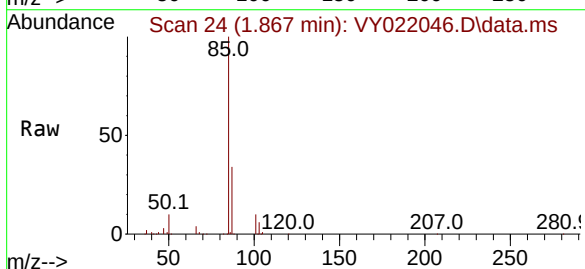
Manual Integrations
APPROVED

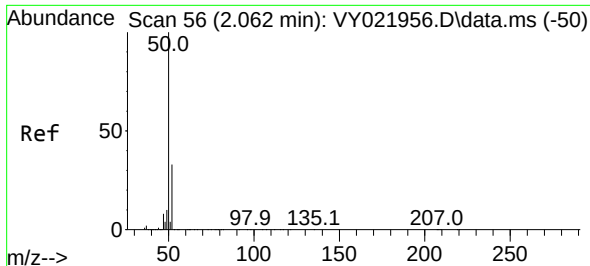
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 43.507 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 85 Resp: 122464
Ion Ratio Lower Upper
85 100
87 33.9 16.6 49.7





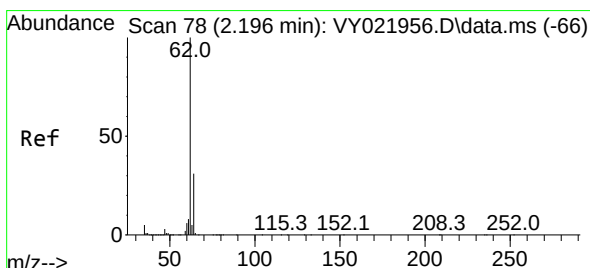
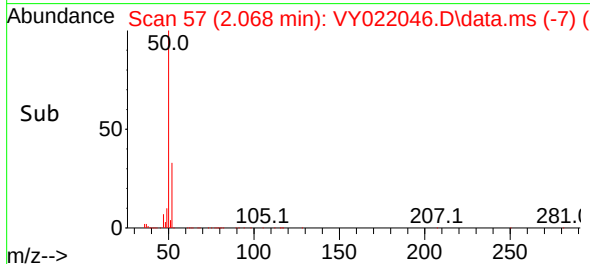
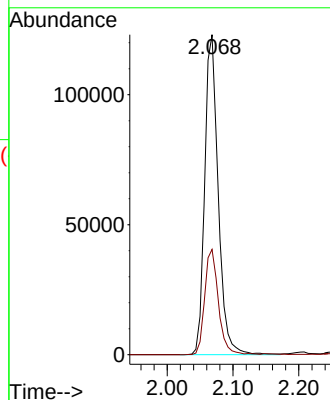
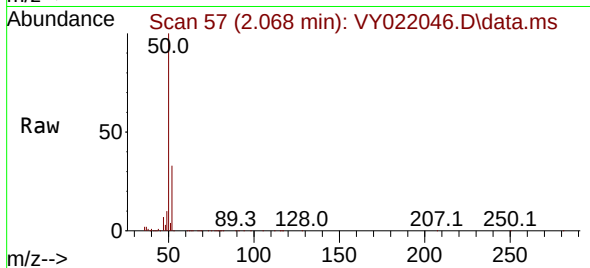
#3
Chloromethane
Concen: 43.839 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 17570
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1

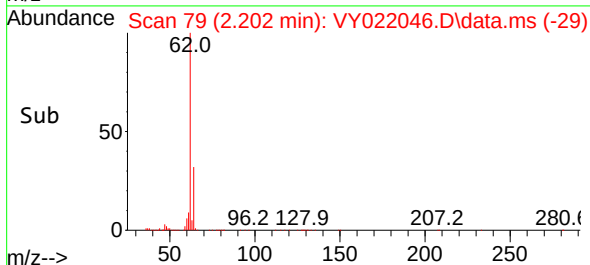
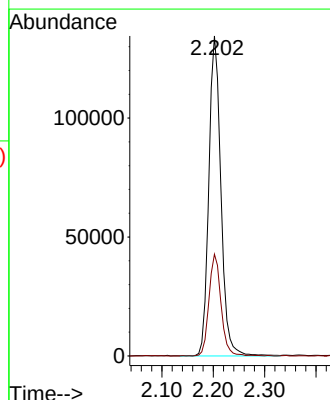
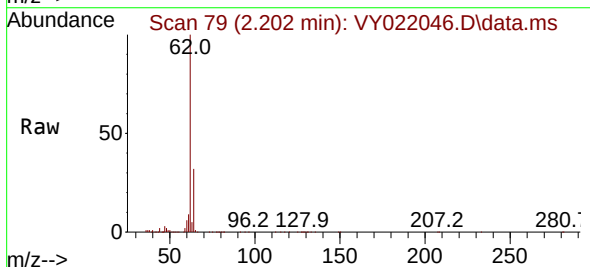
Manual Integrations
APPROVED

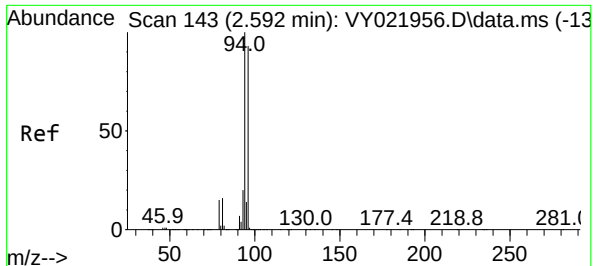
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Vinyl Chloride
Concen: 44.638 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 219850
Ion Ratio Lower Upper
62 100
64 31.8 25.1 37.7





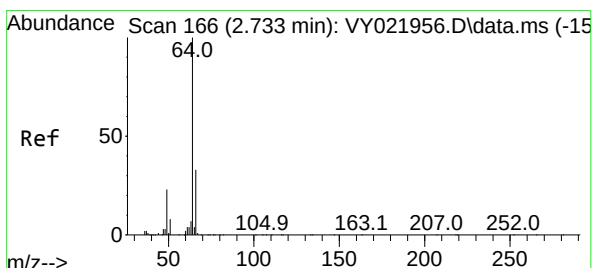
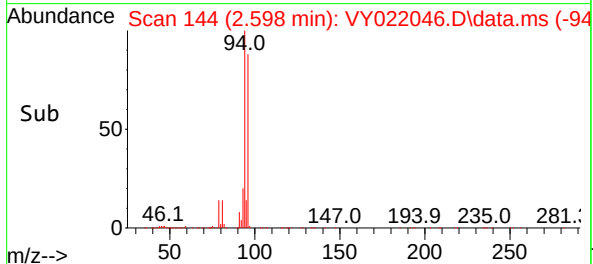
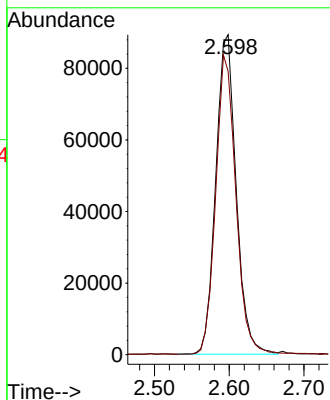
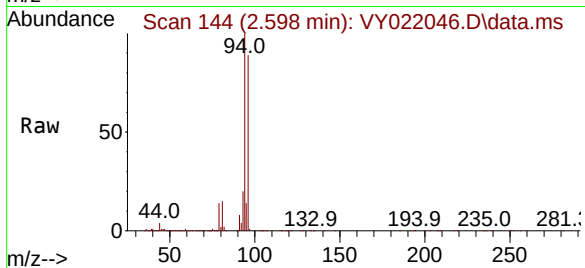
#5
Bromomethane
Concen: 39.979 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 16964
Ion Ratio Lower Upper
94 100
96 88.5 74.6 111.8

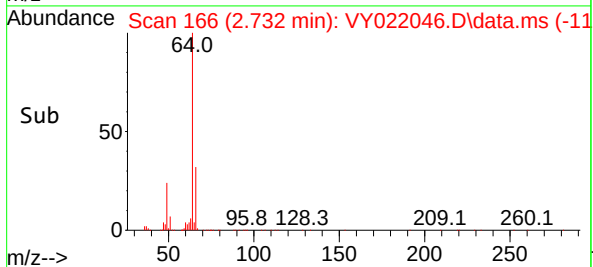
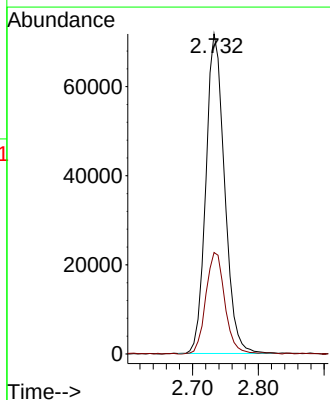
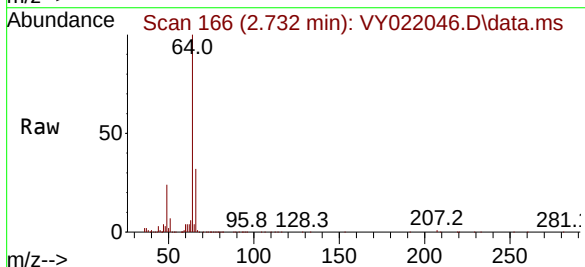
Manual Integrations
APPROVED

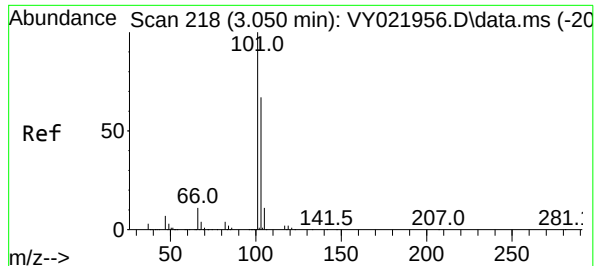
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#6
Chloroethane
Concen: 42.293 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

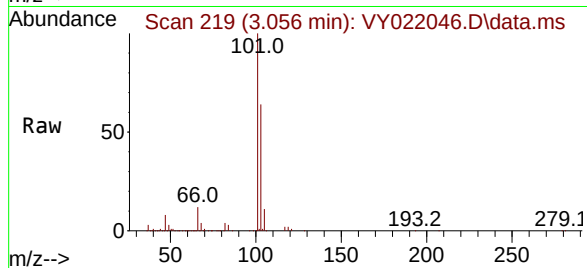
Tgt Ion: 64 Resp: 141865
Ion Ratio Lower Upper
64 100
66 31.8 26.2 39.4





#7
Trichlorofluoromethane
Concen: 43.517 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

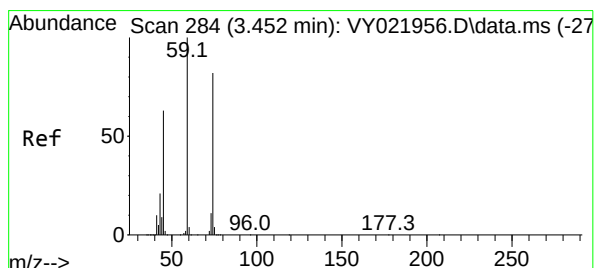
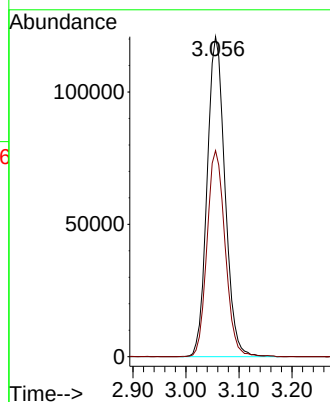
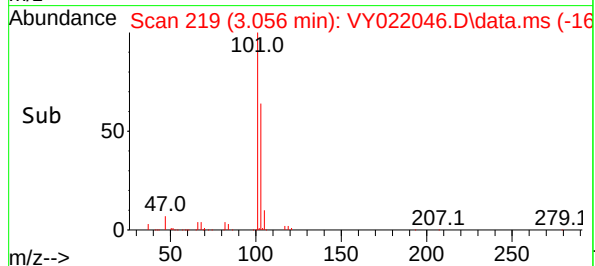
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



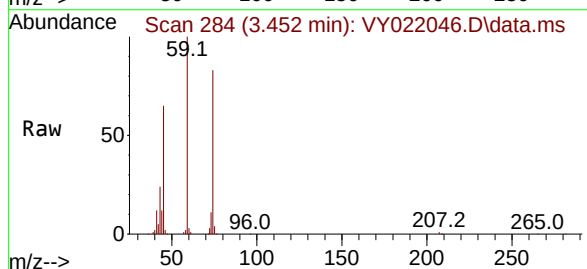
Tgt Ion: 101 Resp: 282628
Ion Ratio Lower Upper
101 100
103 64.3 53.6 80.4

Manual Integrations
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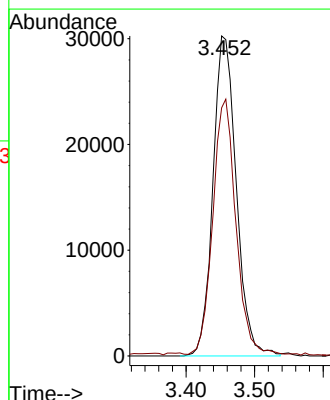
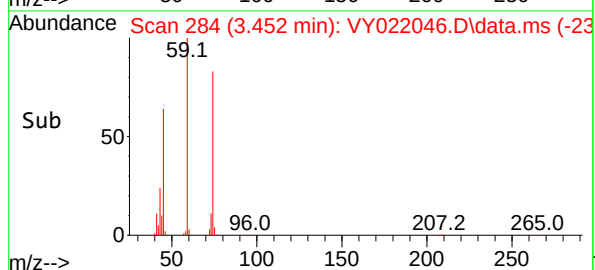
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

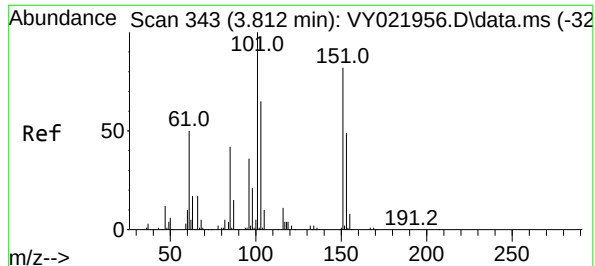


#8
Diethyl Ether
Concen: 42.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28



Tgt Ion: 74 Resp: 71445
Ion Ratio Lower Upper
74 100
45 79.3 39.1 117.5





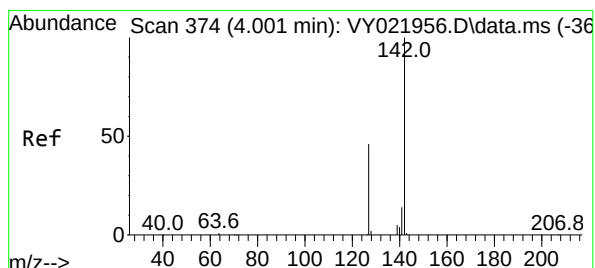
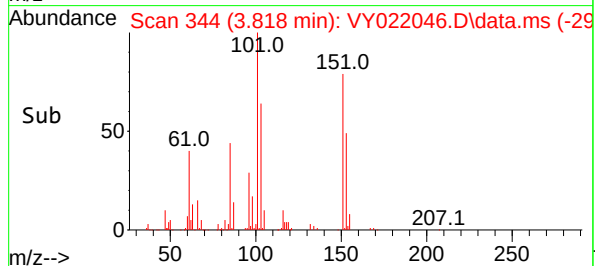
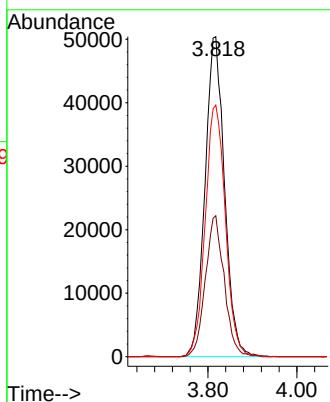
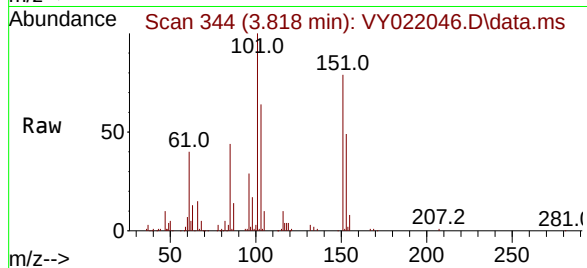
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.664 ug/l
RT: 3.818 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050

Tgt Ion:101 Resp: 153834
Ion Ratio Lower Upper
101 100
85 42.7 34.6 51.8
151 81.2 63.7 95.5

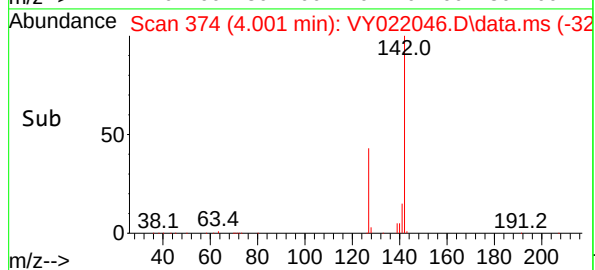
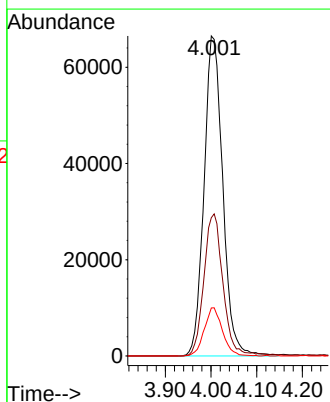
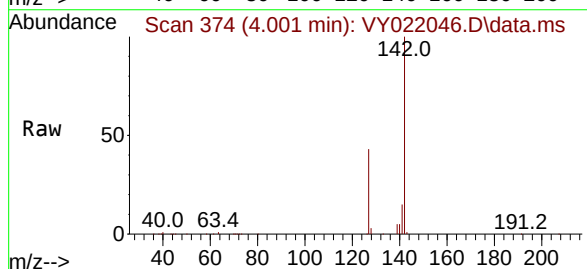
Manual Integrations
APPROVED

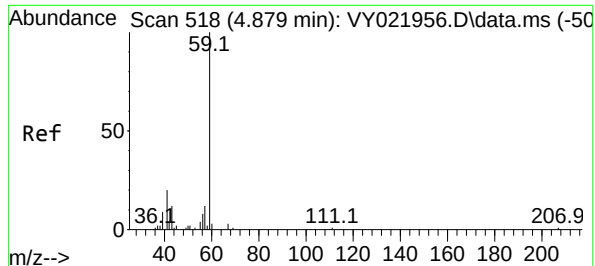
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#10
Methyl Iodide
Concen: 46.504 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:142 Resp: 189693
Ion Ratio Lower Upper
142 100
127 45.2 36.2 54.2
141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 223.602 ug/l

RT: 4.872 min Scan# 518

Delta R.T. -0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 37450

Ion Ratio Lower Upper

59 100

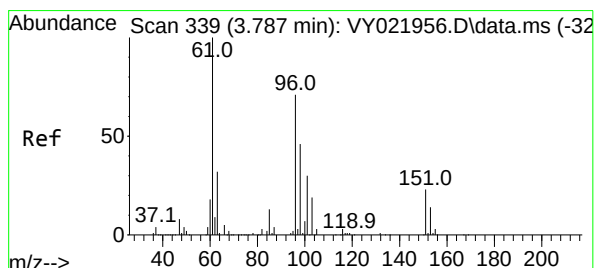
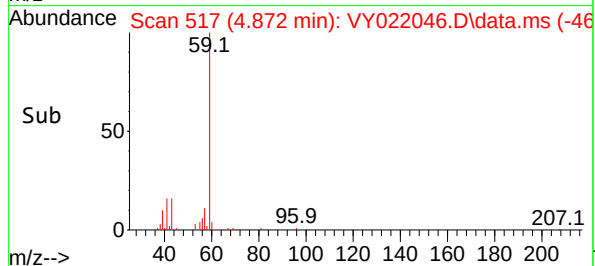
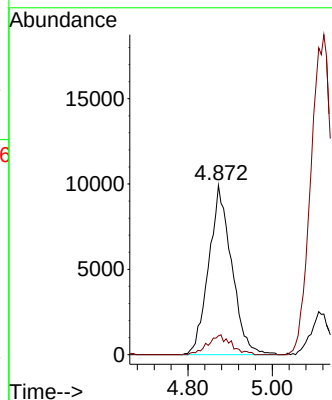
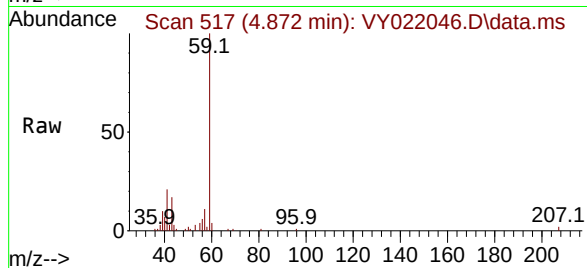
57 12.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#12

1,1-Dichloroethene

Concen: 44.442 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

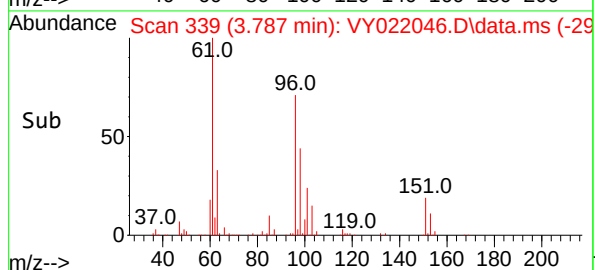
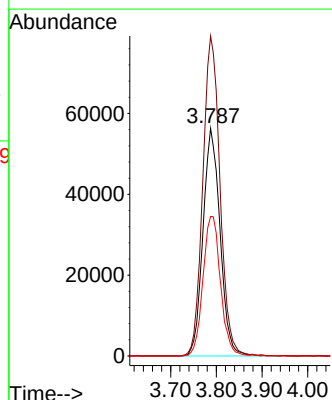
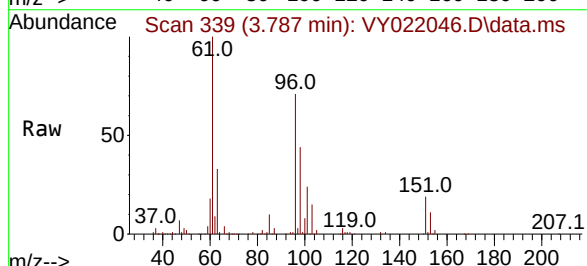
Tgt Ion: 96 Resp: 145943

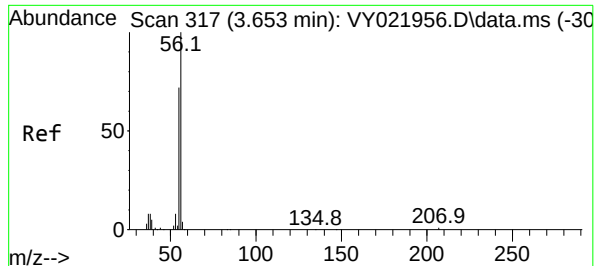
Ion Ratio Lower Upper

96 100

61 140.5 113.0 169.4

98 61.2 51.4 77.2





#13

Acrolein

Concen: 233.968 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 56 Resp: 7034

Ion Ratio Lower Upper

56 100

55 69.9 57.4 86.0

Instrument :

MSVOA_Y

ClientSampleId :

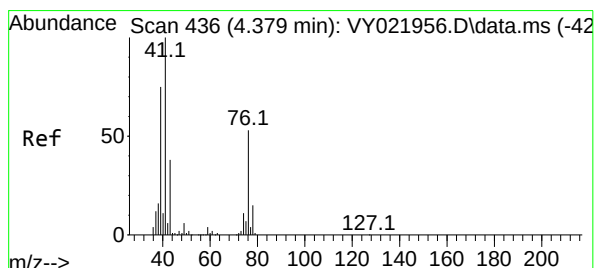
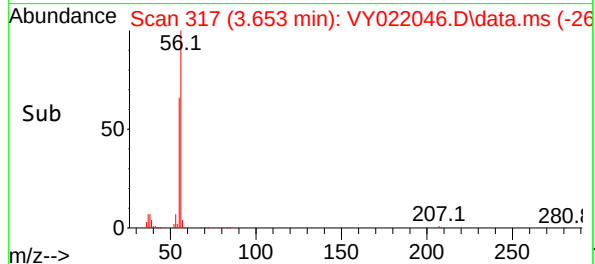
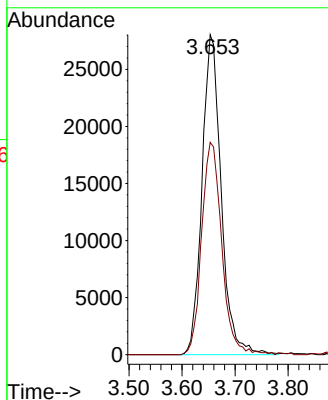
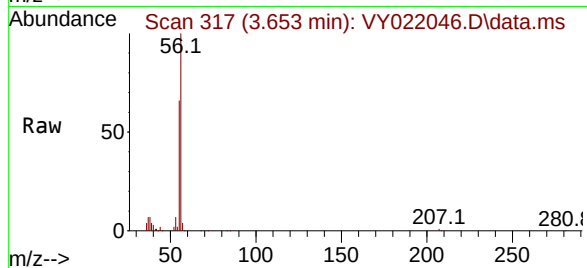
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#14

Allyl chloride

Concen: 43.306 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

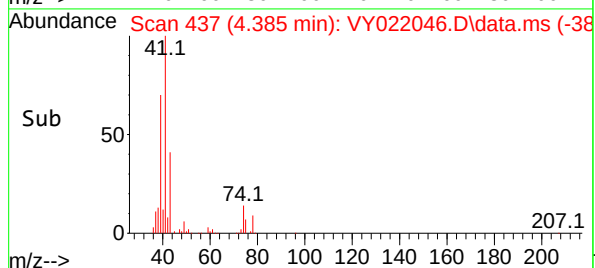
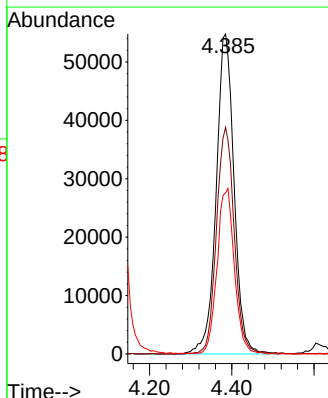
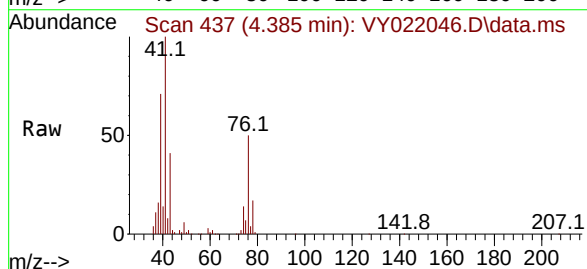
Tgt Ion: 41 Resp: 165590

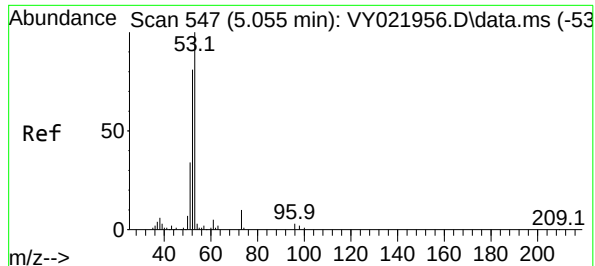
Ion Ratio Lower Upper

41 100

39 70.4 57.2 85.8

76 50.2 39.7 59.5





#15

Acrylonitrile

Concen: 223.027 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 138019

Ion Ratio Lower Upper

53 100

52 81.0 65.0 97.6

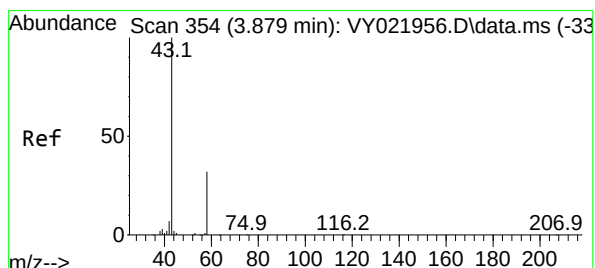
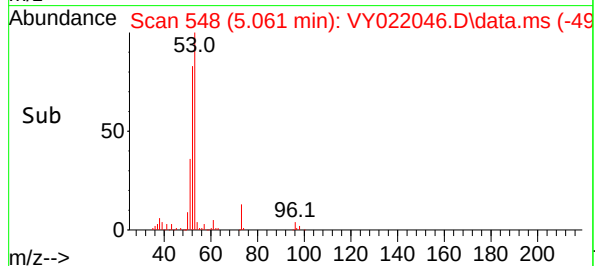
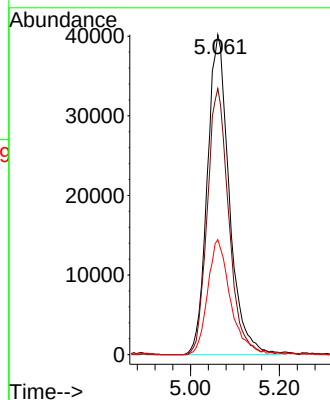
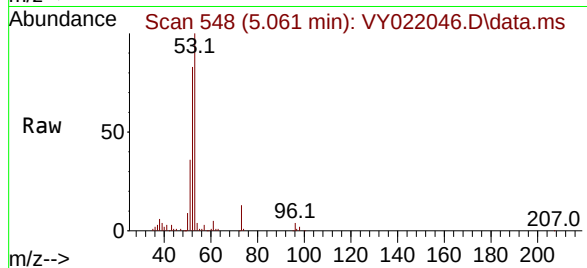
51 37.3 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#16

Acetone

Concen: 271.364 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022046.D

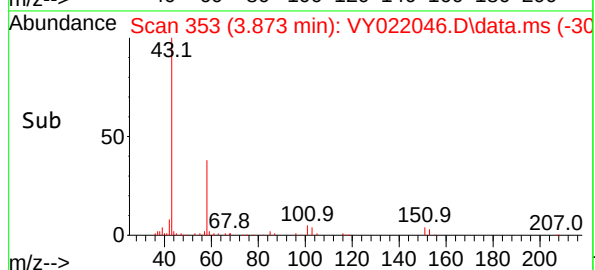
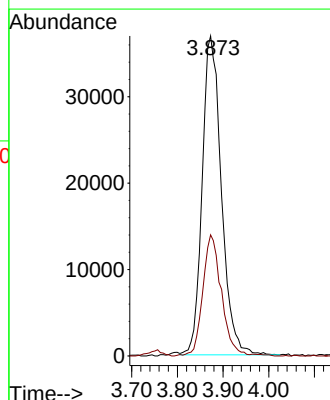
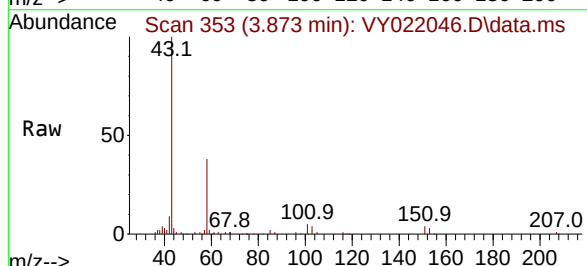
Acq: 29 Apr 2025 09:28

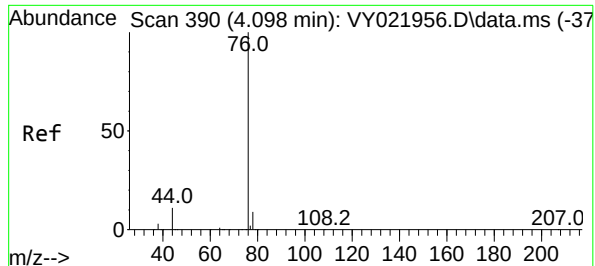
Tgt Ion: 43 Resp: 107650

Ion Ratio Lower Upper

43 100

58 38.0 27.0 40.4





#17

Carbon Disulfide

Concen: 43.107 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 45136

Ion Ratio Lower Upper

76 100

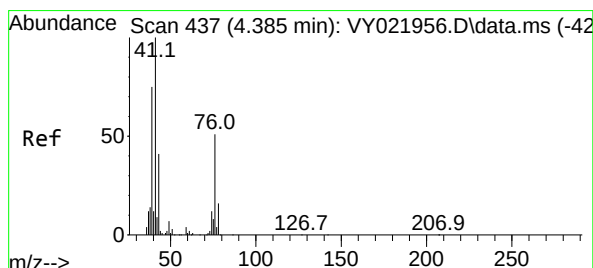
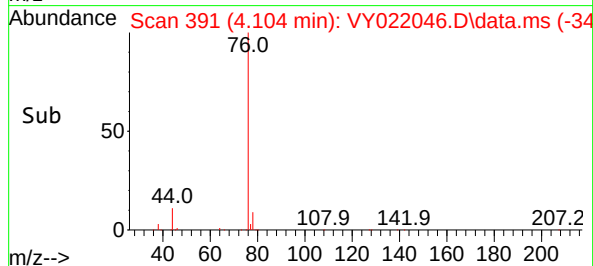
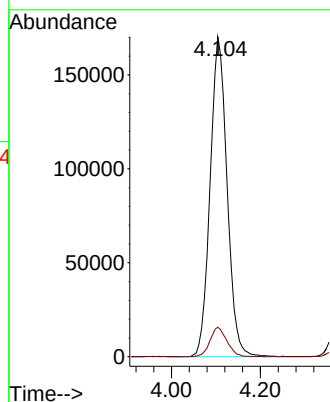
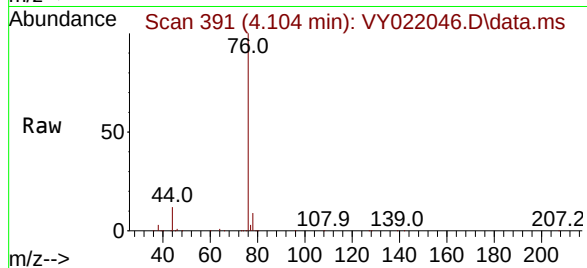
78 9.2 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#18

Methyl Acetate

Concen: 48.392 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY022046.D

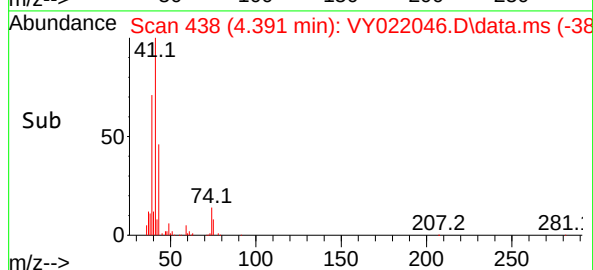
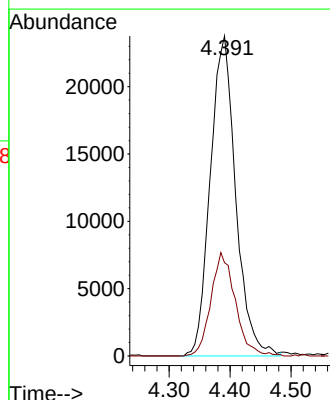
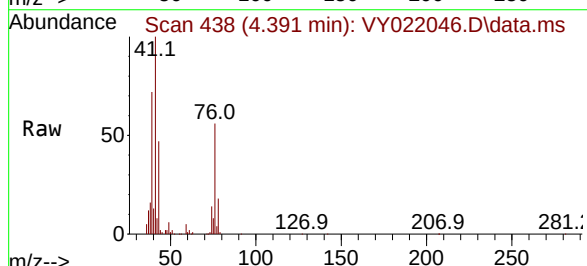
Acq: 29 Apr 2025 09:28

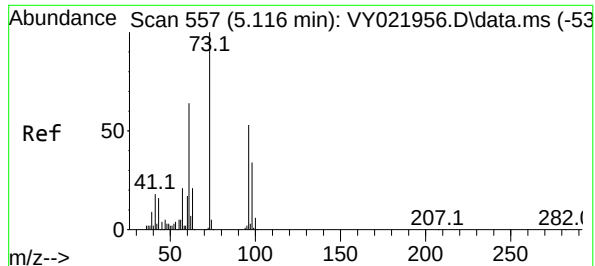
Tgt Ion: 43 Resp: 68974

Ion Ratio Lower Upper

43 100

74 31.0 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 45.315 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 33306

Ion Ratio Lower Upper

73 100

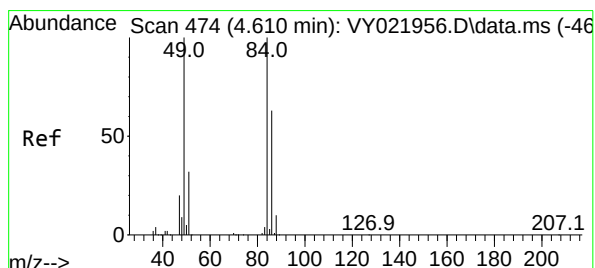
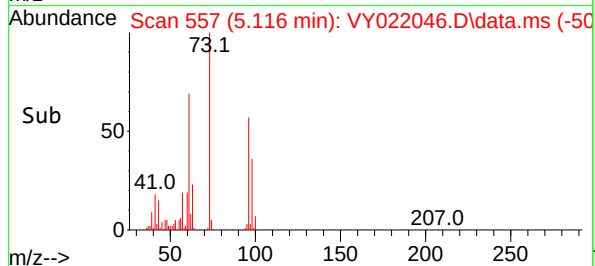
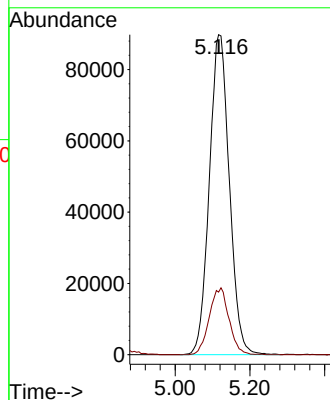
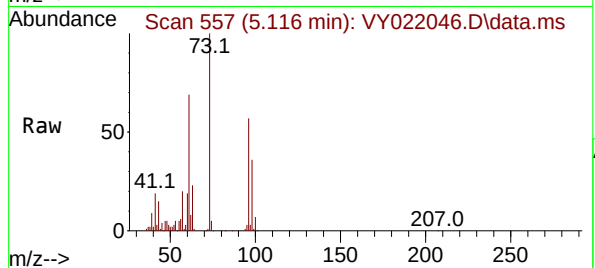
57 19.6 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#20

Methylene Chloride

Concen: 40.043 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 84 Resp: 154498

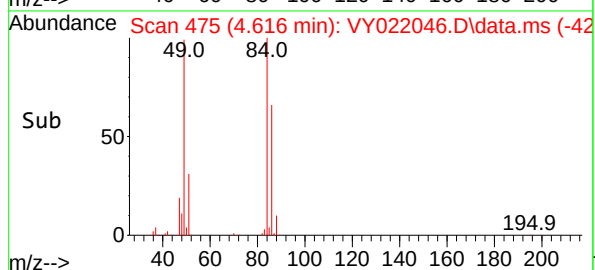
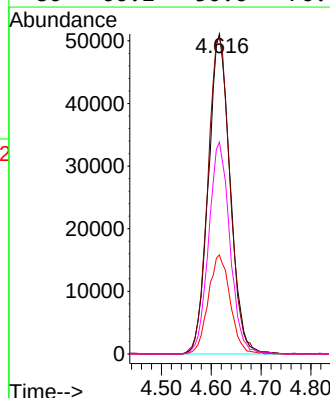
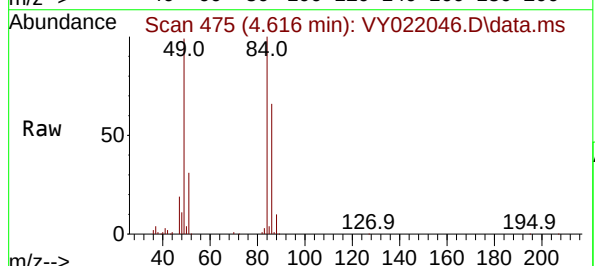
Ion Ratio Lower Upper

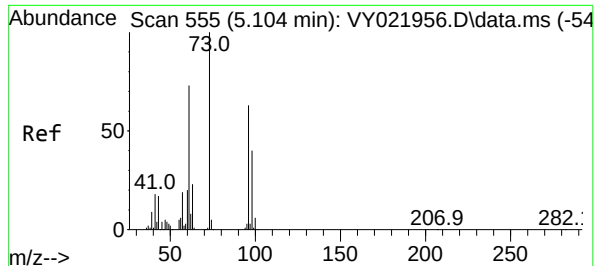
84 100

49 98.9 79.9 119.9

51 31.0 25.4 38.0

86 66.2 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 43.924 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 16154

Ion Ratio Lower Upper

96 100

61 119.5 92.6 138.8

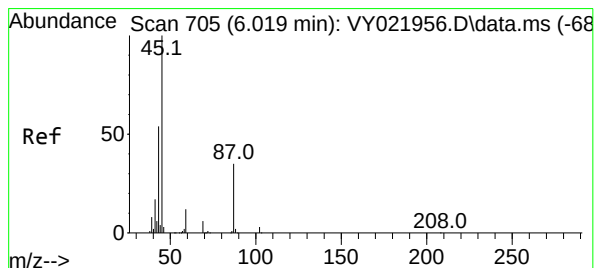
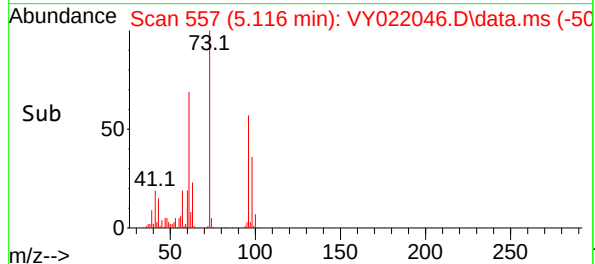
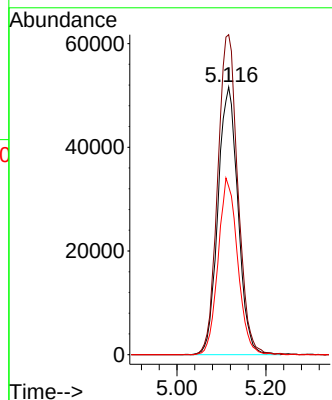
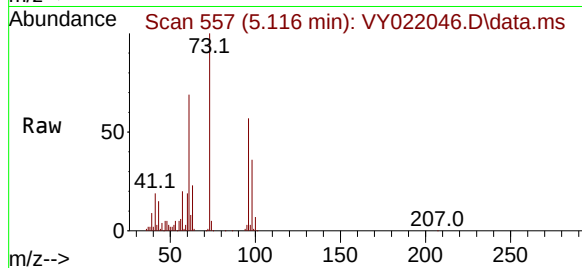
98 62.8 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#22

Diisopropyl ether

Concen: 44.895 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 45 Resp: 382029

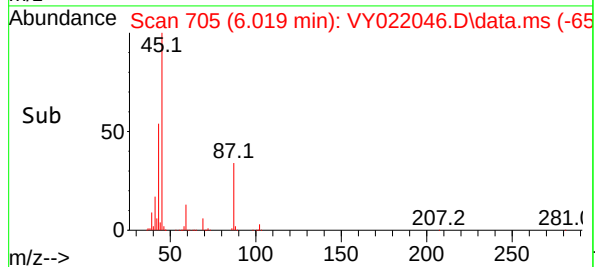
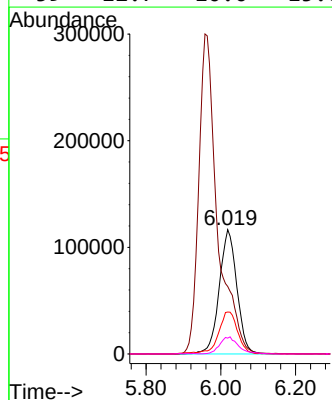
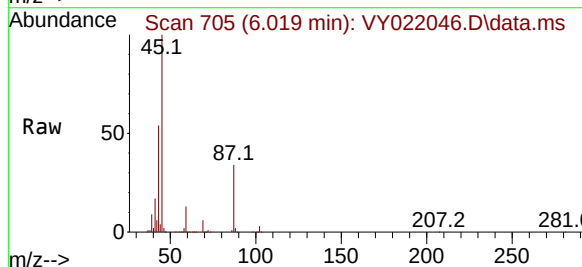
Ion Ratio Lower Upper

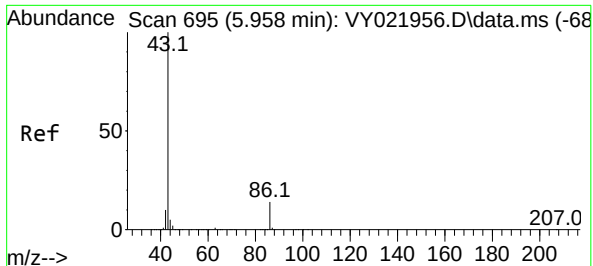
45 100

43 54.1 43.6 65.4

87 33.7 28.2 42.4

59 12.7 10.0 15.0





#23

Vinyl Acetate

Concen: 226.736 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1039804

Ion Ratio Lower Upper

43 100

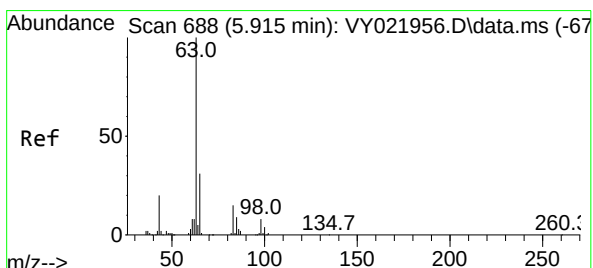
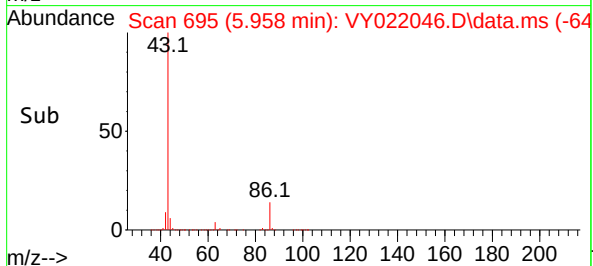
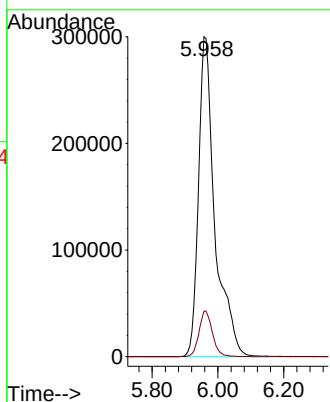
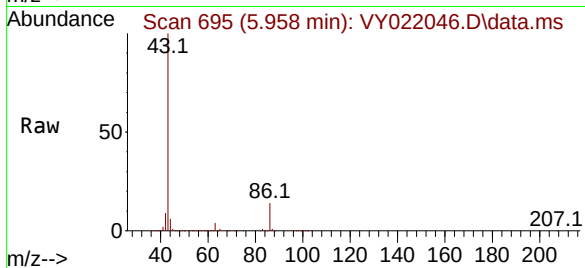
86 14.2 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#24

1,1-Dichloroethane

Concen: 43.448 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

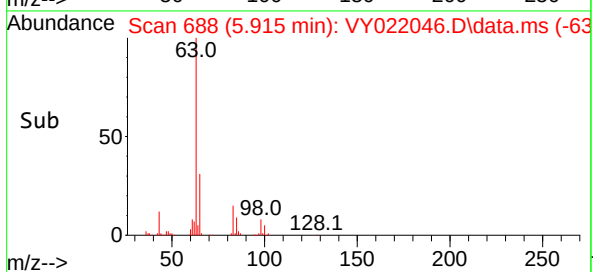
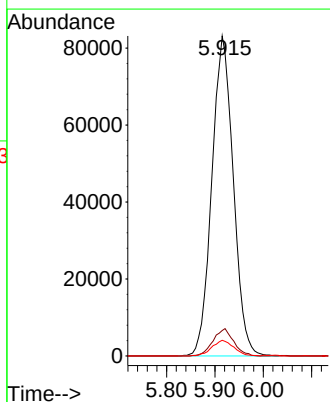
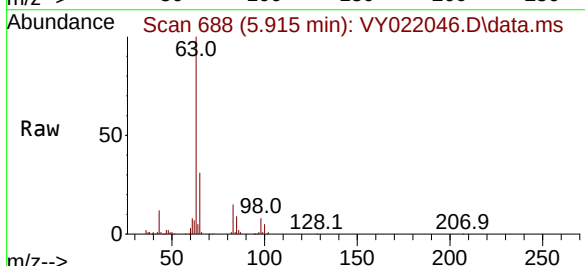
Tgt Ion: 63 Resp: 256272

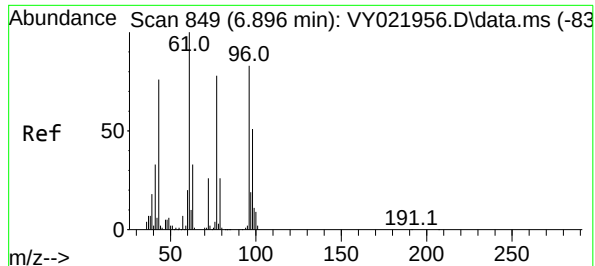
Ion Ratio Lower Upper

63 100

98 8.0 4.0 11.9

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 232.499 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 161708

Ion Ratio Lower Upper

43 100

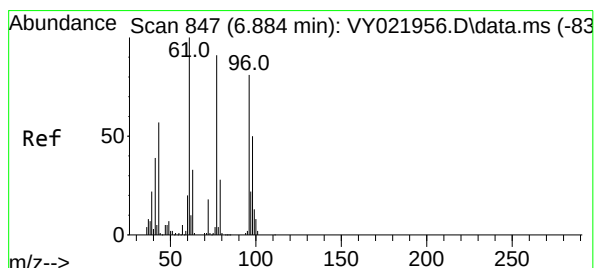
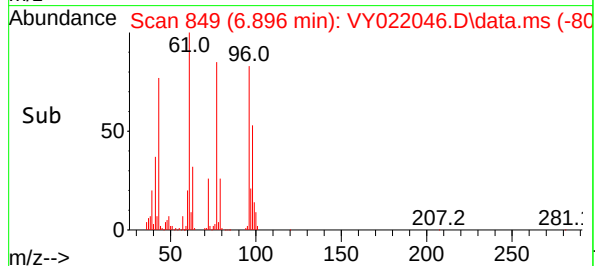
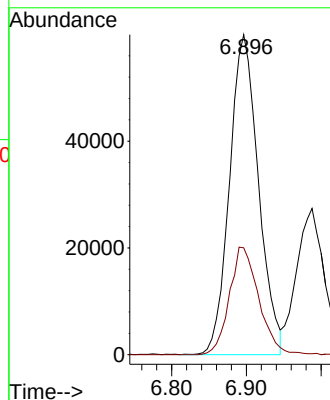
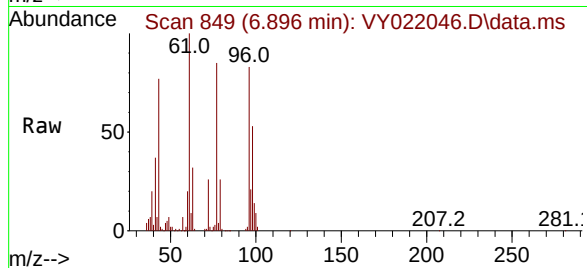
72 33.4 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#26

2,2-Dichloropropane

Concen: 45.304 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022046.D

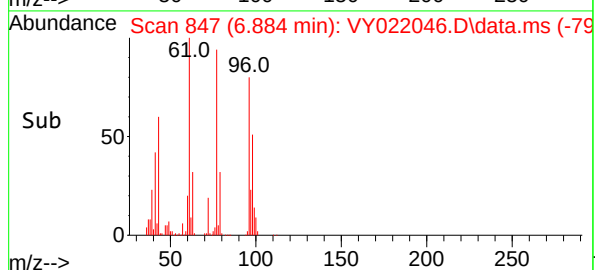
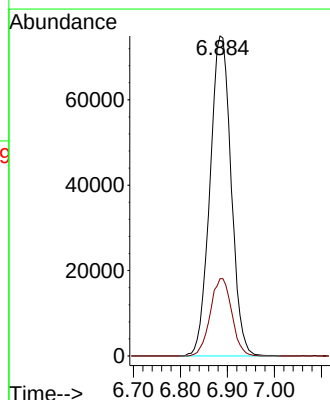
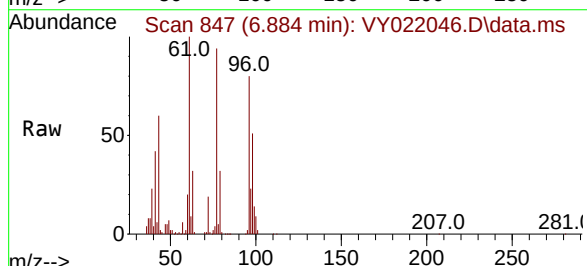
Acq: 29 Apr 2025 09:28

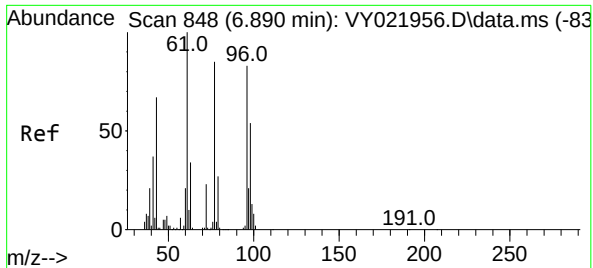
Tgt Ion: 77 Resp: 234207

Ion Ratio Lower Upper

77 100

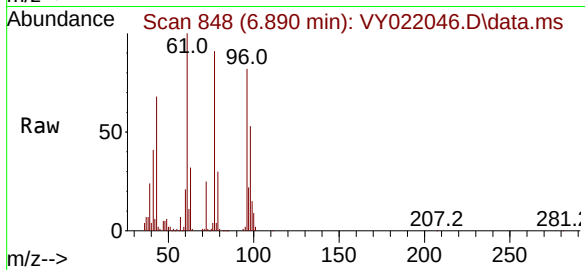
97 24.5 12.4 37.4





#27
cis-1,2-Dichloroethene
Concen: 44.805 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

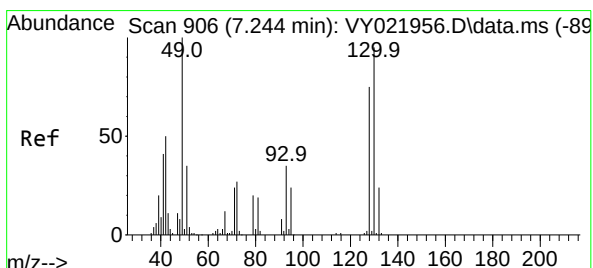
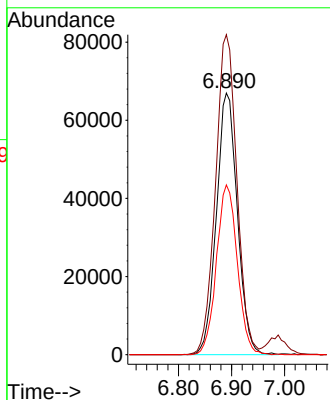
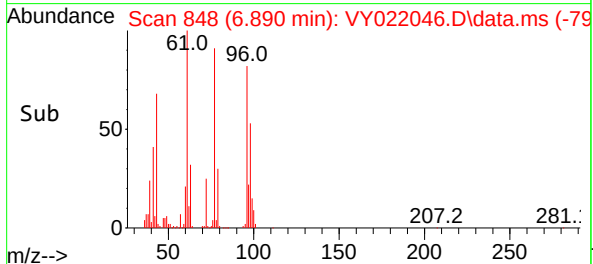
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 184250
Ion Ratio Lower Upper
96 100
61 124.5 0.0 251.4
98 64.5 0.0 128.4

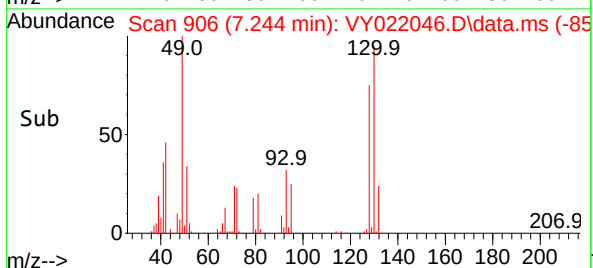
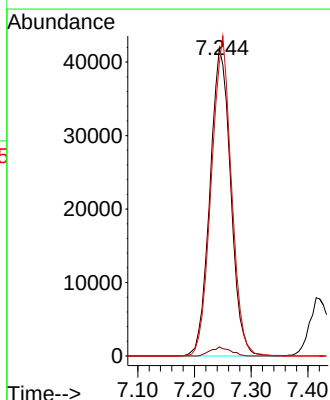
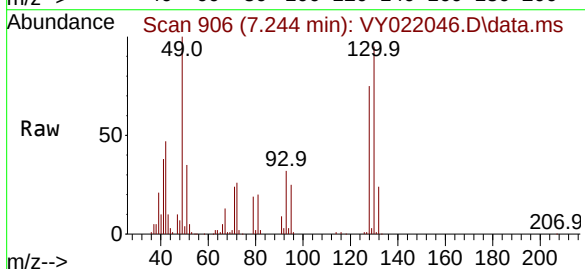
Manual Integrations
APPROVED

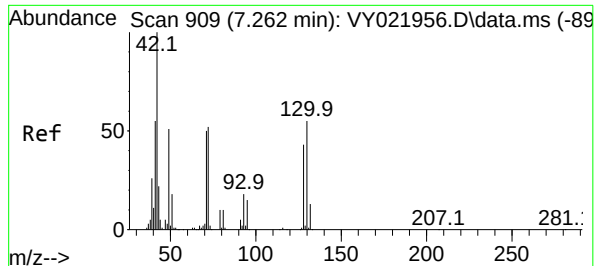
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#28
Bromochloromethane
Concen: 46.456 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 49 Resp: 106431
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.0
130 100.4 78.2 117.4





#29

Tetrahydrofuran

Concen: 232.133 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 10486

Ion Ratio Lower Upper

42

100

72

57.0

71

51.8

42.6

40.6

63.8

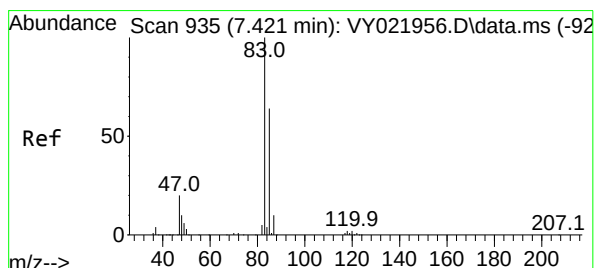
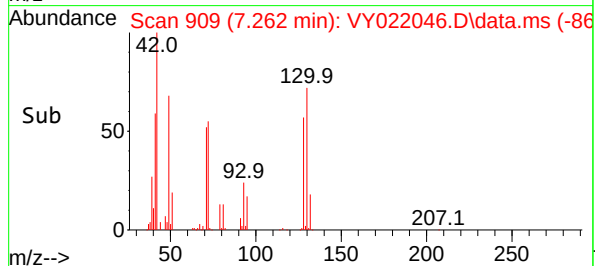
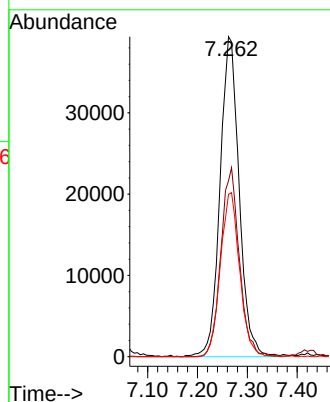
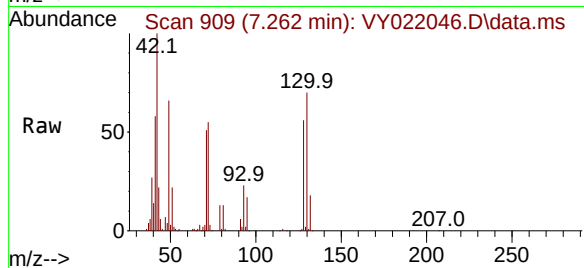
61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#30

Chloroform

Concen: 44.298 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 83 Resp: 289823

Ion Ratio Lower Upper

83

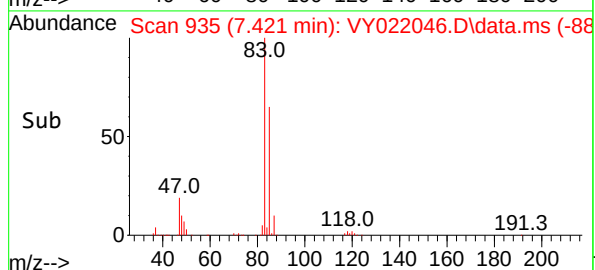
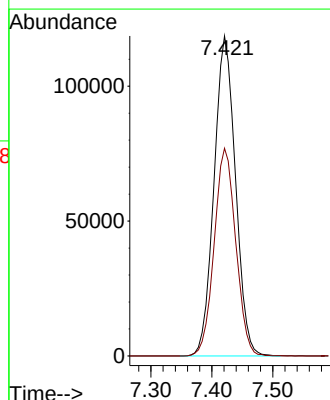
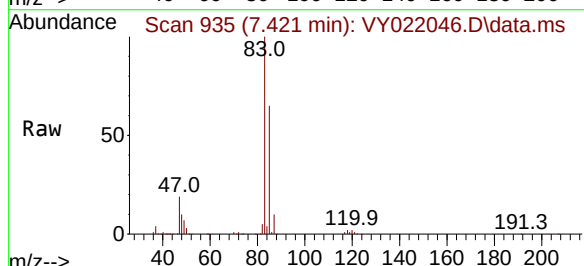
100

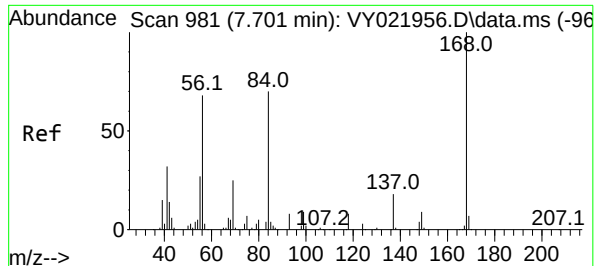
85

64.9

51.3

76.9





#31

Cyclohexane

Concen: 43.306 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 21843

Ion Ratio Lower Upper

56 100

69 36.2 29.4 44.2

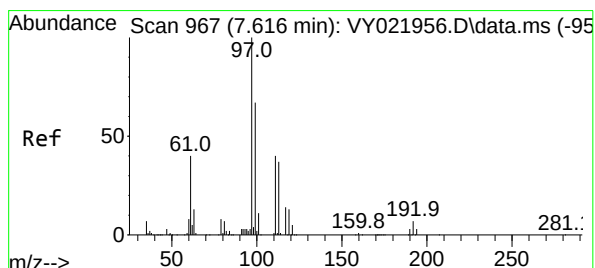
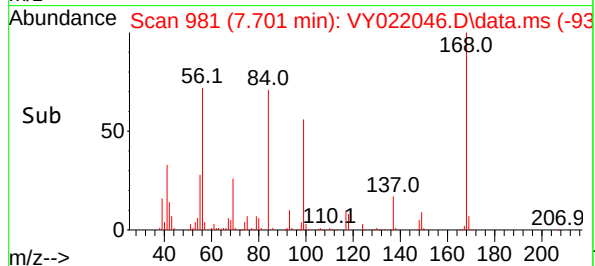
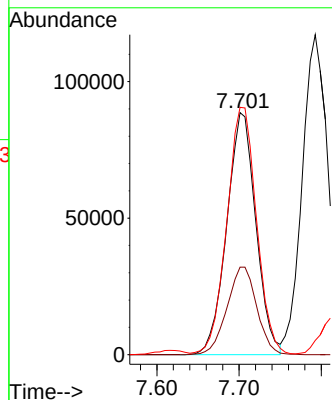
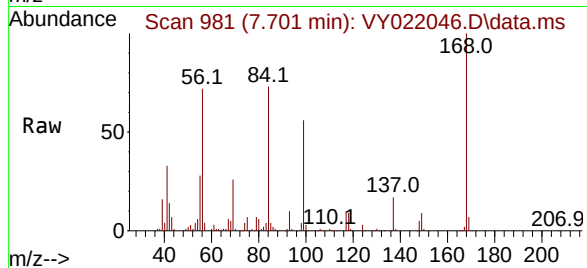
84 100.6 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#32

1,1,1-Trichloroethane

Concen: 44.057 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

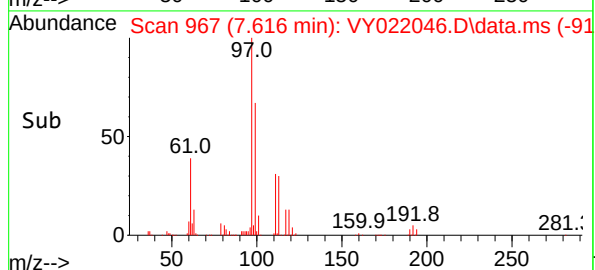
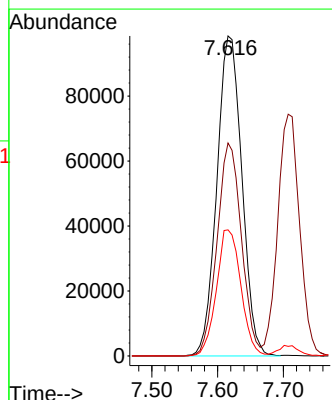
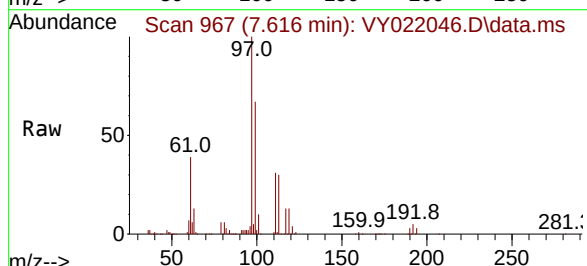
Tgt Ion: 97 Resp: 260780

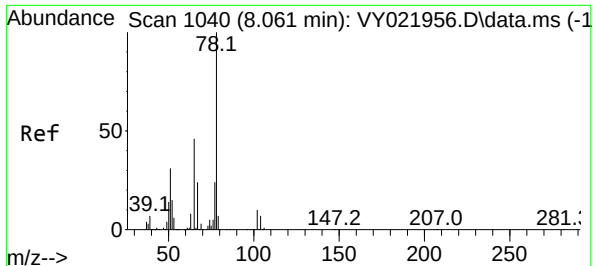
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

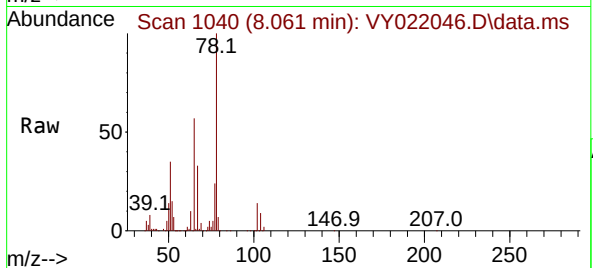
61 38.6 31.4 47.2





#33
1,2-Dichloroethane-d4
Concen: 43.532 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

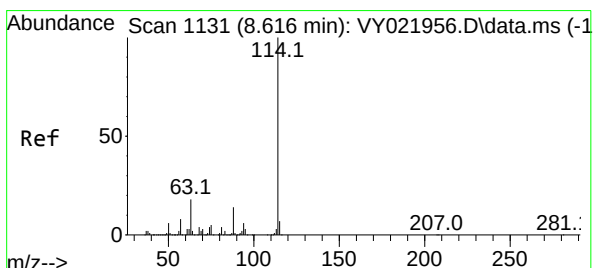
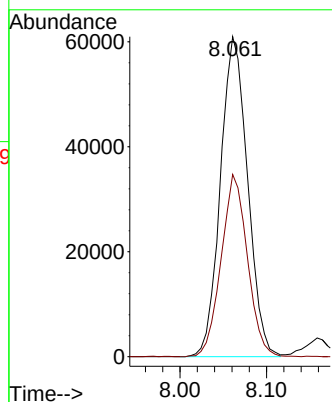
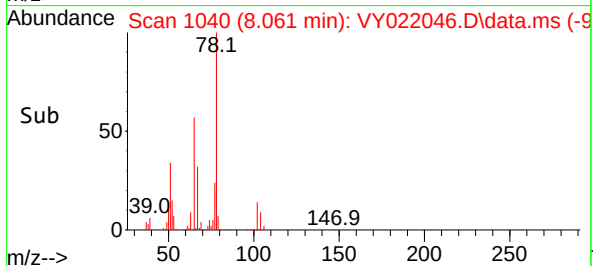
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



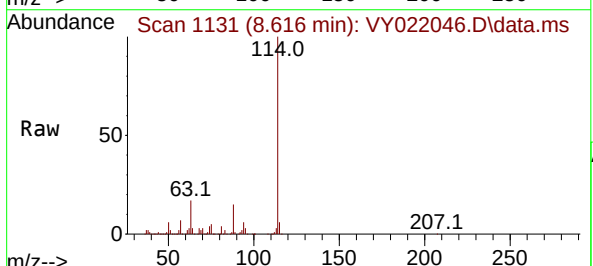
Tgt Ion: 65 Resp: 132828
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.8

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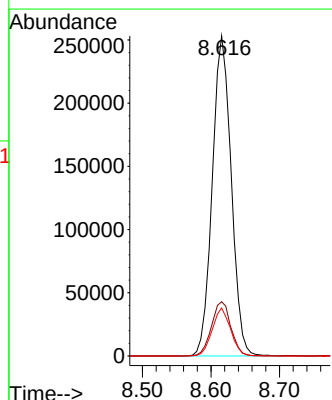
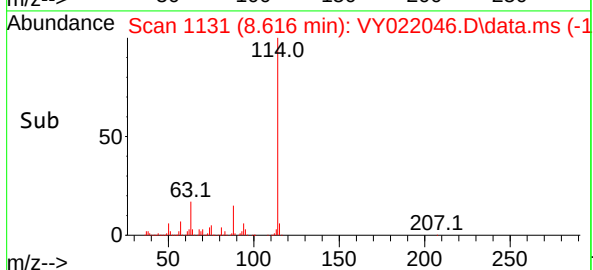
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

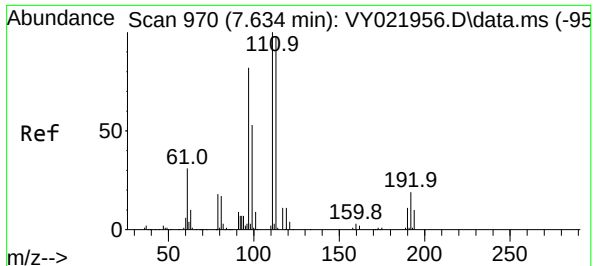


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28



Tgt Ion:114 Resp: 485397
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.4
88 15.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 47.486 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 152279

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

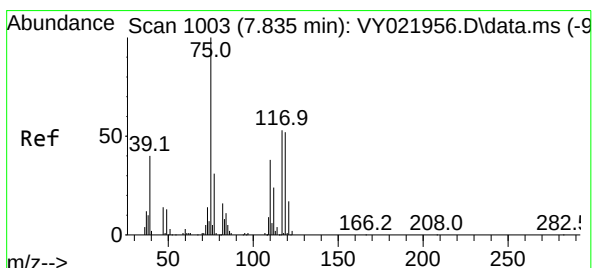
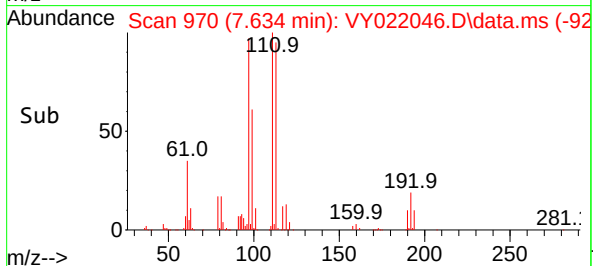
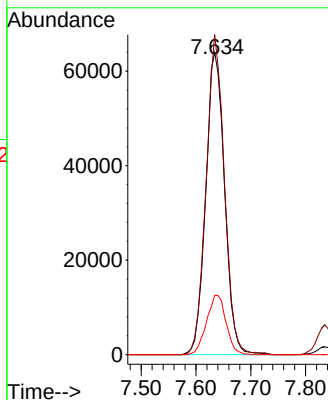
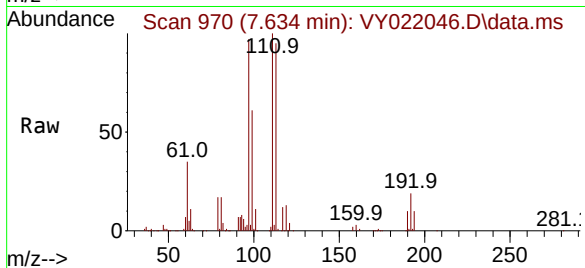
192 20.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#36

1,1-Dichloropropene

Concen: 46.442 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

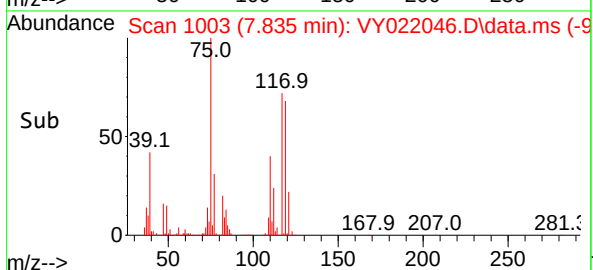
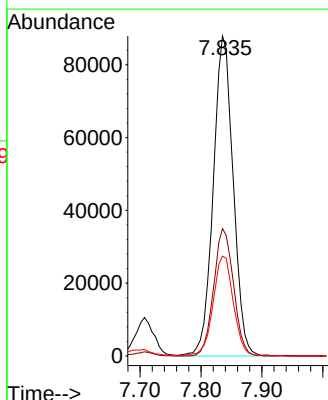
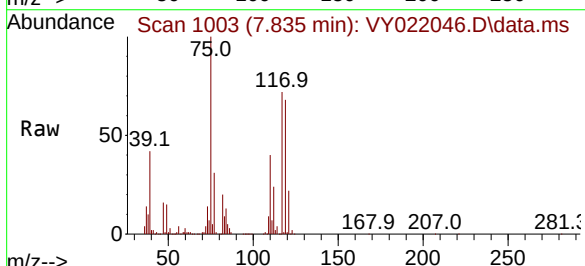
Tgt Ion: 75 Resp: 200053

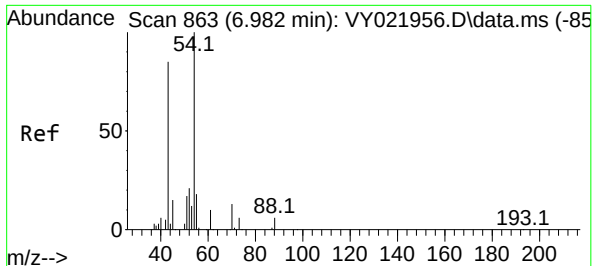
Ion Ratio Lower Upper

75 100

110 39.5 19.1 57.3

77 31.7 25.5 38.3





#37

Ethyl Acetate

Concen: 47.597 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

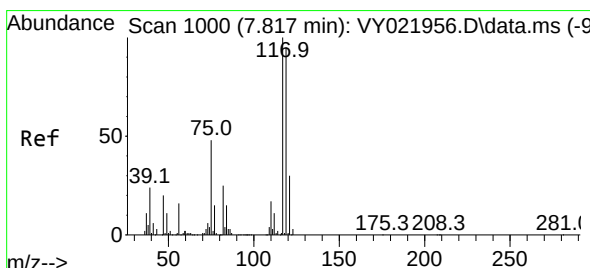
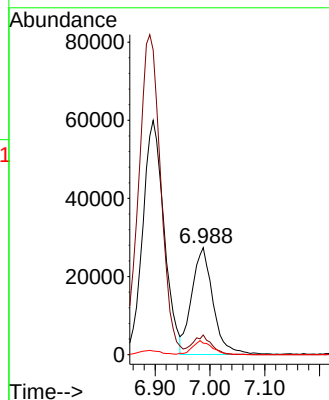
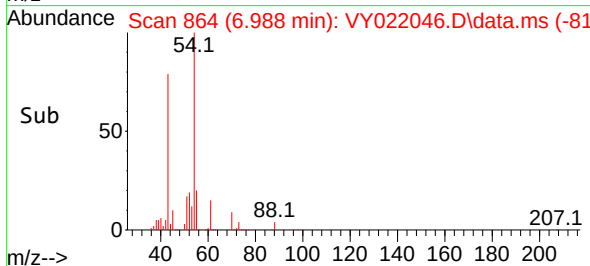
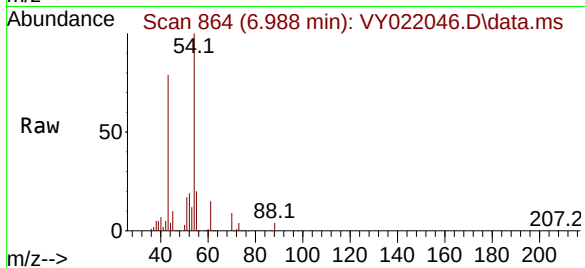
VSTDCCC050

Tgt Ion:	43	Resp:	73630
Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.8	20.6
70	12.0	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#38

Carbon Tetrachloride

Concen: 48.012 ug/l

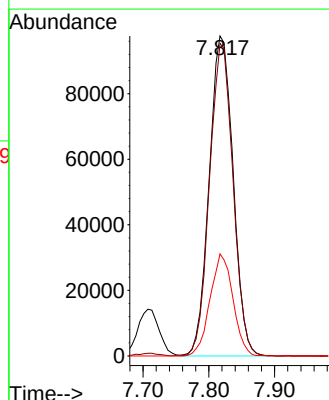
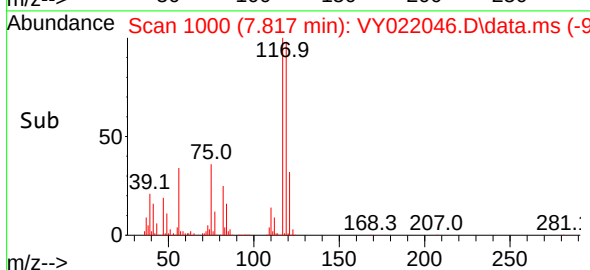
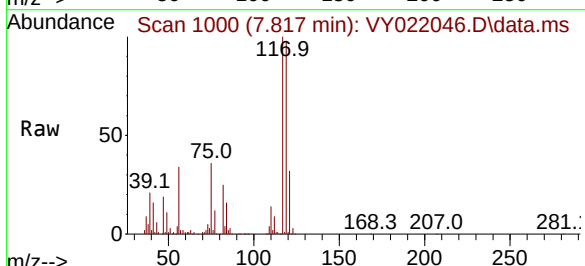
RT: 7.817 min Scan# 1000

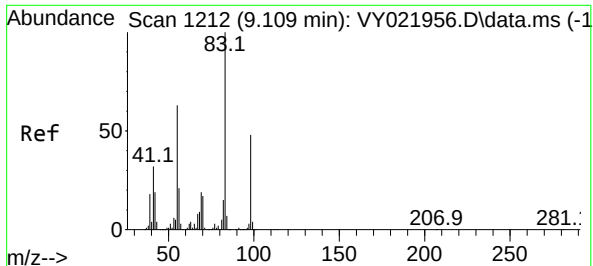
Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:	117	Resp:	247130
Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.4
121	31.9	24.0	36.0





#39

Methylcyclohexane

Concen: 47.325 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022046.D

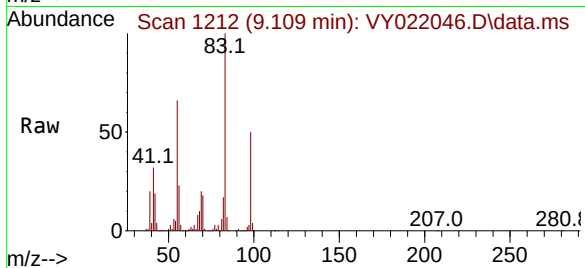
Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 256540

Ion Ratio Lower Upper

83 100

55 66.2 50.6 75.8

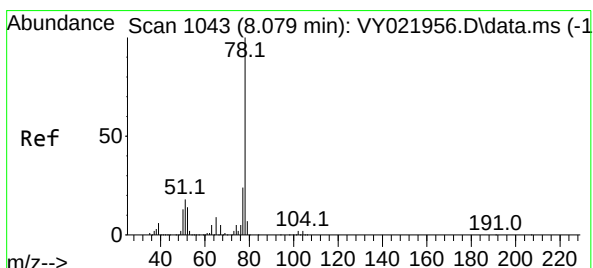
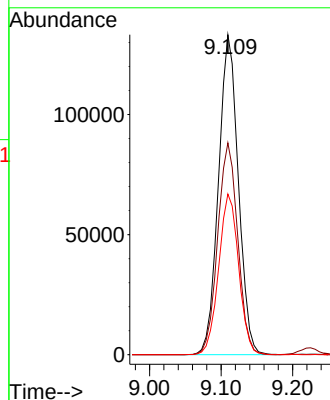
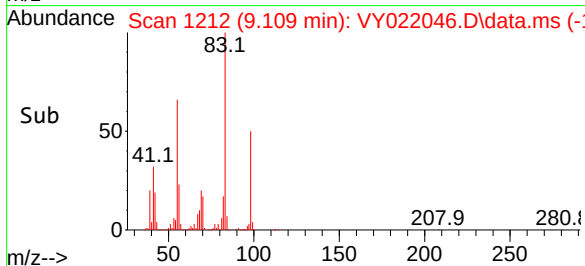
98 50.2 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#40

Benzene

Concen: 46.906 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022046.D

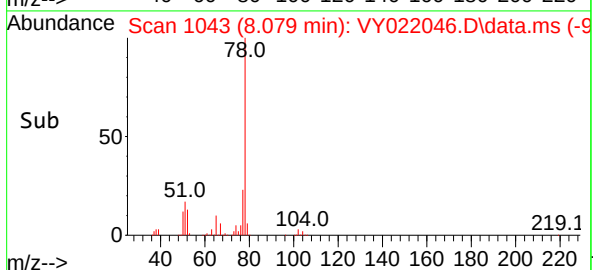
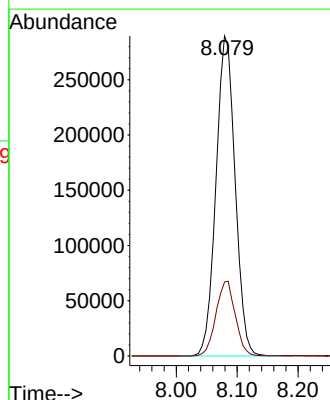
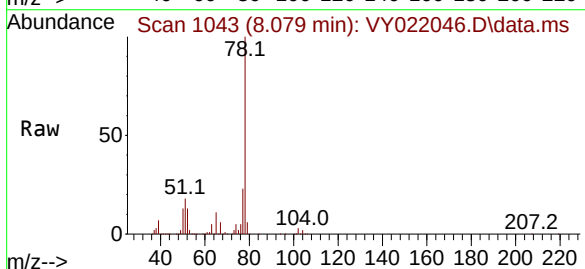
Acq: 29 Apr 2025 09:28

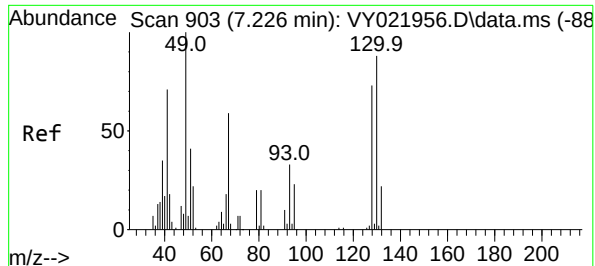
Tgt Ion: 78 Resp: 631609

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9





#41

Methacrylonitrile

Concen: 41.395 ug/l

RT: 7.220 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 35008

Ion Ratio Lower Upper

41 100

39 61.4 36.6 55.0

67 103.9 72.2 108.4

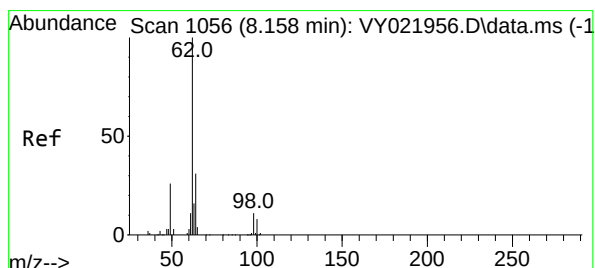
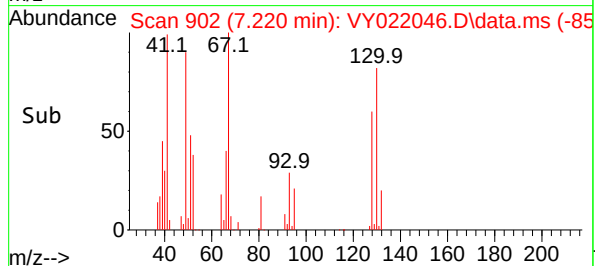
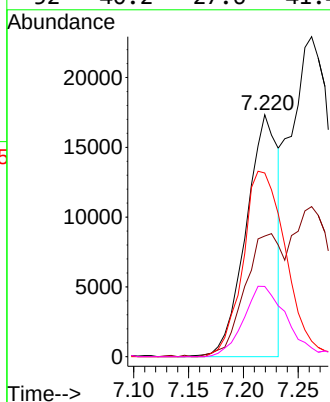
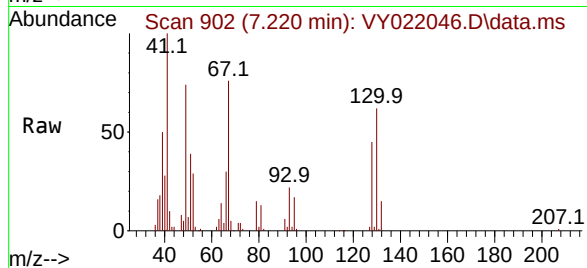
52 40.2 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#42

1,2-Dichloroethane

Concen: 46.477 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022046.D

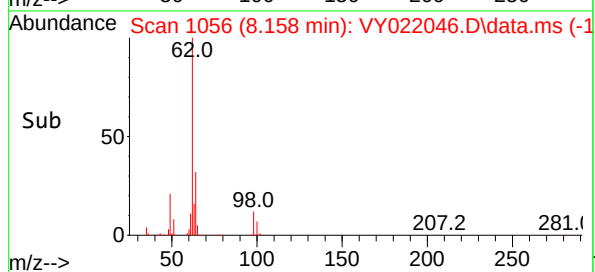
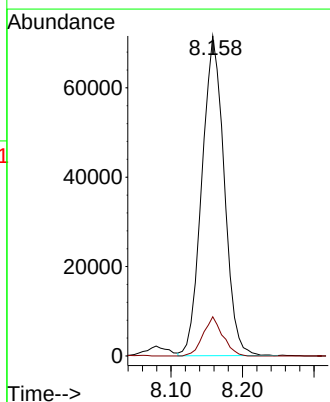
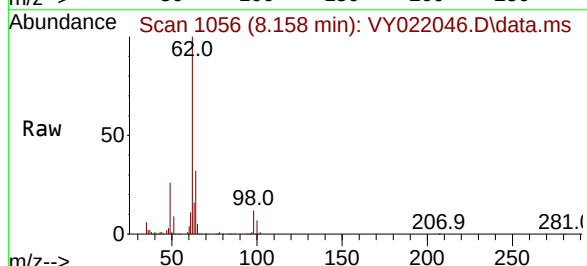
Acq: 29 Apr 2025 09:28

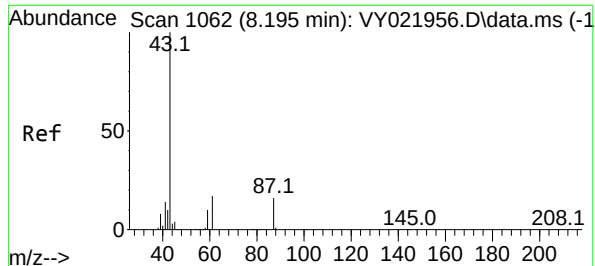
Tgt Ion: 62 Resp: 154947

Ion Ratio Lower Upper

62 100

98 10.8 0.0 22.0





#43

Isopropyl Acetate

Concen: 46.389 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

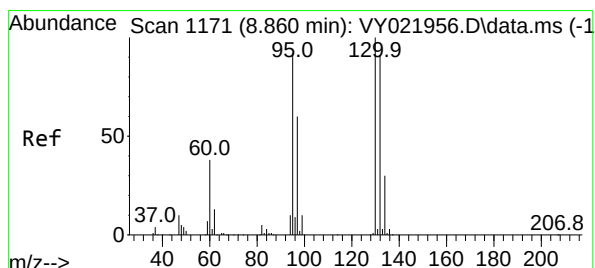
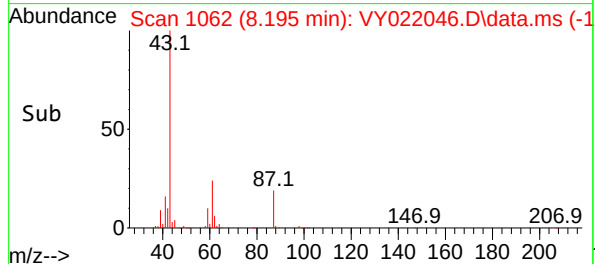
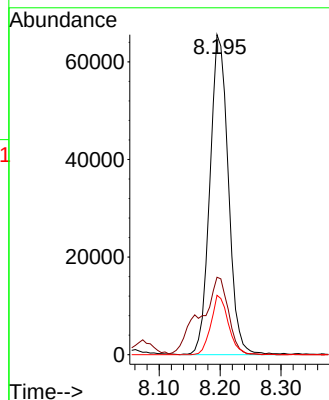
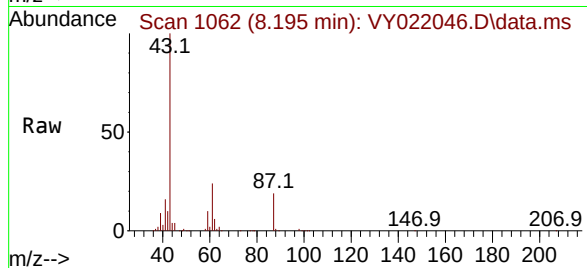
VSTDCCC050

Tgt Ion:	43	Resp:	13782
Ion	Ratio	Lower	Upper
43	100		
61	36.2	18.9	28.3
87	17.6	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#44

Trichloroethene

Concen: 46.887 ug/l

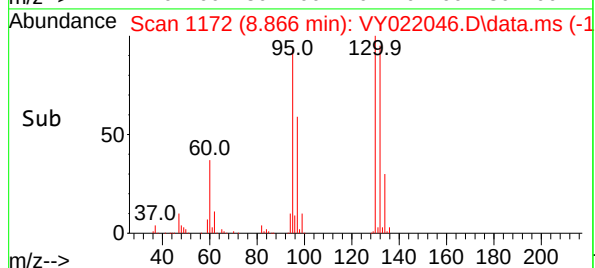
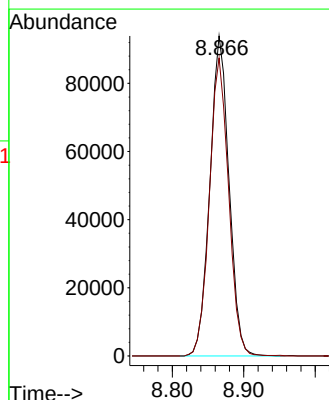
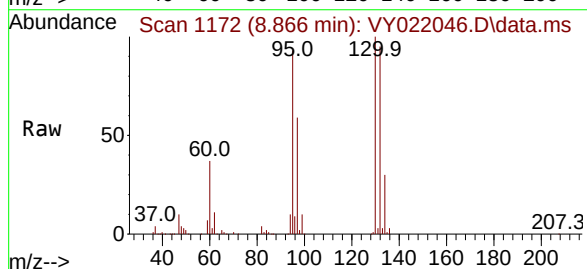
RT: 8.866 min Scan# 1172

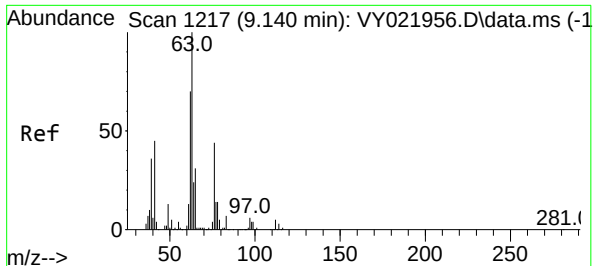
Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:	130	Resp:	174874
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	183.2





#45

1,2-Dichloropropane

Concen: 46.764 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 13925

Ion Ratio Lower Upper

63 100

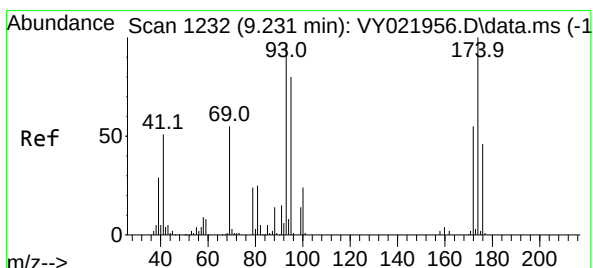
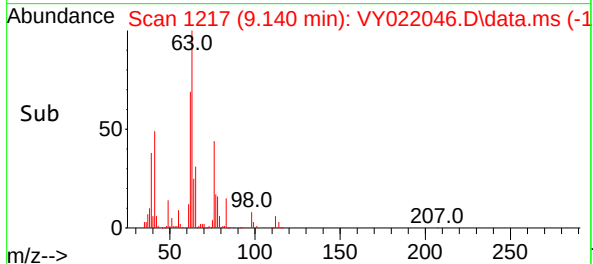
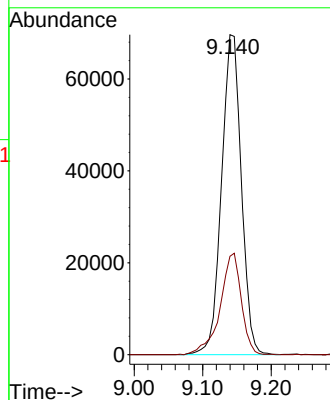
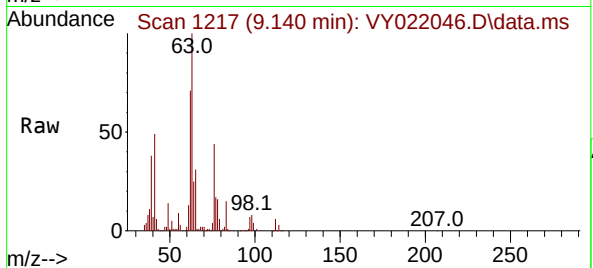
65 30.8 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#46

Dibromomethane

Concen: 47.082 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

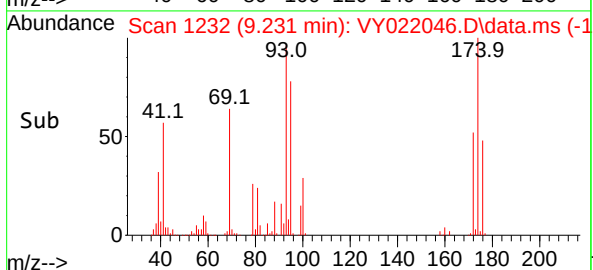
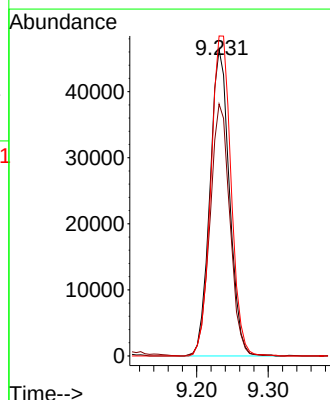
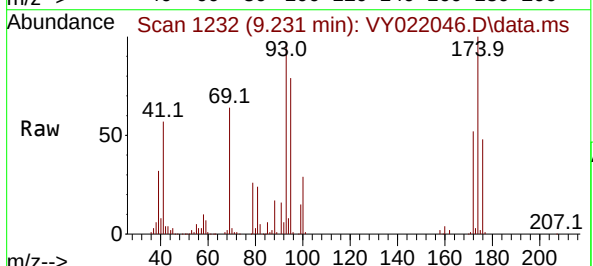
Tgt Ion: 93 Resp: 87764

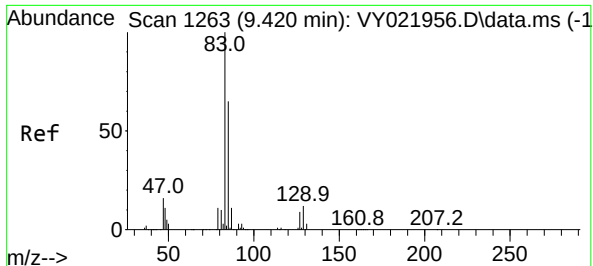
Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

174 108.2 84.6 127.0





#47

Bromodichloromethane

Concen: 47.592 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 221624

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.8

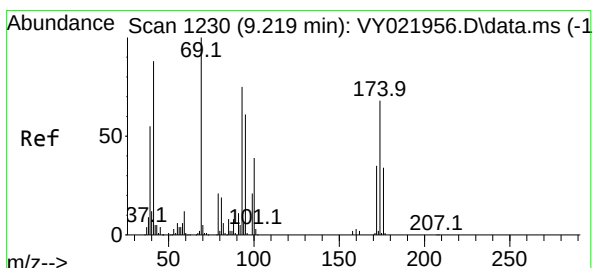
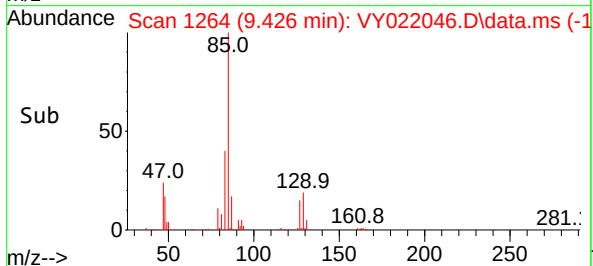
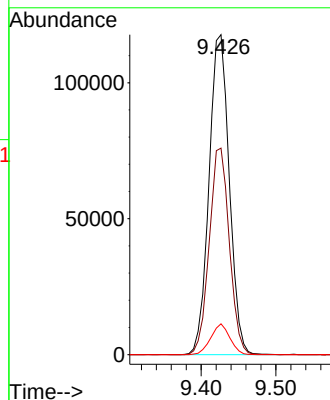
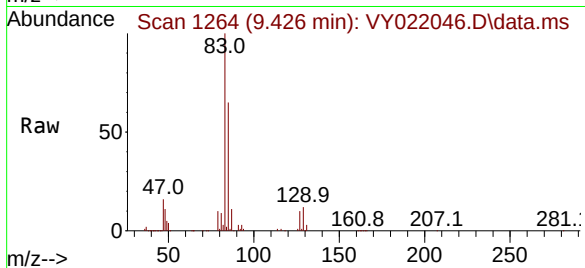
127 9.7 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#48

Methyl methacrylate

Concen: 49.274 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

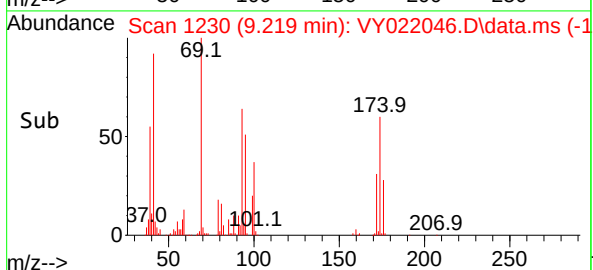
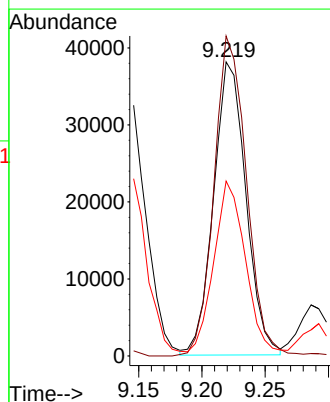
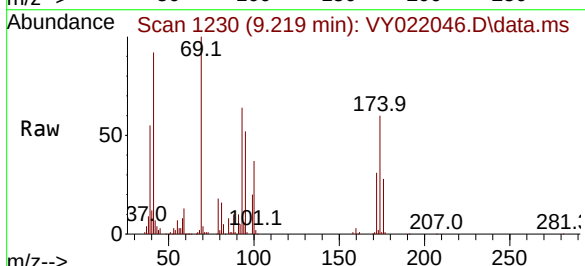
Tgt Ion: 41 Resp: 67675

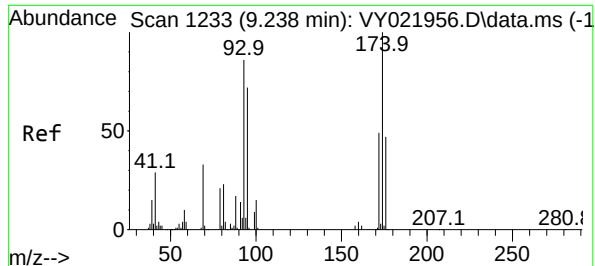
Ion Ratio Lower Upper

41 100

69 109.2 85.5 128.3

39 56.2 46.2 69.4





#49

1,4-Dioxane

Concen: 997.336 ug/l

RT: 9.231 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

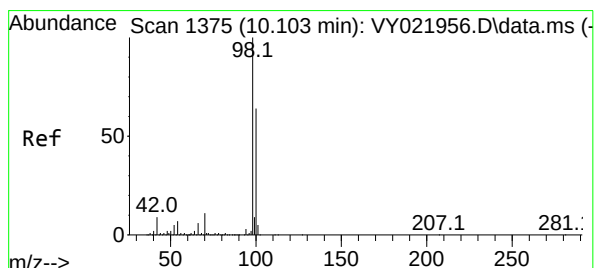
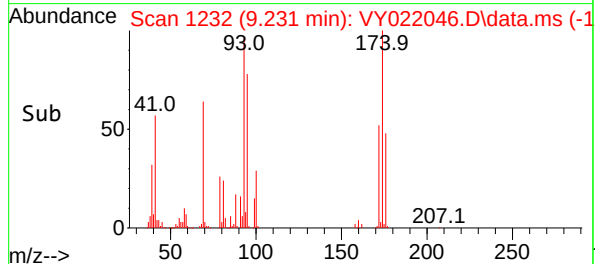
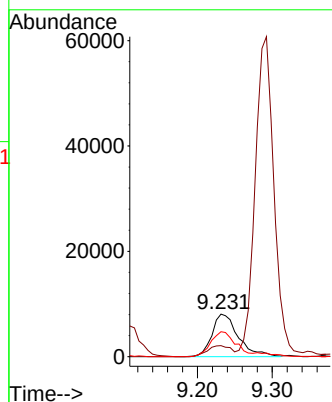
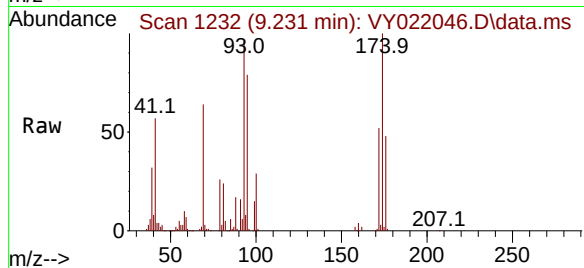
VSTDCCC050

Tgt Ion:	88	Resp:	1981
Ion	Ratio	Lower	Upper
88	100		
43	23.2	21.3	31.9
58	55.8	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#50

Toluene-d8

Concen: 48.273 ug/l

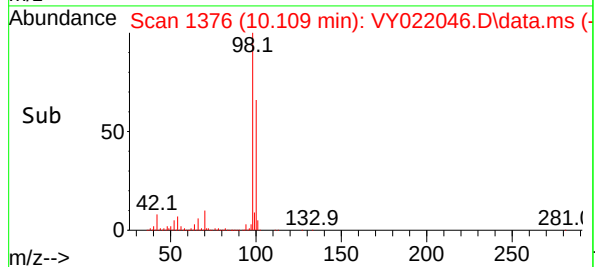
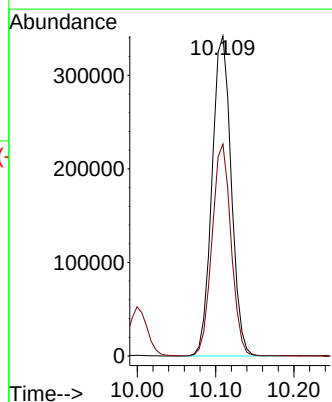
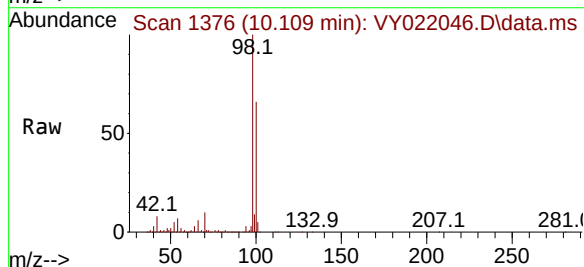
RT: 10.109 min Scan# 1376

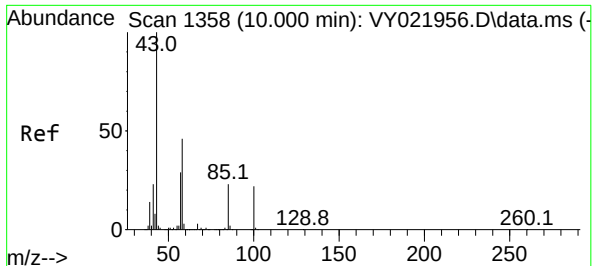
Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

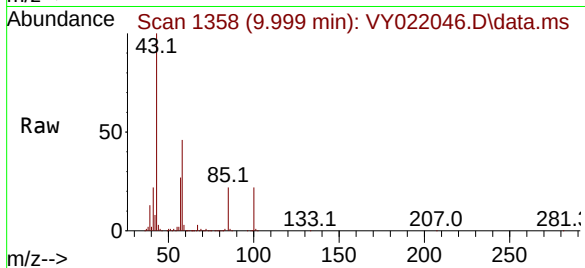
Tgt Ion:	98	Resp:	583606
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 250.912 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

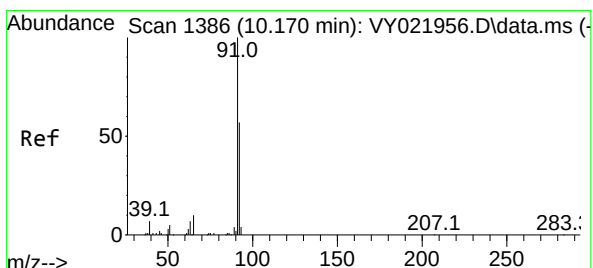
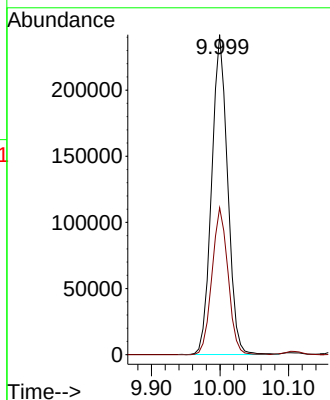
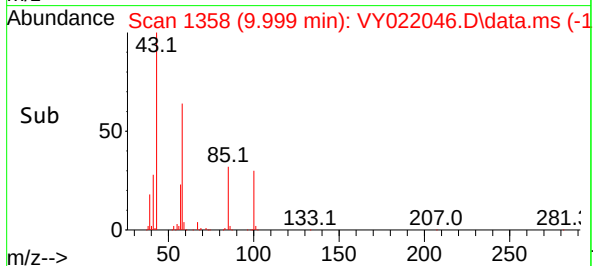
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 390782
Ion Ratio Lower Upper
43 100
58 46.1 36.6 55.0

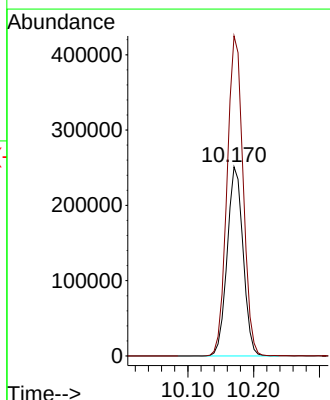
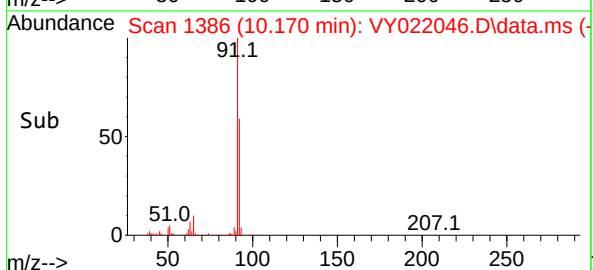
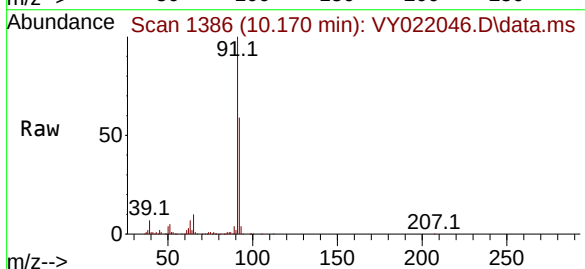
Manual Integrations
APPROVED

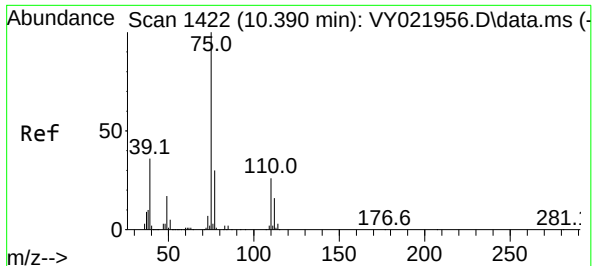
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Toluene
Concen: 48.468 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 92 Resp: 422459
Ion Ratio Lower Upper
92 100
91 170.6 138.6 207.8





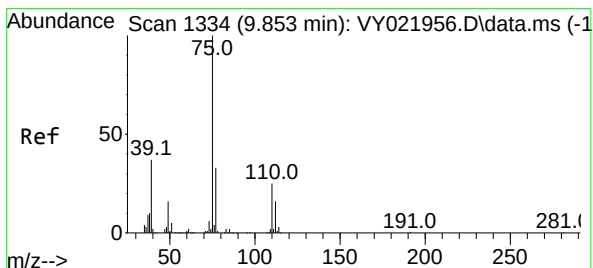
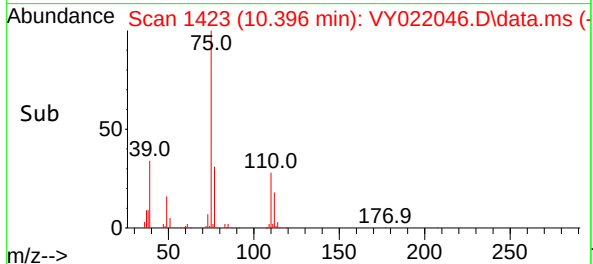
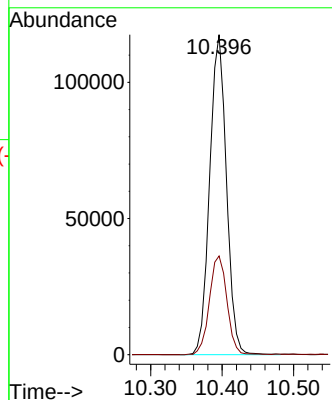
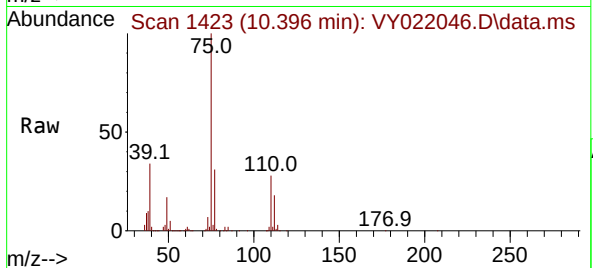
#53
t-1,3-Dichloropropene
Concen: 47.779 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 19084
Ion Ratio Lower Upper
75 100
77 30.8 24.0 36.0

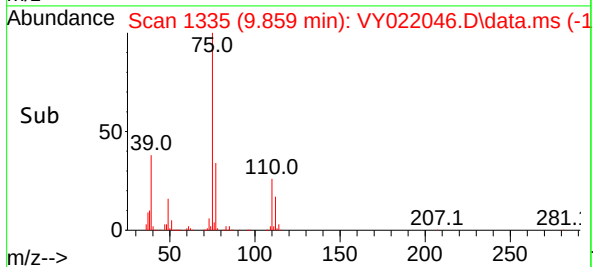
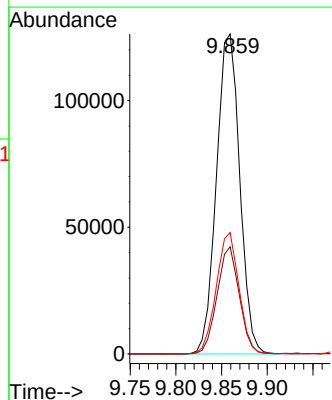
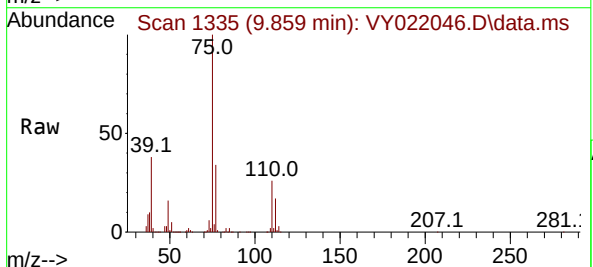
Manual Integrations
APPROVED

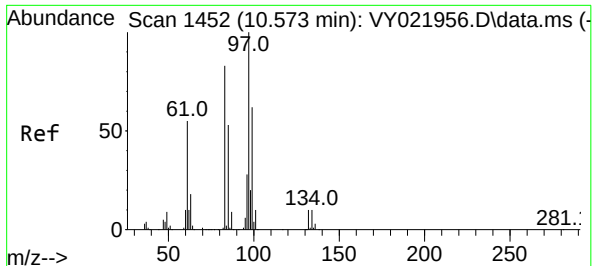
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#54
cis-1,3-Dichloropropene
Concen: 47.184 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

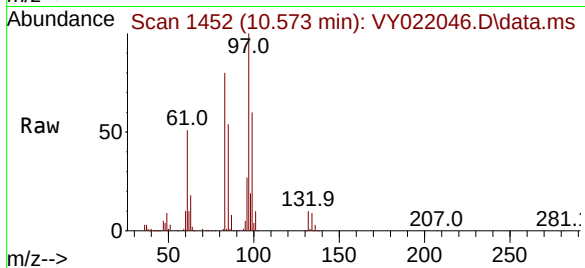
Tgt Ion: 75 Resp: 224035
Ion Ratio Lower Upper
75 100
77 33.5 26.6 40.0
39 37.9 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 48.179 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

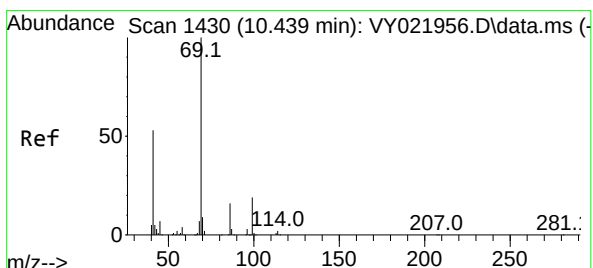
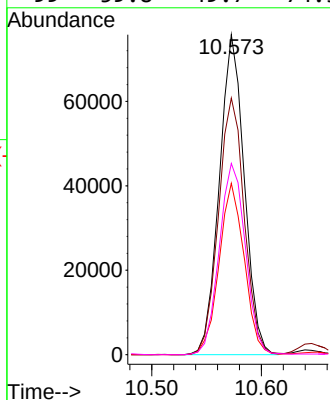
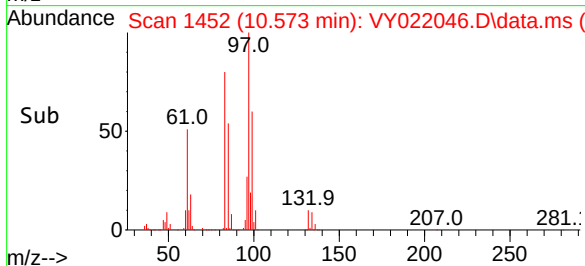
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



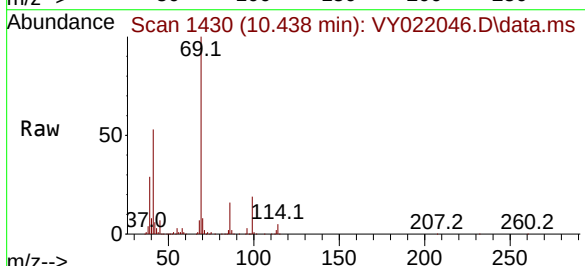
Tgt Ion: 97 Resp: 119964
Ion Ratio Lower Upper
97 100
83 80.2 66.7 100.1
85 53.6 42.6 64.0
99 59.8 49.7 74.5

Manual Integrations
APPROVED

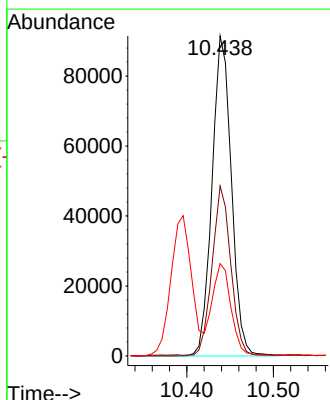
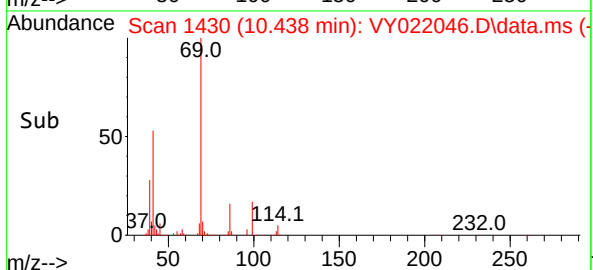
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

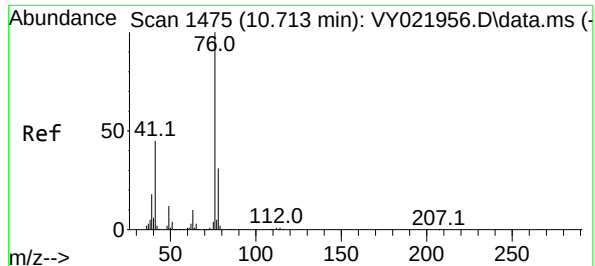


#56
Ethyl methacrylate
Concen: 49.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28



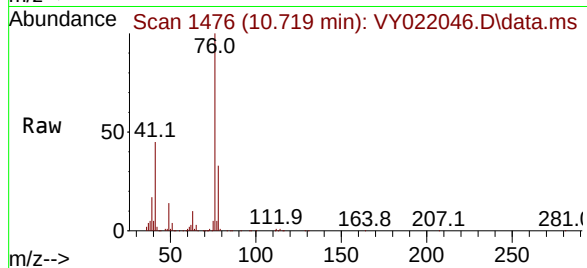
Tgt Ion: 69 Resp: 142098
Ion Ratio Lower Upper
69 100
41 50.9 40.7 61.1
39 27.5 23.3 34.9





#57
1,3-Dichloropropane
Concen: 48.021 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

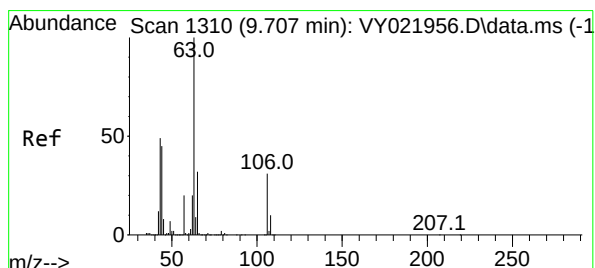
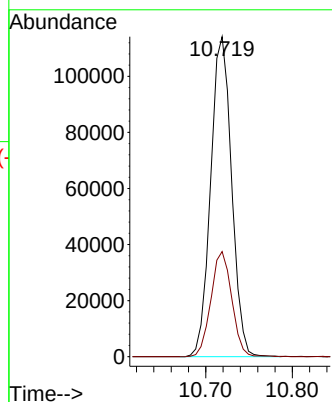
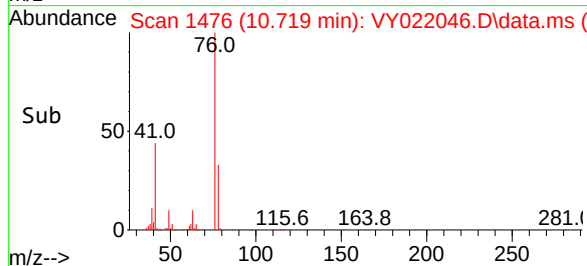
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 191688
Ion Ratio Lower Upper
76 100
78 32.7 26.6 39.8

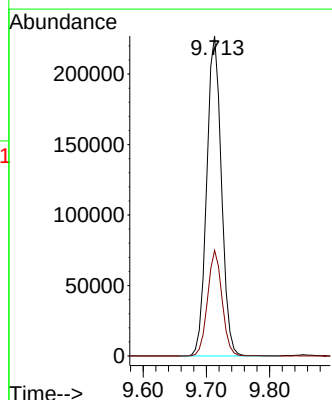
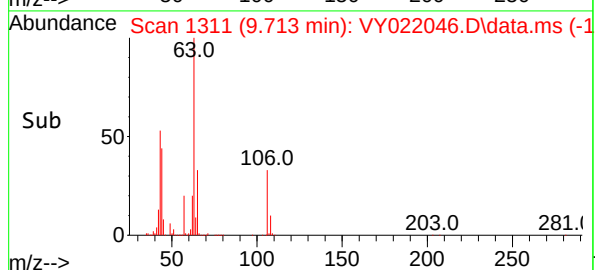
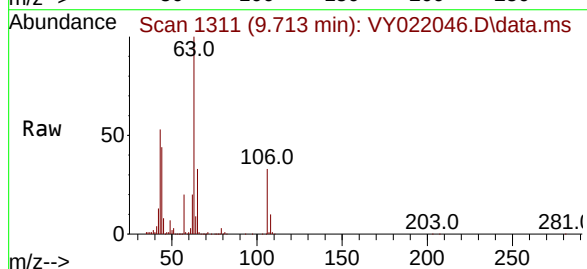
Manual Integrations
APPROVED

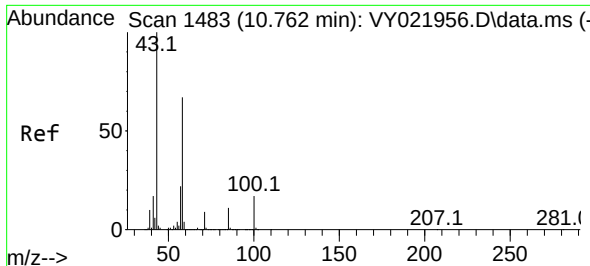
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#58
2-Chloroethyl Vinyl ether
Concen: 264.171 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

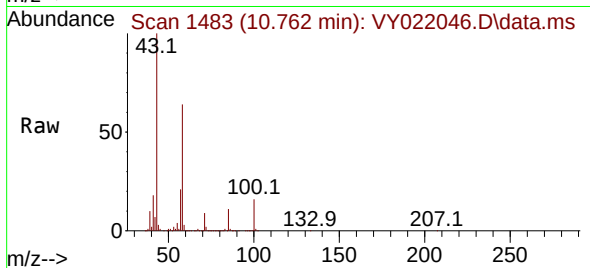
Tgt Ion: 63 Resp: 367778
Ion Ratio Lower Upper
63 100
106 32.4 25.3 37.9





#59
2-Hexanone
Concen: 257.500 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

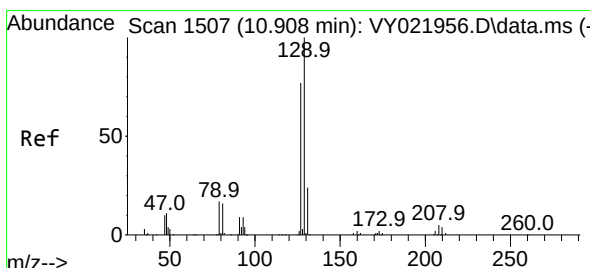
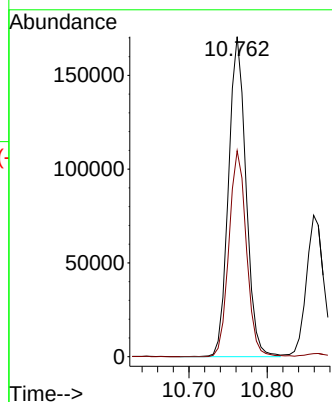
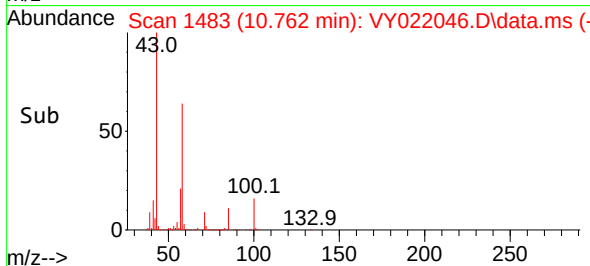
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 26452
Ion Ratio Lower Upper
43 100
58 64.3 32.0 96.0

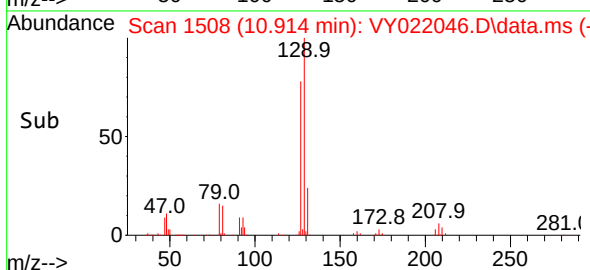
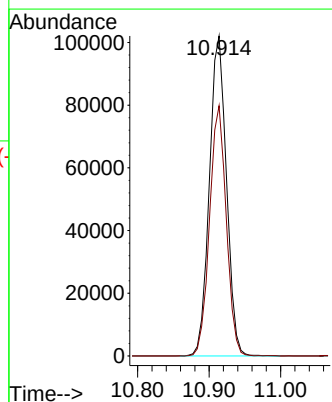
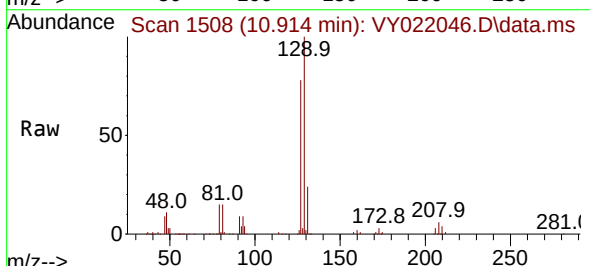
Manual Integrations
APPROVED

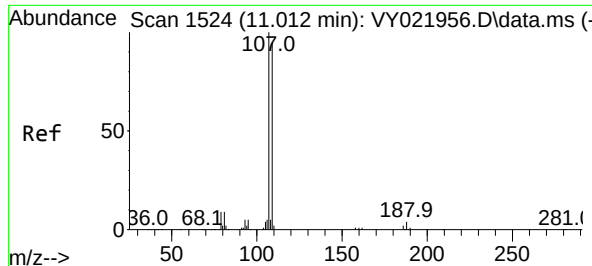
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#60
Dibromochloromethane
Concen: 49.071 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:129 Resp: 169164
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





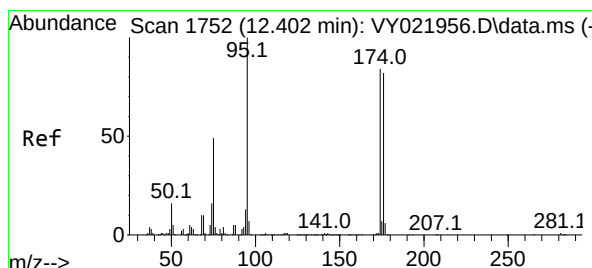
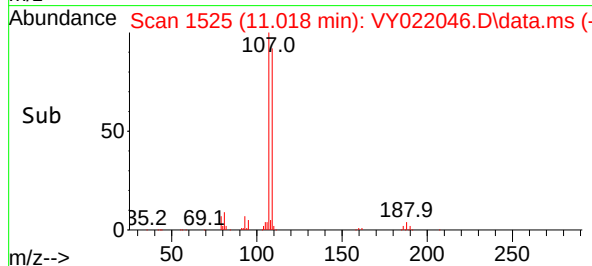
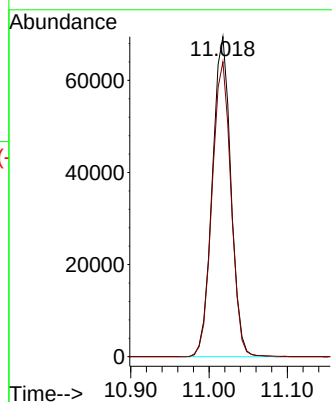
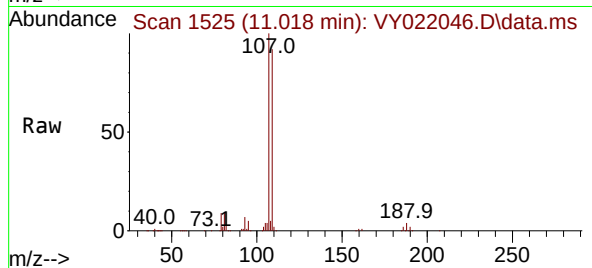
#61
1,2-Dibromoethane
Concen: 48.774 ug/l
RT: 11.018 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 11465
Ion Ratio Lower Upper
107 100
109 93.7 75.8 113.8

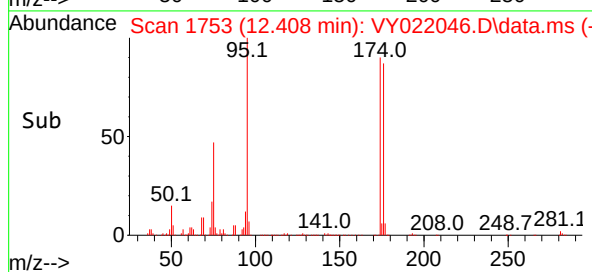
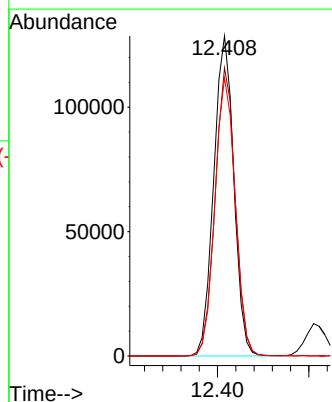
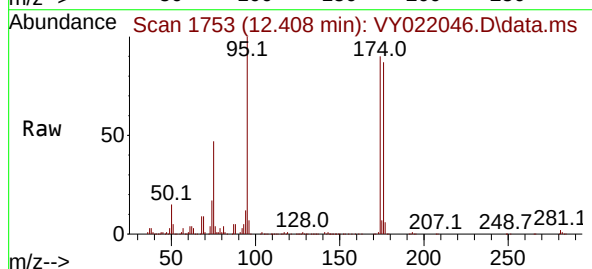
Manual Integrations
APPROVED

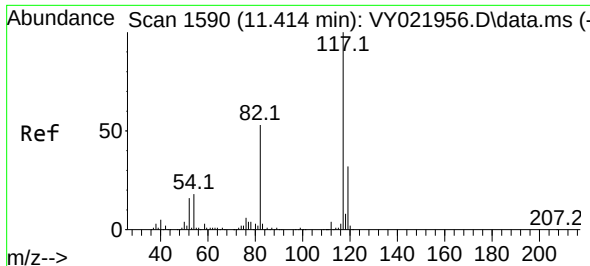
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#62
4-Bromofluorobenzene
Concen: 48.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 95 Resp: 195893
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.0
176 88.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 453549

Ion Ratio Lower Upper

117 100

82 49.8 42.1 63.1

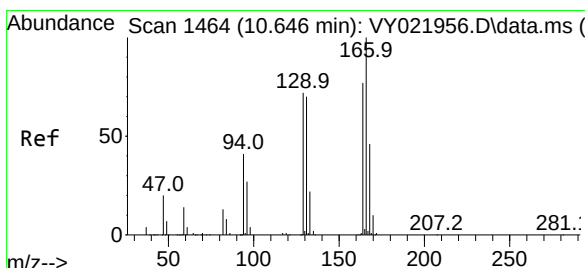
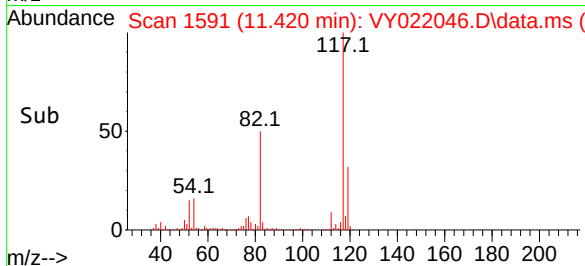
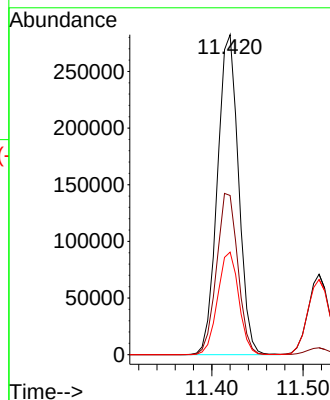
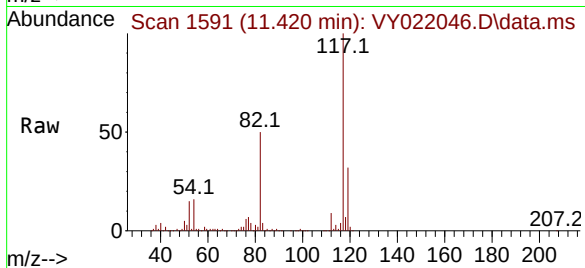
119 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#64

Tetrachloroethene

Concen: 47.647 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:164 Resp: 203863

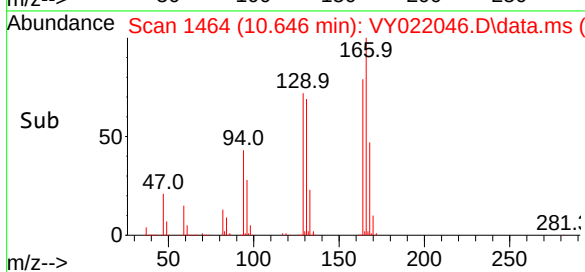
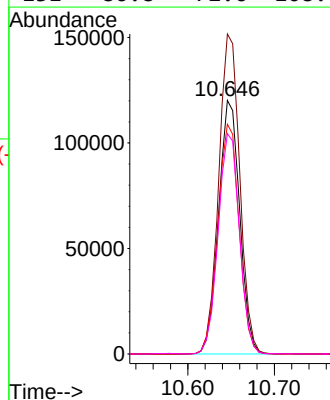
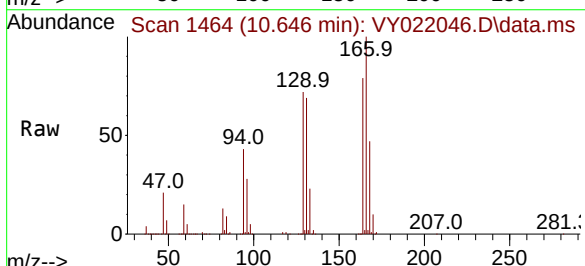
Ion Ratio Lower Upper

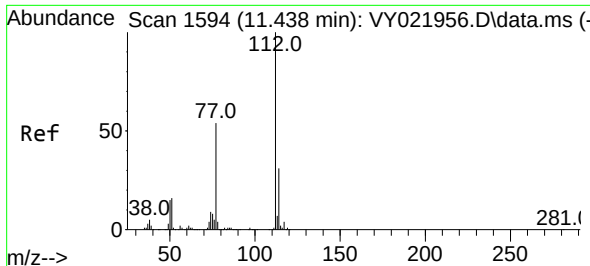
164 100

166 126.2 103.6 155.4

129 90.6 74.2 111.4

131 86.8 72.6 108.8





#65

Chlorobenzene

Concen: 46.234 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 46893

Ion Ratio Lower Upper

112 100

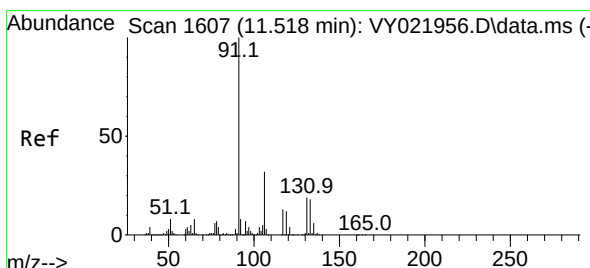
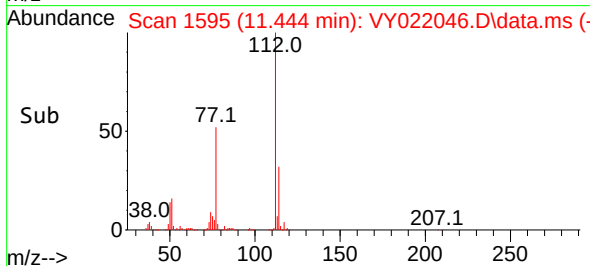
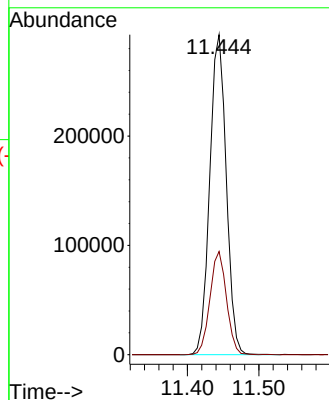
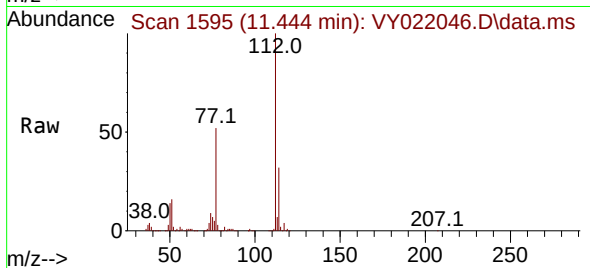
114 32.3 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 46.647 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

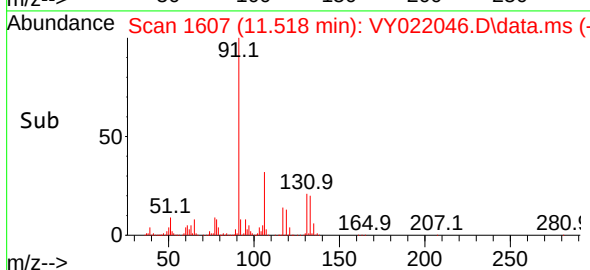
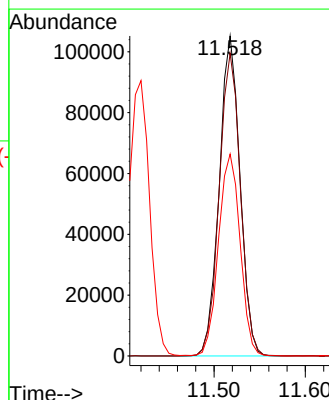
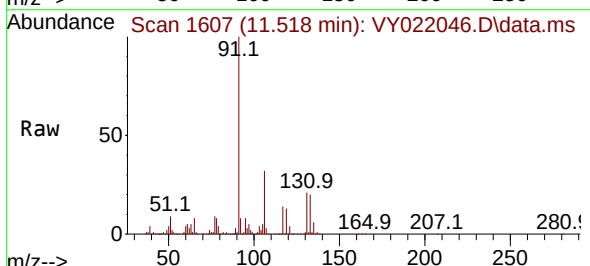
Tgt Ion:131 Resp: 166562

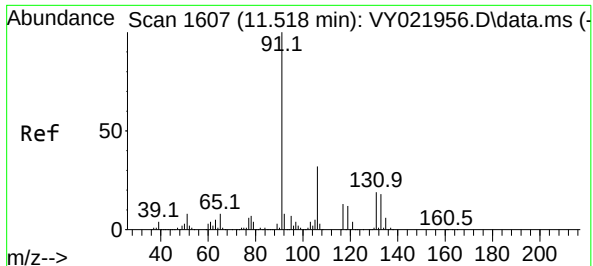
Ion Ratio Lower Upper

131 100

133 96.4 47.8 143.3

119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 47.678 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 791052

Ion Ratio Lower Upper

91 100

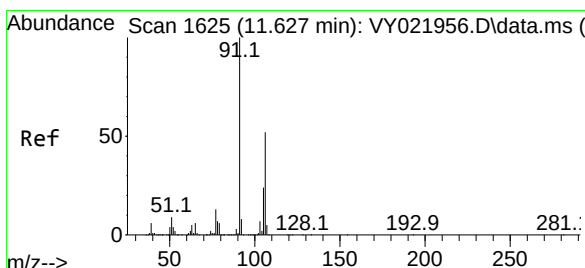
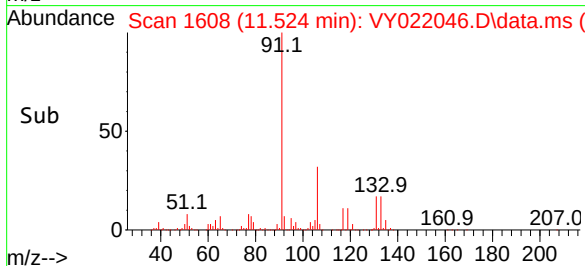
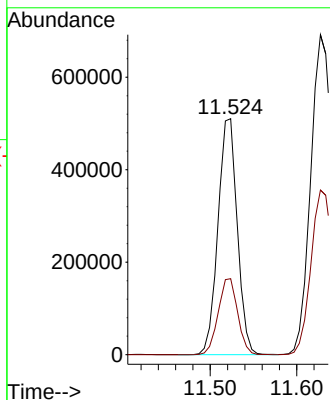
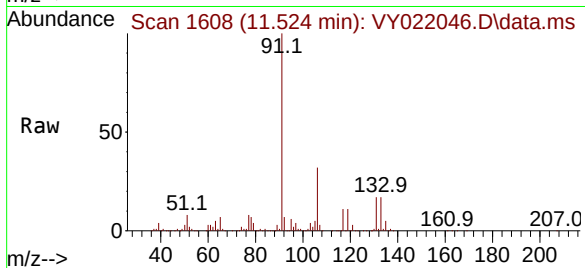
106 32.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#68

m/p-Xylenes

Concen: 97.760 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022046.D

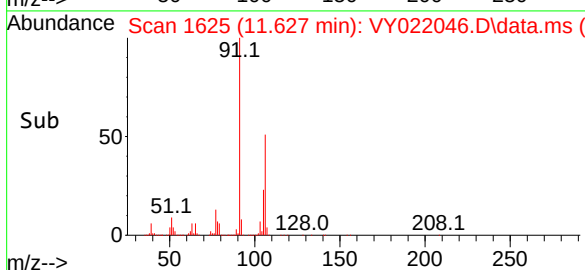
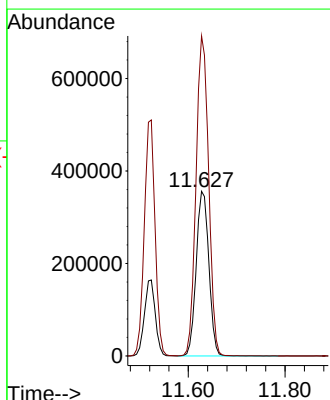
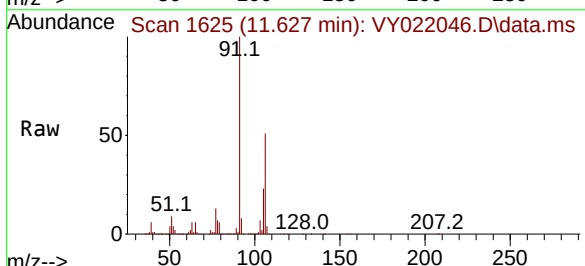
Acq: 29 Apr 2025 09:28

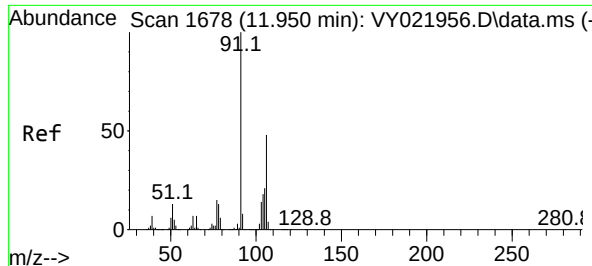
Tgt Ion:106 Resp: 645425

Ion Ratio Lower Upper

106 100

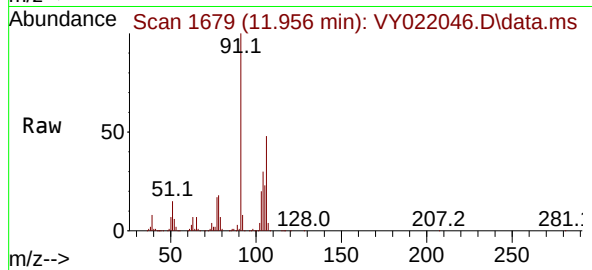
91 193.2 156.2 234.2





#69
o-Xylene
Concen: 48.395 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

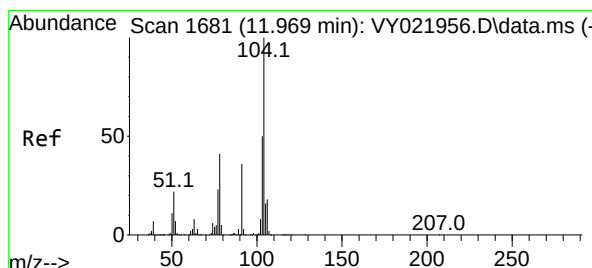
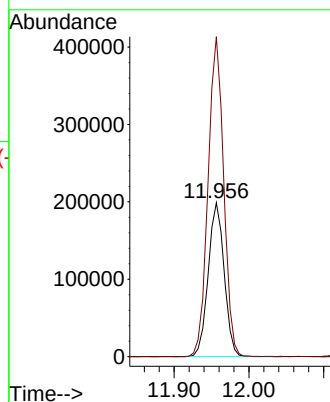
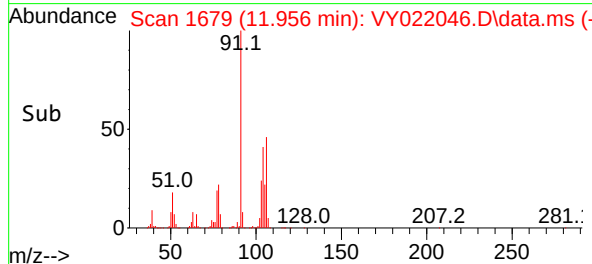
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 29448
Ion Ratio Lower Upper
106 100
91 203.5 103.0 308.9

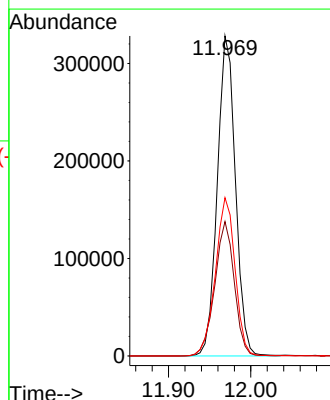
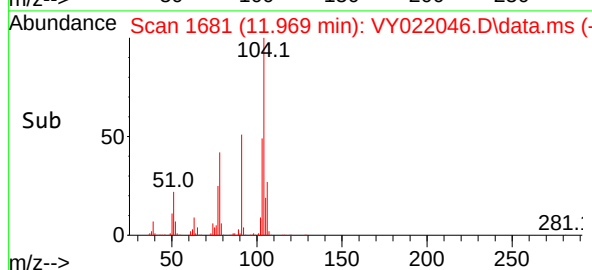
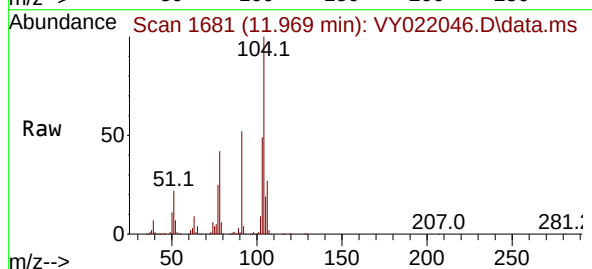
Manual Integrations
APPROVED

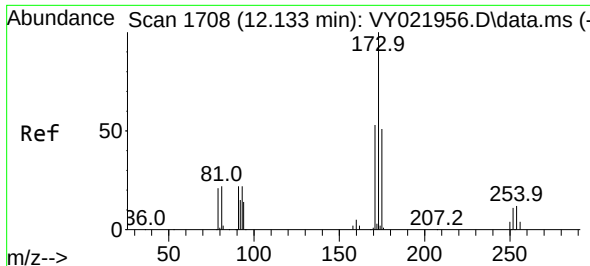
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#70
Styrene
Concen: 49.256 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

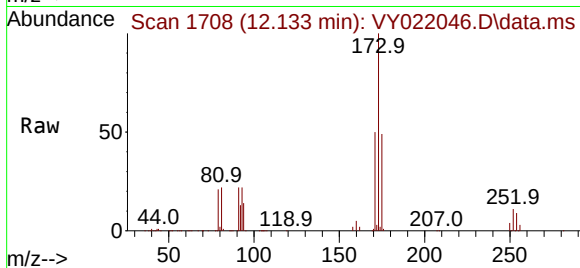
Tgt Ion:104 Resp: 503254
Ion Ratio Lower Upper
104 100
78 45.2 36.6 54.8
103 53.7 43.8 65.8





#71
Bromoform
Concen: 48.842 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

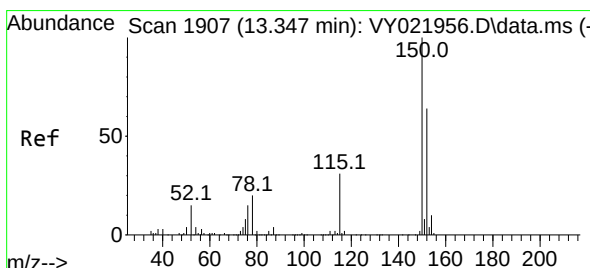
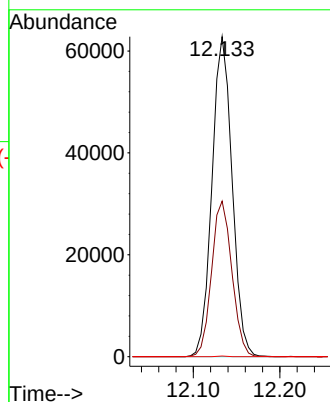
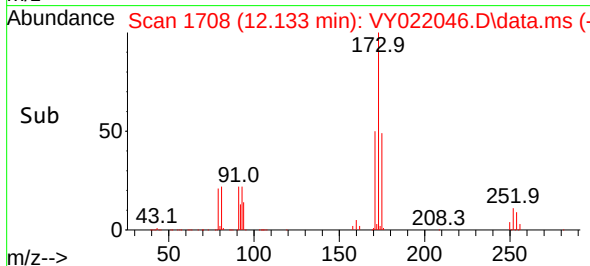
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



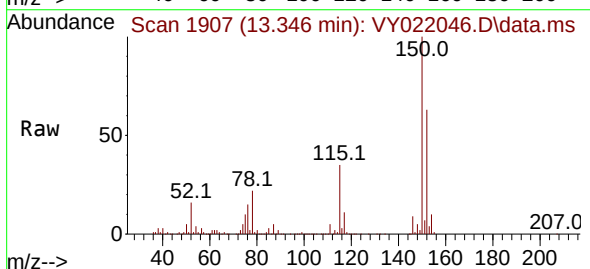
Tgt Ion:173 Resp: 10139
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.1 0.0 0.0

Manual Integrations
APPROVED

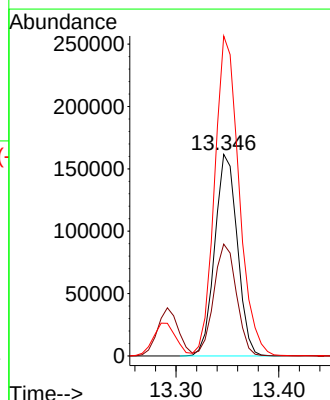
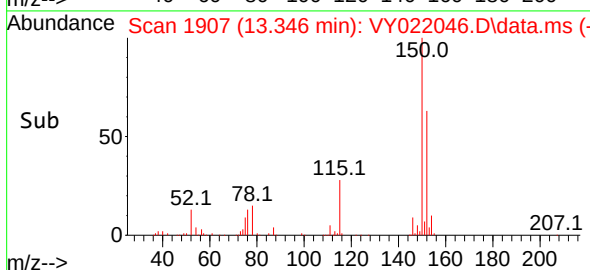
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

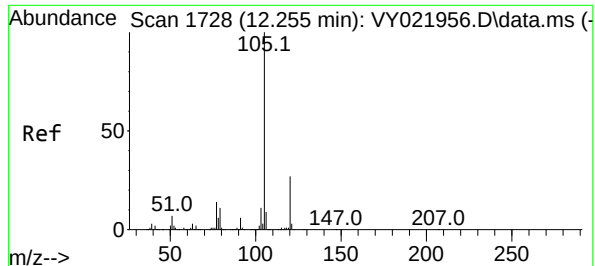


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28



Tgt Ion:152 Resp: 245911
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 172.1 0.0 345.6





#73

Isopropylbenzene

Concen: 47.173 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 775025

Ion Ratio Lower Upper

105 100

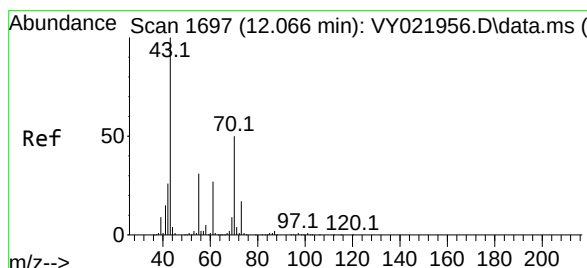
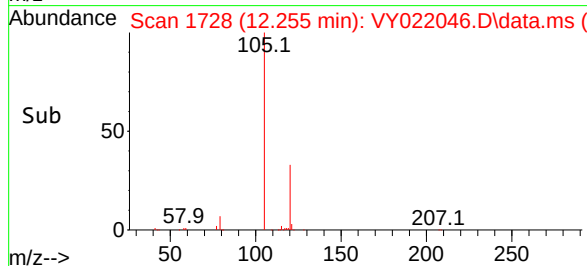
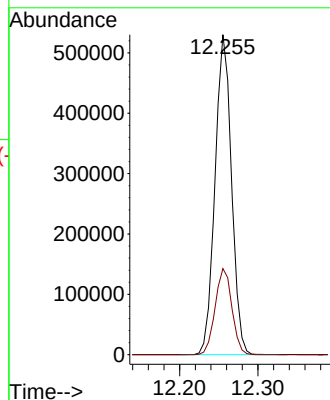
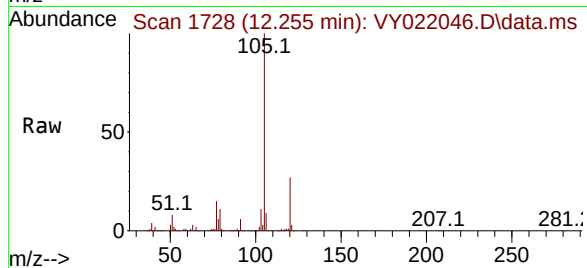
120 27.4 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#74

N-ethyl acetate

Concen: 45.674 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 128926

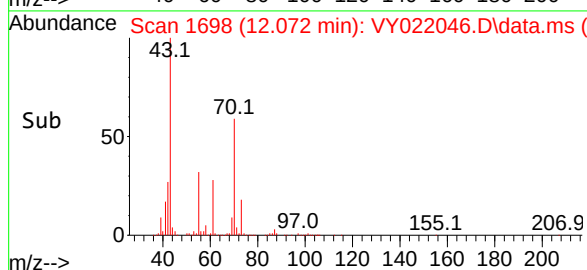
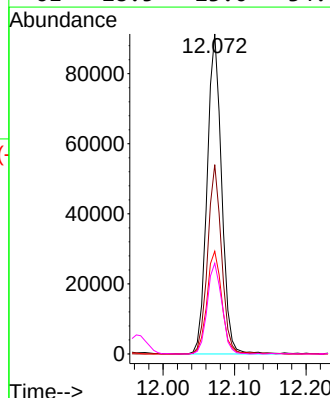
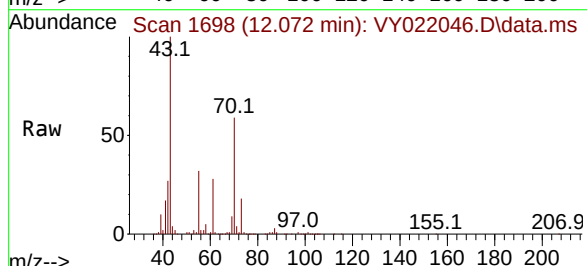
Ion Ratio Lower Upper

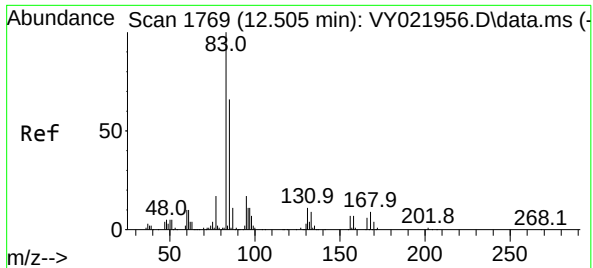
43 100

70 57.0 43.2 64.8

55 33.1 25.7 38.5

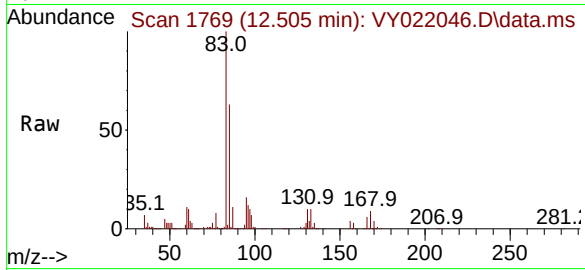
61 28.5 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 45.905 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

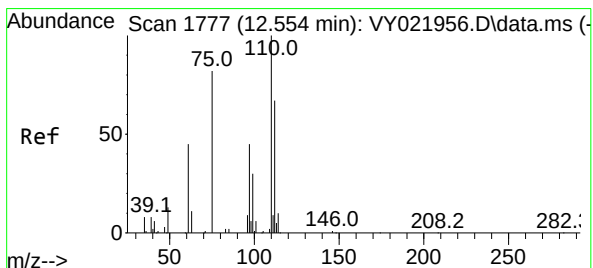
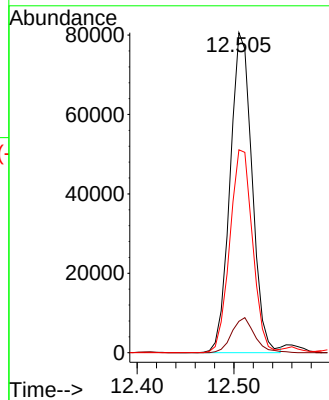
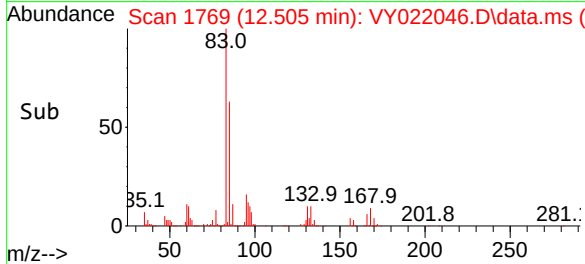
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



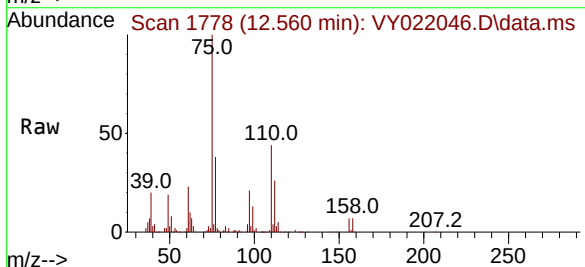
Tgt Ion: 83 Resp: 12715
Ion Ratio Lower Upper
83 100
131 11.4 5.5 16.4
85 65.6 32.3 96.8

Manual Integrations
APPROVED

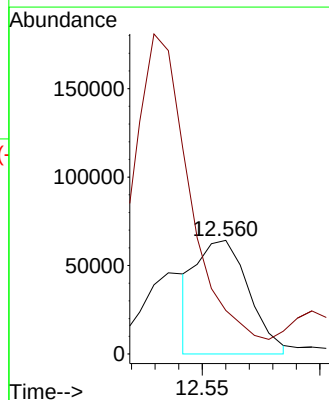
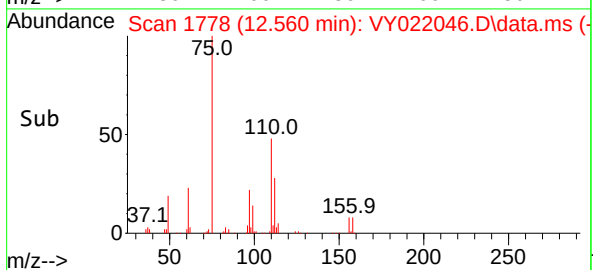
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

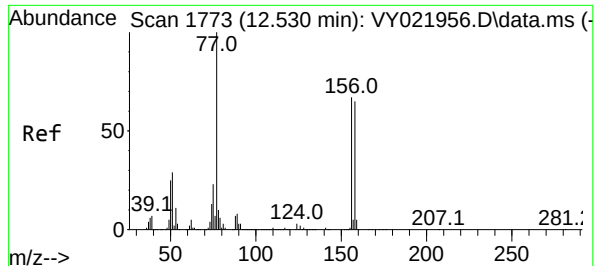


#76
1,2,3-Trichloropropane
Concen: 47.092 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28



Tgt Ion: 75 Resp: 99193
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.020 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

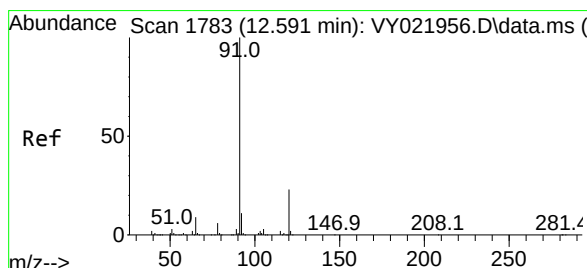
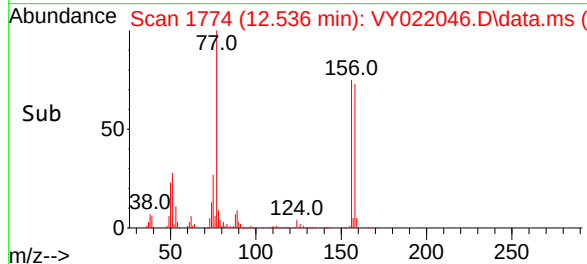
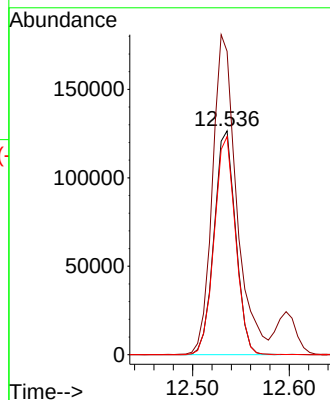
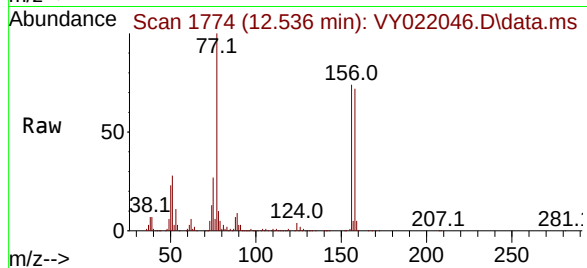
VSTDCCC050

Tgt Ion:	156	Resp:	19520
Ion Ratio	Lower	Upper	
156	100		
77	161.0	82.7	248.1
158	97.1	48.1	144.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#78

n-propylbenzene

Concen: 47.296 ug/l

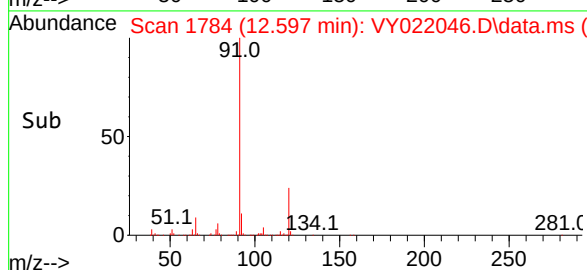
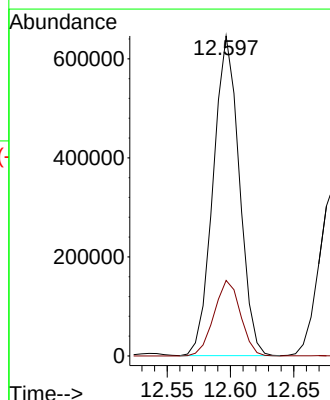
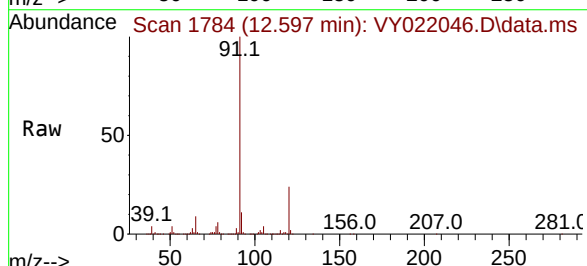
RT: 12.597 min Scan# 1784

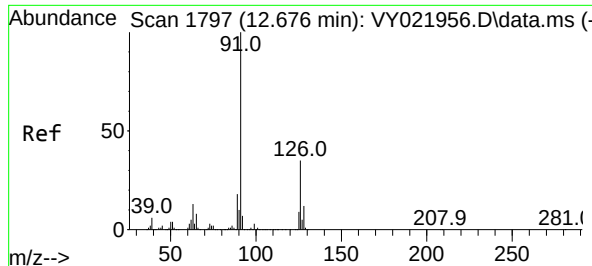
Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:	91	Resp:	925377
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 46.226 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 525989

Ion Ratio Lower Upper

91 100

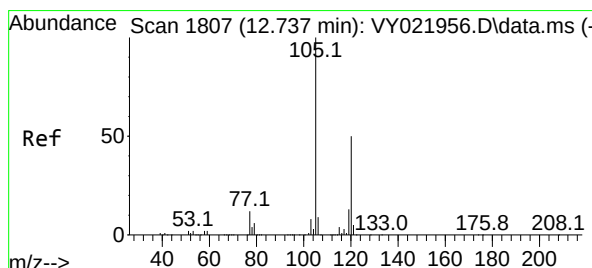
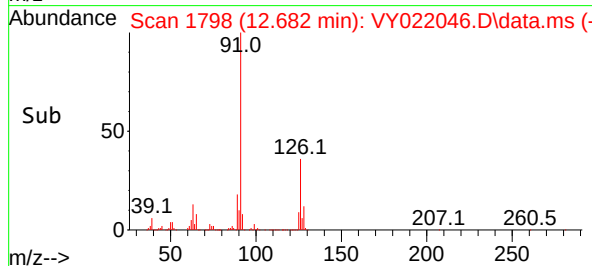
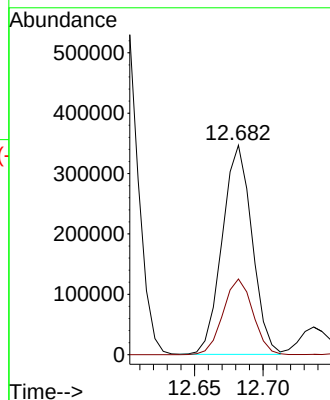
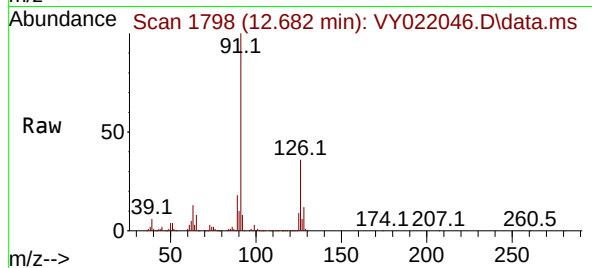
126 36.2 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 47.830 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022046.D

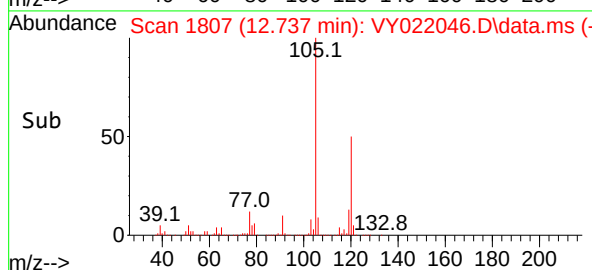
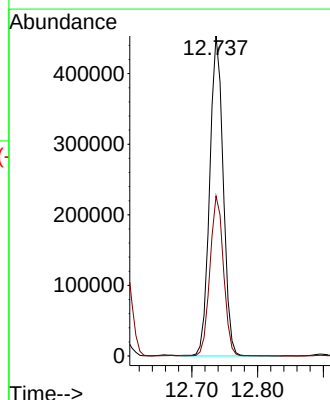
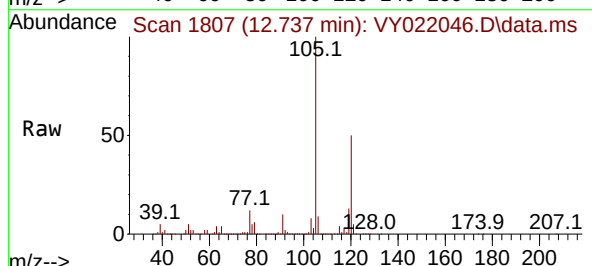
Acq: 29 Apr 2025 09:28

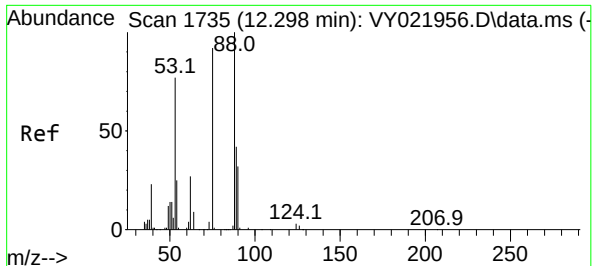
Tgt Ion:105 Resp: 647472

Ion Ratio Lower Upper

105 100

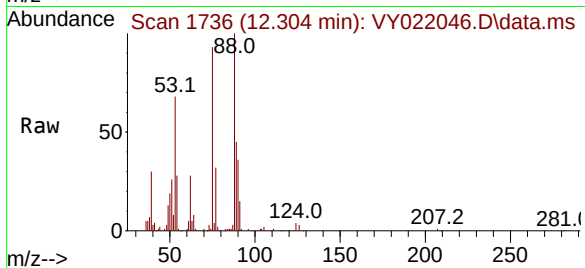
120 50.0 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 45.956 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

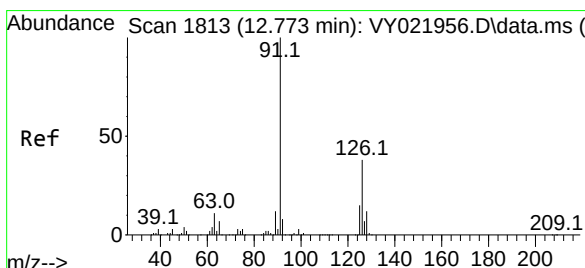
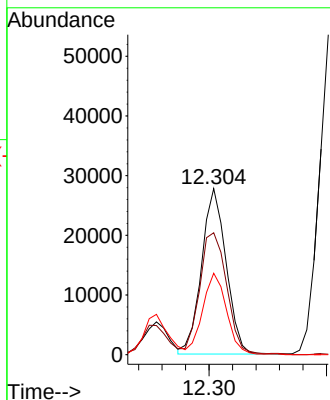
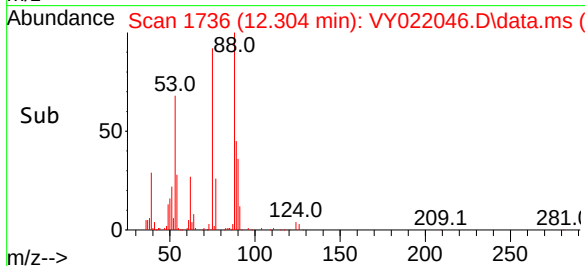
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 40197
Ion Ratio Lower Upper
75 100
53 82.4 66.0 99.0
89 48.3 37.2 55.8

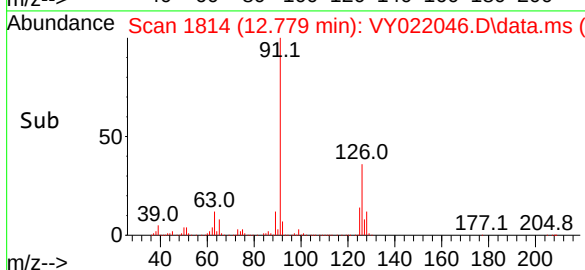
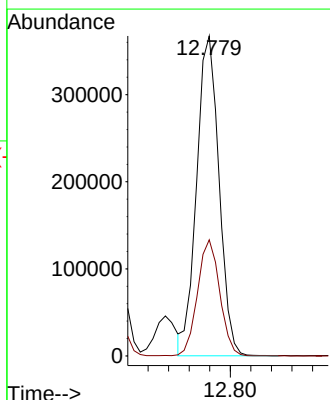
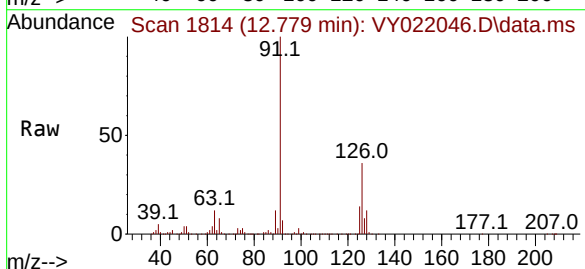
Manual Integrations
APPROVED

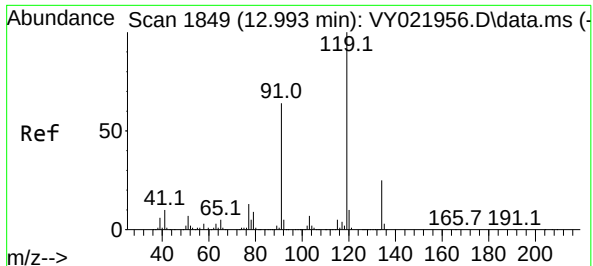
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#82
4-Chlorotoluene
Concen: 46.986 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 555774
Ion Ratio Lower Upper
91 100
126 36.1 17.9 53.8





#83

tert-Butylbenzene

Concen: 47.269 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 57387

Ion Ratio Lower Upper

119 100

91 61.0 30.3 90.9

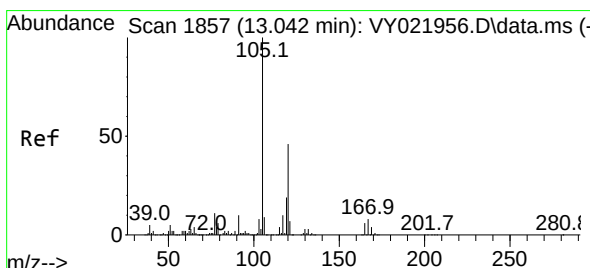
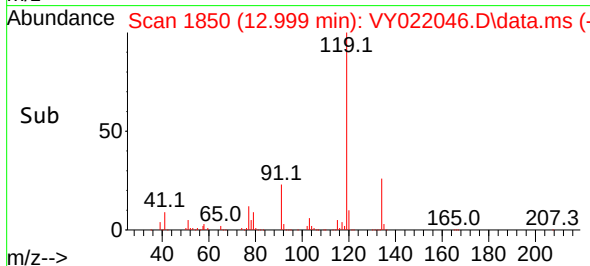
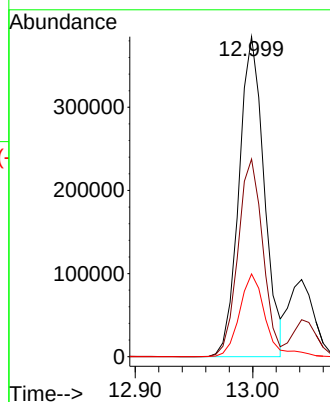
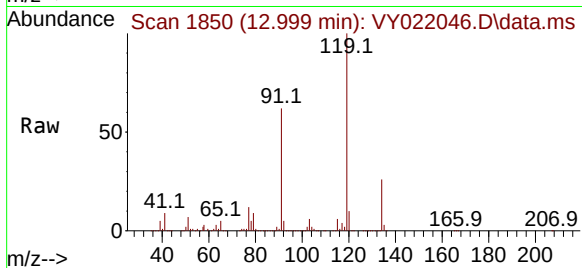
134 26.6 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 47.887 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022046.D

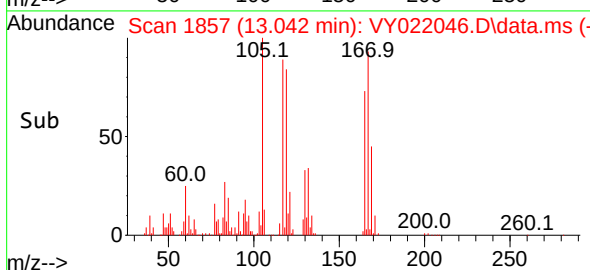
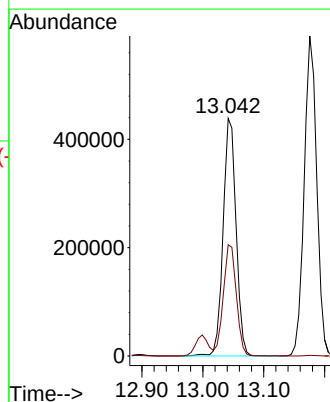
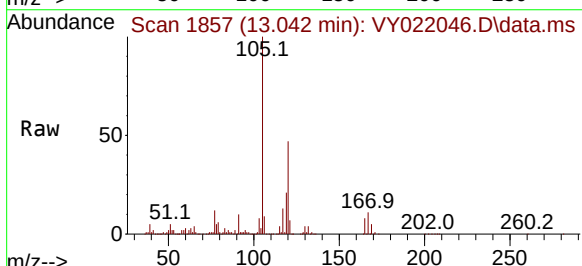
Acq: 29 Apr 2025 09:28

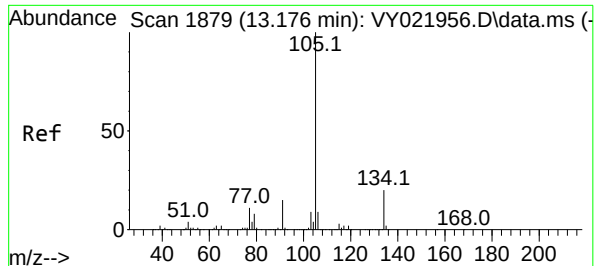
Tgt Ion:105 Resp: 648390

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 47.496 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 843779

Ion Ratio Lower Upper

105 100

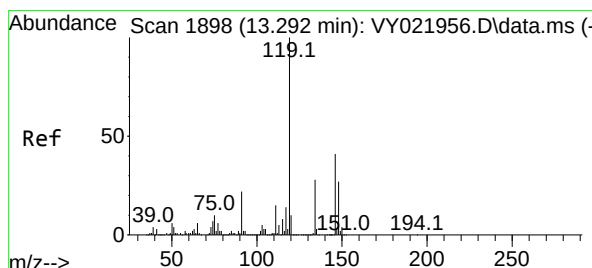
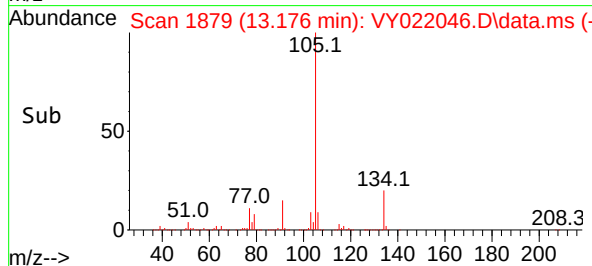
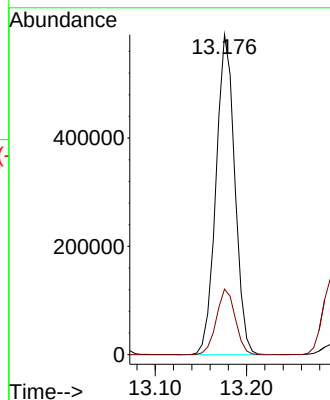
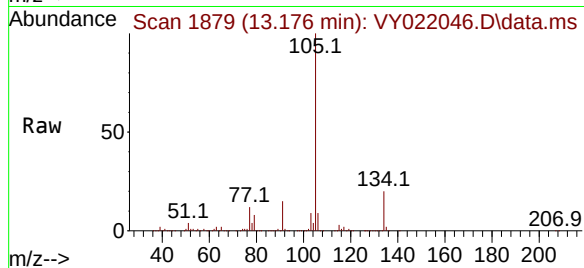
134 20.6 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#86

p-Isopropyltoluene

Concen: 48.314 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

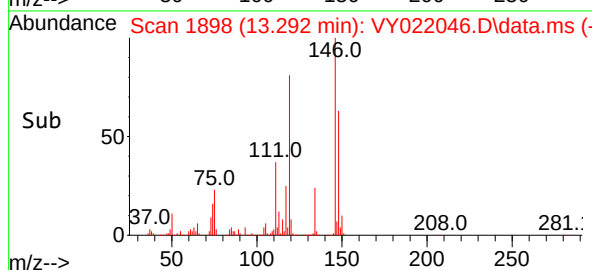
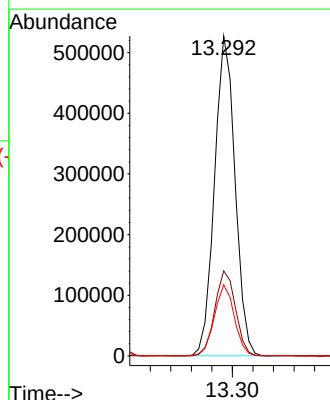
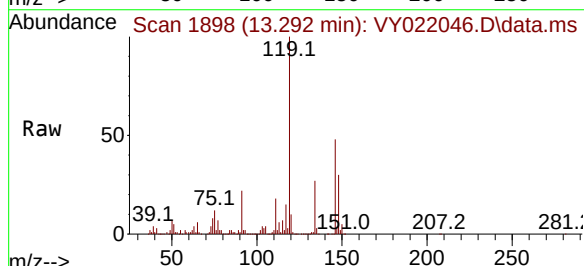
Tgt Ion:119 Resp: 728842

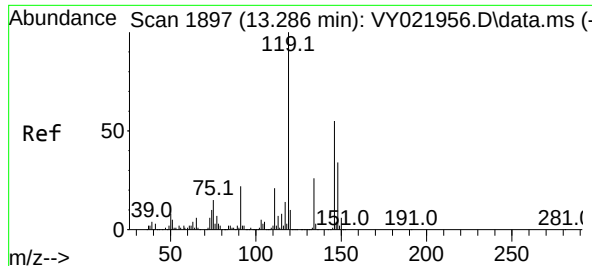
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 21.6 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 46.325 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

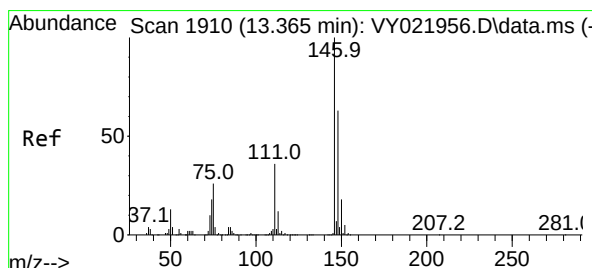
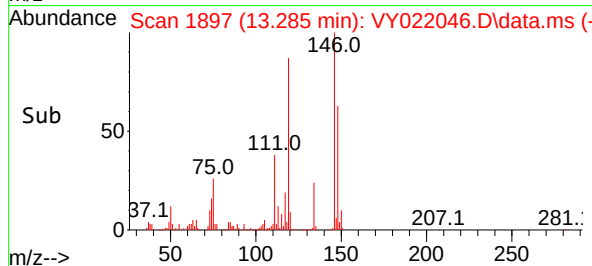
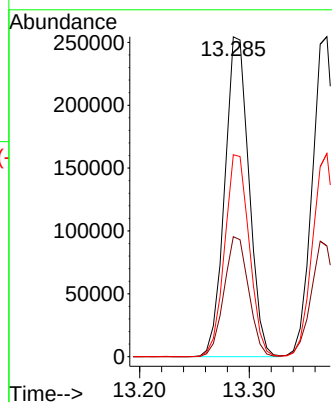
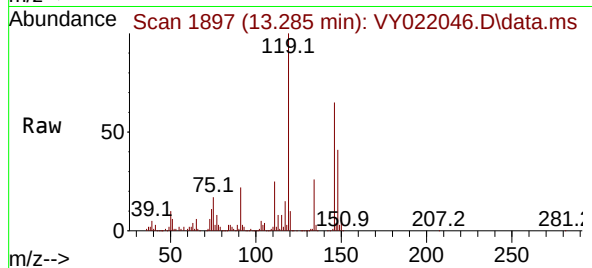
VSTDCCC050

Tgt Ion:	146	Resp:	39060
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	64.1	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#88

1,4-Dichlorobenzene

Concen: 46.327 ug/l

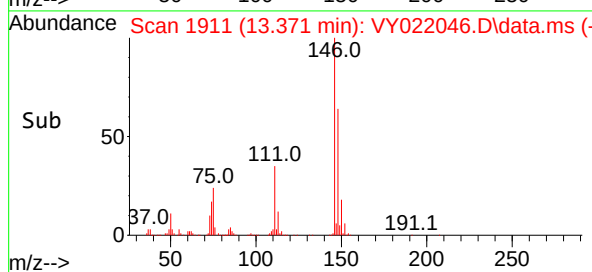
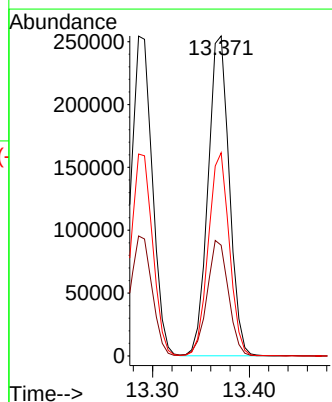
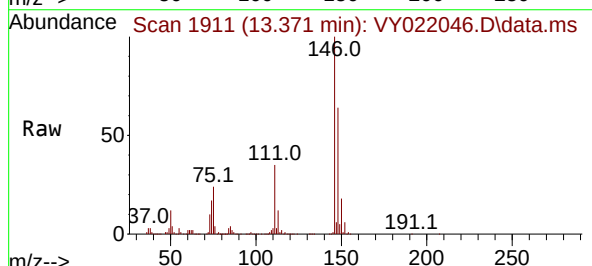
RT: 13.371 min Scan# 1911

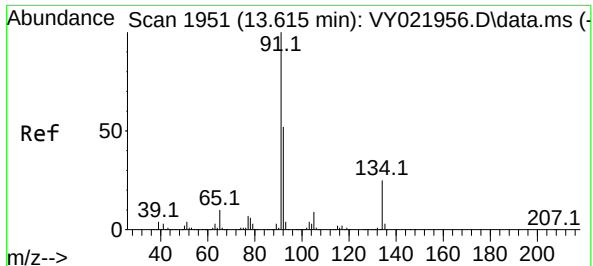
Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:	146	Resp:	386869
Ion	Ratio	Lower	Upper
146	100		
111	36.3	19.2	57.6
148	63.1	32.0	96.0





#89

n-Butylbenzene

Concen: 46.748 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

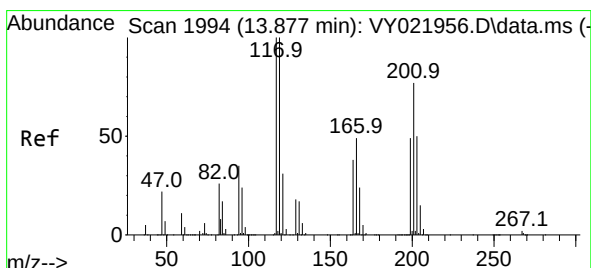
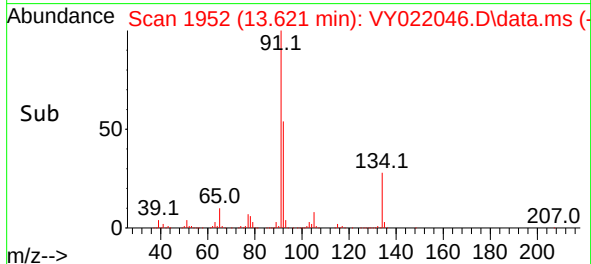
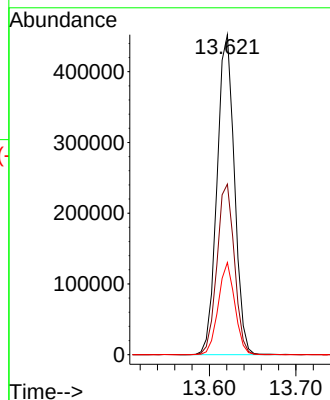
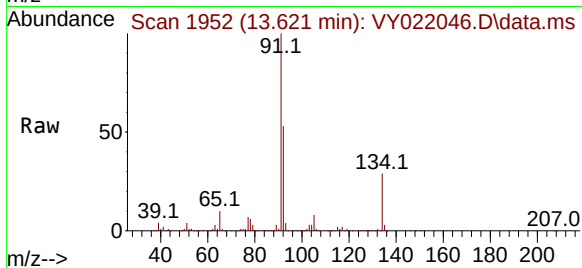
VSTDCCC050

Tgt Ion:	91	Resp:	630349
Ion Ratio	Lower	Upper	
91	100		
92	53.5	26.5	79.5
134	27.5	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#90

Hexachloroethane

Concen: 45.482 ug/l

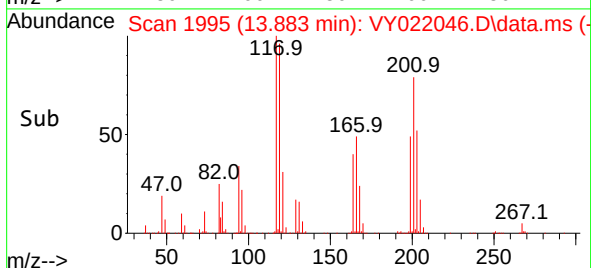
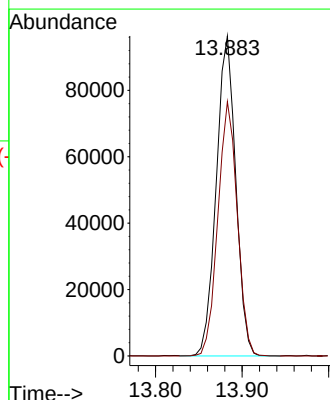
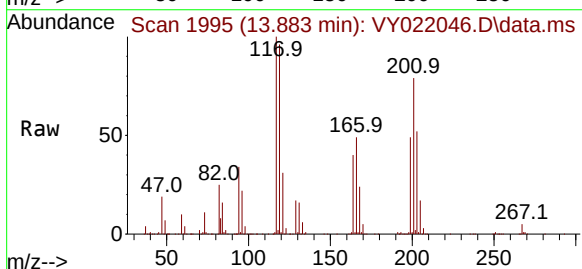
RT: 13.883 min Scan# 1995

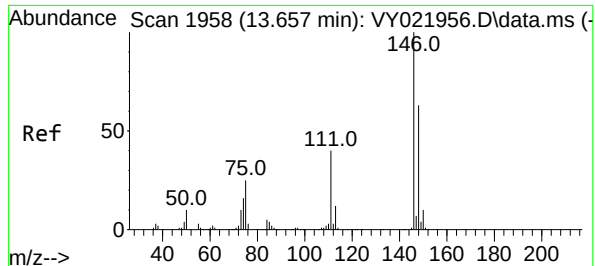
Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:	117	Resp:	150746
Ion Ratio	Lower	Upper	
117	100		
201	79.0	38.7	116.1





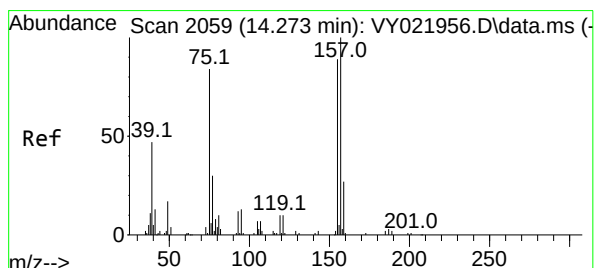
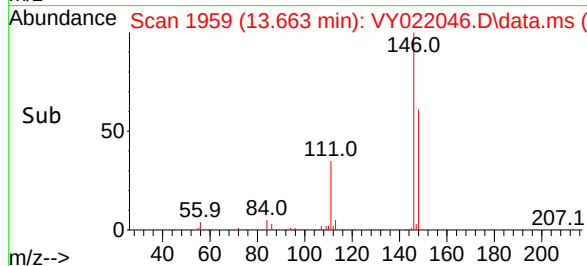
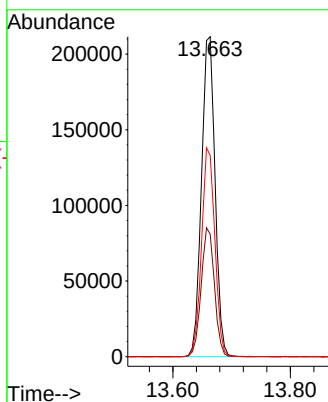
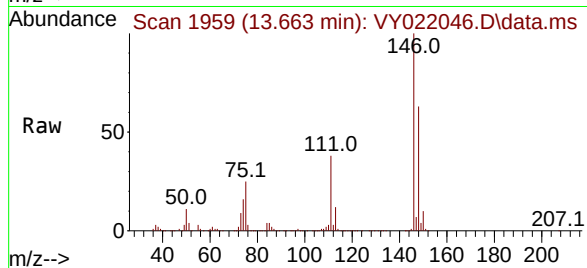
#91
1,2-Dichlorobenzene
Concen: 46.013 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 33838
Ion Ratio Lower Upper
146 100
111 39.4 19.7 59.1
148 64.2 32.1 96.3

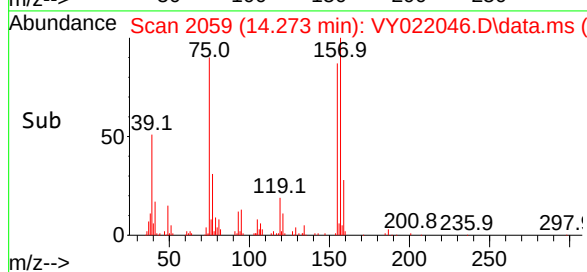
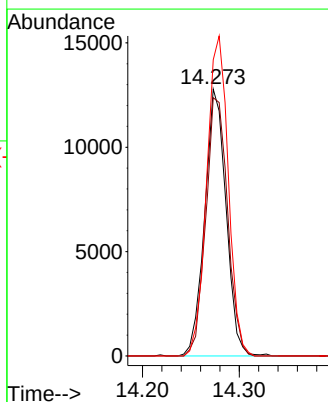
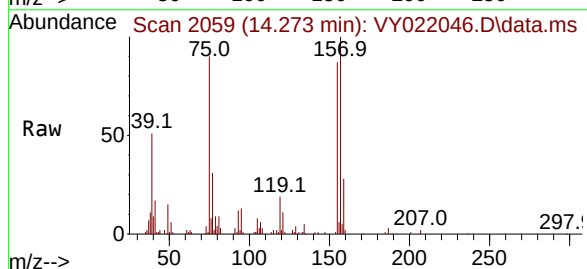
Manual Integrations
APPROVED

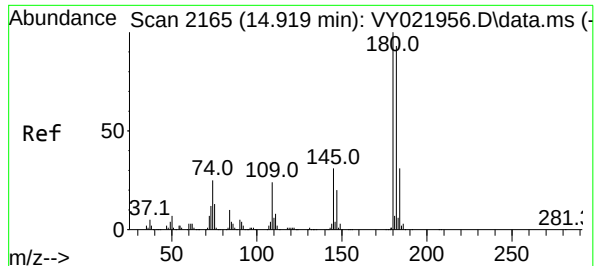
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.539 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 19628
Ion Ratio Lower Upper
75 100
155 99.1 50.7 152.3
157 120.9 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 47.361 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

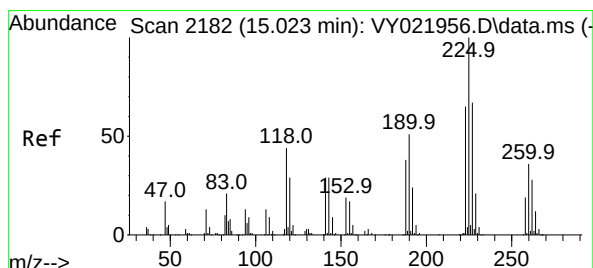
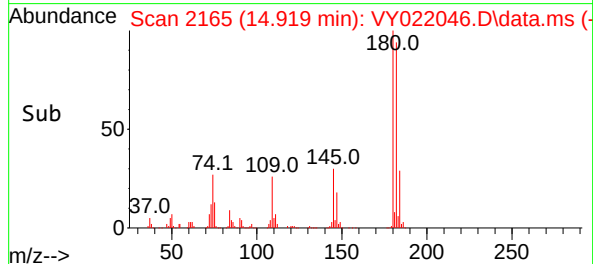
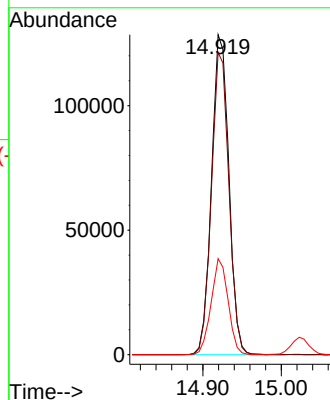
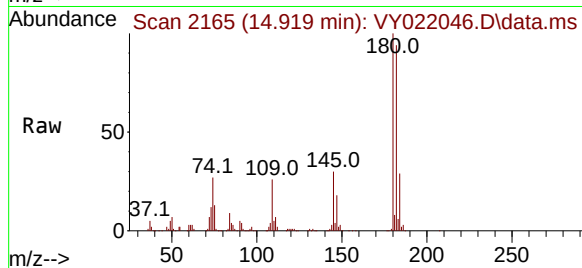
VSTDCCC050

Tgt Ion:	180	Resp:	19737
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.1	141.4
145	29.4	15.0	45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#94

Hexachlorobutadiene

Concen: 46.396 ug/l

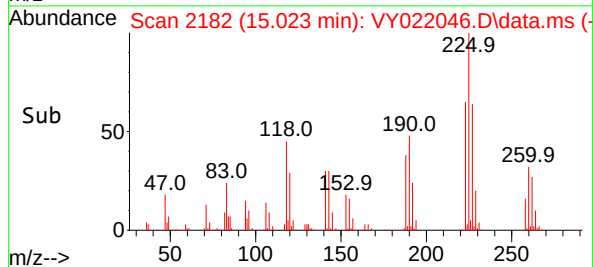
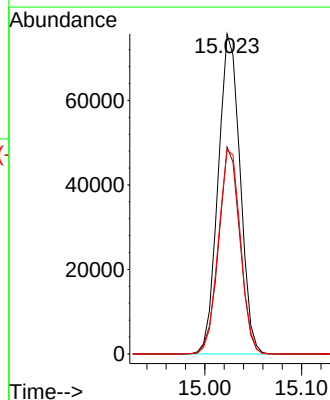
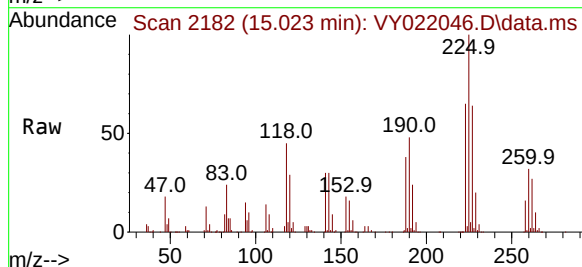
RT: 15.023 min Scan# 2182

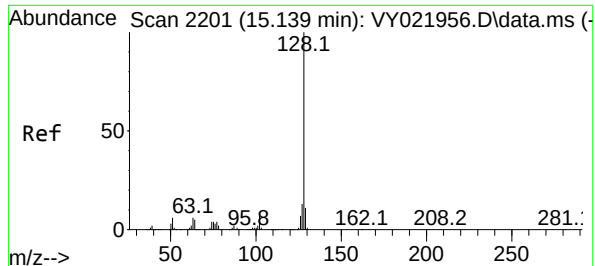
Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:	225	Resp:	118961
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.5
227	64.3	32.3	96.9





#95

Naphthalene

Concen: 48.746 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 337462

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

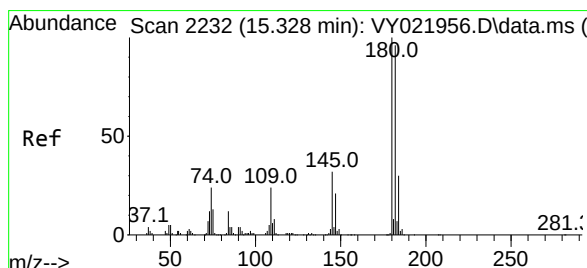
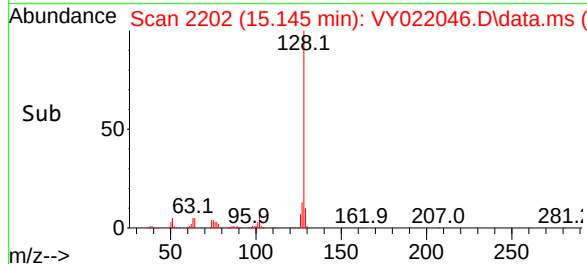
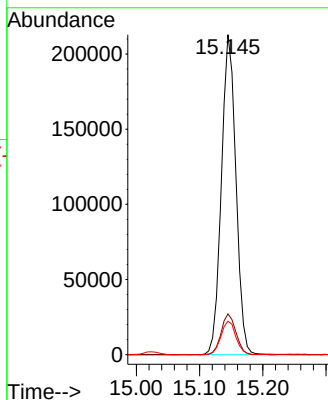
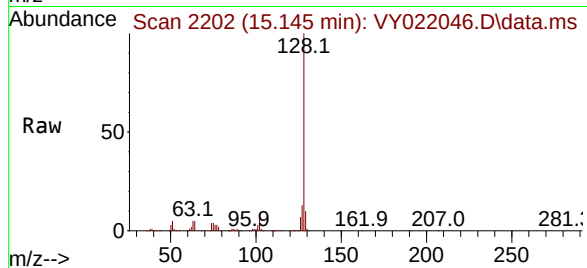
129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 47.880 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

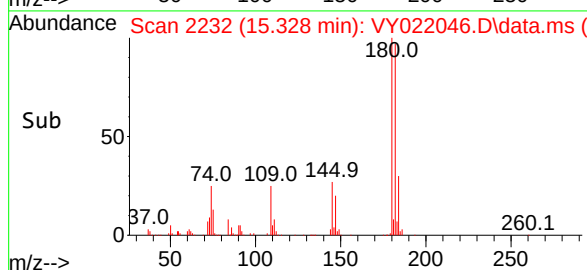
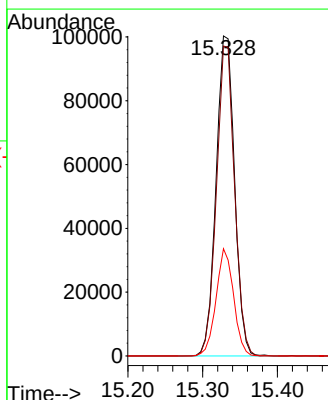
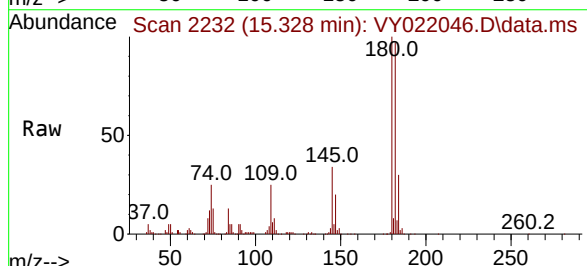
Tgt Ion:180 Resp: 172242

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 31.9 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2 T	Dichlorodifluoromethane	0.426	0.371	12.9	97	0.00
3 P	Chloromethane	0.607	0.532	12.4	91	0.00
4 C	Vinyl Chloride	0.745	0.666	10.6#	94	0.00
5 T	Bromomethane	0.642	0.514	19.9	89	0.00
6 T	Chloroethane	0.508	0.429	15.6	89	0.00
7 T	Trichlorofluoromethane	0.983	0.856	12.9	92	0.00
8 T	Diethyl Ether	0.256	0.216	15.6	90	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.533	0.466	12.6	98	0.00
10 T	Methyl Iodide	0.617	0.574	7.0	94	0.00
11 T	Tert butyl alcohol	0.025	0.023	8.0	89	0.00
12 CM	1,1-Dichloroethene	0.497	0.442	11.1#	96	0.00
13 T	Acrolein	0.046	0.043	6.5	103	0.00
14 T	Allyl chloride	0.579	0.501	13.5	93	0.00
15 T	Acrylonitrile	0.094	0.084	10.6	92	0.00
16 T	Acetone	0.070	0.065	7.1	106	0.00
17 T	Carbon Disulfide	1.585	1.366	13.8	94	0.00
18 T	Methyl Acetate	0.216	0.209	3.2	96	0.00
19 T	Methyl tert-butyl Ether	1.113	1.008	9.4	91	0.00
20 T	Methylene Chloride	0.584	0.468	19.9	90	0.00
21 T	trans-1,2-Dichloroethene	0.557	0.489	12.2	94	0.01
22 T	Diisopropyl ether	1.288	1.156	10.2	92	0.00
23 T	Vinyl Acetate	0.694	0.630	9.2	90	0.00
24 P	1,1-Dichloroethane	0.893	0.776	13.1	93	0.00
25 T	2-Butanone	0.105	0.098	6.7	95	0.00
26 T	2,2-Dichloropropane	0.782	0.709	9.3	98	0.00
27 T	cis-1,2-Dichloroethene	0.622	0.558	10.3	94	0.00
28 T	Bromochloromethane	0.347	0.322	7.2	96	0.00
29 T	Tetrahydrofuran	0.068	0.063	7.4	89	0.00
30 C	Chloroform	0.990	0.877	11.4#	94	0.00
31 T	Cyclohexane	0.763	0.661	13.4	96	0.00
32 T	1,1,1-Trichloroethane	0.896	0.789	11.9	95	0.00
33 S	1,2-Dichloroethane-d4	0.462	0.402	13.0	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.330	0.314	4.8	92	0.00
36 T	1,1-Dichloropropene	0.444	0.412	7.2	94	0.00
37 T	Ethyl Acetate	0.159	0.152	4.4	91	0.00
38 T	Carbon Tetrachloride	0.530	0.509	4.0	97	0.00
39 T	Methylcyclohexane	0.558	0.529	5.2	93	0.00
40 TM	Benzene	1.387	1.301	6.2	95	0.00
41 T	Methacrylonitrile	0.087	0.072	17.2	76	0.00
42 TM	1,2-Dichloroethane	0.343	0.319	7.0	92	0.00
43 T	Isopropyl Acetate	0.306	0.284	7.2	88	0.00
44 TM	Trichloroethene	0.384	0.360	6.3	95	0.00
45 C	1,2-Dichloropropane	0.307	0.287	6.5#	93	0.00
46 T	Dibromomethane	0.192	0.181	5.7	94	0.00
47 T	Bromodichloromethane	0.480	0.457	4.8	94	0.00
48 T	Methyl methacrylate	0.141	0.139	1.4	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	98	0.00
50 S	Toluene-d8	1.245	1.202	3.5	92	0.00
51 T	4-Methyl-2-Pentanone	0.160	0.161	-0.6	91	0.00
52 CM	Toluene	0.898	0.870	3.1#	95	0.00
53 T	t-1,3-Dichloropropene	0.411	0.393	4.4	92	0.00
54 T	cis-1,3-Dichloropropene	0.489	0.462	5.5	93	0.00
55 T	1,1,2-Trichloroethane	0.256	0.247	3.5	94	0.00
56 T	Ethyl methacrylate	0.293	0.293	0.0	90	0.00
57 T	1,3-Dichloropropane	0.411	0.395	3.9	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.143	0.152	-6.3	92	0.00
59 T	2-Hexanone	0.106	0.109	-2.8	92	0.00
60 T	Dibromochloromethane	0.355	0.349	1.7	96	0.00
61 T	1,2-Dibromoethane	0.242	0.236	2.5	95	0.00
62 S	4-Bromofluorobenzene	0.419	0.404	3.6	92	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.472	0.449	4.9	98	0.00
65 PM	Chlorobenzene	1.118	1.034	7.5	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.367	6.9	94	0.00
67 C	Ethyl Benzene	1.829	1.744	4.6#	94	0.00
68 T	m/p-Xylenes	0.728	0.712	2.2	96	0.00
69 T	o-Xylene	0.671	0.649	3.3	93	0.00
70 T	Styrene	1.126	1.110	1.4	94	0.00
71 P	Bromoform	0.229	0.224	2.2	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.341	3.152	5.7	95	0.00
74 T	N-amyl acetate	0.574	0.524	8.7	89	0.00
75 P	1,1,2,2-Tetrachloroethane	0.563	0.517	8.2	94	0.00
76 T	1,2,3-Trichloropropane	0.428	0.403	5.8	100	0.00
77 T	Bromobenzene	0.844	0.794	5.9	96	0.00
78 T	n-propylbenzene	3.978	3.763	5.4	95	0.00
79 T	2-Chlorotoluene	2.314	2.139	7.6	94	0.00
80 T	1,3,5-Trimethylbenzene	2.752	2.633	4.3	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.178	0.163	8.4	92	0.00
82 T	4-Chlorotoluene	2.405	2.260	6.0	95	0.00
83 T	tert-Butylbenzene	2.468	2.334	5.4	94	0.00
84 T	1,2,4-Trimethylbenzene	2.753	2.637	4.2	95	0.00
85 T	sec-Butylbenzene	3.612	3.431	5.0	95	0.00
86 T	p-Isopropyltoluene	3.067	2.964	3.4	96	0.00
87 T	1,3-Dichlorobenzene	1.714	1.588	7.4	96	0.00
88 T	1,4-Dichlorobenzene	1.698	1.573	7.4	97	0.00
89 T	n-Butylbenzene	2.742	2.563	6.5	93	0.00
90 T	Hexachloroethane	0.674	0.613	9.1	96	0.00
91 T	1,2-Dichlorobenzene	1.495	1.376	8.0	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.090	0.080	11.1	95	0.00
93 T	1,2,4-Trichlorobenzene	0.847	0.803	5.2	98	0.00
94 T	Hexachlorobutadiene	0.521	0.484	7.1	101	0.00
95 T	Naphthalene	1.408	1.372	2.6	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.700	4.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2 T	Dichlorodifluoromethane	50.000	43.507	13.0	97	0.00
3 P	Chloromethane	50.000	43.839	12.3	91	0.00
4 C	Vinyl Chloride	50.000	44.638	10.7#	94	0.00
5 T	Bromomethane	50.000	39.979	20.0	89	0.00
6 T	Chloroethane	50.000	42.293	15.4	89	0.00
7 T	Trichlorofluoromethane	50.000	43.517	13.0	92	0.00
8 T	Diethyl Ether	50.000	42.265	15.5	90	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	43.664	12.7	98	0.00
10 T	Methyl Iodide	50.000	46.504	7.0	94	0.00
11 T	Tert butyl alcohol	250.000	223.602	10.6	89	0.00
12 CM	1,1-Dichloroethene	50.000	44.442	11.1#	96	0.00
13 T	Acrolein	250.000	233.968	6.4	103	0.00
14 T	Allyl chloride	50.000	43.306	13.4	93	0.00
15 T	Acrylonitrile	250.000	223.027	10.8	92	0.00
16 T	Acetone	250.000	271.364	-8.5	106	0.00
17 T	Carbon Disulfide	50.000	43.107	13.8	94	0.00
18 T	Methyl Acetate	50.000	48.392	3.2	96	0.00
19 T	Methyl tert-butyl Ether	50.000	45.315	9.4	91	0.00
20 T	Methylene Chloride	50.000	40.043	19.9	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	43.924	12.2	94	0.01
22 T	Diisopropyl ether	50.000	44.895	10.2	92	0.00
23 T	Vinyl Acetate	250.000	226.736	9.3	90	0.00
24 P	1,1-Dichloroethane	50.000	43.448	13.1	93	0.00
25 T	2-Butanone	250.000	232.499	7.0	95	0.00
26 T	2,2-Dichloropropane	50.000	45.304	9.4	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	44.805	10.4	94	0.00
28 T	Bromochloromethane	50.000	46.456	7.1	96	0.00
29 T	Tetrahydrofuran	250.000	232.133	7.1	89	0.00
30 C	Chloroform	50.000	44.298	11.4#	94	0.00
31 T	Cyclohexane	50.000	43.306	13.4	96	0.00
32 T	1,1,1-Trichloroethane	50.000	44.057	11.9	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	43.532	12.9	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	47.486	5.0	92	0.00
36 T	1,1-Dichloropropene	50.000	46.442	7.1	94	0.00
37 T	Ethyl Acetate	50.000	47.597	4.8	91	0.00
38 T	Carbon Tetrachloride	50.000	48.012	4.0	97	0.00
39 T	Methylcyclohexane	50.000	47.325	5.3	93	0.00
40 TM	Benzene	50.000	46.906	6.2	95	0.00
41 T	Methacrylonitrile	50.000	41.395	17.2	76	0.00
42 TM	1,2-Dichloroethane	50.000	46.477	7.0	92	0.00
43 T	Isopropyl Acetate	50.000	46.389	7.2	88	0.00
44 TM	Trichloroethene	50.000	46.887	6.2	95	0.00
45 C	1,2-Dichloropropane	50.000	46.764	6.5#	93	0.00
46 T	Dibromomethane	50.000	47.082	5.8	94	0.00
47 T	Bromodichloromethane	50.000	47.592	4.8	94	0.00
48 T	Methyl methacrylate	50.000	49.274	1.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	997.336	0.3	98	0.00
50 S	Toluene-d8	50.000	48.273	3.5	92	0.00
51 T	4-Methyl-2-Pentanone	250.000	250.912	-0.4	91	0.00
52 CM	Toluene	50.000	48.468	3.1#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	47.779	4.4	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.184	5.6	93	0.00
55 T	1,1,2-Trichloroethane	50.000	48.179	3.6	94	0.00
56 T	Ethyl methacrylate	50.000	49.904	0.2	90	0.00
57 T	1,3-Dichloropropane	50.000	48.021	4.0	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	264.171	-5.7	92	0.00
59 T	2-Hexanone	250.000	257.500	-3.0	92	0.00
60 T	Dibromochloromethane	50.000	49.071	1.9	96	0.00
61 T	1,2-Dibromoethane	50.000	48.774	2.5	95	0.00
62 S	4-Bromofluorobenzene	50.000	48.133	3.7	92	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	47.647	4.7	98	0.00
65 PM	Chlorobenzene	50.000	46.234	7.5	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.647	6.7	94	0.00
67 C	Ethyl Benzene	50.000	47.678	4.6#	94	0.00
68 T	m/p-Xylenes	100.000	97.760	2.2	96	0.00
69 T	o-Xylene	50.000	48.395	3.2	93	0.00
70 T	Styrene	50.000	49.256	1.5	94	0.00
71 P	Bromoform	50.000	48.842	2.3	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	47.173	5.7	95	0.00
74 T	N-amyl acetate	50.000	45.674	8.7	89	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.905	8.2	94	0.00
76 T	1,2,3-Trichloropropane	50.000	47.092	5.8	100	0.00
77 T	Bromobenzene	50.000	47.020	6.0	96	0.00
78 T	n-propylbenzene	50.000	47.296	5.4	95	0.00
79 T	2-Chlorotoluene	50.000	46.226	7.5	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.830	4.3	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.956	8.1	92	0.00
82 T	4-Chlorotoluene	50.000	46.986	6.0	95	0.00
83 T	tert-Butylbenzene	50.000	47.269	5.5	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.887	4.2	95	0.00
85 T	sec-Butylbenzene	50.000	47.496	5.0	95	0.00
86 T	p-Isopropyltoluene	50.000	48.314	3.4	96	0.00
87 T	1,3-Dichlorobenzene	50.000	46.325	7.3	96	0.00
88 T	1,4-Dichlorobenzene	50.000	46.327	7.3	97	0.00
89 T	n-Butylbenzene	50.000	46.748	6.5	93	0.00
90 T	Hexachloroethane	50.000	45.482	9.0	96	0.00
91 T	1,2-Dichlorobenzene	50.000	46.013	8.0	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.539	10.9	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.361	5.3	98	0.00
94 T	Hexachlorobutadiene	50.000	46.396	7.2	101	0.00
95 T	Naphthalene	50.000	48.746	2.5	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	47.880	4.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

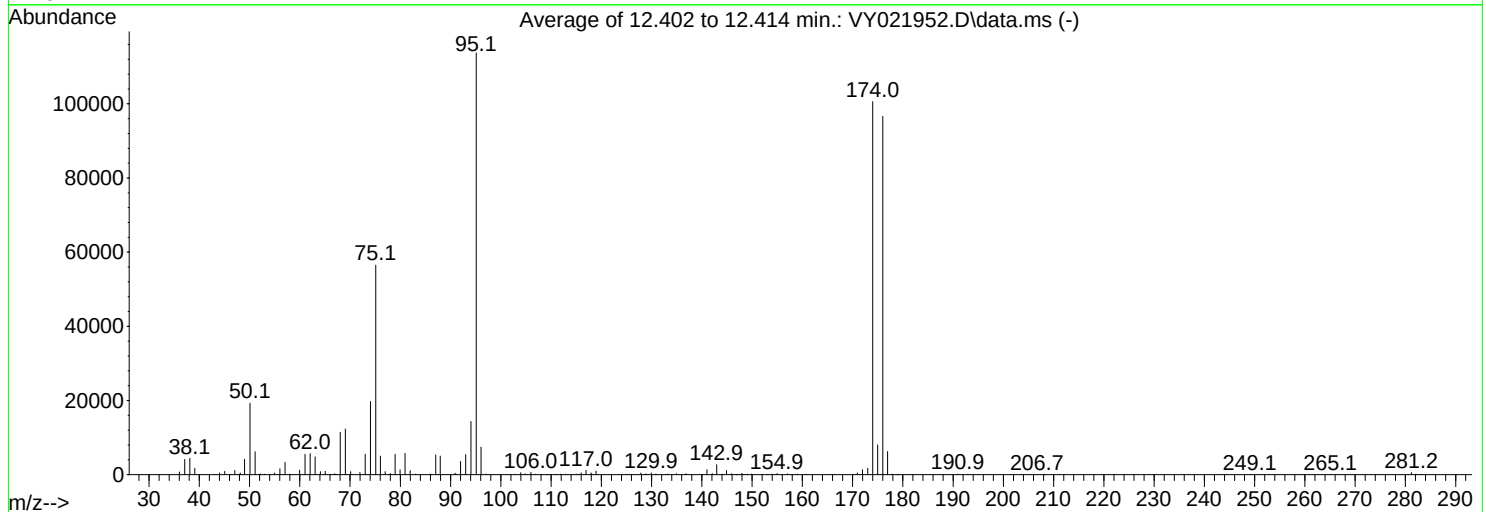
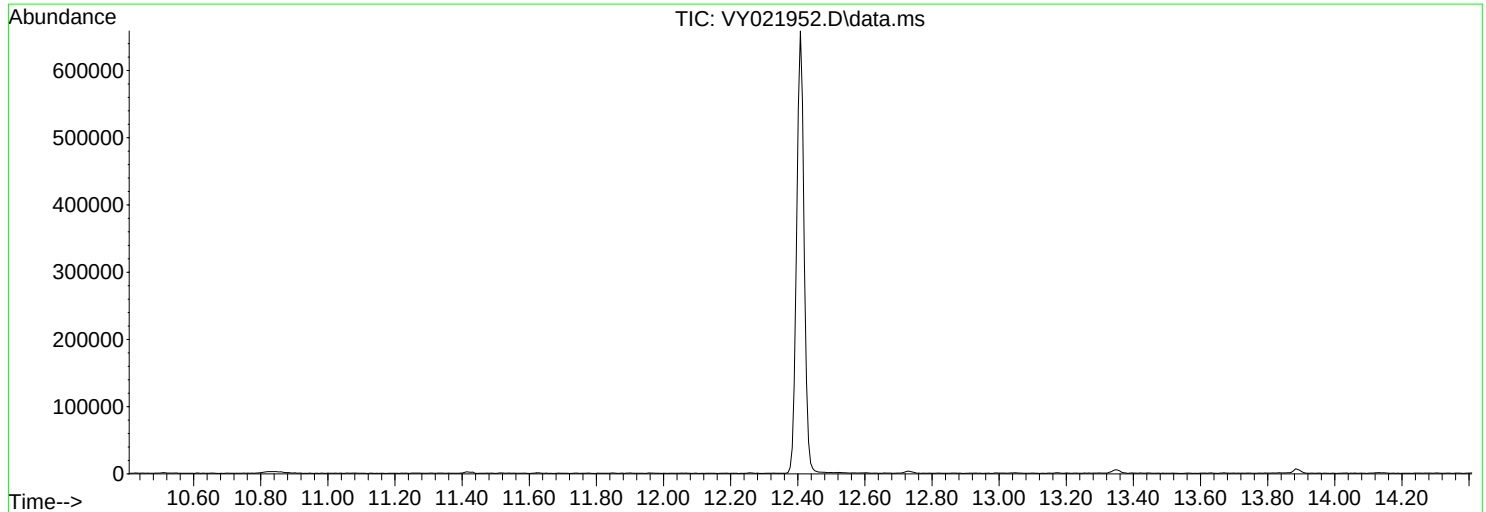
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

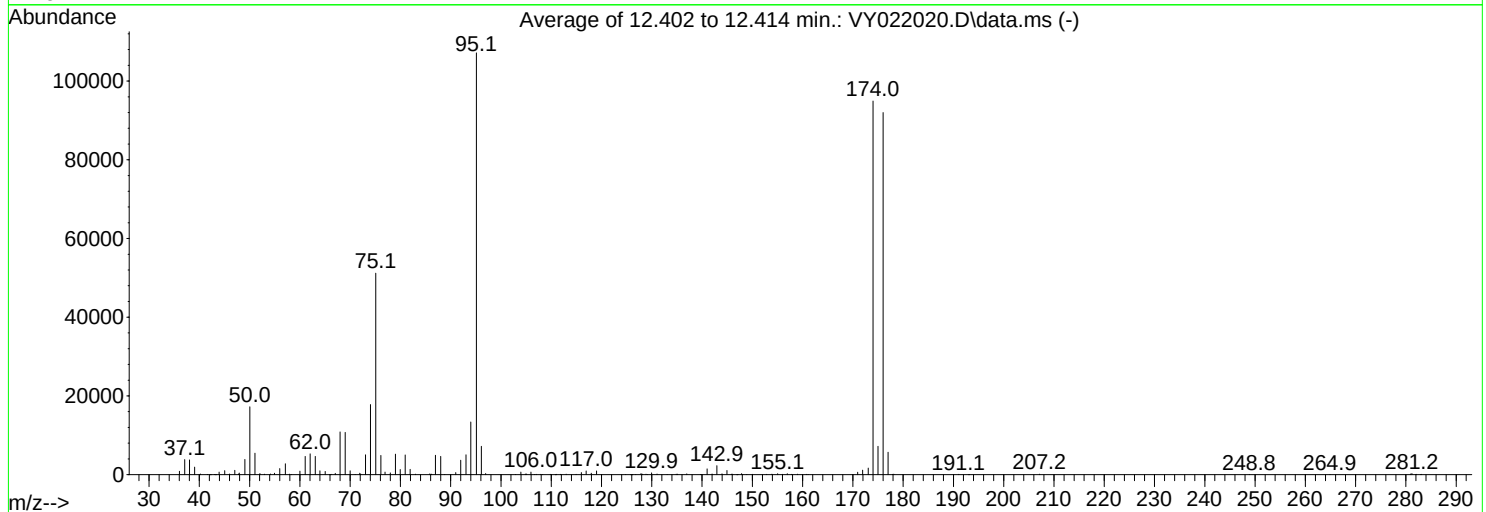
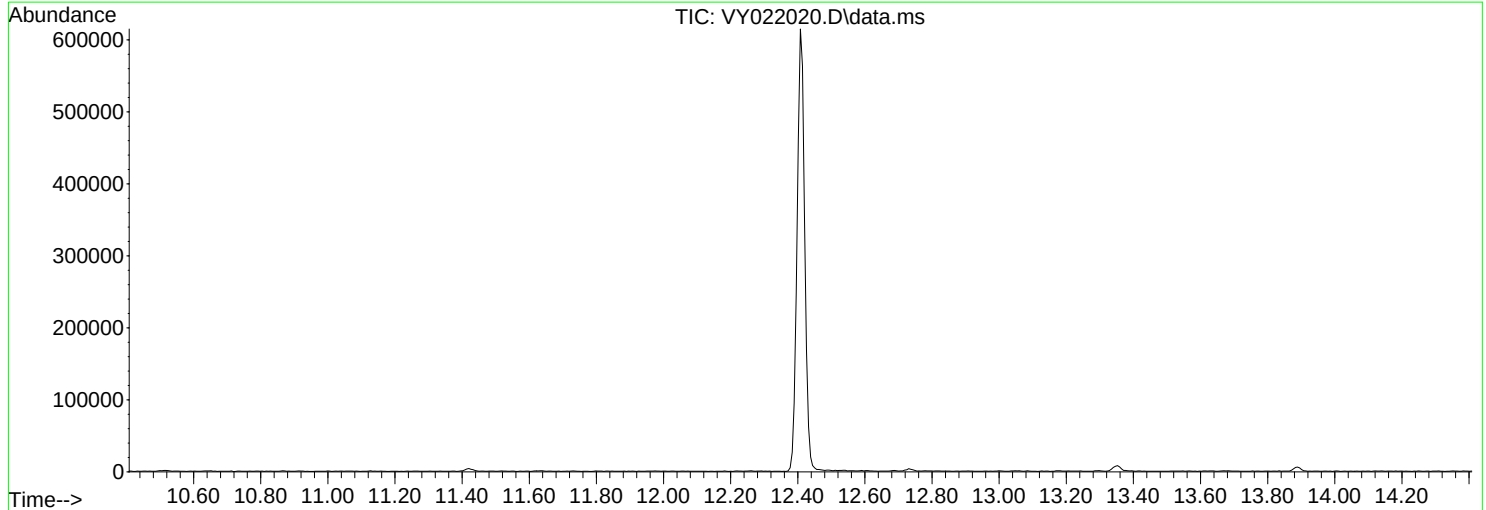
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022020.D
Acq On : 28 Apr 2025 09:29
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

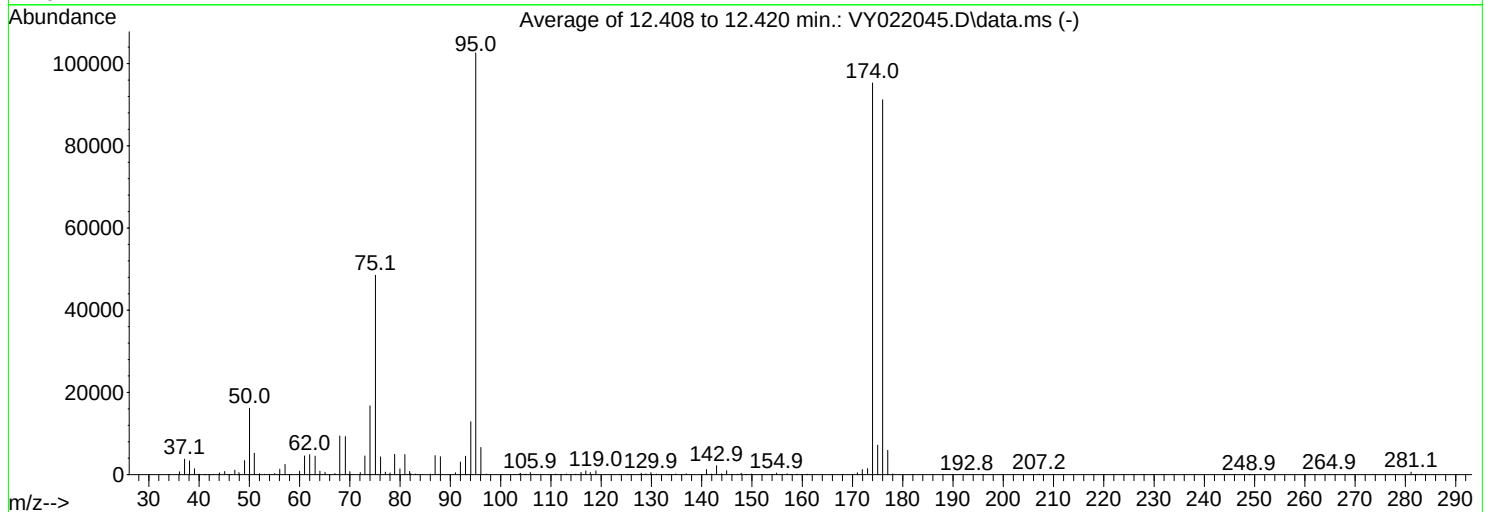
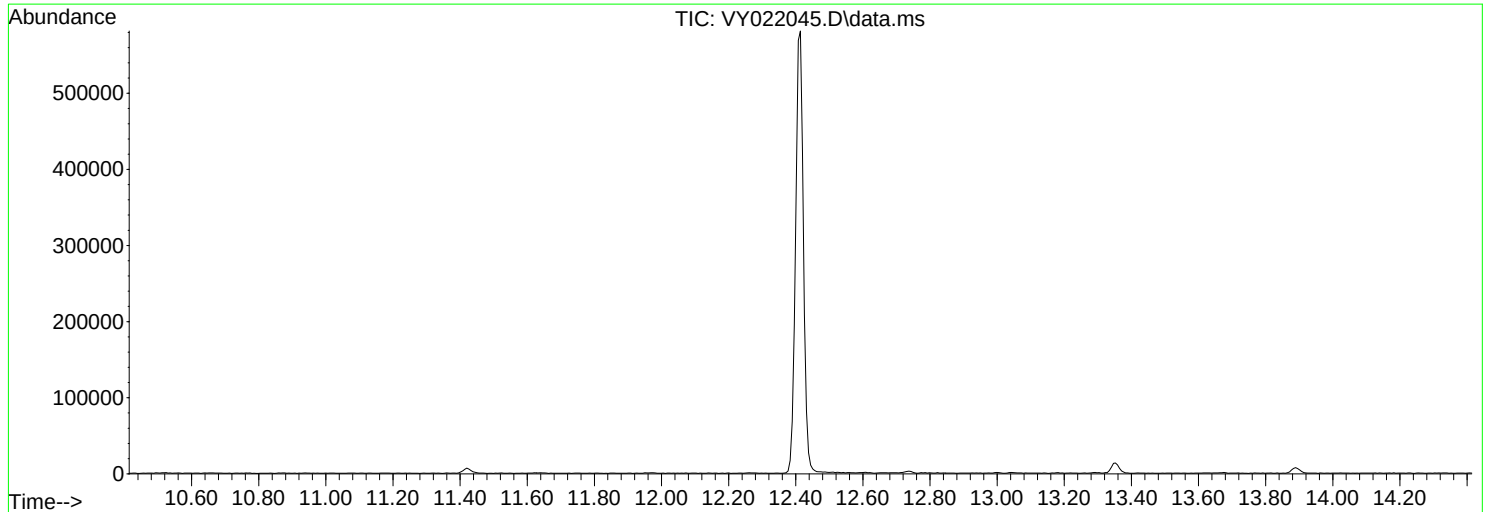
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	16.1	17244	PASS
75	95	30	60	47.8	51203	PASS
95	95	100	100	100.0	107171	PASS
96	95	5	9	6.7	7194	PASS
173	174	0.00	2	1.8	1681	PASS
174	95	50	100	88.6	94920	PASS
175	174	5	9	7.6	7210	PASS
176	174	95	101	96.9	92016	PASS
177	176	5	9	6.2	5691	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022045.D
Acq On : 29 Apr 2025 08:20
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	15.7	16154	PASS
75	95	30	60	47.3	48515	PASS
95	95	100	100	100.0	102613	PASS
96	95	5	9	6.4	6618	PASS
173	174	0.00	2	1.6	1496	PASS
174	95	50	100	92.9	95285	PASS
175	174	5	9	7.5	7170	PASS
176	174	95	101	95.7	91200	PASS
177	176	5	9	6.5	5928	PASS

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0428SBL01		SDG No.:	Q1872
Lab Sample ID:	VY0428SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022022.D	1		04/28/25 11:08	VY042825

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
141-78-6	Ethyl Acetate	1.30	U	1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.91	U	0.91	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
109-99-9	Tetrahydrofuran	4.70	U	4.70	25.0	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
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	0.77	U	0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
107-02-8	Acrolein	8.80	U	8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	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
108-05-4	Vinyl Acetate	4.90	U	4.90	25.0	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
594-20-7	2,2-Dichloropropane	1.30	U	1.30	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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0428SBL01		SDG No.:	Q1872
Lab Sample ID:	VY0428SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022022.D	1		04/28/25 11:08	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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
563-58-6	1,1-Dichloropropene	0.87	U	0.87	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
74-95-3	Dibromomethane	0.89	U	0.89	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
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
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
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	3.80	25.0	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
630-20-6	1,1,1,2-Tetrachloroethane	0.77	U	0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	1.10	U	1.10	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
1330-20-7	Total Xylenes	2.02	U	2.02	15.0	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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY0428SBL01	SDG No.:	Q1872
Lab Sample ID:	VY0428SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022022.D	1		04/28/25 11:08	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	1.20	U	1.20	5.00	ug/Kg
108-86-1	Bromobenzene	1.20	U	1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	0.73	U	0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.68	U	0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.82	U	0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	1.20	U	1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.64	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.66	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.62	U	0.62	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
104-51-8	n-Butylbenzene	1.50	U	1.50	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
87-68-3	Hexachlorobutadiene	1.90	U	1.90	5.00	ug/Kg
91-20-3	Naphthalene	2.60	U	2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	0.97	U	0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/Kg
107-05-1	Allyl chloride	0.78	U	0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.80	U	1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	0.55	U	0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	48.1	U	48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	47.1		74 - 123	94%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY0428SBL01			SDG No.:	Q1872
Lab Sample ID:	VY0428SBL01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022022.D	1		04/28/25 11:08	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	57.4		38 - 136	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	312000	7.713			
540-36-3	1,4-Difluorobenzene	578000	8.616			
3114-55-4	Chlorobenzene-d5	494000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	184000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022022.D
Acq On : 28 Apr 2025 11:08
Operator : SY/MD
Sample : VY0428SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBL01

Quant Time: Apr 29 03:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	311923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	578371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	493590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	183874	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147843	51.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.620%
35) Dibromofluoromethane	7.634	113	194182	50.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.640%
50) Toluene-d8	10.109	98	678662	47.112	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.220%
62) 4-Bromofluorobenzene	12.408	95	278168	57.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.720%

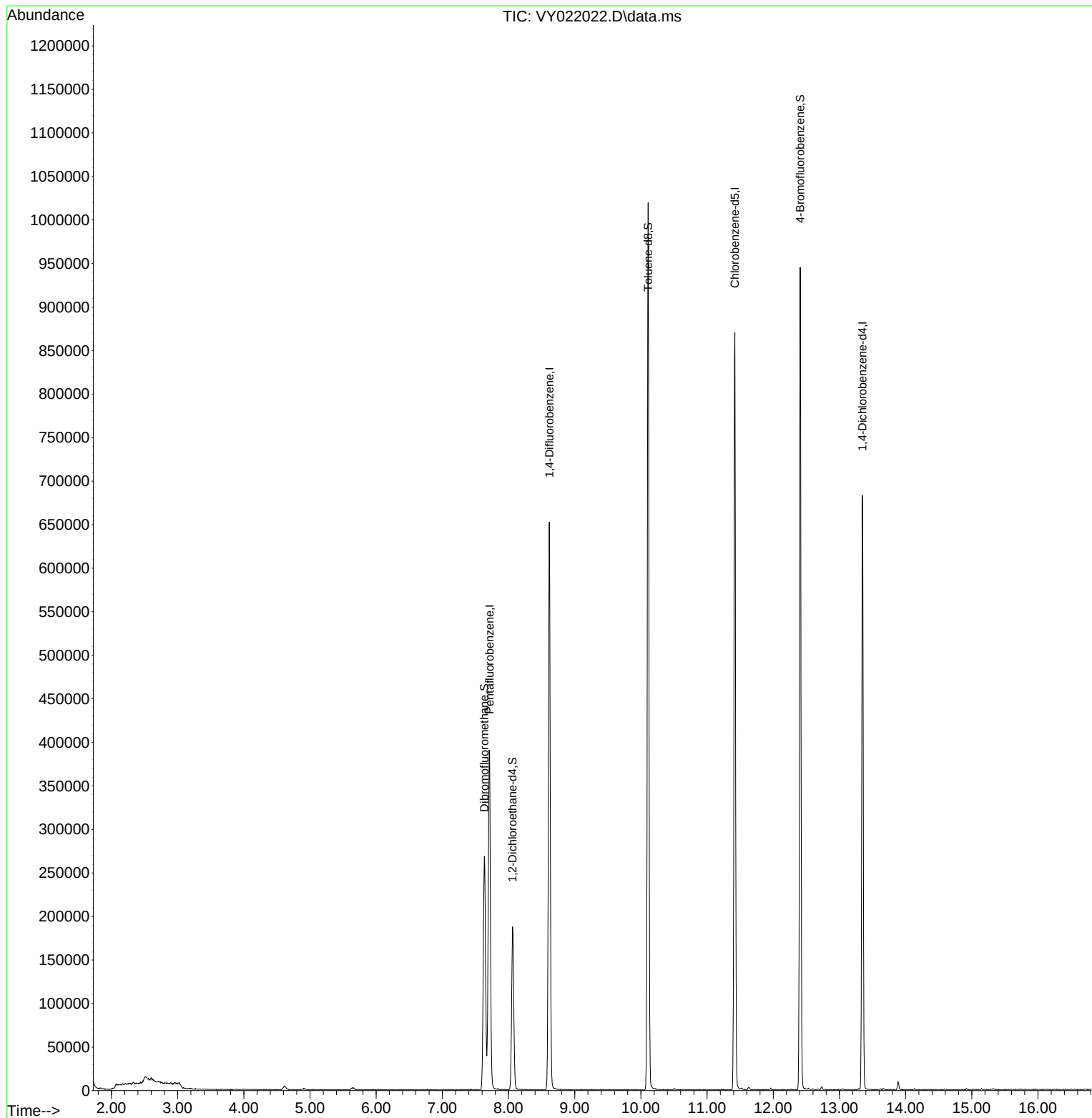
Target Compounds	Qvalue

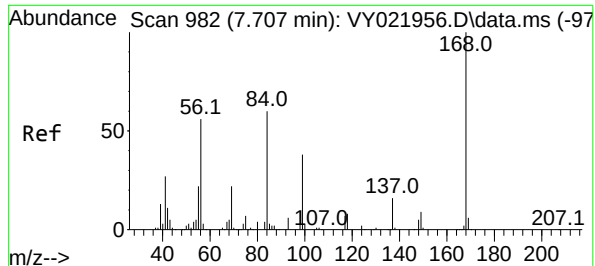
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022022.D
Acq On : 28 Apr 2025 11:08
Operator : SY/MD
Sample : VY0428SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBL01

Quant Time: Apr 29 03:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

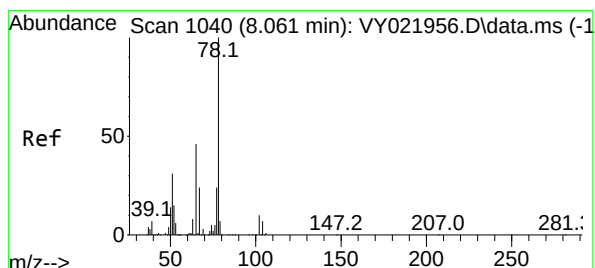
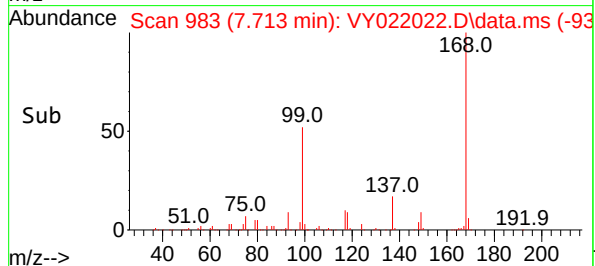
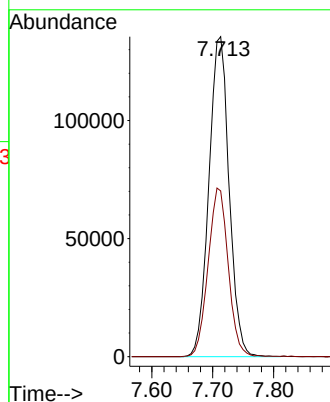
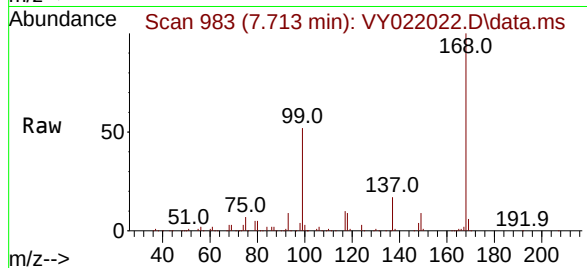




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022022.D
Acq: 28 Apr 2025 11:08

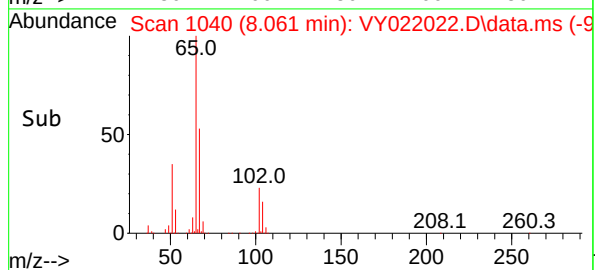
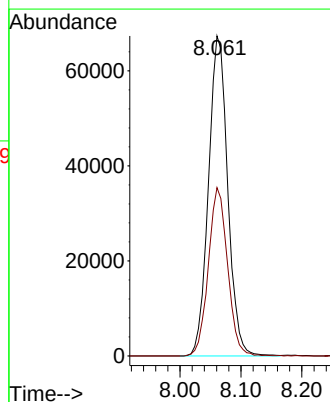
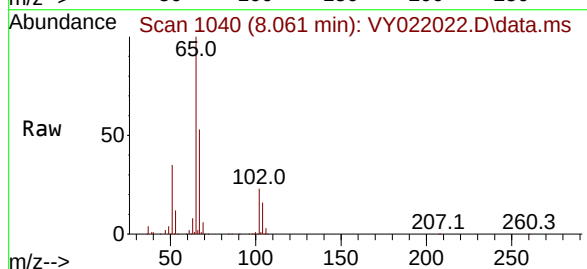
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBL01

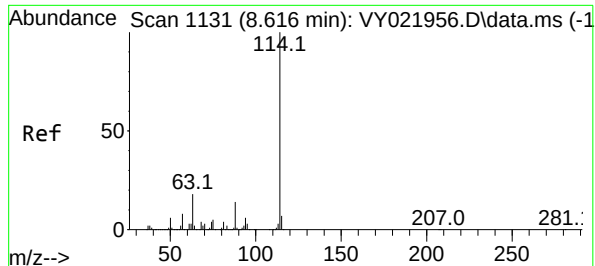
Tgt Ion:168 Resp: 311923
Ion Ratio Lower Upper
168 100
99 51.8 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 51.313 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022022.D
Acq: 28 Apr 2025 11:08

Tgt Ion: 65 Resp: 147843
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022022.D

Acq: 28 Apr 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBL01

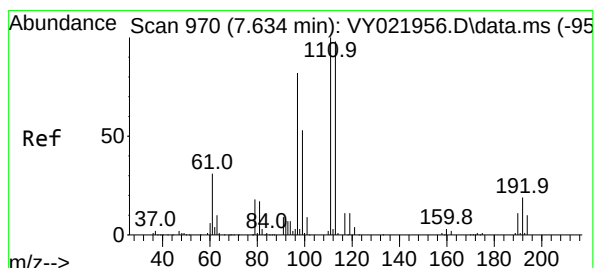
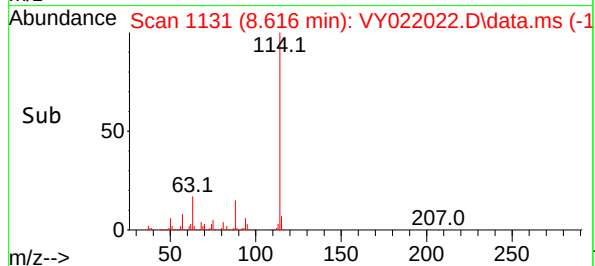
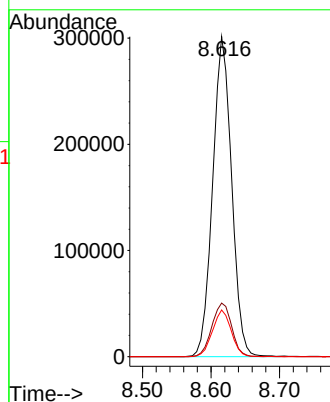
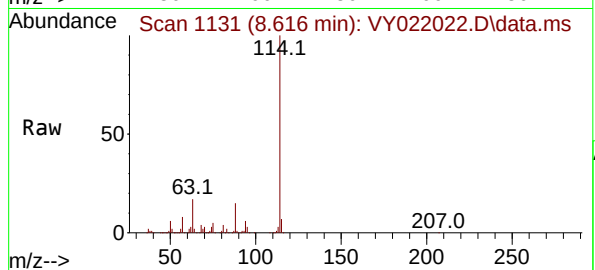
Tgt Ion:114 Resp: 578371

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.819 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022022.D

Acq: 28 Apr 2025 11:08

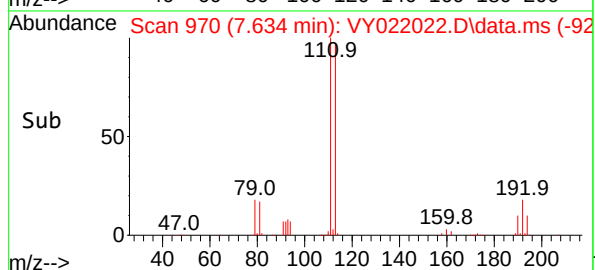
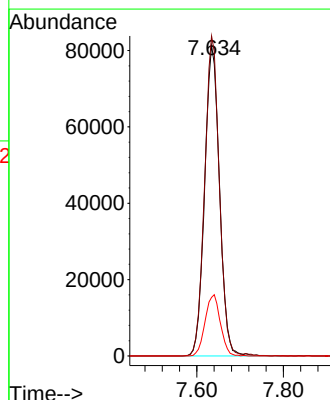
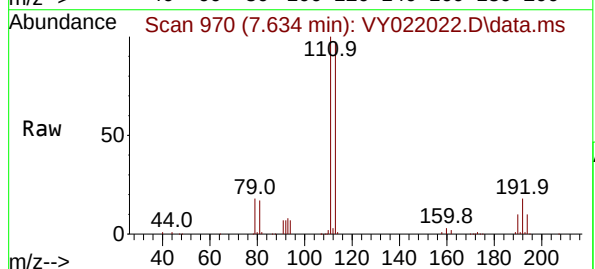
Tgt Ion:113 Resp: 194182

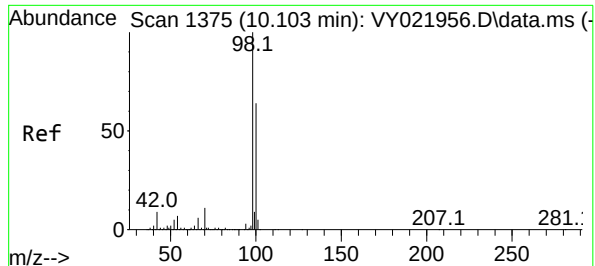
Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 20.2 15.6 23.4





#50

Toluene-d8

Concen: 47.112 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY022022.D

Acq: 28 Apr 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

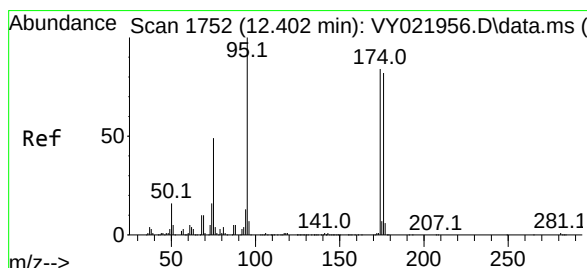
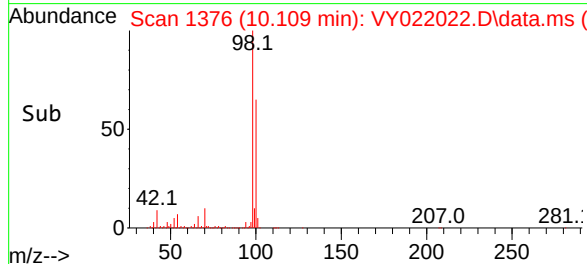
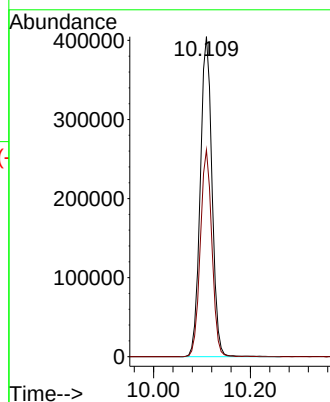
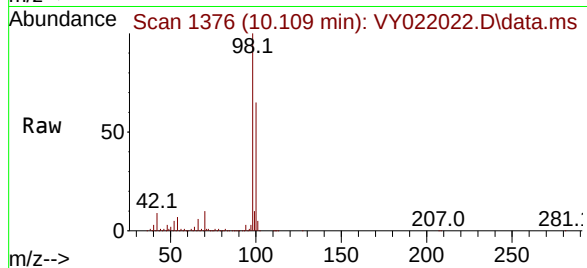
VY0428SBL01

Tgt Ion: 98 Resp: 678662

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 57.361 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY022022.D

Acq: 28 Apr 2025 11:08

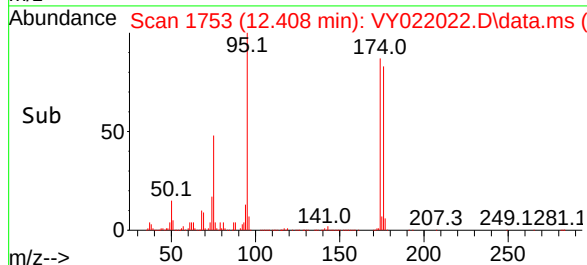
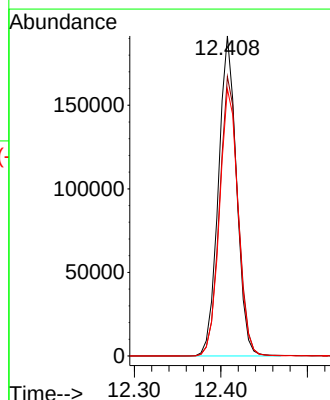
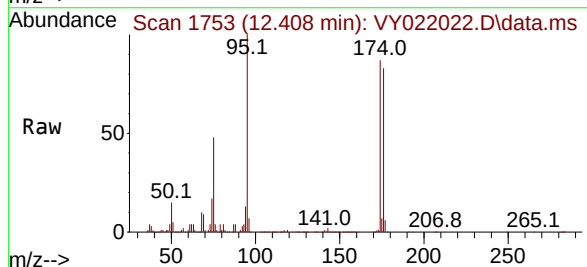
Tgt Ion: 95 Resp: 278168

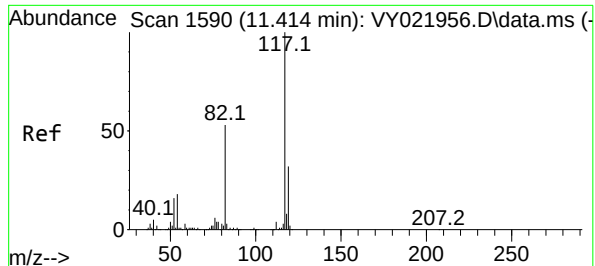
Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.0

176 85.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022022.D

Acq: 28 Apr 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBL01

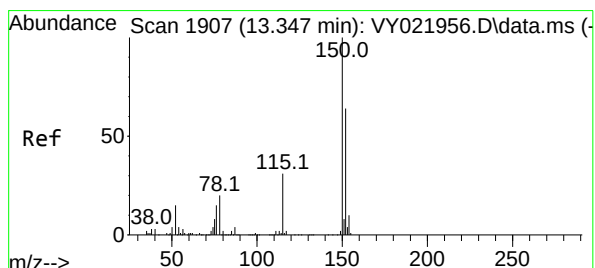
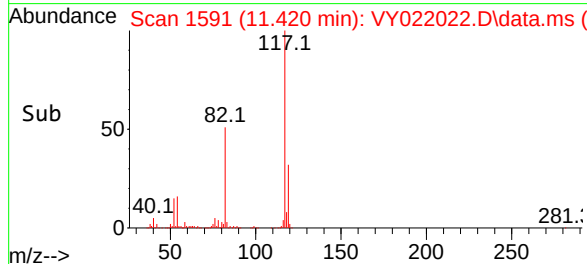
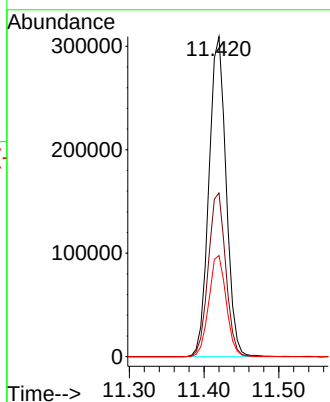
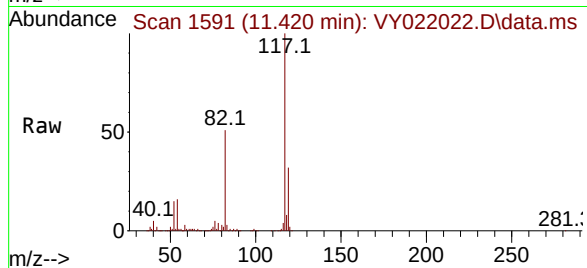
Tgt Ion:117 Resp: 493590

Ion Ratio Lower Upper

117 100

82 51.2 42.1 63.1

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022022.D

Acq: 28 Apr 2025 11:08

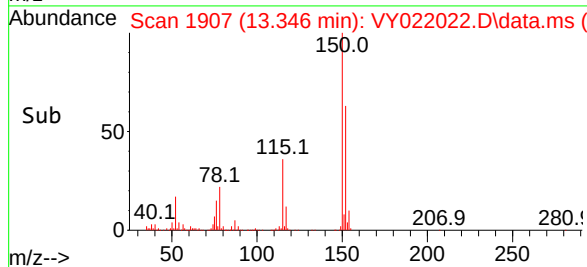
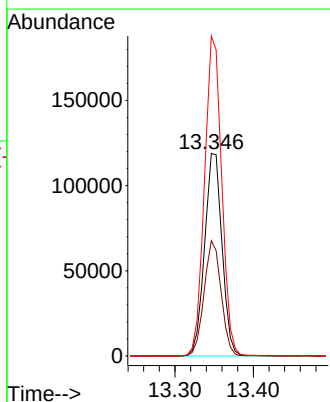
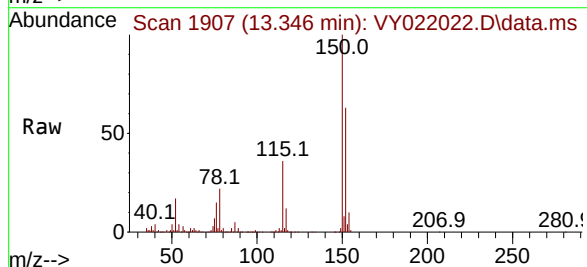
Tgt Ion:152 Resp: 183874

Ion Ratio Lower Upper

152 100

115 55.6 28.0 84.0

150 155.5 0.0 345.6



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0429SBL01		SDG No.:	Q1872
Lab Sample ID:	VY0429SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022047.D	1		04/29/25 10:00	VY042925

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
141-78-6	Ethyl Acetate	1.30	U	1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.91	U	0.91	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
109-99-9	Tetrahydrofuran	4.70	U	4.70	25.0	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
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	0.77	U	0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
107-02-8	Acrolein	8.80	U	8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	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
108-05-4	Vinyl Acetate	4.90	U	4.90	25.0	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
594-20-7	2,2-Dichloropropane	1.30	U	1.30	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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0429SBL01		SDG No.:	Q1872
Lab Sample ID:	VY0429SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022047.D	1		04/29/25 10:00	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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
563-58-6	1,1-Dichloropropene	0.87	U	0.87	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
74-95-3	Dibromomethane	0.89	U	0.89	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
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
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
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	3.80	25.0	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
630-20-6	1,1,1,2-Tetrachloroethane	0.77	U	0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	1.10	U	1.10	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
1330-20-7	Total Xylenes	2.02	U	2.02	15.0	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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0429SBL01		SDG No.:	Q1872
Lab Sample ID:	VY0429SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022047.D	1		04/29/25 10:00	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	1.20	U	1.20	5.00	ug/Kg
108-86-1	Bromobenzene	1.20	U	1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	0.73	U	0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.68	U	0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.82	U	0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	1.20	U	1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.64	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.66	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.62	U	0.62	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
104-51-8	n-Butylbenzene	1.50	U	1.50	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
87-68-3	Hexachlorobutadiene	1.90	U	1.90	5.00	ug/Kg
91-20-3	Naphthalene	2.60	U	2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	0.97	U	0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/Kg
107-05-1	Allyl chloride	0.78	U	0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.80	U	1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	0.55	U	0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	48.1	U	48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	47.6		74 - 123	95%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY0429SBL01			SDG No.:	Q1872
Lab Sample ID:	VY0429SBL01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022047.D	1		04/29/25 10:00	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	56.6		38 - 136	113%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	323000	7.707			
540-36-3	1,4-Difluorobenzene	602000	8.616			
3114-55-4	Chlorobenzene-d5	530000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	204000	13.347			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022047.D
Acq On : 29 Apr 2025 10:00
Operator : SY/MD
Sample : VY0429SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Quant Time: Apr 30 01:32:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	323132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	602161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	529726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	203699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150135	50.301	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.600%
35) Dibromofluoromethane	7.634	113	198621	49.927	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.109	98	714245	47.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.408	95	285524	56.552	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.100%

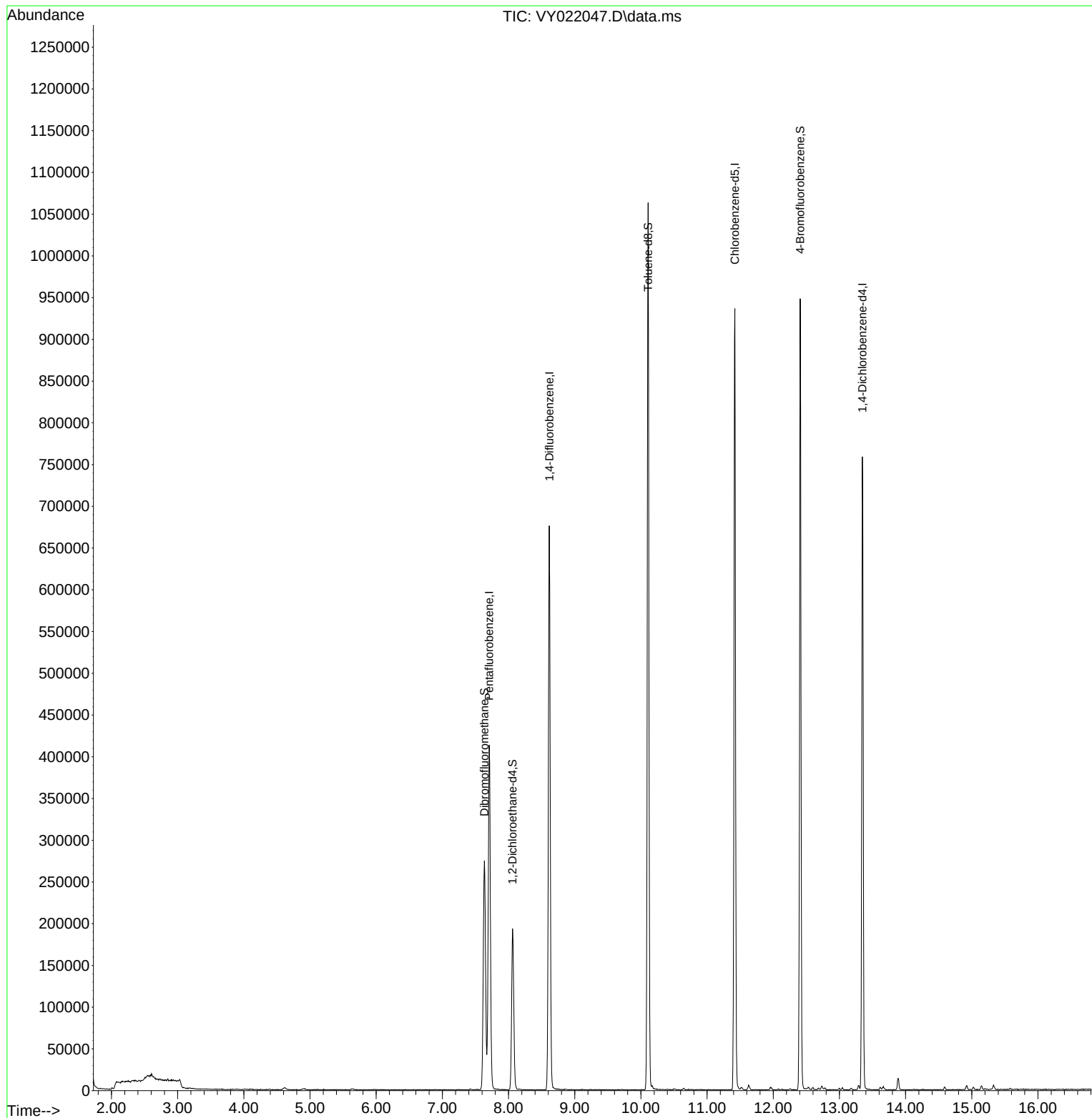
Target Compounds	Qvalue

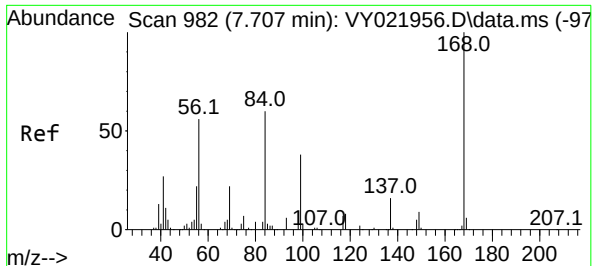
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022047.D
Acq On : 29 Apr 2025 10:00
Operator : SY/MD
Sample : VY0429SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Quant Time: Apr 30 01:32:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

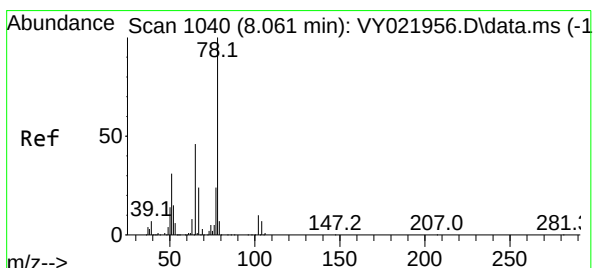
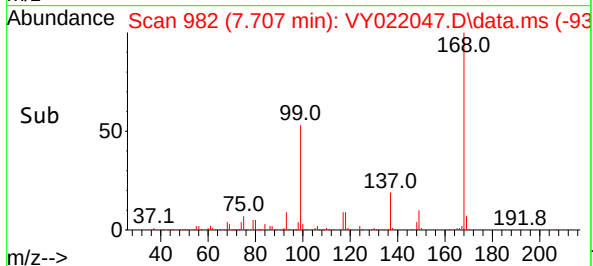
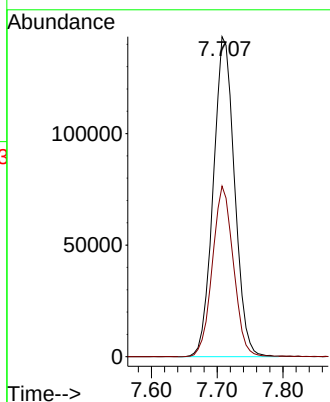
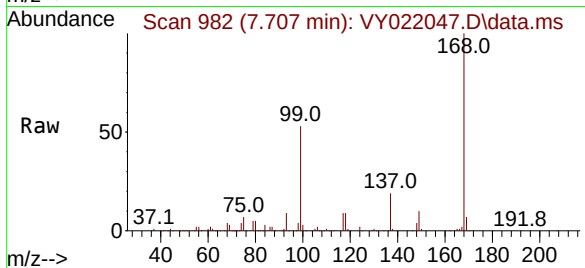




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

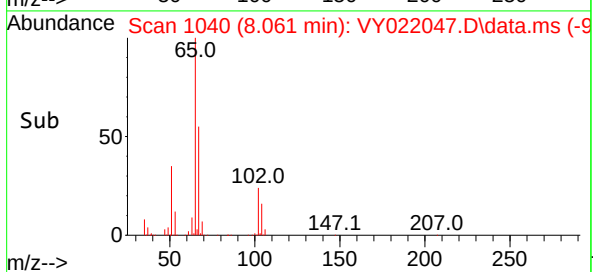
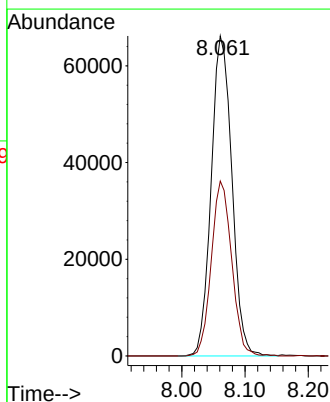
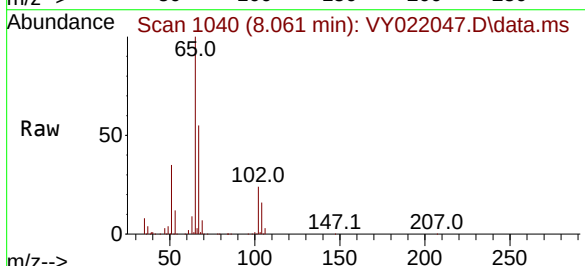
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

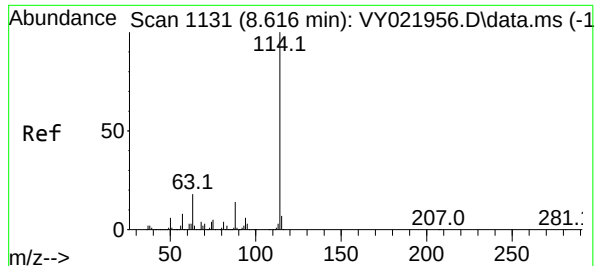
Tgt Ion:168 Resp: 323132
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 50.301 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Tgt Ion: 65 Resp: 150135
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBL01

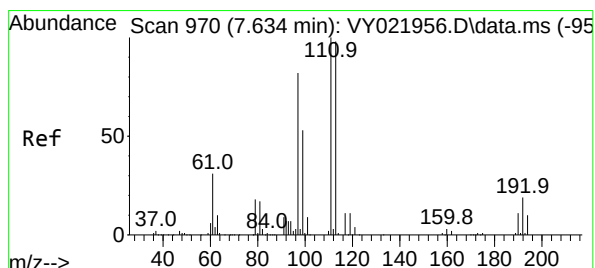
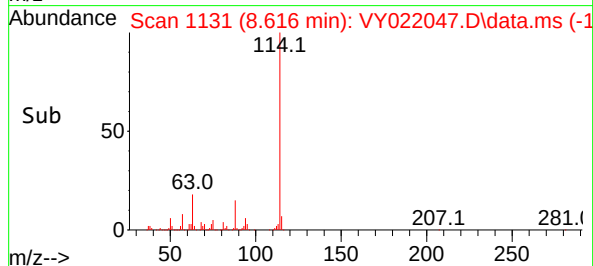
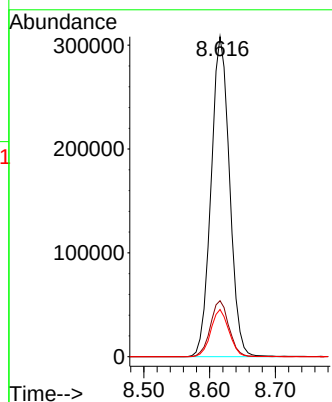
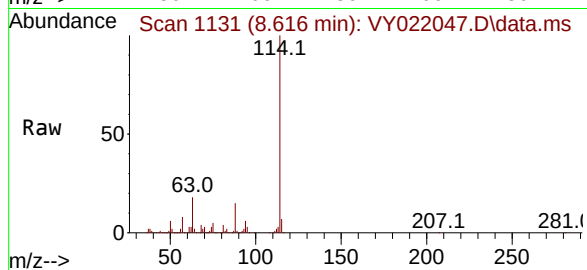
Tgt Ion:114 Resp: 602161

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.927 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

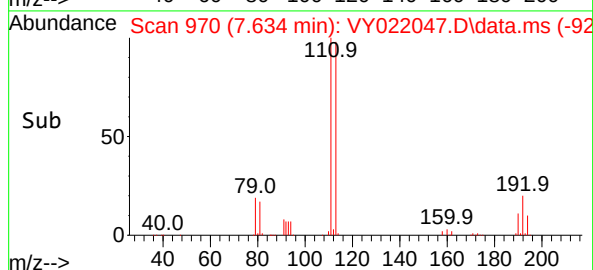
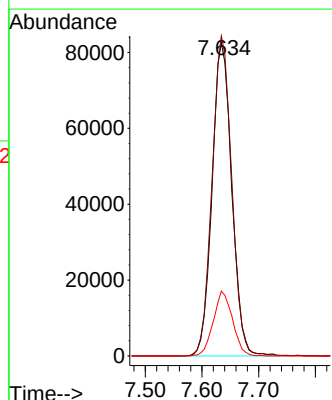
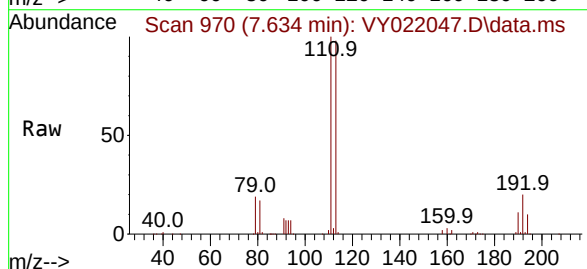
Tgt Ion:113 Resp: 198621

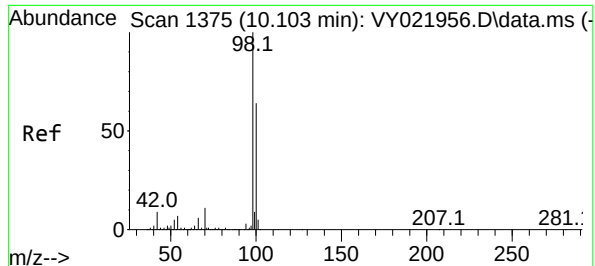
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 20.3 15.6 23.4





#50

Toluene-d8

Concen: 47.623 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

Instrument :

MSVOA_Y

ClientSampleId :

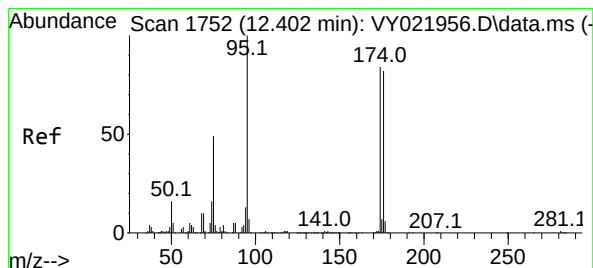
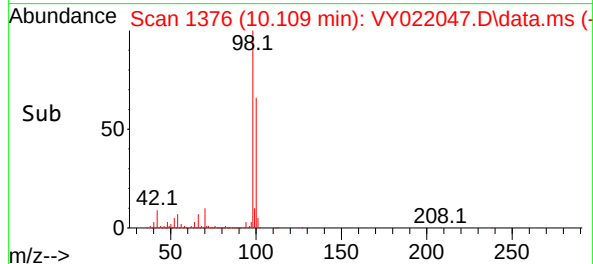
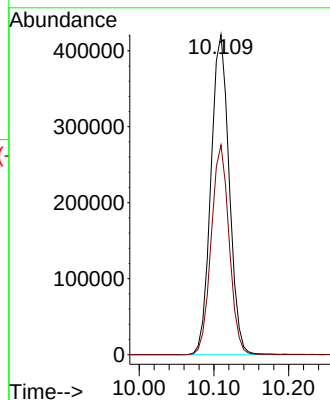
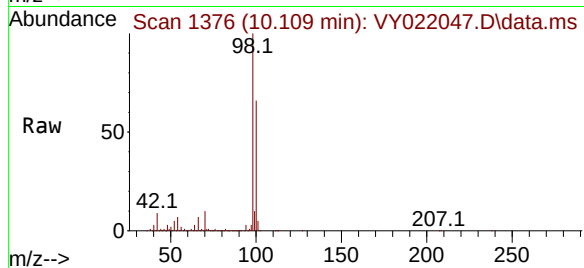
VY0429SBL01

Tgt Ion: 98 Resp: 714245

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 56.552 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

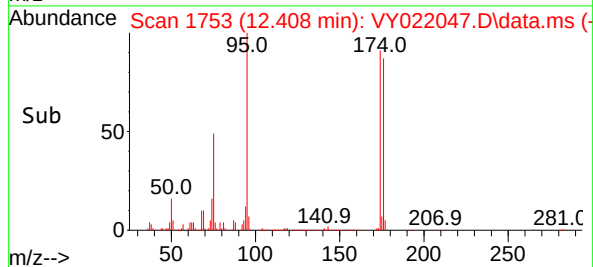
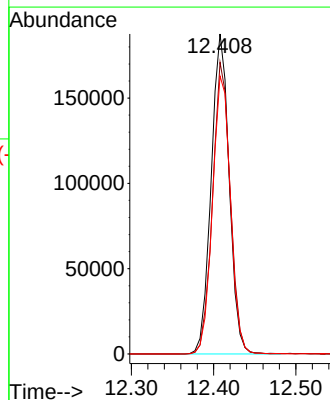
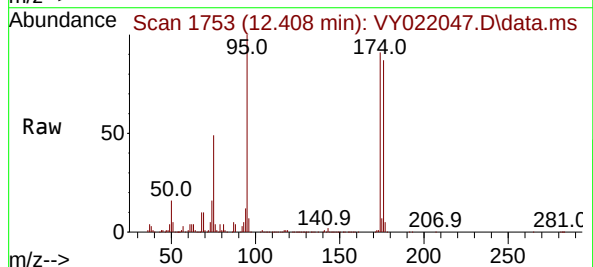
Tgt Ion: 95 Resp: 285524

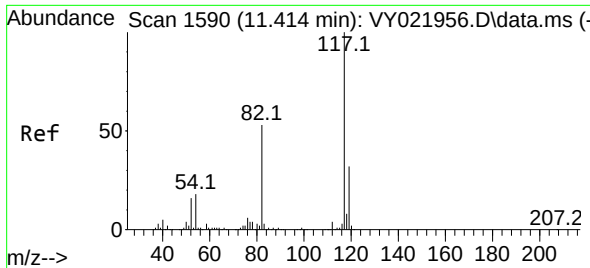
Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.0

176 87.0 0.0 171.8

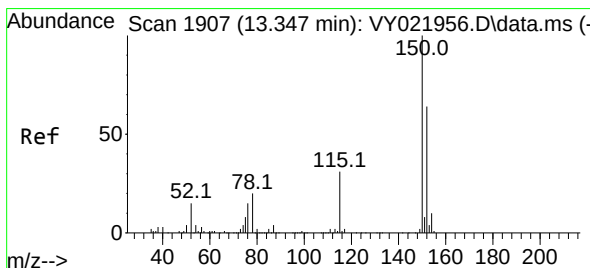
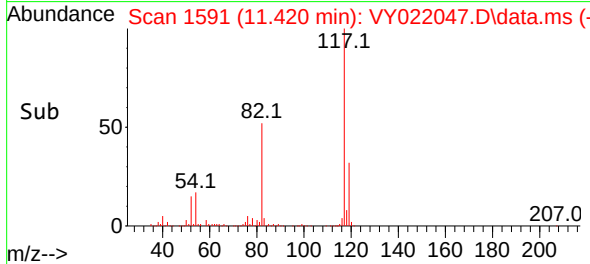
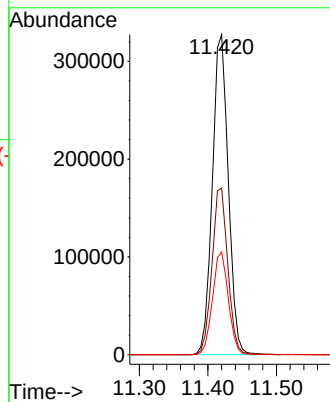
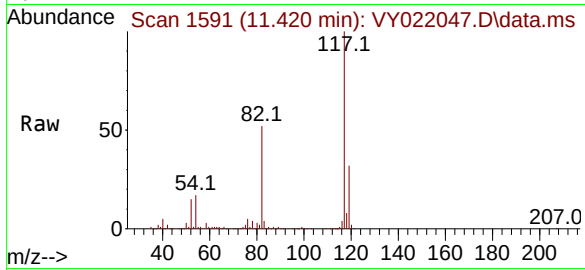




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

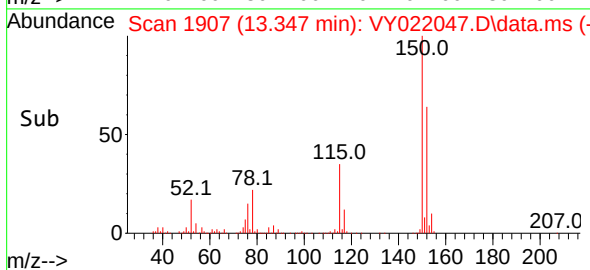
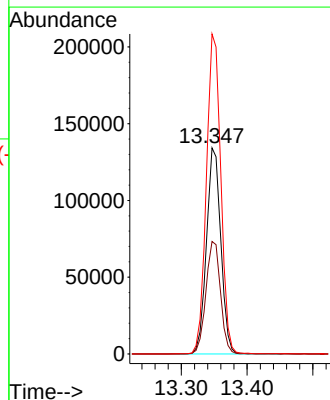
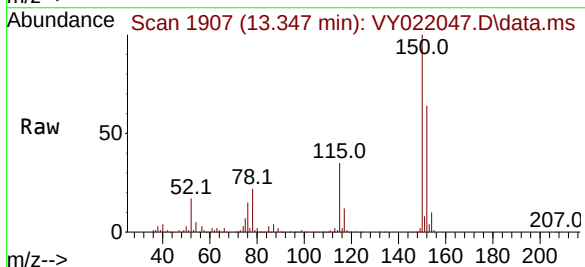
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Tgt Ion:117 Resp: 529726
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Tgt Ion:152 Resp: 203699
Ion Ratio Lower Upper
152 100
115 55.5 28.0 84.0
150 156.0 0.0 345.6



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0428SBS01		SDG No.:	Q1872
Lab Sample ID:	VY0428SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022023.D	1		04/28/25 11:40	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.79	5.00	ug/Kg
141-78-6	Ethyl Acetate	18.8		1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	18.6		0.91	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
109-99-9	Tetrahydrofuran	91.2		4.70	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	92.7		13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	18.9		0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.3		1.00	5.00	ug/Kg
107-02-8	Acrolein	78.2		8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	94.1		5.00	25.0	ug/Kg
67-64-1	Acetone	88.8		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.2		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	19.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
108-05-4	Vinyl Acetate	94.9		4.90	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	89.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	21.2		1.30	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0428SBS01		SDG No.:	Q1872
Lab Sample ID:	VY0428SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022023.D	1		04/28/25 11:40	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.1		0.91	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	20.0		0.87	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
74-95-3	Dibromomethane	20.2		0.89	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.8		3.60	25.0	ug/Kg
80-62-6	Methyl methacrylate	18.4		0.74	5.00	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	20.1		0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	90.9		3.80	25.0	ug/Kg
591-78-6	2-Hexanone	89.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.5		0.91	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	19.9		1.10	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.20	10.0	ug/Kg
1330-20-7	Total Xylenes	61.4		2.02	15.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY0428SBS01	SDG No.:	Q1872
Lab Sample ID:	VY0428SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022023.D	1		04/28/25 11:40	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	18.4		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	20.1		1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	20.0		0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	20.1		0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	20.0		0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	20.6		1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.5		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.0		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.7		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.8		0.62	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	18.9		1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.5		3.00	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	19.8		1.90	5.00	ug/Kg
91-20-3	Naphthalene	16.3		2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	17.0		0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	19.7		0.91	5.00	ug/Kg
107-05-1	Allyl chloride	19.7		0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	18.4		1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	17.9		1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	20.5		0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	380		48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY0428SBS01	SDG No.:	Q1872
Lab Sample ID:	VY0428SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022023.D	1		04/28/25 11:40	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	50.6		38 - 136	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289000	7.707			
540-36-3	1,4-Difluorobenzene	452000	8.616			
3114-55-4	Chlorobenzene-d5	415000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	223000	13.347			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022023.D
 Acq On : 28 Apr 2025 11:40
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:52:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	288803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	451635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	223411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132035	49.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.634	113	151421	50.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.500%		
50) Toluene-d8	10.109	98	583457	51.869	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.740%		
62) 4-Bromofluorobenzene	12.408	95	191595	50.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48288	19.622	ug/l	99
3) Chloromethane	2.068	50	75116	21.437	ug/l	98
4) Vinyl Chloride	2.202	62	89232	20.723	ug/l	99
5) Bromomethane	2.592	94	81308	21.917	ug/l	97
6) Chloroethane	2.733	64	62580	21.340	ug/l	96
7) Trichlorofluoromethane	3.056	101	117839	20.753	ug/l	97
8) Diethyl Ether	3.452	74	27886	18.869	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	62329	20.236	ug/l	100
10) Methyl Iodide	4.001	142	70226	19.692	ug/l	98
11) Tert butyl alcohol	4.879	59	13583	92.748	ug/l	98
12) 1,1-Dichloroethene	3.787	96	58220	20.279	ug/l	98
13) Acrolein	3.659	56	20550	78.181	ug/l	99
14) Allyl chloride	4.385	41	65780	19.677	ug/l	99
15) Acrylonitrile	5.068	53	50909	94.096	ug/l	98
16) Acetone	3.879	43	35815	88.799	ug/l	97
17) Carbon Disulfide	4.104	76	185314	20.244	ug/l	99
18) Methyl Acetate	4.385	43	24470	19.637	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	120777	18.795	ug/l	98
20) Methylene Chloride	4.616	84	67212	19.926	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	65512	20.375	ug/l	97
22) Diisopropyl ether	6.019	45	152261	20.467	ug/l	100
23) Vinyl Acetate	5.964	43	380442	94.888	ug/l	98
24) 1,1-Dichloroethane	5.915	63	105916	20.539	ug/l	97
25) 2-Butanone	6.903	43	54333	89.353	ug/l	100
26) 2,2-Dichloropropane	6.884	77	95622	21.157	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	71531	19.896	ug/l	97
28) Bromochloromethane	7.250	49	40600	20.270	ug/l	97
29) Tetrahydrofuran	7.262	42	36015	91.193	ug/l	98
30) Chloroform	7.421	83	120103	20.997	ug/l	100
31) Cyclohexane	7.701	56	85140	19.307	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	106620	20.603	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79998	19.960	ug/l	99
37) Ethyl Acetate	6.982	43	27054	18.794	ug/l	97
38) Carbon Tetrachloride	7.817	117	100038	20.888	ug/l	99
39) Methylcyclohexane	9.110	83	96523	19.137	ug/l	99
40) Benzene	8.079	78	263141	21.003	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022023.D
 Acq On : 28 Apr 2025 11:40
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Quant Time: Apr 29 03:52:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	14076	17.888	ug/l	96
42) 1,2-Dichloroethane	8.158	62	62844	20.260	ug/l	99
43) Isopropyl Acetate	8.195	43	51297	18.556	ug/l	98
44) Trichloroethene	8.866	130	72088	20.773	ug/l	98
45) 1,2-Dichloropropane	9.140	63	56336	20.333	ug/l	97
46) Dibromomethane	9.231	93	35005	20.183	ug/l	99
47) Bromodichloromethane	9.420	83	91024	21.008	ug/l	97
48) Methyl methacrylate	9.219	41	23485	18.377	ug/l	98
49) 1,4-Dioxane	9.238	88	6933	375.040	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	134511	92.823	ug/l	98
52) Toluene	10.170	92	171313	21.124	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	73313	19.727	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	89748	20.315	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	47358	20.441	ug/l	97
56) Ethyl methacrylate	10.439	69	47130	17.789	ug/l	98
57) 1,3-Dichloropropane	10.719	76	74512	20.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	117783	90.927	ug/l	100
59) 2-Hexanone	10.762	43	85959	89.933	ug/l	97
60) Dibromochloromethane	10.914	129	65617	20.457	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43475	19.877	ug/l	100
64) Tetrachloroethene	10.646	164	82426	21.059	ug/l	98
65) Chlorobenzene	11.438	112	190217	20.501	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	67377	20.626	ug/l	99
67) Ethyl Benzene	11.518	91	304126	20.037	ug/l	99
68) m/p-Xylenes	11.627	106	248981	41.224	ug/l	99
69) o-Xylene	11.957	106	112465	20.203	ug/l	98
70) Styrene	11.969	104	188696	20.189	ug/l	100
71) Bromoform	12.133	173	38669	20.361	ug/l #	98
73) Isopropylbenzene	12.255	105	290455	19.459	ug/l	100
74) N-amyl acetate	12.072	43	43553	16.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	48206	19.156	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35131m	18.358	ug/l	
77) Bromobenzene	12.536	156	75728	20.078	ug/l	99
78) n-propylbenzene	12.597	91	354794	19.960	ug/l	100
79) 2-Chlorotoluene	12.682	91	207565	20.079	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	245588	19.969	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14640	18.423	ug/l	97
82) 4-Chlorotoluene	12.780	91	221042	20.569	ug/l	100
83) tert-Butylbenzene	12.999	119	215151	19.506	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	245925	19.992	ug/l	99
85) sec-Butylbenzene	13.176	105	318603	19.740	ug/l	99
86) p-Isopropyltoluene	13.292	119	270778	19.757	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	154240	20.135	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151928	20.025	ug/l	99
89) n-Butylbenzene	13.615	91	231179	18.871	ug/l	99
90) Hexachloroethane	13.877	117	60020	19.932	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	133112	19.923	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6676	16.675	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	69955	18.477	ug/l	99
94) Hexachlorobutadiene	15.023	225	46027	19.759	ug/l	96
95) Naphthalene	15.145	128	102709	16.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	60052	18.375	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022023.D
Acq On : 28 Apr 2025 11:40
Operator : SY/MD
Sample : VY0428SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

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

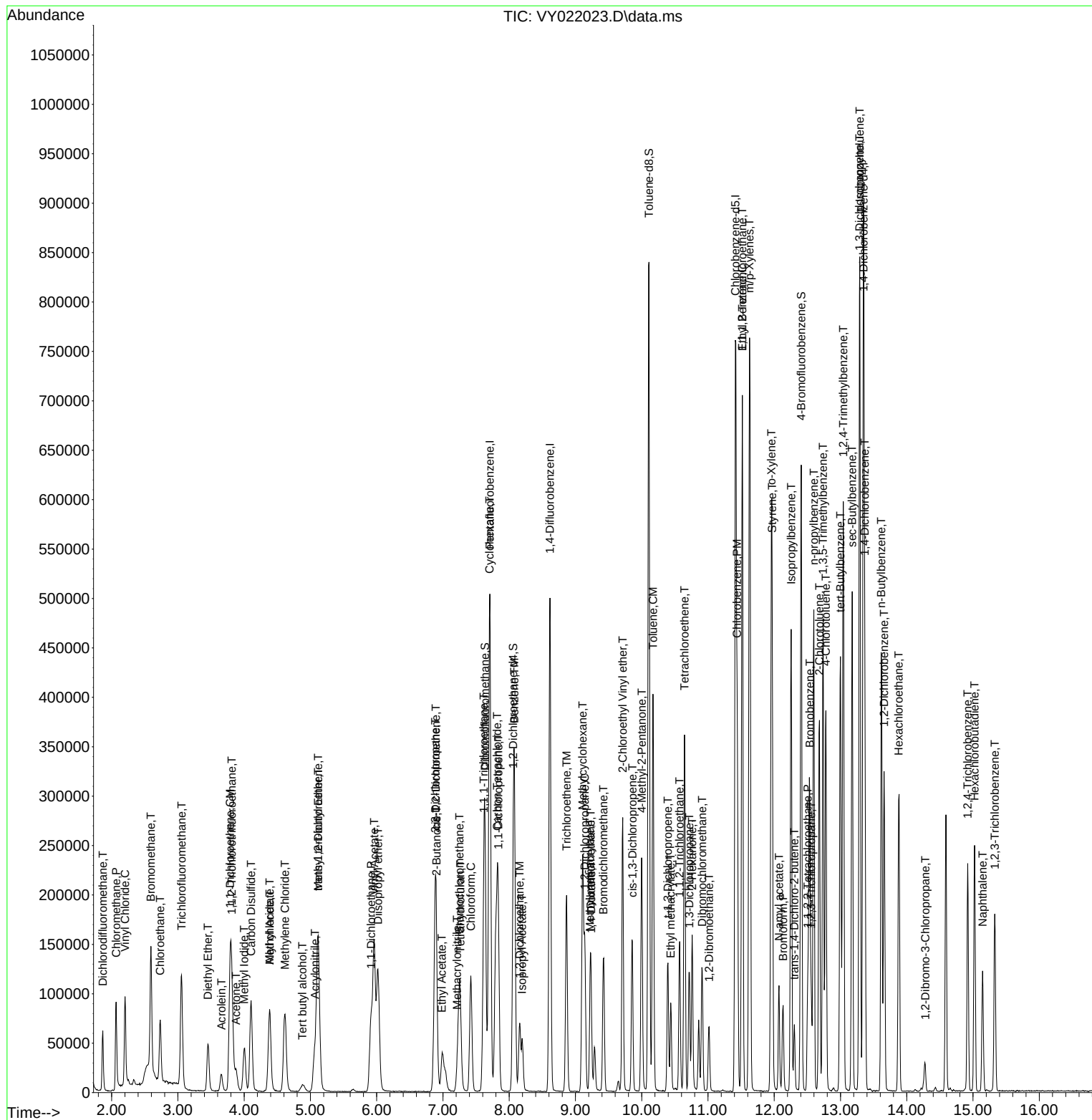
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 Acq On : 28 Apr 2025 11:40
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

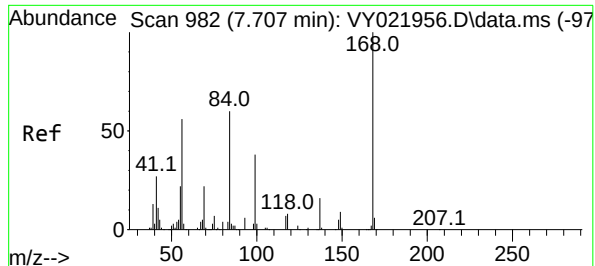
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Quant Time: Apr 29 03:52:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

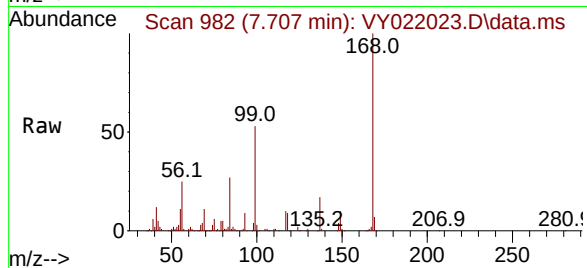
Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

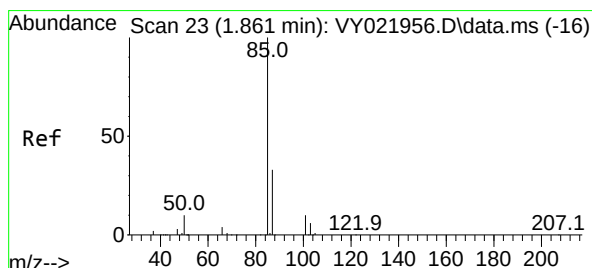
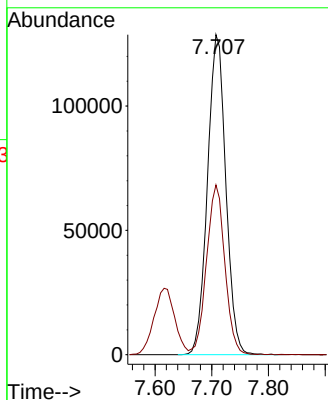
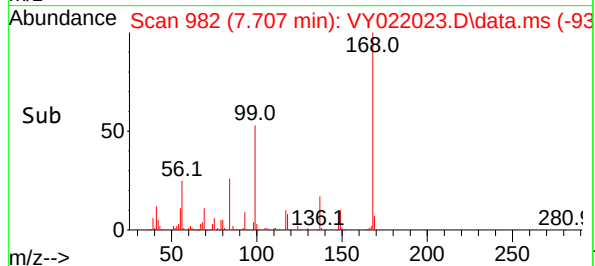
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



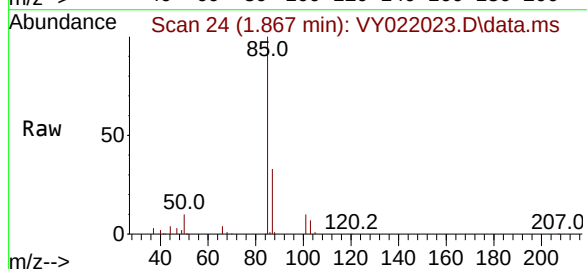
Tgt Ion: 168 Resp: 28880
Ion Ratio Lower Upper
168 100
99 53.0 43.1 64.7

Manual Integrations
APPROVED

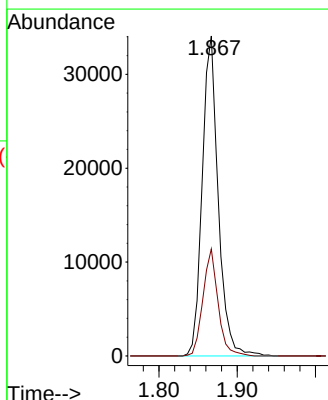
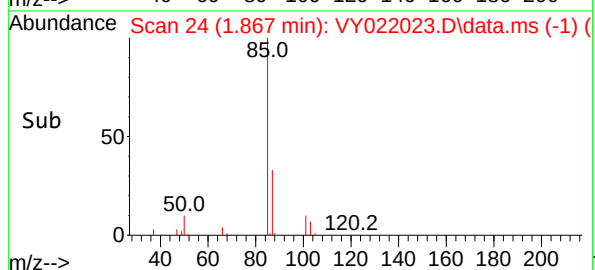
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

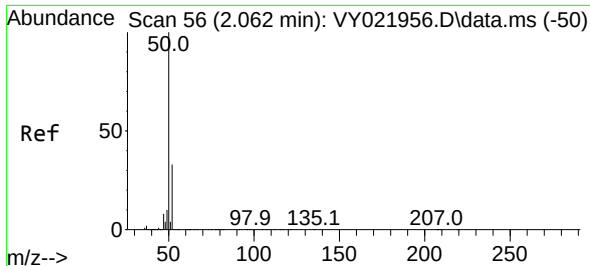


#2
Dichlorodifluoromethane
Concen: 19.622 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



Tgt Ion: 85 Resp: 48288
Ion Ratio Lower Upper
85 100
87 33.4 16.6 49.7





#3

Chloromethane

Concen: 21.437 ug/l

RT: 2.068 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 50 Resp: 75110

Ion Ratio Lower Upper

50 100

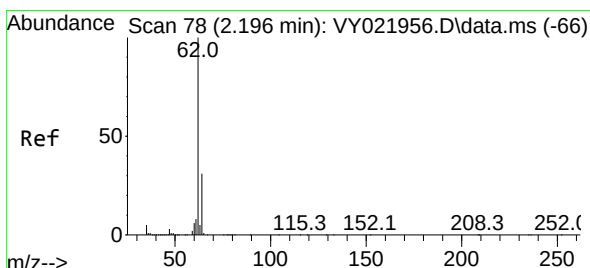
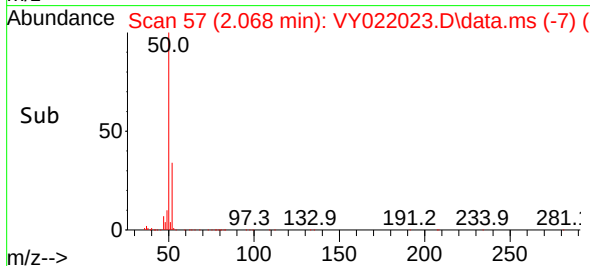
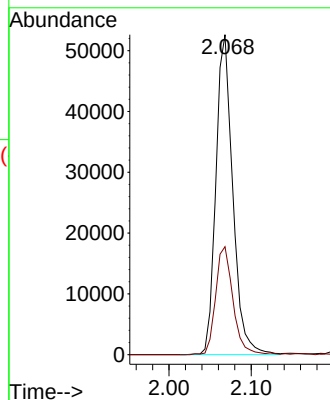
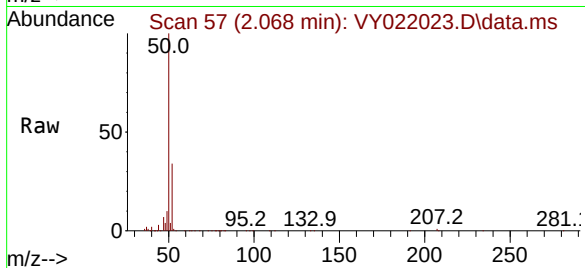
52 33.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#4

Vinyl Chloride

Concen: 20.723 ug/l

RT: 2.202 min Scan# 79

Delta R.T. 0.006 min

Lab File: VY022023.D

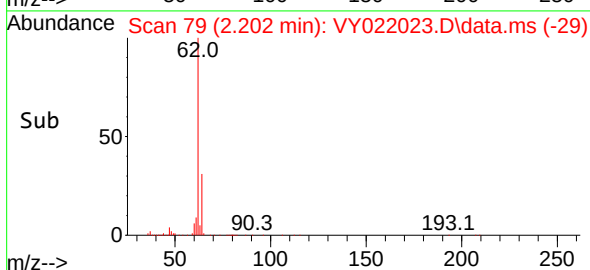
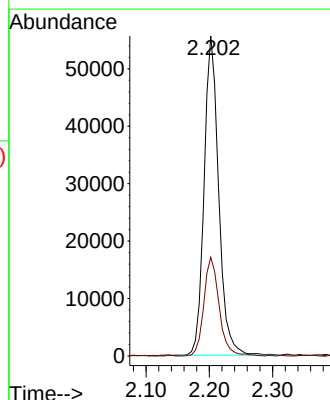
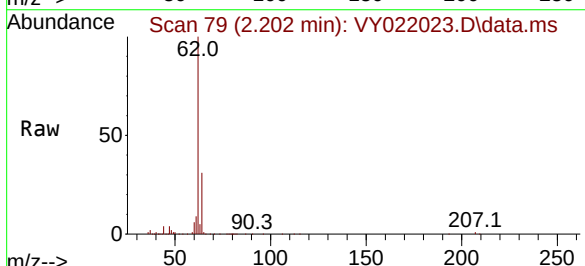
Acq: 28 Apr 2025 11:40

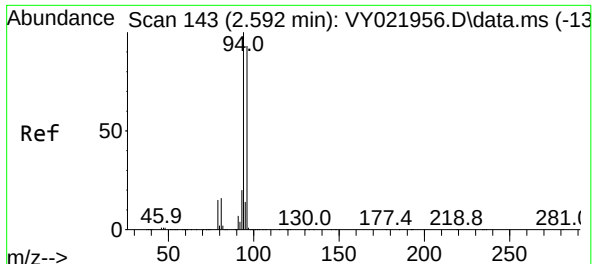
Tgt Ion: 62 Resp: 89232

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7





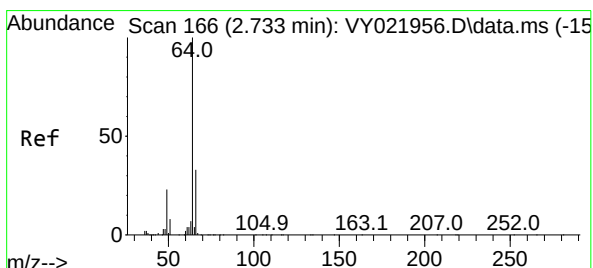
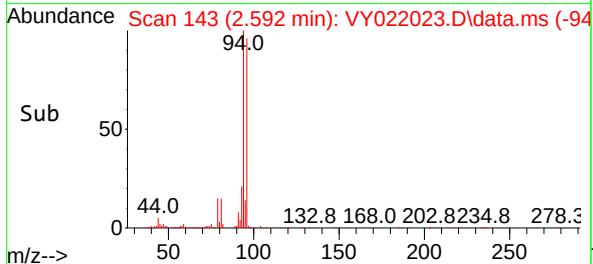
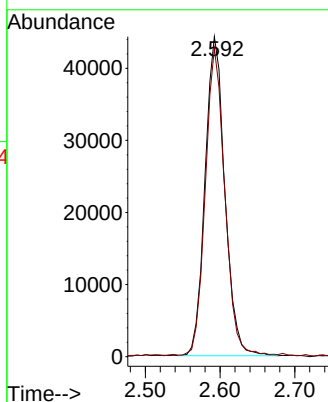
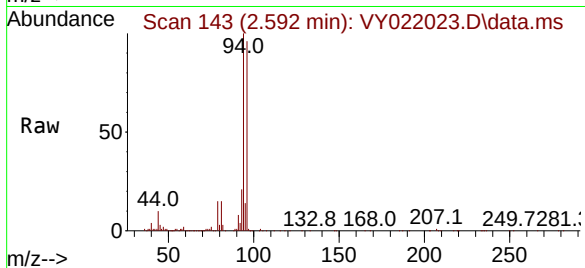
#5
Bromomethane
Concen: 21.917 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion: 94 Resp: 81308
Ion Ratio Lower Upper
94 100
96 96.2 74.6 111.8

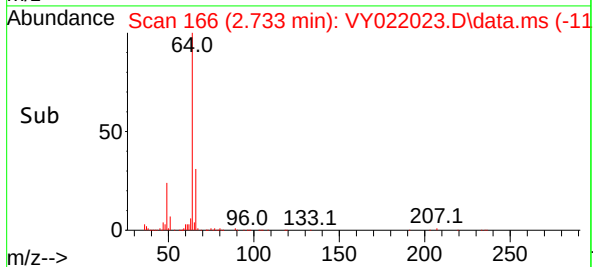
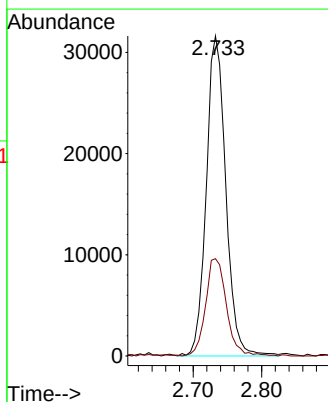
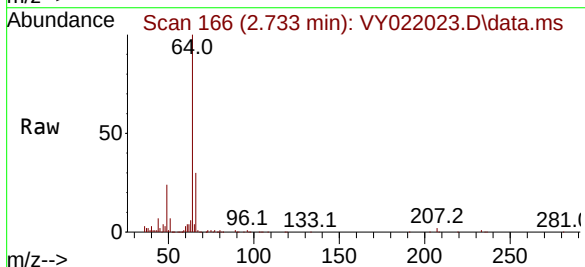
Manual Integrations
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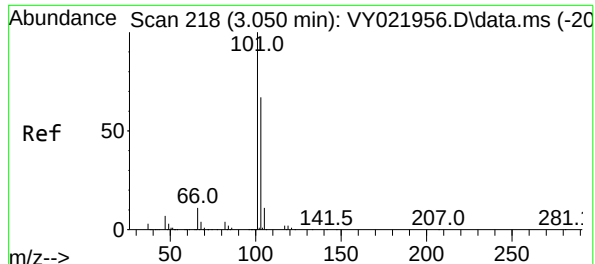
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#6
Chloroethane
Concen: 21.340 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Tgt Ion: 64 Resp: 62580
Ion Ratio Lower Upper
64 100
66 30.4 26.2 39.4





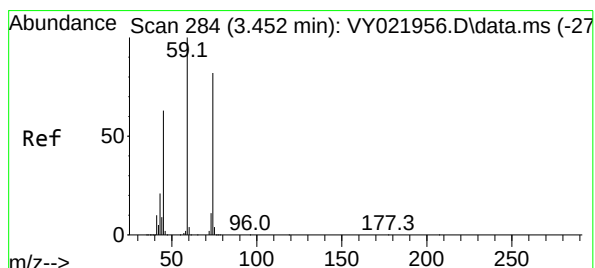
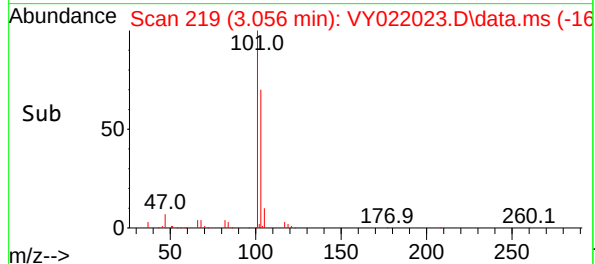
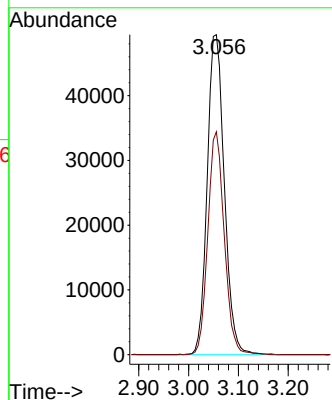
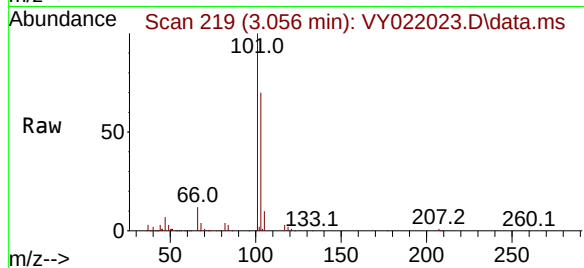
#7
Trichlorofluoromethane
Concen: 20.753 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion:101 Resp: 117839
Ion Ratio Lower Upper
101 100
103 69.6 53.6 80.4

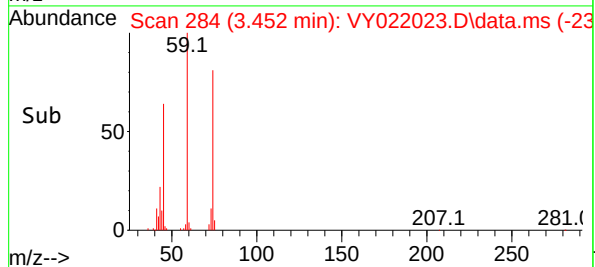
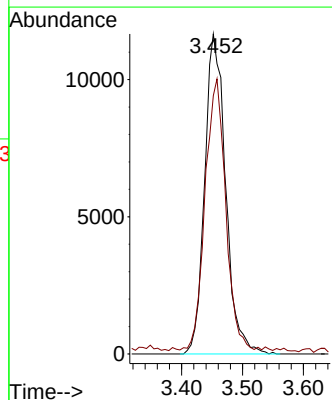
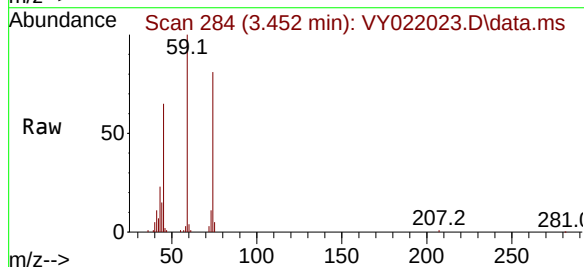
Manual Integrations
APPROVED

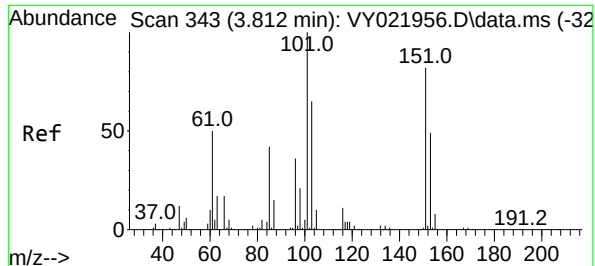
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#8
Diethyl Ether
Concen: 18.869 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Tgt Ion: 74 Resp: 27886
Ion Ratio Lower Upper
74 100
45 82.9 39.1 117.5





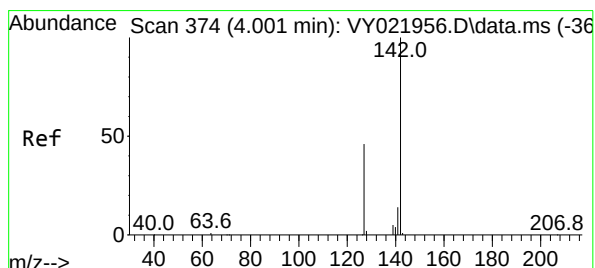
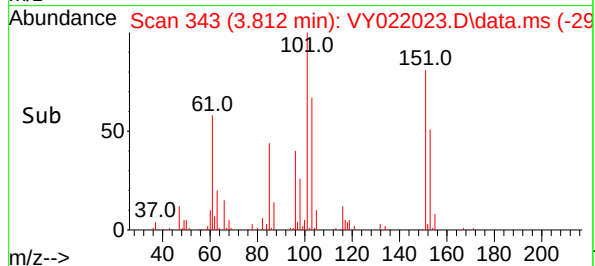
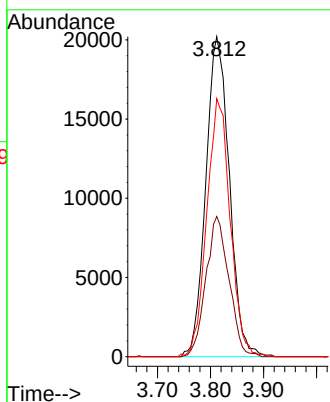
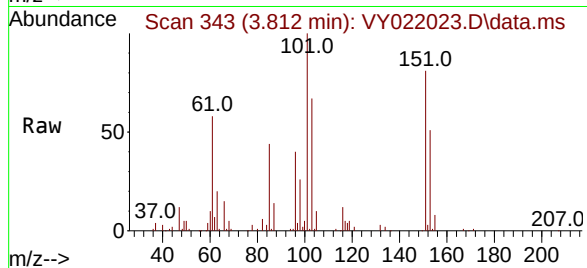
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.236 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion:101 Resp: 62329
Ion Ratio Lower Upper
101 100
85 43.0 34.6 51.8
151 80.1 63.7 95.5

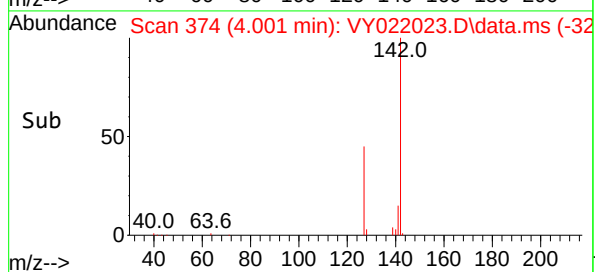
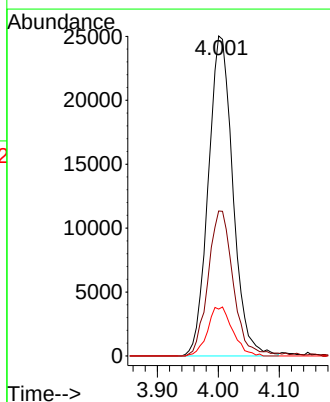
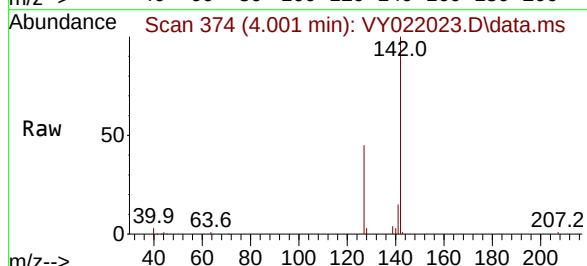
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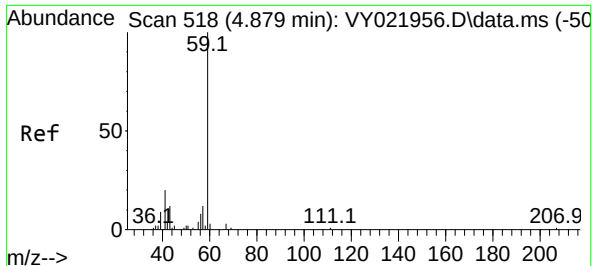
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#10
Methyl Iodide
Concen: 19.692 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Tgt Ion:142 Resp: 70226
Ion Ratio Lower Upper
142 100
127 46.5 36.2 54.2
141 15.5 11.7 17.5





#11

Tert butyl alcohol

Concen: 92.748 ug/l

RT: 4.879 min Scan# 518

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 59 Resp: 1358

Ion Ratio Lower Upper

59 100

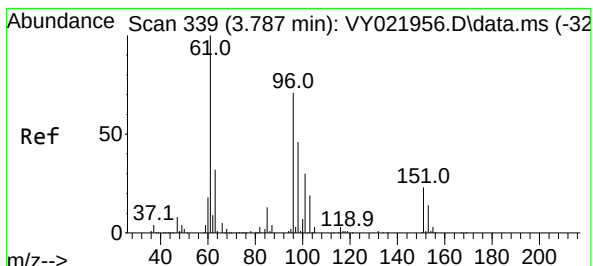
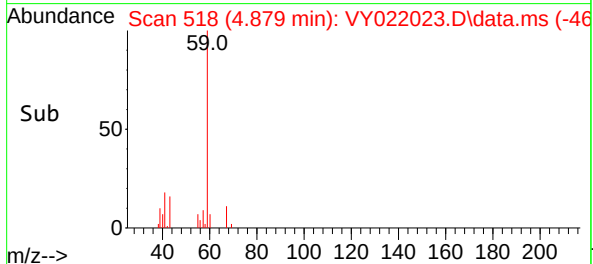
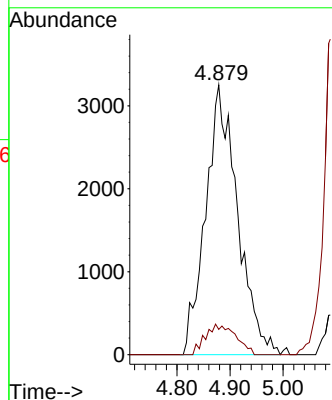
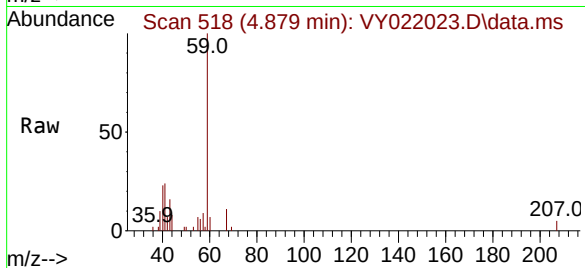
57 10.7 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#12

1,1-Dichloroethene

Concen: 20.279 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

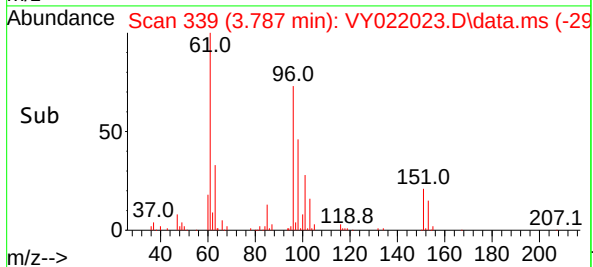
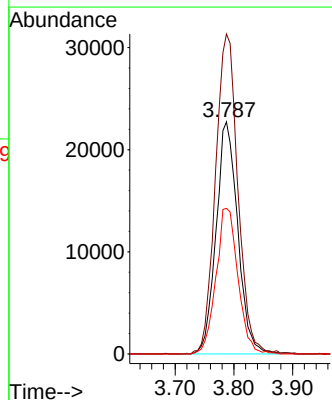
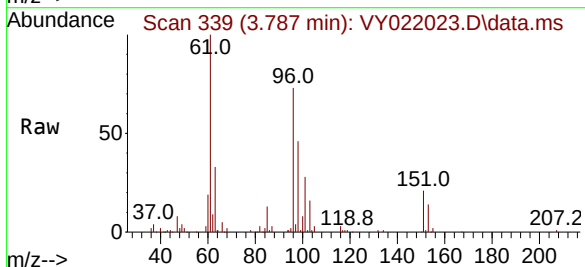
Tgt Ion: 96 Resp: 58220

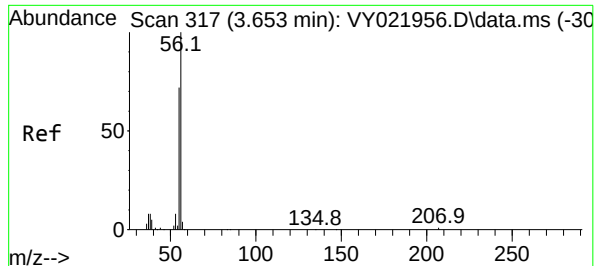
Ion Ratio Lower Upper

96 100

61 137.9 113.0 169.4

98 62.8 51.4 77.2





#13

Acrolein

Concen: 78.181 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 56 Resp: 20550

Ion Ratio Lower Upper

56 100

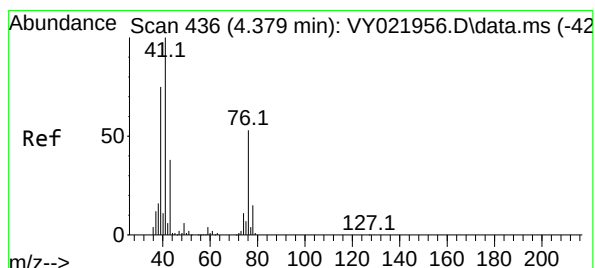
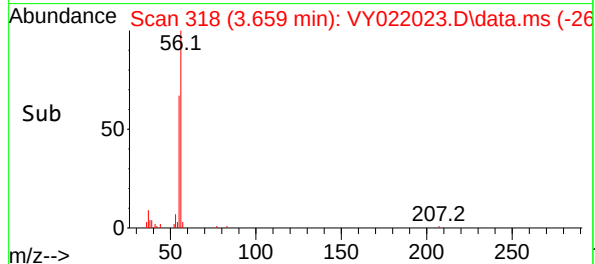
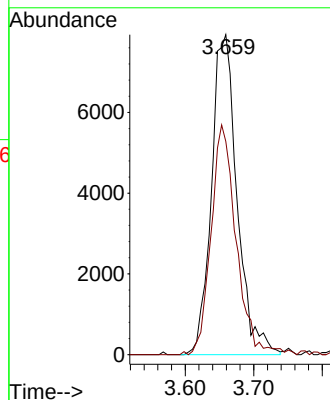
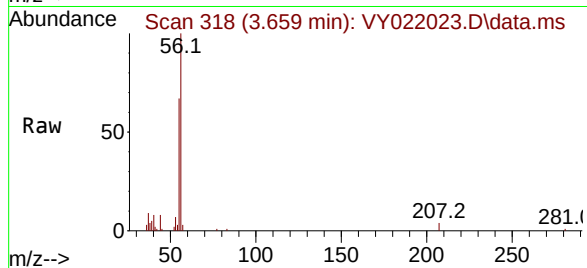
55 70.5 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#14

Allyl chloride

Concen: 19.677 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

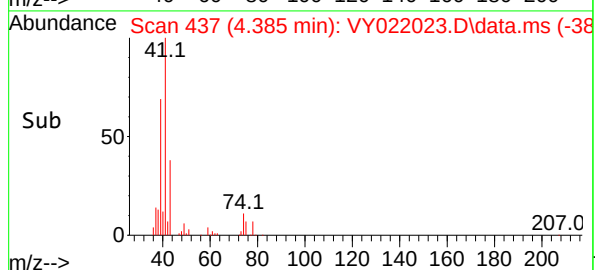
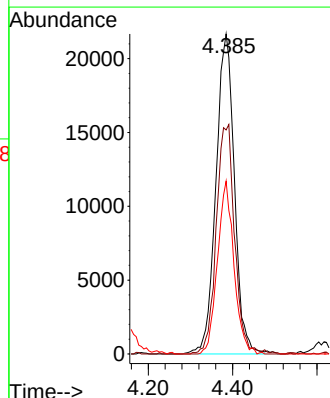
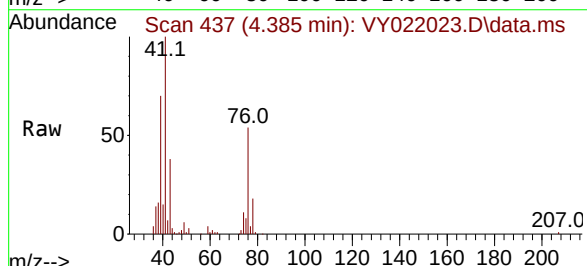
Tgt Ion: 41 Resp: 65780

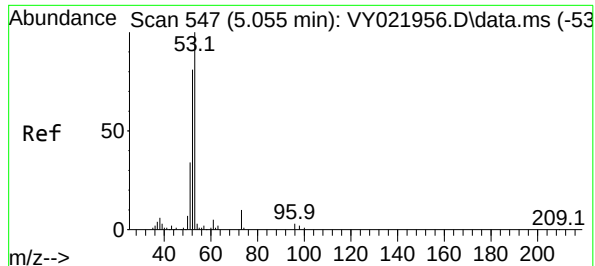
Ion Ratio Lower Upper

41 100

39 71.3 57.2 85.8

76 48.2 39.7 59.5





#15

Acrylonitrile

Concen: 94.096 ug/l

RT: 5.068 min Scan# 54

Delta R.T. 0.012 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

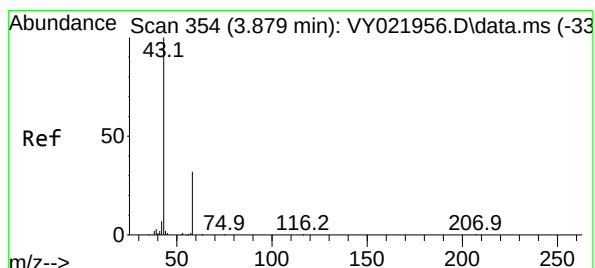
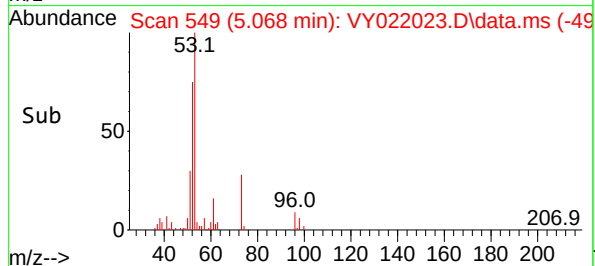
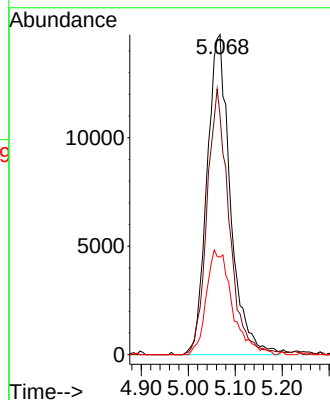
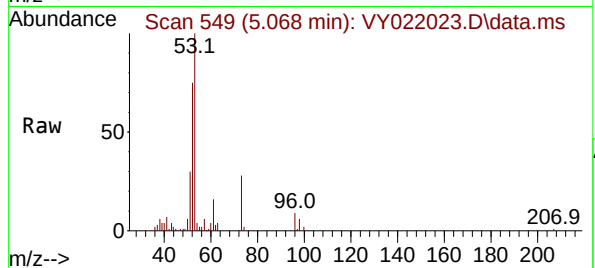
ClientSampleId :

VY0428SBS01

Tgt Ion:	53	Resp:	50909
Ion Ratio	Lower	Upper	
53	100		
52	78.7	65.0	97.6
51	36.2	28.9	43.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#16

Acetone

Concen: 88.799 ug/l

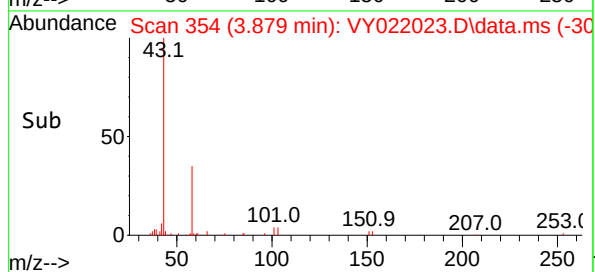
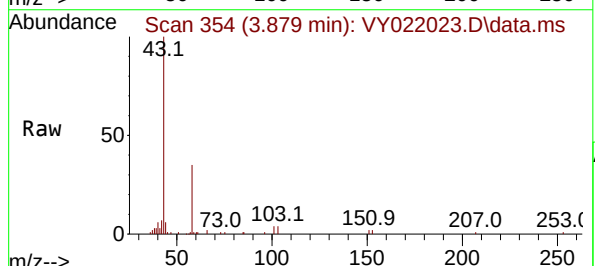
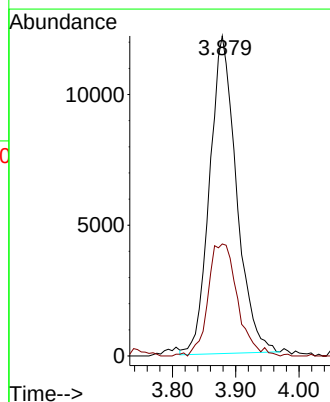
RT: 3.879 min Scan# 354

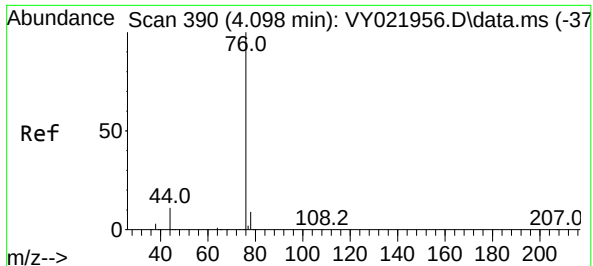
Delta R.T. -0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	43	Resp:	35815
Ion Ratio	Lower	Upper	
43	100		
58	35.5	27.0	40.4





#17

Carbon Disulfide

Concen: 20.244 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 76 Resp: 185314

Ion Ratio Lower Upper

76 100

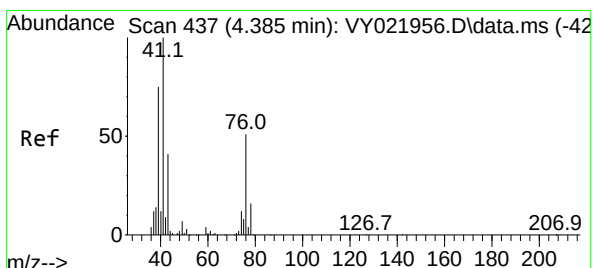
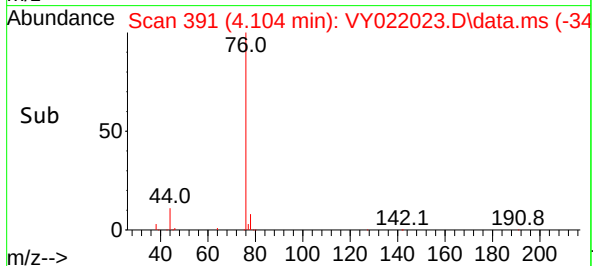
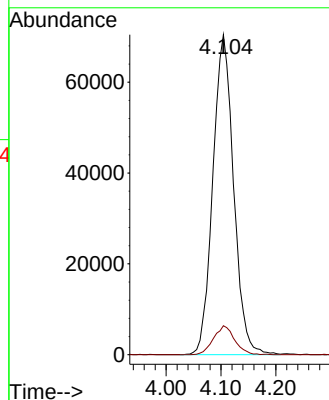
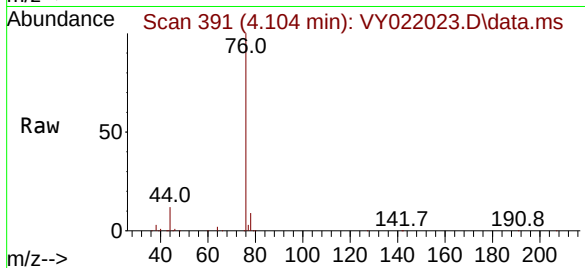
78 9.1 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#18

Methyl Acetate

Concen: 19.637 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY022023.D

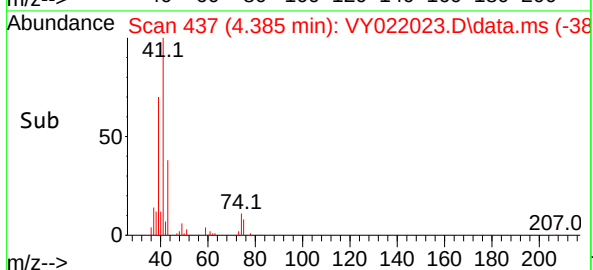
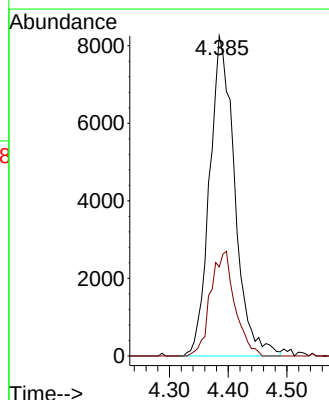
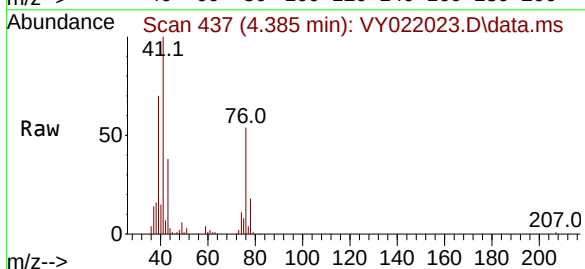
Acq: 28 Apr 2025 11:40

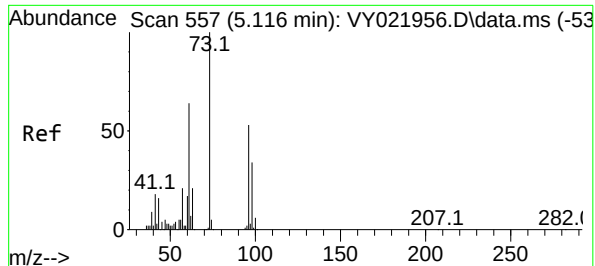
Tgt Ion: 43 Resp: 24470

Ion Ratio Lower Upper

43 100

74 31.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 18.795 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 73 Resp: 12077

Ion Ratio Lower Upper

73 100

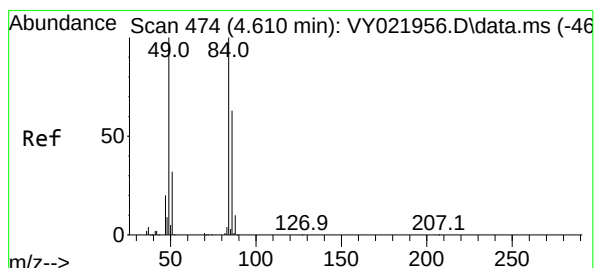
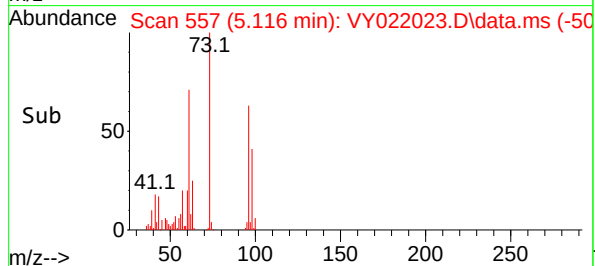
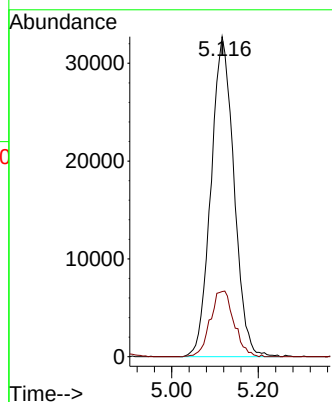
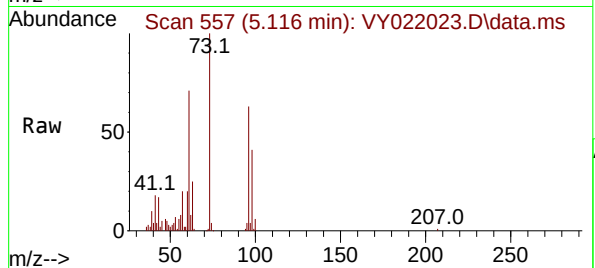
57 20.3 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#20

Methylene Chloride

Concen: 19.926 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion: 84 Resp: 67212

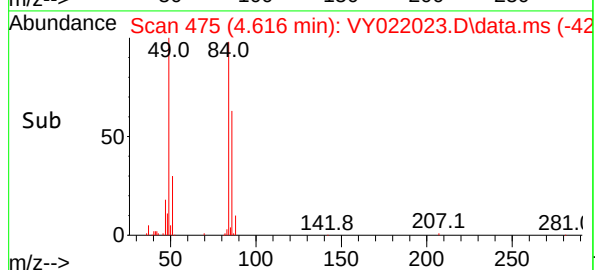
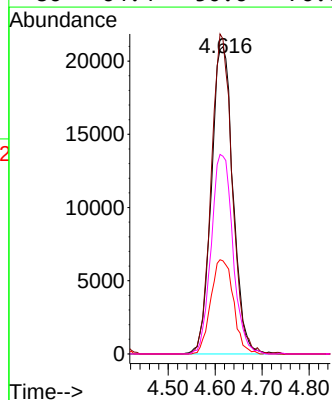
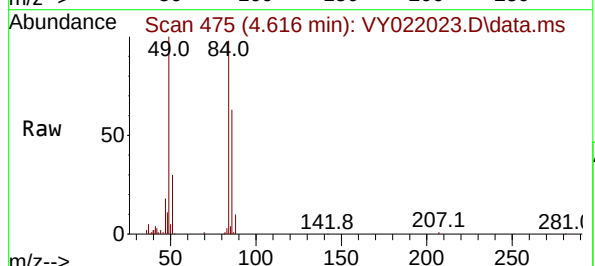
Ion Ratio Lower Upper

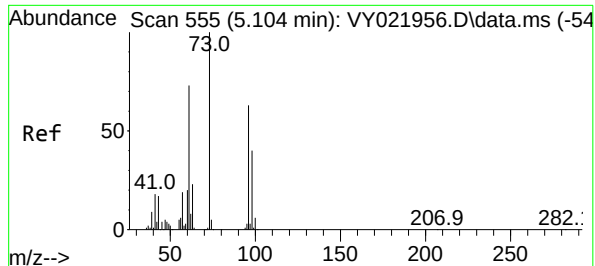
84 100

49 102.6 79.9 119.9

51 30.3 25.4 38.0

86 64.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.375 ug/l

RT: 5.116 min Scan# 511

Delta R.T. 0.012 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

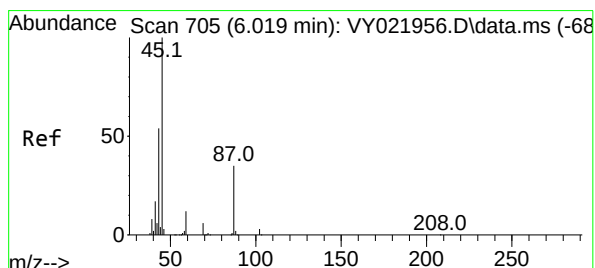
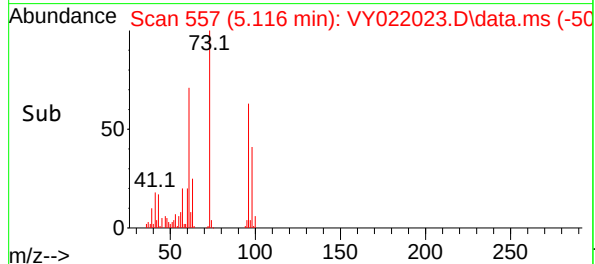
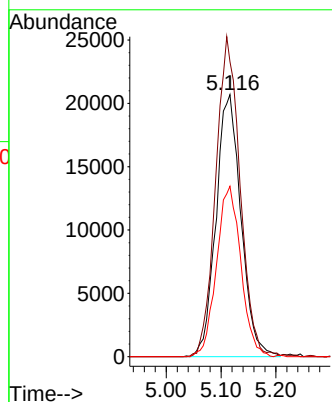
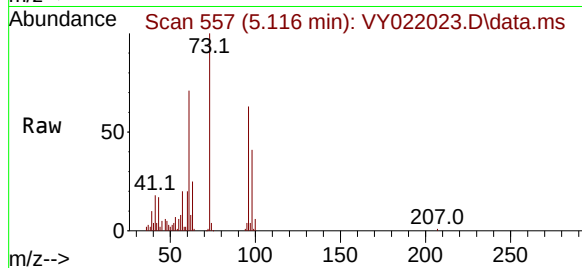
VY0428SBS01

Tgt Ion:	96	Resp:	6551
Ion Ratio	Lower	Upper	
96	100		
61	112.6	92.6	138.8
98	65.0	50.2	75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#22

Diisopropyl ether

Concen: 20.467 ug/l

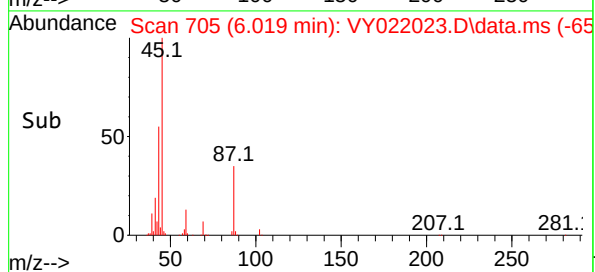
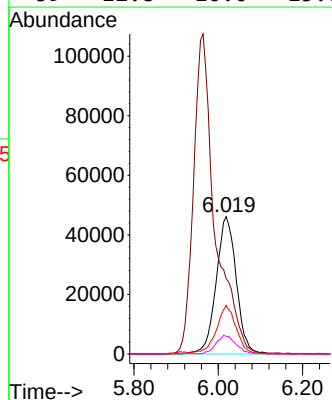
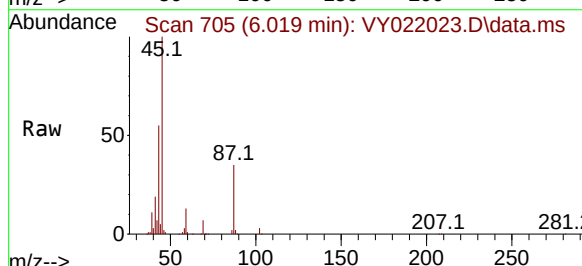
RT: 6.019 min Scan# 705

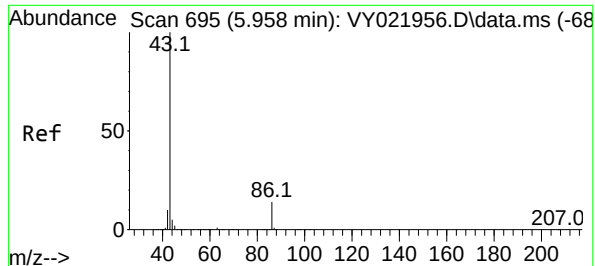
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	45	Resp:	152261
Ion Ratio	Lower	Upper	
45	100		
43	54.3	43.6	65.4
87	35.3	28.2	42.4
59	12.8	10.0	15.0





#23

Vinyl Acetate

Concen: 94.888 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 43 Resp: 38044

Ion Ratio Lower Upper

43

100

86

13.1

11.1

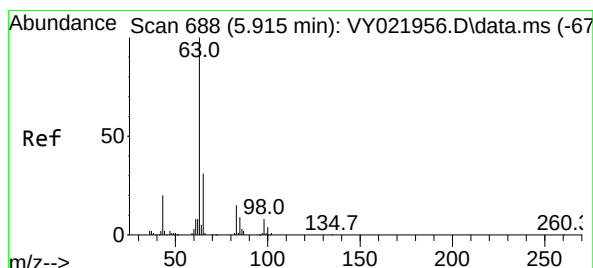
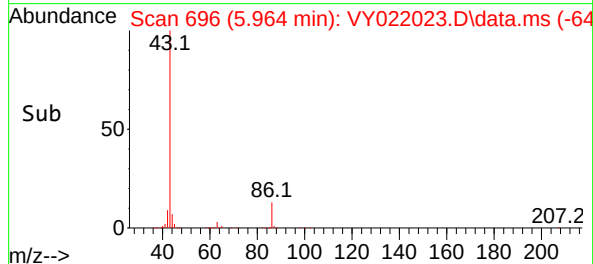
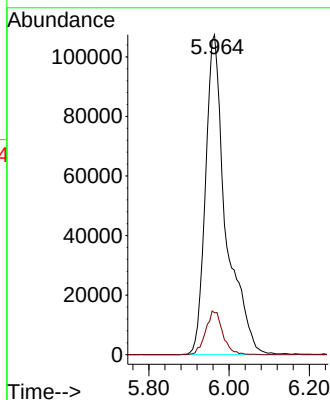
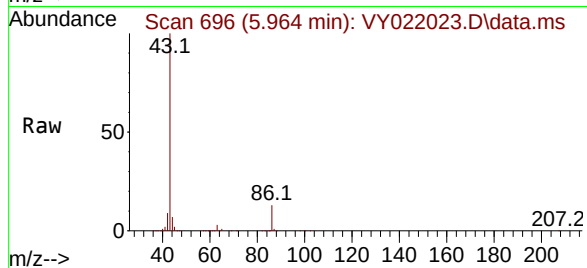
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#24

1,1-Dichloroethane

Concen: 20.539 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion: 63 Resp: 105916

Ion Ratio Lower Upper

63

100

98

6.8

4.0

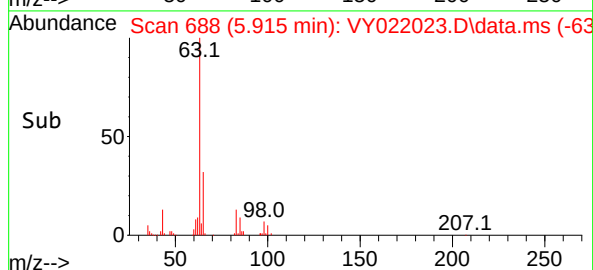
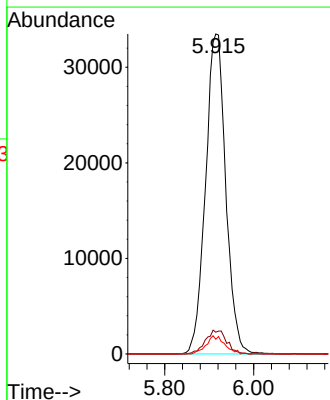
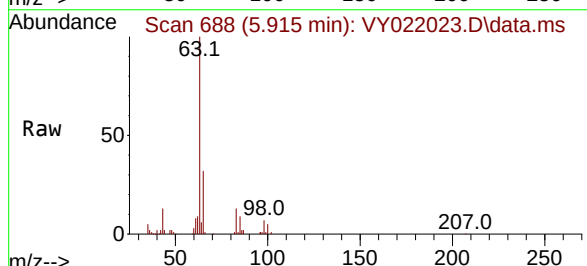
11.9

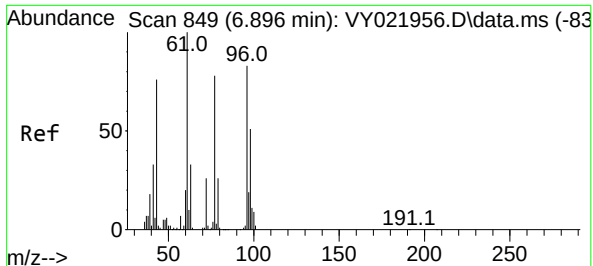
100

4.6

2.0

6.0





#25

2-Butanone

Concen: 89.353 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 43 Resp: 5433

Ion Ratio Lower Upper

43 100

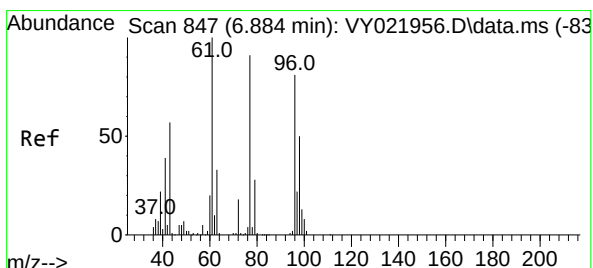
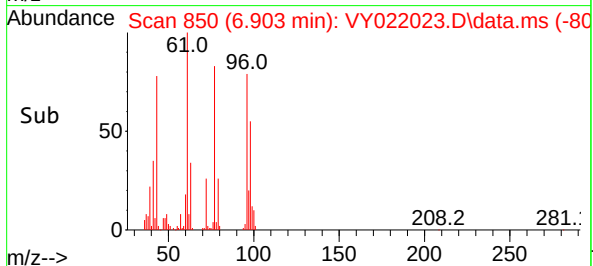
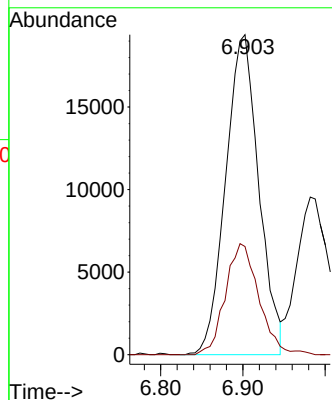
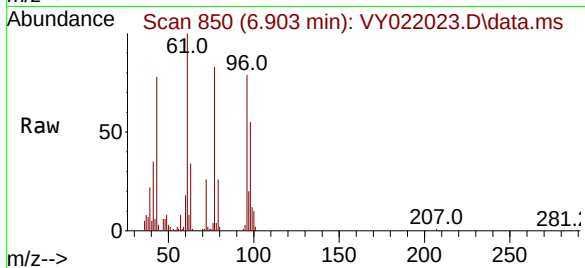
72 33.8 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#26

2,2-Dichloropropane

Concen: 21.157 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022023.D

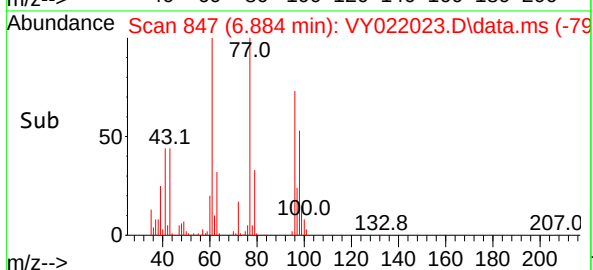
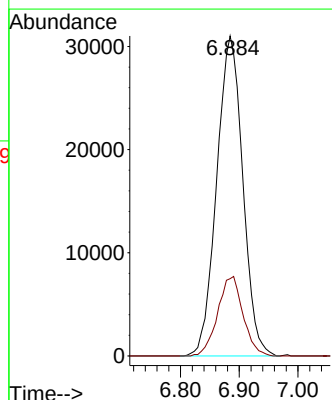
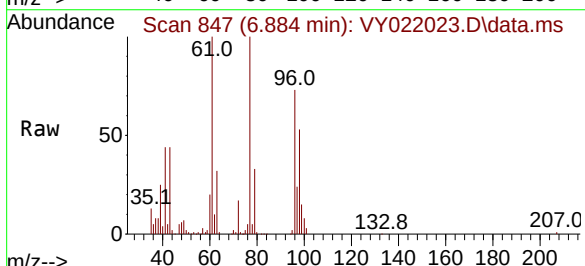
Acq: 28 Apr 2025 11:40

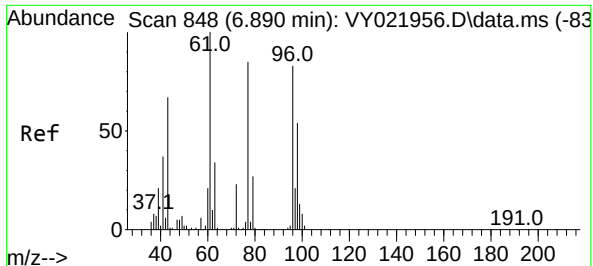
Tgt Ion: 77 Resp: 95622

Ion Ratio Lower Upper

77 100

97 24.1 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 19.896 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

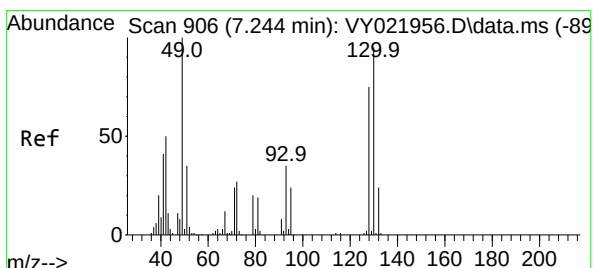
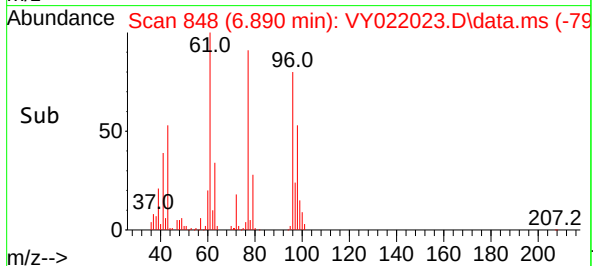
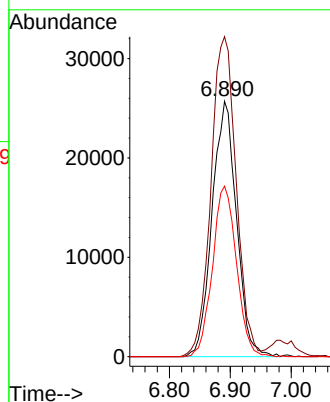
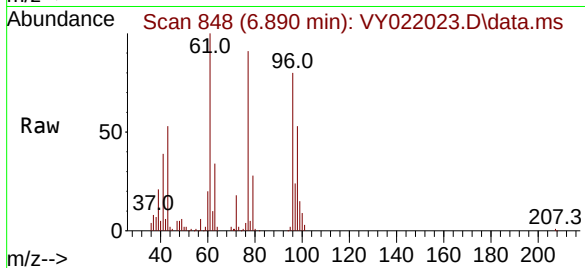
Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:	96	Resp:	7153
Ion Ratio	Lower	Upper	
96	100		
61	129.5	0.0	251.4
98	65.8	0.0	128.4

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

#28

Bromochloromethane

Concen: 20.270 ug/l

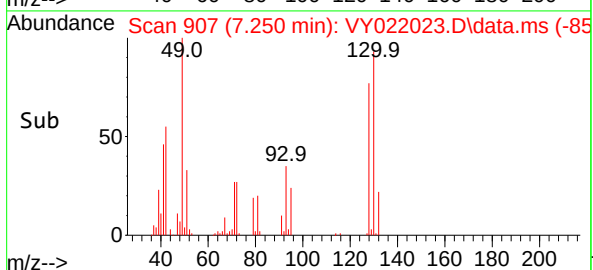
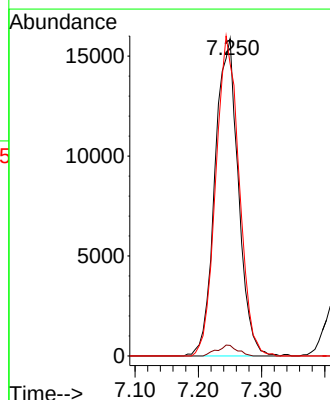
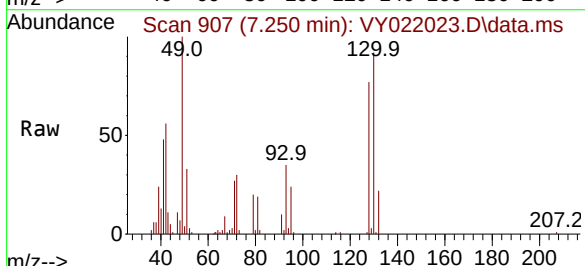
RT: 7.250 min Scan# 907

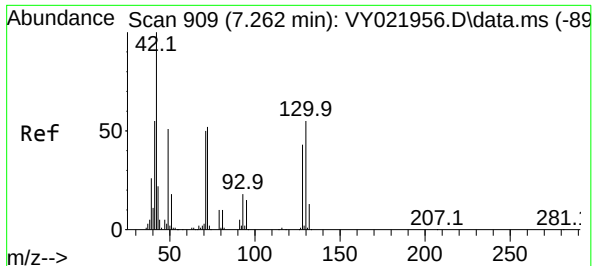
Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	49	Resp:	40600
Ion Ratio	Lower	Upper	
49	100		
129	3.0	0.0	5.0
130	100.7	78.2	117.4





#29

Tetrahydrofuran

Concen: 91.193 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

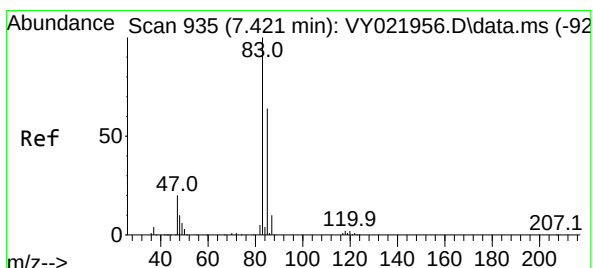
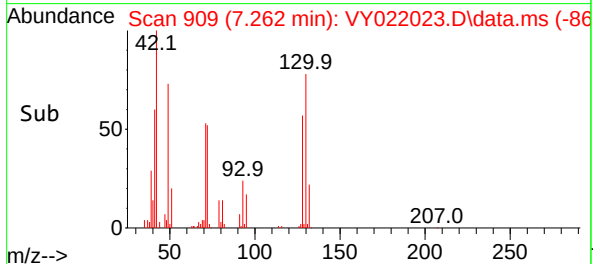
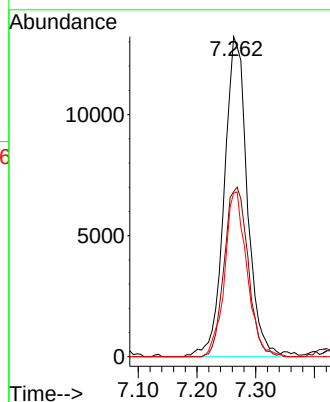
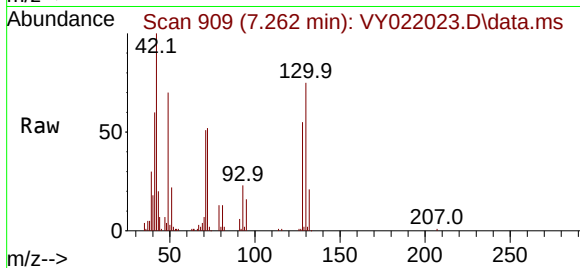
Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:	42	Resp:	3601
Ion Ratio	Lower	Upper	
42	100		
72	54.9	42.6	63.8
71	50.0	40.6	61.0

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

#30

Chloroform

Concen: 20.997 ug/l

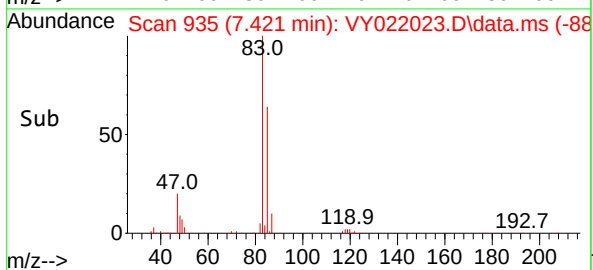
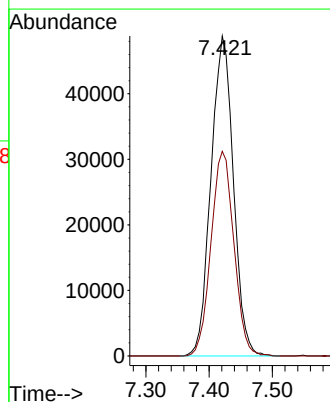
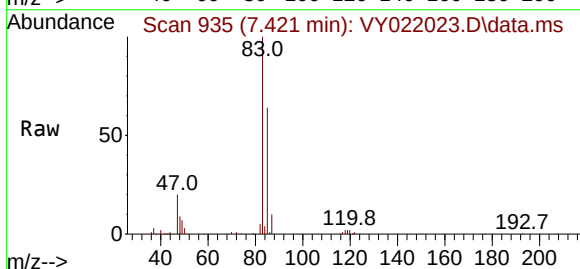
RT: 7.421 min Scan# 935

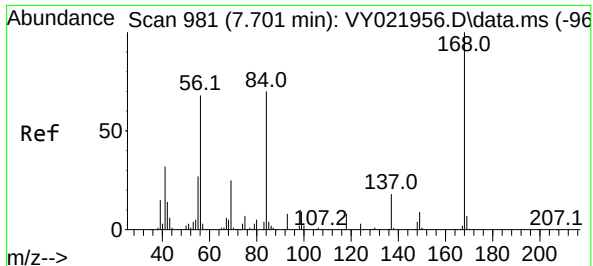
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	83	Resp:	120103
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.3	76.9





#31

Cyclohexane

Concen: 19.307 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

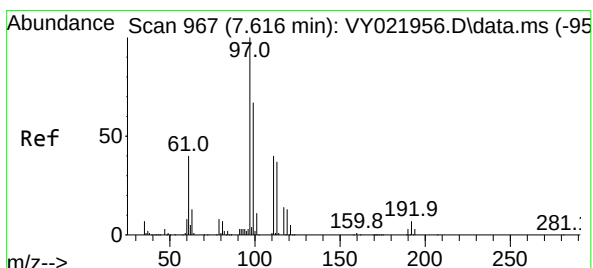
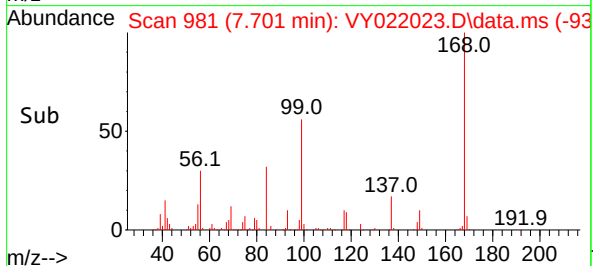
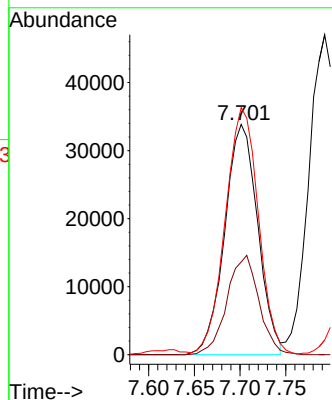
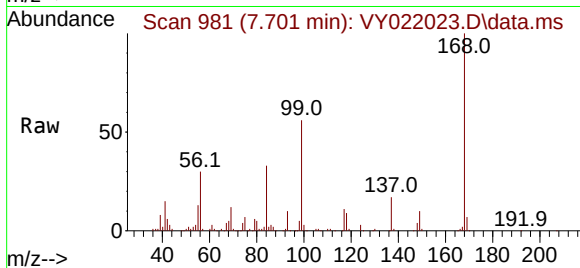
Tgt Ion: 56 Resp: 85140

Ion	Ratio	Lower	Upper
56	100		
69	40.2	29.4	44.2
84	106.1	82.2	123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025



#32

1,1,1-Trichloroethane

Concen: 20.603 ug/l

RT: 7.616 min Scan# 967

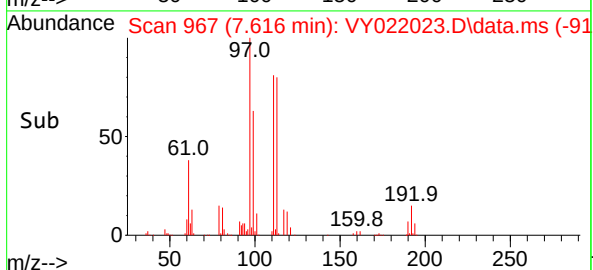
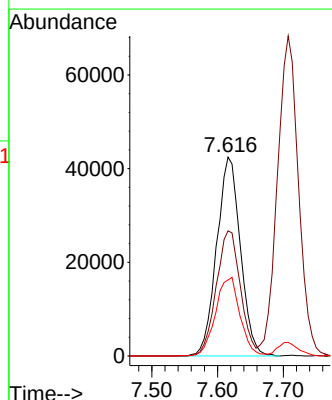
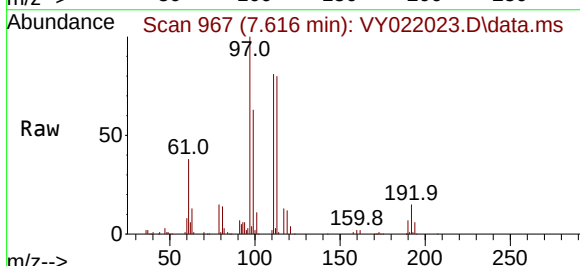
Delta R.T. 0.000 min

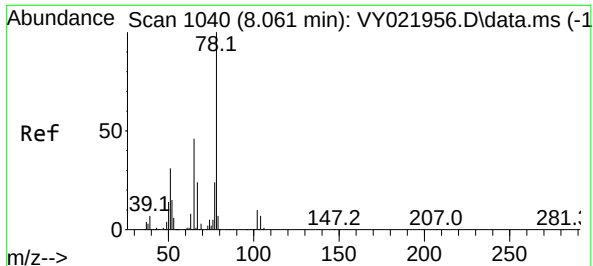
Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion: 97 Resp: 106620

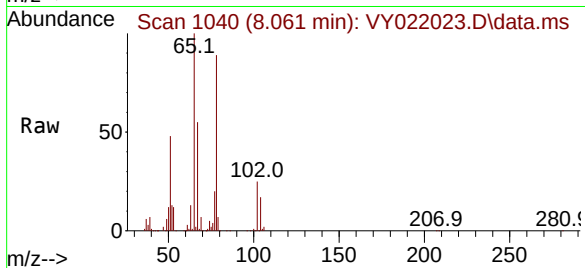
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.2
61	40.8	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 49.495 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

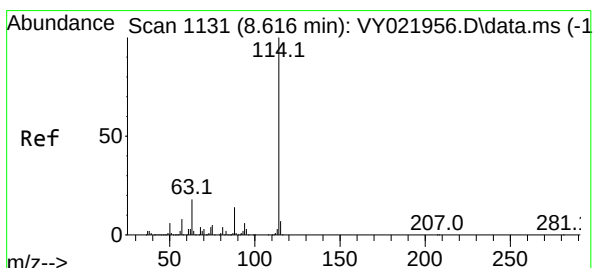
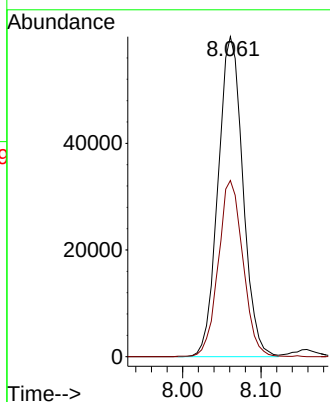
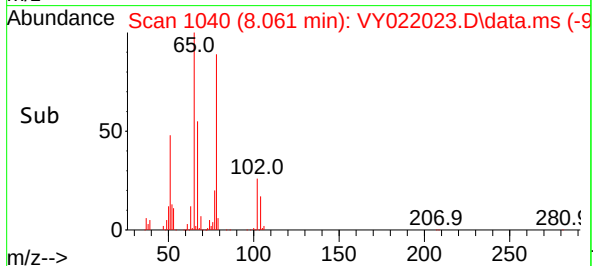
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



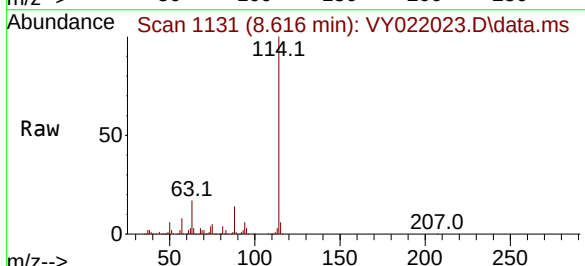
Tgt Ion: 65 Resp: 132035
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.8

Manual Integrations
APPROVED

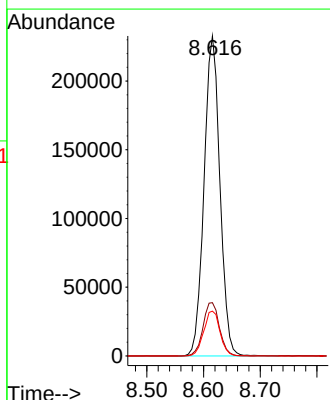
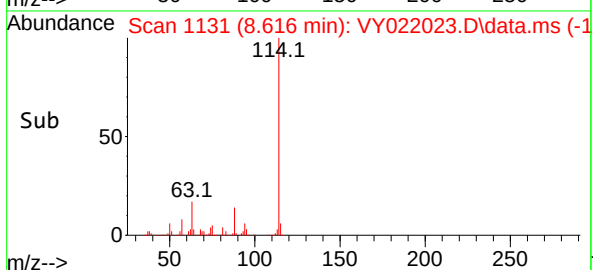
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

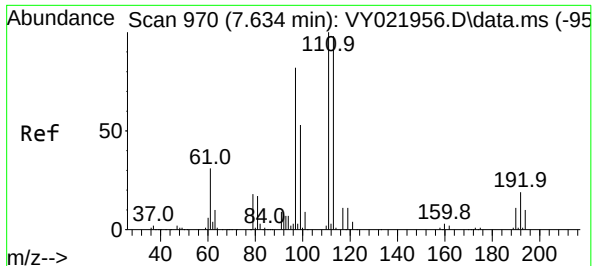


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



Tgt Ion:114 Resp: 451635
Ion Ratio Lower Upper
114 100
63 16.7 0.0 35.4
88 14.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 50.749 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

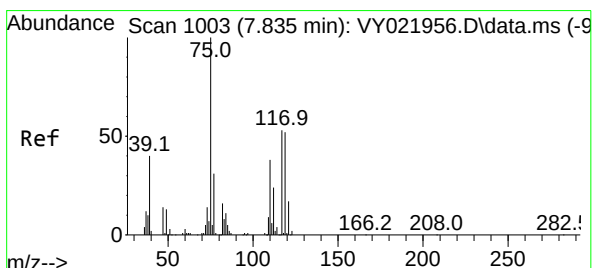
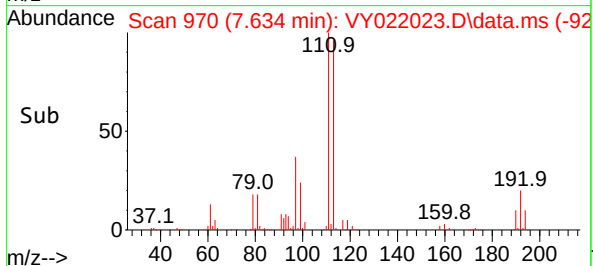
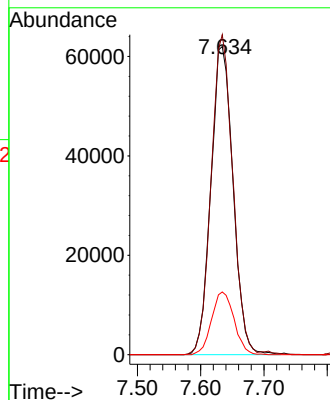
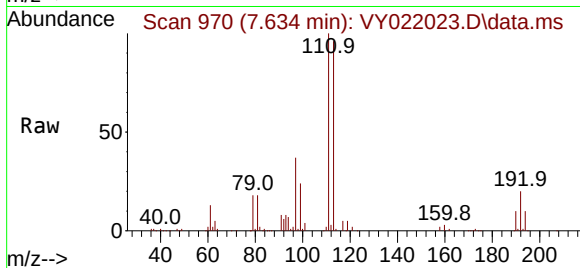
Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:	113	Resp:	15142
Ion Ratio	Lower	Upper	
113	100		
111	101.0	81.8	122.8
192	20.6	15.6	23.4

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

#36

1,1-Dichloropropene

Concen: 19.960 ug/l

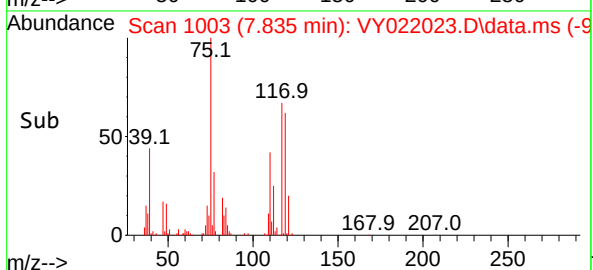
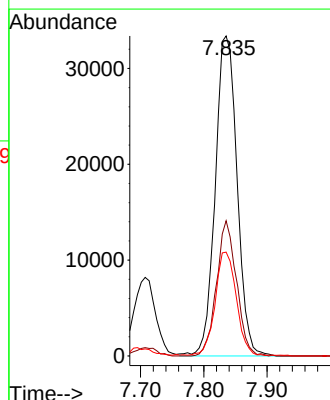
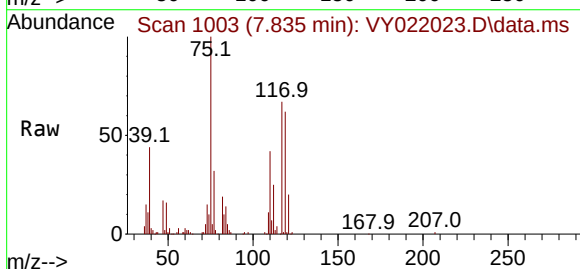
RT: 7.835 min Scan# 1003

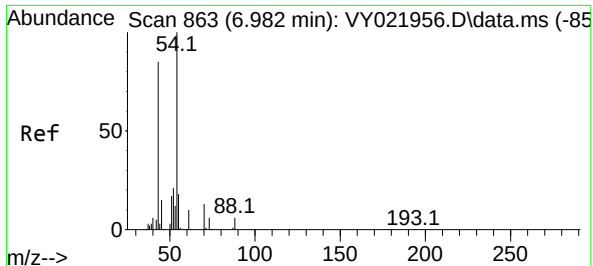
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	75	Resp:	79998
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.1	57.3
77	31.1	25.5	38.3





#37

Ethyl Acetate

Concen: 18.794 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

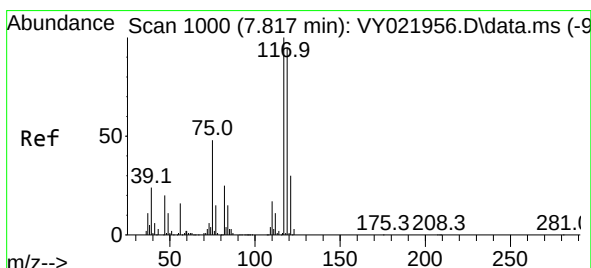
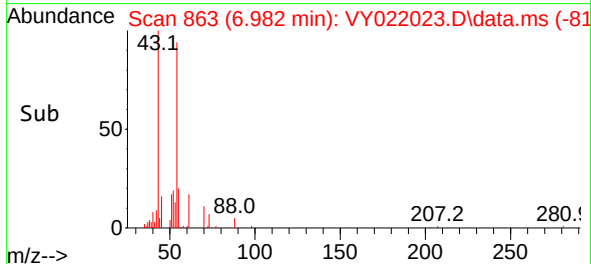
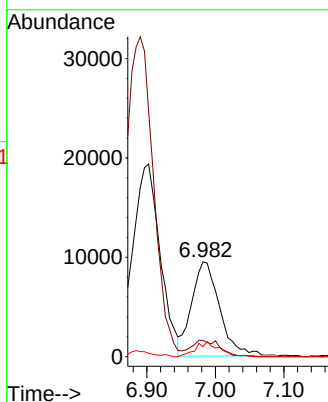
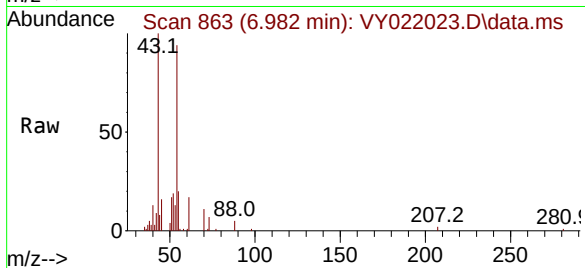
Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:	43	Resp:	27054
Ion Ratio	Lower	Upper	
43	100		
61	18.0	13.8	20.6
70	13.3	9.2	13.8

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

#38

Carbon Tetrachloride

Concen: 20.888 ug/l

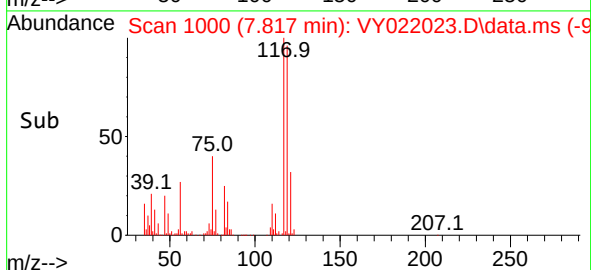
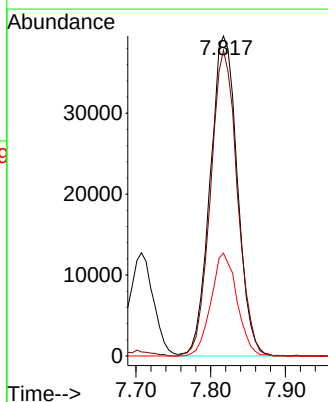
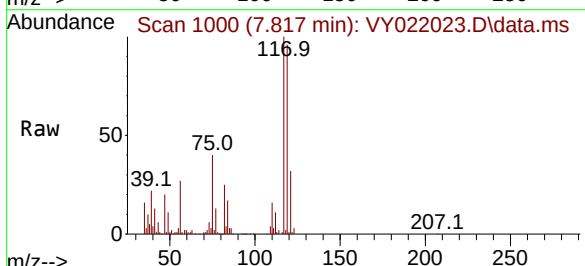
RT: 7.817 min Scan# 1000

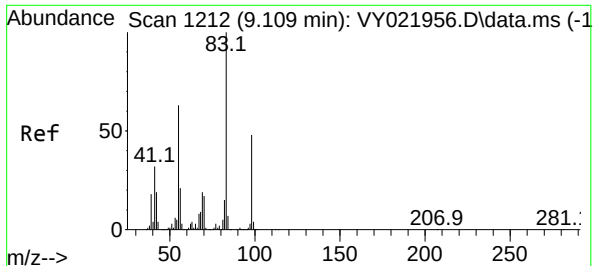
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	117	Resp:	100038
Ion Ratio	Lower	Upper	
117	100		
119	95.6	76.2	114.4
121	32.2	24.0	36.0





#39

Methylcyclohexane

Concen: 19.137 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

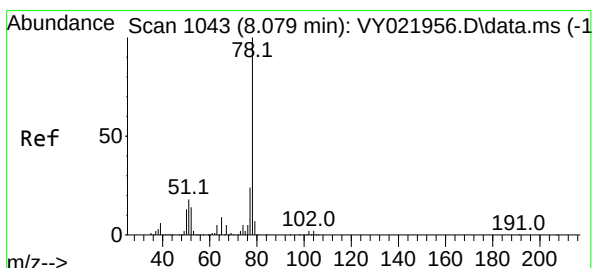
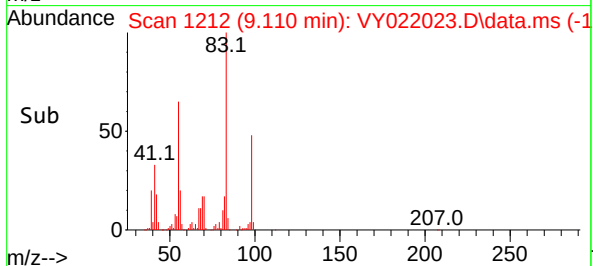
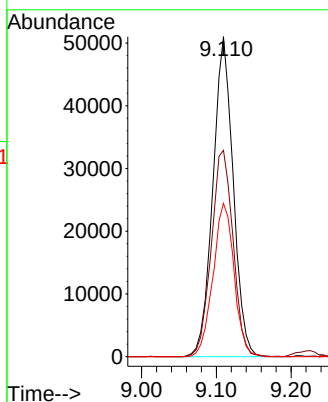
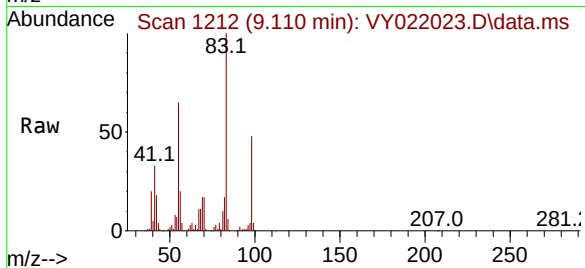
ClientSampleId :

VY0428SBS01

Tgt Ion: 83	Resp: 9652
Ion Ratio	Lower Upper
83 100	
55 64.5	50.6 75.8
98 47.9	38.6 58.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#40

Benzene

Concen: 21.003 ug/l

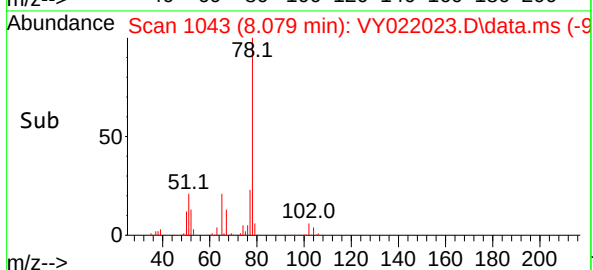
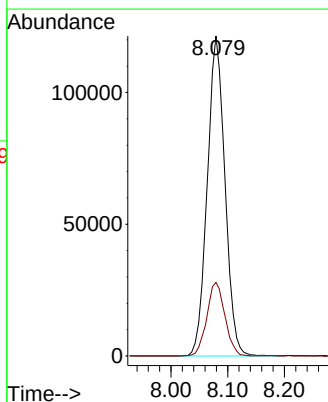
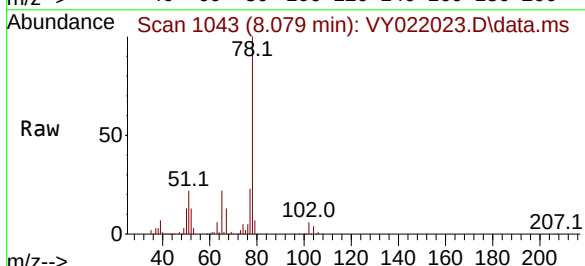
RT: 8.079 min Scan# 1043

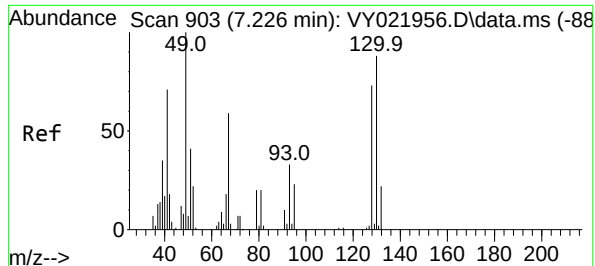
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion: 78	Resp: 263141
Ion Ratio	Lower Upper
78 100	
77 23.0	19.3 28.9





#41

Methacrylonitrile

Concen: 17.888 ug/l

RT: 7.213 min Scan# 903

Delta R.T. -0.012 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 41 Resp: 14070

Ion Ratio Lower Upper

41 100

39 47.8 36.6 55.0

67 93.1 72.2 108.4

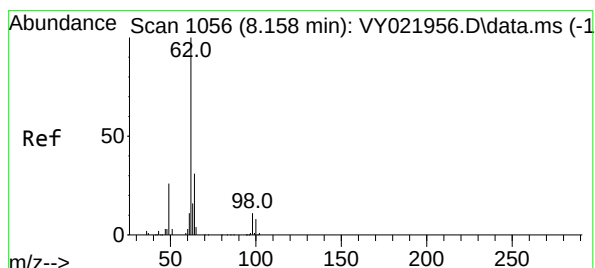
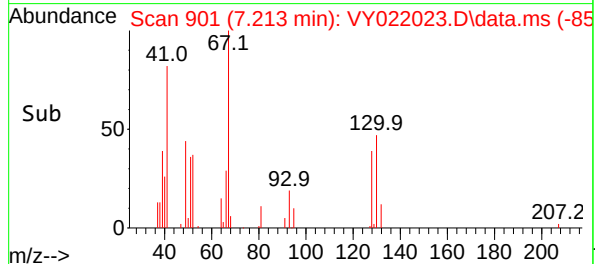
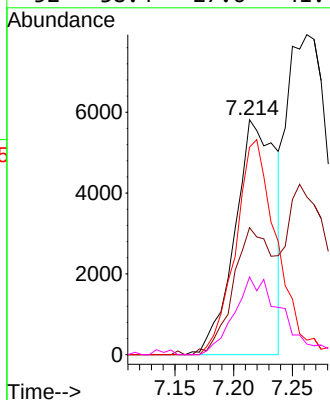
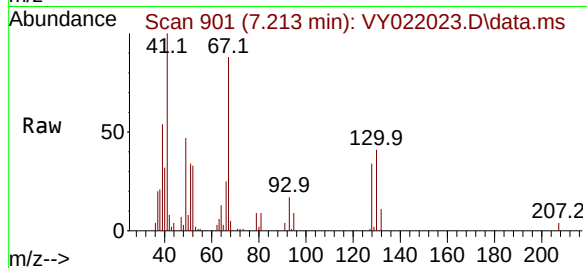
52 38.4 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#42

1,2-Dichloroethane

Concen: 20.260 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY022023.D

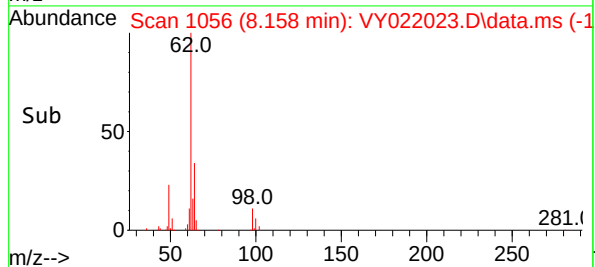
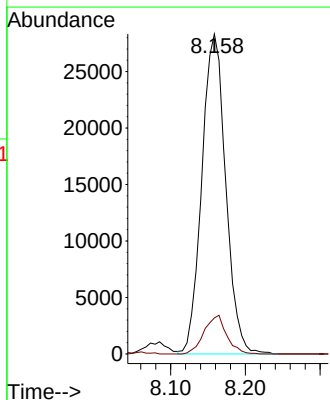
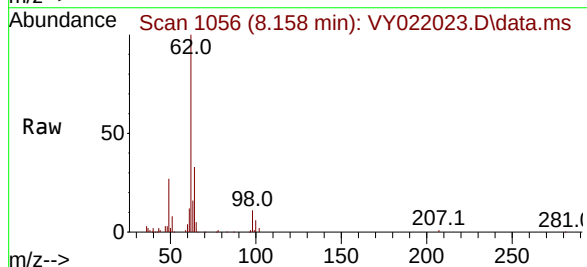
Acq: 28 Apr 2025 11:40

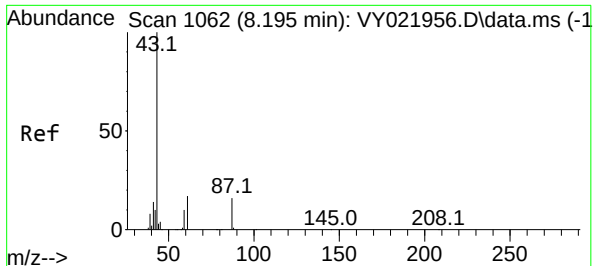
Tgt Ion: 62 Resp: 62844

Ion Ratio Lower Upper

62 100

98 11.4 0.0 22.0





#43

Isopropyl Acetate

Concen: 18.556 ug/l

RT: 8.195 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

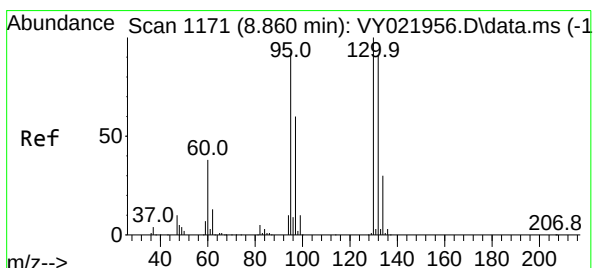
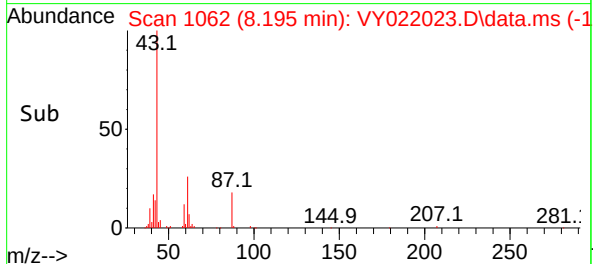
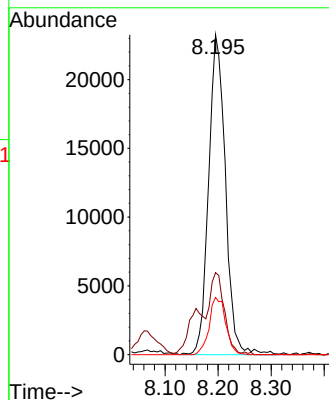
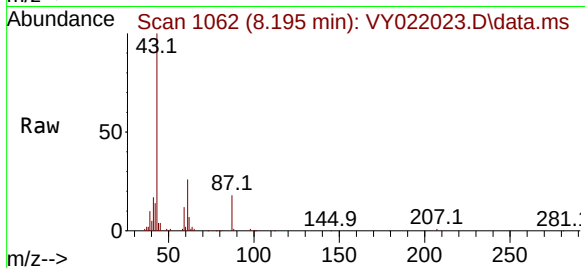
ClientSampleId :

VY0428SBS01

Tgt Ion: 43	Resp: 5129
Ion Ratio	Lower Upper
43 100	
61 22.2	18.9 28.3
87 17.6	13.7 20.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#44

Trichloroethene

Concen: 20.773 ug/l

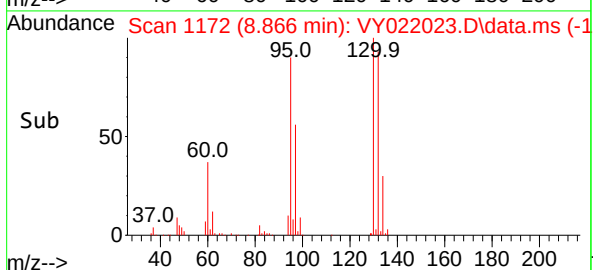
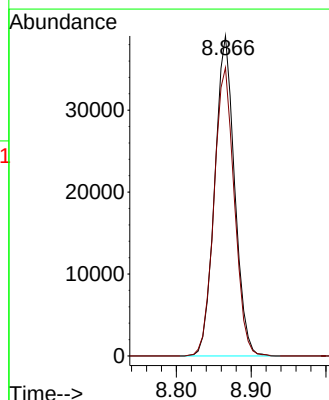
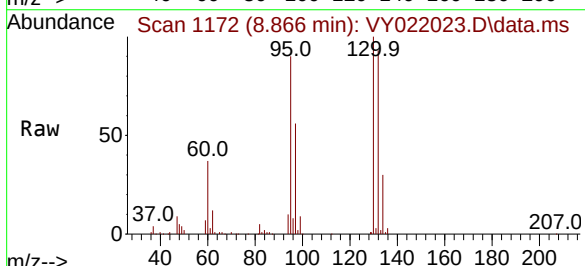
RT: 8.866 min Scan# 1172

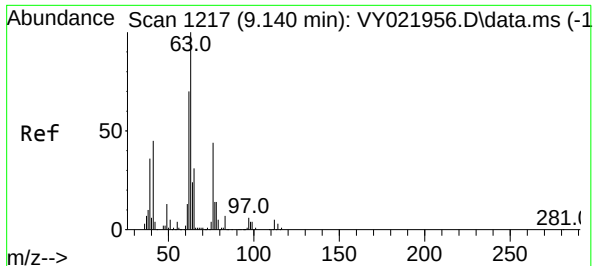
Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:130	Resp: 72088
Ion Ratio	Lower Upper
130 100	
95 90.1	0.0 183.2





#45

1,2-Dichloropropane

Concen: 20.333 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 63 Resp: 56330

Ion Ratio Lower Upper

63 100

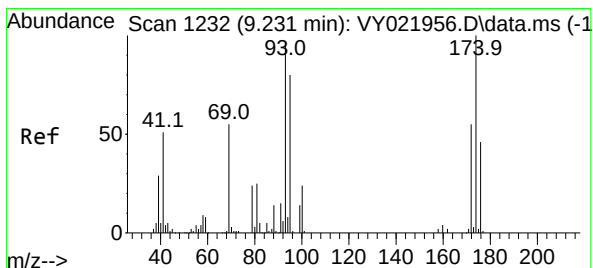
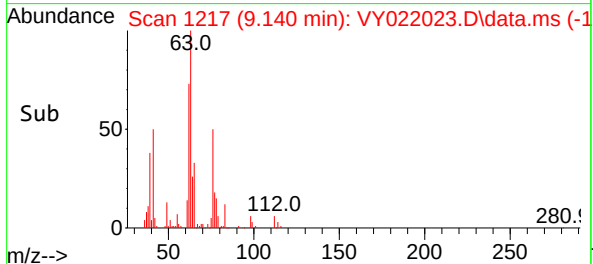
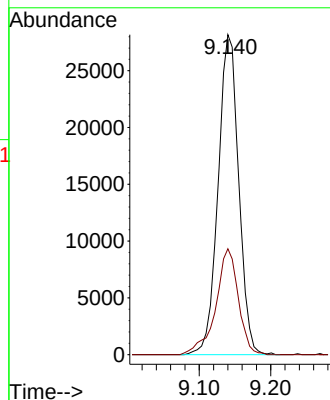
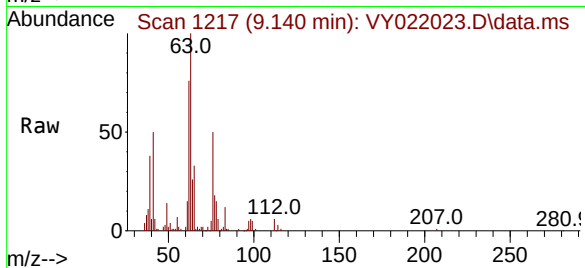
65 33.1 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#46

Dibromomethane

Concen: 20.183 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

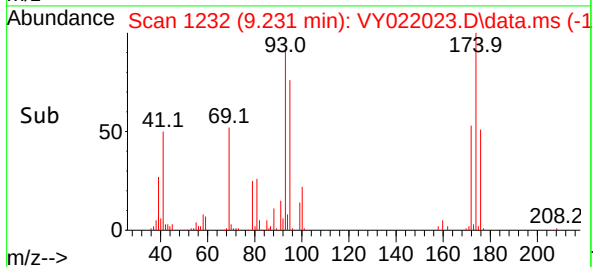
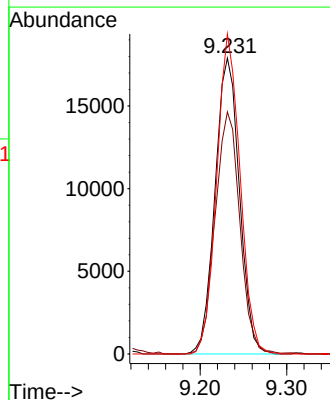
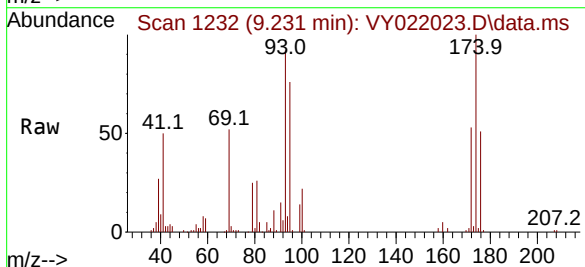
Tgt Ion: 93 Resp: 35005

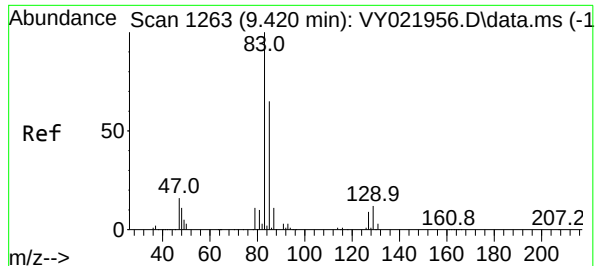
Ion Ratio Lower Upper

93 100

95 83.3 66.7 100.1

174 103.9 84.6 127.0





#47

Bromodichloromethane

Concen: 21.008 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

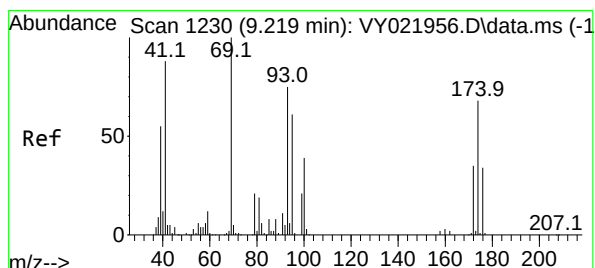
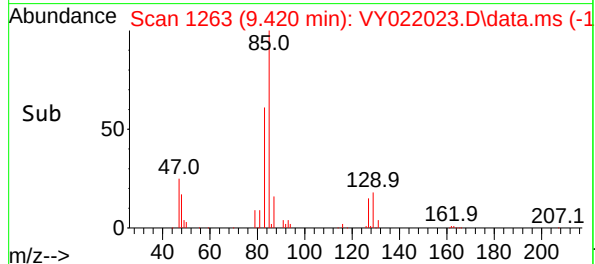
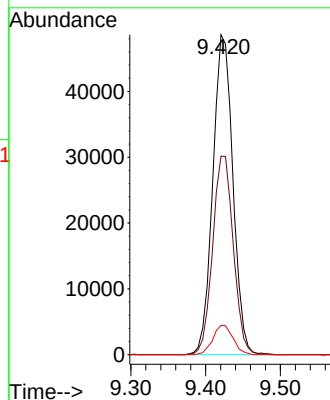
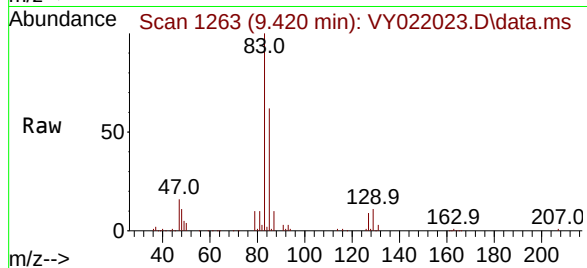
Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:	83	Resp:	91024
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.8	77.8
127	9.1	7.0	10.6

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

#48

Methyl methacrylate

Concen: 18.377 ug/l

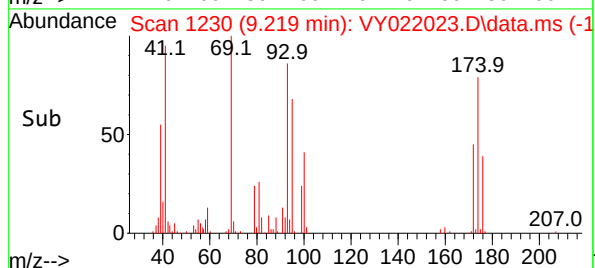
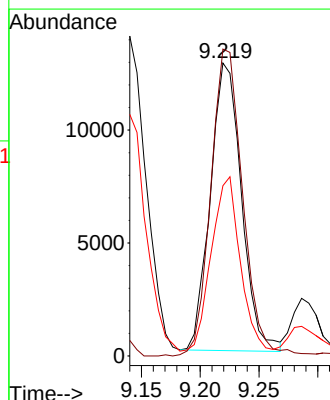
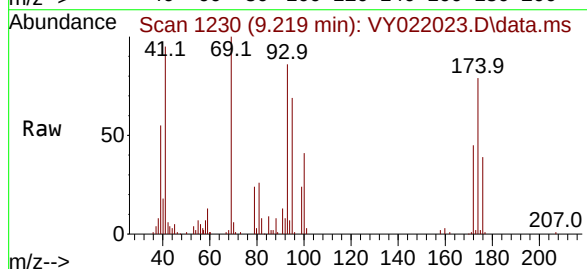
RT: 9.219 min Scan# 1230

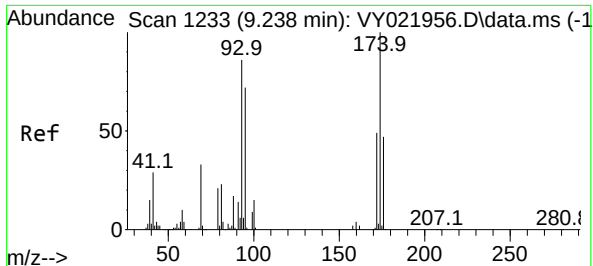
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	41	Resp:	23485
Ion Ratio	Lower	Upper	
41	100		
69	109.2	85.5	128.3
39	56.5	46.2	69.4





#49

1,4-Dioxane

Concen: 375.040 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 88 Resp: 693

Ion Ratio Lower Upper

88 100

43 19.1 21.3 31.9

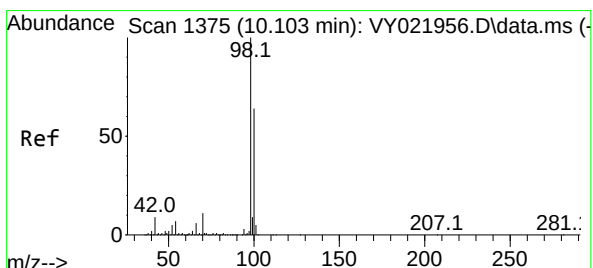
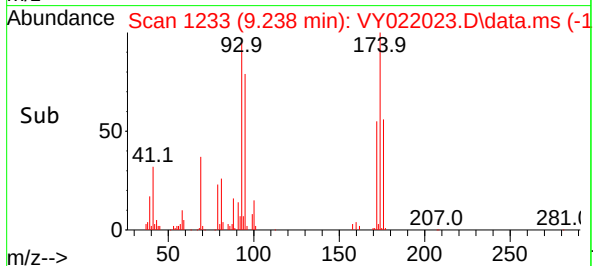
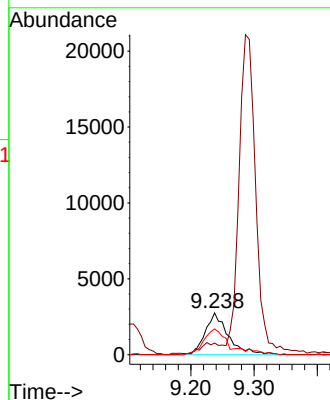
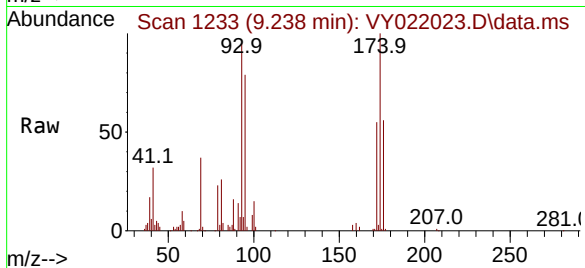
58 62.4 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#50

Toluene-d8

Concen: 51.869 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022023.D

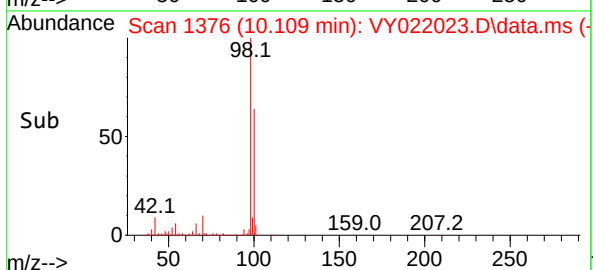
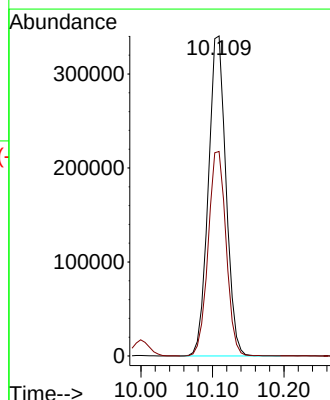
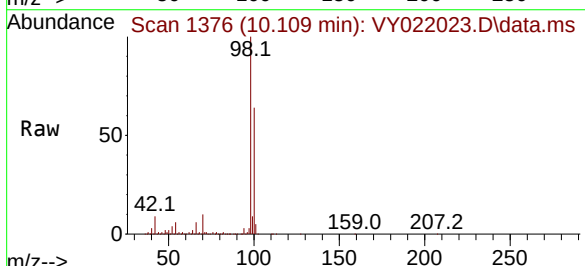
Acq: 28 Apr 2025 11:40

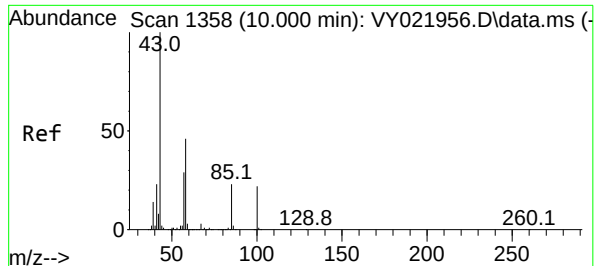
Tgt Ion: 98 Resp: 583457

Ion Ratio Lower Upper

98 100

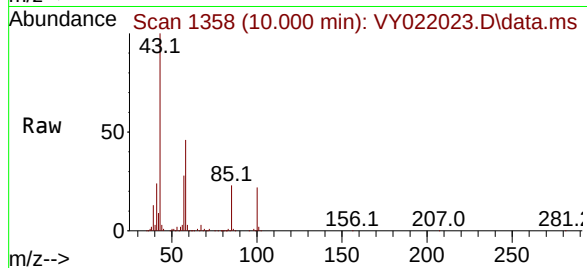
100 64.8 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 92.823 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

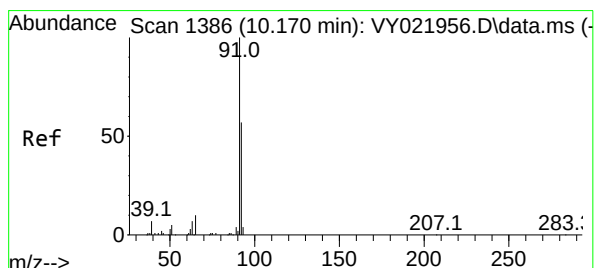
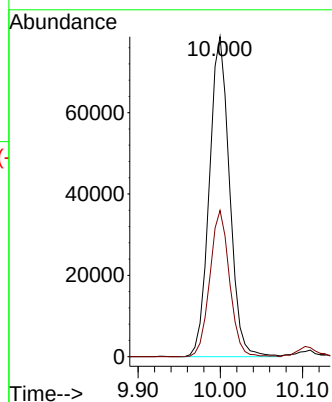
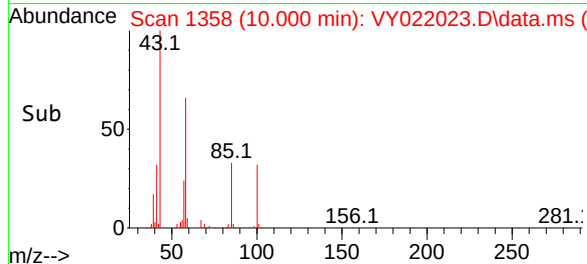
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



Tgt Ion: 43 Resp: 13451
Ion Ratio Lower Upper
43 100
58 44.5 36.6 55.0

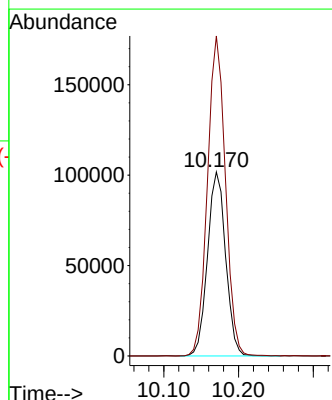
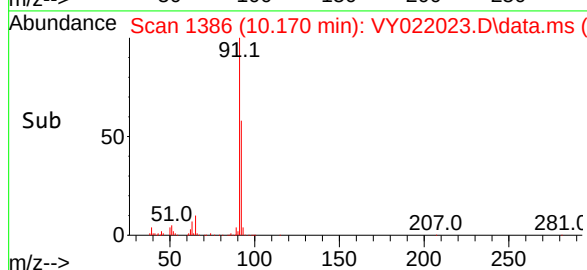
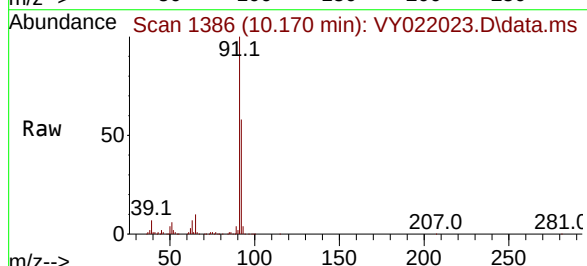
Manual Integrations
APPROVED

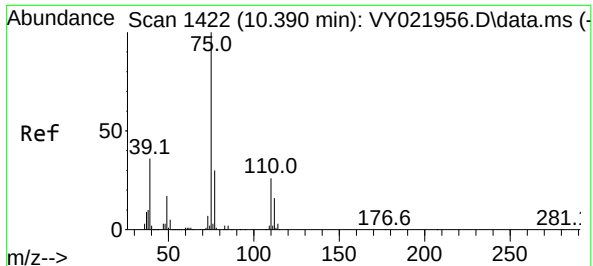
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#52
Toluene
Concen: 21.124 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Tgt Ion: 92 Resp: 171313
Ion Ratio Lower Upper
92 100
91 172.3 138.6 207.8





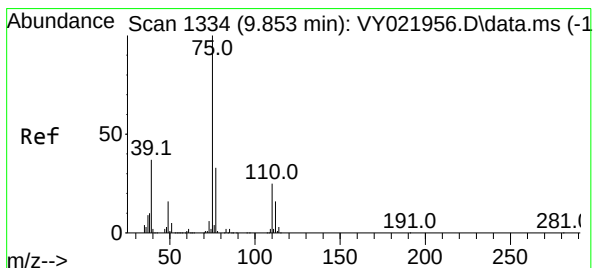
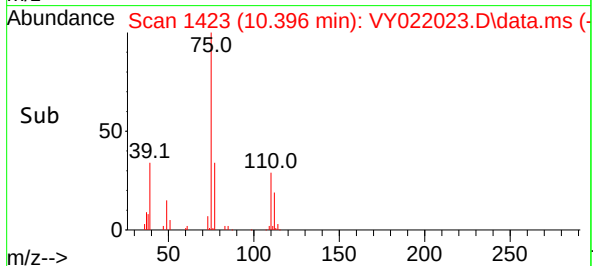
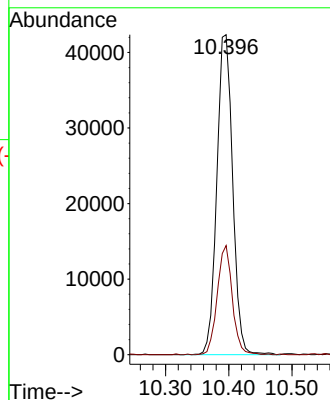
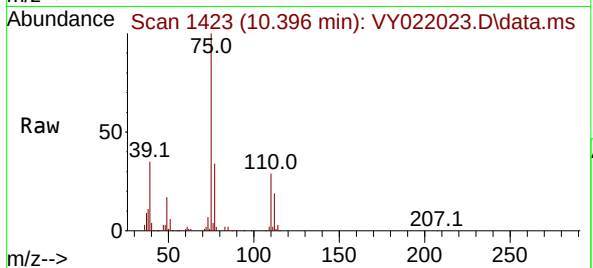
#53
t-1,3-Dichloropropene
Concen: 19.727 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion: 75 Resp: 7331
Ion Ratio Lower Upper
75 100
77 34.1 24.0 36.0

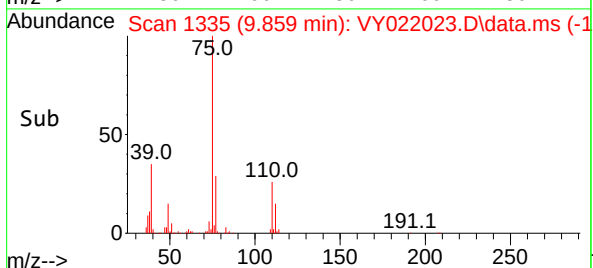
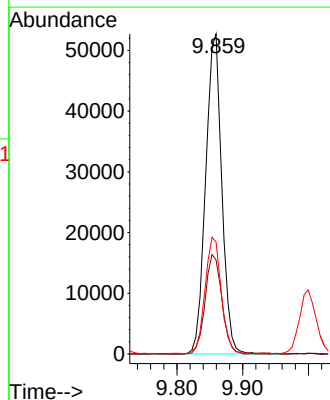
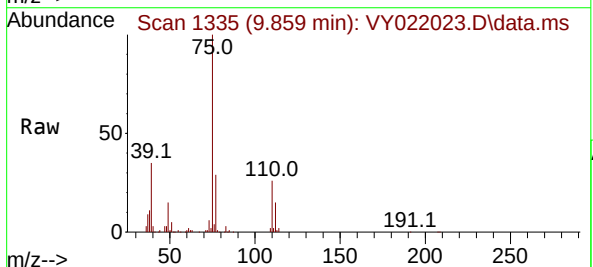
Manual Integrations
APPROVED

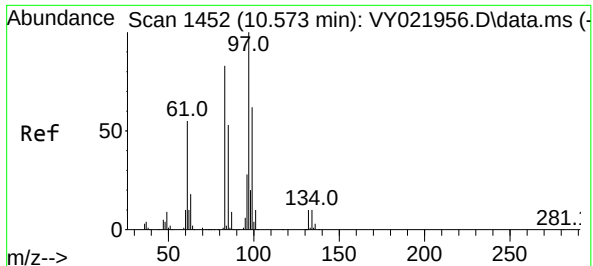
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#54
cis-1,3-Dichloropropene
Concen: 20.315 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

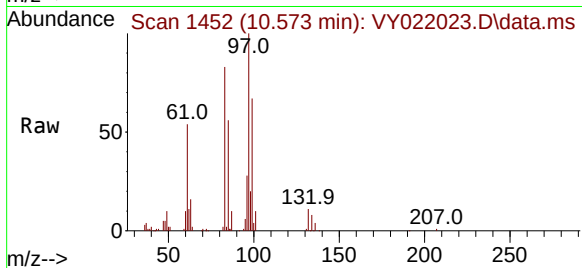
Tgt Ion: 75 Resp: 89748
Ion Ratio Lower Upper
75 100
77 29.4 26.6 40.0
39 34.9 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.441 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

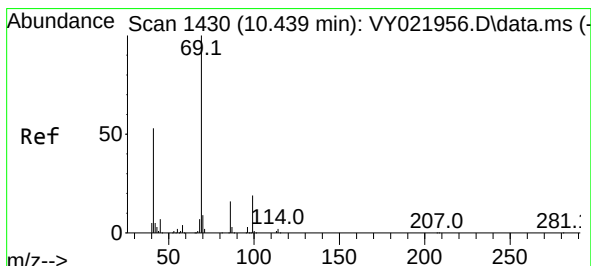
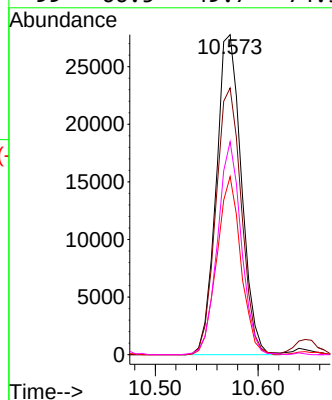
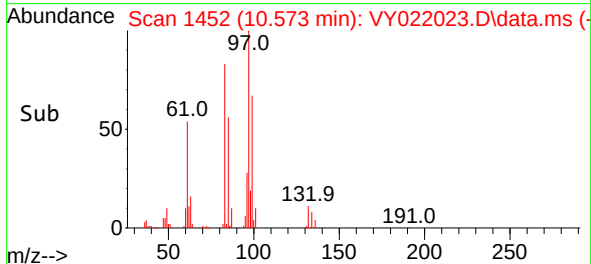
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



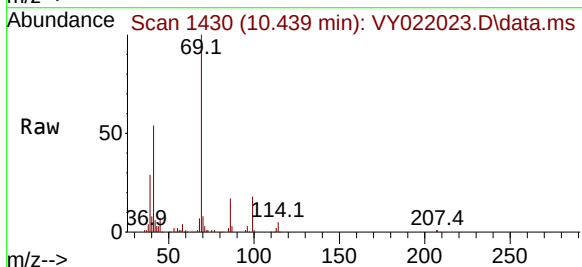
Tgt Ion: 97 Resp: 47358
Ion Ratio Lower Upper
97 100
83 83.4 66.7 100.1
85 55.7 42.6 64.0
99 66.5 49.7 74.5

Manual Integrations
APPROVED

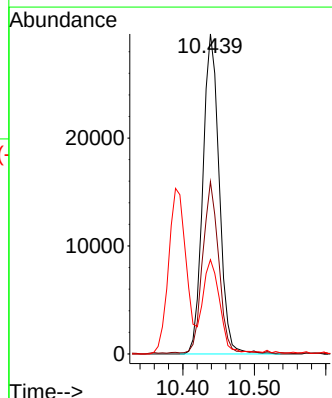
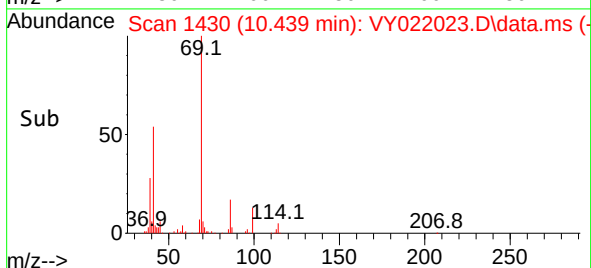
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

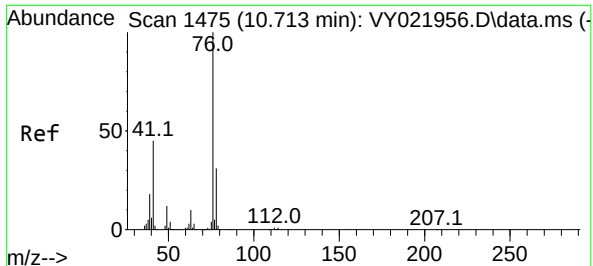


#56
Ethyl methacrylate
Concen: 17.789 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



Tgt Ion: 69 Resp: 47130
Ion Ratio Lower Upper
69 100
41 52.5 40.7 61.1
39 28.5 23.3 34.9





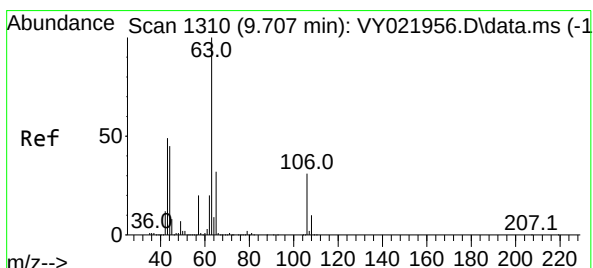
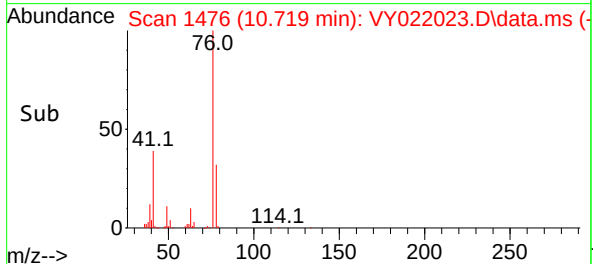
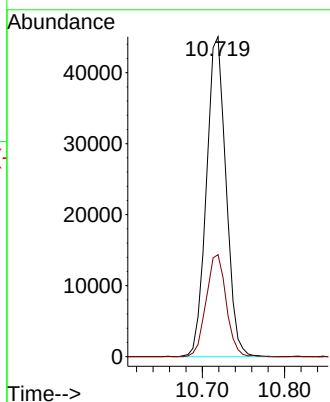
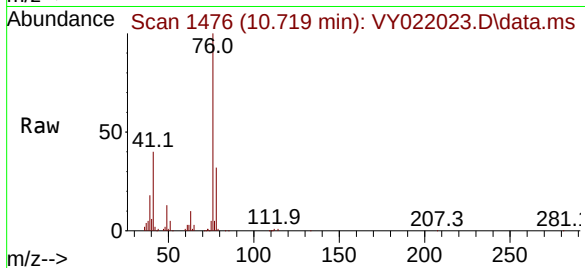
#57
1,3-Dichloropropane
Concen: 20.062 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion: 76 Resp: 7451
Ion Ratio Lower Upper
76 100
78 32.7 26.6 39.8

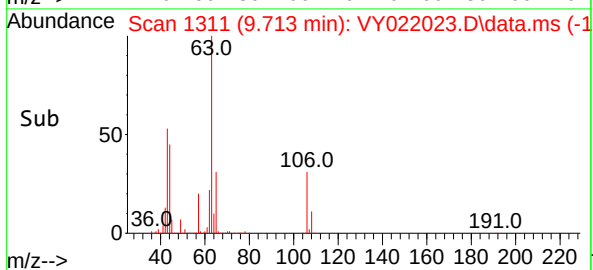
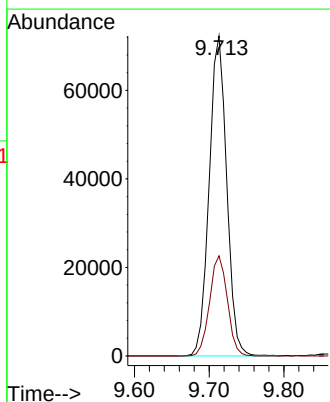
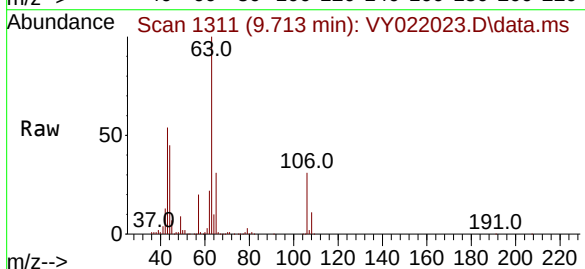
Manual Integrations
APPROVED

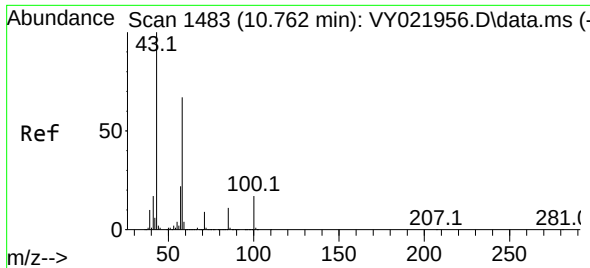
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#58
2-Chloroethyl Vinyl ether
Concen: 90.927 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

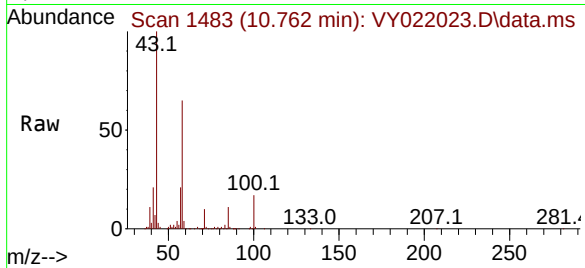
Tgt Ion: 63 Resp: 117783
Ion Ratio Lower Upper
63 100
106 31.6 25.3 37.9





#59
2-Hexanone
Concen: 89.933 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

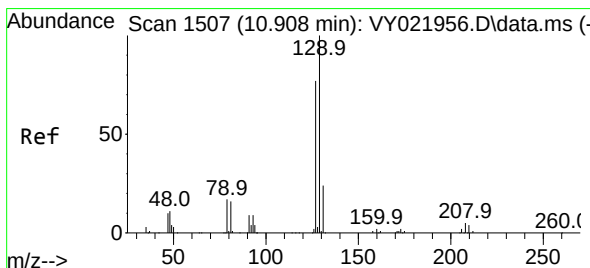
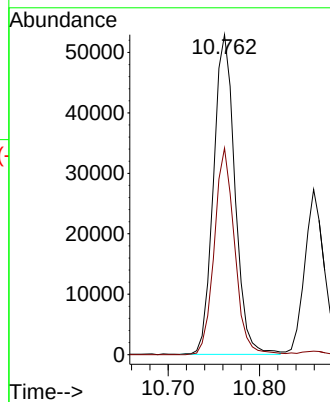
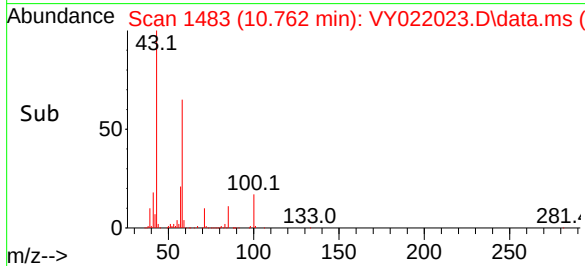
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



Tgt Ion: 43 Resp: 85959
Ion Ratio Lower Upper
43 100
58 61.3 32.0 96.0

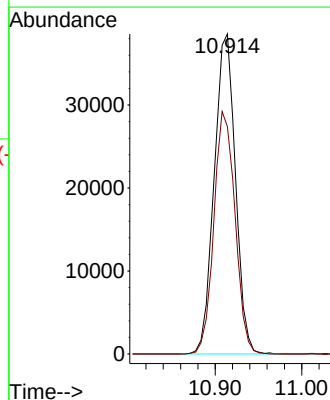
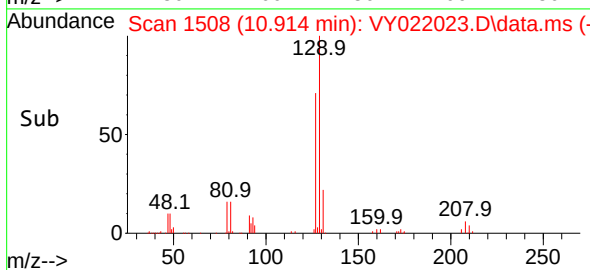
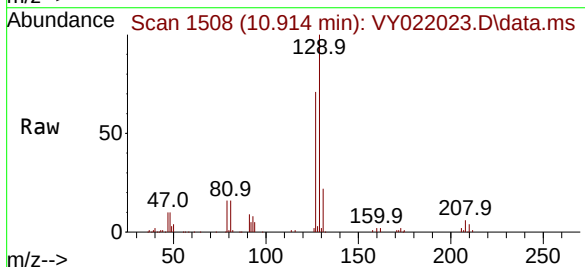
Manual Integrations
APPROVED

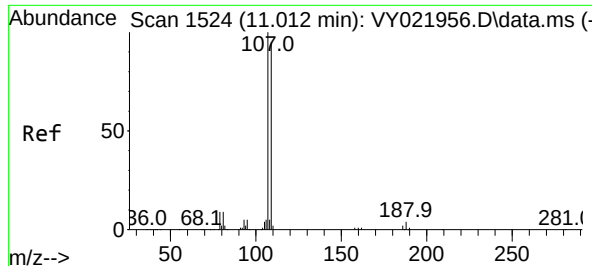
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#60
Dibromochloromethane
Concen: 20.457 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

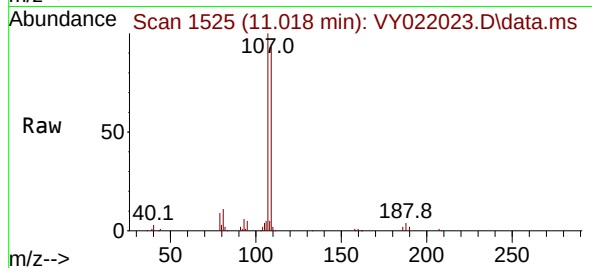
Tgt Ion:129 Resp: 65617
Ion Ratio Lower Upper
129 100
127 75.6 38.5 115.3





#61
1,2-Dibromoethane
Concen: 19.877 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

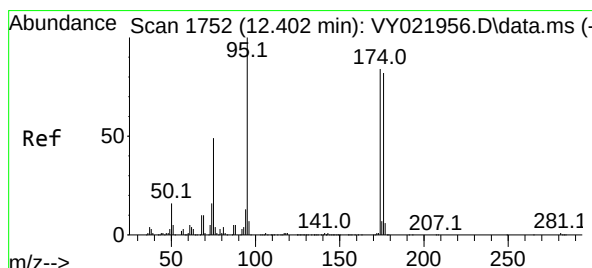
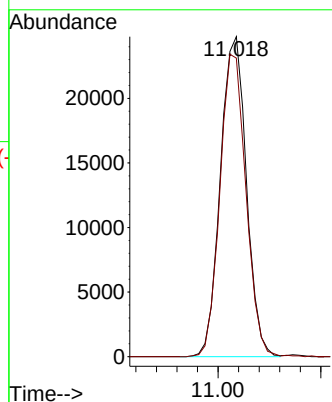
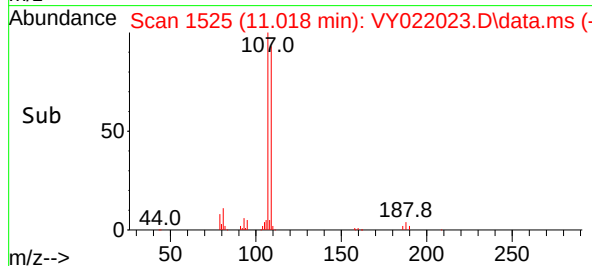
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



Tgt Ion:107 Resp: 43475
Ion Ratio Lower Upper
107 100
109 94.6 75.8 113.8

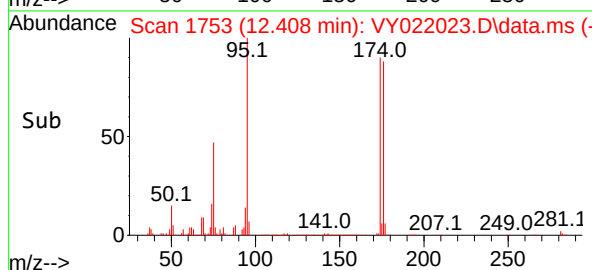
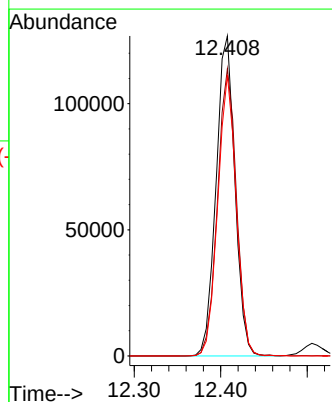
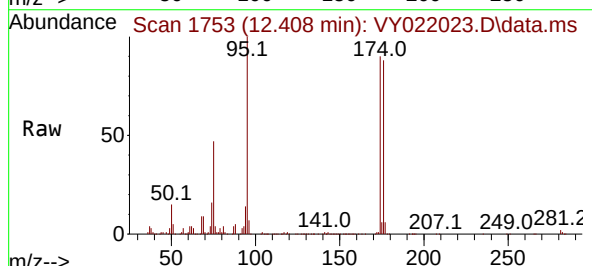
Manual Integrations
APPROVED

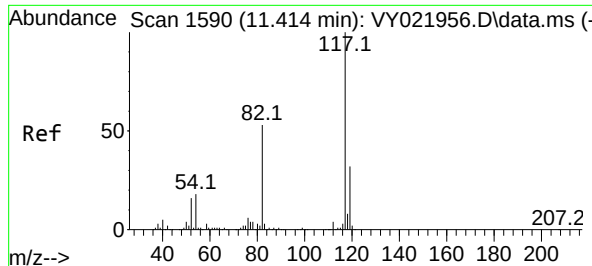
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#62
4-Bromofluorobenzene
Concen: 50.596 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

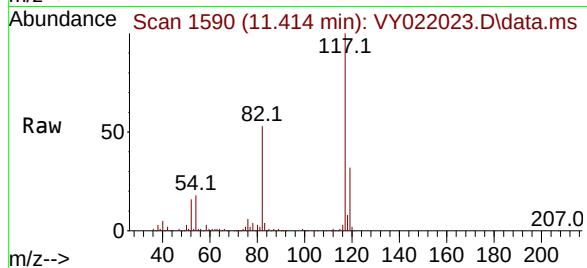
Tgt Ion: 95 Resp: 191595
Ion Ratio Lower Upper
95 100
174 90.2 0.0 179.0
176 86.0 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

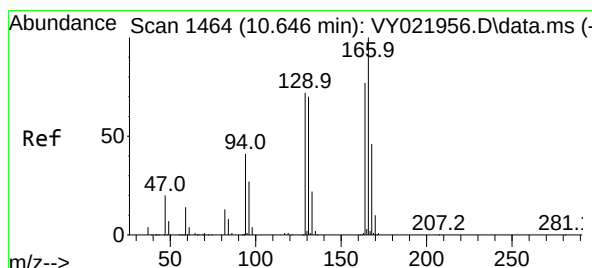
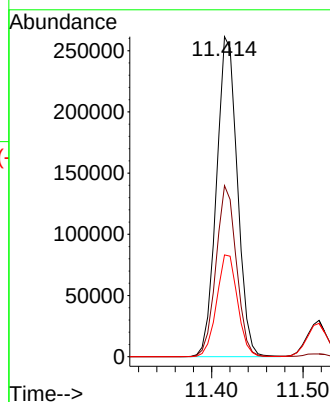
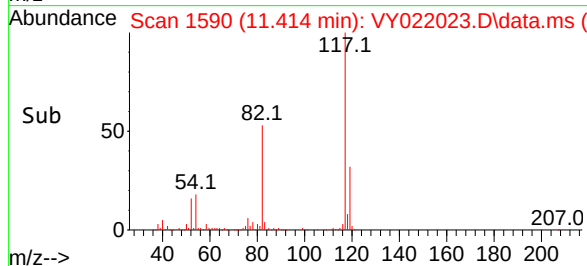
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



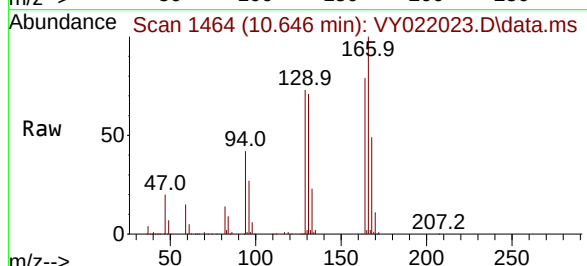
Tgt Ion:117 Resp: 41491
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 31.8 25.7 38.5

Manual Integrations
APPROVED

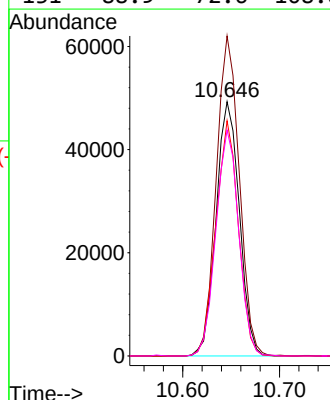
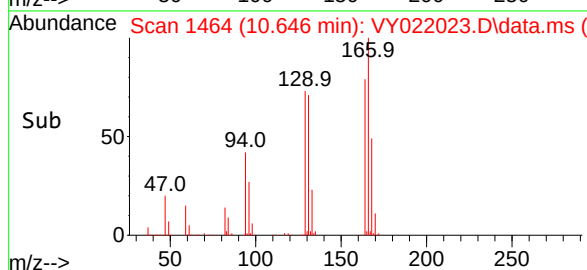
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

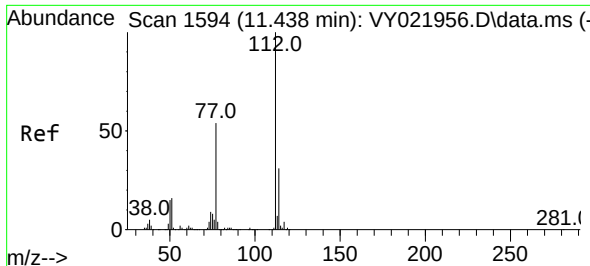


#64
Tetrachloroethene
Concen: 21.059 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



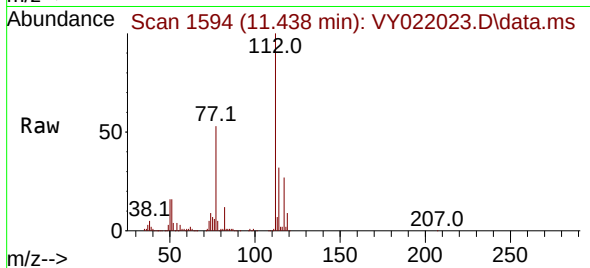
Tgt Ion:164 Resp: 82426
Ion Ratio Lower Upper
164 100
166 125.9 103.6 155.4
129 92.5 74.2 111.4
131 88.9 72.6 108.8





#65
Chlorobenzene
Concen: 20.501 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

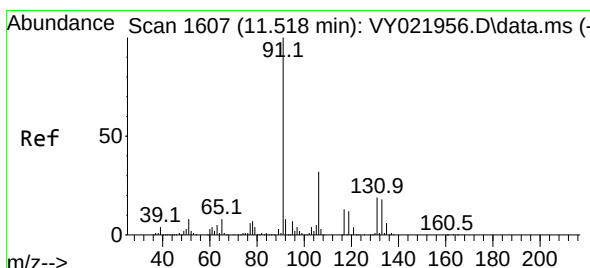
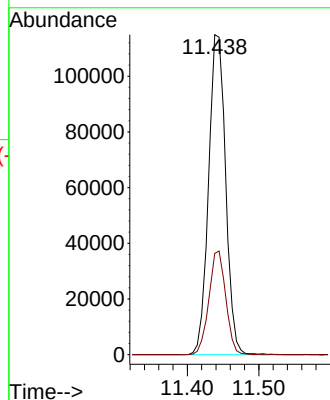
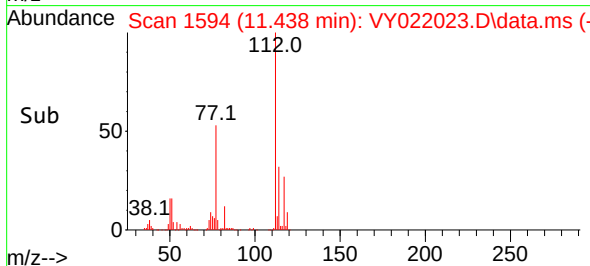
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



Tgt Ion:112 Resp: 19021
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4

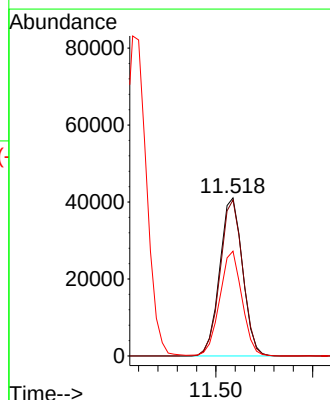
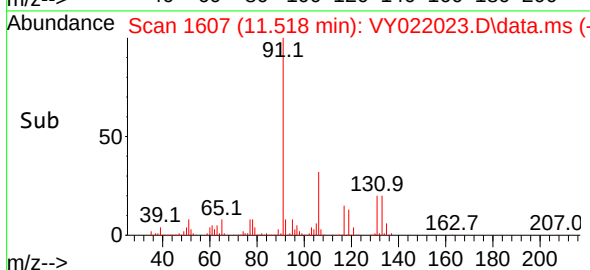
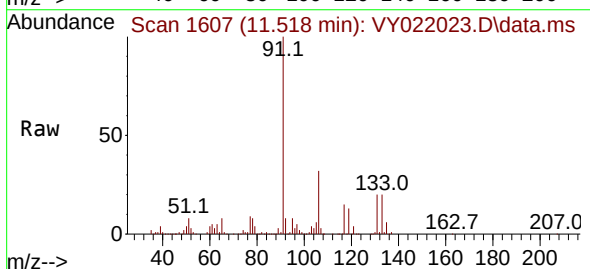
Manual Integrations
APPROVED

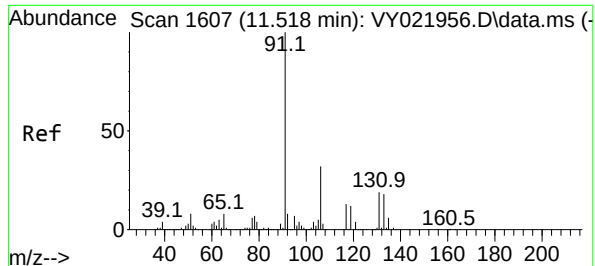
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.626 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Tgt Ion:131 Resp: 67377
Ion Ratio Lower Upper
131 100
133 97.5 47.8 143.3
119 64.8 32.4 97.0





#67

Ethyl Benzene

Concen: 20.037 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 91 Resp: 304120

Ion Ratio Lower Upper

91 100

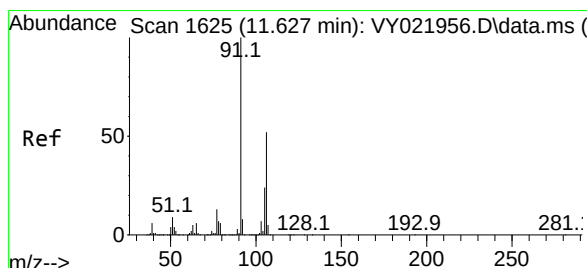
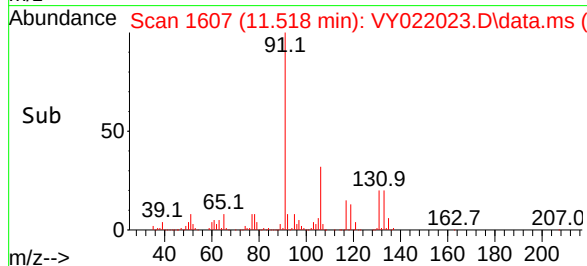
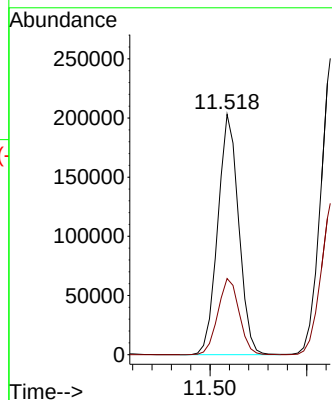
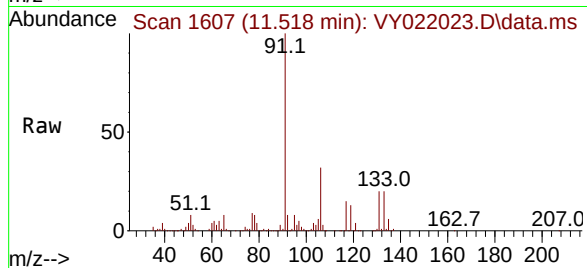
106 31.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#68

m/p-Xylenes

Concen: 41.224 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022023.D

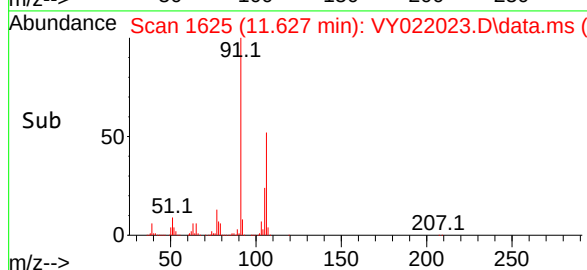
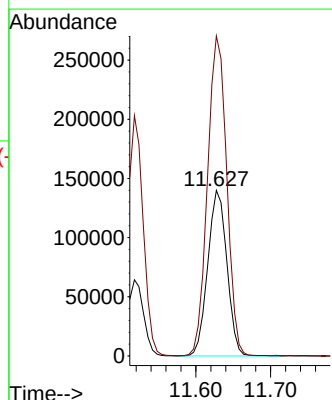
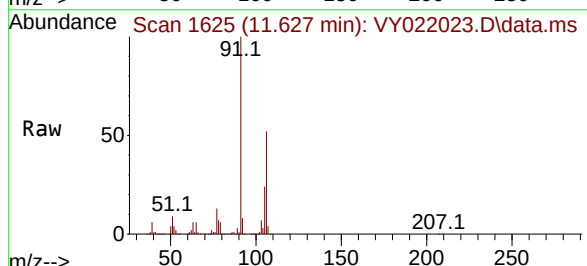
Acq: 28 Apr 2025 11:40

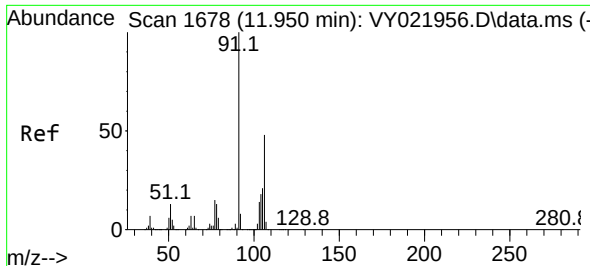
Tgt Ion:106 Resp: 248981

Ion Ratio Lower Upper

106 100

91 194.2 156.2 234.2





#69

o-Xylene

Concen: 20.203 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:106 Resp: 11246

Ion Ratio Lower Upper

106 100

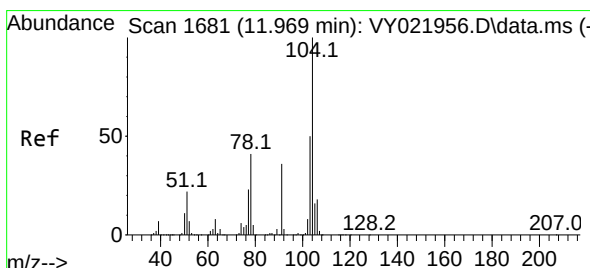
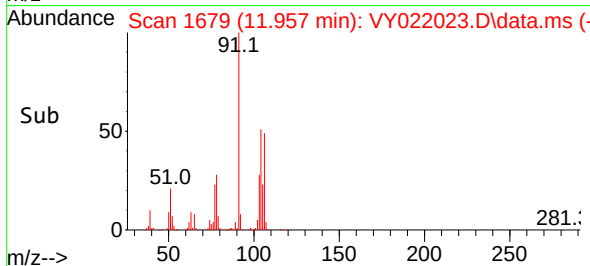
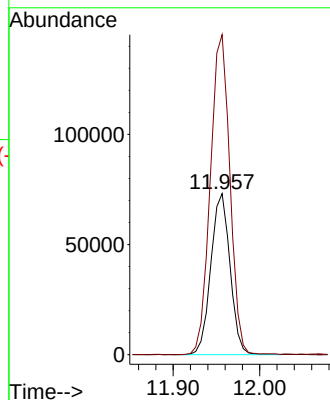
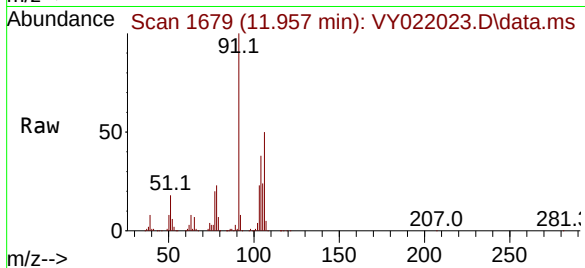
91 203.4 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#70

Styrene

Concen: 20.189 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

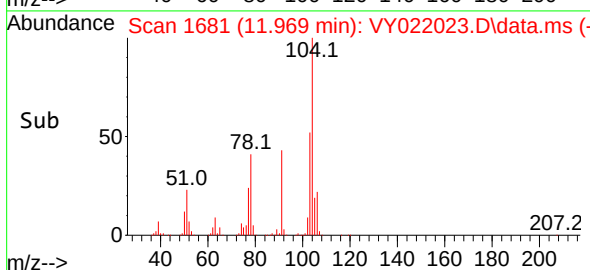
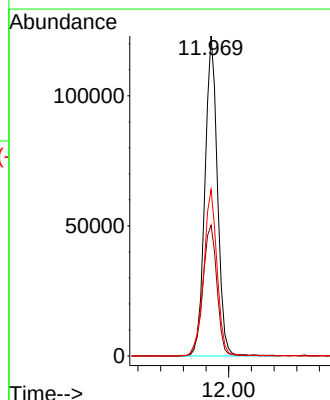
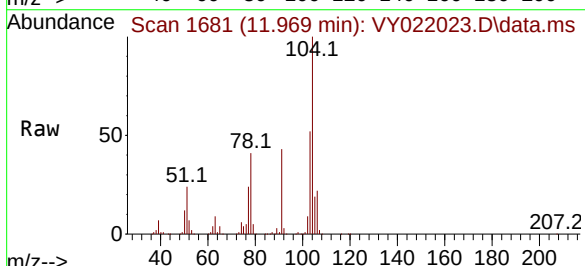
Tgt Ion:104 Resp: 188696

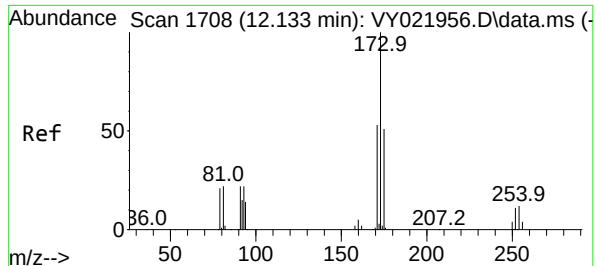
Ion Ratio Lower Upper

104 100

78 45.7 36.6 54.8

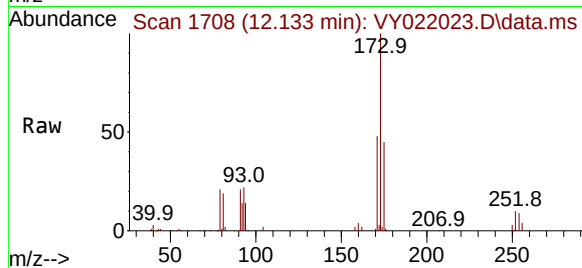
103 55.3 43.8 65.8





#71
Bromoform
Concen: 20.361 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

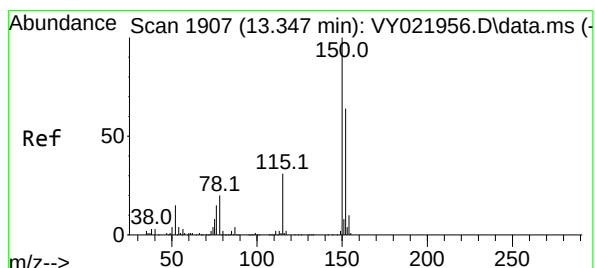
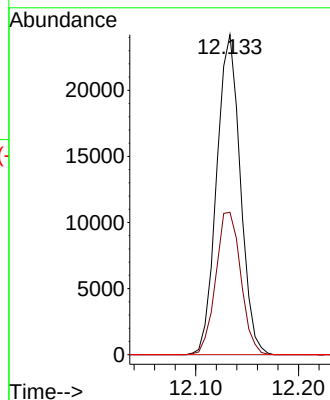
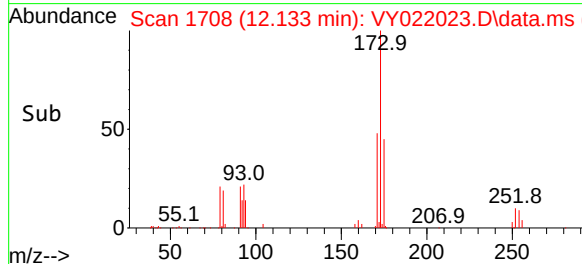
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



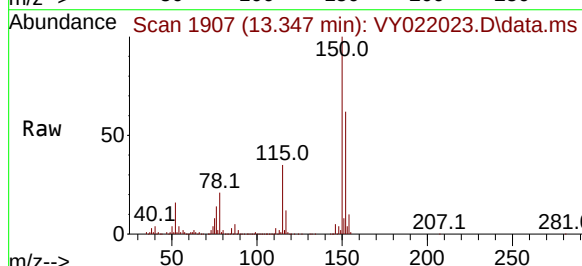
Tgt Ion:173 Resp: 38669
Ion Ratio Lower Upper
173 100
175 47.1 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

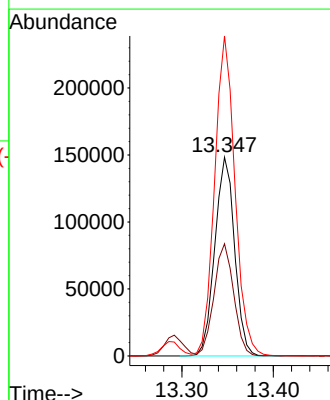
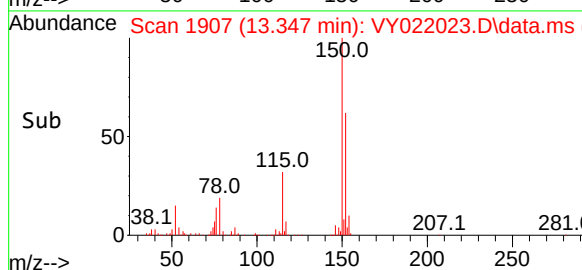
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

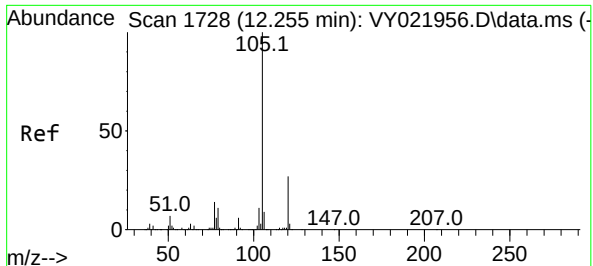


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



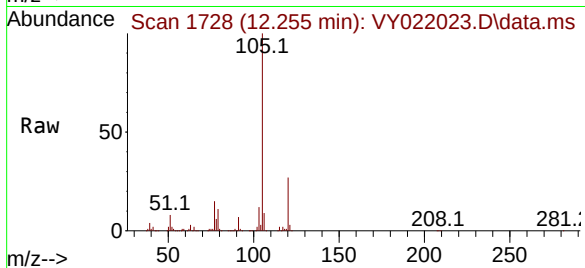
Tgt Ion:152 Resp: 223411
Ion Ratio Lower Upper
152 100
115 56.1 28.0 84.0
150 165.4 0.0 345.6





#73
Isopropylbenzene
Concen: 19.459 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

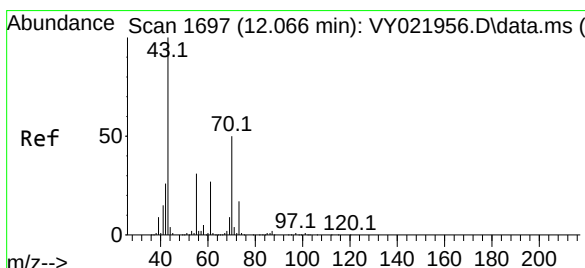
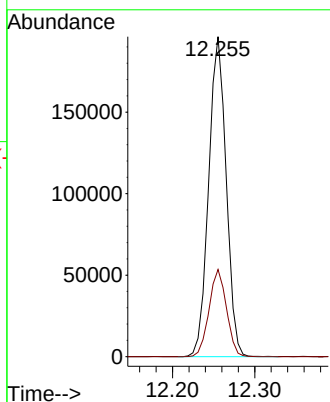
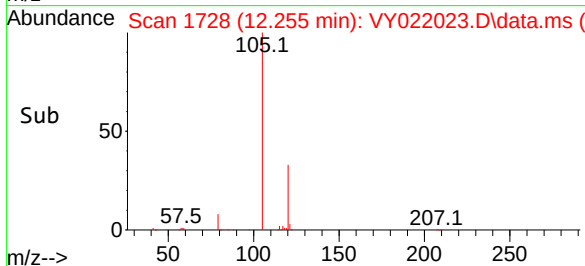
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



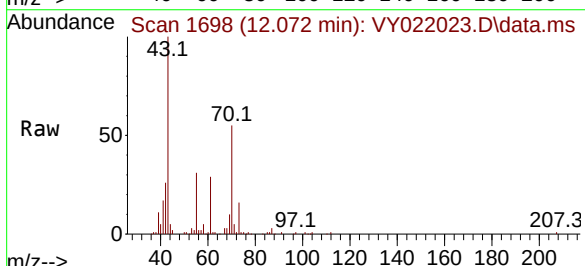
Tgt Ion:105 Resp: 290455
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5

Manual Integrations
APPROVED

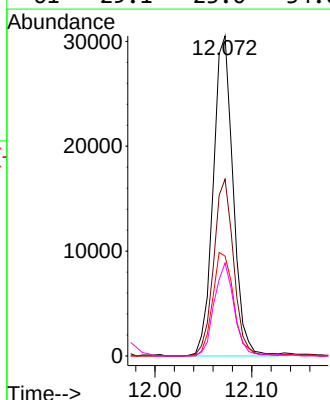
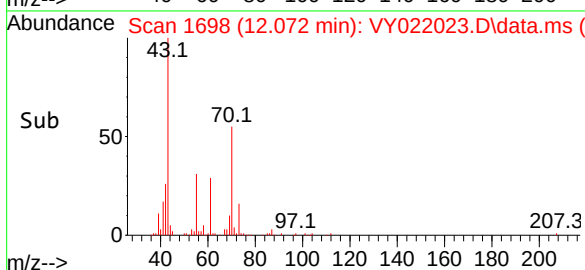
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

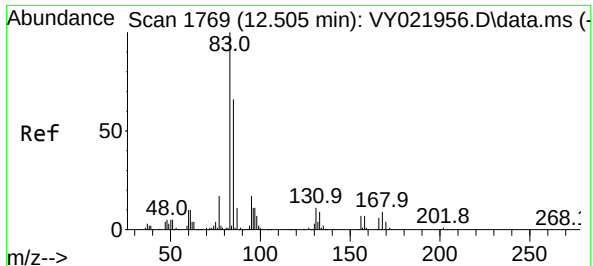


#74
N-ethyl acetate
Concen: 16.983 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



Tgt Ion: 43 Resp: 43553
Ion Ratio Lower Upper
43 100
70 55.2 43.2 64.8
55 34.3 25.7 38.5
61 29.1 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.156 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

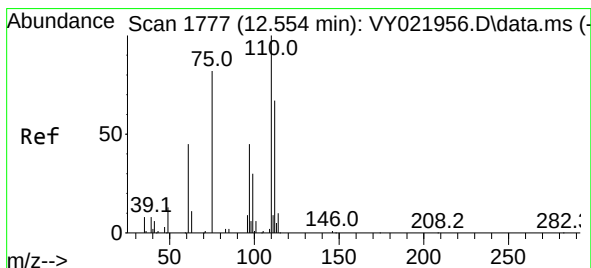
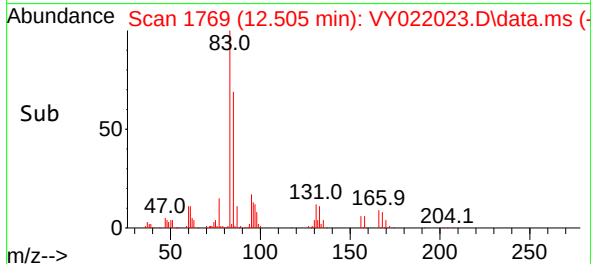
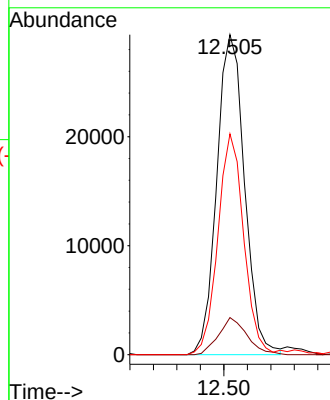
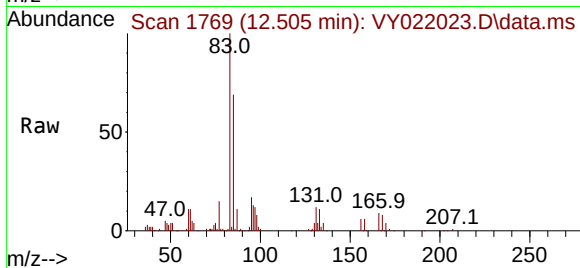
Tgt Ion:	83	Resp:	48200
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.4
85	64.5	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#76

1,2,3-Trichloropropane

Concen: 18.358 ug/l m

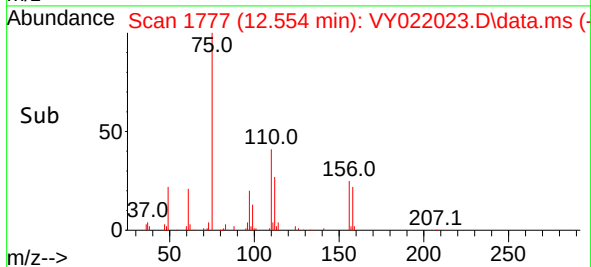
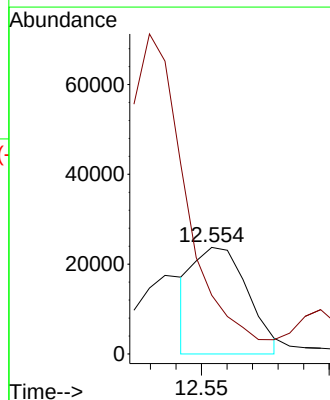
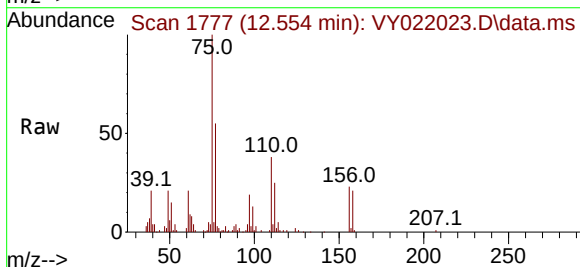
RT: 12.554 min Scan# 1777

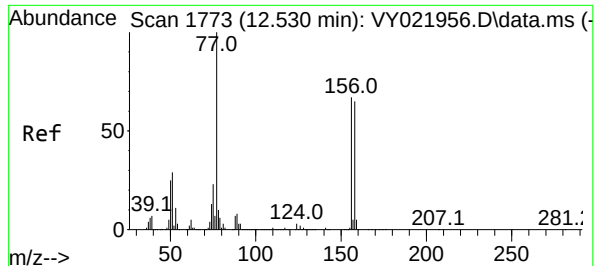
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	75	Resp:	35131
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.078 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

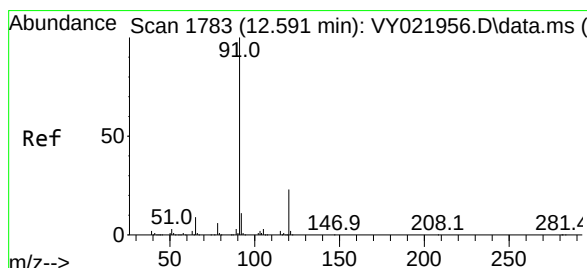
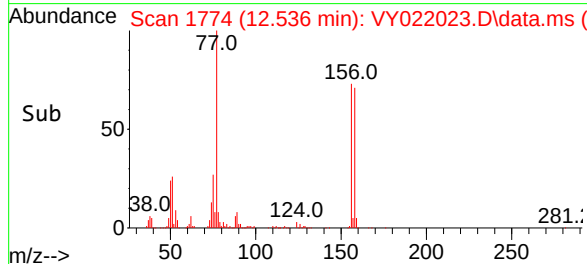
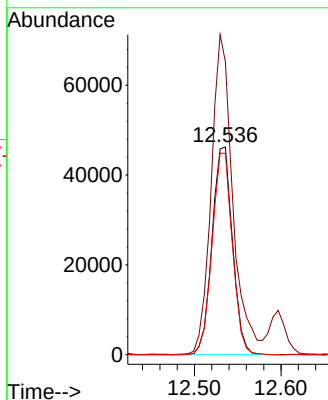
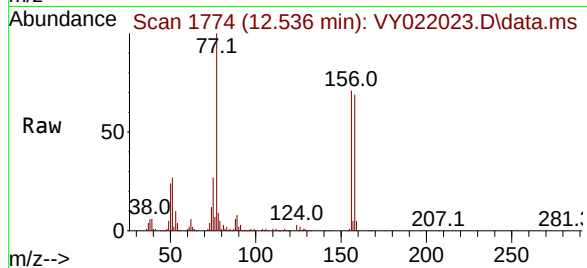
VY0428SBS01

Tgt Ion:	156	Resp:	75728
Ion Ratio	Lower	Upper	
156	100		
77	163.4	82.7	248.1
158	96.4	48.1	144.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025



#78

n-propylbenzene

Concen: 19.960 ug/l

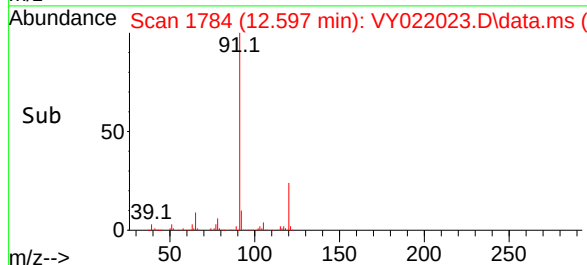
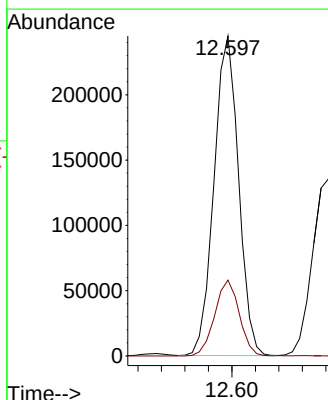
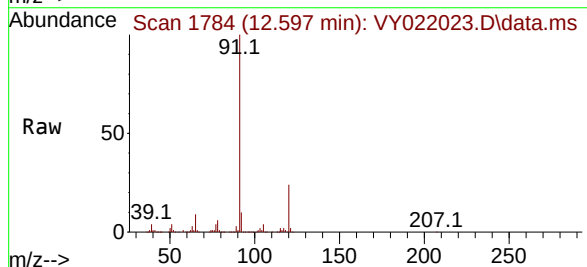
RT: 12.597 min Scan# 1784

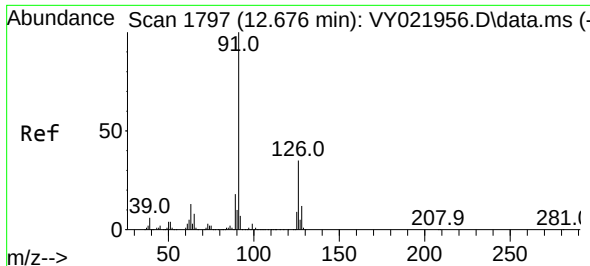
Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	91	Resp:	354794
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.079 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 91 Resp: 20756

Ion Ratio Lower Upper

91 100

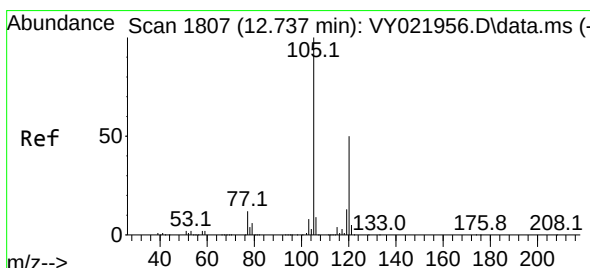
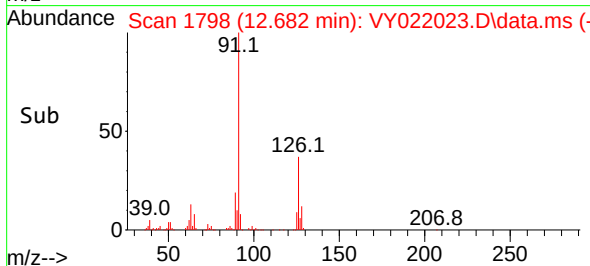
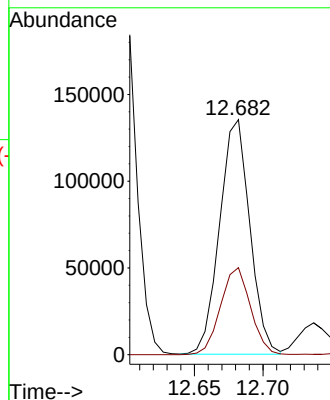
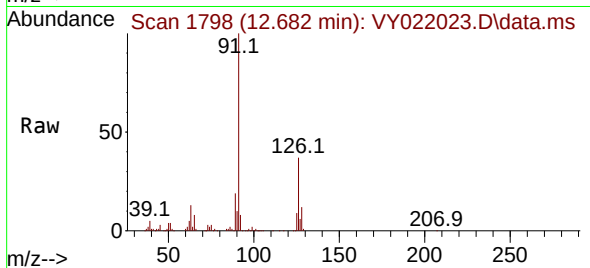
126 36.8 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.969 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022023.D

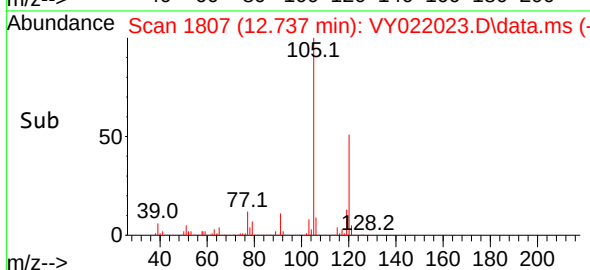
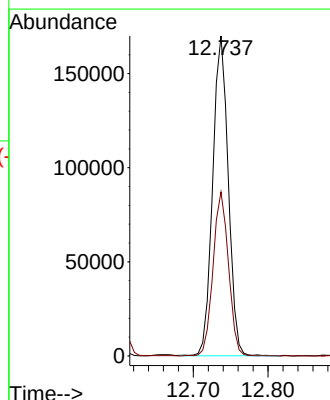
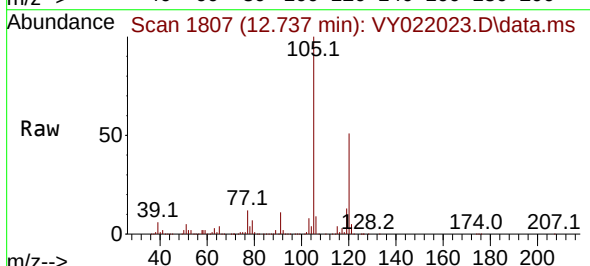
Acq: 28 Apr 2025 11:40

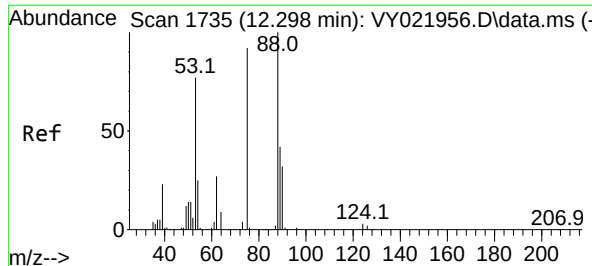
Tgt Ion:105 Resp: 245588

Ion Ratio Lower Upper

105 100

120 51.0 25.0 75.0





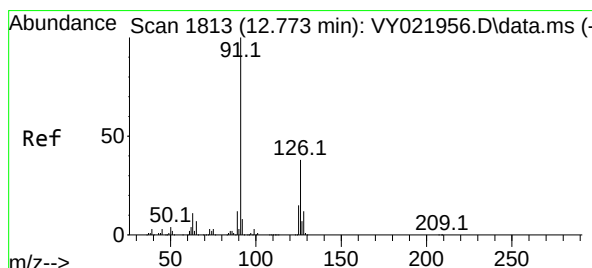
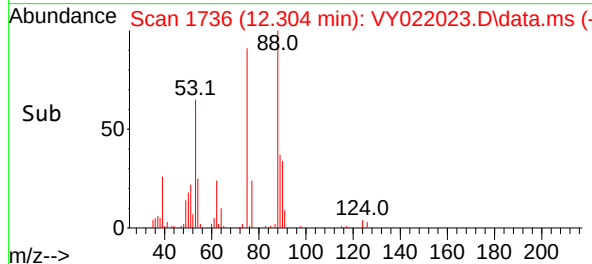
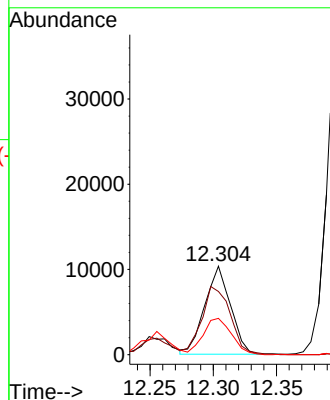
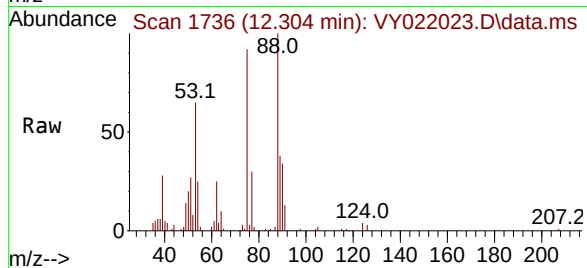
#81
trans-1,4-Dichloro-2-butene
Concen: 18.423 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion: 75 Resp: 14640
Ion Ratio Lower Upper
75 100
53 86.3 66.0 99.0
89 45.2 37.2 55.8

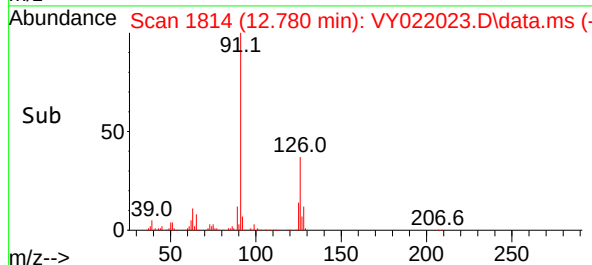
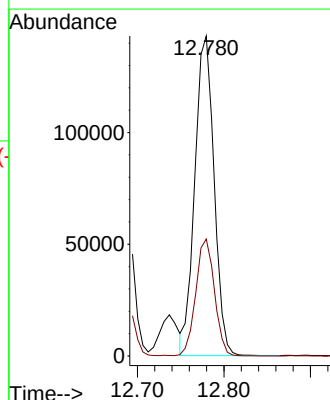
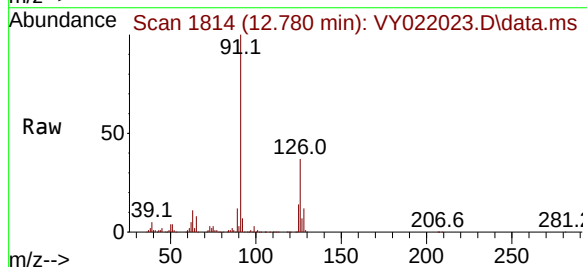
Manual Integrations
APPROVED

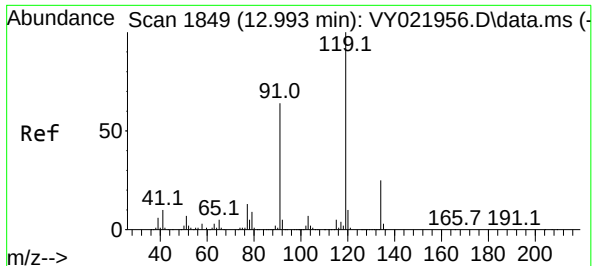
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#82
4-Chlorotoluene
Concen: 20.569 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

Tgt Ion: 91 Resp: 221042
Ion Ratio Lower Upper
91 100
126 35.7 17.9 53.8





#83

tert-Butylbenzene

Concen: 19.506 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

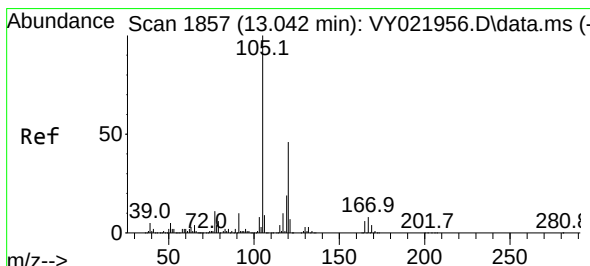
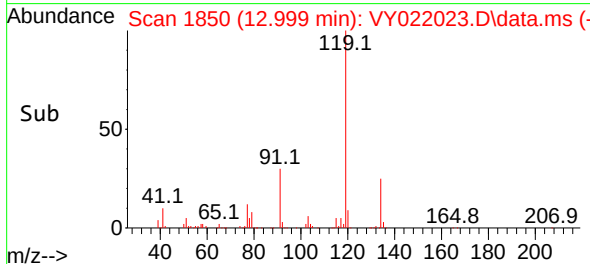
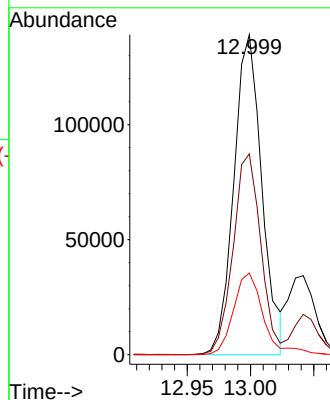
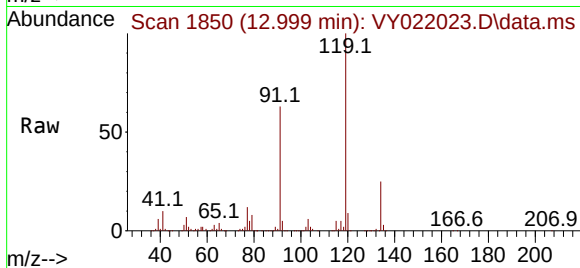
VY0428SBS01

Tgt Ion:	119	Resp:	21515
Ion Ratio	Lower	Upper	
119	100		
91	61.7	30.3	90.9
134	27.1	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.992 ug/l

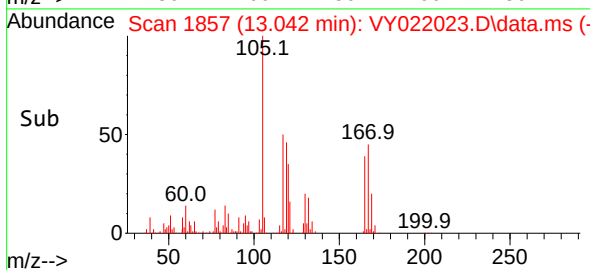
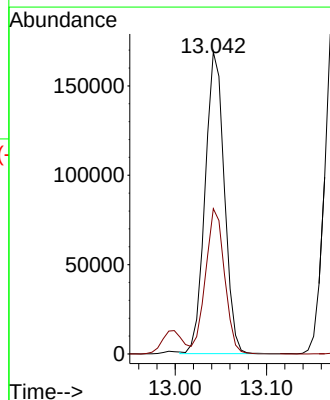
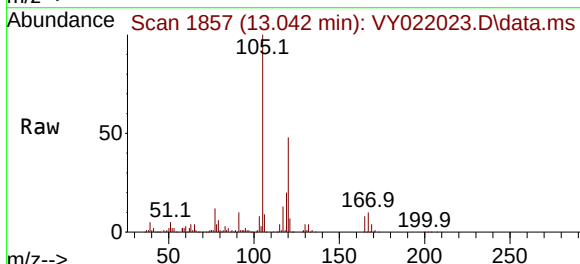
RT: 13.042 min Scan# 1857

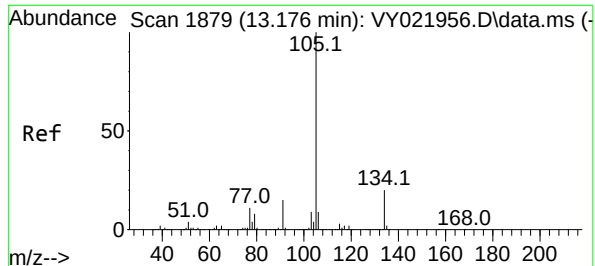
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:	105	Resp:	245925
Ion Ratio	Lower	Upper	
105	100		
120	47.5	23.4	70.0





#85

sec-Butylbenzene

Concen: 19.740 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:105 Resp: 31860

Ion Ratio Lower Upper

105 100

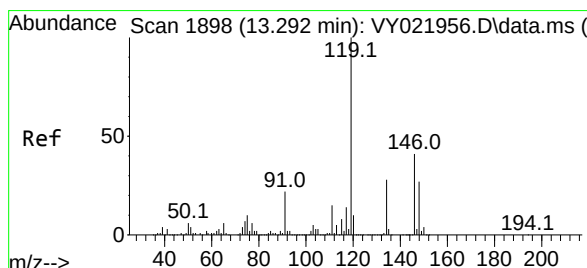
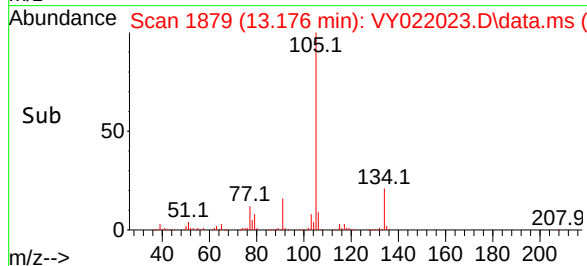
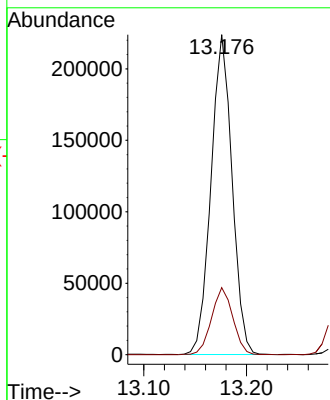
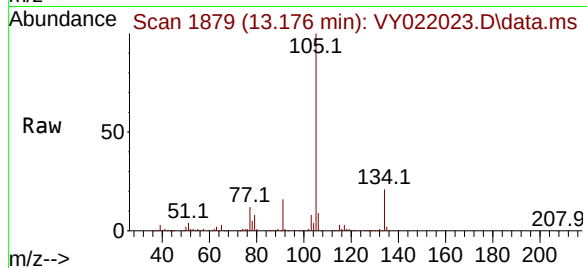
134 21.1 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#86

p-Isopropyltoluene

Concen: 19.757 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

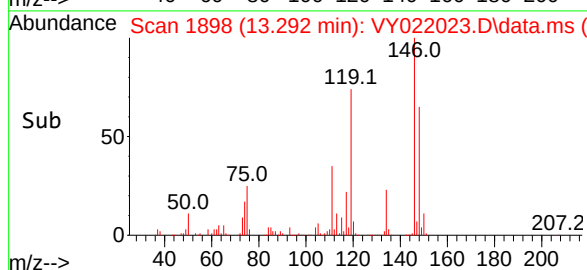
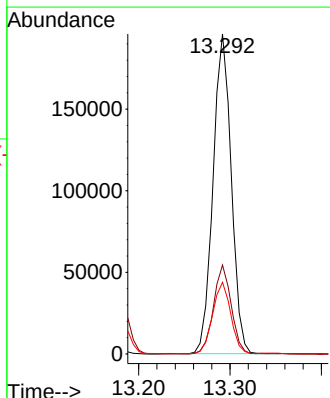
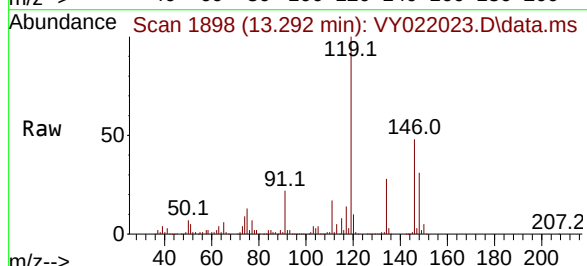
Tgt Ion:119 Resp: 270778

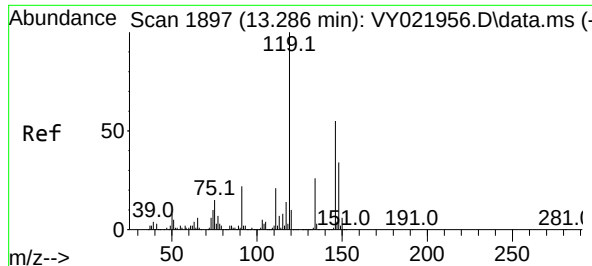
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.3 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.135 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:146 Resp: 154240

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.5

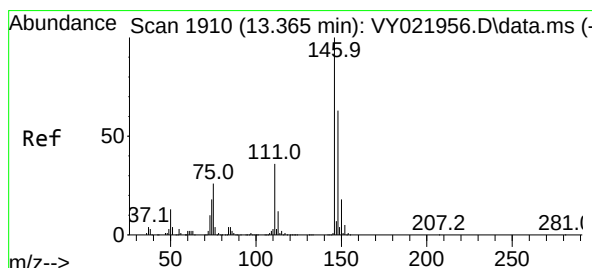
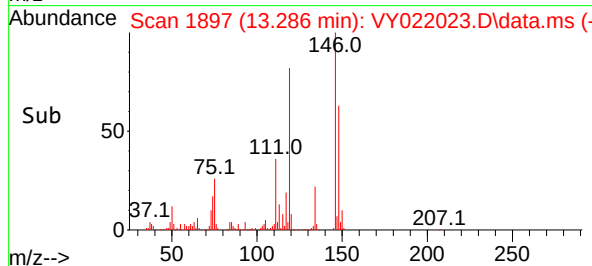
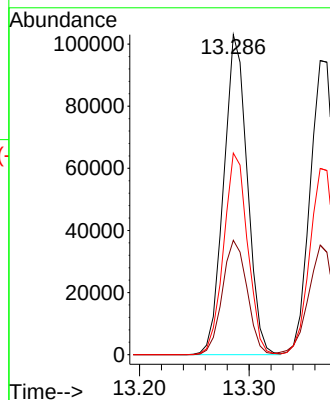
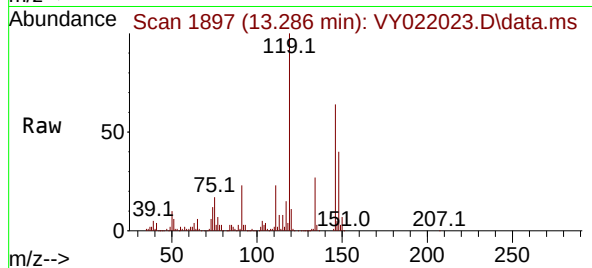
148 64.0 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#88

1,4-Dichlorobenzene

Concen: 20.025 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

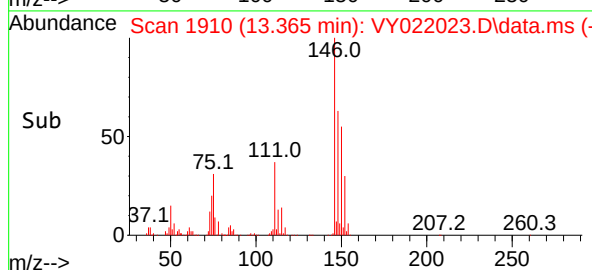
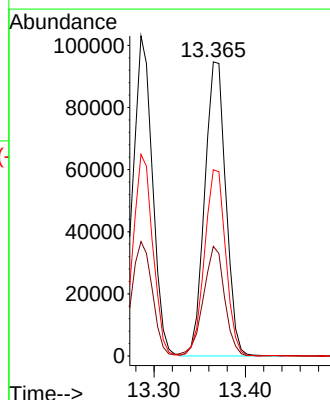
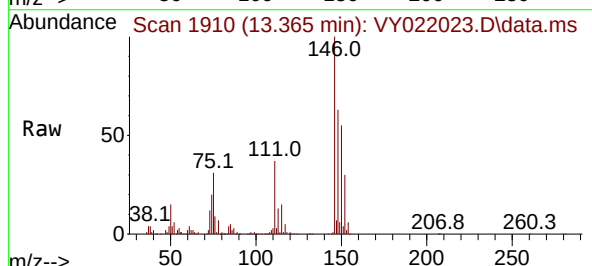
Tgt Ion:146 Resp: 151928

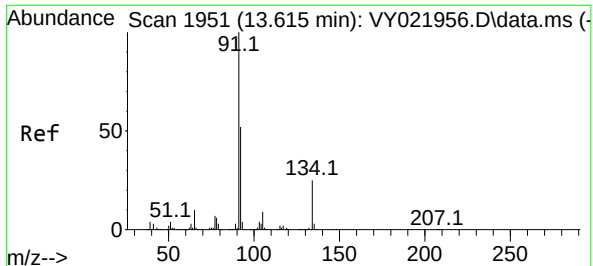
Ion Ratio Lower Upper

146 100

111 37.5 19.2 57.6

148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 18.871 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

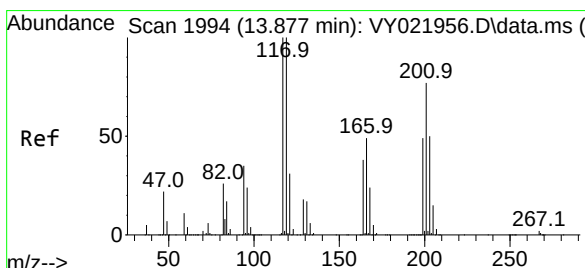
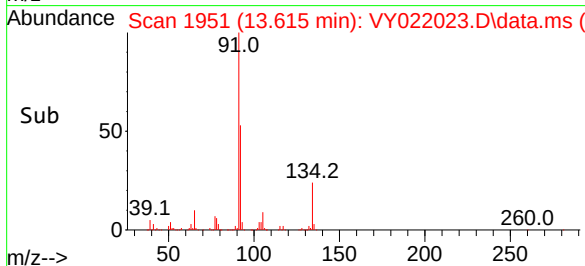
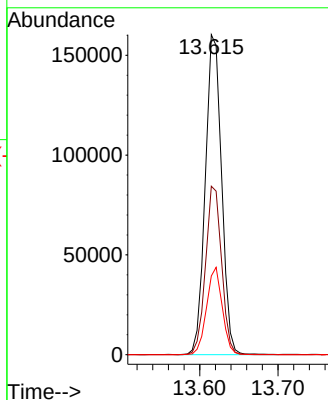
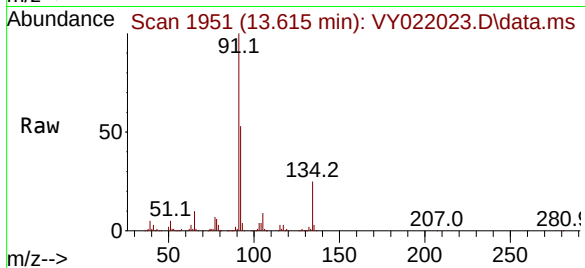
VY0428SBS01

Tgt Ion:	91	Resp:	231179
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.5	79.5
134	26.3	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025



#90

Hexachloroethane

Concen: 19.932 ug/l

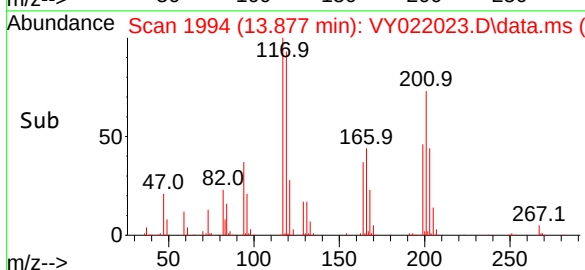
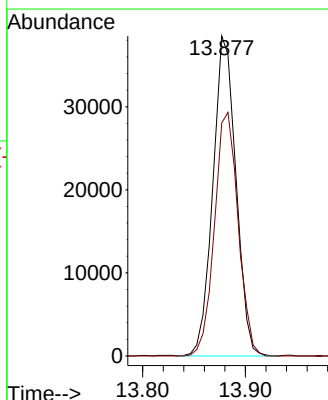
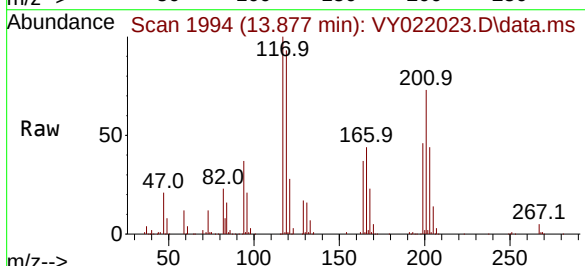
RT: 13.877 min Scan# 1994

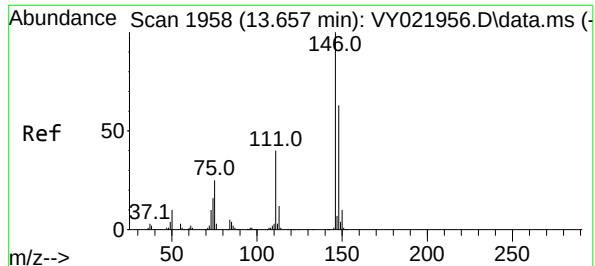
Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

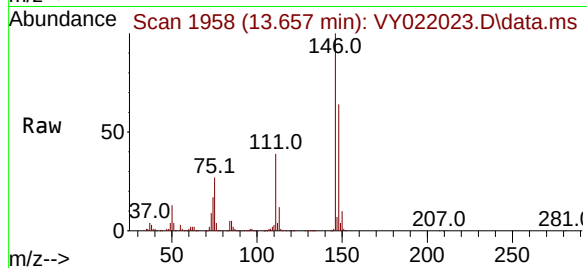
Tgt Ion:	117	Resp:	60020
Ion Ratio	Lower	Upper	
117	100		
201	78.0	38.7	116.1





#91
1,2-Dichlorobenzene
Concen: 19.923 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

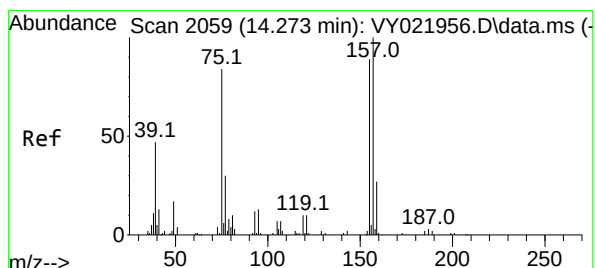
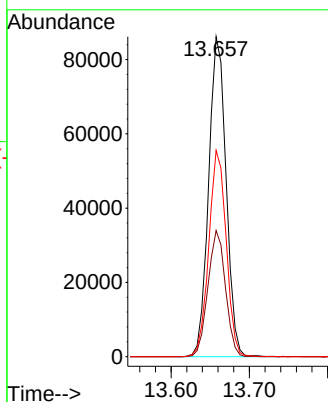
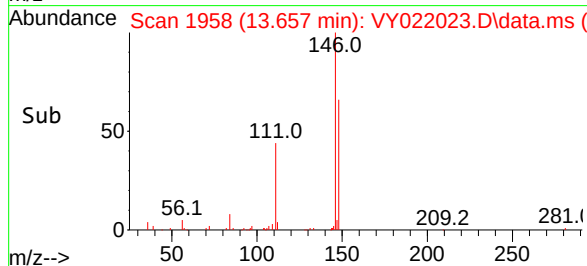
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



Tgt Ion:146 Resp: 13311
Ion Ratio Lower Upper
146 100
111 39.6 19.7 59.1
148 64.3 32.1 96.3

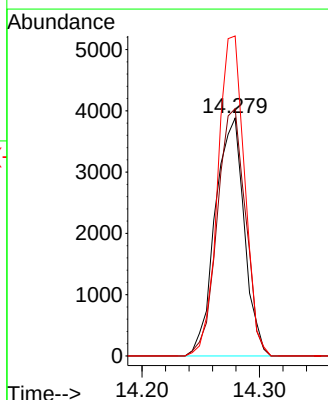
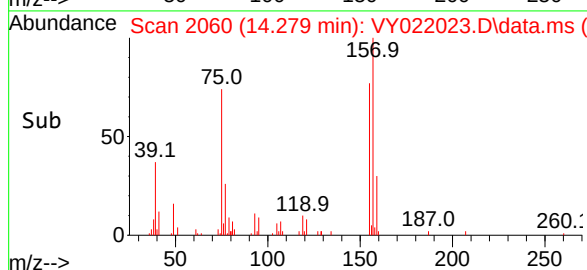
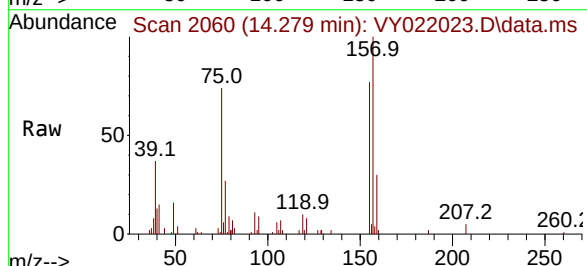
Manual Integrations
APPROVED

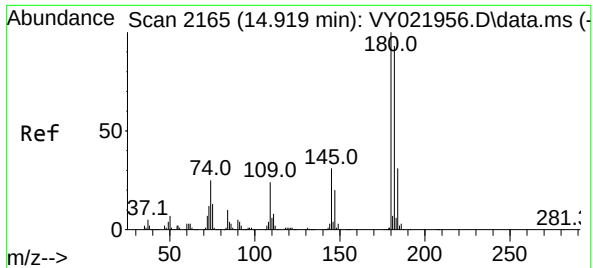
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.675 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

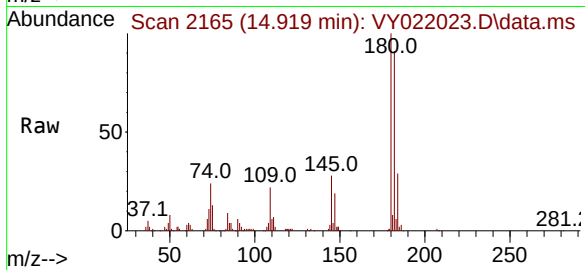
Tgt Ion: 75 Resp: 6676
Ion Ratio Lower Upper
75 100
155 100.9 50.7 152.3
157 123.7 62.6 187.8





#93
1,2,4-Trichlorobenzene
Concen: 18.477 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40

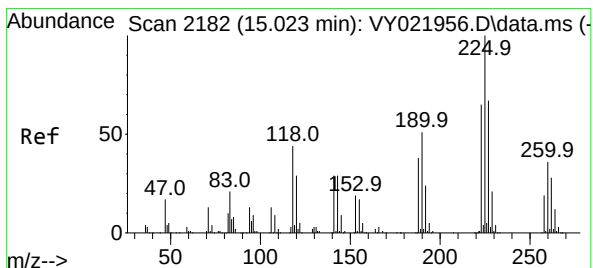
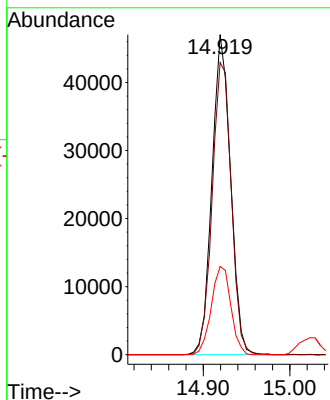
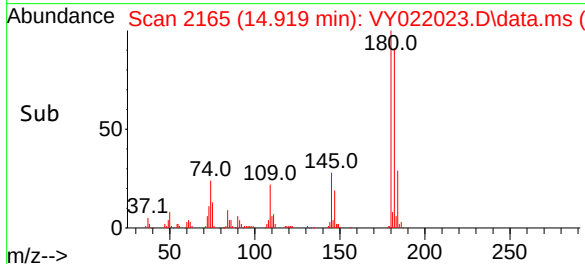
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



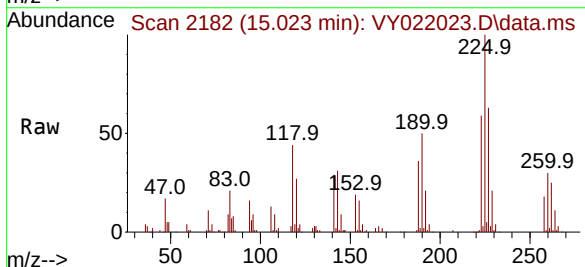
Tgt Ion:180 Resp: 6995
Ion Ratio Lower Upper
180 100
182 94.1 47.1 141.4
145 28.9 15.0 45.0

Manual Integrations
APPROVED

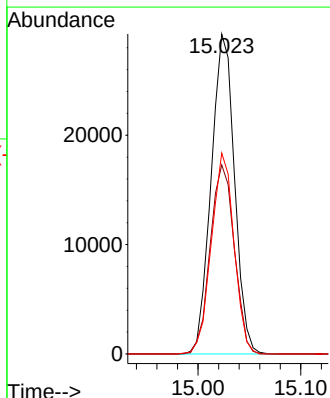
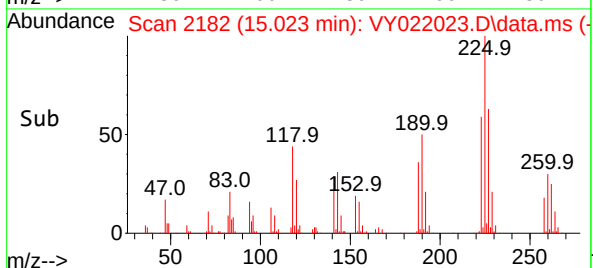
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

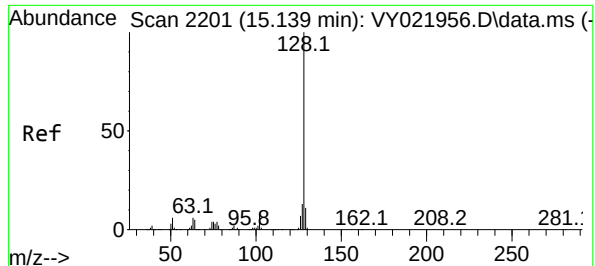


#94
Hexachlorobutadiene
Concen: 19.759 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022023.D
Acq: 28 Apr 2025 11:40



Tgt Ion:225 Resp: 46027
Ion Ratio Lower Upper
225 100
223 61.2 31.9 95.5
227 61.1 32.3 96.9





#95

Naphthalene

Concen: 16.331 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

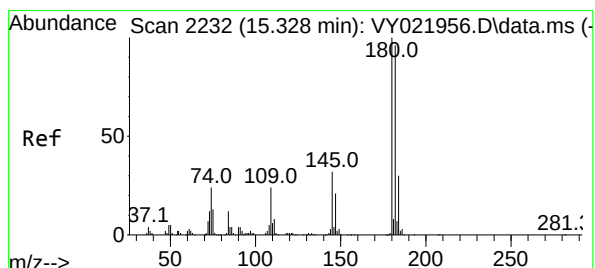
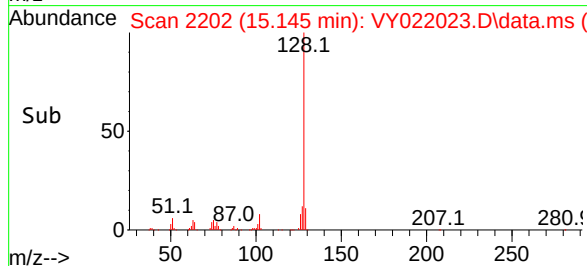
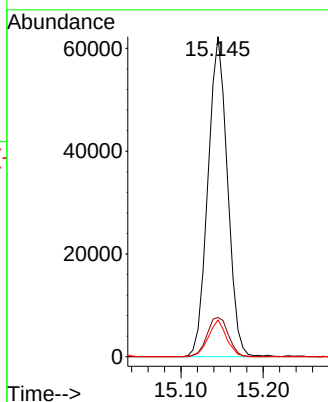
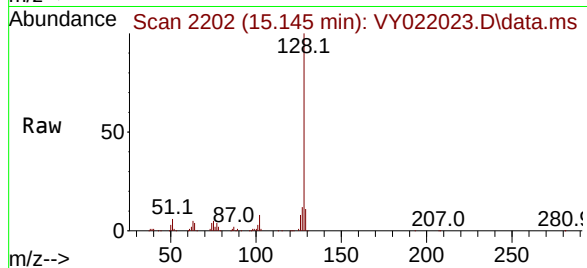
VY0428SBS01

Tgt Ion:128	Resp: 102709
Ion Ratio	Lower Upper
128 100	
127 13.4	10.6 16.0
129 10.7	8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.375 ug/l

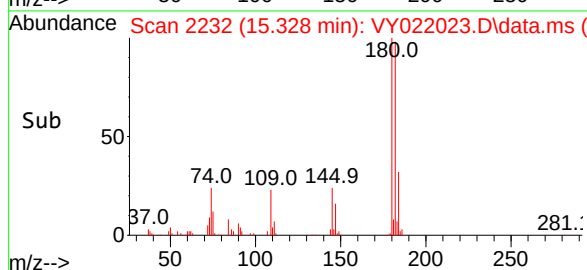
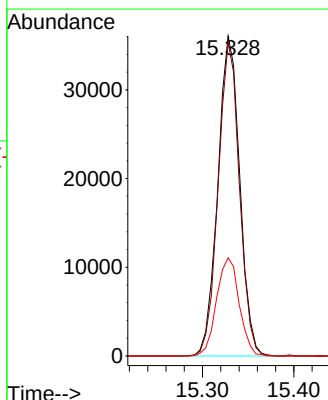
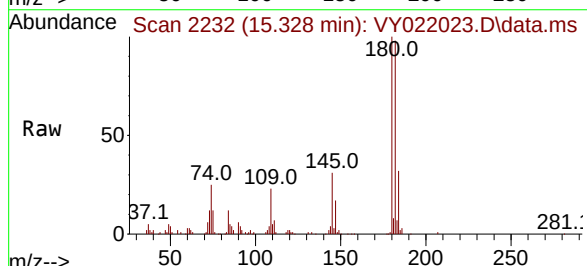
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022023.D

Acq: 28 Apr 2025 11:40

Tgt Ion:180	Resp: 60052
Ion Ratio	Lower Upper
180 100	
182 95.1	48.1 144.4
145 31.7	16.0 48.0



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0429SBS01		SDG No.:	Q1872
Lab Sample ID:	VY0429SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
141-78-6	Ethyl Acetate	18.3		1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	18.2		0.91	5.00	ug/Kg
74-83-9	Bromomethane	19.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.9		1.30	5.00	ug/Kg
109-99-9	Tetrahydrofuran	88.8		4.70	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	88.5		13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	18.8		0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		1.00	5.00	ug/Kg
107-02-8	Acrolein	88.6		8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	92.4		5.00	25.0	ug/Kg
67-64-1	Acetone	87.0		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	18.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.86	5.00	ug/Kg
108-05-4	Vinyl Acetate	91.2		4.90	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	19.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	88.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	19.8		1.30	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.0		0.84	5.00	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY0429SBS01			SDG No.:	Q1872
Lab Sample ID:	VY0429SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
71-55-6	1,1,1-Trichloroethane	19.9		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.2		0.91	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	19.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
74-95-3	Dibromomethane	19.6		0.89	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	91.1		3.60	25.0	ug/Kg
80-62-6	Methyl methacrylate	17.5		0.74	5.00	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.0		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	20.1		0.92	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	19.9		0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	91.2		3.80	25.0	ug/Kg
591-78-6	2-Hexanone	87.0		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.1		0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	19.5		1.10	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
1330-20-7	Total Xylenes	59.4		2.02	15.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY0429SBS01			SDG No.:	Q1872
Lab Sample ID:	VY0429SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	18.9		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	19.7		1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	19.6		0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	19.6		0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.5		0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	19.9		1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	18.9		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	19.6		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.6		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.4		0.62	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	18.2		1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.5		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.3		3.00	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	18.7		1.90	5.00	ug/Kg
91-20-3	Naphthalene	16.0		2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.3		3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	16.7		0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	18.5		0.91	5.00	ug/Kg
107-05-1	Allyl chloride	19.0		0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	18.6		1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	18.6		1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	19.7		0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	360		48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY0429SBS01			SDG No.:	Q1872
Lab Sample ID:	VY0429SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	49.6		38 - 136	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	411000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.347			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022048.D
 Acq On : 29 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Quant Time: Apr 30 01:32:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	411306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131819	48.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.700%		
35) Dibromofluoromethane	7.634	113	150994	50.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.340%		
50) Toluene-d8	10.103	98	577886	50.927	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.860%		
62) 4-Bromofluorobenzene	12.408	95	189577	49.628	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48376	19.235	ug/l	98
3) Chloromethane	2.068	50	72643	20.285	ug/l	99
4) Vinyl Chloride	2.202	62	83728	19.026	ug/l	98
5) Bromomethane	2.592	94	73982	19.513	ug/l	93
6) Chloroethane	2.733	64	56577	18.877	ug/l	94
7) Trichlorofluoromethane	3.056	101	112658	19.414	ug/l	99
8) Diethyl Ether	3.452	74	28383	18.792	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	61809	19.635	ug/l	98
10) Methyl Iodide	4.001	142	67410	18.495	ug/l	99
11) Tert butyl alcohol	4.879	59	13239	88.452	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58076	19.793	ug/l	97
13) Acrolein	3.659	56	23798	88.588	ug/l	98
14) Allyl chloride	4.385	41	64847	18.980	ug/l	99
15) Acrylonitrile	5.061	53	51099	92.413	ug/l	98
16) Acetone	3.873	43	36017	87.002	ug/l	92
17) Carbon Disulfide	4.104	76	183149	19.576	ug/l	100
18) Methyl Acetate	4.385	43	26368	20.705	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	120380	18.330	ug/l	95
20) Methylene Chloride	4.610	84	64582	18.734	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64140	19.519	ug/l	97
22) Diisopropyl ether	6.019	45	149424	19.653	ug/l	97
23) Vinyl Acetate	5.958	43	373500	91.151	ug/l	99
24) 1,1-Dichloroethane	5.915	63	101522	19.263	ug/l	98
25) 2-Butanone	6.897	43	54911	88.358	ug/l	97
26) 2,2-Dichloropropane	6.884	77	91600	19.830	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	72039	19.606	ug/l	98
28) Bromochloromethane	7.244	49	39029	19.066	ug/l	98
29) Tetrahydrofuran	7.262	42	35848	88.815	ug/l	99
30) Chloroform	7.421	83	117036	20.020	ug/l	97
31) Cyclohexane	7.701	56	84220	18.687	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	105143	19.880	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79075	19.558	ug/l	99
37) Ethyl Acetate	6.982	43	26628	18.338	ug/l	98
38) Carbon Tetrachloride	7.817	117	98218	20.330	ug/l	99
39) Methylcyclohexane	9.110	83	92537	18.187	ug/l	94
40) Benzene	8.079	78	254772	20.158	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022048.D
 Acq On : 29 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	14741m	18.571	ug/l	
42) 1,2-Dichloroethane	8.158	62	62360	19.929	ug/l	99
43) Isopropyl Acetate	8.195	43	50732	18.193	ug/l	98
44) Trichloroethene	8.866	130	71028	20.290	ug/l	95
45) 1,2-Dichloropropane	9.140	63	56441	20.194	ug/l	98
46) Dibromomethane	9.231	93	34280	19.593	ug/l	98
47) Bromodichloromethane	9.420	83	87710	20.067	ug/l	100
48) Methyl methacrylate	9.219	41	22602	17.533	ug/l	93
49) 1,4-Dioxane	9.225	88	6627	355.374	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	133241	91.148	ug/l	100
52) Toluene	10.170	92	164777	20.141	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	71271	19.011	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	85968	19.290	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	47069	20.140	ug/l	98
56) Ethyl methacrylate	10.439	69	47072	17.613	ug/l	97
57) 1,3-Dichloropropane	10.719	76	74505	19.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	119153	91.185	ug/l	98
59) 2-Hexanone	10.762	43	83877	86.992	ug/l	98
60) Dibromochloromethane	10.908	129	64371	19.894	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43629	19.774	ug/l	100
64) Tetrachloroethene	10.646	164	81253	20.941	ug/l	98
65) Chlorobenzene	11.444	112	182043	19.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	64950	20.058	ug/l	98
67) Ethyl Benzene	11.518	91	292538	19.443	ug/l	99
68) m/p-Xylenes	11.627	106	240556	40.178	ug/l	100
69) o-Xylene	11.957	106	105800	19.172	ug/l	99
70) Styrene	11.969	104	183180	19.770	ug/l	100
71) Bromoform	12.133	173	36552	19.415	ug/l #	100
73) Isopropylbenzene	12.255	105	281901	19.126	ug/l	99
74) N-amyl acetate	12.072	43	42199	16.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	47578	19.146	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35659m	18.871	ug/l	
77) Bromobenzene	12.530	156	73239	19.665	ug/l	99
78) n-propylbenzene	12.597	91	344311	19.616	ug/l	100
79) 2-Chlorotoluene	12.682	91	200069	19.600	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	237244	19.536	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14562	18.558	ug/l	97
82) 4-Chlorotoluene	12.780	91	210828	19.868	ug/l	98
83) tert-Butylbenzene	12.999	119	206168	18.929	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	238254	19.614	ug/l	99
85) sec-Butylbenzene	13.176	105	311925	19.572	ug/l	100
86) p-Isopropyltoluene	13.292	119	262713	19.412	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	148080	19.576	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	145893	19.474	ug/l	99
89) n-Butylbenzene	13.621	91	220728	18.247	ug/l	99
90) Hexachloroethane	13.877	117	58056	19.525	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	128956	19.546	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6879	17.400	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	68247	18.255	ug/l	99
94) Hexachlorobutadiene	15.023	225	43083	18.730	ug/l	99
95) Naphthalene	15.145	128	99146	15.964	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	59189	18.341	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

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

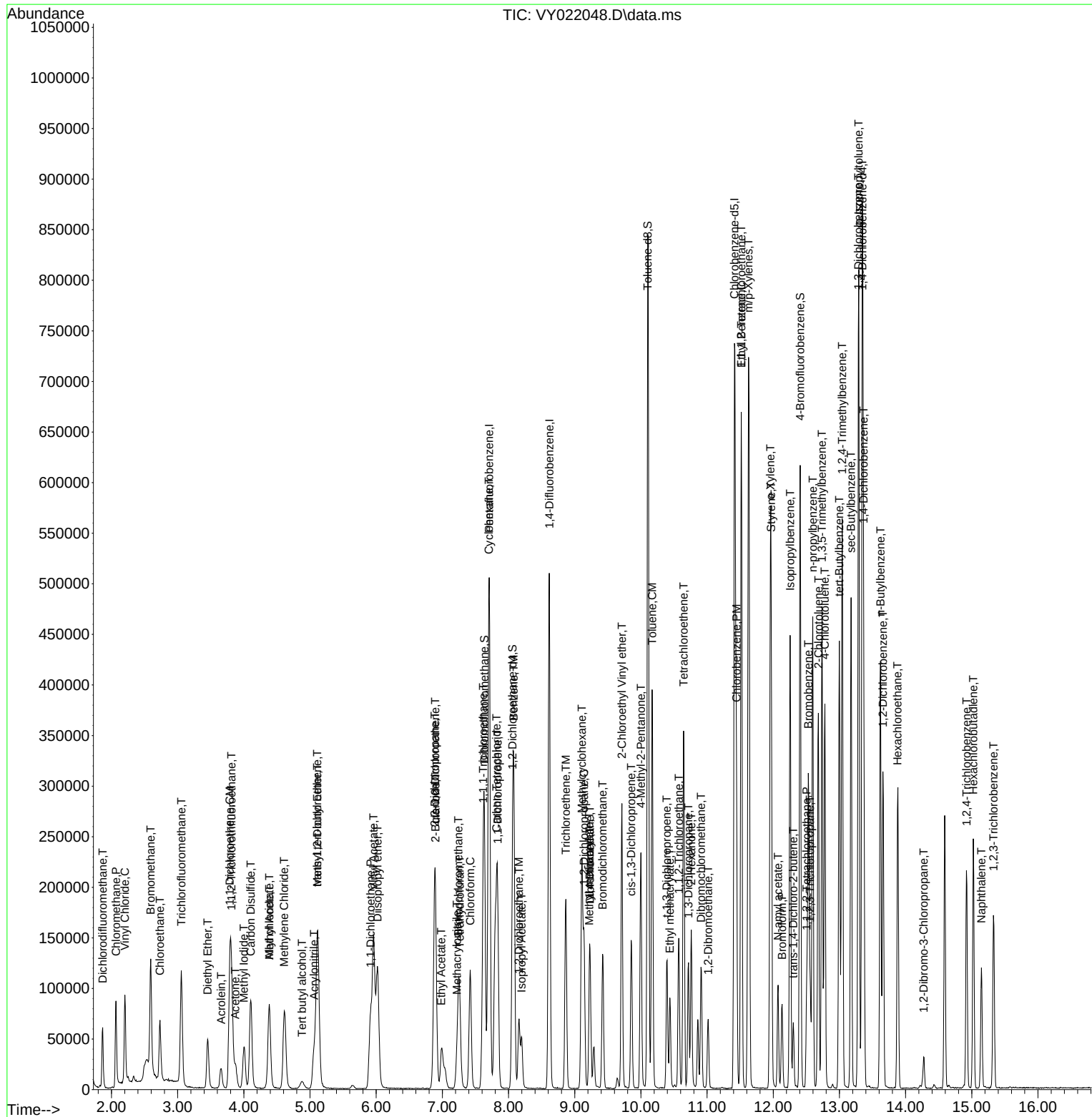
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 Data File : VY022048.D
 Acq On : 29 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

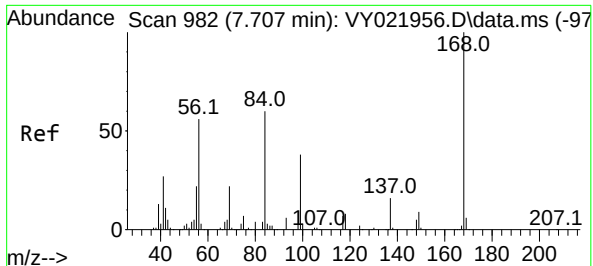
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Quant Time: Apr 30 01:32:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

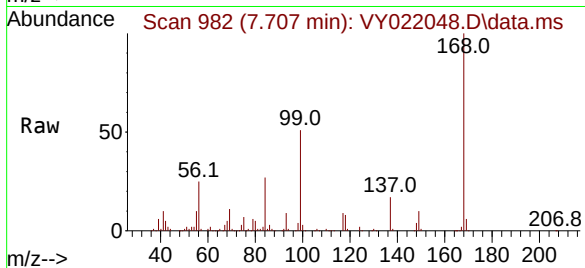
Reviewed By : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

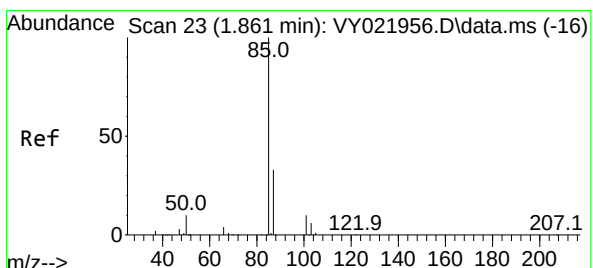
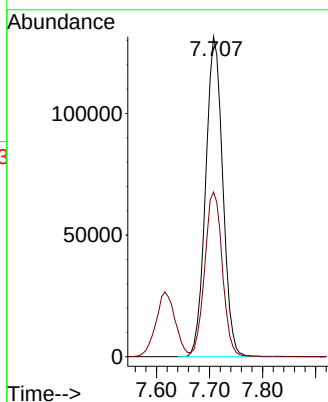
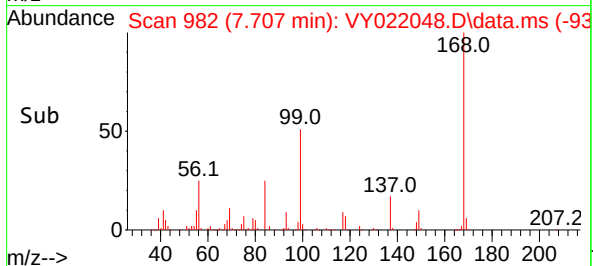
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion: 168 Resp: 295160
Ion Ratio Lower Upper
168 100
99 51.3 43.1 64.7

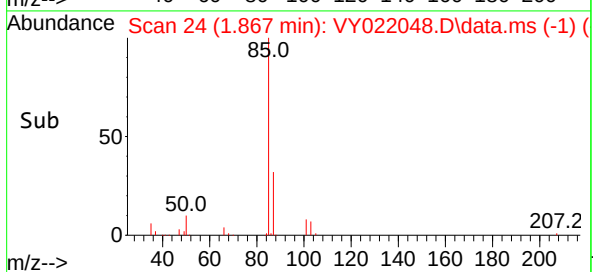
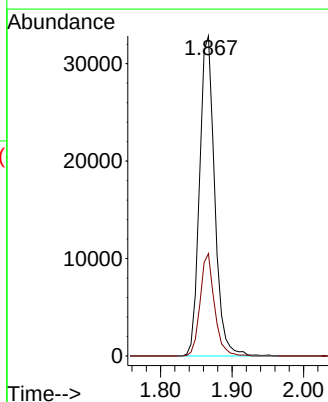
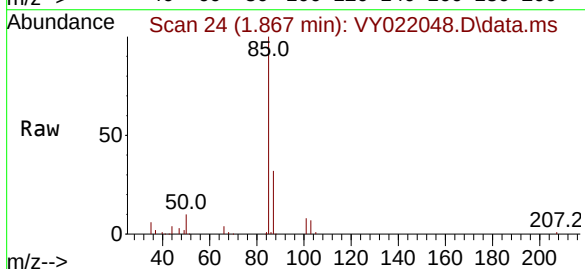
Manual Integrations
APPROVED

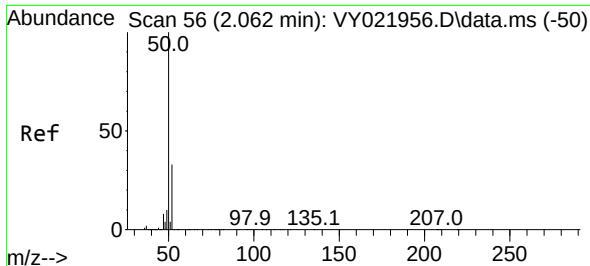
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 19.235 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 85 Resp: 48376
Ion Ratio Lower Upper
85 100
87 32.0 16.6 49.7





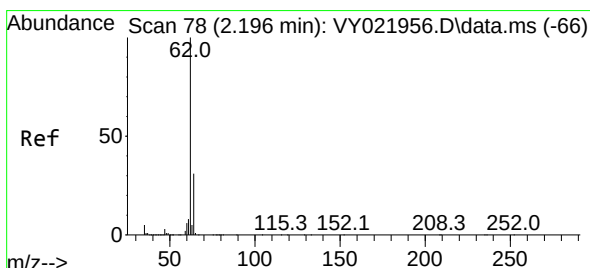
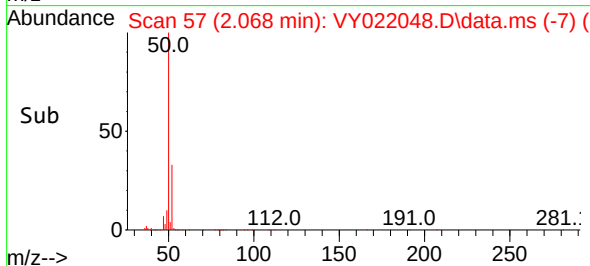
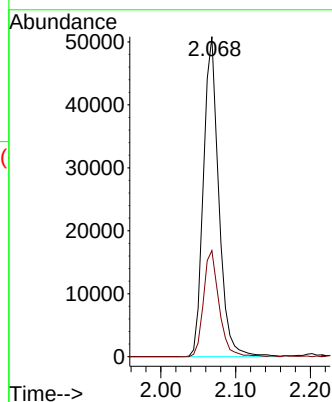
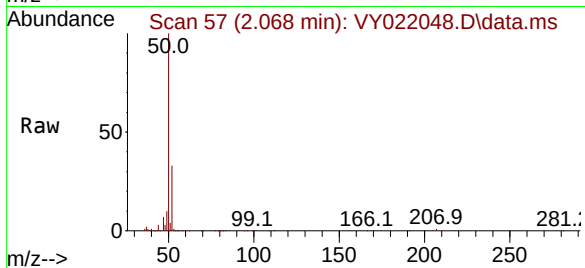
#3
Chloromethane
Concen: 20.285 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 50 Resp: 7264
Ion Ratio Lower Upper
50 100
52 33.2 26.1 39.1

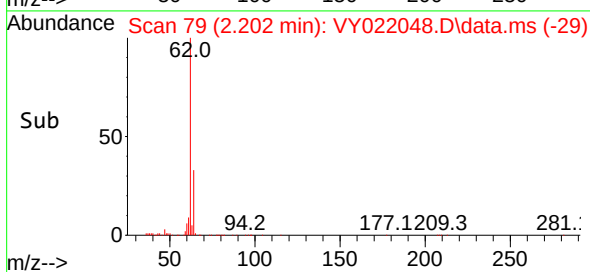
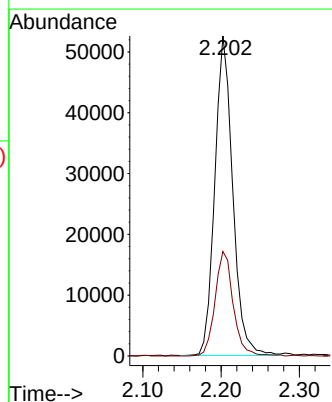
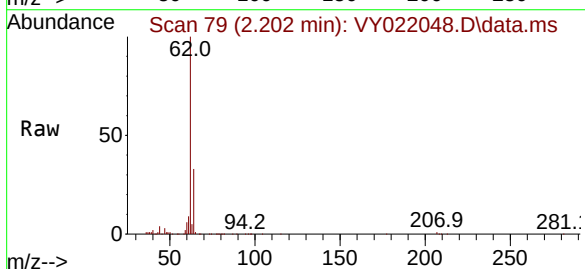
Manual Integrations
APPROVED

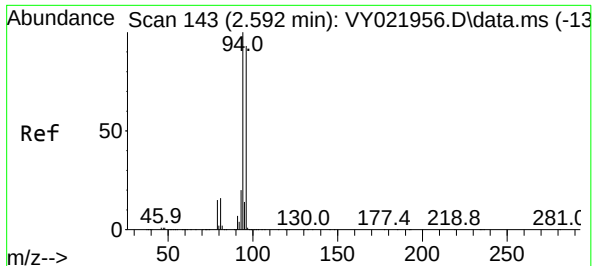
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Vinyl Chloride
Concen: 19.026 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 62 Resp: 83728
Ion Ratio Lower Upper
62 100
64 32.7 25.1 37.7





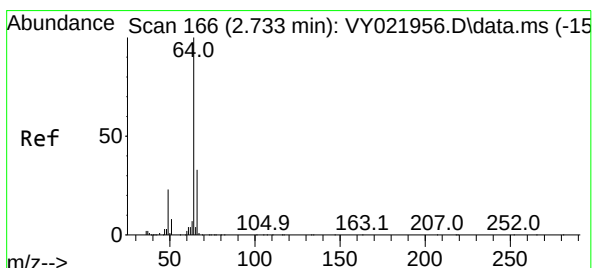
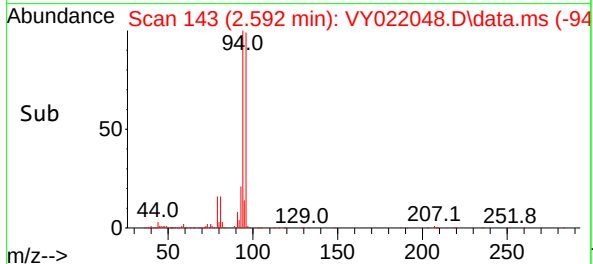
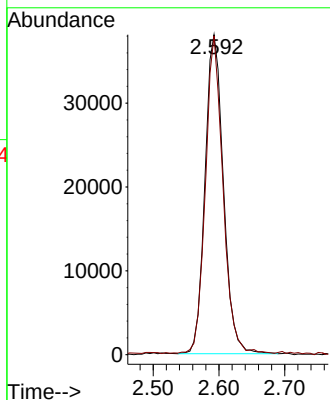
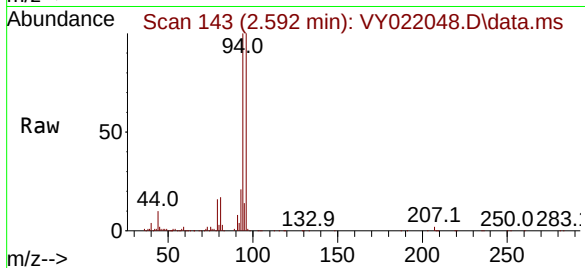
#5
Bromomethane
Concen: 19.513 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 94 Resp: 7398
Ion Ratio Lower Upper
94 100
96 99.5 74.6 111.8

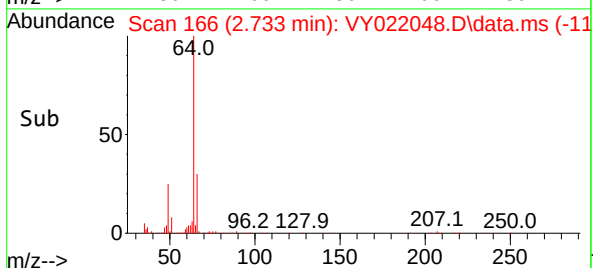
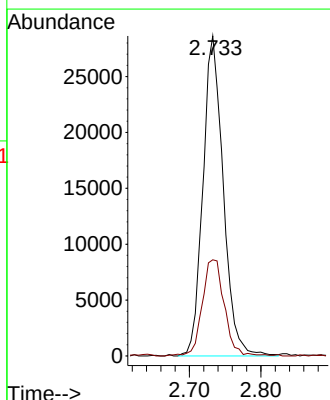
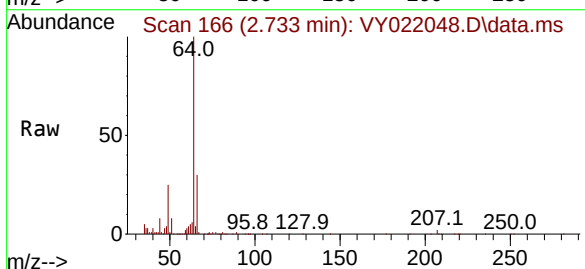
Manual Integrations
APPROVED

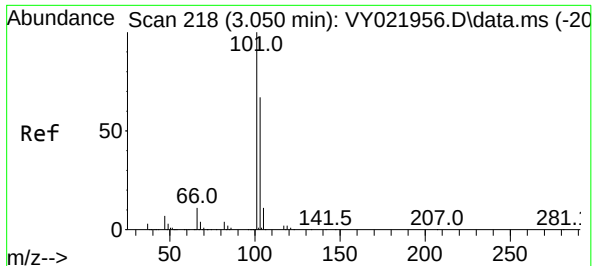
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#6
Chloroethane
Concen: 18.877 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

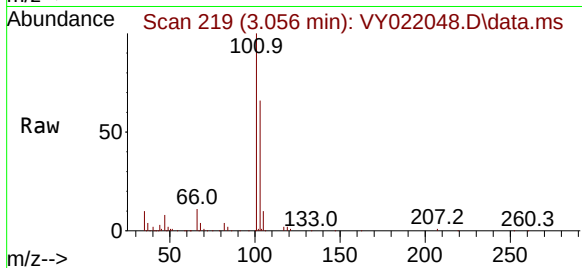
Tgt Ion: 64 Resp: 56577
Ion Ratio Lower Upper
64 100
66 29.7 26.2 39.4





#7
Trichlorofluoromethane
Concen: 19.414 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

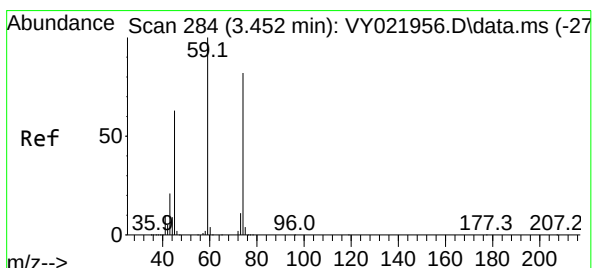
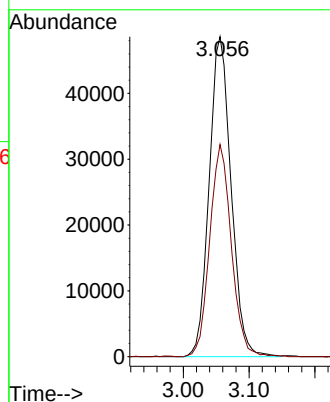
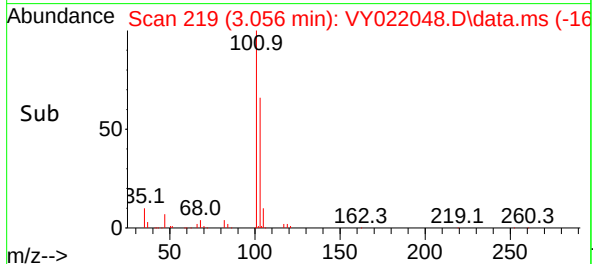
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion:101 Resp: 112658
Ion Ratio Lower Upper
101 100
103 66.3 53.6 80.4

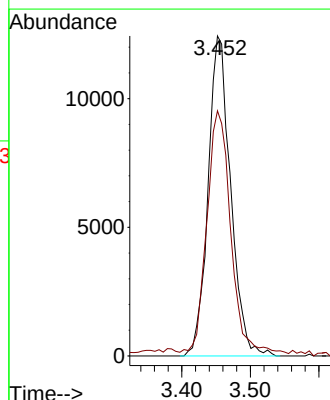
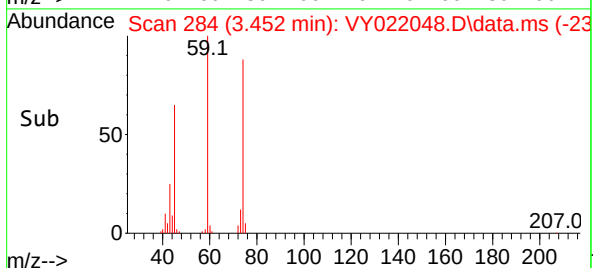
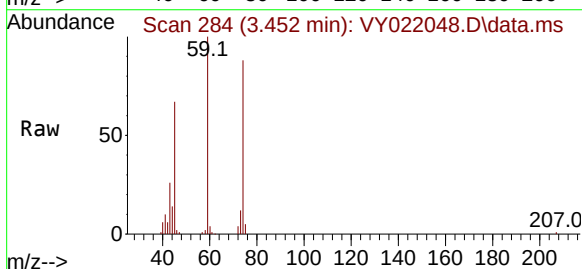
Manual Integrations
APPROVED

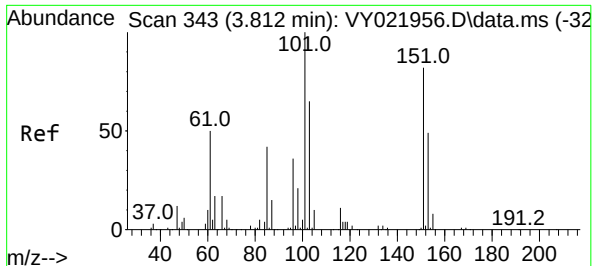
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#8
Diethyl Ether
Concen: 18.792 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 74 Resp: 28383
Ion Ratio Lower Upper
74 100
45 81.1 39.1 117.5





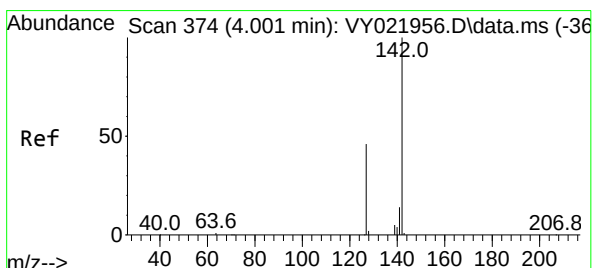
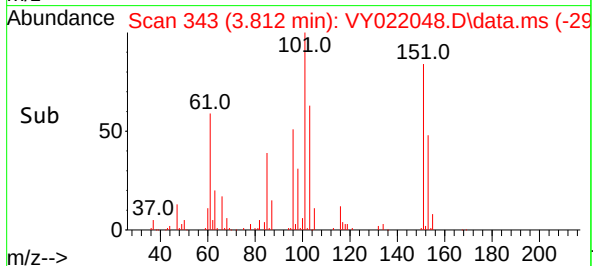
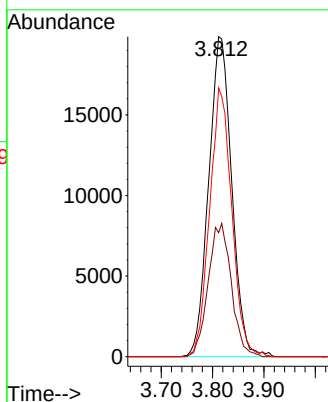
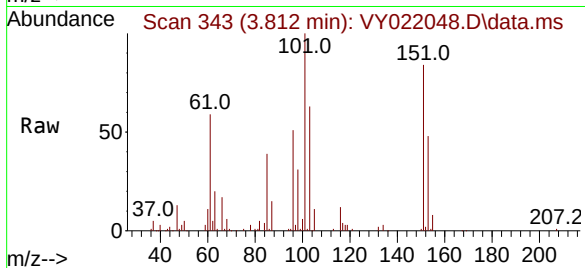
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.635 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:101 Resp: 61809
Ion Ratio Lower Upper
101 100
85 41.8 34.6 51.8
151 80.8 63.7 95.5

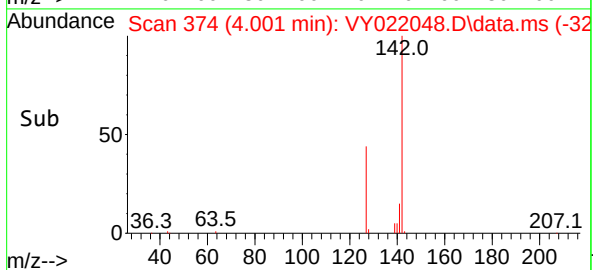
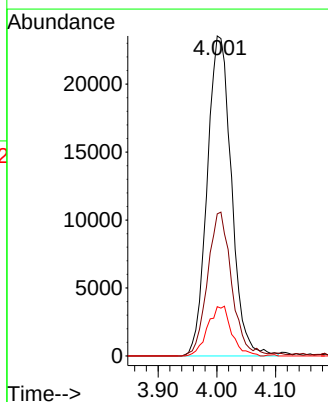
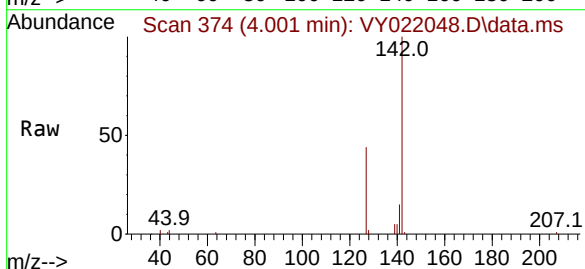
Manual Integrations
APPROVED

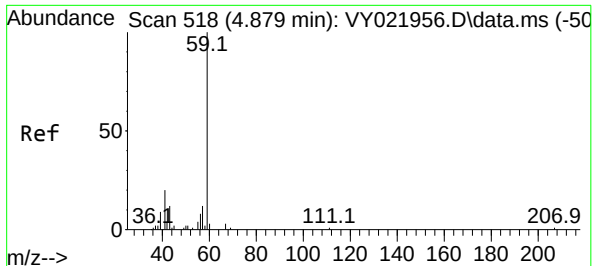
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#10
Methyl Iodide
Concen: 18.495 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:142 Resp: 67410
Ion Ratio Lower Upper
142 100
127 44.8 36.2 54.2
141 15.3 11.7 17.5





#11

Tert butyl alcohol

Concen: 88.452 ug/l

RT: 4.879 min Scan# 518

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 59 Resp: 13239

Ion Ratio Lower Upper

59 100

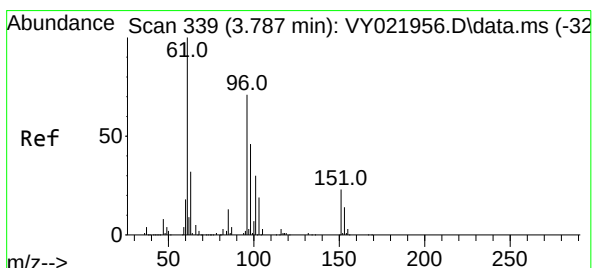
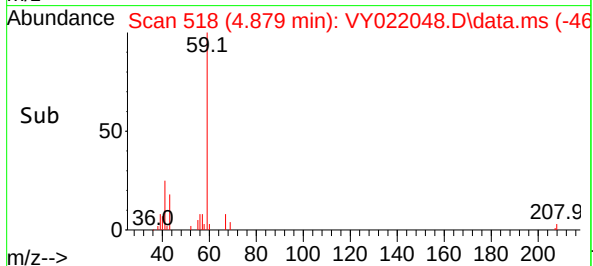
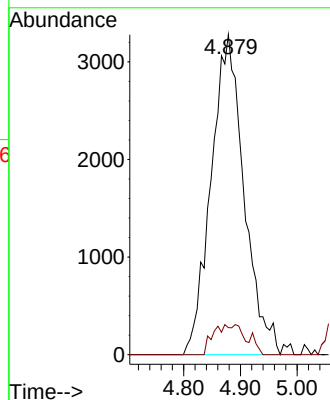
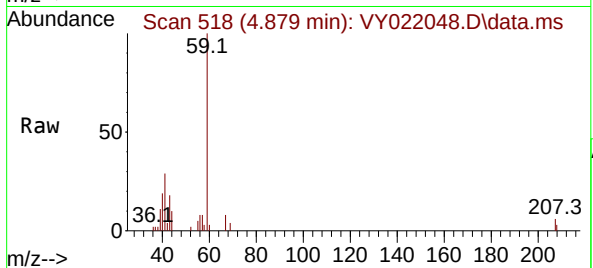
57 0.0 9.3 13.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#12

1,1-Dichloroethene

Concen: 19.793 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

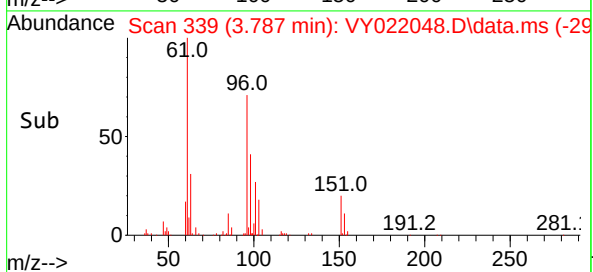
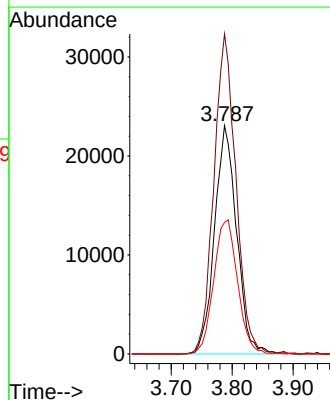
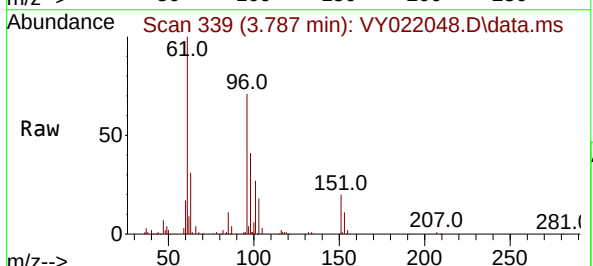
Tgt Ion: 96 Resp: 58076

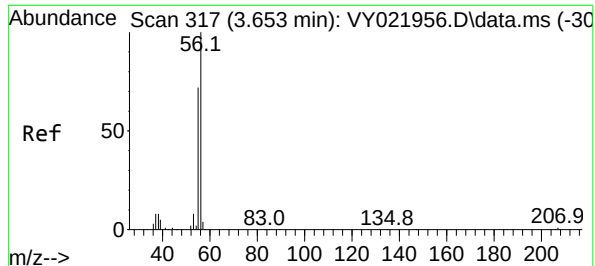
Ion Ratio Lower Upper

96 100

61 140.2 113.0 169.4

98 57.6 51.4 77.2





#13

Acrolein

Concen: 88.588 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 56 Resp: 23798

Ion Ratio Lower Upper

56 100

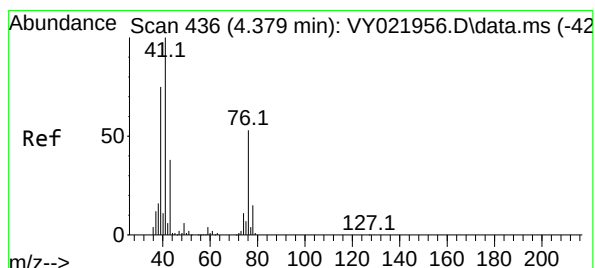
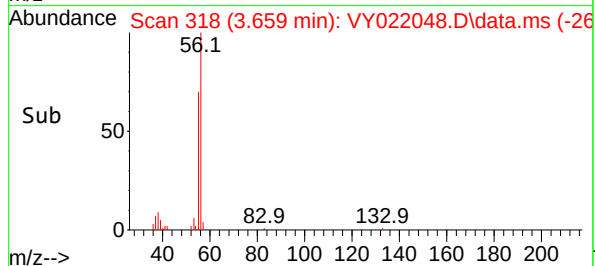
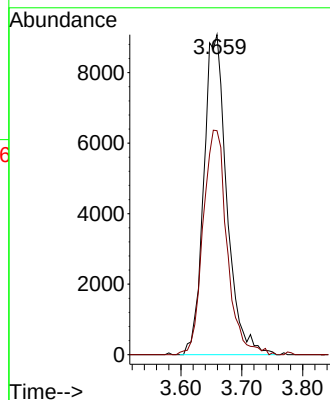
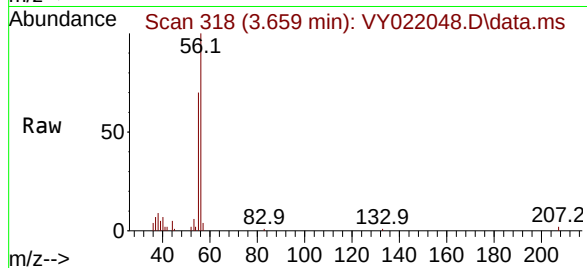
55 73.0 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#14

Allyl chloride

Concen: 18.980 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

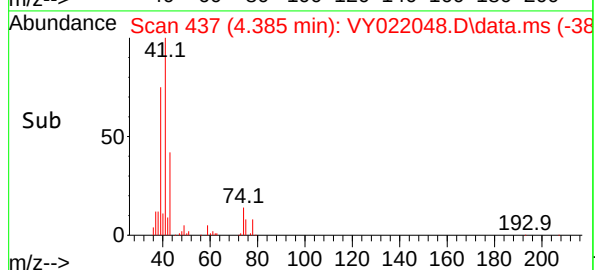
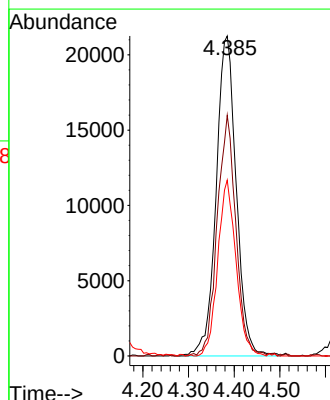
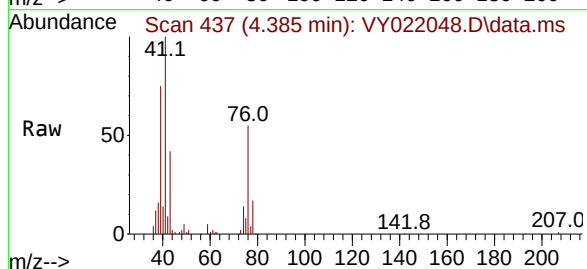
Tgt Ion: 41 Resp: 64847

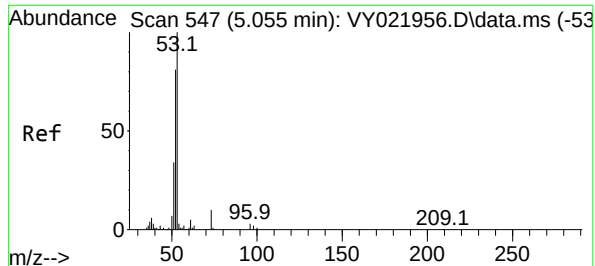
Ion Ratio Lower Upper

41 100

39 69.9 57.2 85.8

76 49.9 39.7 59.5





#15

Acrylonitrile

Concen: 92.413 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

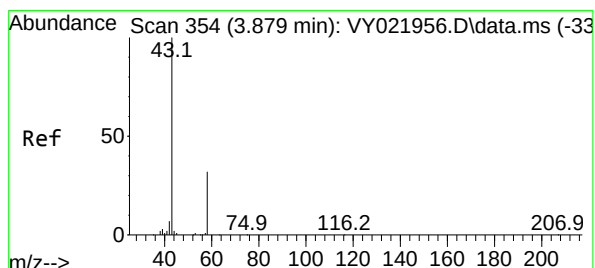
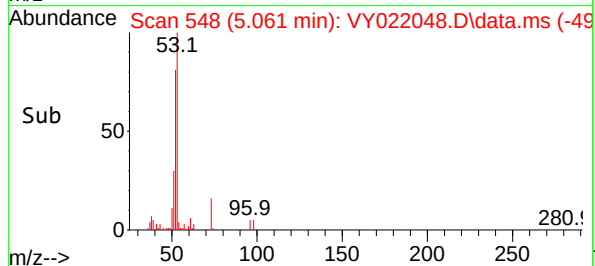
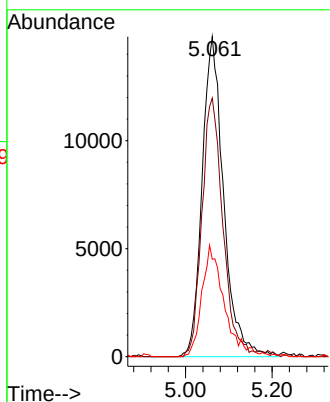
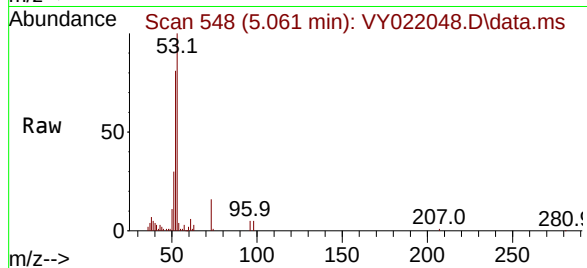
VY0429SBS01

Tgt Ion:	53	Resp:	5109
Ion	Ratio	Lower	Upper
53	100		
52	79.3	65.0	97.6
51	35.7	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#16

Acetone

Concen: 87.002 ug/l

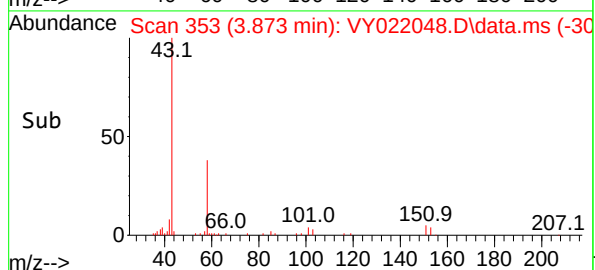
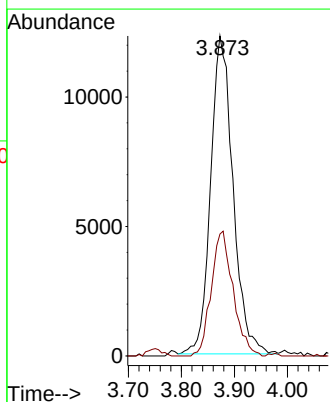
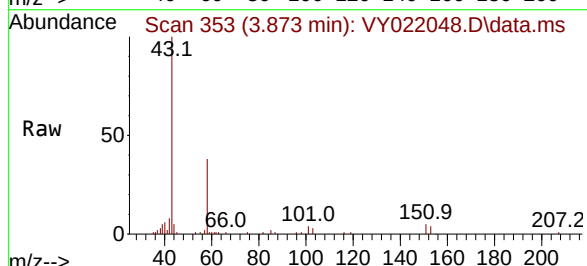
RT: 3.873 min Scan# 353

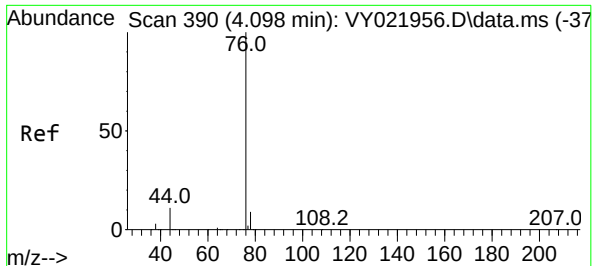
Delta R.T. -0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	43	Resp:	36017
Ion	Ratio	Lower	Upper
43	100		
58	38.4	27.0	40.4





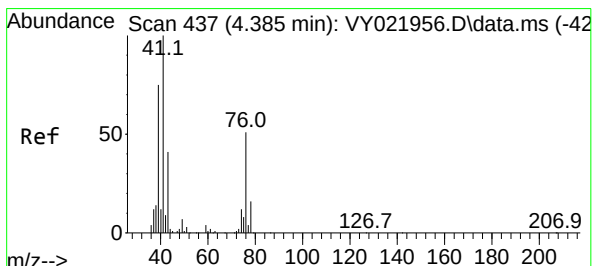
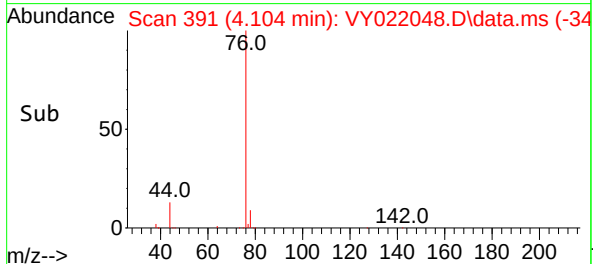
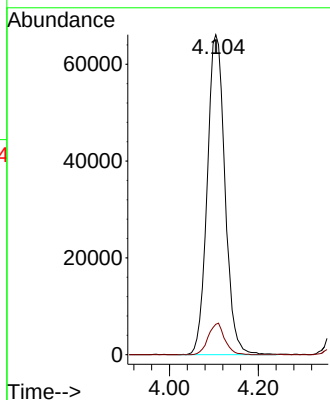
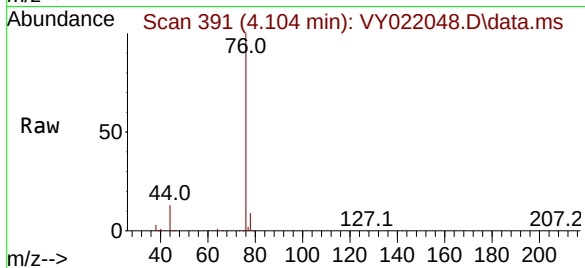
#17
Carbon Disulfide
Concen: 19.576 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 76 Resp: 183149
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

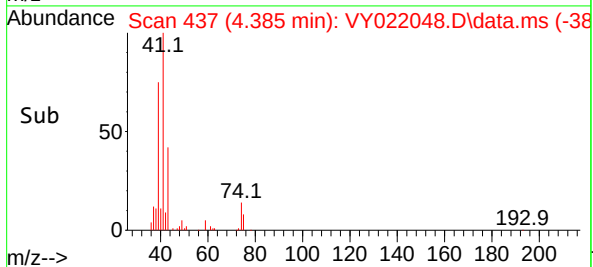
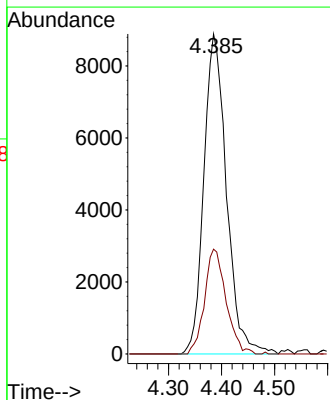
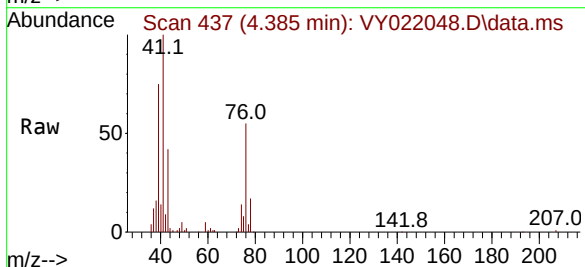
Manual Integrations
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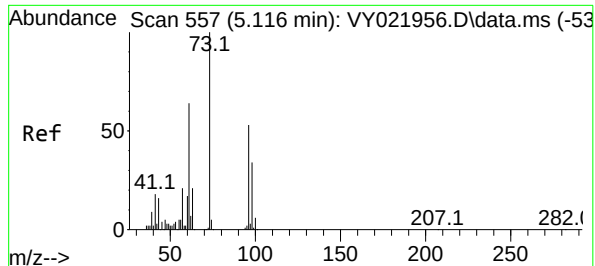
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#18
Methyl Acetate
Concen: 20.705 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 26368
Ion Ratio Lower Upper
43 100
74 31.1 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 18.330 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 73 Resp: 120380

Ion Ratio Lower Upper

73 100

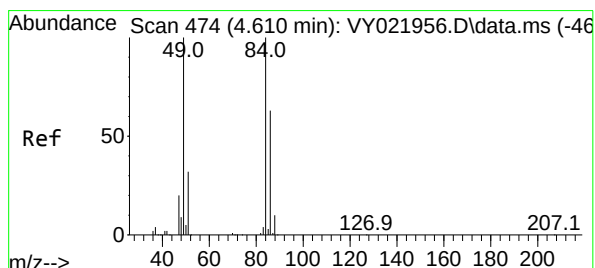
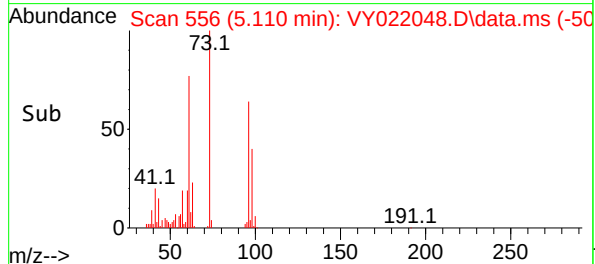
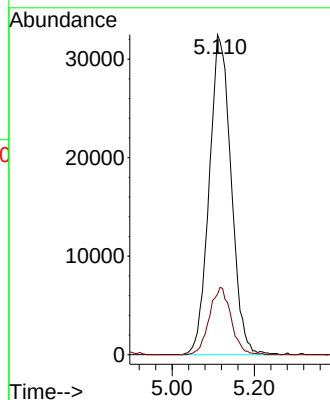
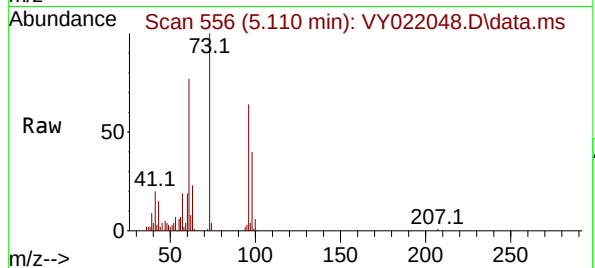
57 18.9 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#20

Methylene Chloride

Concen: 18.734 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion: 84 Resp: 64582

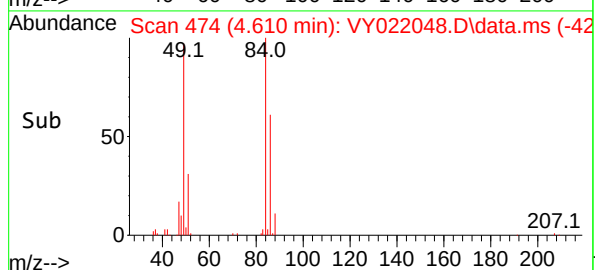
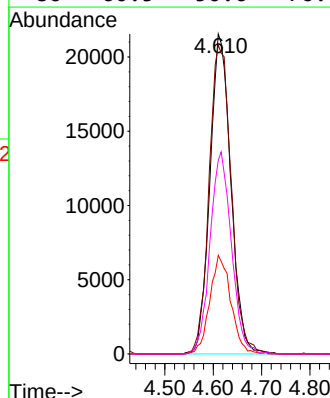
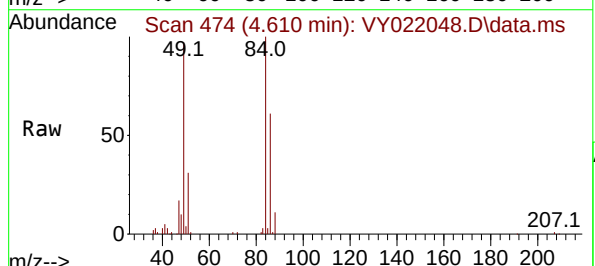
Ion Ratio Lower Upper

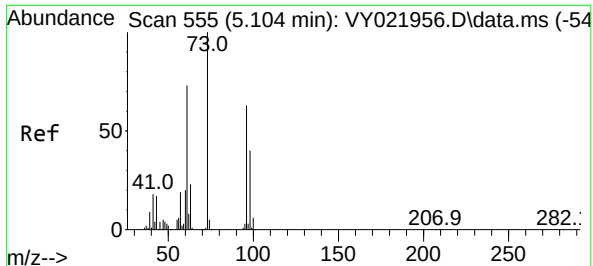
84 100

49 96.5 79.9 119.9

51 30.8 25.4 38.0

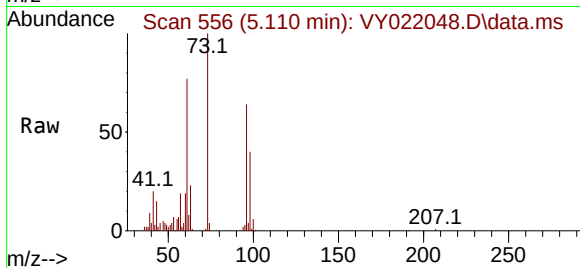
86 60.5 50.6 76.0





#21
trans-1,2-Dichloroethene
Concen: 19.519 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

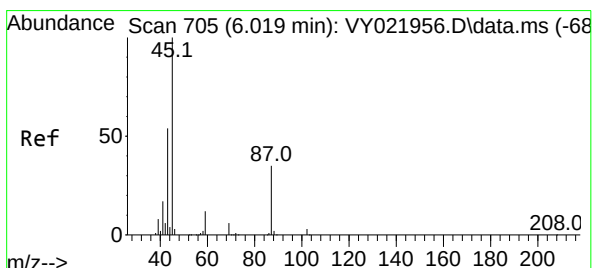
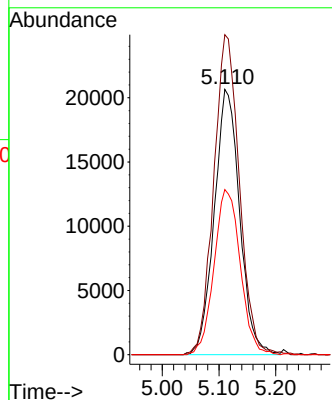
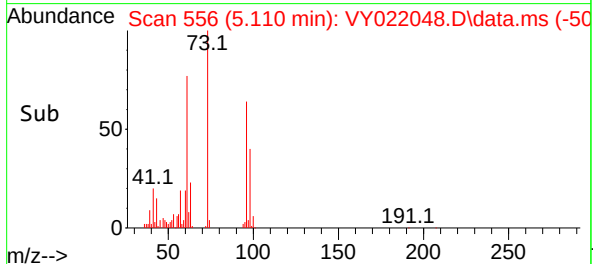
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion: 96 Resp: 64140
Ion Ratio Lower Upper
96 100
61 120.6 92.6 138.8
98 62.2 50.2 75.4

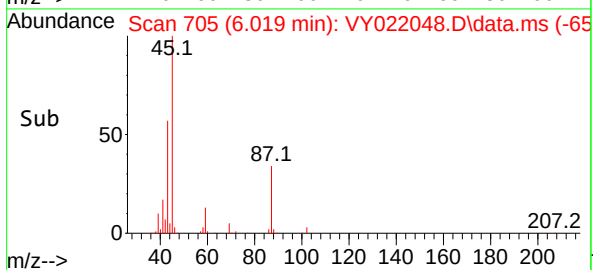
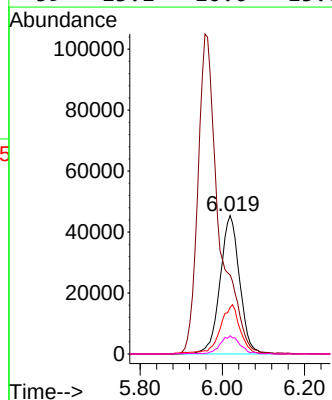
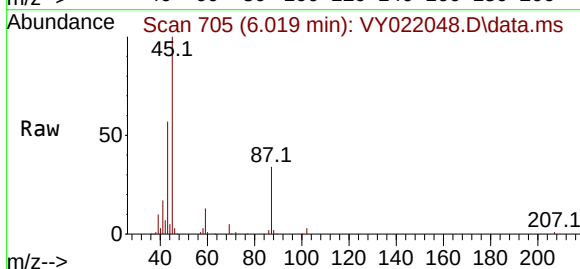
Manual Integrations
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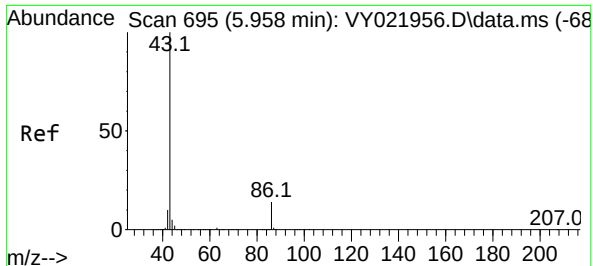
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#22
Diisopropyl ether
Concen: 19.653 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 45 Resp: 149424
Ion Ratio Lower Upper
45 100
43 56.7 43.6 65.4
87 33.6 28.2 42.4
59 13.1 10.0 15.0





#23

Vinyl Acetate

Concen: 91.151 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 43 Resp: 373500

Ion Ratio Lower Upper

43 100

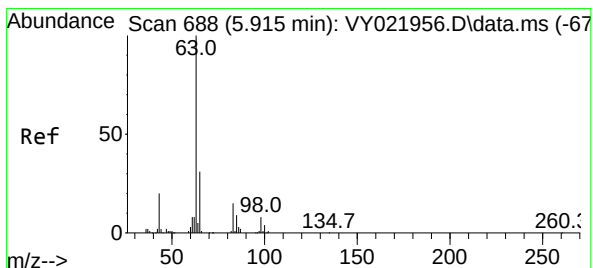
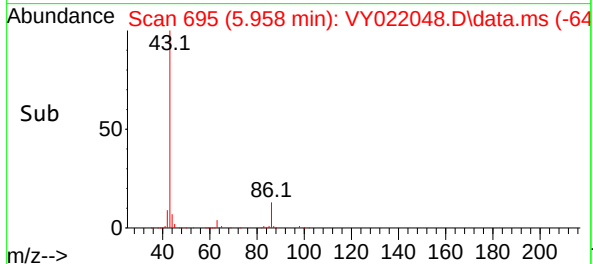
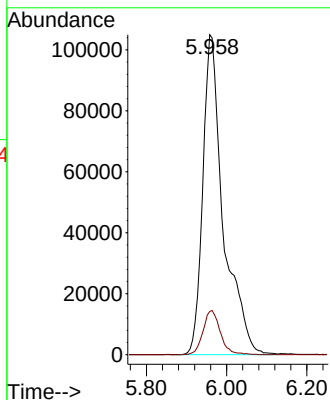
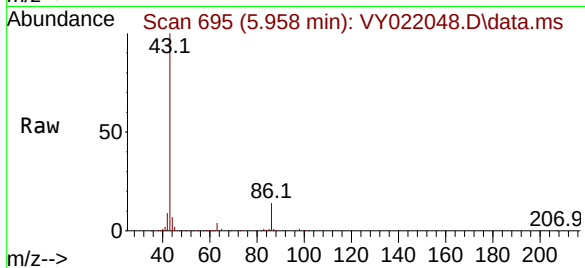
86 13.5 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#24

1,1-Dichloroethane

Concen: 19.263 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

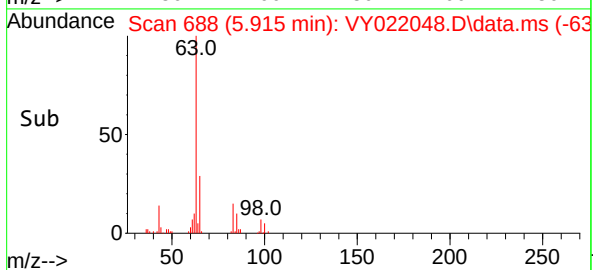
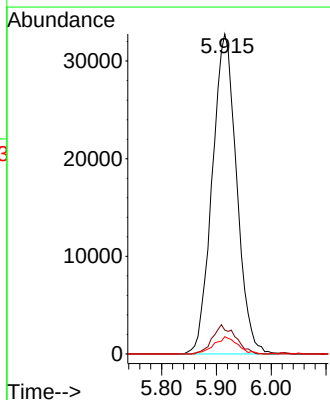
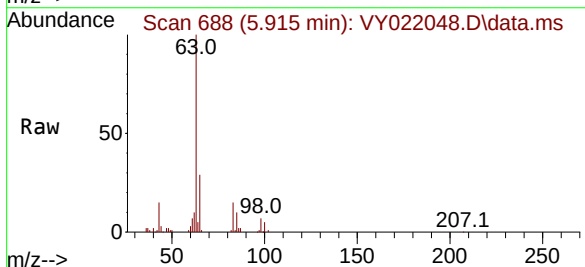
Tgt Ion: 63 Resp: 101522

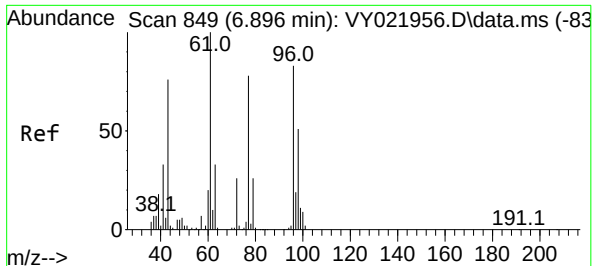
Ion Ratio Lower Upper

63 100

98 7.5 4.0 11.9

100 5.4 2.0 6.0





#25

2-Butanone

Concen: 88.358 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 43 Resp: 5491

Ion Ratio Lower Upper

43 100

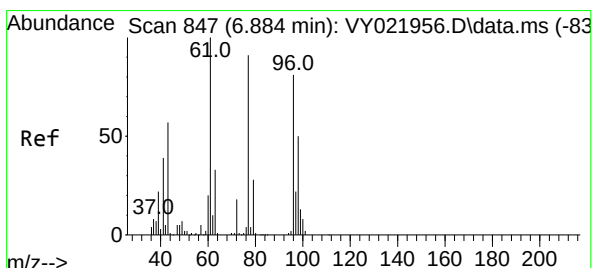
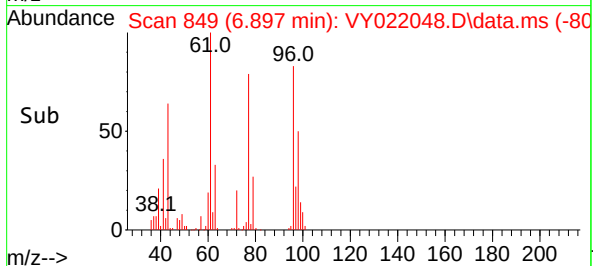
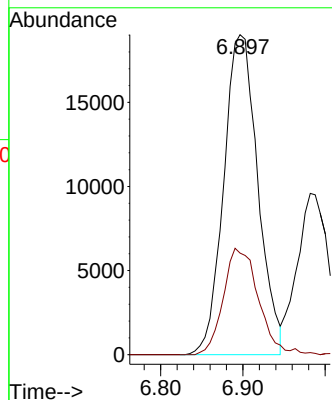
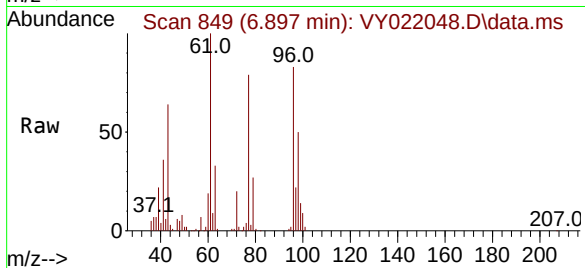
72 31.8 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#26

2,2-Dichloropropane

Concen: 19.830 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022048.D

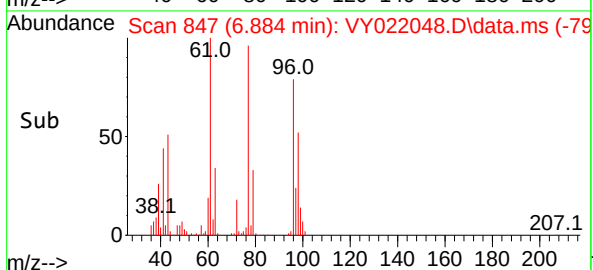
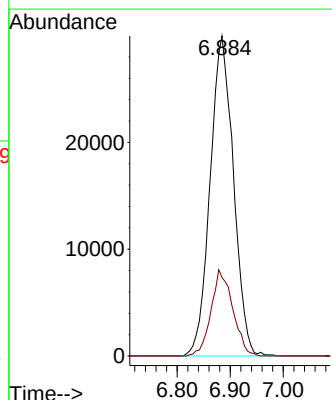
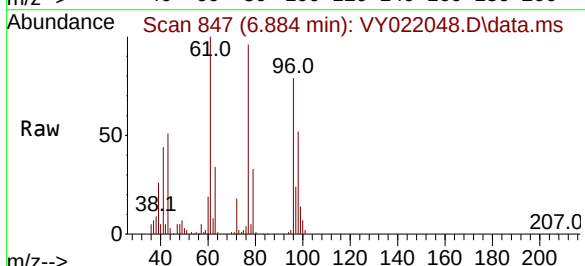
Acq: 29 Apr 2025 10:31

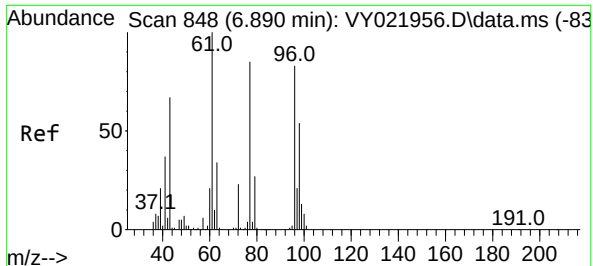
Tgt Ion: 77 Resp: 91600

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4





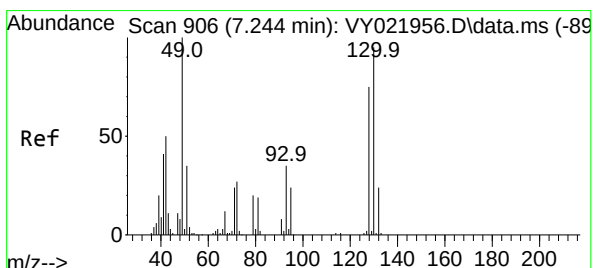
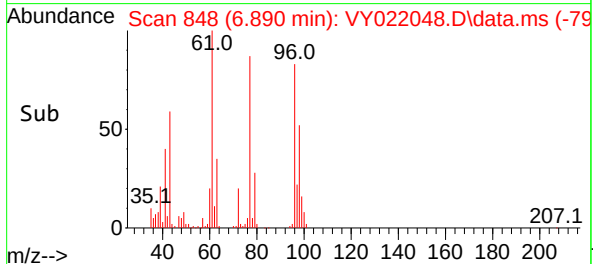
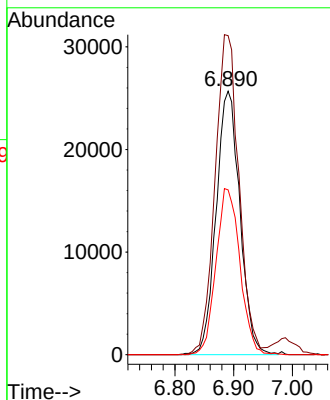
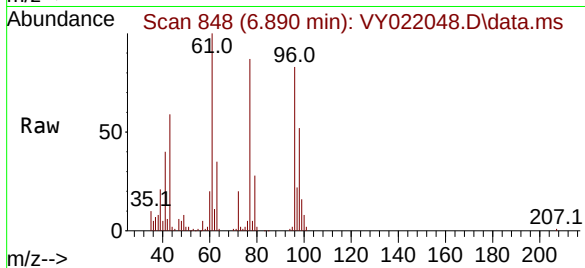
#27
 cis-1,2-Dichloroethene
 Concen: 19.606 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY022048.D
 Acq: 29 Apr 2025 10:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Tgt Ion: 96 Resp: 72039
 Ion Ratio Lower Upper
 96 100
 61 122.5 0.0 251.4
 98 63.7 0.0 128.4

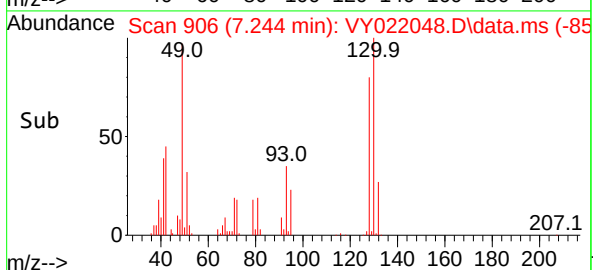
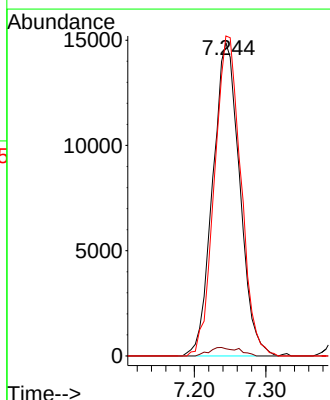
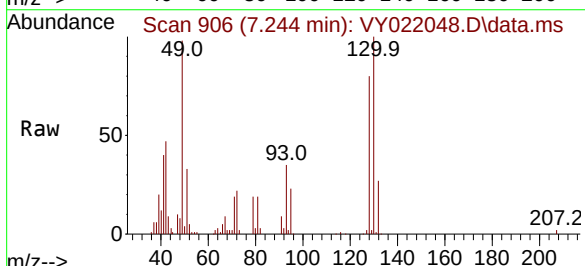
Manual Integrations
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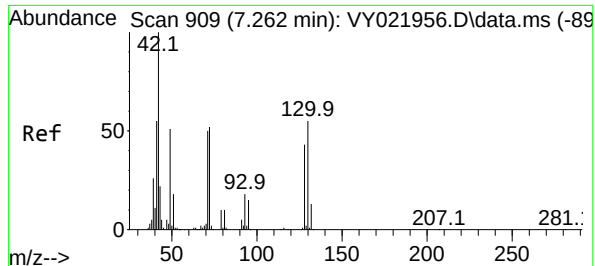
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#28
 Bromochloromethane
 Concen: 19.066 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY022048.D
 Acq: 29 Apr 2025 10:31

Tgt Ion: 49 Resp: 39029
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.0
 130 99.7 78.2 117.4





#29

Tetrahydrofuran

Concen: 88.815 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 42 Resp: 3584

Ion Ratio Lower Upper

42 100

72 54.8 42.6 63.8

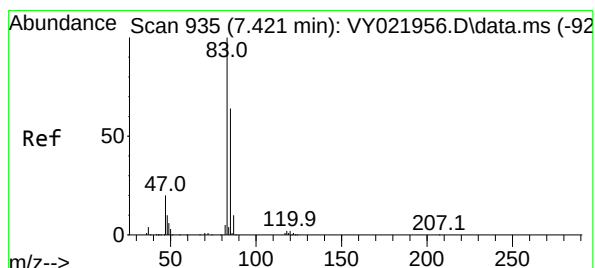
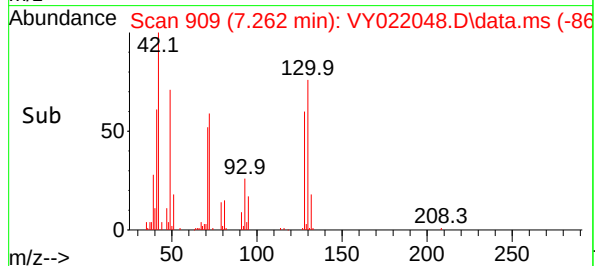
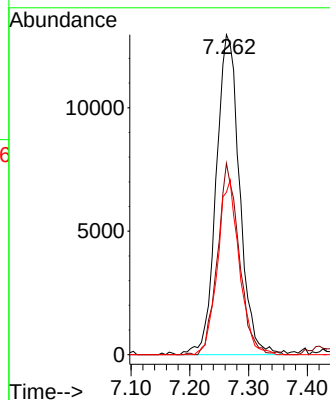
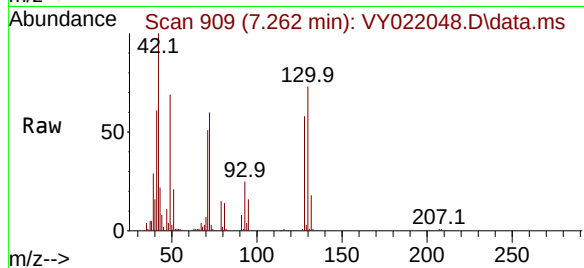
71 51.0 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#30

Chloroform

Concen: 20.020 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022048.D

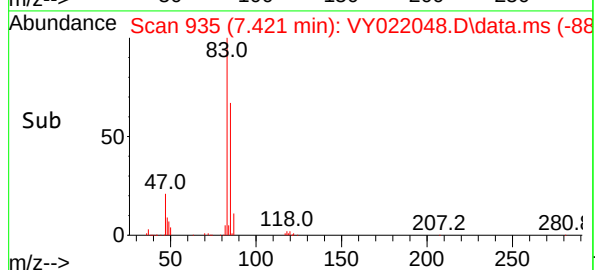
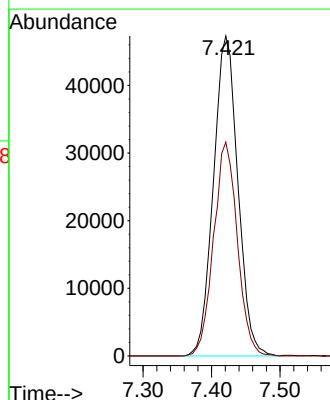
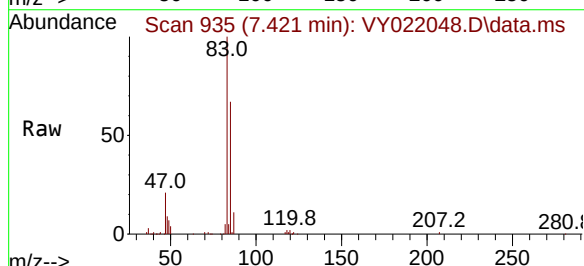
Acq: 29 Apr 2025 10:31

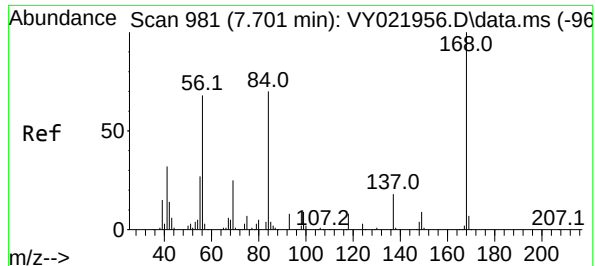
Tgt Ion: 83 Resp: 117036

Ion Ratio Lower Upper

83 100

85 66.8 51.3 76.9





#31

Cyclohexane

Concen: 18.687 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

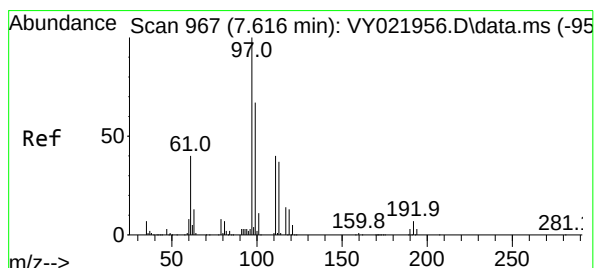
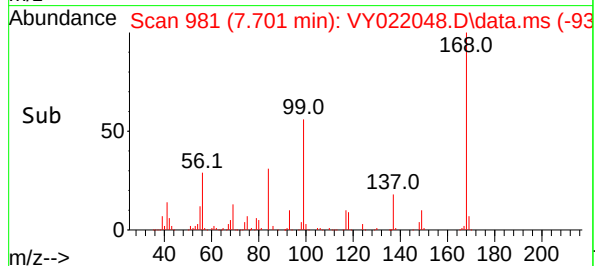
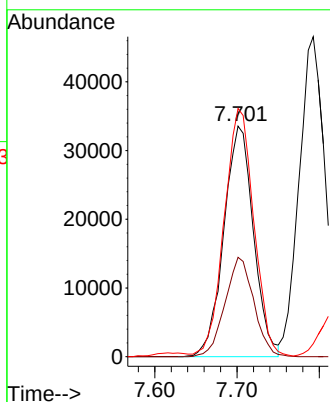
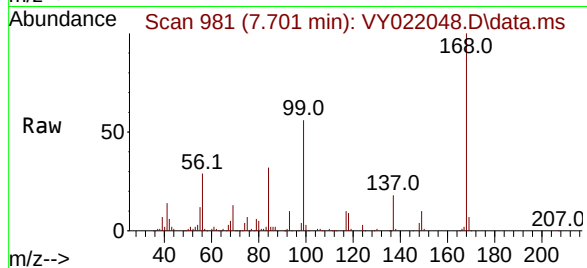
ClientSampleId :

VY0429SBS01

Tgt Ion:	56	Resp:	84220
Ion	Ratio	Lower	Upper
56	100		
69	43.1	29.4	44.2
84	106.1	82.2	123.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#32

1,1,1-Trichloroethane

Concen: 19.880 ug/l

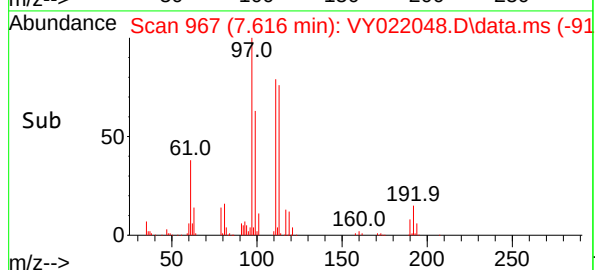
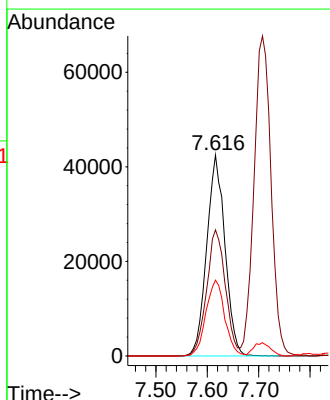
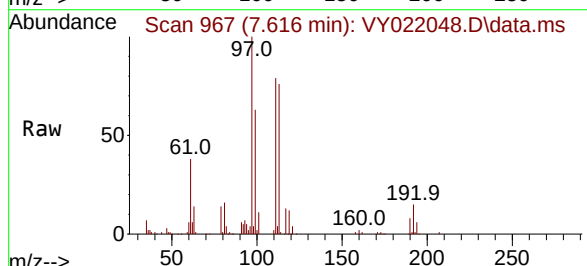
RT: 7.616 min Scan# 967

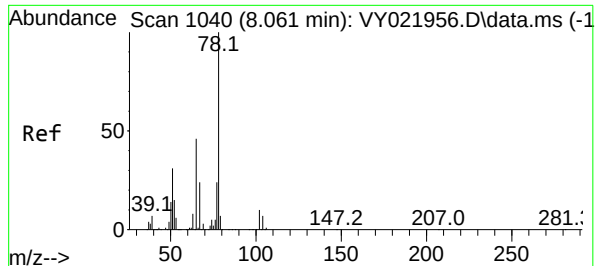
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	97	Resp:	105143
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	38.7	31.4	47.2





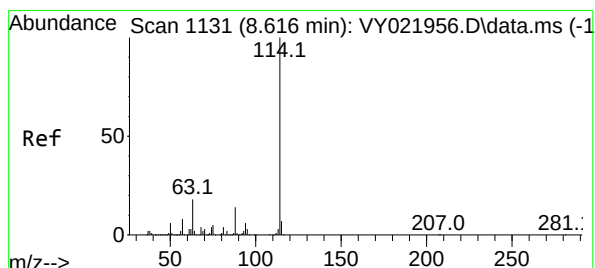
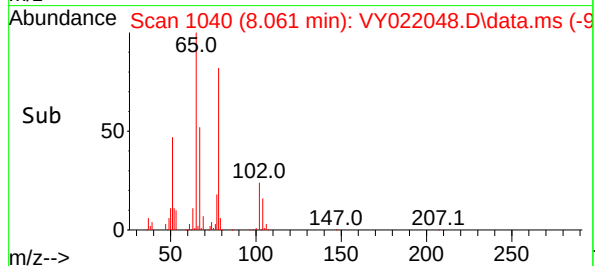
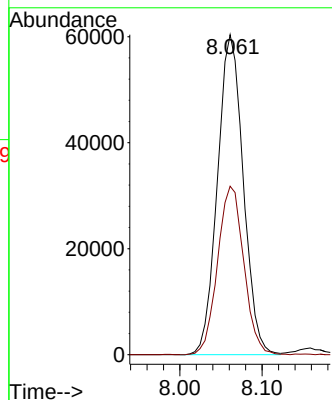
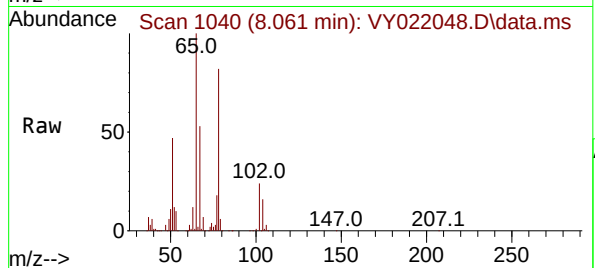
#33
1,2-Dichloroethane-d4
Concen: 48.350 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 65 Resp: 131819
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

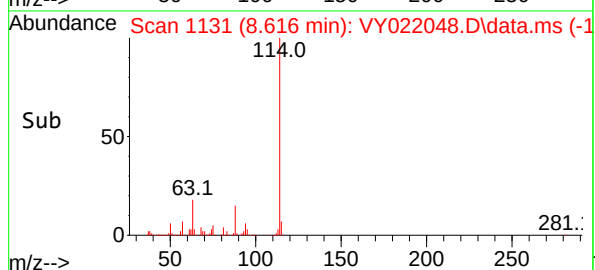
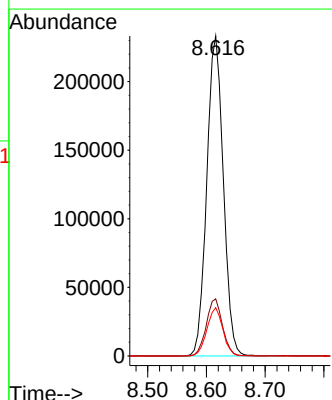
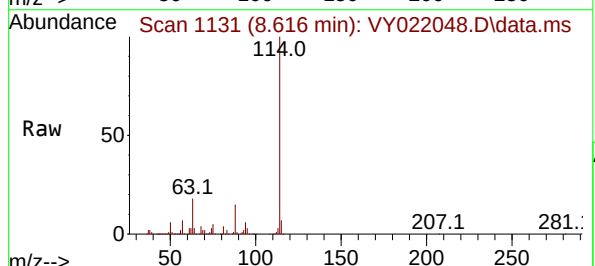
Manual Integrations
APPROVED

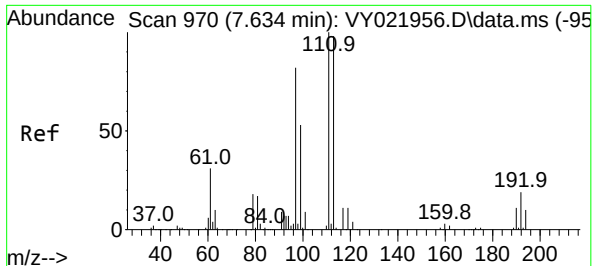
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:114 Resp: 455592
Ion Ratio Lower Upper
114 100
63 17.8 0.0 35.4
88 15.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 50.166 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

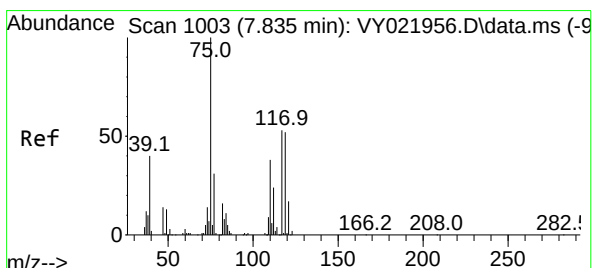
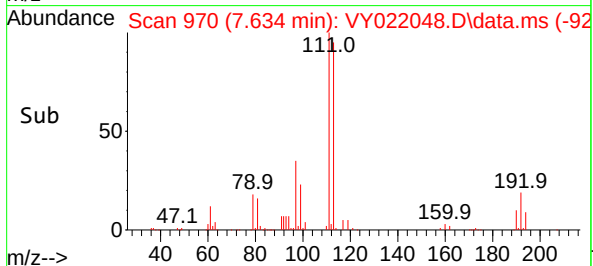
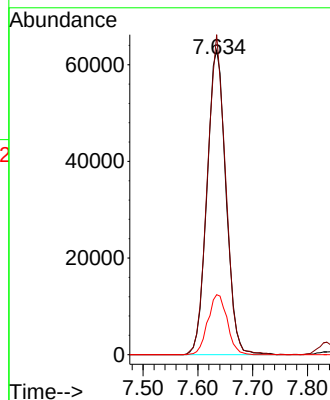
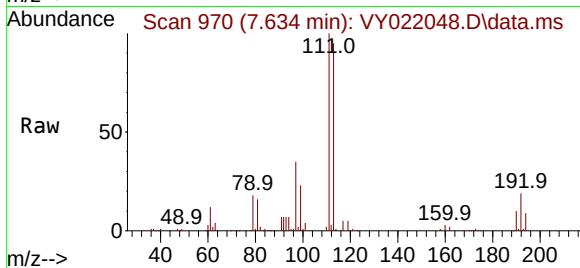
Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion:	113	Resp:	150994
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	20.1	15.6	23.4

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

#36

1,1-Dichloropropene

Concen: 19.558 ug/l

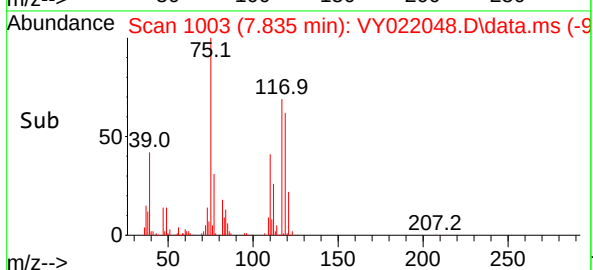
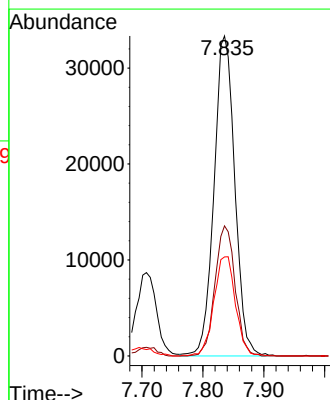
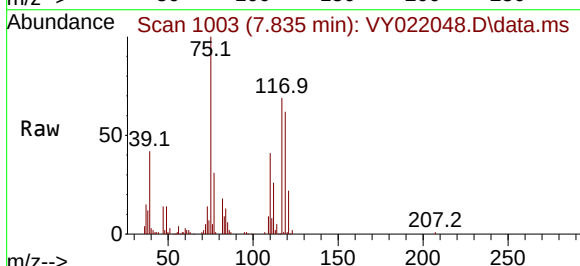
RT: 7.835 min Scan# 1003

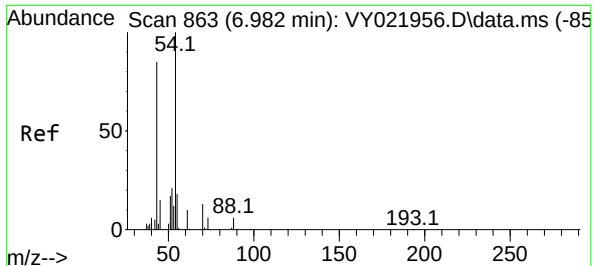
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	75	Resp:	79075
Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.1	57.3
77	32.2	25.5	38.3





#37

Ethyl Acetate

Concen: 18.338 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

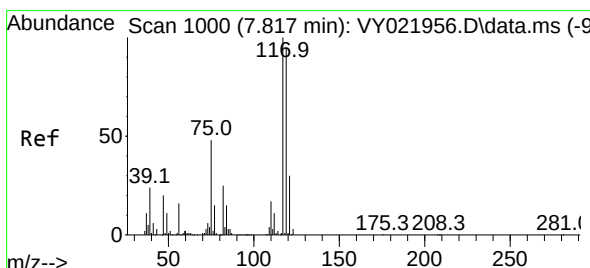
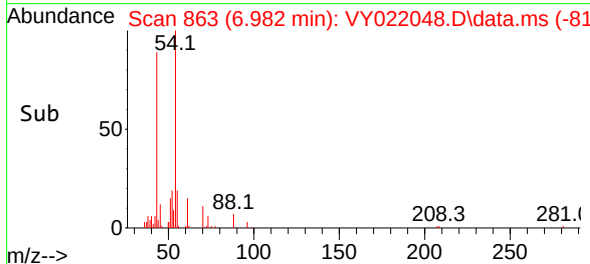
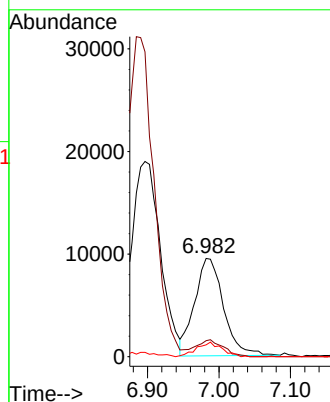
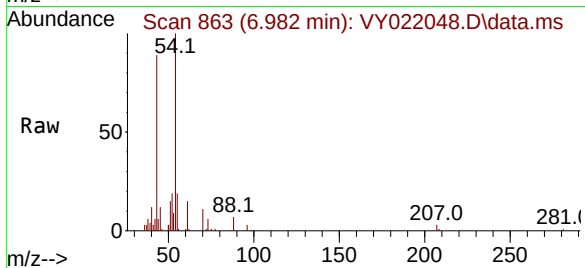
VY0429SBS01

Tgt Ion:	43	Resp:	26628
Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	13.0	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#38

Carbon Tetrachloride

Concen: 20.330 ug/l

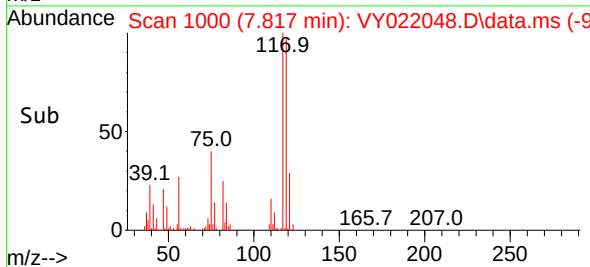
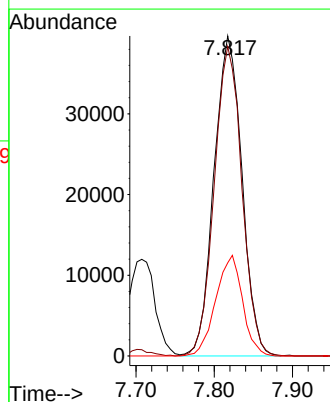
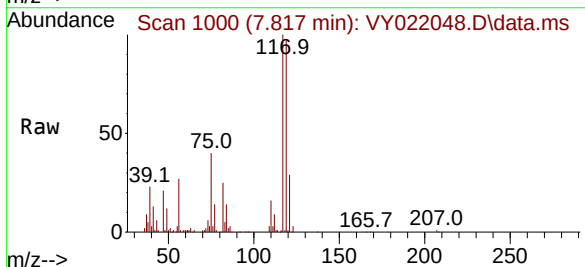
RT: 7.817 min Scan# 1000

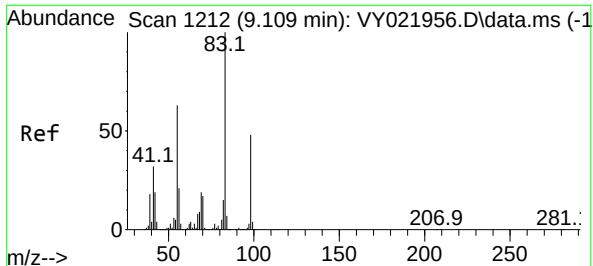
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	117	Resp:	98218
Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.4
121	29.1	24.0	36.0





#39

Methylcyclohexane

Concen: 18.187 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

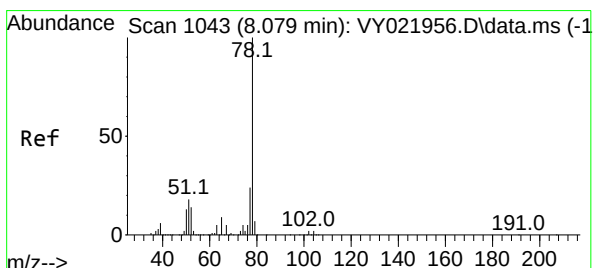
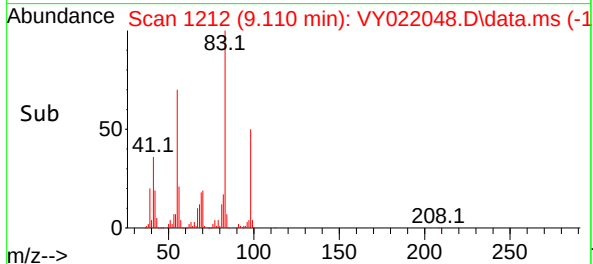
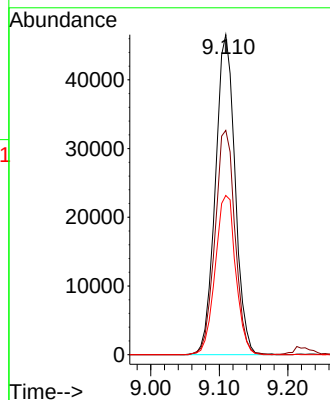
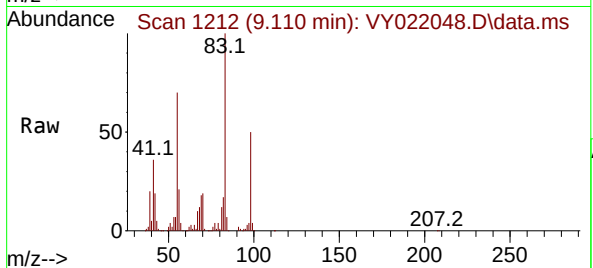
VY0429SBS01

Tgt Ion:	83	Resp:	9253
Ion	Ratio	Lower	Upper
83	100		
55	70.1	50.6	75.8
98	49.8	38.6	58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#40

Benzene

Concen: 20.158 ug/l

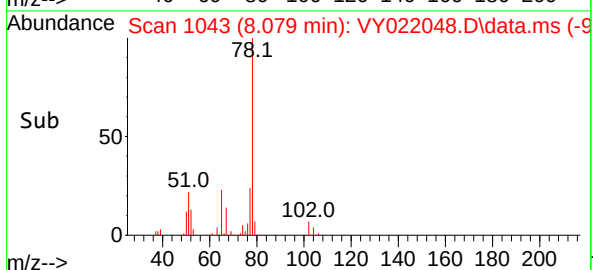
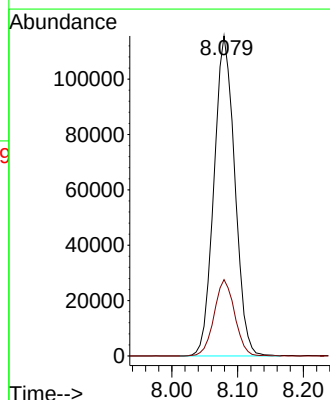
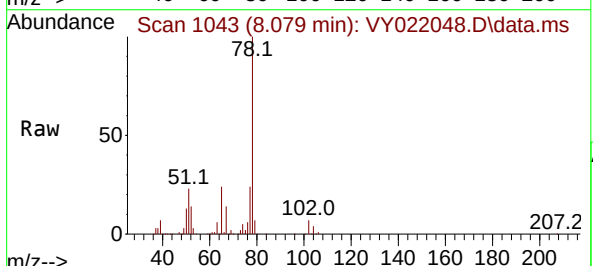
RT: 8.079 min Scan# 1043

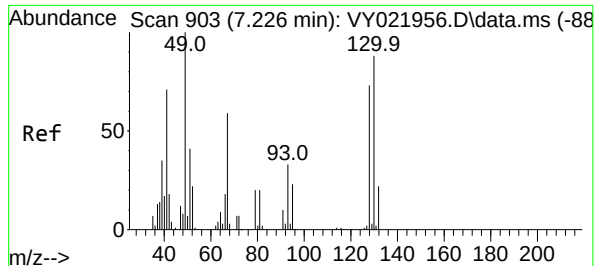
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	78	Resp:	254772
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 18.571 ug/l m

RT: 7.220 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 41 Resp: 1474

Ion Ratio Lower Upper

41 100

39 52.0 36.6 55.0

67 88.7 72.2 108.4

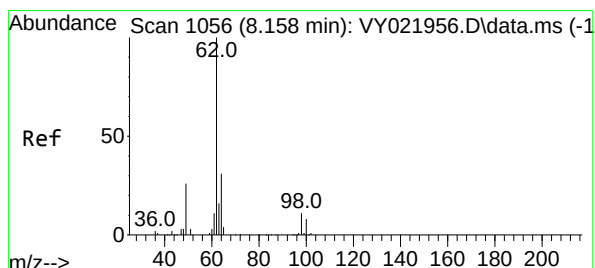
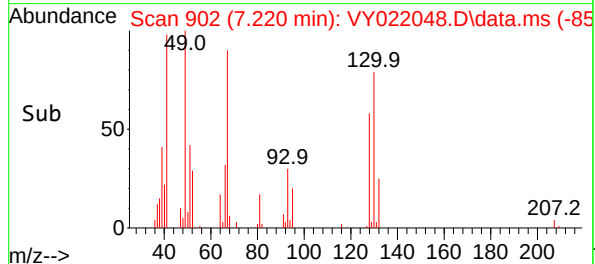
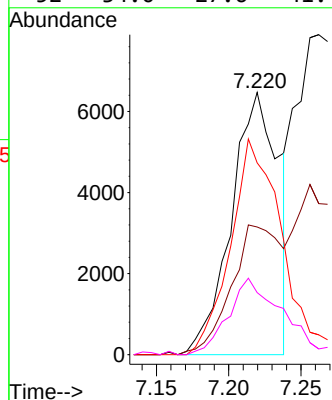
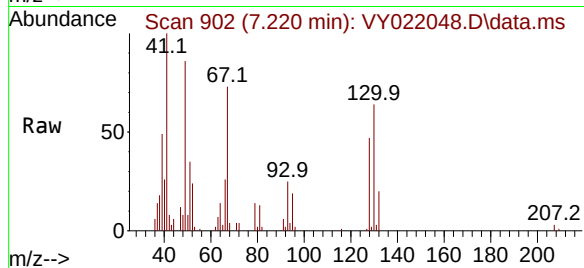
52 34.0 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#42

1,2-Dichloroethane

Concen: 19.929 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY022048.D

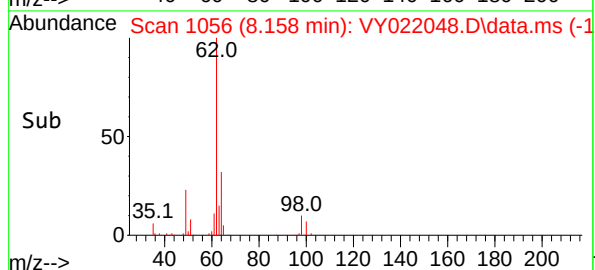
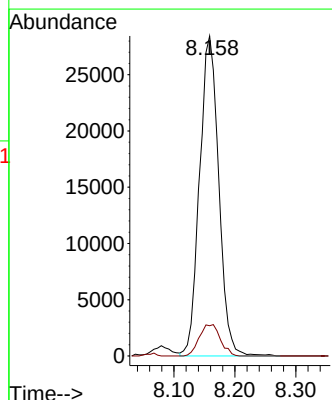
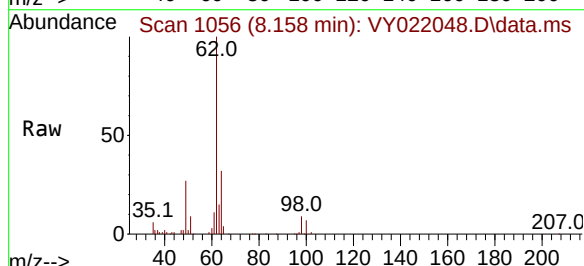
Acq: 29 Apr 2025 10:31

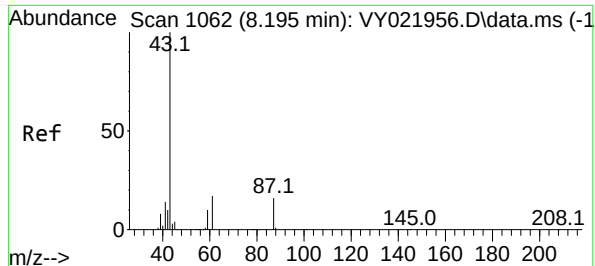
Tgt Ion: 62 Resp: 62360

Ion Ratio Lower Upper

62 100

98 10.8 0.0 22.0





#43

Isopropyl Acetate

Concen: 18.193 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

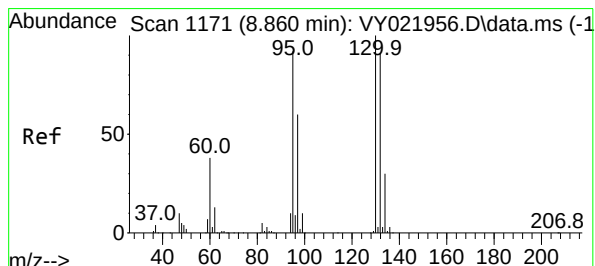
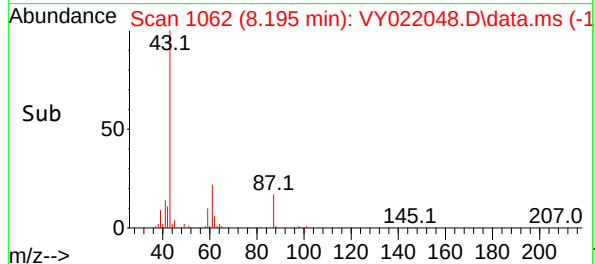
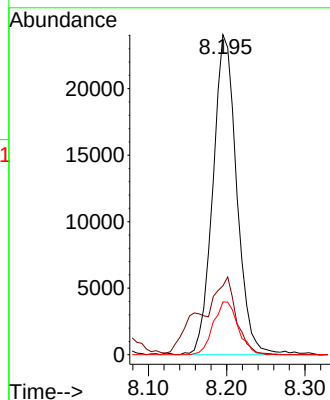
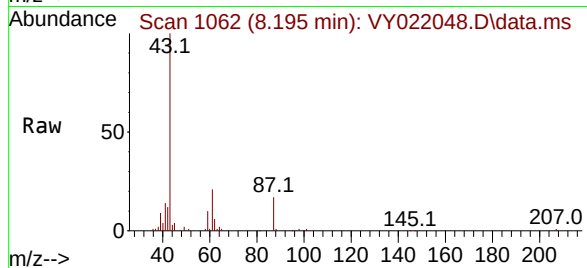
Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 43	Resp: 5073
Ion Ratio	Lower Upper
43	100
61	21.9 18.9 28.3
87	17.2 13.7 20.5

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

#44

Trichloroethene

Concen: 20.290 ug/l

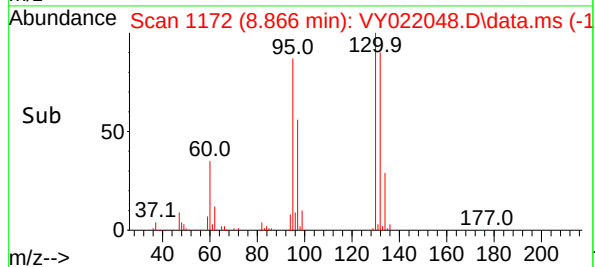
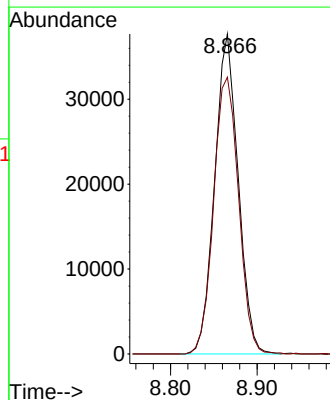
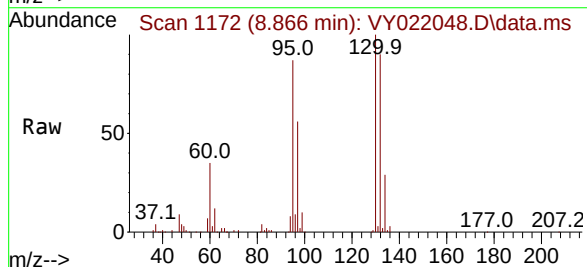
RT: 8.866 min Scan# 1172

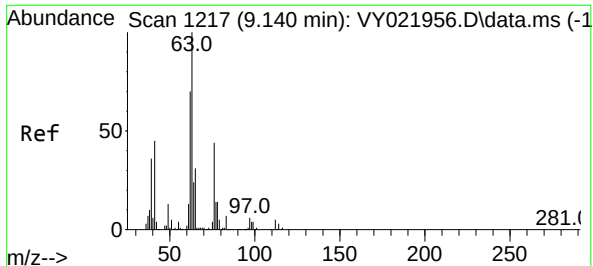
Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:130	Resp: 71028
Ion Ratio	Lower Upper
130	100
95	86.5 0.0 183.2





#45

1,2-Dichloropropane

Concen: 20.194 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 63 Resp: 5644

Ion Ratio Lower Upper

63 100

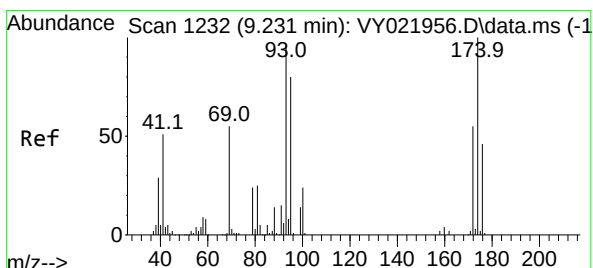
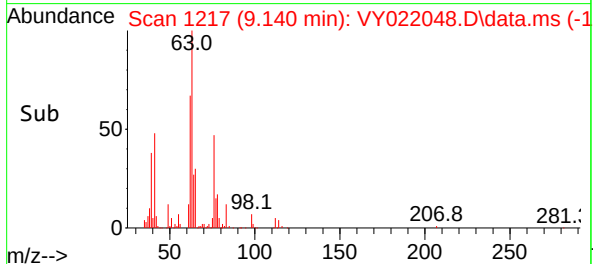
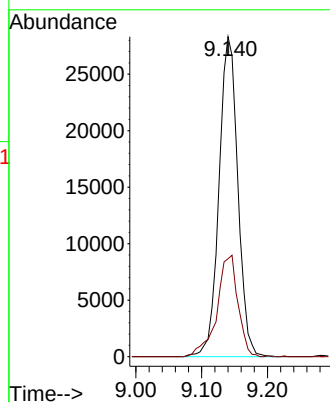
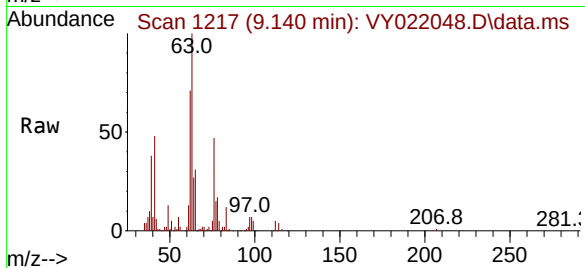
65 30.6 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#46

Dibromomethane

Concen: 19.593 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

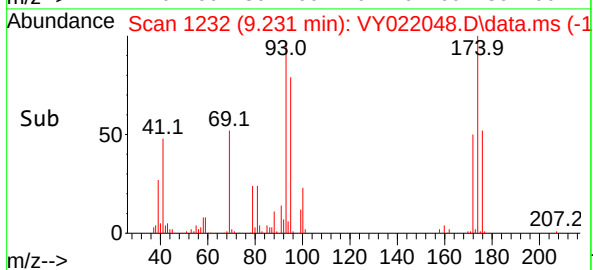
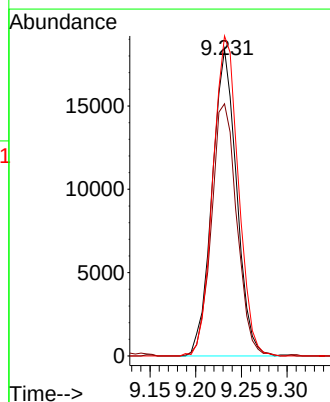
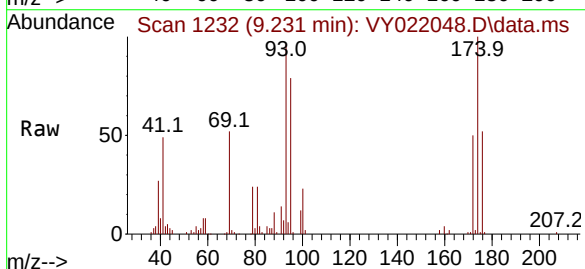
Tgt Ion: 93 Resp: 34280

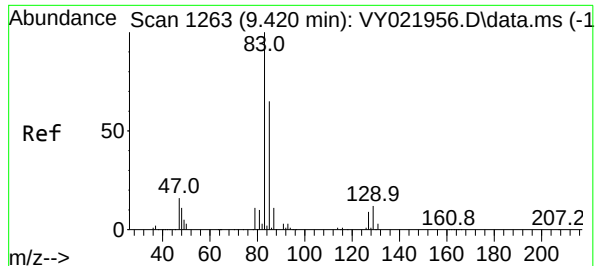
Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

174 108.0 84.6 127.0





#47

Bromodichloromethane

Concen: 20.067 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

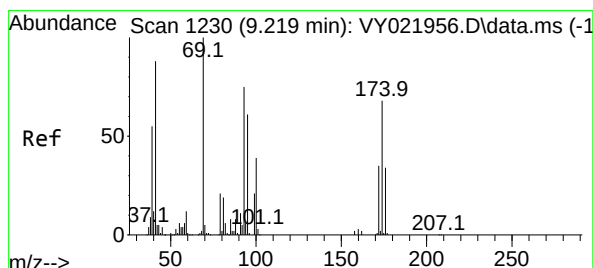
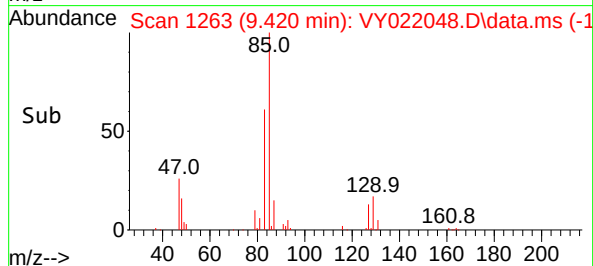
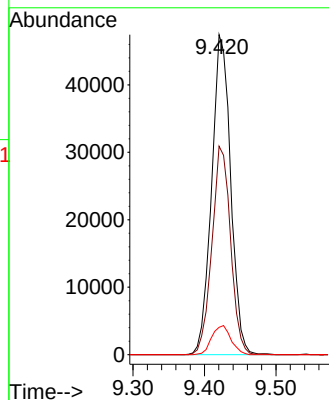
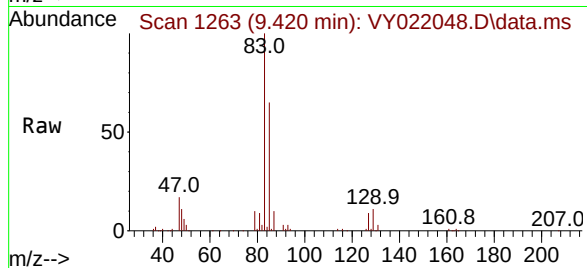
VY0429SBS01

Tgt Ion:	83	Resp:	87710
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.8	77.8
127	8.5	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#48

Methyl methacrylate

Concen: 17.533 ug/l

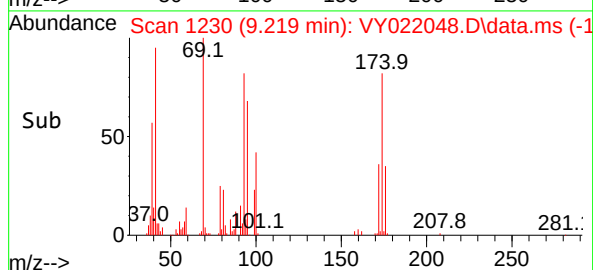
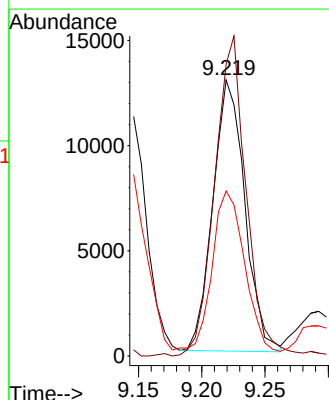
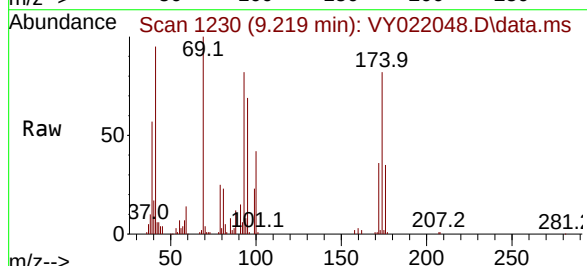
RT: 9.219 min Scan# 1230

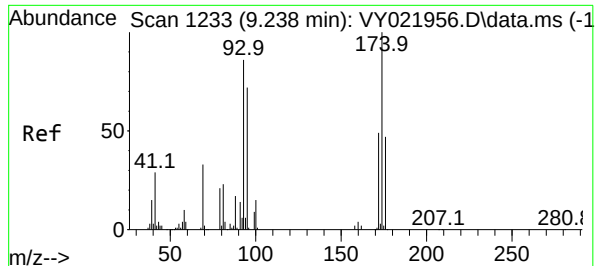
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	41	Resp:	22602
Ion Ratio	Lower	Upper	
41	100		
69	117.1	85.5	128.3
39	59.4	46.2	69.4





#49

1,4-Dioxane

Concen: 355.374 ug/l

RT: 9.225 min Scan# 1233

Delta R.T. -0.012 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion: 88 Resp: 662

Ion Ratio Lower Upper

88 100

43 30.6 21.3 31.9

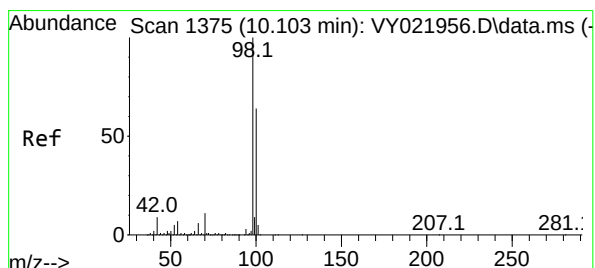
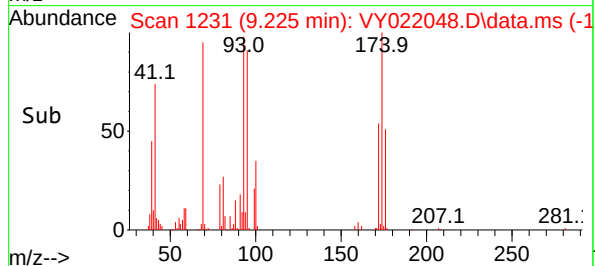
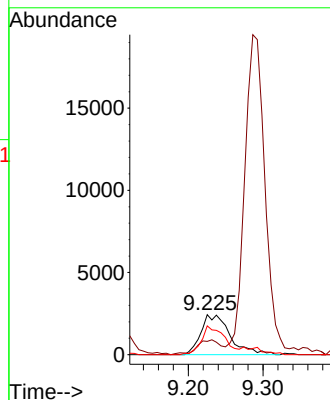
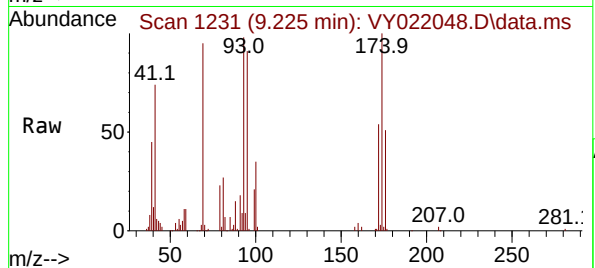
58 56.9 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#50

Toluene-d8

Concen: 50.927 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022048.D

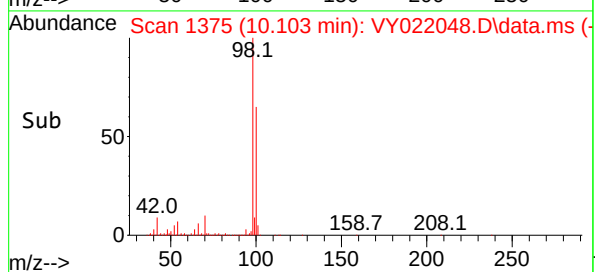
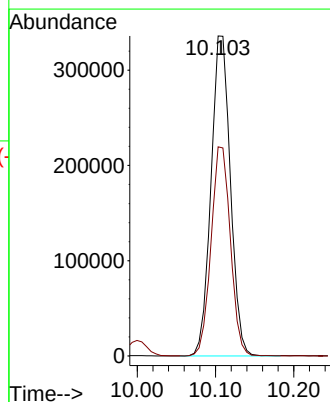
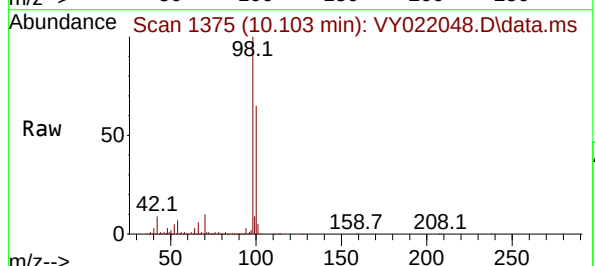
Acq: 29 Apr 2025 10:31

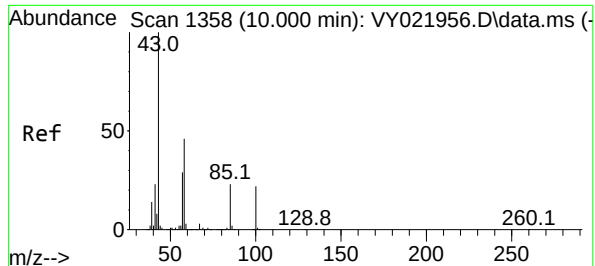
Tgt Ion: 98 Resp: 577886

Ion Ratio Lower Upper

98 100

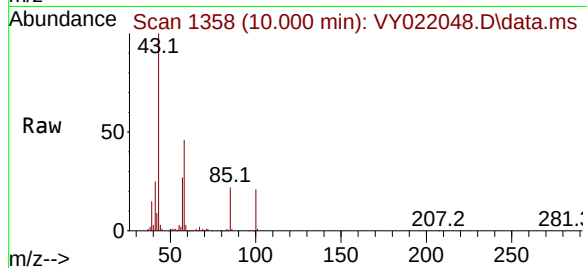
100 65.1 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 91.148 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

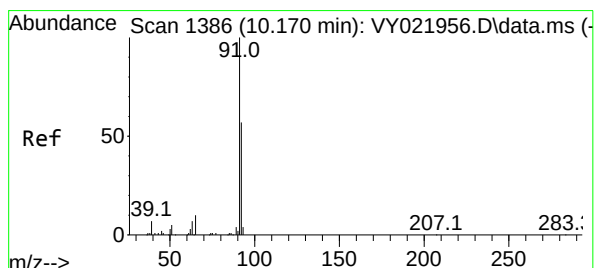
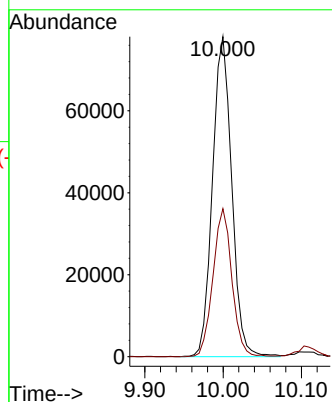
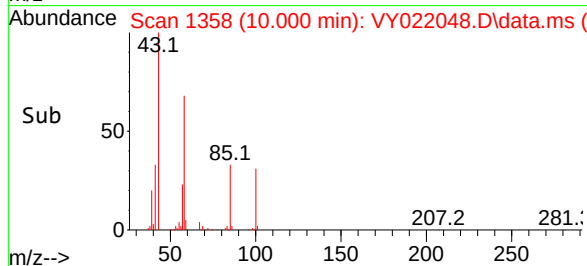
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion: 43 Resp: 13324
Ion Ratio Lower Upper
43 100
58 45.6 36.6 55.0

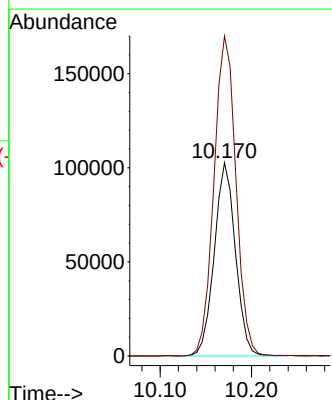
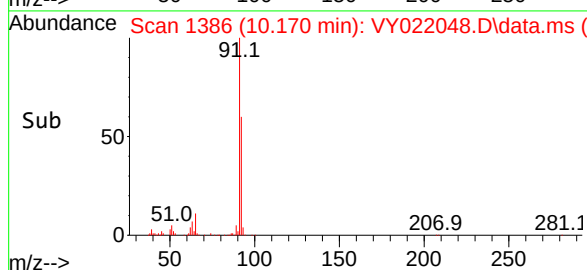
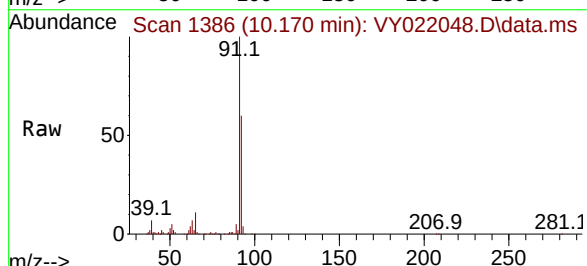
Manual Integrations
APPROVED

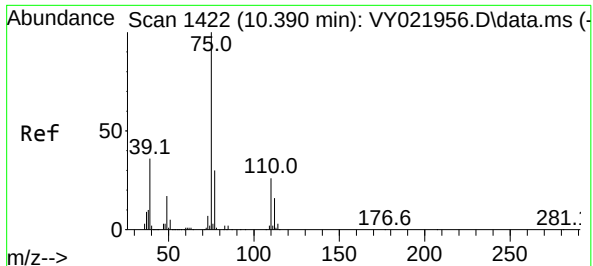
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Toluene
Concen: 20.141 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 92 Resp: 164777
Ion Ratio Lower Upper
92 100
91 172.8 138.6 207.8





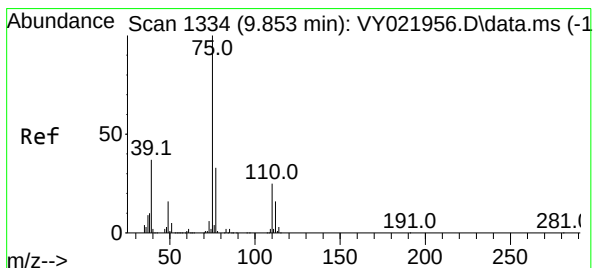
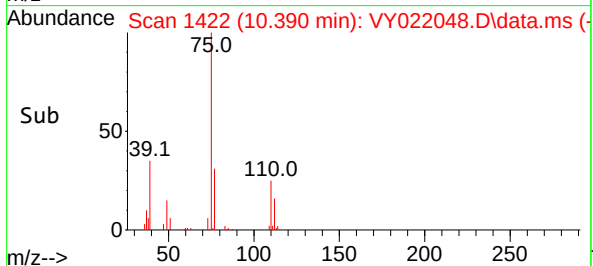
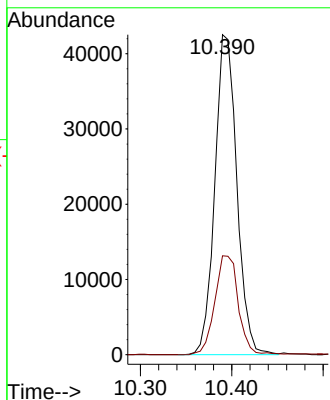
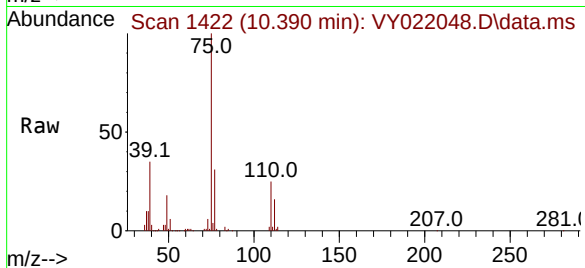
#53
t-1,3-Dichloropropene
Concen: 19.011 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 75 Resp: 7127
Ion Ratio Lower Upper
75 100
77 30.9 24.0 36.0

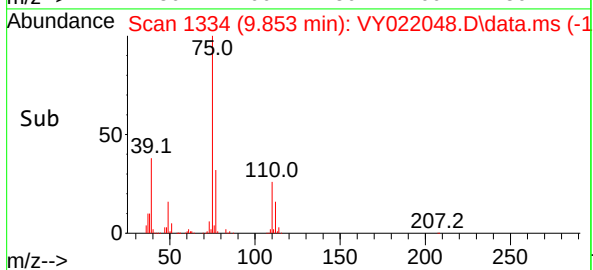
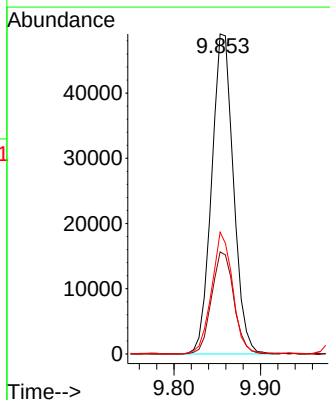
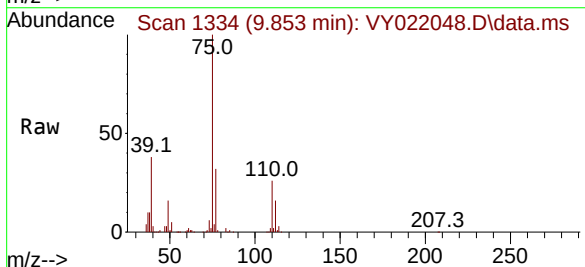
Manual Integrations
APPROVED

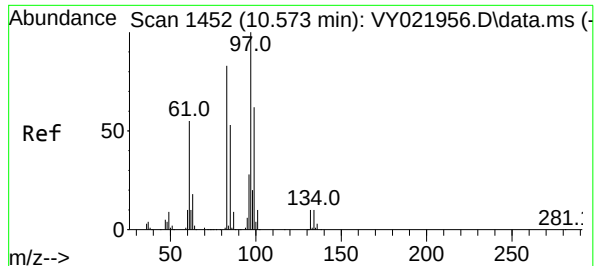
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#54
cis-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

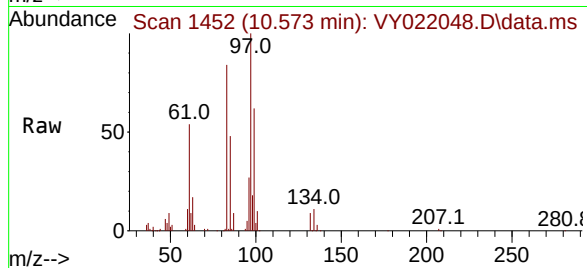
Tgt Ion: 75 Resp: 85968
Ion Ratio Lower Upper
75 100
77 31.9 26.6 40.0
39 38.1 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.140 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

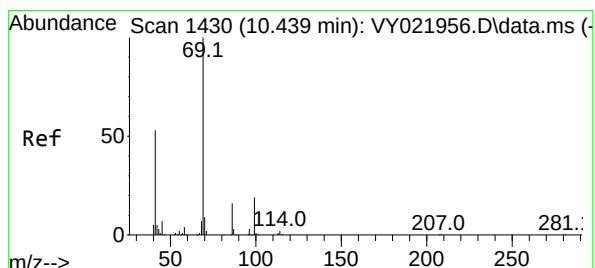
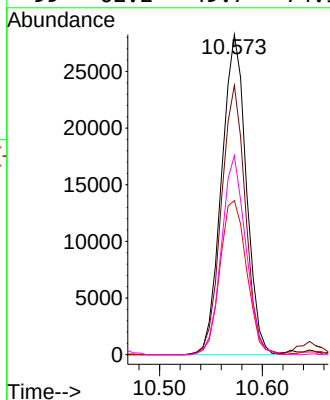
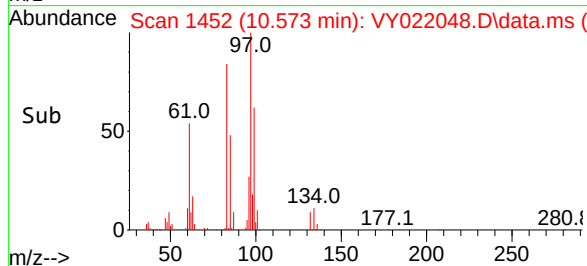
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



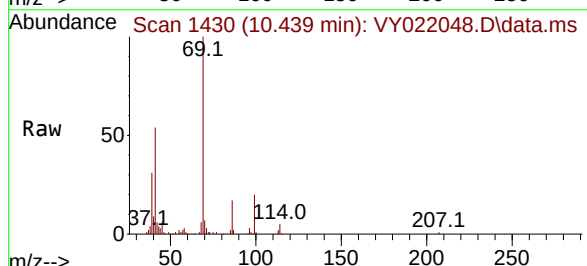
Tgt Ion: 97 Resp: 47069
Ion Ratio Lower Upper
97 100
83 84.1 66.7 100.1
85 48.1 42.6 64.0
99 62.2 49.7 74.5

Manual Integrations
APPROVED

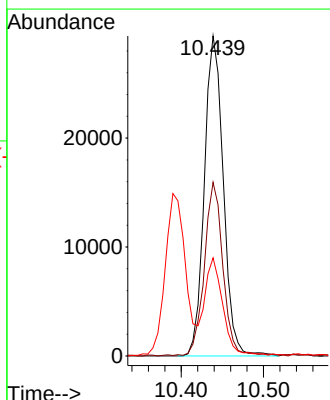
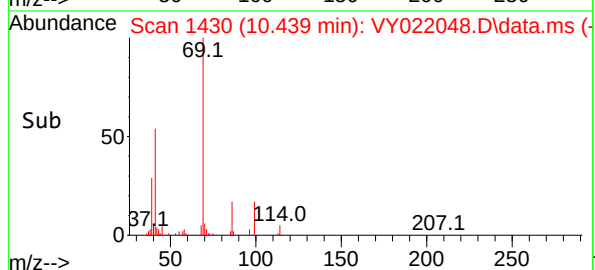
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

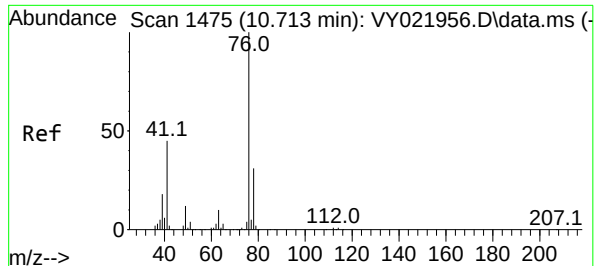


#56
Ethyl methacrylate
Concen: 17.613 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31



Tgt Ion: 69 Resp: 47072
Ion Ratio Lower Upper
69 100
41 53.7 40.7 61.1
39 28.4 23.3 34.9





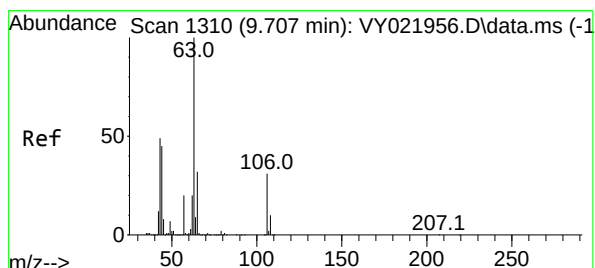
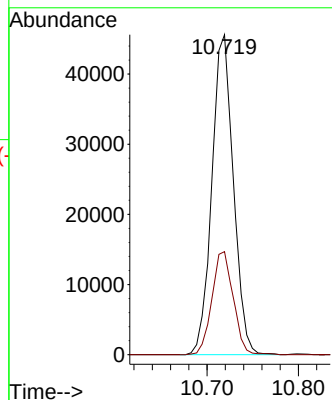
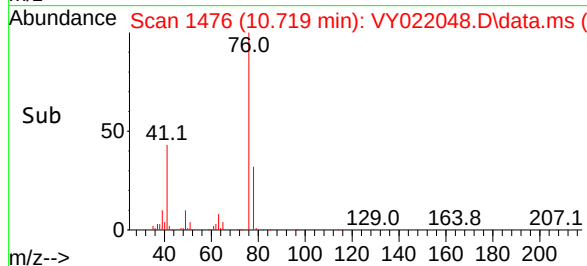
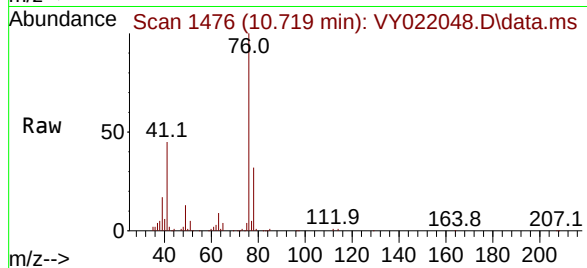
#57
1,3-Dichloropropane
Concen: 19.886 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 76 Resp: 7450
Ion Ratio Lower Upper
76 100
78 31.9 26.6 39.8

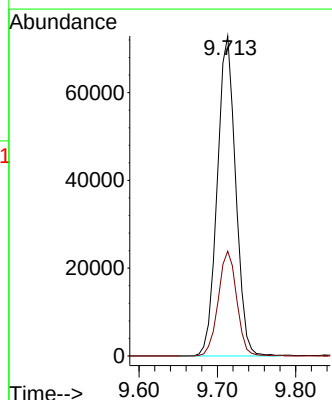
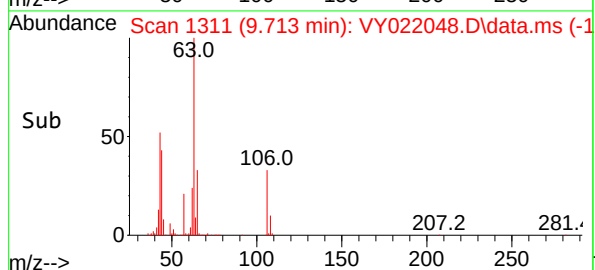
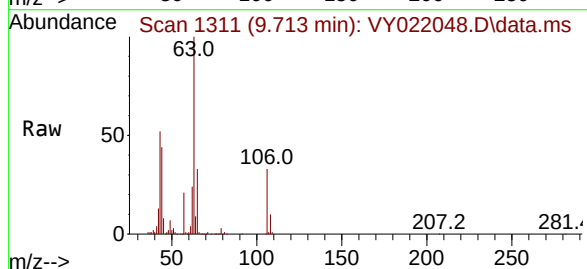
Manual Integrations
APPROVED

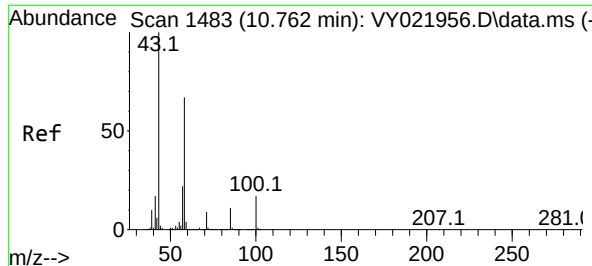
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#58
2-Chloroethyl Vinyl ether
Concen: 91.185 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

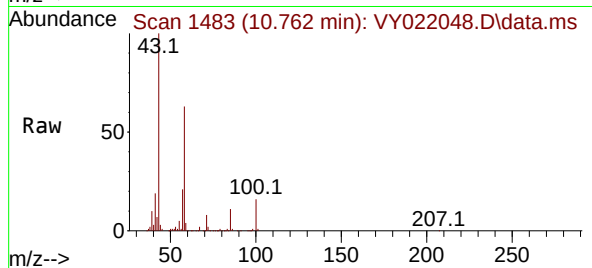
Tgt Ion: 63 Resp: 119153
Ion Ratio Lower Upper
63 100
106 32.8 25.3 37.9





#59
2-Hexanone
Concen: 86.992 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

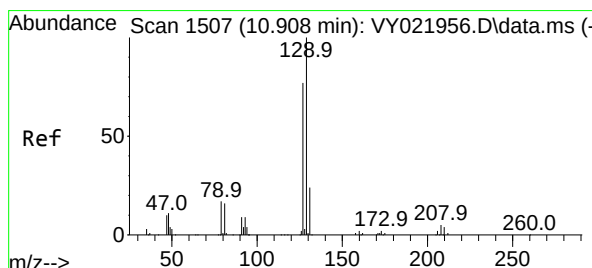
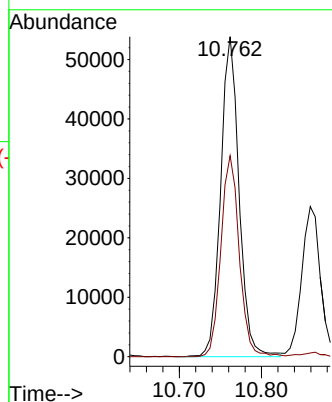
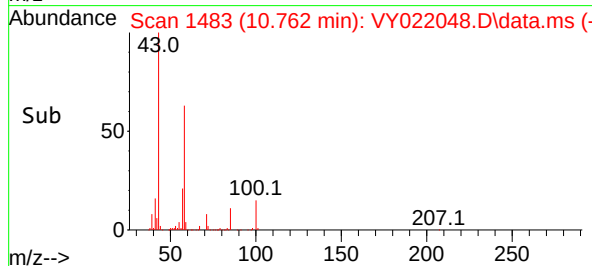
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



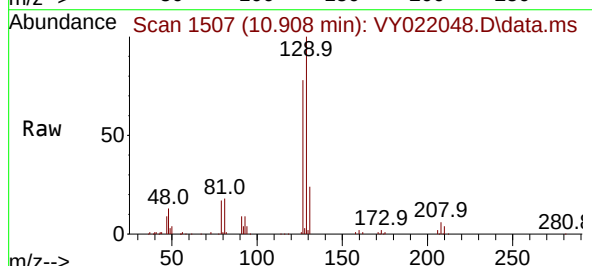
Tgt Ion: 43 Resp: 8387
Ion Ratio Lower Upper
43 100
58 62.6 32.0 96.0

Manual Integrations
APPROVED

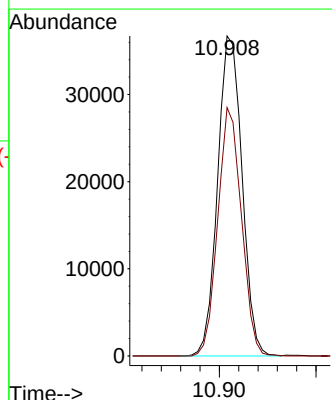
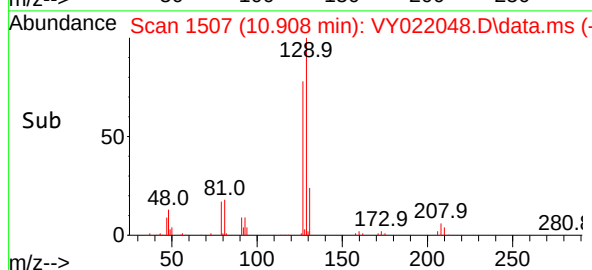
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

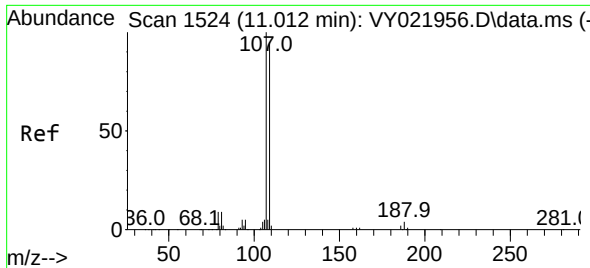


#60
Dibromochloromethane
Concen: 19.894 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31



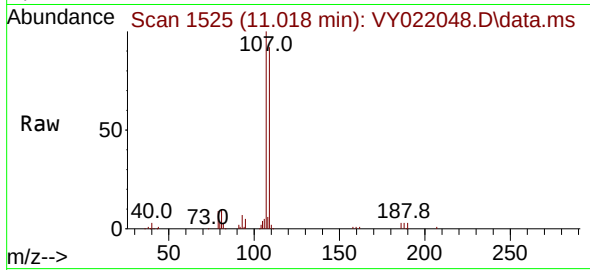
Tgt Ion:129 Resp: 64371
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.3





#61
1,2-Dibromoethane
Concen: 19.774 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

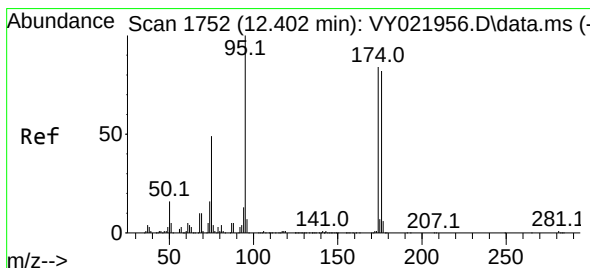
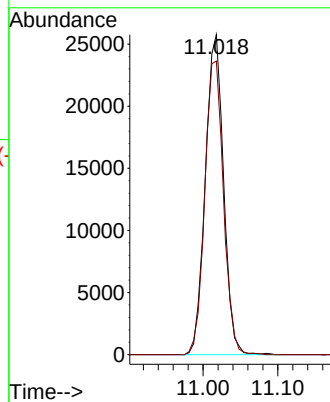
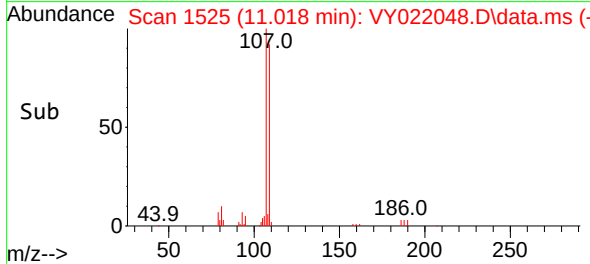
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



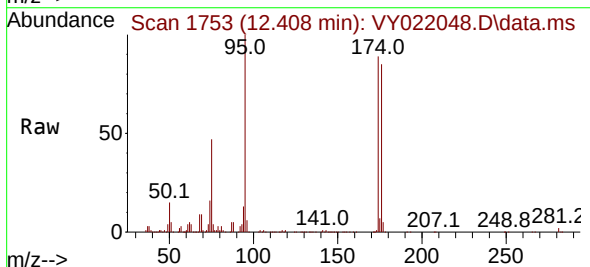
Tgt Ion:107 Resp: 43629
Ion Ratio Lower Upper
107 100
109 94.4 75.8 113.8

Manual Integrations
APPROVED

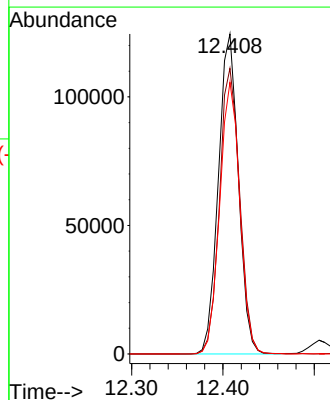
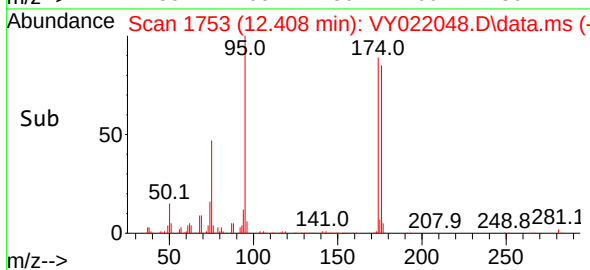
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

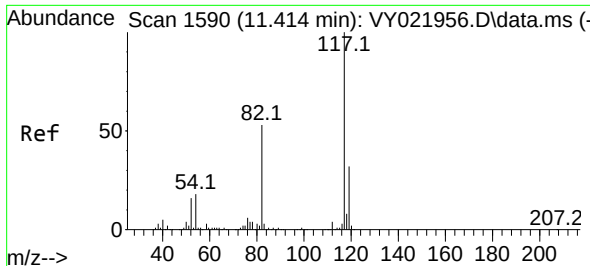


#62
4-Bromofluorobenzene
Concen: 49.628 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31



Tgt Ion: 95 Resp: 189577
Ion Ratio Lower Upper
95 100
174 90.2 0.0 179.0
176 85.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion:117 Resp: 411300

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

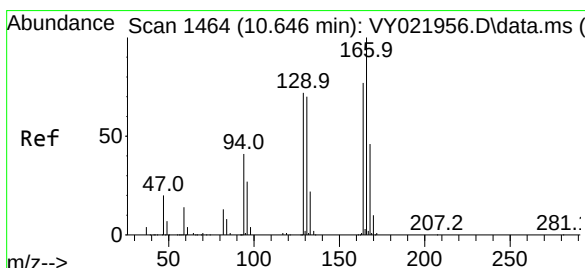
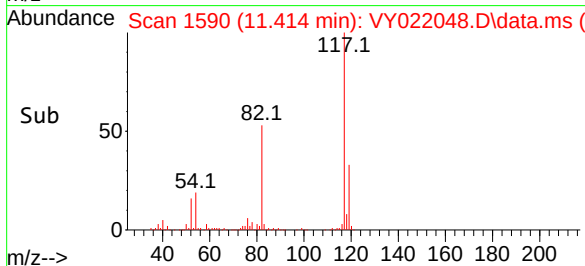
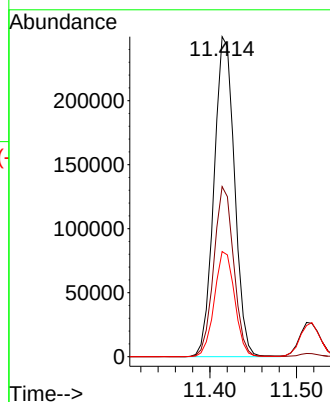
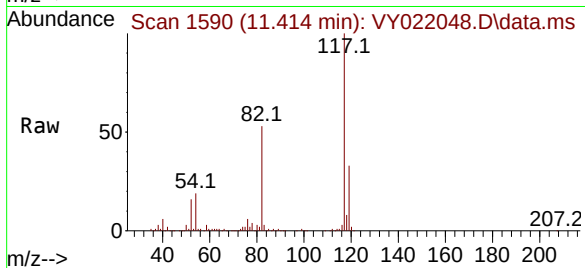
119 32.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#64

Tetrachloroethene

Concen: 20.941 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:164 Resp: 81253

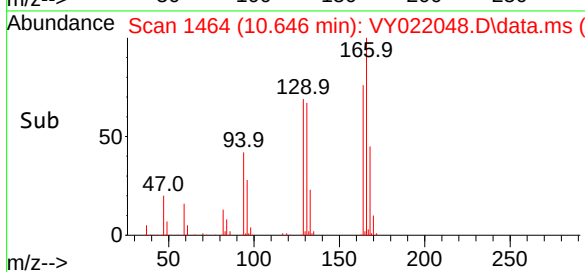
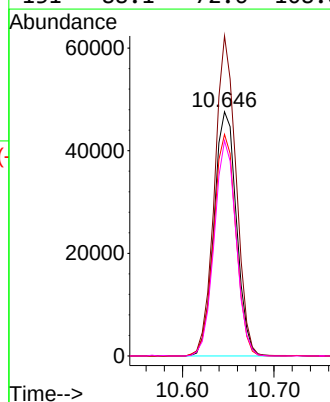
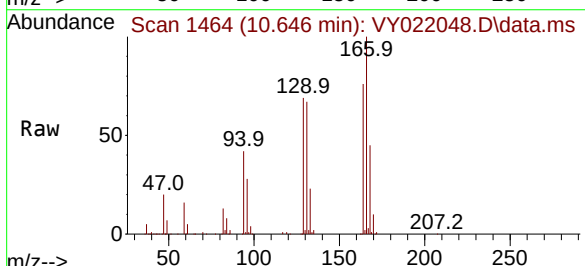
Ion Ratio Lower Upper

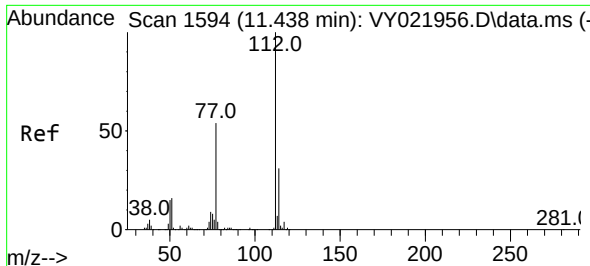
164 100

166 131.1 103.6 155.4

129 90.8 74.2 111.4

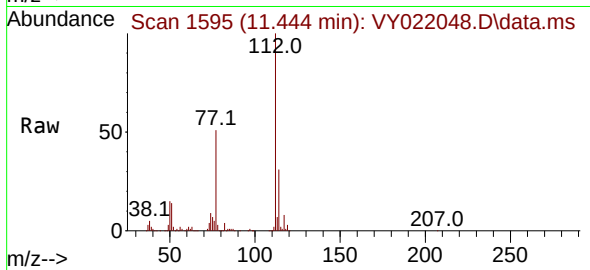
131 88.1 72.6 108.8





#65
Chlorobenzene
Concen: 19.792 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

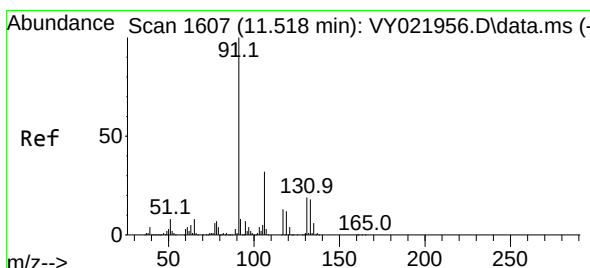
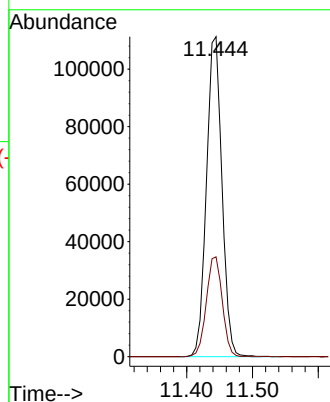
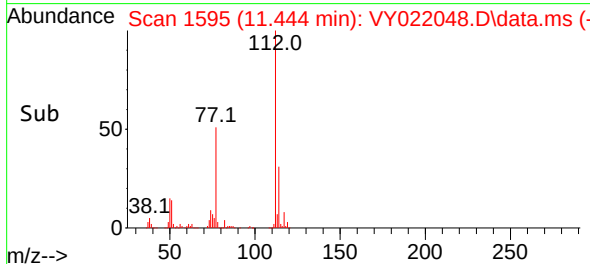
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion:112 Resp: 18204
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

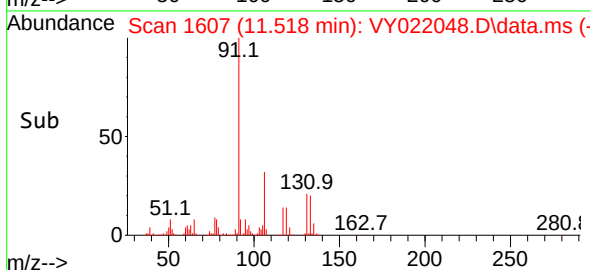
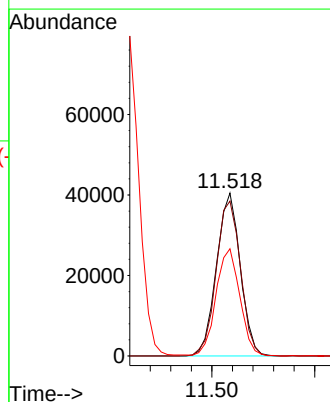
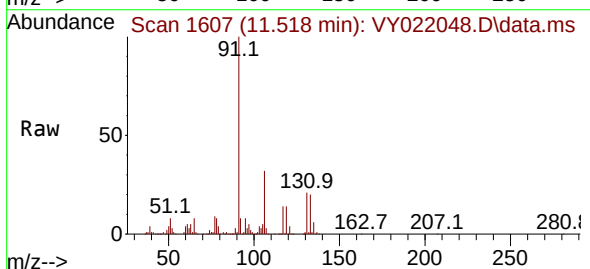
Manual Integrations
APPROVED

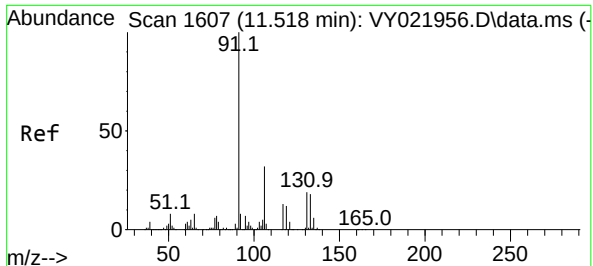
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.058 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

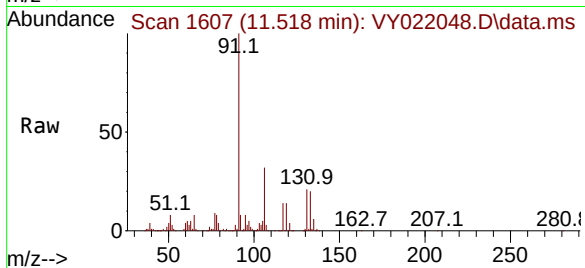
Tgt Ion:131 Resp: 64950
Ion Ratio Lower Upper
131 100
133 97.3 47.8 143.3
119 66.2 32.4 97.0





#67
Ethyl Benzene
Concen: 19.443 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

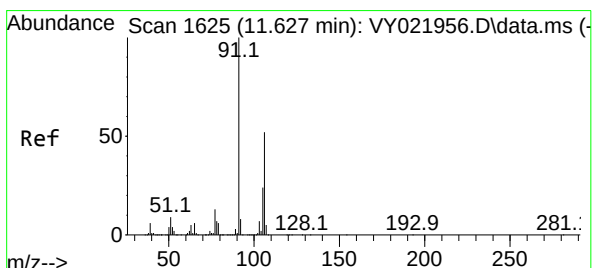
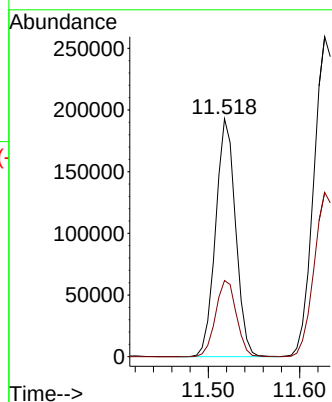
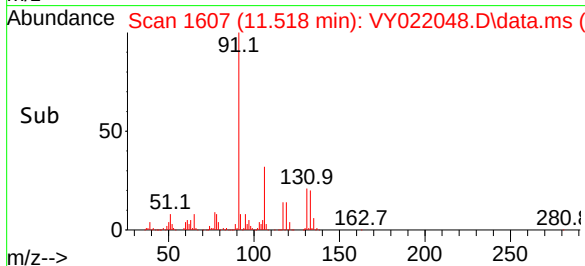
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



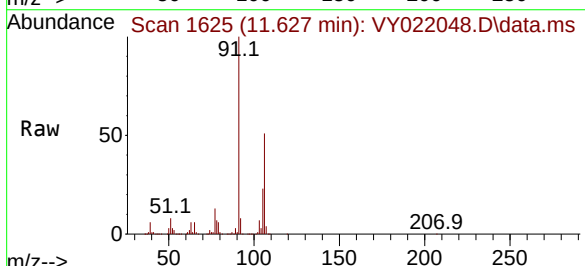
Tgt Ion: 91 Resp: 292538
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9

Manual Integrations
APPROVED

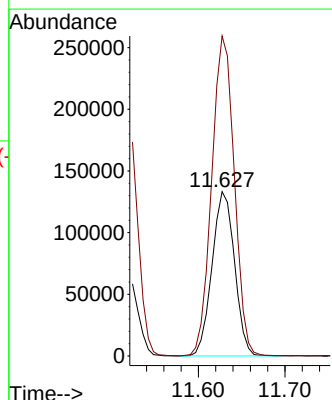
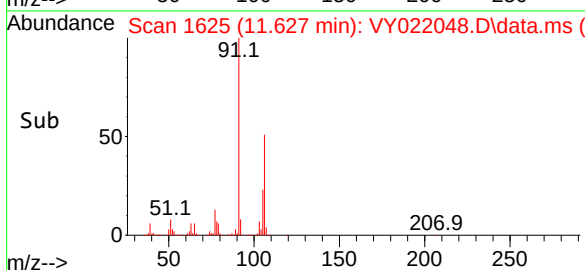
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

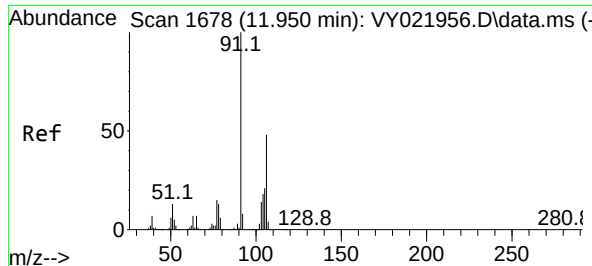


#68
m/p-Xylenes
Concen: 40.178 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31



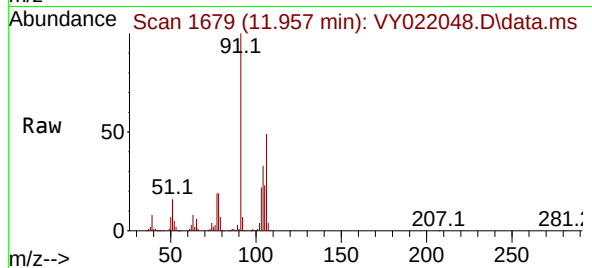
Tgt Ion:106 Resp: 240556
Ion Ratio Lower Upper
106 100
91 195.3 156.2 234.2





#69
o-Xylene
Concen: 19.172 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

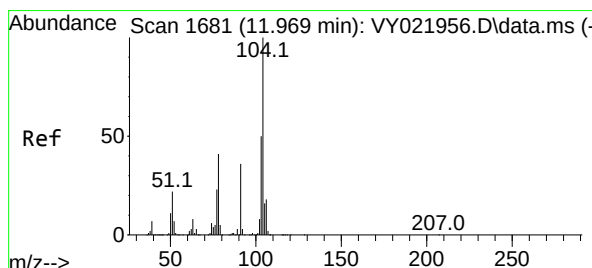
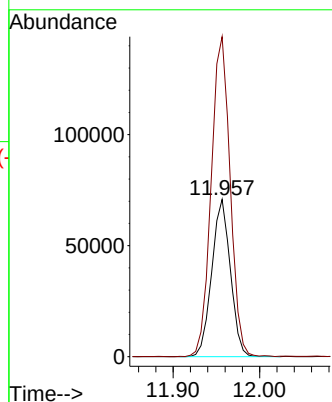
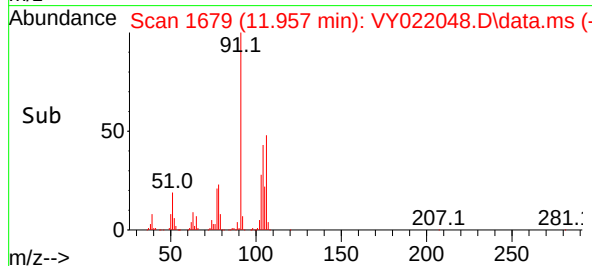
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion:106 Resp: 105800
Ion Ratio Lower Upper
106 100
91 207.6 103.0 308.9

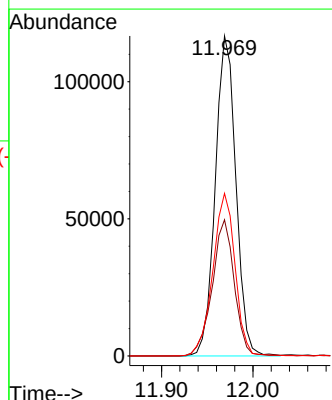
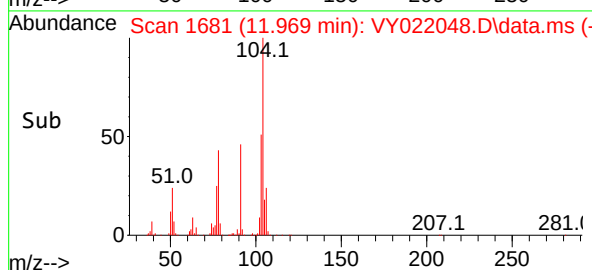
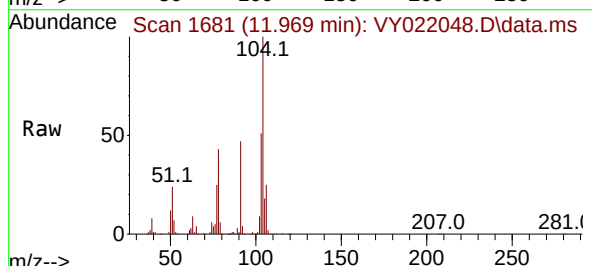
Manual Integrations
APPROVED

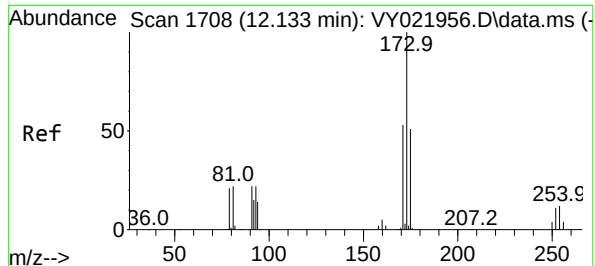
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#70
Styrene
Concen: 19.770 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:104 Resp: 183180
Ion Ratio Lower Upper
104 100
78 45.6 36.6 54.8
103 54.8 43.8 65.8





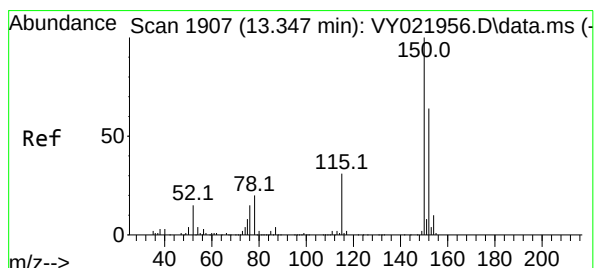
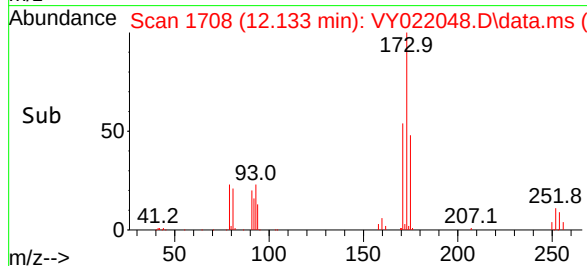
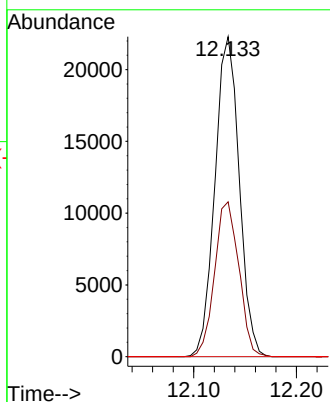
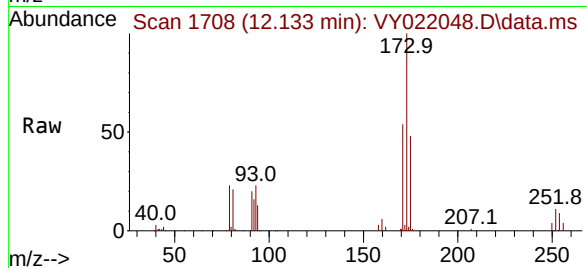
#71
Bromoform
Concen: 19.415 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:173 Resp: 3655
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.8
254 0.0 0.0 0.0

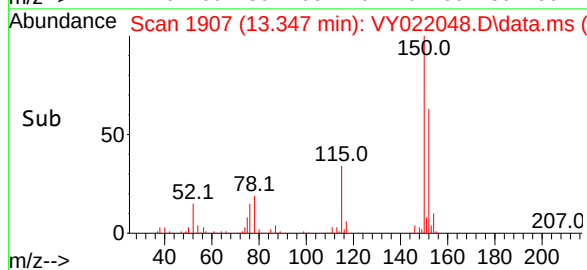
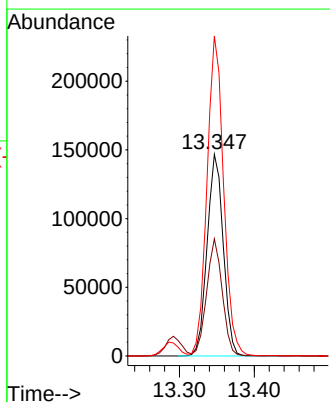
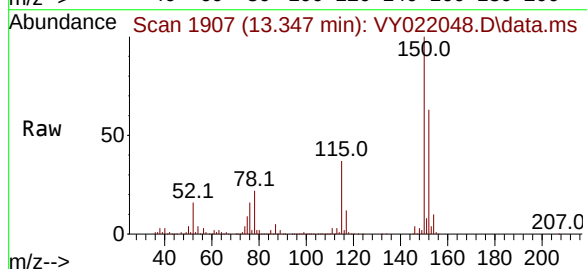
Manual Integrations
APPROVED

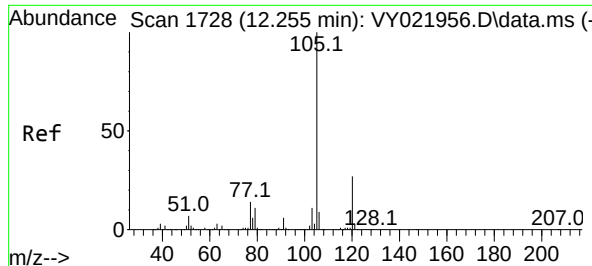
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:152 Resp: 220609
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 163.0 0.0 345.6





#73

Isopropylbenzene

Concen: 19.126 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion:105 Resp: 28190

Ion Ratio Lower Upper

105 100

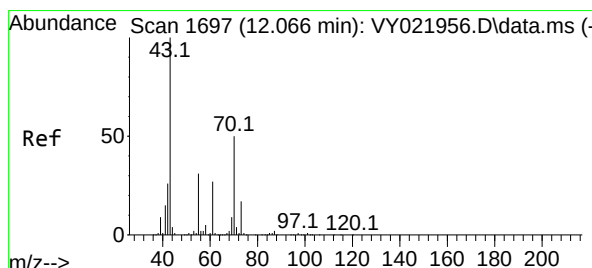
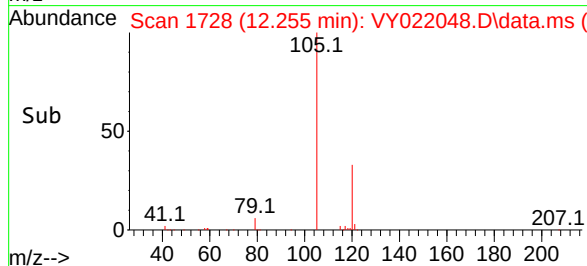
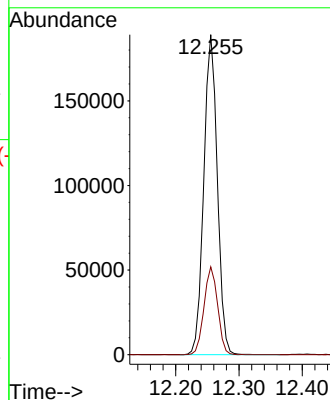
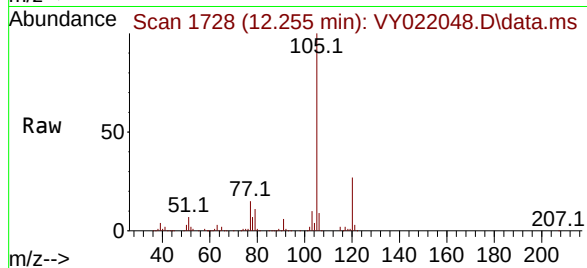
120 27.5 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#74

N-ethyl acetate

Concen: 16.664 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 42199

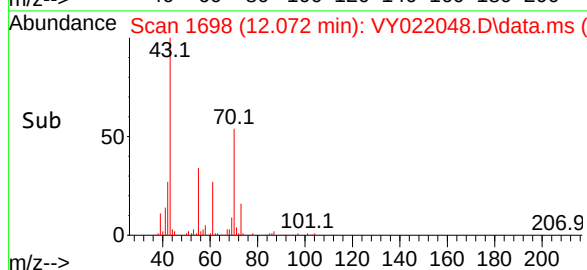
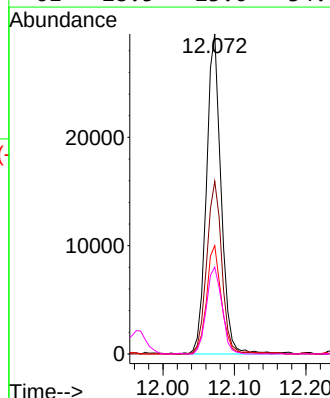
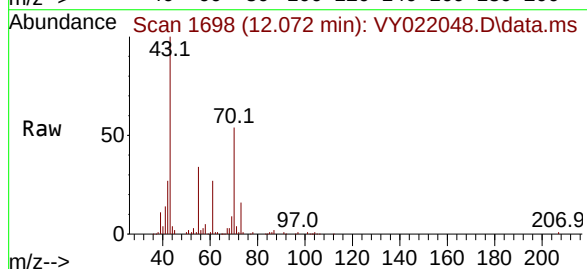
Ion Ratio Lower Upper

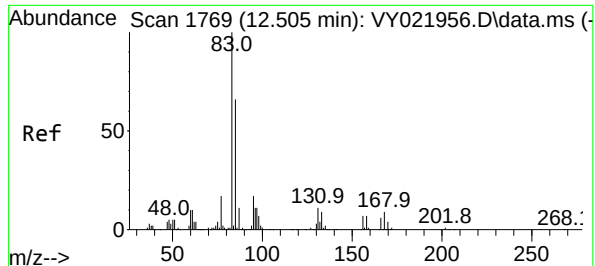
43 100

70 55.3 43.2 64.8

55 34.4 25.7 38.5

61 28.5 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.146 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

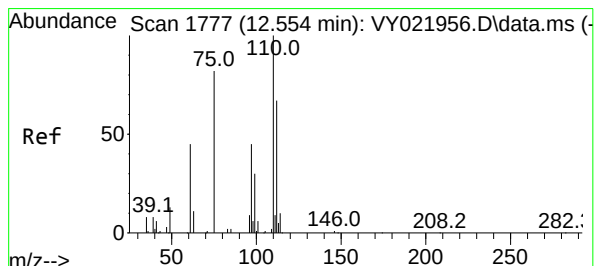
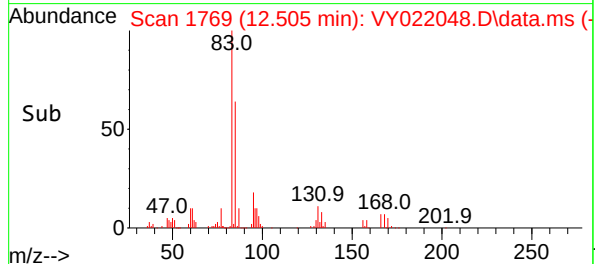
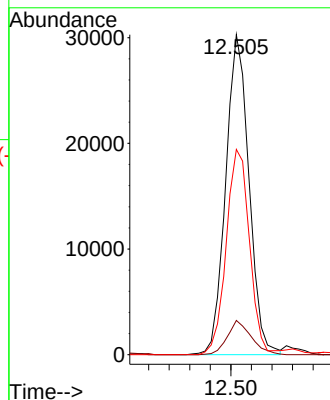
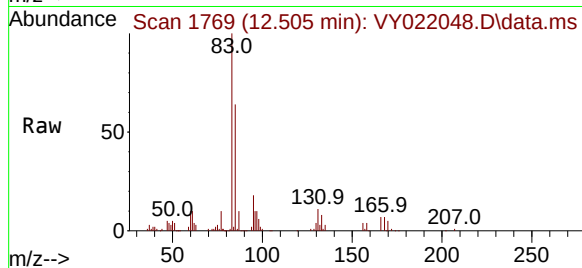
VY0429SBS01

Tgt Ion: 83	Resp: 47578
Ion Ratio	Lower Upper
83 100	
131 11.0	5.5 16.4
85 64.3	32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#76

1,2,3-Trichloropropane

Concen: 18.871 ug/l m

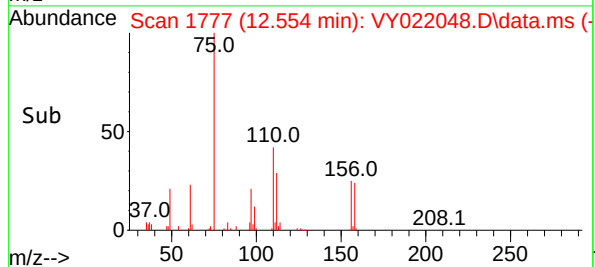
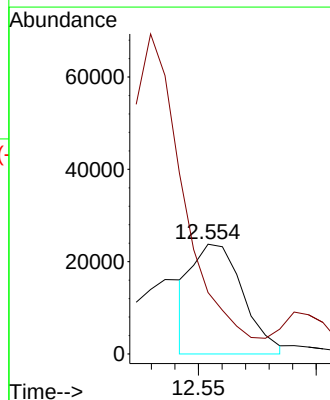
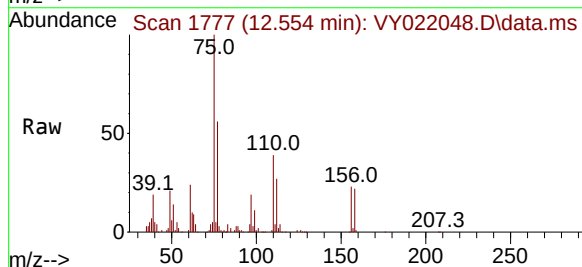
RT: 12.554 min Scan# 1777

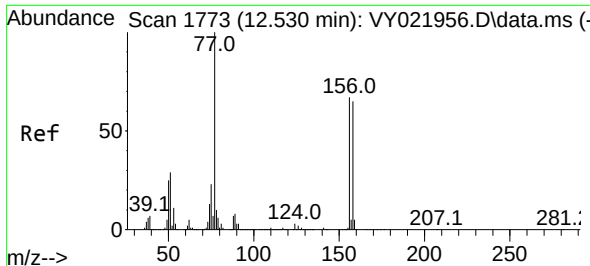
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

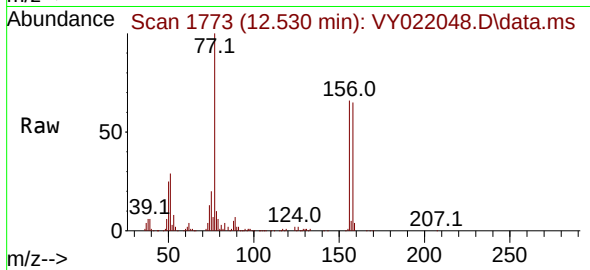
Tgt Ion: 75	Resp: 35659
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77
Bromobenzene
Concen: 19.665 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

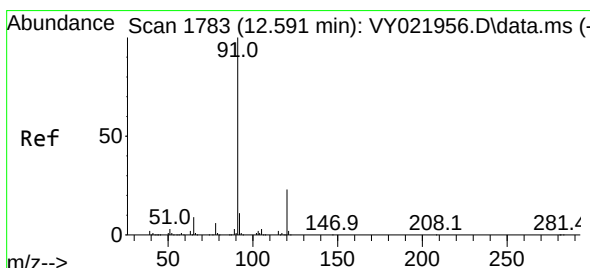
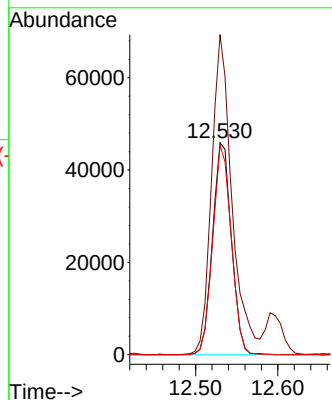
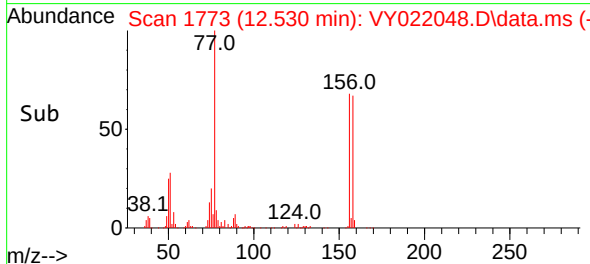
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion:156 Resp: 73239
Ion Ratio Lower Upper
156 100
77 163.5 82.7 248.1
158 97.0 48.1 144.4

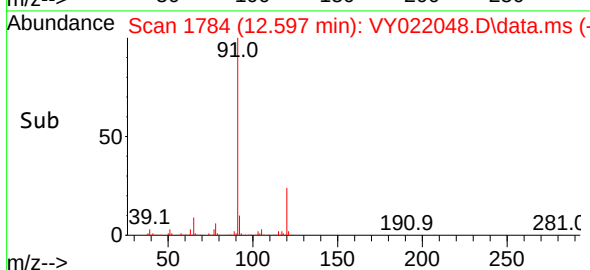
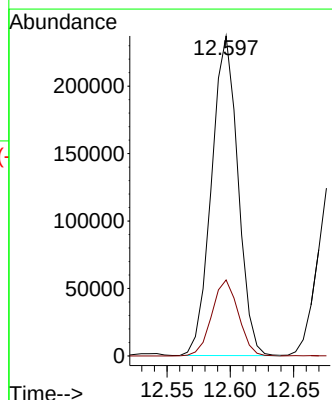
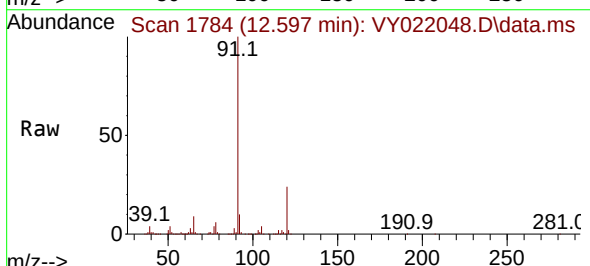
Manual Integrations
APPROVED

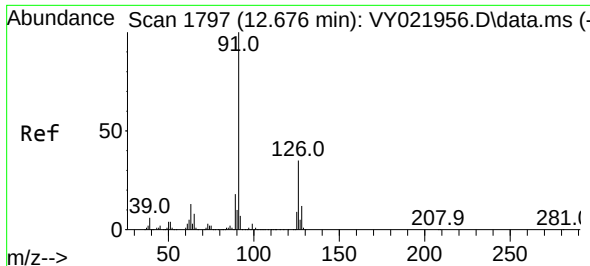
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#78
n-propylbenzene
Concen: 19.616 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

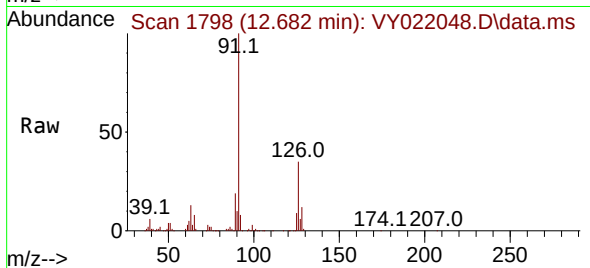
Tgt Ion: 91 Resp: 344311
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.5





#79
2-Chlorotoluene
Concen: 19.600 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

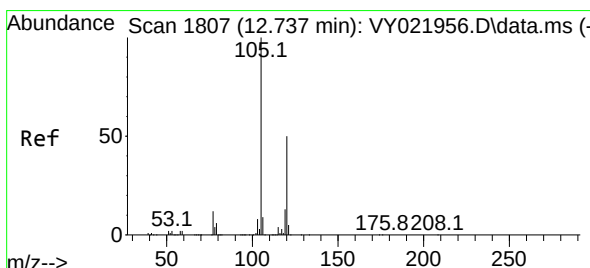
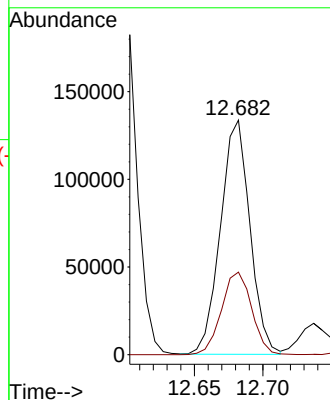
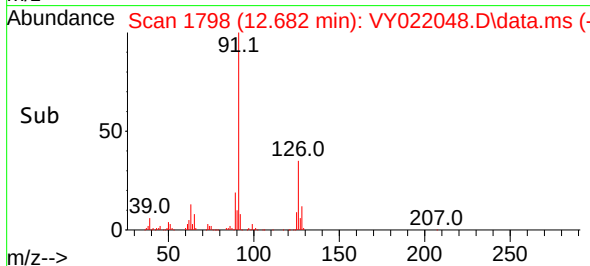
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion: 91 Resp: 200069
Ion Ratio Lower Upper
91 100
126 36.1 17.9 53.8

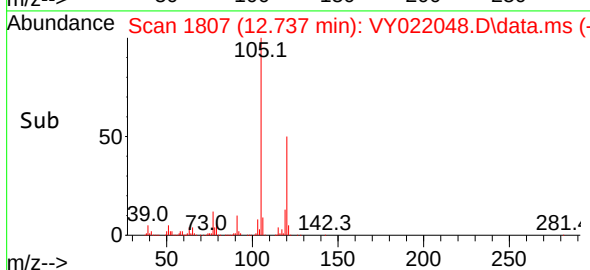
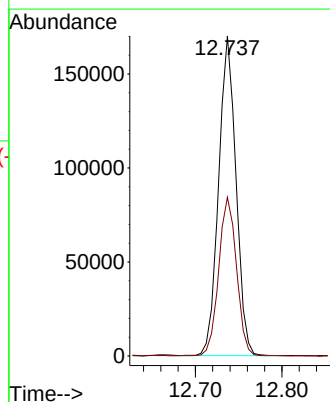
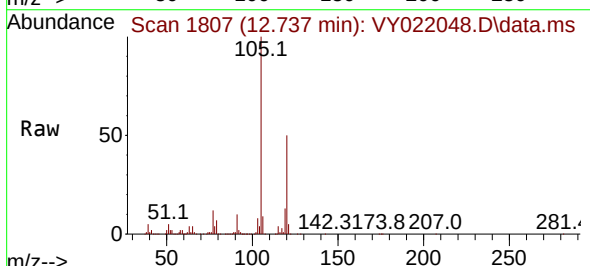
Manual Integrations
APPROVED

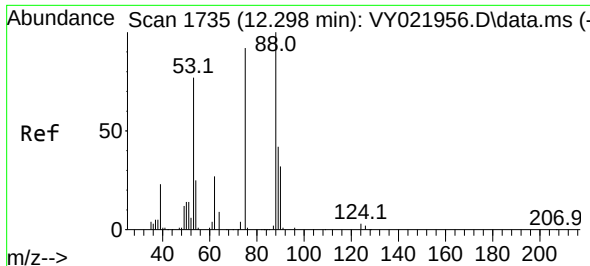
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.536 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

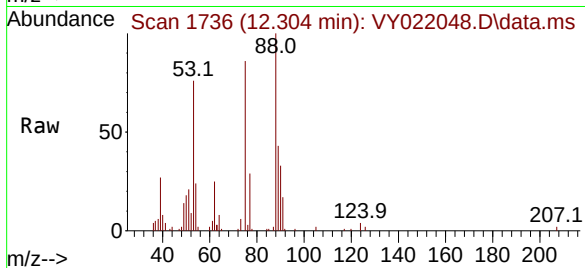
Tgt Ion:105 Resp: 237244
Ion Ratio Lower Upper
105 100
120 50.6 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.558 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

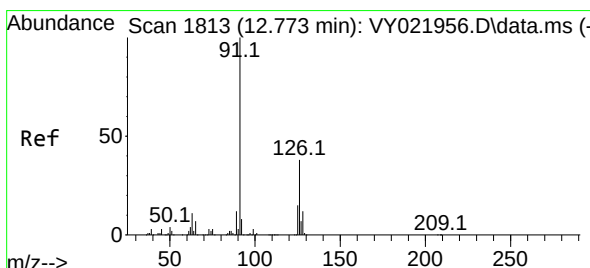
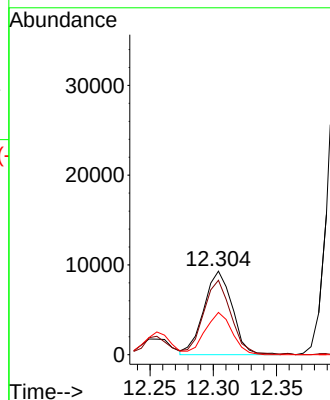
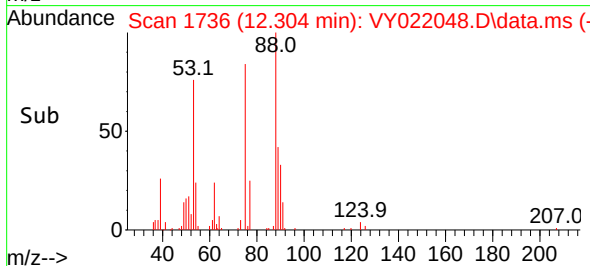
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01



Tgt Ion: 75 Resp: 14562
Ion Ratio Lower Upper
75 100
53 86.7 66.0 99.0
89 47.3 37.2 55.8

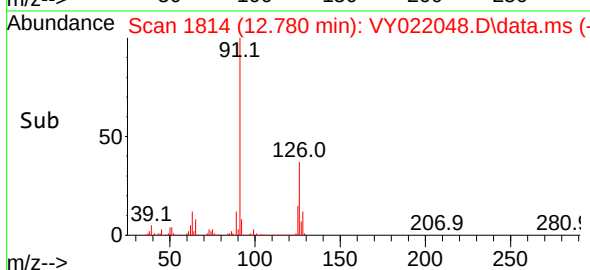
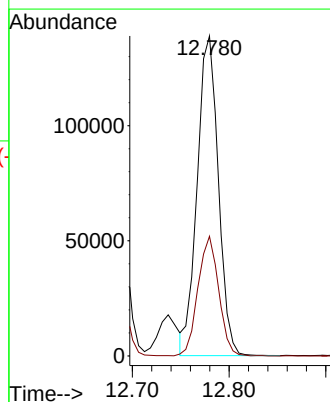
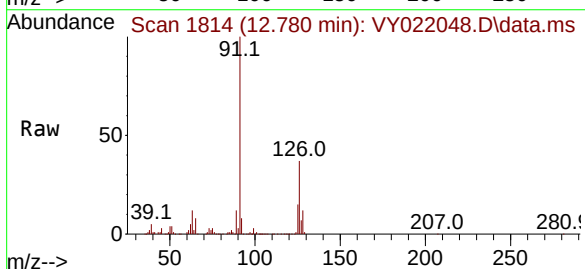
Manual Integrations
APPROVED

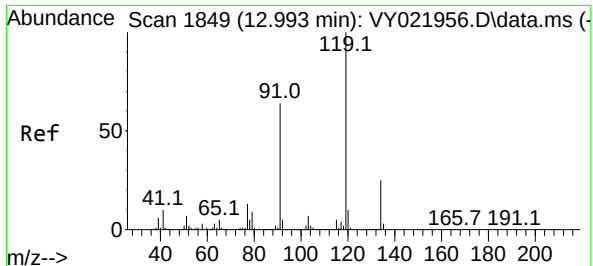
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#82
4-Chlorotoluene
Concen: 19.868 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 210828
Ion Ratio Lower Upper
91 100
126 36.9 17.9 53.8





#83

tert-Butylbenzene

Concen: 18.929 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tgt Ion:119 Resp: 206168

Ion Ratio Lower Upper

119 100

91 62.2 30.3 90.9

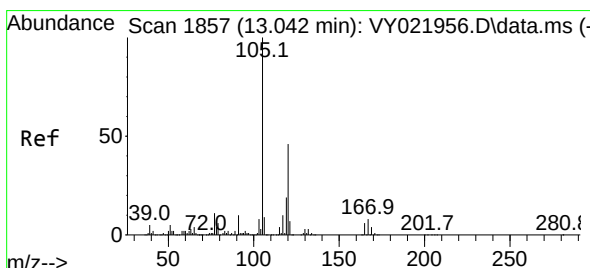
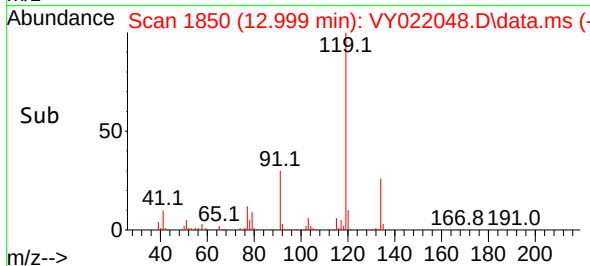
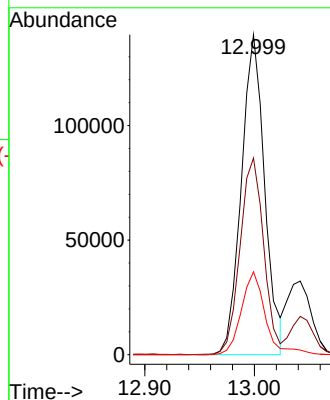
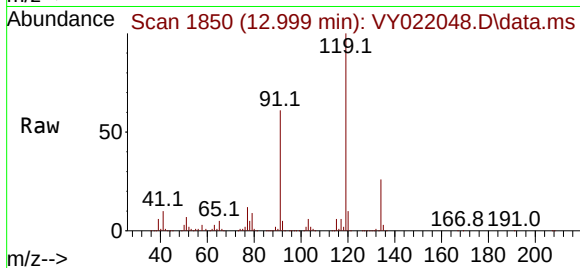
134 26.7 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.614 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022048.D

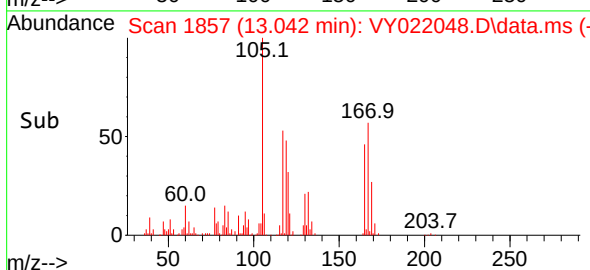
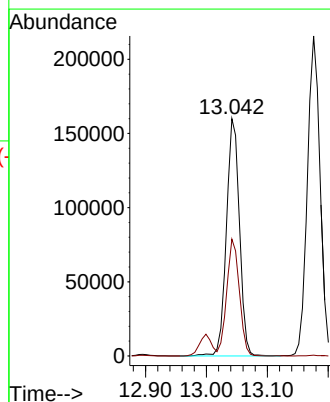
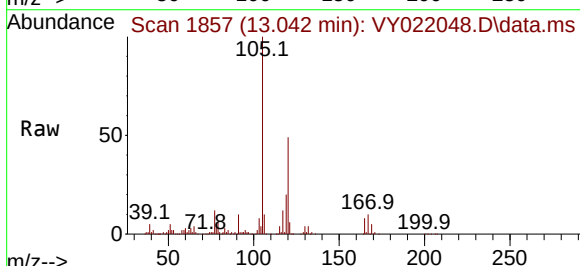
Acq: 29 Apr 2025 10:31

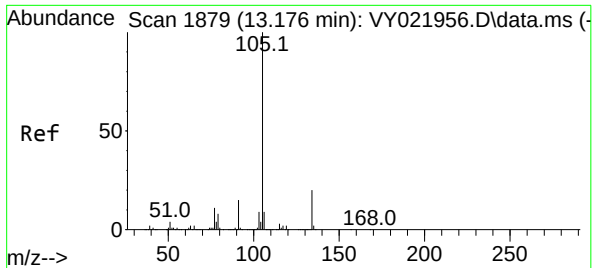
Tgt Ion:105 Resp: 238254

Ion Ratio Lower Upper

105 100

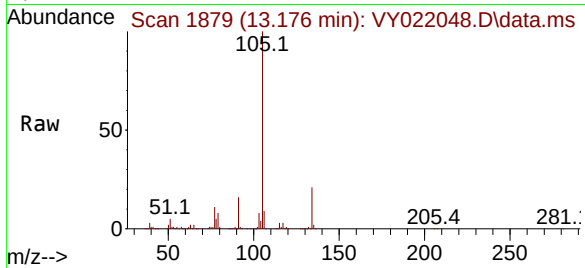
120 47.5 23.4 70.0





#85
 sec-Butylbenzene
 Concen: 19.572 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY022048.D
 Acq: 29 Apr 2025 10:31

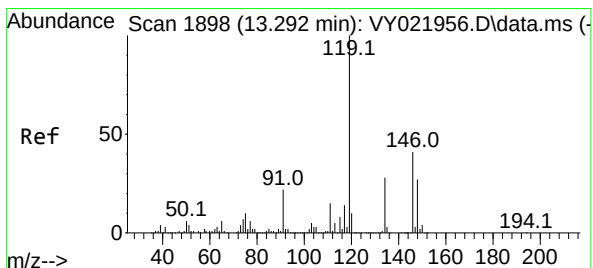
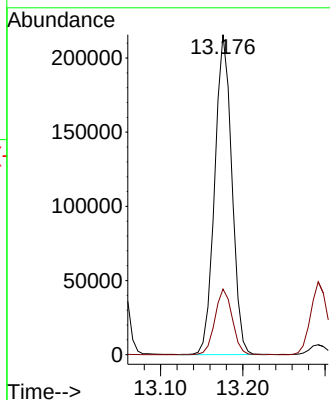
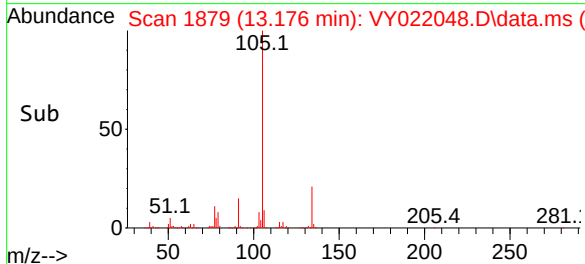
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01



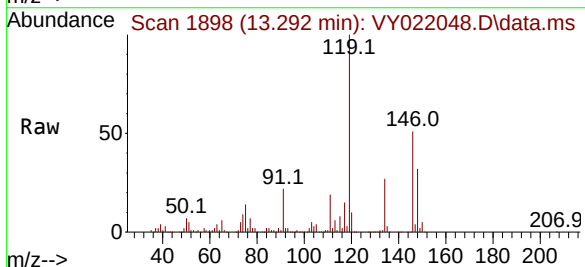
Tgt Ion:105 Resp: 311925
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9

Manual Integrations
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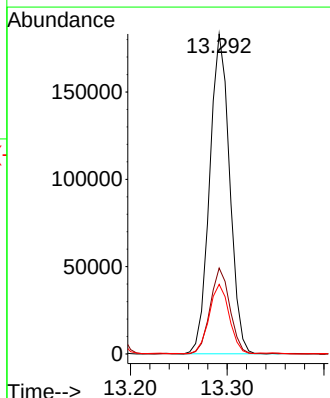
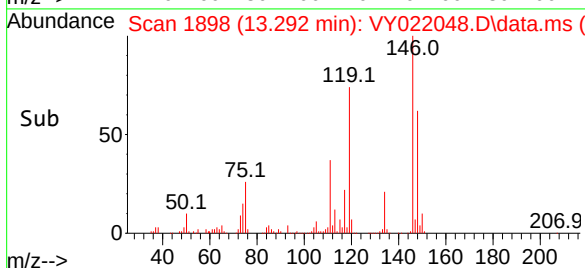
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

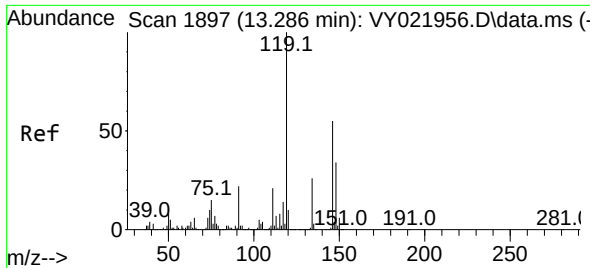


#86
 p-Isopropyltoluene
 Concen: 19.412 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022048.D
 Acq: 29 Apr 2025 10:31



Tgt Ion:119 Resp: 262713
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.6 40.7
 91 21.7 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.576 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

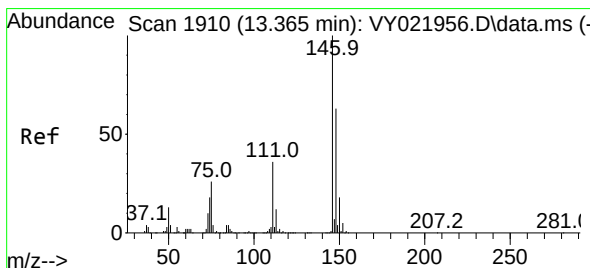
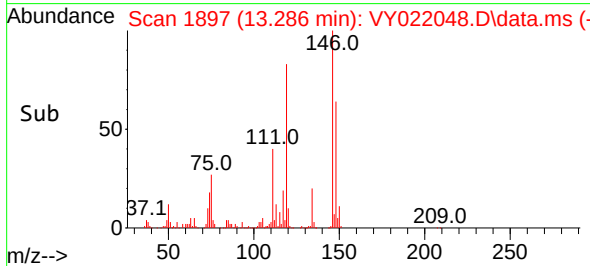
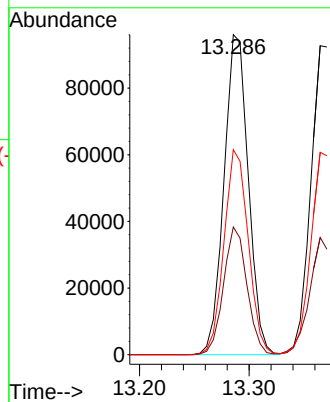
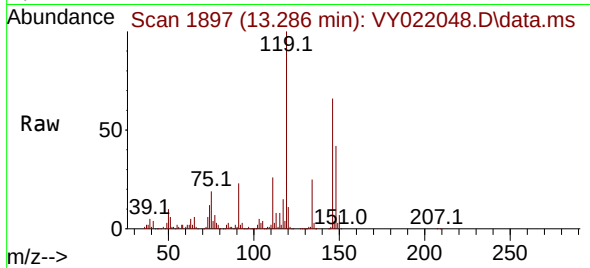
VY0429SBS01

Tgt Ion:	146	Resp:	148080
Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	63.9	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#88

1,4-Dichlorobenzene

Concen: 19.474 ug/l

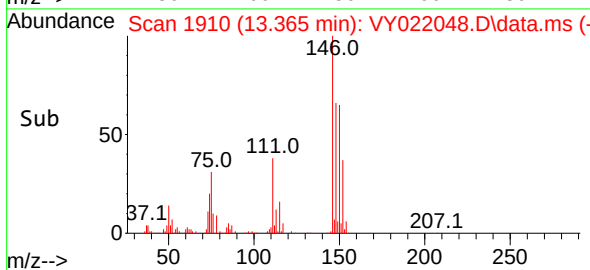
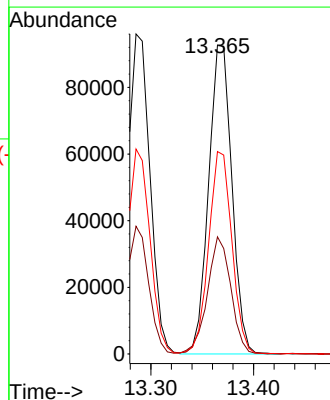
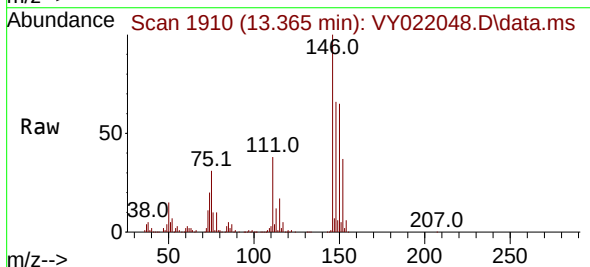
RT: 13.365 min Scan# 1910

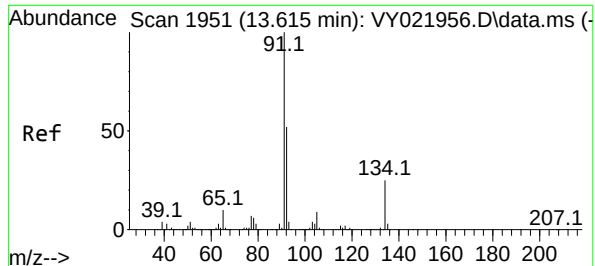
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	146	Resp:	145893
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	65.6	32.0	96.0





#89

n-Butylbenzene

Concen: 18.247 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

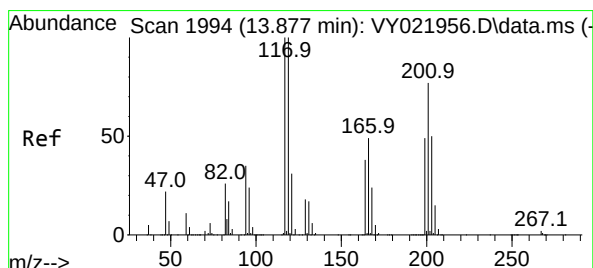
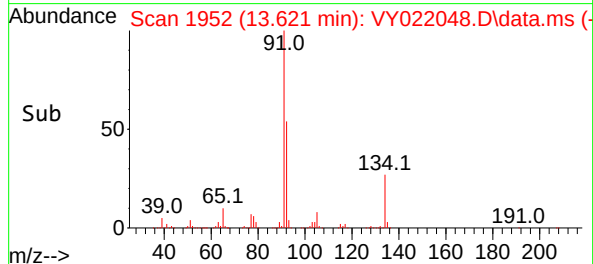
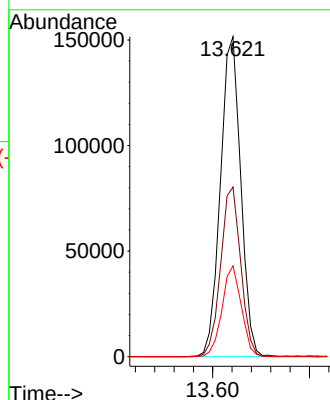
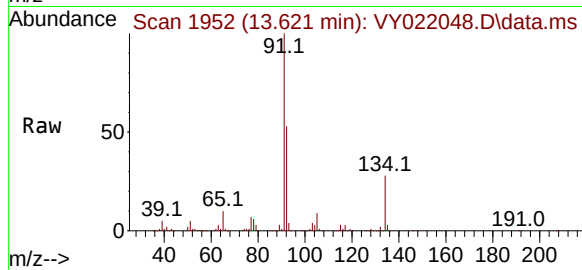
VY0429SBS01

Tgt Ion:	91	Resp:	220728
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.5	79.5
134	27.0	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#90

Hexachloroethane

Concen: 19.525 ug/l

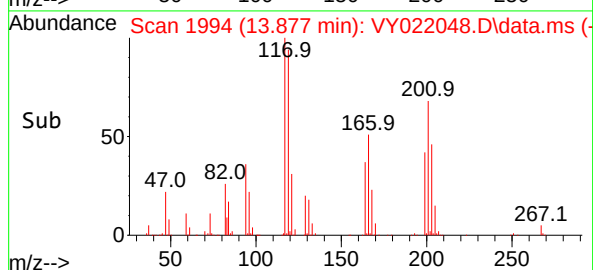
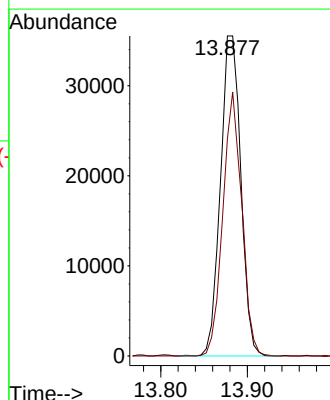
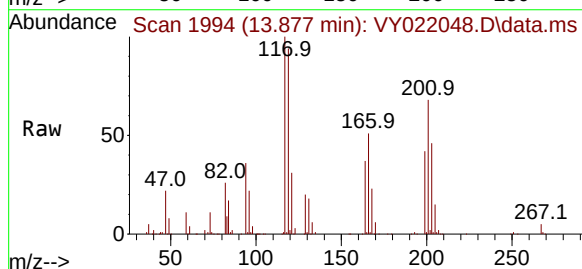
RT: 13.877 min Scan# 1994

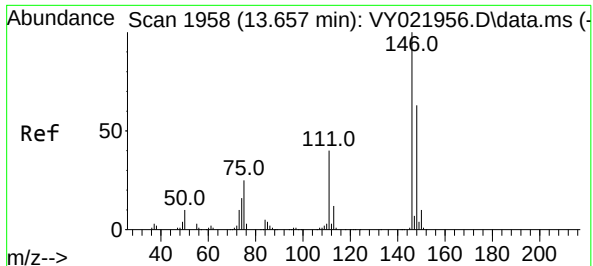
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	117	Resp:	58056
Ion Ratio	Lower	Upper	
117	100		
201	76.5	38.7	116.1





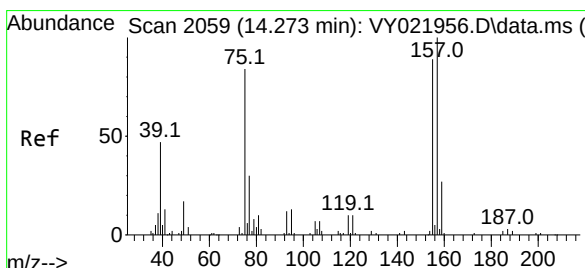
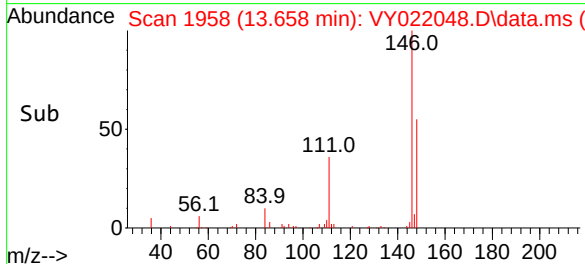
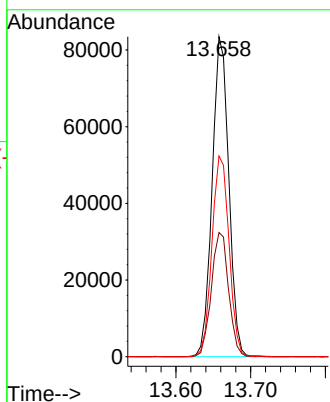
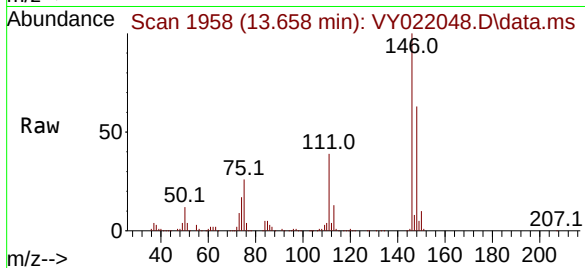
#91
1,2-Dichlorobenzene
Concen: 19.546 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:146 Resp: 128950
Ion Ratio Lower Upper
146 100
111 40.3 19.7 59.1
148 64.5 32.1 96.3

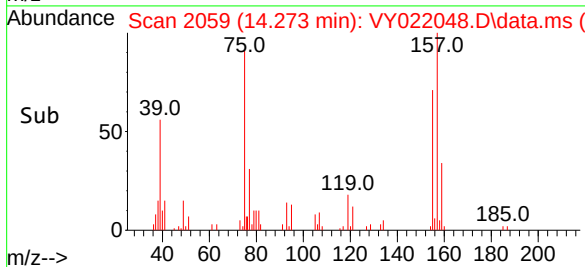
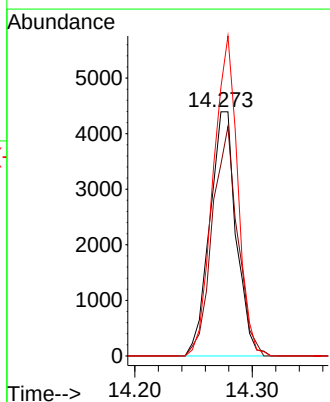
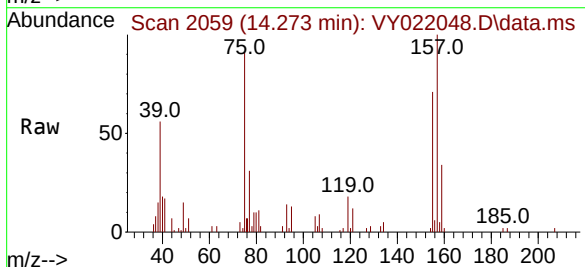
Manual Integrations
APPROVED

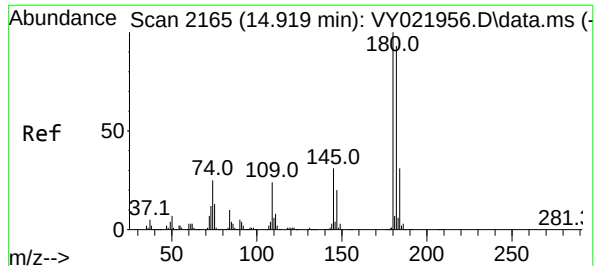
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.400 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 6879
Ion Ratio Lower Upper
75 100
155 89.7 50.7 152.3
157 121.0 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 18.255 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

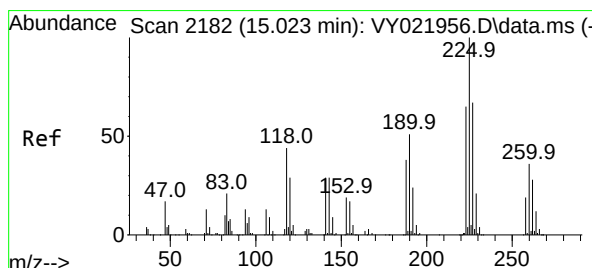
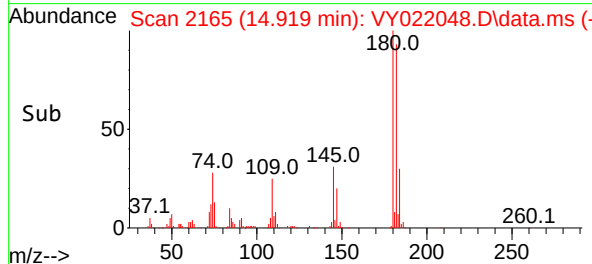
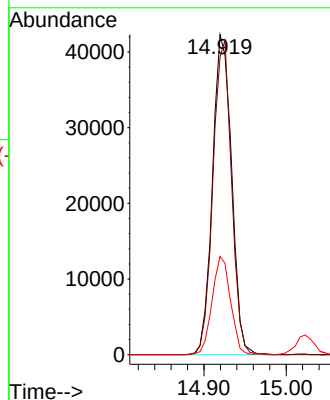
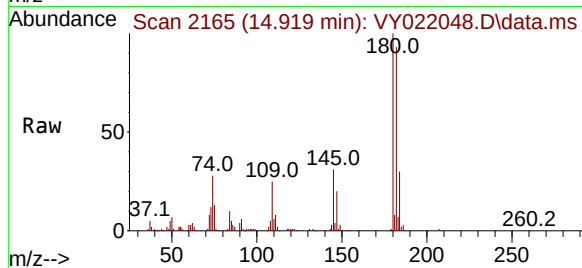
VY0429SBS01

Tgt Ion:	180	Resp:	6824
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.4
145	29.6	15.0	45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#94

Hexachlorobutadiene

Concen: 18.730 ug/l

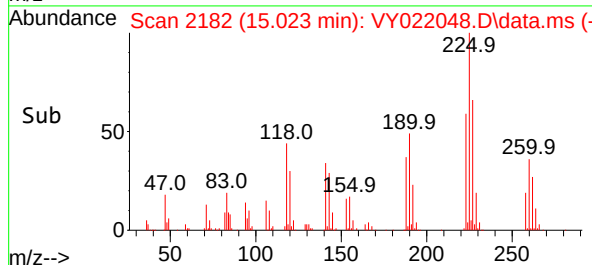
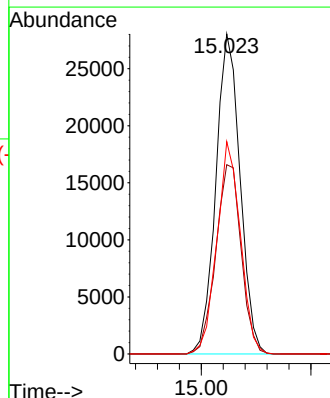
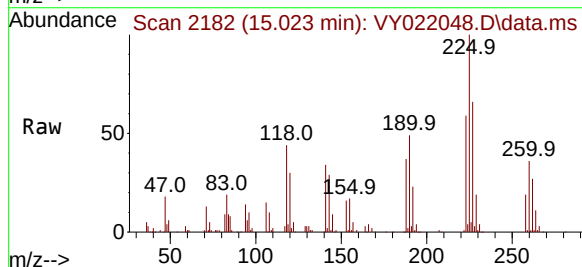
RT: 15.023 min Scan# 2182

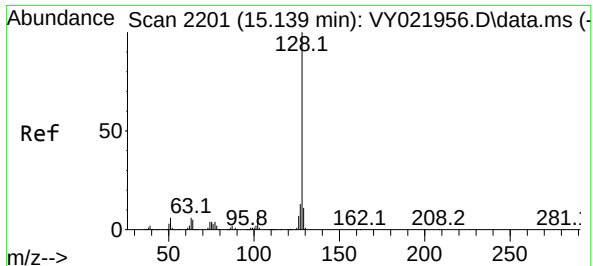
Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:	225	Resp:	43083
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.9	95.5
227	64.3	32.3	96.9





#95

Naphthalene

Concen: 15.964 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

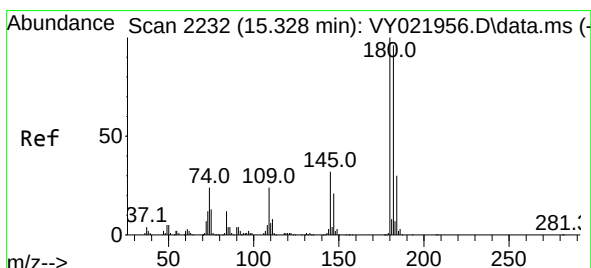
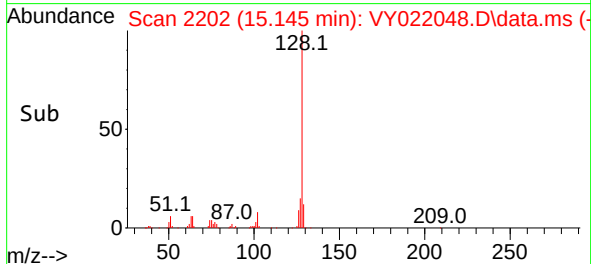
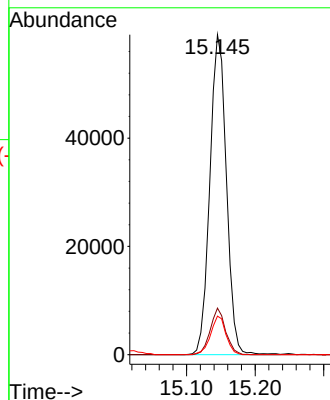
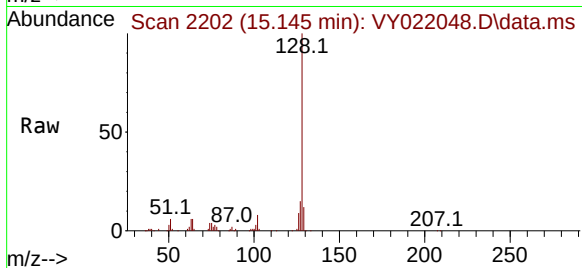
VY0429SBS01

Tgt Ion:128	Resp:	99140
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.6 16.0
129	11.3	8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.341 ug/l

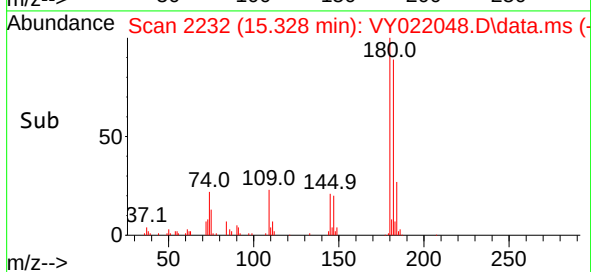
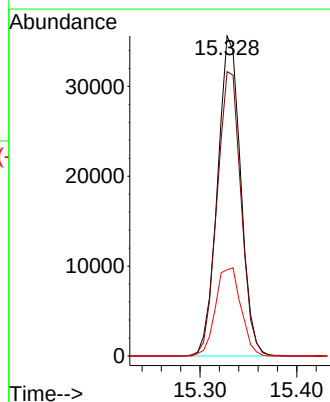
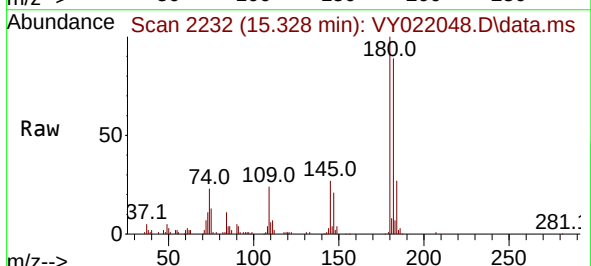
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022048.D

Acq: 29 Apr 2025 10:31

Tgt Ion:180	Resp:	59189
Ion Ratio	Lower	Upper
180	100	
182	91.8	48.1 144.4
145	30.3	16.0 48.0



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0428SBSD01		SDG No.:	Q1872
Lab Sample ID:	VY0428SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022024.D	1		04/28/25 12:02	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.7		0.79	5.00	ug/Kg
141-78-6	Ethyl Acetate	20.2		1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	19.4		0.91	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.3		1.30	5.00	ug/Kg
109-99-9	Tetrahydrofuran	95.0		4.70	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	19.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	94.5		13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	18.7		0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.6		1.00	5.00	ug/Kg
107-02-8	Acrolein	80.4		8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	94.6		5.00	25.0	ug/Kg
67-64-1	Acetone	91.7		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	20.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
108-05-4	Vinyl Acetate	95.9		4.90	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	19.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	91.2		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	20.1		1.30	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY0428SBSD01			SDG No.:	Q1872
Lab Sample ID:	VY0428SBSD01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022024.D	1		04/28/25 12:02	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	18.8		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	20.4		1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	19.8		0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	19.8		0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.8		0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	20.3		1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.4		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.0		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.6		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.8		0.62	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.4		1.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.0		1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	20.2		1.90	5.00	ug/Kg
91-20-3	Naphthalene	17.7		2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	18.0		0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	20.0		0.91	5.00	ug/Kg
107-05-1	Allyl chloride	19.0		0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	19.0		1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	18.4		1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	19.8		0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	400		48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY0428SBSD01	SDG No.:	Q1872
Lab Sample ID:	VY0428SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022024.D	1		04/28/25 12:02	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	48.8		38 - 136	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 - 134	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	467000	8.616			
3114-55-4	Chlorobenzene-d5	430000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	229000	13.347			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022024.D
 Acq On : 28 Apr 2025 12:02
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:52:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	304169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	466723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	430101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	228742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134757	47.964	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.634	113	154321	50.049	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.100%		
50) Toluene-d8	10.109	98	584198	50.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.520%		
62) 4-Bromofluorobenzene	12.408	95	190988	48.805	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	50071	19.319	ug/l	99
3) Chloromethane	2.068	50	75523	20.464	ug/l	99
4) Vinyl Chloride	2.202	62	89253	19.681	ug/l	99
5) Bromomethane	2.592	94	78860	20.184	ug/l	98
6) Chloroethane	2.733	64	59730	19.339	ug/l	100
7) Trichlorofluoromethane	3.056	101	116596	19.497	ug/l	99
8) Diethyl Ether	3.458	74	29171	18.741	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	64955	20.023	ug/l	99
10) Methyl Iodide	4.007	142	75267	20.039	ug/l	99
11) Tert butyl alcohol	4.891	59	14577	94.507	ug/l	97
12) 1,1-Dichloroethene	3.787	96	59292	19.609	ug/l	97
13) Acrolein	3.653	56	22266	80.430	ug/l	98
14) Allyl chloride	4.385	41	67052	19.044	ug/l	99
15) Acrylonitrile	5.062	53	53919	94.624	ug/l	99
16) Acetone	3.879	43	38691	91.684	ug/l	93
17) Carbon Disulfide	4.104	76	188646	19.567	ug/l	100
18) Methyl Acetate	4.385	43	26710	20.352	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	128448	18.979	ug/l	96
20) Methylene Chloride	4.616	84	69565	19.581	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	67846	20.035	ug/l	98
22) Diisopropyl ether	6.019	45	155156	19.802	ug/l	95
23) Vinyl Acetate	5.958	43	405051	95.923	ug/l	99
24) 1,1-Dichloroethane	5.909	63	107232	19.744	ug/l	97
25) 2-Butanone	6.897	43	58420	91.221	ug/l	97
26) 2,2-Dichloropropane	6.884	77	95545	20.072	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	74270	19.614	ug/l	99
28) Bromochloromethane	7.244	49	40803	19.342	ug/l	97
29) Tetrahydrofuran	7.268	42	39499	94.962	ug/l	99
30) Chloroform	7.421	83	123555	20.510	ug/l	99
31) Cyclohexane	7.701	56	87525	18.845	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	109955	20.174	ug/l	99
36) 1,1-Dichloropropene	7.835	75	84266	20.345	ug/l	99
37) Ethyl Acetate	6.988	43	30066	20.212	ug/l	97
38) Carbon Tetrachloride	7.817	117	98021	19.805	ug/l	96
39) Methylcyclohexane	9.110	83	96942	18.599	ug/l	94
40) Benzene	8.079	78	264687	20.443	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022024.D
 Acq On : 28 Apr 2025 12:02
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:52:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	14950	18.385	ug/l #	94
42) 1,2-Dichloroethane	8.159	62	65978	20.582	ug/l	100
43) Isopropyl Acetate	8.201	43	55391	19.390	ug/l #	85
44) Trichloroethene	8.866	130	73456	20.483	ug/l	96
45) 1,2-Dichloropropane	9.140	63	57855	20.206	ug/l	99
46) Dibromomethane	9.232	93	36507	20.368	ug/l	99
47) Bromodichloromethane	9.427	83	91869	20.518	ug/l	98
48) Methyl methacrylate	9.219	41	24736	18.731	ug/l	96
49) 1,4-Dioxane	9.244	88	7623	399.035	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	144427	96.444	ug/l	100
52) Toluene	10.170	92	173484	20.700	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	76364	19.883	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	91935	20.137	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	50233	20.981	ug/l	98
56) Ethyl methacrylate	10.439	69	50325	18.381	ug/l	97
57) 1,3-Dichloropropane	10.719	76	77135	20.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	127764	95.443	ug/l	98
59) 2-Hexanone	10.762	43	94218	95.387	ug/l	97
60) Dibromochloromethane	10.908	129	67301	20.304	ug/l	100
61) 1,2-Dibromoethane	11.012	107	46692	20.658	ug/l	97
64) Tetrachloroethene	10.646	164	83023	20.462	ug/l	98
65) Chlorobenzene	11.445	112	191323	19.892	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	69613	20.558	ug/l	99
67) Ethyl Benzene	11.518	91	310207	19.716	ug/l	99
68) m/p-Xylenes	11.627	106	253033	40.415	ug/l	99
69) o-Xylene	11.957	106	114827	19.899	ug/l	100
70) Styrene	11.969	104	195808	20.210	ug/l	100
71) Bromoform	12.133	173	40476	20.560	ug/l #	100
73) Isopropylbenzene	12.255	105	298757	19.549	ug/l	99
74) N-amyl acetate	12.072	43	47258	17.999	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	50760	19.701	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	36880m	18.823	ug/l	
77) Bromobenzene	12.530	156	78665	20.371	ug/l	97
78) n-propylbenzene	12.597	91	361182	19.846	ug/l	100
79) 2-Chlorotoluene	12.682	91	209164	19.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	249733	19.833	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15459	19.001	ug/l	99
82) 4-Chlorotoluene	12.780	91	223135	20.280	ug/l	100
83) tert-Butylbenzene	12.999	119	219359	19.424	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	251831	19.995	ug/l	100
85) sec-Butylbenzene	13.176	105	324017	19.608	ug/l	99
86) p-Isopropyltoluene	13.292	119	277280	19.760	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	157100	20.030	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	158444	20.398	ug/l	99
89) n-Butylbenzene	13.615	91	237857	18.964	ug/l	99
90) Hexachloroethane	13.877	117	60454	19.609	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	137294	20.070	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7886	19.238	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	74907	19.324	ug/l	99
94) Hexachlorobutadiene	15.023	225	48192	20.206	ug/l	96
95) Naphthalene	15.145	128	113791	17.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	65284	19.510	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022024.D
Acq On : 28 Apr 2025 12:02
Operator : SY/MD
Sample : VY0428SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

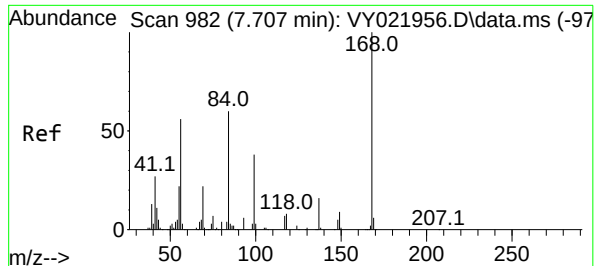
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Manual Integrations

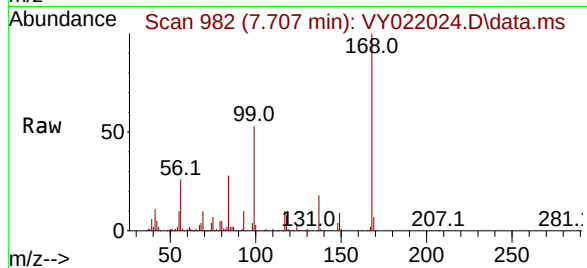
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

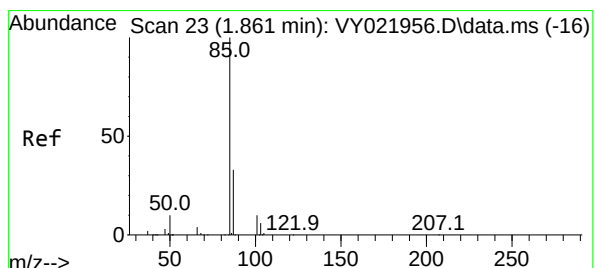
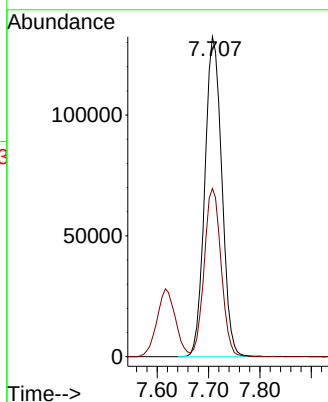
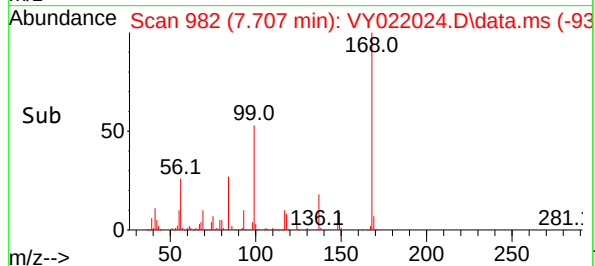
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



Tgt Ion: 168 Resp: 304169
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7

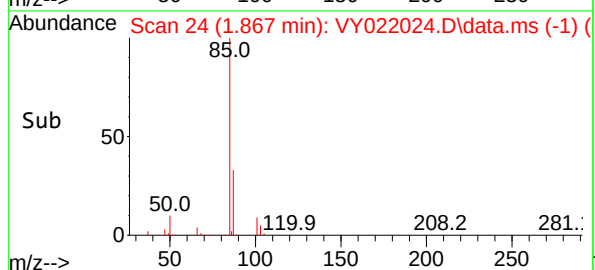
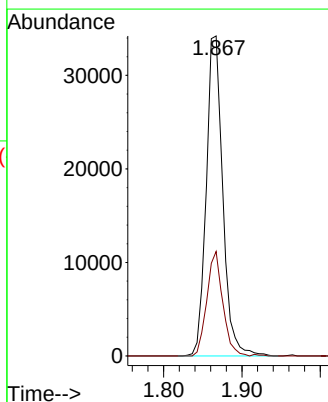
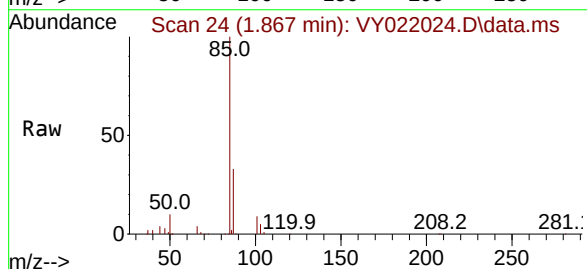
Manual Integrations
APPROVED

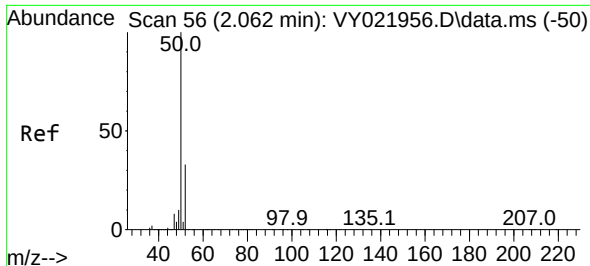
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#2
Dichlorodifluoromethane
Concen: 19.319 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

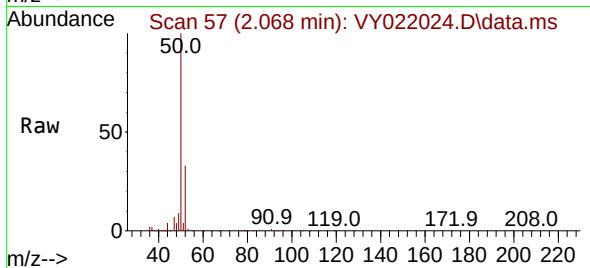
Tgt Ion: 85 Resp: 50071
Ion Ratio Lower Upper
85 100
87 32.7 16.6 49.7





#3
Chloromethane
Concen: 20.464 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

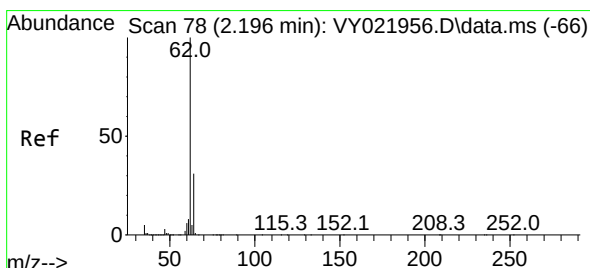
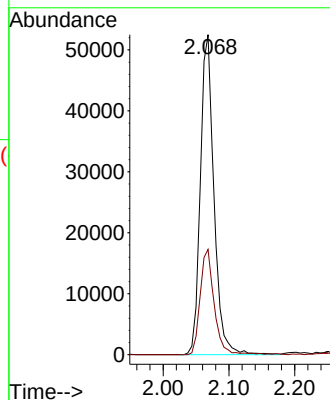
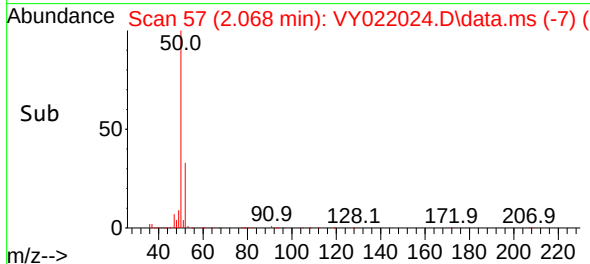
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



Tgt Ion: 50 Resp: 7552
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1

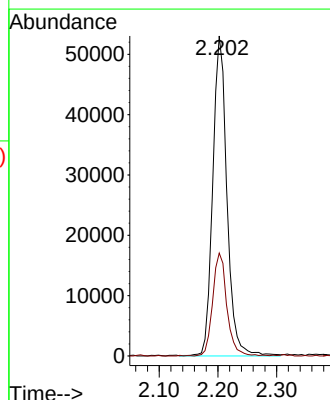
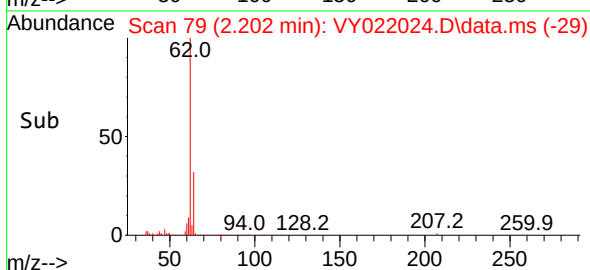
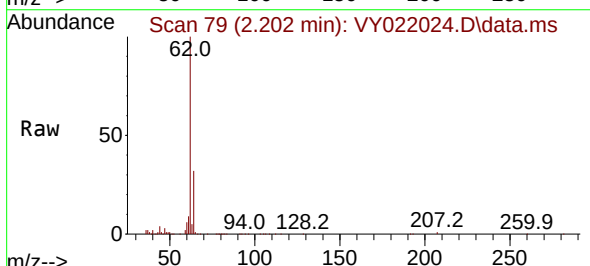
Manual Integrations
APPROVED

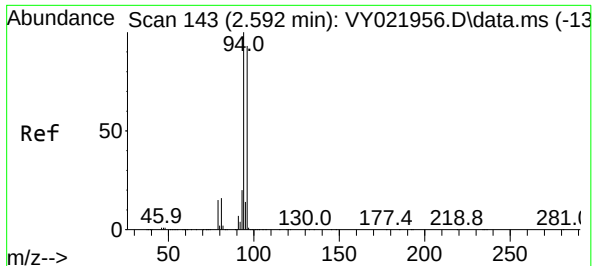
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#4
Vinyl Chloride
Concen: 19.681 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion: 62 Resp: 89253
Ion Ratio Lower Upper
62 100
64 32.0 25.1 37.7





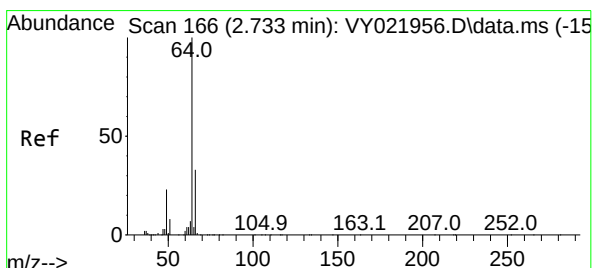
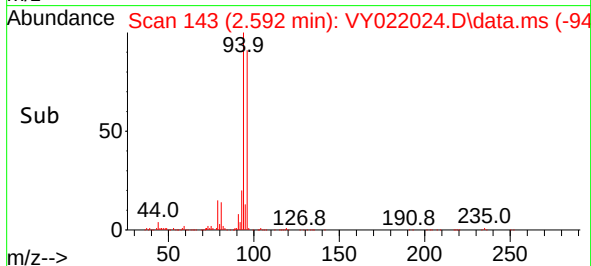
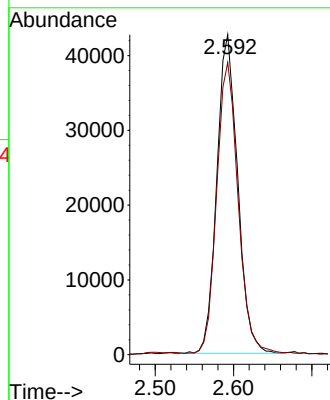
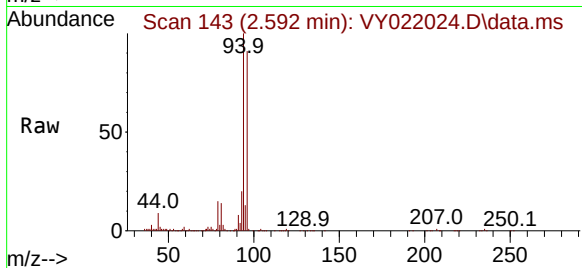
#5
Bromomethane
Concen: 20.184 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Tgt Ion: 94 Resp: 78860
Ion Ratio Lower Upper
94 100
96 91.1 74.6 111.8

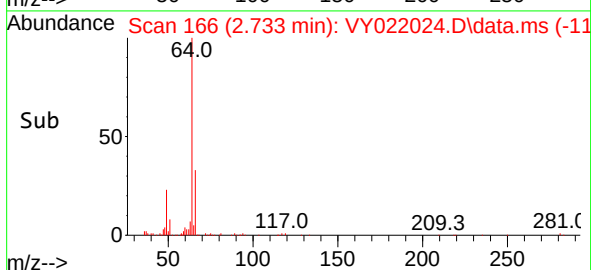
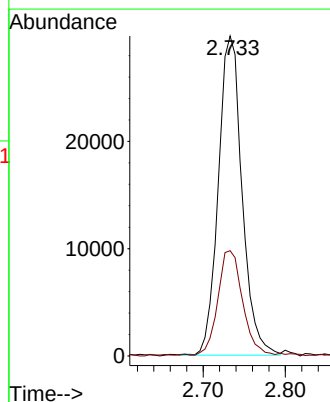
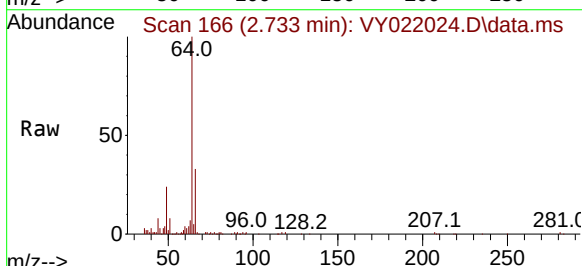
Manual Integrations
APPROVED

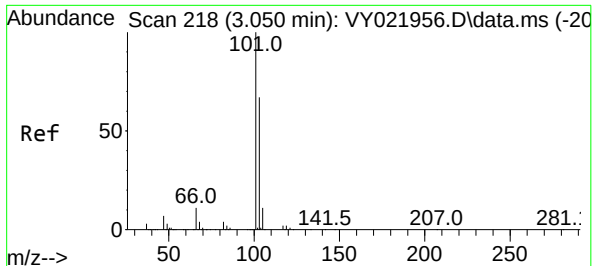
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#6
Chloroethane
Concen: 19.339 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion: 64 Resp: 59730
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.4





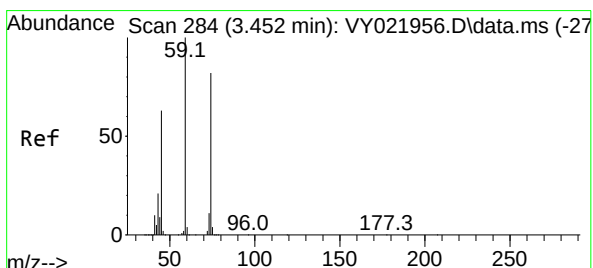
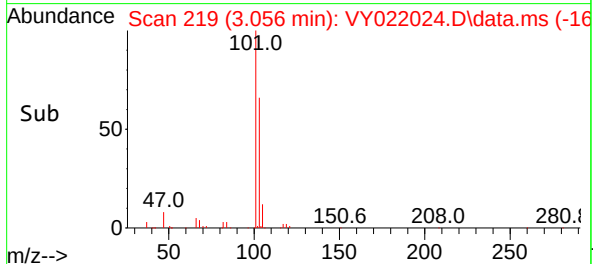
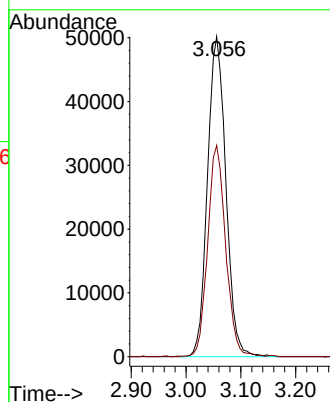
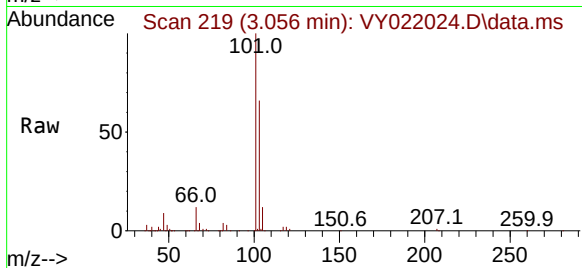
#7
Trichlorofluoromethane
Concen: 19.497 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01

Tgt Ion: 101 Resp: 116590
Ion Ratio Lower Upper
101 100
103 66.0 53.6 80.4

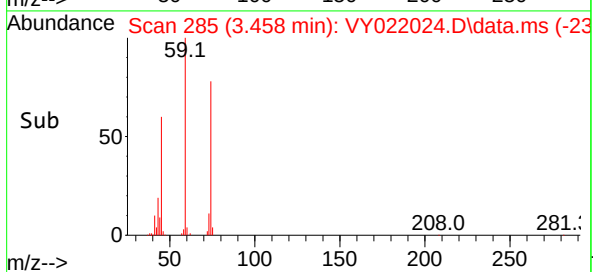
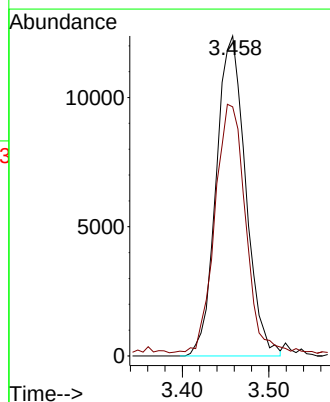
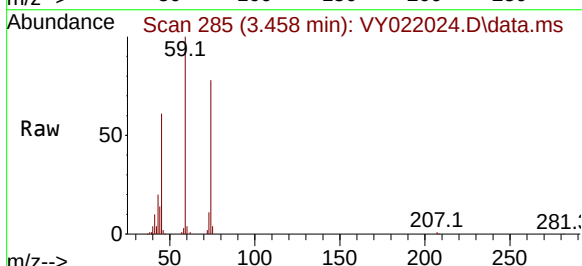
Manual Integrations
APPROVED

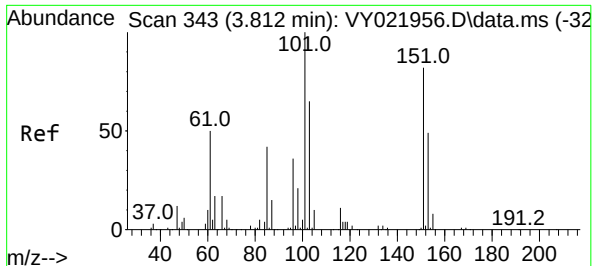
Reviewed By : Semsettin Yesilyurt 04/29/2025
Supervised By : Mahesh Dadoda 04/29/2025



#8
Diethyl Ether
Concen: 18.741 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion: 74 Resp: 29171
Ion Ratio Lower Upper
74 100
45 81.4 39.1 117.5





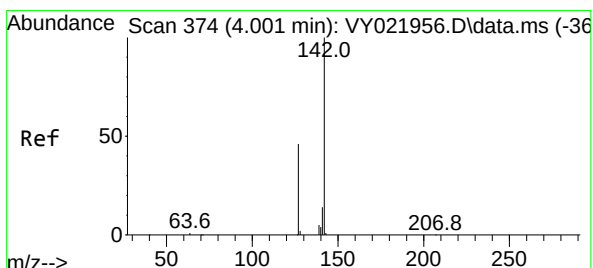
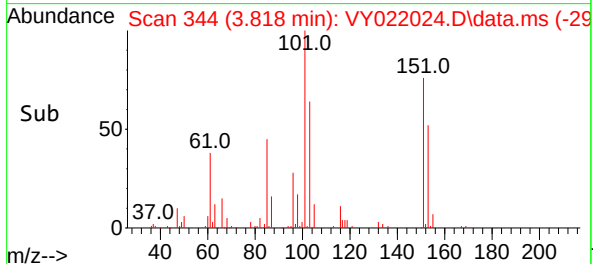
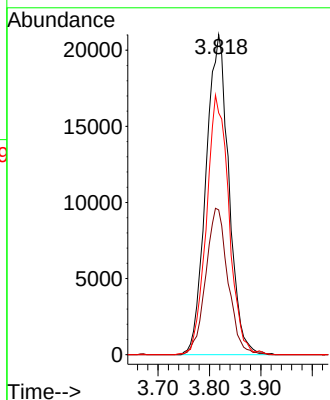
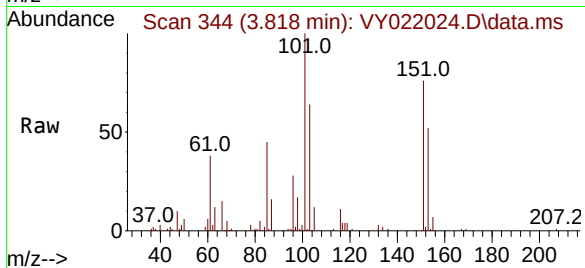
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.023 ug/l
RT: 3.818 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Tgt Ion:101 Resp: 6495
Ion Ratio Lower Upper
101 100
85 44.5 34.6 51.8
151 79.7 63.7 95.5

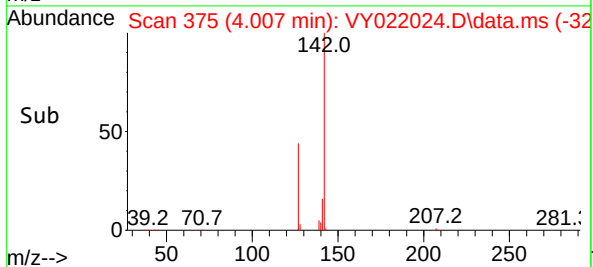
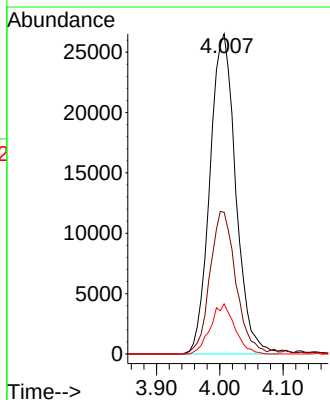
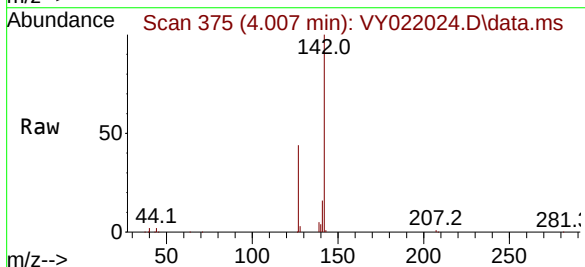
Manual Integrations
APPROVED

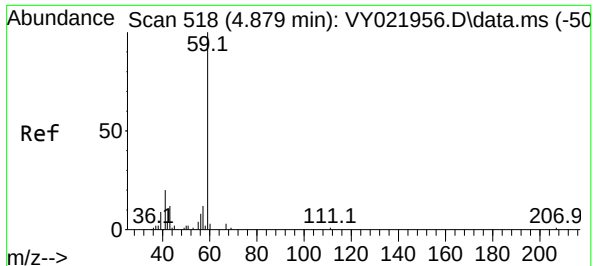
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#10
Methyl Iodide
Concen: 20.039 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion:142 Resp: 75267
Ion Ratio Lower Upper
142 100
127 44.5 36.2 54.2
141 14.7 11.7 17.5





#11

Tert butyl alcohol

Concen: 94.507 ug/l

RT: 4.891 min Scan# 518

Delta R.T. 0.012 min

Lab File: VY022024.D

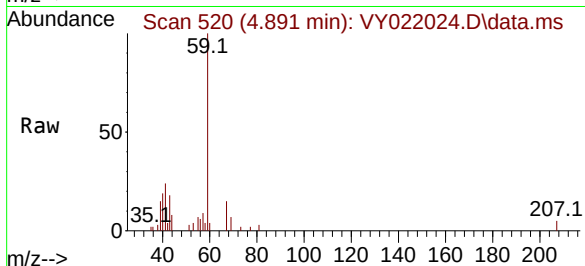
Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01



Tgt Ion: 59 Resp: 1457

Ion Ratio Lower Upper

59 100

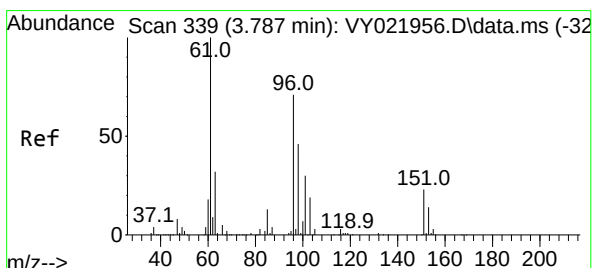
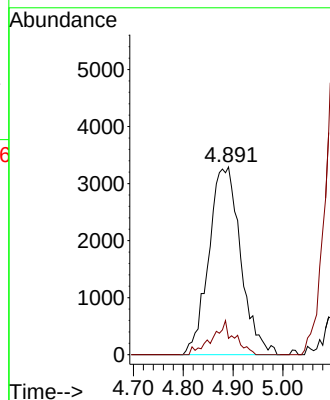
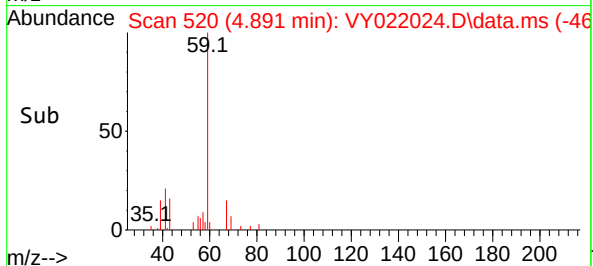
57 12.6 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#12

1,1-Dichloroethene

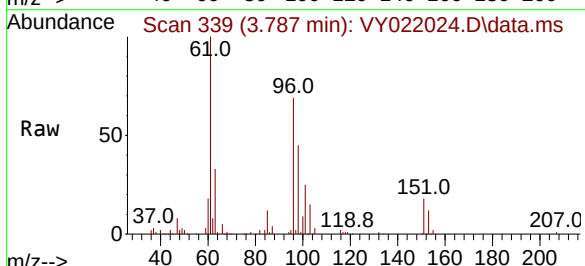
Concen: 19.609 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02



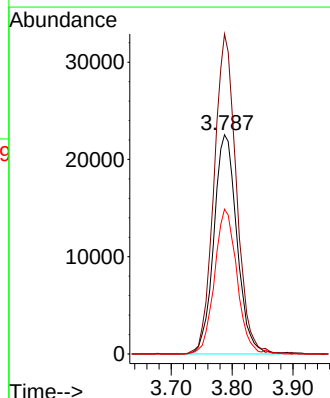
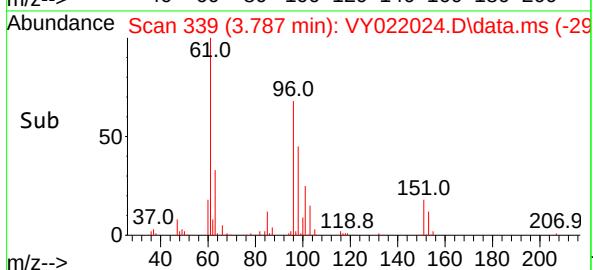
Tgt Ion: 96 Resp: 59292

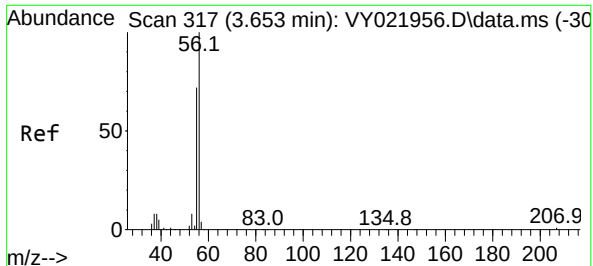
Ion Ratio Lower Upper

96 100

61 146.0 113.0 169.4

98 66.0 51.4 77.2





#13

Acrolein

Concen: 80.430 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 56 Resp: 2226

Ion Ratio Lower Upper

56 100

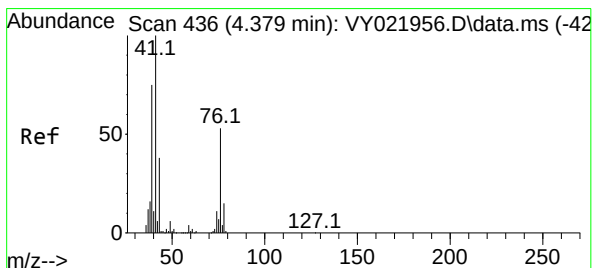
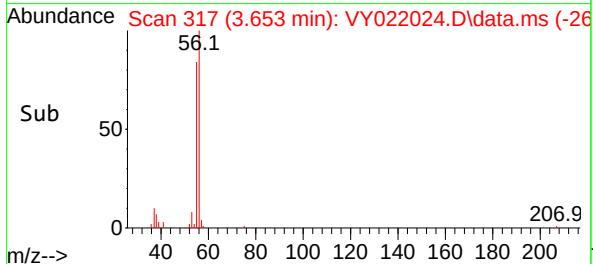
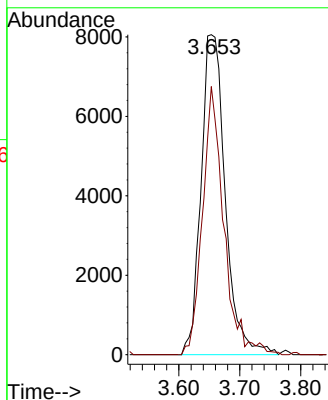
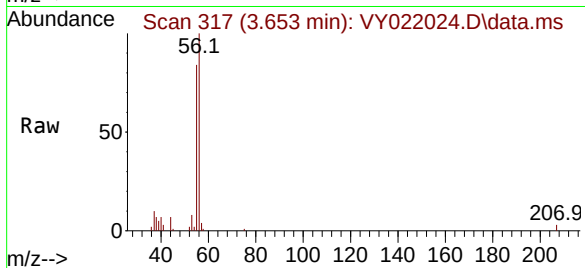
55 73.7 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#14

Allyl chloride

Concen: 19.044 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

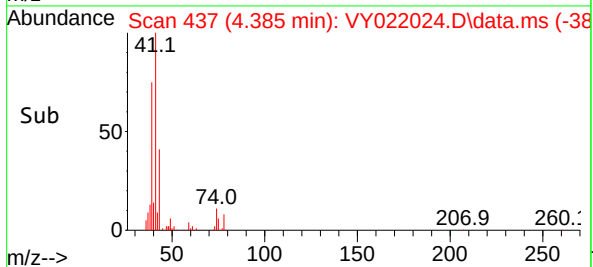
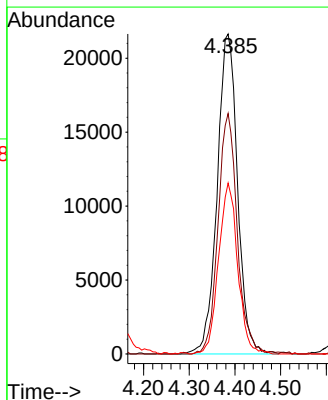
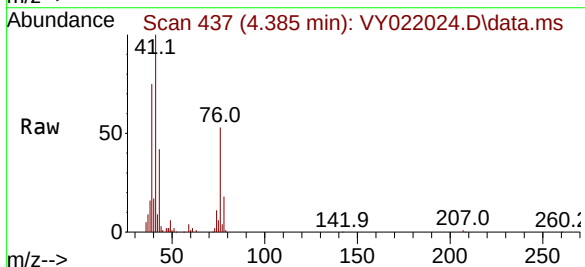
Tgt Ion: 41 Resp: 67052

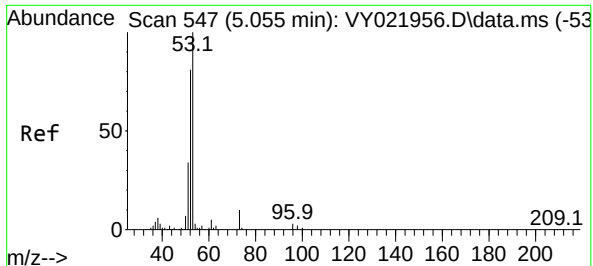
Ion Ratio Lower Upper

41 100

39 70.8 57.2 85.8

76 50.2 39.7 59.5





#15

Acrylonitrile

Concen: 94.624 ug/l

RT: 5.062 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

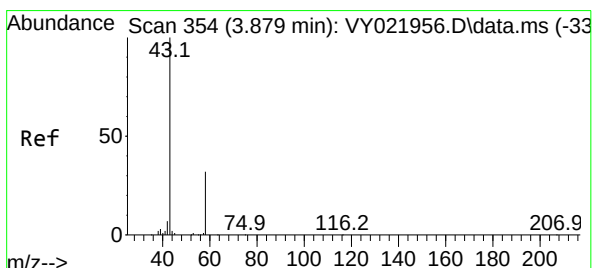
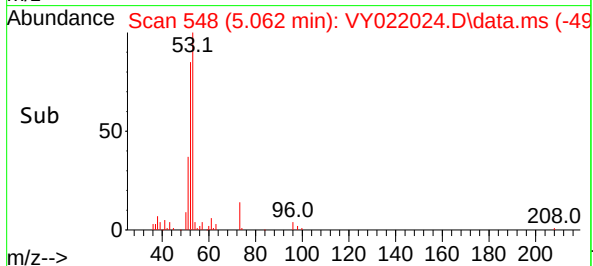
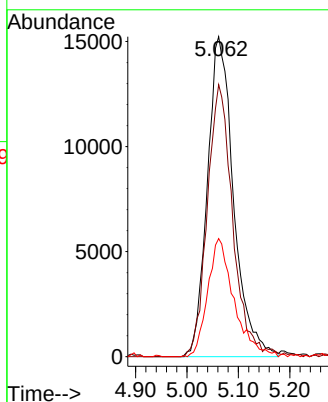
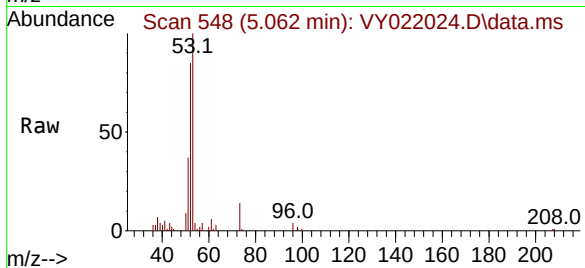
ClientSampleId :

VY0428SBS01

Tgt Ion:	53	Resp:	53919
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.0	97.6
51	37.2	28.9	43.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#16

Acetone

Concen: 91.684 ug/l

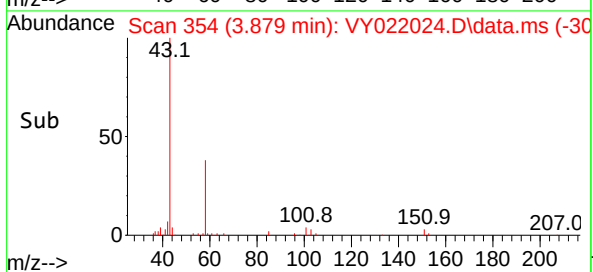
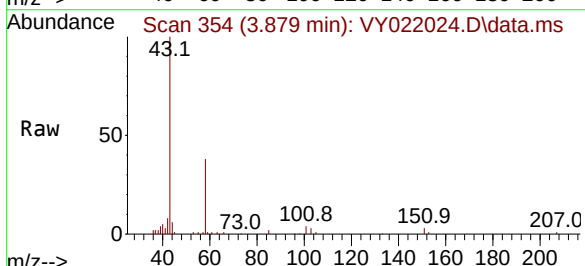
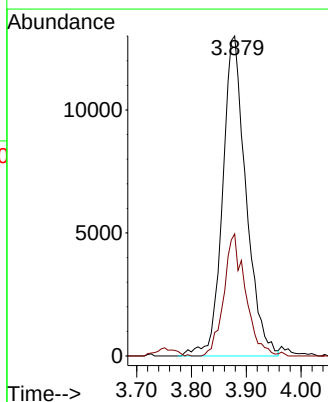
RT: 3.879 min Scan# 354

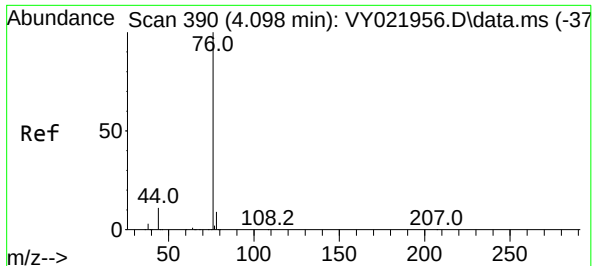
Delta R.T. -0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:	43	Resp:	38691
Ion	Ratio	Lower	Upper
43	100		
58	37.5	27.0	40.4





#17

Carbon Disulfide

Concen: 19.567 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY022024.D

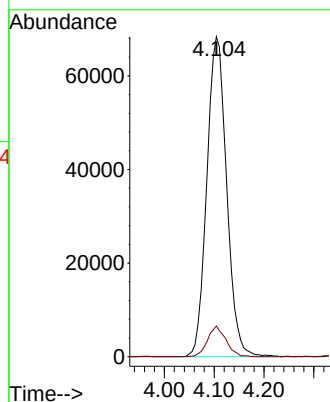
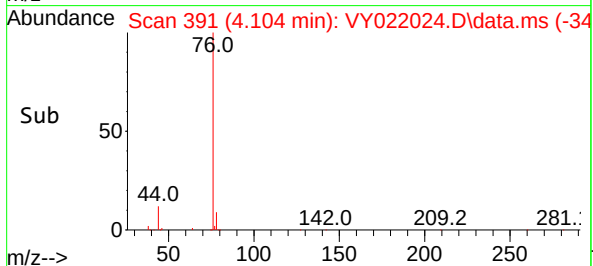
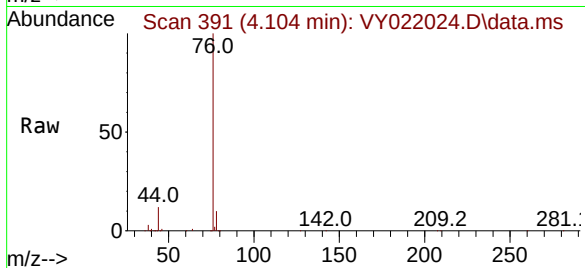
Acq: 28 Apr 2025 12:02

Tgt Ion: 76 Resp: 188640

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



Instrument :

MSVOA_Y

ClientSampleId :

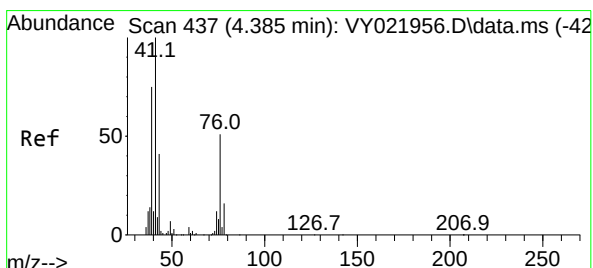
VY0428SBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#18

Methyl Acetate

Concen: 20.352 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY022024.D

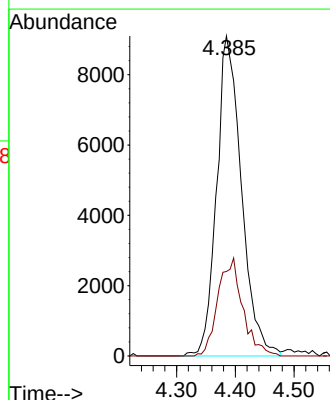
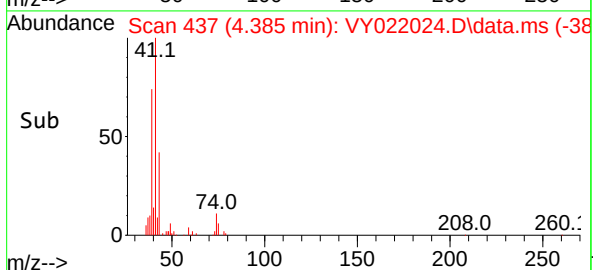
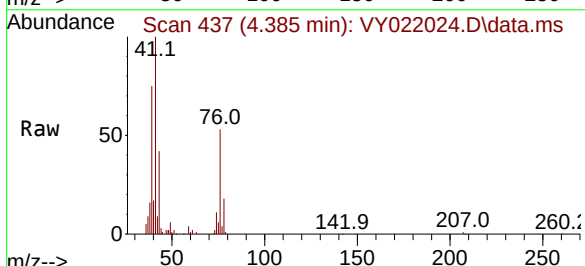
Acq: 28 Apr 2025 12:02

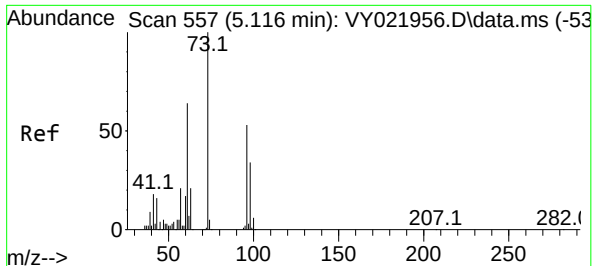
Tgt Ion: 43 Resp: 26710

Ion Ratio Lower Upper

43 100

74 30.6 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 18.979 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 73 Resp: 12844

Ion Ratio Lower Upper

73 100

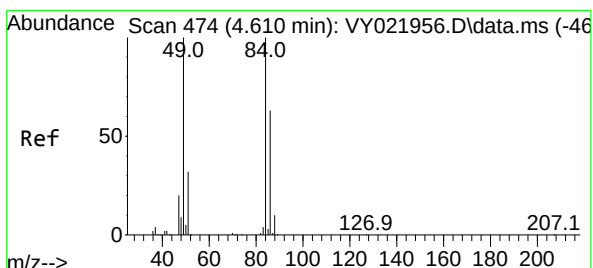
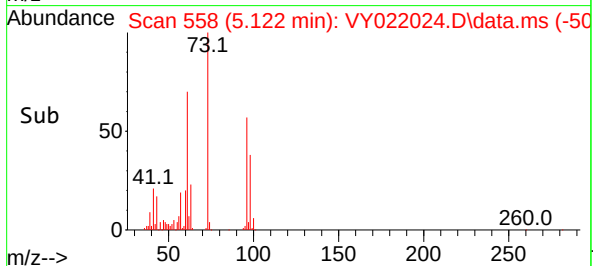
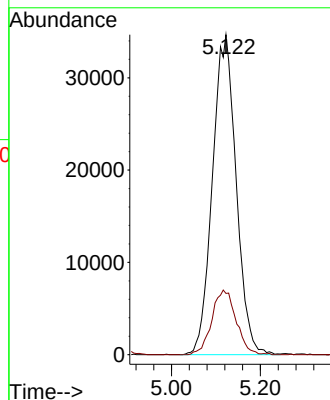
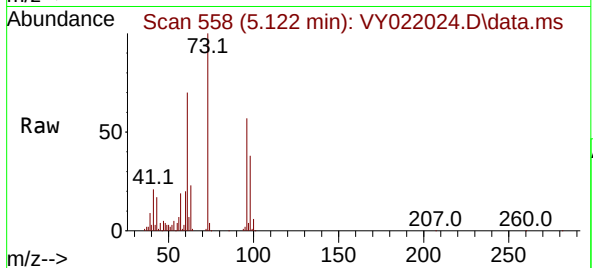
57 19.1 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#20

Methylene Chloride

Concen: 19.581 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion: 84 Resp: 69565

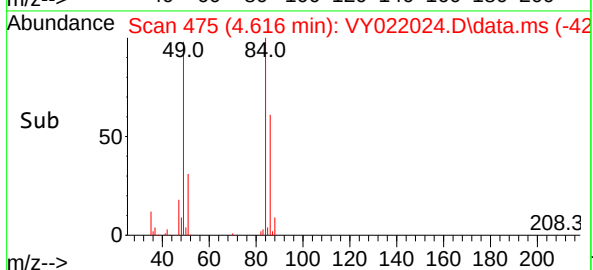
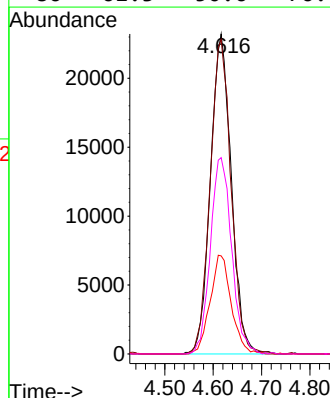
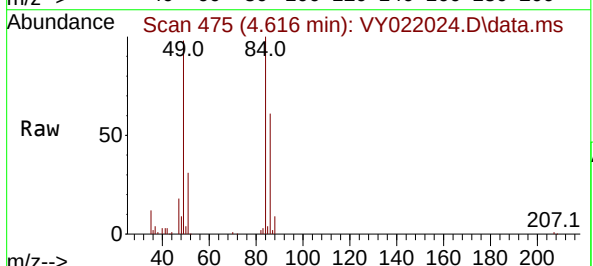
Ion Ratio Lower Upper

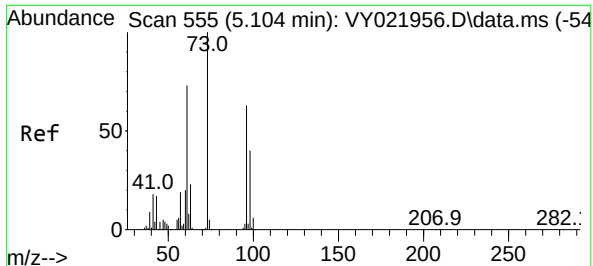
84 100

49 98.2 79.9 119.9

51 30.7 25.4 38.0

86 61.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.035 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 96 Resp: 6784

Ion Ratio Lower Upper

96 100

61 118.3 92.6 138.8

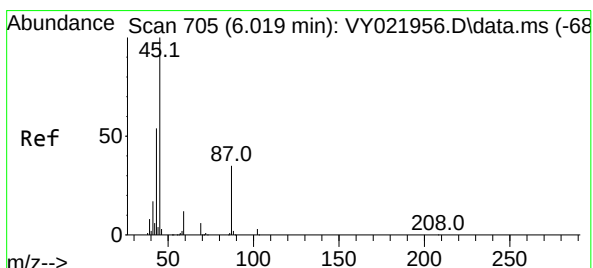
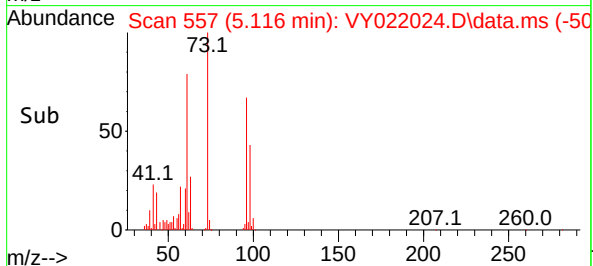
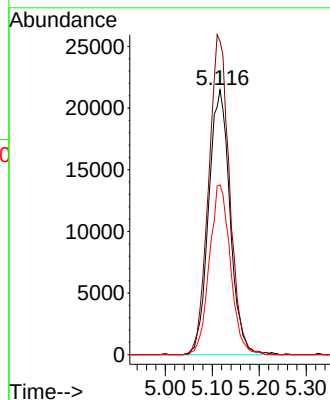
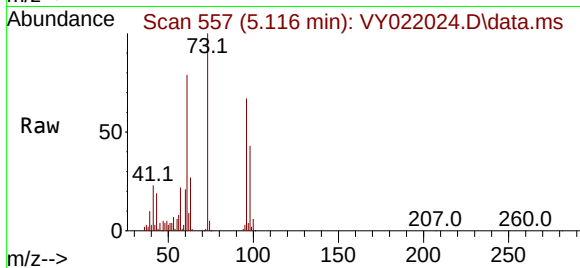
98 64.1 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#22

Diisopropyl ether

Concen: 19.802 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion: 45 Resp: 155156

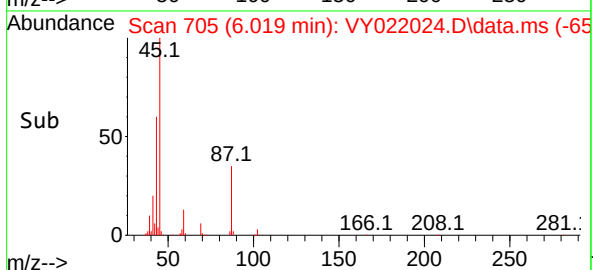
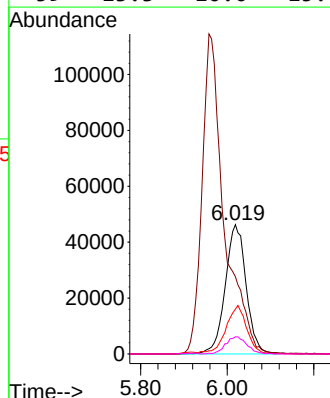
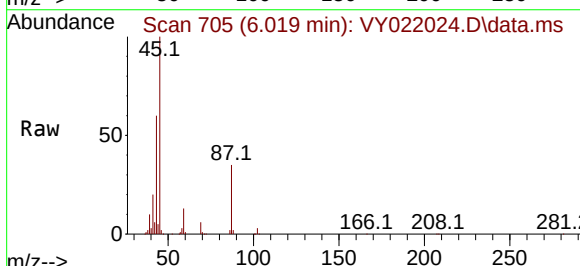
Ion Ratio Lower Upper

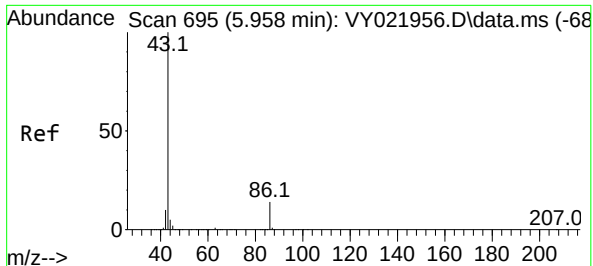
45 100

43 59.6 43.6 65.4

87 34.4 28.2 42.4

59 13.3 10.0 15.0





#23

Vinyl Acetate

Concen: 95.923 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 43 Resp: 40505

Ion Ratio Lower Upper

43

100

86

13.5

11.1

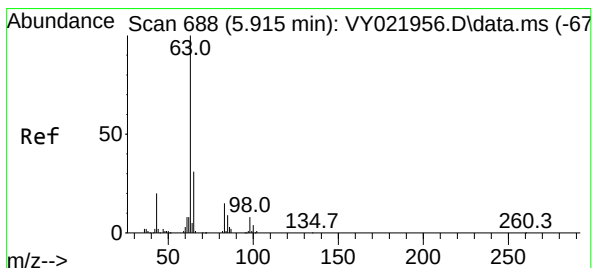
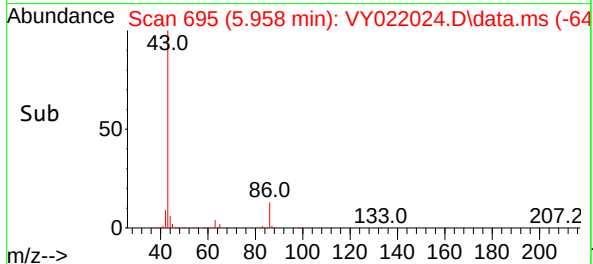
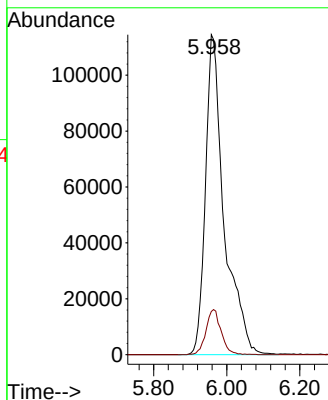
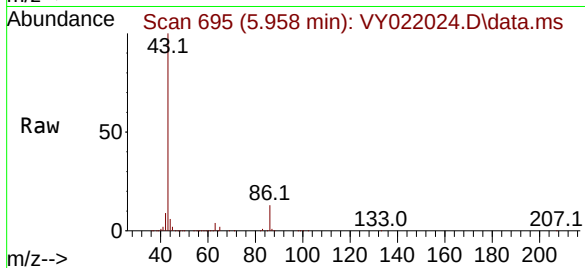
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#24

1,1-Dichloroethane

Concen: 19.744 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion: 63 Resp: 107232

Ion Ratio Lower Upper

63

100

98

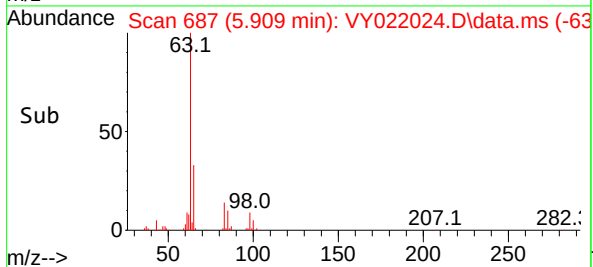
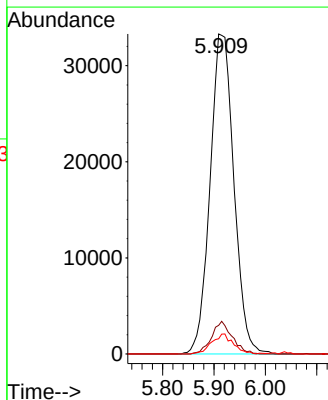
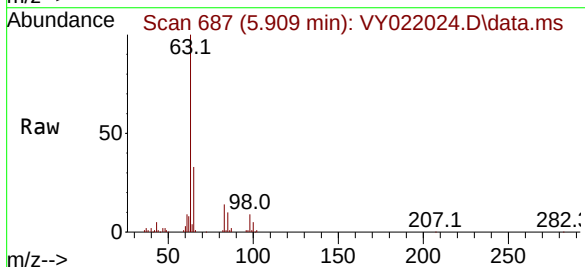
8.9

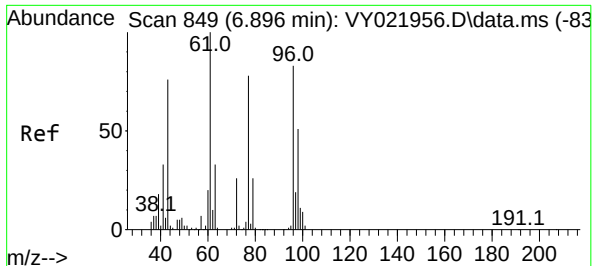
100

4.7

2.0

6.0





#25

2-Butanone

Concen: 91.221 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 43 Resp: 58420

Ion Ratio Lower Upper

43 100

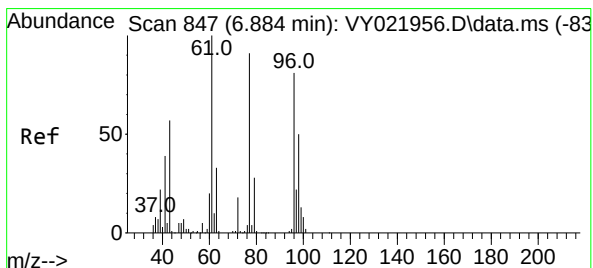
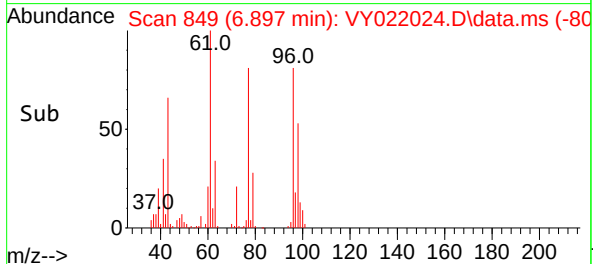
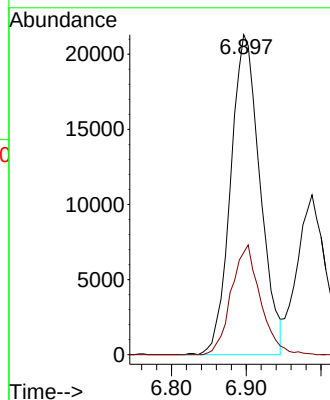
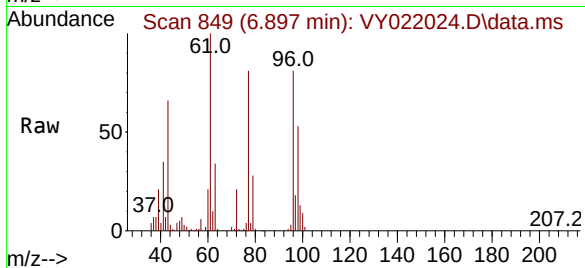
72 31.9 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#26

2,2-Dichloropropane

Concen: 20.072 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022024.D

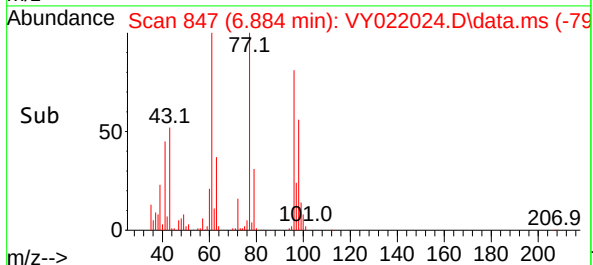
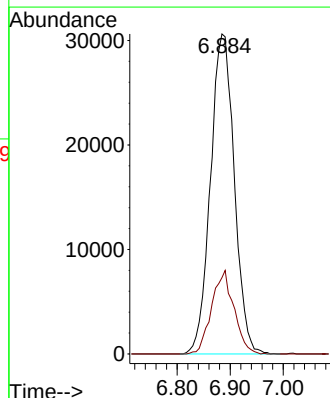
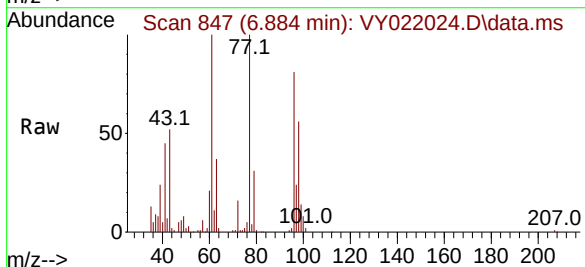
Acq: 28 Apr 2025 12:02

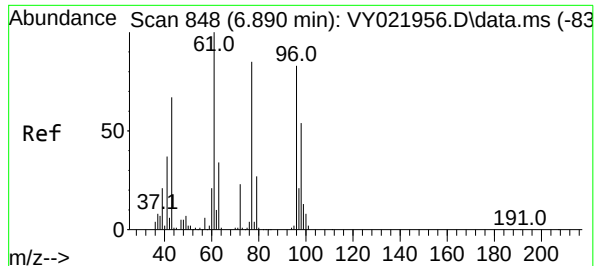
Tgt Ion: 77 Resp: 95545

Ion Ratio Lower Upper

77 100

97 24.4 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 19.614 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 96 Resp: 74270

Ion Ratio Lower Upper

96 100

61 125.3 0.0 251.4

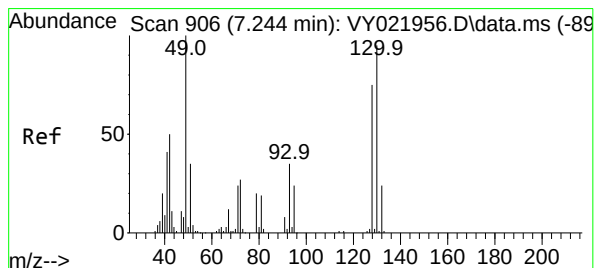
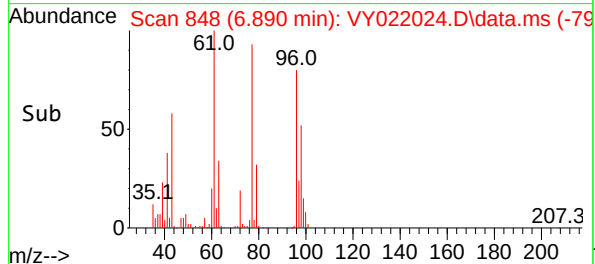
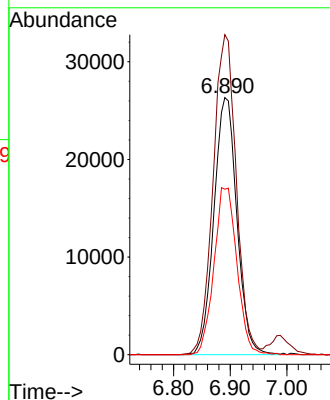
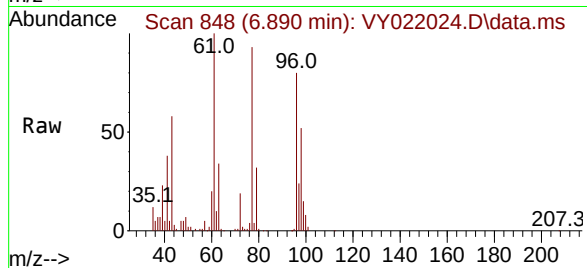
98 64.9 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#28

Bromochloromethane

Concen: 19.342 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

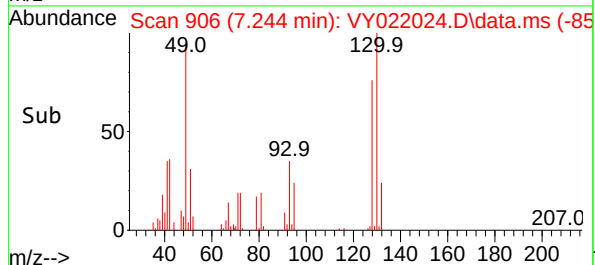
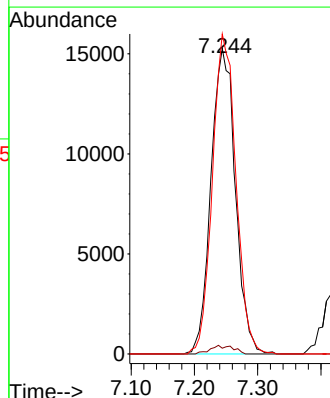
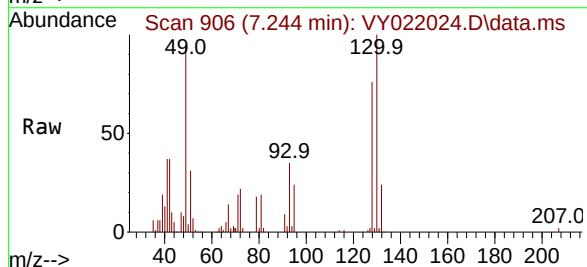
Tgt Ion: 49 Resp: 40803

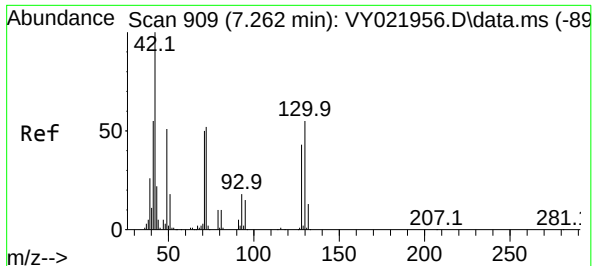
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

130 101.0 78.2 117.4





#29

Tetrahydrofuran

Concen: 94.962 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

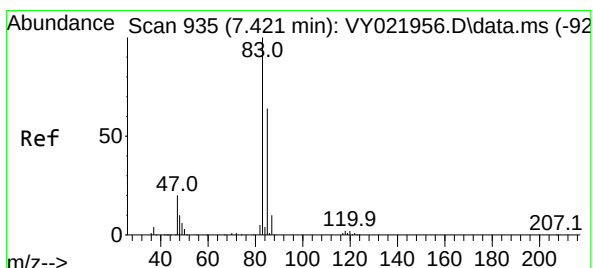
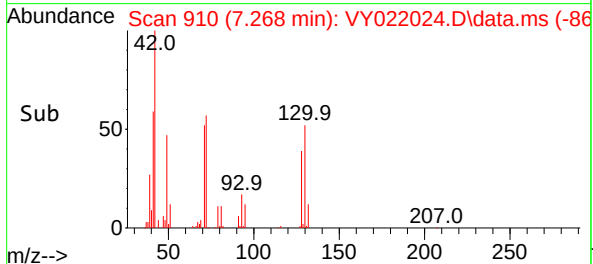
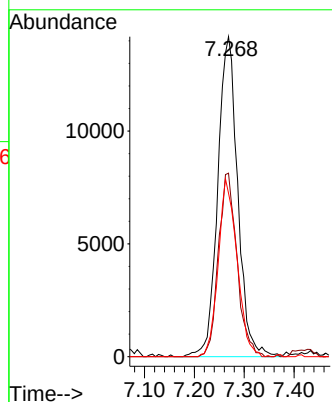
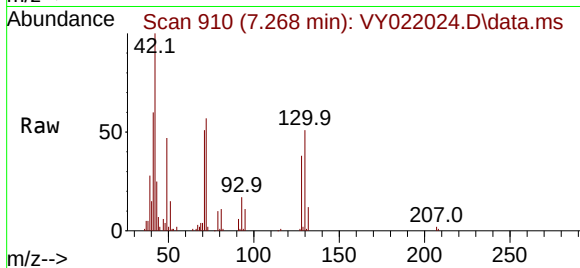
ClientSampleId :

VY0428SBS01

Tgt Ion:	42	Resp:	3949
Ion Ratio	Lower	Upper	
42	100		
72	53.4	42.6	63.8
71	52.0	40.6	61.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#30

Chloroform

Concen: 20.510 ug/l

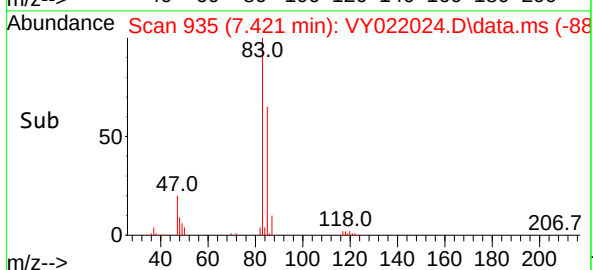
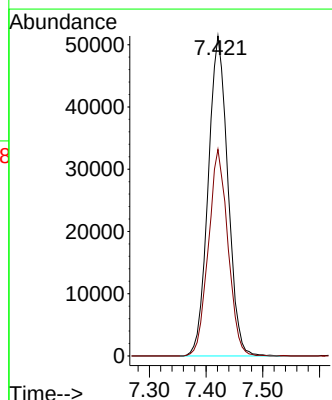
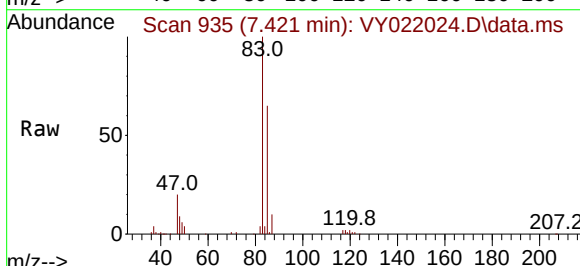
RT: 7.421 min Scan# 935

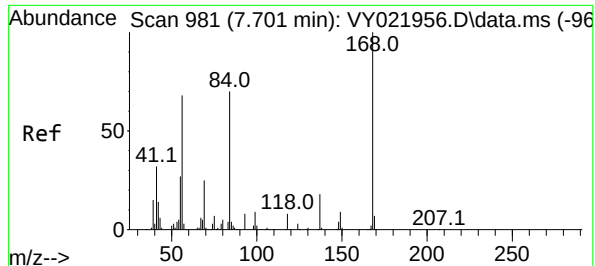
Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:	83	Resp:	123555
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.3	76.9





#31

Cyclohexane

Concen: 18.845 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBSD01

Tgt Ion: 56 Resp: 8752

Ion Ratio Lower Upper

56 100

69 41.0 29.4 44.2

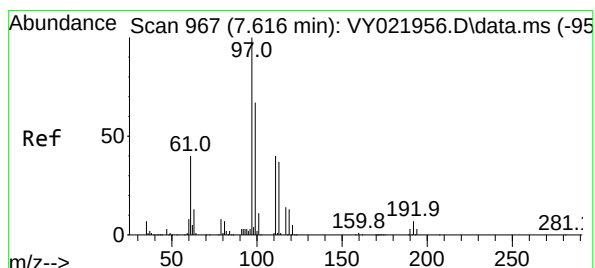
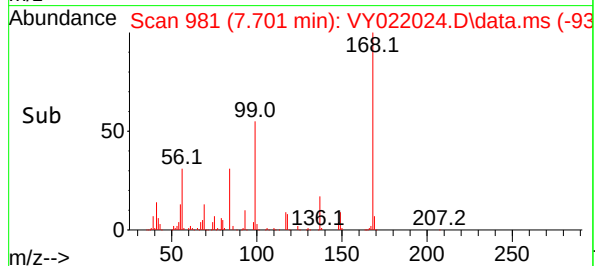
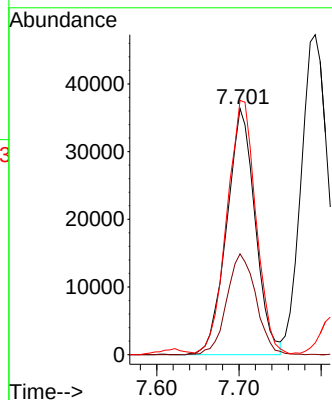
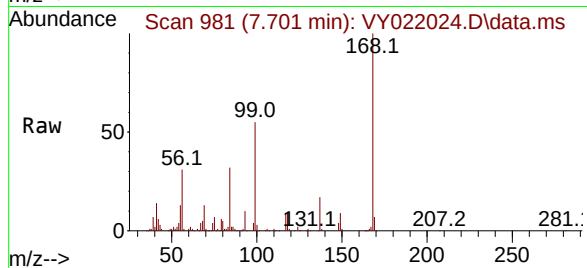
84 101.7 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#32

1,1,1-Trichloroethane

Concen: 20.174 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

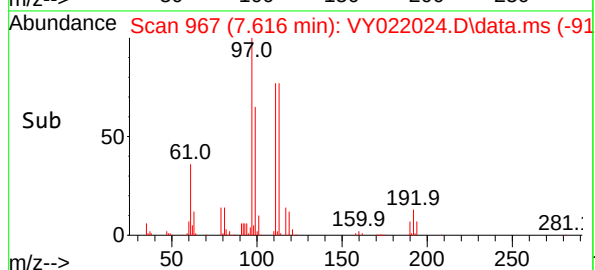
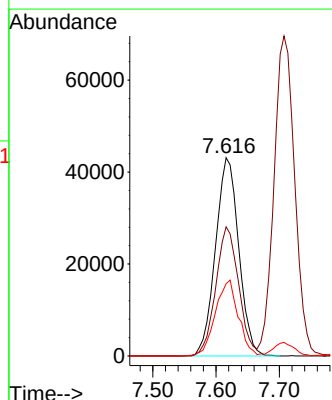
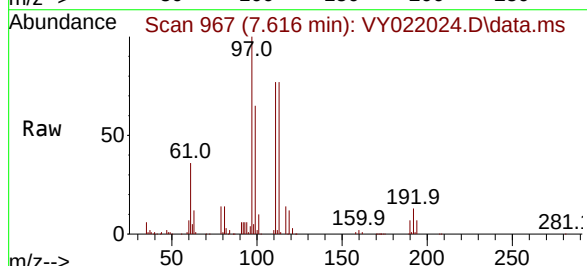
Tgt Ion: 97 Resp: 109955

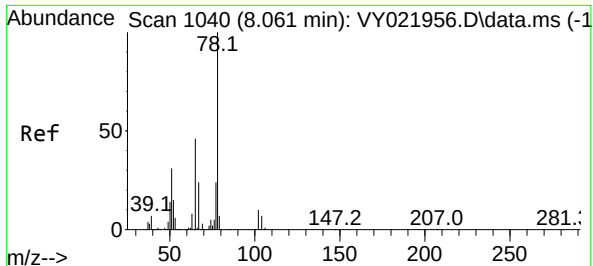
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.2

61 37.9 31.4 47.2





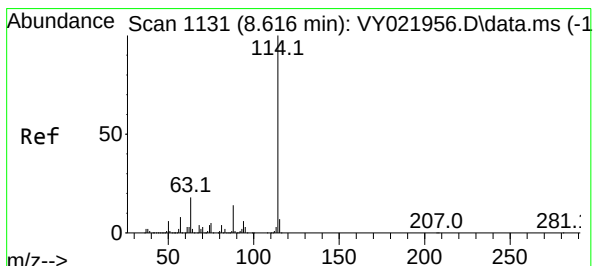
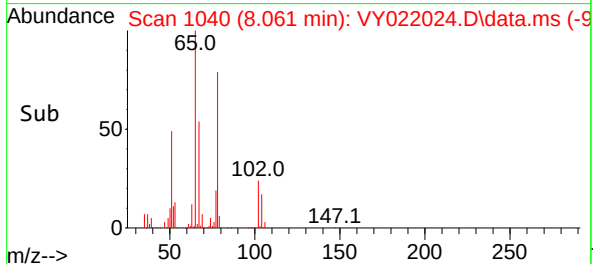
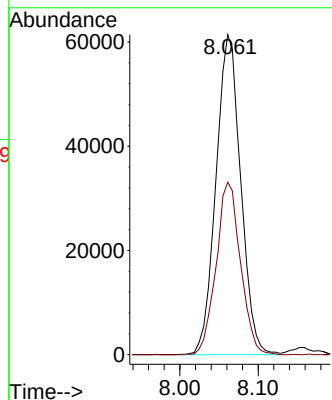
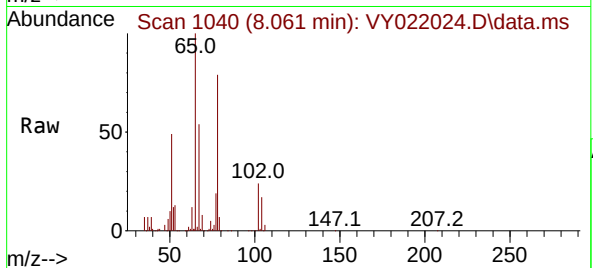
#33
1,2-Dichloroethane-d4
Concen: 47.964 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Tgt Ion: 65 Resp: 13475
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

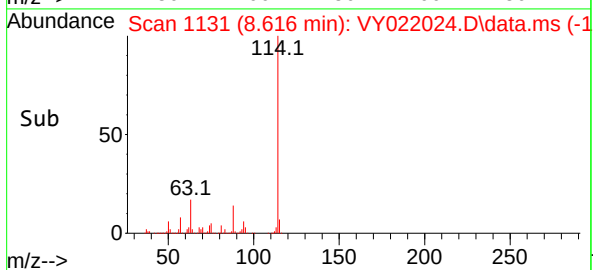
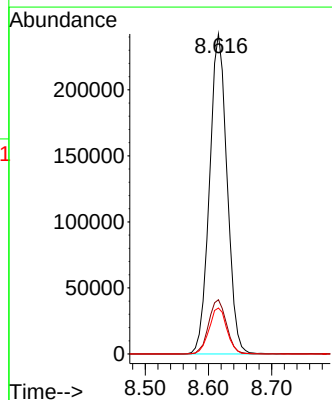
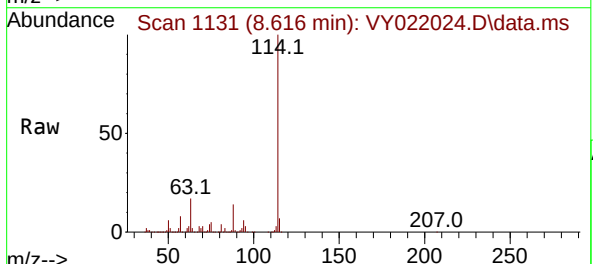
Manual Integrations
APPROVED

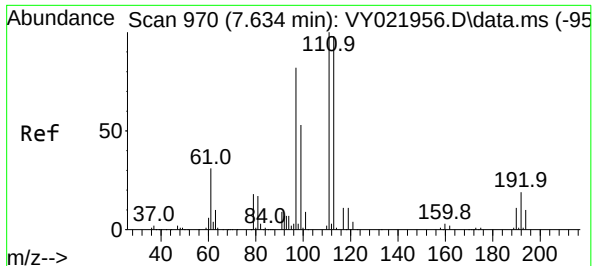
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion:114 Resp: 466723
Ion Ratio Lower Upper
114 100
63 17.0 0.0 35.4
88 14.4 0.0 28.2





#35

Dibromofluoromethane

Concen: 50.049 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:113 Resp: 15432

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

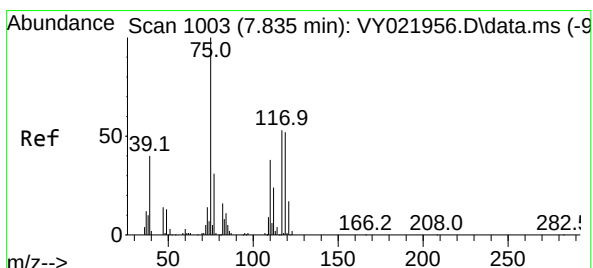
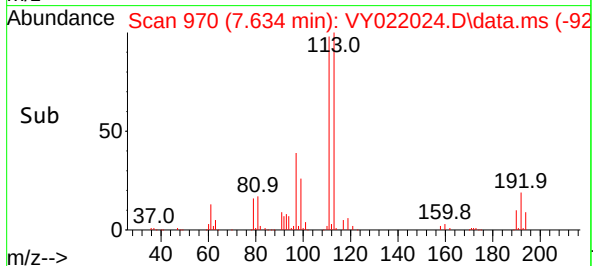
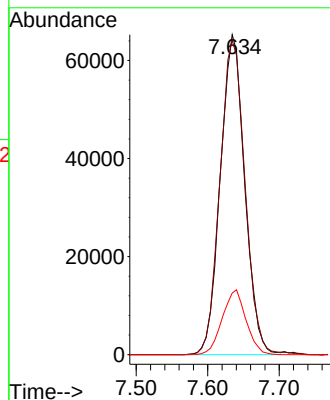
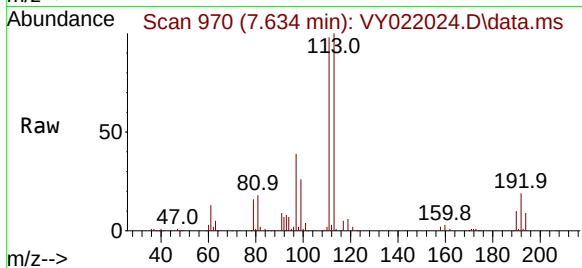
192 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#36

1,1-Dichloropropene

Concen: 20.345 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

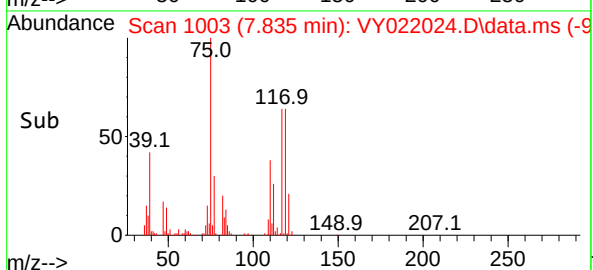
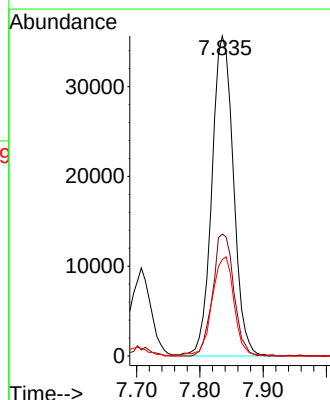
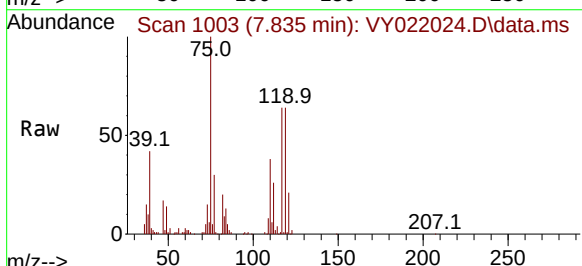
Tgt Ion: 75 Resp: 84266

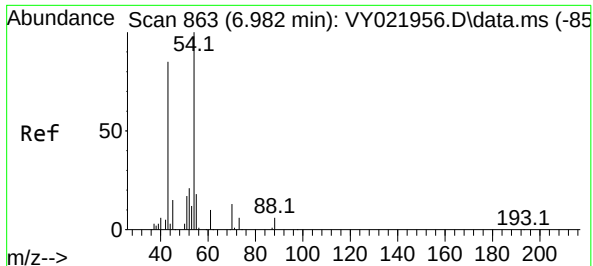
Ion Ratio Lower Upper

75 100

110 37.5 19.1 57.3

77 31.5 25.5 38.3





#37

Ethyl Acetate

Concen: 20.212 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBSD01

Tgt Ion: 43 Resp: 3006

Ion Ratio Lower Upper

43 100

61 15.6 13.8 20.6

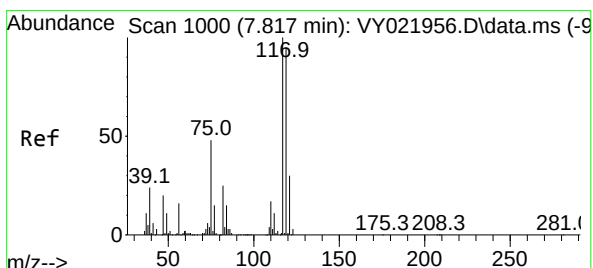
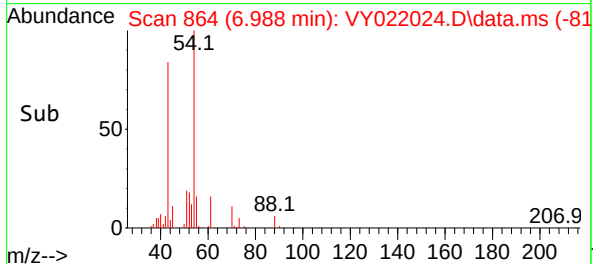
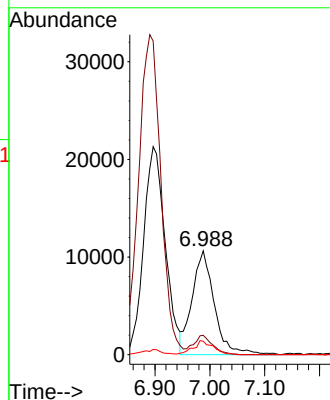
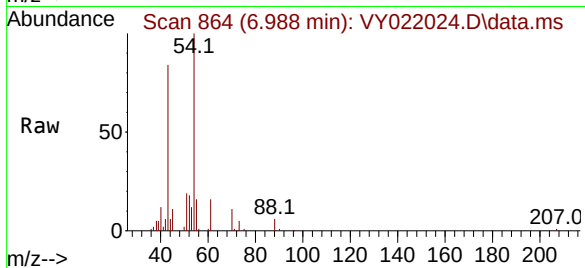
70 12.1 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#38

Carbon Tetrachloride

Concen: 19.805 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

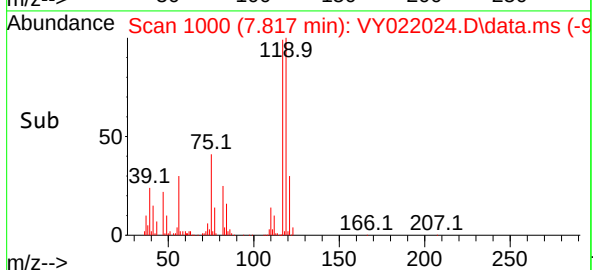
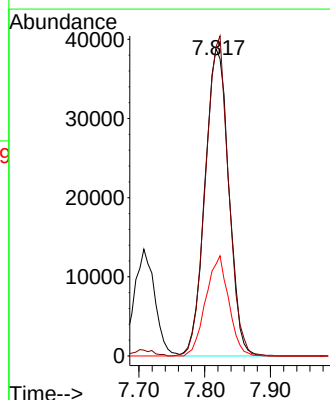
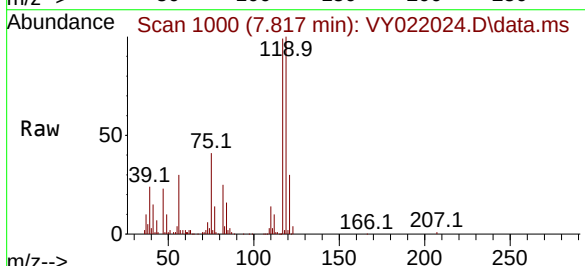
Tgt Ion:117 Resp: 98021

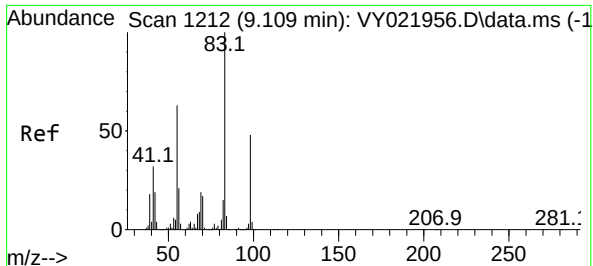
Ion Ratio Lower Upper

117 100

119 100.6 76.2 114.4

121 29.9 24.0 36.0





#39

Methylcyclohexane

Concen: 18.599 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

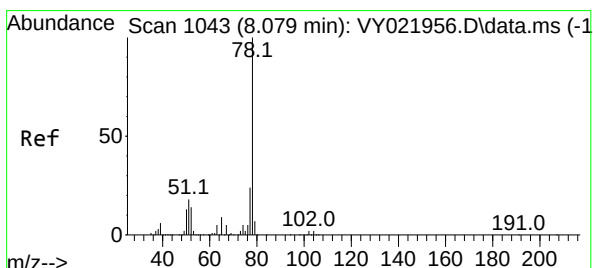
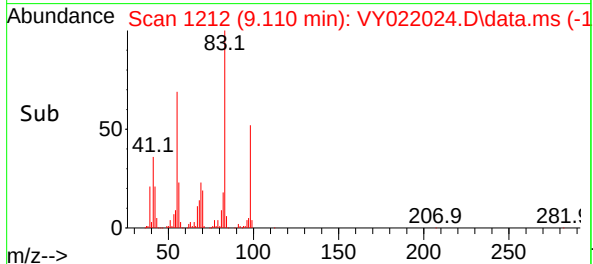
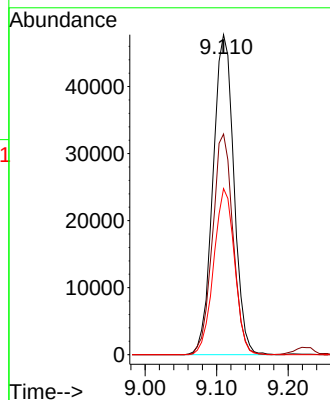
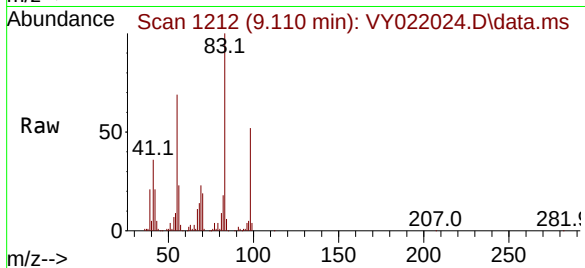
VY0428SBS01

Tgt Ion:	83	Resp:	9694
Ion	Ratio	Lower	Upper
83	100		
55	68.9	50.6	75.8
98	51.9	38.6	58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#40

Benzene

Concen: 20.443 ug/l

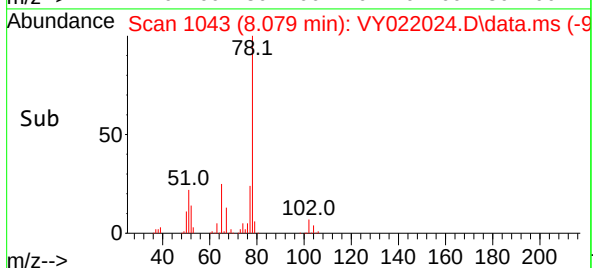
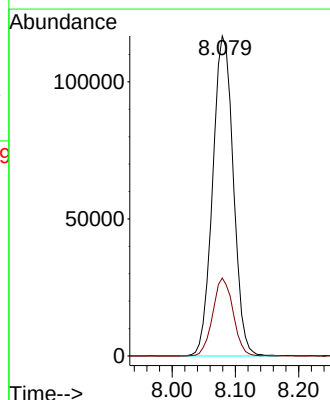
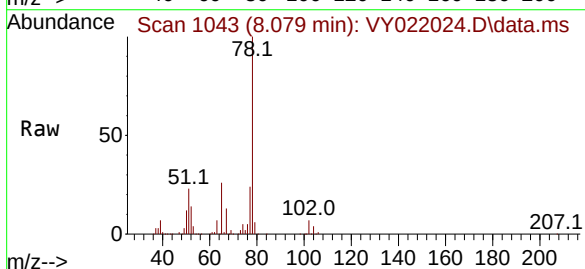
RT: 8.079 min Scan# 1043

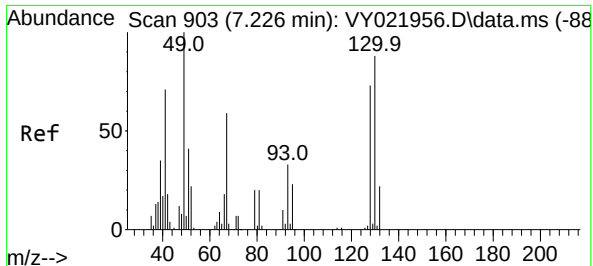
Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:	78	Resp:	264687
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





#41

Methacrylonitrile

Concen: 18.385 ug/l

RT: 7.232 min Scan# 904

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 41 Resp: 14950

Ion Ratio Lower Upper

41 100

39 56.4 36.6 55.0

67 92.1 72.2 108.4

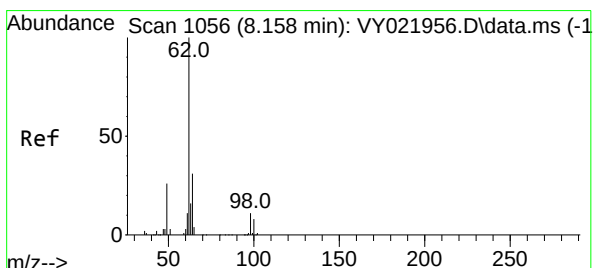
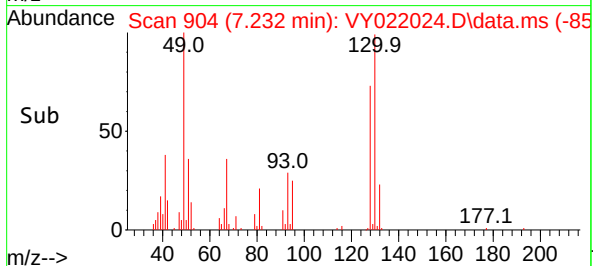
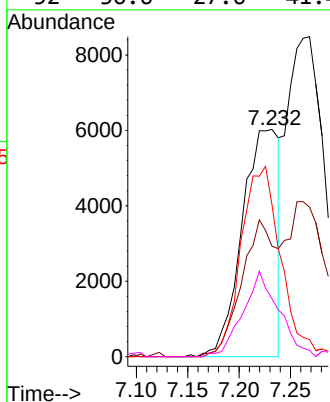
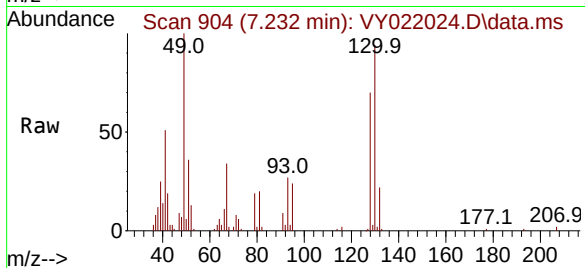
52 36.6 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#42

1,2-Dichloroethane

Concen: 20.582 ug/l

RT: 8.159 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY022024.D

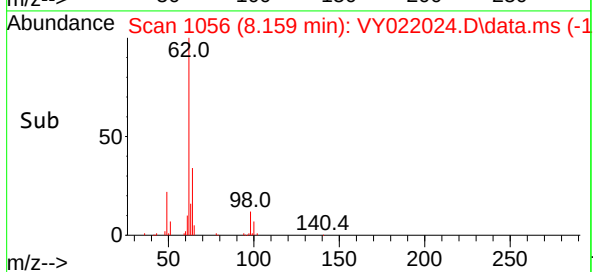
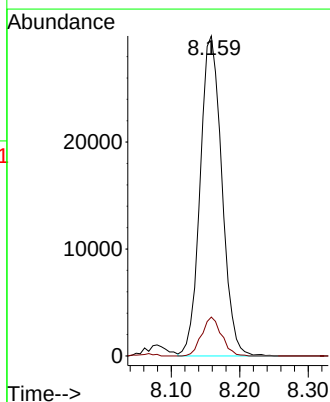
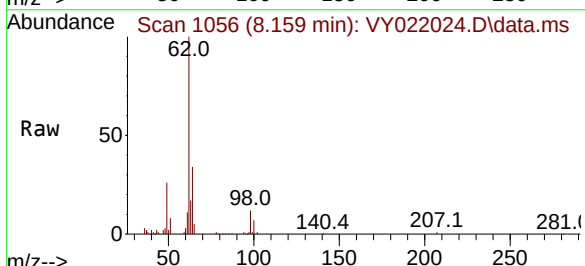
Acq: 28 Apr 2025 12:02

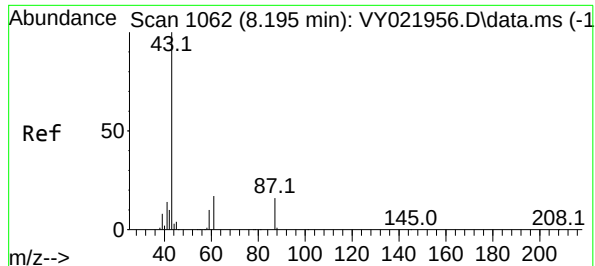
Tgt Ion: 62 Resp: 65978

Ion Ratio Lower Upper

62 100

98 11.1 0.0 22.0





#43

Isopropyl Acetate

Concen: 19.390 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

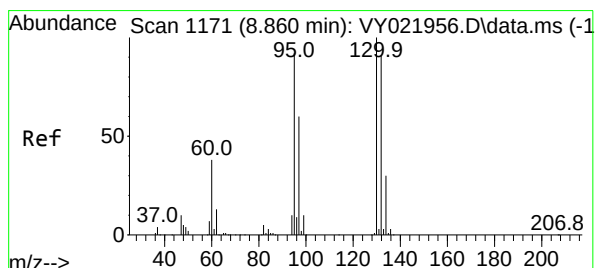
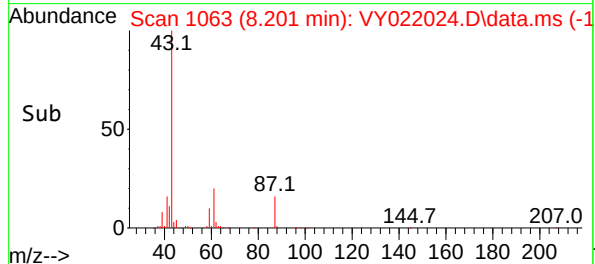
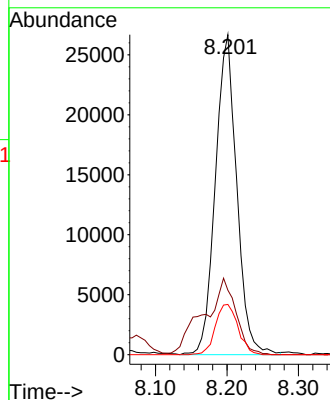
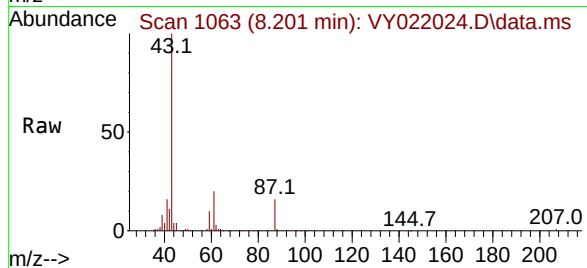
ClientSampleId :

VY0428SBS01

Tgt Ion: 43	Resp: 5539
Ion Ratio	Lower Upper
43	100
61	36.1 18.9 28.3
87	16.6 13.7 20.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#44

Trichloroethene

Concen: 20.483 ug/l

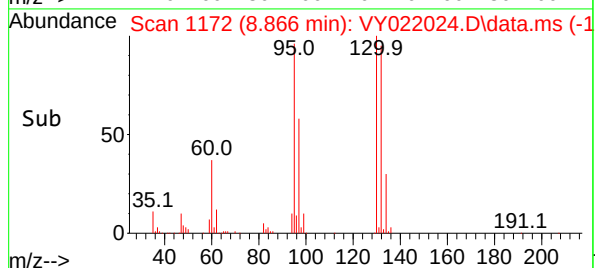
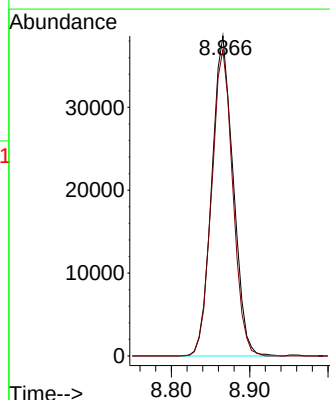
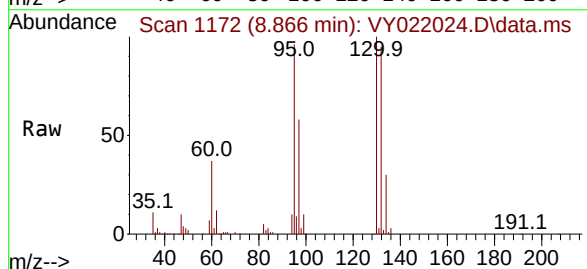
RT: 8.866 min Scan# 1172

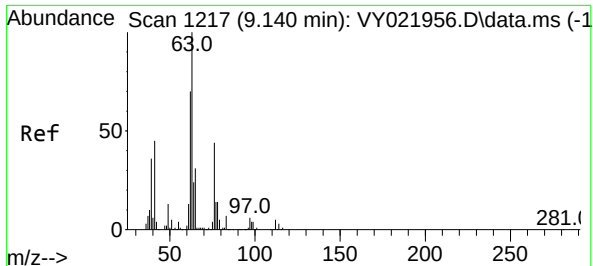
Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:130	Resp: 73456
Ion Ratio	Lower Upper
130	100
95	95.7 0.0 183.2





#45

1,2-Dichloropropane

Concen: 20.206 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion: 63 Resp: 5785

Ion Ratio Lower Upper

63 100

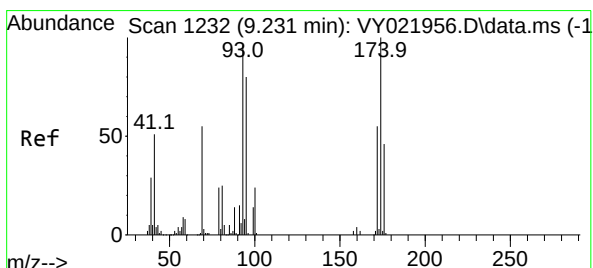
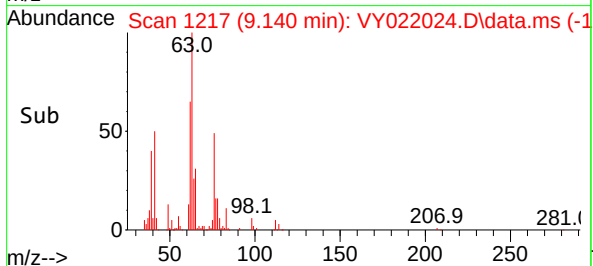
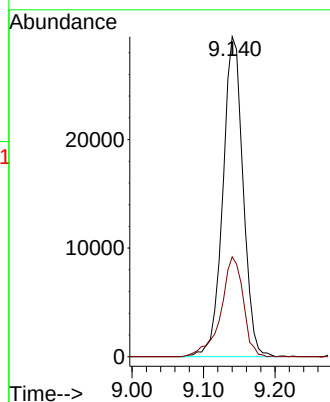
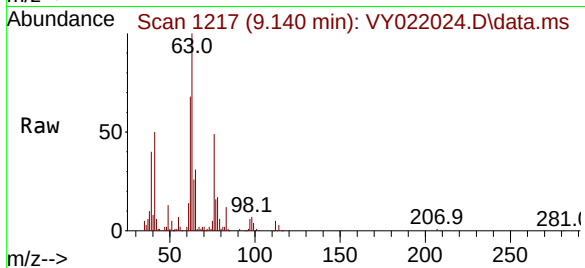
65 31.2 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#46

Dibromomethane

Concen: 20.368 ug/l

RT: 9.232 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

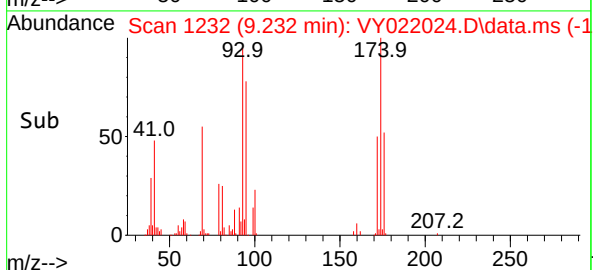
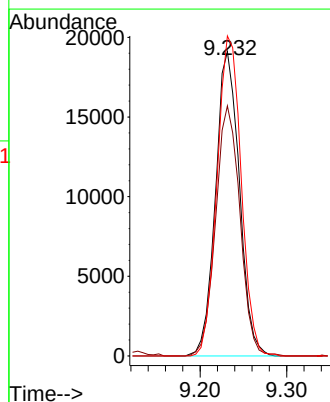
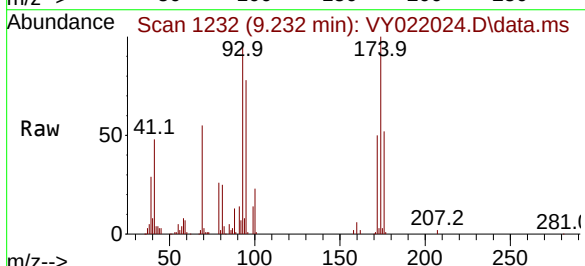
Tgt Ion: 93 Resp: 36507

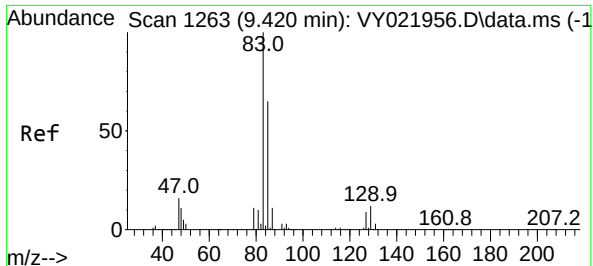
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 106.5 84.6 127.0





#47

Bromodichloromethane

Concen: 20.518 ug/l

RT: 9.427 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

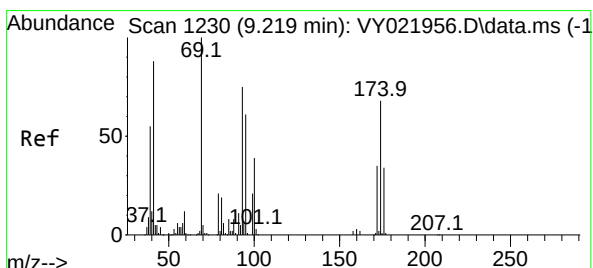
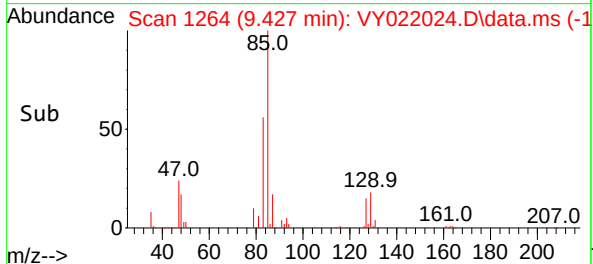
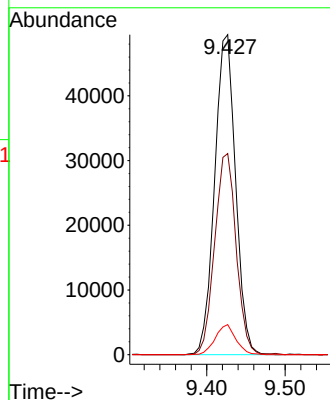
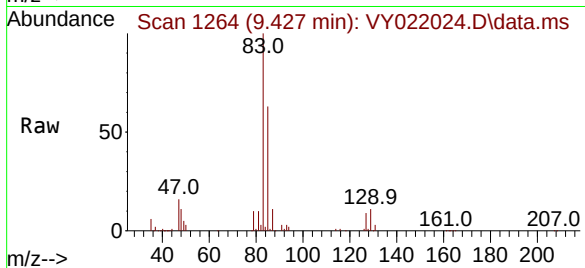
Tgt Ion:	83	Resp:	91869
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.8	77.8
127	9.4	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#48

Methyl methacrylate

Concen: 18.731 ug/l

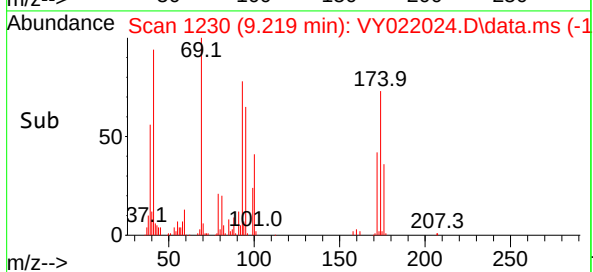
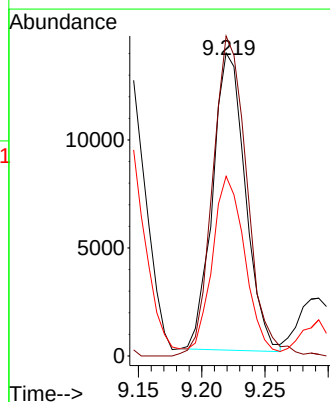
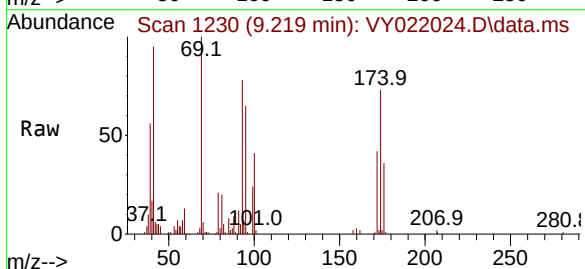
RT: 9.219 min Scan# 1230

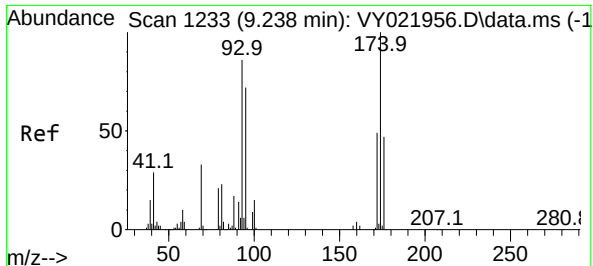
Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:	41	Resp:	24736
Ion Ratio	Lower	Upper	
41	100		
69	113.0	85.5	128.3
39	57.1	46.2	69.4





#49

1,4-Dioxane

Concen: 399.035 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

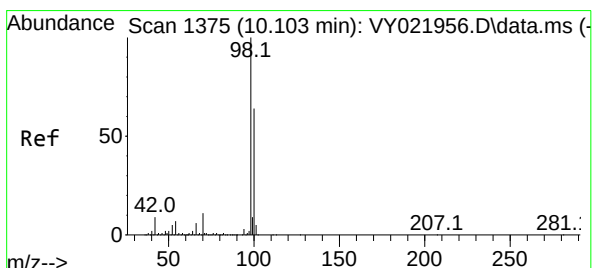
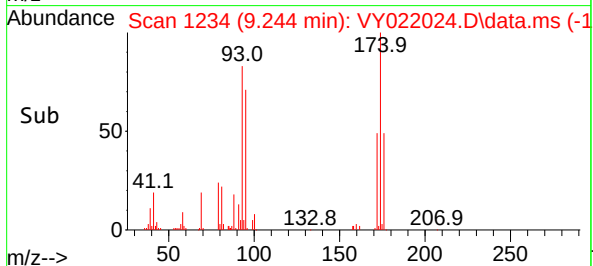
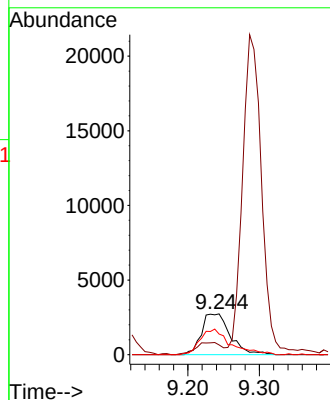
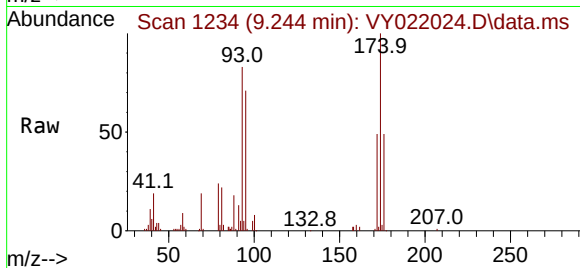
ClientSampleId :

VY0428SBS01

Tgt Ion: 88	Resp: 762
Ion Ratio	Lower Upper
88 100	
43 26.3	21.3 31.9
58 66.3	50.5 75.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#50

Toluene-d8

Concen: 50.256 ug/l

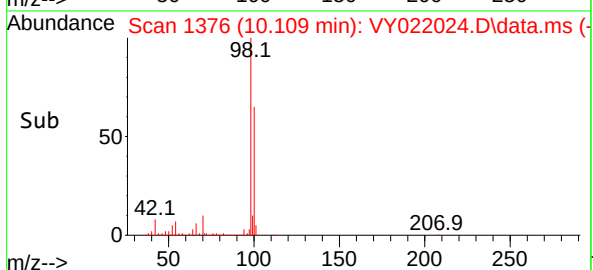
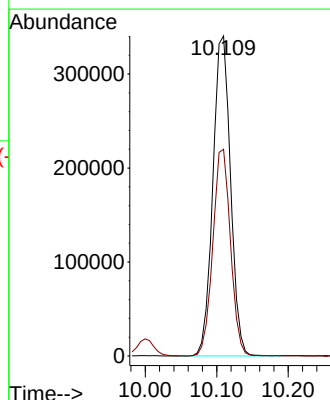
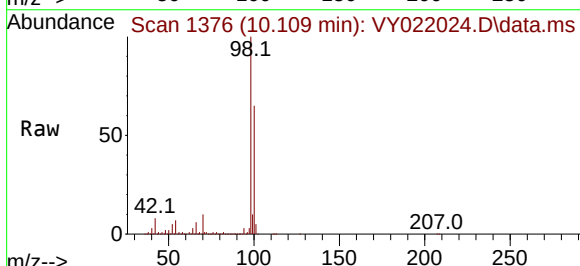
RT: 10.109 min Scan# 1376

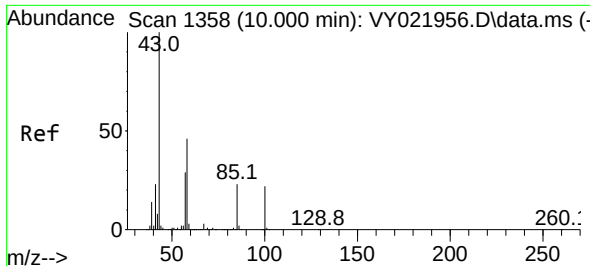
Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

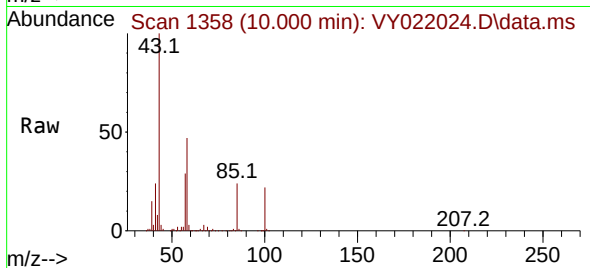
Tgt Ion: 98	Resp: 584198
Ion Ratio	Lower Upper
98 100	
100 64.7	51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 96.444 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

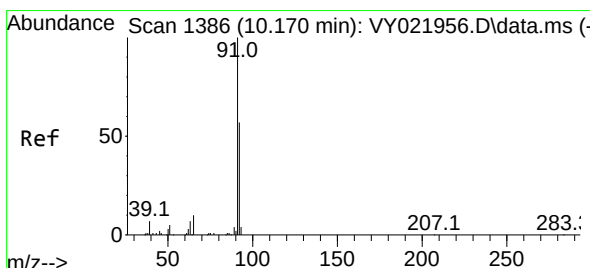
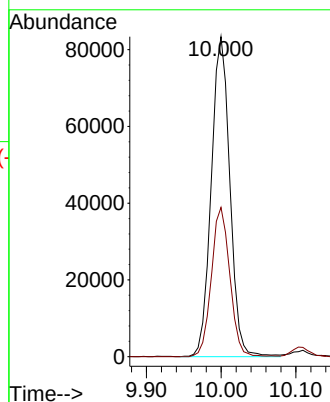
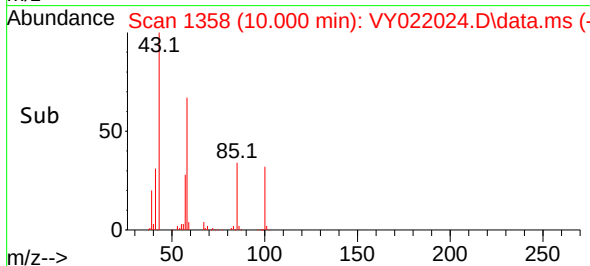
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



Tgt Ion: 43 Resp: 14442
Ion Ratio Lower Upper
43 100
58 46.1 36.6 55.0

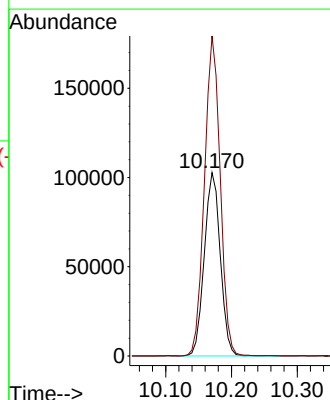
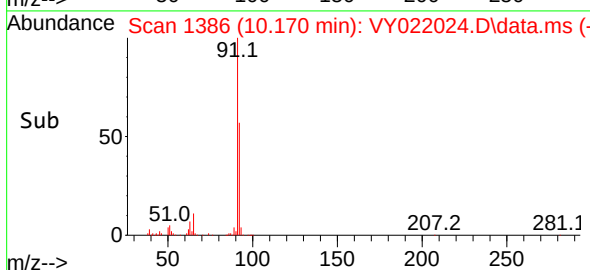
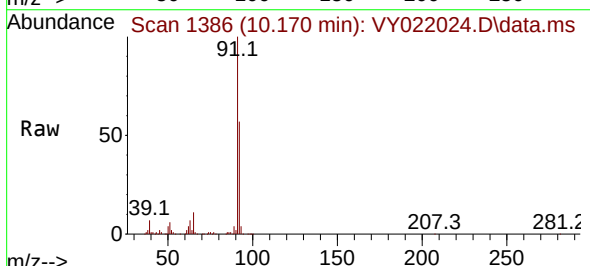
Manual Integrations
APPROVED

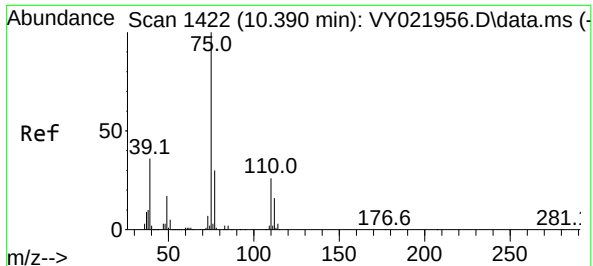
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#52
Toluene
Concen: 20.700 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

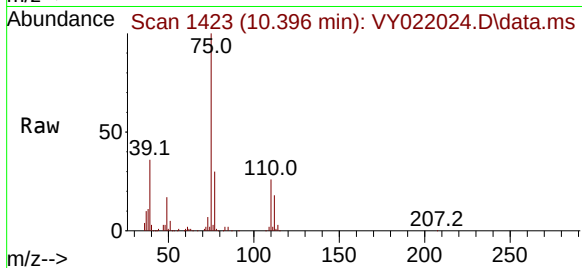
Tgt Ion: 92 Resp: 173484
Ion Ratio Lower Upper
92 100
91 172.3 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 19.883 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

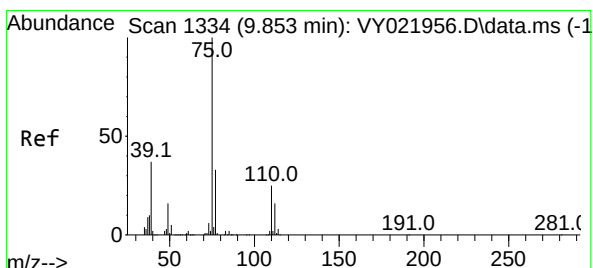
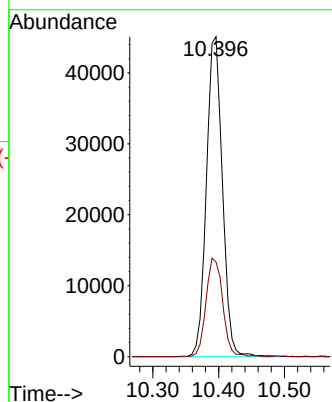
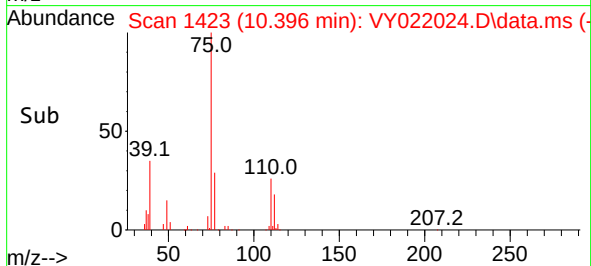
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



Tgt Ion: 75 Resp: 7636
Ion Ratio Lower Upper
75 100
77 29.4 24.0 36.0

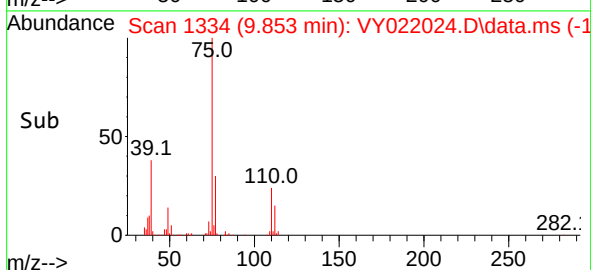
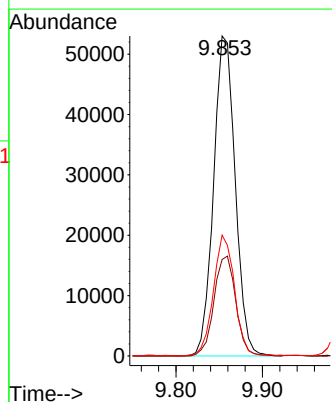
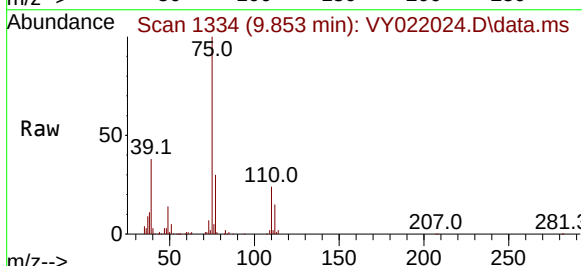
Manual Integrations
APPROVED

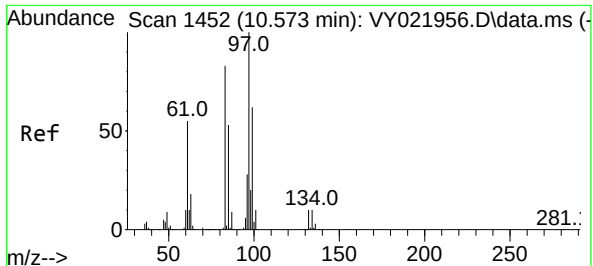
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#54
cis-1,3-Dichloropropene
Concen: 20.137 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

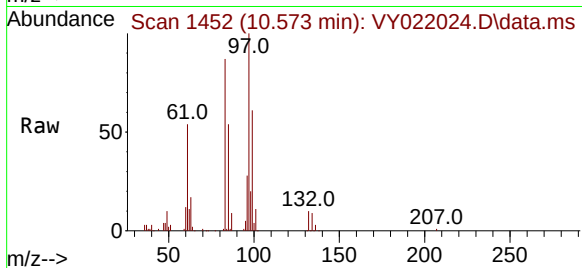
Tgt Ion: 75 Resp: 91935
Ion Ratio Lower Upper
75 100
77 30.1 26.6 40.0
39 37.8 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.981 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

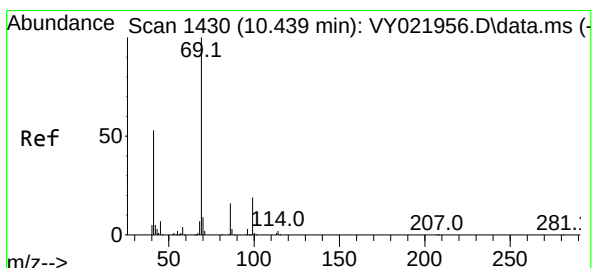
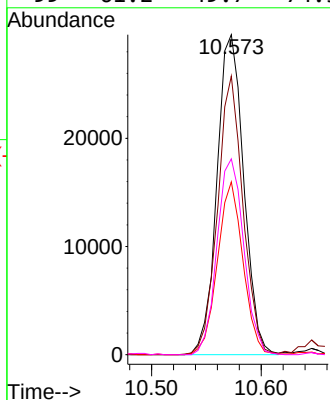
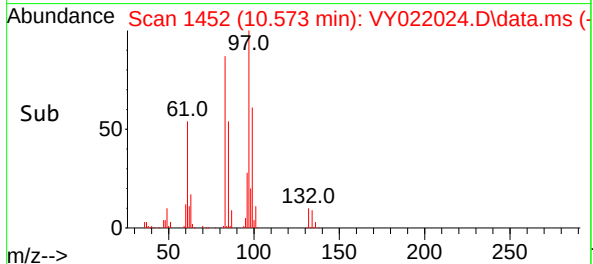
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



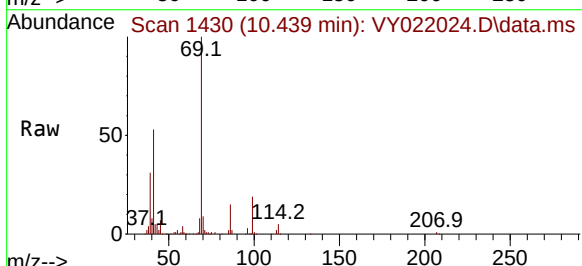
Tgt Ion: 97 Resp: 5023
Ion Ratio Lower Upper
97 100
83 87.1 66.7 100.1
85 54.0 42.6 64.0
99 61.2 49.7 74.5

Manual Integrations
APPROVED

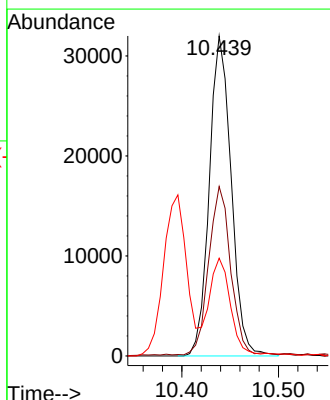
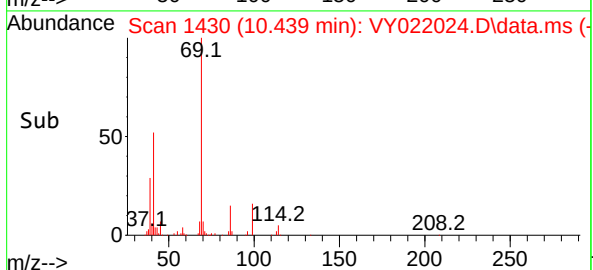
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

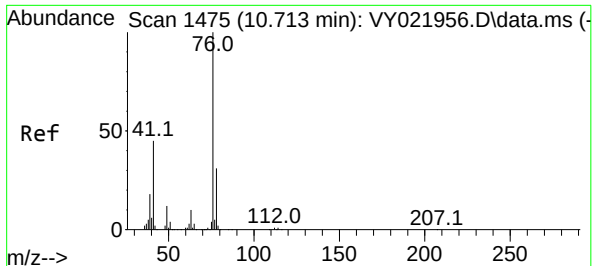


#56
Ethyl methacrylate
Concen: 18.381 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



Tgt Ion: 69 Resp: 50325
Ion Ratio Lower Upper
69 100
41 52.6 40.7 61.1
39 31.2 23.3 34.9





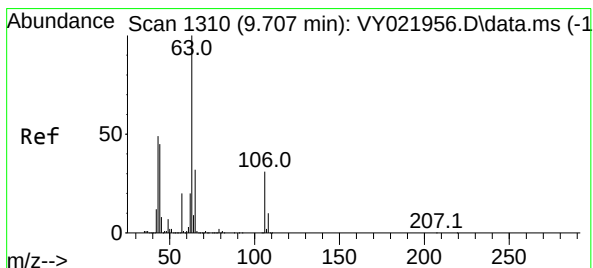
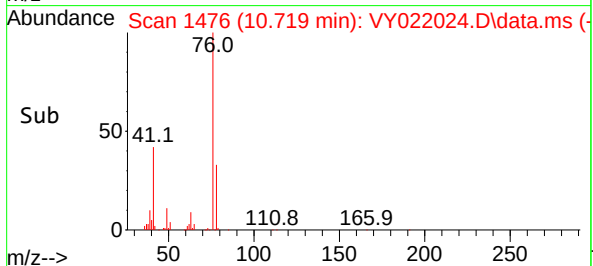
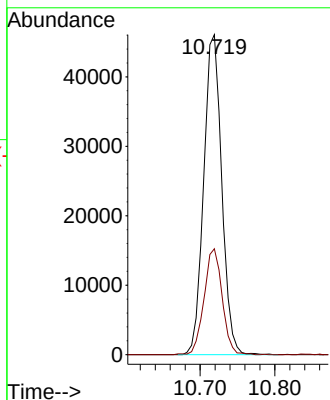
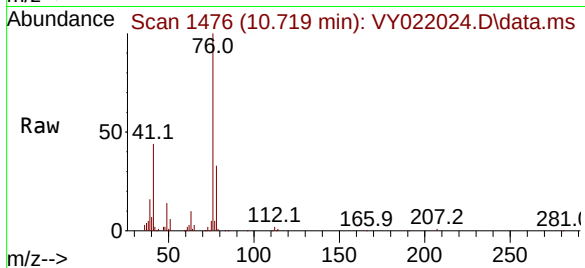
#57
1,3-Dichloropropane
Concen: 20.097 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Tgt Ion: 76 Resp: 77135
Ion Ratio Lower Upper
76 100
78 33.3 26.6 39.8

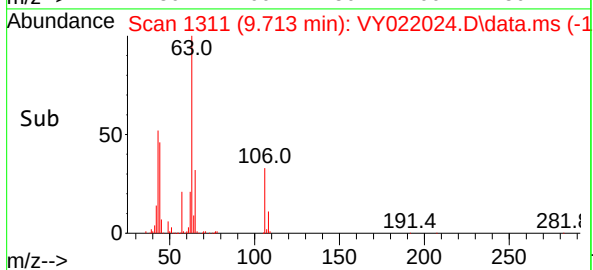
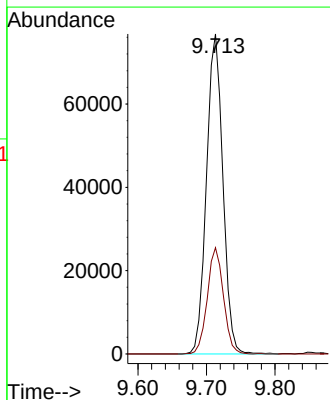
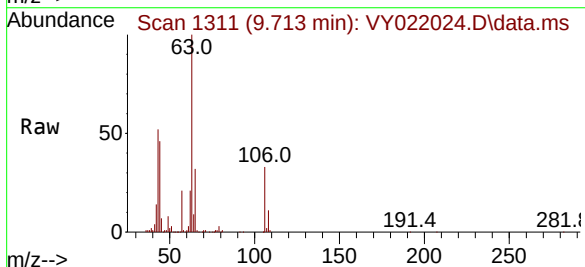
Manual Integrations
APPROVED

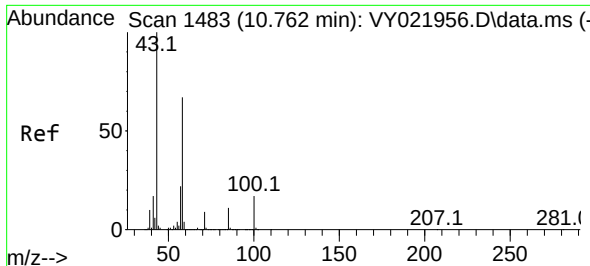
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#58
2-Chloroethyl Vinyl ether
Concen: 95.443 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion: 63 Resp: 127764
Ion Ratio Lower Upper
63 100
106 32.7 25.3 37.9





#59

2-Hexanone

Concen: 95.387 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022024.D

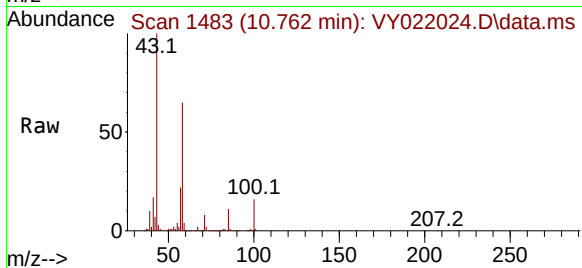
Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01



Tgt Ion: 43 Resp: 94218

Ion Ratio Lower Upper

43 100

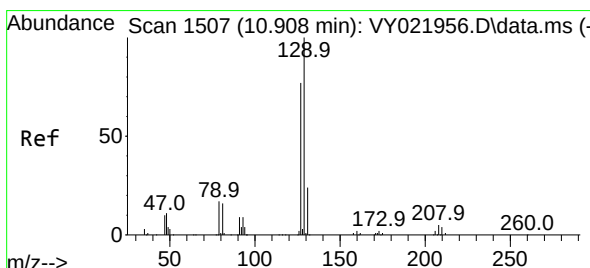
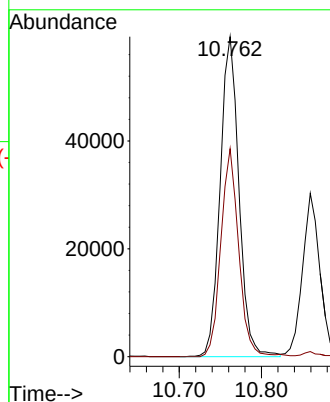
58 61.9 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#60

Dibromochloromethane

Concen: 20.304 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY022024.D

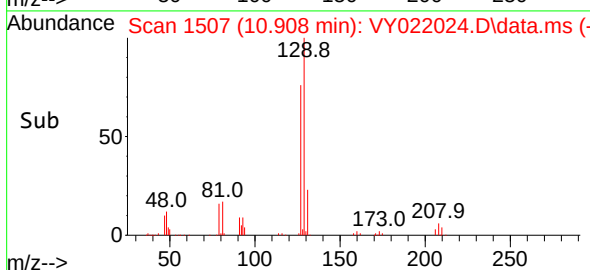
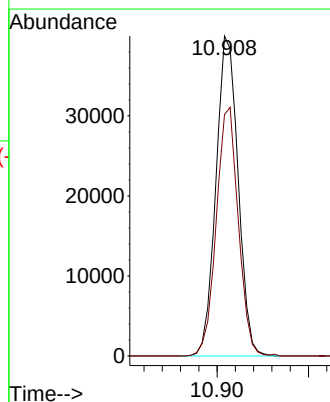
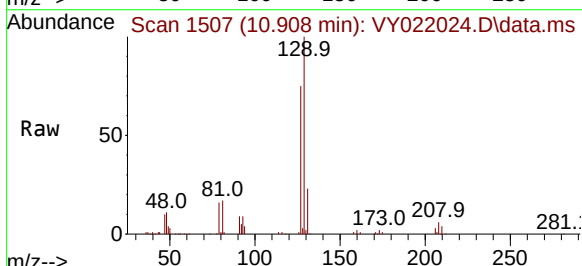
Acq: 28 Apr 2025 12:02

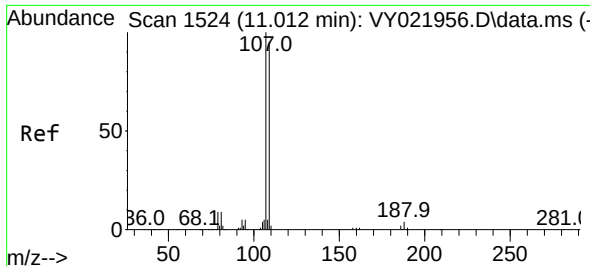
Tgt Ion:129 Resp: 67301

Ion Ratio Lower Upper

129 100

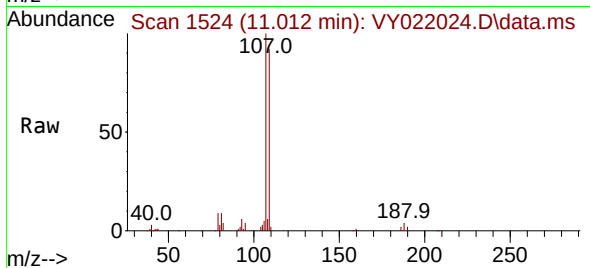
127 77.3 38.5 115.3





#61
1,2-Dibromoethane
Concen: 20.658 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

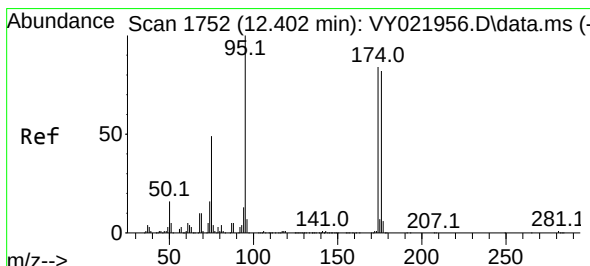
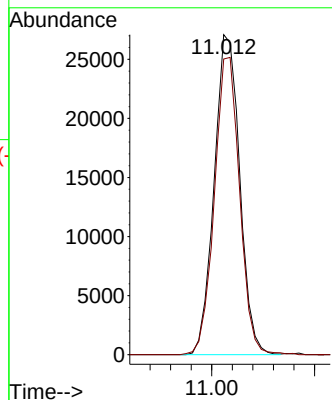
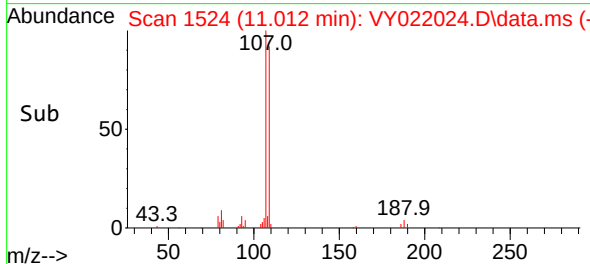
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



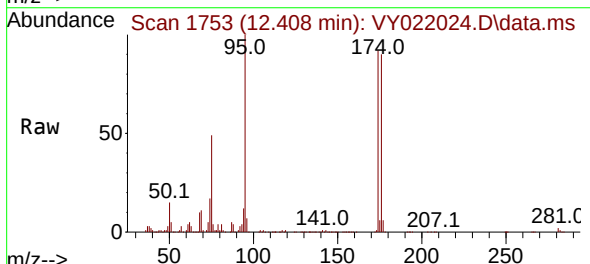
Tgt Ion: 107 Resp: 46692
Ion Ratio Lower Upper
107 100
109 91.8 75.8 113.8

Manual Integrations
APPROVED

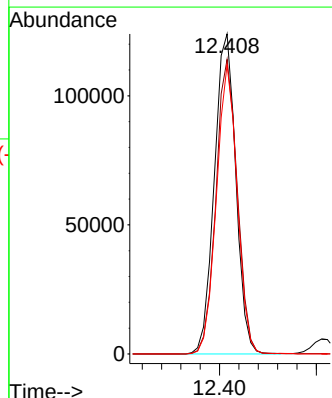
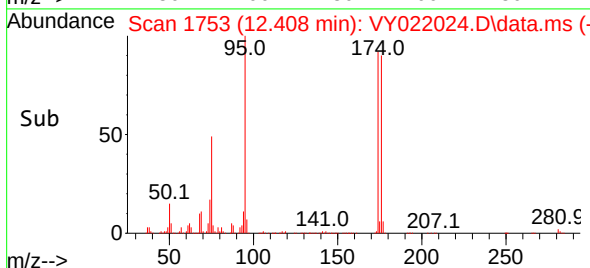
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

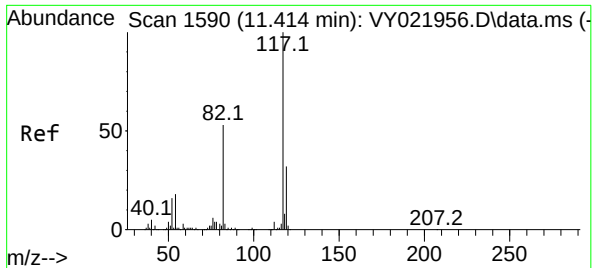


#62
4-Bromofluorobenzene
Concen: 48.805 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



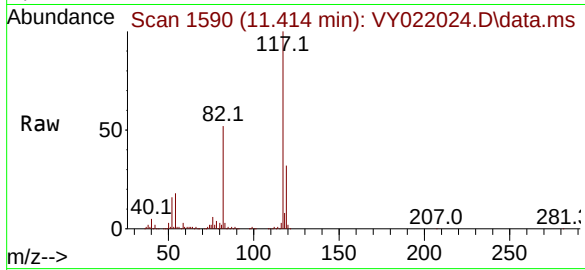
Tgt Ion: 95 Resp: 190988
Ion Ratio Lower Upper
95 100
174 91.4 0.0 179.0
176 87.4 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

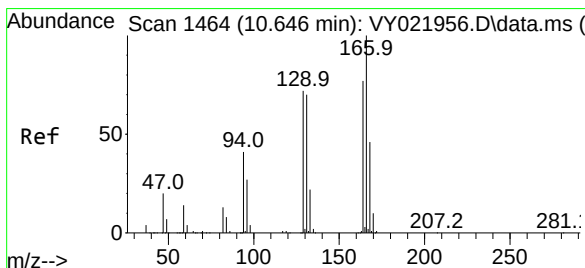
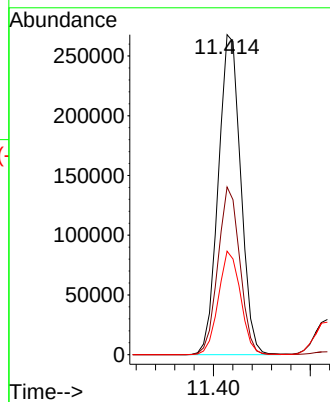
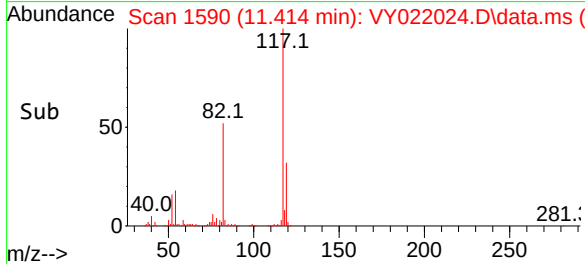
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



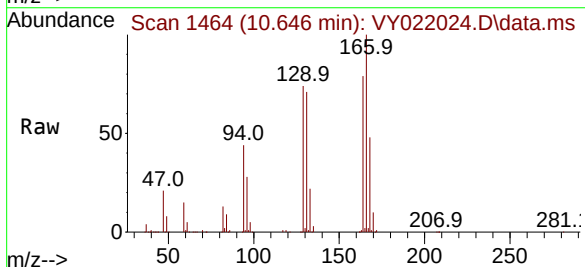
Tgt Ion:117 Resp: 43010
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 32.3 25.7 38.5

Manual Integrations
APPROVED

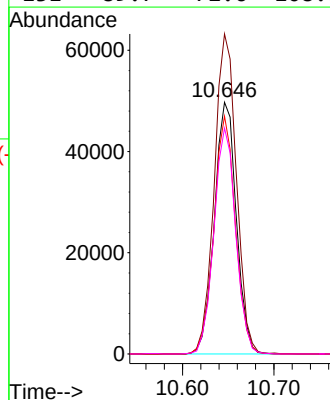
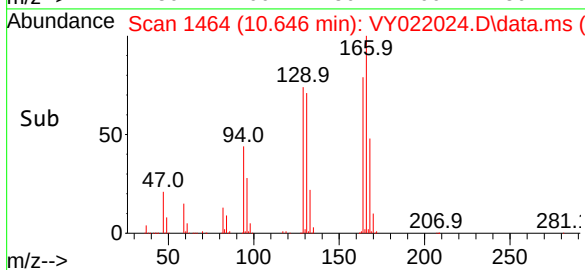
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

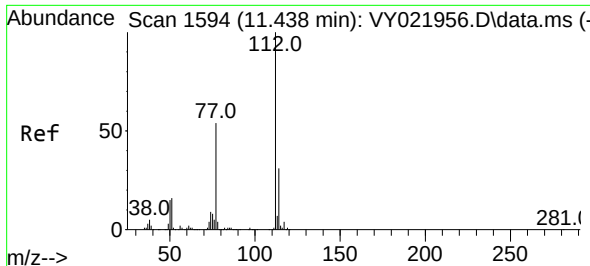


#64
Tetrachloroethene
Concen: 20.462 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



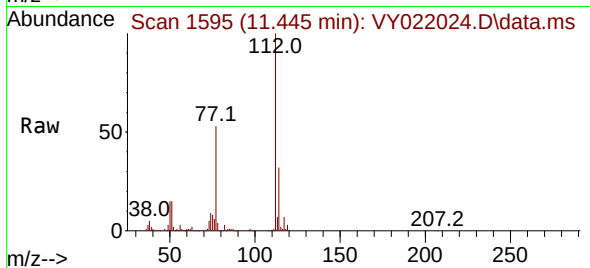
Tgt Ion:164 Resp: 83023
Ion Ratio Lower Upper
164 100
166 127.1 103.6 155.4
129 94.4 74.2 111.4
131 89.7 72.6 108.8





#65
Chlorobenzene
Concen: 19.892 ug/l
RT: 11.445 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

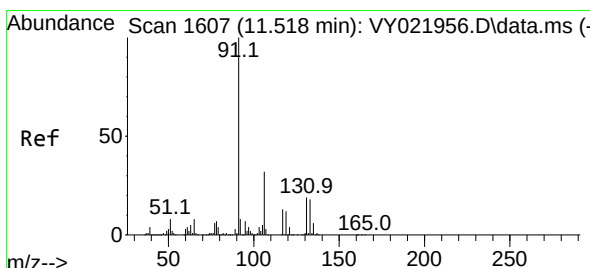
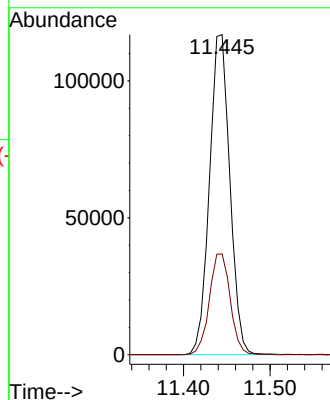
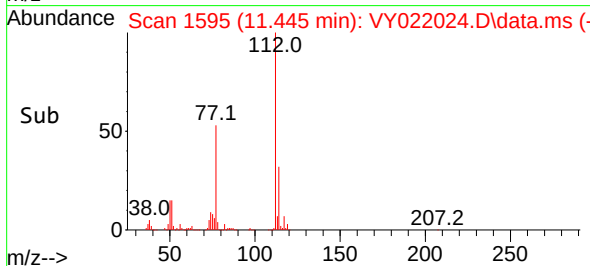
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



Tgt Ion:112 Resp: 19132
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.4

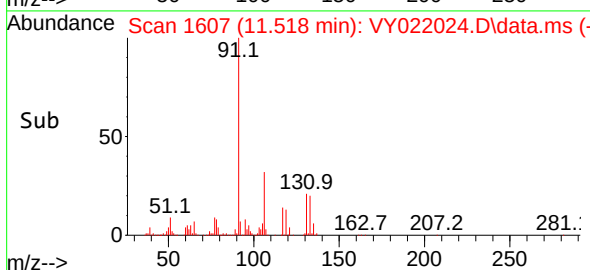
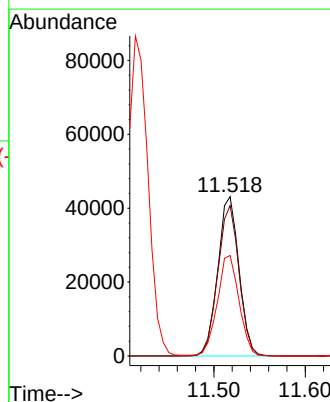
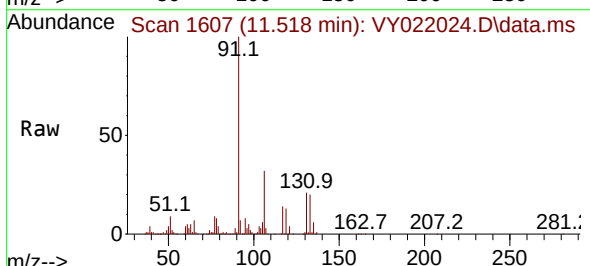
Manual Integrations
APPROVED

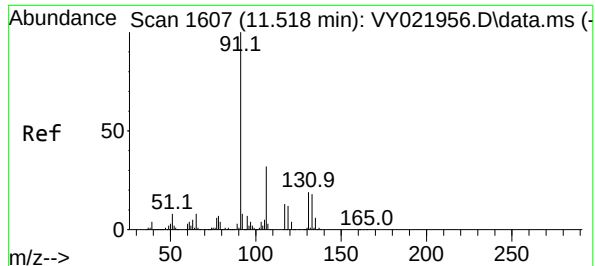
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.558 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

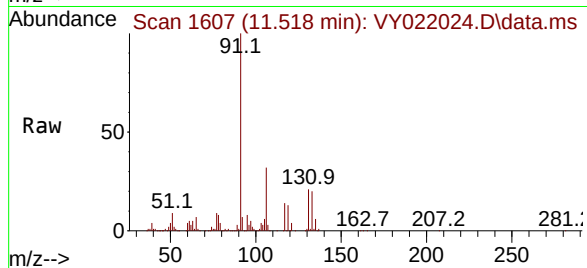
Tgt Ion:131 Resp: 69613
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 64.9 32.4 97.0





#67
Ethyl Benzene
Concen: 19.716 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

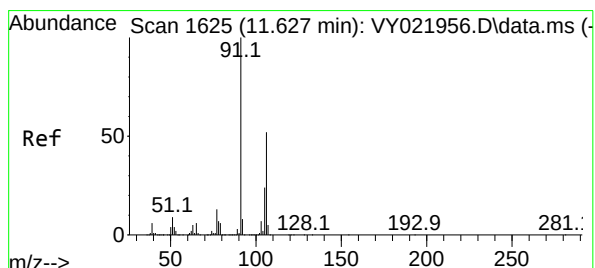
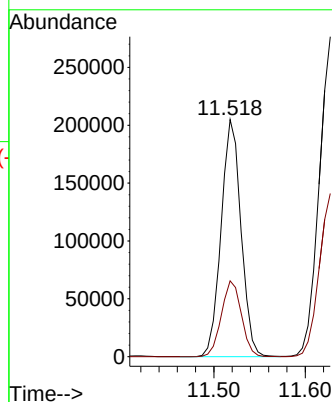
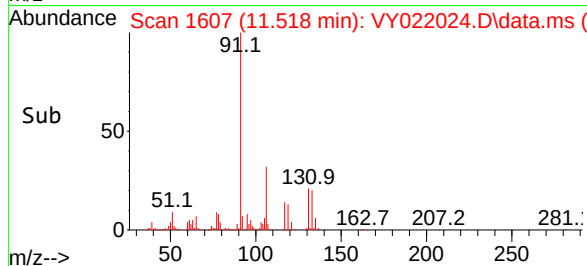
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



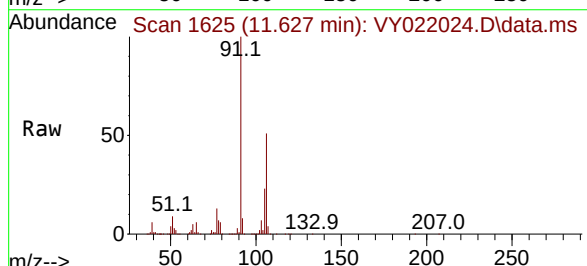
Tgt Ion: 91 Resp: 31020
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9

Manual Integrations
APPROVED

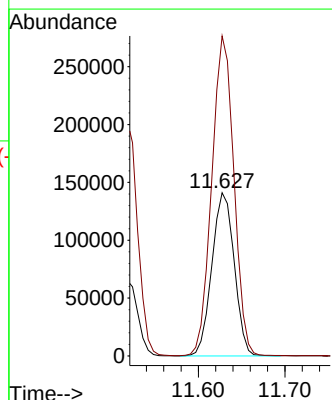
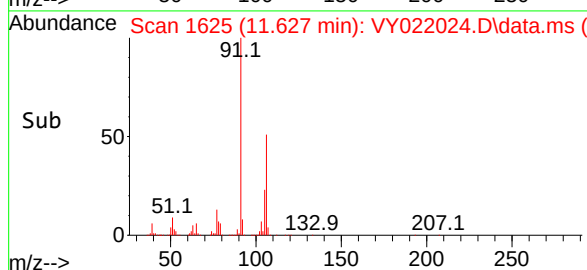
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

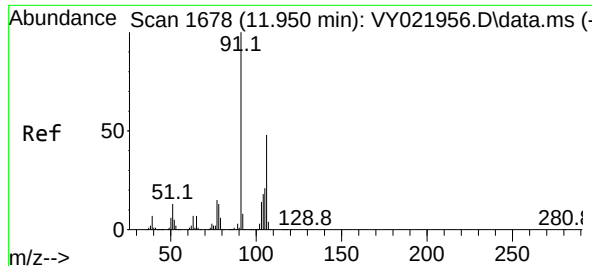


#68
m/p-Xylenes
Concen: 40.415 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



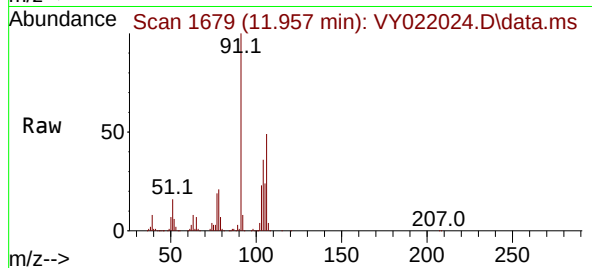
Tgt Ion:106 Resp: 253033
Ion Ratio Lower Upper
106 100
91 194.0 156.2 234.2





#69
o-Xylene
Concen: 19.899 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

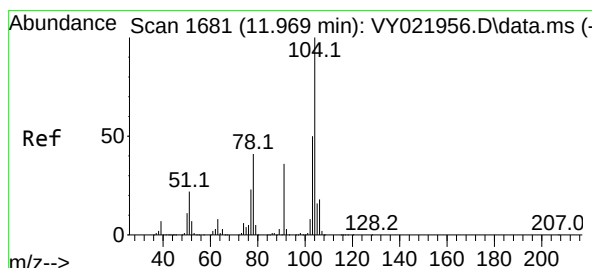
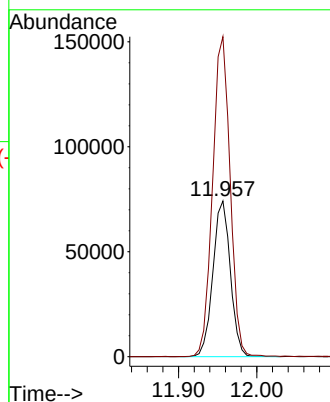
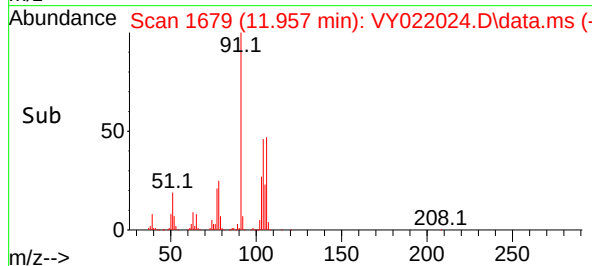
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



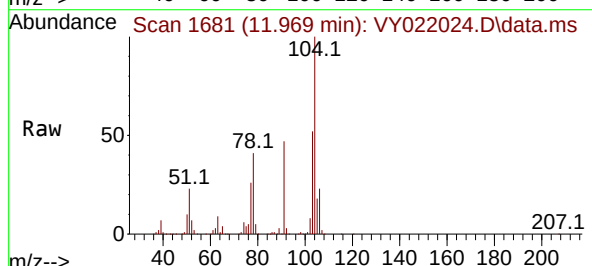
Tgt Ion:106 Resp: 11482
Ion Ratio Lower Upper
106 100
91 206.5 103.0 308.9

Manual Integrations
APPROVED

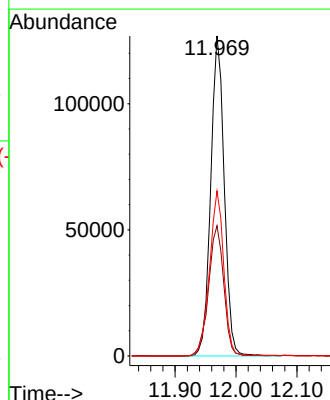
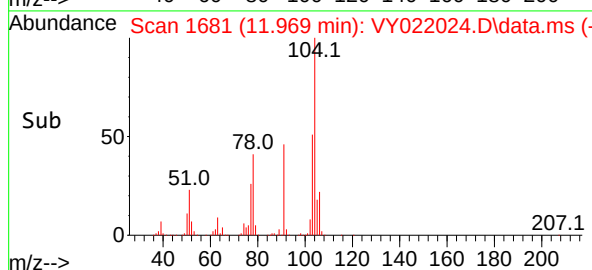
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

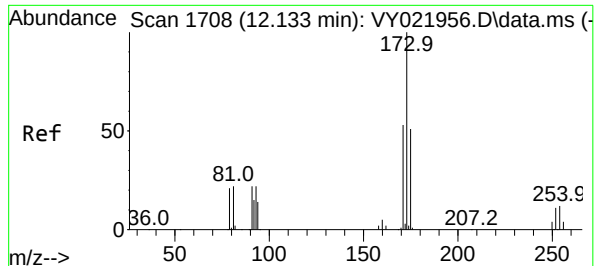


#70
Styrene
Concen: 20.210 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



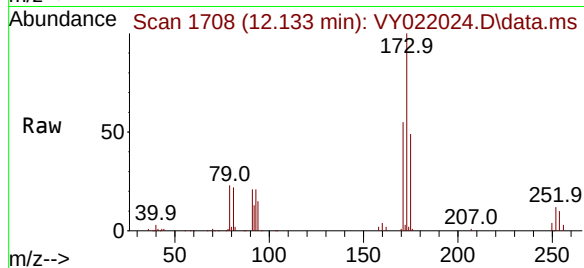
Tgt Ion:104 Resp: 195808
Ion Ratio Lower Upper
104 100
78 45.6 36.6 54.8
103 54.4 43.8 65.8





#71
Bromoform
Concen: 20.560 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

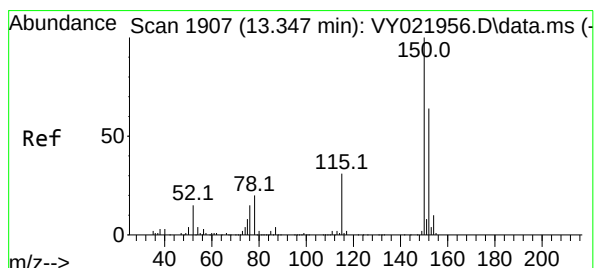
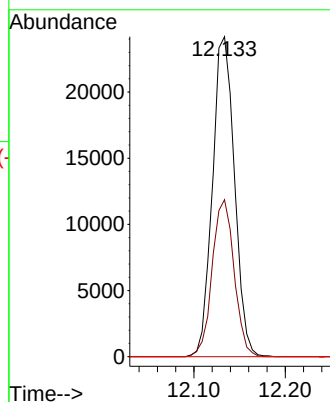
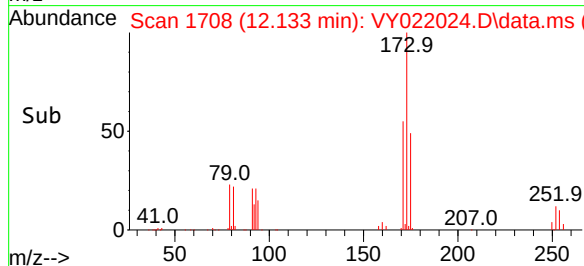
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



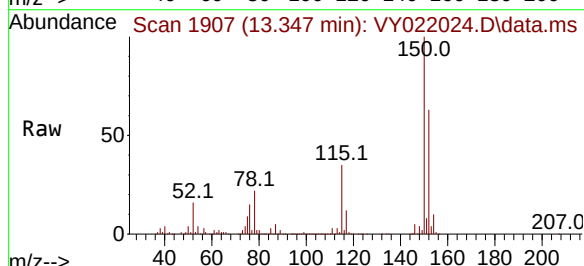
Tgt Ion:173 Resp: 40470
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

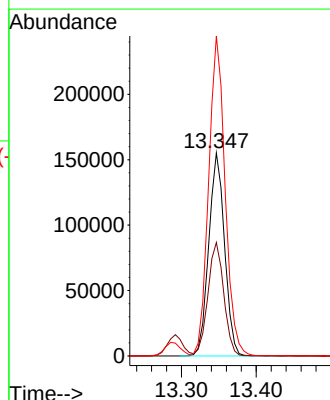
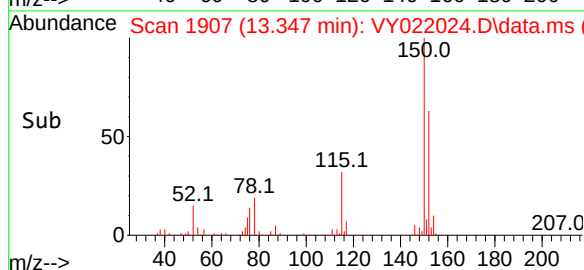
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

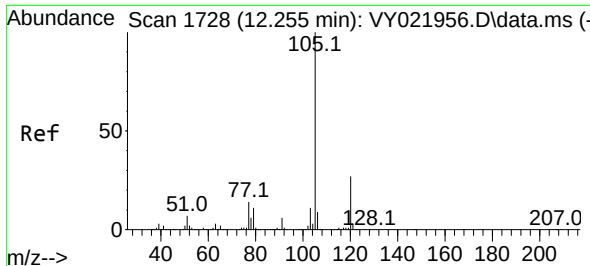


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



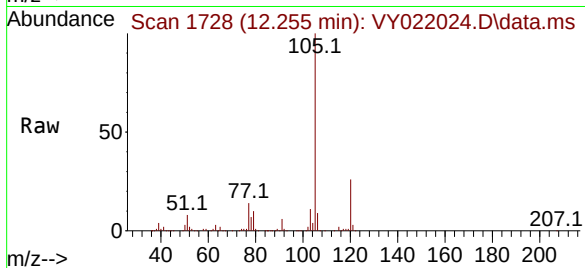
Tgt Ion:152 Resp: 228742
Ion Ratio Lower Upper
152 100
115 55.8 28.0 84.0
150 163.6 0.0 345.6





#73
Isopropylbenzene
Concen: 19.549 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

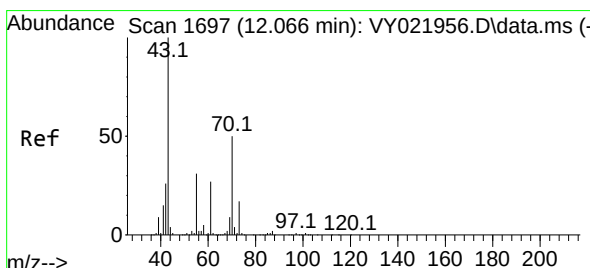
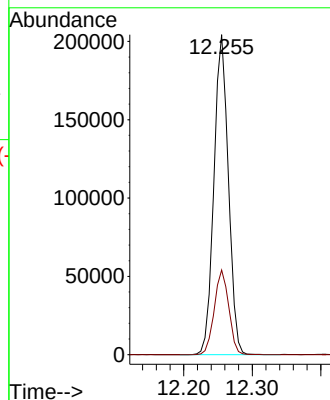
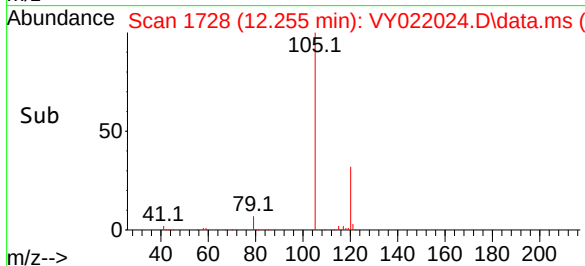
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



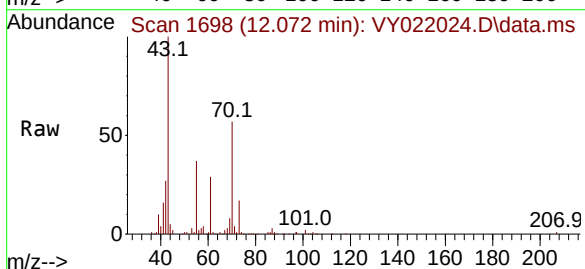
Tgt Ion: 105 Resp: 29875
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5

Manual Integrations
APPROVED

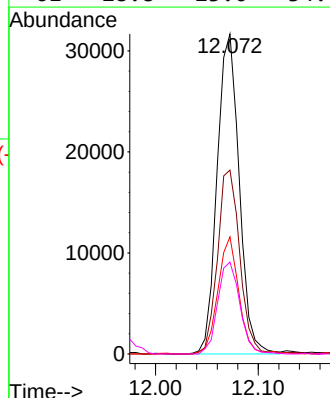
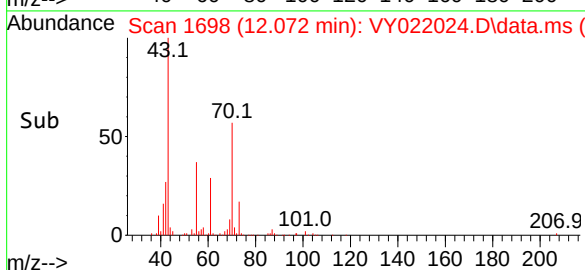
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

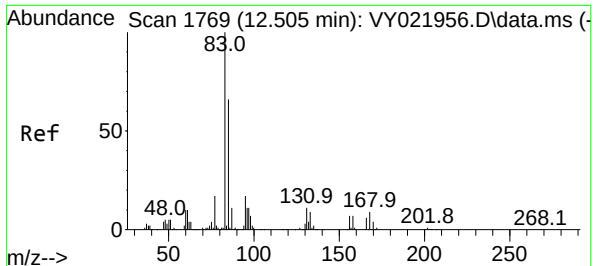


#74
N-ethyl acetate
Concen: 17.999 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



Tgt Ion: 43 Resp: 47258
Ion Ratio Lower Upper
43 100
70 58.2 43.2 64.8
55 34.8 25.7 38.5
61 28.8 23.0 34.6





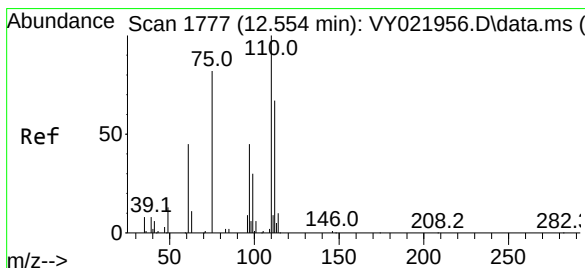
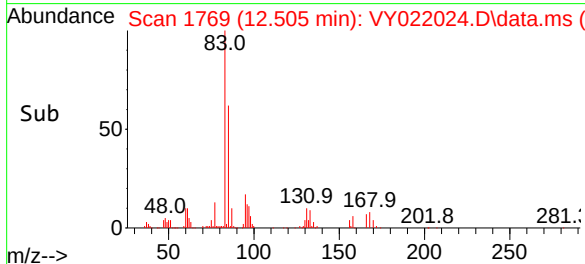
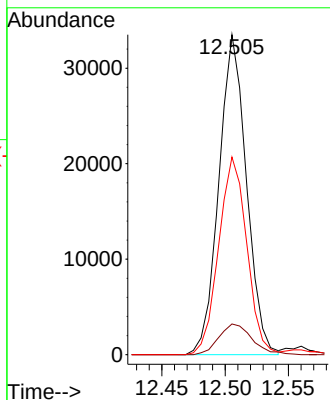
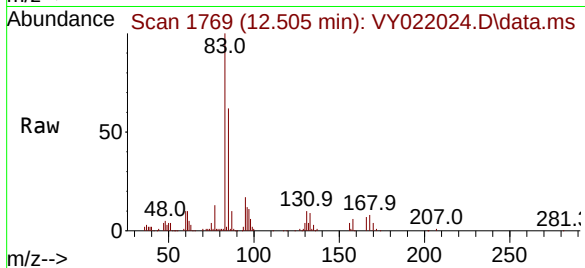
#75
1,1,2,2-Tetrachloroethane
Concen: 19.701 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Tgt Ion: 83 Resp: 50760
Ion Ratio Lower Upper
83 100
131 11.5 5.5 16.4
85 63.0 32.3 96.8

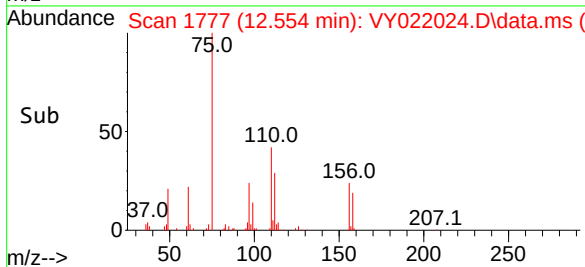
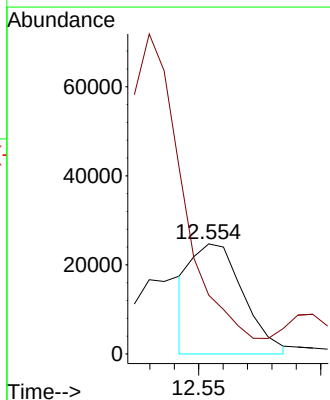
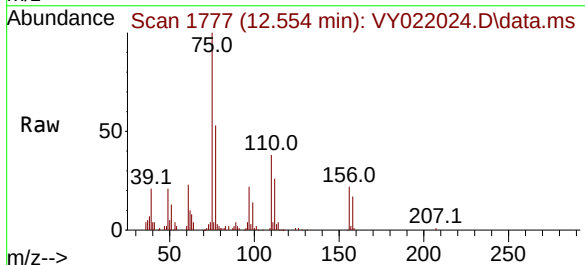
Manual Integrations
APPROVED

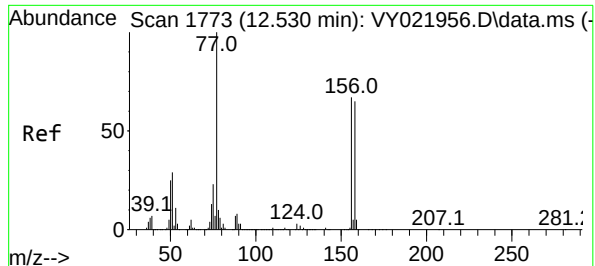
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#76
1,2,3-Trichloropropane
Concen: 18.823 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion: 75 Resp: 36880
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





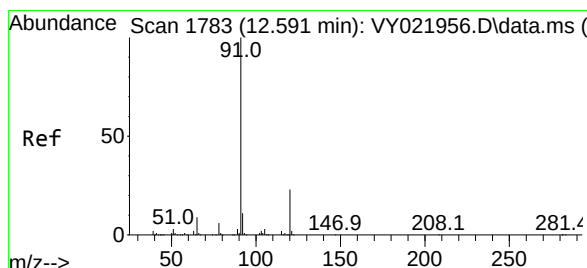
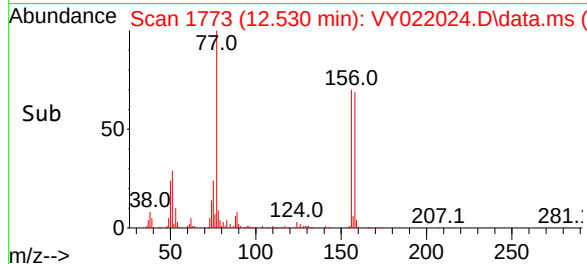
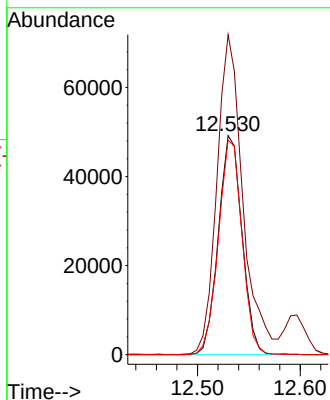
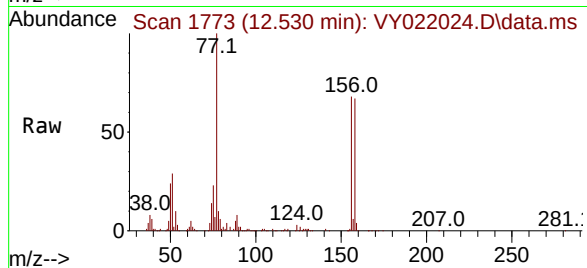
#77
Bromobenzene
Concen: 20.371 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01

Tgt Ion:156 Resp: 7866
Ion Ratio Lower Upper
156 100
77 160.9 82.7 248.1
158 97.8 48.1 144.4

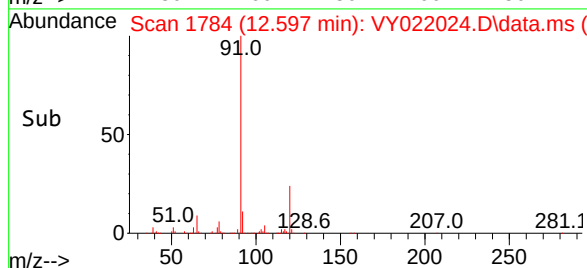
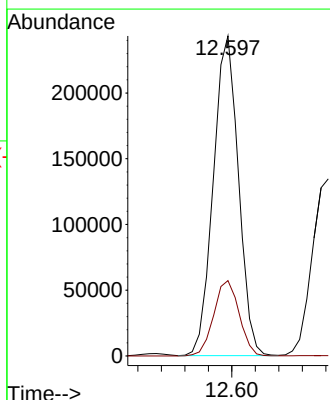
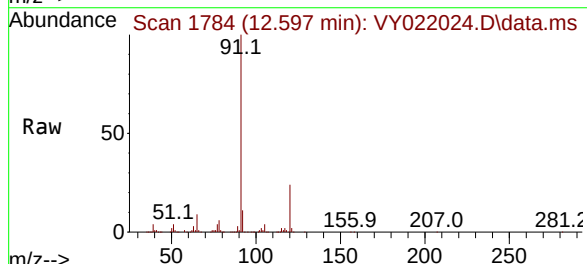
Manual Integrations
APPROVED

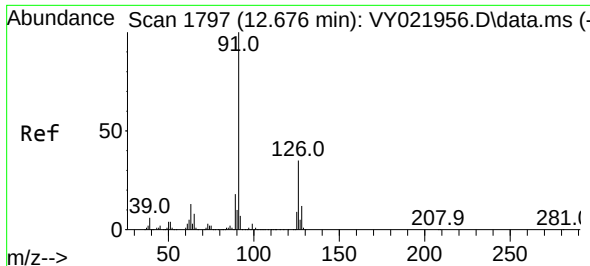
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#78
n-propylbenzene
Concen: 19.846 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

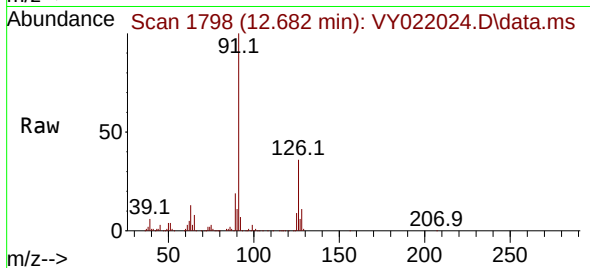
Tgt Ion: 91 Resp: 361182
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.5





#79
2-Chlorotoluene
Concen: 19.762 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

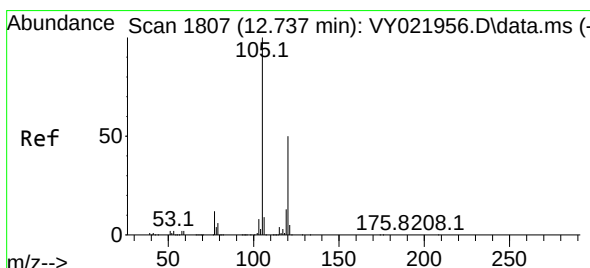
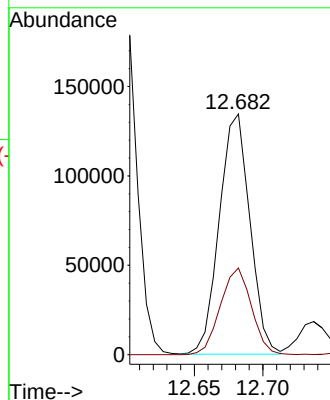
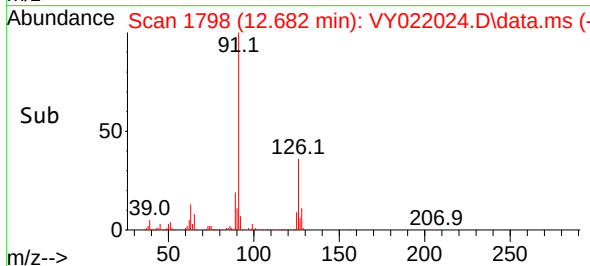
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



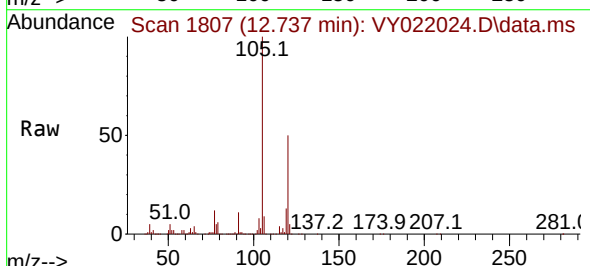
Tgt Ion: 91 Resp: 209164
Ion Ratio Lower Upper
91 100
126 36.4 17.9 53.8

Manual Integrations
APPROVED

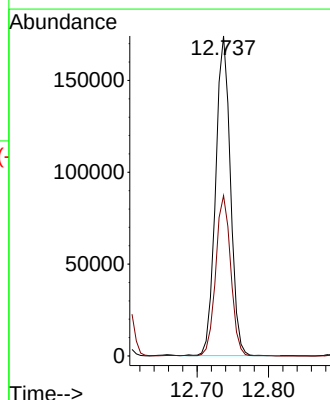
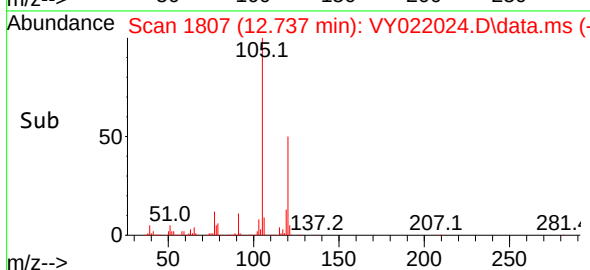
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

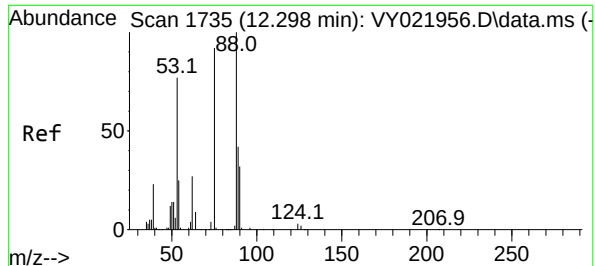


#80
1,3,5-Trimethylbenzene
Concen: 19.833 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



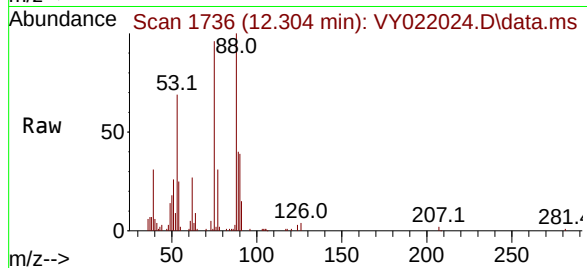
Tgt Ion:105 Resp: 249733
Ion Ratio Lower Upper
105 100
120 50.9 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.001 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

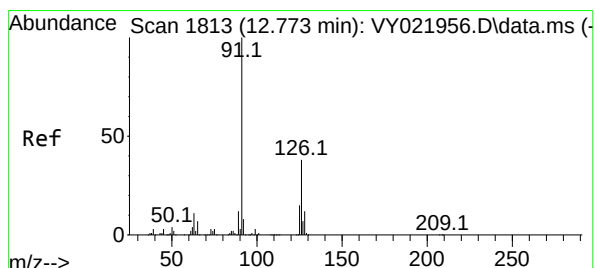
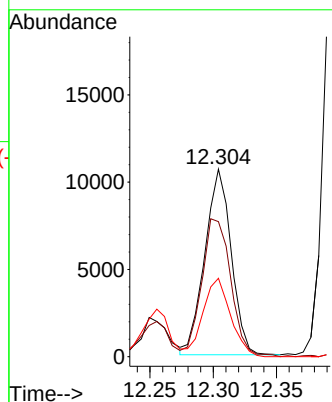
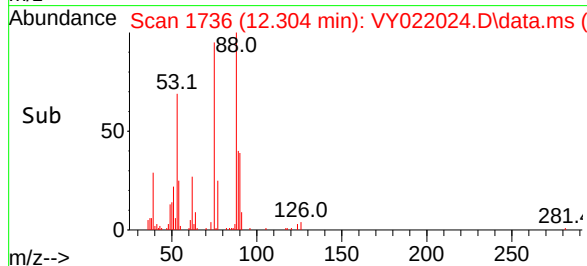
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



Tgt Ion: 75 Resp: 15459
Ion Ratio Lower Upper
75 100
53 82.0 66.0 99.0
89 44.5 37.2 55.8

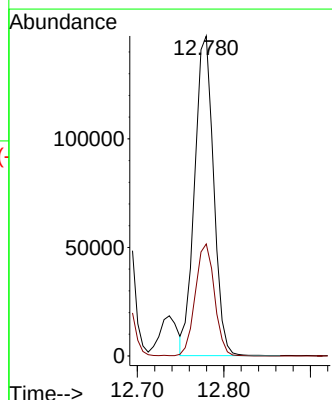
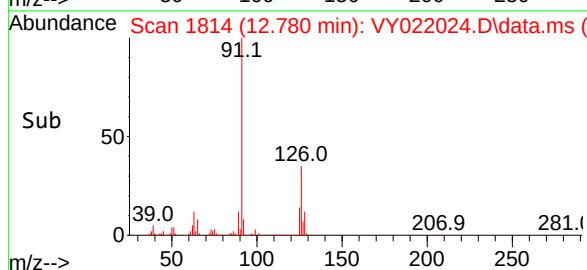
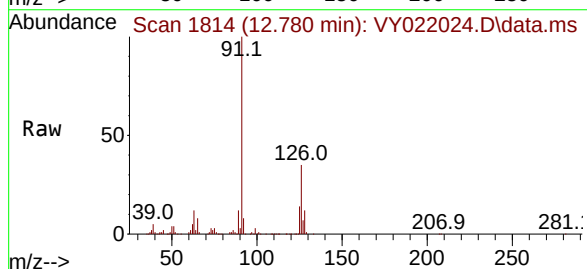
Manual Integrations
APPROVED

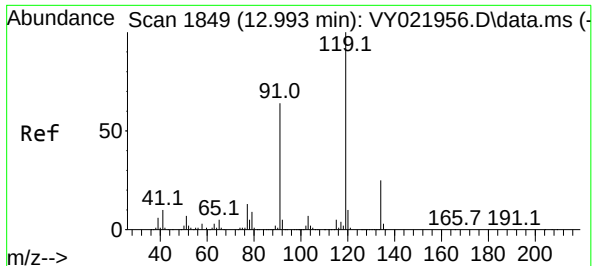
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#82
4-Chlorotoluene
Concen: 20.280 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

Tgt Ion: 91 Resp: 223135
Ion Ratio Lower Upper
91 100
126 35.6 17.9 53.8





#83

tert-Butylbenzene

Concen: 19.424 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

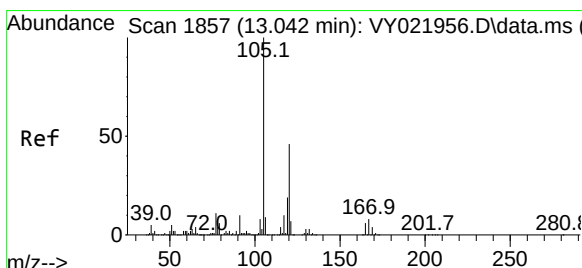
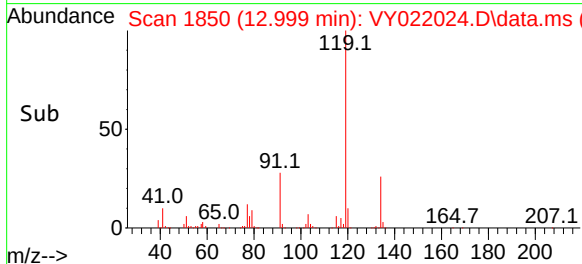
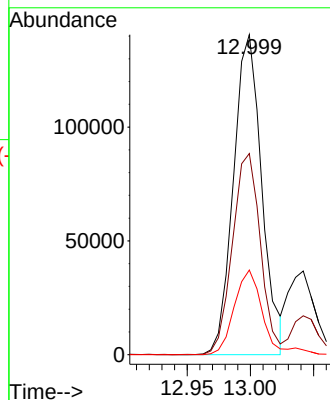
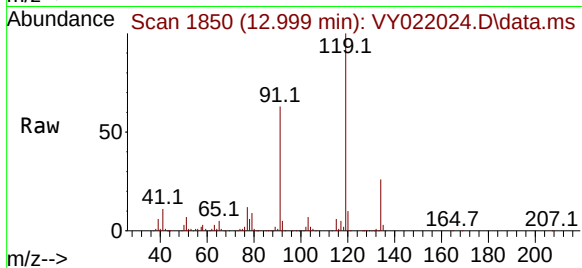
VY0428SBS01

Tgt Ion:	119	Resp:	21935
Ion Ratio	Lower	Upper	
119	100		
91	62.1	30.3	90.9
134	26.8	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.995 ug/l

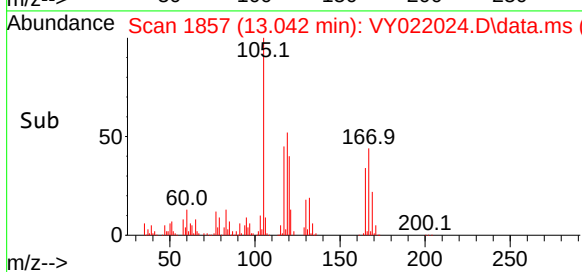
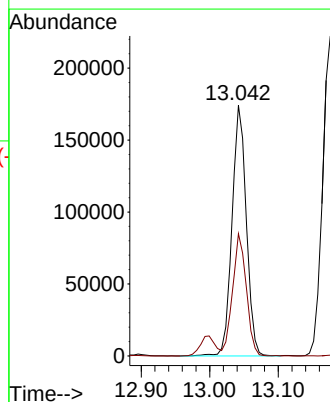
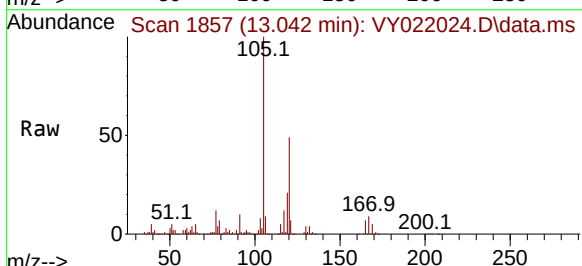
RT: 13.042 min Scan# 1857

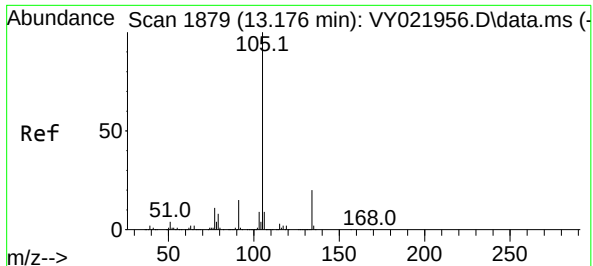
Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:	105	Resp:	251831
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.4	70.0





#85

sec-Butylbenzene

Concen: 19.608 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBS01

Tgt Ion:105 Resp: 32401

Ion Ratio Lower Upper

105 100

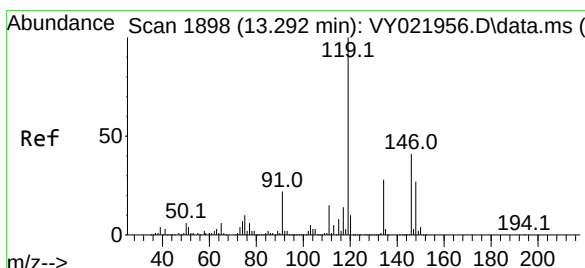
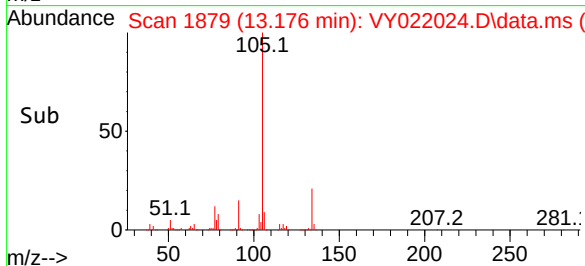
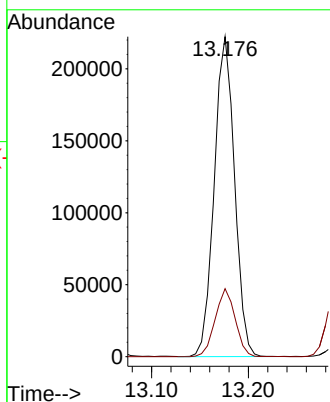
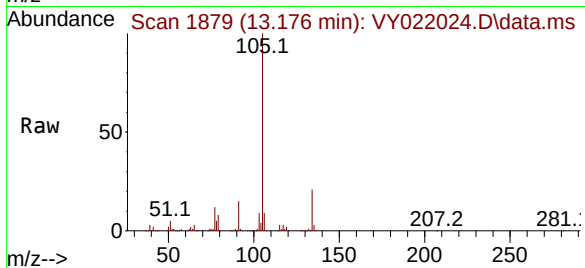
134 20.9 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#86

p-Isopropyltoluene

Concen: 19.760 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

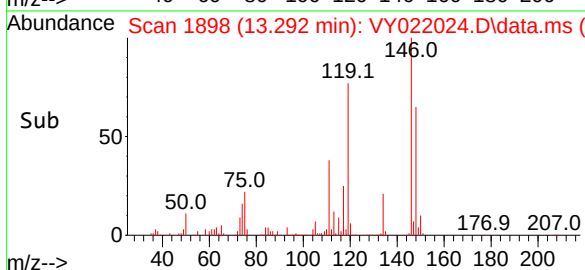
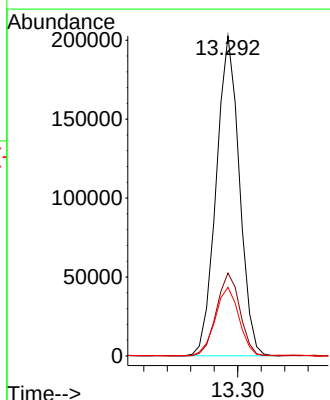
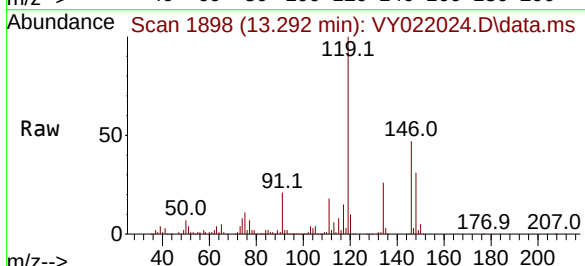
Tgt Ion:119 Resp: 277280

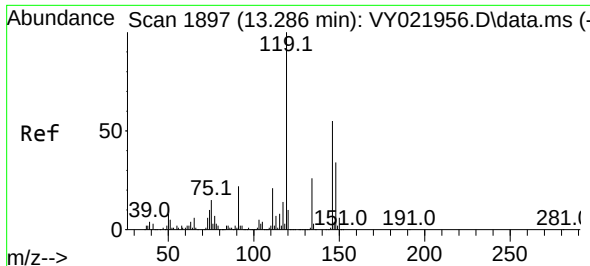
Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.7

91 22.2 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.030 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0428SBSD01

Tgt Ion:146 Resp: 157100

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

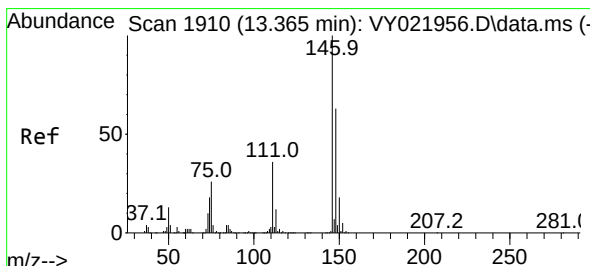
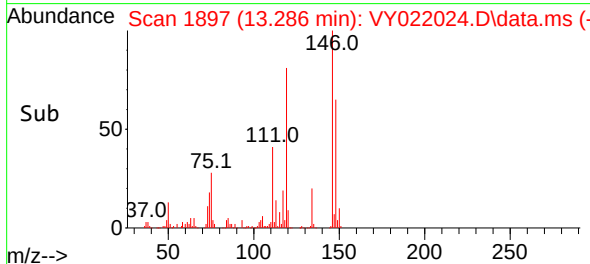
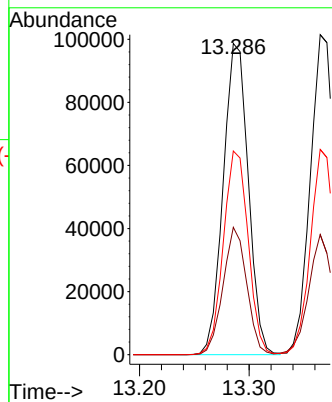
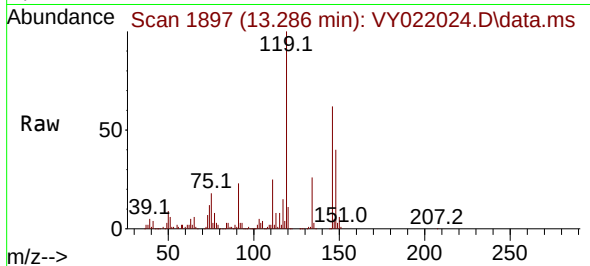
148 64.7 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/29/2025



#88

1,4-Dichlorobenzene

Concen: 20.398 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

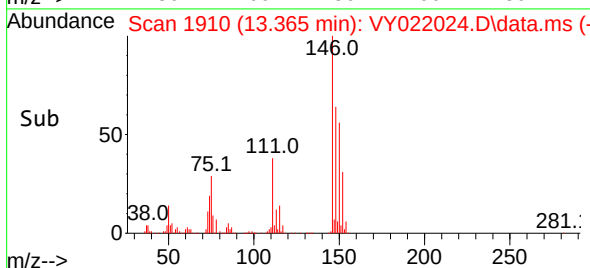
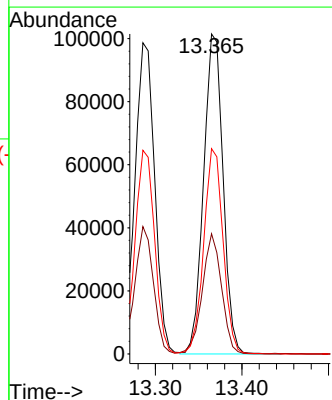
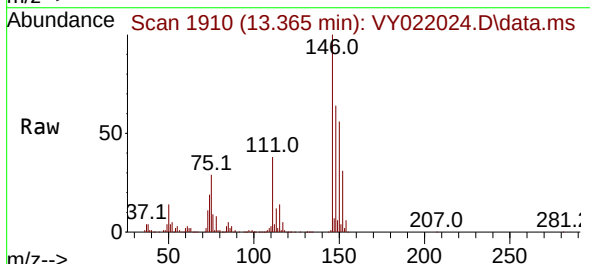
Tgt Ion:146 Resp: 158444

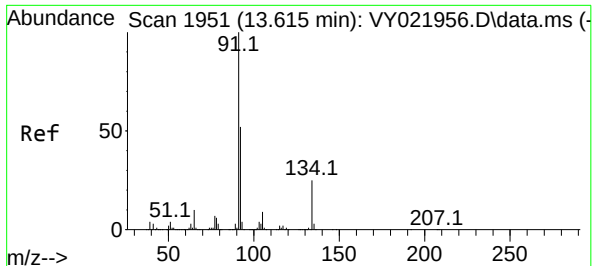
Ion Ratio Lower Upper

146 100

111 37.0 19.2 57.6

148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 18.964 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

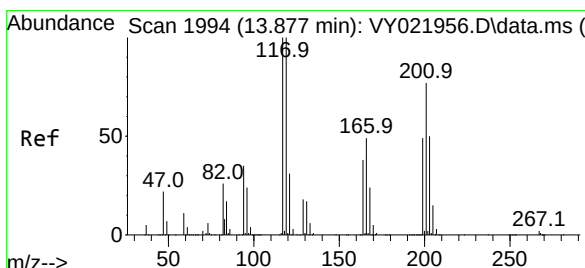
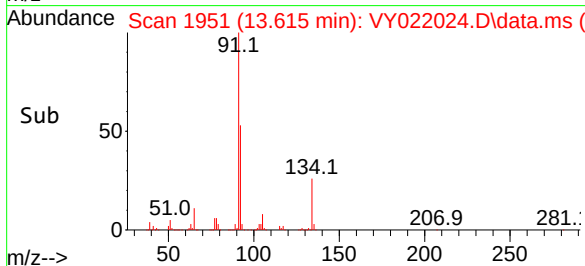
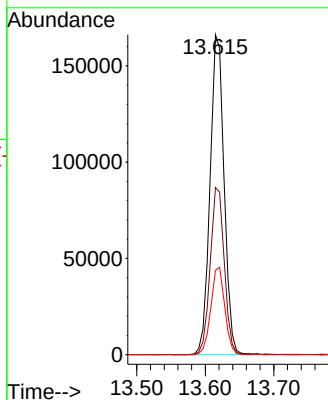
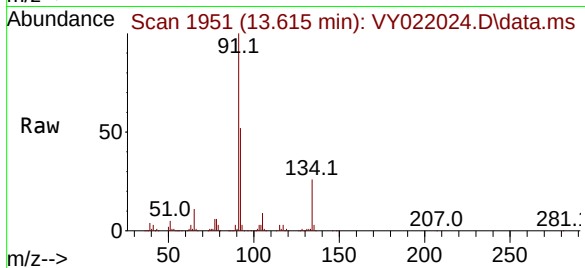
VY0428SBS01

Tgt Ion:	91	Resp:	23785
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	27.0	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#90

Hexachloroethane

Concen: 19.609 ug/l

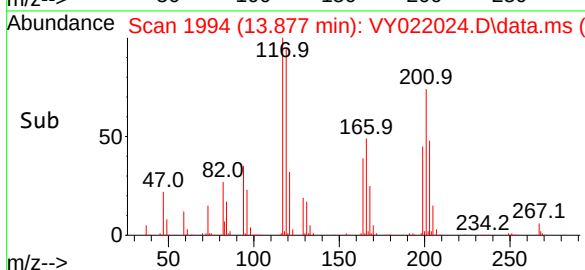
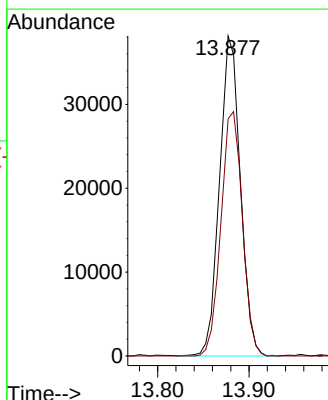
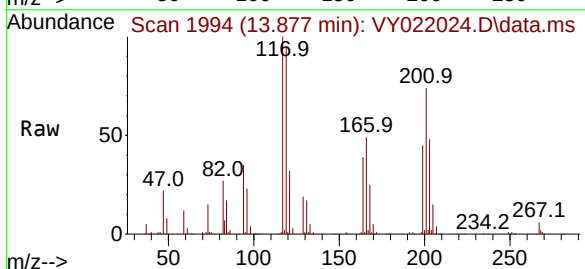
RT: 13.877 min Scan# 1994

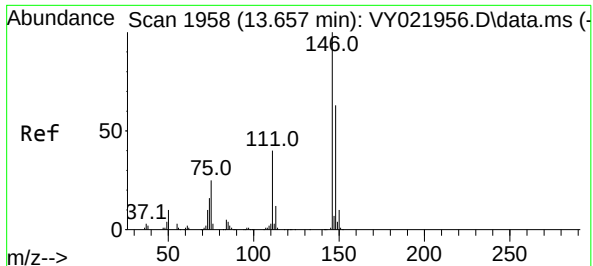
Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

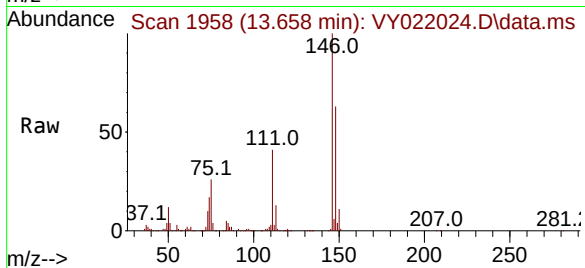
Tgt Ion:	117	Resp:	60454
Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.7	116.1





#91
1,2-Dichlorobenzene
Concen: 20.070 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

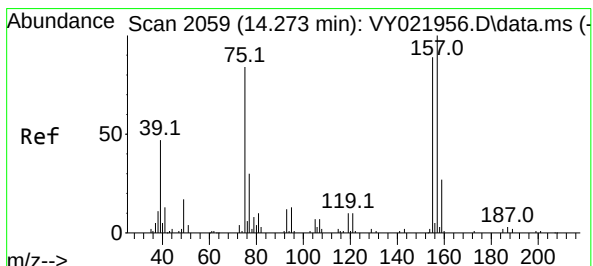
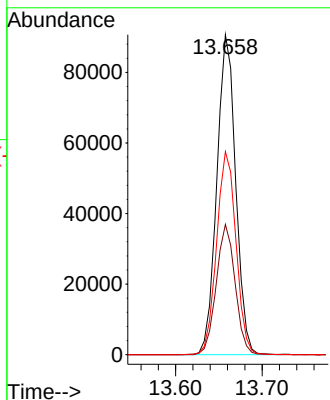
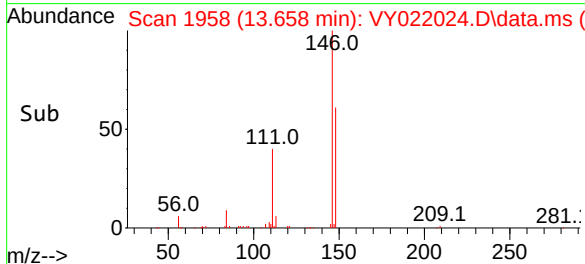
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBSD01



Tgt Ion:146 Resp: 137294
Ion Ratio Lower Upper
146 100
111 40.7 19.7 59.1
148 65.2 32.1 96.3

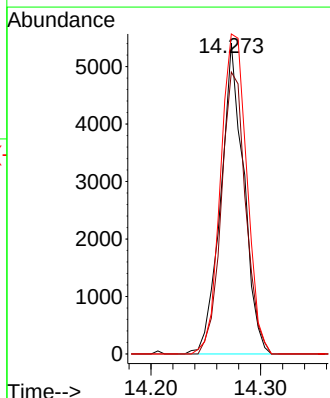
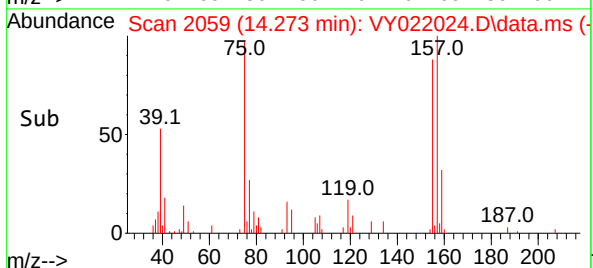
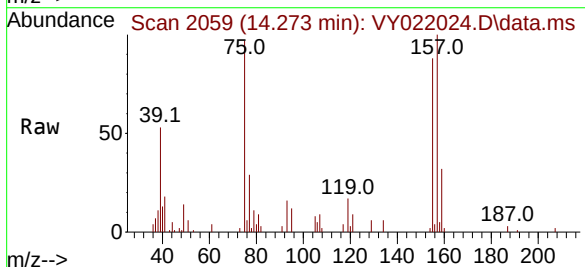
Manual Integrations
APPROVED

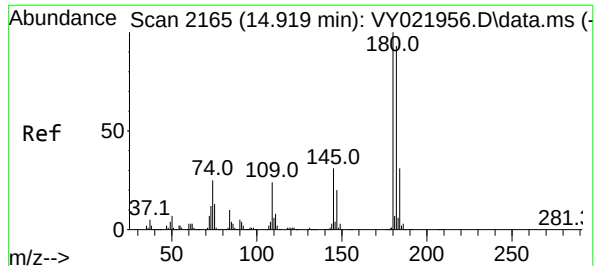
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.238 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

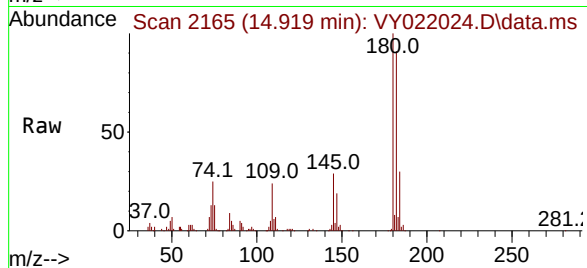
Tgt Ion: 75 Resp: 7886
Ion Ratio Lower Upper
75 100
155 96.0 50.7 152.3
157 116.8 62.6 187.8





#93
1,2,4-Trichlorobenzene
Concen: 19.324 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02

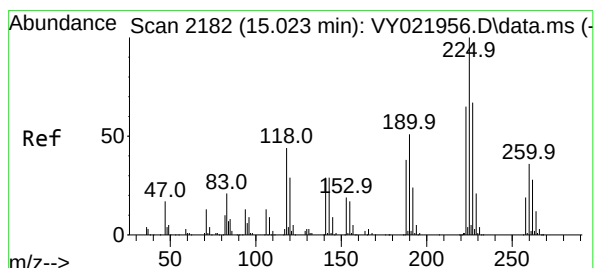
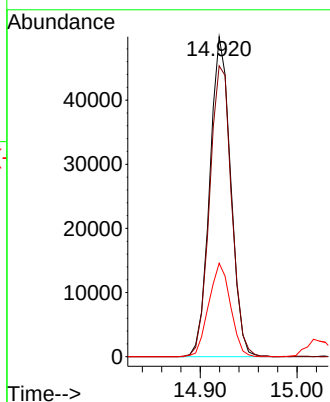
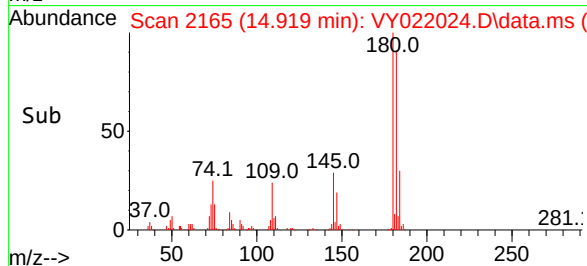
Instrument :
MSVOA_Y
ClientSampleId :
VY0428SBS01



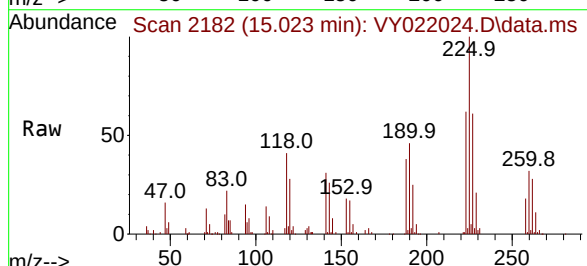
Tgt Ion:180 Resp: 7490
Ion Ratio Lower Upper
180 100
182 95.1 47.1 141.4
145 30.4 15.0 45.0

Manual Integrations
APPROVED

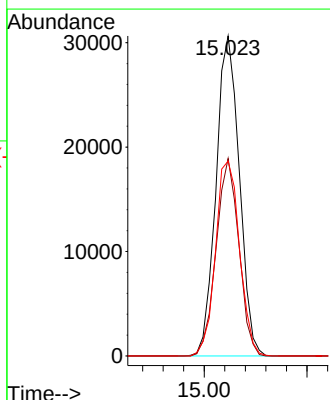
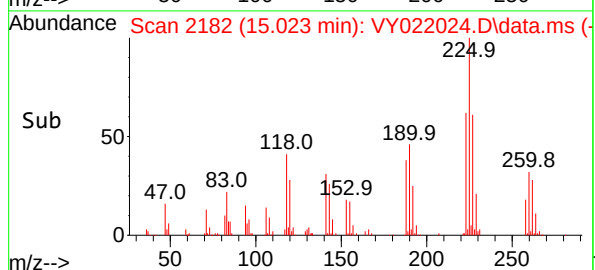
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025

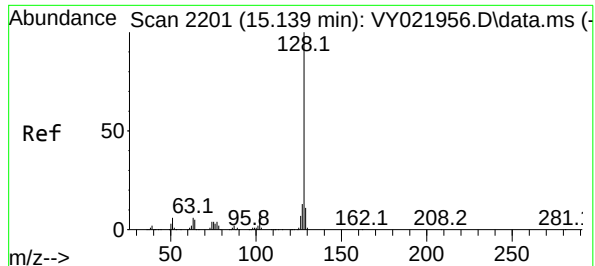


#94
Hexachlorobutadiene
Concen: 20.206 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022024.D
Acq: 28 Apr 2025 12:02



Tgt Ion:225 Resp: 48192
Ion Ratio Lower Upper
225 100
223 59.8 31.9 95.5
227 62.9 32.3 96.9





#95

Naphthalene

Concen: 17.671 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

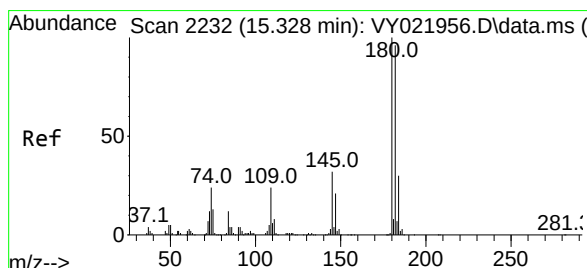
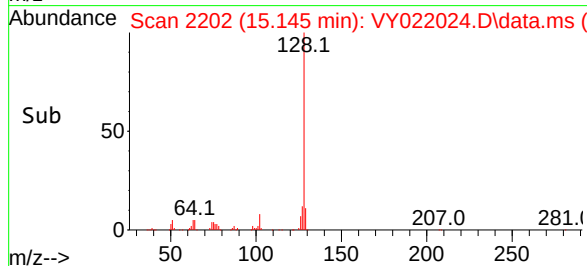
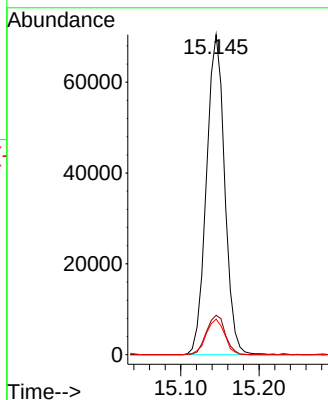
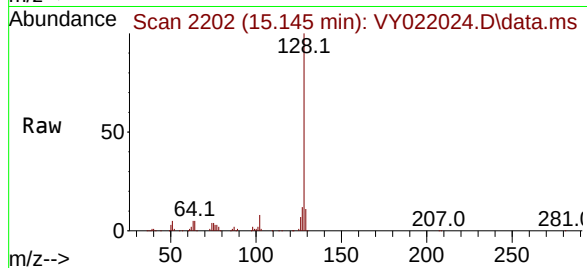
VY0428SBS01

Tgt Ion:	128	Resp:	11379
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.3	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/29/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.510 ug/l

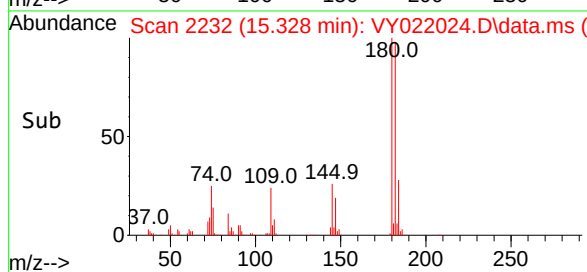
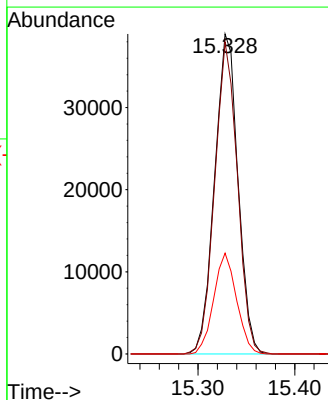
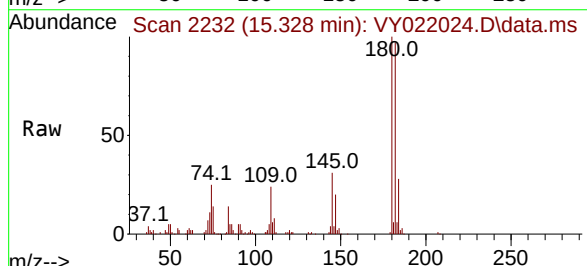
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022024.D

Acq: 28 Apr 2025 12:02

Tgt Ion:	180	Resp:	65284
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.1	144.4
145	30.8	16.0	48.0



Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software



Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	vy042825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022021.D	1,2,3-Trichloropropane	Sam	4/29/2025 12:17:54 PM	MMDadoda	4/29/2025 12:20:45 PM	Peak Integrated by Software
VY0428SBS01	VY022023.D	1,2,3-Trichloropropane	Sam	4/29/2025 12:17:55 PM	MMDadoda	4/29/2025 12:20:48 PM	Peak Integrated by Software
VY0428SBSD0 1	VY022024.D	1,2,3-Trichloropropane	Sam	4/29/2025 12:17:56 PM	MMDadoda	4/29/2025 12:20:46 PM	Peak Integrated by Software
VSTDCCC050	VY022044.D	1,2,3-Trichloropropane	Sam	4/29/2025 12:17:58 PM	MMDadoda	4/29/2025 12:20:52 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY042925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022046.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:31 PM	MMDadoda	4/30/2025 2:25:41 PM	Peak Integrated by Software
VY0429SBS01	VY022048.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:33 PM	MMDadoda	4/30/2025 2:25:44 PM	Peak Integrated by Software
VY0429SBS01	VY022048.D	Methacrylonitrile	Sam	4/30/2025 2:22:33 PM	MMDadoda	4/30/2025 2:25:44 PM	Peak Integrated by Software
VSTDCCC050	VY022068.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:42 PM	MMDadoda	4/30/2025 2:25:57 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Maresh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133718			
Initial Calibration Stds		VP133719,VP133720,VP133721,VP133722,VP133723,VP133724			
CCC					
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133725			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY042825

Review By	Semsettin Yesilyurt	Review On	4/29/2025 12:18:03 PM		
Supervise By	Maresh Dadoda	Supervise On	4/29/2025 12:21:04 PM		
SubDirectory	VY042825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133778			
CCC		VP133779,VP133780			
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	VY022020.D	28 Apr 2025 09:29	SY/MD	Ok
2	VSTDCCC050	VY022021.D	28 Apr 2025 09:59	SY/MD	Ok,M
3	VY0428SBL01	VY022022.D	28 Apr 2025 11:08	SY/MD	Ok
4	VY0428SBS01	VY022023.D	28 Apr 2025 11:40	SY/MD	Ok,M
5	VY0428SBS01	VY022024.D	28 Apr 2025 12:02	SY/MD	Ok,M
6	Q1872-23	VY022025.D	28 Apr 2025 12:41	SY/MD	Dilution
7	IBLK	VY022026.D	28 Apr 2025 13:04	SY/MD	Ok
8	Q1872-23DL	VY022027.D	28 Apr 2025 13:31	SY/MD	ReRun
9	IBLK	VY022028.D	28 Apr 2025 13:55	SY/MD	Ok
10	Q1895-01	VY022029.D	28 Apr 2025 14:18	SY/MD	Ok
11	Q1895-03	VY022030.D	28 Apr 2025 14:41	SY/MD	Ok
12	Q1895-05	VY022031.D	28 Apr 2025 15:05	SY/MD	Ok
13	Q1889-01	VY022032.D	28 Apr 2025 15:28	SY/MD	Ok
14	Q1889-02	VY022033.D	28 Apr 2025 15:52	SY/MD	Ok
15	Q1889-03	VY022034.D	28 Apr 2025 16:15	SY/MD	Ok
16	Q1896-01	VY022035.D	28 Apr 2025 16:39	SY/MD	Ok
17	Q1891-03	VY022036.D	28 Apr 2025 17:02	SY/MD	Ok
18	Q1891-07	VY022037.D	28 Apr 2025 17:25	SY/MD	Ok
19	Q1900-03	VY022038.D	28 Apr 2025 17:49	SY/MD	Ok
20	Q1900-07	VY022039.D	28 Apr 2025 18:12	SY/MD	Ok
21	Q1900-11	VY022040.D	28 Apr 2025 18:36	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042825

Review By	Semsettin Yesilyurt	Review On	4/29/2025 12:18:03 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/29/2025 12:21:04 PM		
SubDirectory	VY042825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133778			
CCC		VP133779,VP133780			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1875-01	VY022041.D	28 Apr 2025 18:59	SY/MD	Ok
23	Q1902-01	VY022042.D	28 Apr 2025 19:23	SY/MD	ReRun
24	Q1904-01	VY022043.D	28 Apr 2025 19:46	SY/MD	Ok
25	VSTDCCC050	VY022044.D	28 Apr 2025 20:09	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM		
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133781			
CCC		VP133782,VP133783			
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	VY022045.D	29 Apr 2025 08:20	SY/MD	Ok
2	VSTDCCC050	VY022046.D	29 Apr 2025 09:28	SY/MD	Ok,M
3	VY0429SBL01	VY022047.D	29 Apr 2025 10:00	SY/MD	Ok
4	VY0429SBS01	VY022048.D	29 Apr 2025 10:31	SY/MD	Ok,M
5	VY0429SBS01	VY022049.D	29 Apr 2025 10:53	SY/MD	Ok,M
6	IBLK	VY022050.D	29 Apr 2025 11:56	SY/MD	Ok
7	Q1872-23DL	VY022051.D	29 Apr 2025 12:22	SY/MD	Ok
8	Q1902-01RE	VY022052.D	29 Apr 2025 13:09	SY/MD	Confirms
9	Q1892-03	VY022053.D	29 Apr 2025 13:55	SY/MD	Ok
10	Q1892-07	VY022054.D	29 Apr 2025 14:19	SY/MD	Ok
11	Q1892-11	VY022055.D	29 Apr 2025 14:43	SY/MD	Ok
12	Q1906-03	VY022056.D	29 Apr 2025 15:06	SY/MD	Ok
13	Q1906-07	VY022057.D	29 Apr 2025 15:30	SY/MD	Ok
14	Q1906-11	VY022058.D	29 Apr 2025 15:53	SY/MD	Ok
15	Q1906-15	VY022059.D	29 Apr 2025 16:16	SY/MD	Ok
16	Q1905-03	VY022060.D	29 Apr 2025 16:40	SY/MD	Ok
17	Q1903-01	VY022061.D	29 Apr 2025 17:03	SY/MD	Ok
18	Q1903-02	VY022062.D	29 Apr 2025 17:27	SY/MD	Ok
19	Q1903-03	VY022063.D	29 Apr 2025 17:50	SY/MD	Ok
20	Q1883-01	VY022064.D	29 Apr 2025 18:14	SY/MD	Ok
21	Q1883-03	VY022065.D	29 Apr 2025 18:37	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM		
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133781			
CCC		VP133782,VP133783			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	IBLK	VY022066.D	29 Apr 2025 19:00	SY/MD	Ok,M
23	IBLK	VY022067.D	29 Apr 2025 19:23	SY/MD	Ok,M
24	VSTDCCC050	VY022068.D	29 Apr 2025 19:45	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042825

Review By	Semsettin Yesilyurt	Review On	4/29/2025 12:18:03 PM
Supervise By	Maresh Dadoda	Supervise On	4/29/2025 12:21:04 PM
SubDirectory	VY042825	HP Acquire Method	MSVOA_Y HP Processing Method 82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133778
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133779,VP133780 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022020.D	28 Apr 2025 09:29		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022021.D	28 Apr 2025 09:59	CCC Failed Low For Com.#13	SY/MD	Ok,M
3	VY0428SBL01	VY0428SBL01	VY022022.D	28 Apr 2025 11:08		SY/MD	Ok
4	VY0428SBS01	VY0428SBS01	VY022023.D	28 Apr 2025 11:40		SY/MD	Ok,M
5	VY0428SBSD01	VY0428SBSD01	VY022024.D	28 Apr 2025 12:02		SY/MD	Ok,M
6	Q1872-23	HW0425-PT-VOA-SOIL	VY022025.D	28 Apr 2025 12:41	NJDEP Soil PT-HW0425,Need 4x	SY/MD	Dilution
7	IBLK	IBLK	VY022026.D	28 Apr 2025 13:04		SY/MD	Ok
8	Q1872-23DL	HW0425-PT-VOA-SOIL	VY022027.D	28 Apr 2025 13:31	prep error	SY/MD	ReRun
9	IBLK	IBLK	VY022028.D	28 Apr 2025 13:55		SY/MD	Ok
10	Q1895-01	COMP-1	VY022029.D	28 Apr 2025 14:18	vial-A	SY/MD	Ok
11	Q1895-03	COMP-2	VY022030.D	28 Apr 2025 14:41	vial-A	SY/MD	Ok
12	Q1895-05	COMP-3	VY022031.D	28 Apr 2025 15:05	vial-A	SY/MD	Ok
13	Q1889-01	COMP-1	VY022032.D	28 Apr 2025 15:28	vial-A	SY/MD	Ok
14	Q1889-02	COMP-2	VY022033.D	28 Apr 2025 15:52	vial-A	SY/MD	Ok
15	Q1889-03	COMP-3	VY022034.D	28 Apr 2025 16:15	vial-A	SY/MD	Ok
16	Q1896-01	295-BERGEN-RO	VY022035.D	28 Apr 2025 16:39	vial-A	SY/MD	Ok
17	Q1891-03	MH-C-VOC	VY022036.D	28 Apr 2025 17:02	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042825

Review By	Semsettin Yesilyurt	Review On	4/29/2025 12:18:03 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/29/2025 12:21:04 PM		
SubDirectory	VY042825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133778			
CCC		VP133779,VP133780			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1891-07	MH-D-VOC	VY022037.D	28 Apr 2025 17:25	vial-A	SY/MD	Ok
19	Q1900-03	WC-1-VOC	VY022038.D	28 Apr 2025 17:49	vial-A	SY/MD	Ok
20	Q1900-07	WC-2-VOC	VY022039.D	28 Apr 2025 18:12	vial-A	SY/MD	Ok
21	Q1900-11	WC-3-VOC	VY022040.D	28 Apr 2025 18:36	vial-A	SY/MD	Ok
22	Q1875-01	AUD-25-0053	VY022041.D	28 Apr 2025 18:59	vial-A	SY/MD	Ok
23	Q1902-01	343	VY022042.D	28 Apr 2025 19:23	vial-A Internal Standard Fail	SY/MD	ReRun
24	Q1904-01	VNJ-210	VY022043.D	28 Apr 2025 19:46	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022044.D	28 Apr 2025 20:09		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133781
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133782,VP133783 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022045.D	29 Apr 2025 08:20		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022046.D	29 Apr 2025 09:28		SY/MD	Ok,M
3	VY0429SBL01	VY0429SBL01	VY022047.D	29 Apr 2025 10:00		SY/MD	Ok
4	VY0429SBS01	VY0429SBS01	VY022048.D	29 Apr 2025 10:31		SY/MD	Ok,M
5	VY0429SBSD01	VY0429SBSD01	VY022049.D	29 Apr 2025 10:53		SY/MD	Ok,M
6	IBLK	IBLK	VY022050.D	29 Apr 2025 11:56		SY/MD	Ok
7	Q1872-23DL	HW0425-PT-VOA-SOIL	VY022051.D	29 Apr 2025 12:22		SY/MD	Ok
8	Q1902-01RE	343RE	VY022052.D	29 Apr 2025 13:09	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q1892-03	MH-G-VOC	VY022053.D	29 Apr 2025 13:55	vial-A	SY/MD	Ok
10	Q1892-07	MH-H-VOC	VY022054.D	29 Apr 2025 14:19	vial-A	SY/MD	Ok
11	Q1892-11	MH-U2-VOC	VY022055.D	29 Apr 2025 14:43	vial-A	SY/MD	Ok
12	Q1906-03	WC-4-VOC	VY022056.D	29 Apr 2025 15:06	vial-A	SY/MD	Ok
13	Q1906-07	WC-5-VOC	VY022057.D	29 Apr 2025 15:30	vial-A	SY/MD	Ok
14	Q1906-11	WC-6-VOC	VY022058.D	29 Apr 2025 15:53	vial-A	SY/MD	Ok
15	Q1906-15	WC-7-VOC	VY022059.D	29 Apr 2025 16:16	vial-A	SY/MD	Ok
16	Q1905-03	MH-G-VOC	VY022060.D	29 Apr 2025 16:40	vial-A	SY/MD	Ok
17	Q1903-01	COMP-4	VY022061.D	29 Apr 2025 17:03	vial-A	SY/MD	Ok
18	Q1903-02	COMP-5	VY022062.D	29 Apr 2025 17:27	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM		
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP133781				
CCC	VP133782,VP133783				
Internal Standard/PEM	VP131783				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1903-03	COMP-6	VY022063.D	29 Apr 2025 17:50	vial-A	SY/MD	Ok
20	Q1883-01	OU4-PCS-TC-27-04232	VY022064.D	29 Apr 2025 18:14	vial-B	SY/MD	Ok
21	Q1883-03	OU4-PCS-TC-28-04232	VY022065.D	29 Apr 2025 18:37	vial-B	SY/MD	Ok
22	IBLK	IBLK	VY022066.D	29 Apr 2025 19:00		SY/MD	Ok,M
23	IBLK	IBLK	VY022067.D	29 Apr 2025 19:23		SY/MD	Ok,M
24	VSTDCCC050	VSTDCCC050EC	VY022068.D	29 Apr 2025 19:45		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

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
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGF-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

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
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

WORKLIST(Hardcopy Internal Chain)

UR 135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

Date/Time

04/24/25

Raw Sample Received by:

yg wyc,

Raw Sample Relinquished by:

D W SH

Date/Time

04/24/25

Raw Sample Received by:

D W SH

Raw Sample Relinquished by:

D W SH

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by: JH WOL

Raw Sample Relinquished by: JH WOL

Date/Time 04/24/25

Raw Sample Received by: JH WOL

Raw Sample Relinquished by: JH WOL

WORKLIST(Hardcopy Internal Chain)

27 135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/24/25

Raw Sample Received by:

Raw Sample Relinquished by:

Prep Standard - Chemical Standard Summary

Order ID : Q1872

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vy042825,vy042925,

Standard ID :

VP131767,VP131783,VP132035,VP132036,VP132098,VP133175,VP133544,VP133545,VP133758,VP133759,VP133778,VP133779,VP133780,VP133781,VP133782,VP133783,

Chemical ID :

V13391,V13466,V13706,V14154,V14289,V14431,V14435,V14501,V14502,V14523,V14524,V14613,V14614,V14615,V14630,V14631,V14632,V14633,V14719,V14720,V14726,V14744,V14753,V14804,V14805,V14842,V14915,V14916,V14917,V14918,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
11/27/2024								

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
11/27/2024								

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133544	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 04/03/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14431 + 1.00000ml of V14435 + 1.00000ml of V14501 + 1.00000ml of V14502 + 1.00000ml of V14523 + 1.00000ml of V14524 + 1.00000ml of V14726 + 1.00000ml of V14744 + 1.00000ml of V14753 + 1.00000ml of V14804 + 1.00000ml of V14805 + 1.50000ml of V14719 + 1.50000ml of V14720 + 10.60000ml of V14615 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133545	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 04/03/2025

FROM 5.62500ml of V14615 + 9.37500ml of VP133544 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133758	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 1.00000ml of V14915 + 1.00000ml of V14916 + 1.00000ml of V14917 + 1.00000ml of V14918 + 21.00000ml of V14615 = Final Quantity: 25.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133759	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 5.62500ml of V14615 + 9.37500ml of VP133758 = Final Quantity: 15.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP133778	04/28/2025	04/29/2025	Amit Patel	None	None	Maresh Dadoda
05/07/2025								

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP133779	04/28/2025	04/29/2025	Amit Patel	None	None	Maresh Dadoda
05/07/2025								

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545
+ 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP133780	04/28/2025	04/29/2025	Amit Patel	None	None	Maresh Dadoda
								05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545
+ 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP133781	04/29/2025	04/30/2025	Amit Patel	None	None	Maresh Dadoda
								05/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP133782	04/29/2025	04/30/2025	Amit Patel	None	None	Maresh Dadoda
05/07/2025								

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545
+ 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP133783	04/29/2025	04/30/2025	Amit Patel	None	None	Maresh Dadoda
05/07/2025								

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545
+ 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14431

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14501

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14502

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14523

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14524

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14719

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14720

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14726

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14753

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14804

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14805

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14915

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14917

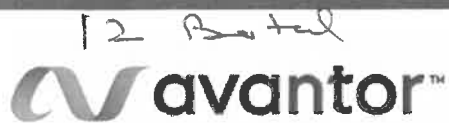
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14918

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



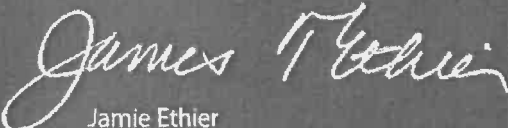
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 75mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 3460mg/kg
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 120mg/kg
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H) (skin)	or-rat 277mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JXK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1847mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 936mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	98-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	109-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-mus 1060mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-46-7	75 ppm (450mg/m3/8H)	

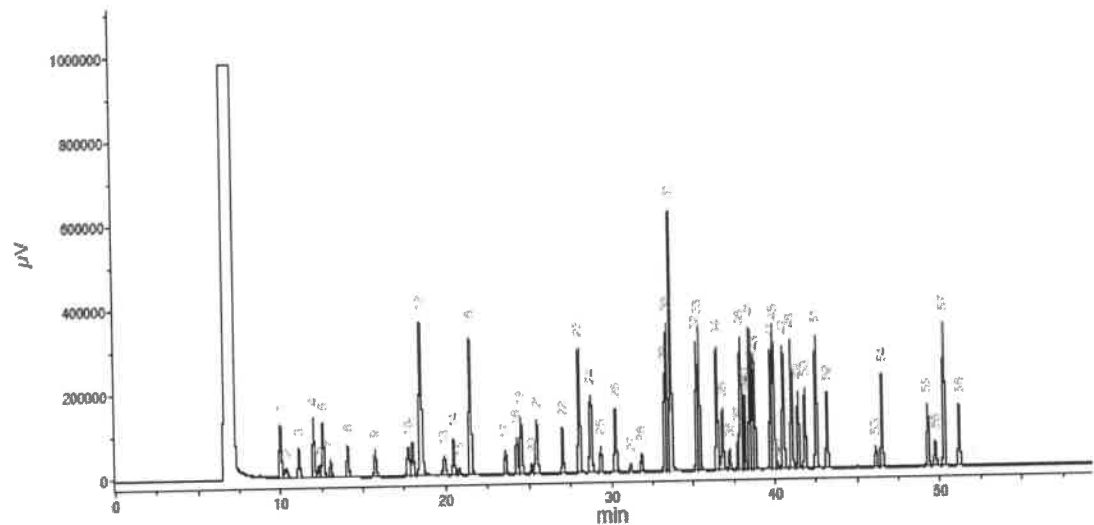


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	12.96
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethane	18.00
12	Hexamethylcyclotriphosphazene/Hexyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromodichloromethane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethane	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloroethane	29.34
25	1,1,2-Trichloroethane	30.94
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.53
32	o-Xylene	35.70
33	Styrene	35.76
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	1,3,5-Trimethylbenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Rec 04/24/25 5 N109



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Solvent(s):
Water
Lot# 072324Q

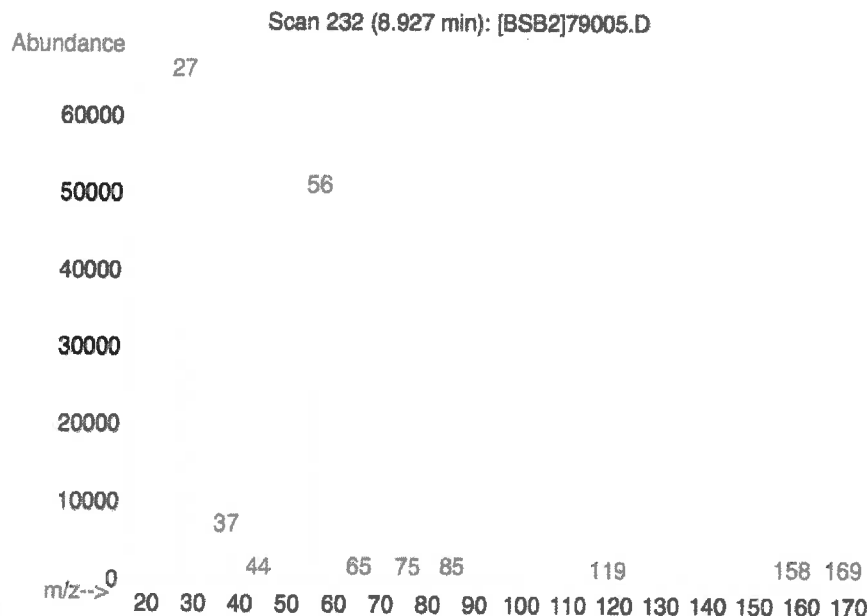
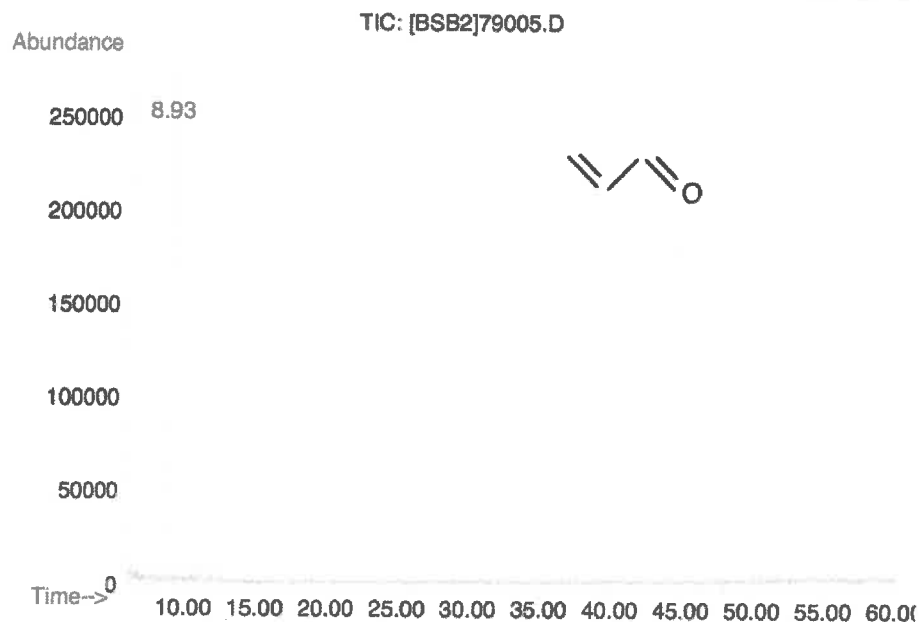
V14914 to
V14918

<i>Eli Aliaga</i>		042325
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		042325
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LDSO
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossetto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

P271 Use in ventilated area
P302,332 If on skin, wash with soap and water

H315 Causes skin and eye irritation.
P280 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))
Water

CAS#: 7732-18-5

%(optional)
> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

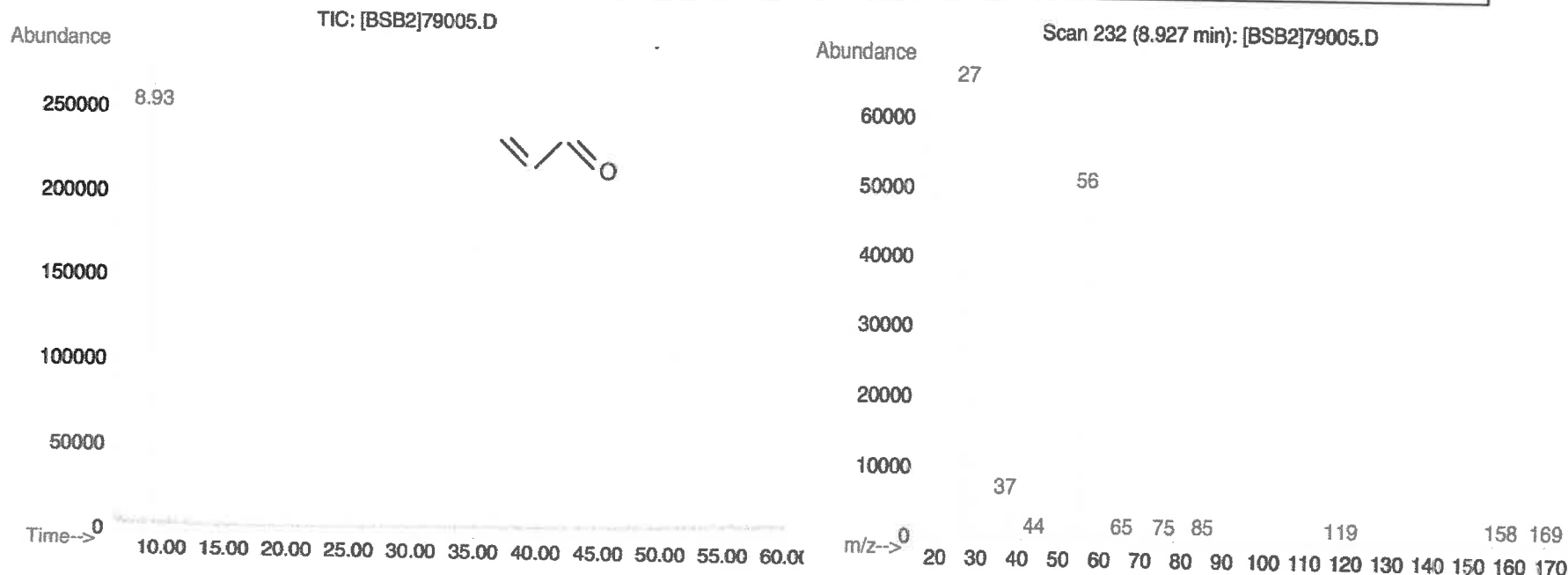
CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

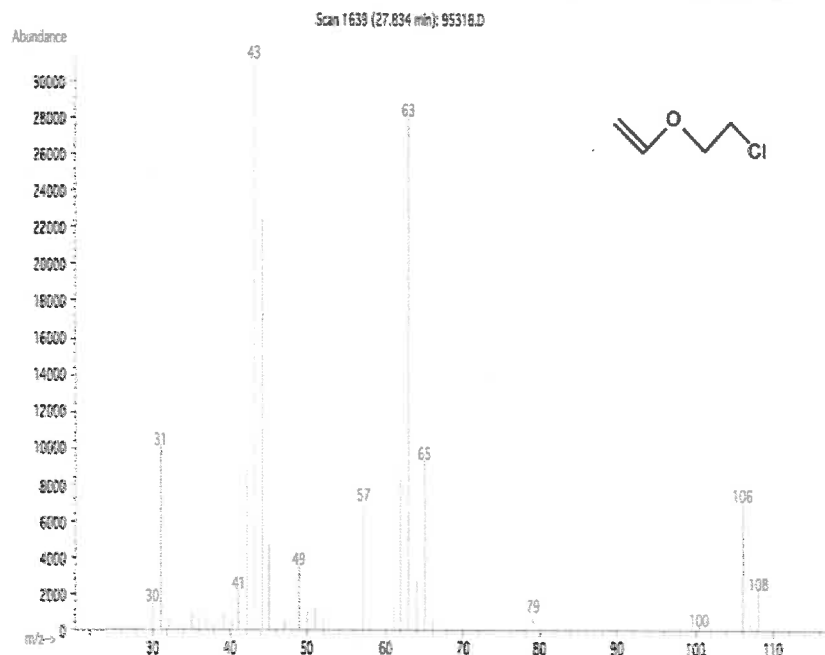
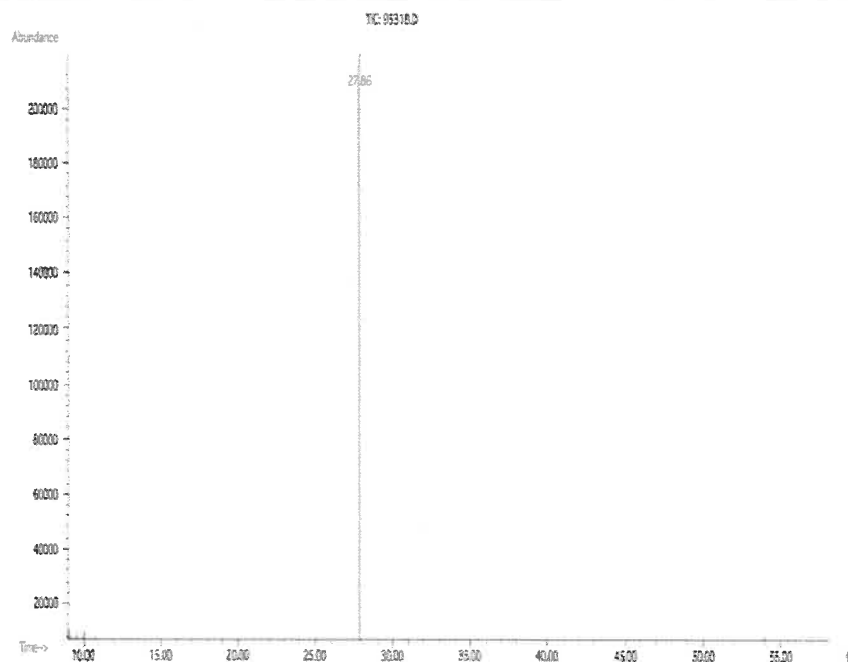
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

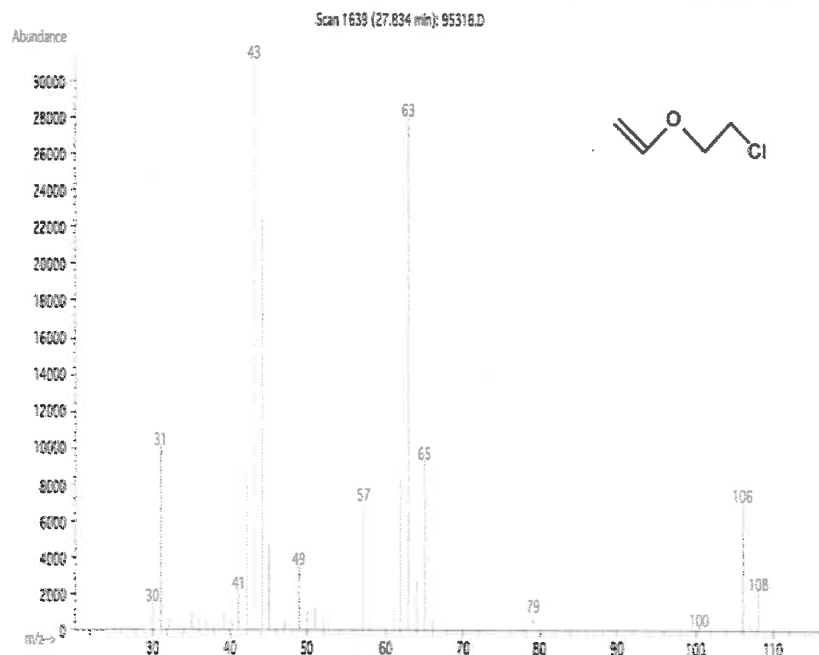
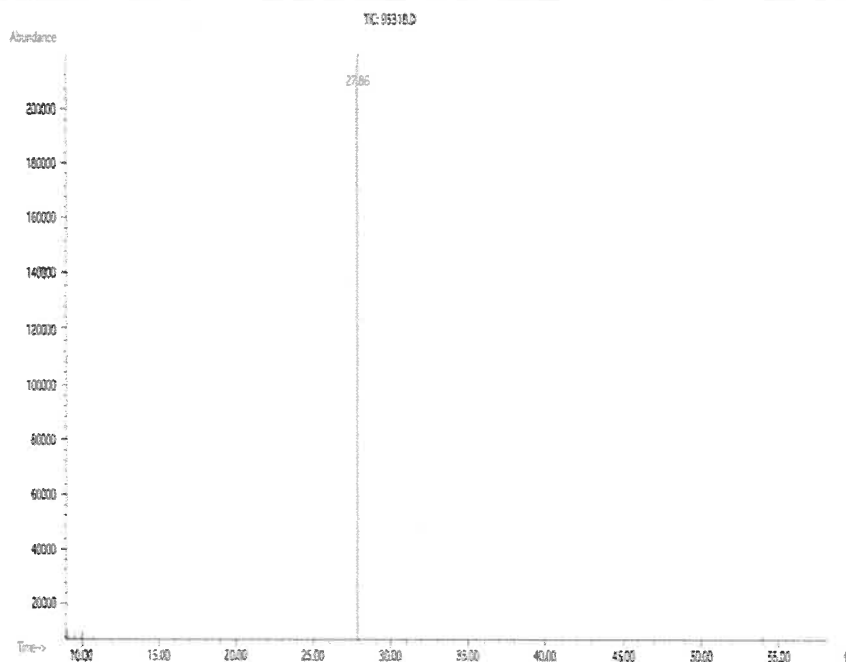
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

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Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
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Hazardous decomposition products formed under fire conditions.	- Carbon oxides

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LC50 Inhalation - rat - 4 h - 64000 ppm
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

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SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

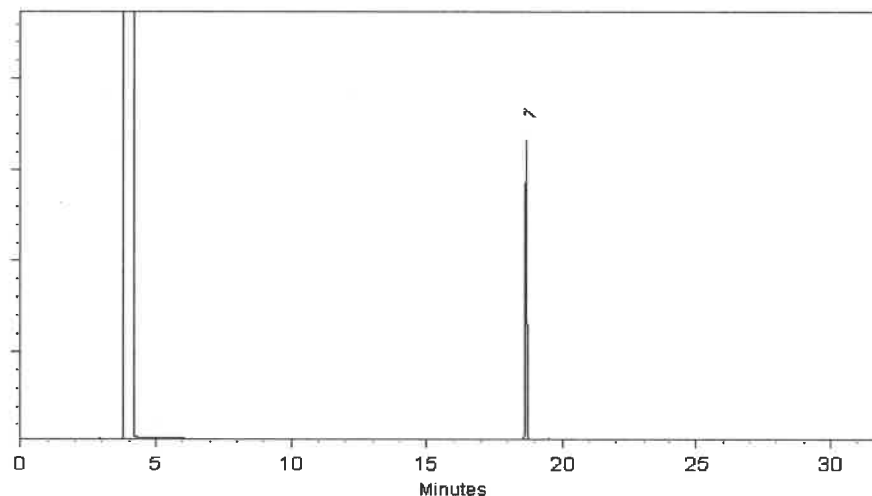
FID

Split Vent:

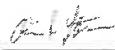
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

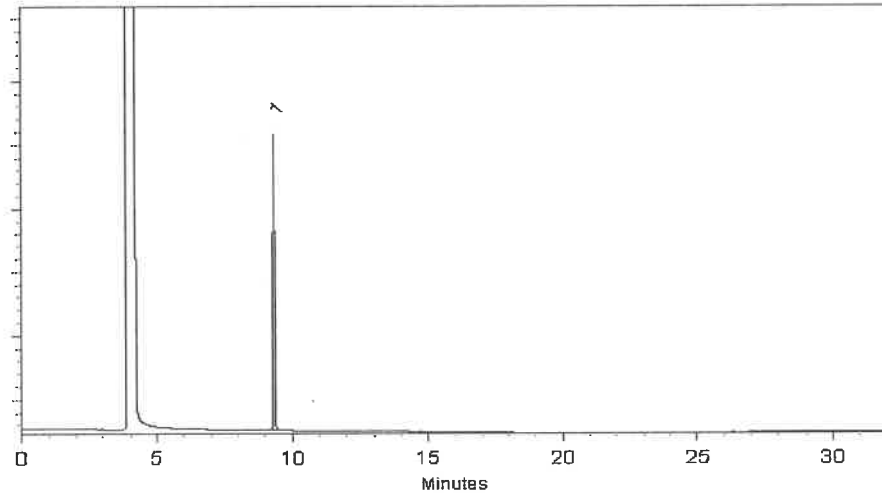
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022

Balance Serial # B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

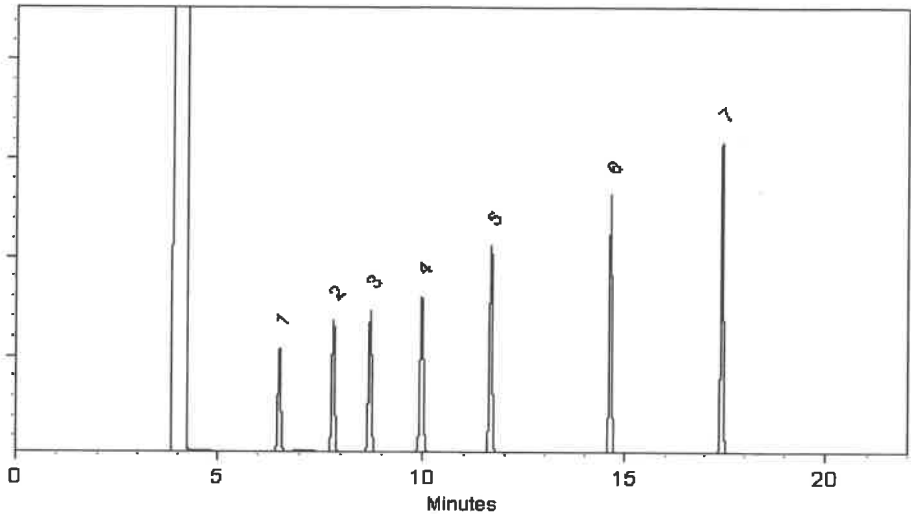
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

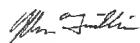
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of 11-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

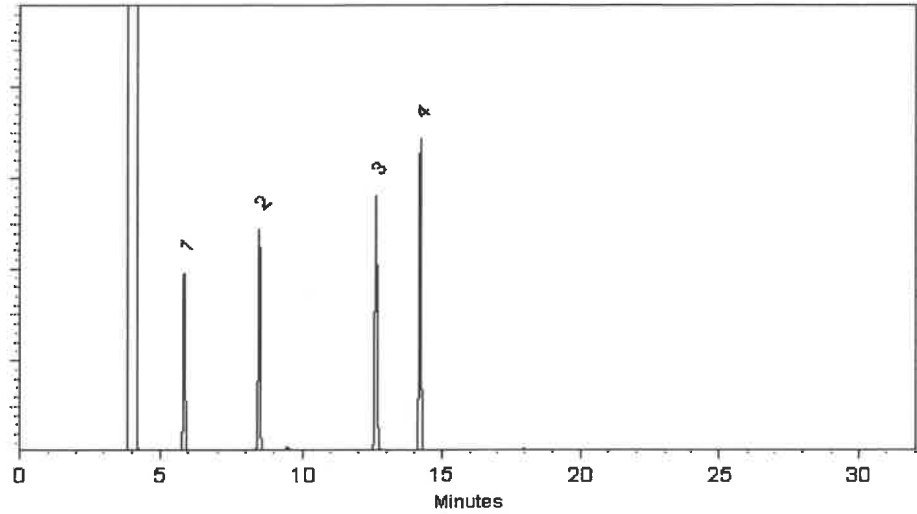
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

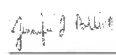


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

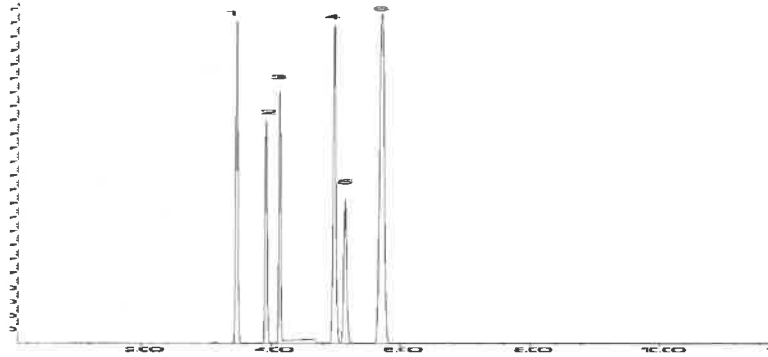
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

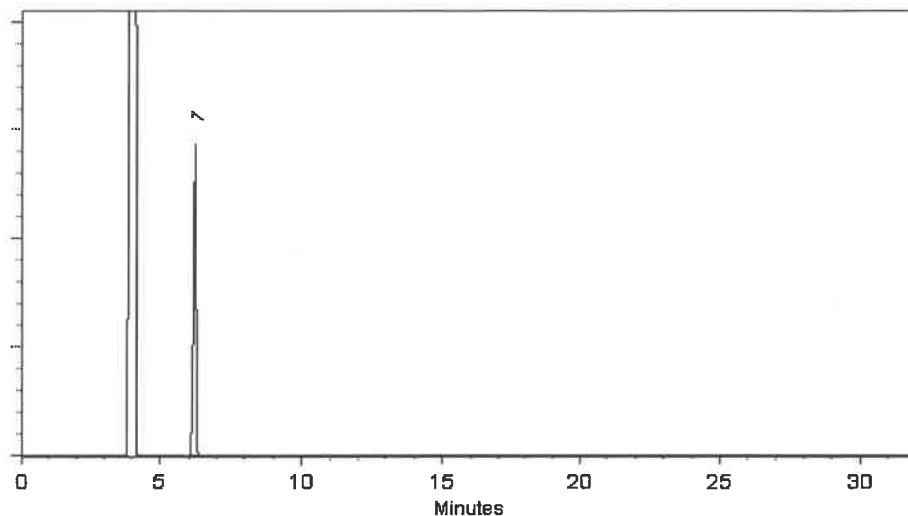
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

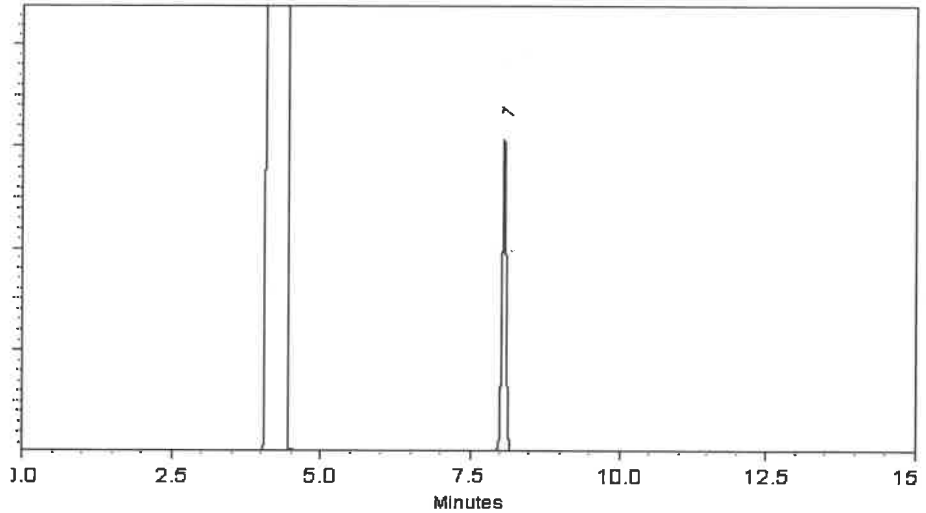
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

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Certified Reference Materials

A Phenomenex[®]
Company

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Packing List

Date	Order #
04/21/2025	333293



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105



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Certified Reference Materials

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Packing List

Date	Order #
04/25/2025	337220



6390 Joyce Dr., #100
Golden, CO 80403

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Fax: +1-303-940-0043
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www.phenova.com

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www.phenova.com/home/termsforsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

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