

DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q2377

ATTENTION : John Ynfante



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2377

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q2377-01
Q2377-02
Q2377-03

Client Sample Number

PW-B6-L66-061925
PW-B6-L66-061925-SIM
TB01-061925

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

Signature : _____

Date: 6/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Order ID # Q2377

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

3 Water samples were received on 06/19/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1, VOC-SIM and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of VOCMS Group3 was based on method 524.2.

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 for {VU0624WBSD01} with File ID: VU063433.D met criteria except for 1,1-Dichloroethene[26%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

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



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

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_____

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: Q2377

MATRIX: Water

METHOD: 524.2

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
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 RPD for {VU0624WBSD01} with File ID: VU063433.D met criteria except for 1,1-Dichloroethene[26%] due to difference in results of BS and BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2377

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/27/2025

LAB CHRONICLE

OrderID:	Q2377	OrderDate:	6/20/2025 11:23:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2377-01	PW-B6-L66-061925	Water	VOCMS Group3	524.2	06/19/25		06/24/25	06/19/25
Q2377-02	PW-B6-L66-061925-S IM	Water	VOC-SIM	SFAM_VOCSI M	06/19/25		06/23/25	06/19/25
Q2377-03	TB01-061925	Water	VOCMS Group3	524.2	06/19/25		06/24/25	06/19/25

Hit Summary Sheet
SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:



QC SUMMARY

- 1
- 2
- 3
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- 5
- 6
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Surrogate Summary

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2377-01	PW-B6-L66-061925	1,2-Dichlorobenzene-d4	1	0.80	80	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.80	80	70 (70)	130 (130)
Q2377-03	TB01-061925	1,2-Dichlorobenzene-d4	1	0.92	92	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.89	89	70 (70)	130 (130)
VU0624WBL01	VU0624WBL01	1,2-Dichlorobenzene-d4	1	0.73	73	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.74	74	70 (70)	130 (130)
VU0624WBS01	VU0624WBS01	1,2-Dichlorobenzene-d4	1	0.99	99	70 (70)	130 (130)
		4-Bromofluorobenzene	1	1.00	100	70 (70)	130 (130)
VU0624WBSD0	VU0624WBSD01	1,2-Dichlorobenzene-d4	1	1.00	100	70 (70)	130 (130)
		4-Bromofluorobenzene	1	1.00	100	70 (70)	130 (130)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2

Datafile : VU063432.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VU0624WBS01	Vinyl Chloride	2	1.70	ug/L	85			70 (70)	130 (130)	
	1,1-Dichloroethene	2	1.70	ug/L	85			70 (70)	130 (130)	
	1,1-Dichloroethane	2	2.00	ug/L	100			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	2	2.00	ug/L	100			70 (70)	130 (130)	
	Benzene	2	2.00	ug/L	100			70 (70)	130 (130)	
	1,2-Dichloroethane	2	2.00	ug/L	100			70 (70)	130 (130)	
	Trichloroethene	2	1.90	ug/L	95			70 (70)	130 (130)	
	1,1,2-Trichloroethane	2	1.90	ug/L	95			70 (70)	130 (130)	
	Tetrachloroethene	2	2.00	ug/L	100			70 (70)	130 (130)	
	1,1,1,2-Tetrachloroethane	2	1.90	ug/L	95			70 (70)	130 (130)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2

Datafile : VU063433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VU0624WBSD01	Vinyl Chloride	2	1.70	ug/L	85	0		70 (70)	130 (130)	20 (20)
	1,1-Dichloroethene	2	2.20	ug/L	110	26	*	70 (70)	130 (130)	20 (20)
	1,1-Dichloroethane	2	2.10	ug/L	105	5		70 (70)	130 (130)	20 (20)
	cis-1,2-Dichloroethene	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	Benzene	2	2.10	ug/L	105	5		70 (70)	130 (130)	20 (20)
	1,2-Dichloroethane	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	Trichloroethene	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)
	1,1,2-Trichloroethane	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)
	Tetrachloroethene	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	1,1,1,2-Tetrachloroethane	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VU0624WBL01

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2377

SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063431.D

Lab Sample ID: VU0624WBL01

Date Analyzed: 06/24/2025

Time Analyzed: 11:14

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_U

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VU0624WBS01	VU0624WBS01	VU063432.D	06/24/2025
VU0624WBSD01	VU0624WBSD01	VU063433.D	06/24/2025
PW-B6-L66-061925	Q2377-01	VU063434.D	06/24/2025
TB01-061925	Q2377-03	VU063435.D	06/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
 Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377
 Lab File ID: VU063419.D BFB Injection Date: 06/23/2025
 Instrument ID: MSVOA_U BFB Injection Time: 08:48
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
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	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	71.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 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
VSTDIC001	VSTDIC001	VU063421.D	06/23/2025	10:34
VSTDIC002	VSTDIC002	VU063422.D	06/23/2025	11:08
VSTDIC005	VSTDIC005	VU063423.D	06/23/2025	11:39
VSTDIC010	VSTDIC010	VU063424.D	06/23/2025	12:12
VSTDIC015	VSTDIC015	VU063425.D	06/23/2025	13:05
VSTDIC0.5	VSTDIC0.5	VU063427.D	06/23/2025	14:36

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
 Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377
 Lab File ID: VU063429.D BFB Injection Date: 06/24/2025
 Instrument ID: MSVOA_U BFB Injection Time: 09:49
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.9 (7.8) 1
176	95.0 - 101.0% of mass 174	71.3 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VU063430.D	06/24/2025	10:17
VU0624WBL01	VU0624WBL01	VU063431.D	06/24/2025	11:14
VU0624WBS01	VU0624WBS01	VU063432.D	06/24/2025	11:48
VU0624WBSD01	VU0624WBSD01	VU063433.D	06/24/2025	12:16
PW-B6-L66-061925	Q2377-01	VU063434.D	06/24/2025	12:54
TB01-061925	Q2377-03	VU063435.D	06/24/2025	13:22

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377
Lab File ID: VU063430.D Date Analyzed: 06/24/2025
Instrument ID: MSVOA_U Time Analyzed: 10:17
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	56764	6.10	0	0.00	0	0.00
UPPER LIMIT	73793.2	6.603	0		0	
LOWER LIMIT	39734.8	5.603	0		0	
EPA SAMPLE NO.						
PW-B6-L66-061925	46278	6.11	0	0.00	0	0.00
TB01-061925	40746	6.11	0	0.00	0	0.00
VU0624WBL01	48463	6.11	0	0.00	0	0.00
VU0624WBS01	50423	6.10	0	0.00	0	0.00
VU0624WBSD01	48924	6.10	0	0.00	0	0.00

IS1 = Fluorobenzene

IS2 =

IS3 =

AREA UPPER LIMIT = +30% of internal standard area

AREA LOWER LIMIT = -30% 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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	PW-B6-L66-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063434.D	1		06/24/25 12:54	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.80		70 (70) - 130 (130)	80%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.80		70 (70) - 130 (130)	80%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	46300	6.107			

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_U\Data\VU062425\
Data File : VU063434.D
Acq On : 24 Jun 2025 12:54
Operator : MD/SY
Sample : Q2377-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 25 08:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

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

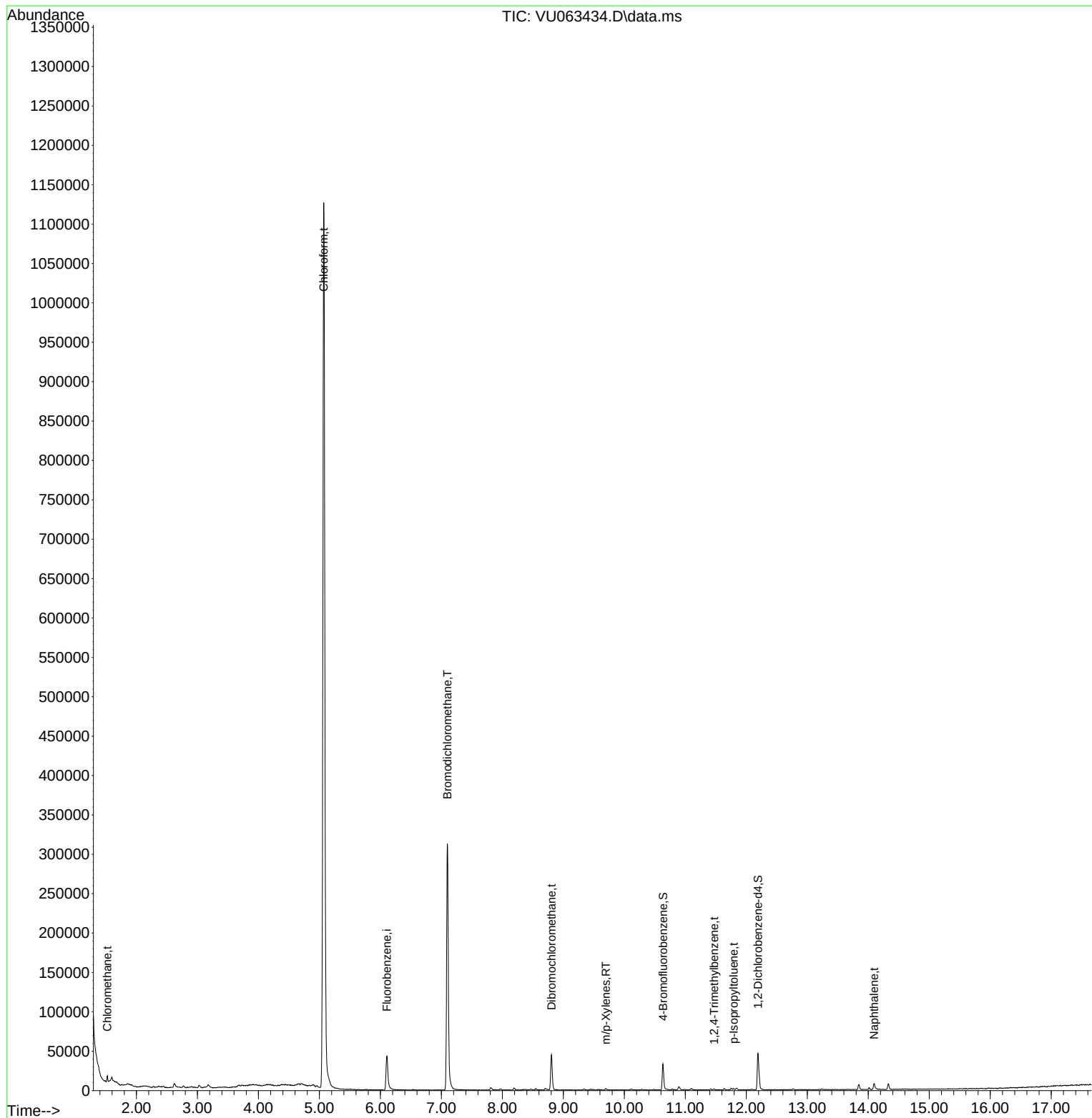
Internal Standards						
1) Fluorobenzene	6.107	96	46278	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	13619	0.802	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13641	0.799	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.522	50	4919	0.210	ug/l	99
27) Chloroform	5.071	83	1047169	38.909	ug/l	99
44) Bromodichloromethane	7.097	83	223947	11.817	ug/l	99
55) Dibromochloromethane	8.804	129	25656	2.186	ug/l	98
64) m/p-Xylenes	9.695	106	618	0.809	ug/l #	64
78) 1,2,4-Trimethylbenzene	11.473	105	1007	0.434	ug/l	98
81) p-Isopropyltoluene	11.791	119	1272	0.432	ug/l	92
89) Naphthalene	14.094	128	9003	1.136	ug/l #	93

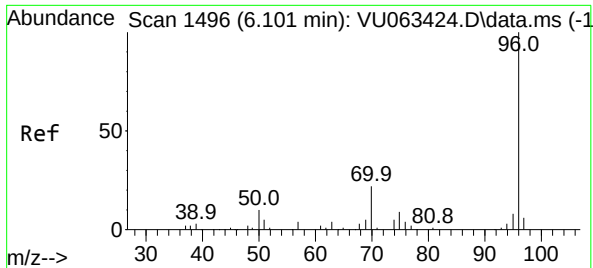
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063434.D
Acq On : 24 Jun 2025 12:54
Operator : MD/SY
Sample : Q2377-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 25 08:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration



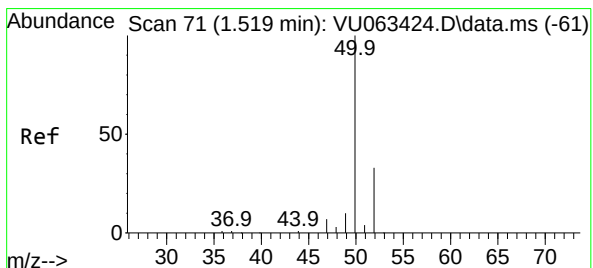
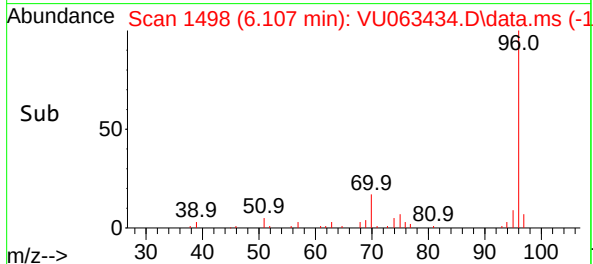
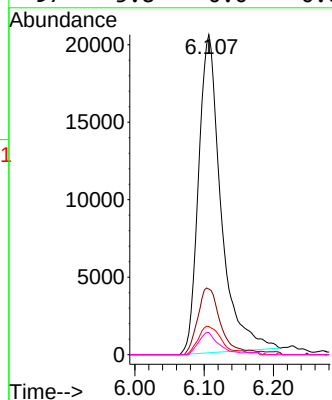
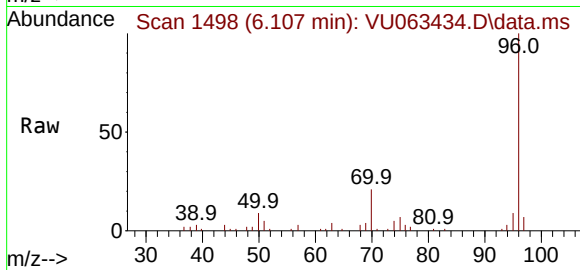


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion: 96 Resp: 46278

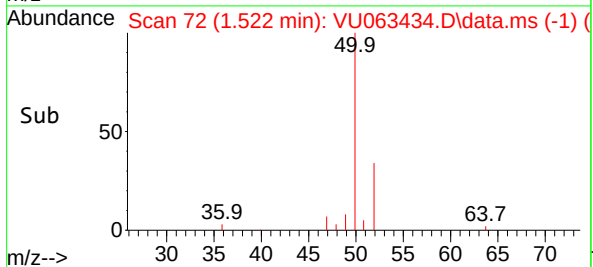
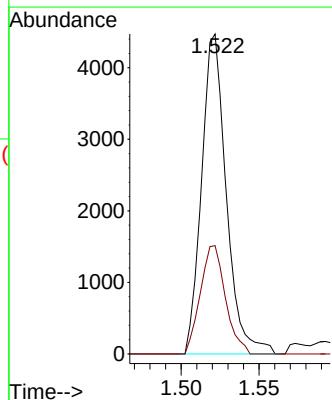
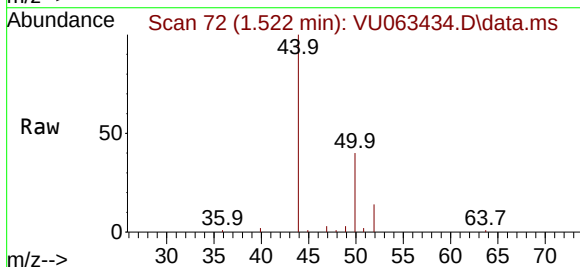
Ion	Ratio	Lower	Upper
96	100		
70	20.2	16.4	24.6
95	8.9	6.2	9.2
97	5.8	0.0	0.0

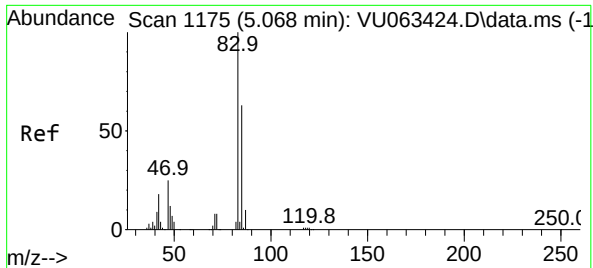


#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 50 Resp: 4919

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.6	40.0





#27

Chloroform

Concen: 38.909 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

Instrument :

MSVOA_U

ClientSampleId :

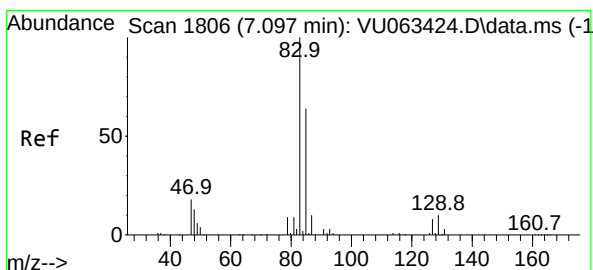
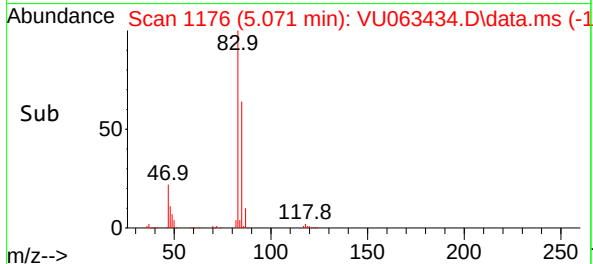
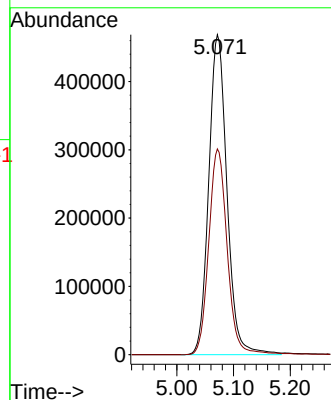
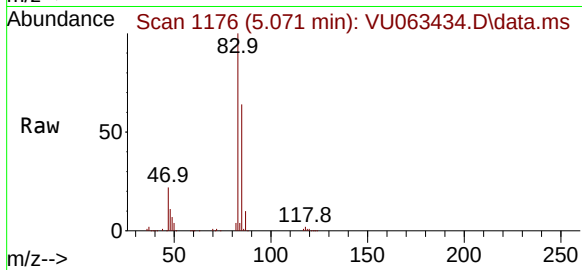
PW-B6-L66-061925

Tgt Ion: 83 Resp: 1047169

Ion Ratio Lower Upper

83 100

85 64.3 0.0 126.8



#44

Bromodichloromethane

Concen: 11.817 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

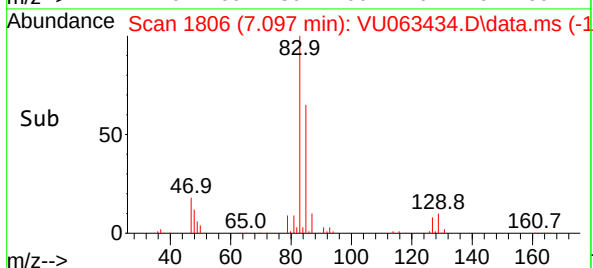
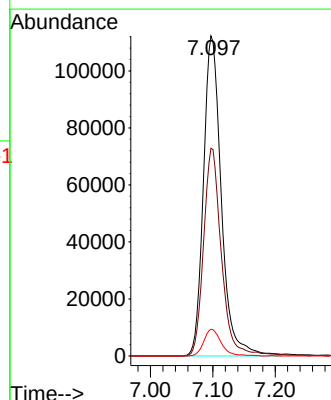
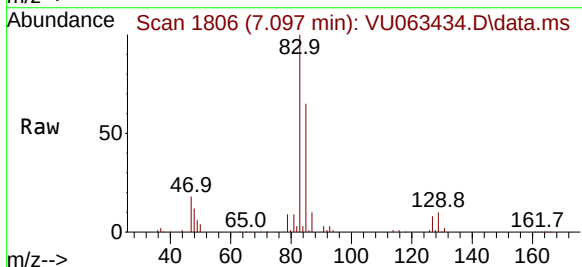
Tgt Ion: 83 Resp: 223947

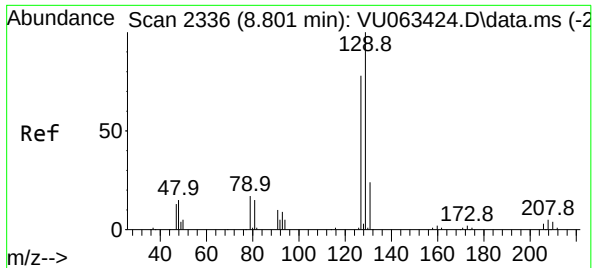
Ion Ratio Lower Upper

83 100

85 64.9 51.4 77.2

127 8.3 6.6 10.0





#55

Dibromochloromethane

Concen: 2.186 ug/l

RT: 8.804 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

Instrument :

MSVOA_U

ClientSampleId :

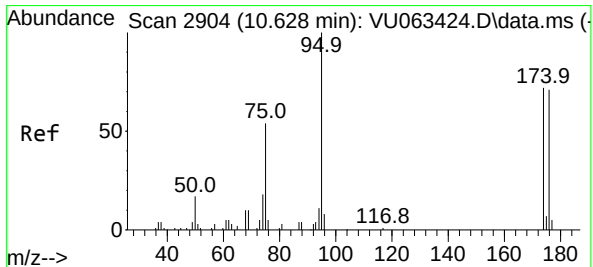
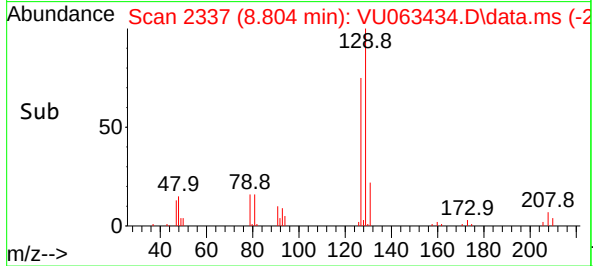
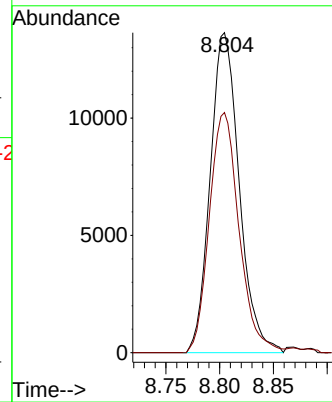
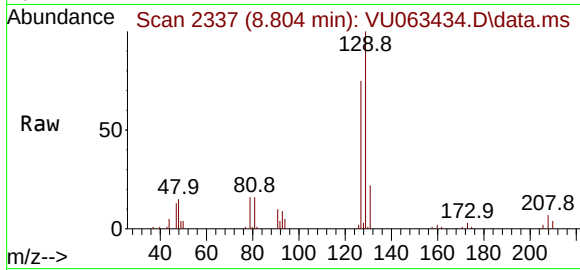
PW-B6-L66-061925

Tgt Ion:129 Resp: 25656

Ion Ratio Lower Upper

129 100

127 76.7 62.6 93.8



#57

4-Bromofluorobenzene

Concen: 0.802 ug/l

RT: 10.634 min Scan# 2906

Delta R.T. 0.006 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

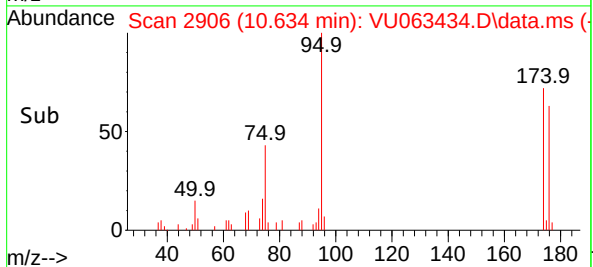
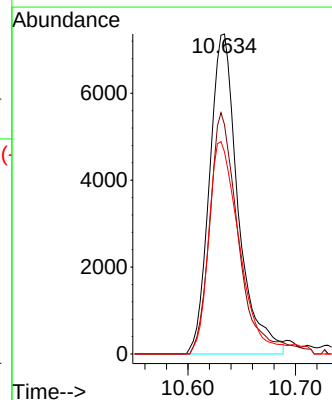
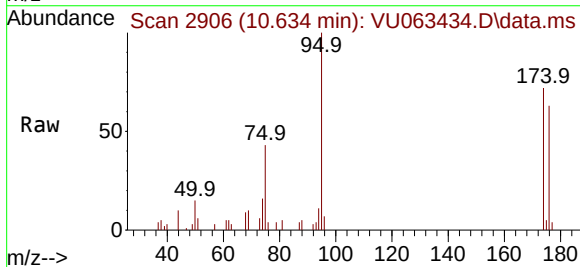
Tgt Ion: 95 Resp: 13619

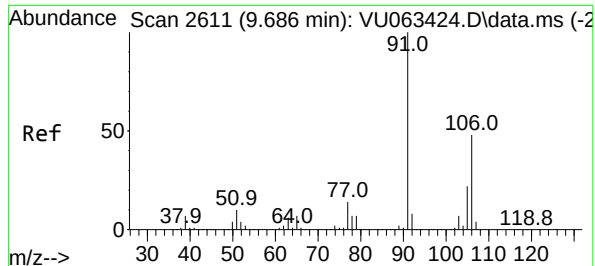
Ion Ratio Lower Upper

95 100

174 76.0 59.4 89.2

176 70.9 57.8 86.6





#64

m/p-Xylenes

Concen: 0.809 ug/l

RT: 9.695 min Scan# 2

Delta R.T. 0.009 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

Instrument :

MSVOA_U

ClientSampleId :

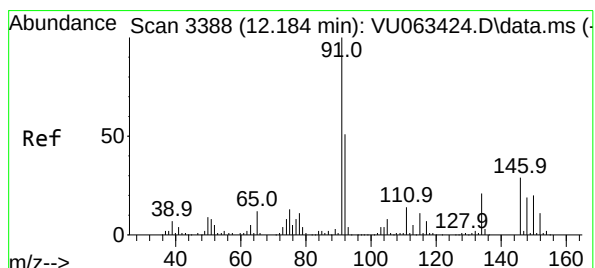
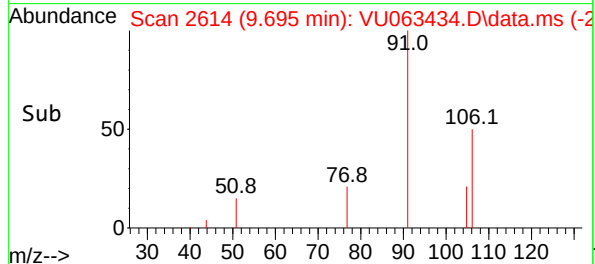
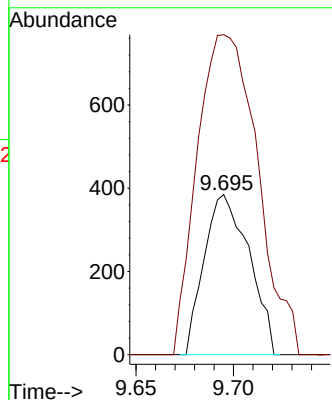
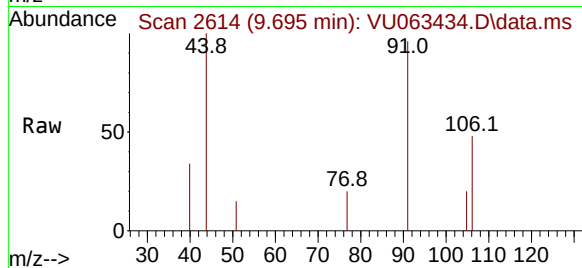
PW-B6-L66-061925

Tgt Ion:106 Resp: 618

Ion Ratio Lower Upper

106 100

91 268.3 169.9 254.9#



#68

1,2-Dichlorobenzene-d4

Concen: 0.799 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.006 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

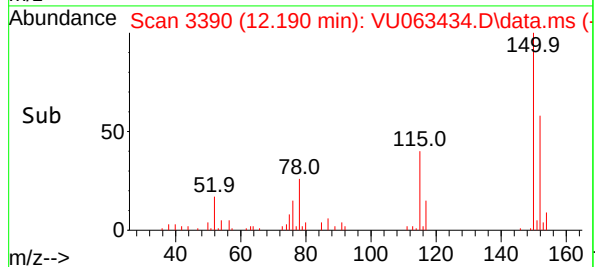
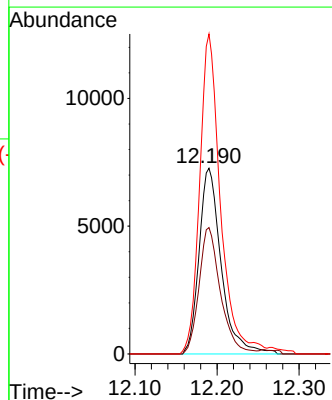
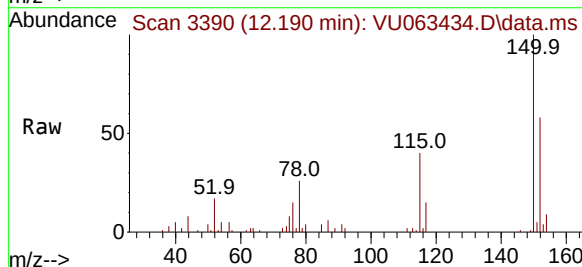
Tgt Ion:152 Resp: 13641

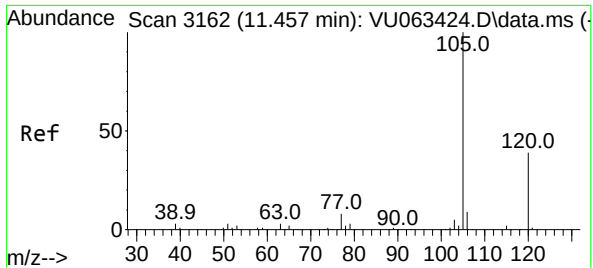
Ion Ratio Lower Upper

152 100

115 65.9 0.0 327.6

150 162.0 0.0 664.4





#78

1,2,4-Trimethylbenzene

Concen: 0.434 ug/l

RT: 11.473 min Scan# 3167

Delta R.T. 0.016 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

Instrument :

MSVOA_U

ClientSampleId :

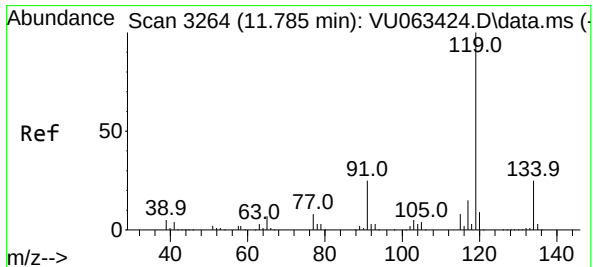
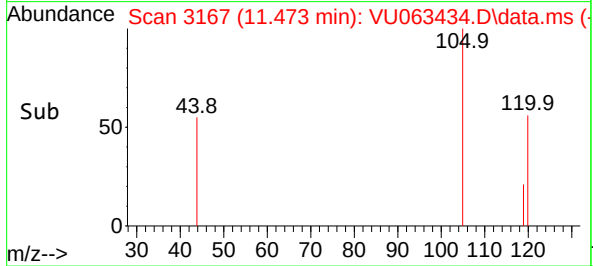
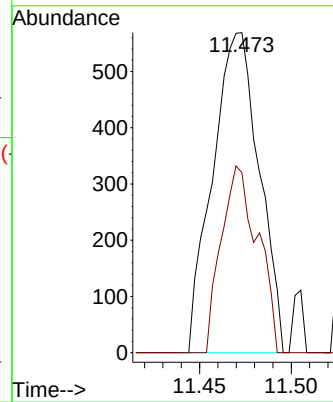
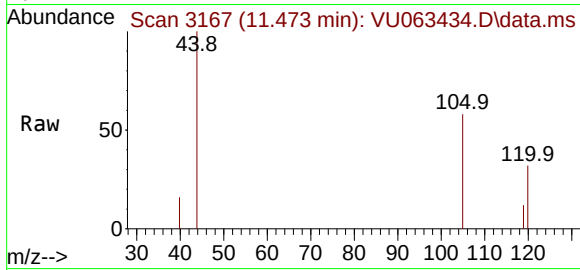
PW-B6-L66-061925

Tgt Ion:105 Resp: 1007

Ion Ratio Lower Upper

105 100

120 45.7 22.1 66.5



#81

p-Isopropyltoluene

Concen: 0.432 ug/l

RT: 11.791 min Scan# 3266

Delta R.T. 0.006 min

Lab File: VU063434.D

Acq: 24 Jun 2025 12:54

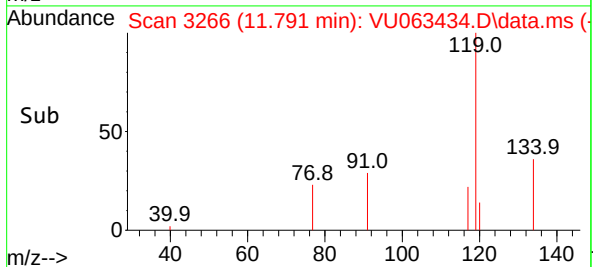
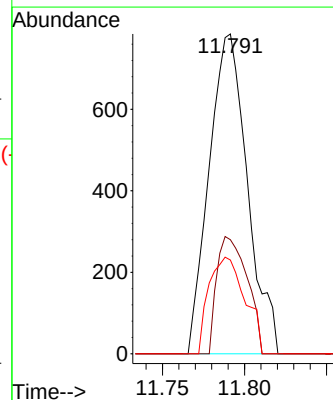
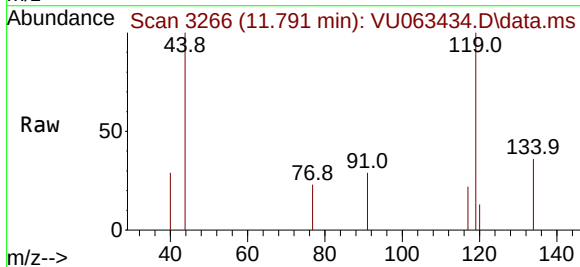
Tgt Ion:119 Resp: 1272

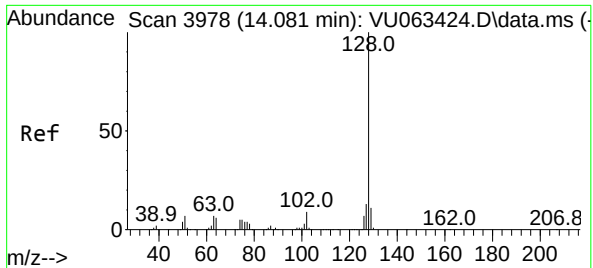
Ion Ratio Lower Upper

119 100

134 29.0 20.2 30.2

91 28.5 19.7 29.5





#89

Naphthalene

Concen: 1.136 ug/l

RT: 14.094 min Scan# 39

Delta R.T. 0.013 min

Lab File: VU063434.D

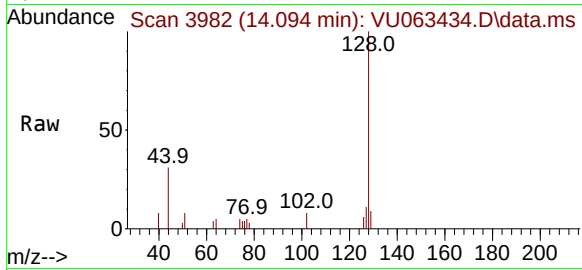
Acq: 24 Jun 2025 12:54

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L66-061925



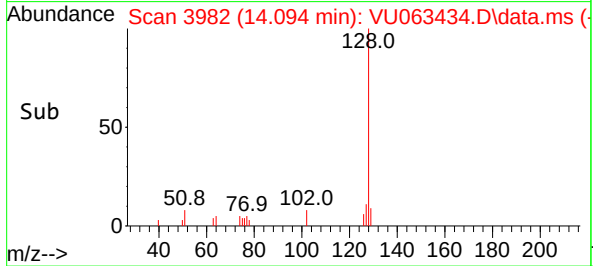
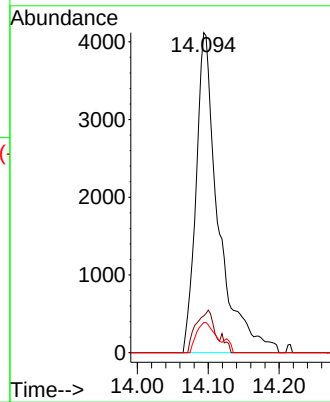
Tgt Ion:128 Resp: 9003

Ion Ratio Lower Upper

128 100

127 10.7 10.4 15.6

129 7.8 8.7 13.1#



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	TB01-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-03	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063435.D	1		06/24/25 13:22	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.92		70 (70) - 130 (130)	92%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.89		70 (70) - 130 (130)	89%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	40700	6.107			

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_U\Data\VU062425\
Data File : VU063435.D
Acq On : 24 Jun 2025 13:22
Operator : MD/SY
Sample : Q2377-03
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Quant Time: Jun 24 14:14:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	40746	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13337	0.892	ug/l	0.00
Spiked Amount	1.000		Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13889	0.924	ug/l	0.00
Spiked Amount	1.000		Recovery	=	92.000%	

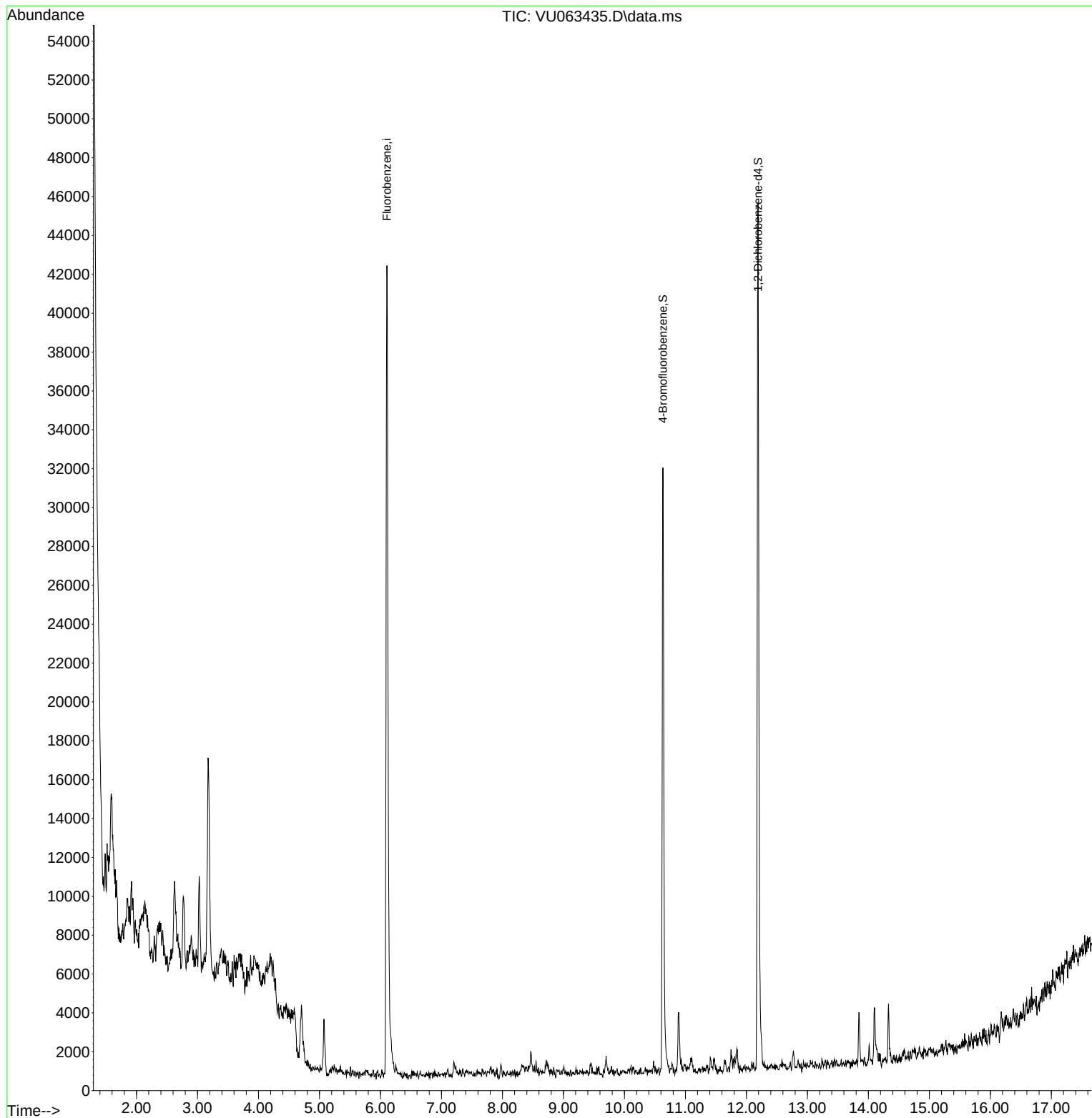
Target Compounds	Qvalue

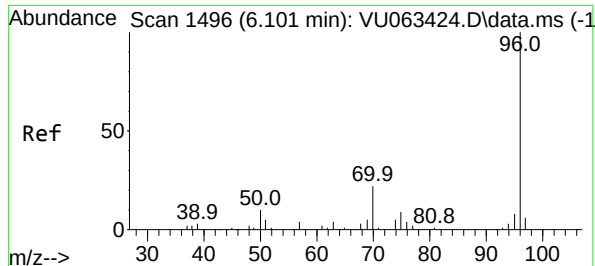
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063435.D
Acq On : 24 Jun 2025 13:22
Operator : MD/SY
Sample : Q2377-03
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Quant Time: Jun 24 14:14:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

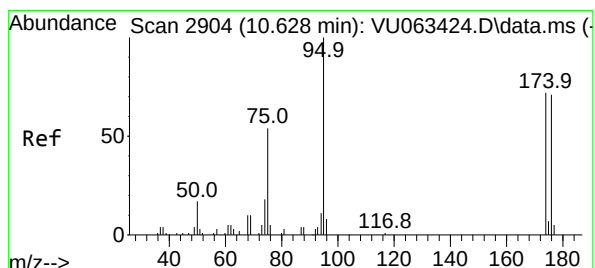
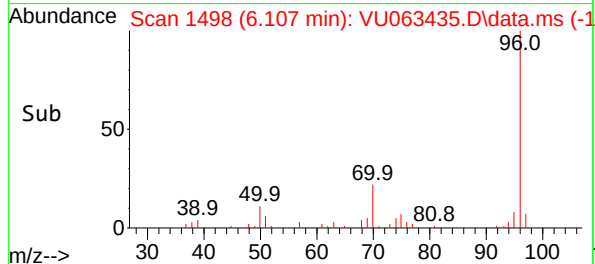
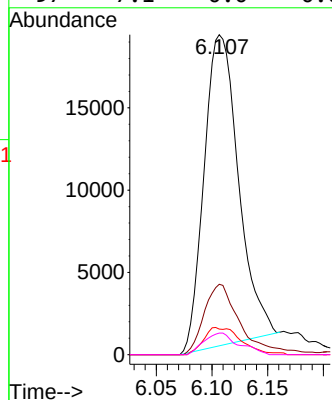
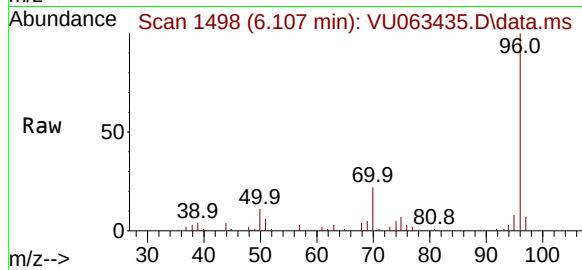




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 1496
Delta R.T. 0.006 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

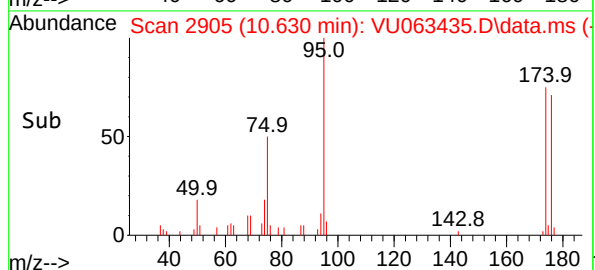
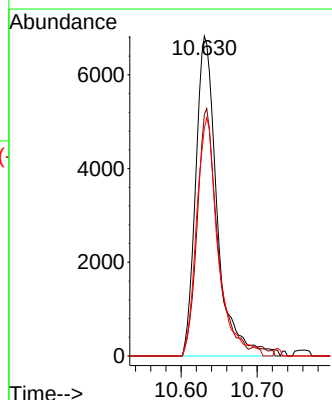
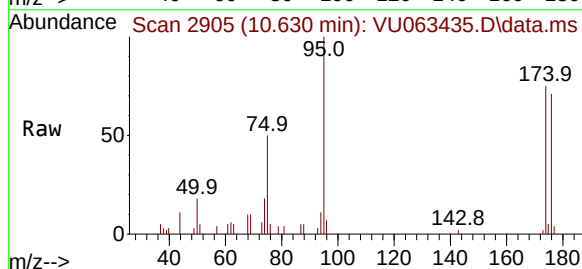
Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

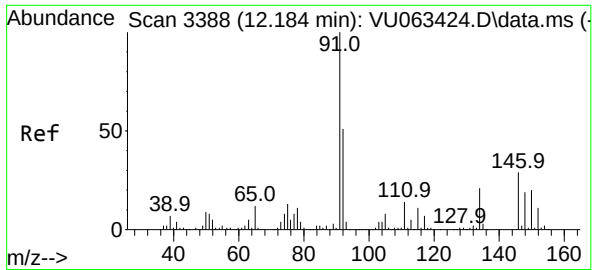
Tgt Ion: 96	Resp: 40746
Ion Ratio	Lower Upper
96 100	
70 22.9	16.4 24.6
95 9.6	6.2 9.2#
97 7.1	0.0 0.0#



#57
4-Bromofluorobenzene
Concen: 0.892 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.002 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Tgt Ion: 95	Resp: 13337
Ion Ratio	Lower Upper
95 100	
174 73.1	59.4 89.2
176 74.7	57.8 86.6





#68

1,2-Dichlorobenzene-d4

Concen: 0.924 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063435.D

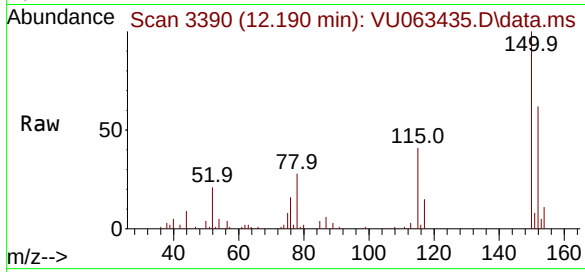
Acq: 24 Jun 2025 13:22

Instrument :

MSVOA_U

ClientSampleId :

TB01-061925



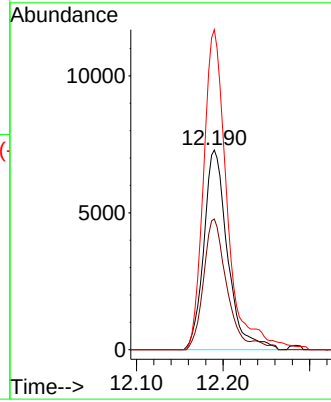
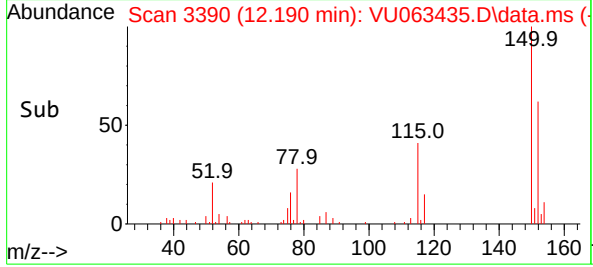
Tgt Ion:152 Resp: 13889

Ion Ratio Lower Upper

152 100

115 62.6 0.0 327.6

150 159.6 0.0 664.4





CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377
 Instrument ID: MSVOA_U Calibration Date(s): 06/23/2025 06/23/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:34 14:36
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VU063421.D		RRF002 = VU063422.D		RRF005 = VU063423.D			
		RRF010 = VU063424.D		RRF015 = VU063425.D		RRF0.5 = VU063427.D			
COMPOUND	RRF001	RRF002	RRF005	RRF010	RRF015	RRF0.5	RRF	% RSD	
Vinyl Chloride	0.422	0.418	0.453	0.444	0.432	0.431	0.433	3	
1,1-Dichloroethene	0.272	0.250	0.274	0.269	0.265	0.246	0.263	4.5	
1,1-Dichloroethane	0.600	0.596	0.644	0.631	0.612	0.639	0.620	3.3	
cis-1,2-Dichloroethene	0.320	0.308	0.335	0.320	0.314	0.337	0.322	3.5	
Benzene	1.241	1.220	1.389	1.377	1.301	1.290	1.303	5.3	
1,2-Dichloroethane	0.367	0.364	0.393	0.397	0.384	0.379	0.381	3.5	
Trichloroethene	0.297	0.294	0.327	0.321	0.318	0.291	0.308	5.2	
1,1,2-Trichloroethane	0.232	0.237	0.261	0.256	0.252	0.238	0.246	4.8	
Tetrachloroethene	0.290	0.278	0.320	0.323	0.321	0.280	0.302	7.1	
1,1,1,2-Tetrachloroethane	0.263	0.261	0.286	0.289	0.283	0.272	0.276	4.4	
1,2-Dichlorobenzene-d4	0.367	0.359	0.374	0.398	0.390	0.325	0.369	7	
4-Bromofluorobenzene	0.341	0.354	0.381	0.423	0.392	0.313	0.367	10.7	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
 Method File : 524U062325DW.M
 Title : METHOD 524.2 VOLATILES DRINKING WATER
 Last Update : Tue Jun 24 05:06:50 2025
 Response Via : Initial Calibration

Calibration Files

0.5 =VU063427.D 1 =VU063421.D 2 =VU063422.D 5 =VU063423.D 10 =VU063424.D 15 =VU063425.D

Compound		0.5	1	2	5	10	15	Avg	%RSD

1) i	Fluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.386	0.381	0.365	0.396	0.391	0.385	0.384	2.75
3) t	Chloromethane	0.553	0.511	0.487	0.514	0.487	0.483	0.506	5.28
4) Rt	Vinyl Chloride	0.431	0.422	0.418	0.453	0.444	0.432	0.433	3.04
5) T	Bromomethane	0.231	0.211	0.209	0.210	0.200	0.185	0.208	7.18
6) T	Chloroethane	0.246	0.263	0.254	0.269	0.261	0.246	0.257	3.68
7) T	Trichlorofluor...	0.516	0.467	0.474	0.511	0.502	0.494	0.494	4.04
8)	1,1,2-Trichlor...	0.267	0.256	0.252	0.273	0.267	0.264	0.263	2.90
9) Rt	1,1-Dichloroet...	0.246	0.272	0.250	0.274	0.269	0.265	0.263	4.52
10) t	Iodomethane		0.162	0.177	0.221	0.247	0.253	0.212	19.34
11) t	Allyl Chloride	0.475	0.458	0.447	0.482	0.480	0.465	0.468	2.94
12) t	Acrylonitrile	0.082	0.069	0.075	0.078	0.076	0.076	0.076	5.61
13) T	Acetone	0.101	0.057	0.055	0.082	0.071	0.091	0.076	24.53
14) T	Carbon Disulfide	0.926	0.912	0.877	0.941	0.927	0.911	0.916	2.37
15) RT	Methylene Chlo...	0.379	0.325	0.309	0.337	0.327	0.320	0.333	7.39
16) RT	trans-1,2-Dich...	0.303	0.297	0.273	0.308	0.299	0.292	0.295	4.16
17) t	1,1-Dichloroet...	0.639	0.600	0.596	0.644	0.631	0.612	0.620	3.33
18) T	2-Butanone	0.122	0.082	0.092	0.116	0.106	0.118	0.106	14.85
19)	Cyclohexane	0.466	0.421	0.444	0.489	0.485	0.510	0.469	6.93
20)	Methylcyclohexane	0.393	0.373	0.384	0.454	0.501	0.510	0.436	13.99
21) T	2,2-Dichloropr...	0.456	0.434	0.412	0.456	0.442	0.444	0.441	3.71
22) RT	cis-1,2-Dichlo...	0.337	0.320	0.308	0.335	0.320	0.314	0.322	3.54
23) t	Diethyl Ether	0.235	0.216	0.236	0.247	0.244	0.244	0.237	4.83
24) t	tert-Butyl Alc...		0.022	0.025	0.025	0.026	0.026	0.025	7.48
25) t	Methyl tert-Bu...	0.708	0.686	0.675	0.739	0.739	0.737	0.714	4.01
26) t	Bromochloromet...	0.129	0.123	0.118	0.132	0.128	0.124	0.126	4.13
27) t	Chloroform	0.608	0.579	0.555	0.601	0.583	0.564	0.582	3.50
28) RT	1,1,1-Trichlor...	0.455	0.471	0.440	0.505	0.495	0.462	0.472	5.20
29) T	1,1-Dichloropr...	0.427	0.403	0.404	0.461	0.452	0.438	0.431	5.66
30) RT	Carbon Tetrach...	0.354	0.367	0.360	0.405	0.402	0.372	0.377	5.71
31) t	Isopropyl Ether	1.028	0.927	0.903	0.987	1.005	0.965	0.969	4.88
32)	Ethyl-t-butyl ...	0.848	0.784	0.765	0.838	0.850	0.844	0.821	4.55
33)	Tert-Amyl meth...	0.543	0.518	0.531	0.616	0.642	0.677	0.588	11.21
34) t	Propionitrile	0.036	0.028	0.030	0.031	0.029	0.029	0.031	9.26
35) RT	Benzene	1.290	1.241	1.220	1.389	1.377	1.301	1.303	5.29
36) RT	1,2-Dichloroet...	0.379	0.367	0.364	0.393	0.397	0.384	0.381	3.49
37) RT	Trichloroethene	0.291	0.297	0.294	0.327	0.321	0.318	0.308	5.15
38) Rt	1,2-Dichloropr...	0.329	0.341	0.334	0.389	0.386	0.380	0.360	7.79
39) t	Methacrylonitrile	0.161	0.118	0.108	0.126	0.129	0.123	0.127	14.12
40) t	Methyl acrylate	0.204	0.149	0.146	0.177	0.203	0.195	0.179	14.73
41) t	Tetrahydrofuran	0.088	0.064	0.060	0.069	0.066	0.065	0.069	14.32
42) t	1-Chlorobutane	0.591	0.573	0.571	0.635	0.639	0.658	0.611	6.13
43) T	Dibromomethane	0.173	0.154	0.156	0.179	0.175	0.172	0.168	6.29
44) T	Bromodichlorom...	0.408	0.394	0.393	0.427	0.423	0.412	0.410	3.46
45) T	4-Methyl-2-Pen...	0.158	0.147	0.164	0.198	0.206	0.209	0.180	14.99
46) t	t-1,4-Dichloro...	0.074	0.057	0.058	0.055	0.058	0.054	0.059	12.40
47) t	Methyl methacr...	0.099	0.100	0.112	0.148	0.159	0.164	0.130	23.02
48) t	Ethyl methacry...	0.177	0.172	0.198	0.260	0.286	0.306	0.233	24.90
49) Rt	Toluene	0.588	0.611	0.651	0.805	0.820	0.818	0.715	15.45
50) T	t-1,3-Dichloro...	0.243	0.250	0.257	0.316	0.342	0.363	0.295	17.61
51) T	cis-1,3-Dichlo...	0.327	0.343	0.353	0.433	0.451	0.472	0.397	15.77
52) RT	1,1,2-Trichlor...	0.238	0.232	0.237	0.261	0.256	0.252	0.246	4.78
53) t	1,3-Dichloropr...	0.415	0.382	0.398	0.449	0.451	0.442	0.423	6.88
54) t	2-Hexanone	0.114	0.084	0.104	0.134	0.140	0.152	0.121	21.00
55) t	Dibromochlorom...	0.248	0.222	0.237	0.269	0.272	0.274	0.254	8.46
56) T	1,2-Dibromoethane	0.196	0.193	0.188	0.212	0.205	0.203	0.199	4.40
57) S	4-Bromofluorob...	0.313	0.341	0.354	0.381	0.423	0.392	0.367	10.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\										
Method File : 524U062325DW.M										
58) RT	Tetrachloroethene	0.280	0.290	0.278	0.320	0.323	0.321	0.302	7.14	
59) Rt	Chlorobenzene	0.689	0.688	0.706	0.837	0.840	0.836	0.766	10.26	
60) T	1,1,1,2-Tetrac...	0.272	0.263	0.261	0.286	0.289	0.283	0.276	4.37	
61) t	Pentachloroethane	0.237	0.217	0.217	0.238	0.227	0.212	0.225	4.98	
62) t	Hexachloroethane	0.185	0.185	0.198	0.218	0.212	0.214	0.202	7.38	
63) Rt	Ethyl Benzene	0.977	0.989	1.080	1.367	1.457	1.497	1.228	19.48	
64) RT	m/p-Xylenes	0.351	0.385	0.413	0.553	0.585	0.588	0.479	22.47	
65) RT	o-Xylene	0.366	0.390	0.416	0.525	0.547	0.556	0.466	18.28	
66) RT	Styrene	0.550	0.584	0.647	0.892	0.940	0.944	0.759	24.37	
67) t	Bromoform	0.127	0.126	0.131	0.150	0.149	0.150	0.139	8.75	
68) S	1,2-Dichlorobe...	0.325	0.367	0.359	0.374	0.398	0.390	0.369	7.00	
69) T	Isopropylbenzene	0.832	0.872	0.977	1.224	1.281	1.298	1.081	19.58	
70) T	1,1,2,2-Tetrac...	0.325	0.282	0.302	0.336	0.323	0.319	0.314	6.21	
71) T	1,2,3-Trichlor...	0.285	0.227	0.228	0.291	0.238	0.272	0.257	11.40	
72) t	Bromobenzene	0.268	0.267	0.282	0.337	0.336	0.330	0.303	11.28	
73) t	n-propylbenzene	0.244	0.266	0.291	0.377	0.392	0.397	0.328	20.95	
74) t	2-Chlorotoluene	0.230	0.254	0.279	0.342	0.347	0.347	0.300	17.38	
75) t	1,3,5-Trimethy...	0.726	0.785	0.951	1.242	1.305	1.296	1.051	25.07	
76) t	4-Chlorotoluene	0.243	0.257	0.300	0.360	0.357	0.367	0.314	17.61	
77) t	tert-Butylbenzene	0.779	0.845	0.902	1.111	1.160	1.161	0.993	17.20	
78) t	1,2,4-Trimethy...	0.731	0.804	0.929	1.251	1.309	1.328	1.058	25.38	
79) t	sec-Butylbenzene	1.060	1.140	1.306	1.604	1.658	1.670	1.406	19.44	
80)	Nitrobenzene	0.022	0.009	0.012	0.014	0.014	0.015	0.014	31.09	
81) t	p-Isopropyltol...	0.768	0.838	0.974	1.282	1.361	1.371	1.099	24.75	
82) t	1,3-Dichlorobe...	0.564	0.574	0.603	0.679	0.680	0.670	0.628	8.62	
83) Rt	1,4-Dichlorobe...	0.603	0.580	0.607	0.724	0.703	0.695	0.652	9.52	
84) t	n-Butylbenzene	0.964	0.913	1.013	1.281	1.362	1.373	1.151	18.28	
85) Rt	1,2-Dichlorobe...	0.537	0.539	0.570	0.661	0.657	0.644	0.601	9.83	
86) t	1,2-Dibromo-3-...	0.038	0.034	0.042	0.049	0.048	0.048	0.043	14.15	
87) Rt	1,2,4-Trichlor...	0.347	0.273	0.283	0.349	0.374	0.386	0.335	13.99	
88) t	Hexachlorobuta...	0.232	0.224	0.213	0.253	0.253	0.252	0.238	7.25	
89) t	Naphthalene	0.383	0.441	0.563	0.670	0.734	0.558	26.50		
90) t	1,2,3-Trichlor...	0.362	0.258	0.276	0.344	0.376	0.384	0.333	15.96	

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063421.D
 Acq On : 23 Jun 2025 10:34
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 24 04:39:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.107	96	50621	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17242	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18573	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	19305	0.993	ug/l	100
3) Chloromethane	1.518	50	25882	1.010	ug/l	98
4) Vinyl Chloride	1.599	62	21340	0.973	ug/l	96
5) Bromomethane	1.850	94	10698	1.018	ug/l	95
6) Chloroethane	1.927	64	13329	1.026	ug/l	96
7) Trichlorofluoromethane	2.129	101	23621	0.944	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	12977	0.974	ug/l	99
9) 1,1-Dichloroethene	2.570	96	13771	1.036	ug/l	96
10) Iodomethane	2.711	142	8204	0.765	ug/l	97
11) Allyl Chloride	2.911	41	23179	0.979	ug/l	99
12) Acrylonitrile	3.309	53	6950m	1.810	ug/l	
13) Acetone	2.621	43	14352	3.388	ug/l	97
14) Carbon Disulfide	2.779	76	46154	0.996	ug/l	98
15) Methylene Chloride	3.030	84	16433	0.975	ug/l	98
16) trans-1,2-Dichloroethene	3.338	96	15049	1.006	ug/l	95
17) 1,1-Dichloroethane	3.850	63	30350	0.966	ug/l	98
18) 2-Butanone	4.721	43	20847	3.890	ug/l	97
19) Cyclohexane	5.364	56	21333	0.898	ug/l	95
20) Methylcyclohexane	6.747	83	18882m	0.860	ug/l	
21) 2,2-Dichloropropane	4.647	77	21970	0.984	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	16188	0.992	ug/l	96
23) Diethyl Ether	2.371	59	10925	0.911	ug/l	91
24) tert-Butyl Alcohol	3.197	59	11089	8.777	ug/l	96
25) Methyl tert-Butyl Ether	3.364	73	34747	0.961	ug/l	100
26) Bromochloromethane	4.962	128	6202	0.976	ug/l	96
27) Chloroform	5.071	83	29297	0.995	ug/l	97
28) 1,1,1-Trichloroethane	5.300	97	23844	0.999	ug/l	99
29) 1,1-Dichloropropene	5.512	75	20379	0.935	ug/l	98
30) Carbon Tetrachloride	5.502	117	18574	0.974	ug/l	98
31) Isopropyl Ether	3.991	45	46937	0.951	ug/l	92
32) Ethyl-t-butyl ether	4.505	59	39664m	0.954	ug/l	
33) Tert-Amyl methyl ether	5.943	73	26233m	0.883	ug/l	
34) Propionitrile	4.776	54	7198	4.643	ug/l	# 92
35) Benzene	5.763	78	62845	0.953	ug/l	97
36) 1,2-Dichloroethane	5.788	62	18585	0.964	ug/l	99
37) Trichloroethene	6.531	130	15019	0.964	ug/l	94
38) 1,2-Dichloropropane	6.785	63	17241	0.946	ug/l	100
39) Methacrylonitrile	4.975	41	5952	0.923	ug/l	95
40) Methyl acrylate	4.850	55	7532	0.830	ug/l	100
41) Tetrahydrofuran	5.065	42	6490	1.870	ug/l	93
42) 1-Chlorobutane	5.441	56	29010m	0.938	ug/l	
43) Dibromomethane	6.911	93	7800	0.917	ug/l	98
44) Bromodichloromethane	7.100	83	19937	0.962	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063421.D
 Acq On : 23 Jun 2025 10:34
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:39:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	37282	4.081	ug/l	92
46) t-1,4-Dichloro-2-butene	10.827	75	5819m	1.995	ug/l	
47) Methyl methacrylate	6.972	69	10083	2.101	ug/l	95
48) Ethyl methacrylate	8.338	69	8728	0.973	ug/l	98
49) Toluene	7.962	92	30905	0.853	ug/l	96
50) t-1,3-Dichloropropene	8.210	75	12646	0.846	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	17373	0.865	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	11731	0.943	ug/l	94
53) 1,3-Dichloropropane	8.573	76	19322	0.903	ug/l	97
54) 2-Hexanone	8.698	43	21141	4.397	ug/l	89
55) Dibromochloromethane	8.804	129	11242	0.876	ug/l	96
56) 1,2-Dibromoethane	8.920	107	9751	0.967	ug/l	95
58) Tetrachloroethene	8.544	164	14681	0.960	ug/l	95
59) Chlorobenzene	9.441	112	34842	0.899	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.525	131	13320	0.954	ug/l	99
61) Pentachloroethane	11.415	117	10985	0.966	ug/l	100
62) Hexachloroethane	12.467	117	9374	0.917	ug/l	99
63) Ethyl Benzene	9.563	91	50087	0.806	ug/l	96
64) m/p-Xylenes	9.689	106	38930	2.060	ug/l	92
65) o-Xylene	10.094	106	19731	0.836	ug/l	97
66) Styrene	10.110	104	29573	1.013	ug/l	97
67) Bromoform	10.283	173	6361	0.907	ug/l	98
69) Isopropylbenzene	10.476	105	44144	0.807	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	14262	0.896	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	11475m	0.867	ug/l	
72) Bromobenzene	10.779	156	13533	0.881	ug/l	94
73) n-propylbenzene	10.898	120	13461	1.019	ug/l	89
74) 2-Chlorotoluene	10.978	126	12836	0.846	ug/l	82
75) 1,3,5-Trimethylbenzene	11.081	105	39748	0.964	ug/l	99
76) 4-Chlorotoluene	11.094	126	12996	0.817	ug/l	92
77) tert-Butylbenzene	11.412	119	42753	0.851	ug/l	97
78) 1,2,4-Trimethylbenzene	11.460	105	40697	1.007	ug/l	96
79) sec-Butylbenzene	11.634	105	57690	0.810	ug/l	100
80) Nitrobenzene	13.225	77	2196m	4.225	ug/l	
81) p-Isopropyltoluene	11.785	119	42416	1.007	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	29075	0.914	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	29356m	0.890	ug/l	
84) n-Butylbenzene	12.203	91	46235	0.793	ug/l	94
85) 1,2-Dichlorobenzene	12.206	146	27280	0.896	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	1728	0.790	ug/l	99
87) 1,2,4-Trichlorobenzene	13.840	180	13837	0.815	ug/l	98
88) Hexachlorobutadiene	14.010	225	11315	0.940	ug/l	97
89) Naphthalene	14.090	128	19413	1.384	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.325	180	13071	0.774	ug/l	98

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

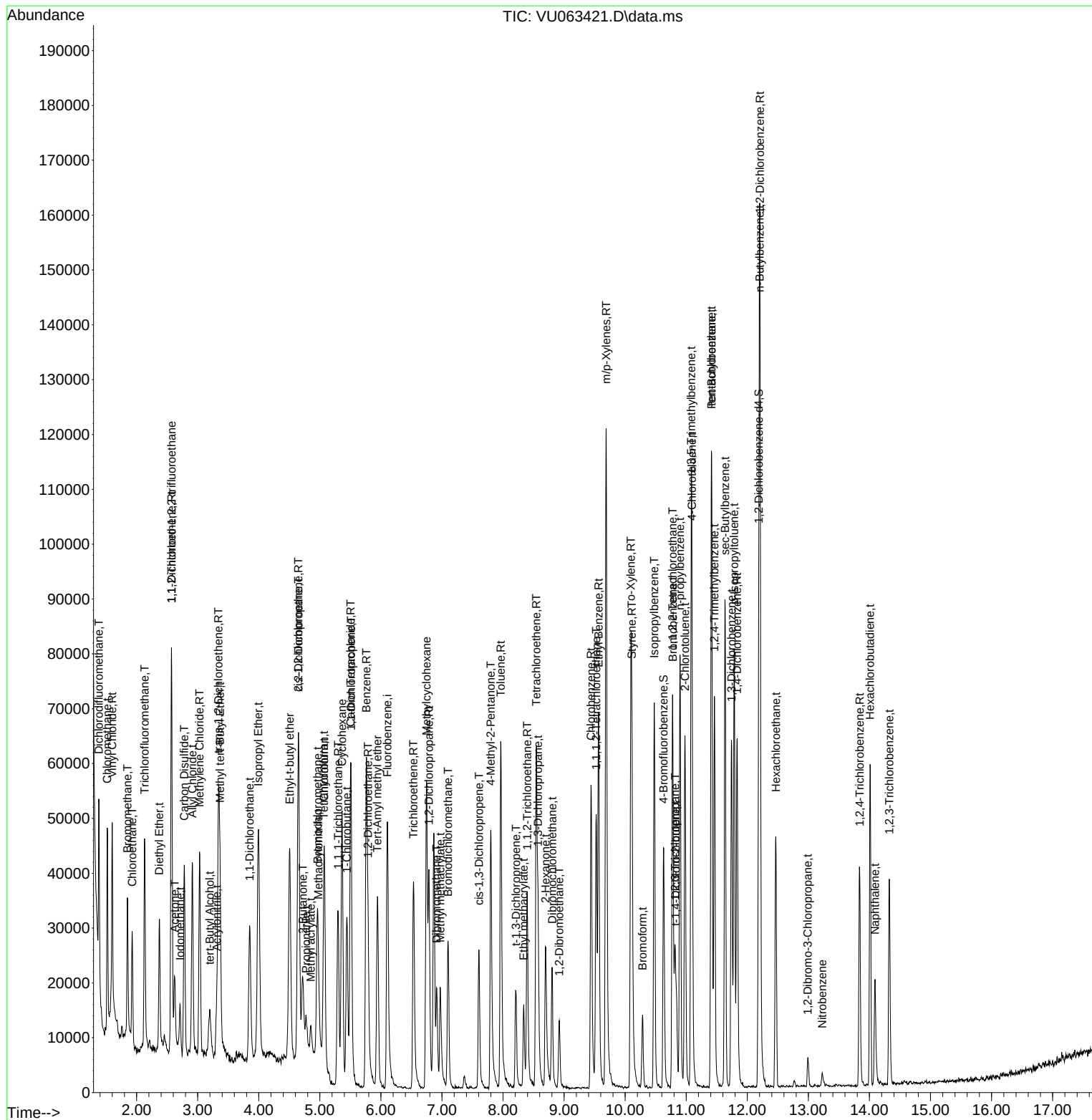
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 Data File : VU063421.D
 Acq On : 23 Jun 2025 10:34
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

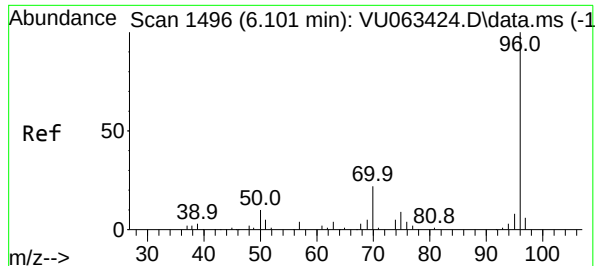
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 06/25/2025
 Supervised By : Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:39:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration





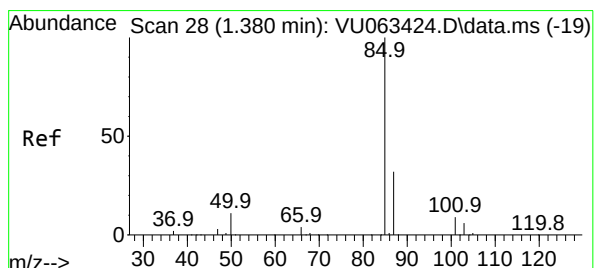
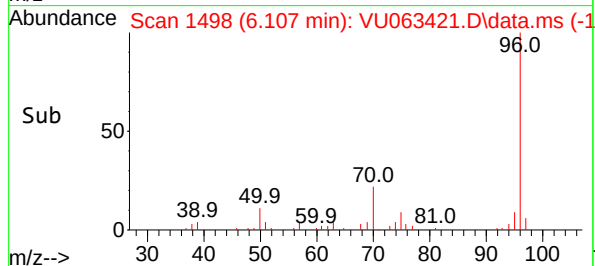
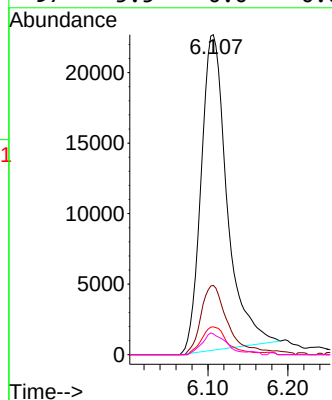
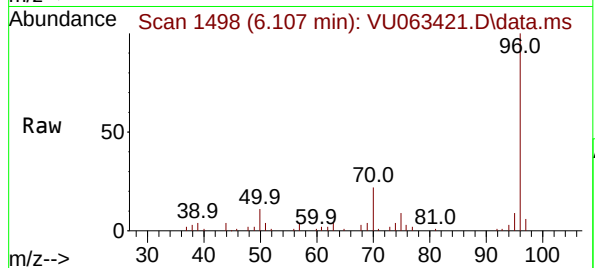
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 1496
Delta R.T. 0.006 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 5062
Ion Ratio Lower Upper
96 100
70 23.6 16.4 24.6
95 8.1 6.2 9.2
97 5.5 0.0 0.0#

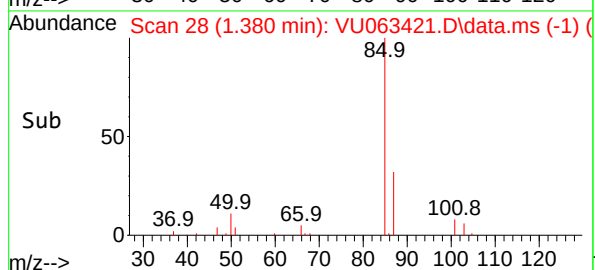
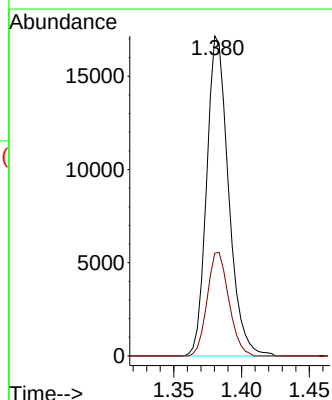
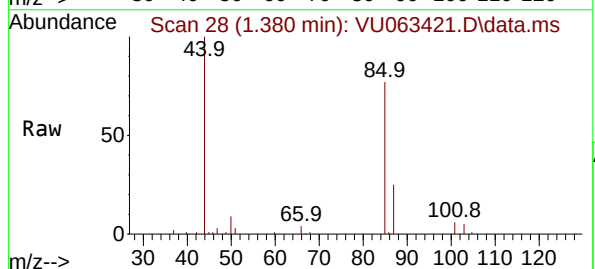
Manual Integrations
APPROVED

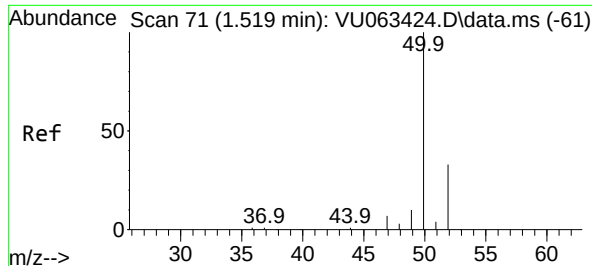
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 0.993 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 85 Resp: 19305
Ion Ratio Lower Upper
85 100
87 32.1 16.2 48.5





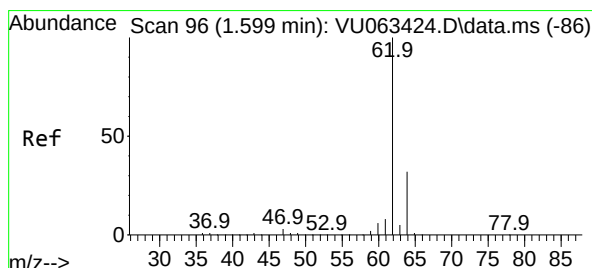
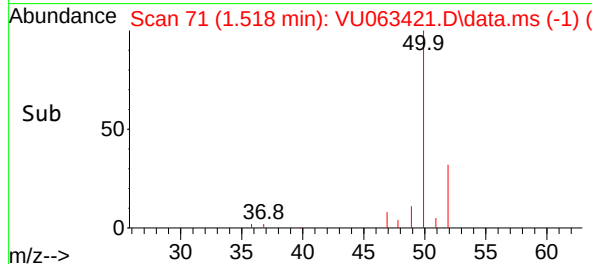
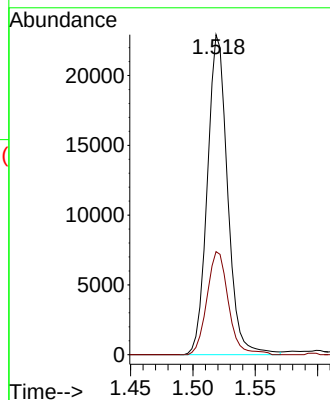
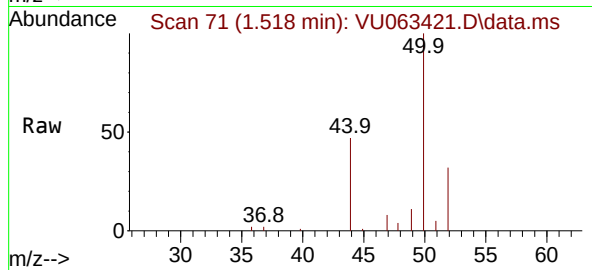
#3
Chloromethane
Concen: 1.010 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2588
Ion Ratio Lower Upper
50 100
52 32.2 26.6 40.0

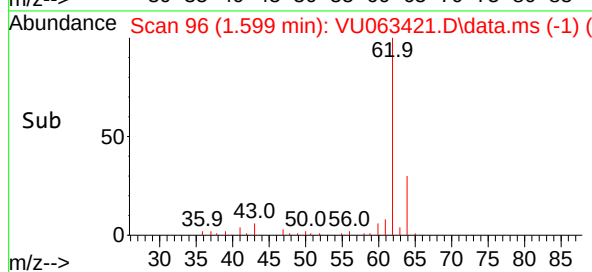
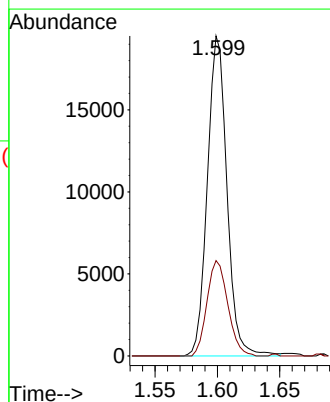
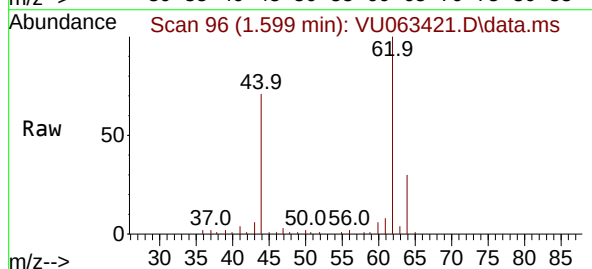
Manual Integrations
APPROVED

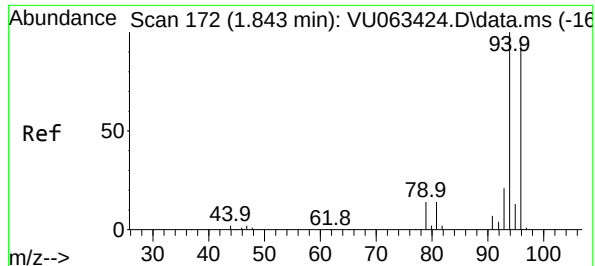
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 0.973 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 62 Resp: 21340
Ion Ratio Lower Upper
62 100
64 29.8 25.7 38.5





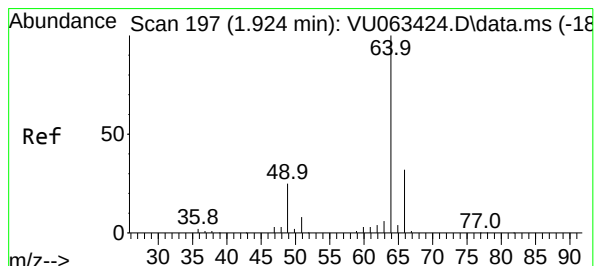
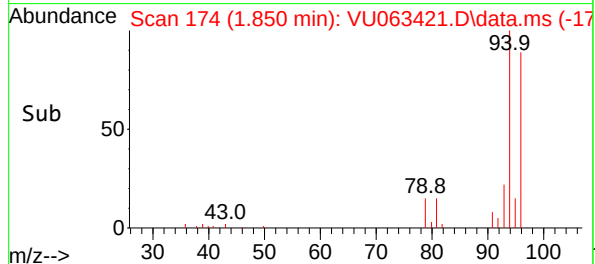
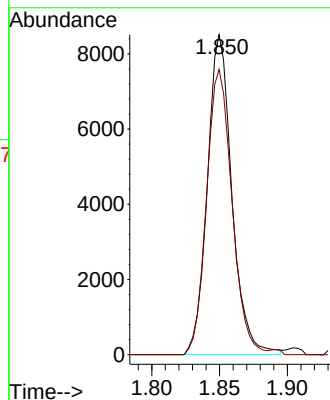
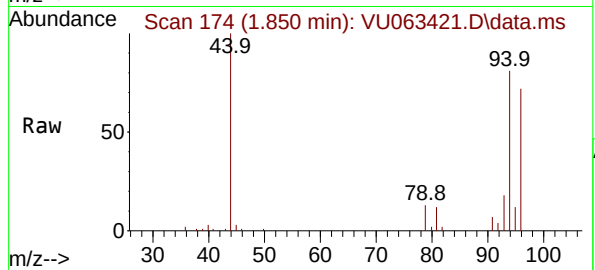
#5
Bromomethane
Concen: 1.018 ug/l
RT: 1.850 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 10698
Ion Ratio Lower Upper
94 100
96 89.1 74.8 112.2

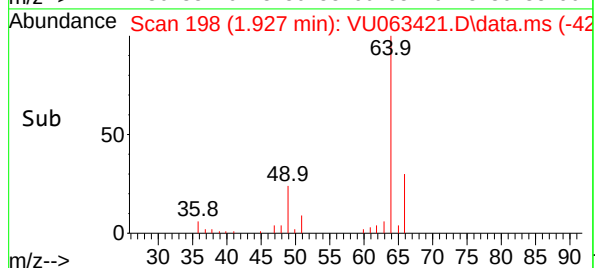
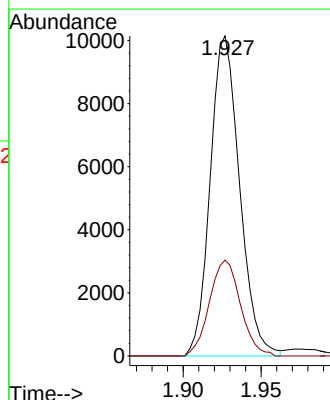
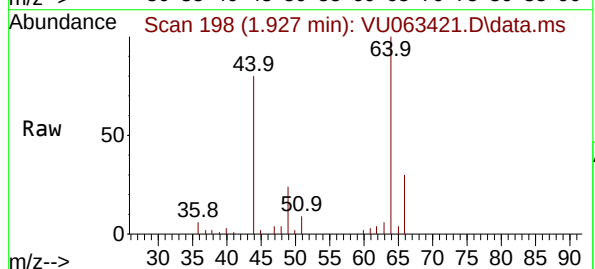
Manual Integrations
APPROVED

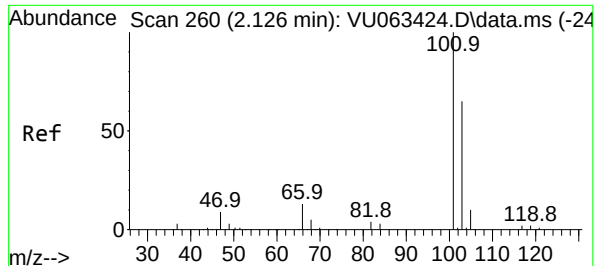
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 1.026 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

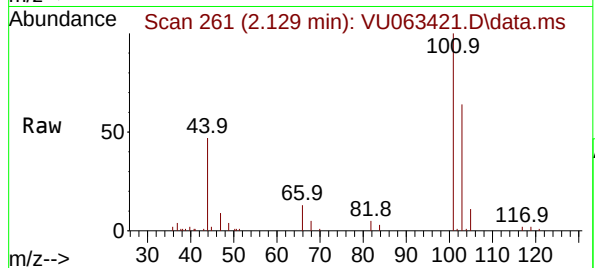
Tgt Ion: 64 Resp: 13329
Ion Ratio Lower Upper
64 100
66 29.9 25.7 38.5





#7
Trichlorofluoromethane
Concen: 0.944 ug/l
RT: 2.129 min Scan# 201
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

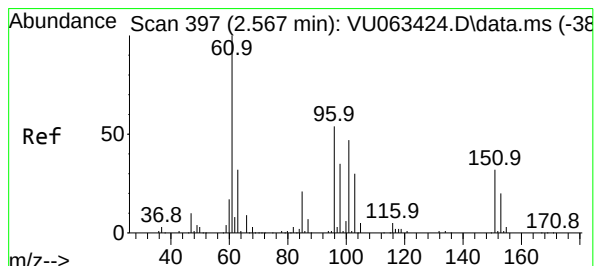
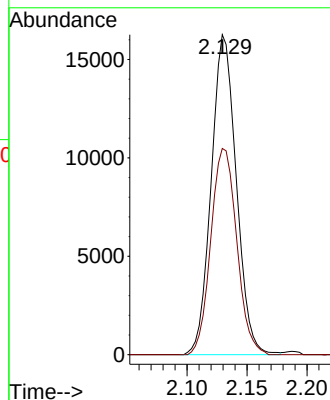
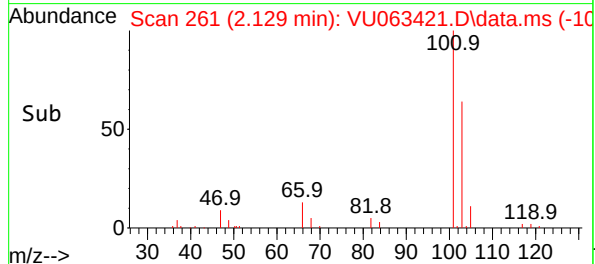
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



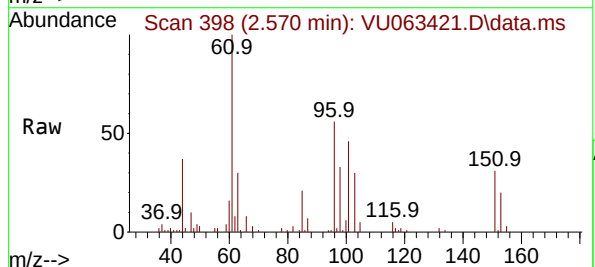
Tgt Ion:101 Resp: 2362
Ion Ratio Lower Upper
101 100
103 64.5 52.3 78.5

Manual Integrations
APPROVED

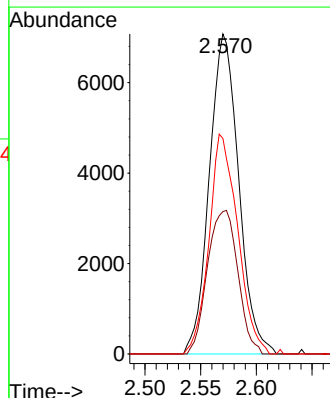
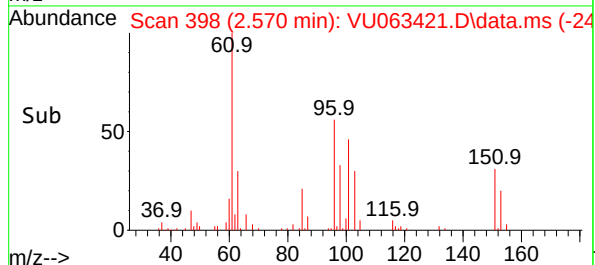
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

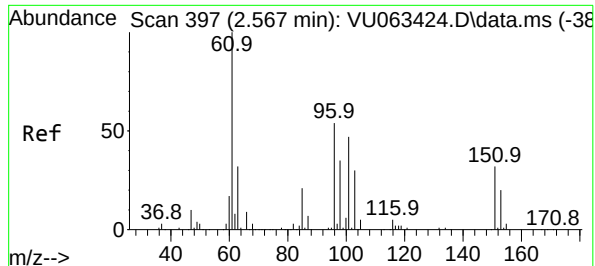


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.974 ug/l
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34



Tgt Ion:101 Resp: 12977
Ion Ratio Lower Upper
101 100
85 46.5 36.7 55.1
151 67.2 53.9 80.9





#9

1,1-Dichloroethene

Concen: 1.036 ug/l

RT: 2.570 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1377

Ion Ratio Lower Upper

96 100

61 180.0 0.0 552.0

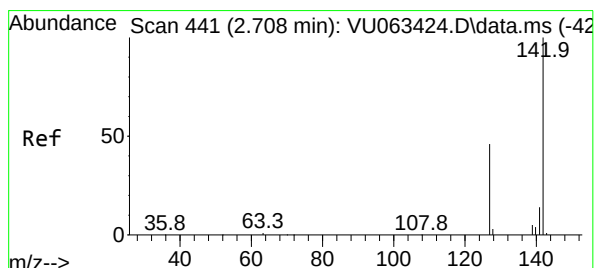
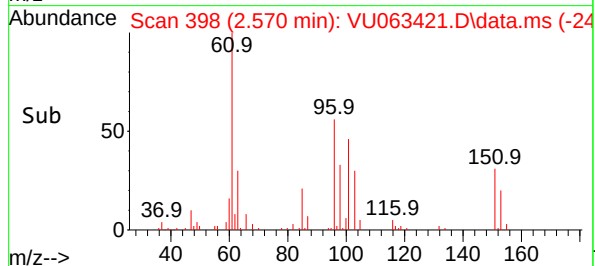
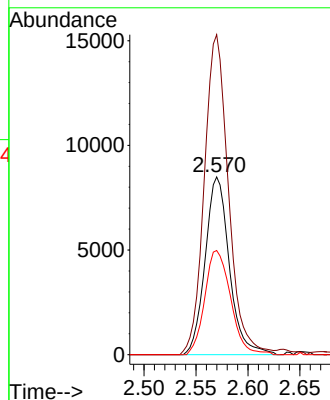
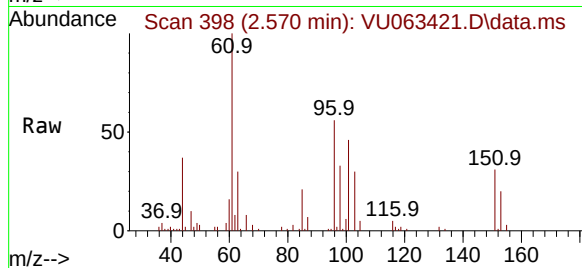
98 58.6 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#10

Iodomethane

Concen: 0.765 ug/l

RT: 2.711 min Scan# 442

Delta R.T. 0.003 min

Lab File: VU063421.D

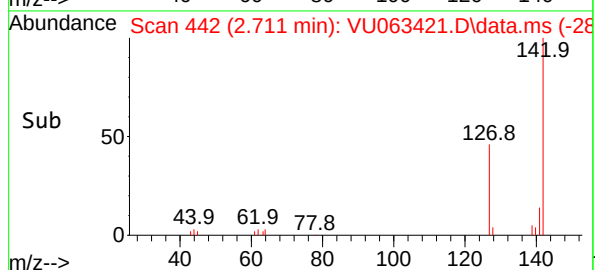
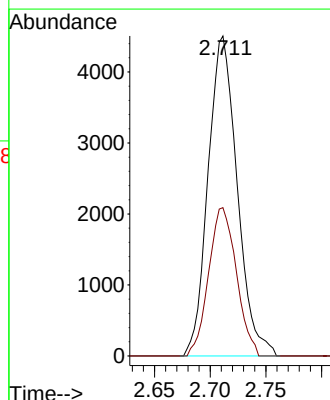
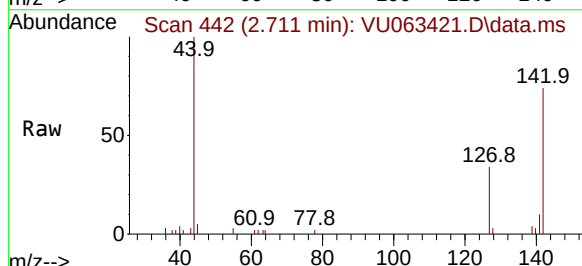
Acq: 23 Jun 2025 10:34

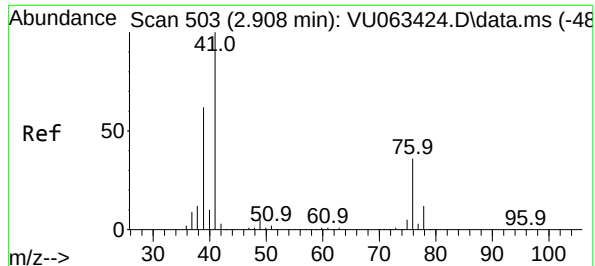
Tgt Ion:142 Resp: 8204

Ion Ratio Lower Upper

142 100

127 44.1 36.9 55.3





#11

Allyl Chloride

Concen: 0.979 ug/l

RT: 2.911 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 23179

Ion Ratio Lower Upper

41 100

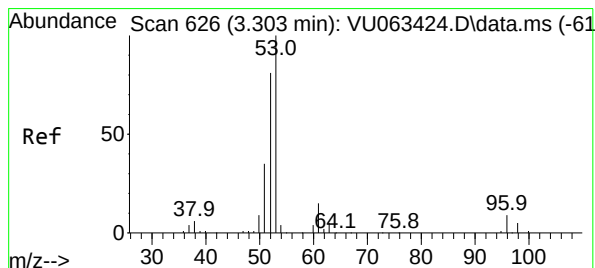
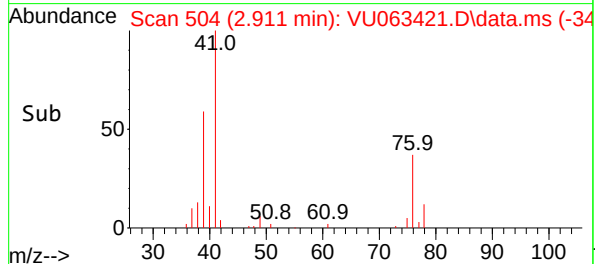
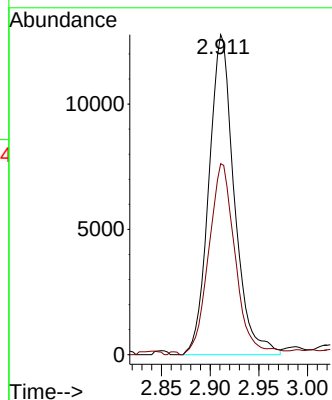
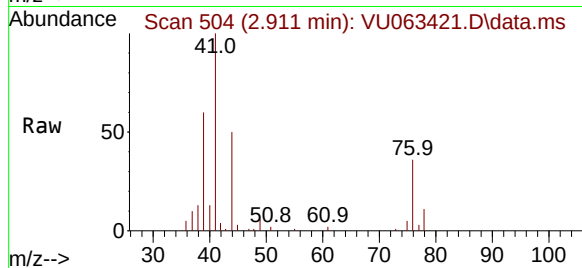
39 62.3 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#12

Acrylonitrile

Concen: 1.810 ug/l m

RT: 3.309 min Scan# 628

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

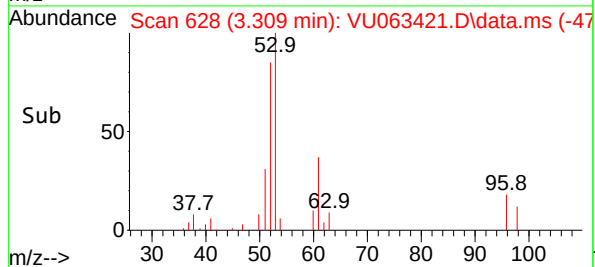
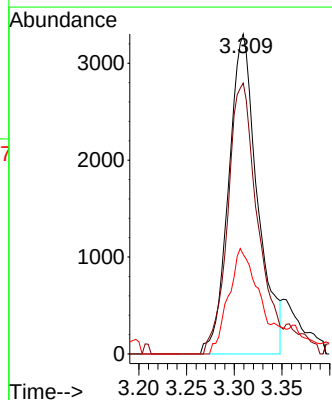
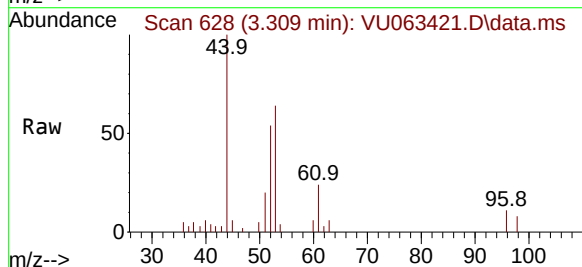
Tgt Ion: 53 Resp: 6950

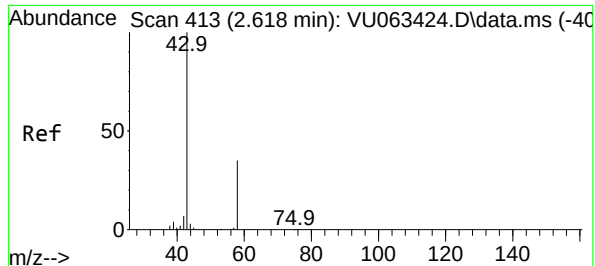
Ion Ratio Lower Upper

53 100

52 87.5 62.8 94.2

51 37.4 26.2 39.4





#13

Acetone

Concen: 3.388 ug/l

RT: 2.621 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 1435

Ion Ratio Lower Upper

43 100

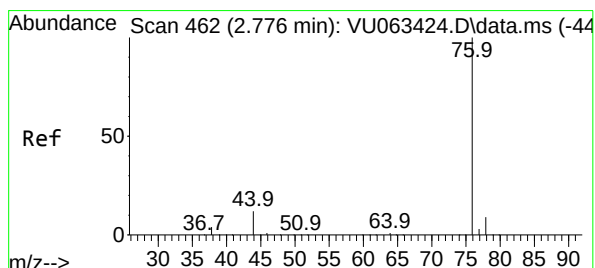
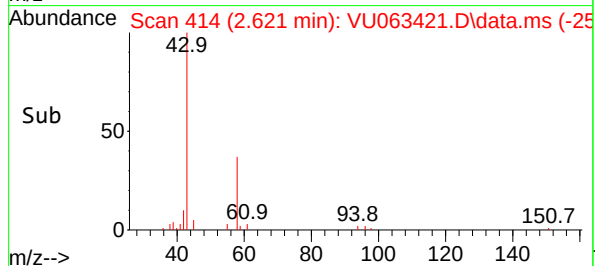
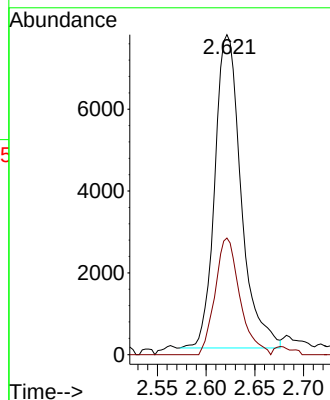
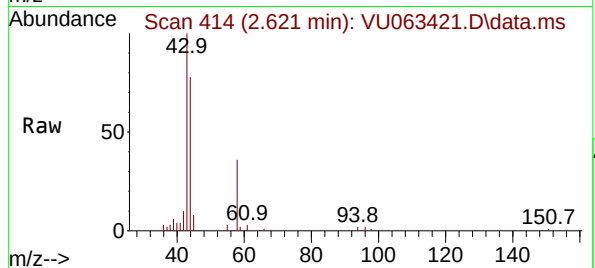
58 37.3 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 0.996 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063421.D

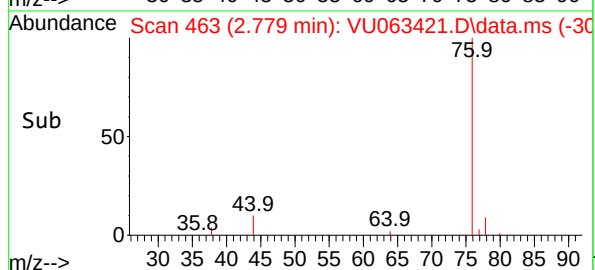
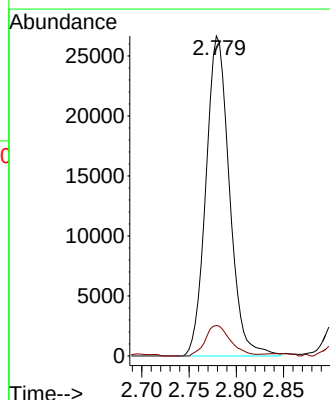
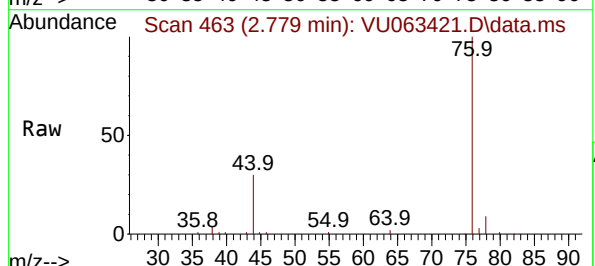
Acq: 23 Jun 2025 10:34

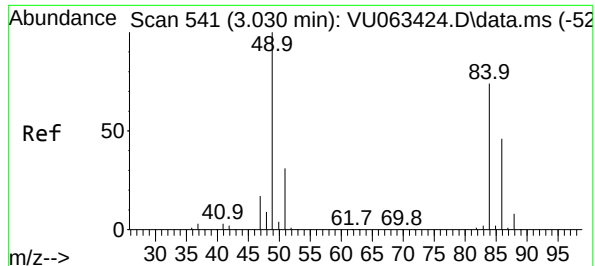
Tgt Ion: 76 Resp: 46154

Ion Ratio Lower Upper

76 100

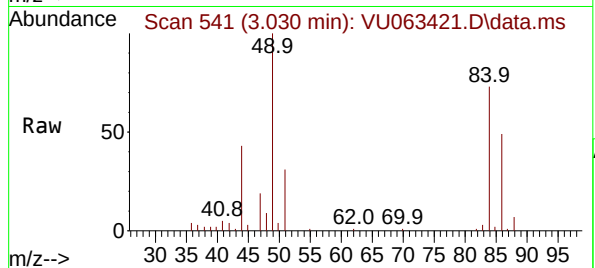
78 9.5 6.9 10.3





#15
Methylene Chloride
Concen: 0.975 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

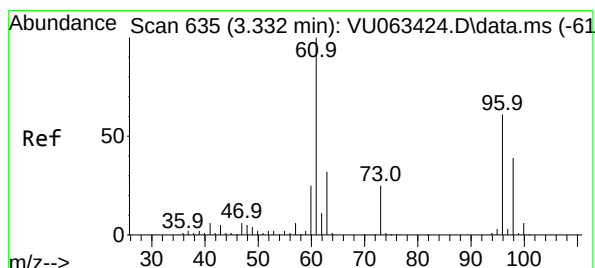
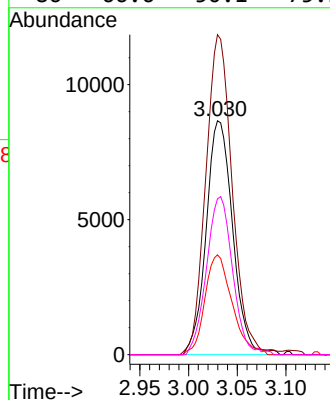
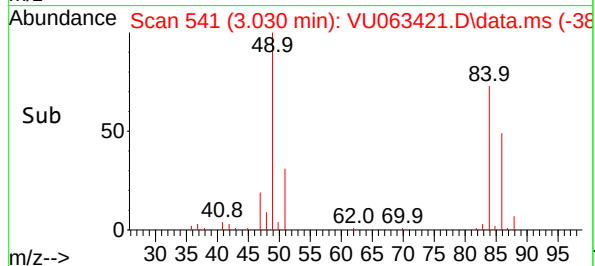
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



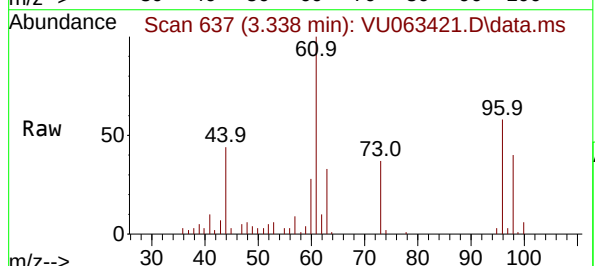
Tgt Ion: 84 Resp: 1643
Ion Ratio Lower Upper
84 100
49 136.8 108.7 163.1
51 42.7 0.0 83.8
86 66.6 50.1 75.1

Manual Integrations
APPROVED

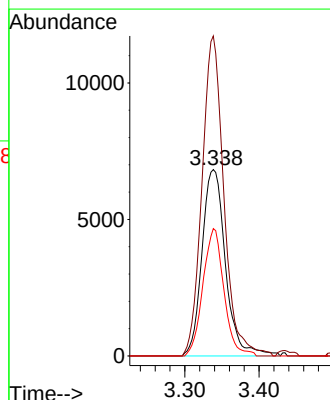
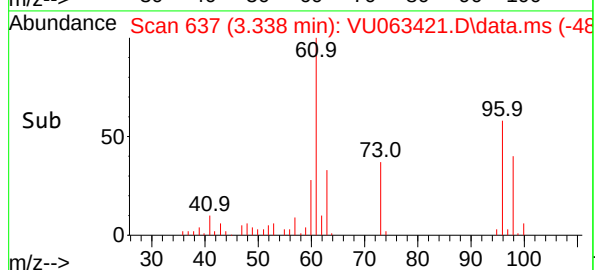
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

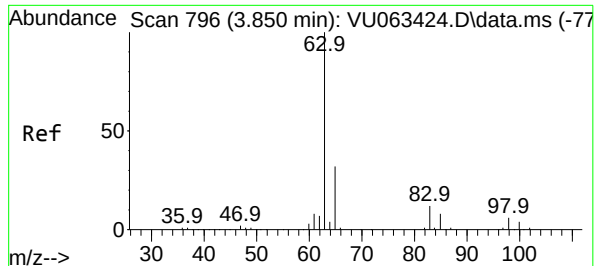


#16
trans-1,2-Dichloroethene
Concen: 1.006 ug/l
RT: 3.338 min Scan# 637
Delta R.T. 0.006 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34



Tgt Ion: 96 Resp: 15049
Ion Ratio Lower Upper
96 100
61 171.7 132.1 198.1
98 68.3 51.0 76.4





#17

1,1-Dichloroethane

Concen: 0.966 ug/l

RT: 3.850 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

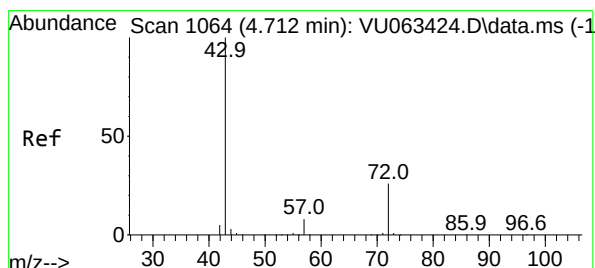
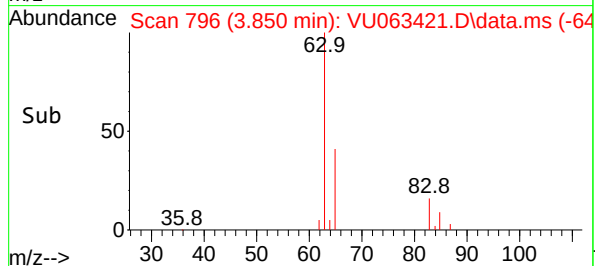
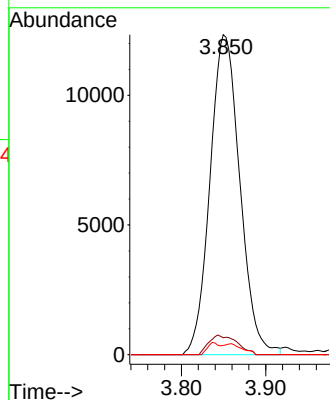
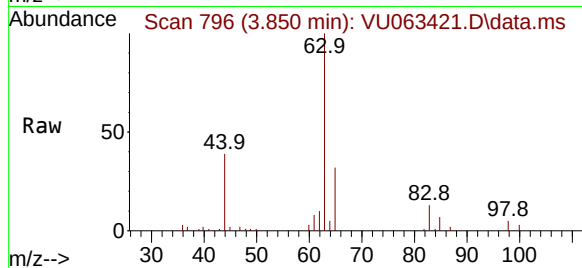
ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	30350
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.8	8.4
100	2.9	1.9	5.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 3.890 ug/l

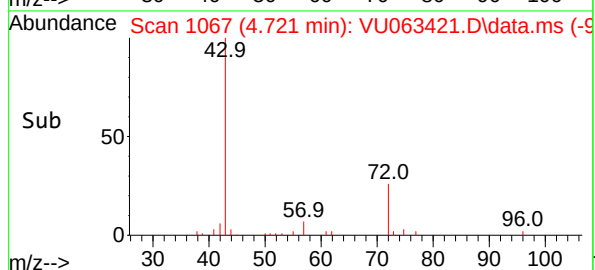
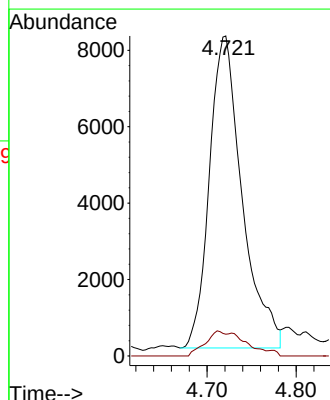
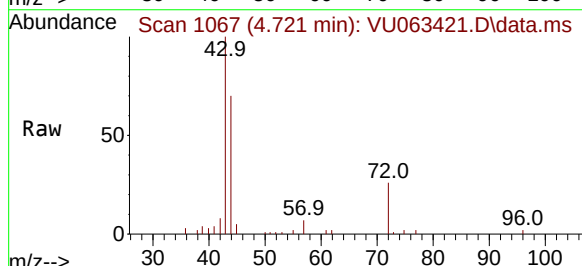
RT: 4.721 min Scan# 1067

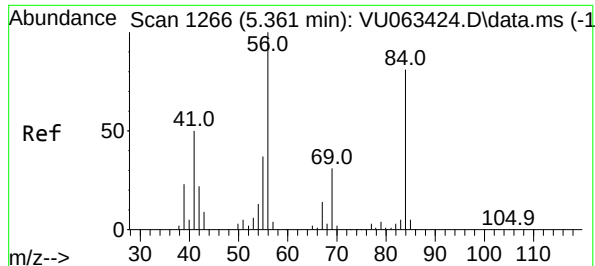
Delta R.T. 0.009 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:	43	Resp:	20847
Ion	Ratio	Lower	Upper
43	100		
57	7.0	0.0	16.0





#19

Cyclohexane

Concen: 0.898 ug/l

RT: 5.364 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 56 Resp: 2133

Ion Ratio Lower Upper

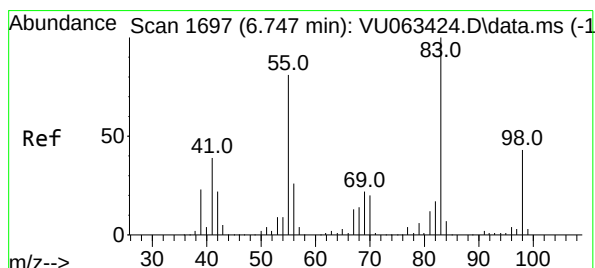
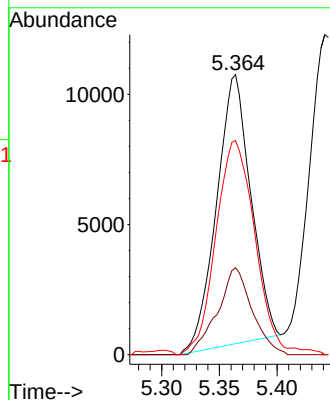
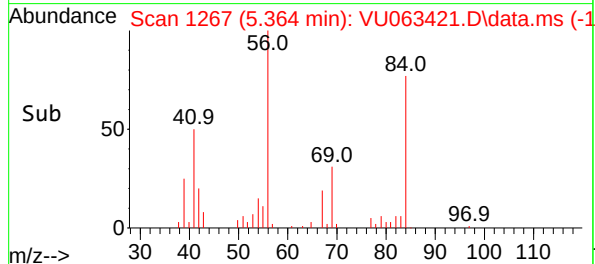
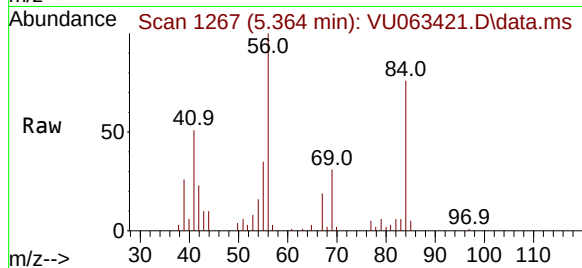
56 100

69 32.5 26.4 39.6

84 91.3 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#20

Methylcyclohexane

Concen: 0.860 ug/l m

RT: 6.747 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

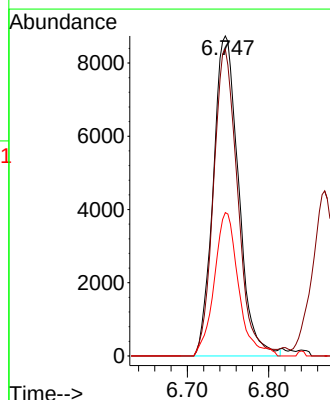
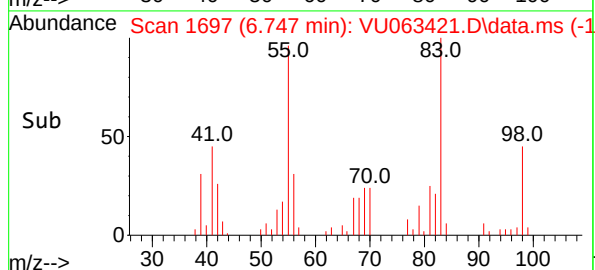
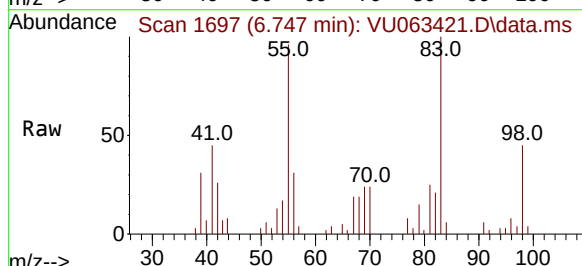
Tgt Ion: 83 Resp: 18882

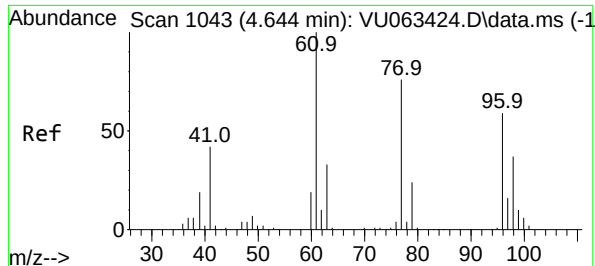
Ion Ratio Lower Upper

83 100

55 88.4 63.5 95.3

98 43.0 34.2 51.4





#21

2,2-Dichloropropane

Concen: 0.984 ug/l

RT: 4.647 min Scan# 1043

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 21970

Ion Ratio Lower Upper

77 100

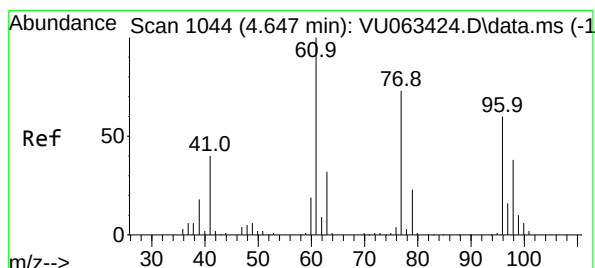
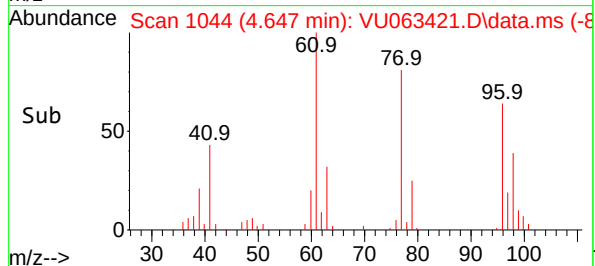
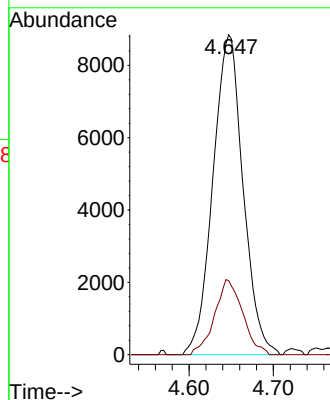
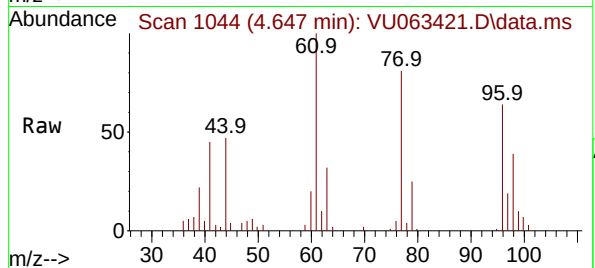
97 21.8 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#22

cis-1,2-Dichloroethene

Concen: 0.992 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

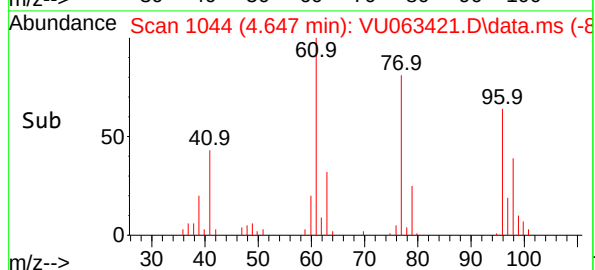
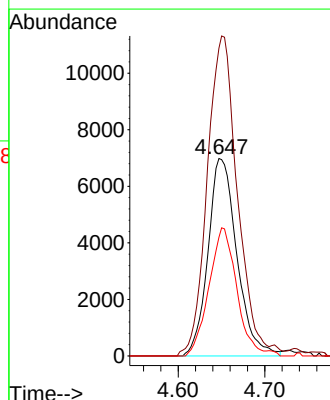
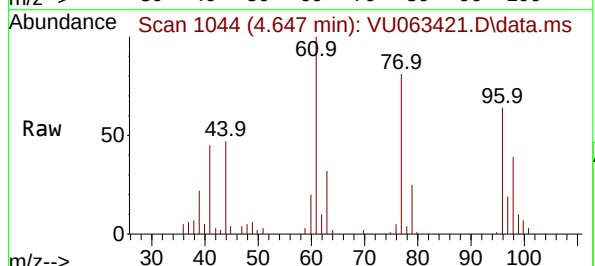
Tgt Ion: 96 Resp: 16188

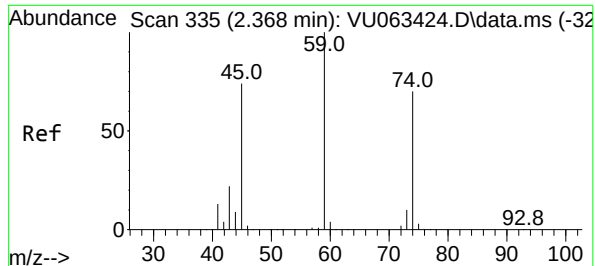
Ion Ratio Lower Upper

96 100

61 167.9 0.0 434.3

98 62.0 31.9 95.7





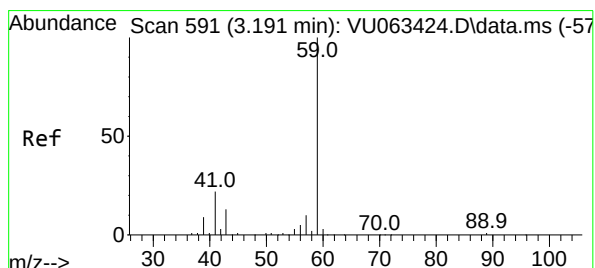
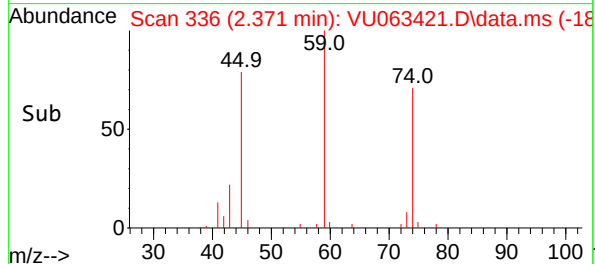
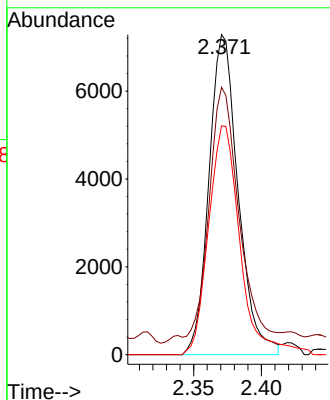
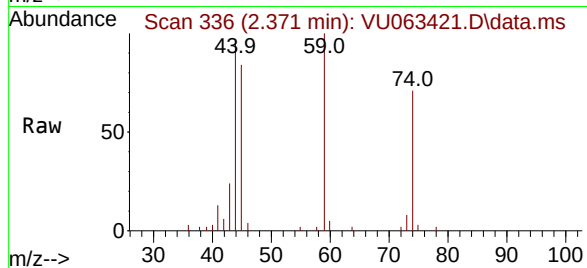
#23
Diethyl Ether
Concen: 0.911 ug/l
RT: 2.371 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1092
Ion Ratio Lower Upper
59 100
45 83.5 60.7 91.1
74 77.2 55.8 83.6

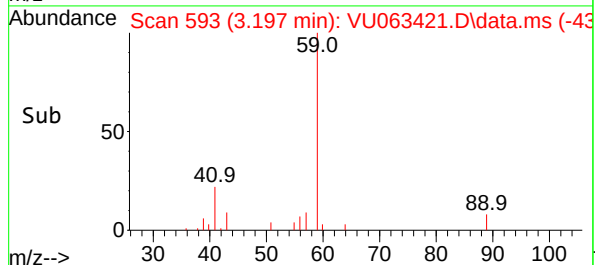
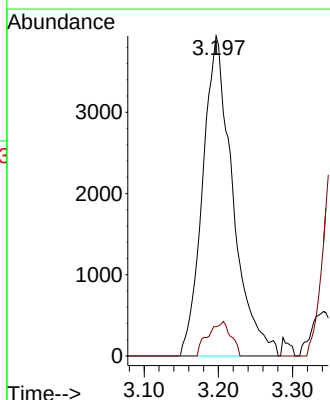
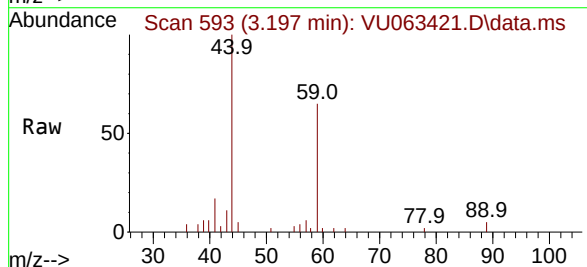
Manual Integrations
APPROVED

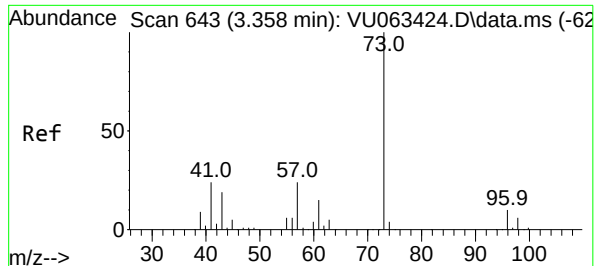
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#24
tert-Butyl Alcohol
Concen: 8.777 ug/l
RT: 3.197 min Scan# 593
Delta R.T. 0.006 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 59 Resp: 11089
Ion Ratio Lower Upper
59 100
57 8.2 7.8 11.8





#25

Methyl tert-Butyl Ether

Concen: 0.961 ug/l

RT: 3.364 min Scan# 64

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 73 Resp: 3474

Ion Ratio Lower Upper

73 100

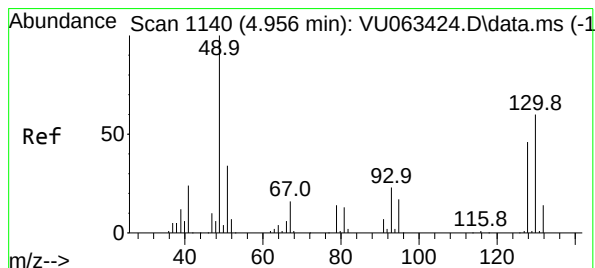
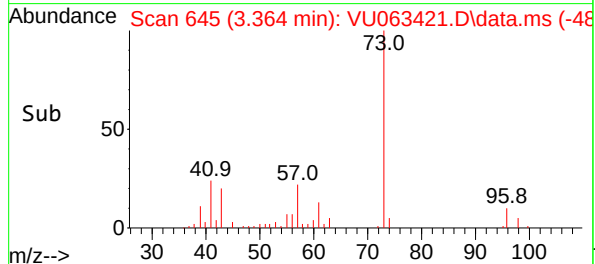
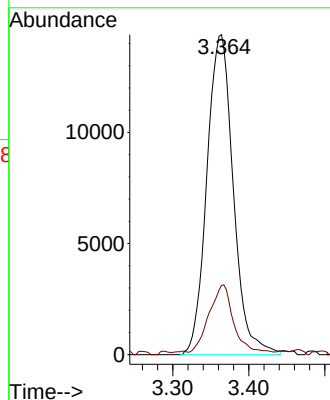
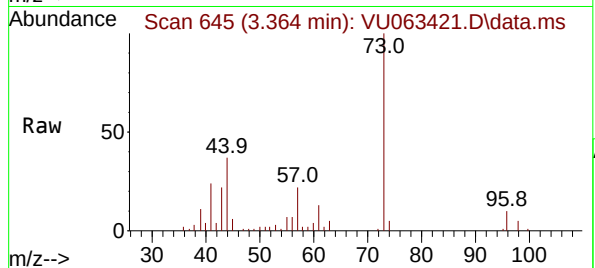
43 18.9 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#26

Bromochloromethane

Concen: 0.976 ug/l

RT: 4.962 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

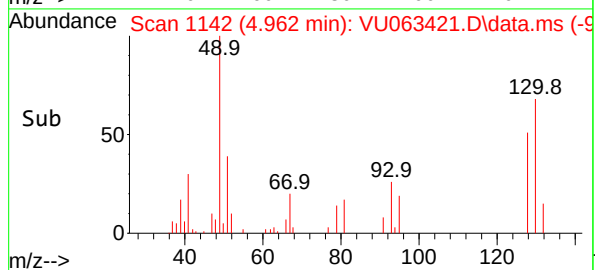
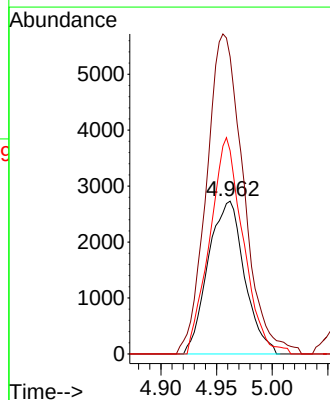
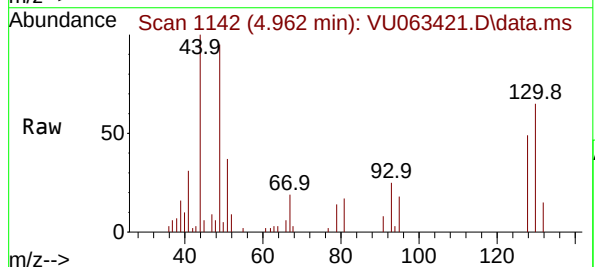
Tgt Ion:128 Resp: 6202

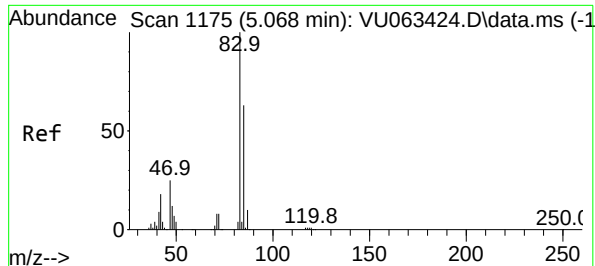
Ion Ratio Lower Upper

128 100

49 212.7 0.0 441.2

130 130.1 102.3 153.5





#27

Chloroform

Concen: 0.995 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 2929

Ion Ratio Lower Upper

83 100

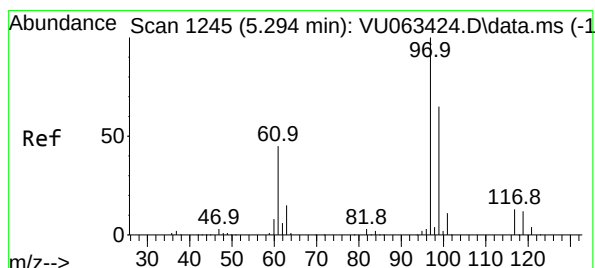
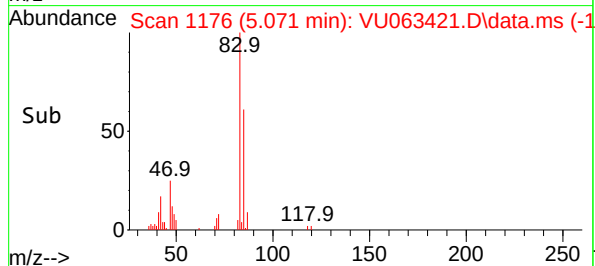
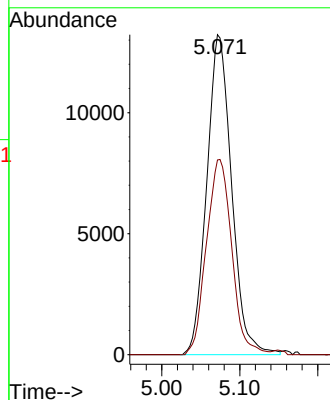
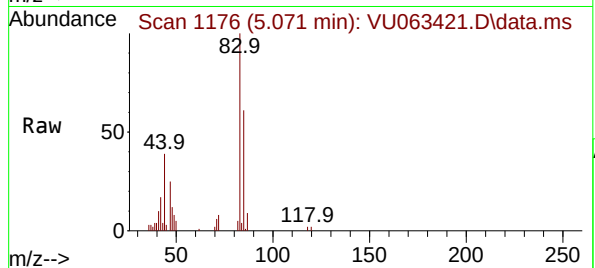
85 60.9 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 0.999 ug/l

RT: 5.300 min Scan# 1247

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

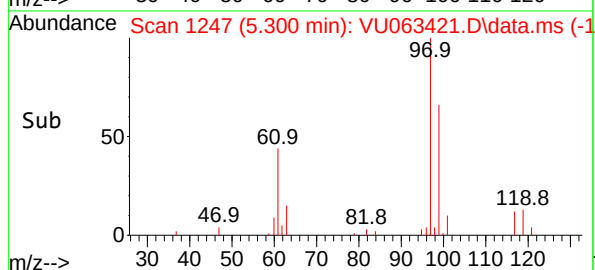
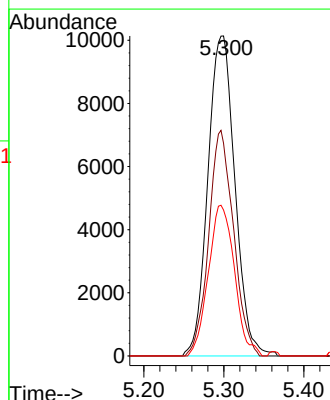
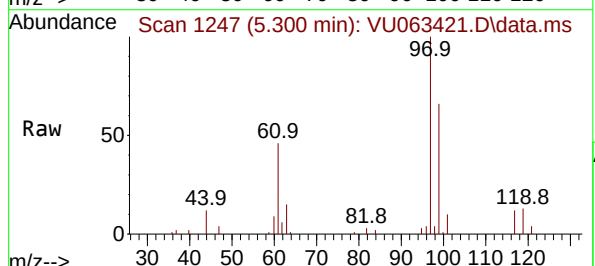
Tgt Ion: 97 Resp: 23844

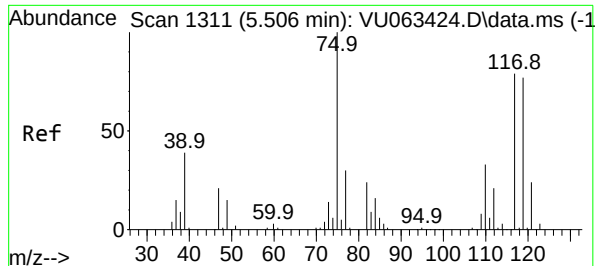
Ion Ratio Lower Upper

97 100

99 64.8 31.9 95.5

61 45.5 22.9 68.7





#29

1,1-Dichloropropene

Concen: 0.935 ug/l

RT: 5.512 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

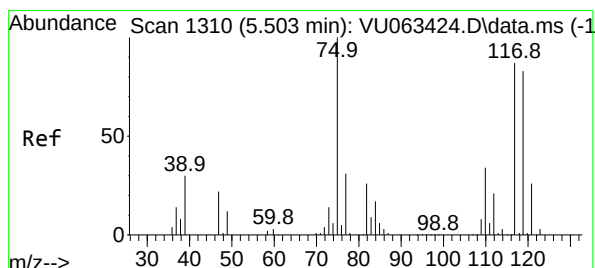
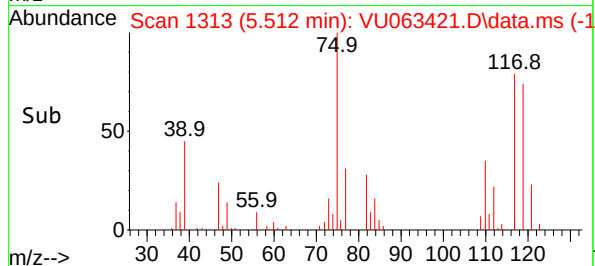
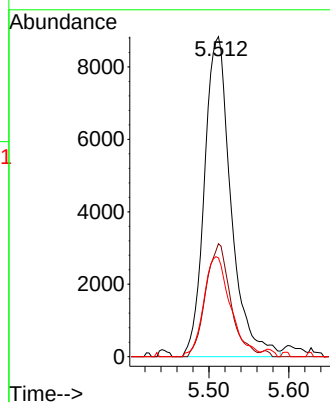
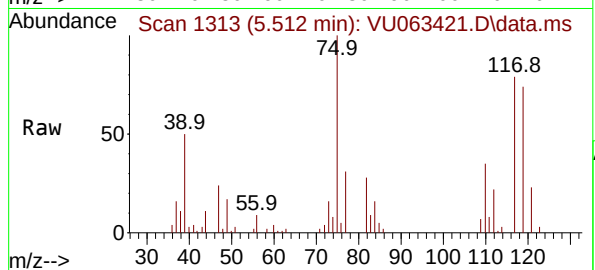
VSTDIC001

Tgt Ion:	75	Resp:	20379
Ion Ratio	Lower	Upper	
75	100		
110	33.1	17.4	52.2
77	31.5	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 0.974 ug/l

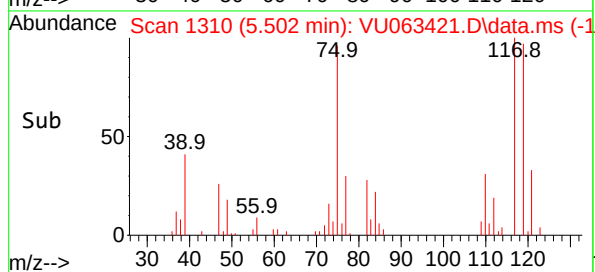
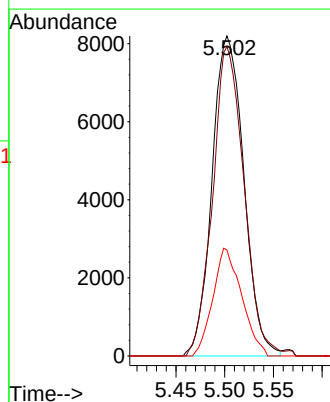
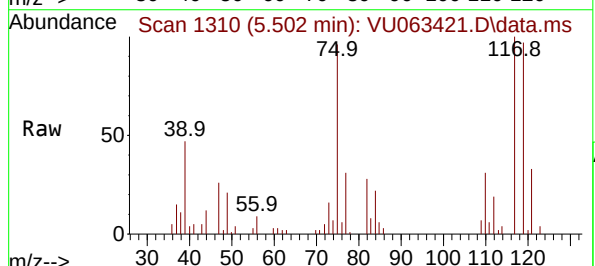
RT: 5.502 min Scan# 1310

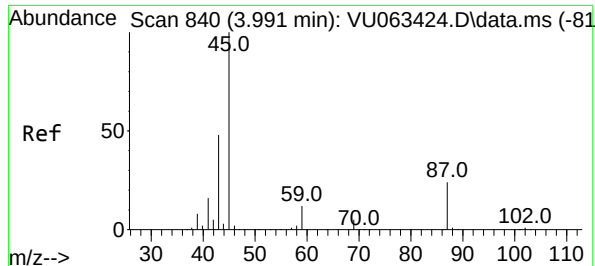
Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:	117	Resp:	18574
Ion Ratio	Lower	Upper	
117	100		
119	96.7	76.7	115.1
121	33.1	24.3	36.5





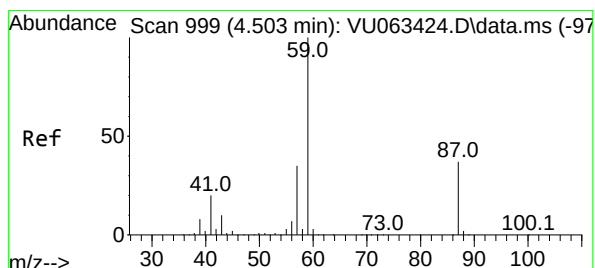
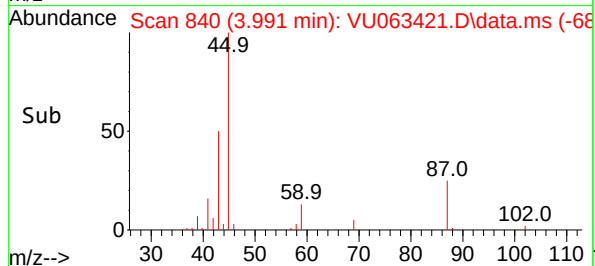
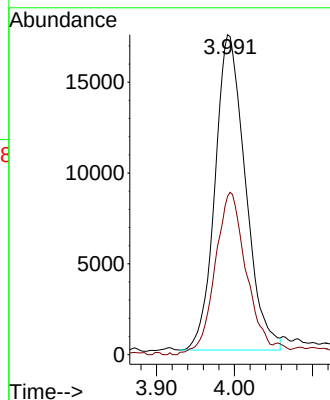
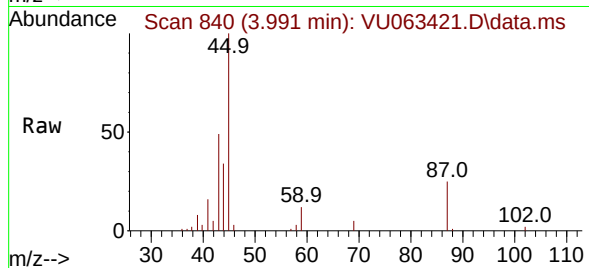
#31
Isopropyl Ether
Concen: 0.951 ug/l
RT: 3.991 min Scan# 840
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 4693
Ion Ratio Lower Upper
45 100
43 52.9 23.8 71.5

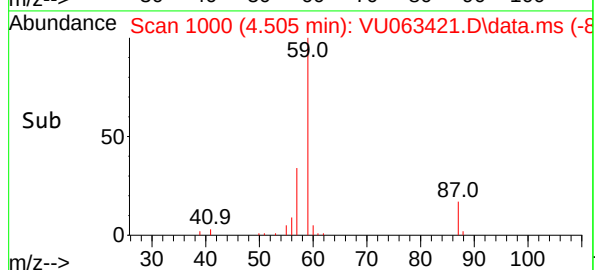
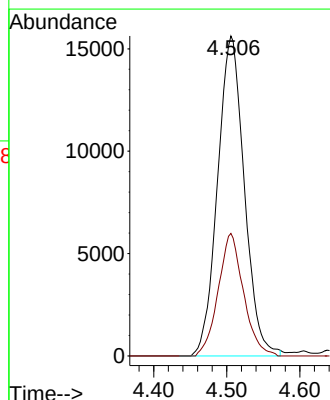
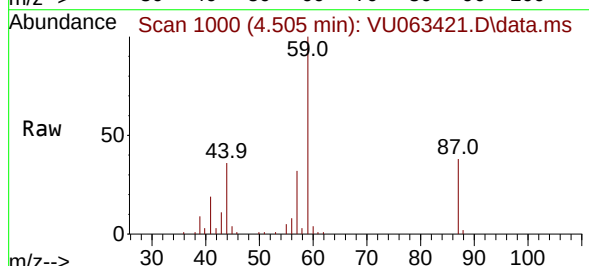
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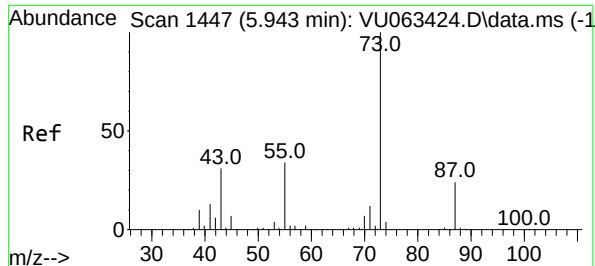
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 0.954 ug/l m
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 59 Resp: 39664
Ion Ratio Lower Upper
59 100
87 36.3 29.9 44.9





#33

Tert-Amyl methyl ether

Concen: 0.883 ug/l m

RT: 5.943 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 2623

Ion Ratio Lower Upper

73 100

87 22.0 18.1 27.1

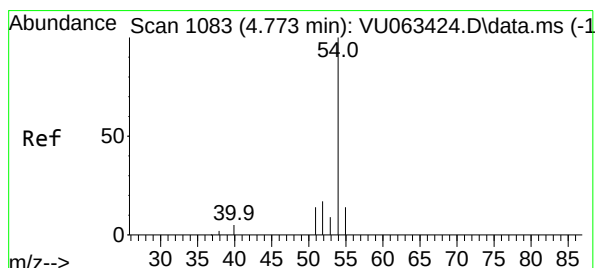
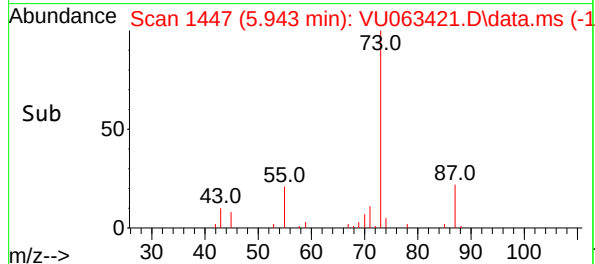
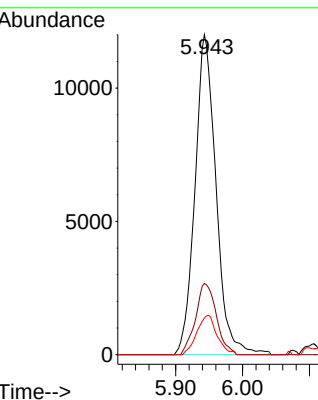
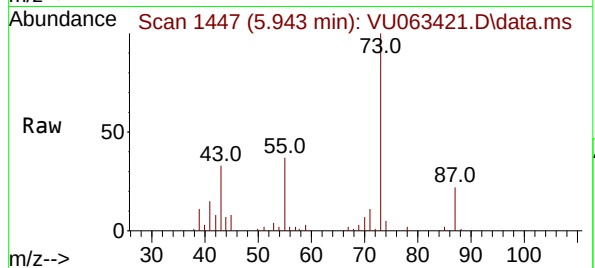
71 11.7 10.0 15.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#34

Propionitrile

Concen: 4.643 ug/l

RT: 4.776 min Scan# 1084

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion: 54 Resp: 7198

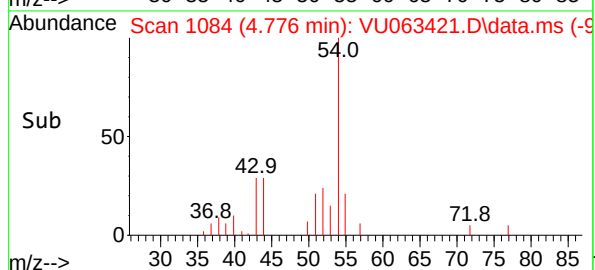
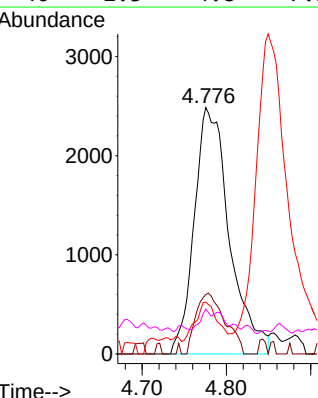
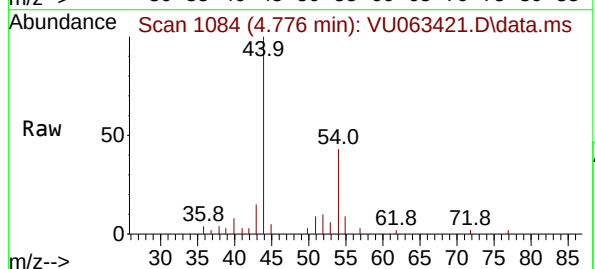
Ion Ratio Lower Upper

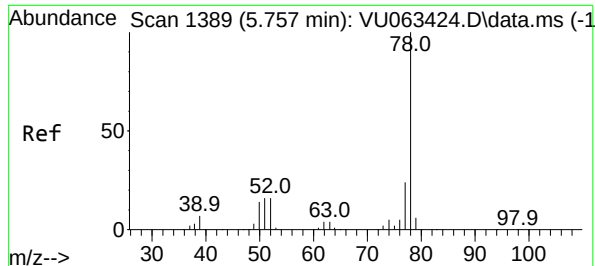
54 100

52 20.3 14.8 22.2

55 9.9 12.2 18.2#

40 2.3 4.8 7.2#





#35

Benzene

Concen: 0.953 ug/l

RT: 5.763 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 78 Resp: 6284

Ion Ratio Lower Upper

78 100

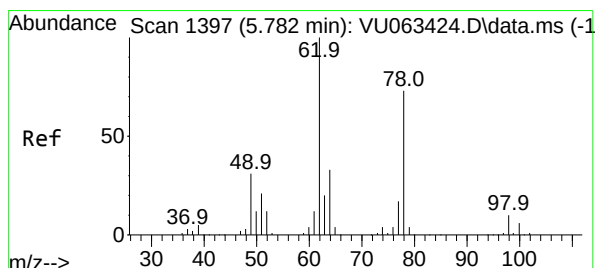
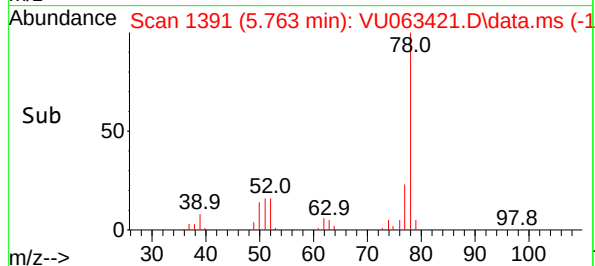
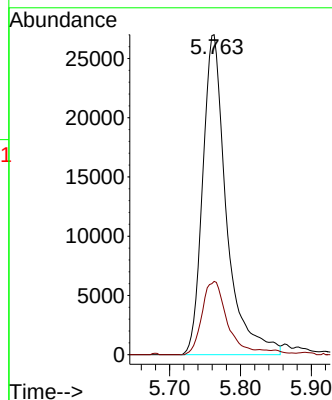
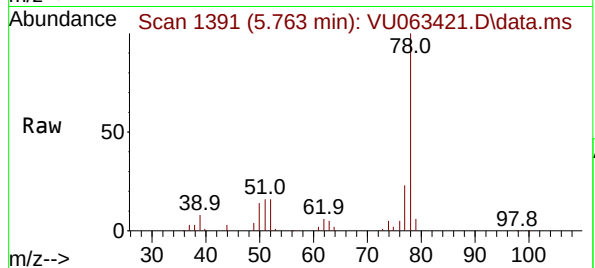
77 22.9 19.4 29.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#36

1,2-Dichloroethane

Concen: 0.964 ug/l

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU063421.D

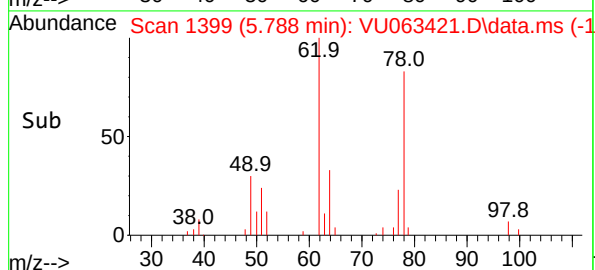
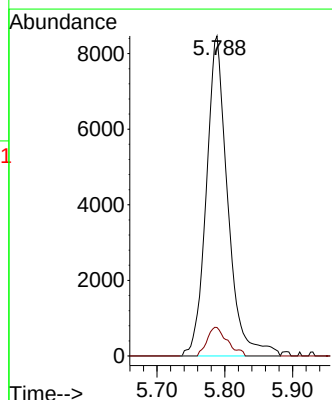
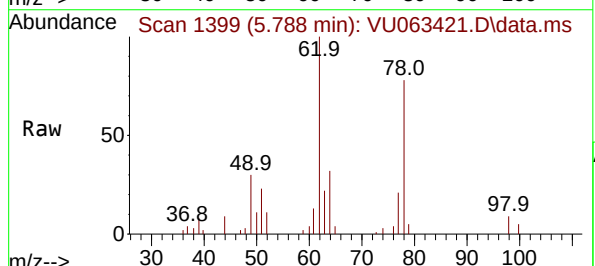
Acq: 23 Jun 2025 10:34

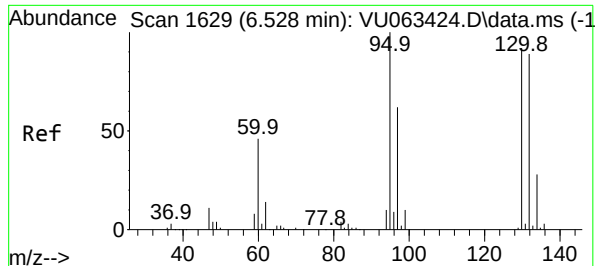
Tgt Ion: 62 Resp: 18585

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7





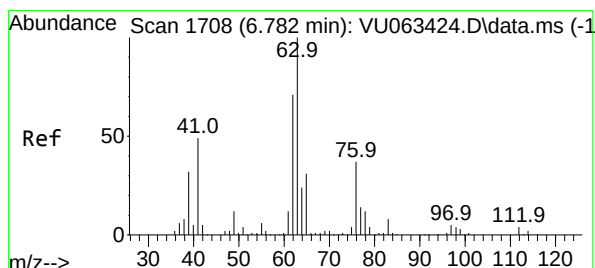
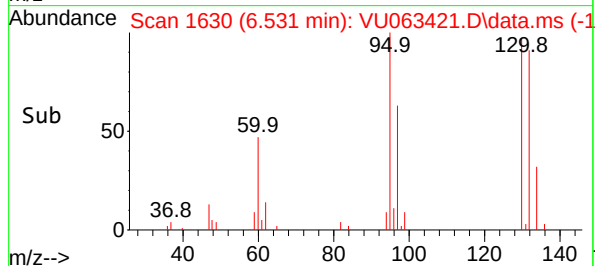
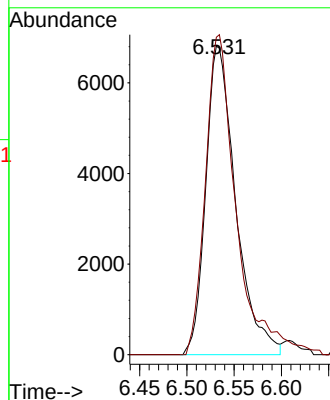
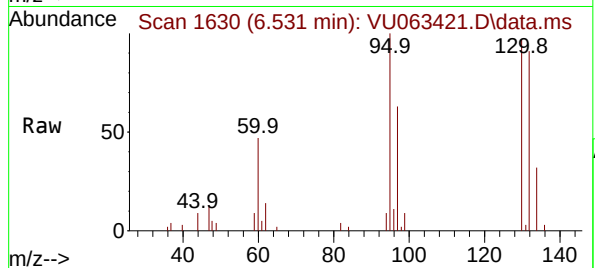
#37
Trichloroethene
Concen: 0.964 ug/l
RT: 6.531 min Scan# 1630
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:130 Resp: 15019
Ion Ratio Lower Upper
130 100
95 102.9 87.2 130.8

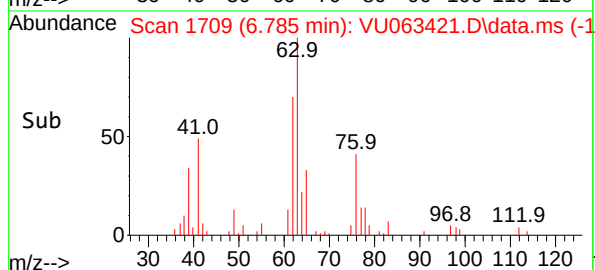
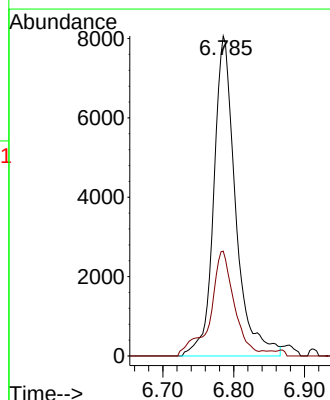
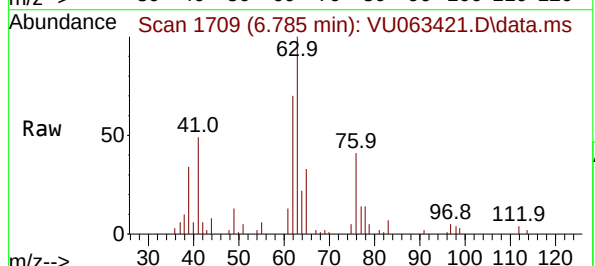
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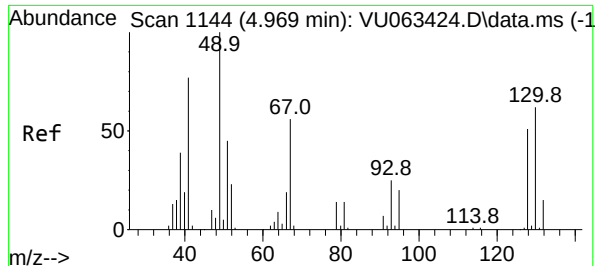
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#38
1,2-Dichloropropane
Concen: 0.946 ug/l
RT: 6.785 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 63 Resp: 17241
Ion Ratio Lower Upper
63 100
65 31.2 25.0 37.6





#39

Methacrylonitrile

Concen: 0.923 ug/l

RT: 4.975 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 5952

Ion Ratio Lower Upper

41 100

67 76.4 59.8 89.8

39 56.7 40.7 61.1

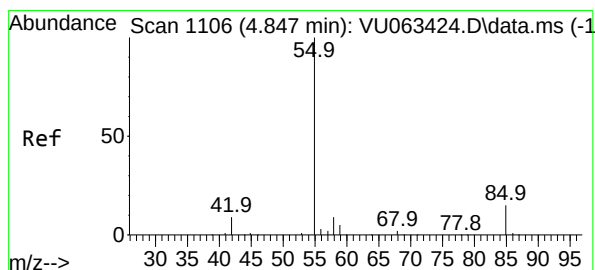
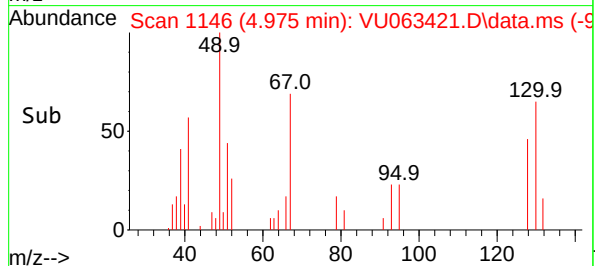
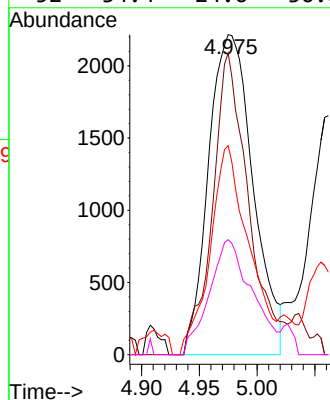
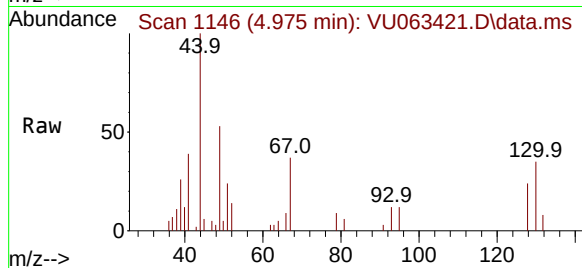
52 34.4 24.6 36.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 0.830 ug/l

RT: 4.850 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion: 55 Resp: 7532

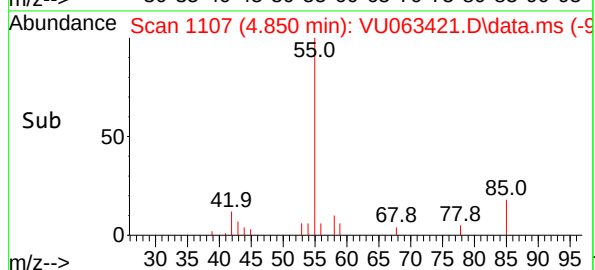
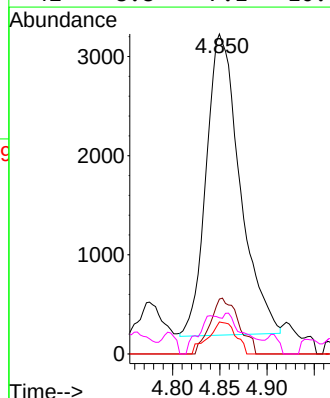
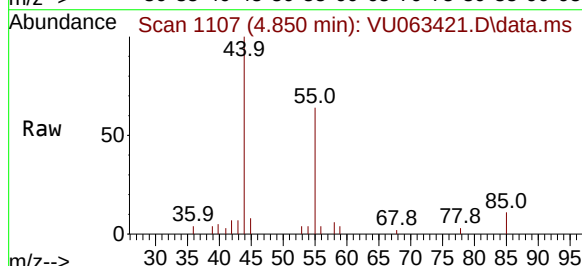
Ion Ratio Lower Upper

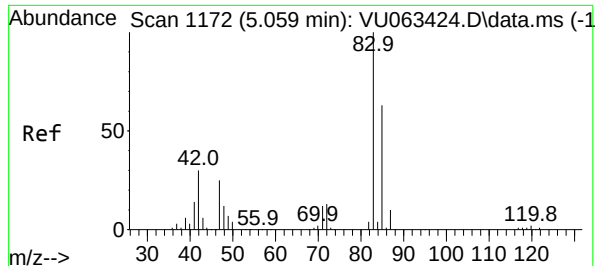
55 100

85 15.8 12.6 19.0

58 8.7 6.9 10.3

42 8.8 7.1 10.7





#41

Tetrahydrofuran

Concen: 1.870 ug/l

RT: 5.065 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

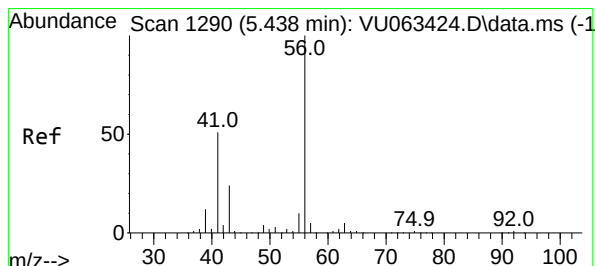
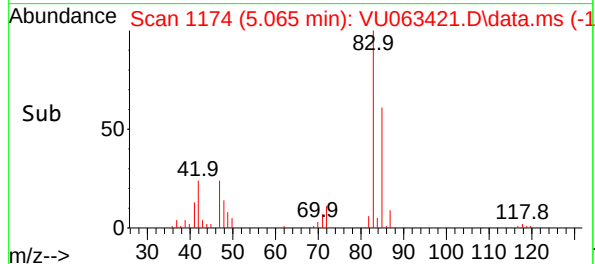
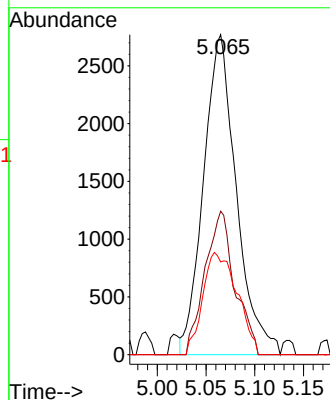
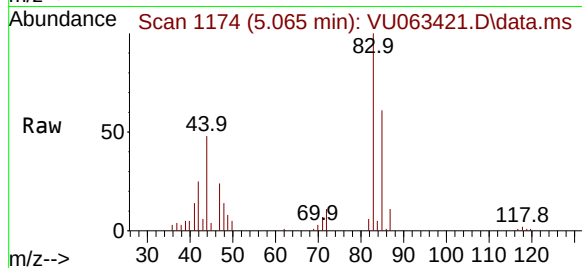
VSTDIC001

Tgt Ion:	42	Resp:	6490
Ion	Ratio	Lower	Upper
42	100		
72	40.8	35.4	53.2
71	33.4	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 0.938 ug/l m

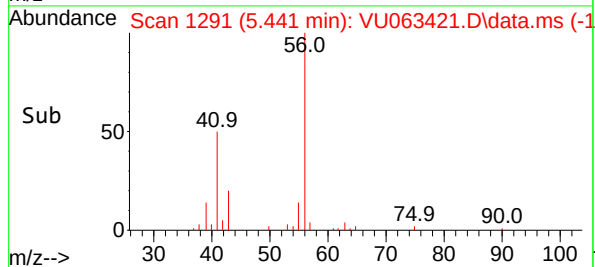
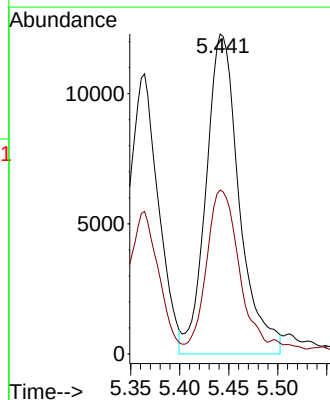
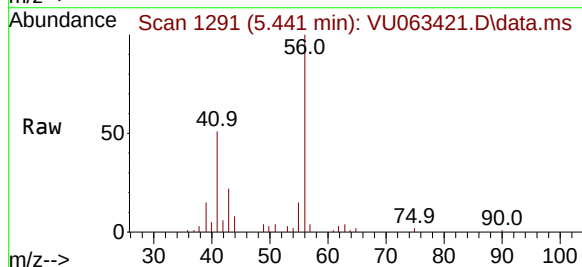
RT: 5.441 min Scan# 1291

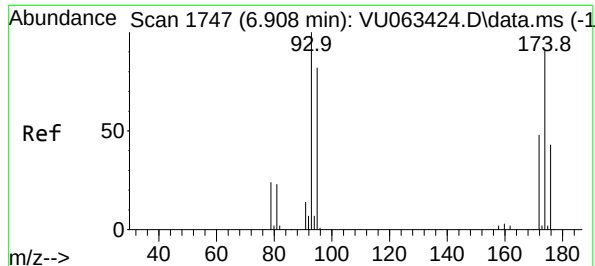
Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

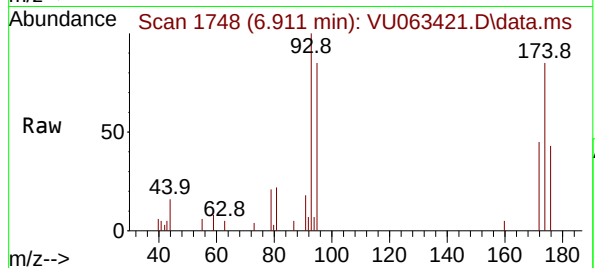
Tgt Ion:	56	Resp:	29010
Ion	Ratio	Lower	Upper
56	100		
41	45.5	26.4	79.0





#43
Dibromomethane
Concen: 0.917 ug/l
RT: 6.911 min Scan# 1748
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

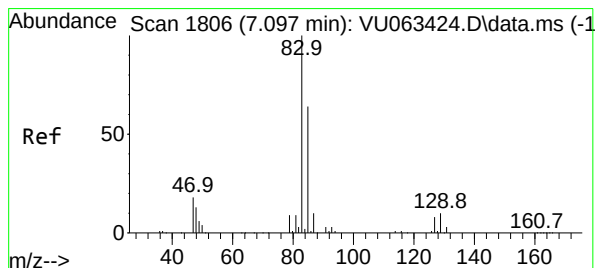
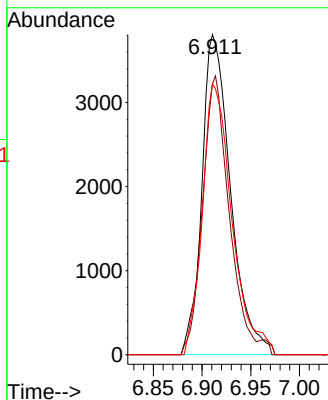
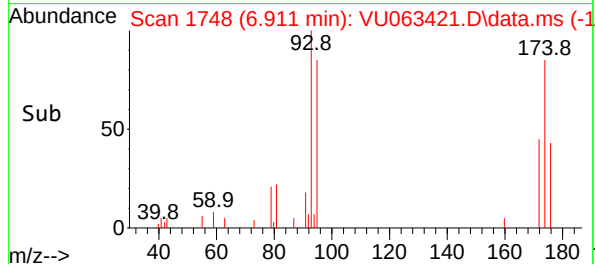
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 93 Resp: 7800
Ion Ratio Lower Upper
93 100
95 80.4 66.7 100.1
174 87.3 71.1 106.7

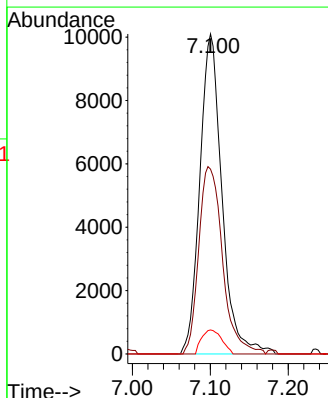
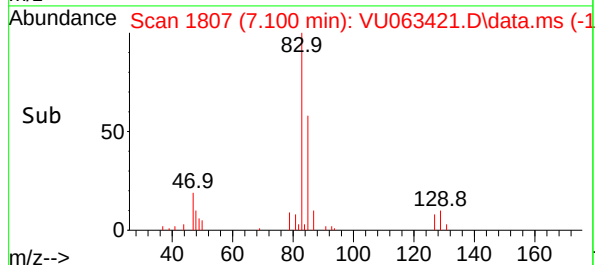
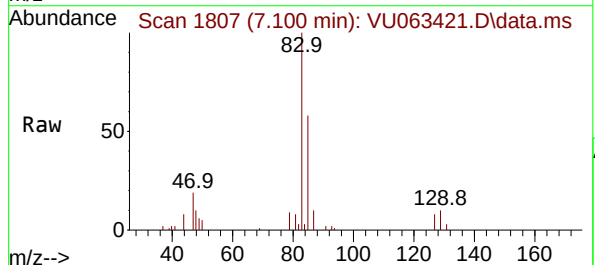
Manual Integrations
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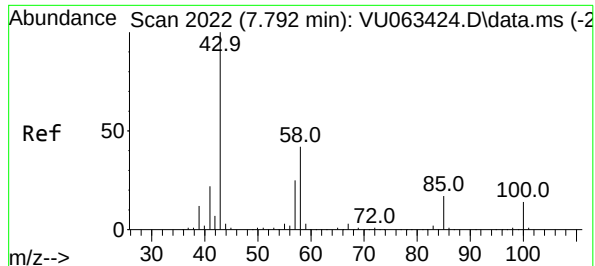
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#44
Bromodichloromethane
Concen: 0.962 ug/l
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 83 Resp: 19937
Ion Ratio Lower Upper
83 100
85 57.8 51.4 77.2
127 7.5 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 4.081 ug/l

RT: 7.798 min Scan# 2022

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 3728

Ion Ratio Lower Upper

43 100

58 35.5 20.5 61.6

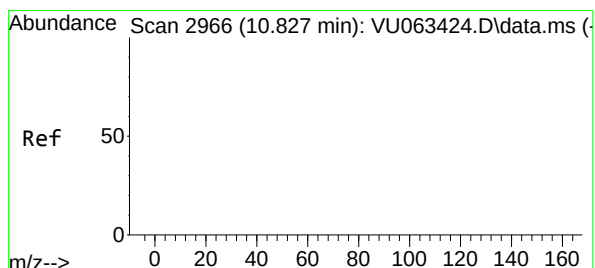
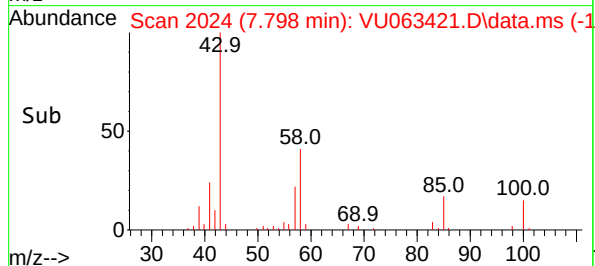
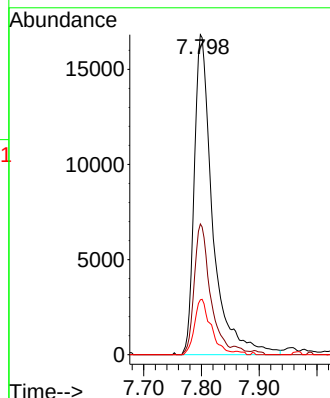
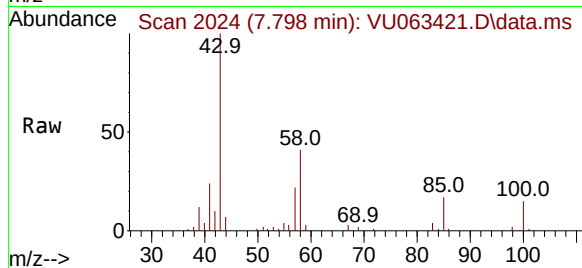
85 15.5 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 1.995 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion: 75 Resp: 5819

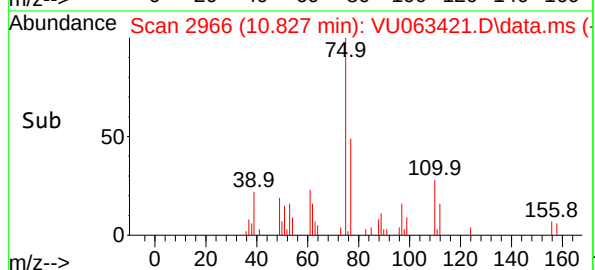
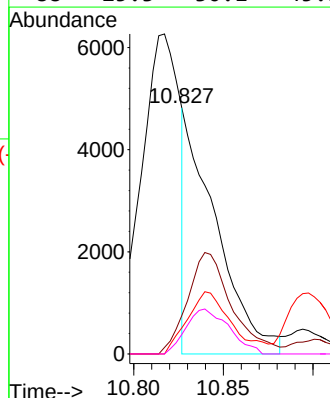
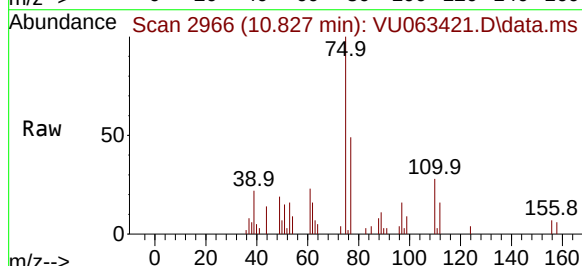
Ion Ratio Lower Upper

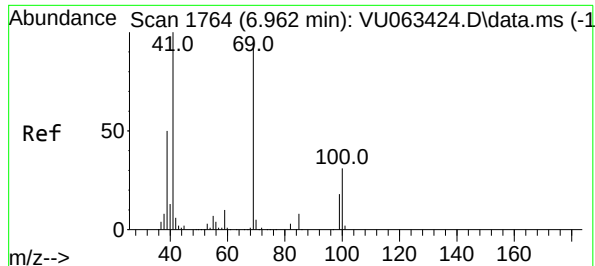
75 100

53 58.5 61.4 92.2#

89 35.9 39.2 58.8#

88 25.3 30.1 45.1#





#47

Methyl methacrylate

Concen: 2.101 ug/l

RT: 6.972 min Scan# 1767

Delta R.T. 0.010 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 1008

Ion Ratio Lower Upper

69 100

41 101.2 0.0 212.6

39 54.7 40.6 61.0

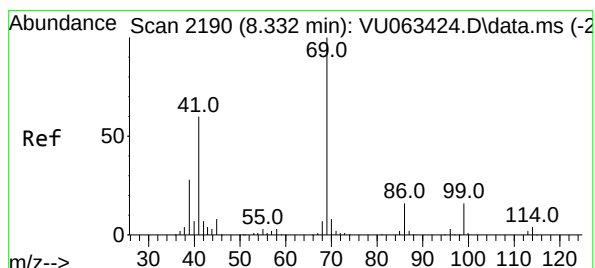
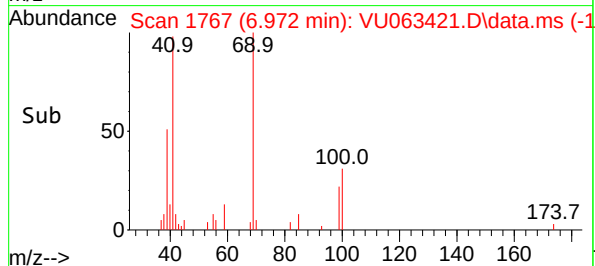
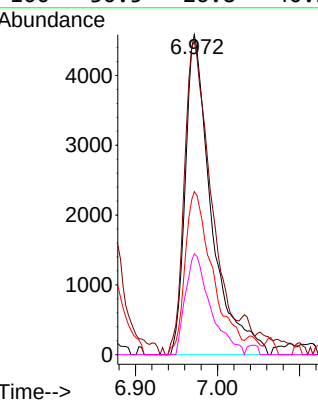
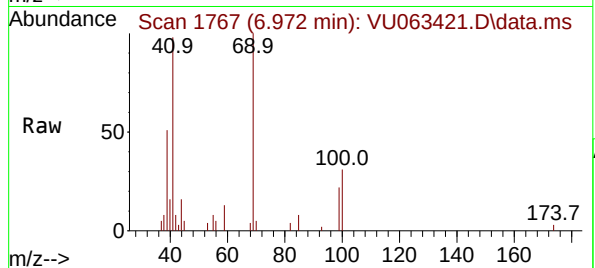
100 30.5 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 0.973 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.006 min

Lab File: VU063421.D

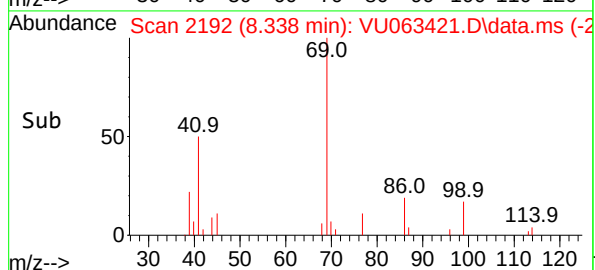
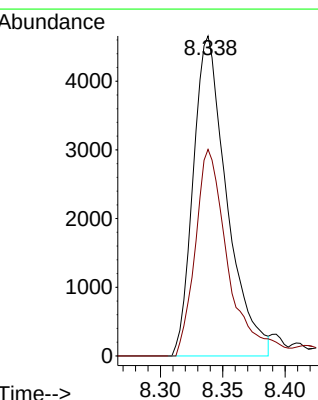
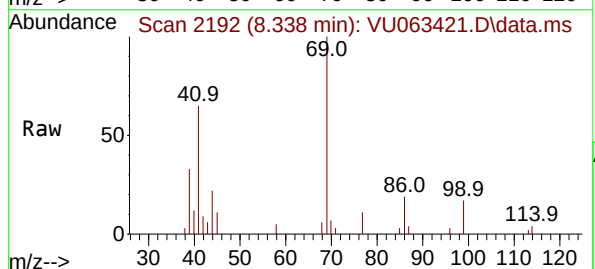
Acq: 23 Jun 2025 10:34

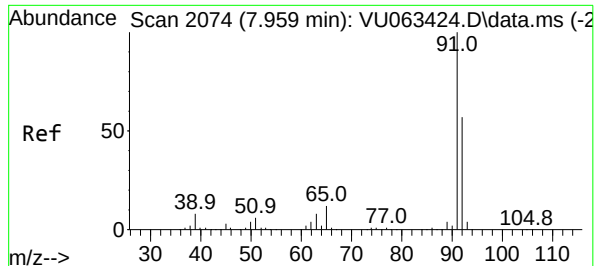
Tgt Ion: 69 Resp: 8728

Ion Ratio Lower Upper

69 100

41 63.1 30.6 92.0





#49

Toluene

Concen: 0.853 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 3090

Ion Ratio Lower Upper

92 100

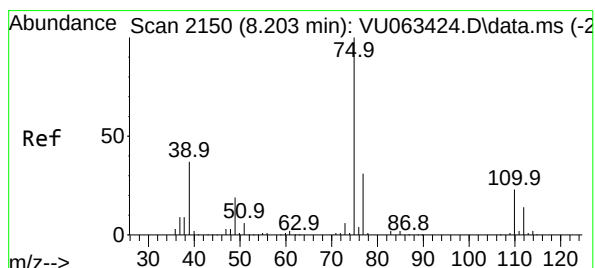
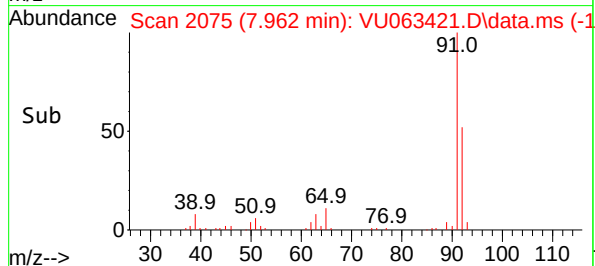
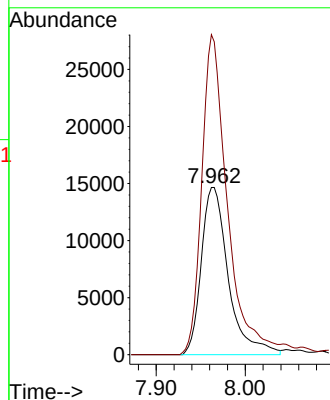
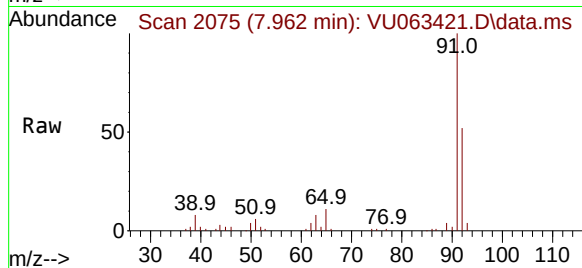
91 183.2 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 0.846 ug/l

RT: 8.210 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU063421.D

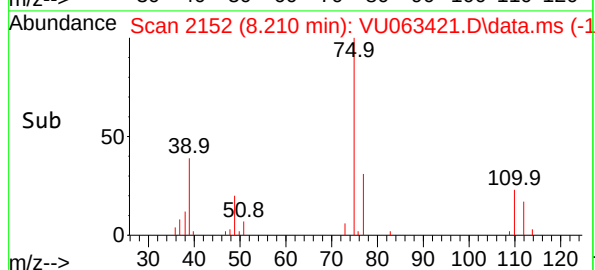
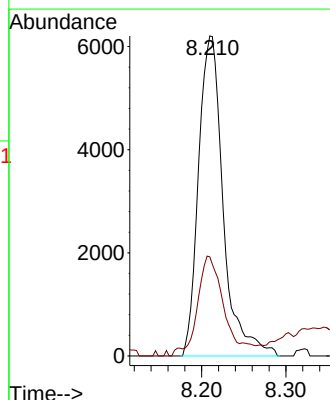
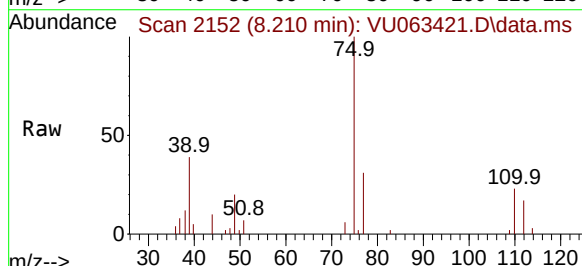
Acq: 23 Jun 2025 10:34

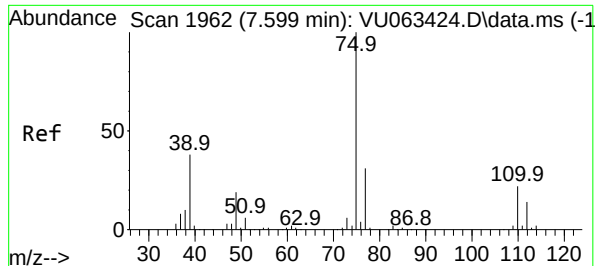
Tgt Ion: 75 Resp: 12646

Ion Ratio Lower Upper

75 100

77 28.6 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 0.865 ug/l

RT: 7.605 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 1737

Ion Ratio Lower Upper

75 100

77 35.8 24.8 37.2

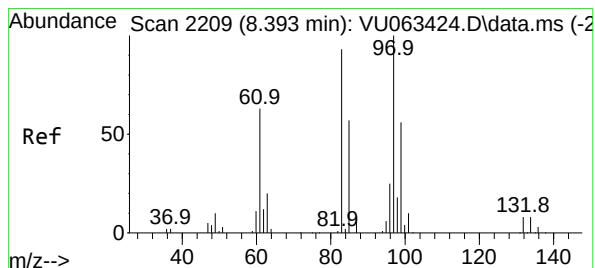
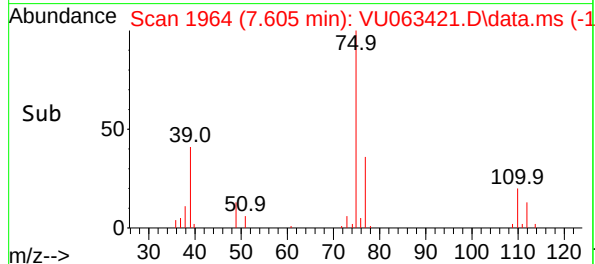
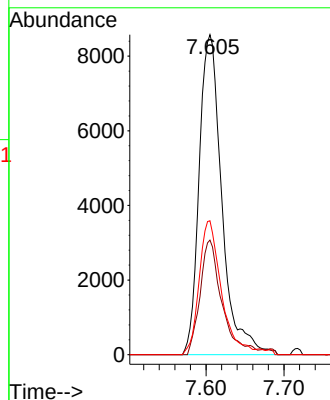
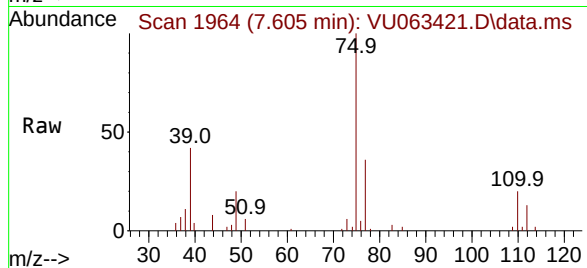
39 41.8 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 0.943 ug/l

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion: 97 Resp: 11731

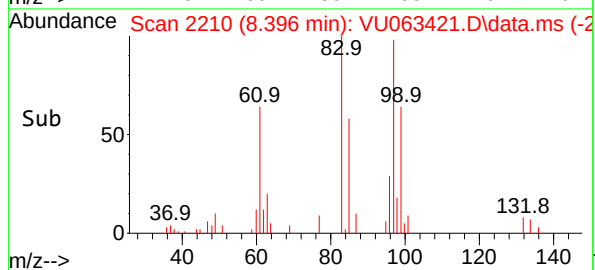
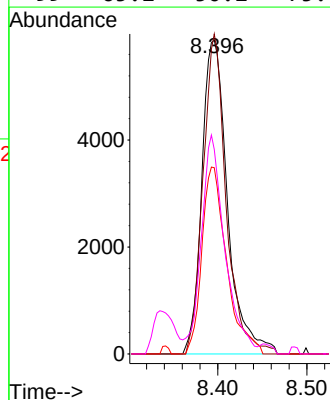
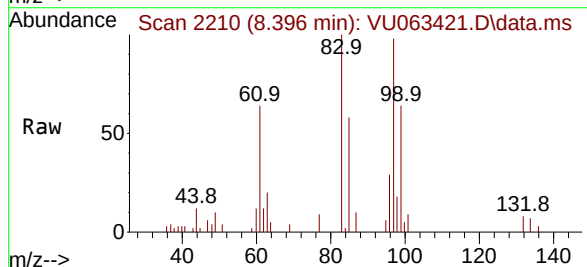
Ion Ratio Lower Upper

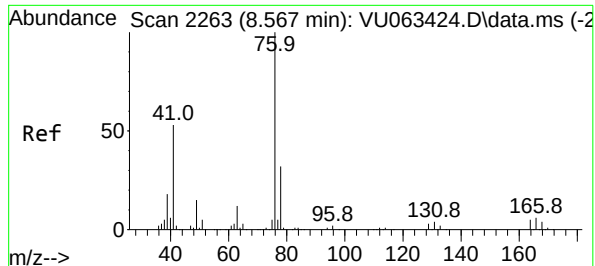
97 100

83 102.0 74.1 111.1

85 59.4 45.8 68.8

99 65.2 50.2 75.4





#53

1,3-Dichloropropane

Concen: 0.903 ug/l

RT: 8.573 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 1932

Ion Ratio Lower Upper

76 100

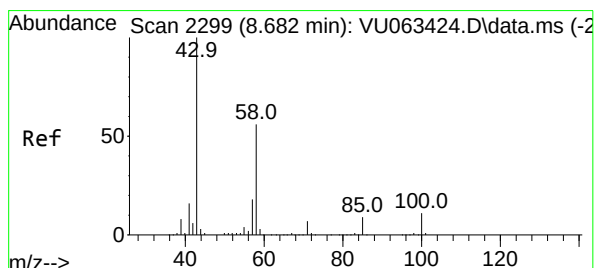
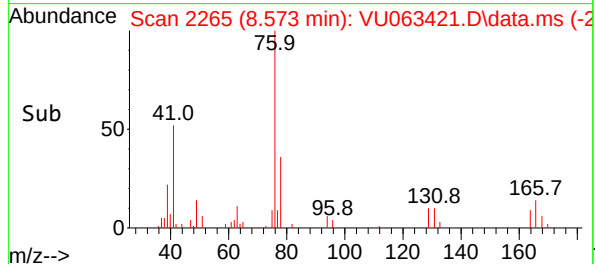
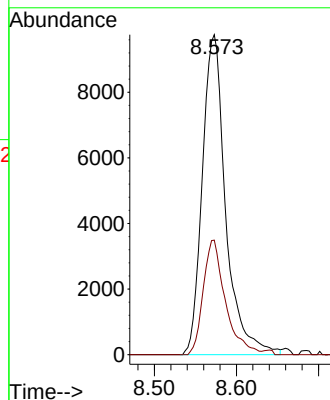
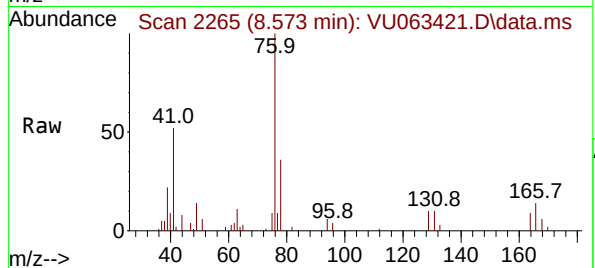
78 34.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 4.397 ug/l

RT: 8.698 min Scan# 2304

Delta R.T. 0.016 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

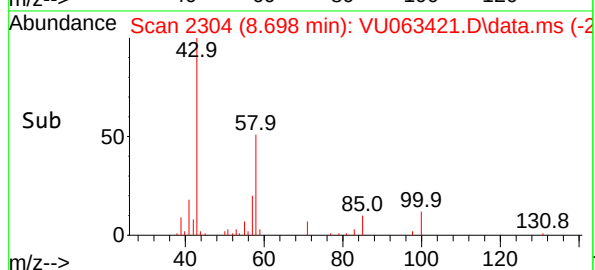
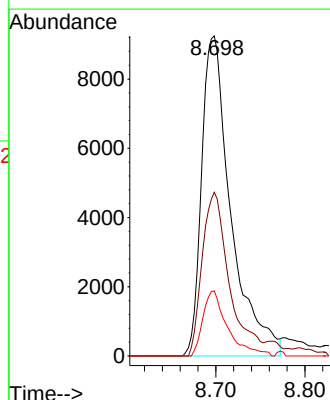
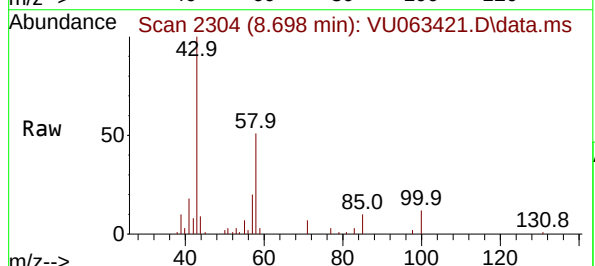
Tgt Ion: 43 Resp: 21141

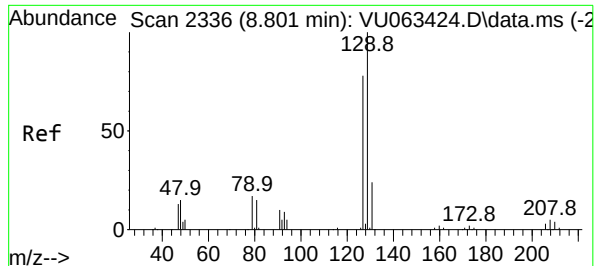
Ion Ratio Lower Upper

43 100

58 47.2 36.9 76.9

57 17.1 0.0 38.8





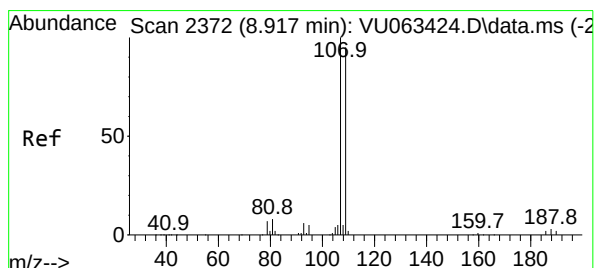
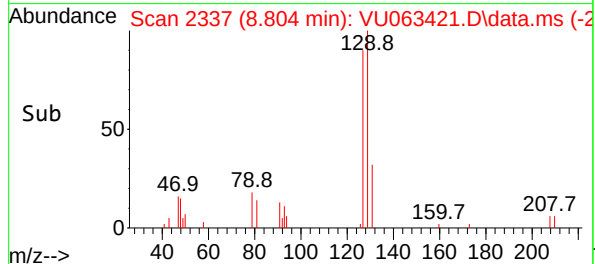
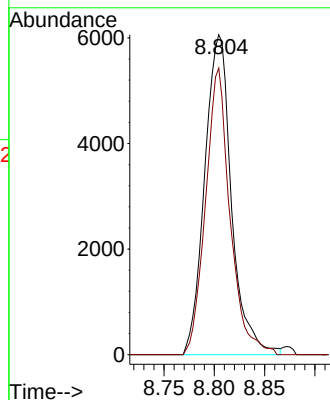
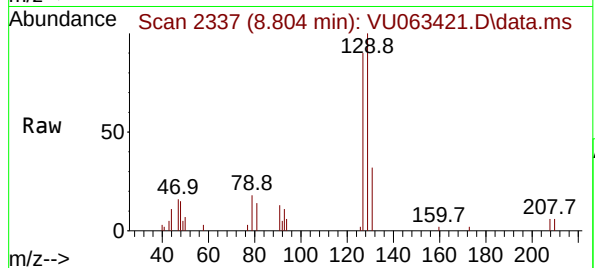
#55
Dibromochloromethane
Concen: 0.876 ug/l
RT: 8.804 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:129 Resp: 1124
Ion Ratio Lower Upper
129 100
127 81.7 62.6 93.8

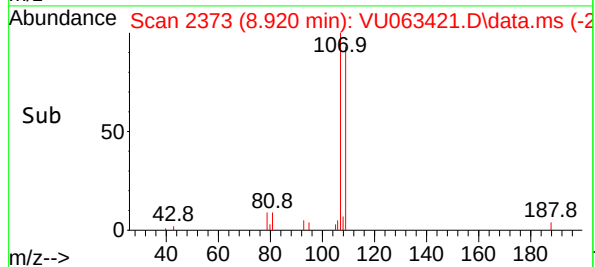
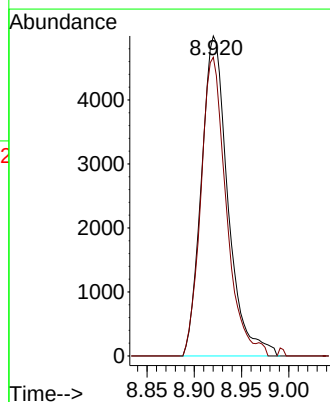
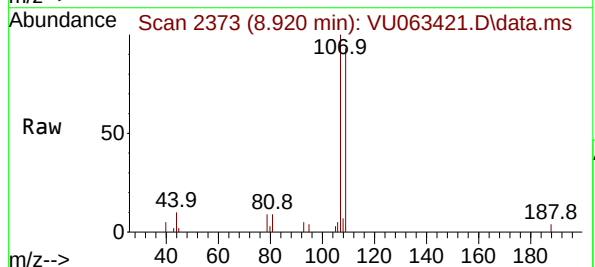
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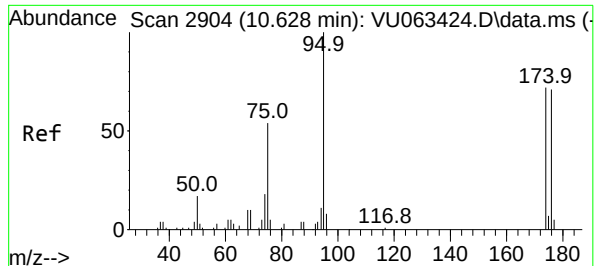
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#56
1,2-Dibromoethane
Concen: 0.967 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion:107 Resp: 9751
Ion Ratio Lower Upper
107 100
109 89.5 0.0 188.0





#57

4-Bromofluorobenzene

Concen: 0.928 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. -0.001 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 95 Resp: 1724

Ion Ratio Lower Upper

95 100

174 75.5 59.4 89.2

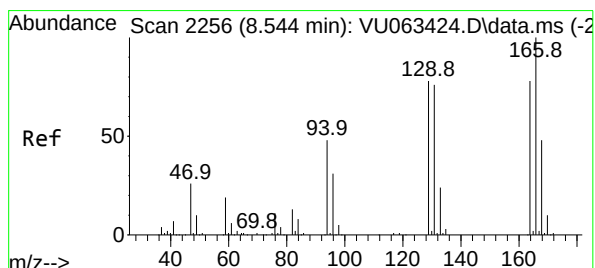
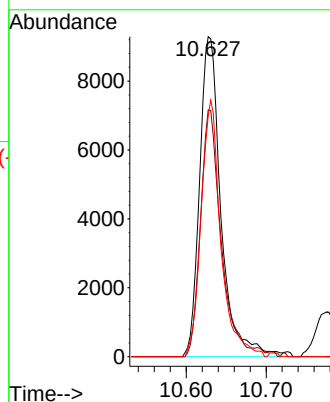
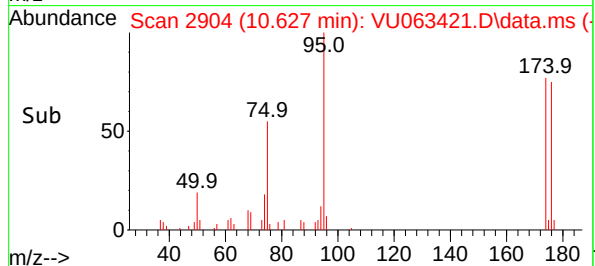
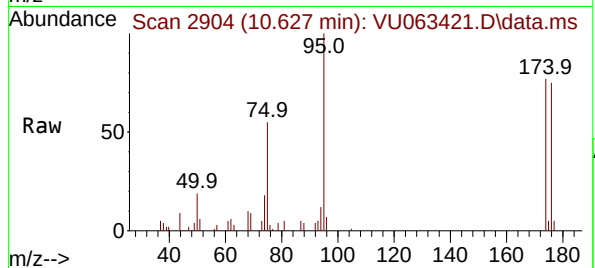
176 74.1 57.8 86.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#58

Tetrachloroethene

Concen: 0.960 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:164 Resp: 14681

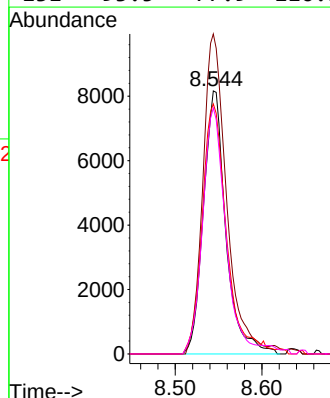
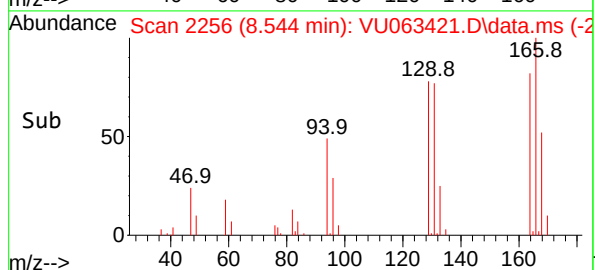
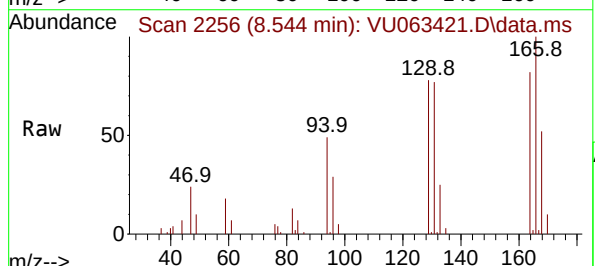
Ion Ratio Lower Upper

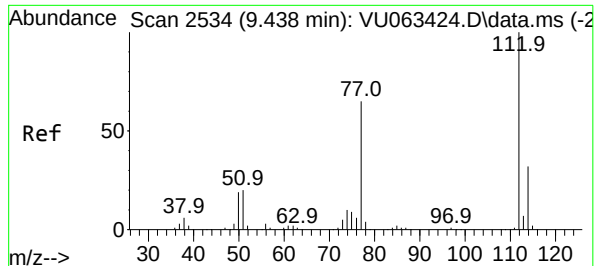
164 100

166 121.7 102.8 154.2

129 95.1 80.2 120.2

131 93.5 77.9 116.9





#59

Chlorobenzene

Concen: 0.899 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:112 Resp: 3484

Ion Ratio Lower Upper

112 100

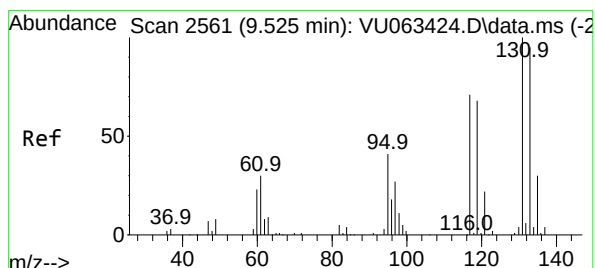
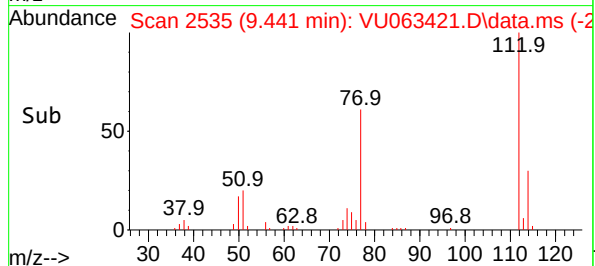
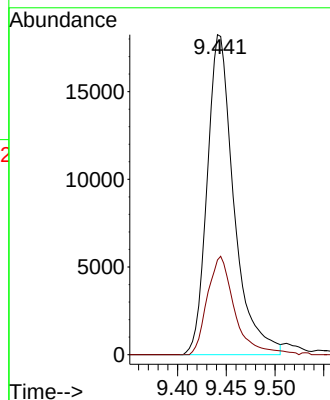
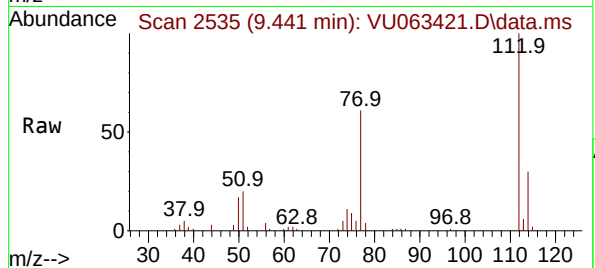
114 29.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.954 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

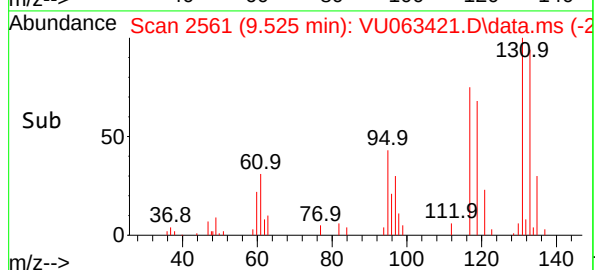
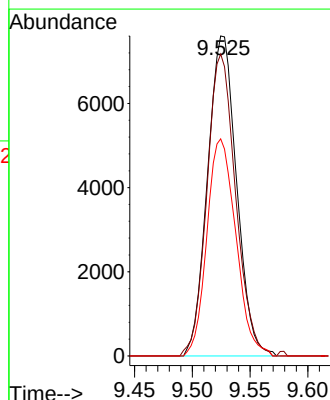
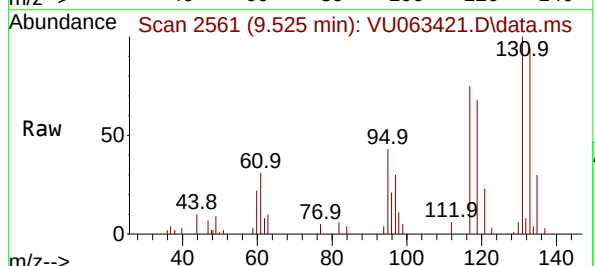
Tgt Ion:131 Resp: 13320

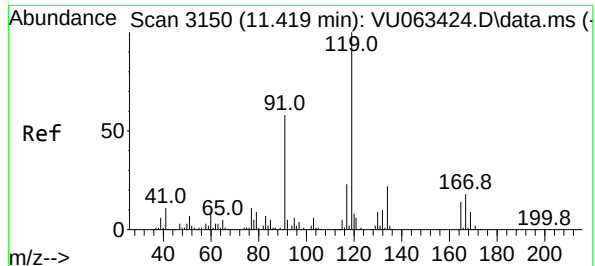
Ion Ratio Lower Upper

131 100

133 93.2 76.1 114.1

119 67.5 53.7 80.5





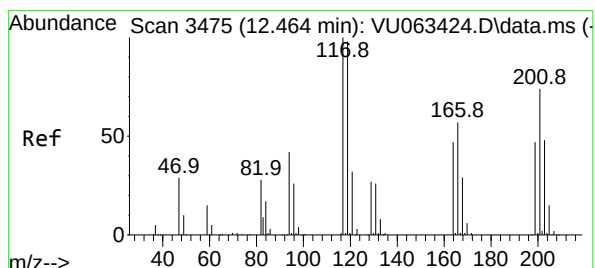
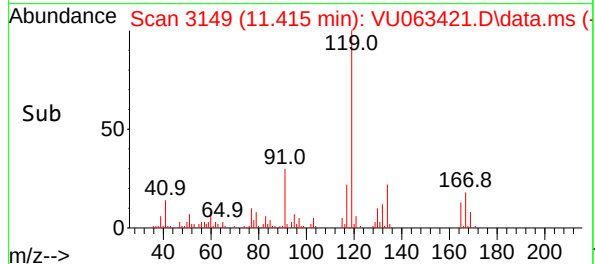
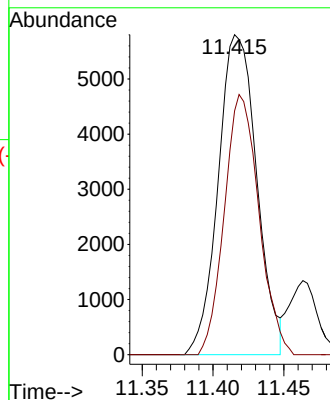
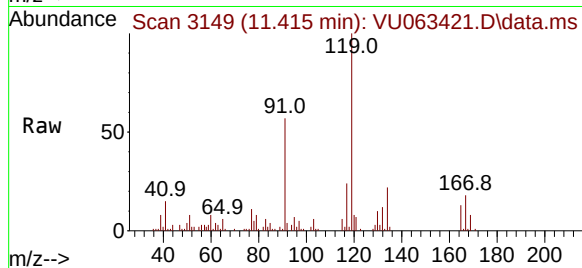
#61
Pentachloroethane
Concen: 0.966 ug/l
RT: 11.415 min Scan# 3150
Delta R.T. -0.004 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 1098
Ion Ratio Lower Upper
117 100
167 72.9 58.1 87.1

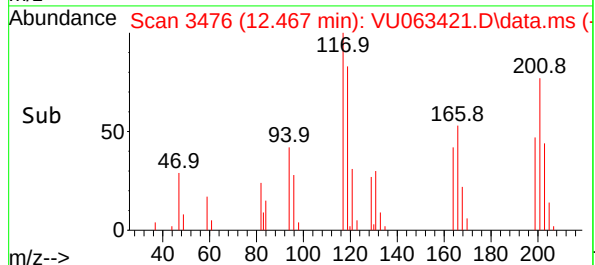
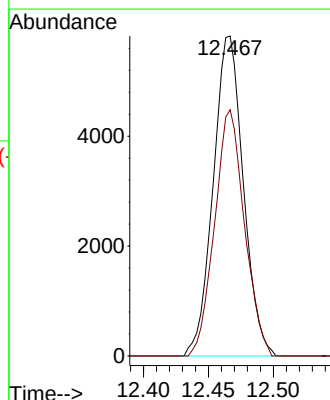
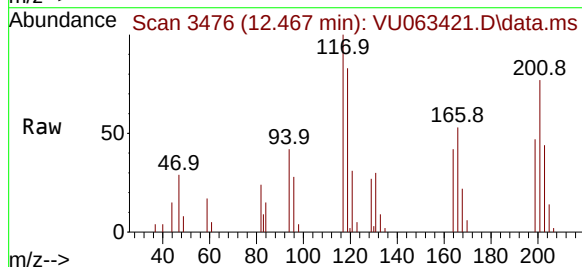
Manual Integrations
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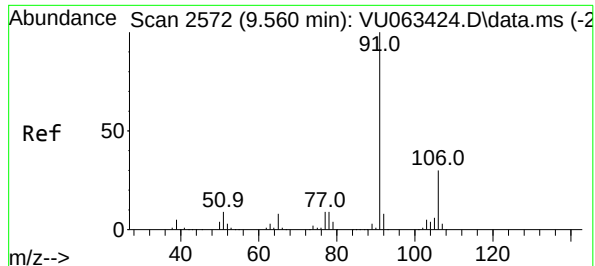
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 0.917 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion:117 Resp: 9374
Ion Ratio Lower Upper
117 100
201 76.2 60.4 90.6





#63

Ethyl Benzene

Concen: 0.806 ug/l

RT: 9.563 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 5008

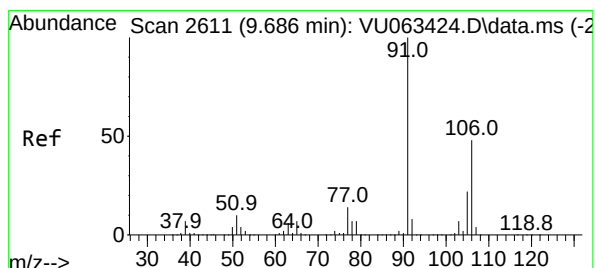
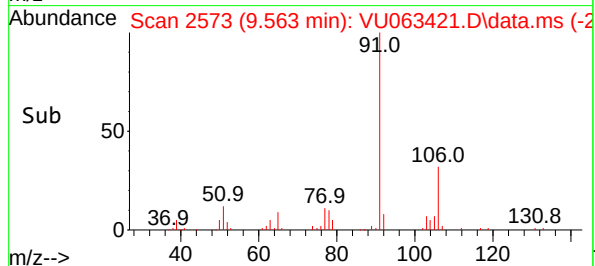
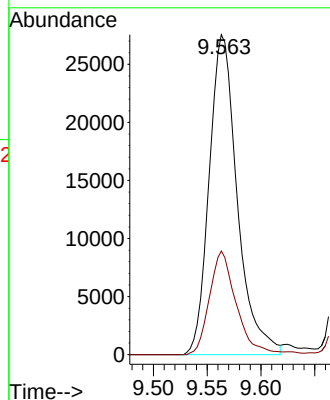
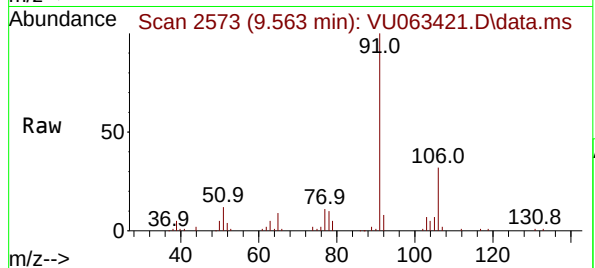
Ion Ratio Lower Upper

91 100

106 32.4 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#64

m/p-Xylenes

Concen: 2.060 ug/l

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU063421.D

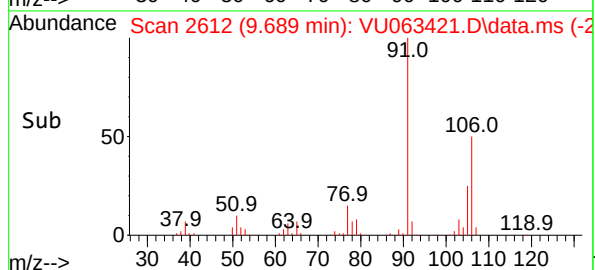
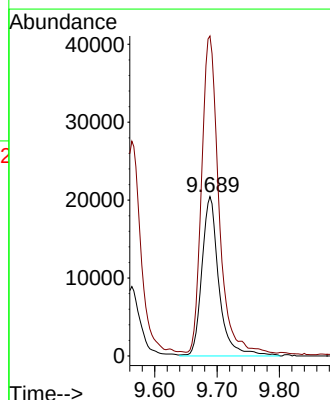
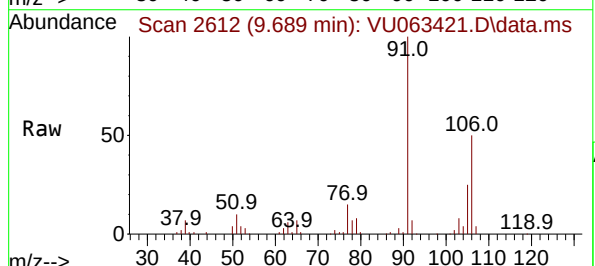
Acq: 23 Jun 2025 10:34

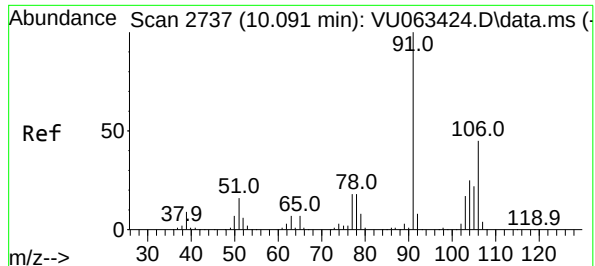
Tgt Ion:106 Resp: 38930

Ion Ratio Lower Upper

106 100

91 199.7 169.9 254.9





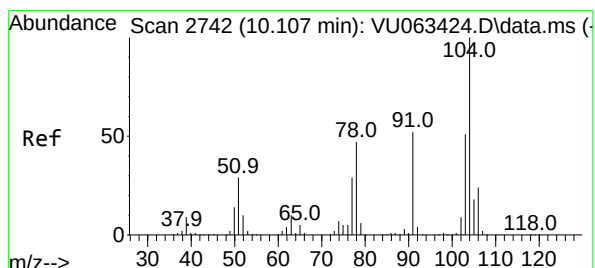
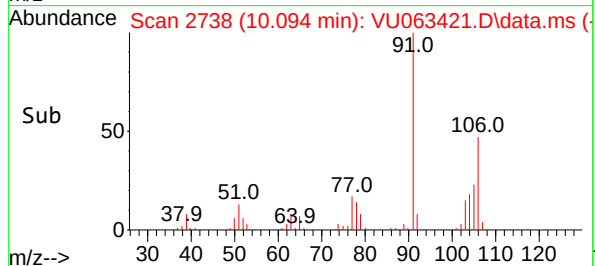
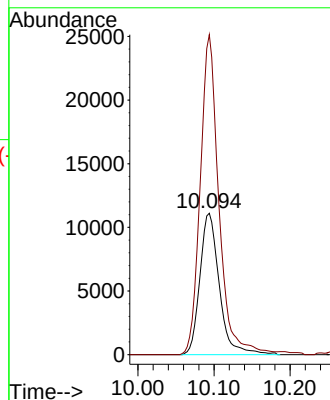
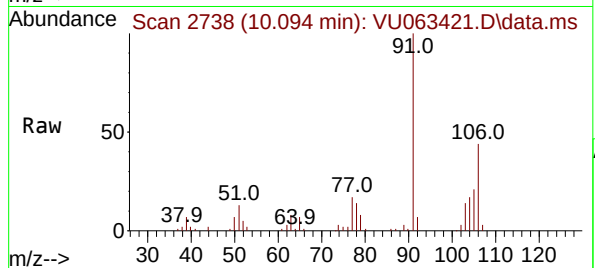
#65
o-Xylene
Concen: 0.836 ug/l
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 1973
Ion Ratio Lower Upper
106 100
91 216.7 110.8 332.3

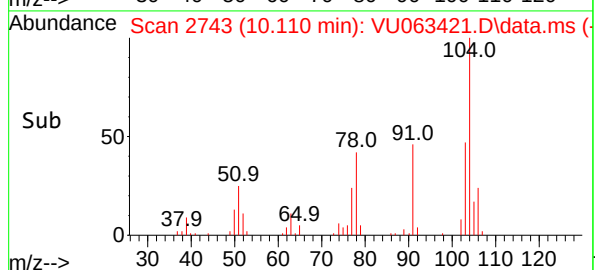
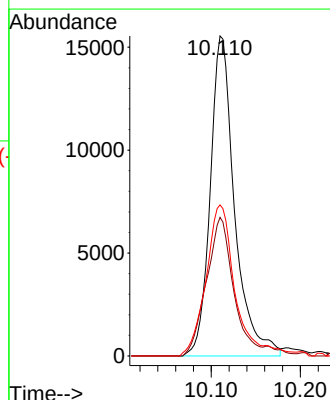
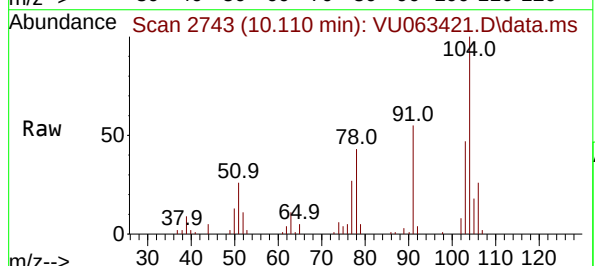
Manual Integrations
APPROVED

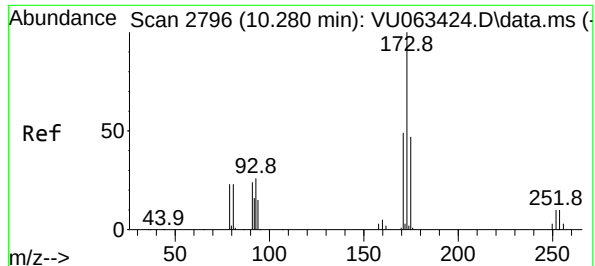
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 1.013 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

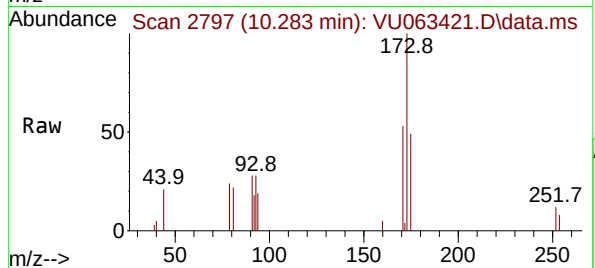
Tgt Ion:104 Resp: 29573
Ion Ratio Lower Upper
104 100
78 48.0 41.6 62.4
103 56.3 44.6 67.0





#67
Bromoform
Concen: 0.907 ug/l
RT: 10.283 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

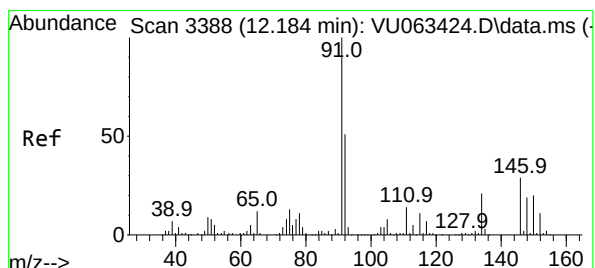
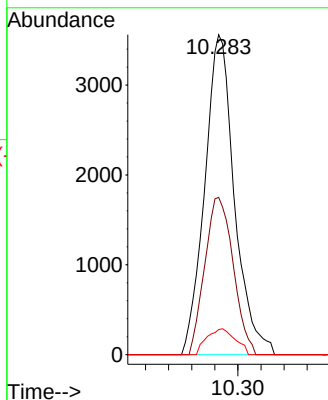
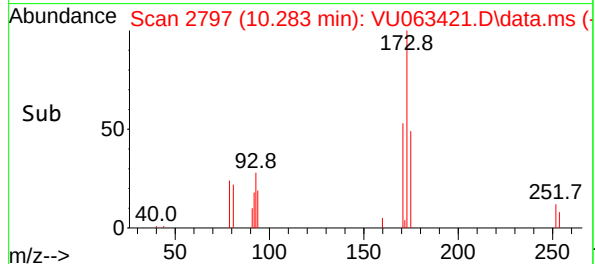
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



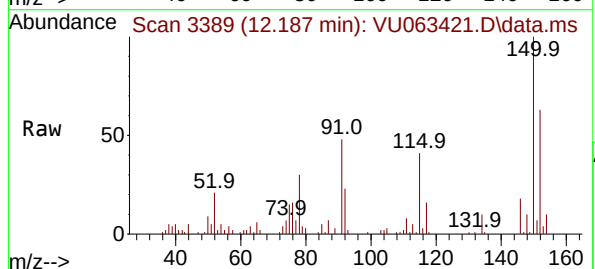
Tgt Ion:173 Resp: 636
Ion Ratio Lower Upper
173 100
175 46.9 38.2 57.2
254 7.8 7.6 11.4

Manual Integrations
APPROVED

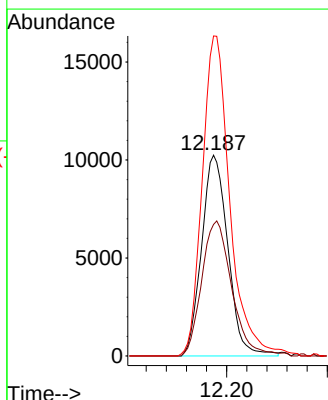
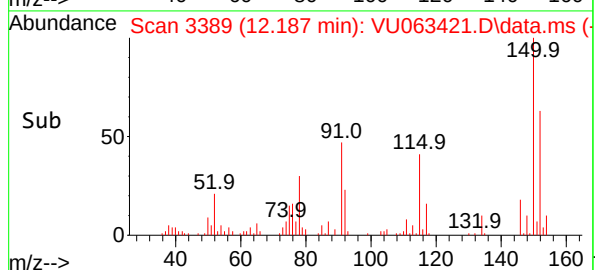
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

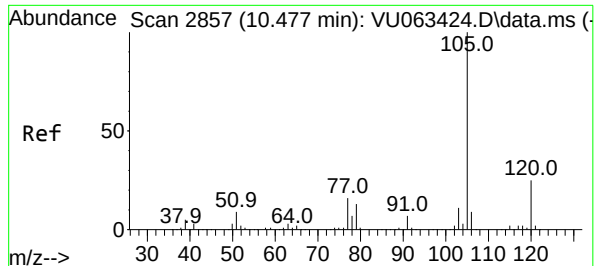


#68
1,2-Dichlorobenzene-d4
Concen: 0.995 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34



Tgt Ion:152 Resp: 18573
Ion Ratio Lower Upper
152 100
115 77.0 0.0 327.6
150 167.7 0.0 664.4





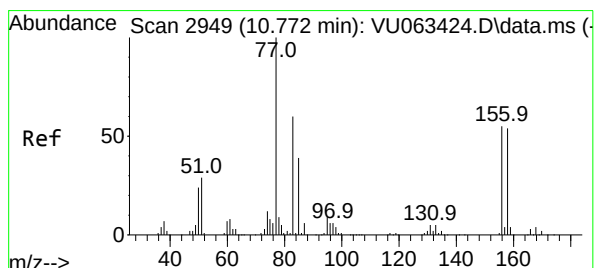
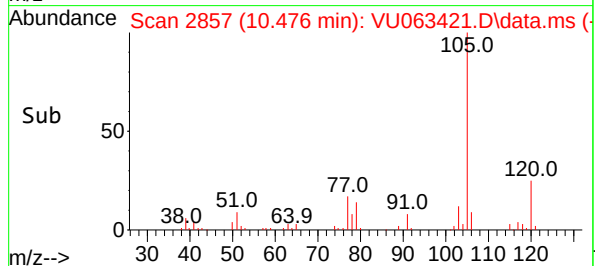
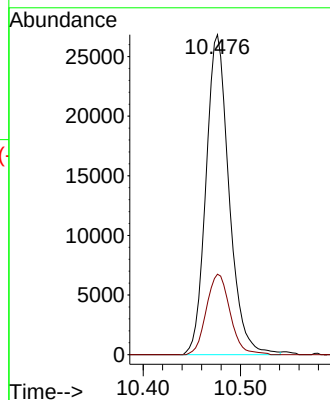
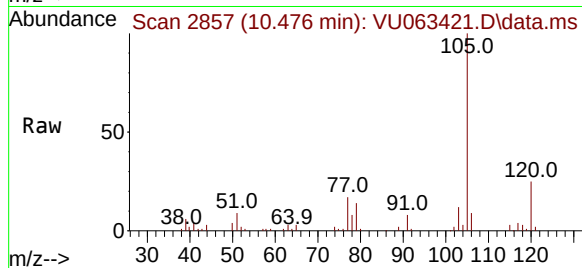
#69
Isopropylbenzene
Concen: 0.807 ug/l
RT: 10.476 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4414
Ion Ratio Lower Upper
105 100
120 25.8 12.7 38.1

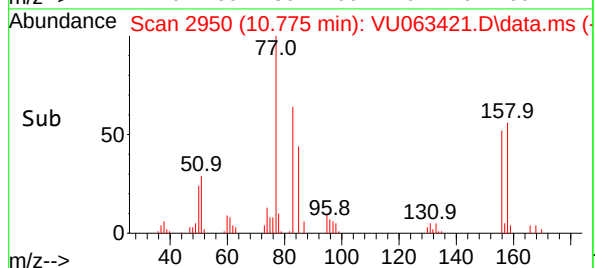
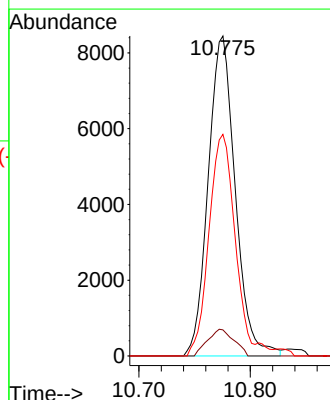
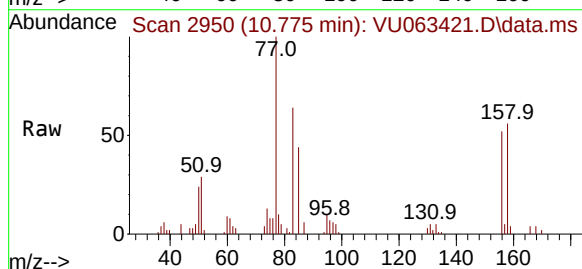
Manual Integrations
APPROVED

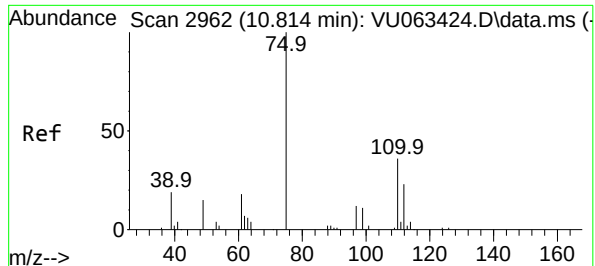
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 0.896 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion: 83 Resp: 14262
Ion Ratio Lower Upper
83 100
131 8.1 7.4 11.0
85 67.8 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 0.867 ug/l m

RT: 10.817 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 11479

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 32.0 0.0 63.4

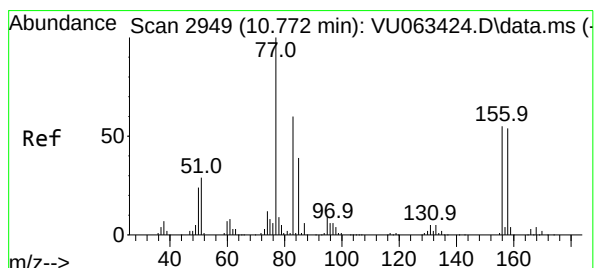
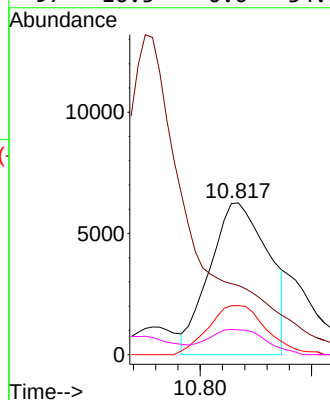
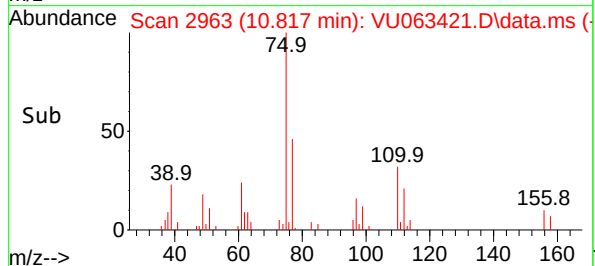
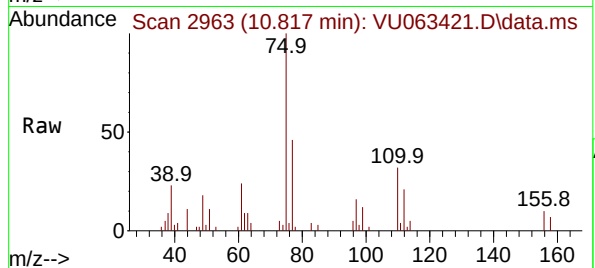
97 16.5 0.0 34.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 0.881 ug/l

RT: 10.779 min Scan# 2951

Delta R.T. 0.007 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

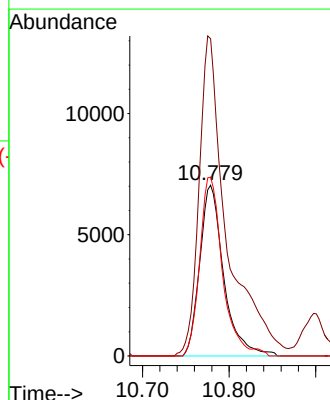
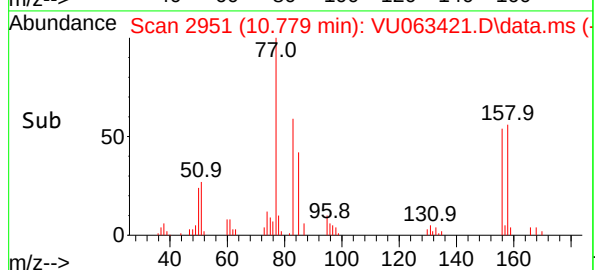
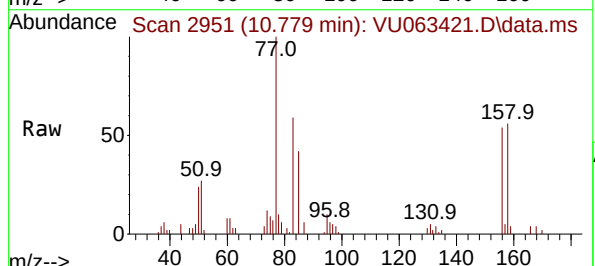
Tgt Ion:156 Resp: 13533

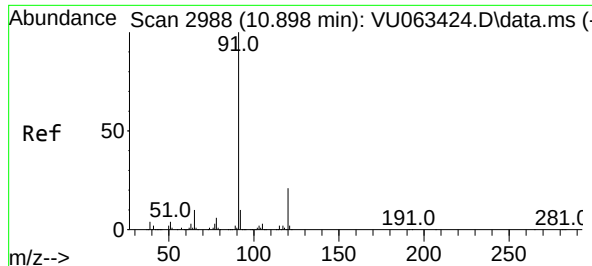
Ion Ratio Lower Upper

156 100

77 217.5 0.0 416.2

158 100.1 0.0 190.6





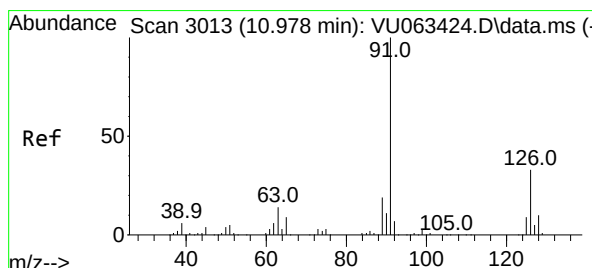
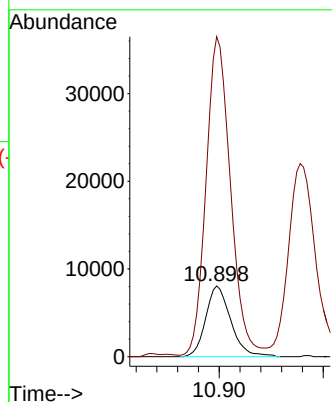
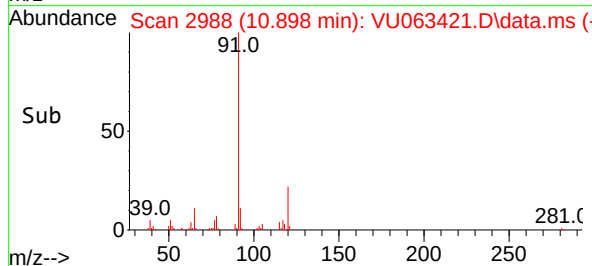
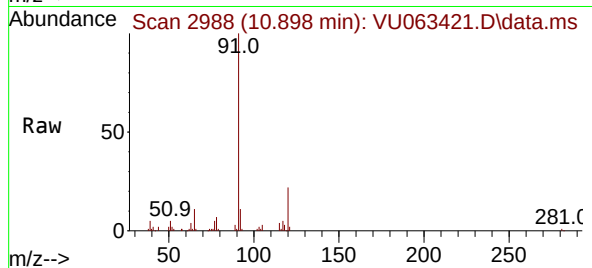
#73
n-propylbenzene
Concen: 1.019 ug/l
RT: 10.898 min Scan# 2988
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:120 Resp: 1346
Ion Ratio Lower Upper
120 100
91 439.2 373.7 560.5

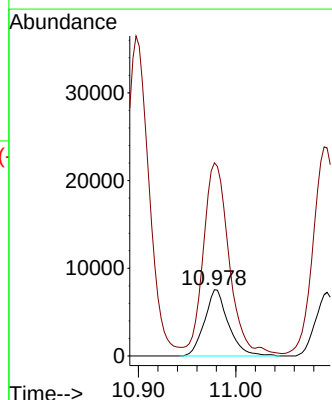
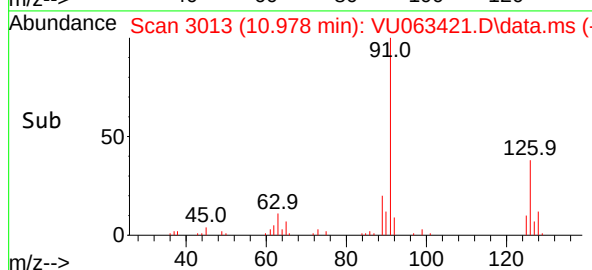
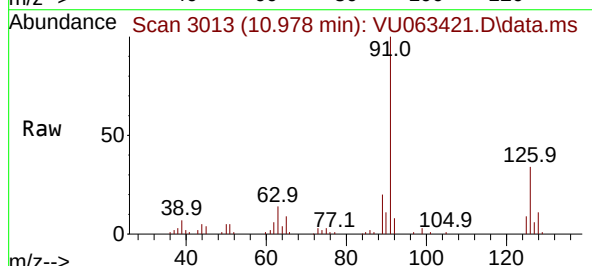
Manual Integrations
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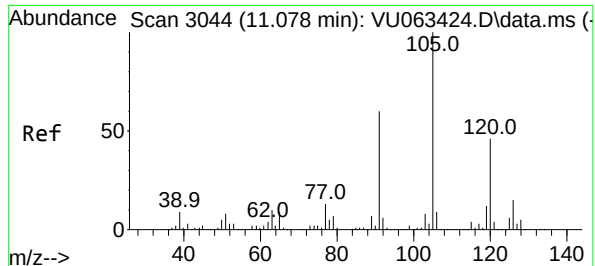
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 0.846 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion:126 Resp: 12836
Ion Ratio Lower Upper
126 100
91 287.3 0.0 650.8





#75

1,3,5-Trimethylbenzene

Concen: 0.964 ug/l

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:105 Resp: 3974

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.4

Instrument :

MSVOA_U

ClientSampleId :

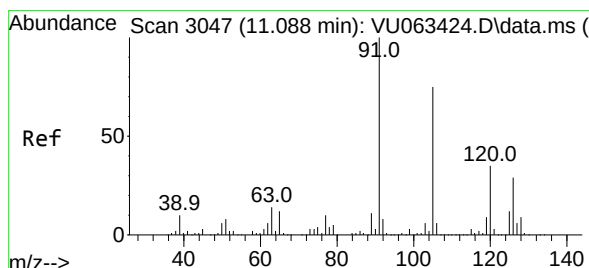
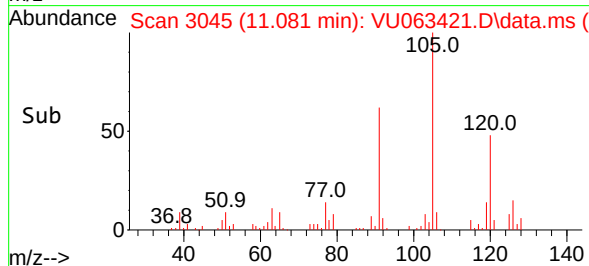
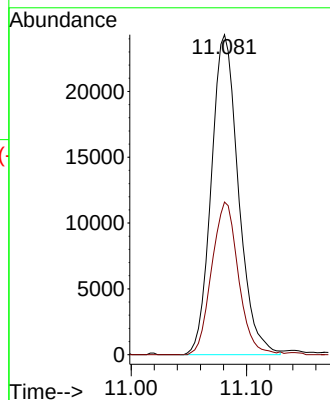
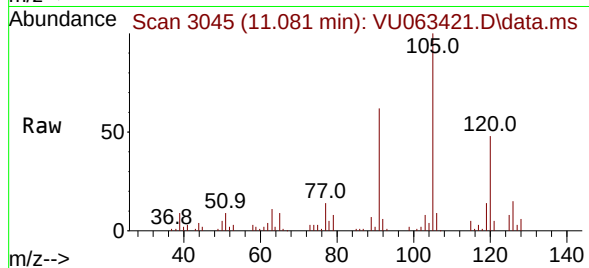
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#76

4-Chlorotoluene

Concen: 0.817 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VU063421.D

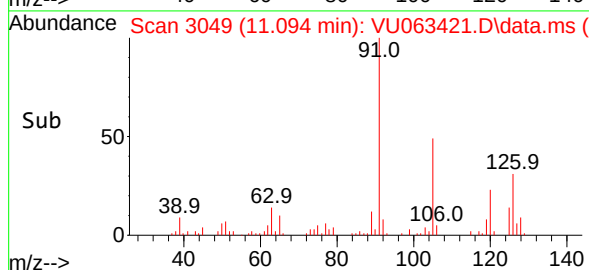
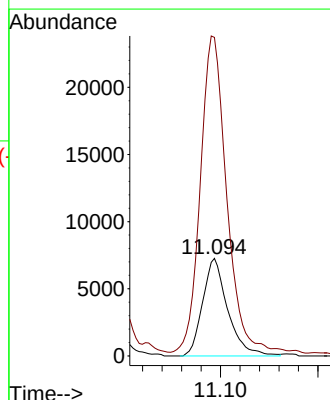
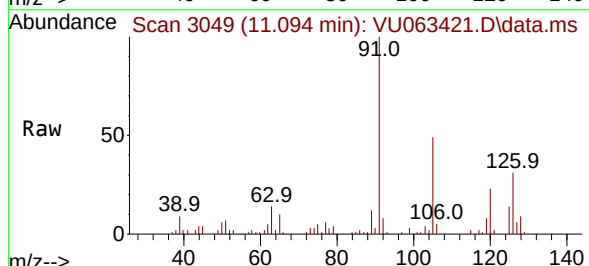
Acq: 23 Jun 2025 10:34

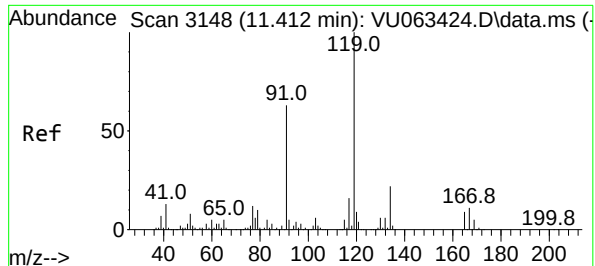
Tgt Ion:126 Resp: 12996

Ion Ratio Lower Upper

126 100

91 338.4 0.0 713.2





#77

tert-Butylbenzene

Concen: 0.851 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

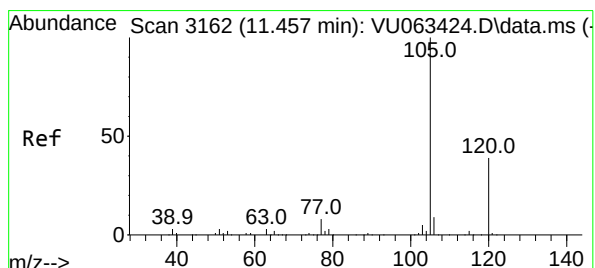
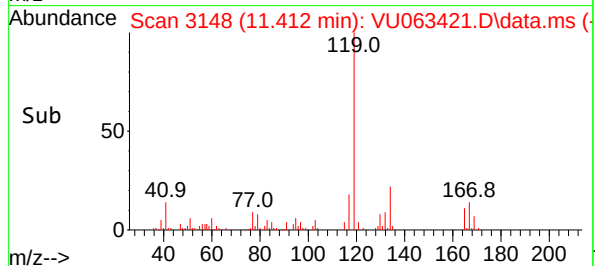
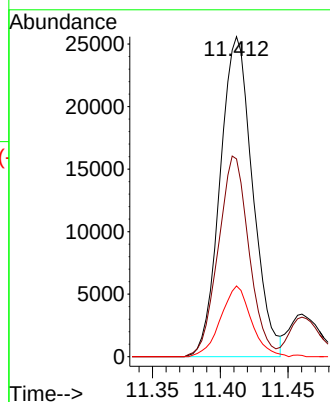
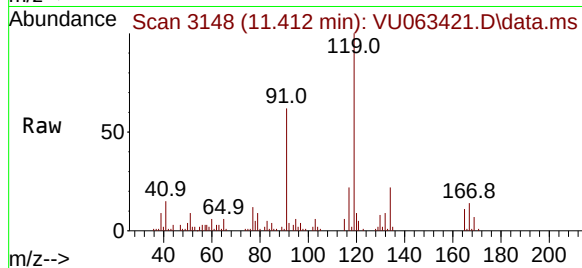
ClientSampleId :

VSTDIC001

Tgt Ion:	119	Resp:	4275
Ion Ratio	Lower	Upper	
119	100		
91	59.1	30.9	92.7
134	20.7	17.9	26.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 1.007 ug/l

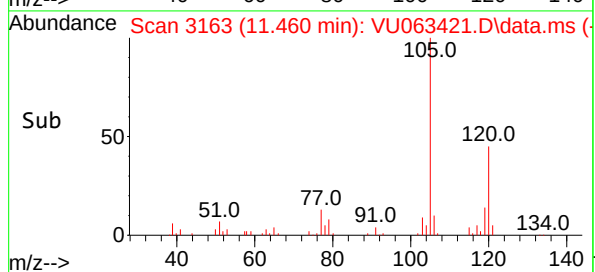
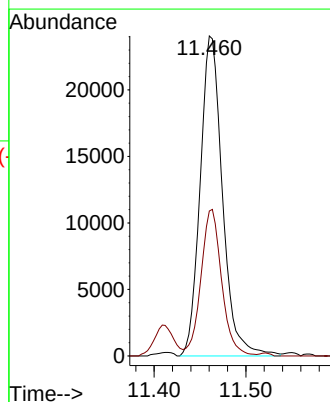
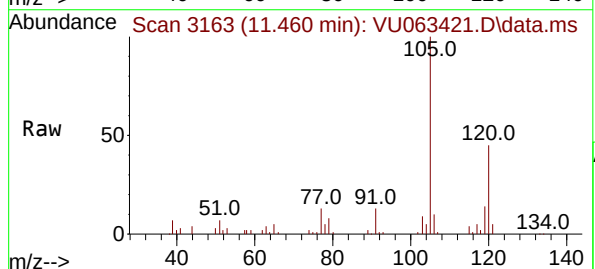
RT: 11.460 min Scan# 3163

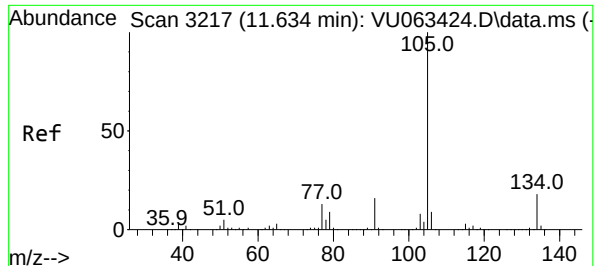
Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:	105	Resp:	40697
Ion Ratio	Lower	Upper	
105	100		
120	41.7	22.1	66.5





#79

sec-Butylbenzene

Concen: 0.810 ug/l

RT: 11.634 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 57690

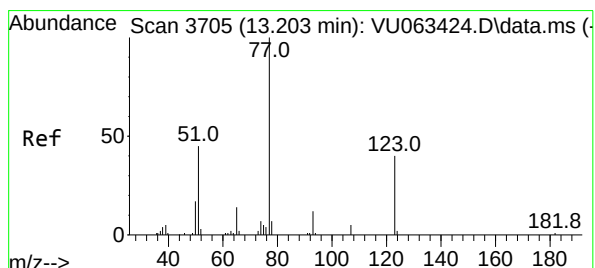
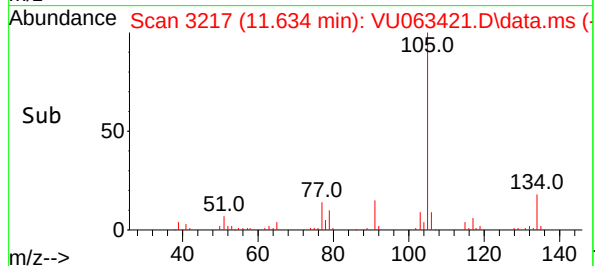
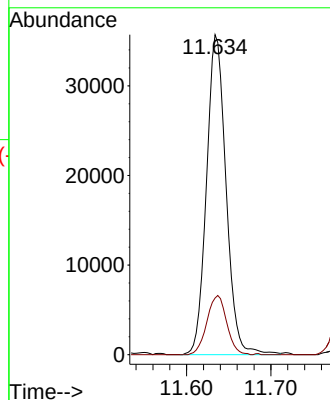
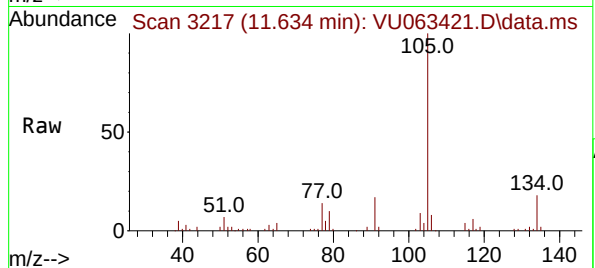
Ion Ratio Lower Upper

105 100

134 18.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#80

Nitrobenzene

Concen: 4.225 ug/l m

RT: 13.225 min Scan# 3712

Delta R.T. 0.022 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

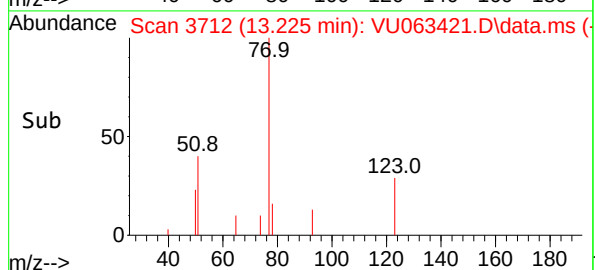
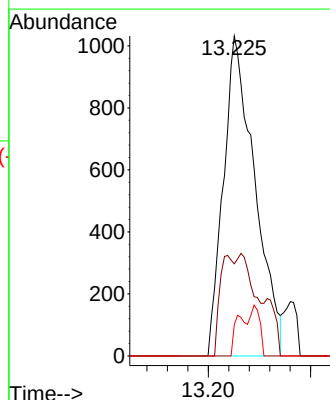
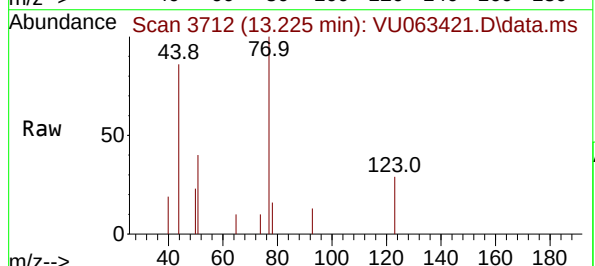
Tgt Ion: 77 Resp: 2196

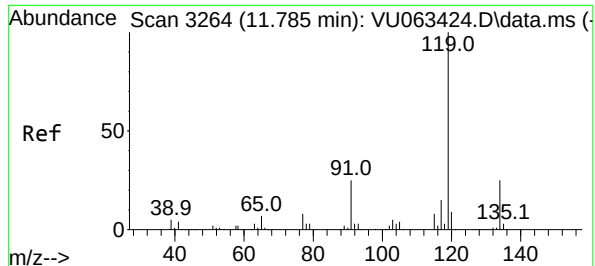
Ion Ratio Lower Upper

77 100

123 14.7 19.6 69.6#

65 5.0 10.6 13.4#





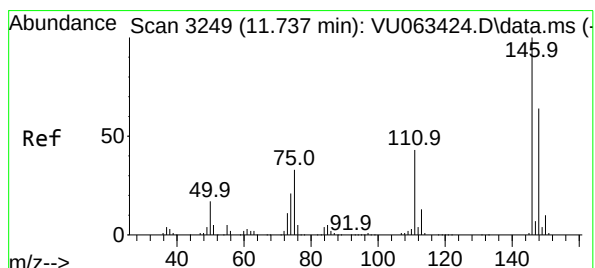
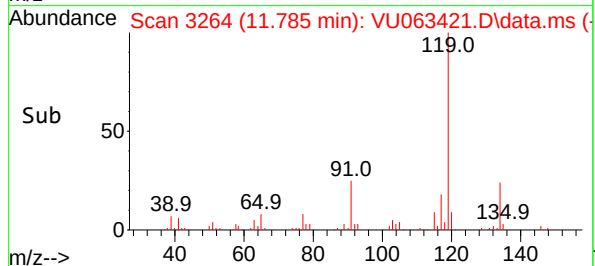
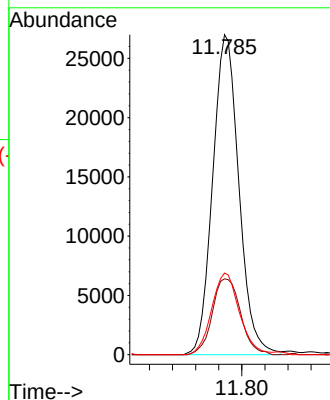
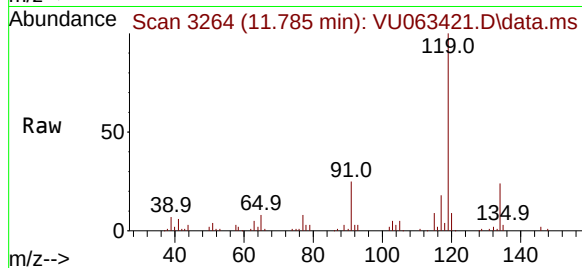
#81
p-Isopropyltoluene
Concen: 1.007 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 42410
Ion Ratio Lower Upper
119 100
134 25.6 20.2 30.2
91 27.1 19.7 29.5

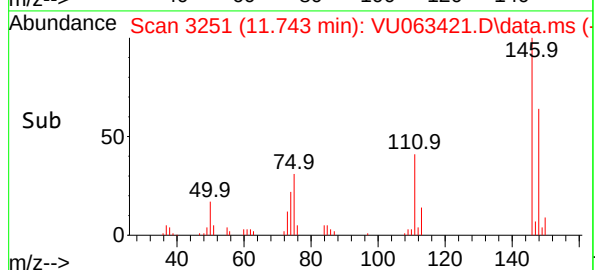
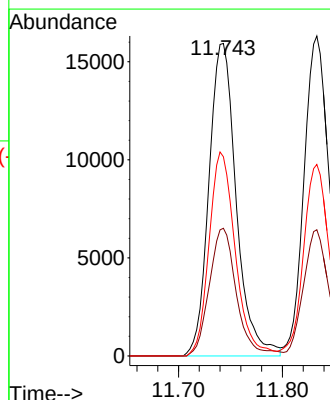
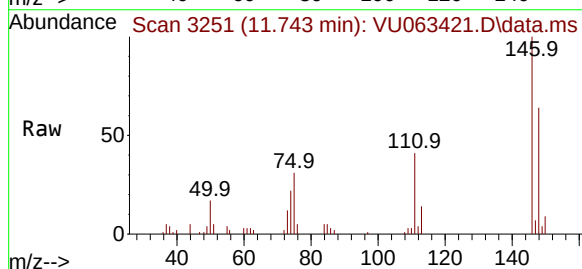
Manual Integrations
APPROVED

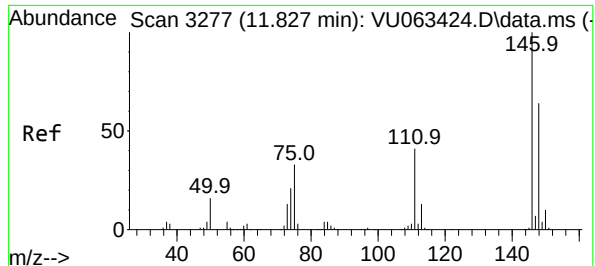
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82
1,3-Dichlorobenzene
Concen: 0.914 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion:146 Resp: 29075
Ion Ratio Lower Upper
146 100
111 40.7 34.3 51.5
148 62.7 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 0.890 ug/l m

RT: 11.833 min Scan# 3277

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

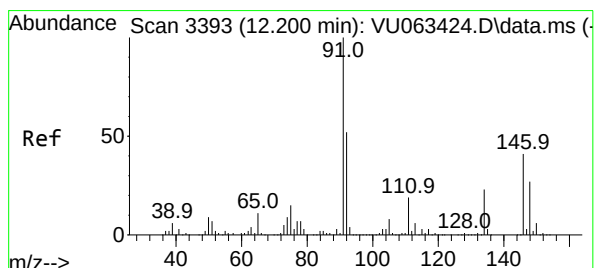
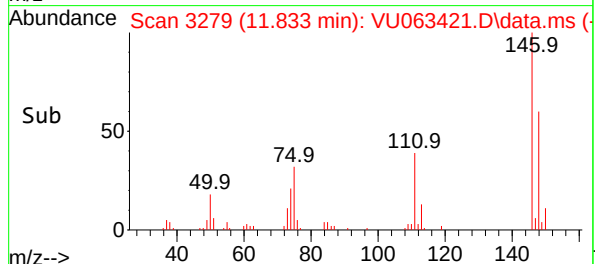
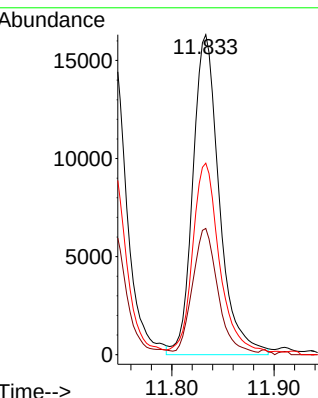
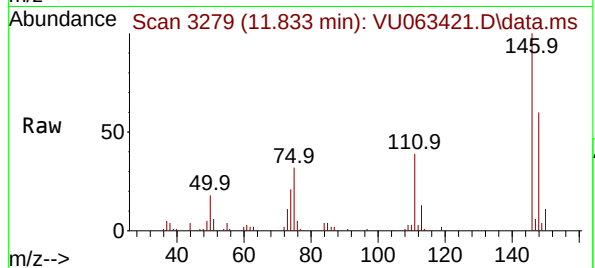
VSTDIC001

Tgt Ion:	146	Resp:	2935
Ion Ratio	Lower	Upper	
146	100		
111	36.7	31.7	47.5
148	59.5	51.4	77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 0.793 ug/l

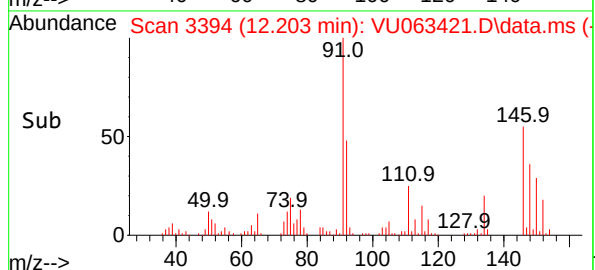
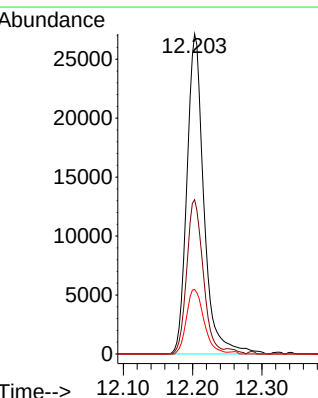
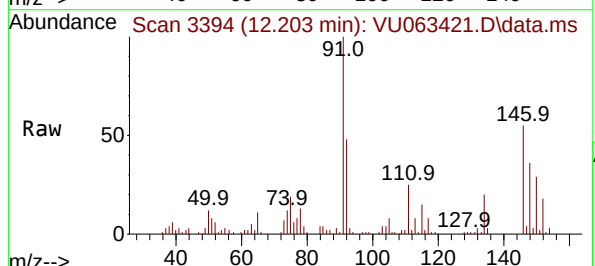
RT: 12.203 min Scan# 3394

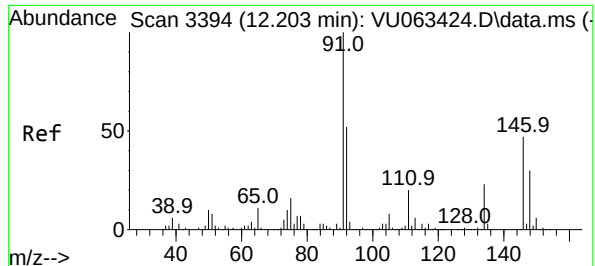
Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:	91	Resp:	46235
Ion Ratio	Lower	Upper	
91	100		
92	46.7	41.0	61.6
134	20.9	18.5	27.7





#85

1,2-Dichlorobenzene

Concen: 0.896 ug/l

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

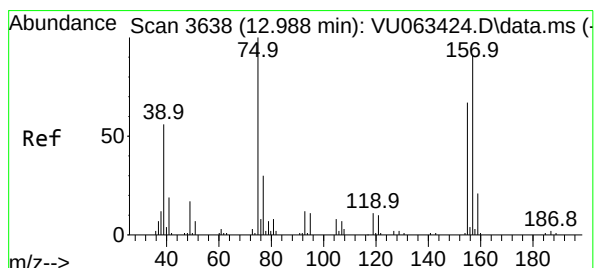
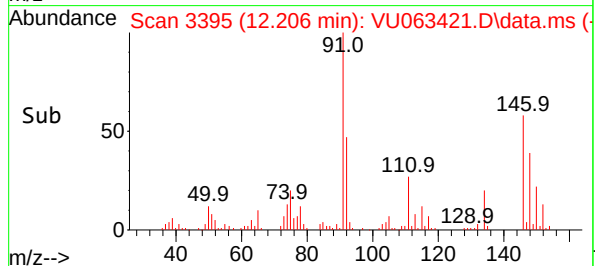
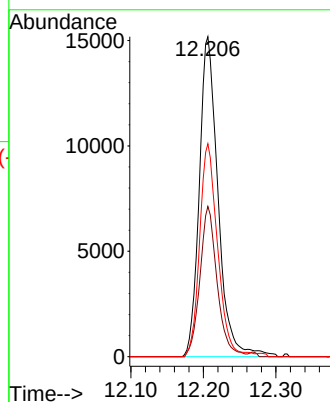
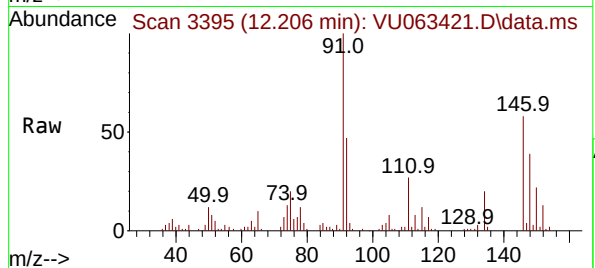
VSTDICC001

Tgt Ion:	146	Resp:	2728
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.8	65.4
148	63.8	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.790 ug/l

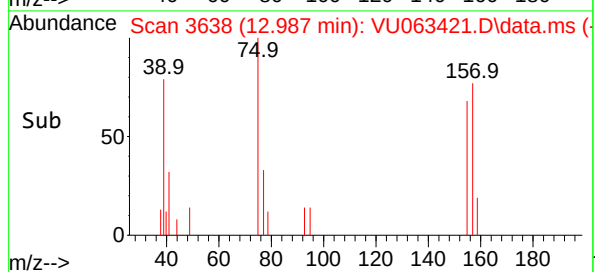
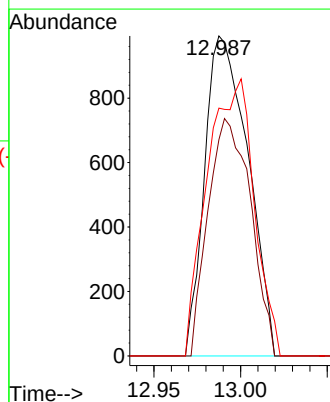
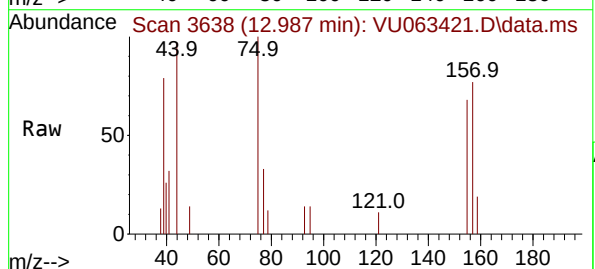
RT: 12.987 min Scan# 3638

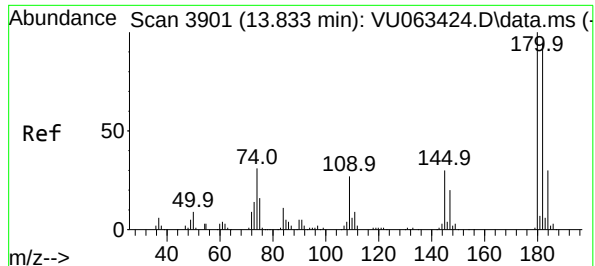
Delta R.T. -0.001 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Tgt Ion:	75	Resp:	1728
Ion Ratio	Lower	Upper	
75	100		
155	72.7	59.7	89.5
157	93.6	75.0	112.4





#87

1,2,4-Trichlorobenzene

Concen: 0.815 ug/l

RT: 13.840 min Scan# 3901

Delta R.T. 0.006 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

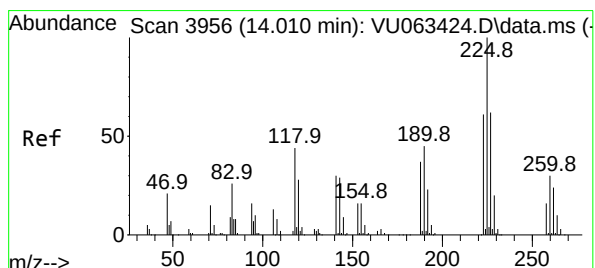
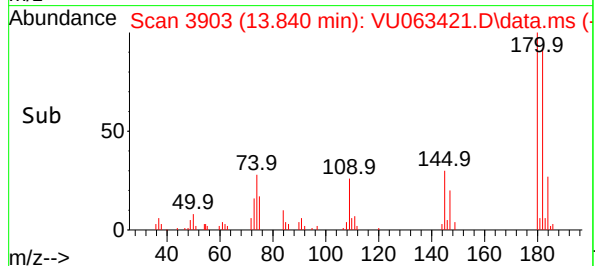
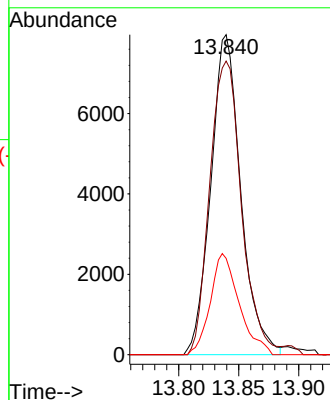
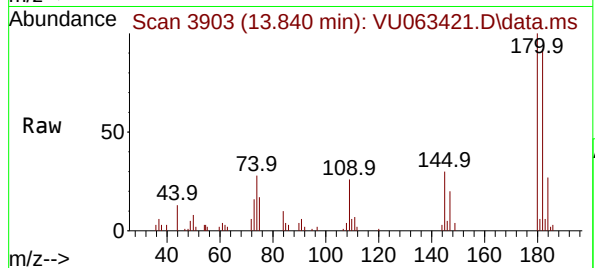
VSTDICC001

Tgt Ion:	180	Resp:	1383
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.6	113.4
145	30.4	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

Concen: 0.940 ug/l

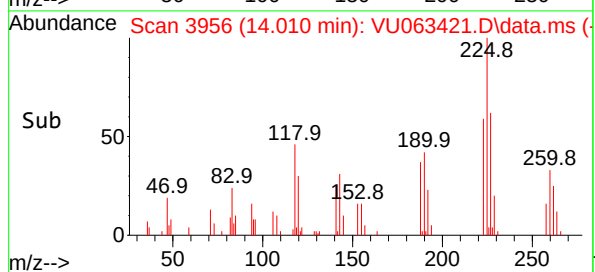
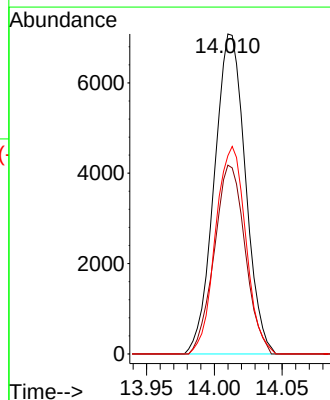
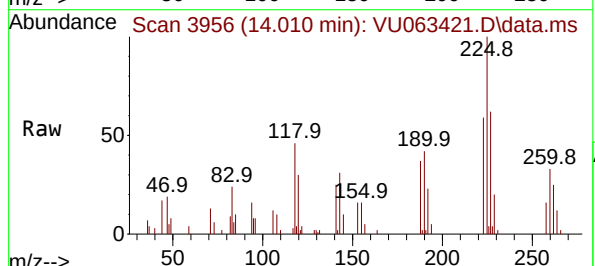
RT: 14.010 min Scan# 3956

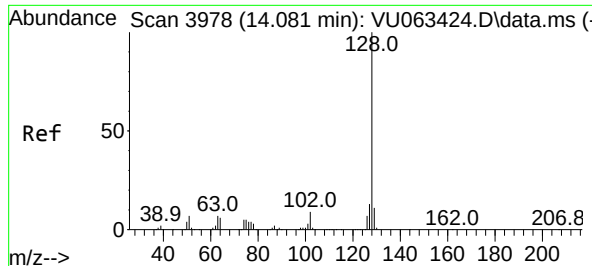
Delta R.T. -0.000 min

Lab File: VU063421.D

Acq: 23 Jun 2025 10:34

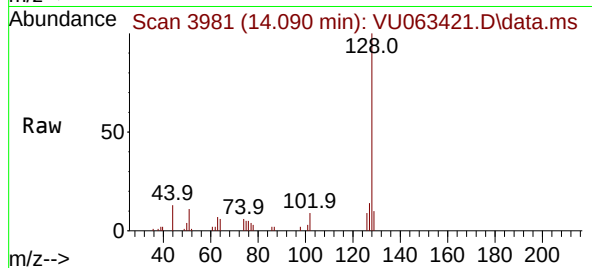
Tgt Ion:	225	Resp:	11315
Ion Ratio	Lower	Upper	
225	100		
223	58.6	50.0	75.0
227	63.1	51.5	77.3





#89
Naphthalene
Concen: 1.384 ug/l
RT: 14.090 min Scan# 3978
Delta R.T. 0.009 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

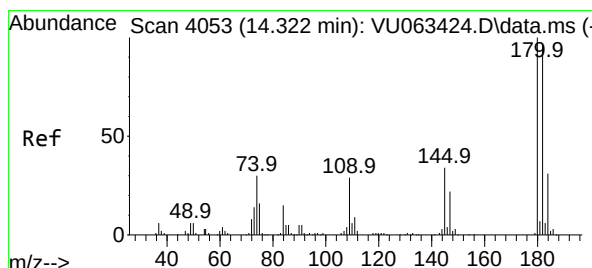
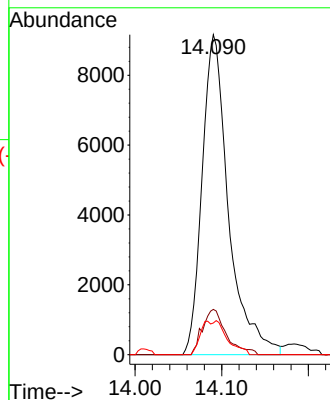
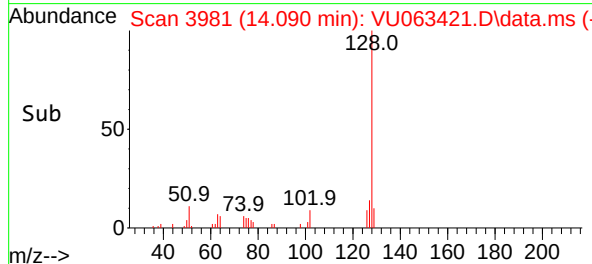
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion:128 Resp: 1941
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 4.4 8.7 13.1

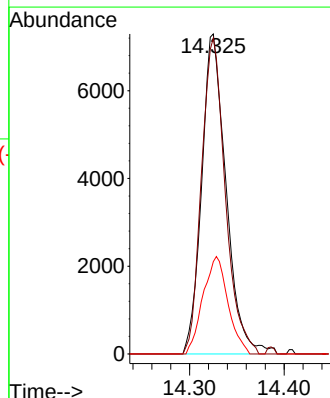
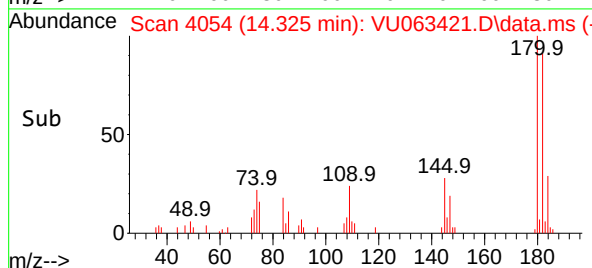
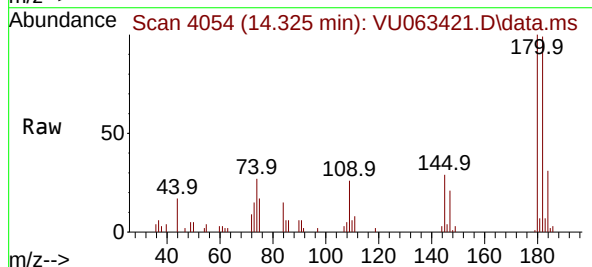
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90
1,2,3-Trichlorobenzene
Concen: 0.774 ug/l
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU063421.D
Acq: 23 Jun 2025 10:34

Tgt Ion:180 Resp: 13071
Ion Ratio Lower Upper
180 100
182 96.0 76.7 115.1
145 31.1 27.4 41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063422.D
 Acq On : 23 Jun 2025 11:08
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Quant Time: Jun 24 04:40:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	54019	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	19109	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	19383	0.973	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	39449	1.901	ug/l	97
3) Chloromethane	1.518	50	52592	1.924	ug/l	98
4) Vinyl Chloride	1.599	62	45159	1.929	ug/l	98
5) Bromomethane	1.850	94	22589	2.015	ug/l	100
6) Chloroethane	1.927	64	27477	1.982	ug/l	98
7) Trichlorofluoromethane	2.129	101	51245	1.920	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	27218	1.915	ug/l	99
9) 1,1-Dichloroethene	2.570	96	26972	1.901	ug/l	98
10) Iodomethane	2.711	142	19116	1.670	ug/l	99
11) Allyl Chloride	2.911	41	48285	1.911	ug/l	99
12) Acrylonitrile	3.309	53	16265	3.969	ug/l	95
13) Acetone	2.618	43	29479	8.163	ug/l	96
14) Carbon Disulfide	2.779	76	94789	1.916	ug/l	99
15) Methylene Chloride	3.030	84	33403	1.858	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	29488	1.848	ug/l	99
17) 1,1-Dichloroethane	3.850	63	64418	1.922	ug/l	99
18) 2-Butanone	4.718	43	49464	8.649	ug/l	98
19) Cyclohexane	5.361	56	47969	1.892	ug/l	98
20) Methylcyclohexane	6.747	83	41454m	1.770	ug/l	
21) 2,2-Dichloropropane	4.644	77	44558	1.871	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	33319	1.913	ug/l	95
23) Diethyl Ether	2.371	59	25482	1.991	ug/l	96
24) tert-Butyl Alcohol	3.194	59	26580	19.715	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	72920	1.890	ug/l	100
26) Bromochloromethane	4.959	128	12706	1.874	ug/l	95
27) Chloroform	5.071	83	60003	1.910	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	47577	1.868	ug/l	97
29) 1,1-Dichloropropene	5.505	75	43614	1.874	ug/l	100
30) Carbon Tetrachloride	5.499	117	38934	1.914	ug/l	98
31) Isopropyl Ether	3.994	45	97608	1.854	ug/l	94
32) Ethyl-t-butyl ether	4.505	59	82596m	1.862	ug/l	
33) Tert-Amyl methyl ether	5.943	73	57389m	1.810	ug/l	
34) Propionitrile	4.779	54	16424	9.928	ug/l	# 90
35) Benzene	5.759	78	131817	1.873	ug/l	100
36) 1,2-Dichloroethane	5.785	62	39373	1.913	ug/l	100
37) Trichloroethene	6.531	130	31776	1.910	ug/l	98
38) 1,2-Dichloropropane	6.782	63	36094	1.857	ug/l	98
39) Methacrylonitrile	4.978	41	11666	1.695	ug/l	95
40) Methyl acrylate	4.850	55	15749	1.626	ug/l	# 97
41) Tetrahydrofuran	5.062	42	13030	3.519	ug/l	96
42) 1-Chlorobutane	5.441	56	61671m	1.868	ug/l	
43) Dibromomethane	6.914	93	16800	1.850	ug/l	99
44) Bromodichloromethane	7.097	83	42462	1.919	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063422.D
 Acq On : 23 Jun 2025 11:08
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:40:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue Jun 24 03:53:51 2025

Response via : Initial Calibration

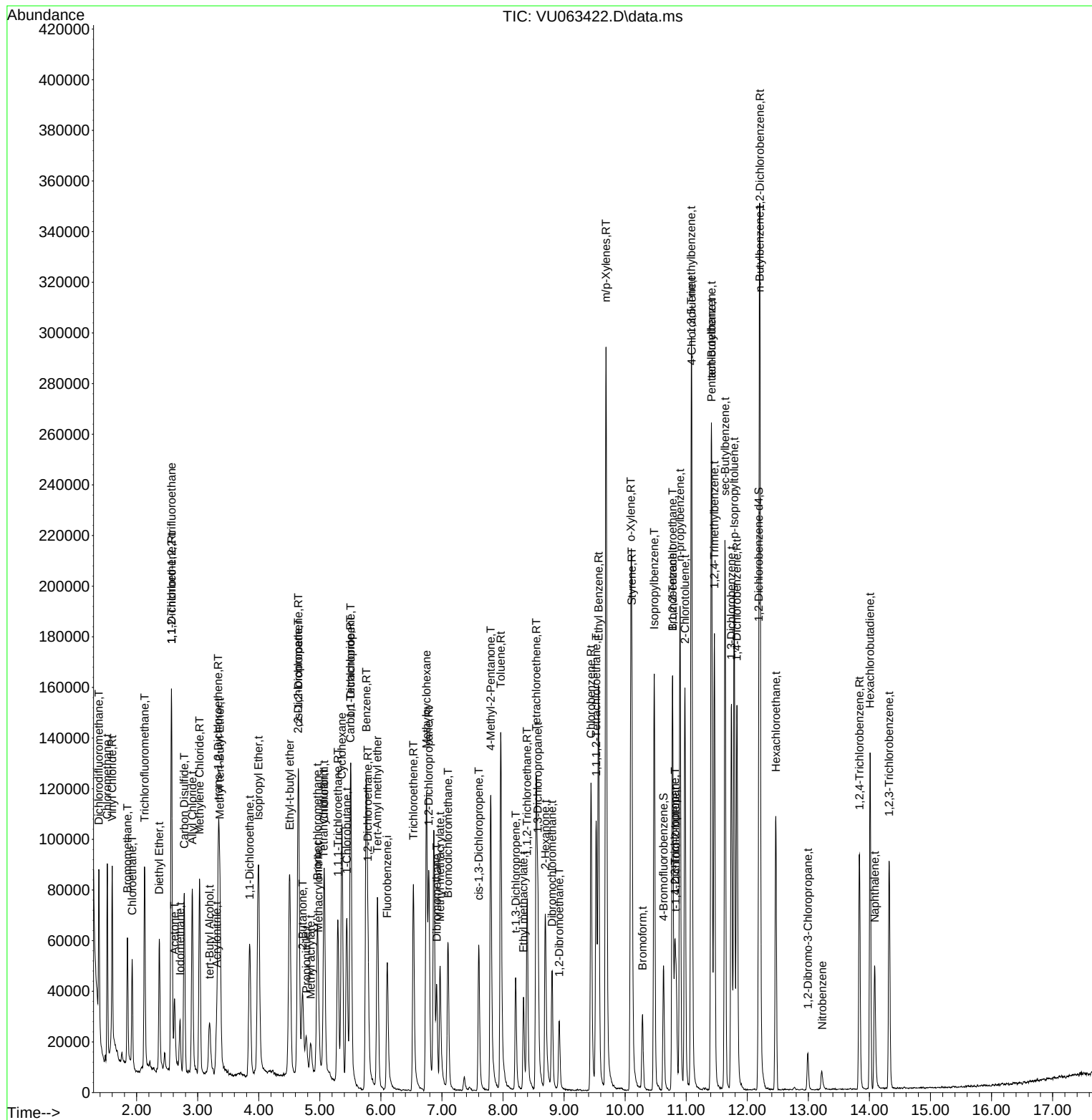
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	88768	9.105	ug/l	96
46) t-1,4-Dichloro-2-butene	10.827	75	12481m	4.011	ug/l	
47) Methyl methacrylate	6.968	69	24280	3.592	ug/l	98
48) Ethyl methacrylate	8.335	69	21437	1.822	ug/l	99
49) Toluene	7.962	92	70315	1.820	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	27776	1.741	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	38128	1.779	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	25555	1.925	ug/l	96
53) 1,3-Dichloropropane	8.570	76	42963	1.881	ug/l	100
54) 2-Hexanone	8.692	43	55985	9.161	ug/l	92
55) Dibromochloromethane	8.801	129	25585	1.868	ug/l	99
56) 1,2-Dibromoethane	8.920	107	20310	1.887	ug/l	99
58) Tetrachloroethene	8.544	164	30087	1.844	ug/l	99
59) Chlorobenzene	9.441	112	76232	1.843	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	28176	1.892	ug/l	98
61) Pentachloroethane	11.415	117	23417	1.930	ug/l	98
62) Hexachloroethane	12.467	117	21374	1.959	ug/l	97
63) Ethyl Benzene	9.563	91	116653	1.759	ug/l	99
64) m/p-Xylenes	9.685	106	89333	3.524	ug/l	97
65) o-Xylene	10.094	106	44943	1.784	ug/l	100
66) Styrene	10.110	104	69902	1.743	ug/l	98
67) Bromoform	10.283	173	14102	1.884	ug/l	96
69) Isopropylbenzene	10.476	105	105598	1.809	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	32584	1.919	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	24602m	1.741	ug/l	
72) Bromobenzene	10.775	156	30449	1.858	ug/l	83
73) n-propylbenzene	10.898	120	31463	1.797	ug/l	98
74) 2-Chlorotoluene	10.978	126	30192	1.864	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	102777	1.800	ug/l	100
76) 4-Chlorotoluene	11.090	126	32426	1.911	ug/l	96
77) tert-Butylbenzene	11.412	119	97436	1.817	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	100388	1.780	ug/l	98
79) sec-Butylbenzene	11.634	105	141061	1.857	ug/l	99
80) Nitrobenzene	13.225	77	6524m	9.326	ug/l	
81) p-Isopropyltoluene	11.785	119	105219	1.794	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	65124	1.919	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	65564m	1.863	ug/l	
84) n-Butylbenzene	12.203	91	109491	1.761	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	61559	1.895	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4551	1.949	ug/l	98
87) 1,2,4-Trichlorobenzene	13.836	180	30530	1.686	ug/l	97
88) Hexachlorobutadiene	14.010	225	23048	1.795	ug/l	98
89) Naphthalene	14.087	128	47683	2.039	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	29863	1.658	ug/l	99

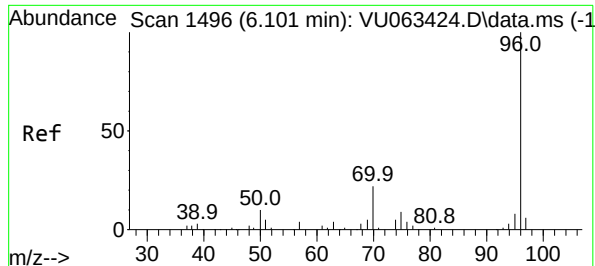
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025





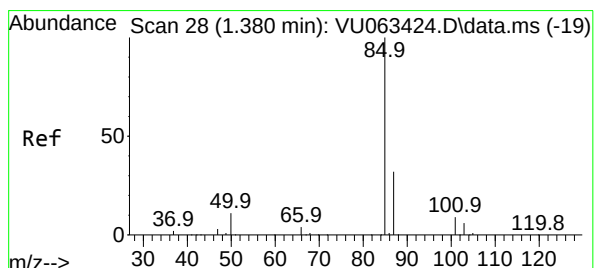
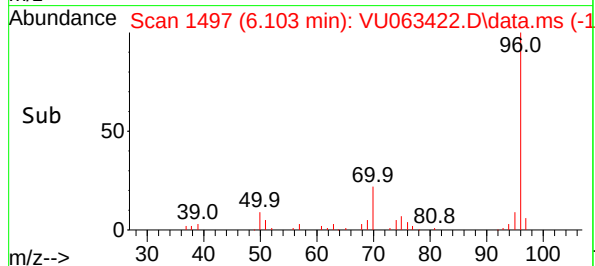
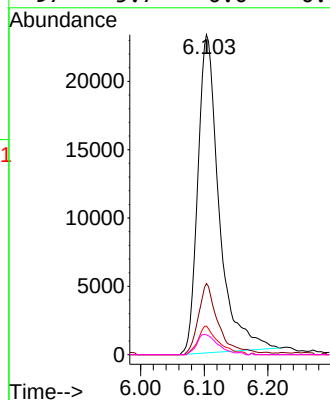
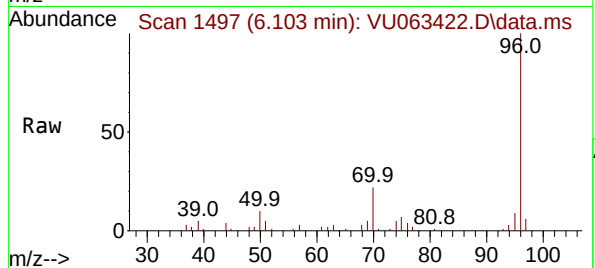
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 96 Resp: 54019
Ion Ratio Lower Upper
96 100
70 20.1 16.4 24.6
95 8.5 6.2 9.2
97 5.7 0.0 0.0#

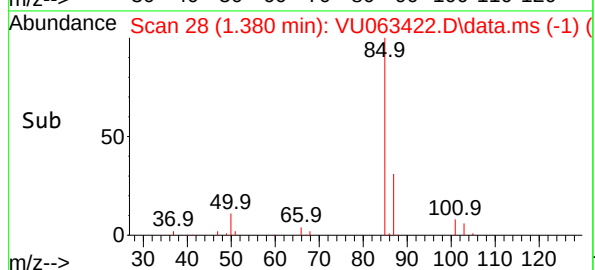
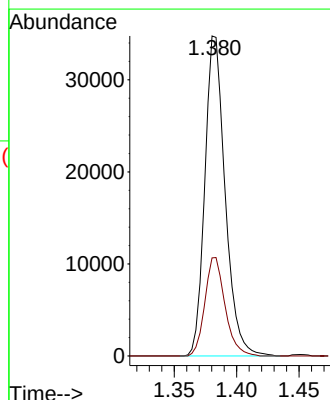
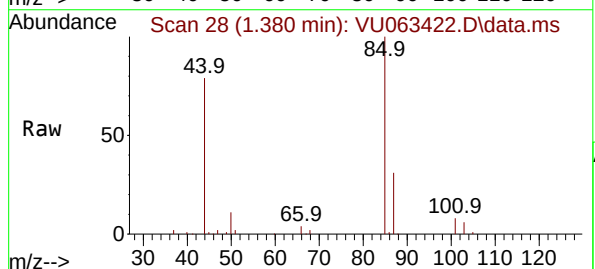
Manual Integrations
APPROVED

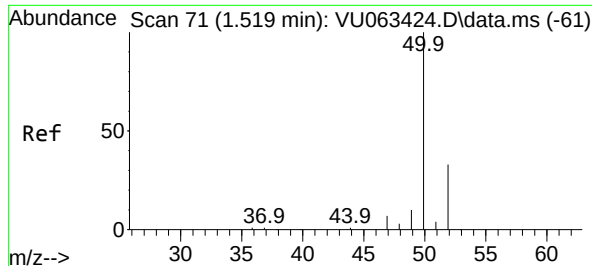
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 1.901 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 85 Resp: 39449
Ion Ratio Lower Upper
85 100
87 30.6 16.2 48.5





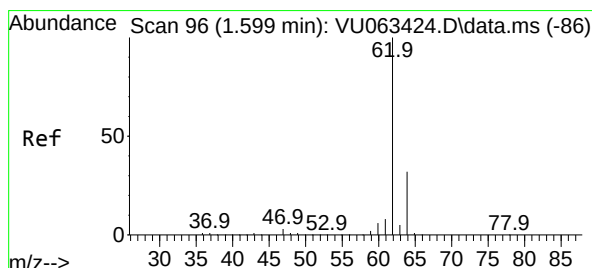
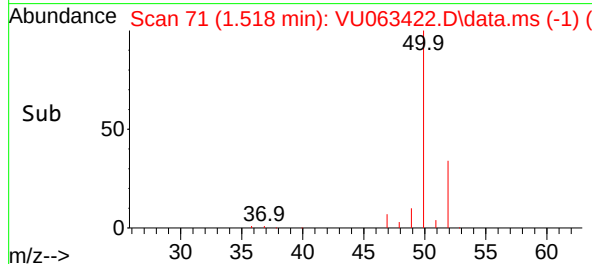
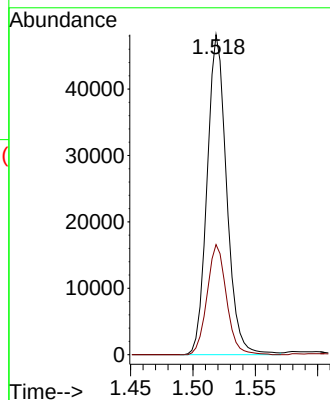
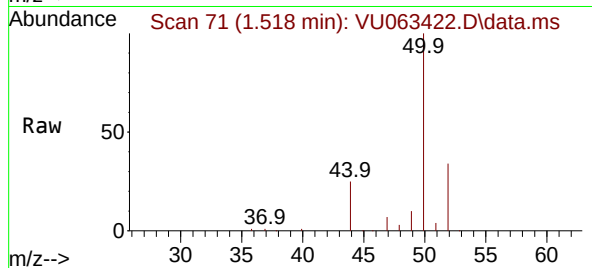
#3
Chloromethane
Concen: 1.924 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 50 Resp: 5259
Ion Ratio Lower Upper
50 100
52 34.4 26.6 40.0

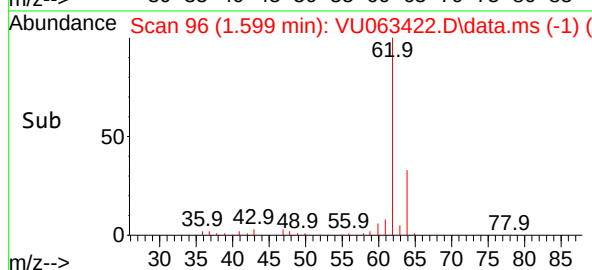
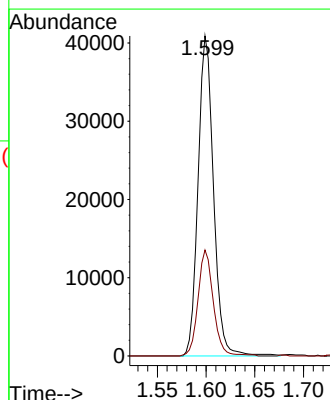
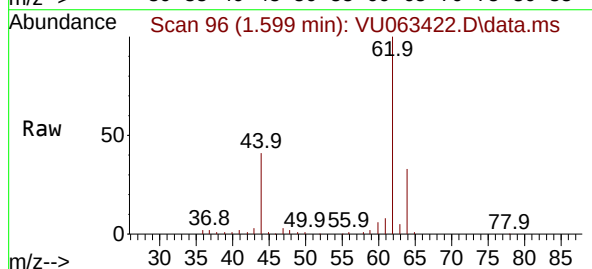
Manual Integrations
APPROVED

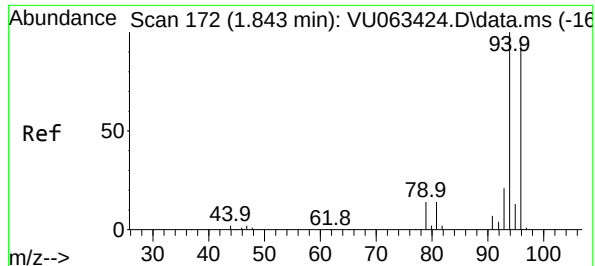
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 1.929 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 62 Resp: 45159
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5





#5
Bromomethane

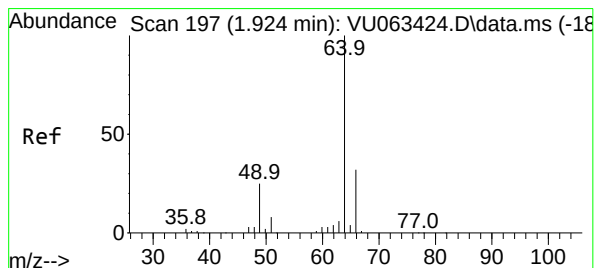
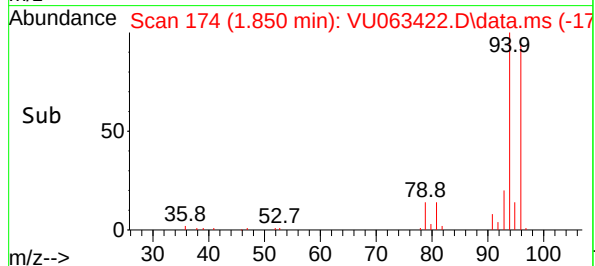
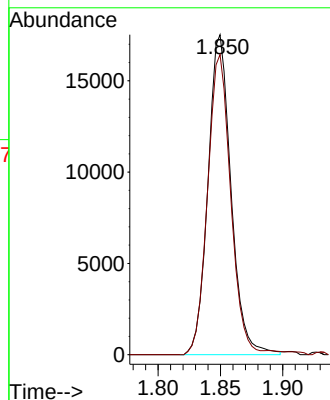
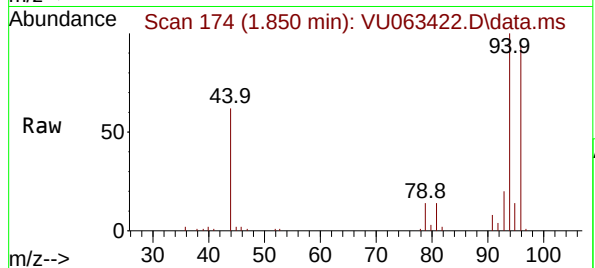
Concen: 2.015 ug/l
RT: 1.850 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 94 Resp: 22589
Ion Ratio Lower Upper
94 100
96 93.8 74.8 112.2

Manual Integrations
APPROVED

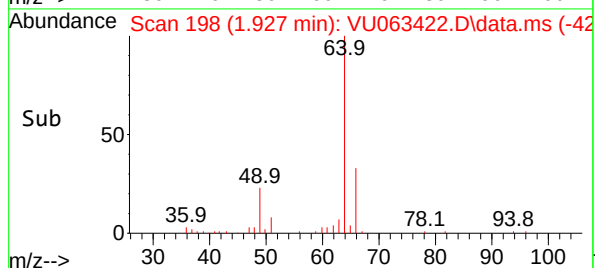
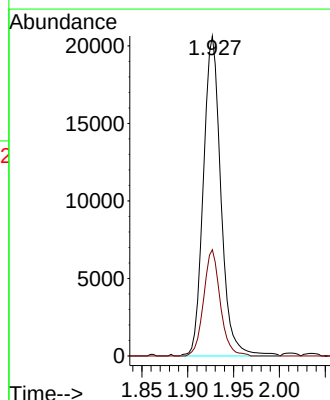
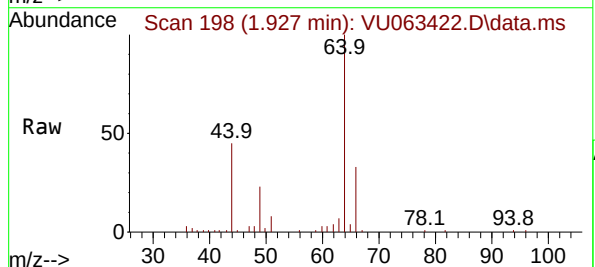
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

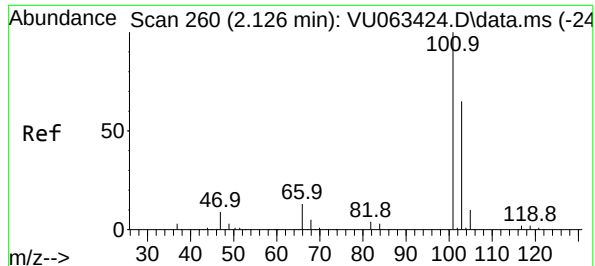


#6

Chloroethane
Concen: 1.982 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 64 Resp: 27477
Ion Ratio Lower Upper
64 100
66 33.2 25.7 38.5





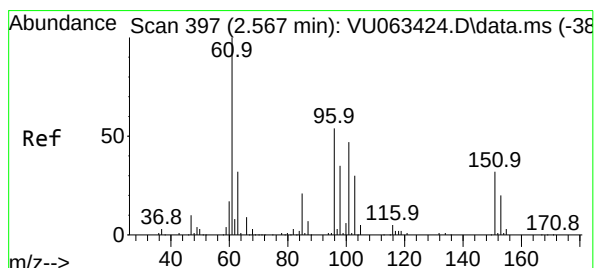
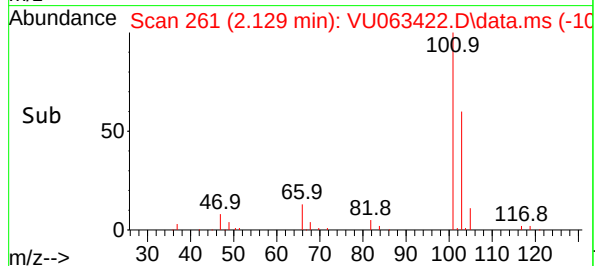
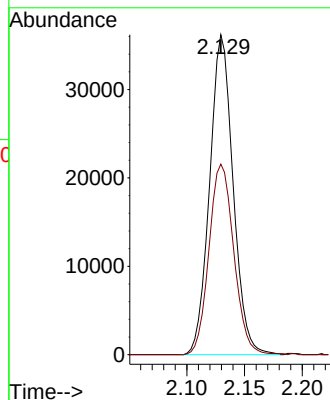
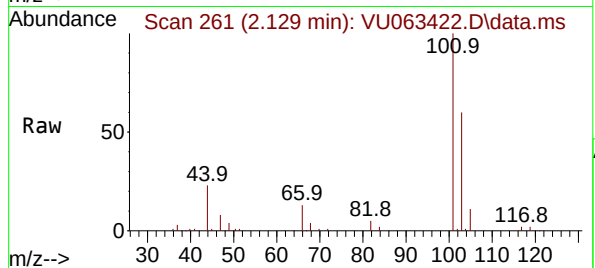
#7
Trichlorofluoromethane
Concen: 1.920 ug/l
RT: 2.129 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 5124
Ion Ratio Lower Upper
101 100
103 59.5 52.3 78.5

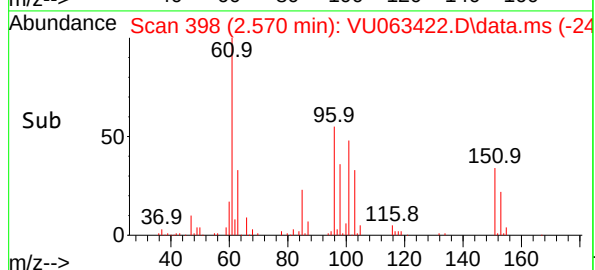
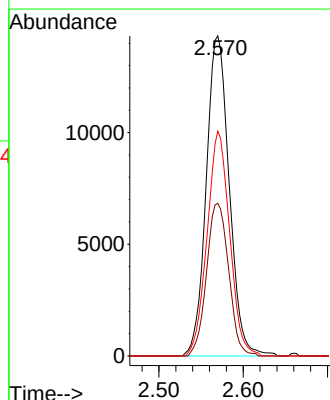
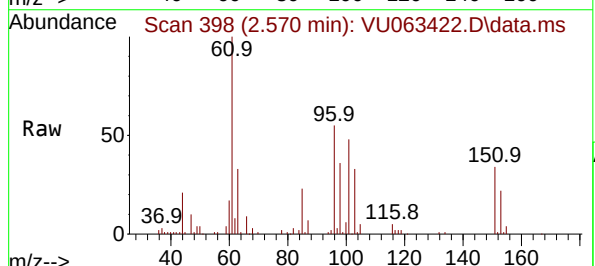
Manual Integrations
APPROVED

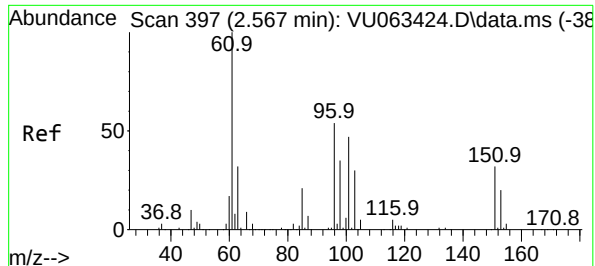
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.915 ug/l
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion:101 Resp: 27218
Ion Ratio Lower Upper
101 100
85 45.8 36.7 55.1
151 68.9 53.9 80.9





#9

1,1-Dichloroethene

Concen: 1.901 ug/l

RT: 2.570 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

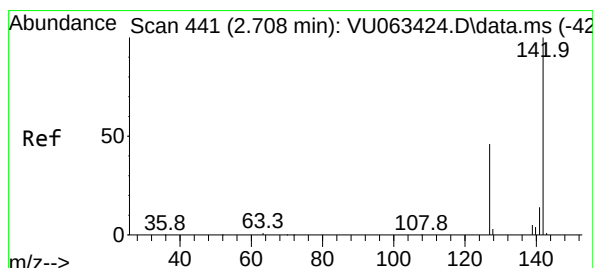
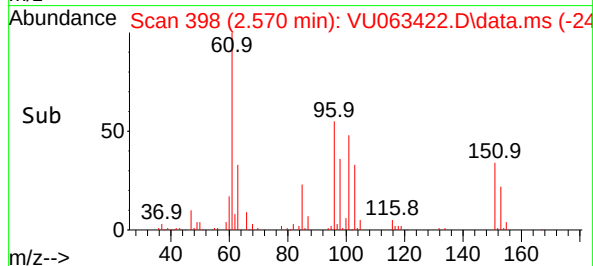
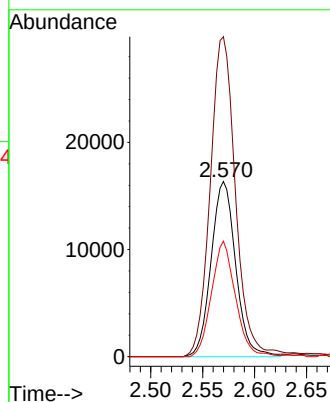
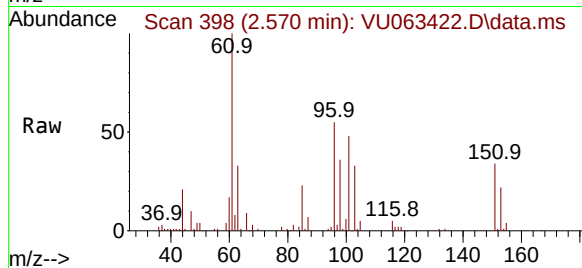
VSTDIC002

Tgt Ion:	96	Resp:	2697
Ion	Ratio	Lower	Upper
96	100		
61	181.7	0.0	552.0
98	65.9	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#10

Iodomethane

Concen: 1.670 ug/l

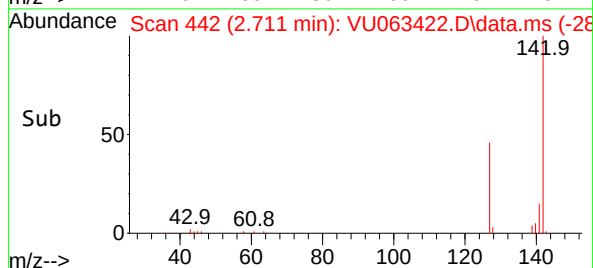
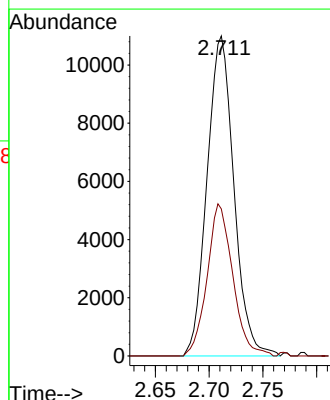
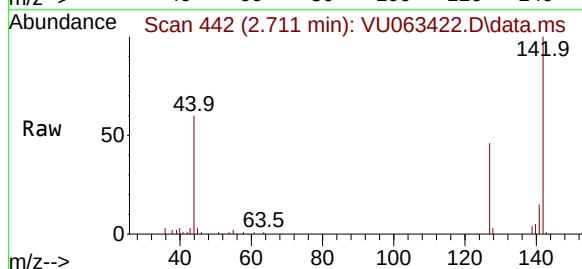
RT: 2.711 min Scan# 442

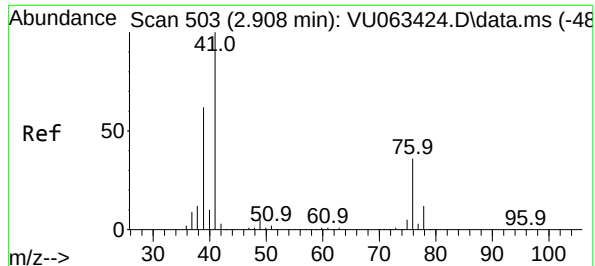
Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	142	Resp:	19116
Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.9	55.3





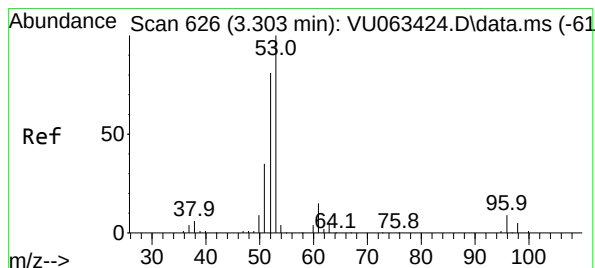
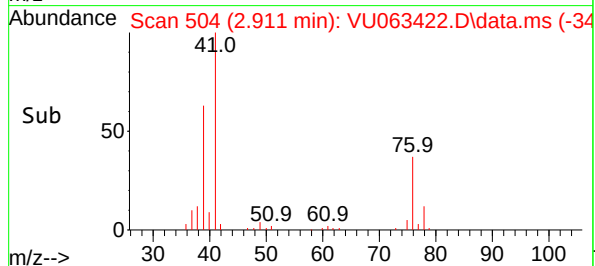
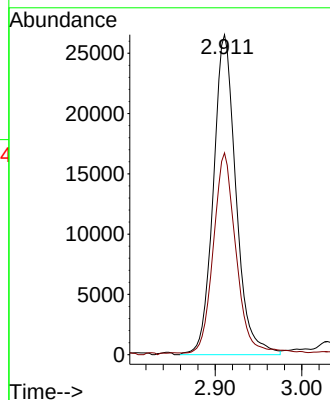
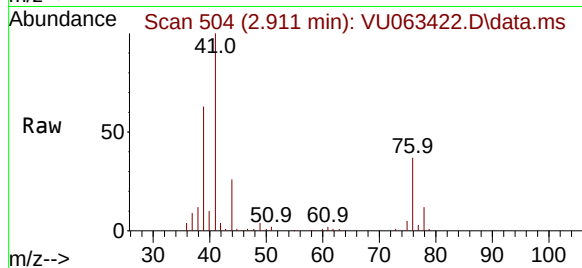
#11
Allyl Chloride
Concen: 1.911 ug/l
RT: 2.911 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 4828
Ion Ratio Lower Upper
41 100
39 62.0 50.3 75.5

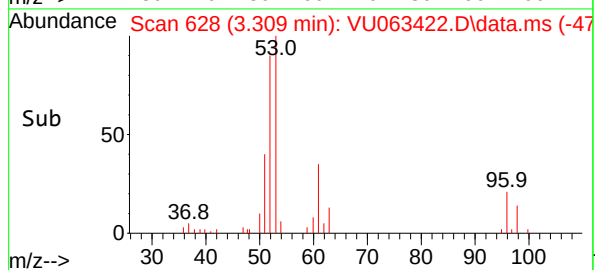
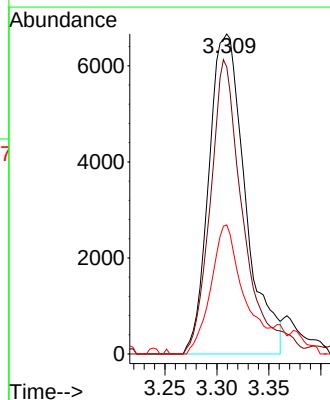
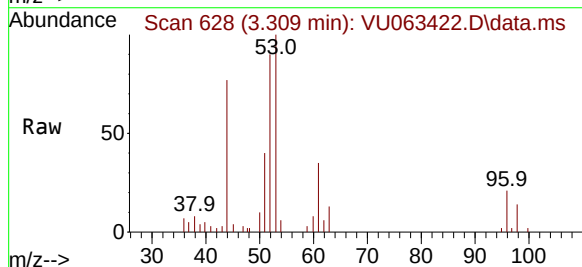
Manual Integrations
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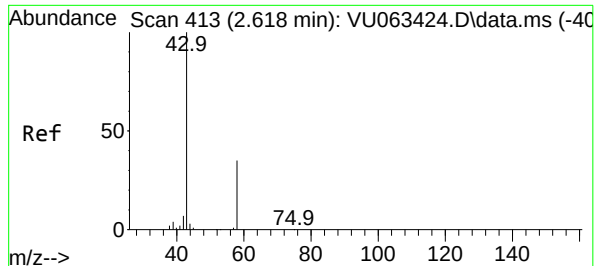
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#12
Acrylonitrile
Concen: 3.969 ug/l
RT: 3.309 min Scan# 628
Delta R.T. 0.006 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 53 Resp: 16265
Ion Ratio Lower Upper
53 100
52 82.7 62.8 94.2
51 35.8 26.2 39.4





#13

Acetone

Concen: 8.163 ug/l

RT: 2.618 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 43 Resp: 29479

Ion Ratio Lower Upper

43 100

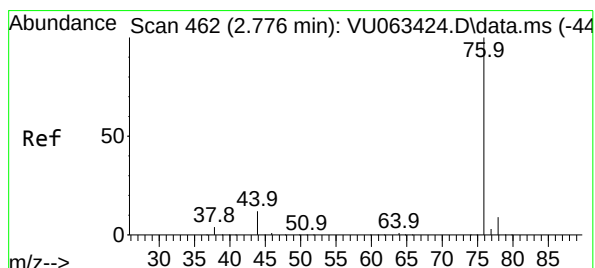
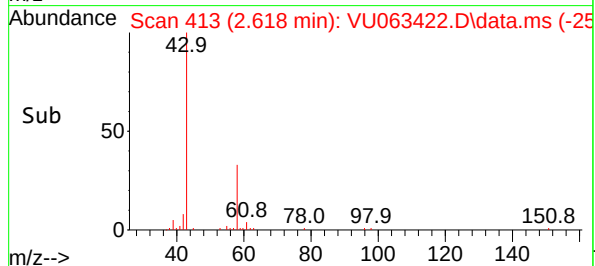
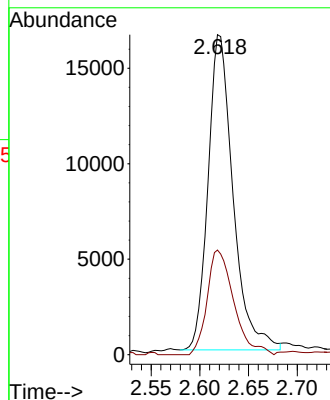
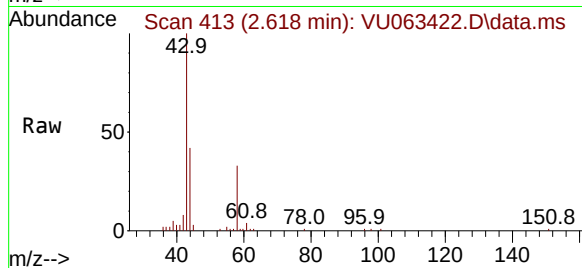
58 33.2 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 1.916 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063422.D

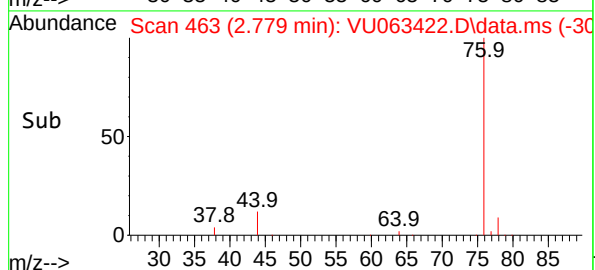
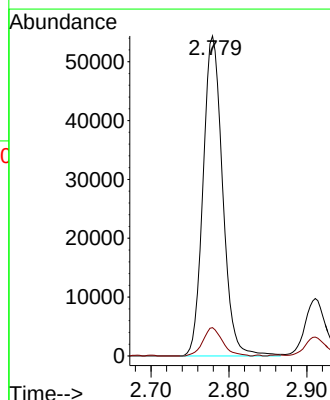
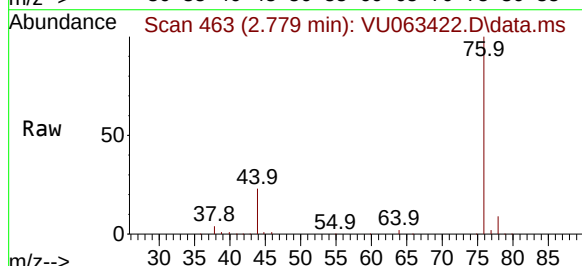
Acq: 23 Jun 2025 11:08

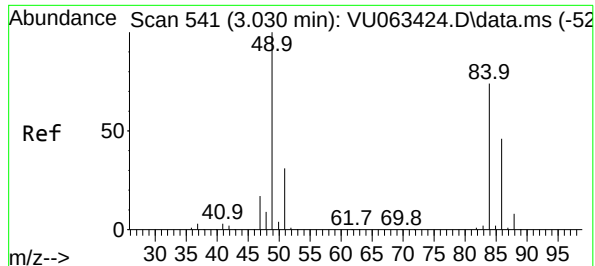
Tgt Ion: 76 Resp: 94789

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3





#15

Methylene Chloride

Concen: 1.858 ug/l

RT: 3.030 min Scan# 541

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 84 Resp: 3340

Ion Ratio Lower Upper

84 100

49 129.3 108.7 163.1

51 42.5 0.0 83.8

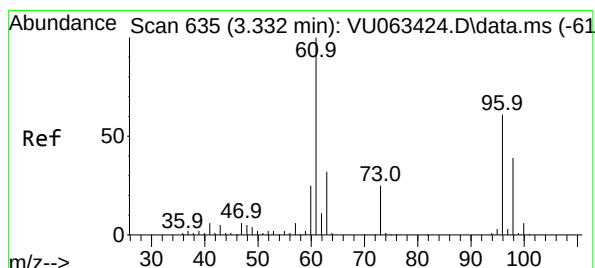
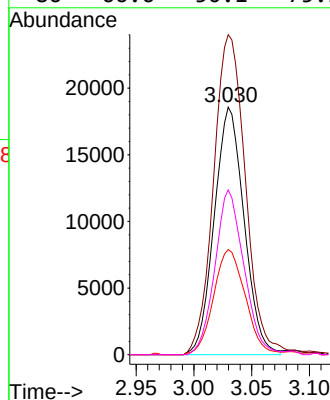
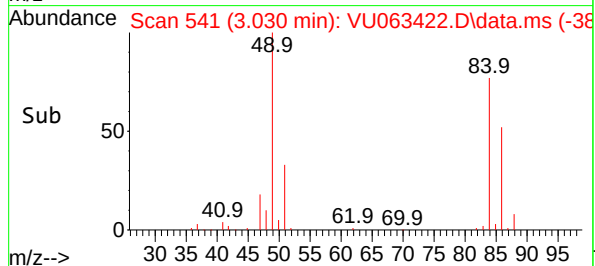
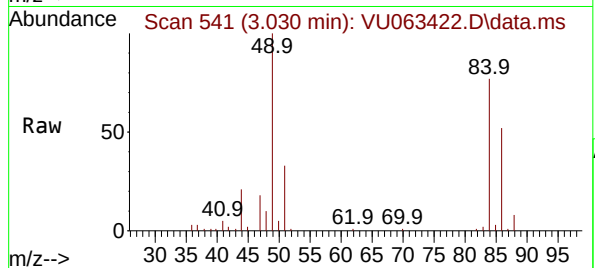
86 66.6 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#16

trans-1,2-Dichloroethene

Concen: 1.848 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

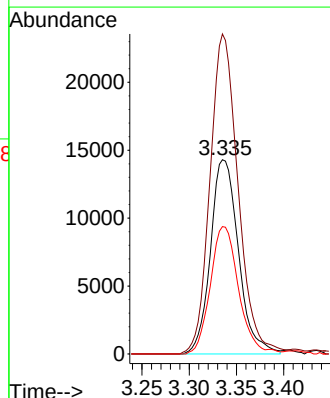
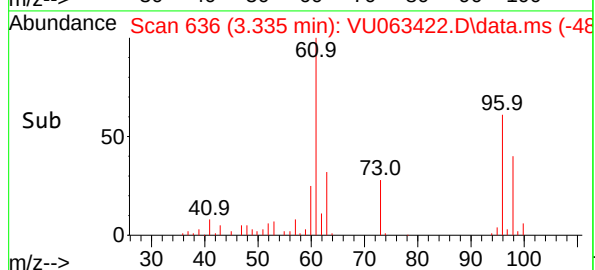
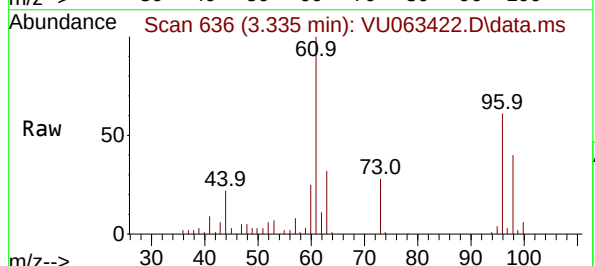
Tgt Ion: 96 Resp: 29488

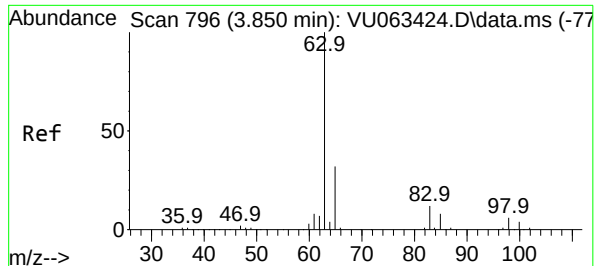
Ion Ratio Lower Upper

96 100

61 164.7 132.1 198.1

98 65.5 51.0 76.4





#17

1,1-Dichloroethane

Concen: 1.922 ug/l

RT: 3.850 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

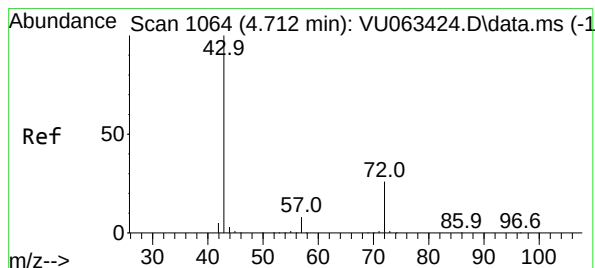
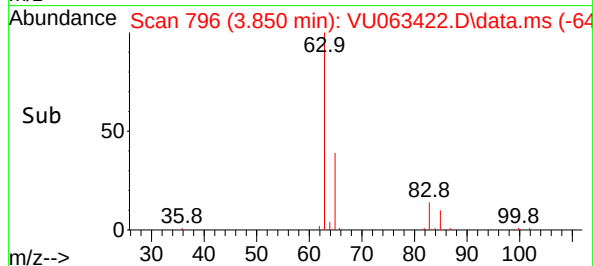
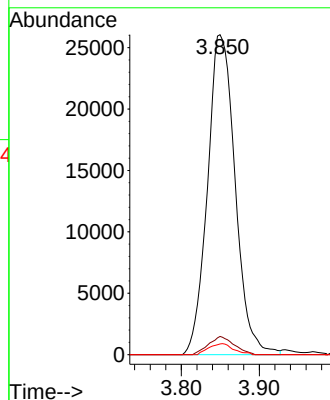
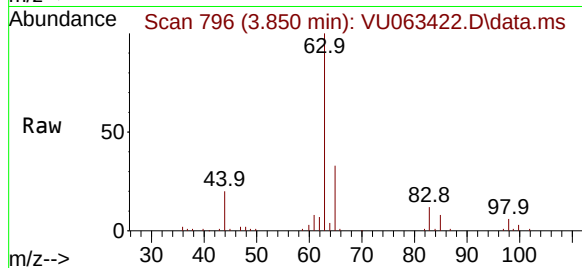
ClientSampleId :

VSTDIC002

Tgt Ion:	63	Resp:	64418
Ion Ratio	Lower	Upper	
63	100		
98	5.7	2.8	8.4
100	3.3	1.9	5.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 8.649 ug/l

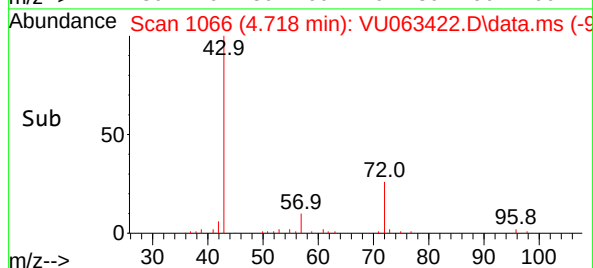
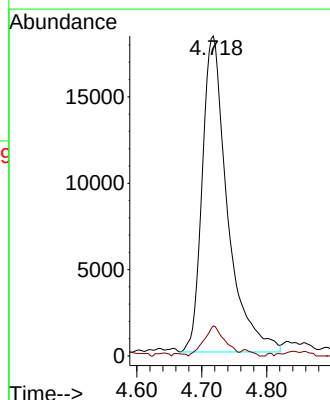
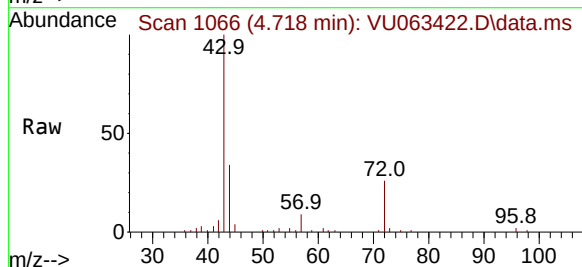
RT: 4.718 min Scan# 1066

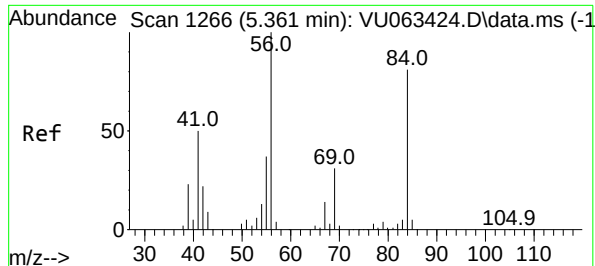
Delta R.T. 0.006 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	43	Resp:	49464
Ion Ratio	Lower	Upper	
43	100		
57	8.9	0.0	16.0





#19

Cyclohexane

Concen: 1.892 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 56 Resp: 47969

Ion Ratio Lower Upper

56 100

69 32.9 26.4 39.6

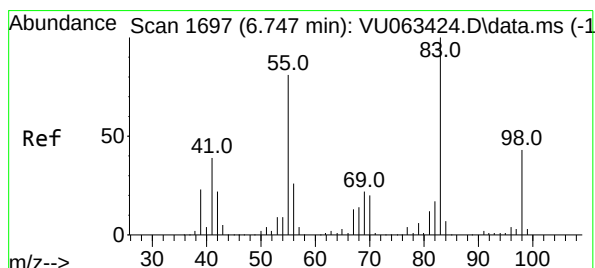
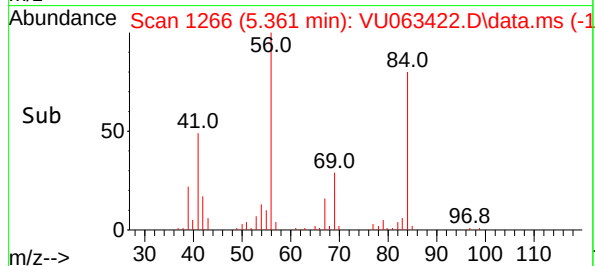
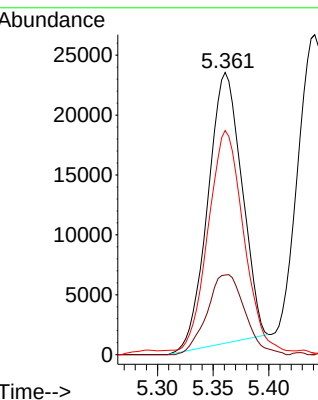
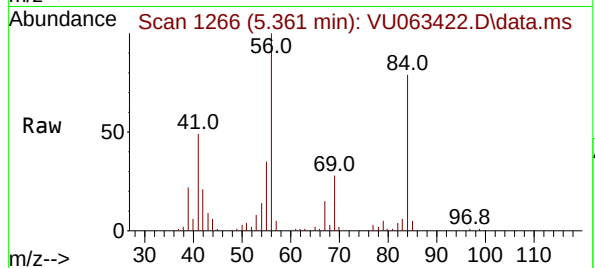
84 83.5 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 1.770 ug/l m

RT: 6.747 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

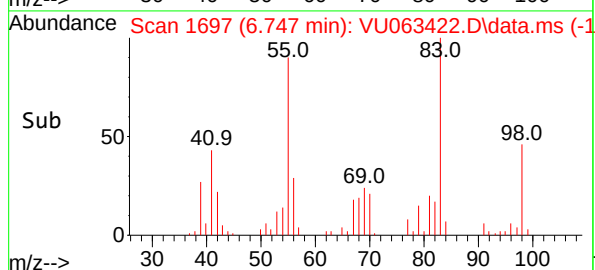
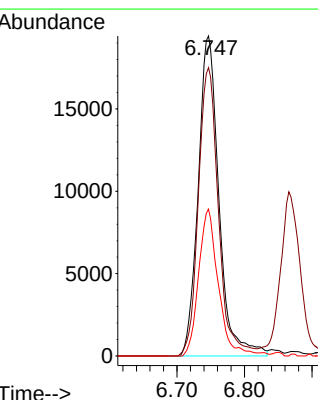
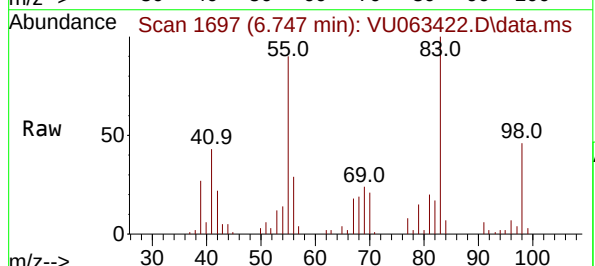
Tgt Ion: 83 Resp: 41454

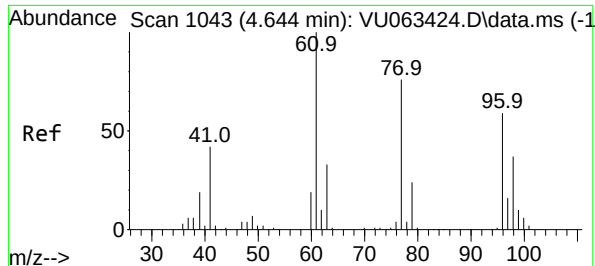
Ion Ratio Lower Upper

83 100

55 83.5 63.5 95.3

98 41.9 34.2 51.4





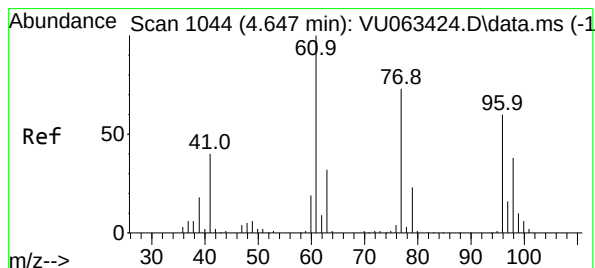
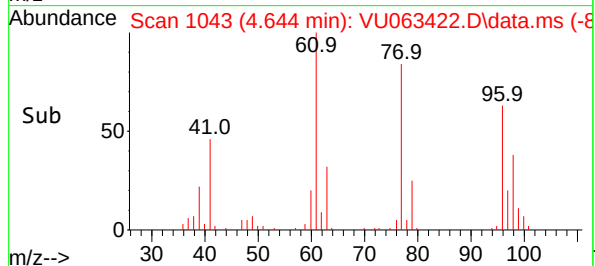
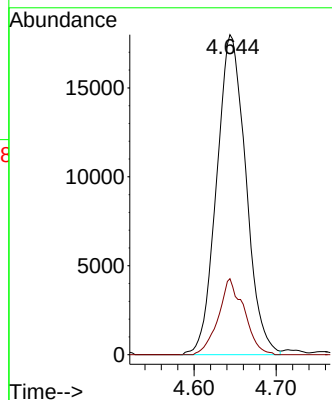
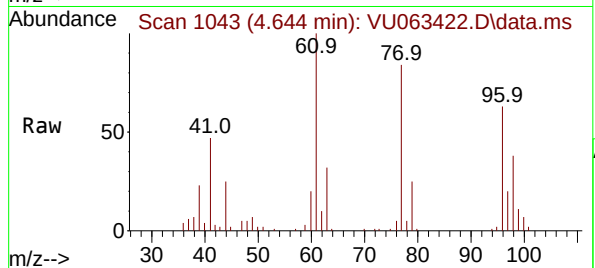
#21
2,2-Dichloropropane
Concen: 1.871 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 77 Resp: 44558
Ion Ratio Lower Upper
77 100
97 21.0 17.2 25.8

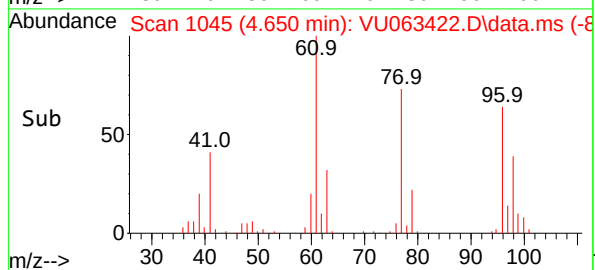
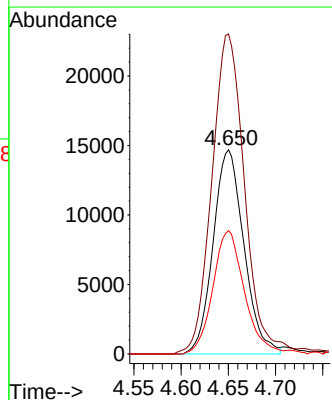
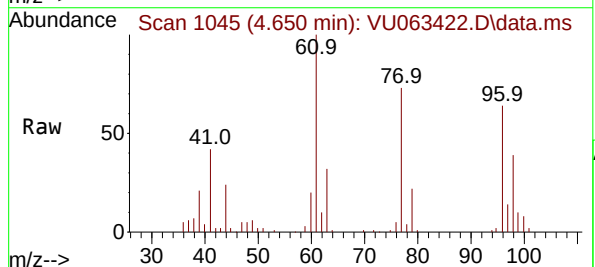
Manual Integrations
APPROVED

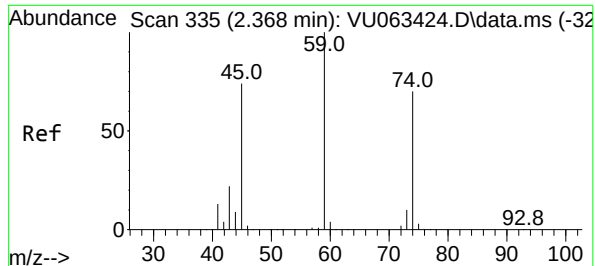
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#22
cis-1,2-Dichloroethene
Concen: 1.913 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 96 Resp: 33319
Ion Ratio Lower Upper
96 100
61 165.8 0.0 434.3
98 61.5 31.9 95.7





#23

Diethyl Ether

Concen: 1.991 ug/l

RT: 2.371 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 2548

Ion Ratio Lower Upper

59 100

45 69.7 60.7 91.1

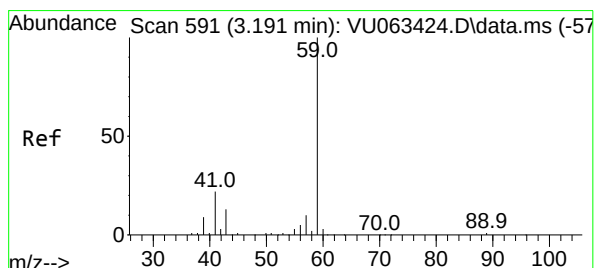
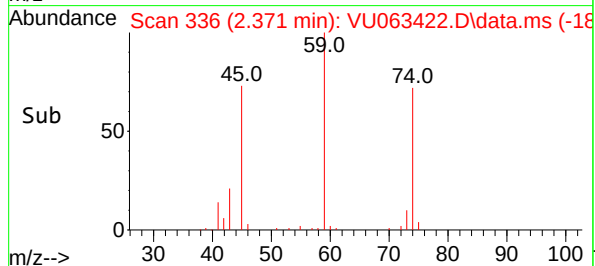
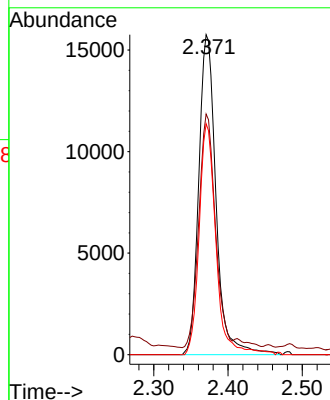
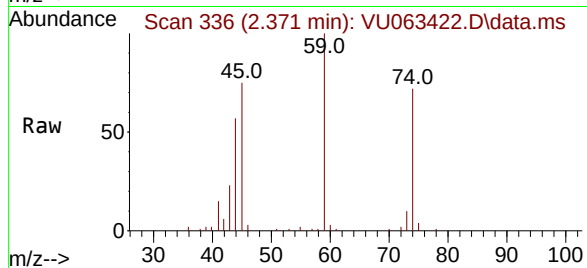
74 70.3 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#24

tert-Butyl Alcohol

Concen: 19.715 ug/l

RT: 3.194 min Scan# 592

Delta R.T. 0.003 min

Lab File: VU063422.D

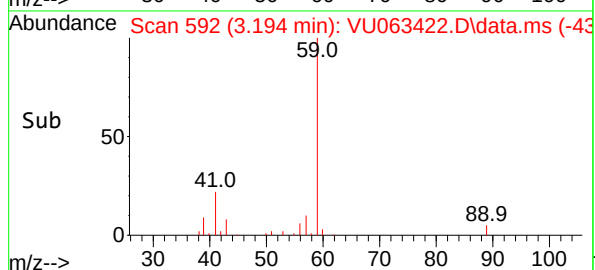
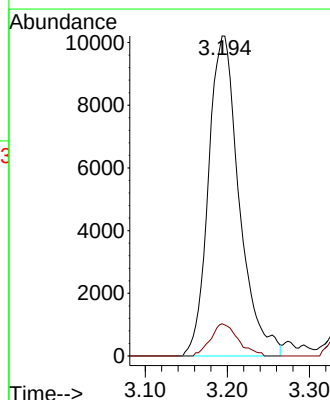
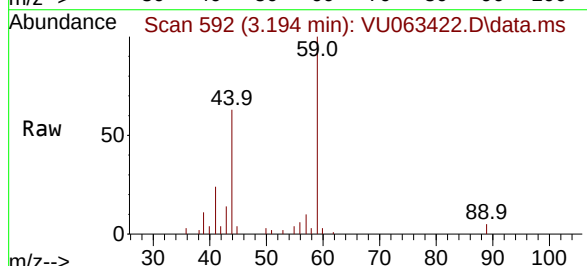
Acq: 23 Jun 2025 11:08

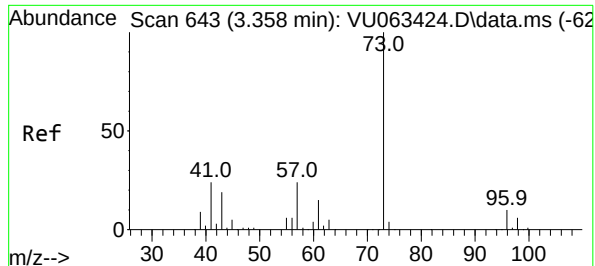
Tgt Ion: 59 Resp: 26580

Ion Ratio Lower Upper

59 100

57 9.0 7.8 11.8





#25

Methyl tert-Butyl Ether

Concen: 1.890 ug/l

RT: 3.361 min Scan# 64

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 73 Resp: 72920

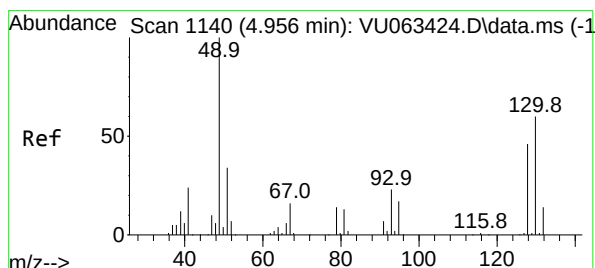
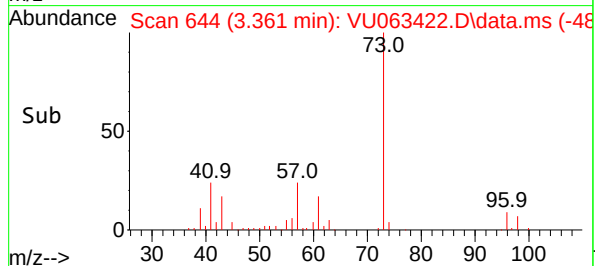
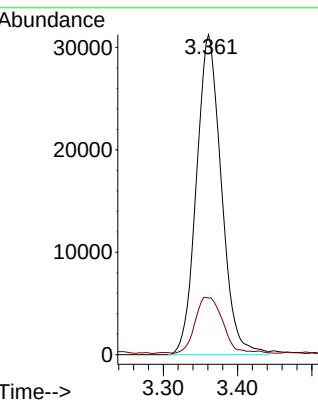
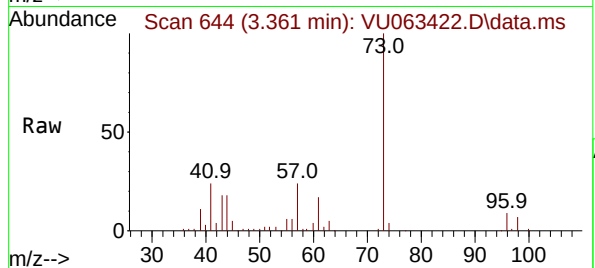
Ion Ratio Lower Upper

73 100

43 19.1 15.1 22.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#26

Bromochloromethane

Concen: 1.874 ug/l

RT: 4.959 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

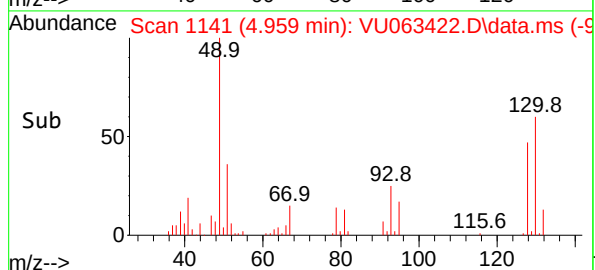
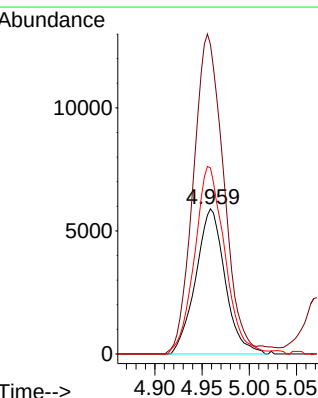
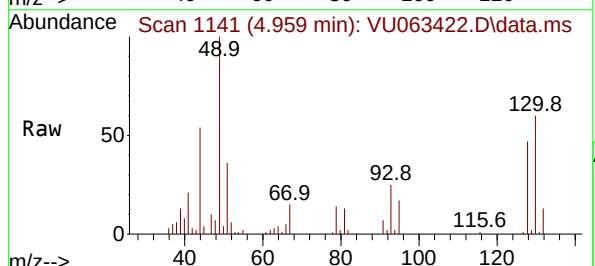
Tgt Ion:128 Resp: 12706

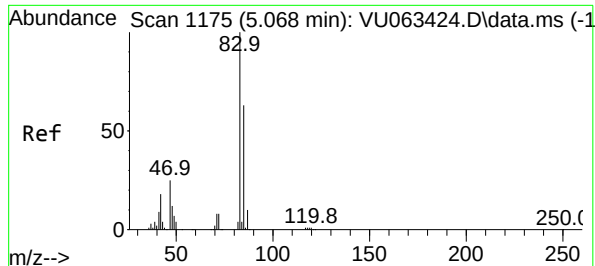
Ion Ratio Lower Upper

128 100

49 230.2 0.0 441.2

130 133.2 102.3 153.5





#27

Chloroform

Concen: 1.910 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 6000

Ion Ratio Lower Upper

83 100

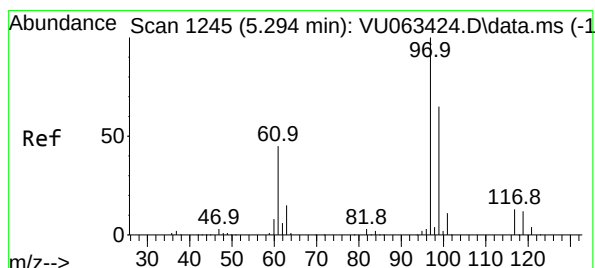
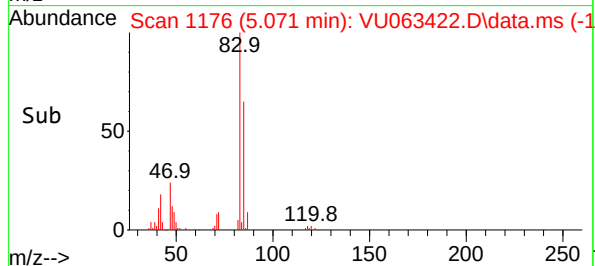
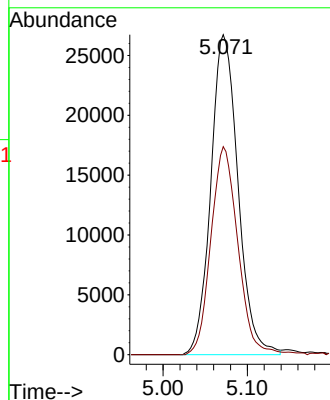
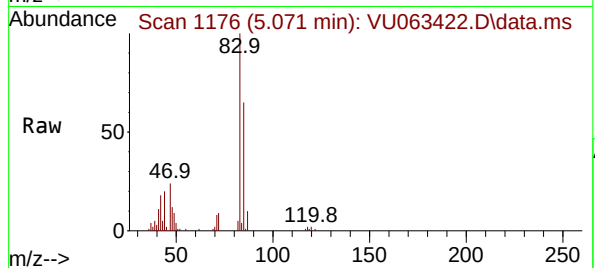
85 65.0 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 1.868 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

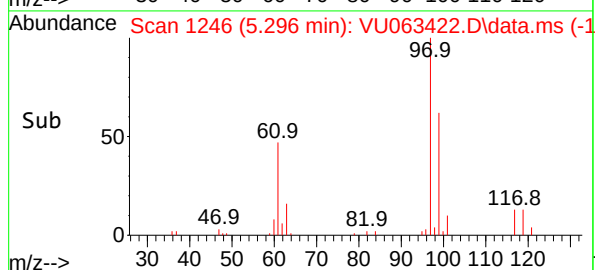
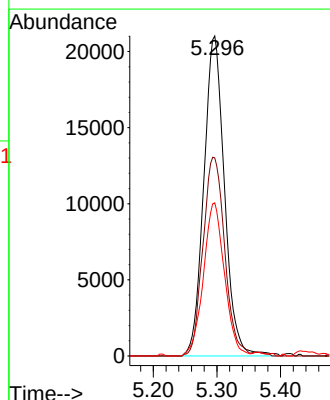
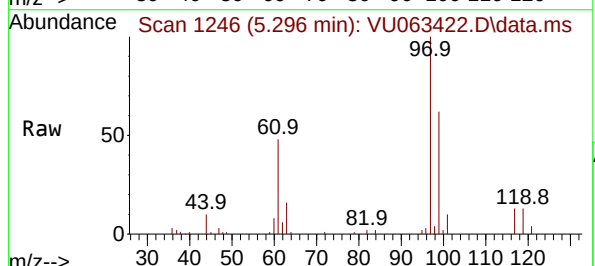
Tgt Ion: 97 Resp: 47577

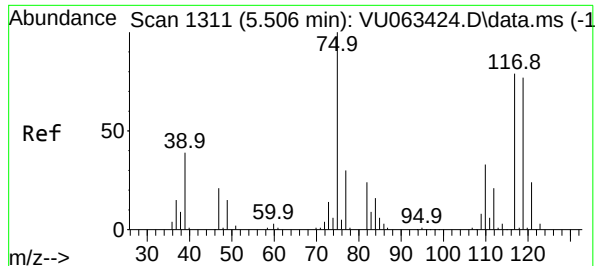
Ion Ratio Lower Upper

97 100

99 65.1 31.9 95.5

61 48.6 22.9 68.7





#29

1,1-Dichloropropene

Concen: 1.874 ug/l

RT: 5.505 min Scan# 11

Delta R.T. -0.001 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

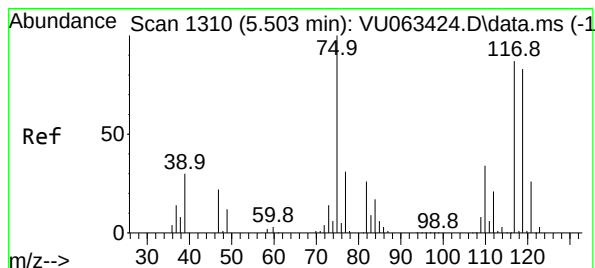
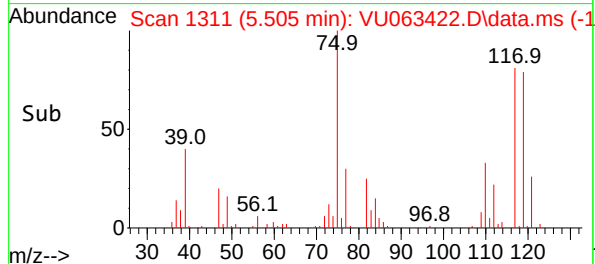
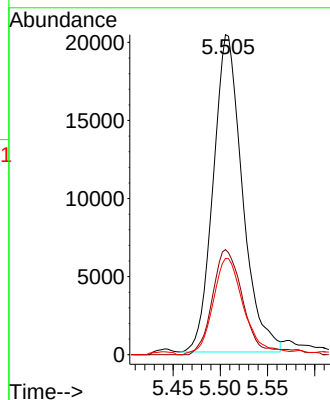
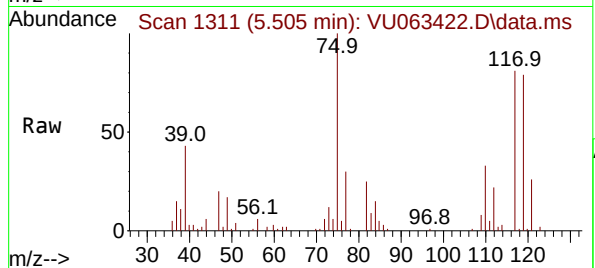
ClientSampleId :

VSTDIC002

Tgt Ion:	75	Resp:	43614
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	32.0	25.4	38.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 1.914 ug/l

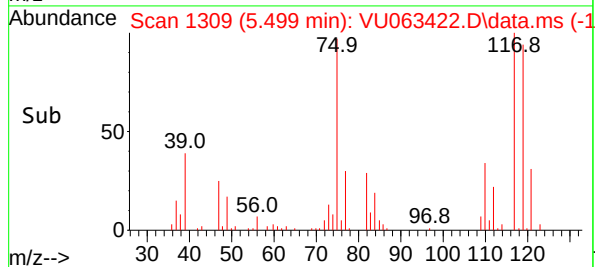
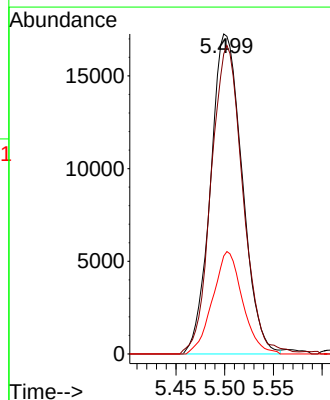
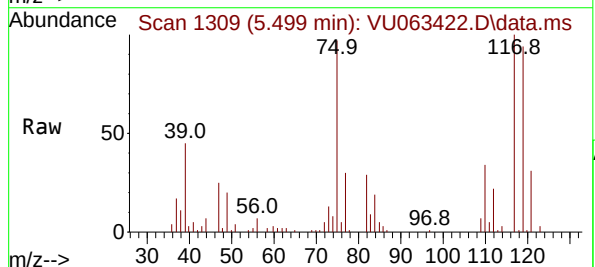
RT: 5.499 min Scan# 1309

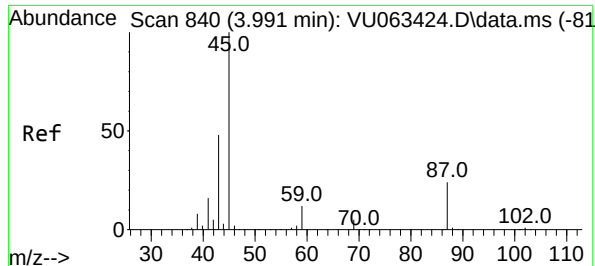
Delta R.T. -0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	117	Resp:	38934
Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.7	115.1
121	30.6	24.3	36.5





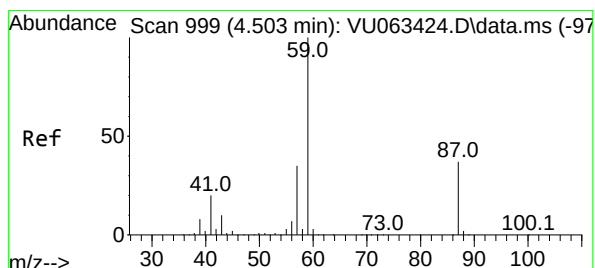
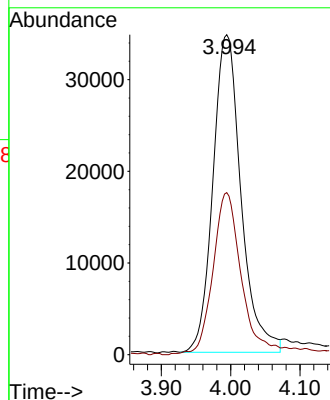
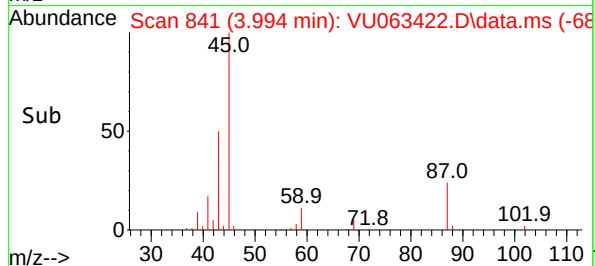
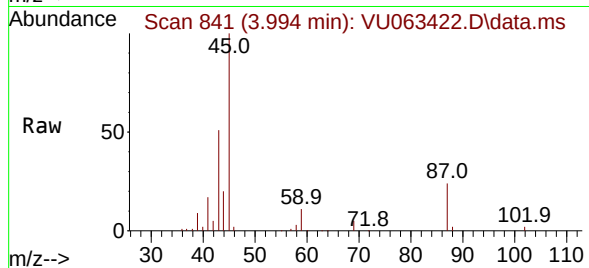
#31
Isopropyl Ether
Concen: 1.854 ug/l
RT: 3.994 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 97608
Ion Ratio Lower Upper
45 100
43 51.4 23.8 71.5

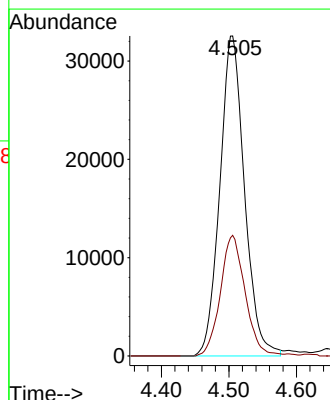
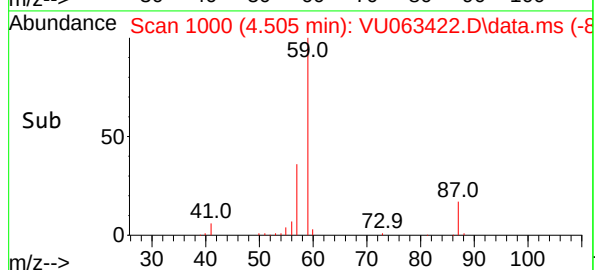
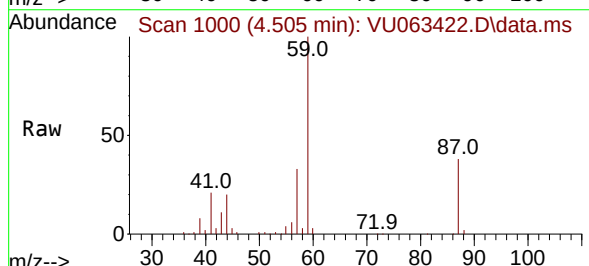
Manual Integrations
APPROVED

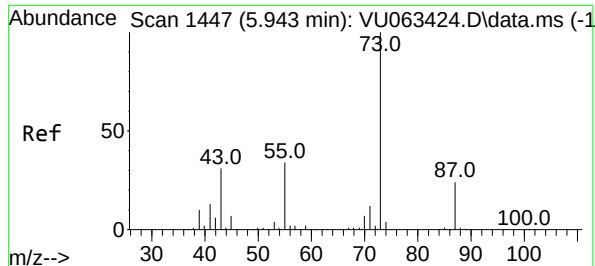
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 1.862 ug/l m
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 59 Resp: 82596
Ion Ratio Lower Upper
59 100
87 36.9 29.9 44.9





#33

Tert-Amyl methyl ether

Concen: 1.810 ug/l m

RT: 5.943 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 73 Resp: 57389

Ion Ratio Lower Upper

73 100

87 22.4 18.1 27.1

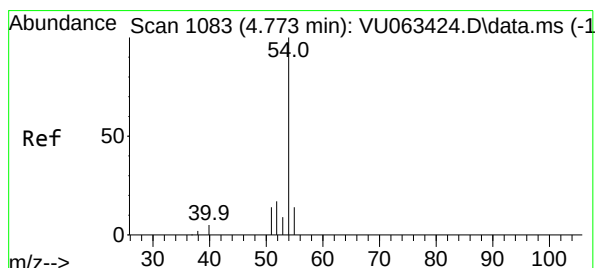
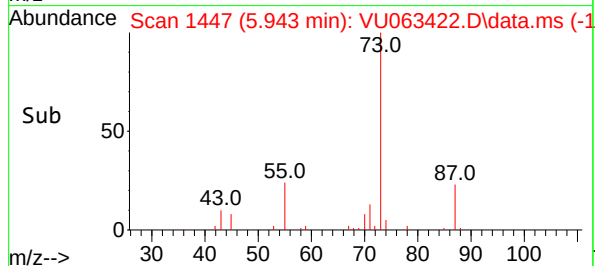
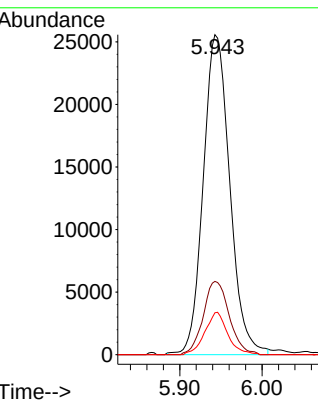
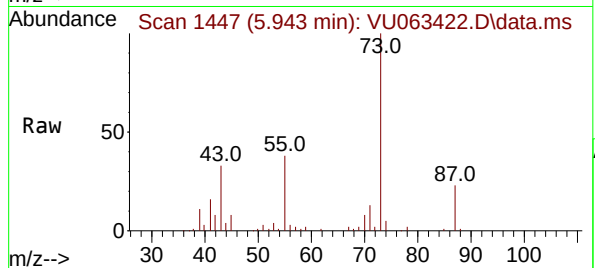
71 11.4 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#34

Propionitrile

Concen: 9.928 ug/l

RT: 4.779 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion: 54 Resp: 16424

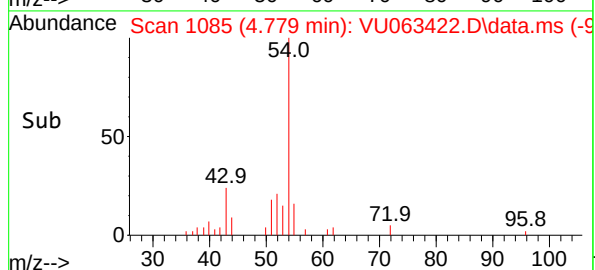
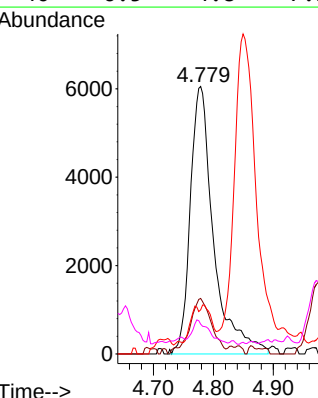
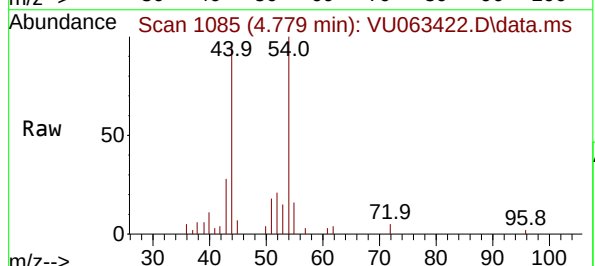
Ion Ratio Lower Upper

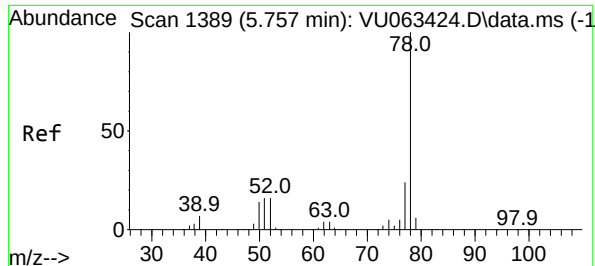
54 100

52 19.2 14.8 22.2

55 4.9 12.2 18.2

40 6.5 4.8 7.2





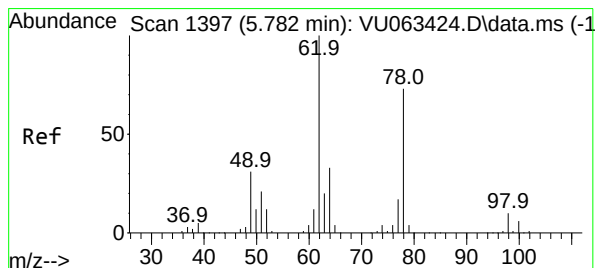
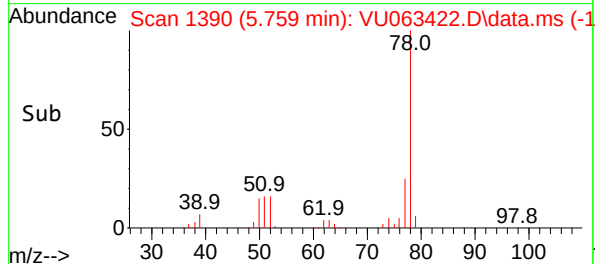
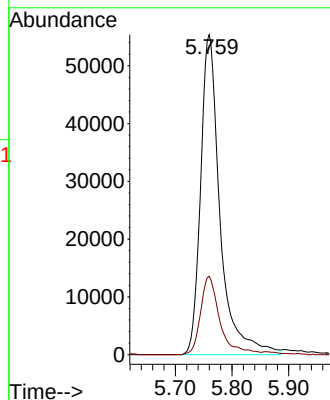
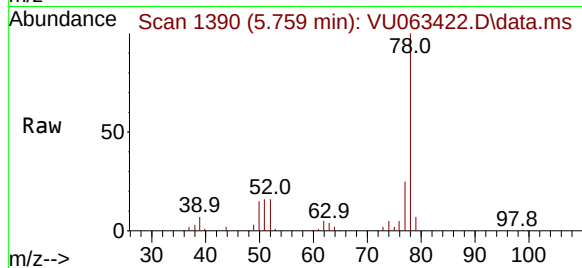
#35
Benzene
Concen: 1.873 ug/l
RT: 5.759 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 78 Resp: 13181
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.2

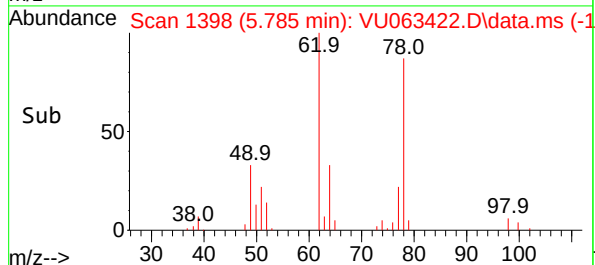
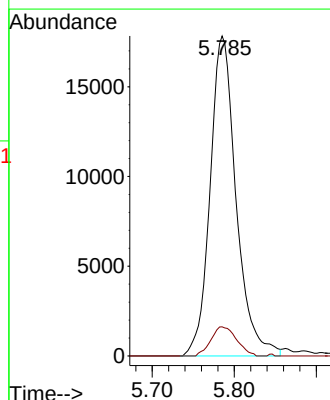
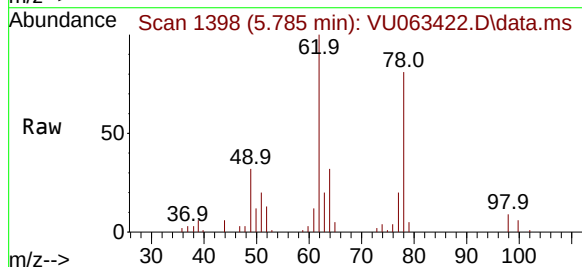
Manual Integrations
APPROVED

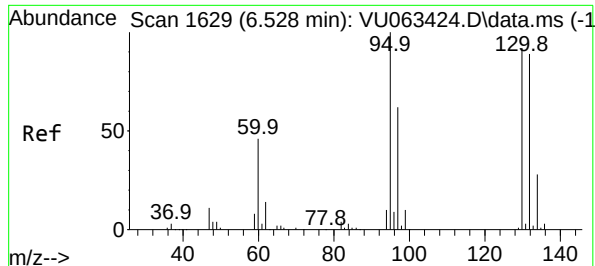
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 1.913 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 62 Resp: 39373
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7





#37

Trichloroethene

Concen: 1.910 ug/l

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:130 Resp: 31770

Ion Ratio Lower Upper

130 100

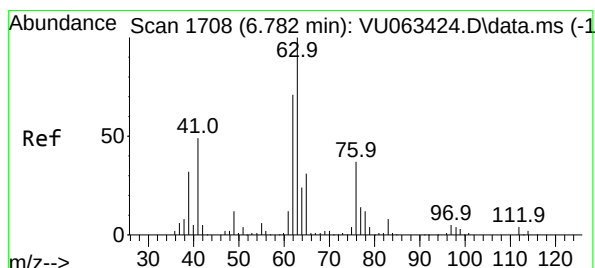
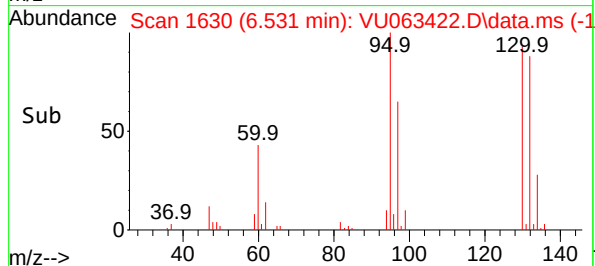
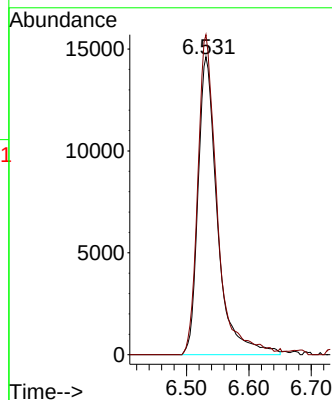
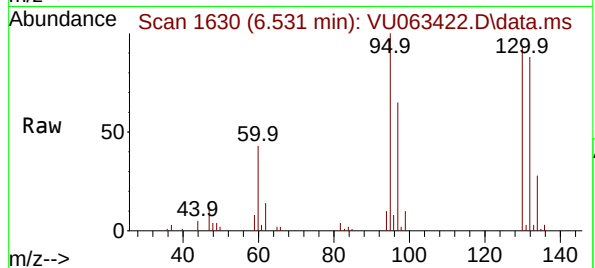
95 107.4 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 1.857 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VU063422.D

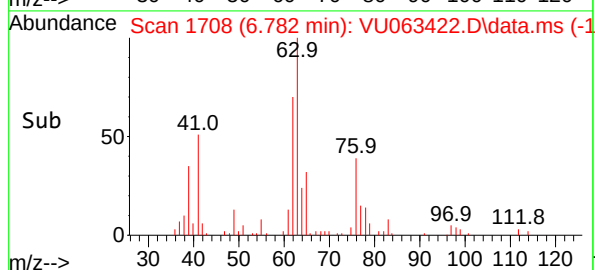
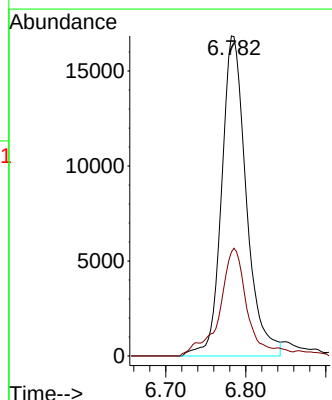
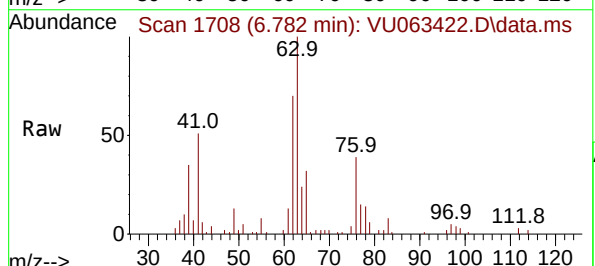
Acq: 23 Jun 2025 11:08

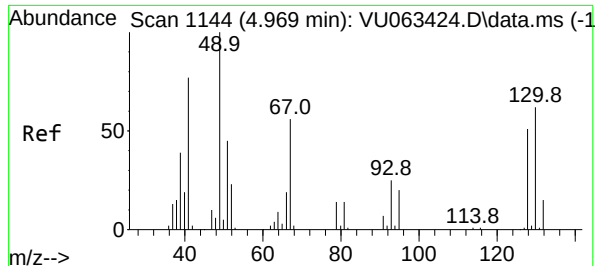
Tgt Ion: 63 Resp: 36094

Ion Ratio Lower Upper

63 100

65 32.5 25.0 37.6





#39

Methacrylonitrile

Concen: 1.695 ug/l

RT: 4.978 min Scan# 1144

Delta R.T. 0.009 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 1166

Ion Ratio Lower Upper

41 100

67 74.4 59.8 89.8

39 58.4 40.7 61.1

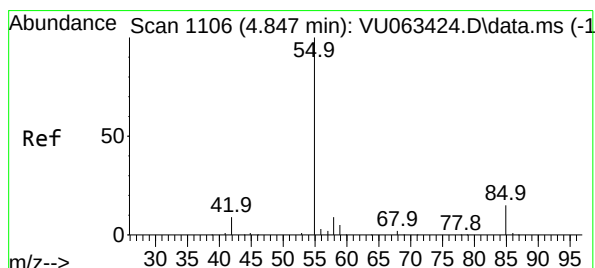
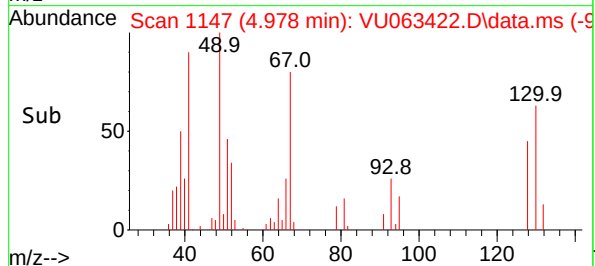
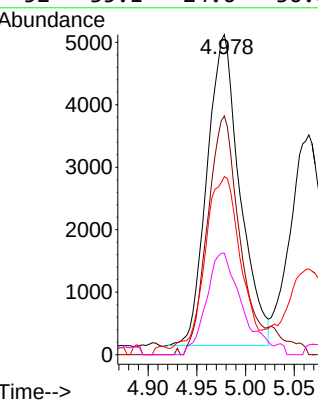
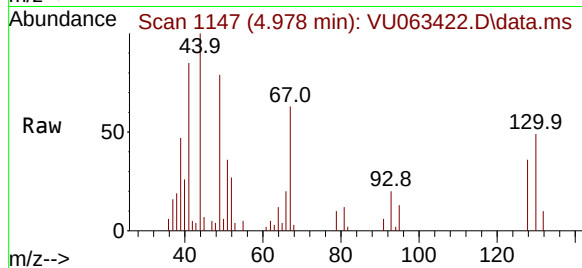
52 35.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 1.626 ug/l

RT: 4.850 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion: 55 Resp: 15749

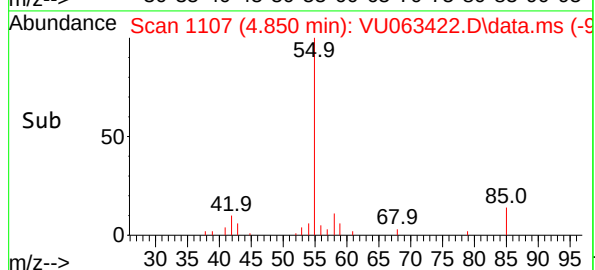
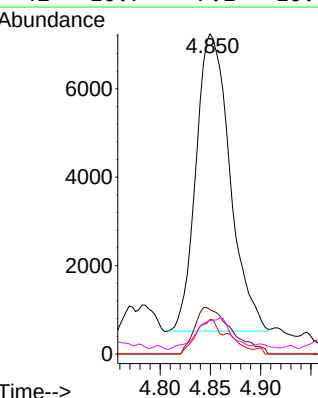
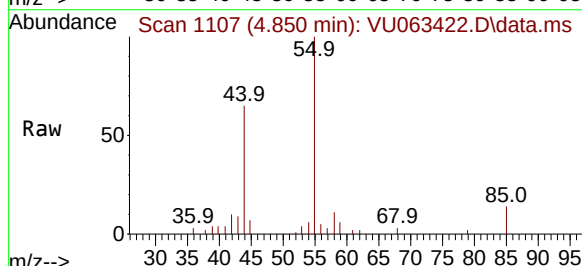
Ion Ratio Lower Upper

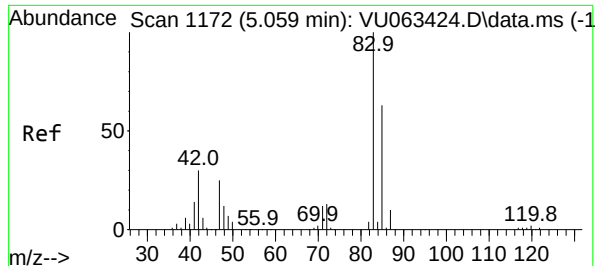
55 100

85 17.1 12.6 19.0

58 7.9 6.9 10.3

42 10.7 7.1 10.7#





#41

Tetrahydrofuran

Concen: 3.519 ug/l

RT: 5.062 min Scan# 1173

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

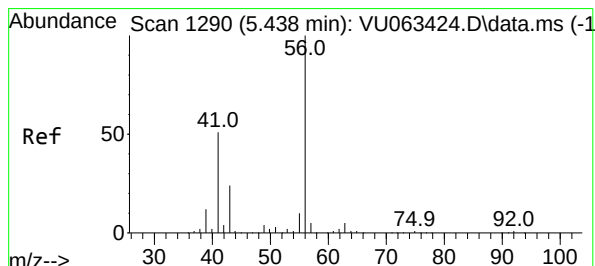
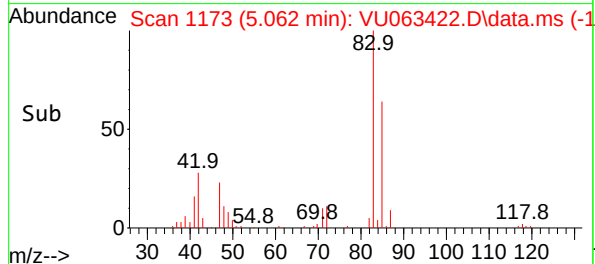
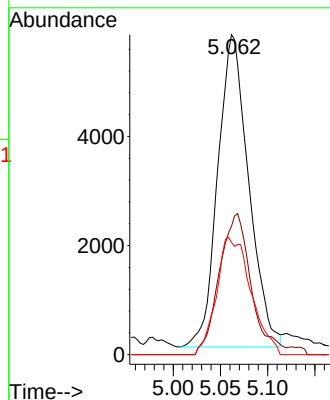
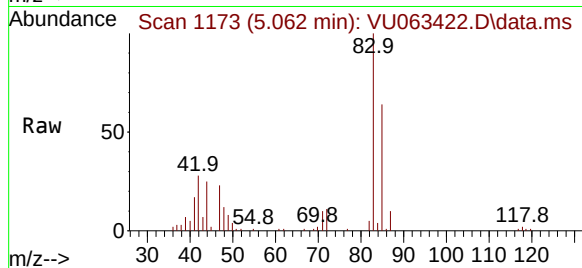
VSTDICC002

Tgt Ion:	42	Resp:	13030
Ion	Ratio	Lower	Upper
42	100		
72	46.5	35.4	53.2
71	41.7	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 1.868 ug/l m

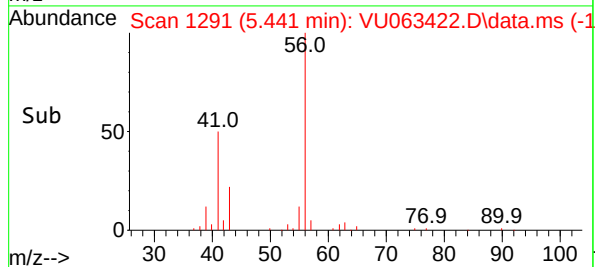
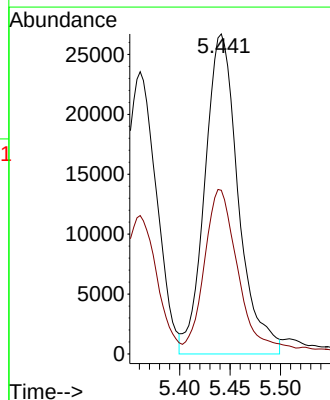
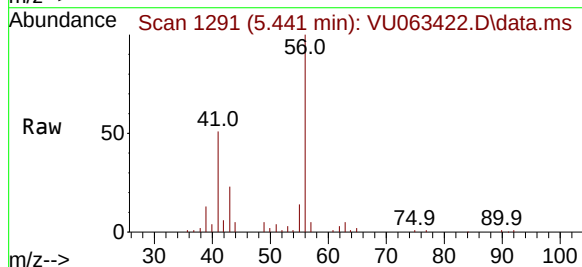
RT: 5.441 min Scan# 1291

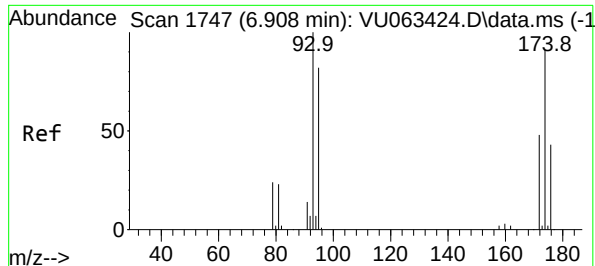
Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	56	Resp:	61671
Ion	Ratio	Lower	Upper
56	100		
41	48.8	26.4	79.0





#43

Dibromomethane

Concen: 1.850 ug/l

RT: 6.914 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 93 Resp: 16800

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

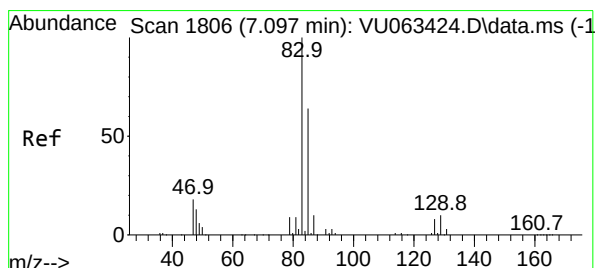
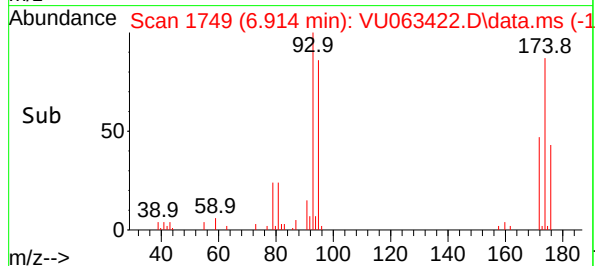
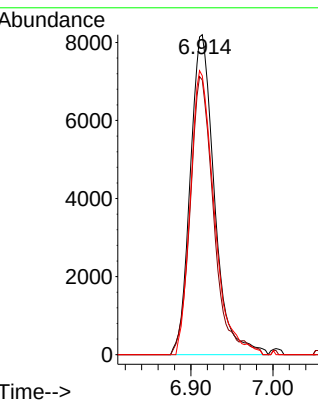
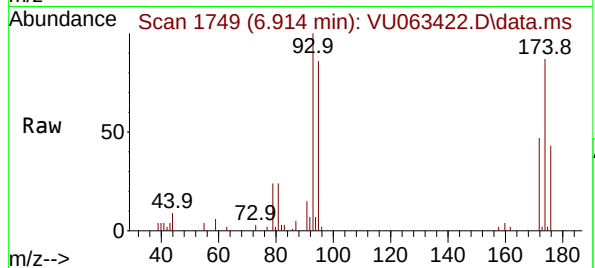
174 87.8 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 1.919 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

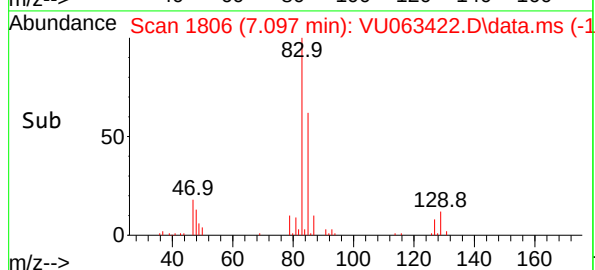
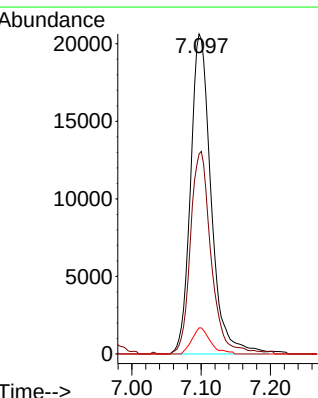
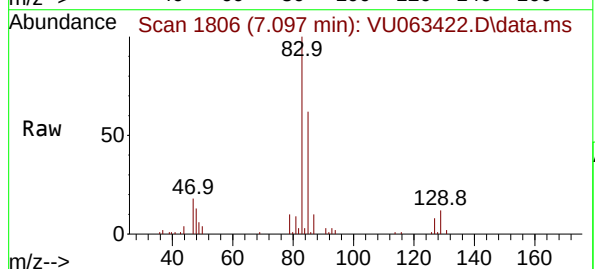
Tgt Ion: 83 Resp: 42462

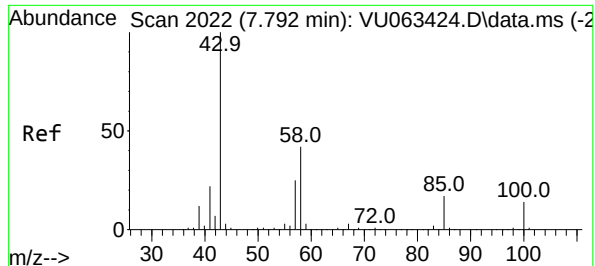
Ion Ratio Lower Upper

83 100

85 62.5 51.4 77.2

127 8.1 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 9.105 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.006 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 8876

Ion Ratio Lower Upper

43 100

58 38.4 20.5 61.6

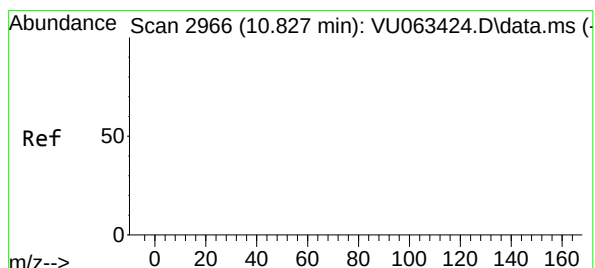
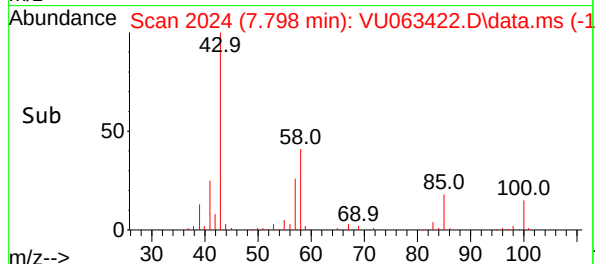
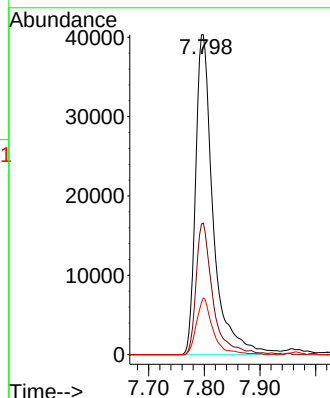
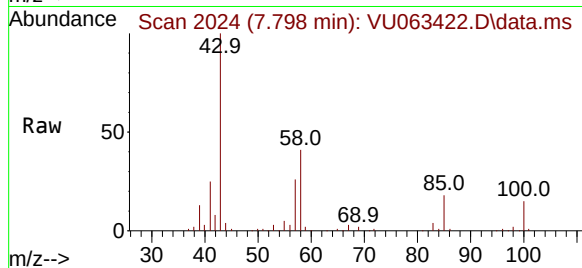
85 16.3 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 4.011 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion: 75 Resp: 12481

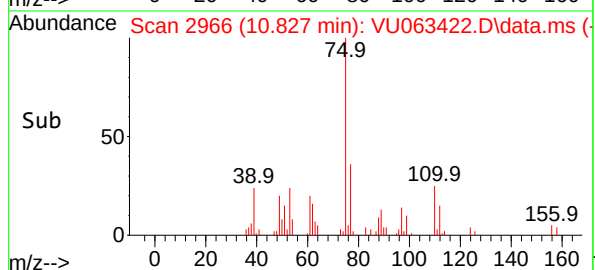
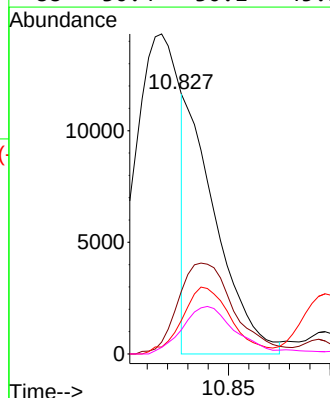
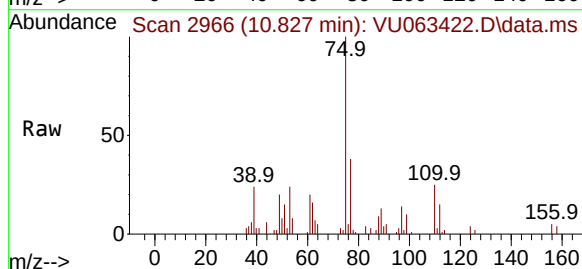
Ion Ratio Lower Upper

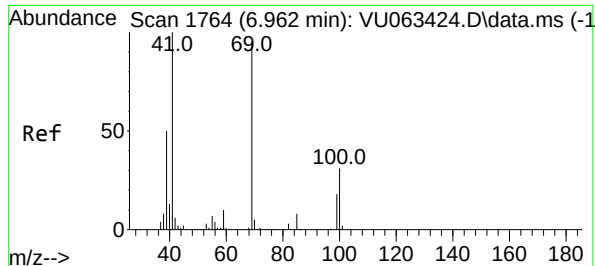
75 100

53 62.7 61.4 92.2

89 40.1 39.2 58.8

88 30.4 30.1 45.1





#47

Methyl methacrylate

Concen: 3.592 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 69 Resp: 24280

Ion Ratio Lower Upper

69 100 0.0 212.6

41 109.1 0.0 212.6

39 50.4 40.6 61.0

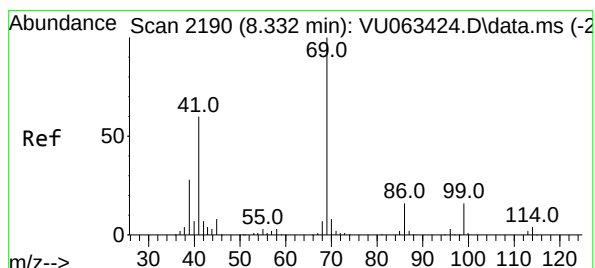
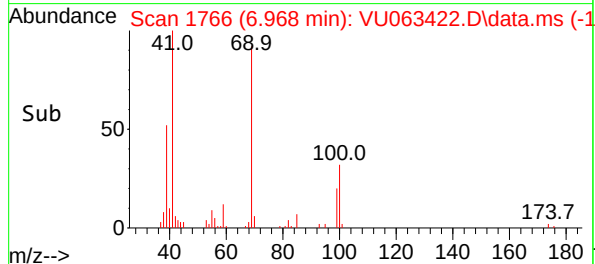
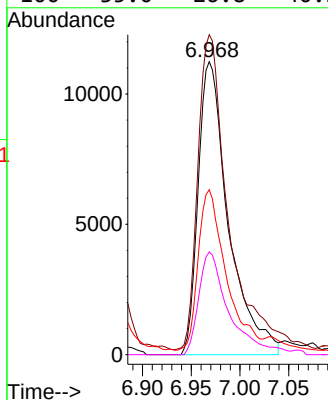
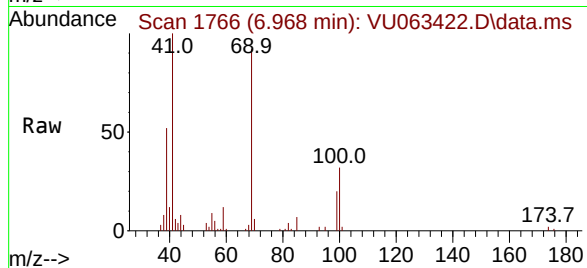
100 35.0 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 1.822 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VU063422.D

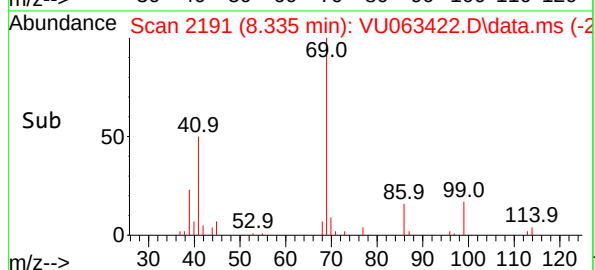
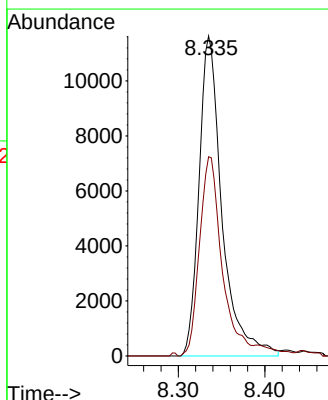
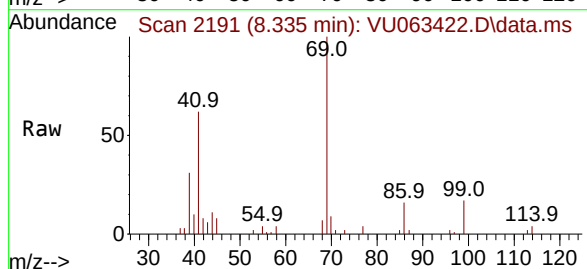
Acq: 23 Jun 2025 11:08

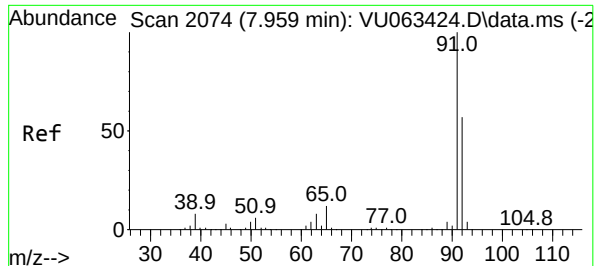
Tgt Ion: 69 Resp: 21437

Ion Ratio Lower Upper

69 100 30.6 92.0

41 60.7 30.6 92.0





#49

Toluene

Concen: 1.820 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 92 Resp: 7031

Ion Ratio Lower Upper

92 100

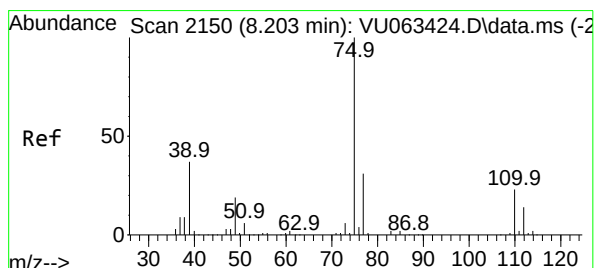
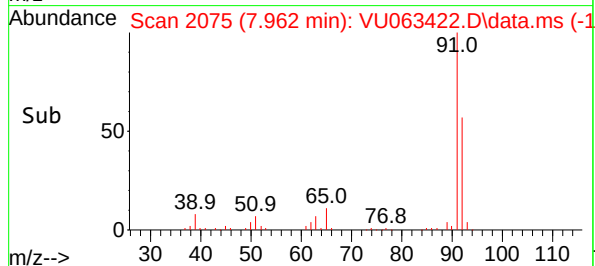
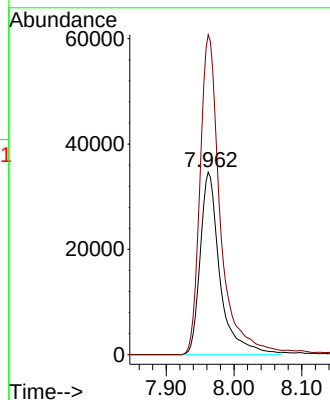
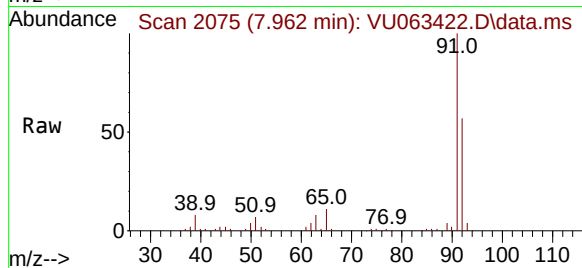
91 179.2 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 1.741 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063422.D

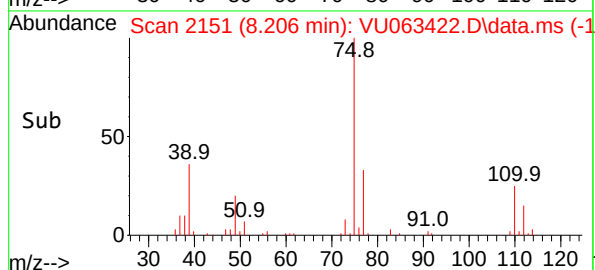
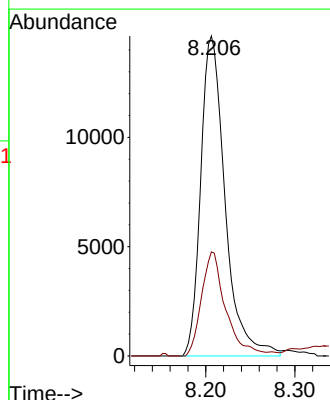
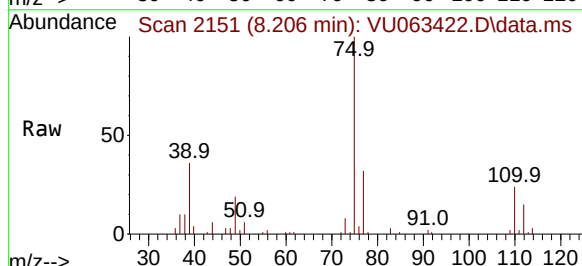
Acq: 23 Jun 2025 11:08

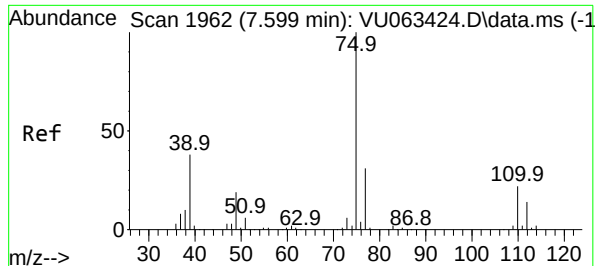
Tgt Ion: 75 Resp: 27776

Ion Ratio Lower Upper

75 100

77 32.5 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 1.779 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

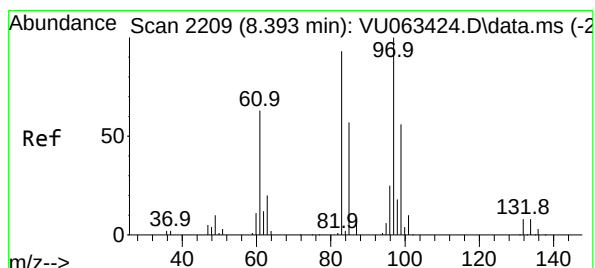
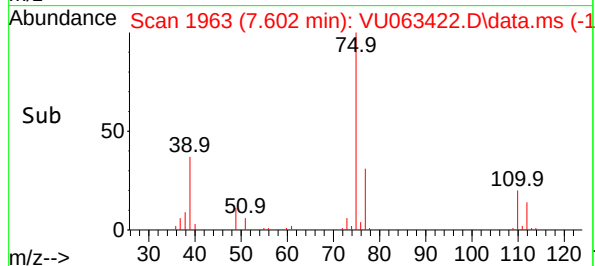
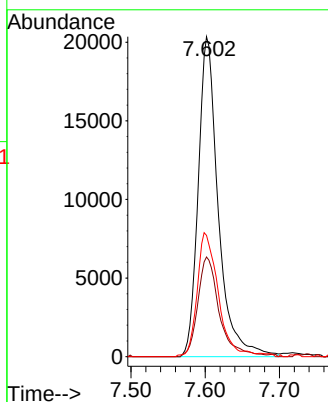
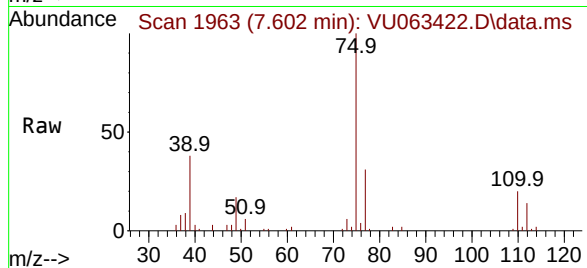
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:	75	Resp:	3812
Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	37.9	30.7	46.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#52

1,1,2-Trichloroethane

Concen: 1.925 ug/l

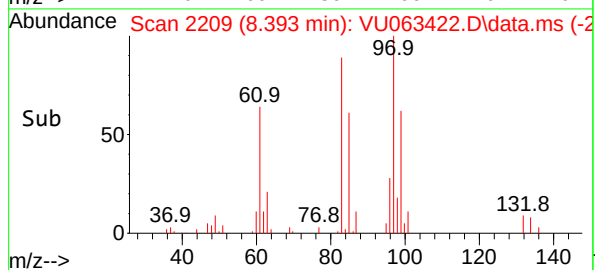
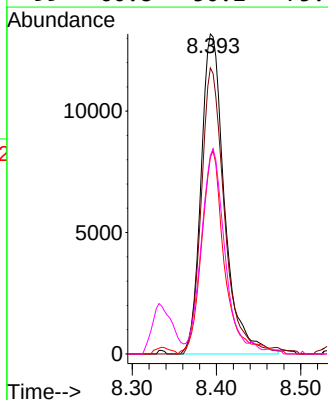
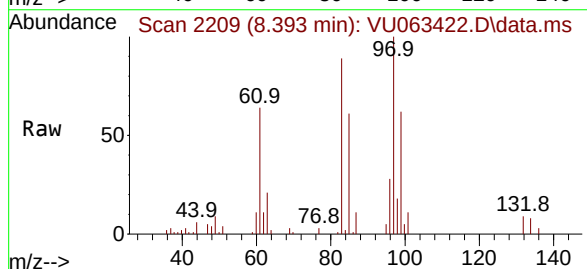
RT: 8.393 min Scan# 2209

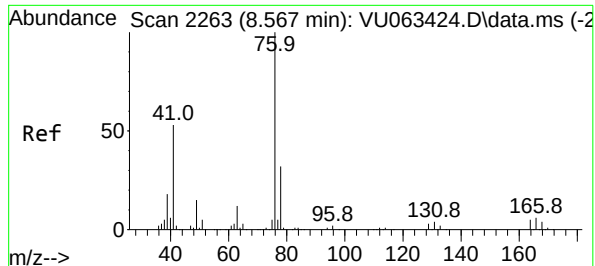
Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	97	Resp:	25555
Ion	Ratio	Lower	Upper
97	100		
83	89.4	74.1	111.1
85	61.4	45.8	68.8
99	60.8	50.2	75.4





#53

1,3-Dichloropropane

Concen: 1.881 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 76 Resp: 4296

Ion Ratio Lower Upper

76 100

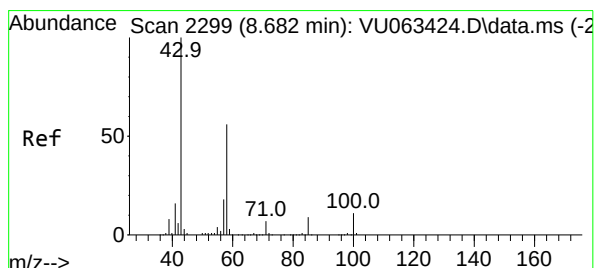
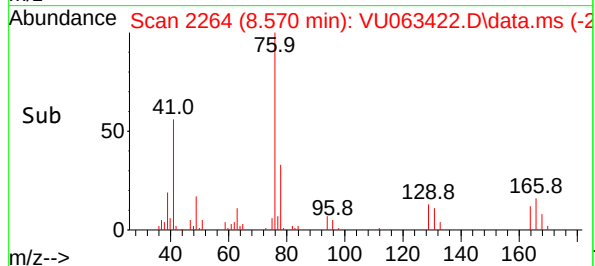
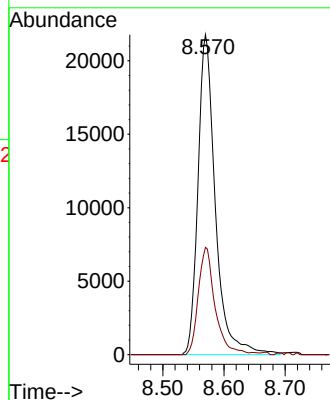
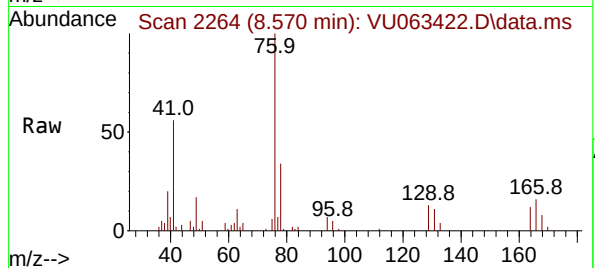
78 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 9.161 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.010 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

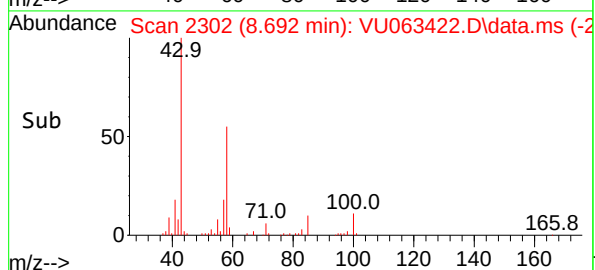
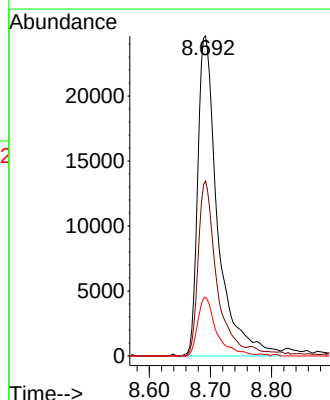
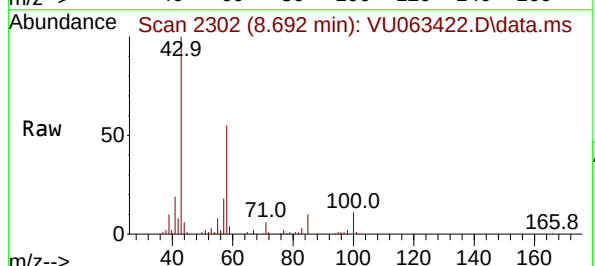
Tgt Ion: 43 Resp: 55985

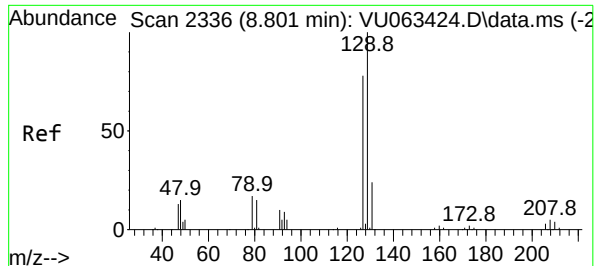
Ion Ratio Lower Upper

43 100

58 49.7 36.9 76.9

57 17.3 0.0 38.8





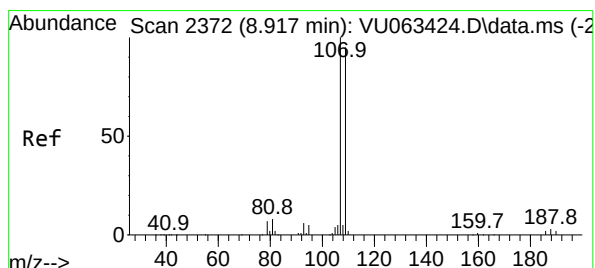
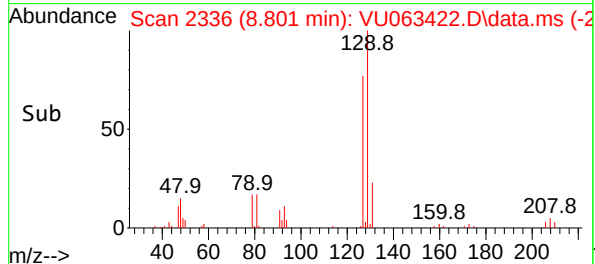
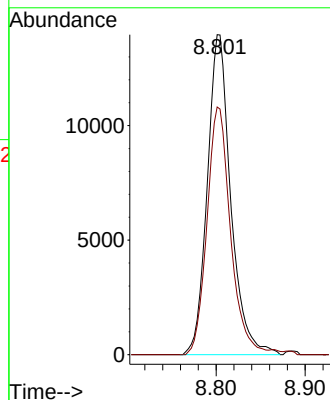
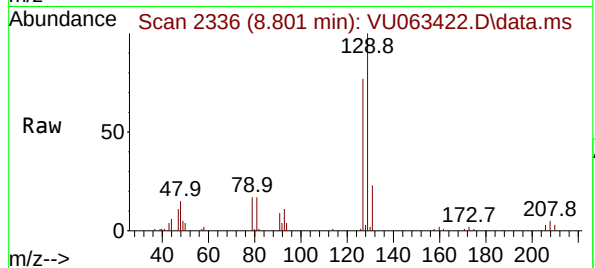
#55
Dibromochloromethane
Concen: 1.868 ug/l
RT: 8.801 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:129 Resp: 2558
Ion Ratio Lower Upper
129 100
127 77.4 62.6 93.8

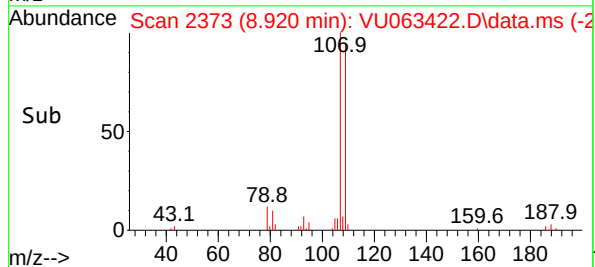
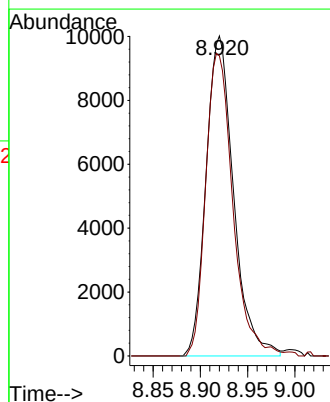
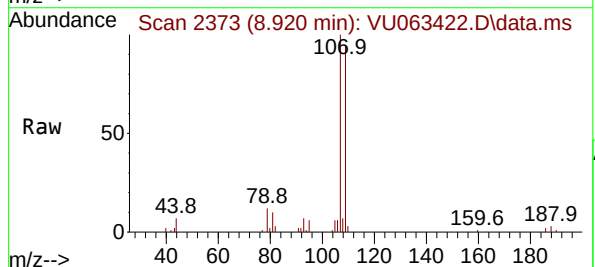
Manual Integrations
APPROVED

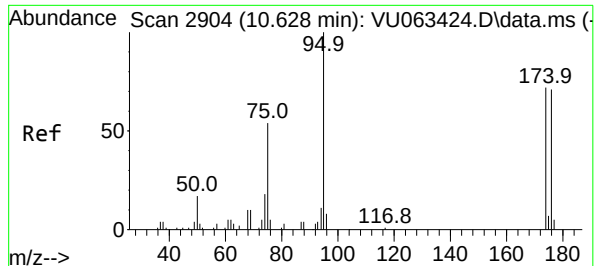
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#56
1,2-Dibromoethane
Concen: 1.887 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion:107 Resp: 20310
Ion Ratio Lower Upper
107 100
109 92.9 0.0 188.0





#57

4-Bromofluorobenzene

Concen: 0.963 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. -0.001 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 95 Resp: 19109

Ion Ratio Lower Upper

95 100

174 74.5 59.4 89.2

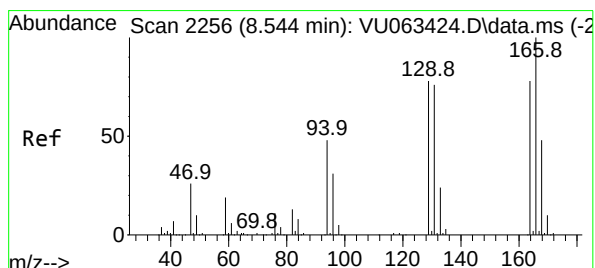
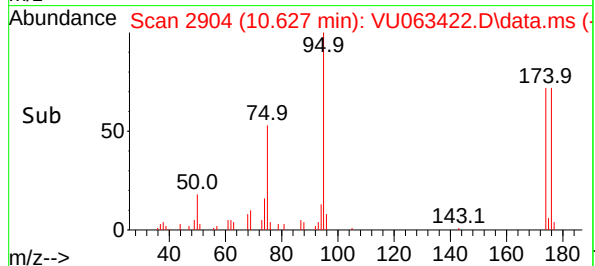
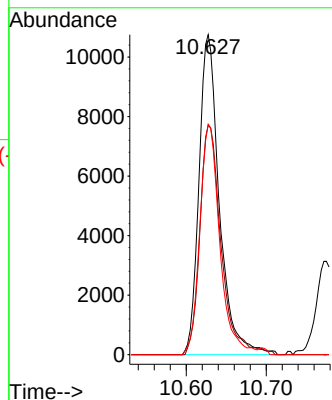
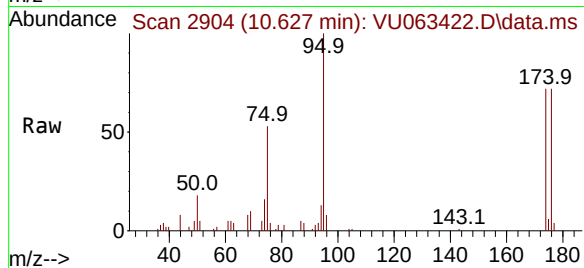
176 70.7 57.8 86.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#58

Tetrachloroethene

Concen: 1.844 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:164 Resp: 30087

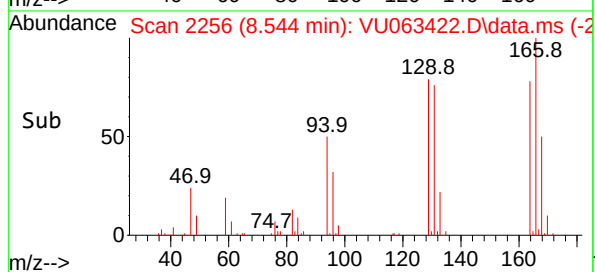
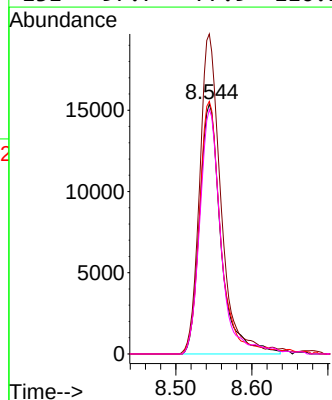
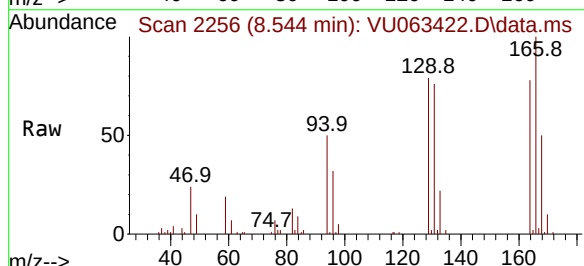
Ion Ratio Lower Upper

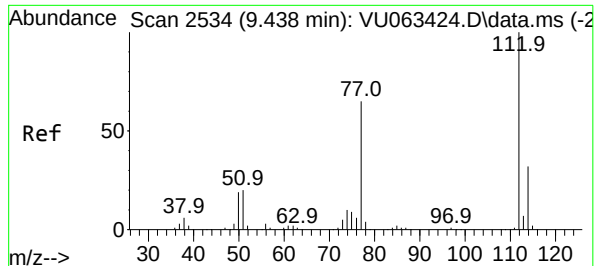
164 100

166 128.0 102.8 154.2

129 101.1 80.2 120.2

131 97.7 77.9 116.9





#59

Chlorobenzene

Concen: 1.843 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:112 Resp: 7623

Ion Ratio Lower Upper

112 100

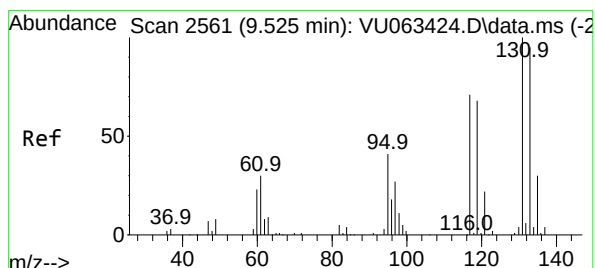
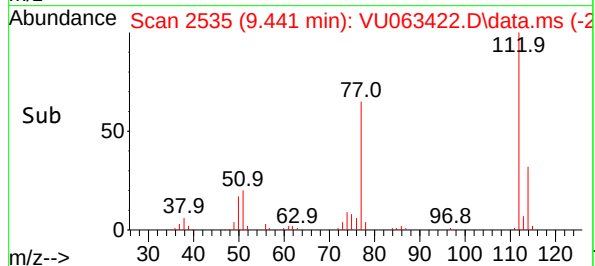
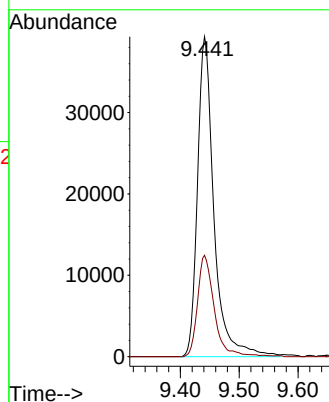
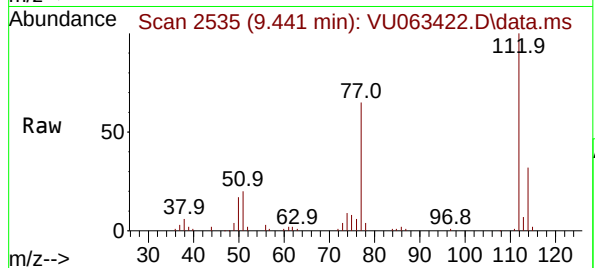
114 31.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.892 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

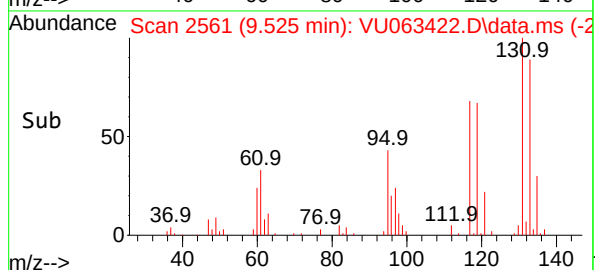
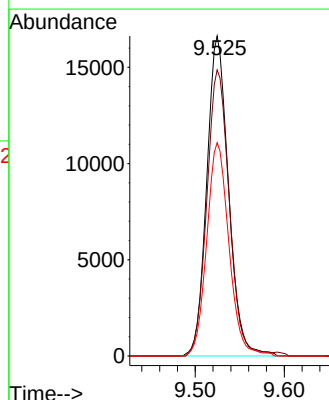
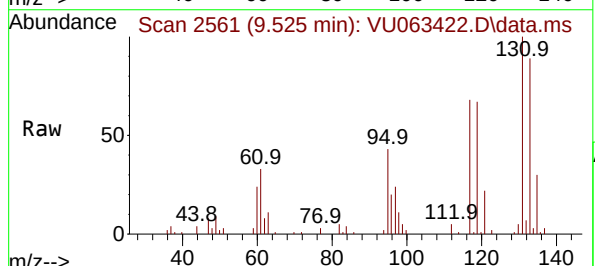
Tgt Ion:131 Resp: 28176

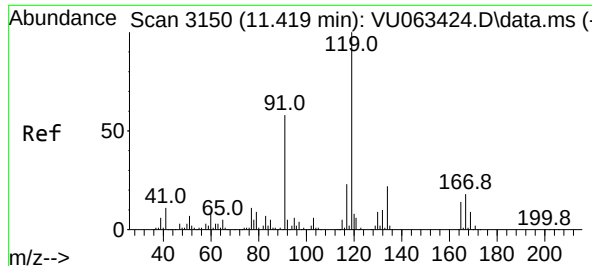
Ion Ratio Lower Upper

131 100

133 92.6 76.1 114.1

119 68.0 53.7 80.5





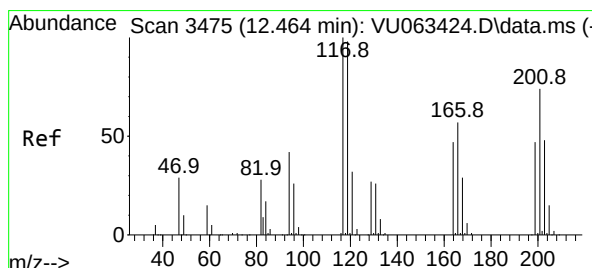
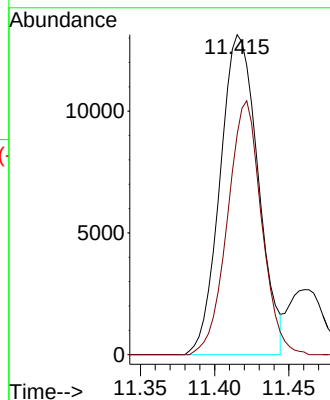
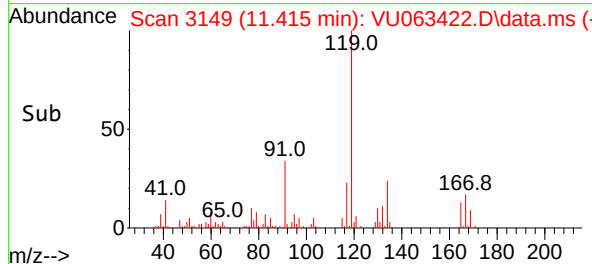
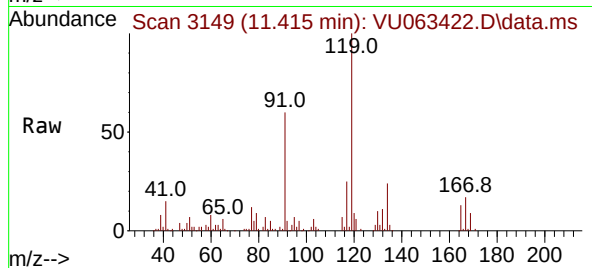
#61
Pentachloroethane
Concen: 1.930 ug/l
RT: 11.415 min Scan# 3150
Delta R.T. -0.004 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 2341
Ion Ratio Lower Upper
117 100
167 71.1 58.1 87.1

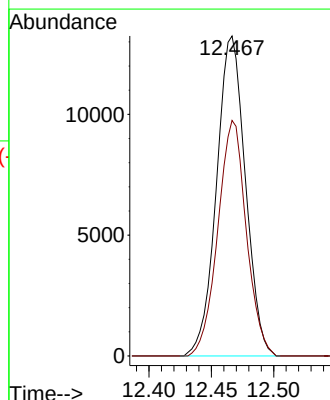
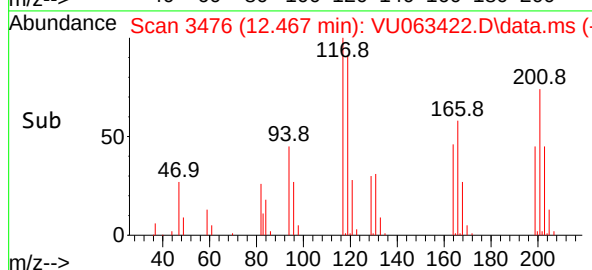
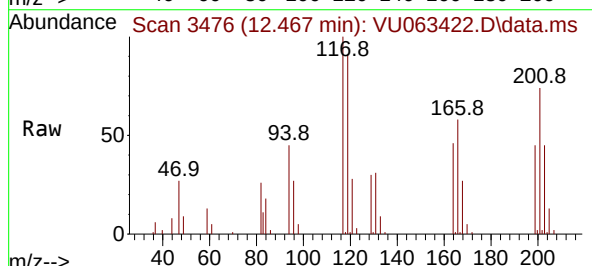
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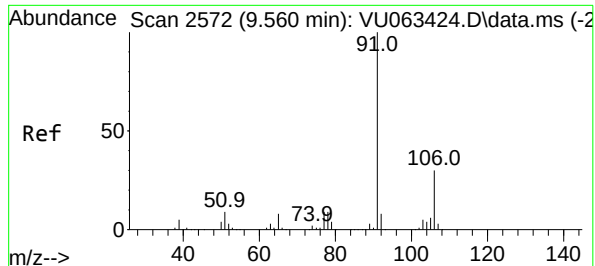
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 1.959 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion:117 Resp: 21374
Ion Ratio Lower Upper
117 100
201 72.6 60.4 90.6





#63

Ethyl Benzene

Concen: 1.759 ug/l

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 11665

Ion Ratio Lower Upper

91 100

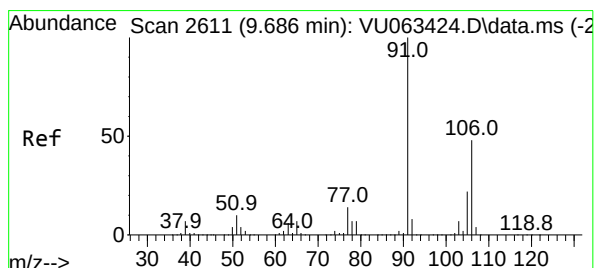
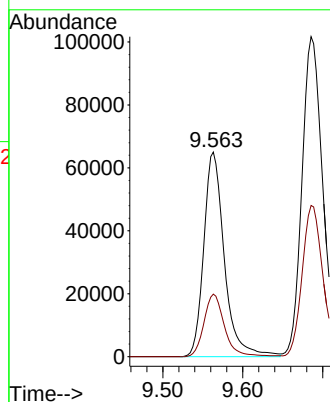
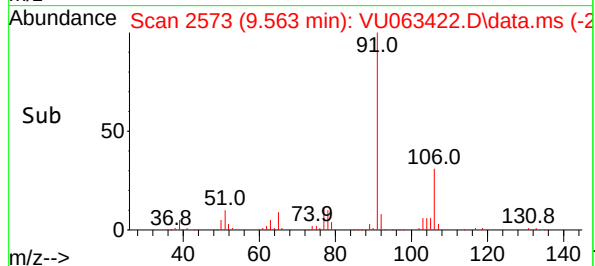
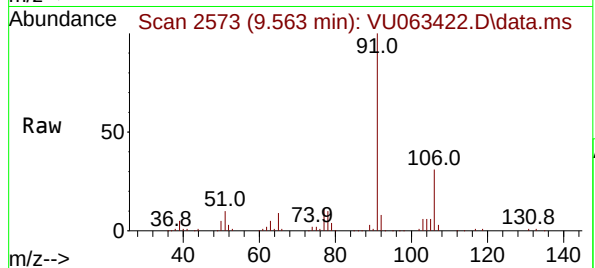
106 30.6 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#64

m/p-Xylenes

Concen: 3.524 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. -0.001 min

Lab File: VU063422.D

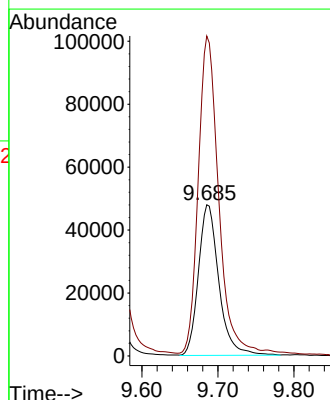
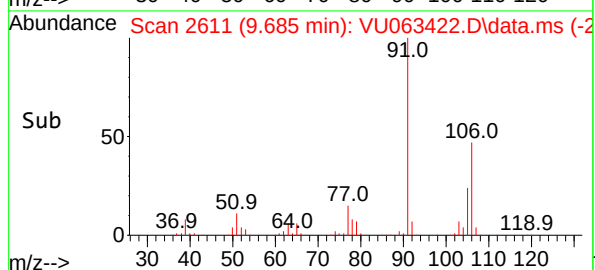
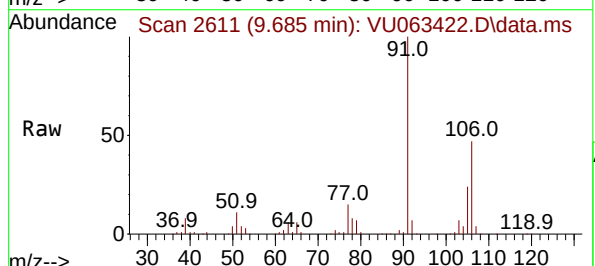
Acq: 23 Jun 2025 11:08

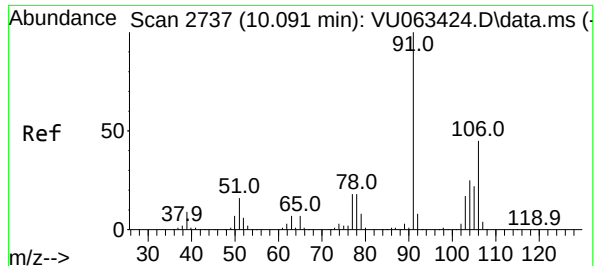
Tgt Ion:106 Resp: 89333

Ion Ratio Lower Upper

106 100

91 207.3 169.9 254.9





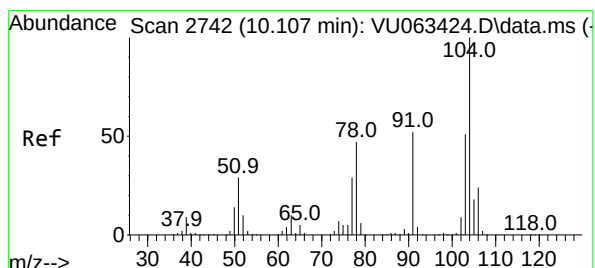
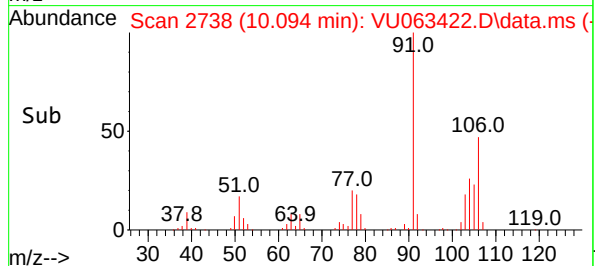
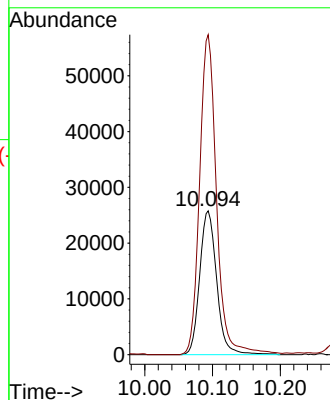
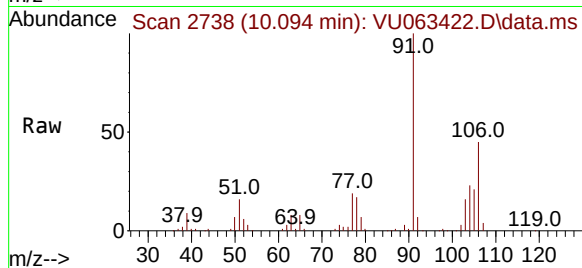
#65
o-Xylene
Concen: 1.784 ug/l
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:106 Resp: 4494
Ion Ratio Lower Upper
106 100
91 221.4 110.8 332.3

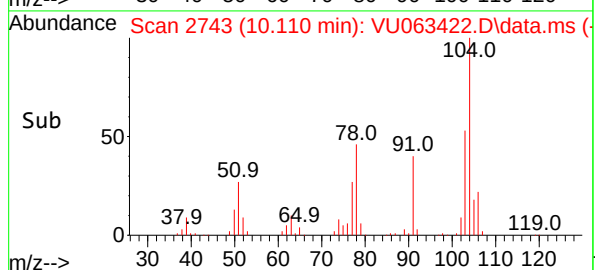
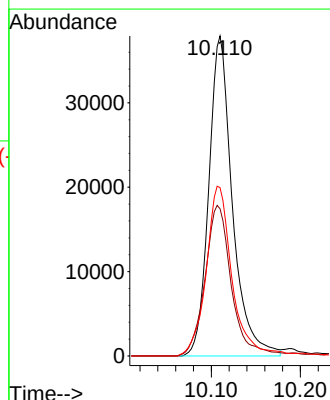
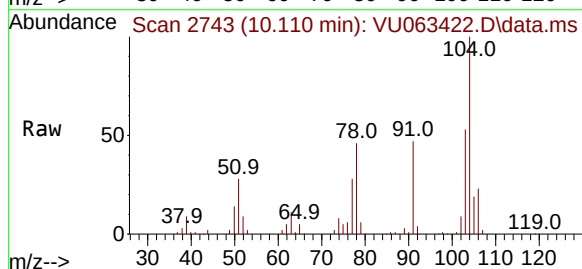
Manual Integrations
APPROVED

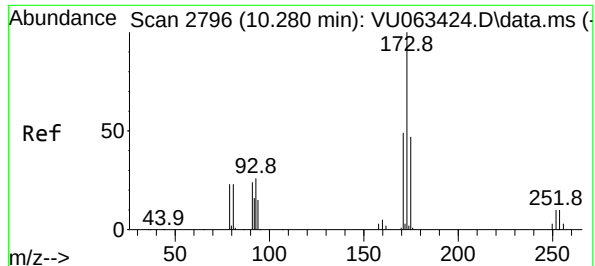
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 1.743 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

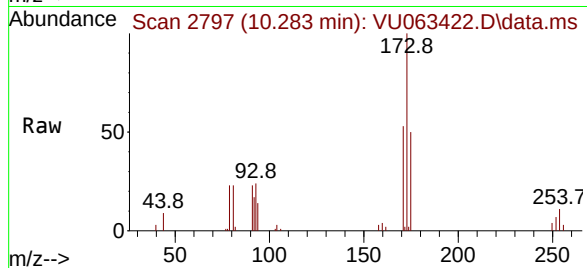
Tgt Ion:104 Resp: 69902
Ion Ratio Lower Upper
104 100
78 52.4 41.6 62.4
103 58.2 44.6 67.0





#67
Bromoform
Concen: 1.884 ug/l
RT: 10.283 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

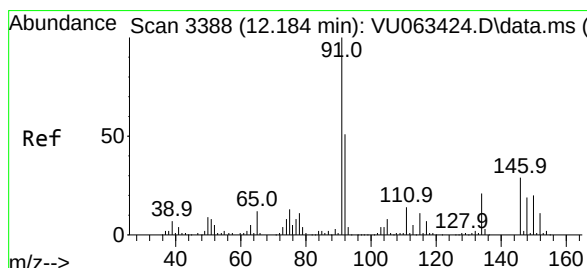
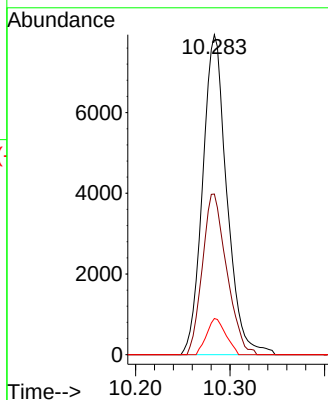
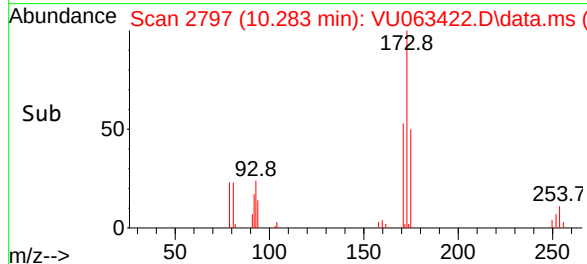
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



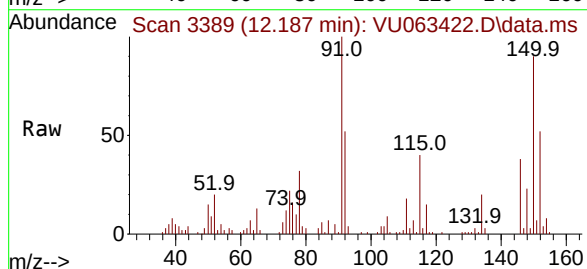
Tgt Ion:173 Resp: 1410
Ion Ratio Lower Upper
173 100
175 50.3 38.2 57.2
254 8.9 7.6 11.4

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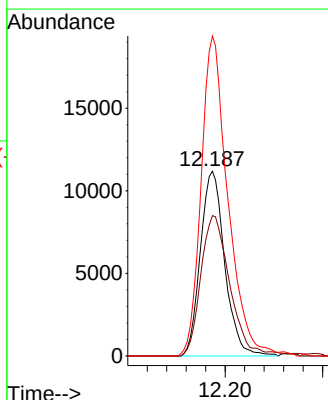
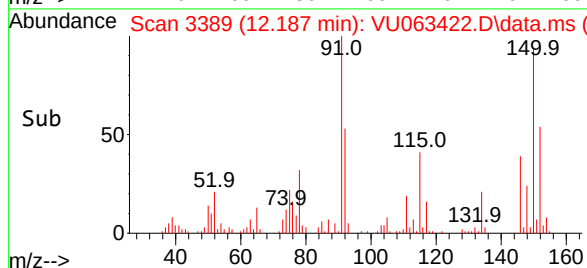
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

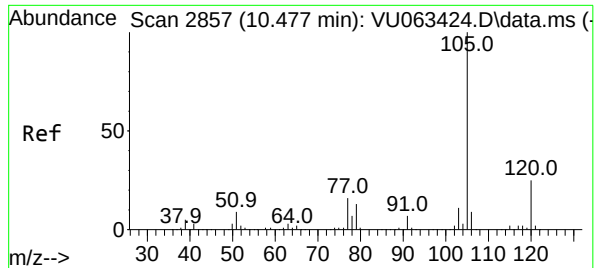


#68
1,2-Dichlorobenzene-d4
Concen: 0.973 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08



Tgt Ion:152 Resp: 19383
Ion Ratio Lower Upper
152 100
115 90.8 0.0 327.6
150 189.6 0.0 664.4





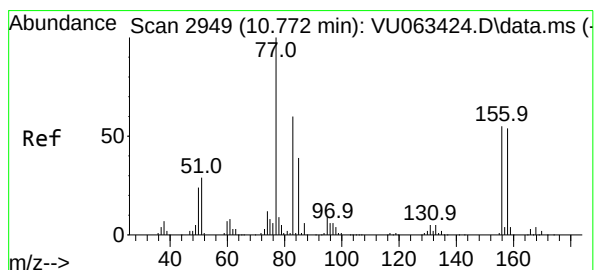
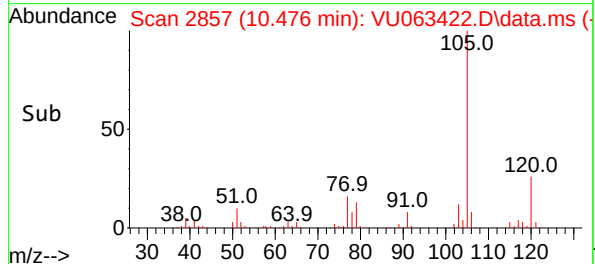
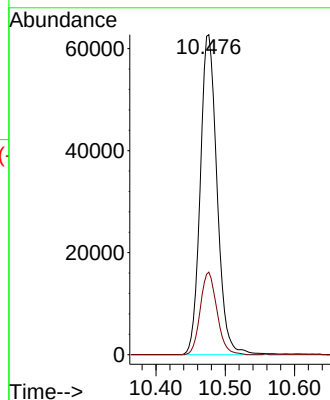
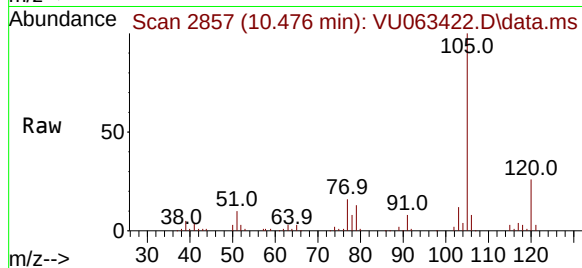
#69
Isopropylbenzene
Concen: 1.809 ug/l
RT: 10.476 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:105 Resp: 105598
Ion Ratio Lower Upper
105 100
120 25.6 12.7 38.1

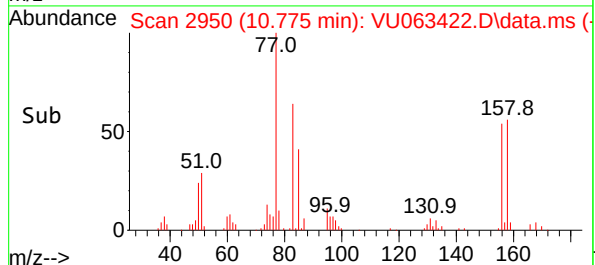
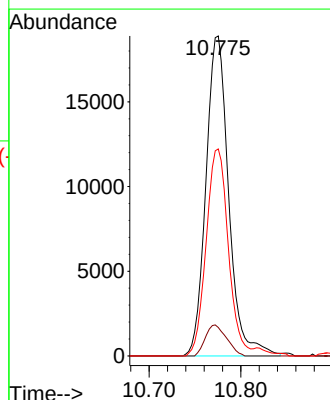
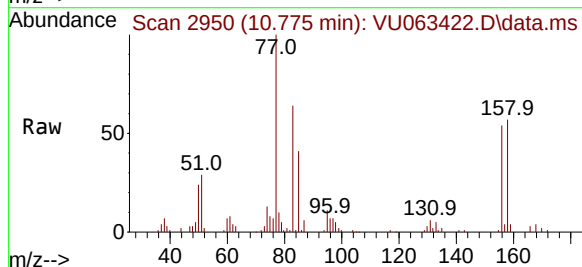
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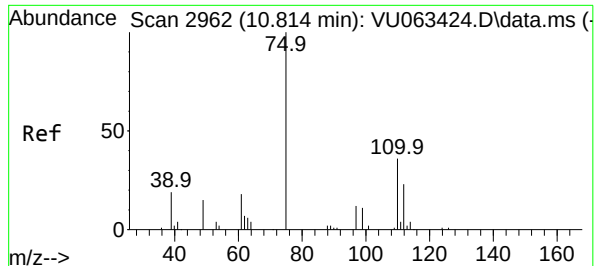
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 1.919 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 83 Resp: 32584
Ion Ratio Lower Upper
83 100
131 9.0 7.4 11.0
85 63.0 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 1.741 ug/l m

RT: 10.817 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 2460

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 32.4 0.0 63.4

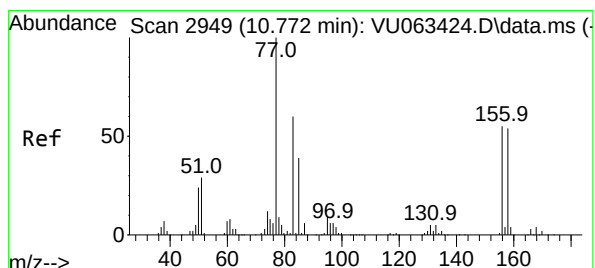
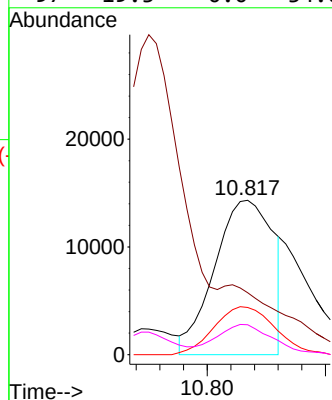
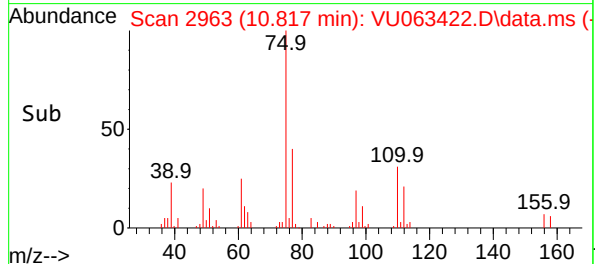
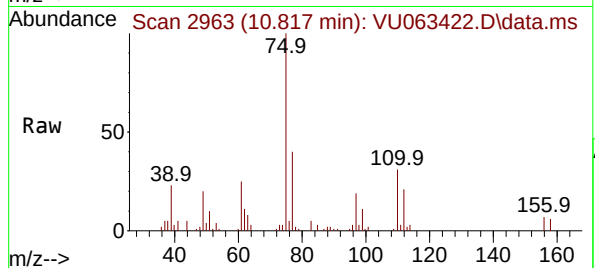
97 19.3 0.0 34.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 1.858 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

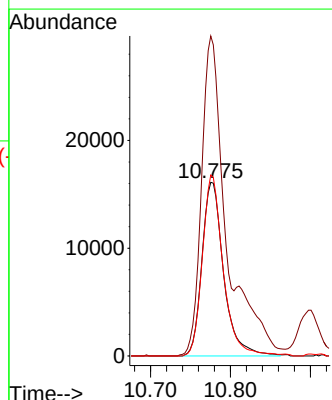
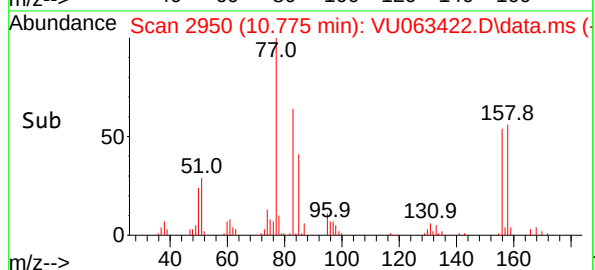
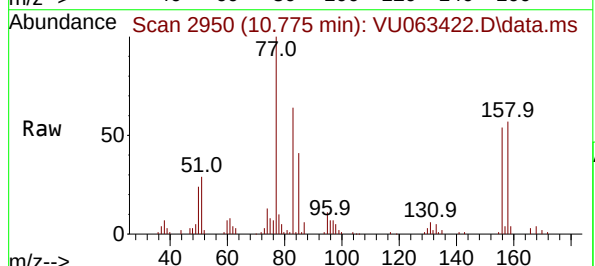
Tgt Ion:156 Resp: 30449

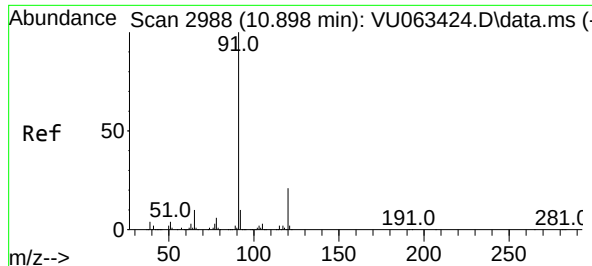
Ion Ratio Lower Upper

156 100

77 173.4 0.0 416.2

158 100.1 0.0 190.6





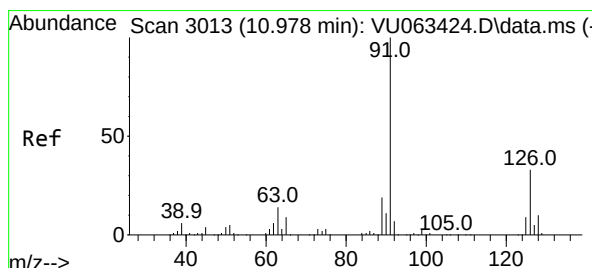
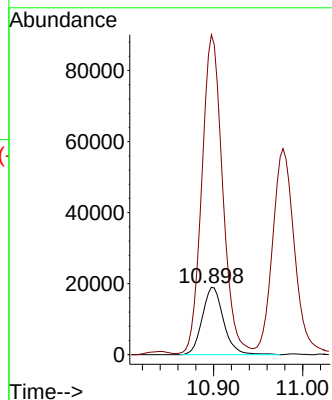
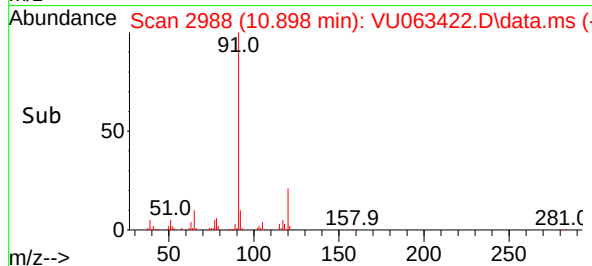
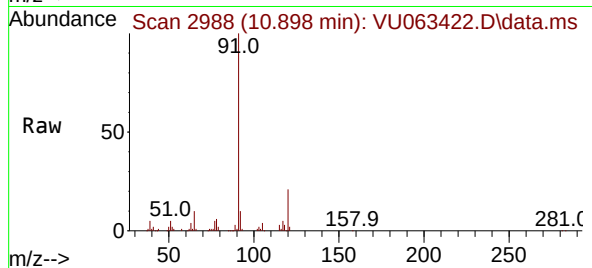
#73
n-propylbenzene
Concen: 1.797 ug/l
RT: 10.898 min Scan# 2988
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:120 Resp: 3146
Ion Ratio Lower Upper
120 100
91 461.6 373.7 560.5

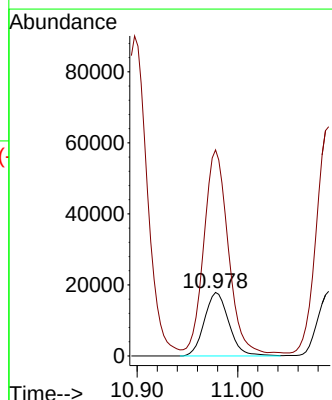
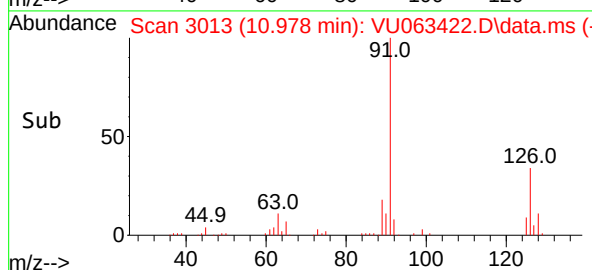
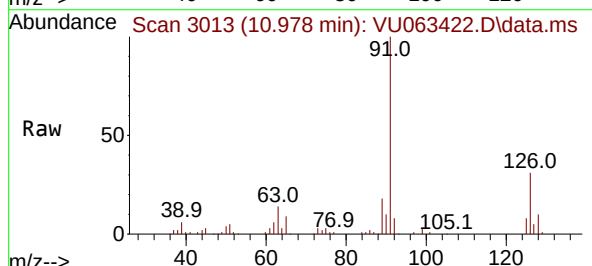
Manual Integrations
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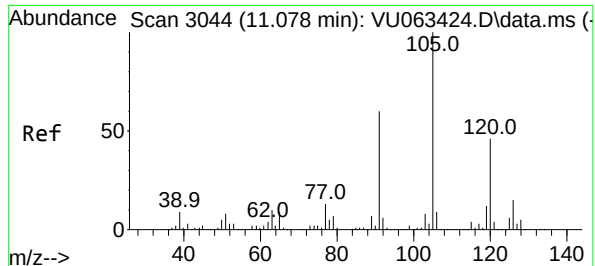
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 1.864 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion:126 Resp: 30192
Ion Ratio Lower Upper
126 100
91 316.1 0.0 650.8





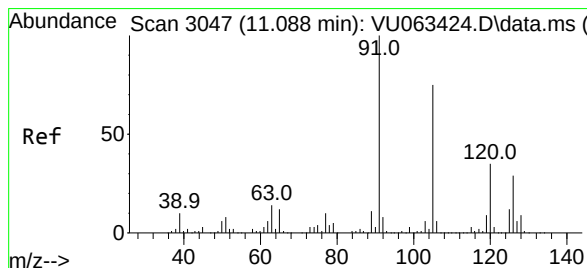
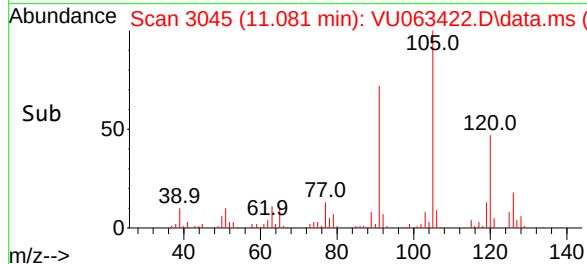
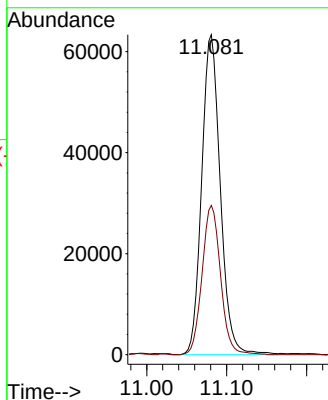
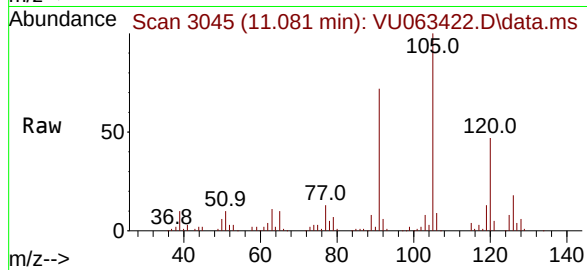
#75
1,3,5-Trimethylbenzene
Concen: 1.800 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 10277
Ion Ratio Lower Upper
105 100
120 46.3 37.0 55.4

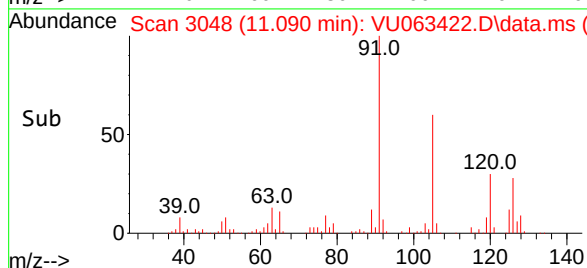
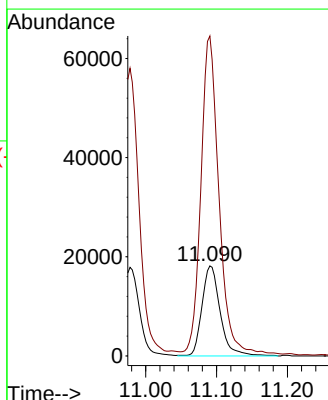
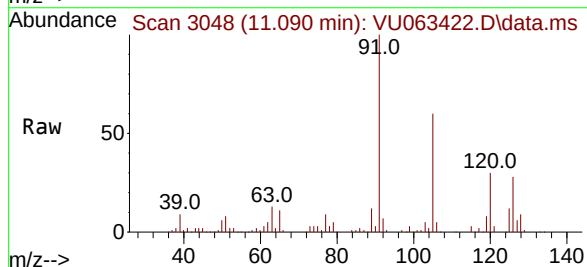
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APPROVED

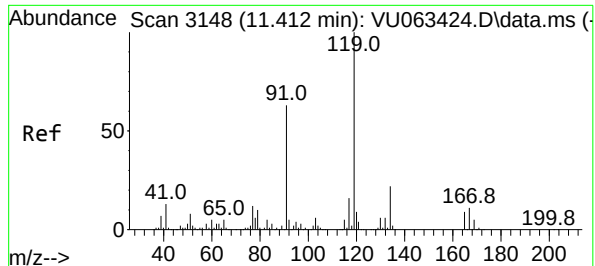
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#76
4-Chlorotoluene
Concen: 1.911 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion:126 Resp: 32426
Ion Ratio Lower Upper
126 100
91 347.6 0.0 713.2





#77

tert-Butylbenzene

Concen: 1.817 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

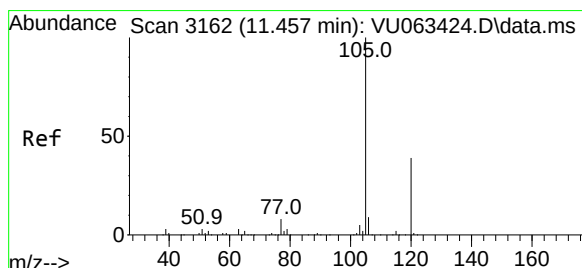
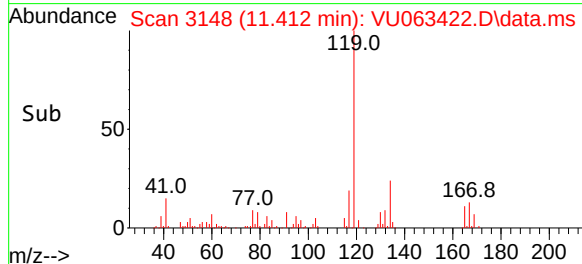
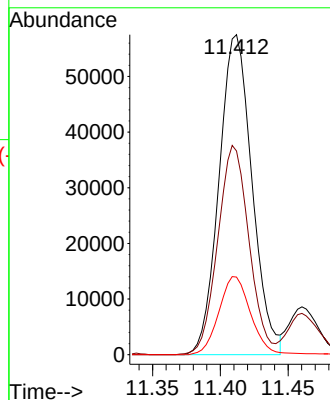
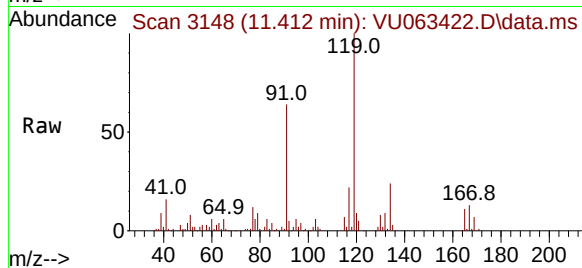
ClientSampleId :

VSTDIC002

Tgt Ion:	119	Resp:	97430
Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.9	92.7
134	23.7	17.9	26.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 1.780 ug/l

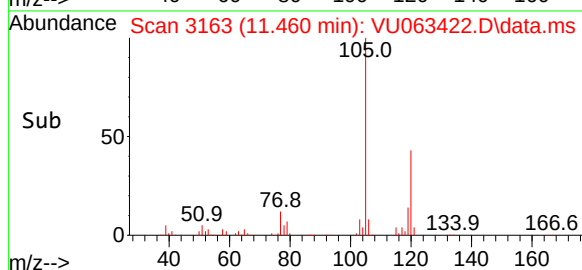
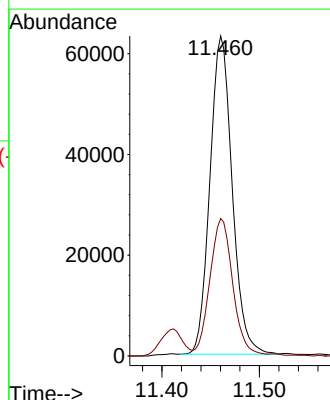
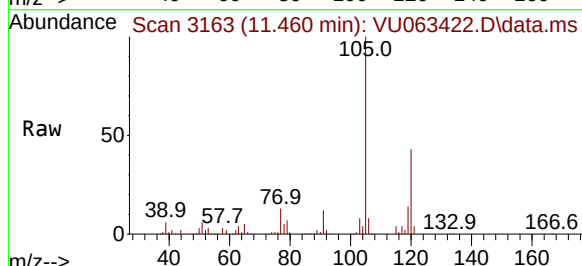
RT: 11.460 min Scan# 3163

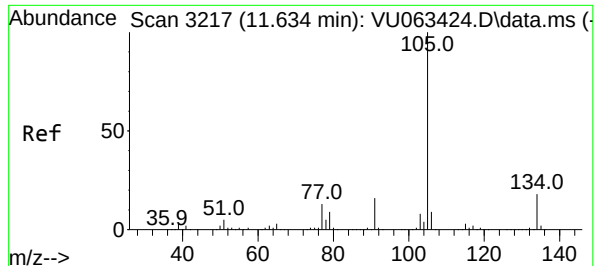
Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	105	Resp:	100388
Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.5





#79

sec-Butylbenzene

Concen: 1.857 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 14106

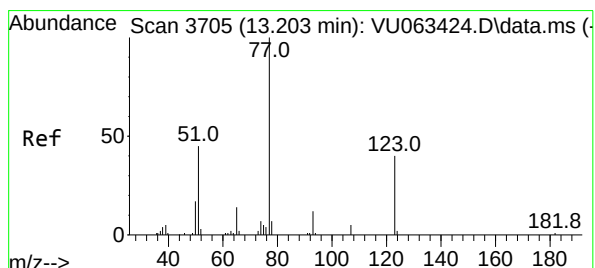
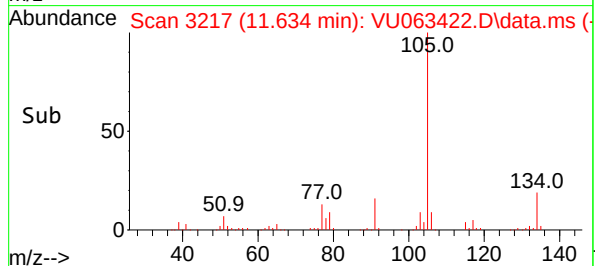
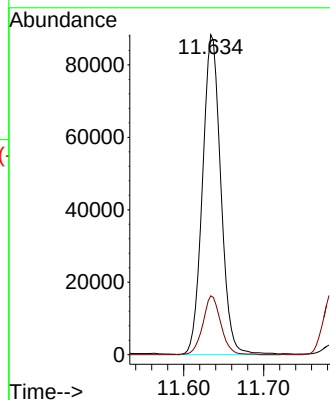
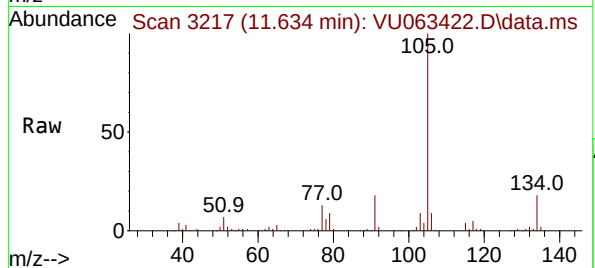
Ion Ratio Lower Upper

105 100

134 18.1 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#80

Nitrobenzene

Concen: 9.326 ug/l m

RT: 13.225 min Scan# 3712

Delta R.T. 0.022 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

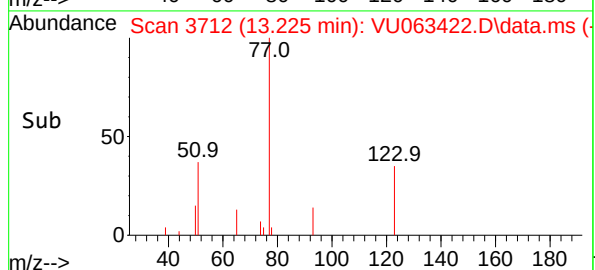
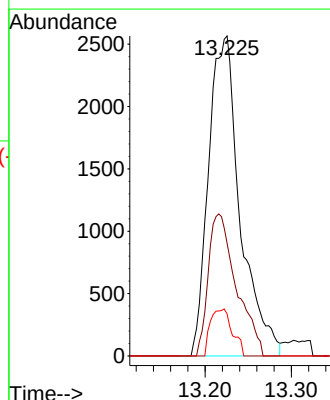
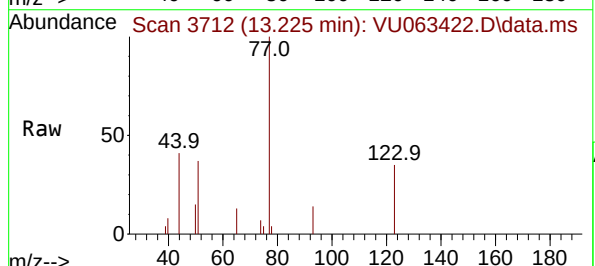
Tgt Ion: 77 Resp: 6524

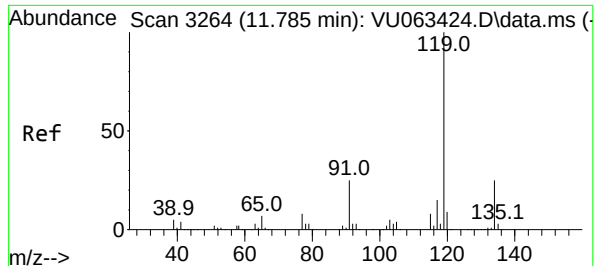
Ion Ratio Lower Upper

77 100

123 39.6 19.6 69.6

65 10.1 10.6 13.4#





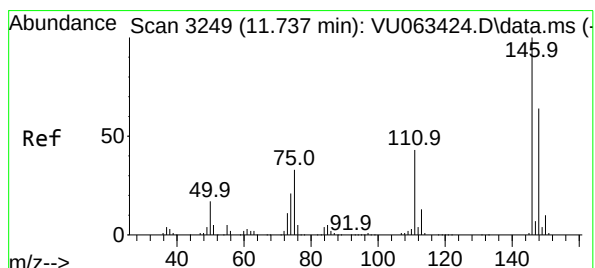
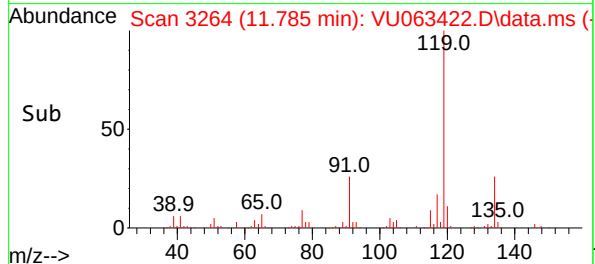
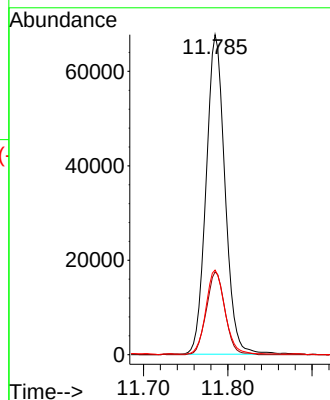
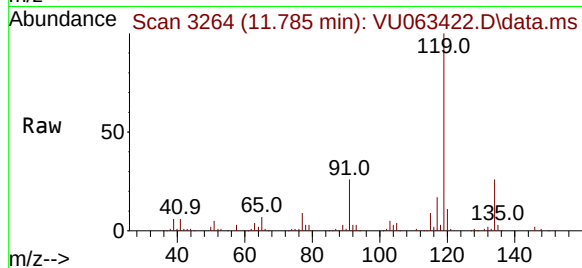
#81
p-Isopropyltoluene
Concen: 1.794 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 105219
Ion Ratio Lower Upper
119 100
134 25.6 20.2 30.2
91 26.4 19.7 29.5

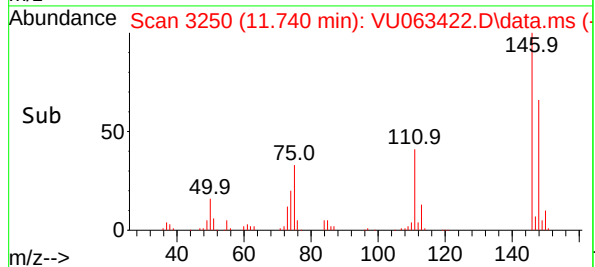
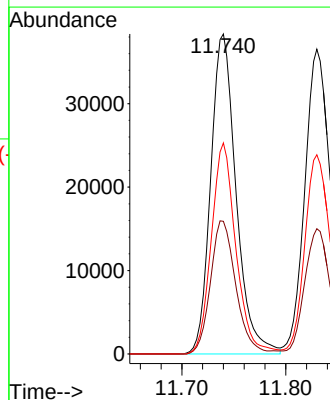
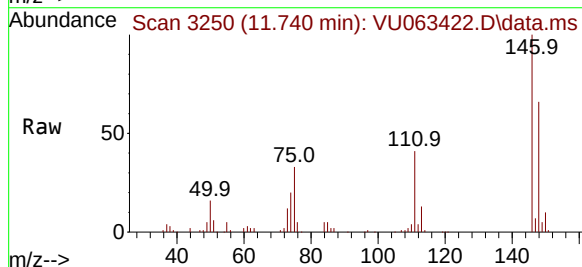
Manual Integrations
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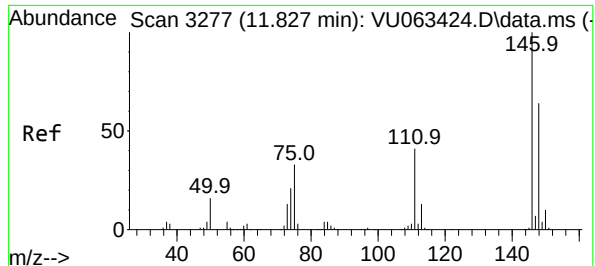
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82
1,3-Dichlorobenzene
Concen: 1.919 ug/l
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

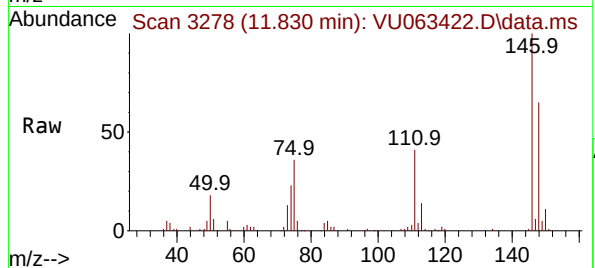
Tgt Ion:146 Resp: 65124
Ion Ratio Lower Upper
146 100
111 41.5 34.3 51.5
148 63.8 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 1.863 ug/l m
RT: 11.830 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

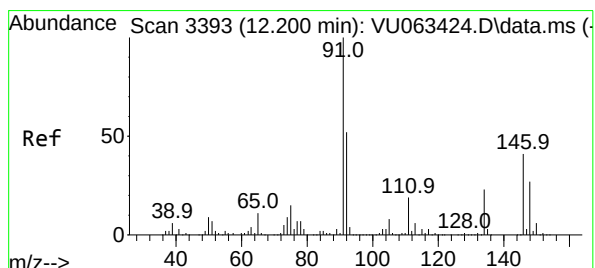
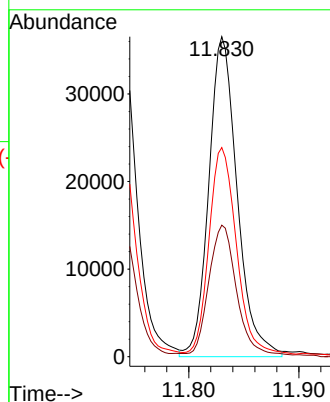
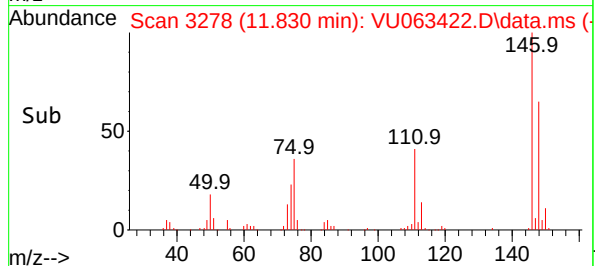
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



Tgt Ion:146 Resp: 65564
Ion Ratio Lower Upper
146 100
111 41.1 31.7 47.5
148 62.7 51.4 77.0

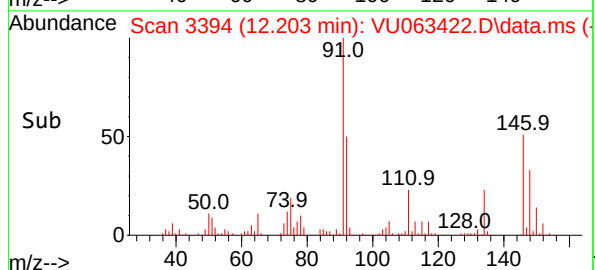
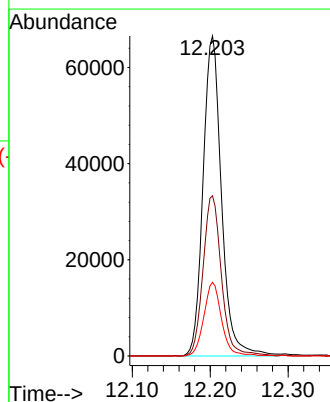
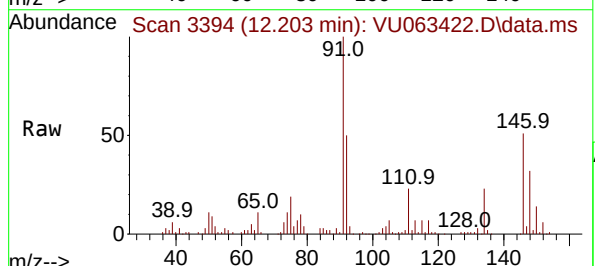
Manual Integrations
APPROVED

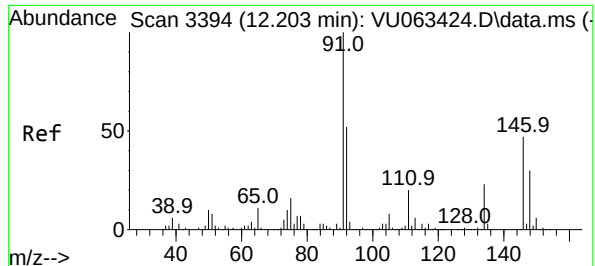
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#84
n-Butylbenzene
Concen: 1.761 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

Tgt Ion: 91 Resp: 109491
Ion Ratio Lower Upper
91 100
92 49.9 41.0 61.6
134 22.1 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 1.895 ug/l

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

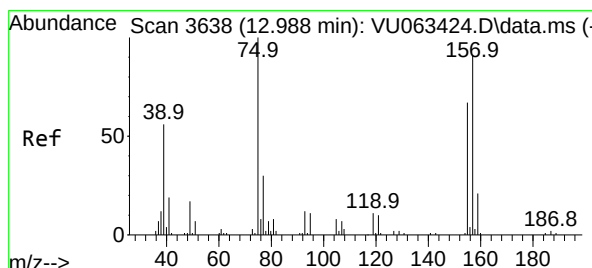
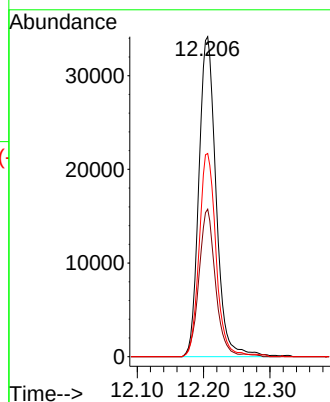
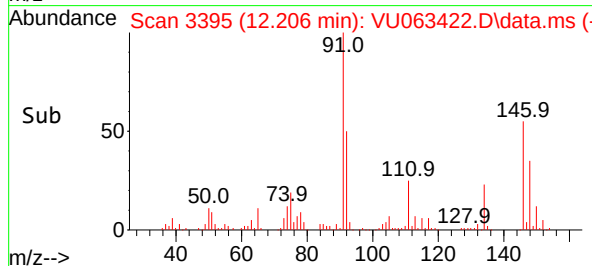
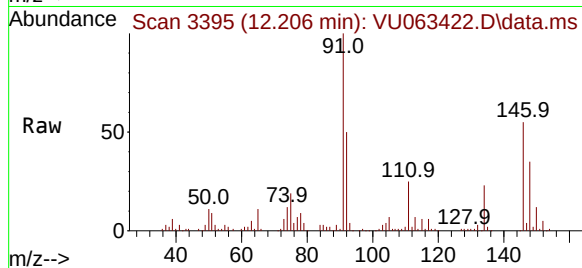
VSTDIC002

Tgt Ion:	146	Resp:	6155
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.8	65.4
148	62.0	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.949 ug/l

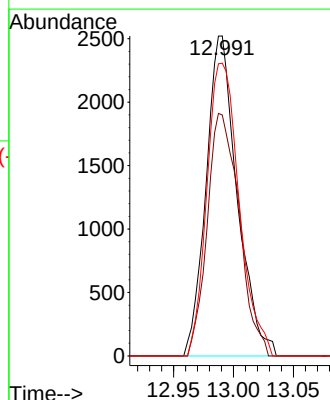
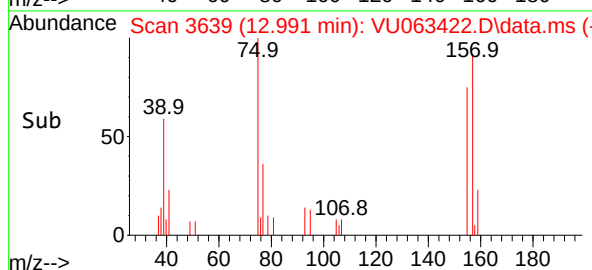
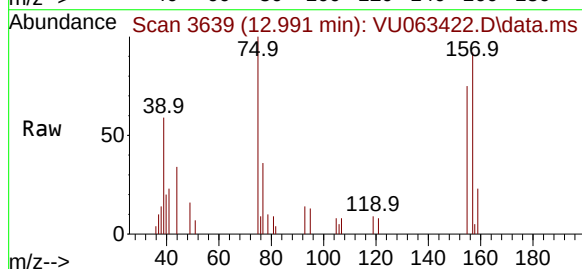
RT: 12.991 min Scan# 3639

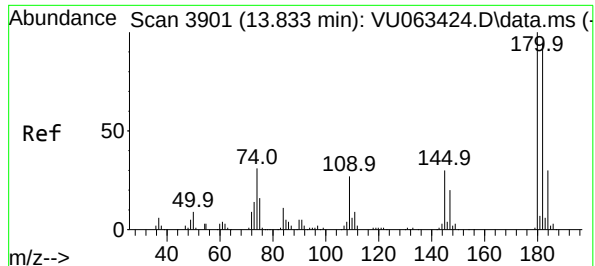
Delta R.T. 0.003 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

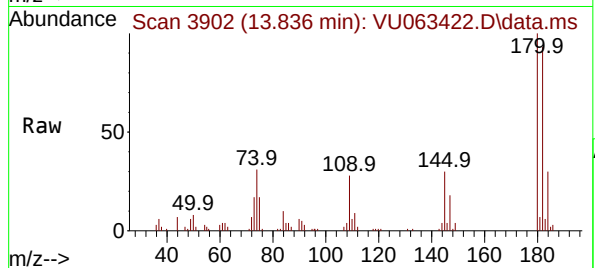
Tgt Ion:	75	Resp:	4551
Ion Ratio	Lower	Upper	
75	100		
155	77.7	59.7	89.5
157	95.1	75.0	112.4





#87
1,2,4-Trichlorobenzene
Concen: 1.686 ug/l
RT: 13.836 min Scan# 3901
Delta R.T. 0.003 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08

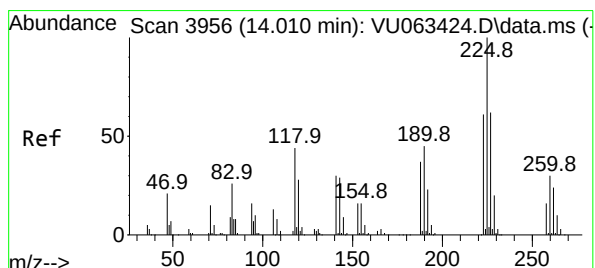
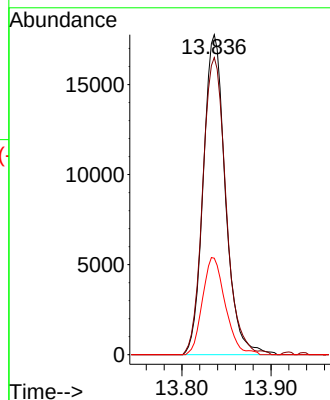
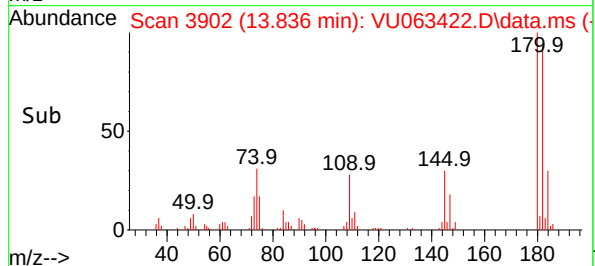
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



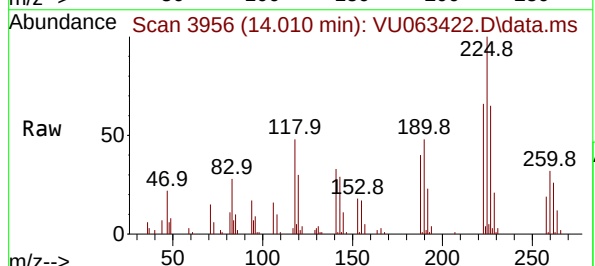
Tgt Ion:180 Resp: 30530
Ion Ratio Lower Upper
180 100
182 97.7 75.6 113.4
145 31.4 24.6 36.8

Manual Integrations
APPROVED

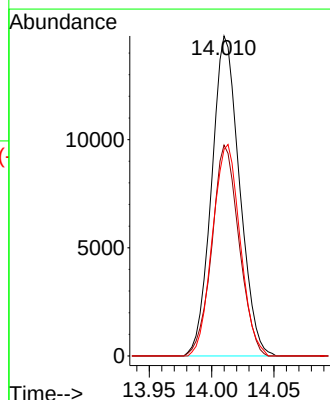
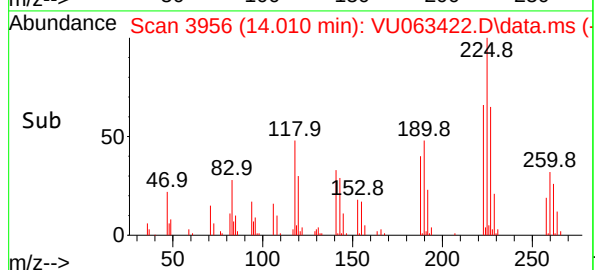
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

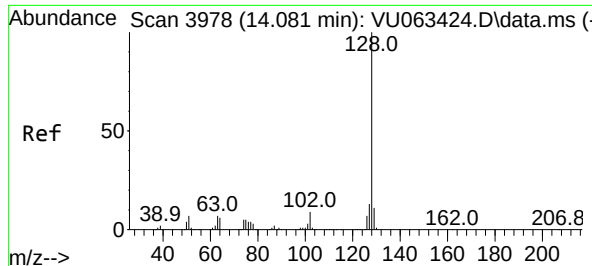


#88
Hexachlorobutadiene
Concen: 1.795 ug/l
RT: 14.010 min Scan# 3956
Delta R.T. -0.000 min
Lab File: VU063422.D
Acq: 23 Jun 2025 11:08



Tgt Ion:225 Resp: 23048
Ion Ratio Lower Upper
225 100
223 63.9 50.0 75.0
227 65.5 51.5 77.3





#89

Naphthalene

Concen: 2.039 ug/l

RT: 14.087 min Scan# 3978

Delta R.T. 0.006 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

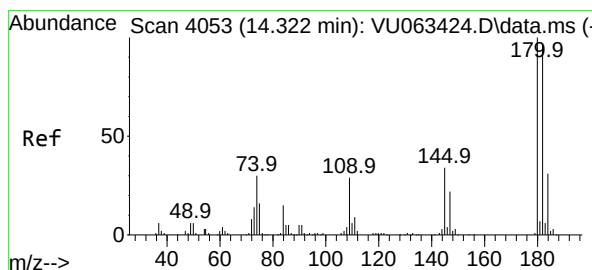
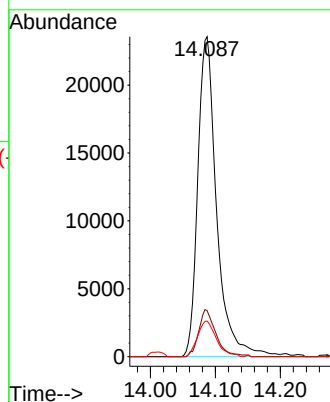
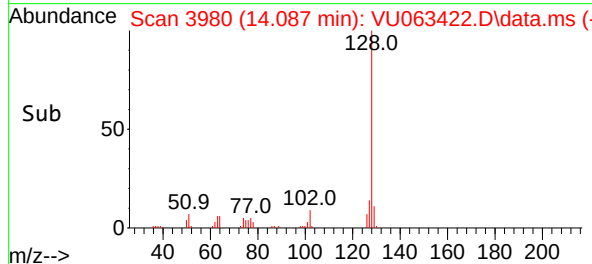
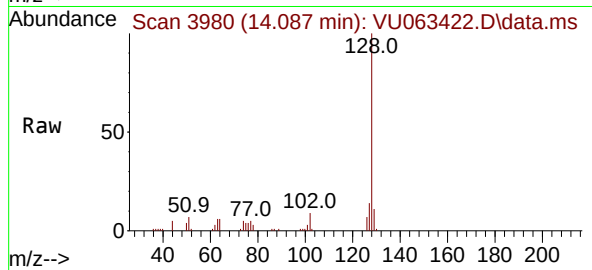
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:	128	Resp:	4768
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#90

1,2,3-Trichlorobenzene

Concen: 1.658 ug/l

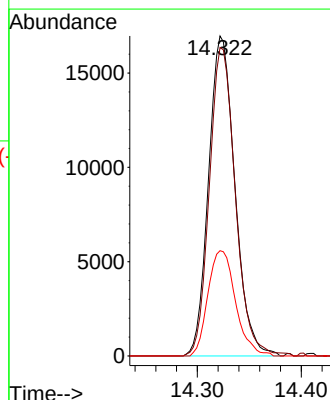
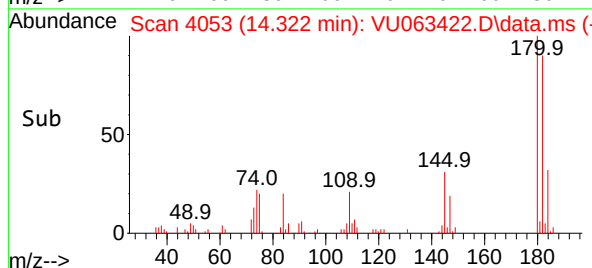
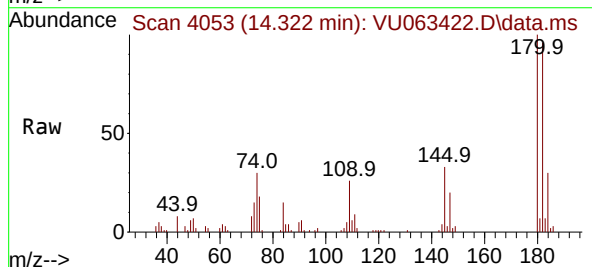
RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU063422.D

Acq: 23 Jun 2025 11:08

Tgt Ion:	180	Resp:	29863
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.7	115.1
145	34.5	27.4	41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063423.D
 Acq On : 23 Jun 2025 11:39
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 24 04:41:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

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

Internal Standards						
1) Fluorobenzene	6.100	96	53975	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	20562	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	20193	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	106845	5.154	ug/l	98
3) Chloromethane	1.518	50	138675	5.078	ug/l	98
4) Vinyl Chloride	1.599	62	122212	5.226	ug/l	98
5) Bromomethane	1.846	94	56563	5.048	ug/l	99
6) Chloroethane	1.923	64	72598	5.241	ug/l	98
7) Trichlorofluoromethane	2.129	101	137921	5.172	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	73554	5.179	ug/l	98
9) 1,1-Dichloroethene	2.570	96	74019	5.222	ug/l	99
10) Iodomethane	2.711	142	59524	5.203	ug/l	100
11) Allyl Chloride	2.911	41	130206	5.158	ug/l	99
12) Acrylonitrile	3.306	53	42288	10.326	ug/l	93
13) Acetone	2.618	43	111236	30.131	ug/l	97
14) Carbon Disulfide	2.779	76	253848	5.136	ug/l	99
15) Methylene Chloride	3.030	84	90967	5.064	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	83247	5.220	ug/l	95
17) 1,1-Dichloroethane	3.849	63	173909	5.194	ug/l	99
18) 2-Butanone	4.714	43	156094	27.315	ug/l	100
19) Cyclohexane	5.361	56	132056	5.213	ug/l	99
20) Methylcyclohexane	6.746	83	122493m	5.233	ug/l	
21) 2,2-Dichloropropane	4.644	77	123041	5.170	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	90374	5.192	ug/l	97
23) Diethyl Ether	2.370	59	66746	5.219	ug/l	97
24) tert-Butyl Alcohol	3.190	59	68651	50.962	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	199326	5.171	ug/l	99
26) Bromochloromethane	4.955	128	35606	5.256	ug/l	99
27) Chloroform	5.071	83	162097	5.164	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	136327	5.356	ug/l	99
29) 1,1-Dichloropropene	5.505	75	124508	5.355	ug/l	97
30) Carbon Tetrachloride	5.502	117	109233	5.373	ug/l	99
31) Isopropyl Ether	3.991	45	266256	5.060	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	226156m	5.104	ug/l	
33) Tert-Amyl methyl ether	5.943	73	166268	5.248	ug/l	99
34) Propionitrile	4.775	54	41198	24.923	ug/l #	95
35) Benzene	5.756	78	374819	5.329	ug/l	99
36) 1,2-Dichloroethane	5.785	62	106128	5.162	ug/l	100
37) Trichloroethene	6.531	130	88211	5.307	ug/l	97
38) 1,2-Dichloropropane	6.782	63	105038	5.407	ug/l	100
39) Methacrylonitrile	4.972	41	34078	4.954	ug/l	98
40) Methyl acrylate	4.846	55	47755	4.935	ug/l	97
41) Tetrahydrofuran	5.062	42	37099	10.027	ug/l	96
42) 1-Chlorobutane	5.438	56	171473m	5.199	ug/l	
43) Dibromomethane	6.910	93	48281	5.321	ug/l	98
44) Bromodichloromethane	7.097	83	115223	5.213	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063423.D
 Acq On : 23 Jun 2025 11:39
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:41:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue Jun 24 03:53:51 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	267563	27.468	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	29472m	9.479	ug/l	
47) Methyl methacrylate	6.965	69	79647	9.709	ug/l	99
48) Ethyl methacrylate	8.332	69	70049	5.037	ug/l	98
49) Toluene	7.962	92	217232	5.626	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	85370	5.356	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	116974	5.463	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	70304	5.300	ug/l	100
53) 1,3-Dichloropropane	8.566	76	121123	5.307	ug/l	100
54) 2-Hexanone	8.685	43	180620	25.883	ug/l	98
55) Dibromochloromethane	8.801	129	72546	5.301	ug/l	99
56) 1,2-Dibromoethane	8.917	107	57181	5.317	ug/l	99
58) Tetrachloroethene	8.544	164	86434	5.301	ug/l	98
59) Chlorobenzene	9.441	112	225893	5.464	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	77275	5.193	ug/l	99
61) Pentachloroethane	11.418	117	64312	5.305	ug/l	98
62) Hexachloroethane	12.466	117	58851	5.398	ug/l	98
63) Ethyl Benzene	9.563	91	368939	5.567	ug/l	100
64) m/p-Xylenes	9.685	106	298216	9.931	ug/l	98
65) o-Xylene	10.094	106	141568	5.623	ug/l	99
66) Styrene	10.106	104	240618	4.996	ug/l	99
67) Bromoform	10.283	173	40552	5.423	ug/l	98
69) Isopropylbenzene	10.476	105	330244	5.662	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	90666	5.343	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	78476m	5.558	ug/l	
72) Bromobenzene	10.775	156	90867	5.550	ug/l	83
73) n-propylbenzene	10.897	120	101751	5.001	ug/l	98
74) 2-Chlorotoluene	10.978	126	92225	5.698	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	335271	5.024	ug/l	100
76) 4-Chlorotoluene	11.090	126	97063	5.725	ug/l	97
77) tert-Butylbenzene	11.412	119	299778	5.594	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	337527	5.002	ug/l	98
79) sec-Butylbenzene	11.634	105	432901	5.703	ug/l	100
80) Nitrobenzene	13.209	77	18357m	23.782	ug/l	
81) p-Isopropyltoluene	11.785	119	346078	4.959	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	183260	5.403	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	195472	5.559	ug/l	99
84) n-Butylbenzene	12.200	91	345741	5.564	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	178472	5.498	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	13285	5.695	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	94156	5.203	ug/l	100
88) Hexachlorobutadiene	14.010	225	68268	5.320	ug/l	98
89) Naphthalene	14.081	128	152014	4.577	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	92902	5.163	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063423.D
 Acq On : 23 Jun 2025 11:39
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025

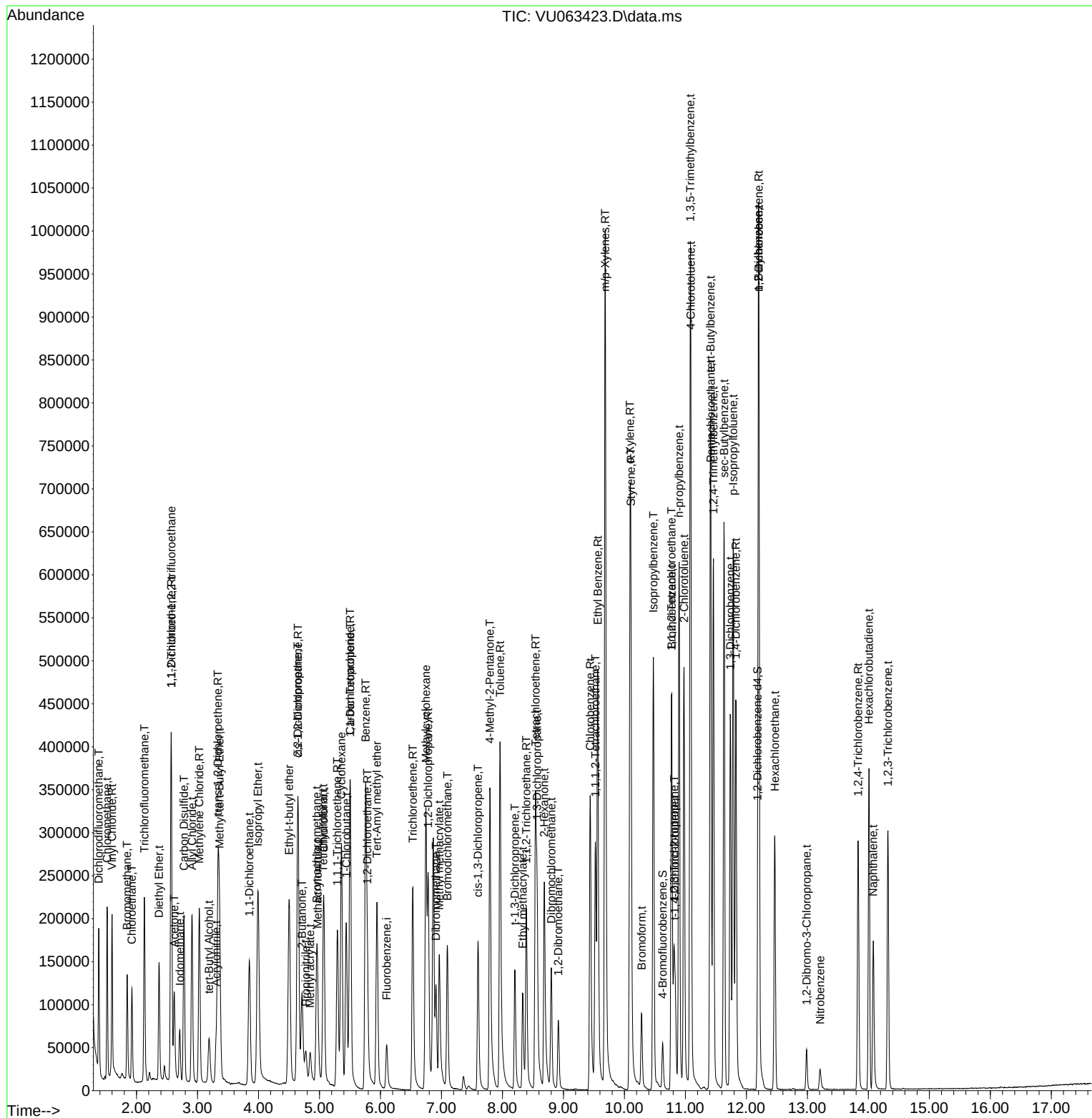
Quant Time: Jun 24 04:41:34 2025

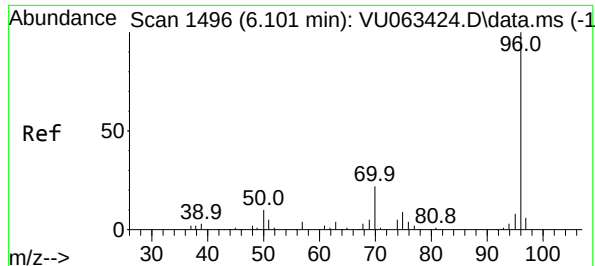
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue Jun 24 03:53:51 2025

Response via : Initial Calibration





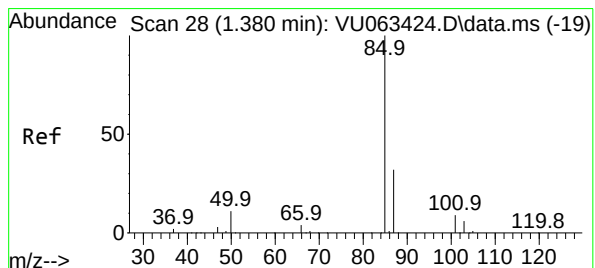
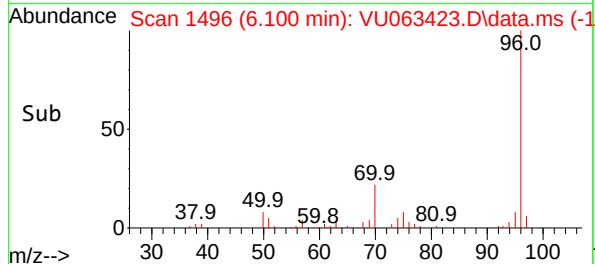
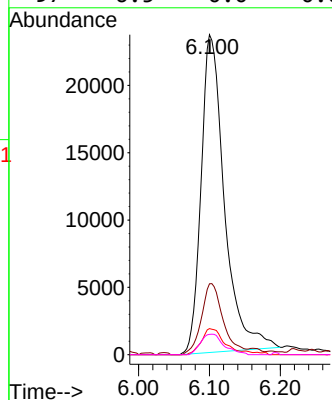
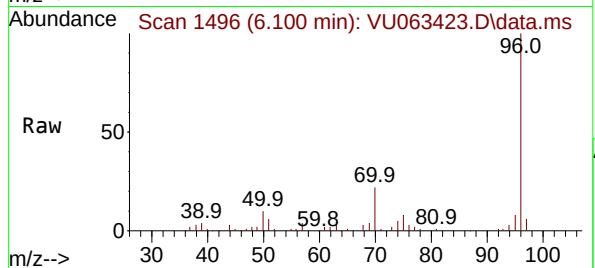
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. -0.001 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 96	Resp: 5397
Ion Ratio	Lower Upper
96 100	
70 18.8	16.4 24.6
95 6.8	6.2 9.2
97 6.5	0.0 0.0

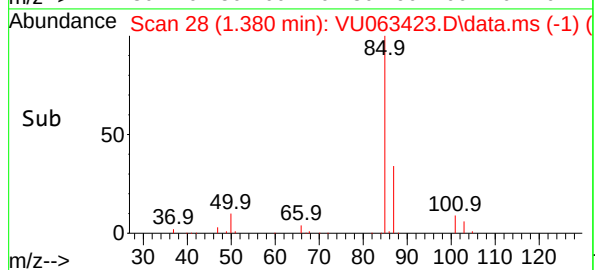
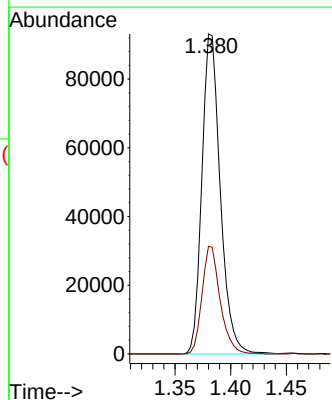
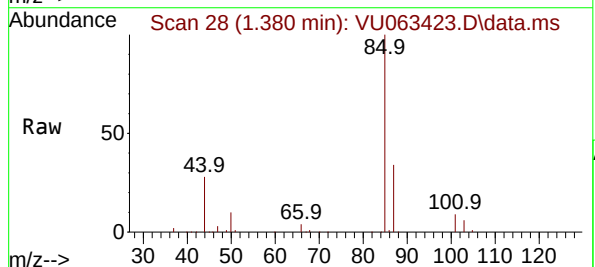
Manual Integrations
APPROVED

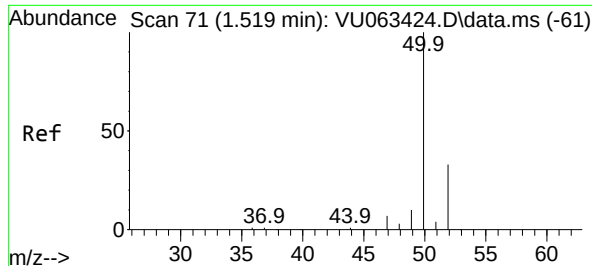
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 5.154 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion: 85	Resp: 106845
Ion Ratio	Lower Upper
85 100	
87 33.7	16.2 48.5





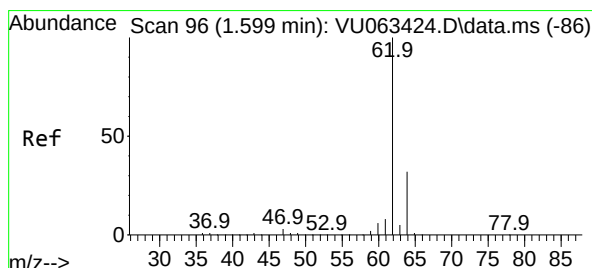
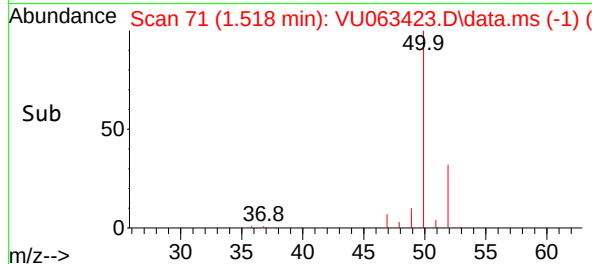
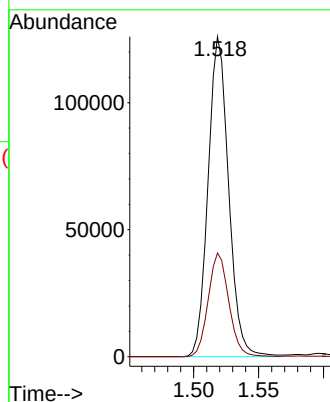
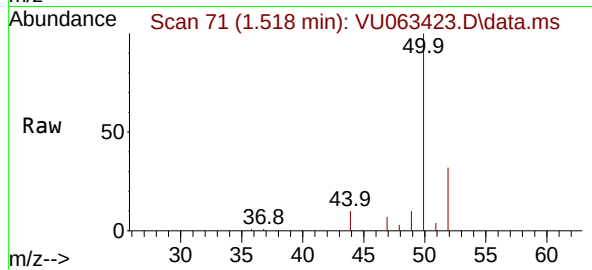
#3
Chloromethane
Concen: 5.078 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 138679
Ion Ratio Lower Upper
50 100
52 32.4 26.6 40.0

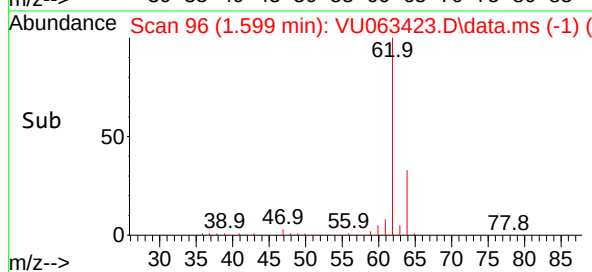
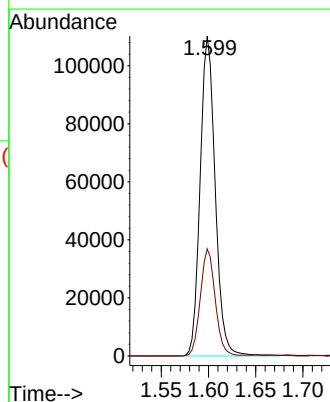
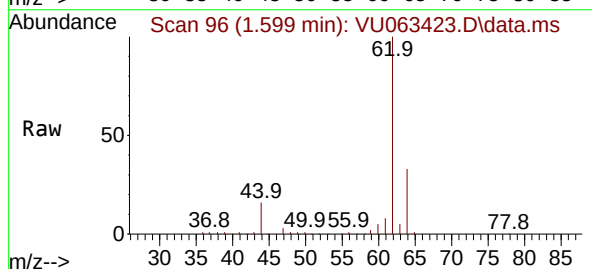
Manual Integrations
APPROVED

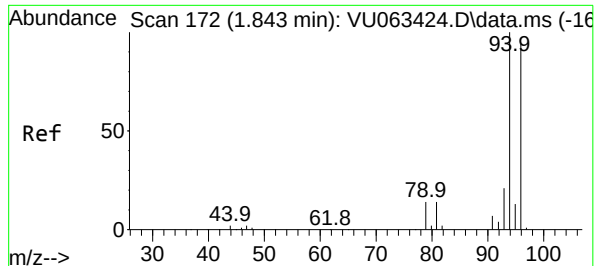
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 5.226 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

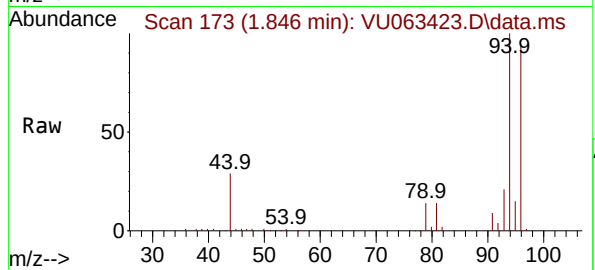
Tgt Ion: 62 Resp: 122212
Ion Ratio Lower Upper
62 100
64 33.5 25.7 38.5





#5
Bromomethane
Concen: 5.048 ug/l
RT: 1.846 min Scan# 173
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

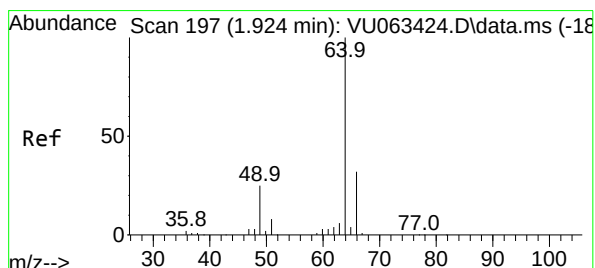
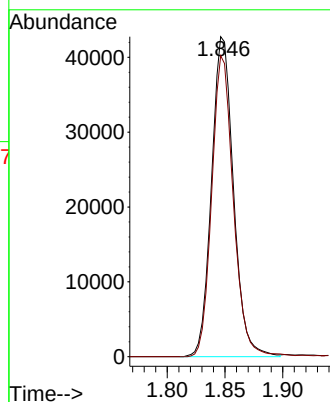
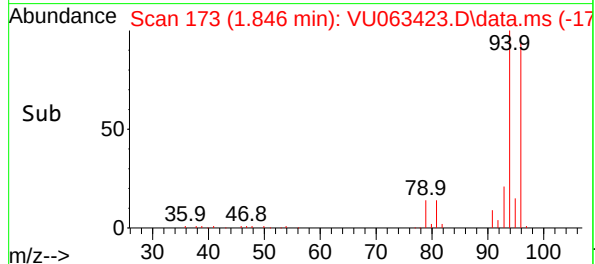
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 5656
Ion Ratio Lower Upper
94 100
96 94.1 74.8 112.2

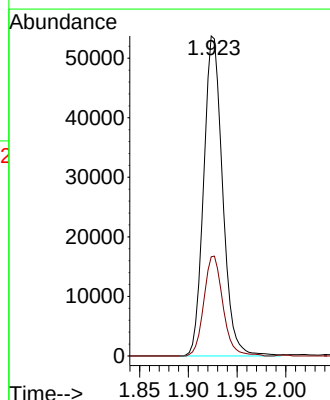
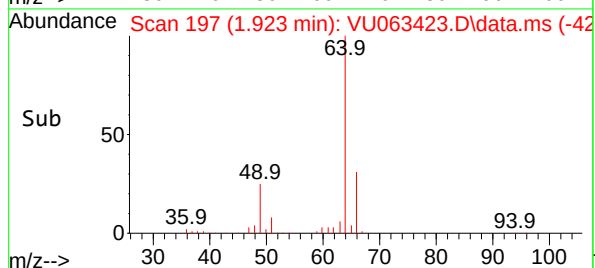
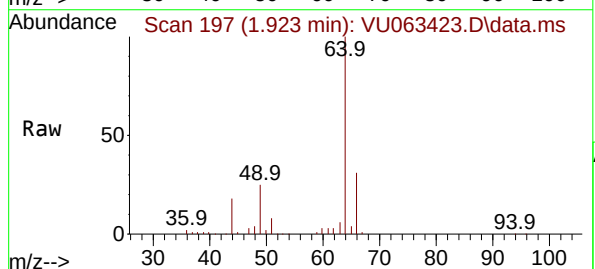
Manual Integrations
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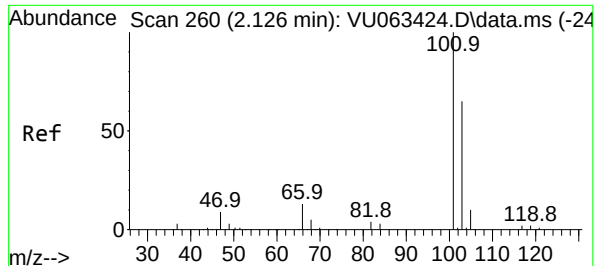
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 5.241 ug/l
RT: 1.923 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion: 64 Resp: 72598
Ion Ratio Lower Upper
64 100
66 31.0 25.7 38.5





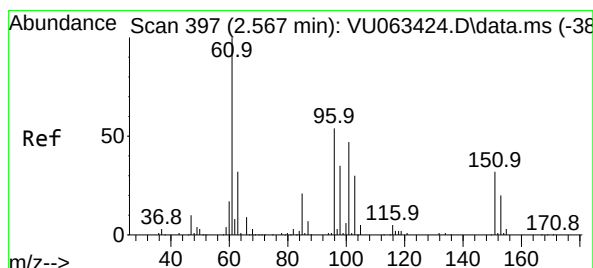
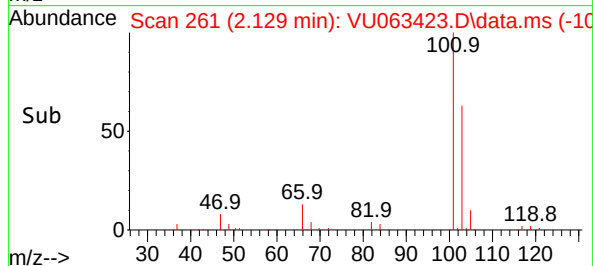
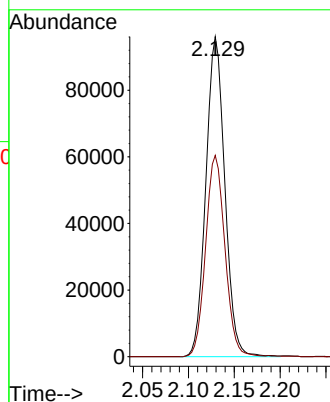
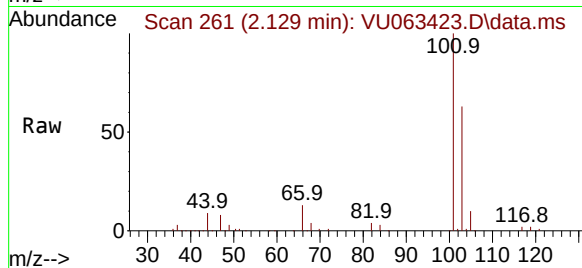
#7
Trichlorofluoromethane
Concen: 5.172 ug/l
RT: 2.129 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 13792
Ion Ratio Lower Upper
101 100
103 62.9 52.3 78.5

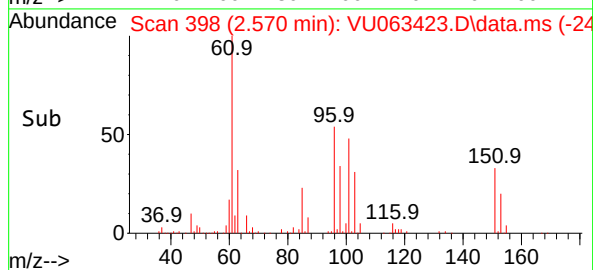
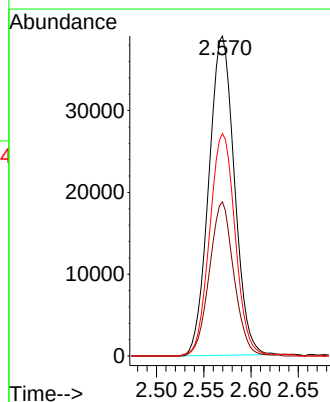
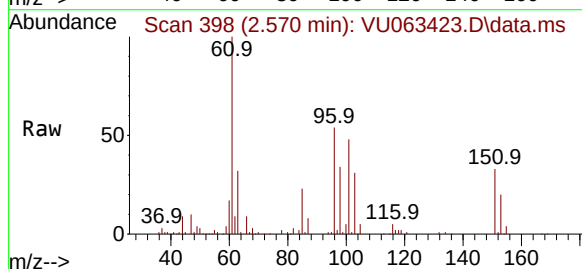
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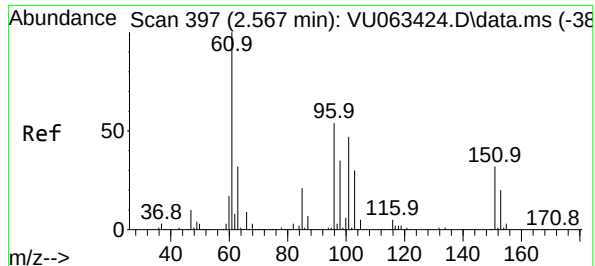
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.179 ug/l
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion:101 Resp: 73554
Ion Ratio Lower Upper
101 100
85 46.2 36.7 55.1
151 69.9 53.9 80.9





#9

1,1-Dichloroethene

Concen: 5.222 ug/l

RT: 2.570 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 74019

Ion Ratio Lower Upper

96 100

61 185.2 0.0 552.0

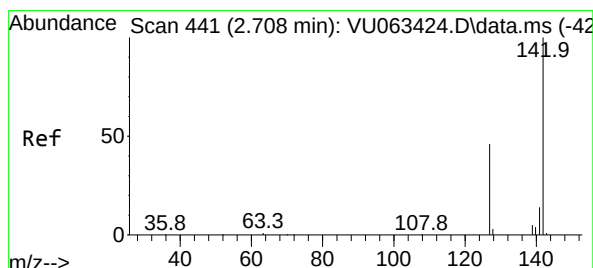
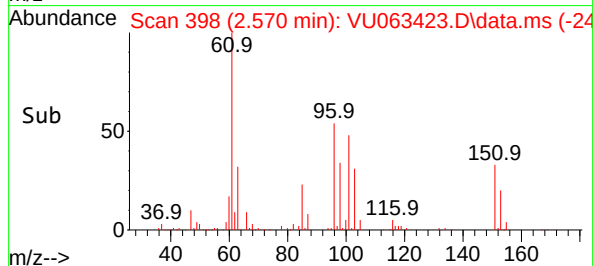
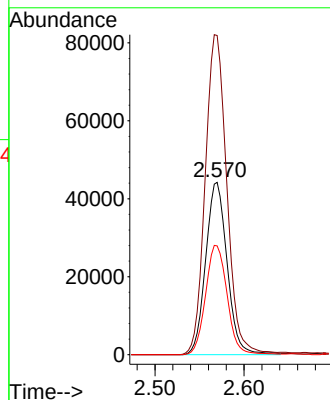
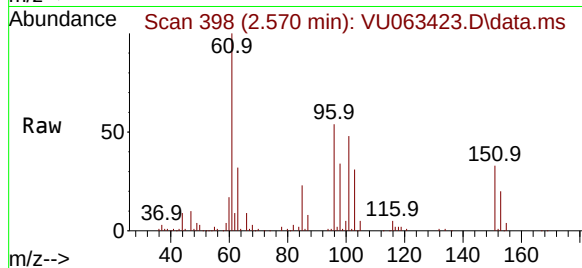
98 63.2 0.0 128.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#10

Iodomethane

Concen: 5.203 ug/l

RT: 2.711 min Scan# 442

Delta R.T. 0.003 min

Lab File: VU063423.D

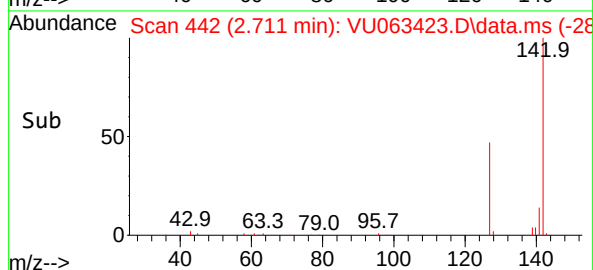
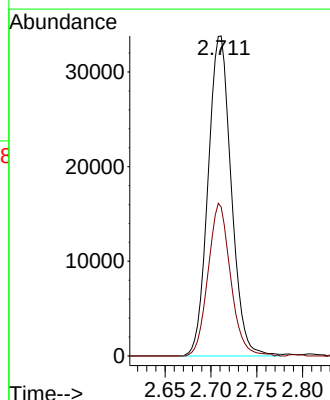
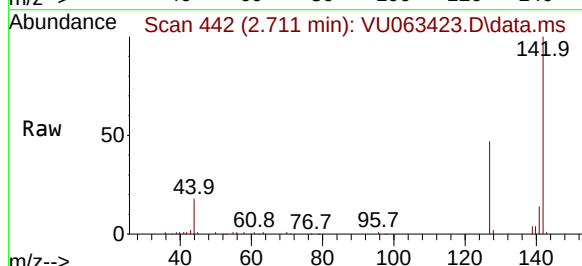
Acq: 23 Jun 2025 11:39

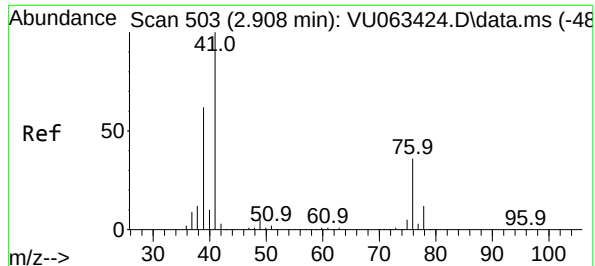
Tgt Ion:142 Resp: 59524

Ion Ratio Lower Upper

142 100

127 46.3 36.9 55.3





#11

Allyl Chloride

Concen: 5.158 ug/l

RT: 2.911 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 130200

Ion Ratio Lower Upper

41 100

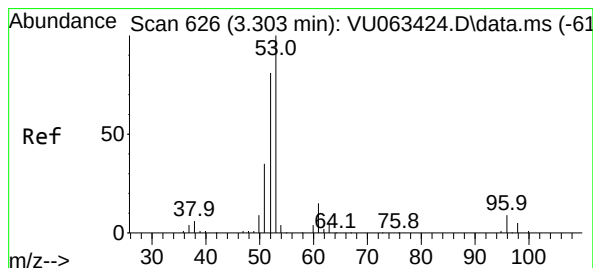
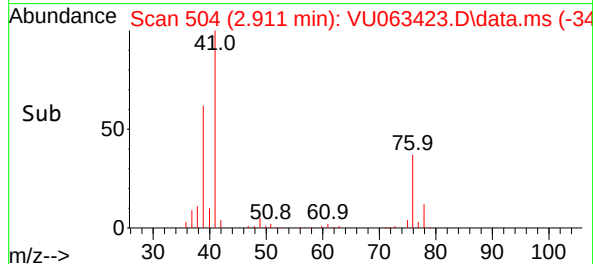
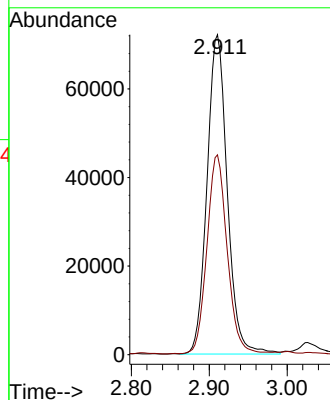
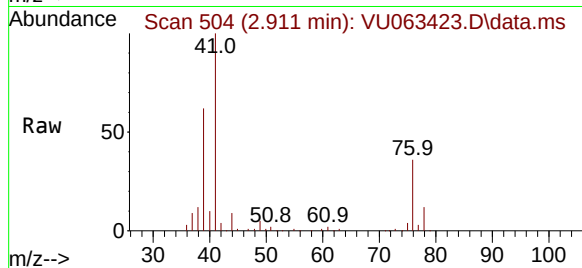
39 62.0 50.3 75.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#12

Acrylonitrile

Concen: 10.326 ug/l

RT: 3.306 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

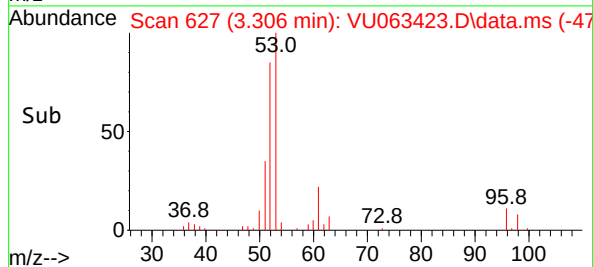
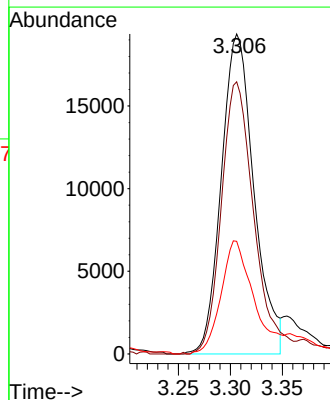
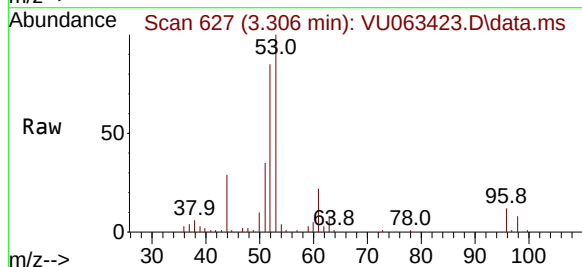
Tgt Ion: 53 Resp: 42288

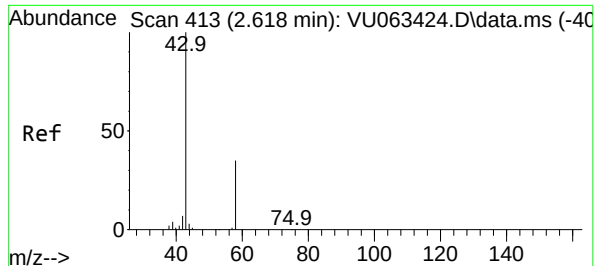
Ion Ratio Lower Upper

53 100

52 84.7 62.8 94.2

51 35.7 26.2 39.4





#13

Acetone

Concen: 30.131 ug/l

RT: 2.618 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 111230

Ion Ratio Lower Upper

43 100

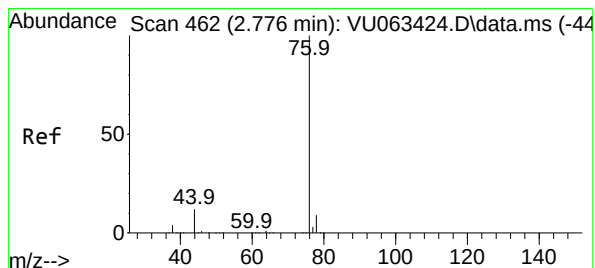
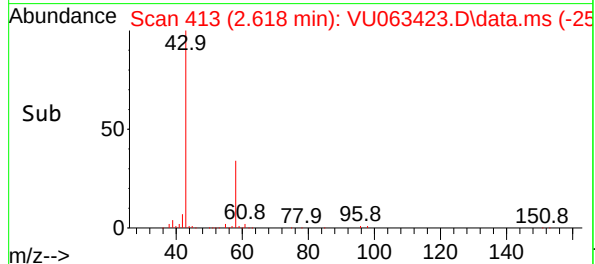
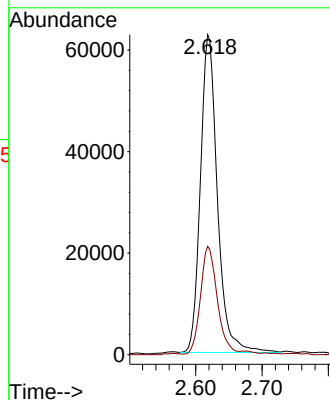
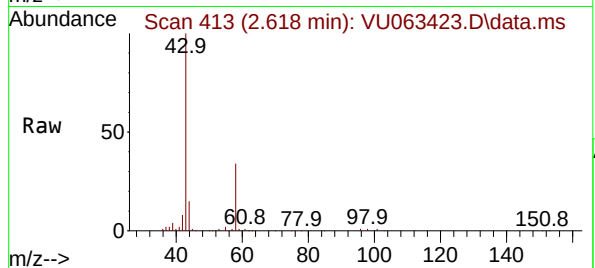
58 33.8 28.3 42.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 5.136 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063423.D

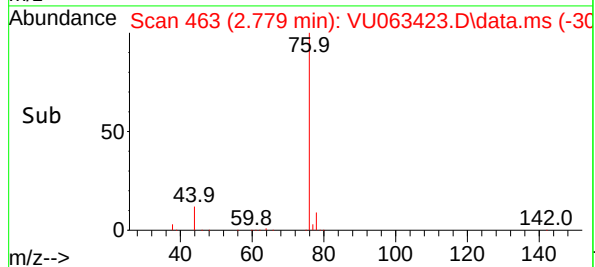
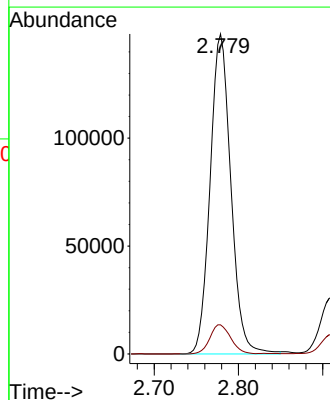
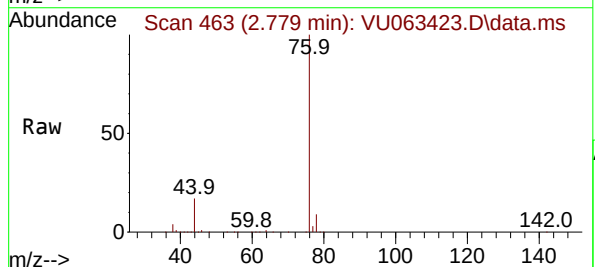
Acq: 23 Jun 2025 11:39

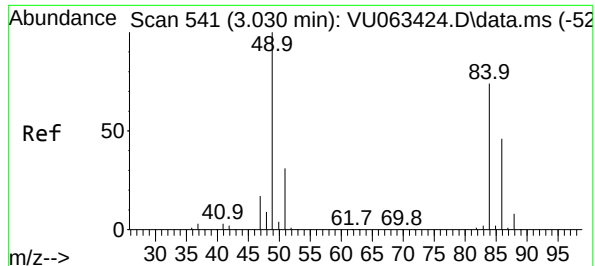
Tgt Ion: 76 Resp: 253848

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3





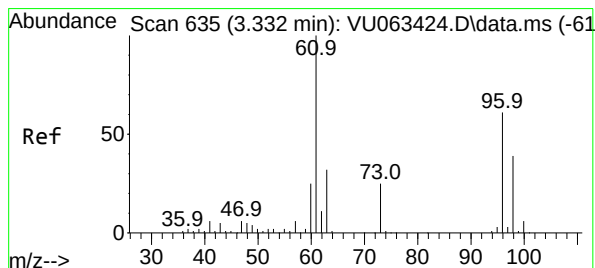
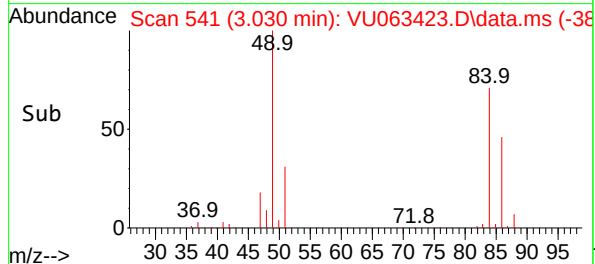
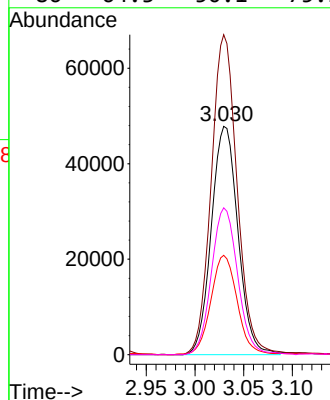
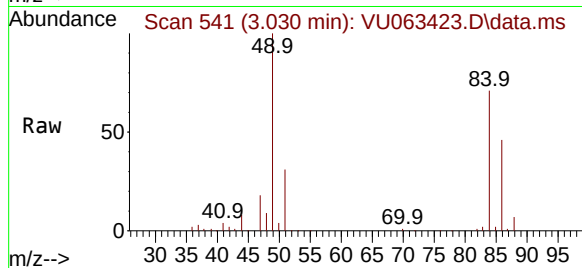
#15
Methylene Chloride
Concen: 5.064 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 84 Resp: 9096
Ion Ratio Lower Upper
84 100
49 140.1 108.7 163.1
51 43.2 0.0 83.8
86 64.3 50.1 75.1

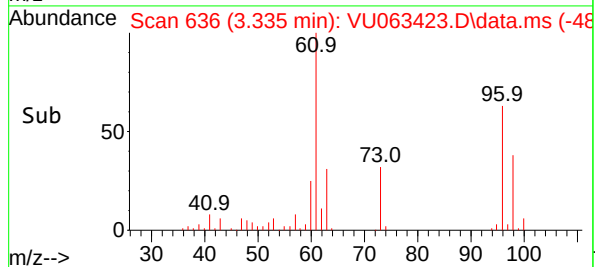
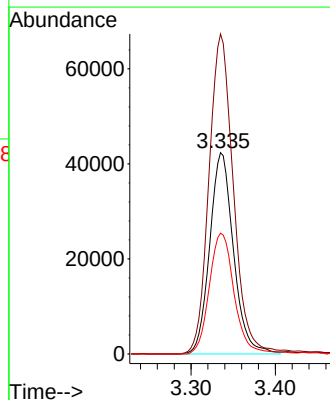
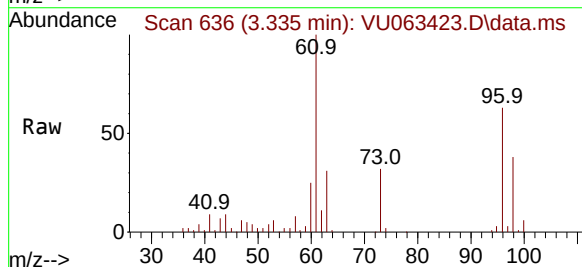
Manual Integrations
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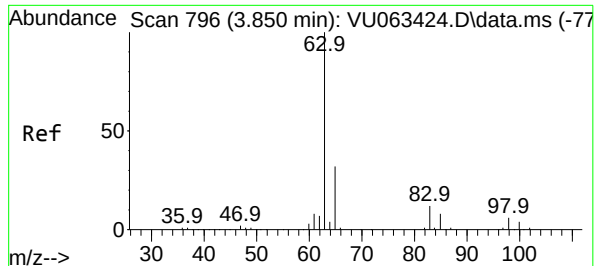
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#16
trans-1,2-Dichloroethene
Concen: 5.220 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion: 96 Resp: 83247
Ion Ratio Lower Upper
96 100
61 159.0 132.1 198.1
98 60.0 51.0 76.4





#17

1,1-Dichloroethane

Concen: 5.194 ug/l

RT: 3.849 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 173905

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

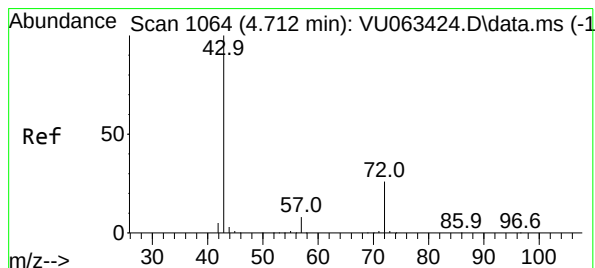
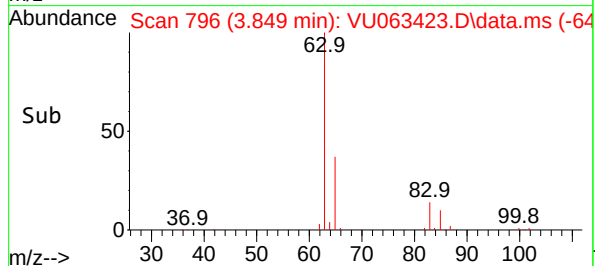
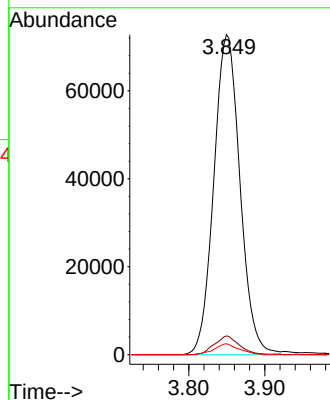
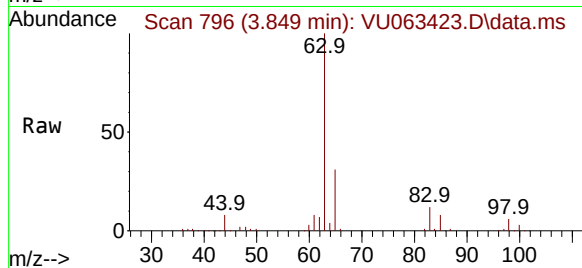
100 3.4 1.9 5.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 27.315 ug/l

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU063423.D

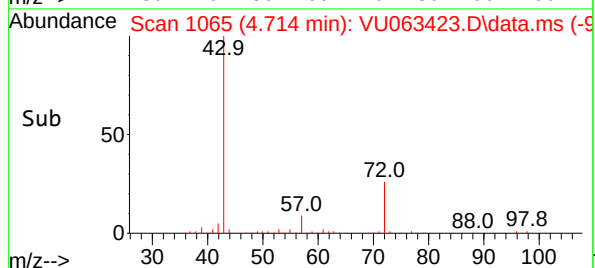
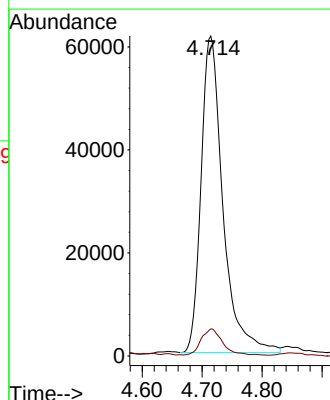
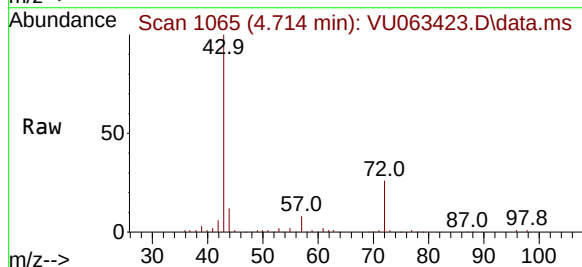
Acq: 23 Jun 2025 11:39

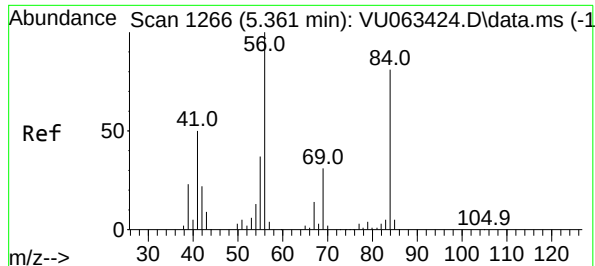
Tgt Ion: 43 Resp: 156094

Ion Ratio Lower Upper

43 100

57 8.1 0.0 16.0





#19

Cyclohexane

Concen: 5.213 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 132056

Ion Ratio Lower Upper

56 100

69 31.9 26.4 39.6

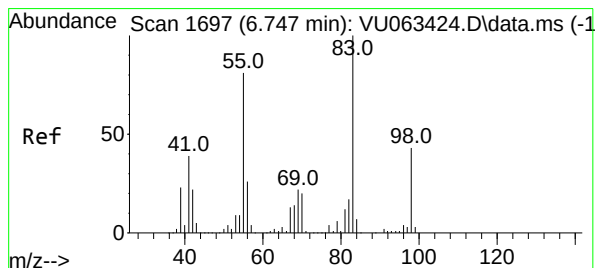
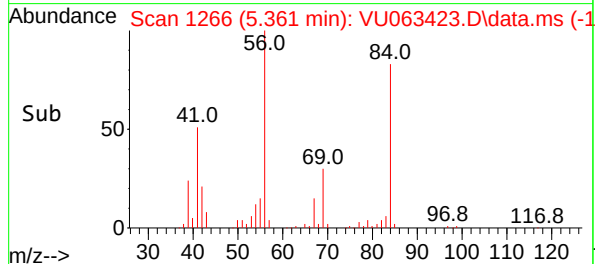
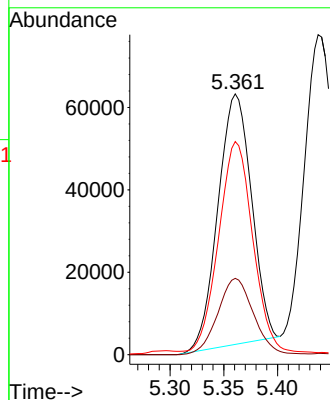
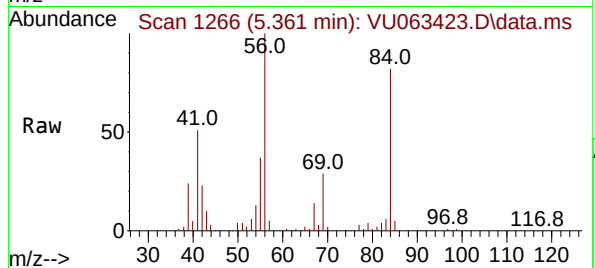
84 84.7 68.6 102.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 5.233 ug/l m

RT: 6.746 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

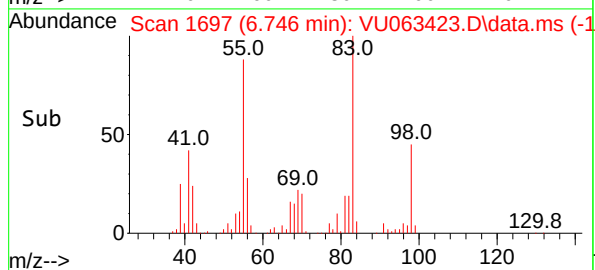
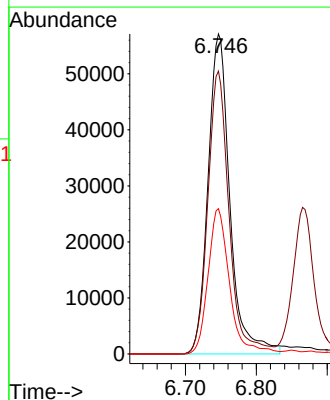
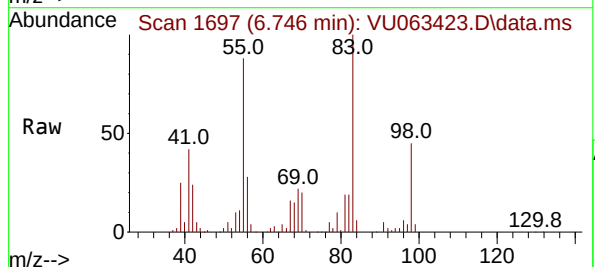
Tgt Ion: 83 Resp: 122493

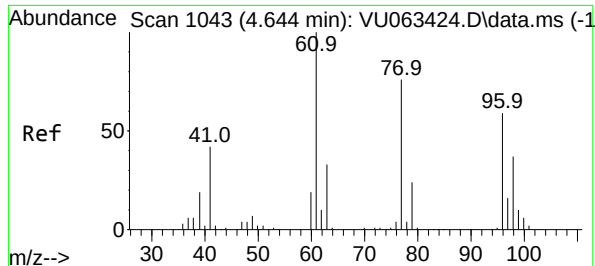
Ion Ratio Lower Upper

83 100

55 82.0 63.5 95.3

98 43.4 34.2 51.4





#21

2,2-Dichloropropane

Concen: 5.170 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 12304

Ion Ratio Lower Upper

77 100

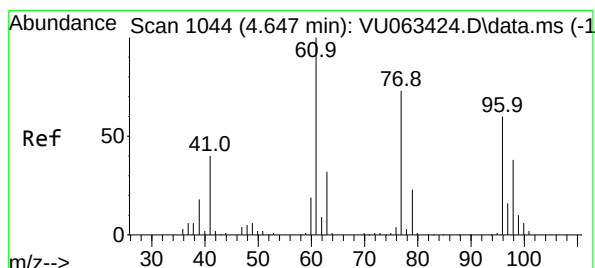
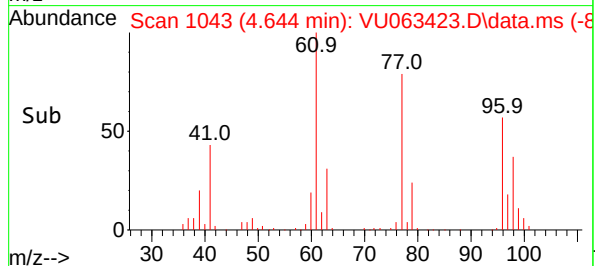
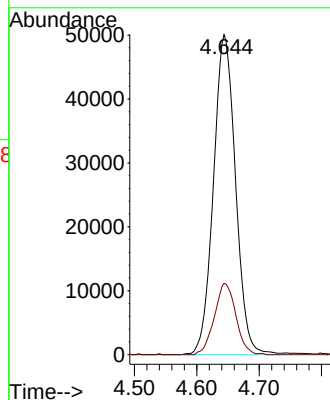
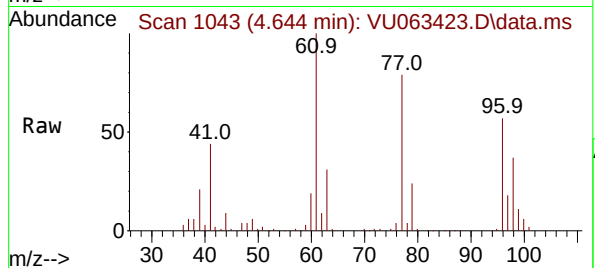
97 21.6 17.2 25.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#22

cis-1,2-Dichloroethene

Concen: 5.192 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

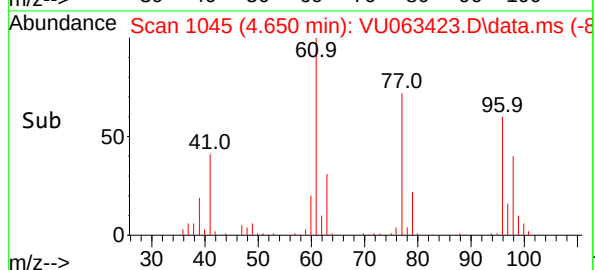
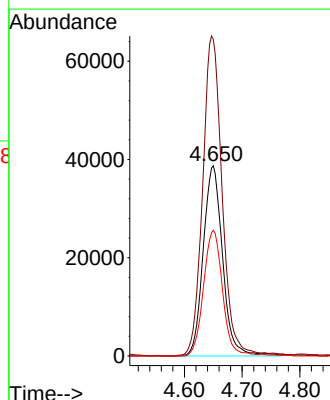
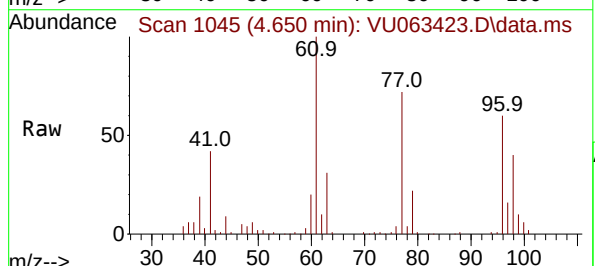
Tgt Ion: 96 Resp: 90374

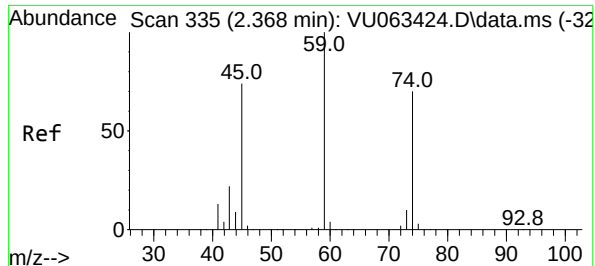
Ion Ratio Lower Upper

96 100

61 168.1 0.0 434.3

98 64.5 31.9 95.7





#23

Diethyl Ether

Concen: 5.219 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 66740

Ion Ratio Lower Upper

59 100

45 73.2 60.7 91.1

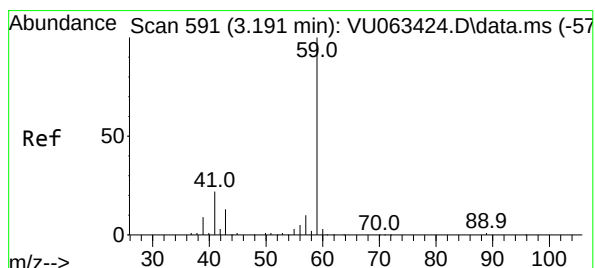
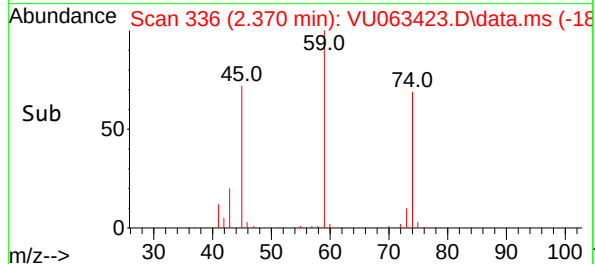
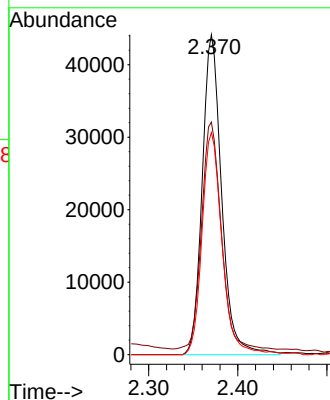
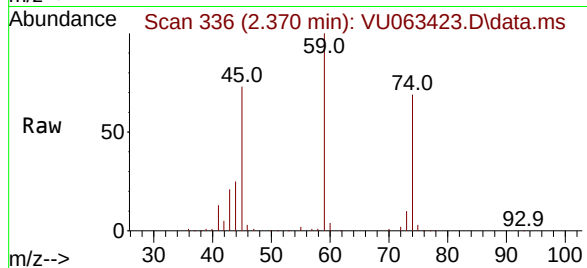
74 71.3 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#24

tert-Butyl Alcohol

Concen: 50.962 ug/l

RT: 3.190 min Scan# 591

Delta R.T. -0.000 min

Lab File: VU063423.D

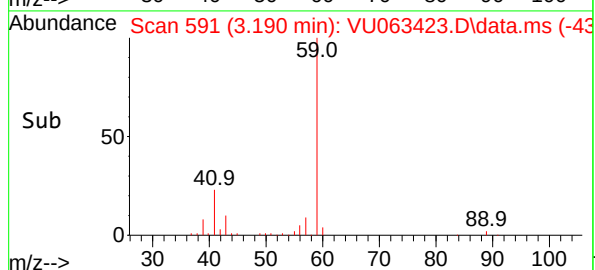
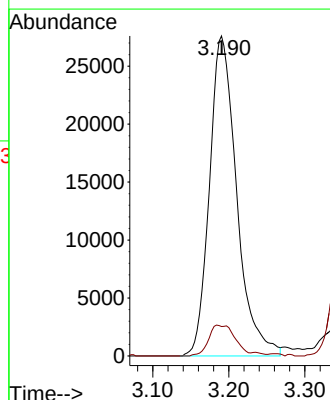
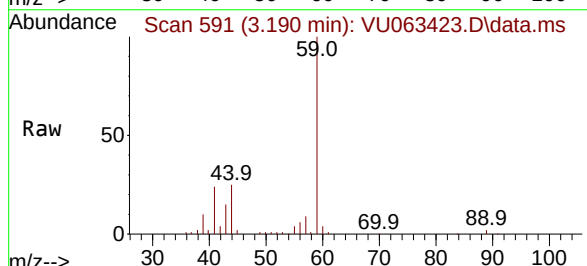
Acq: 23 Jun 2025 11:39

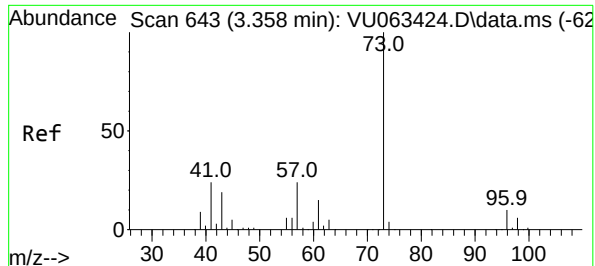
Tgt Ion: 59 Resp: 68651

Ion Ratio Lower Upper

59 100

57 9.3 7.8 11.8





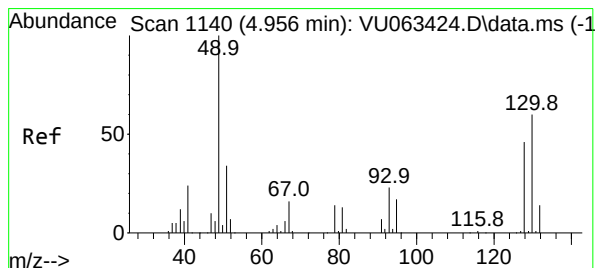
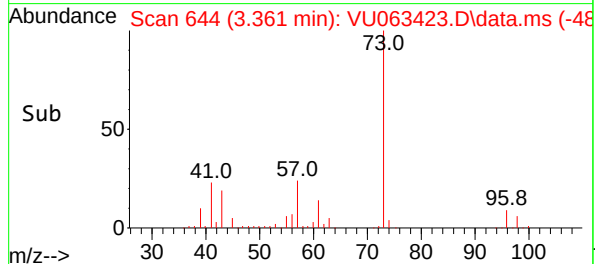
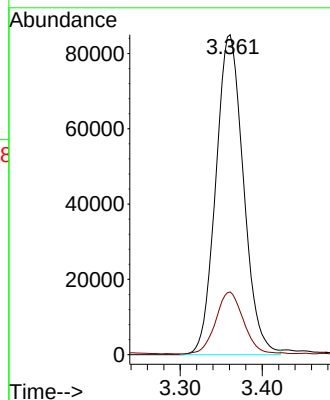
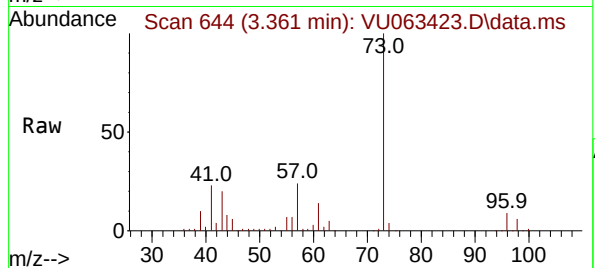
#25
Methyl tert-Butyl Ether
Concen: 5.171 ug/l
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 199320
Ion Ratio Lower Upper
73 100
43 19.4 15.1 22.7

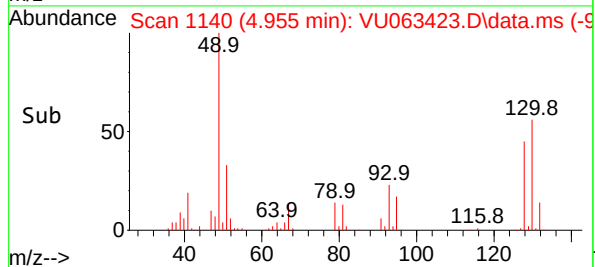
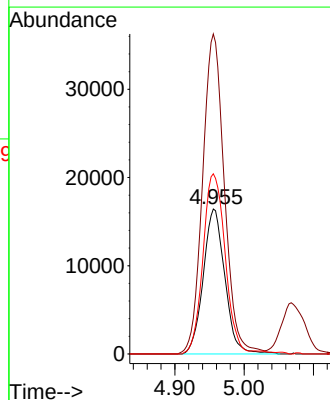
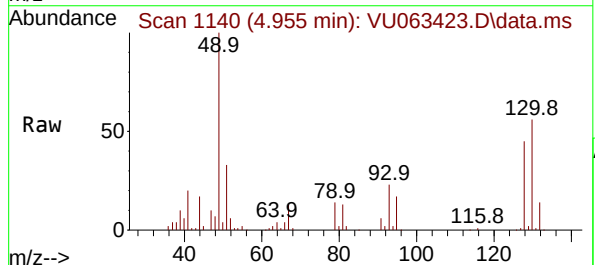
Manual Integrations
APPROVED

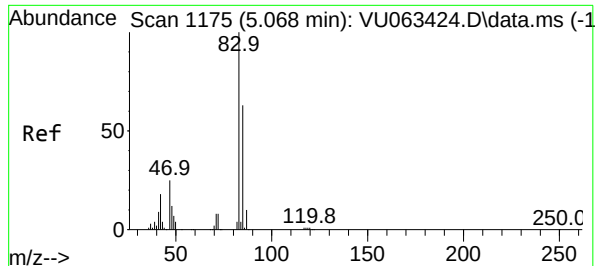
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#26
Bromochloromethane
Concen: 5.256 ug/l
RT: 4.955 min Scan# 1140
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion:128 Resp: 35606
Ion Ratio Lower Upper
128 100
49 222.1 0.0 441.2
130 127.1 102.3 153.5





#27

Chloroform

Concen: 5.164 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 16209

Ion Ratio Lower Upper

83 100

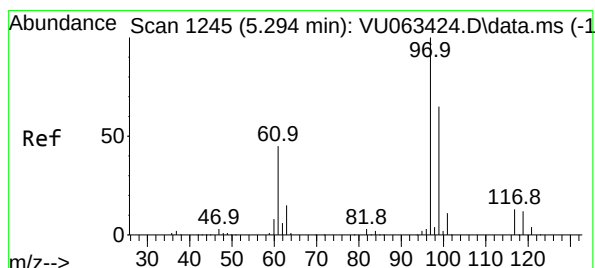
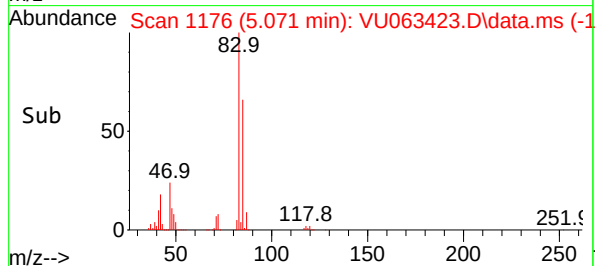
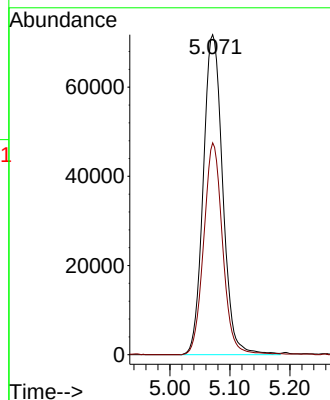
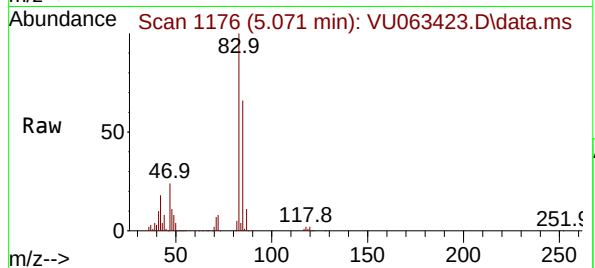
85 66.2 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 5.356 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

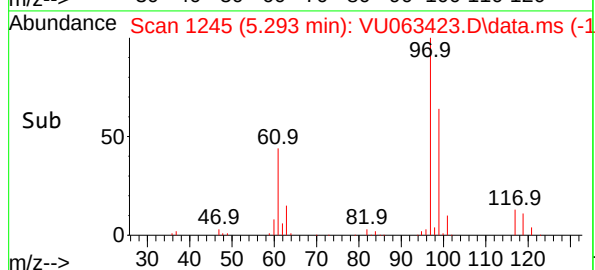
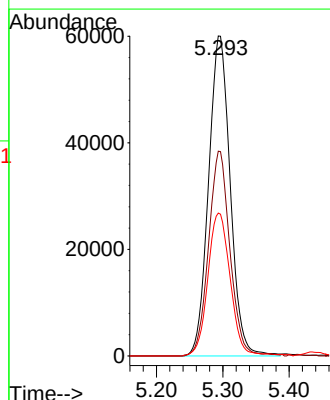
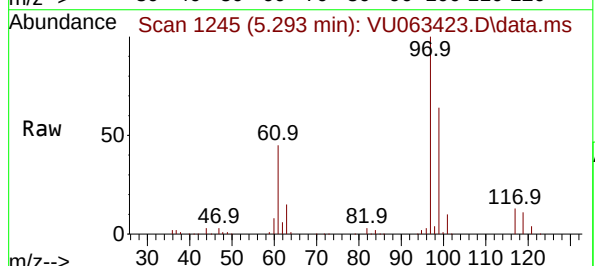
Tgt Ion: 97 Resp: 136327

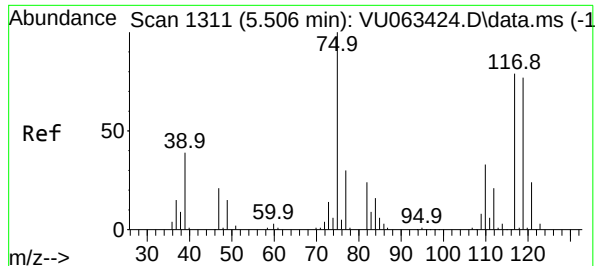
Ion Ratio Lower Upper

97 100

99 62.8 31.9 95.5

61 45.9 22.9 68.7





#29

1,1-Dichloropropene

Concen: 5.355 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. -0.001 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 124508

Ion Ratio Lower Upper

75 100

110 33.8 17.4 52.2

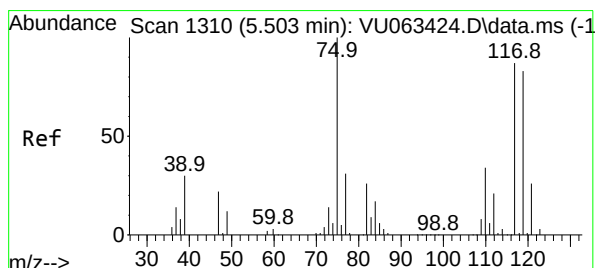
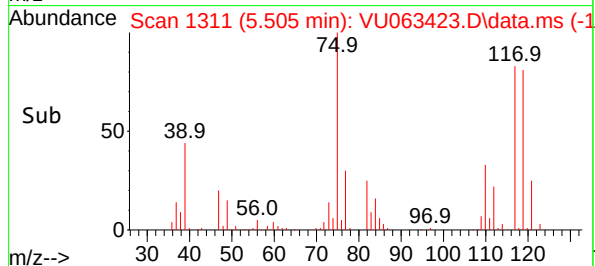
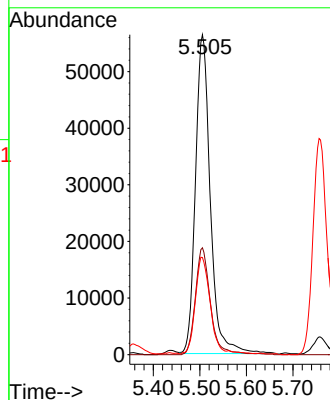
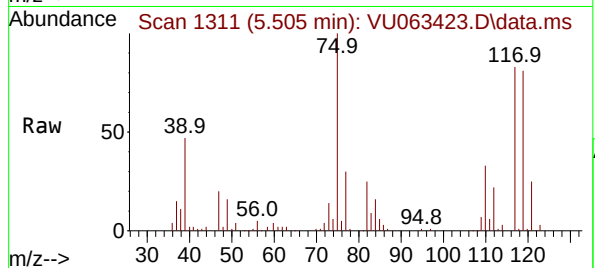
77 29.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 5.373 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

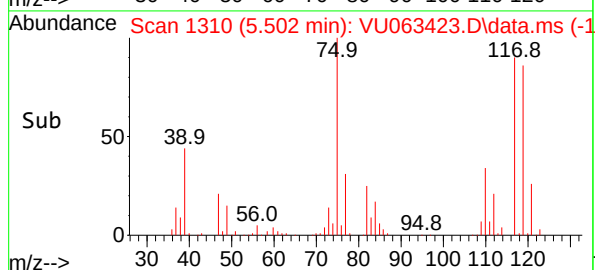
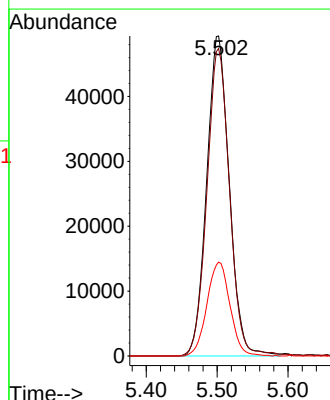
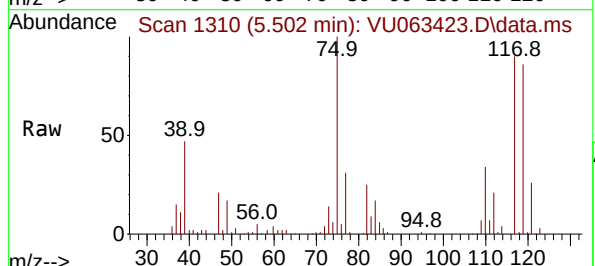
Tgt Ion:117 Resp: 109233

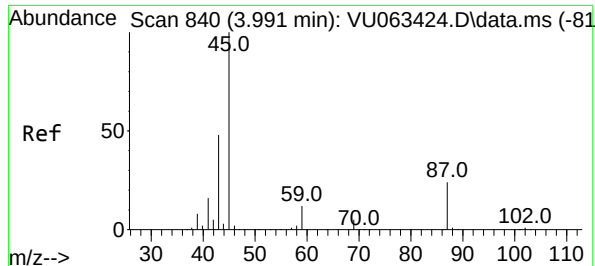
Ion Ratio Lower Upper

117 100

119 96.1 76.7 115.1

121 29.3 24.3 36.5





#31

Isopropyl Ether

Concen: 5.060 ug/l

RT: 3.991 min Scan# 840

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 45 Resp: 266250

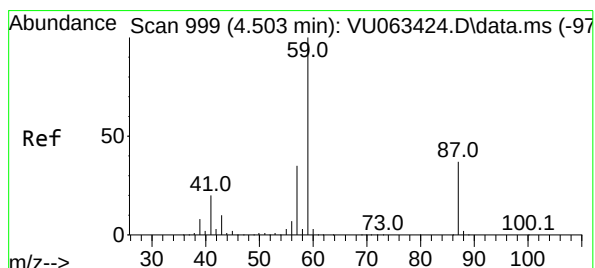
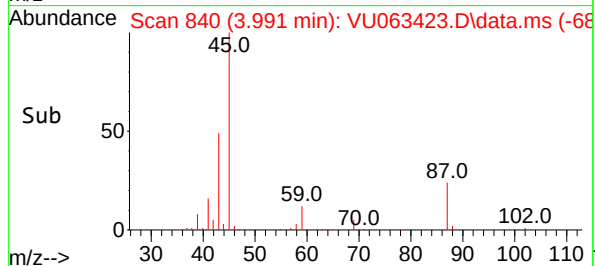
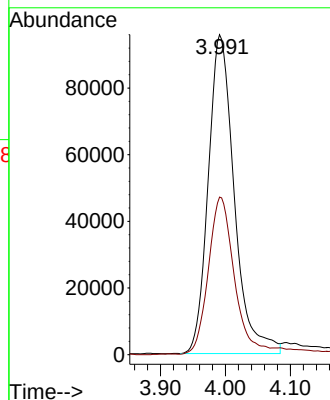
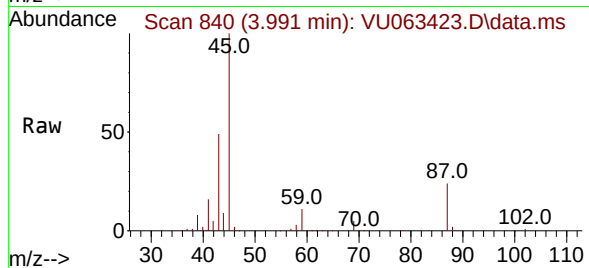
Ion Ratio Lower Upper

45 100

43 49.0 23.8 71.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#32

Ethyl-t-butyl ether

Concen: 5.104 ug/l m

RT: 4.502 min Scan# 999

Delta R.T. -0.001 min

Lab File: VU063423.D

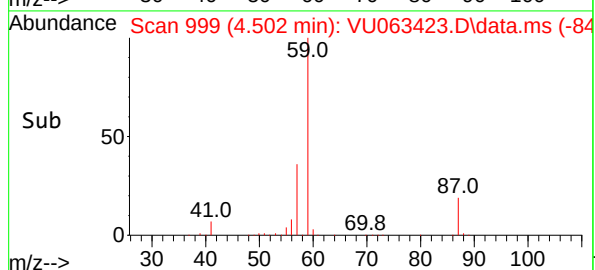
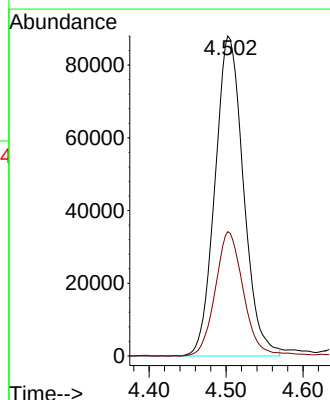
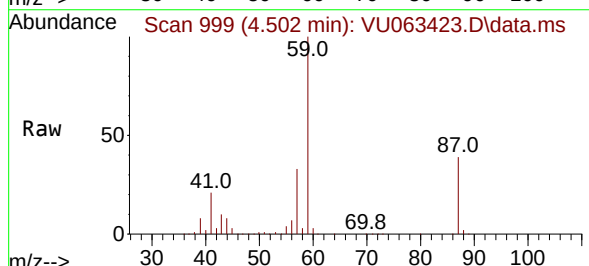
Acq: 23 Jun 2025 11:39

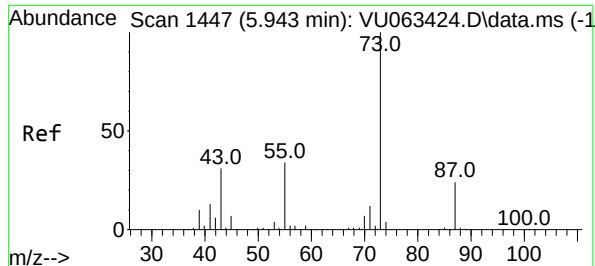
Tgt Ion: 59 Resp: 226156

Ion Ratio Lower Upper

59 100

87 38.0 29.9 44.9





#33

Tert-Amyl methyl ether

Concen: 5.248 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 16626

Ion Ratio Lower Upper

73 100

87 23.1 18.1 27.1

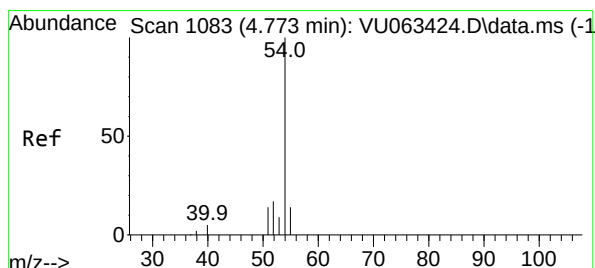
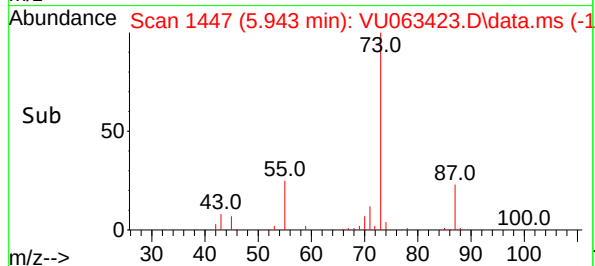
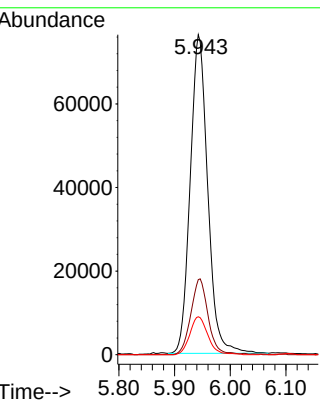
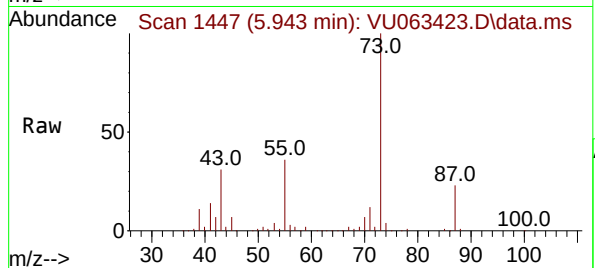
71 12.3 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#34

Propionitrile

Concen: 24.923 ug/l

RT: 4.775 min Scan# 1084

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion: 54 Resp: 41198

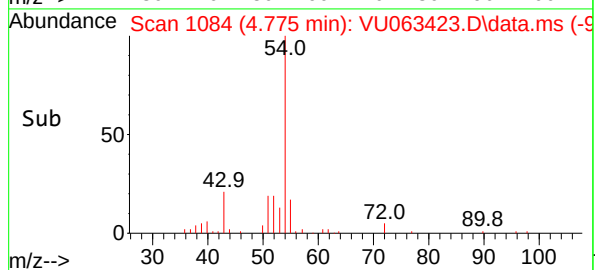
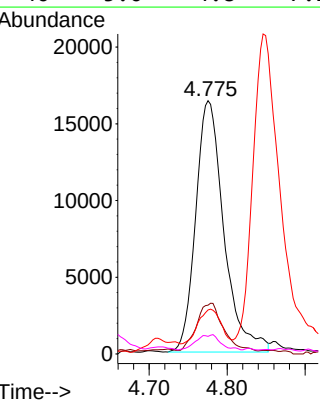
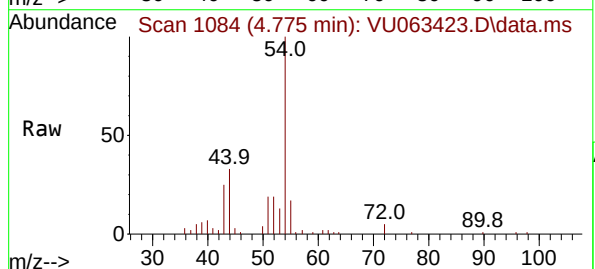
Ion Ratio Lower Upper

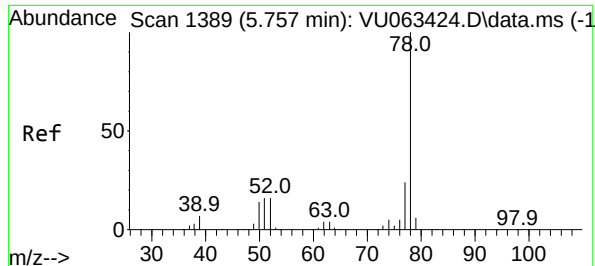
54 100

52 17.6 14.8 22.2

55 10.9 12.2 18.2#

40 5.0 4.8 7.2





#35

Benzene

Concen: 5.329 ug/l

RT: 5.756 min Scan# 1389

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

Tgt Ion: 78 Resp: 374819

Ion Ratio Lower Upper

78 100

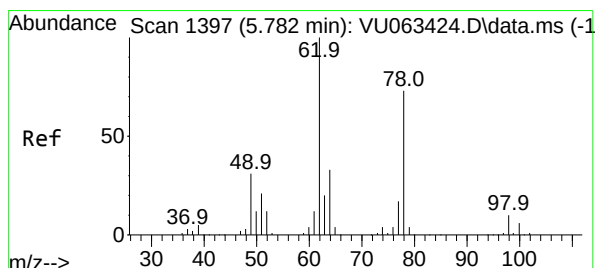
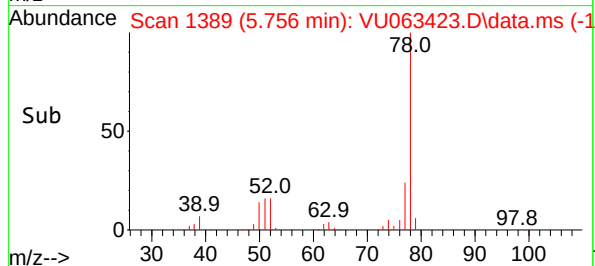
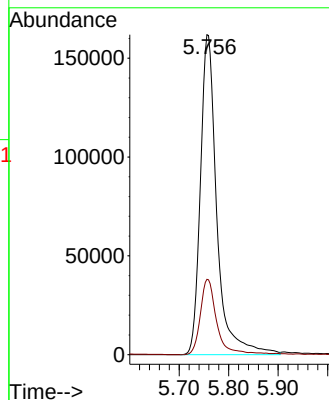
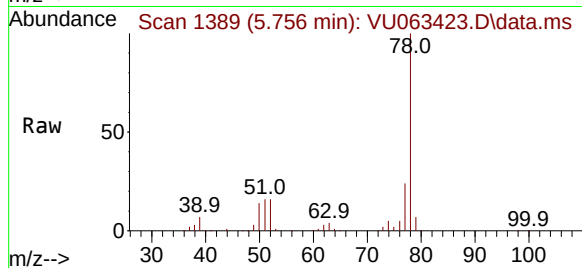
77 23.6 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#36

1,2-Dichloroethane

Concen: 5.162 ug/l

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU063423.D

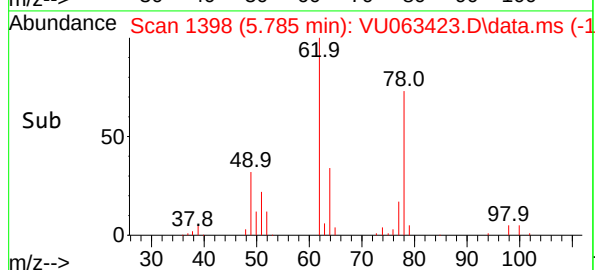
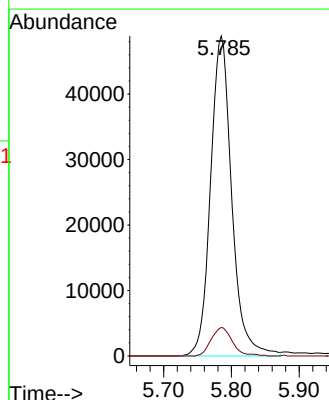
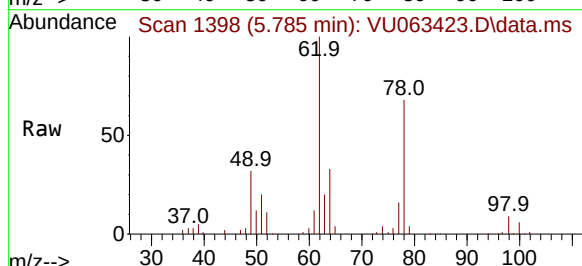
Acq: 23 Jun 2025 11:39

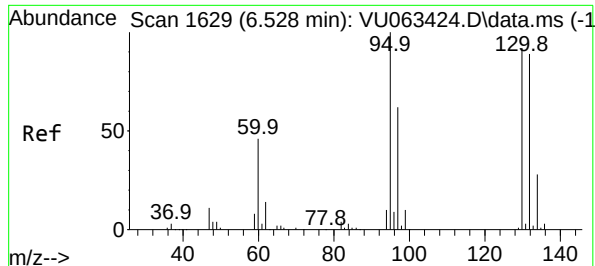
Tgt Ion: 62 Resp: 106128

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7





#37

Trichloroethene

Concen: 5.307 ug/l

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 8821

Ion Ratio Lower Upper

130 100

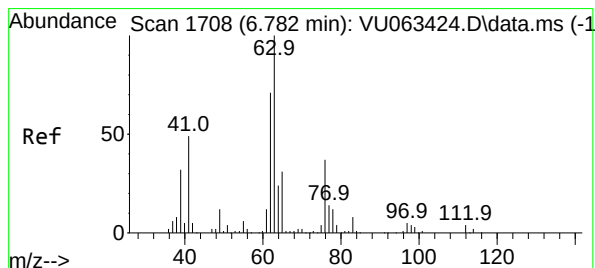
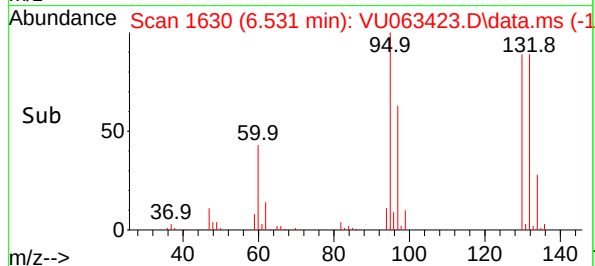
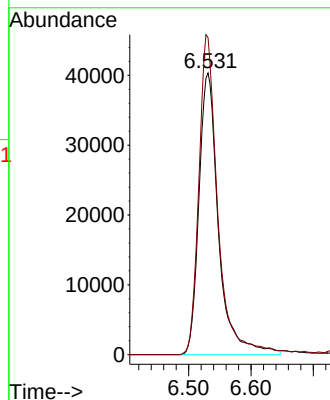
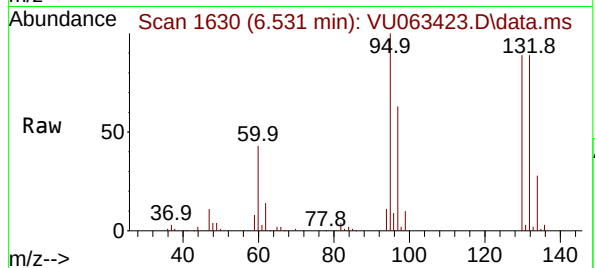
95 112.6 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 5.407 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VU063423.D

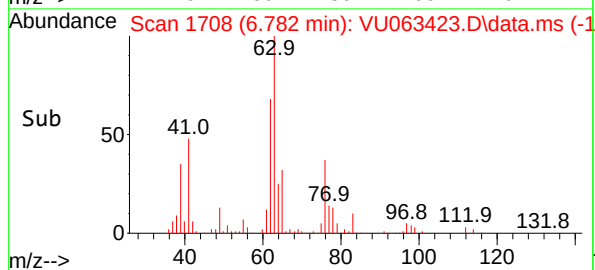
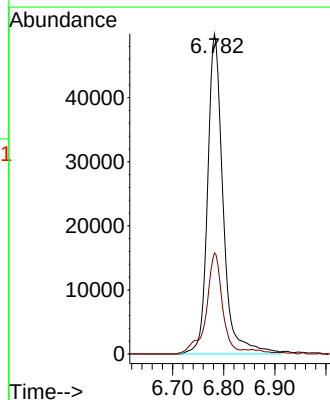
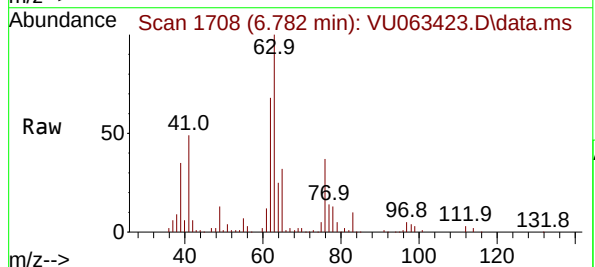
Acq: 23 Jun 2025 11:39

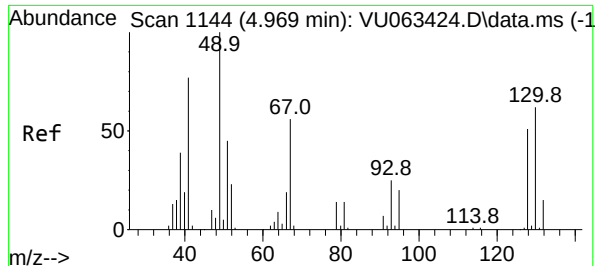
Tgt Ion: 63 Resp: 105038

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.6





#39

Methacrylonitrile

Concen: 4.954 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 34078

Ion Ratio Lower Upper

41 100

67 73.4 59.8 89.8

39 50.4 40.7 61.1

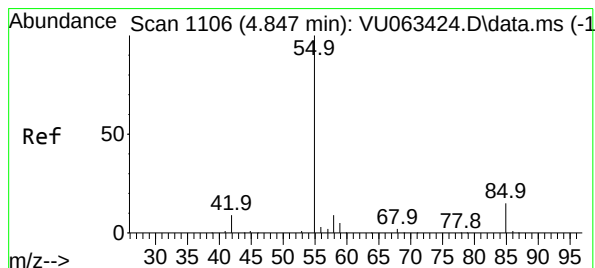
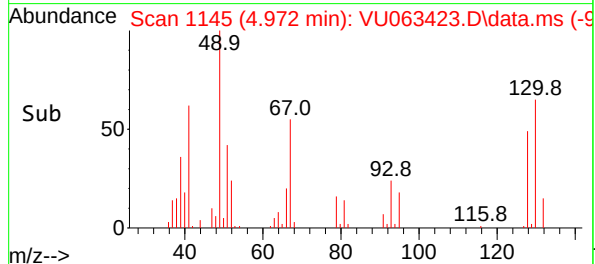
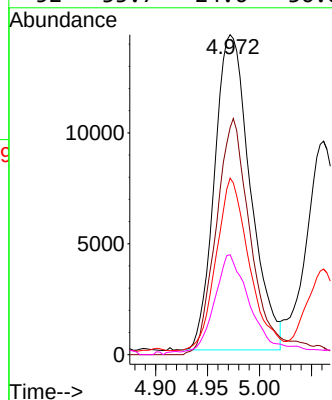
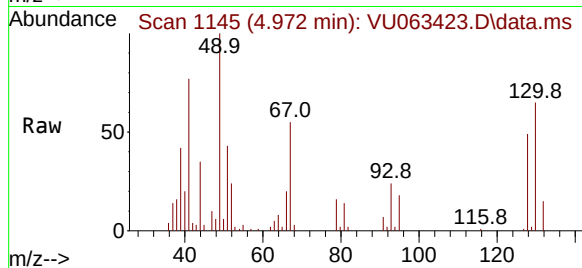
52 33.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 4.935 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion: 55 Resp: 47755

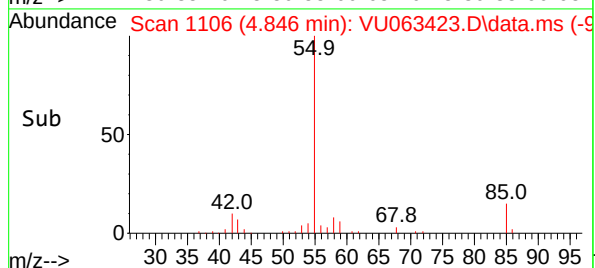
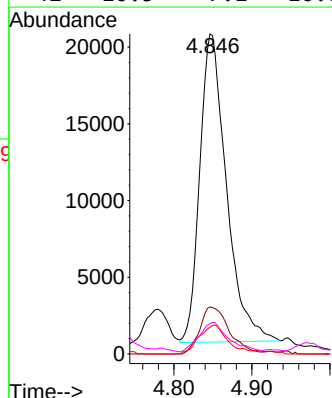
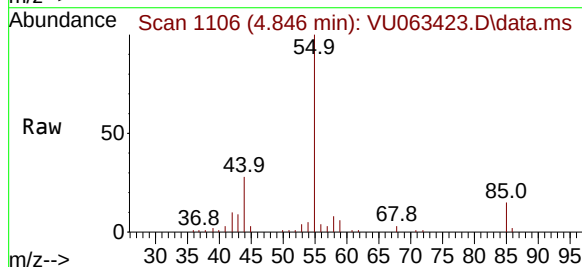
Ion Ratio Lower Upper

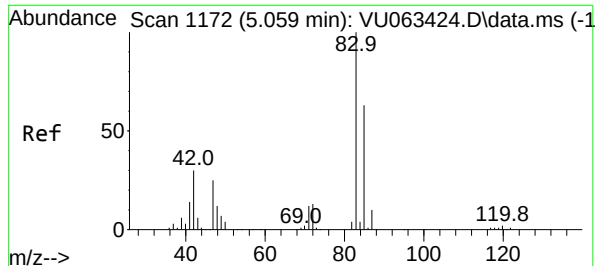
55 100

85 16.8 12.6 19.0

58 9.9 6.9 10.3

42 10.5 7.1 10.7





#41

Tetrahydrofuran

Concen: 10.027 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

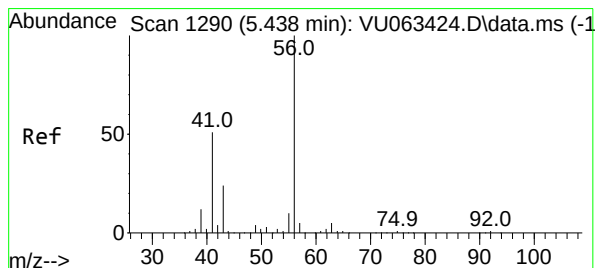
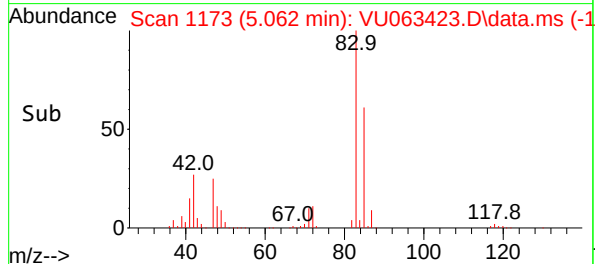
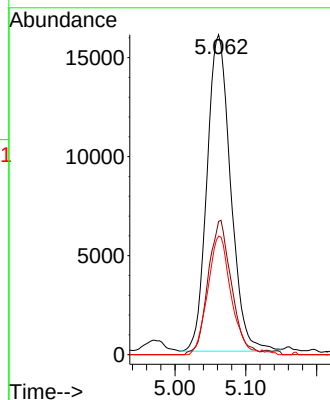
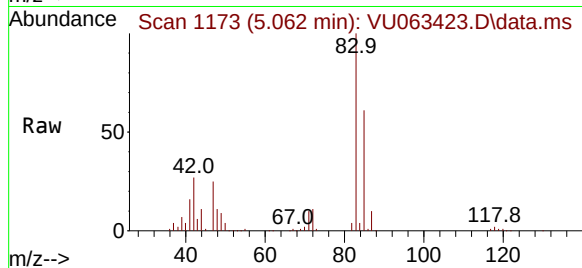
VSTDIC005

Tgt Ion:	42	Resp:	37099
Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.4	53.2
71	37.0	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 5.199 ug/l m

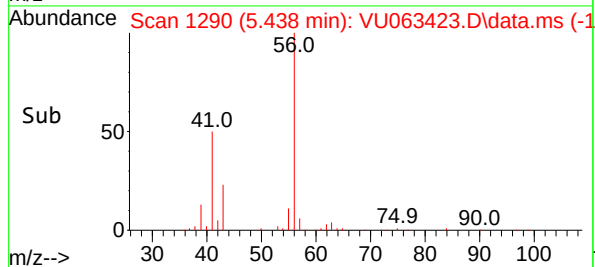
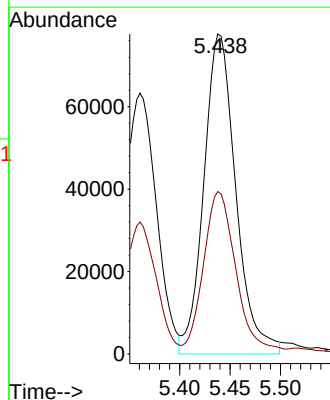
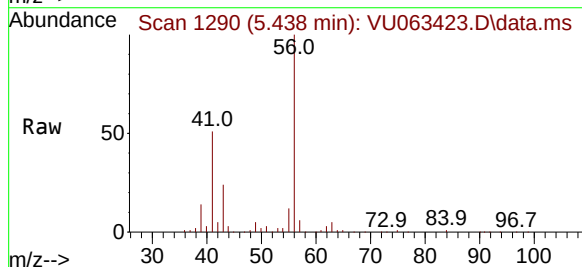
RT: 5.438 min Scan# 1290

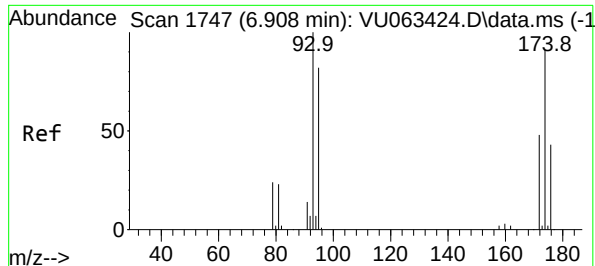
Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion:	56	Resp:	171473
Ion	Ratio	Lower	Upper
56	100		
41	48.8	26.4	79.0





#43

Dibromomethane

Concen: 5.321 ug/l

RT: 6.910 min Scan# 1748

Delta R.T. 0.002 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 93 Resp: 4828

Ion Ratio Lower Upper

93 100

95 82.4 66.7 100.1

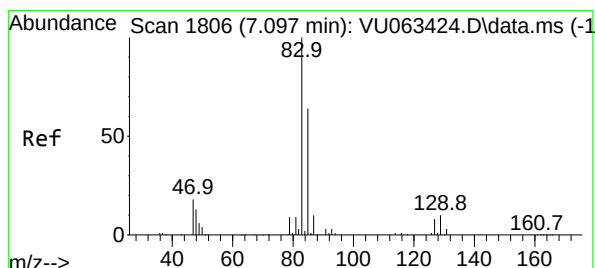
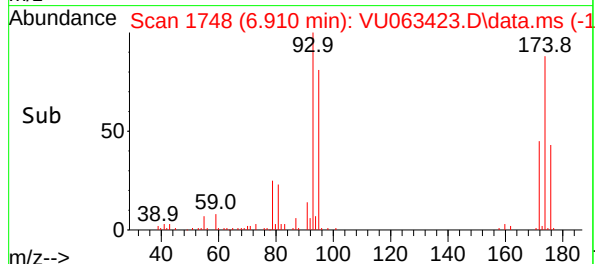
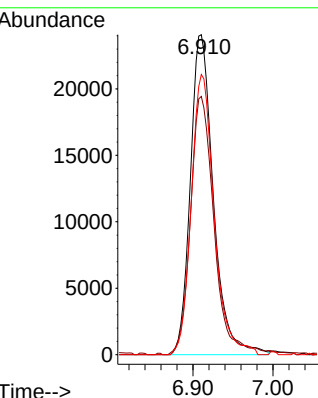
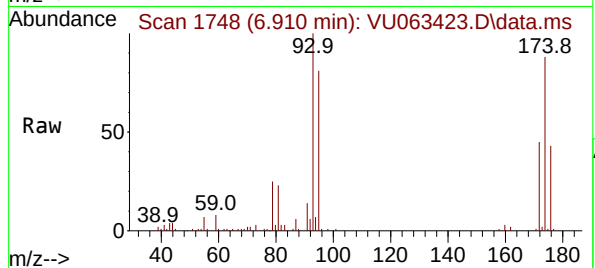
174 86.9 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 5.213 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

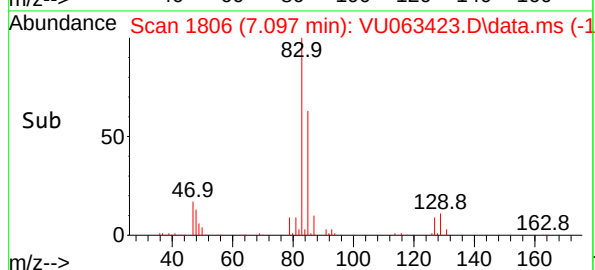
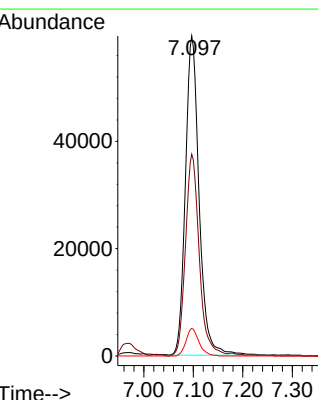
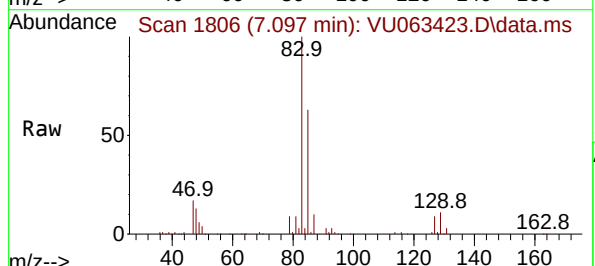
Tgt Ion: 83 Resp: 115223

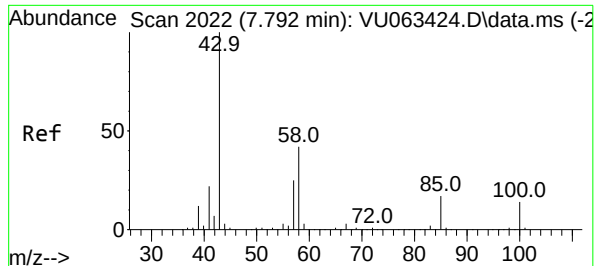
Ion Ratio Lower Upper

83 100

85 63.2 51.4 77.2

127 8.6 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 27.468 ug/l

RT: 7.795 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 26756

Ion Ratio Lower Upper

43

100

58

85

20.5

61.6

14.2

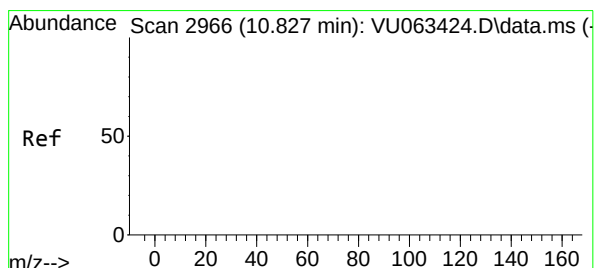
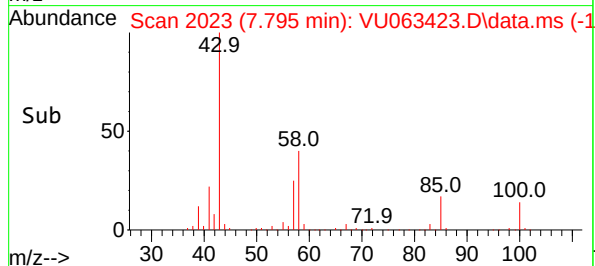
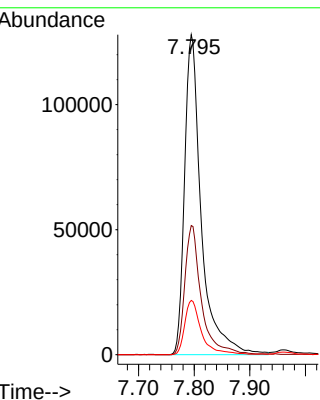
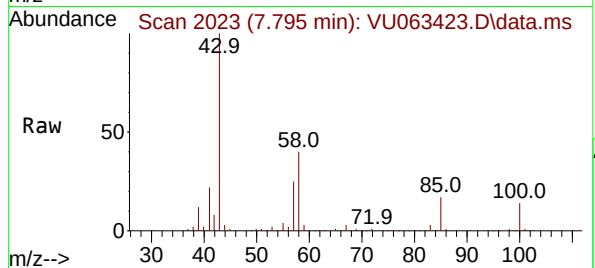
21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 9.479 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion: 75 Resp: 29472

Ion Ratio Lower Upper

75

100

53

89

88

61.4

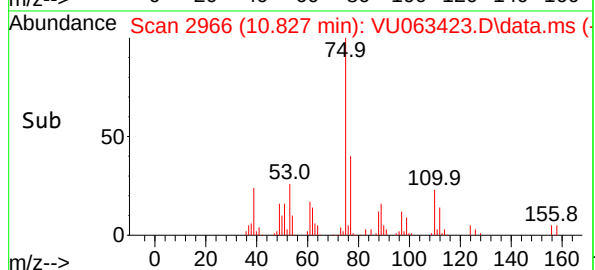
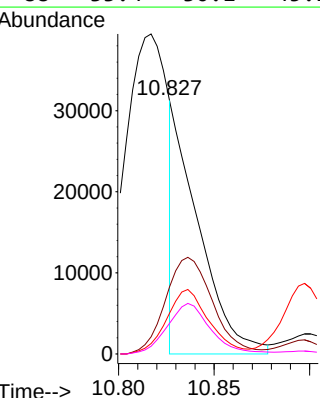
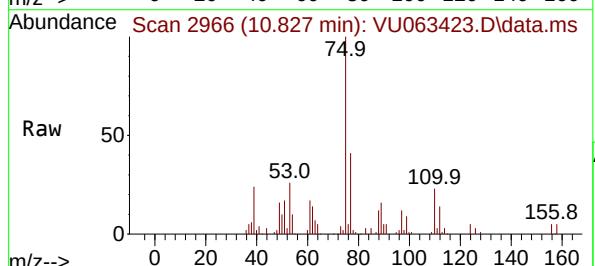
92.2

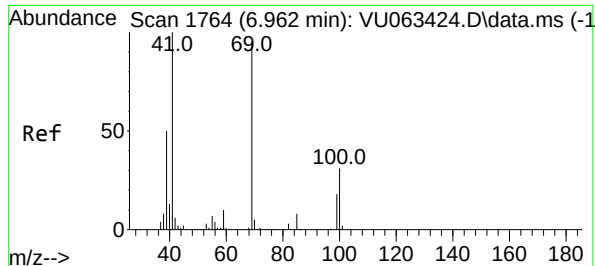
39.2

58.8

30.1

45.1





#47

Methyl methacrylate

Concen: 9.709 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion: 69 Resp: 7964

Ion Ratio Lower Upper

69 100

41 104.5 0.0 212.6

39 50.9 40.6 61.0

100 34.7 26.8 40.2

Instrument :

MSVOA_U

ClientSampleId :

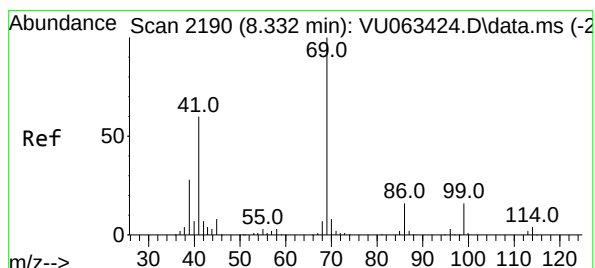
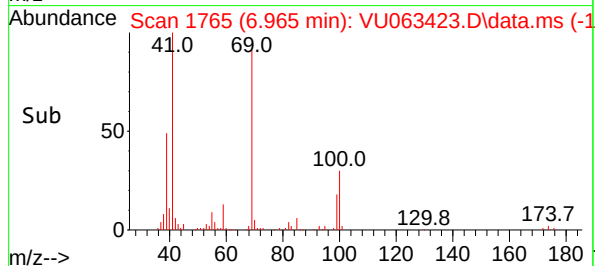
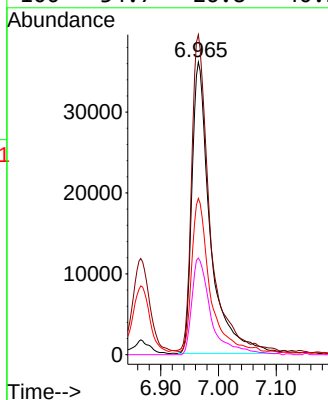
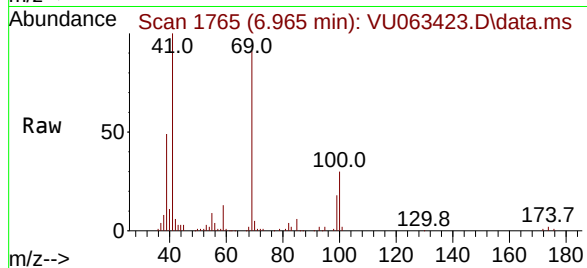
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 5.037 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VU063423.D

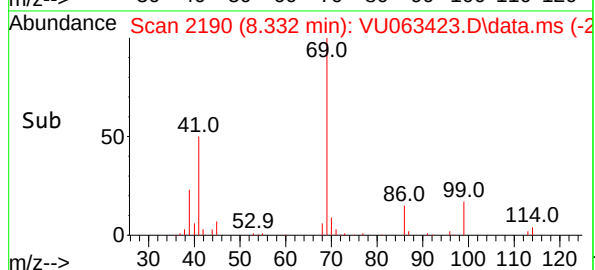
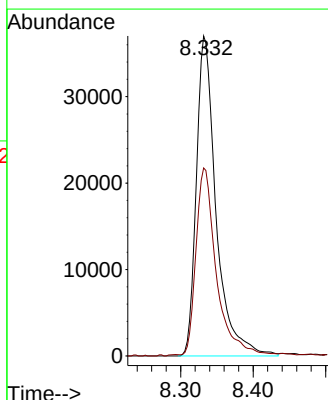
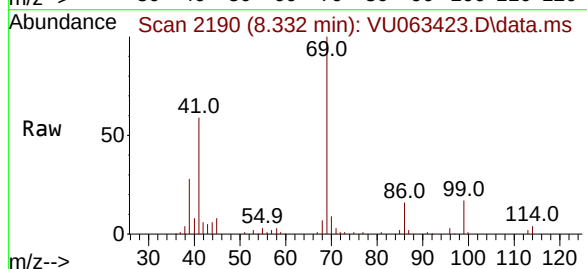
Acq: 23 Jun 2025 11:39

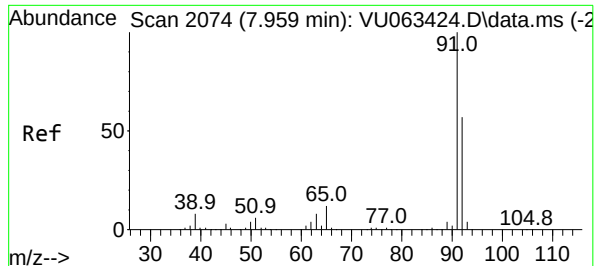
Tgt Ion: 69 Resp: 70049

Ion Ratio Lower Upper

69 100

41 59.5 30.6 92.0





#49

Toluene

Concen: 5.626 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 92 Resp: 21723

Ion Ratio Lower Upper

92 100

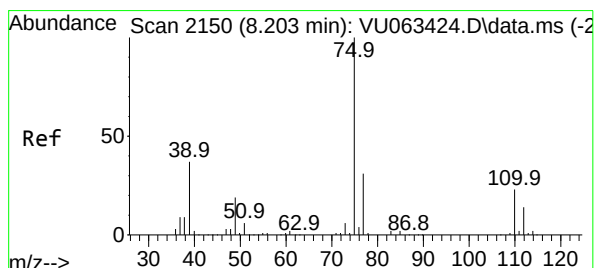
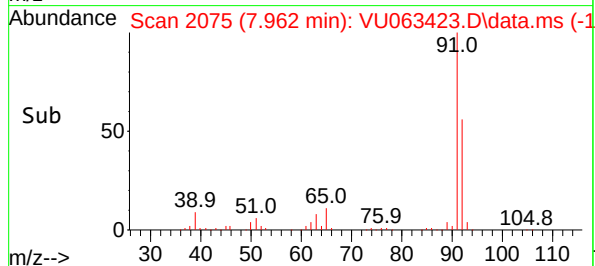
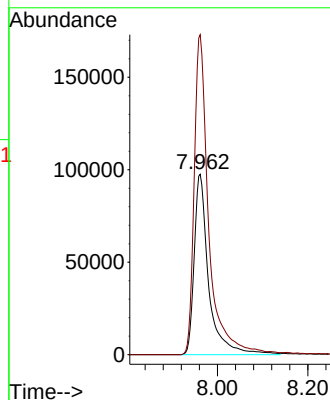
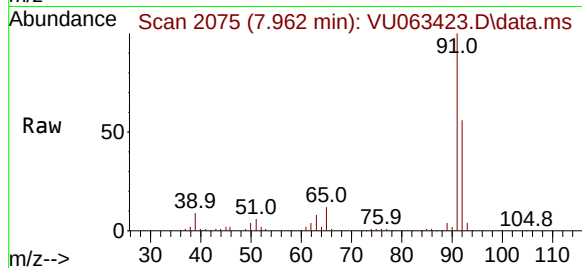
91 176.8 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 5.356 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU063423.D

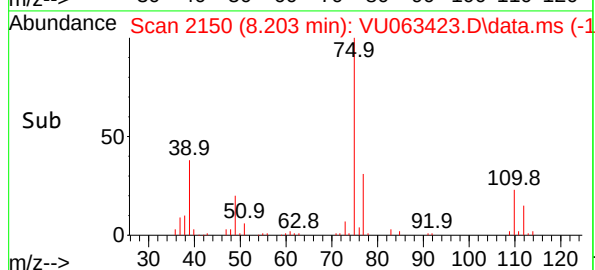
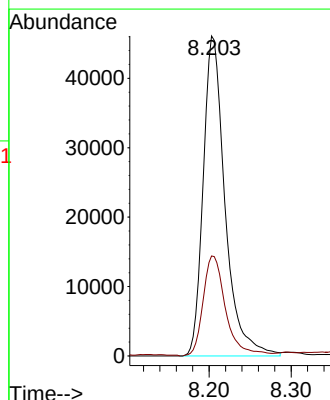
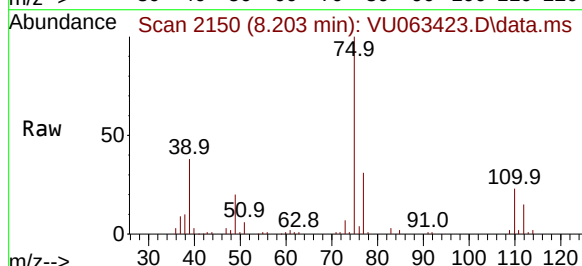
Acq: 23 Jun 2025 11:39

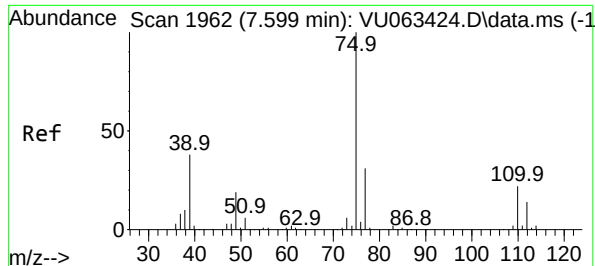
Tgt Ion: 75 Resp: 85370

Ion Ratio Lower Upper

75 100

77 31.3 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 5.463 ug/l

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 116974

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

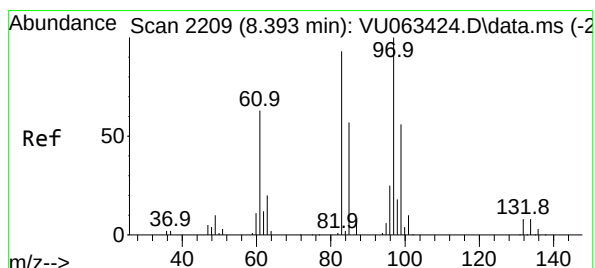
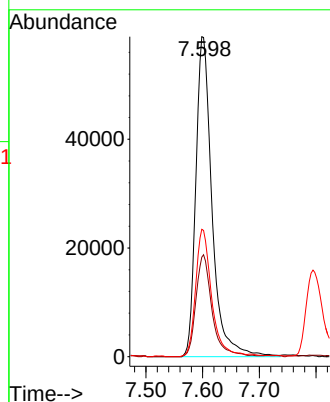
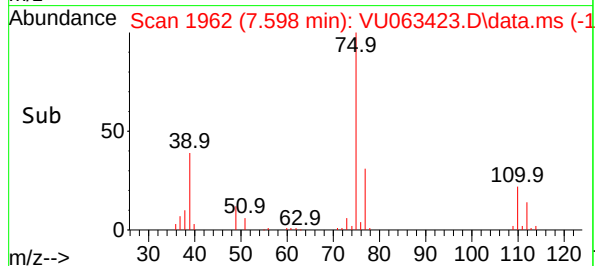
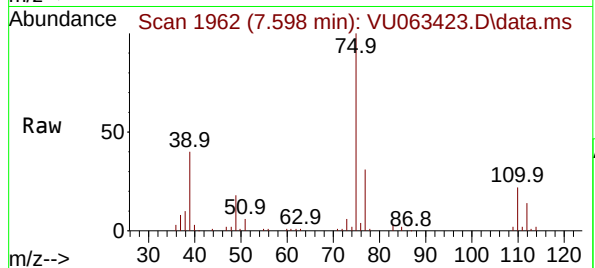
39 39.8 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 5.300 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion: 97 Resp: 70304

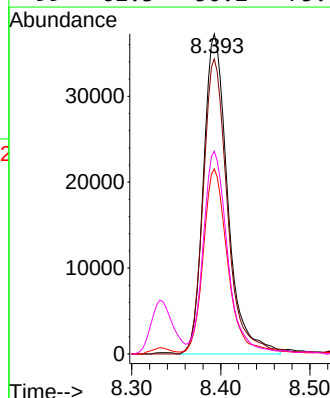
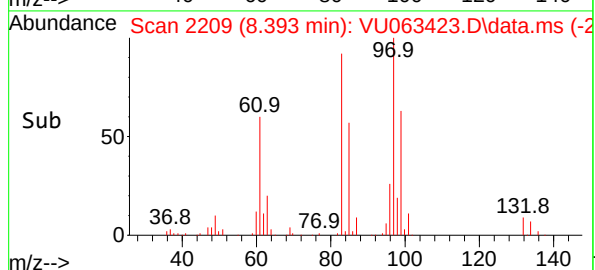
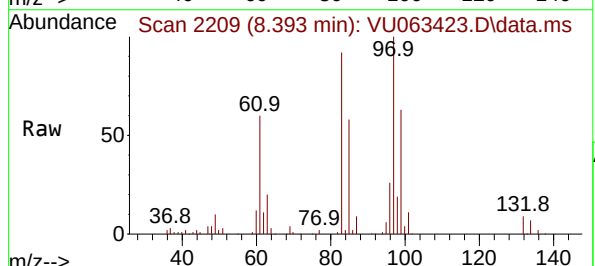
Ion Ratio Lower Upper

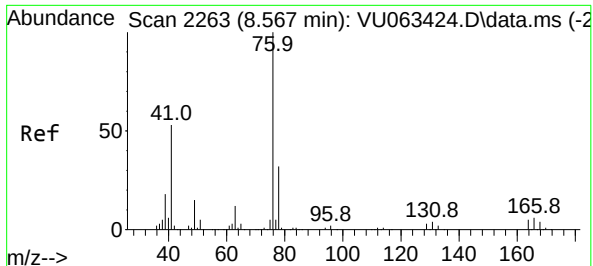
97 100

83 92.2 74.1 111.1

85 57.3 45.8 68.8

99 62.3 50.2 75.4





#53

1,3-Dichloropropane

Concen: 5.307 ug/l

RT: 8.566 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 12112

Ion Ratio Lower Upper

76 100

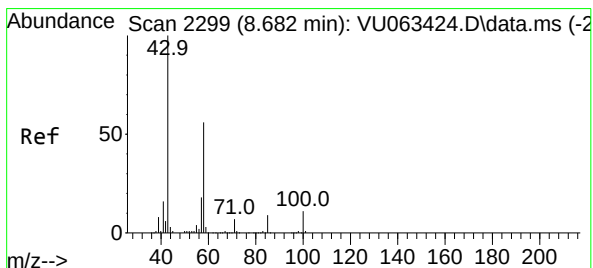
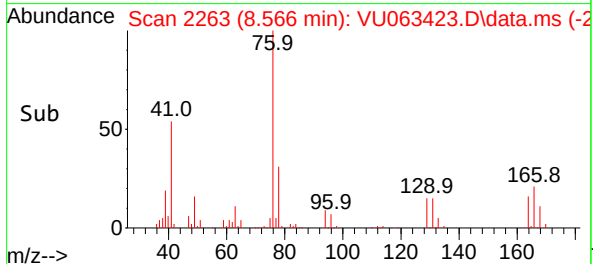
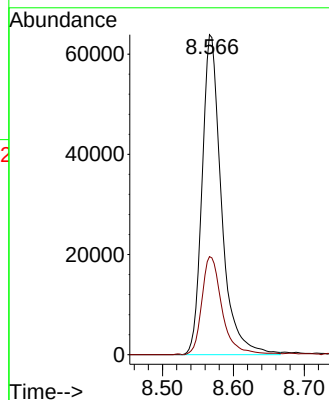
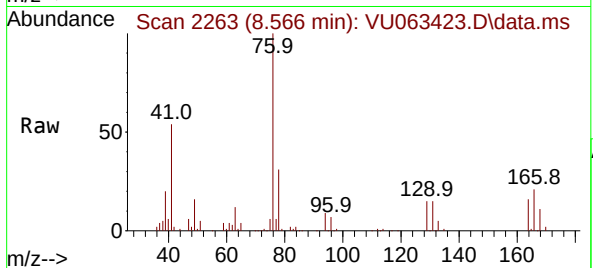
78 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 25.883 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

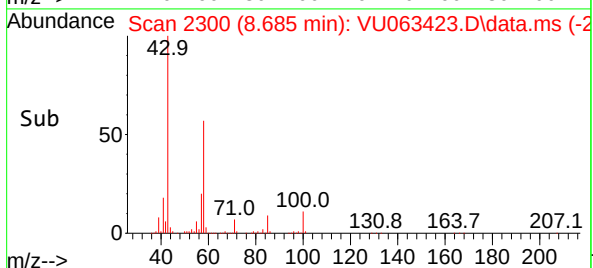
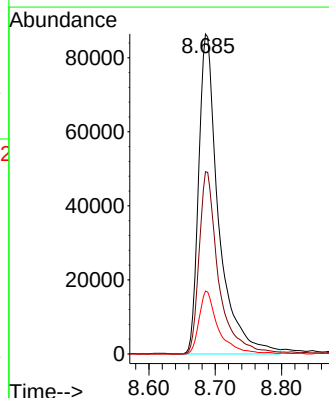
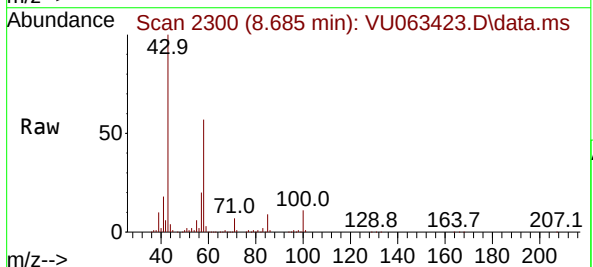
Tgt Ion: 43 Resp: 180620

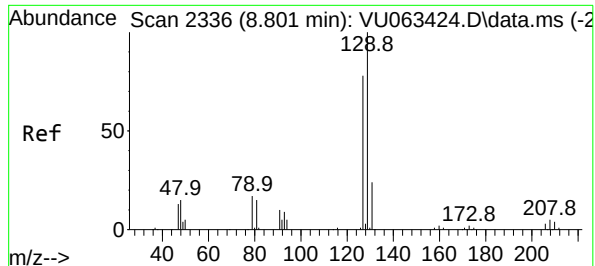
Ion Ratio Lower Upper

43 100

58 55.4 36.9 76.9

57 18.7 0.0 38.8





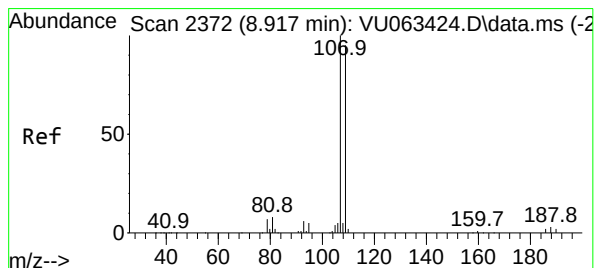
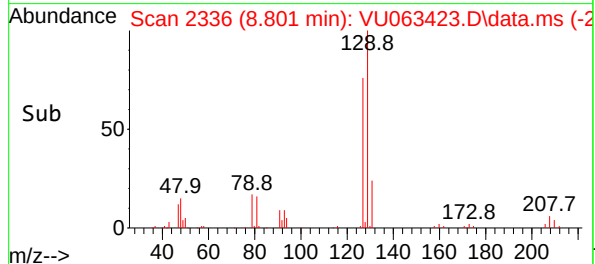
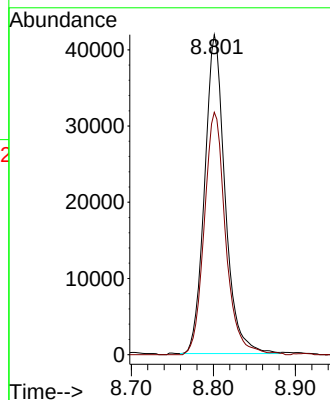
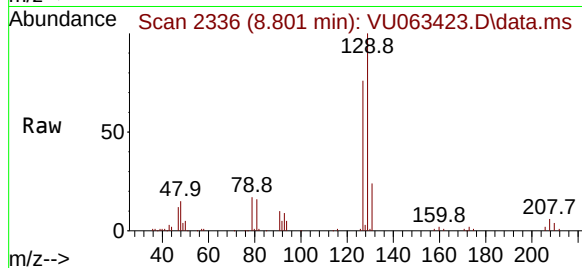
#55
Dibromochloromethane
Concen: 5.301 ug/l
RT: 8.801 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 72540
Ion Ratio Lower Upper
129 100
127 79.0 62.6 93.8

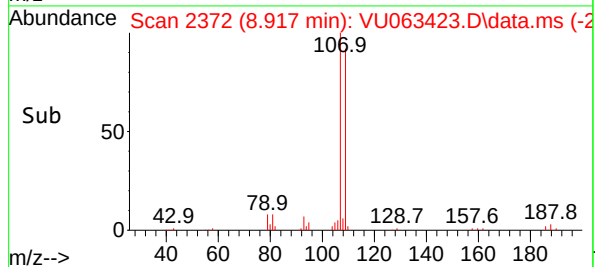
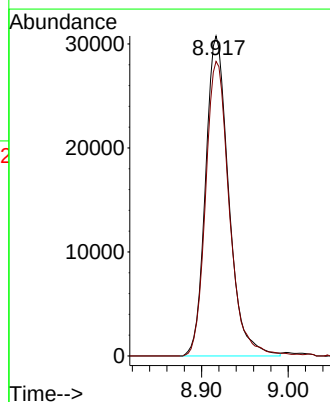
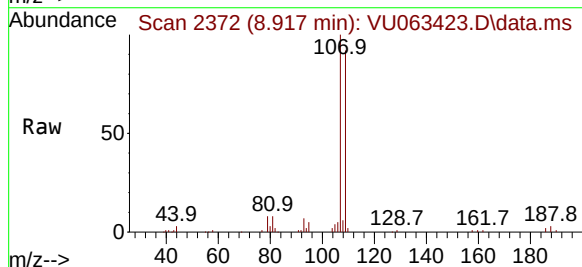
Manual Integrations
APPROVED

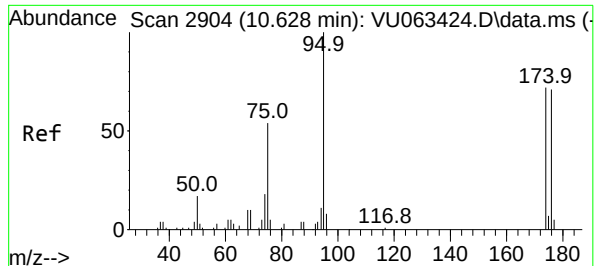
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#56
1,2-Dibromoethane
Concen: 5.317 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion:107 Resp: 57181
Ion Ratio Lower Upper
107 100
109 94.5 0.0 188.0





#57

4-Bromofluorobenzene

Concen: 1.038 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. -0.001 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 95 Resp: 2056

Ion Ratio Lower Upper

95 100

174 75.1 59.4 89.2

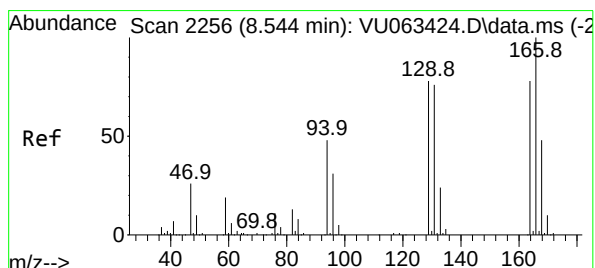
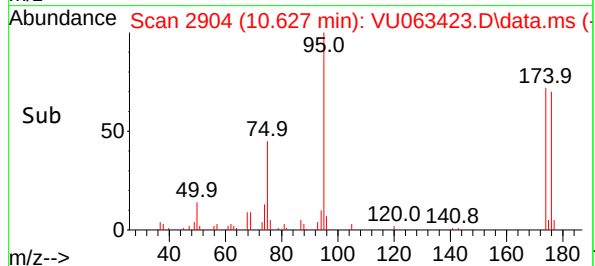
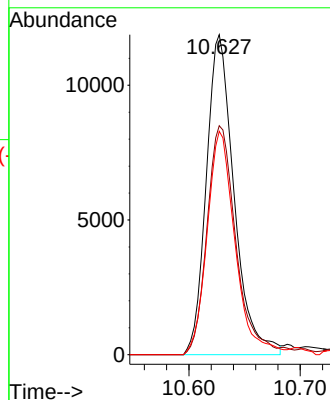
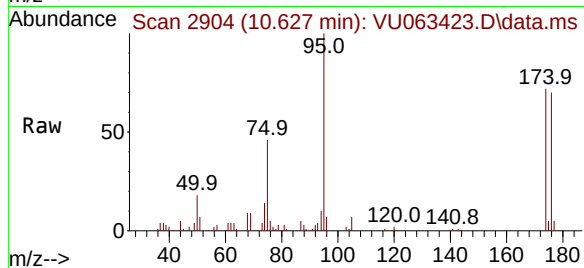
176 70.2 57.8 86.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#58

Tetrachloroethene

Concen: 5.301 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion:164 Resp: 86434

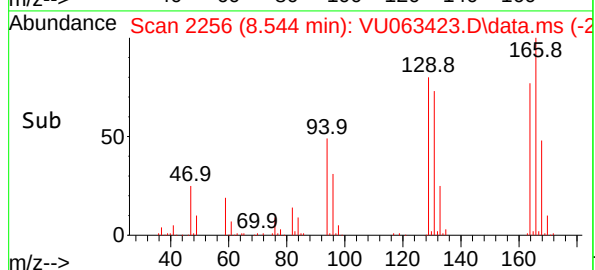
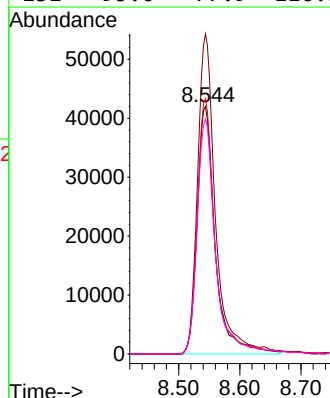
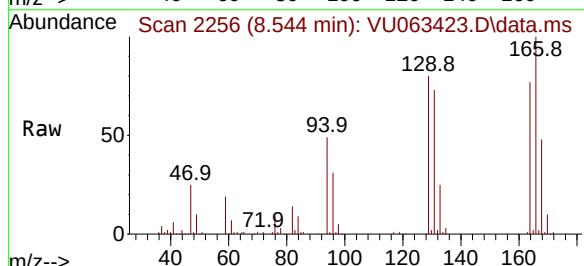
Ion Ratio Lower Upper

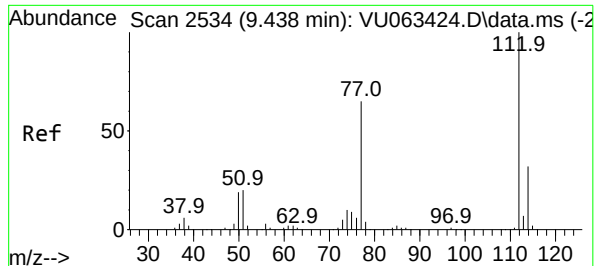
164 100

166 129.4 102.8 154.2

129 103.2 80.2 120.2

131 95.0 77.9 116.9





#59

Chlorobenzene

Concen: 5.464 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 22589

Ion Ratio Lower Upper

112 100

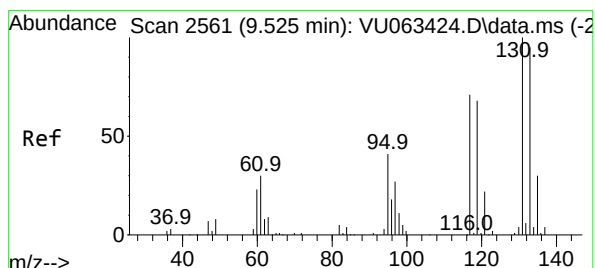
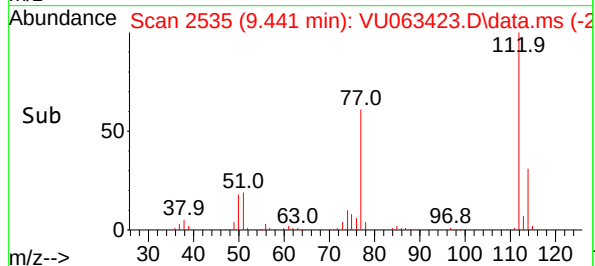
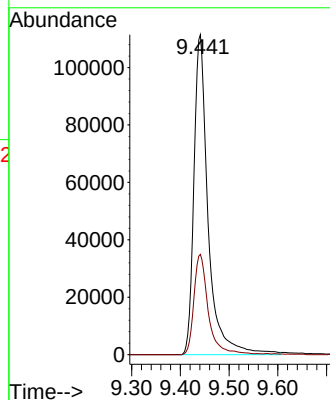
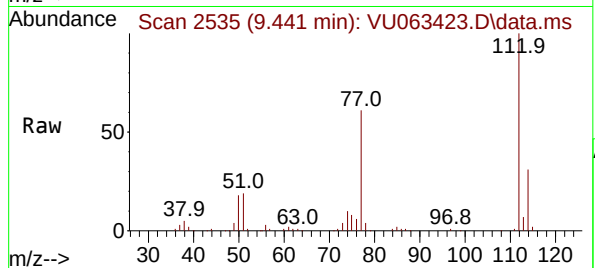
114 31.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 5.193 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

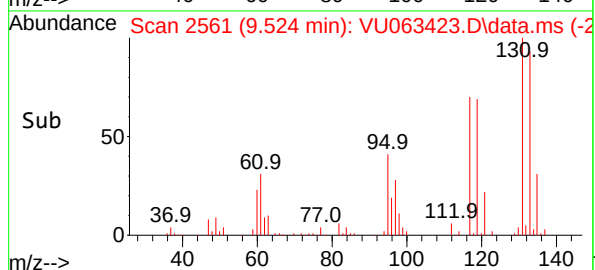
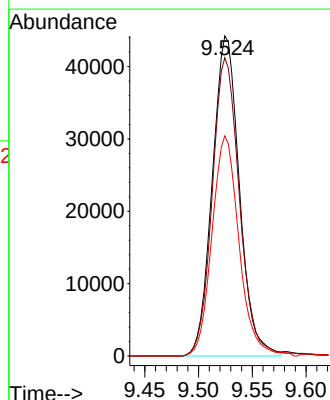
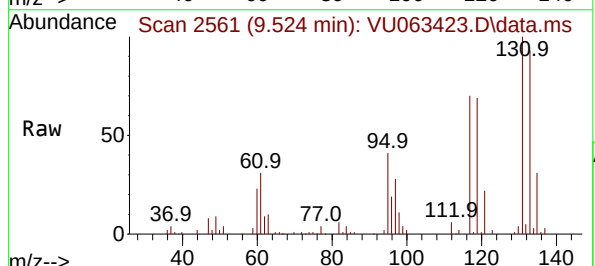
Tgt Ion:131 Resp: 77275

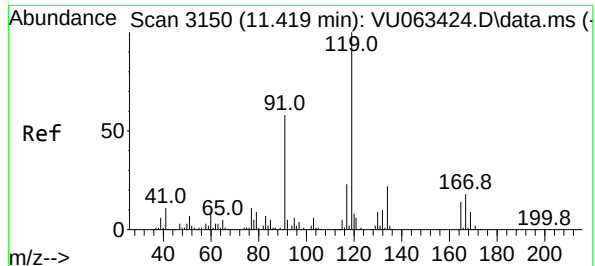
Ion Ratio Lower Upper

131 100

133 94.5 76.1 114.1

119 68.8 53.7 80.5





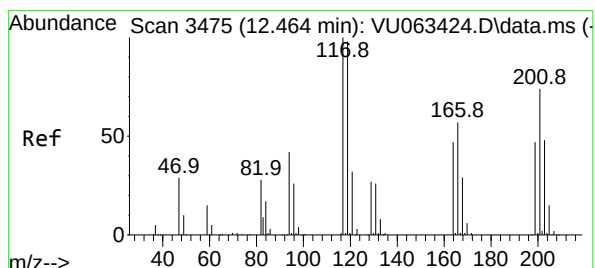
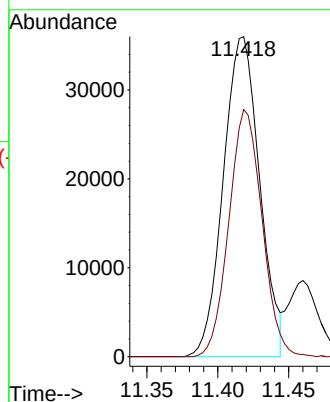
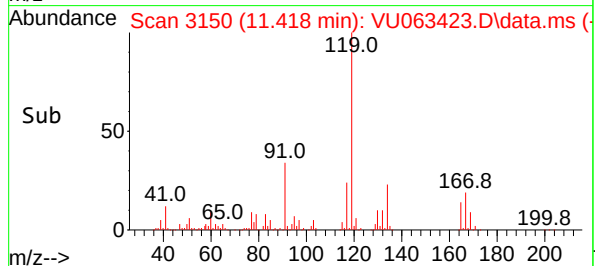
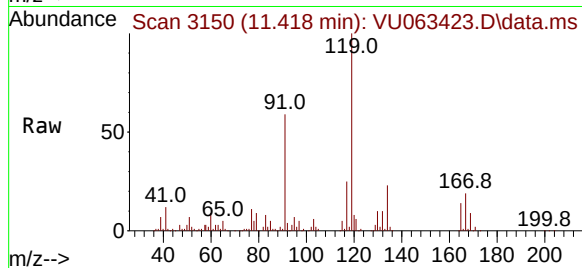
#61
Pentachloroethane
Concen: 5.305 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 6431
Ion Ratio Lower Upper
117 100
167 70.6 58.1 87.1

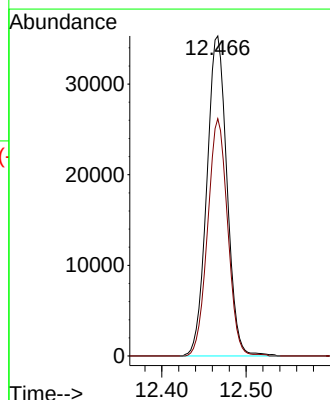
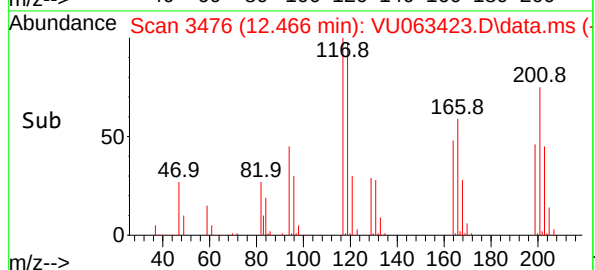
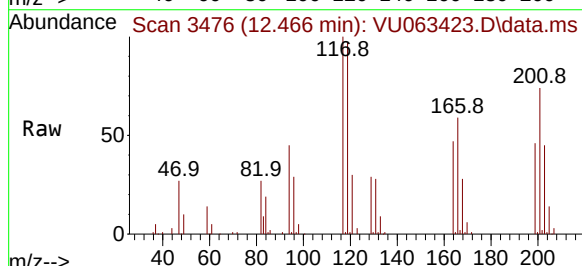
Manual Integrations
APPROVED

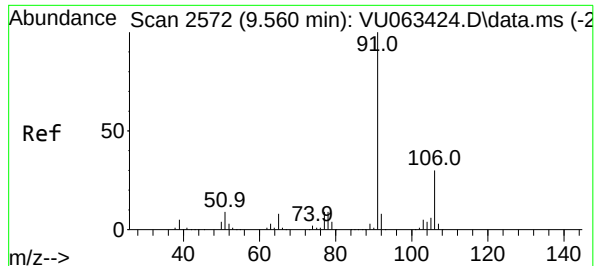
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 5.398 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion:117 Resp: 58851
Ion Ratio Lower Upper
117 100
201 73.4 60.4 90.6





#63

Ethyl Benzene

Concen: 5.567 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 368939

Ion Ratio Lower Upper

91 100

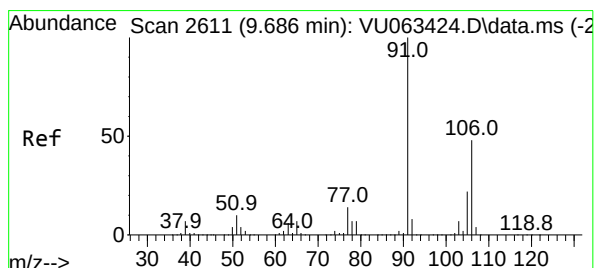
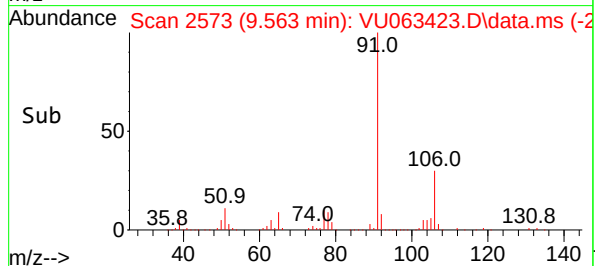
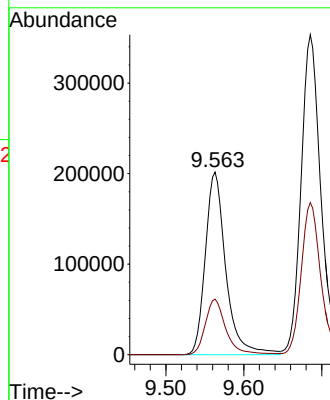
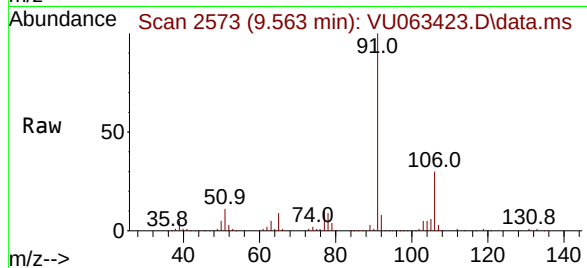
106 30.4 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#64

m/p-Xylenes

Concen: 9.931 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. -0.001 min

Lab File: VU063423.D

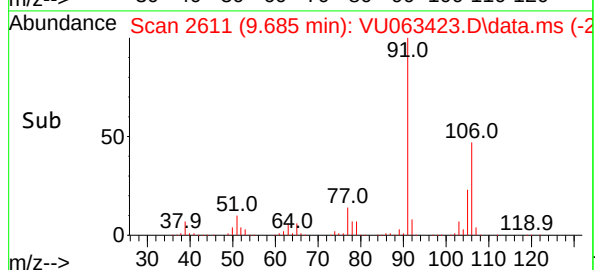
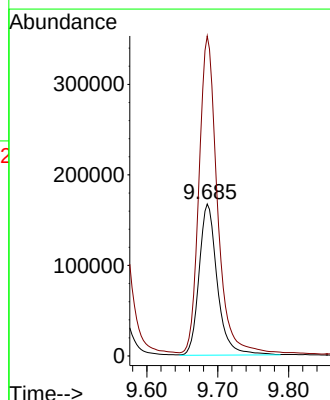
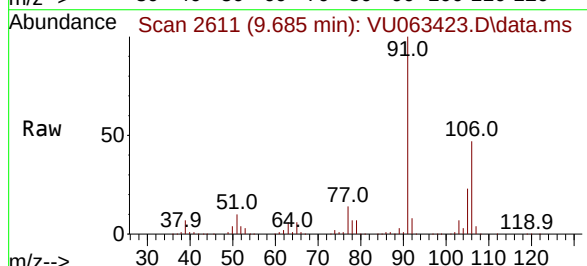
Acq: 23 Jun 2025 11:39

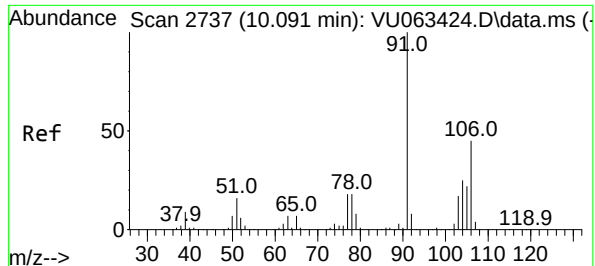
Tgt Ion:106 Resp: 298216

Ion Ratio Lower Upper

106 100

91 216.2 169.9 254.9





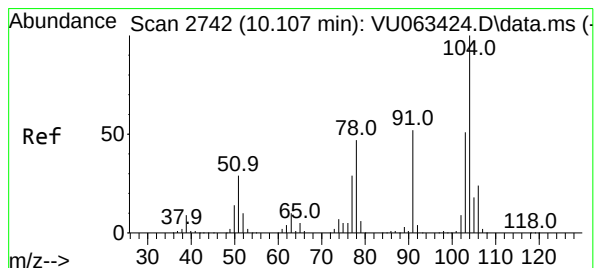
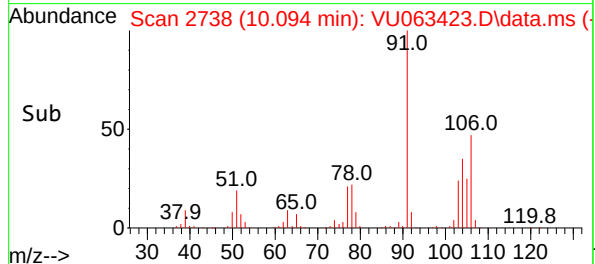
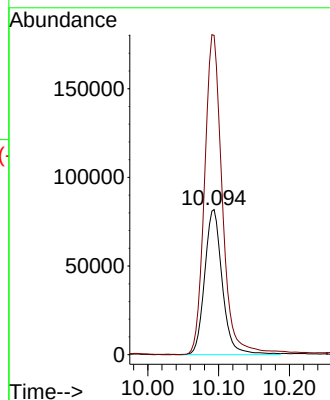
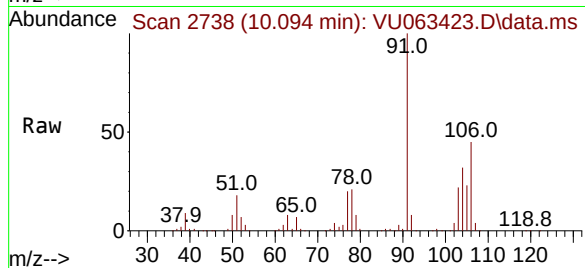
#65
o-Xylene
Concen: 5.623 ug/l
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 14156
Ion Ratio Lower Upper
106 100
91 222.4 110.8 332.3

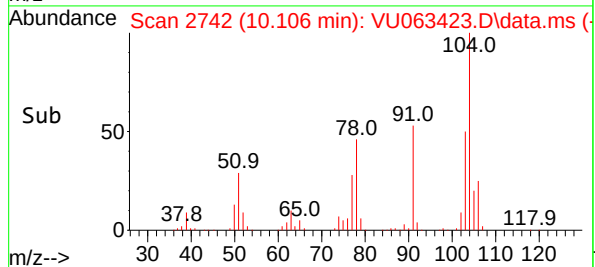
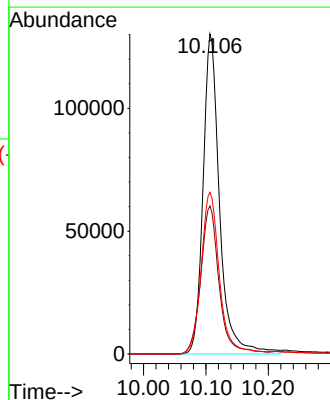
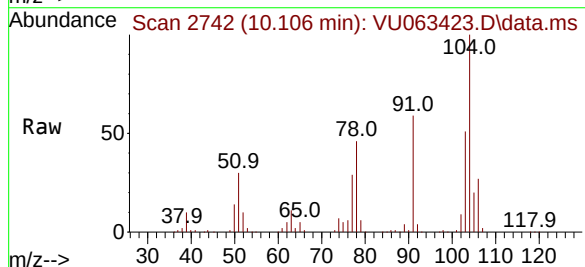
Manual Integrations
APPROVED

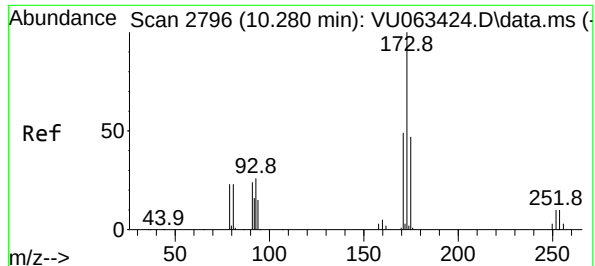
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 4.996 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. -0.001 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion:104 Resp: 240618
Ion Ratio Lower Upper
104 100
78 51.2 41.6 62.4
103 55.7 44.6 67.0





#67

Bromoform

Concen: 5.423 ug/l

RT: 10.283 min Scan# 2796

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

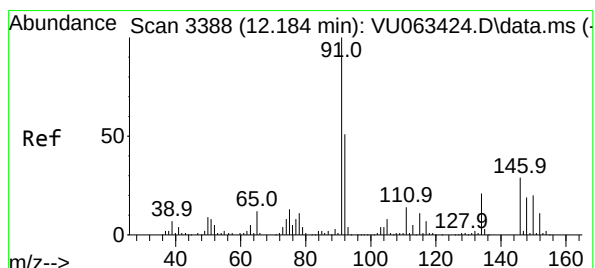
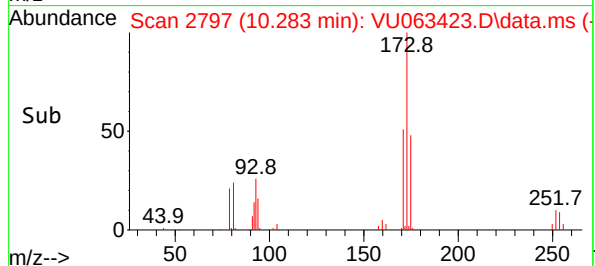
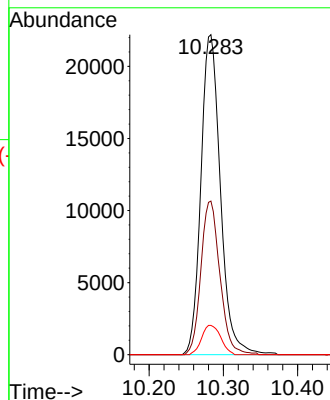
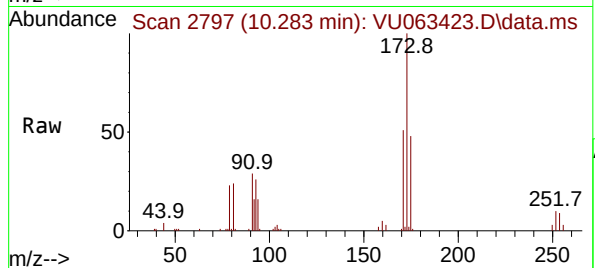
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:	173	Resp:	4055
Ion Ratio	Lower	Upper	
173	100		
175	46.6	38.2	57.2
254	9.0	7.6	11.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#68

1,2-Dichlorobenzene-d4

Concen: 1.015 ug/l

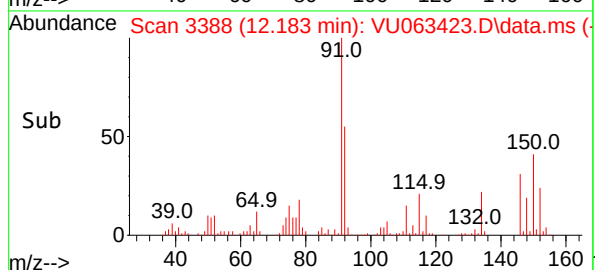
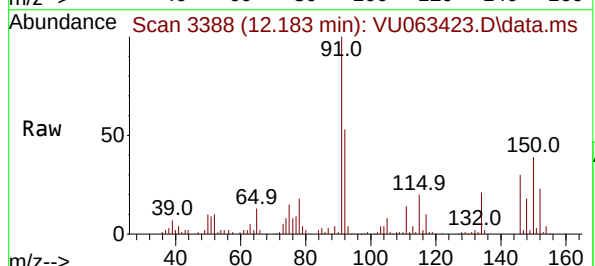
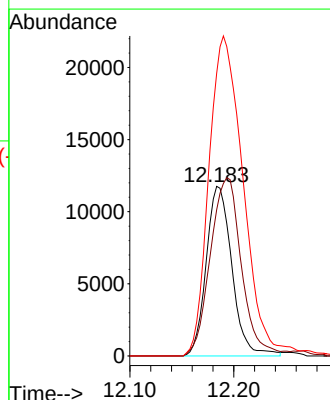
RT: 12.183 min Scan# 3388

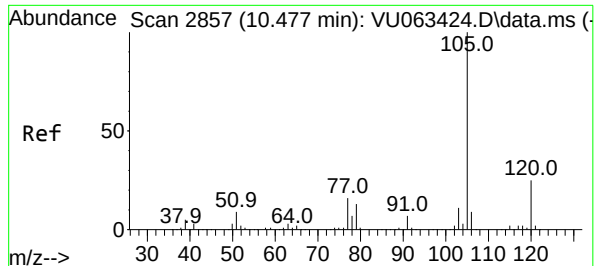
Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion:	152	Resp:	20193
Ion Ratio	Lower	Upper	
152	100		
115	127.8	0.0	327.6
150	253.7	0.0	664.4





#69

Isopropylbenzene

Concen: 5.662 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 33024

Ion Ratio Lower Upper

105 100

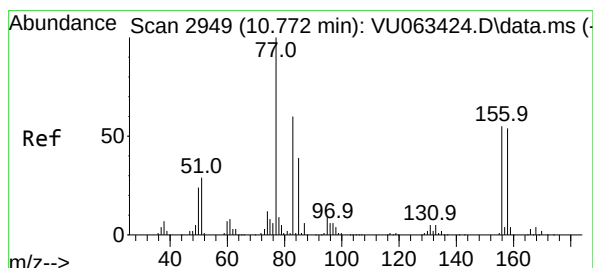
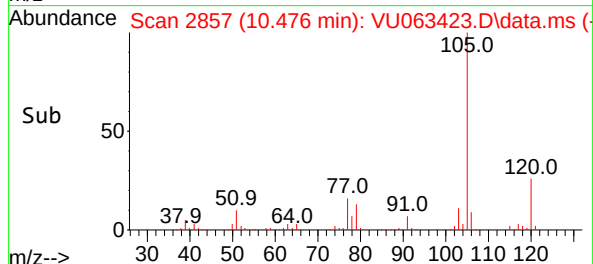
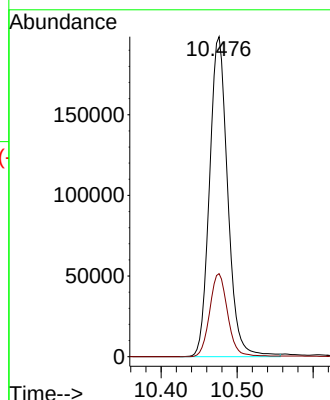
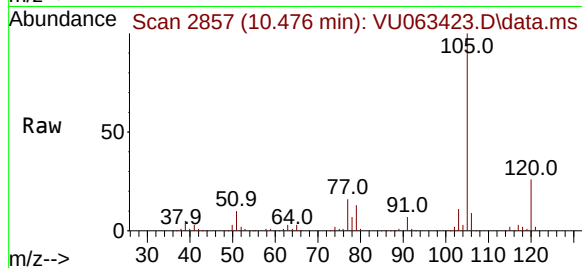
120 25.8 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 5.343 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

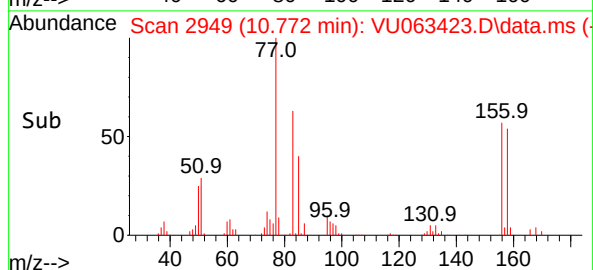
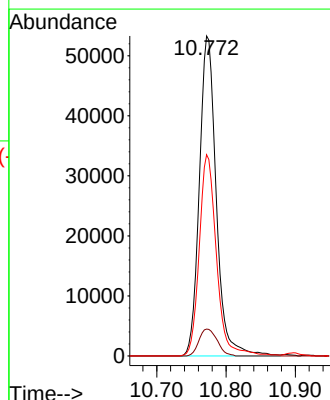
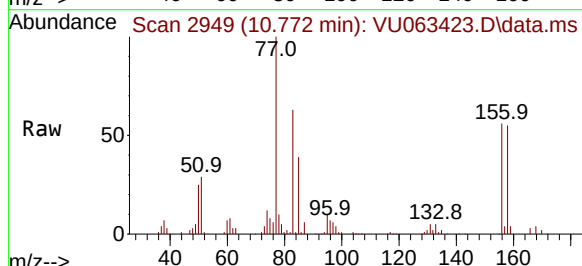
Tgt Ion: 83 Resp: 90666

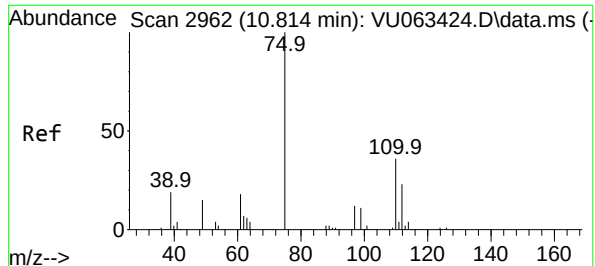
Ion Ratio Lower Upper

83 100

131 9.0 7.4 11.0

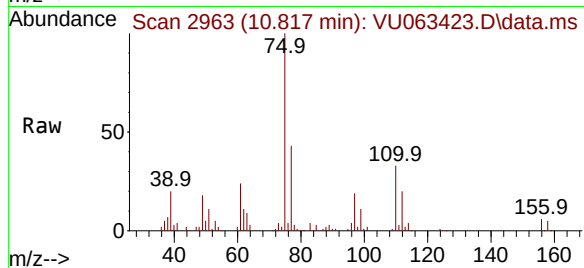
85 64.0 51.3 76.9





#71
1,2,3-Trichloropropane
Concen: 5.558 ug/l m
RT: 10.817 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

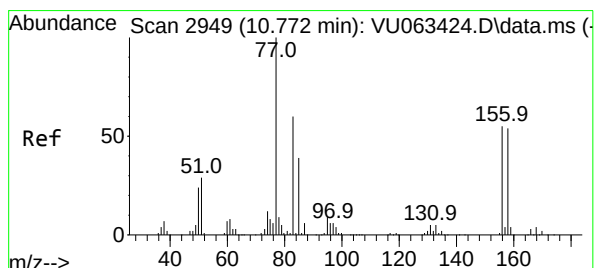
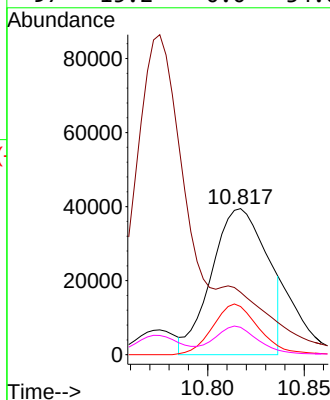
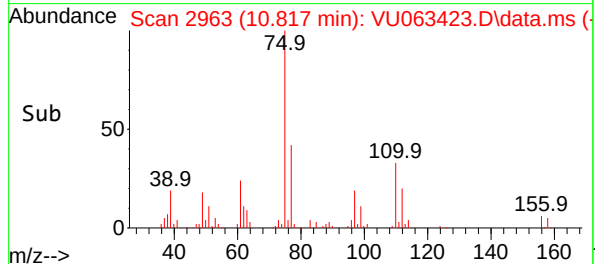
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



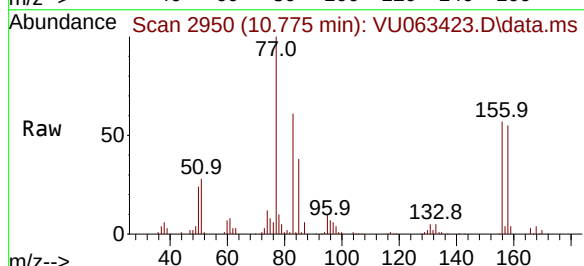
Tgt Ion: 75 Resp: 78476
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 29.5 0.0 63.4
97 15.2 0.0 34.0

Manual Integrations
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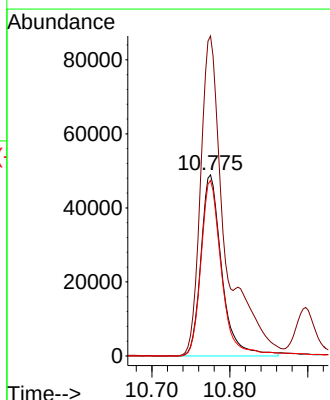
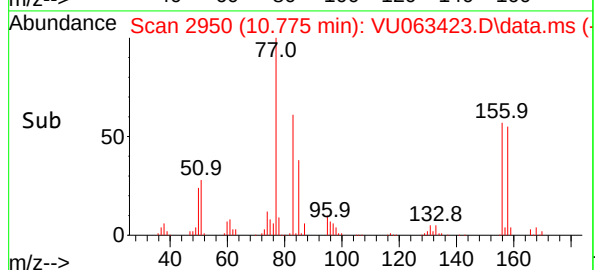
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

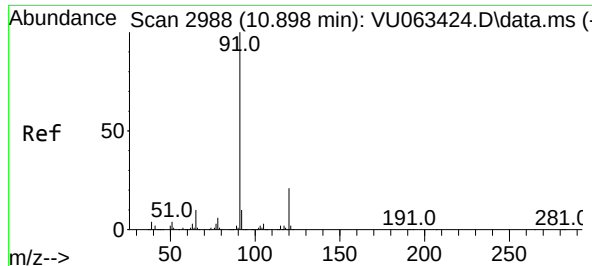


#72
Bromobenzene
Concen: 5.550 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39



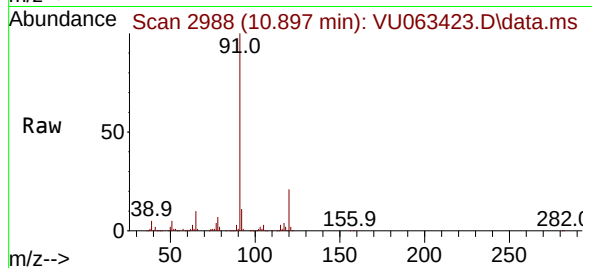
Tgt Ion:156 Resp: 90867
Ion Ratio Lower Upper
156 100
77 169.4 0.0 416.2
158 95.6 0.0 190.6





#73
n-propylbenzene
Concen: 5.001 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. -0.001 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

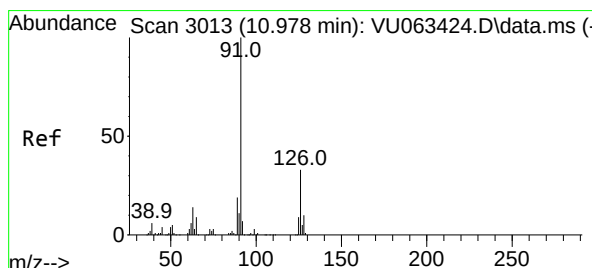
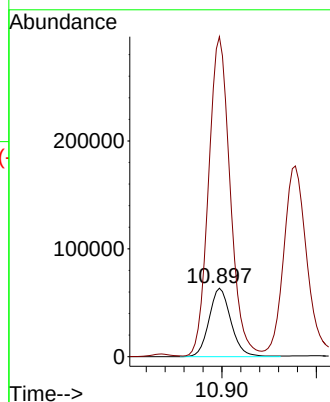
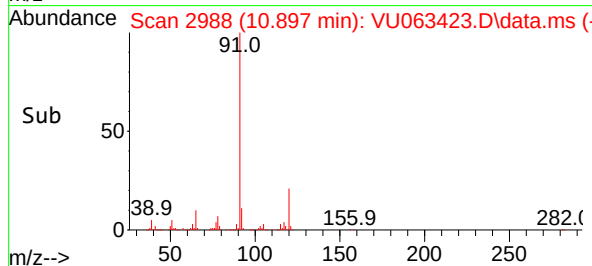
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



Tgt Ion:120 Resp: 10175
Ion Ratio Lower Upper
120 100
91 460.9 373.7 560.5

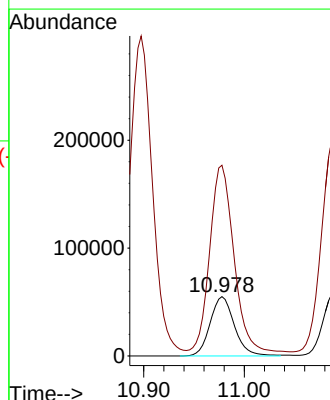
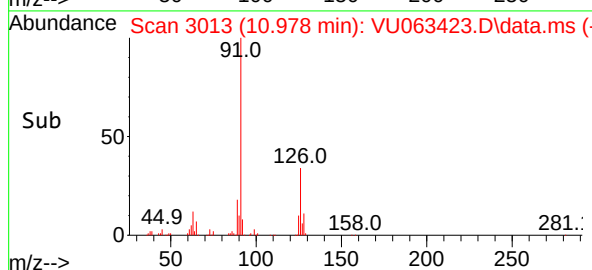
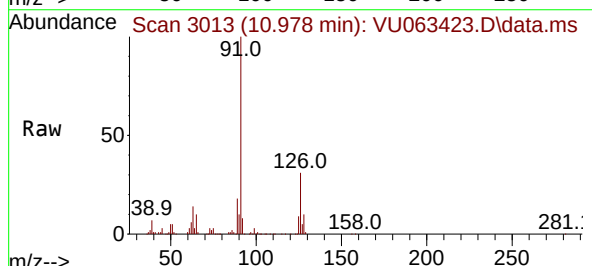
Manual Integrations
APPROVED

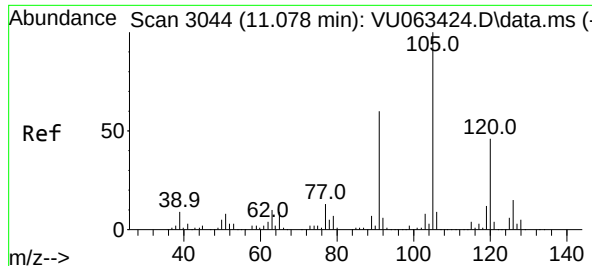
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 5.698 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

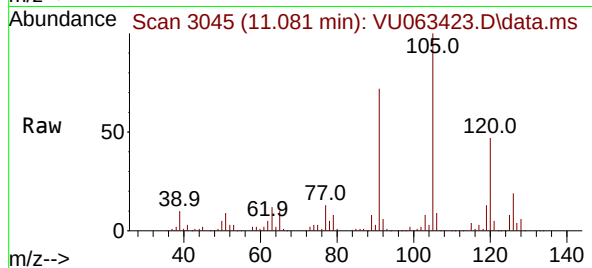
Tgt Ion:126 Resp: 92225
Ion Ratio Lower Upper
126 100
91 328.5 0.0 650.8





#75
1,3,5-Trimethylbenzene
Concen: 5.024 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

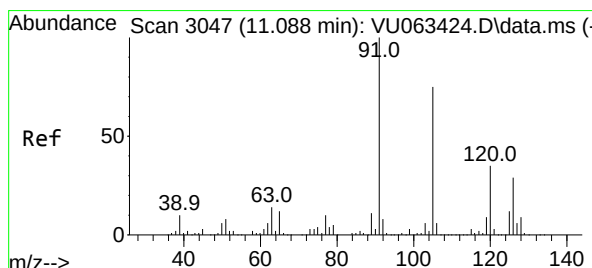
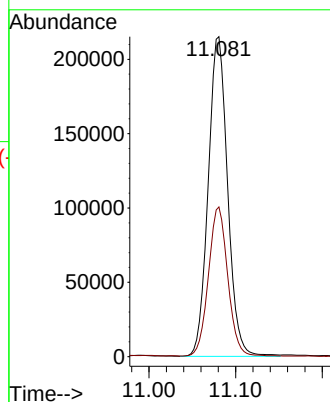
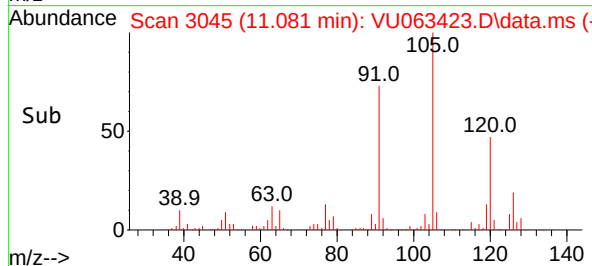
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



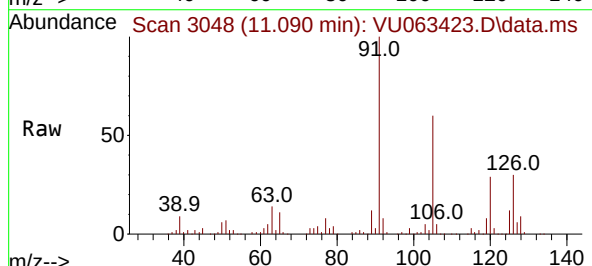
Tgt Ion:105 Resp: 33527
Ion Ratio Lower Upper
105 100
120 46.3 37.0 55.4

Manual Integrations
APPROVED

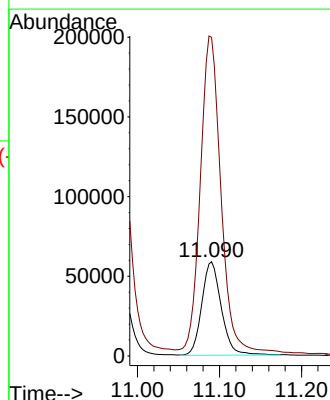
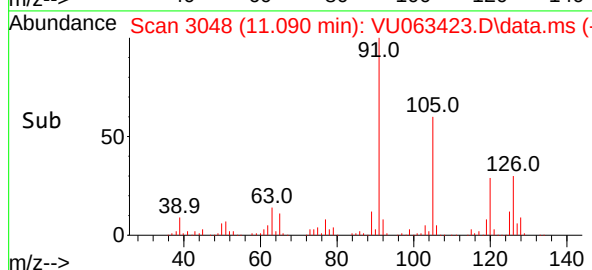
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

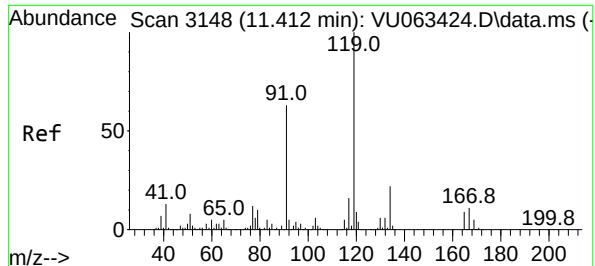


#76
4-Chlorotoluene
Concen: 5.725 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39



Tgt Ion:126 Resp: 97063
Ion Ratio Lower Upper
126 100
91 363.2 0.0 713.2





#77

tert-Butylbenzene

Concen: 5.594 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 299778

Ion Ratio Lower Upper

119 100

91 62.5 30.9 92.7

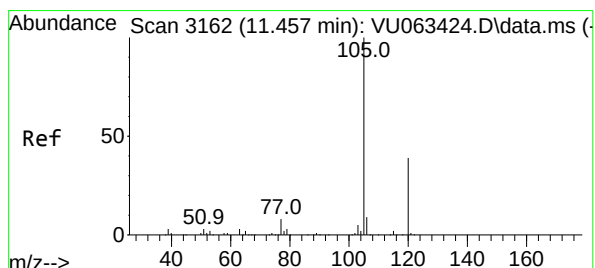
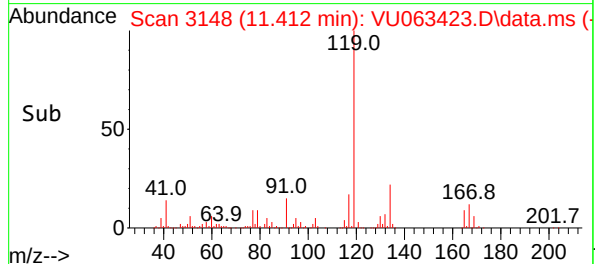
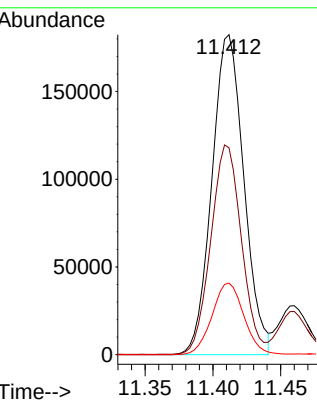
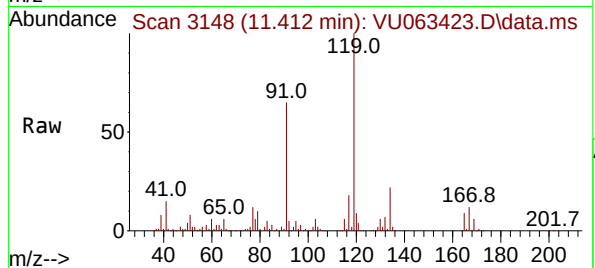
134 22.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 5.002 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063423.D

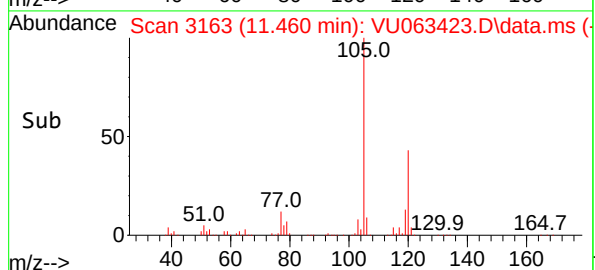
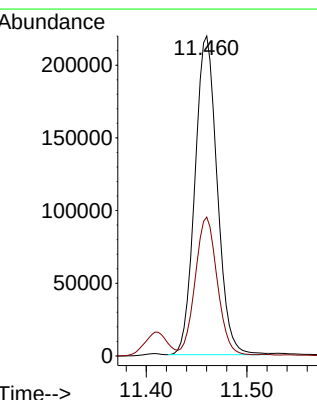
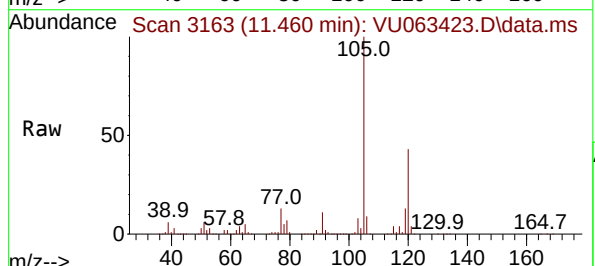
Acq: 23 Jun 2025 11:39

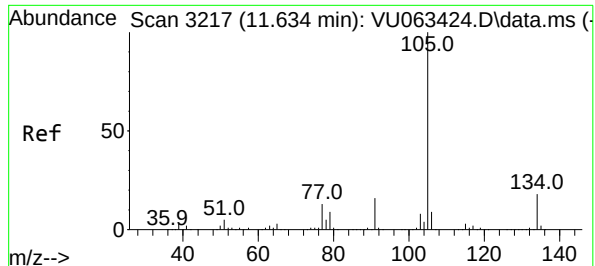
Tgt Ion:105 Resp: 337527

Ion Ratio Lower Upper

105 100

120 42.8 22.1 66.5





#79

sec-Butylbenzene

Concen: 5.703 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

Tgt Ion:105 Resp: 43290

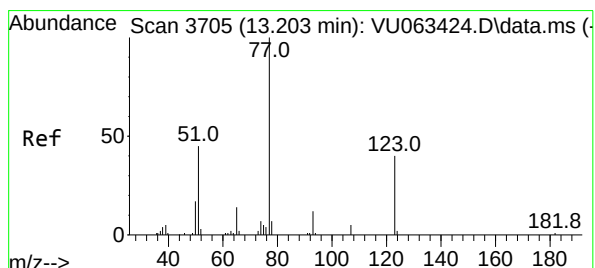
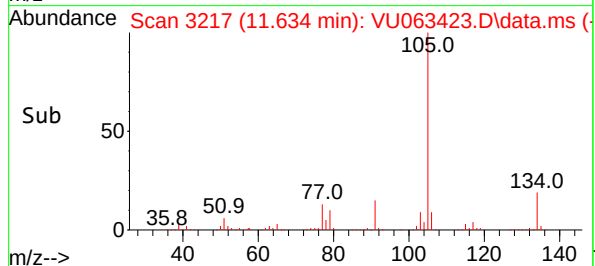
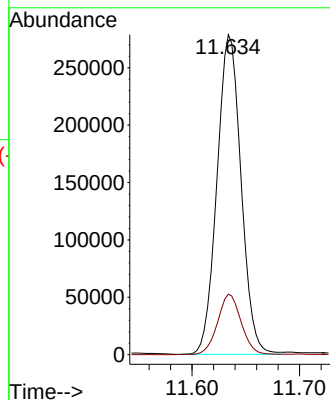
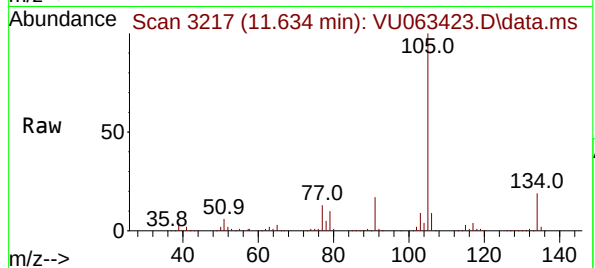
Ion Ratio Lower Upper

105 100

134 18.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#80

Nitrobenzene

Concen: 23.782 ug/l m

RT: 13.209 min Scan# 3707

Delta R.T. 0.006 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

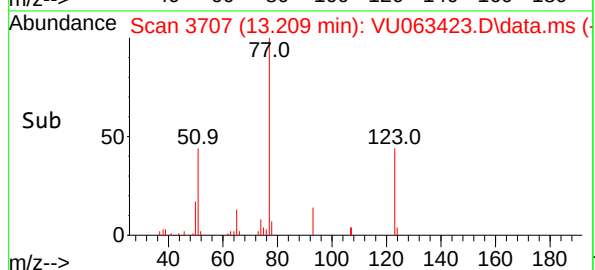
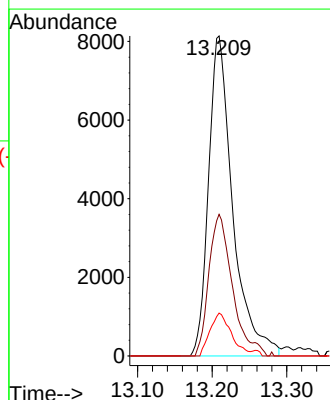
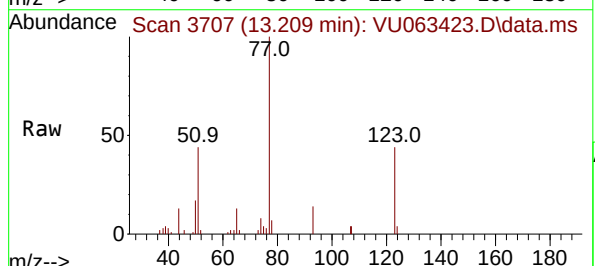
Tgt Ion: 77 Resp: 18357

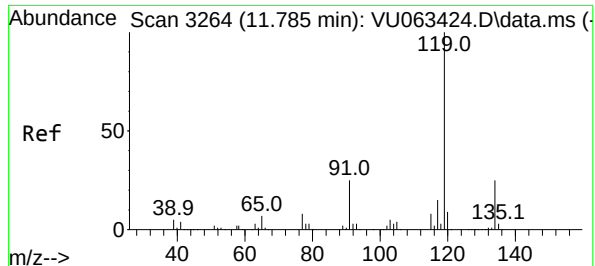
Ion Ratio Lower Upper

77 100

123 42.9 19.6 69.6

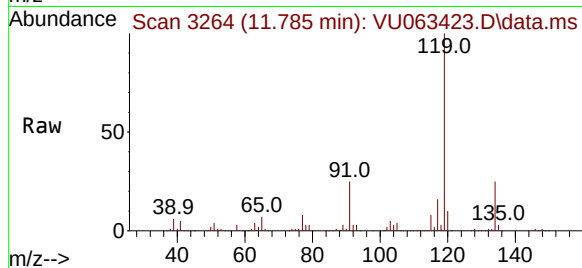
65 10.6 10.6 13.4





#81
p-Isopropyltoluene
Concen: 4.959 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

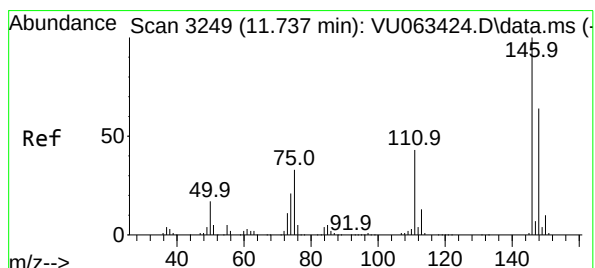
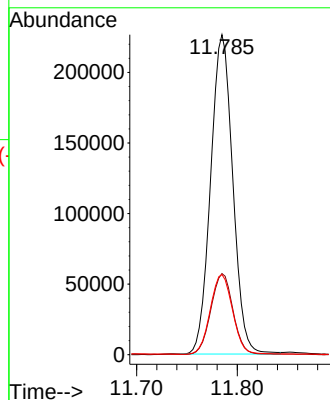
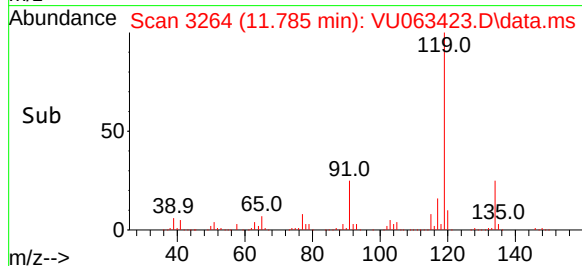
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



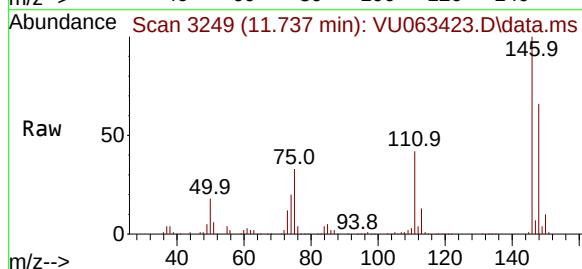
Tgt Ion:119 Resp: 346078
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 25.1 19.7 29.5

Manual Integrations
APPROVED

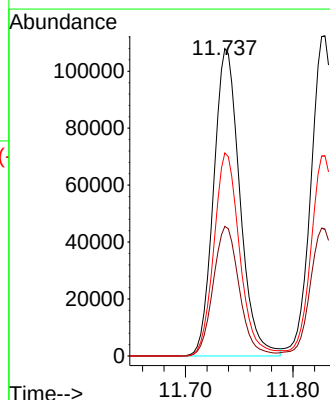
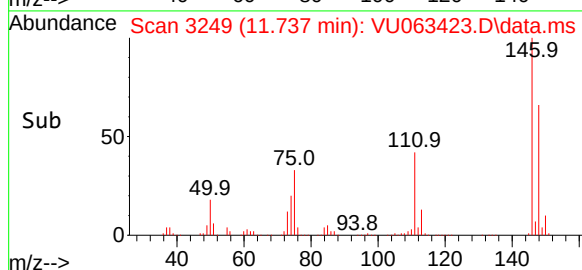
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

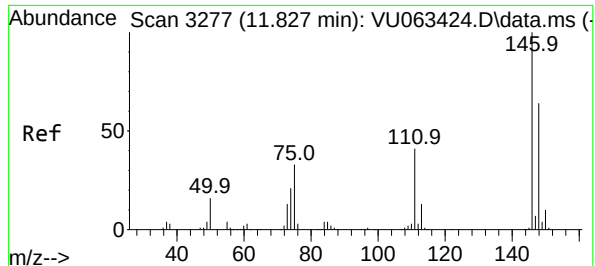


#82
1,3-Dichlorobenzene
Concen: 5.403 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39



Tgt Ion:146 Resp: 183260
Ion Ratio Lower Upper
146 100
111 41.9 34.3 51.5
148 65.0 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 5.559 ug/l

RT: 11.830 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 195472

Ion Ratio Lower Upper

146 100

111 38.0 31.7 47.5

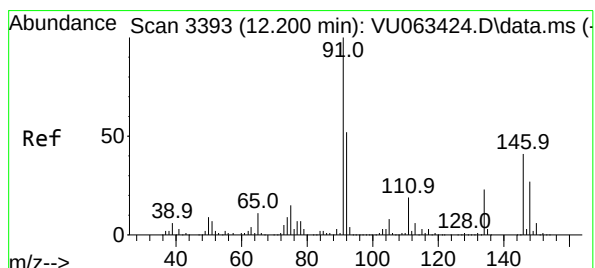
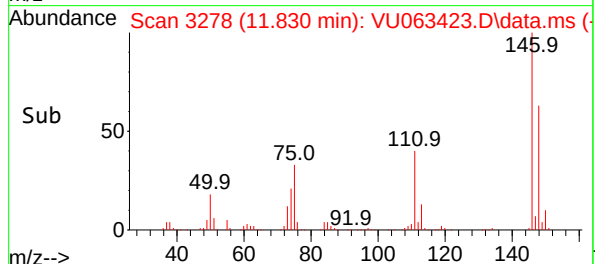
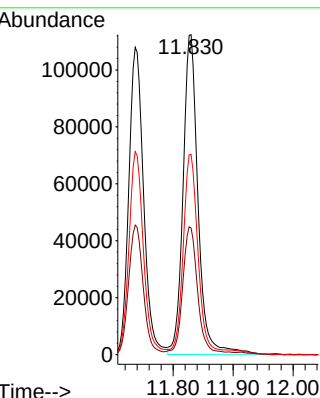
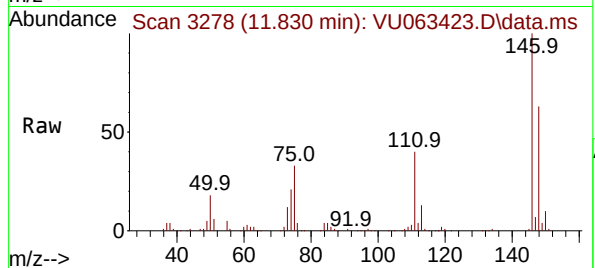
148 64.0 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 5.564 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

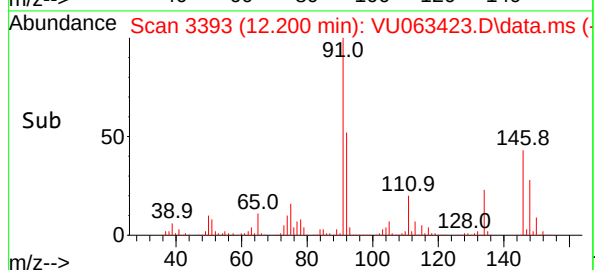
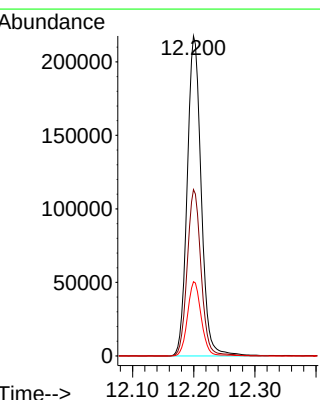
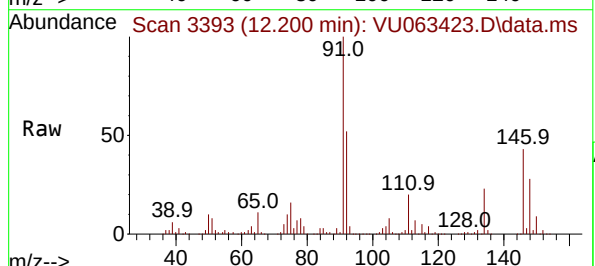
Tgt Ion: 91 Resp: 345741

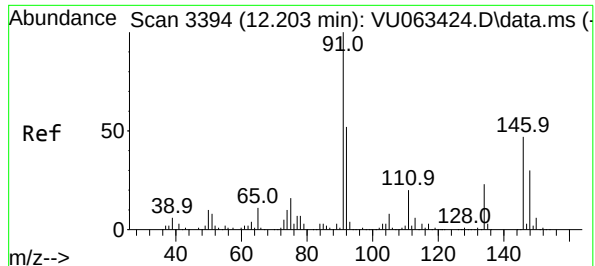
Ion Ratio Lower Upper

91 100

92 51.6 41.0 61.6

134 22.8 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 5.498 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

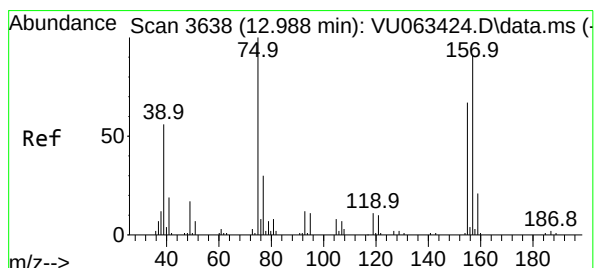
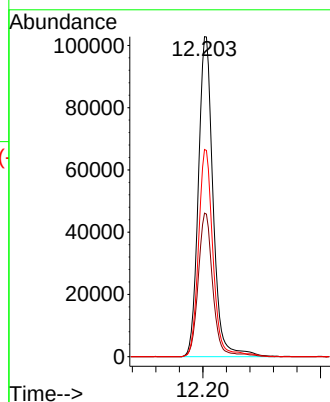
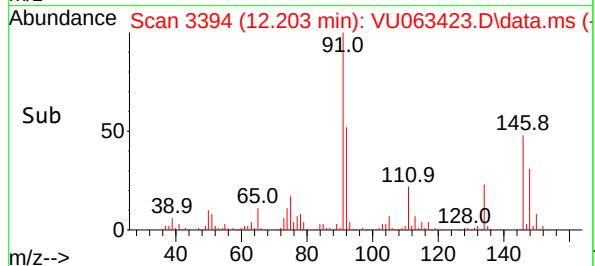
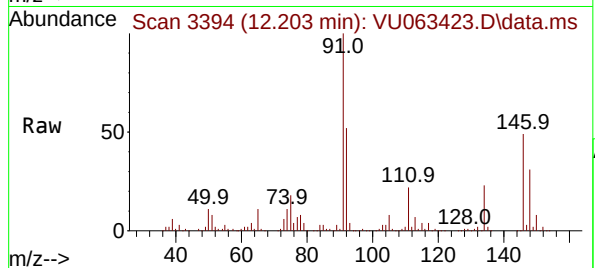
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	17847
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.8	65.4
148	63.8	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 5.695 ug/l

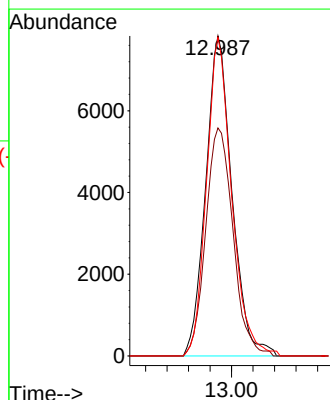
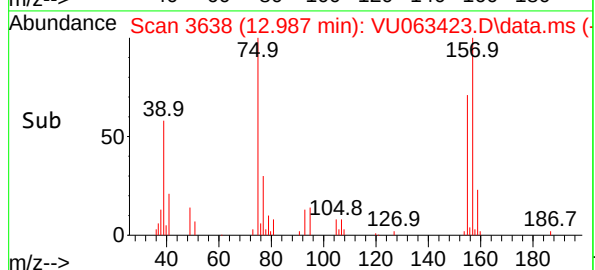
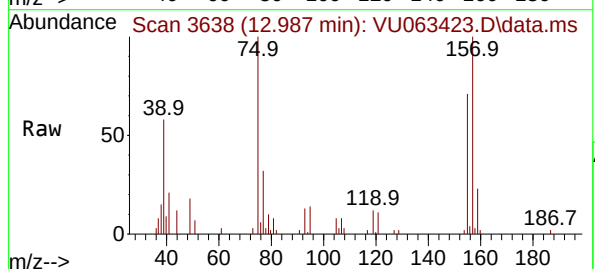
RT: 12.987 min Scan# 3638

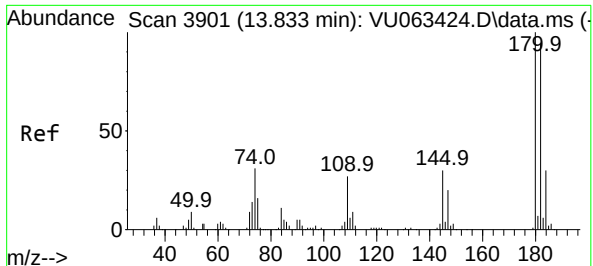
Delta R.T. -0.001 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Tgt Ion:	75	Resp:	13285
Ion Ratio	Lower	Upper	
75	100		
155	74.0	59.7	89.5
157	95.4	75.0	112.4





#87

1,2,4-Trichlorobenzene

Concen: 5.203 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

Instrument :

MSVOA_U

ClientSampleId :

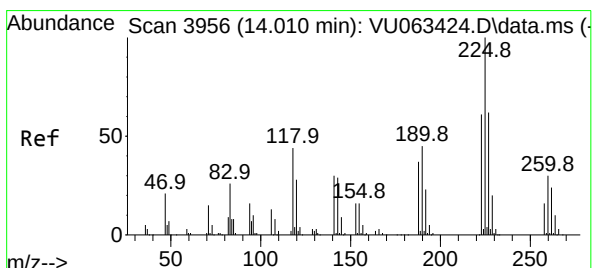
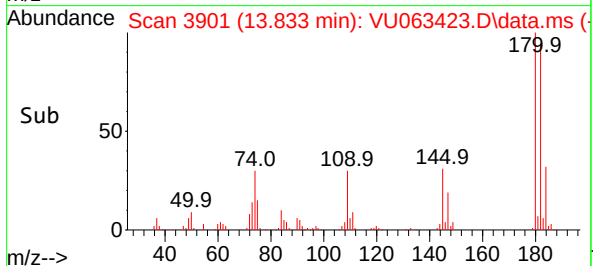
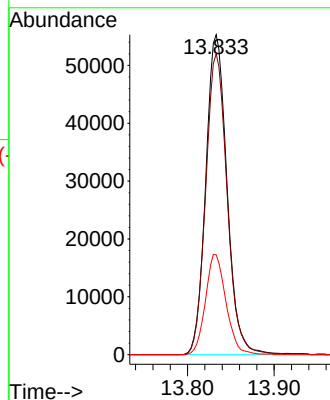
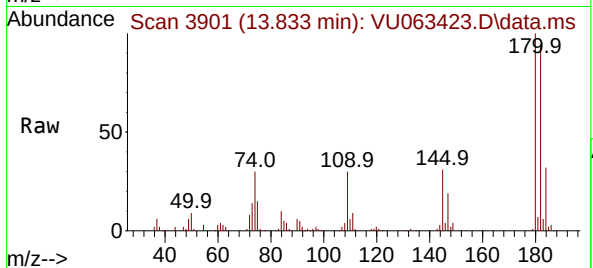
VSTDIC005

Tgt Ion:	180	Resp:	94150
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.6	113.4
145	30.3	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

Concen: 5.320 ug/l

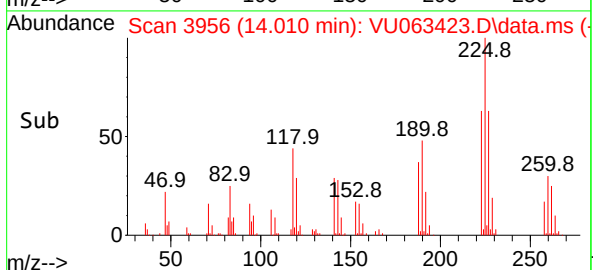
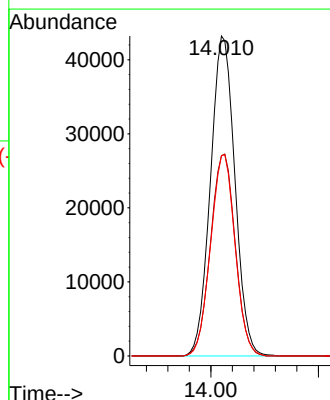
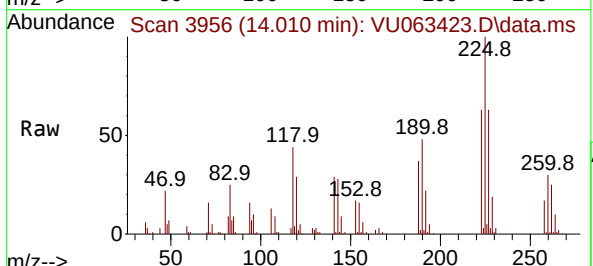
RT: 14.010 min Scan# 3956

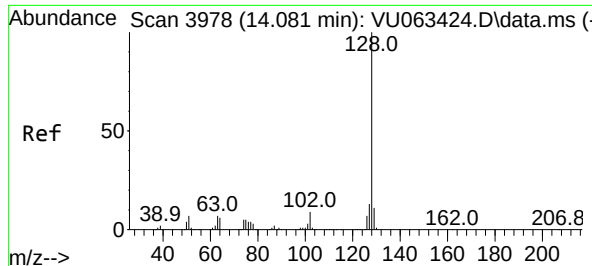
Delta R.T. -0.000 min

Lab File: VU063423.D

Acq: 23 Jun 2025 11:39

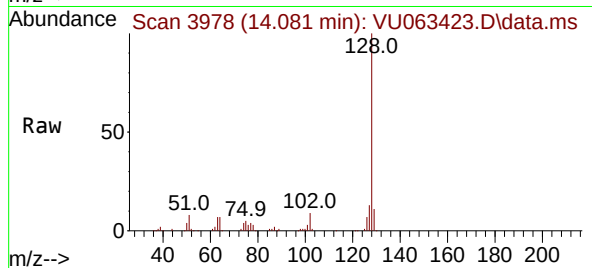
Tgt Ion:	225	Resp:	68268
Ion Ratio	Lower	Upper	
225	100		
223	63.8	50.0	75.0
227	62.8	51.5	77.3





#89
Naphthalene
Concen: 4.577 ug/l
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

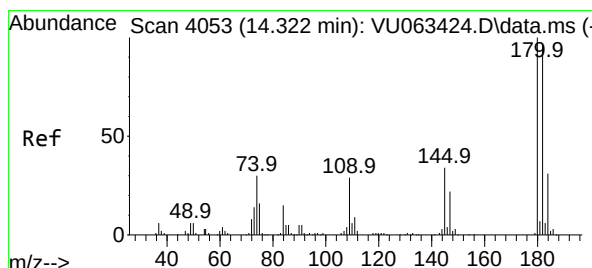
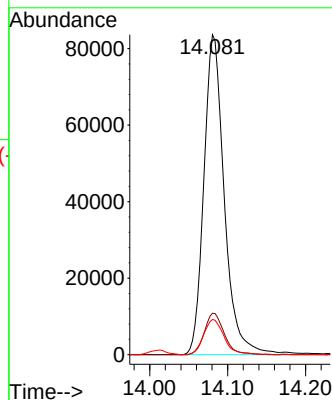
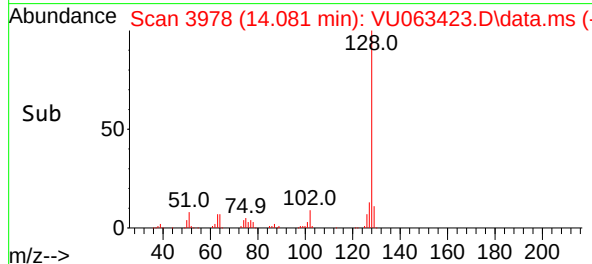
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 152014
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.0 8.7 13.1

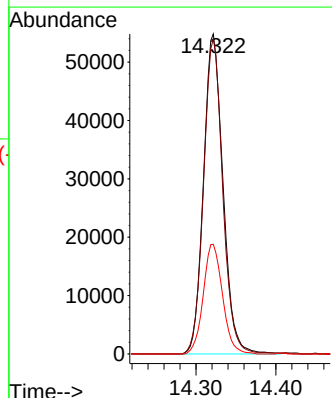
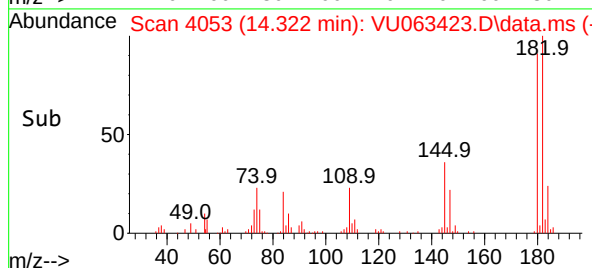
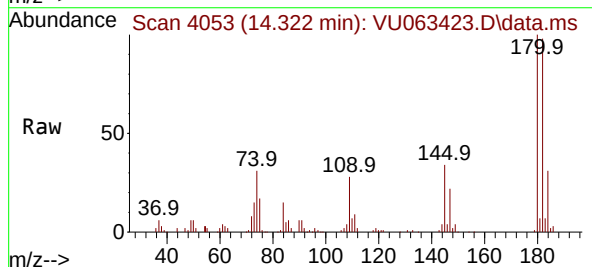
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90
1,2,3-Trichlorobenzene
Concen: 5.163 ug/l
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063423.D
Acq: 23 Jun 2025 11:39

Tgt Ion:180 Resp: 92902
Ion Ratio Lower Upper
180 100
182 97.0 76.7 115.1
145 34.0 27.4 41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063424.D
 Acq On : 23 Jun 2025 12:12
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Quant Time: Jun 24 04:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.101	96	52254	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	22090	1.151	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	20788	1.079	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	204212	10.175	ug/l	100
3) Chloromethane	1.519	50	254620	9.630	ug/l	100
4) Vinyl Chloride	1.599	62	231864	10.241	ug/l	100
5) Bromomethane	1.843	94	104412	9.626	ug/l	100
6) Chloroethane	1.924	64	136372	10.170	ug/l	100
7) Trichlorofluoromethane	2.126	101	262350	10.162	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	139575	10.151	ug/l	100
9) 1,1-Dichloroethene	2.567	96	140464	10.237	ug/l	100
10) Iodomethane	2.708	142	129021	11.650	ug/l	100
11) Allyl Chloride	2.908	41	250668	10.256	ug/l	100
12) Acrylonitrile	3.303	53	79183m	19.973	ug/l	
13) Acetone	2.618	43	185330	46.775	ug/l	100
14) Carbon Disulfide	2.776	76	484188	10.120	ug/l	100
15) Methylene Chloride	3.030	84	170715	9.816	ug/l	100
16) trans-1,2-Dichloroethene	3.332	96	156000	10.105	ug/l	100
17) 1,1-Dichloroethane	3.850	63	329486	10.164	ug/l	100
18) 2-Butanone	4.712	43	278217	50.289	ug/l	100
19) Cyclohexane	5.361	56	253472	10.336	ug/l	100
20) Methylcyclohexane	6.747	83	261906m	11.558	ug/l	
21) 2,2-Dichloropropane	4.644	77	231170	10.034	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	167393	9.934	ug/l	100
23) Diethyl Ether	2.368	59	127560	10.304	ug/l	100
24) tert-Butyl Alcohol	3.191	59	138068	105.867	ug/l	100
25) Methyl tert-Butyl Ether	3.358	73	386323	10.353	ug/l	100
26) Bromochloromethane	4.956	128	66812	10.187	ug/l	100
27) Chloroform	5.068	83	304641	10.025	ug/l	100
28) 1,1,1-Trichloroethane	5.294	97	258747	10.501	ug/l	100
29) 1,1-Dichloropropene	5.506	75	236126	10.490	ug/l	100
30) Carbon Tetrachloride	5.503	117	210006	10.671	ug/l	100
31) Isopropyl Ether	3.991	45	524974	10.306	ug/l	100
32) Ethyl-t-butyl ether	4.503	59	443970m	10.349	ug/l	
33) Tert-Amyl methyl ether	5.943	73	335678	10.945	ug/l	100
34) Propionitrile	4.773	54	76327	47.695	ug/l	100
35) Benzene	5.757	78	719782	10.571	ug/l	100
36) 1,2-Dichloroethane	5.782	62	207416	10.420	ug/l	100
37) Trichloroethene	6.528	130	167938	10.437	ug/l	100
38) 1,2-Dichloropropane	6.782	63	201915	10.737	ug/l	100
39) Methacrylonitrile	4.969	41	67169m	10.087	ug/l	
40) Methyl acrylate	4.847	55	105986m	11.314	ug/l	
41) Tetrahydrofuran	5.059	42	68718	19.185	ug/l	100
42) 1-Chlorobutane	5.438	56	334002m	10.459	ug/l	
43) Dibromomethane	6.908	93	91293	10.392	ug/l	100
44) Bromodichloromethane	7.097	83	220943	10.325	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063424.D
 Acq On : 23 Jun 2025 12:12
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Quant Time: Jun 24 04:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	537078	56.952	ug/l	100
46) t-1,4-Dichloro-2-butene	10.824	75	60214m	20.003	ug/l	
47) Methyl methacrylate	6.962	69	166457	19.900	ug/l	100
48) Ethyl methacrylate	8.332	69	149278	10.032	ug/l	100
49) Toluene	7.959	92	428644	11.466	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	178770	11.584	ug/l	100
51) cis-1,3-Dichloropropene	7.599	75	235814	11.377	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	133693	10.410	ug/l	100
53) 1,3-Dichloropropane	8.567	76	235694	10.667	ug/l	100
54) 2-Hexanone	8.682	43	365372	49.608	ug/l	100
55) Dibromochloromethane	8.801	129	142275	10.738	ug/l	100
56) 1,2-Dibromoethane	8.917	107	106958	10.274	ug/l	100
58) Tetrachloroethene	8.544	164	168950	10.703	ug/l	100
59) Chlorobenzene	9.438	112	438712	10.962	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	150859	10.472	ug/l	100
61) Pentachloroethane	11.419	117	118366	10.085	ug/l	100
62) Hexachloroethane	12.464	117	111035	10.520	ug/l	100
63) Ethyl Benzene	9.560	91	761340	11.866	ug/l	100
64) m/p-Xylenes	9.686	106	610897	20.136	ug/l	100
65) o-Xylene	10.091	106	285691	11.721	ug/l	100
66) Styrene	10.107	104	490962	10.073	ug/l	100
67) Bromoform	10.280	173	77677	10.729	ug/l	100
69) Isopropylbenzene	10.477	105	669313	11.853	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	168805	10.276	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	124477m	9.106	ug/l	
72) Bromobenzene	10.772	156	175355	11.063	ug/l	100
73) n-propylbenzene	10.898	120	204608	9.993	ug/l	100
74) 2-Chlorotoluene	10.978	126	181480	11.583	ug/l	100
75) 1,3,5-Trimethylbenzene	11.078	105	682011	10.140	ug/l	100
76) 4-Chlorotoluene	11.088	126	186781	11.380	ug/l	100
77) tert-Butylbenzene	11.412	119	606159	11.683	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	683754	10.009	ug/l	100
79) sec-Butylbenzene	11.634	105	866539	11.792	ug/l	100
80) Nitrobenzene	13.203	77	36905m	47.915	ug/l	
81) p-Isopropyltoluene	11.785	119	711414	10.066	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	355315	10.821	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	367089m	10.783	ug/l	
84) n-Butylbenzene	12.200	91	711858	11.834	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	343052	10.917	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.988	75	25123	11.125	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	195352	11.150	ug/l	100
88) Hexachlorobutadiene	14.010	225	132052	10.630	ug/l	100
89) Naphthalene	14.081	128	350002	9.670	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	196276	11.266	ug/l	100

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

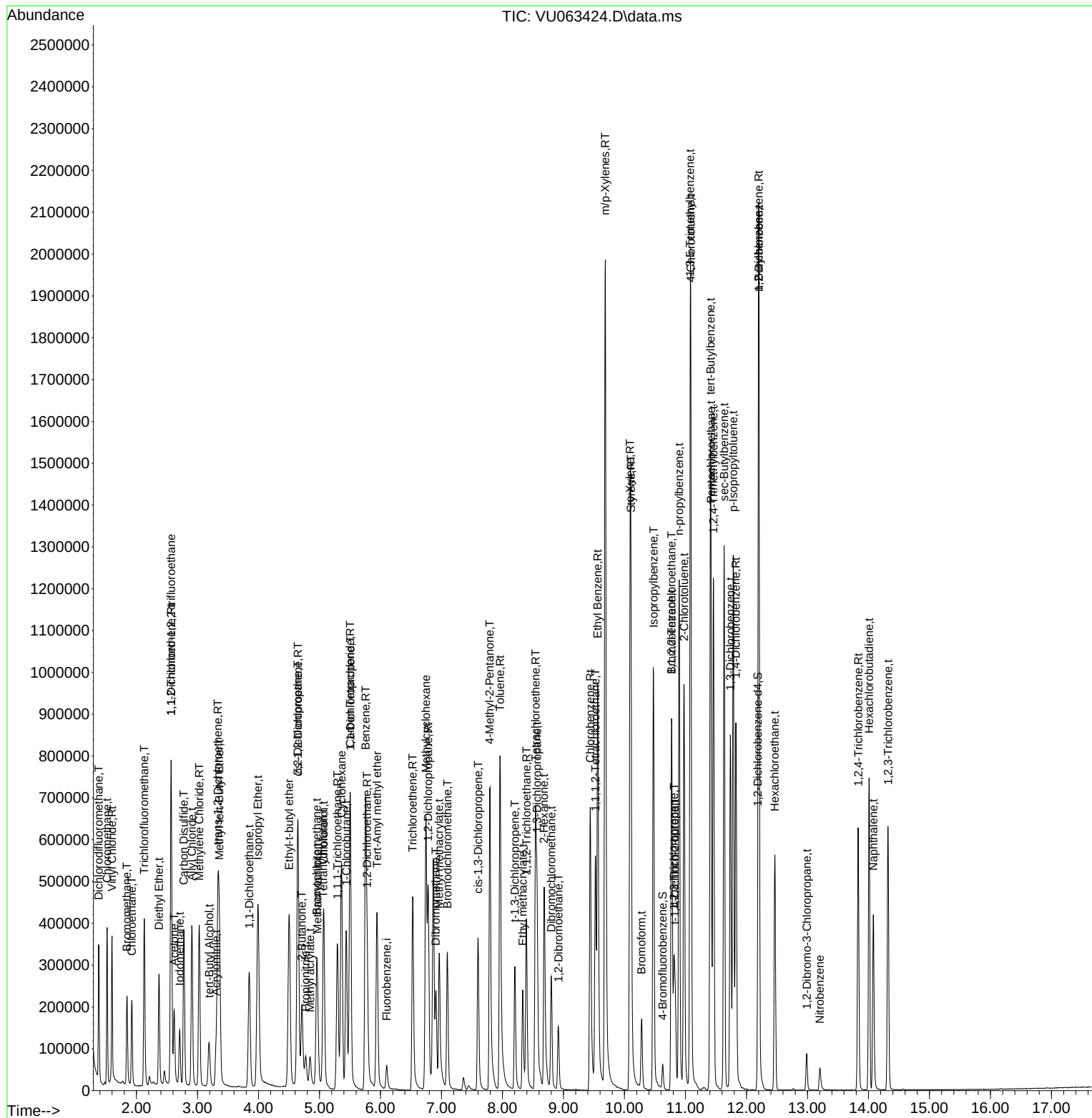
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 Acq On : 23 Jun 2025 12:12
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

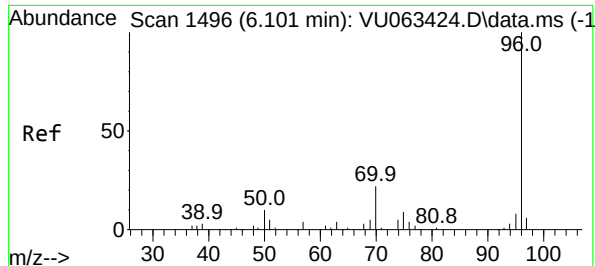
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 06/25/2025
 Supervised By : Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration





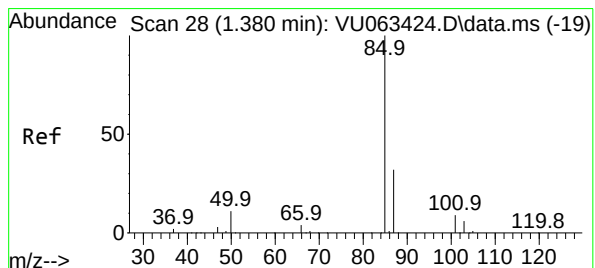
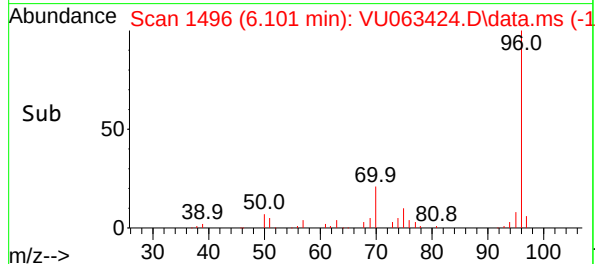
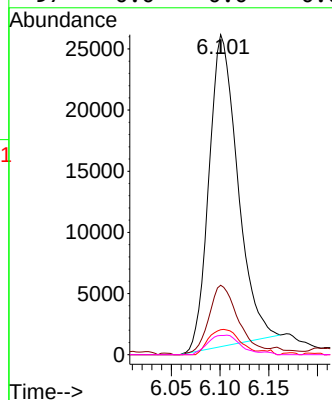
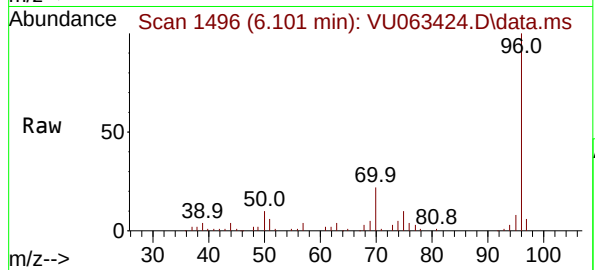
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.101 min Scan# 1496
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 96 Resp: 52254
Ion Ratio Lower Upper
96 100
70 20.5 16.4 24.6
95 7.7 6.2 9.2
97 0.0 0.0 0.0

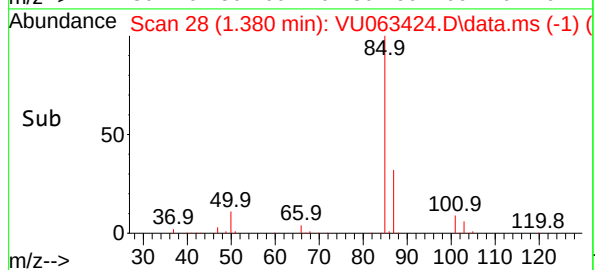
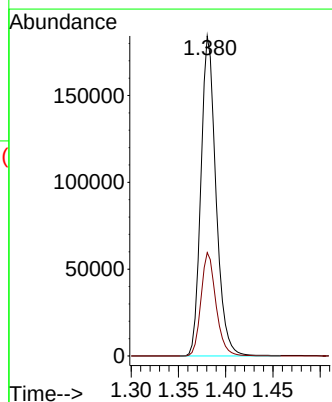
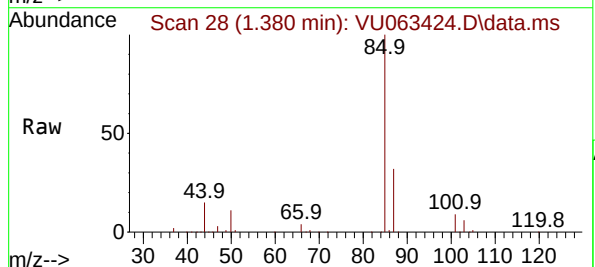
Manual Integrations
APPROVED

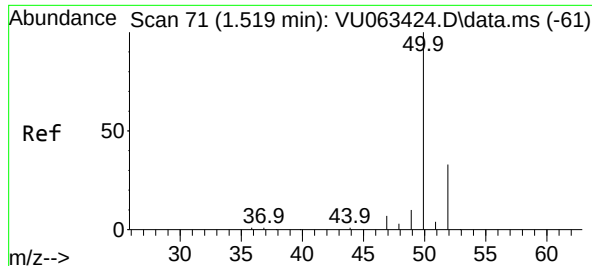
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 10.175 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 85 Resp: 204212
Ion Ratio Lower Upper
85 100
87 32.3 16.2 48.5





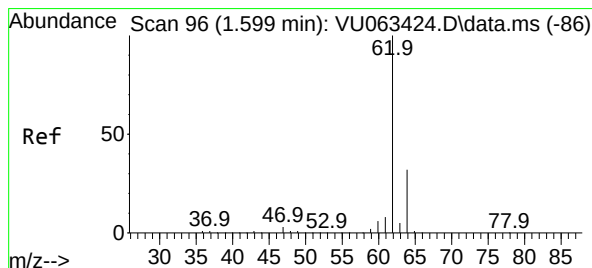
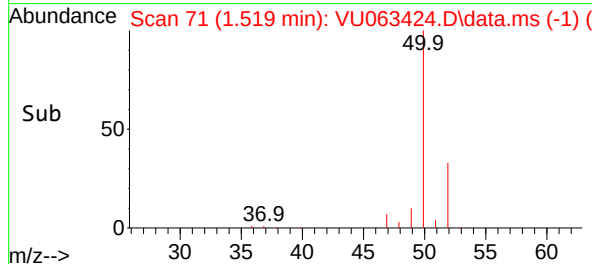
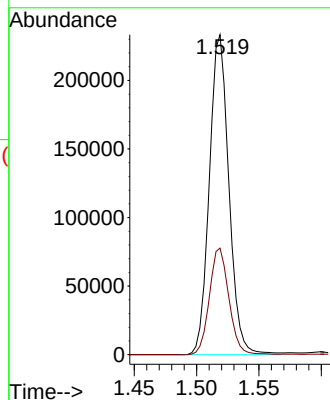
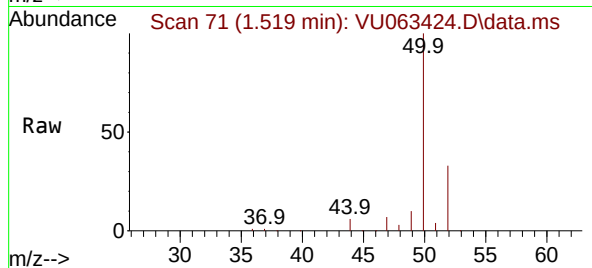
#3
Chloromethane
Concen: 9.630 ug/l
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 50 Resp: 254620
Ion Ratio Lower Upper
50 100
52 33.3 26.6 40.0

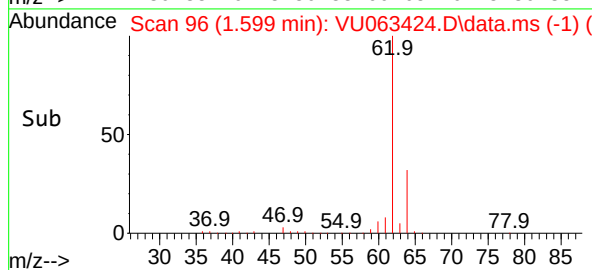
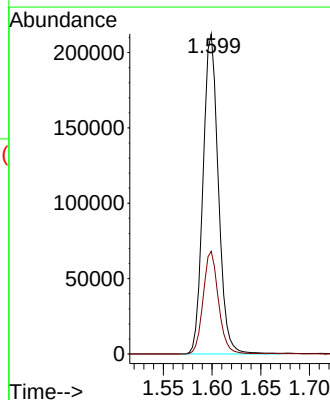
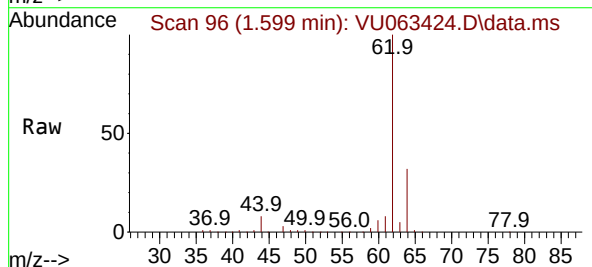
Manual Integrations
APPROVED

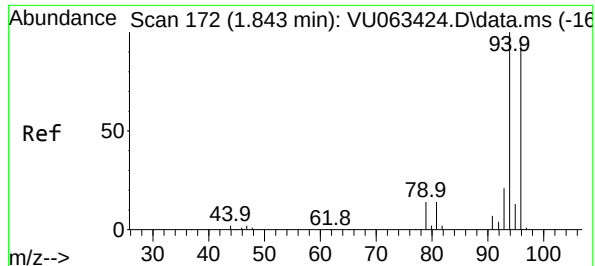
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 10.241 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

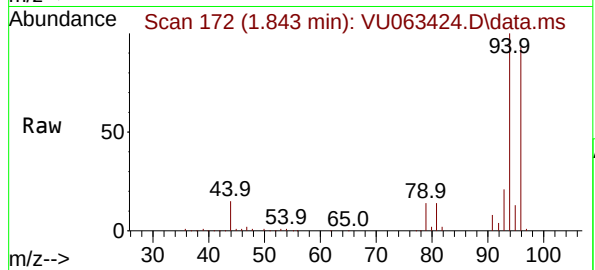
Tgt Ion: 62 Resp: 231864
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





#5
Bromomethane
Concen: 9.626 ug/l
RT: 1.843 min Scan# 172
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

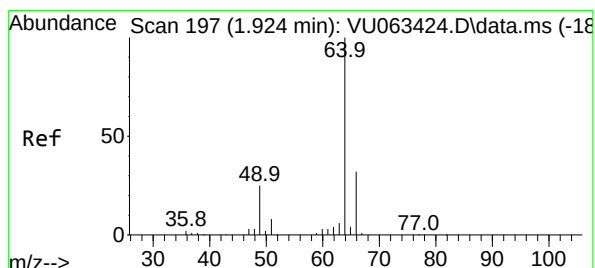
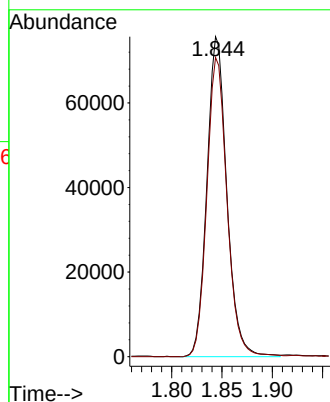
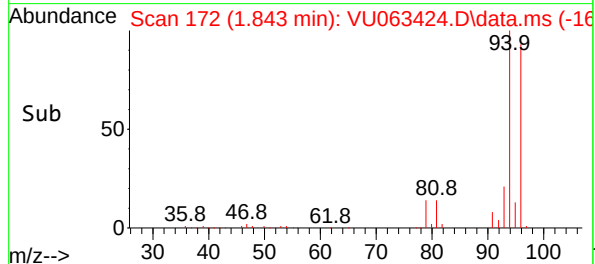
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 94 Resp: 104412
Ion Ratio Lower Upper
94 100
96 93.5 74.8 112.2

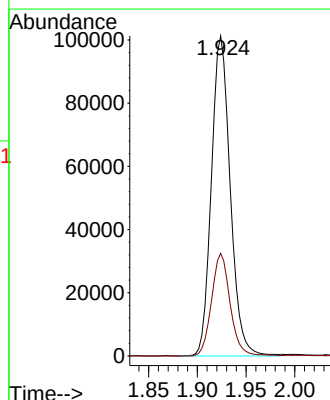
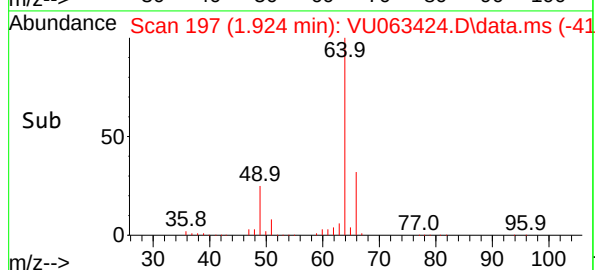
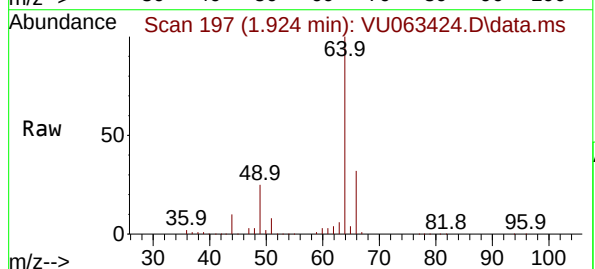
Manual Integrations
APPROVED

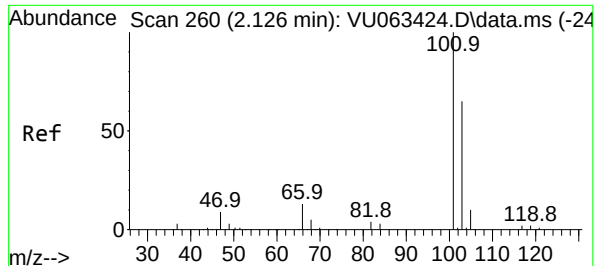
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 10.170 ug/l
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

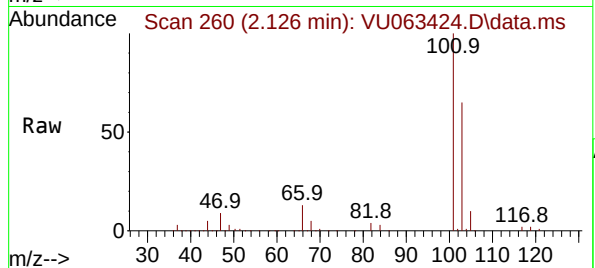
Tgt Ion: 64 Resp: 136372
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5





#7
Trichlorofluoromethane
Concen: 10.162 ug/l
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

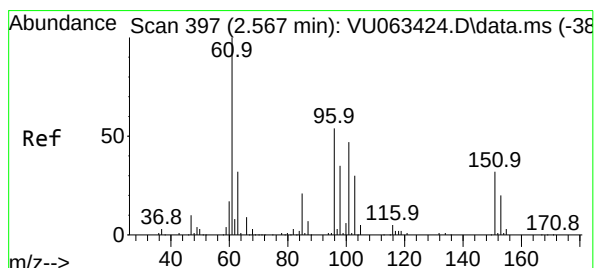
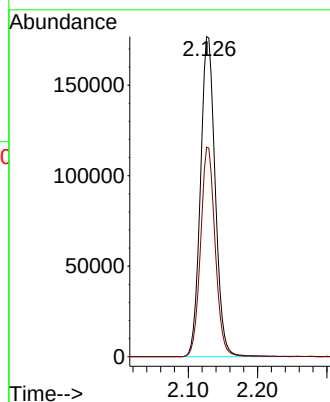
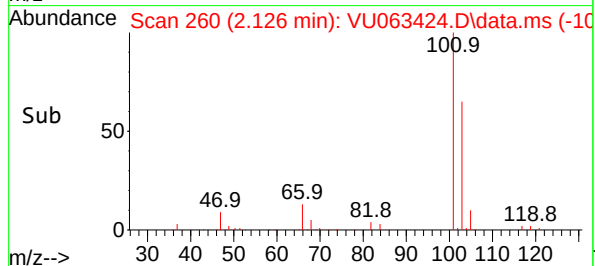
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



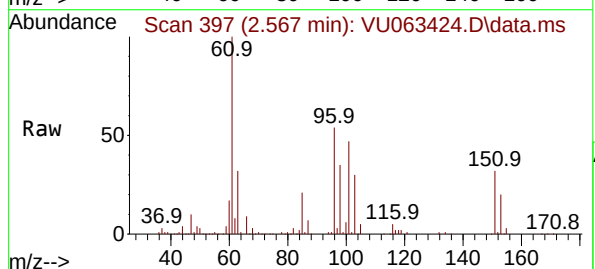
Tgt Ion:101 Resp: 262350
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5

Manual Integrations
APPROVED

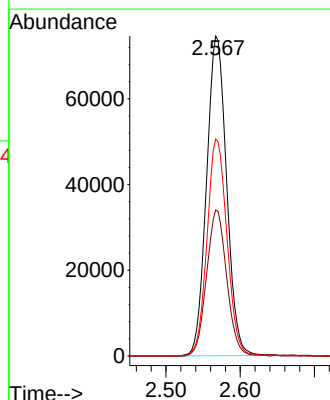
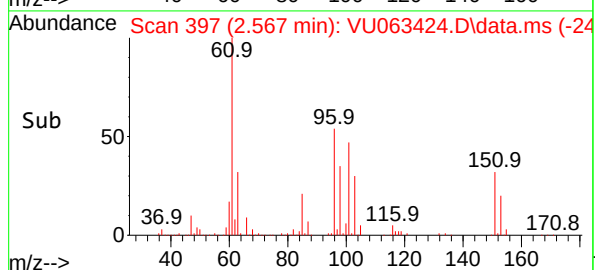
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

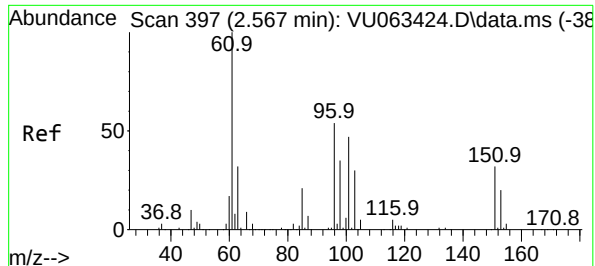


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.151 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12



Tgt Ion:101 Resp: 139575
Ion Ratio Lower Upper
101 100
85 45.9 36.7 55.1
151 67.4 53.9 80.9





#9

1,1-Dichloroethene

Concen: 10.237 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 96 Resp: 140464

Ion Ratio Lower Upper

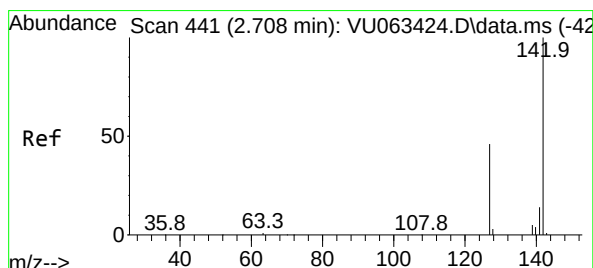
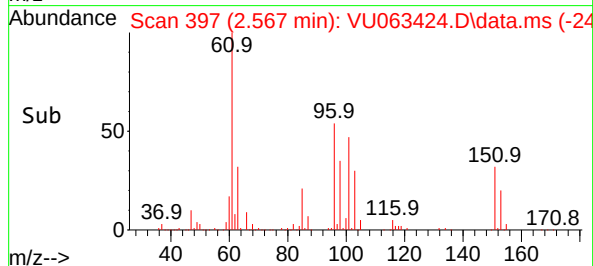
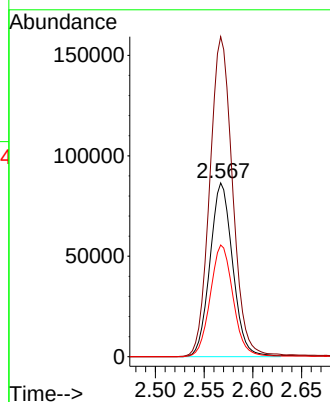
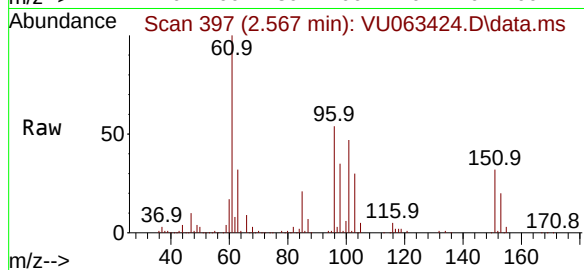
96 100

61 184.0 0.0 552.0

98 64.2 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#10

Iodomethane

Concen: 11.650 ug/l

RT: 2.708 min Scan# 441

Delta R.T. 0.000 min

Lab File: VU063424.D

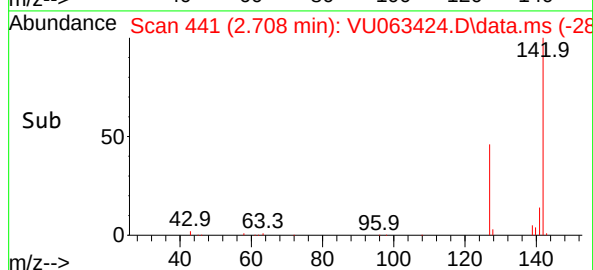
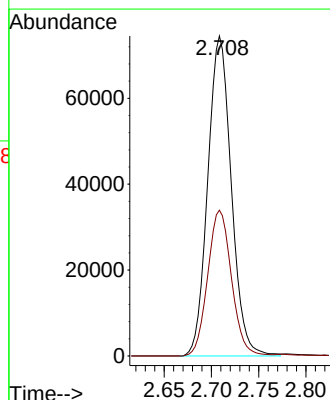
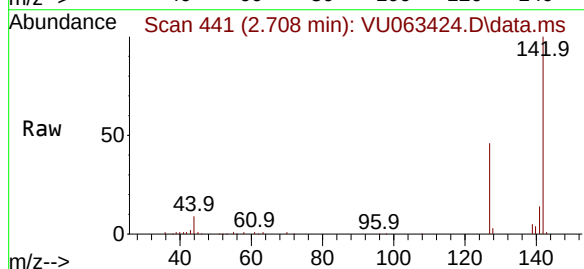
Acq: 23 Jun 2025 12:12

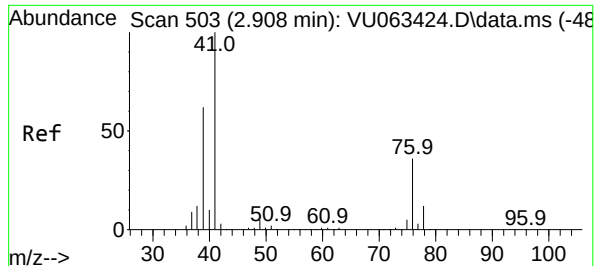
Tgt Ion:142 Resp: 129021

Ion Ratio Lower Upper

142 100

127 46.1 36.9 55.3





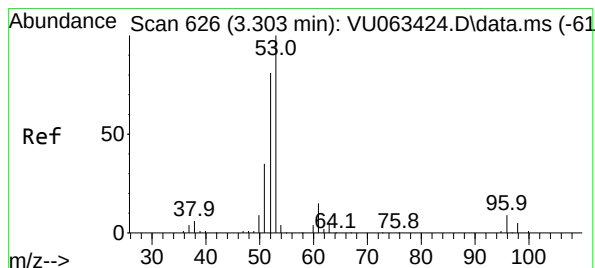
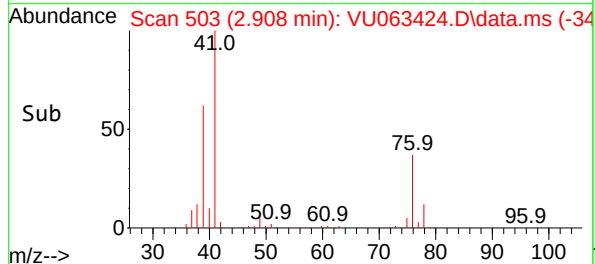
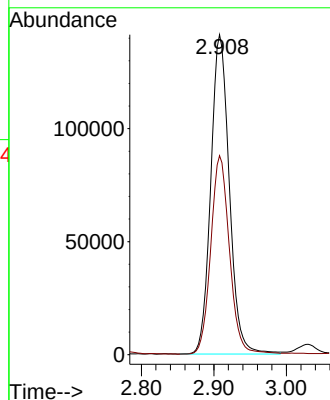
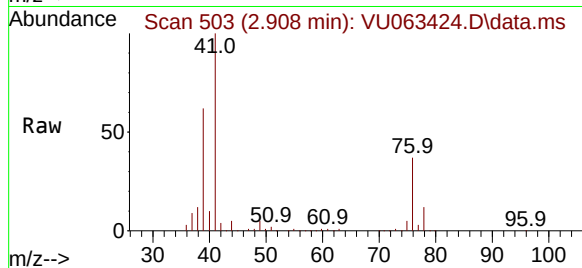
#11
Allyl Chloride
Concen: 10.256 ug/l
RT: 2.908 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 250668
Ion Ratio Lower Upper
41 100
39 62.9 50.3 75.5

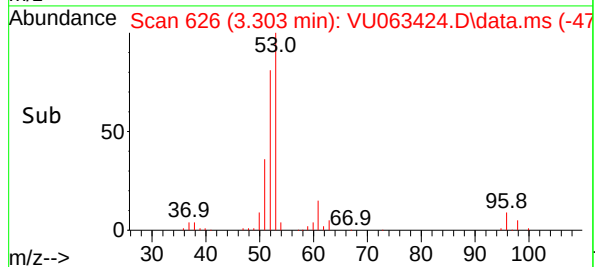
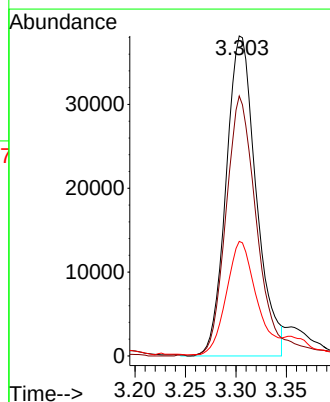
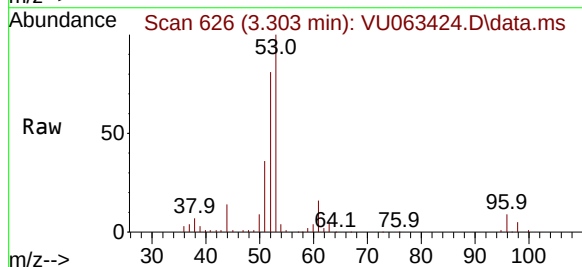
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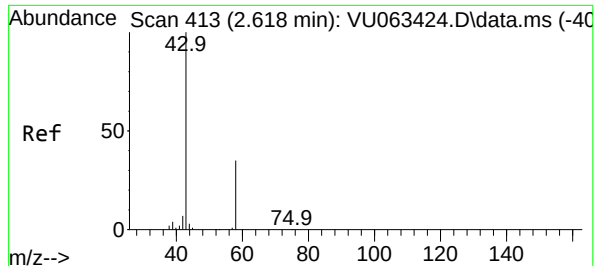
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#12
Acrylonitrile
Concen: 19.973 ug/l m
RT: 3.303 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 53 Resp: 79183
Ion Ratio Lower Upper
53 100
52 85.3 62.8 94.2
51 35.6 26.2 39.4





#13

Acetone

Concen: 46.775 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 185330

Ion Ratio Lower Upper

43 100

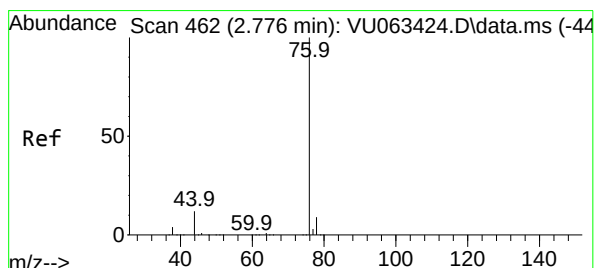
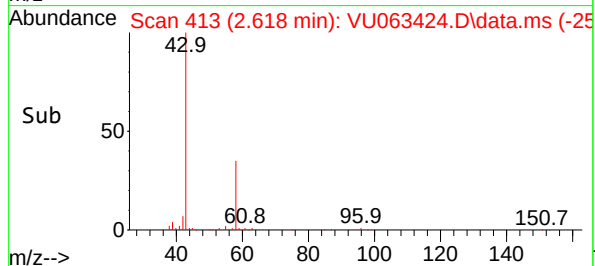
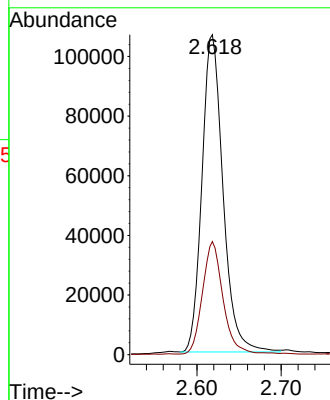
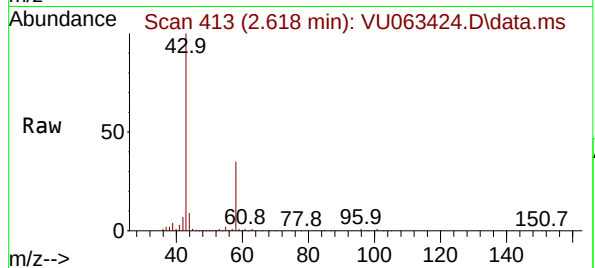
58 35.4 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 10.120 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063424.D

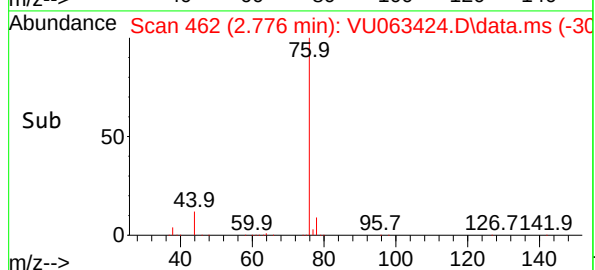
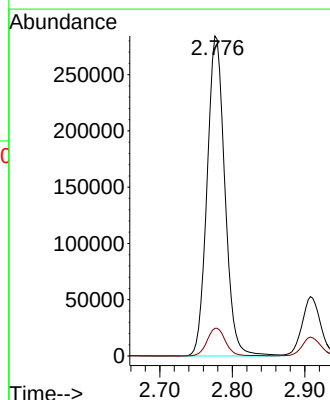
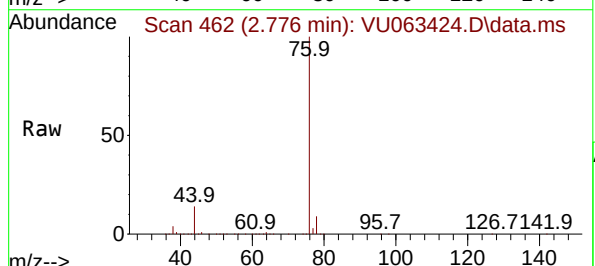
Acq: 23 Jun 2025 12:12

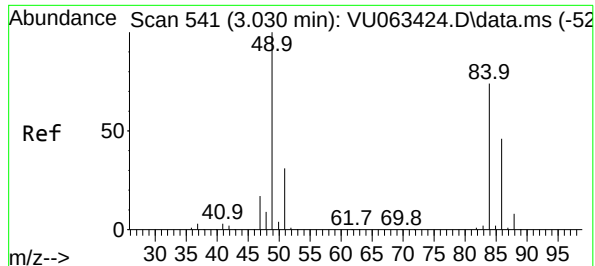
Tgt Ion: 76 Resp: 484188

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3





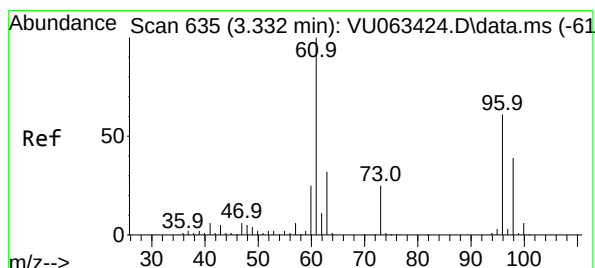
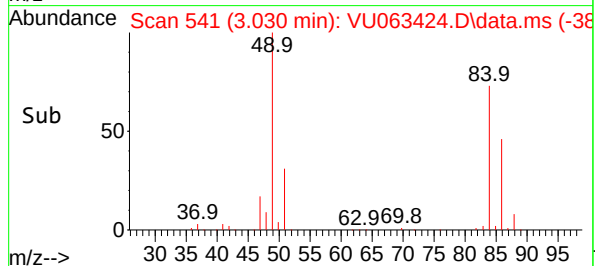
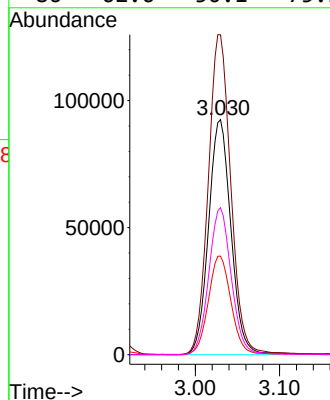
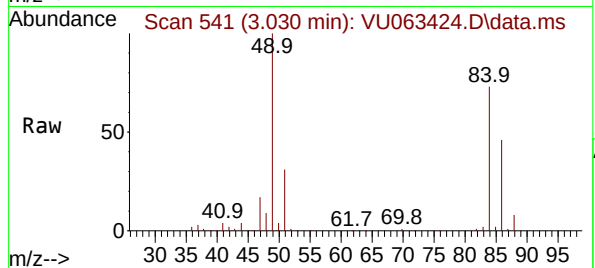
#15
Methylene Chloride
Concen: 9.816 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 84 Resp: 170715
Ion Ratio Lower Upper
84 100
49 135.9 108.7 163.1
51 41.9 0.0 83.8
86 62.6 50.1 75.1

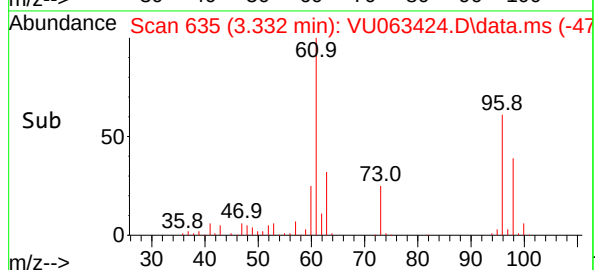
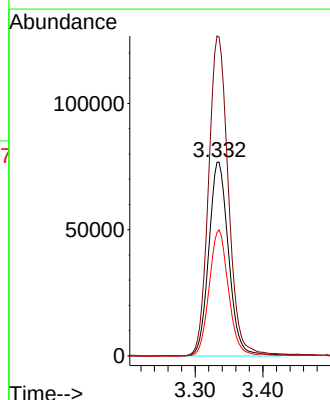
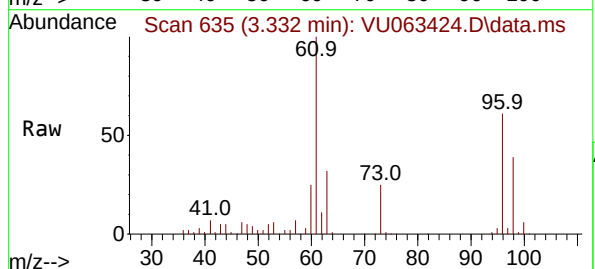
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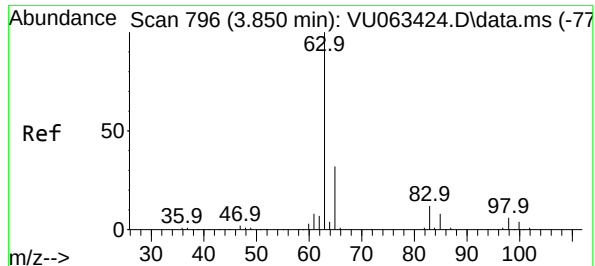
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#16
trans-1,2-Dichloroethene
Concen: 10.105 ug/l
RT: 3.332 min Scan# 635
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 96 Resp: 156000
Ion Ratio Lower Upper
96 100
61 165.1 132.1 198.1
98 63.7 51.0 76.4





#17

1,1-Dichloroethane

Concen: 10.164 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

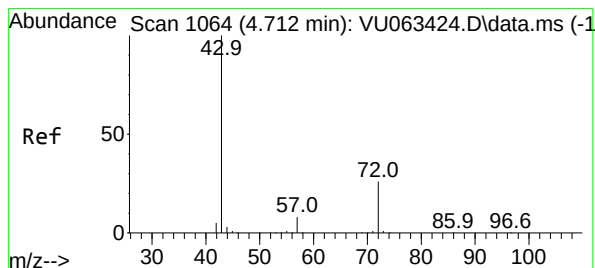
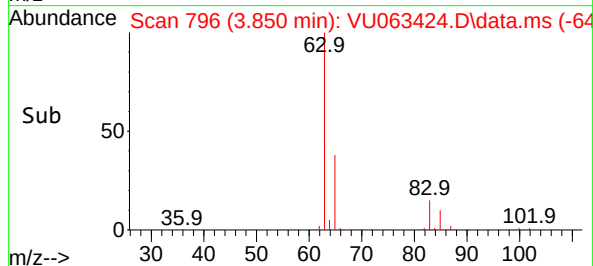
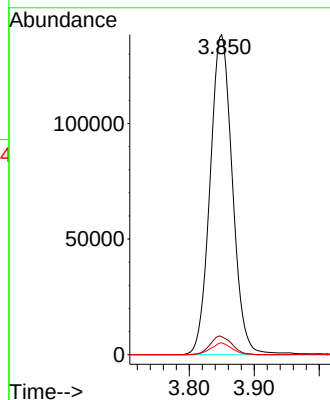
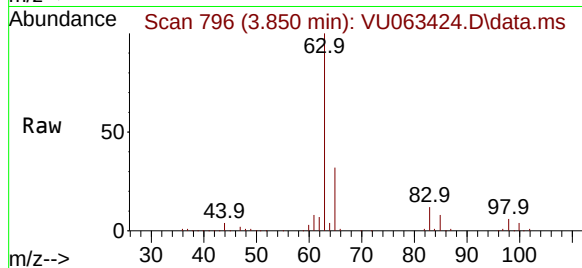
Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:	63	Resp:	32948
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.8	8.4
100	3.8	1.9	5.7

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#18

2-Butanone

Concen: 50.289 ug/l

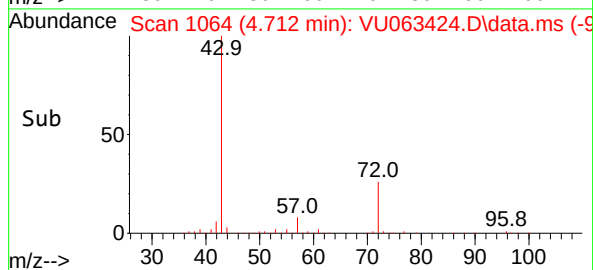
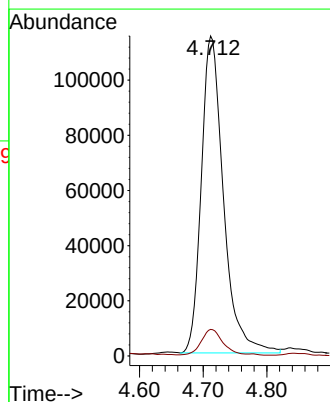
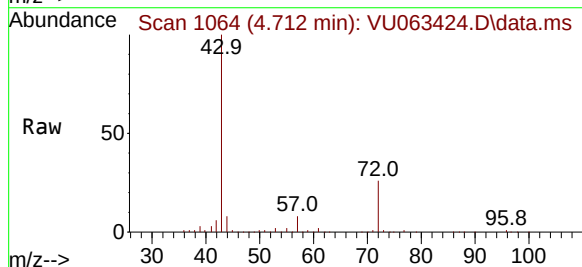
RT: 4.712 min Scan# 1064

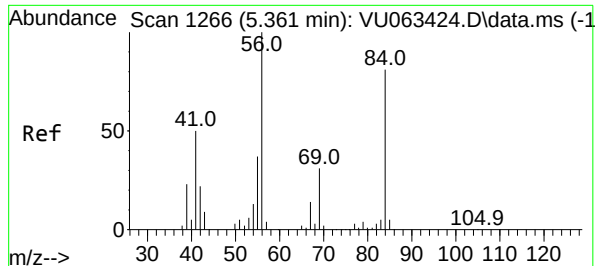
Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Tgt Ion:	43	Resp:	278217
Ion Ratio	Lower	Upper	
43	100		
57	8.0	0.0	16.0





#19

Cyclohexane

Concen: 10.336 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 56 Resp: 253472

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

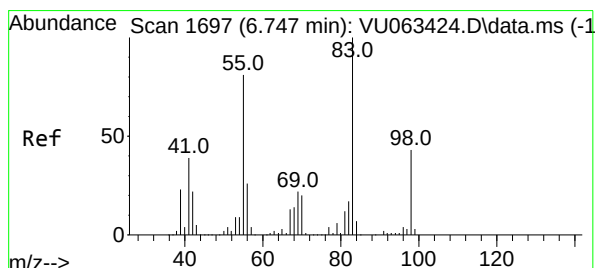
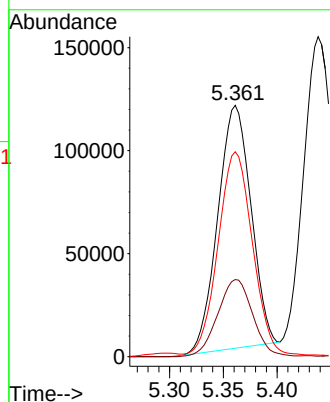
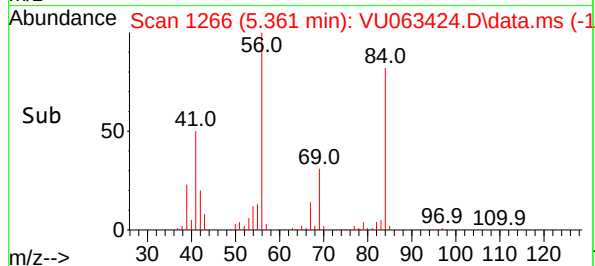
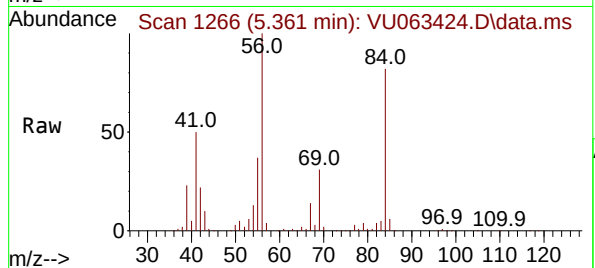
84 85.7 68.6 102.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 11.558 ug/l m

RT: 6.747 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

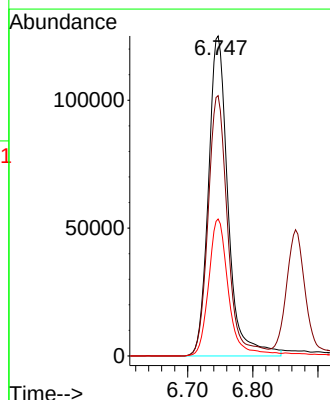
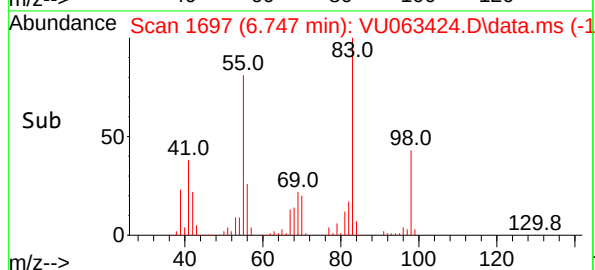
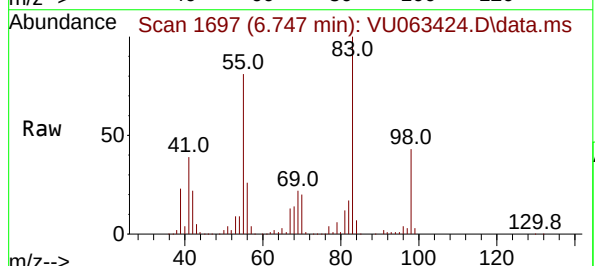
Tgt Ion: 83 Resp: 261906

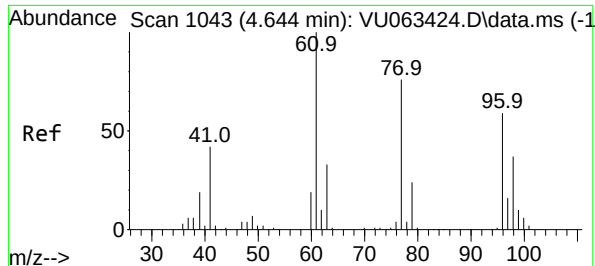
Ion Ratio Lower Upper

83 100

55 77.4 63.5 95.3

98 41.7 34.2 51.4





#21

2,2-Dichloropropane

Concen: 10.034 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 77 Resp: 231170

Ion Ratio Lower Upper

77 100

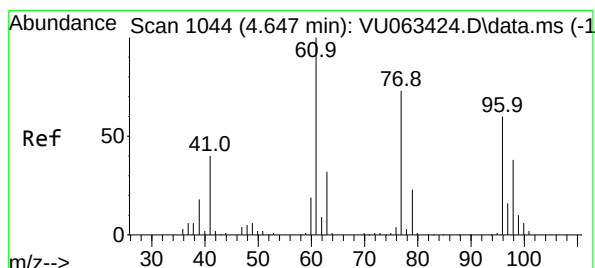
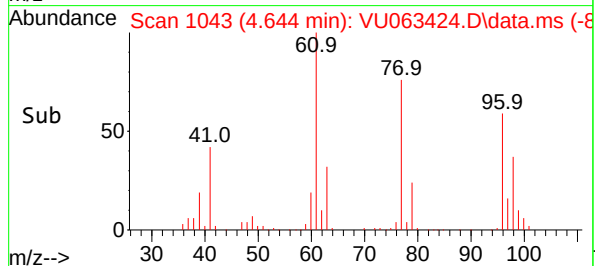
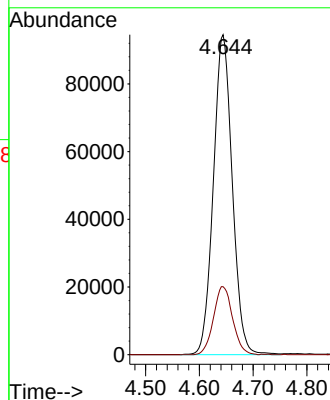
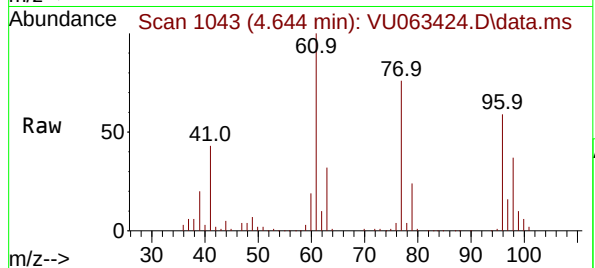
97 21.5 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#22

cis-1,2-Dichloroethene

Concen: 9.934 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

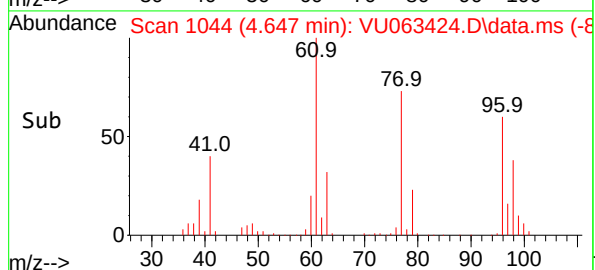
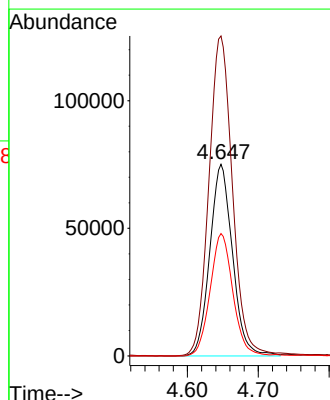
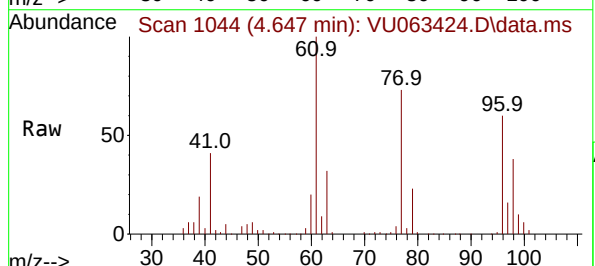
Tgt Ion: 96 Resp: 167393

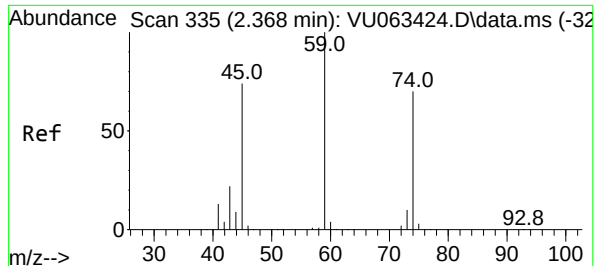
Ion Ratio Lower Upper

96 100

61 173.7 0.0 434.3

98 63.8 31.9 95.7





#23

Diethyl Ether

Concen: 10.304 ug/l

RT: 2.368 min Scan# 335

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 127560

Ion Ratio Lower Upper

59 100

45 75.9 60.7 91.1

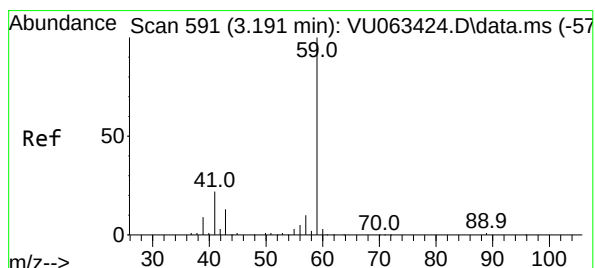
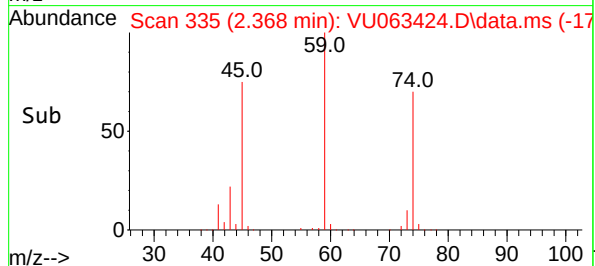
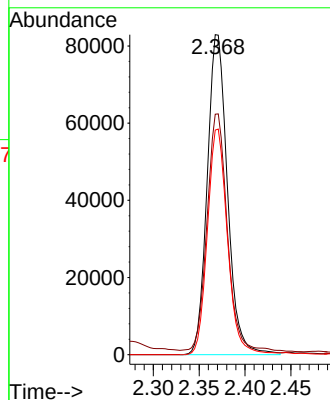
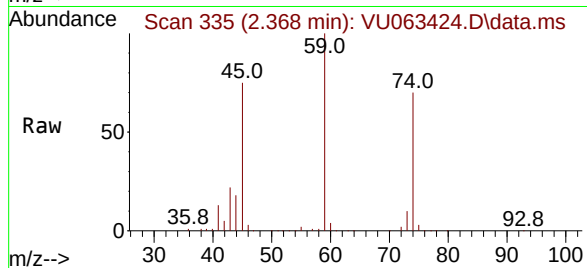
74 69.7 55.8 83.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#24

tert-Butyl Alcohol

Concen: 105.867 ug/l

RT: 3.191 min Scan# 591

Delta R.T. 0.000 min

Lab File: VU063424.D

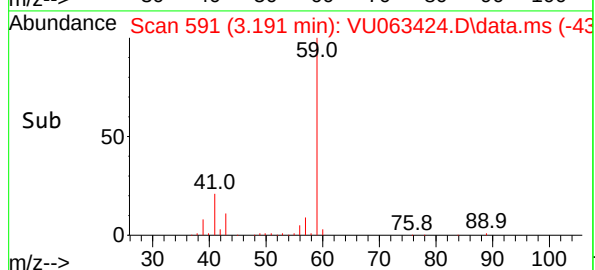
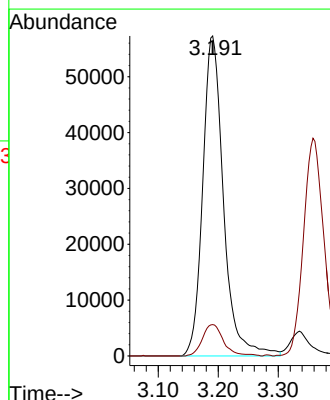
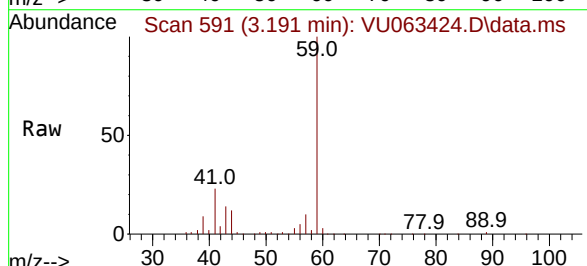
Acq: 23 Jun 2025 12:12

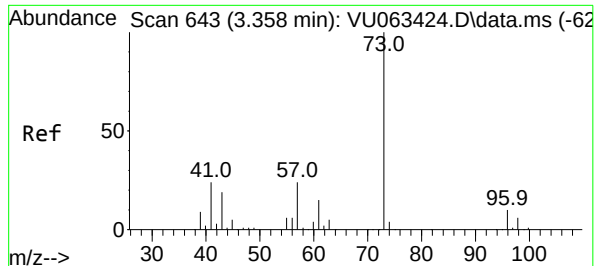
Tgt Ion: 59 Resp: 138068

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8





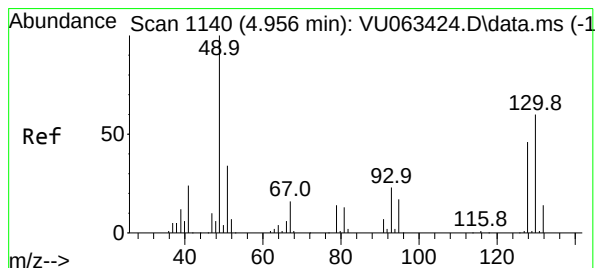
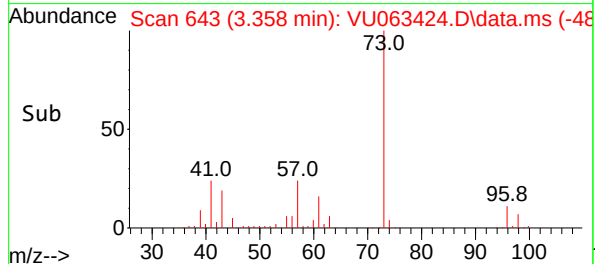
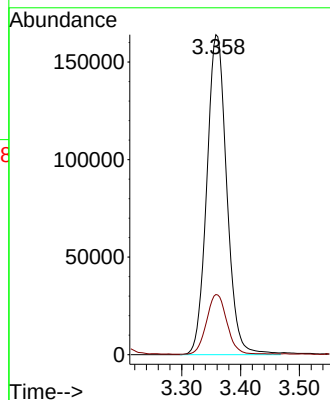
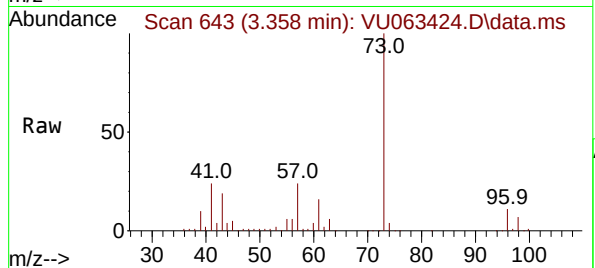
#25
Methyl tert-Butyl Ether
Concen: 10.353 ug/l
RT: 3.358 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 73 Resp: 38632
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7

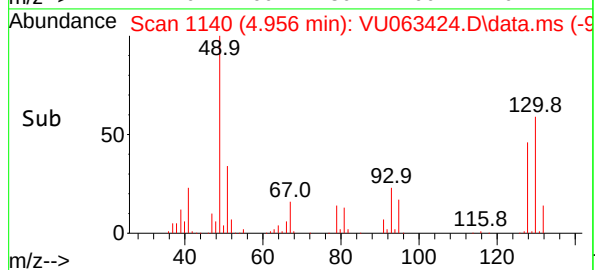
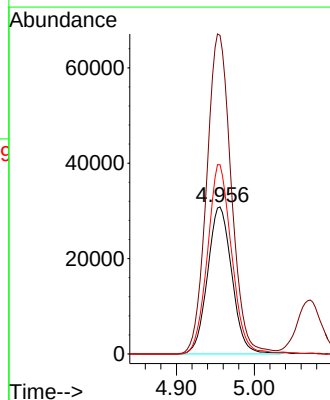
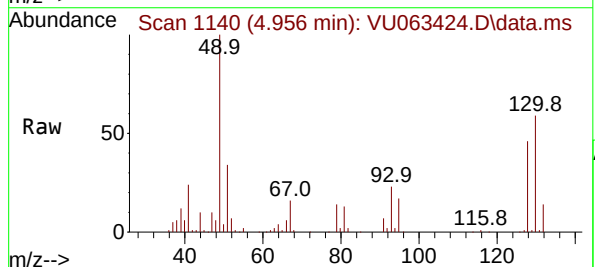
Manual Integrations
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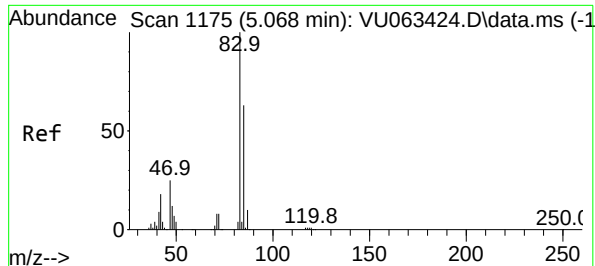
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#26
Bromochloromethane
Concen: 10.187 ug/l
RT: 4.956 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:128 Resp: 66812
Ion Ratio Lower Upper
128 100
49 220.6 0.0 441.2
130 127.9 102.3 153.5





#27

Chloroform

Concen: 10.025 ug/l

RT: 5.068 min Scan# 1175

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 30464

Ion Ratio Lower Upper

83 100

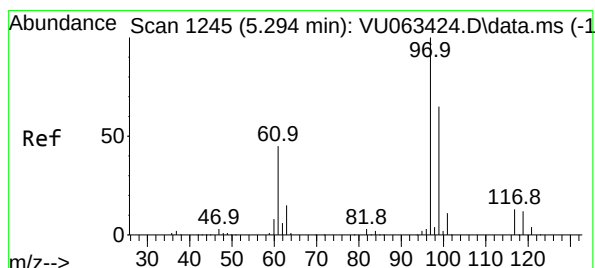
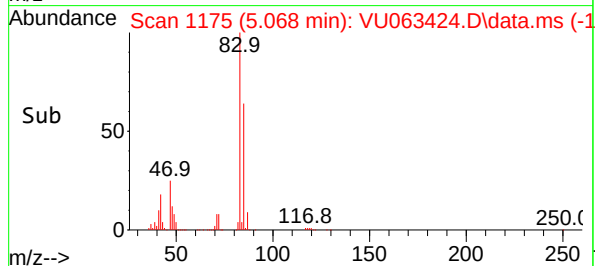
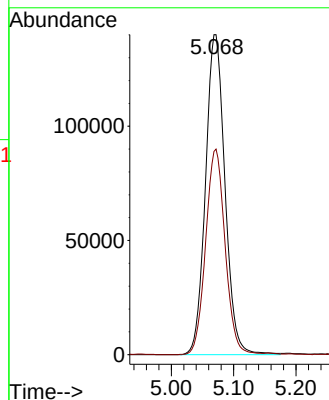
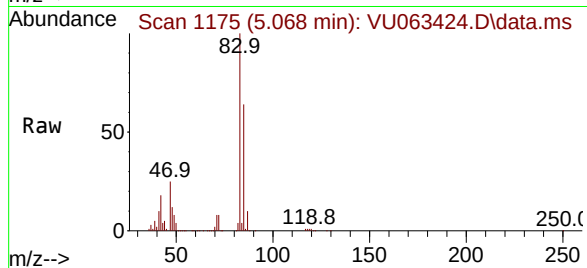
85 63.4 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 10.501 ug/l

RT: 5.294 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

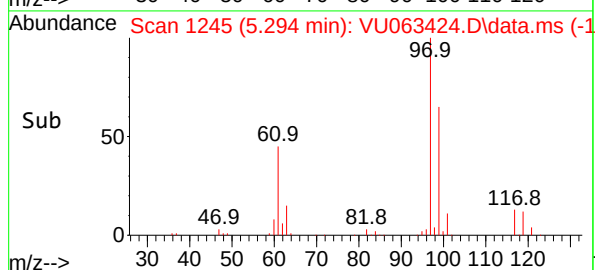
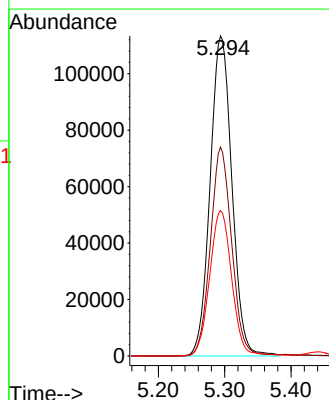
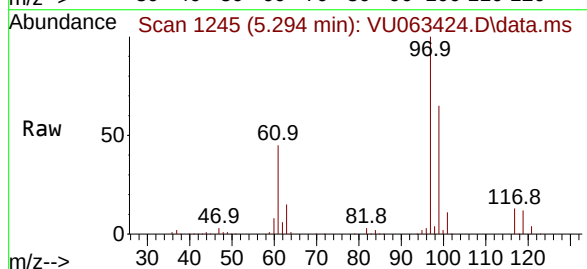
Tgt Ion: 97 Resp: 258747

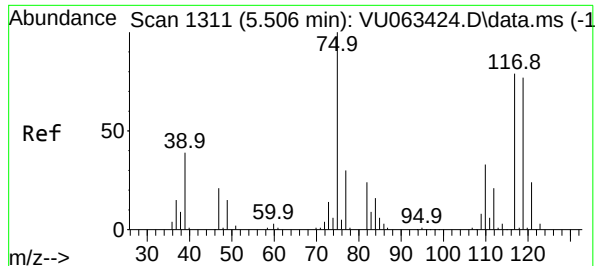
Ion Ratio Lower Upper

97 100

99 63.7 31.9 95.5

61 45.8 22.9 68.7





#29

1,1-Dichloropropene

Concen: 10.490 ug/l

RT: 5.506 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 236120

Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

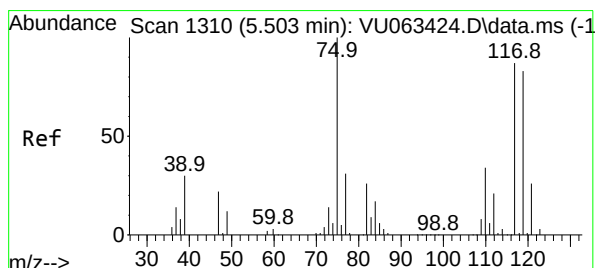
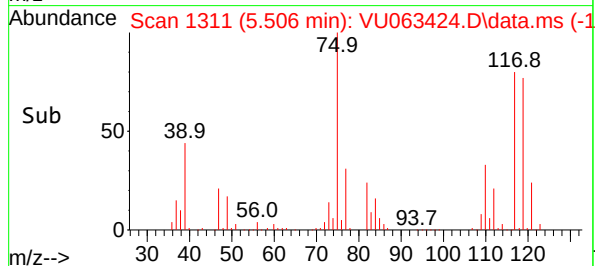
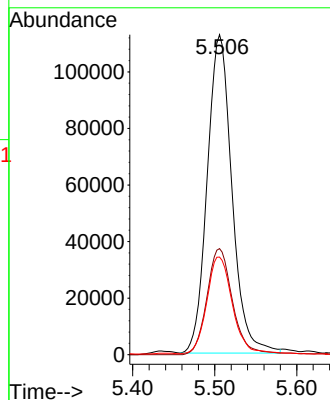
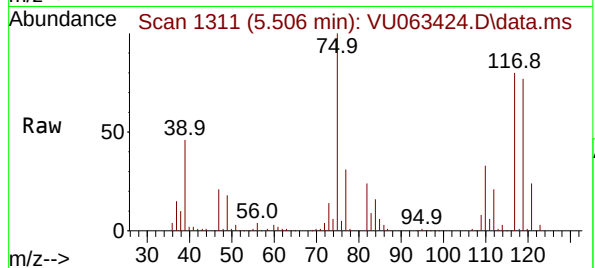
77 31.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 10.671 ug/l

RT: 5.503 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

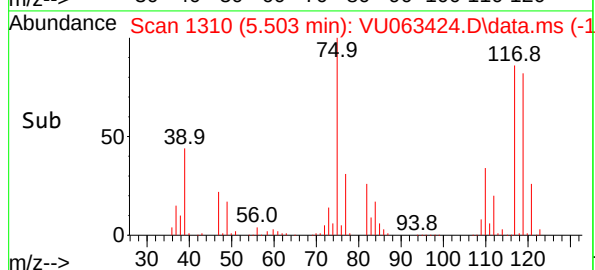
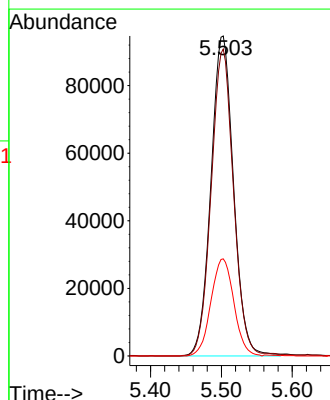
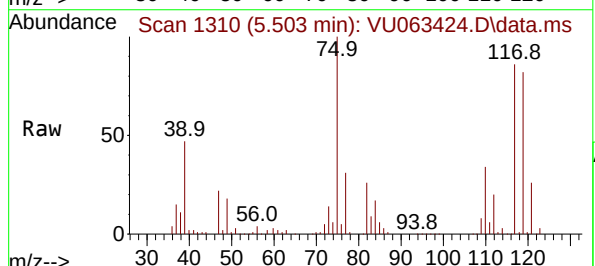
Tgt Ion:117 Resp: 210006

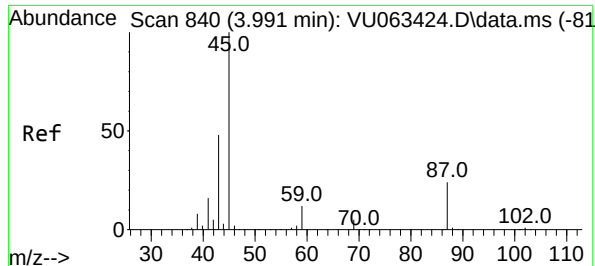
Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1

121 30.4 24.3 36.5





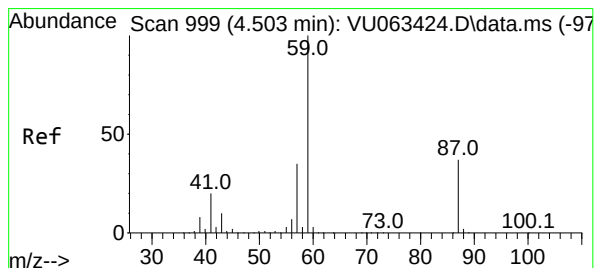
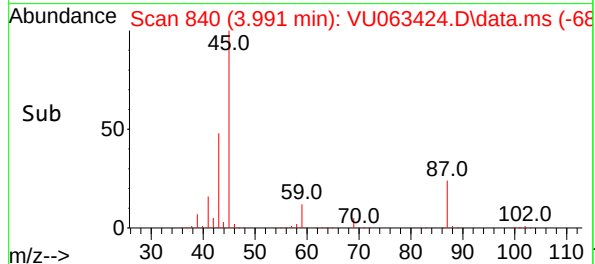
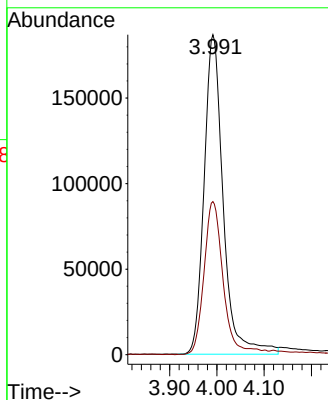
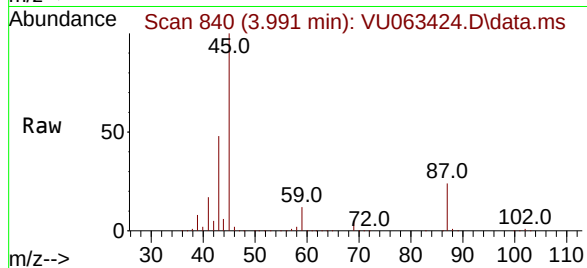
#31
Isopropyl Ether
Concen: 10.306 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 524974
Ion Ratio Lower Upper
45 100
43 47.7 23.8 71.5

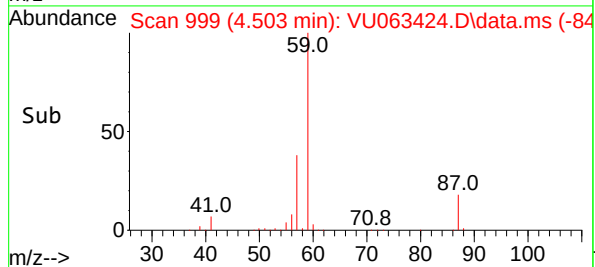
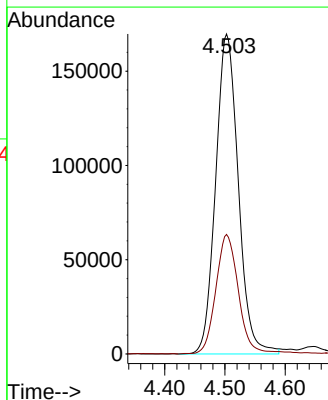
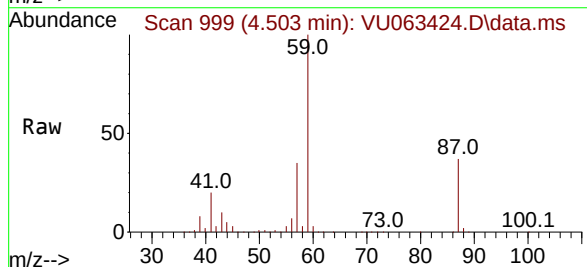
Manual Integrations
APPROVED

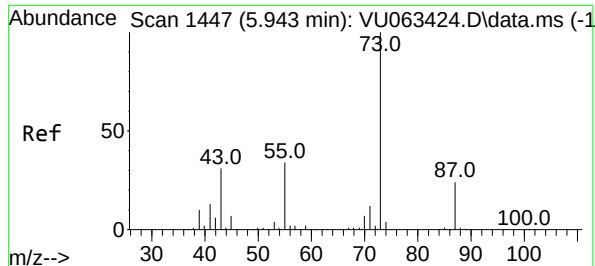
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 10.349 ug/l m
RT: 4.503 min Scan# 999
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 59 Resp: 443970
Ion Ratio Lower Upper
59 100
87 36.5 29.9 44.9





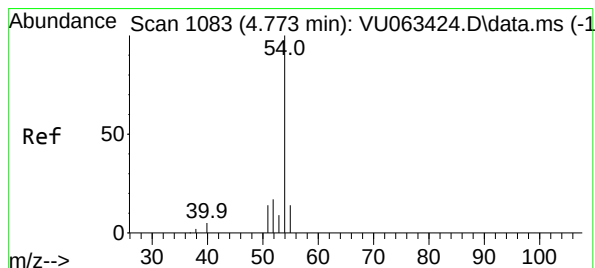
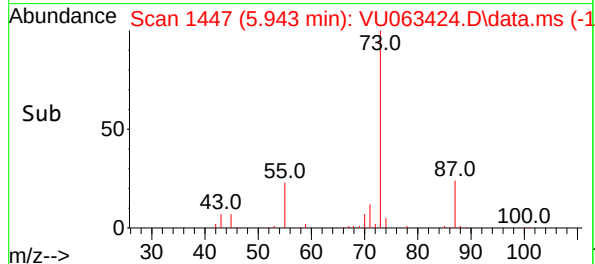
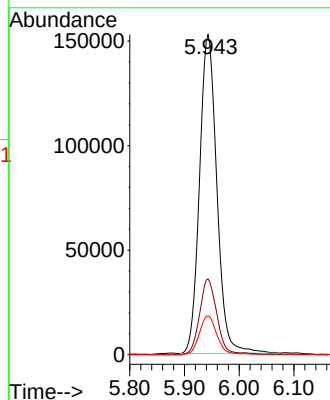
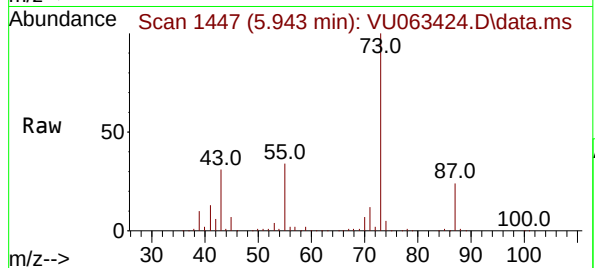
#33
Tert-Amyl methyl ether
Concen: 10.945 ug/l
RT: 5.943 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 73 Resp: 335678
Ion Ratio Lower Upper
73 100
87 22.6 18.1 27.1
71 12.5 10.0 15.0

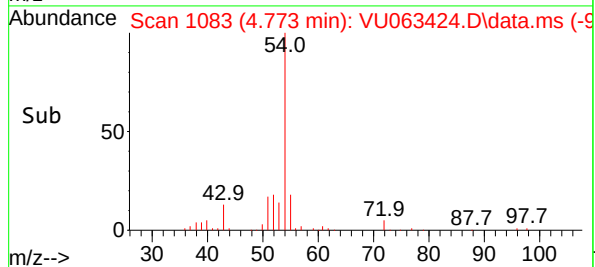
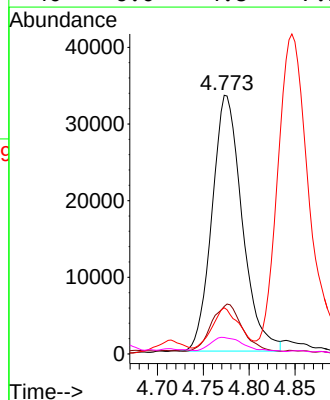
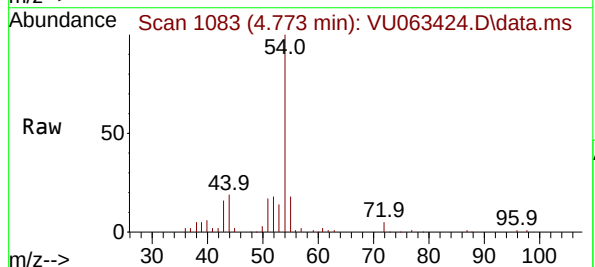
Manual Integrations
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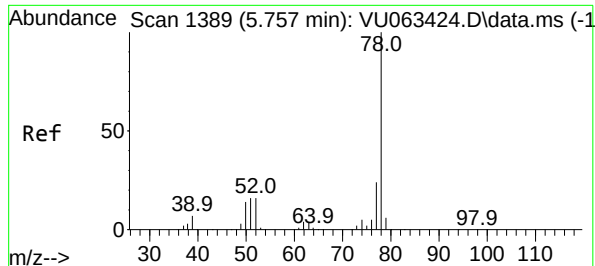
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#34
Propionitrile
Concen: 47.695 ug/l
RT: 4.773 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 54 Resp: 76327
Ion Ratio Lower Upper
54 100
52 18.5 14.8 22.2
55 15.2 12.2 18.2
40 6.0 4.8 7.2





#35

Benzene

Concen: 10.571 ug/l

RT: 5.757 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 78 Resp: 71978

Ion Ratio Lower Upper

78 100

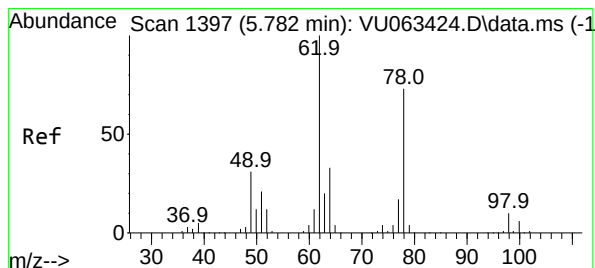
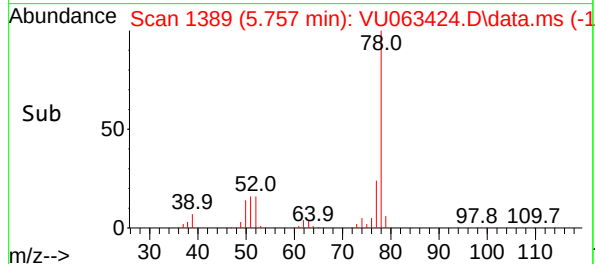
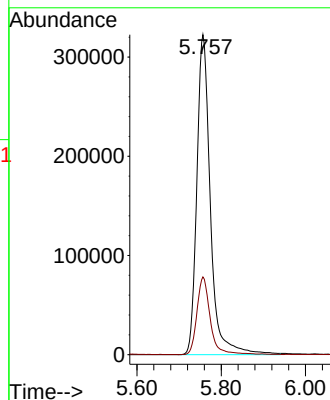
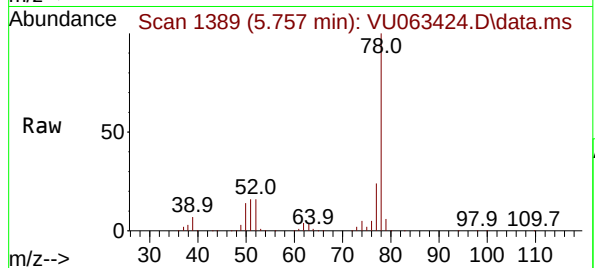
77 24.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#36

1,2-Dichloroethane

Concen: 10.420 ug/l

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063424.D

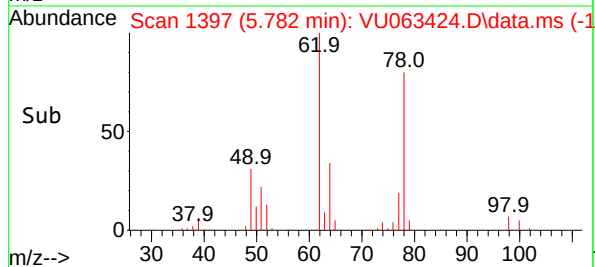
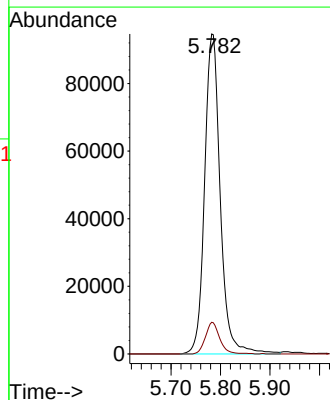
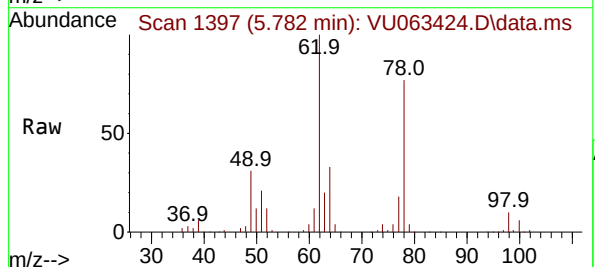
Acq: 23 Jun 2025 12:12

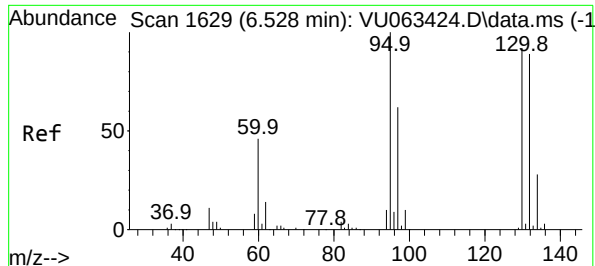
Tgt Ion: 62 Resp: 207416

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7





#37

Trichloroethene

Concen: 10.437 ug/l

RT: 6.528 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:130 Resp: 167938

Ion Ratio Lower Upper

130 100

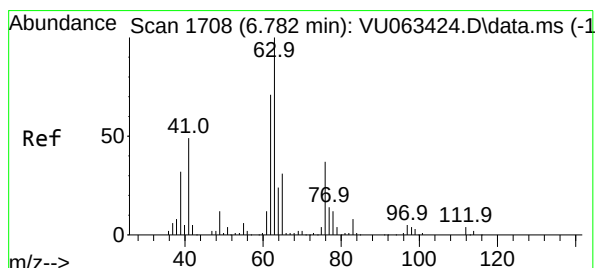
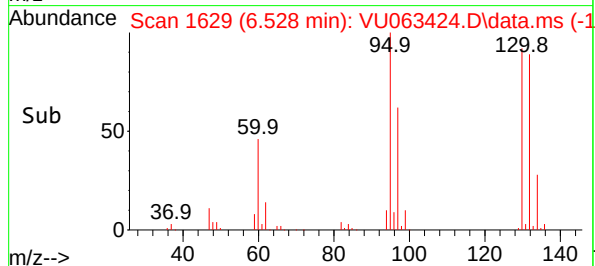
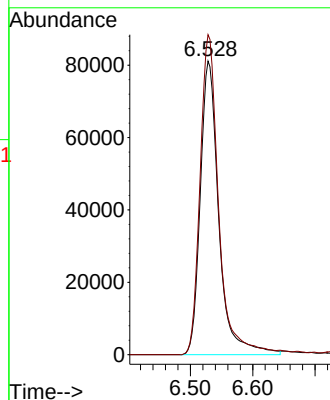
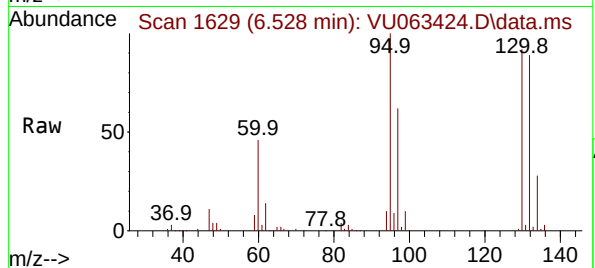
95 109.0 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 10.737 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VU063424.D

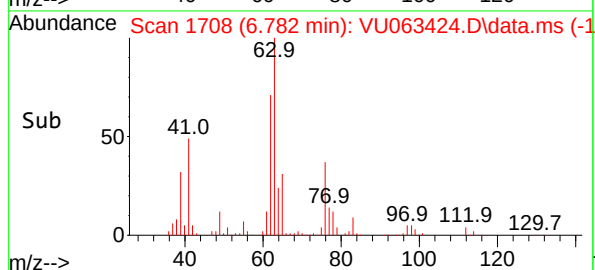
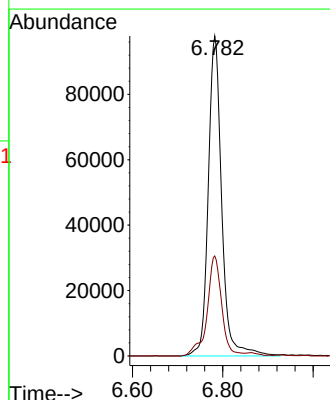
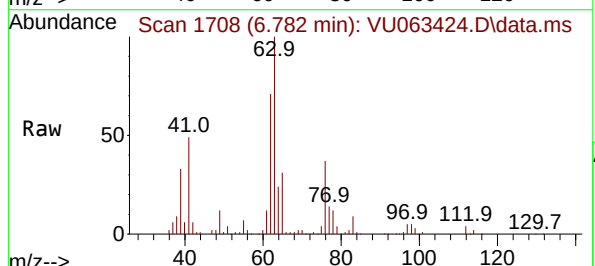
Acq: 23 Jun 2025 12:12

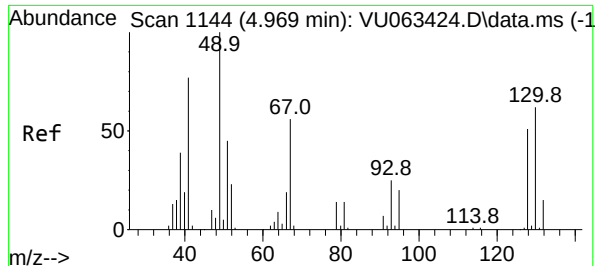
Tgt Ion: 63 Resp: 201915

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.6





#39

Methacrylonitrile

Concen: 10.087 ug/l m

RT: 4.969 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Tgt Ion: 41 Resp: 67169

Ion Ratio Lower Upper

41 100

67 72.7 59.8 89.8

39 49.5 40.7 61.1

52 29.8 24.6 36.8

Instrument :

MSVOA_U

ClientSampleId :

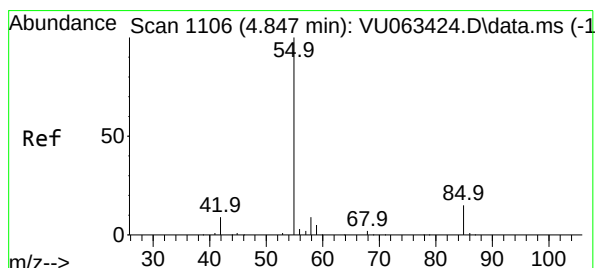
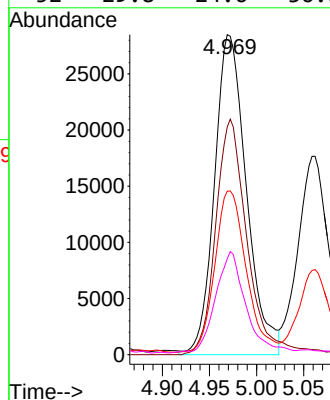
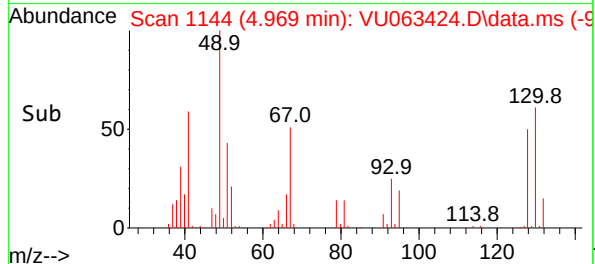
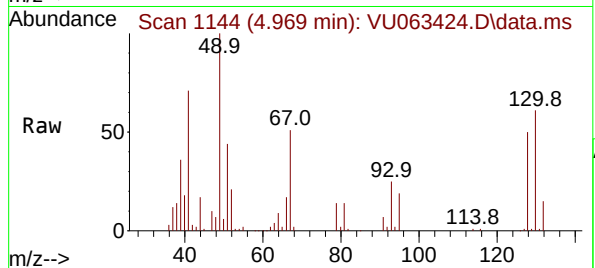
VSTDICCC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 11.314 ug/l m

RT: 4.847 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Tgt Ion: 55 Resp: 105986

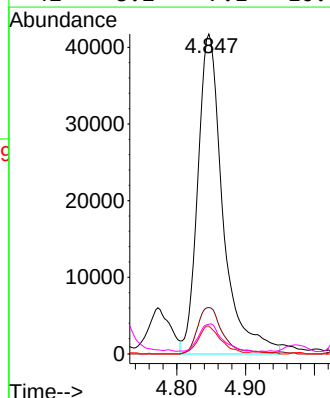
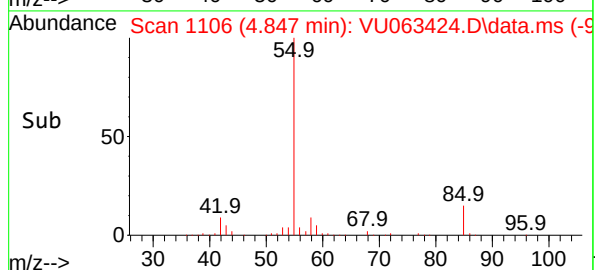
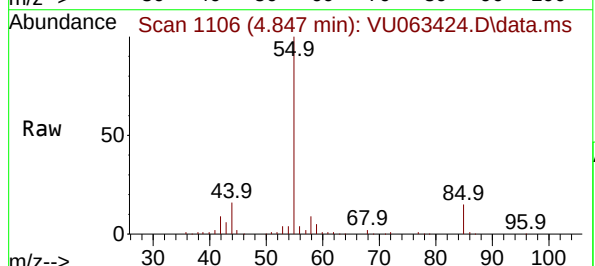
Ion Ratio Lower Upper

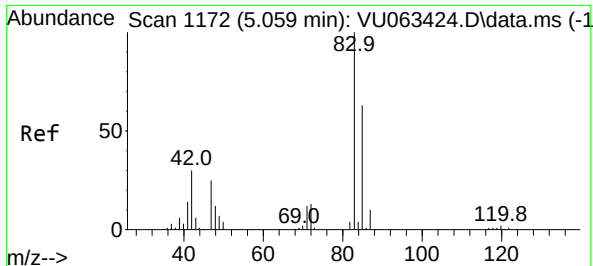
55 100

85 14.6 12.6 19.0

58 7.9 6.9 10.3

42 8.2 7.1 10.7





#41

Tetrahydrofuran

Concen: 19.185 ug/l

RT: 5.059 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

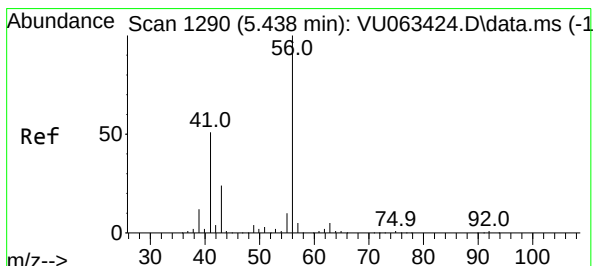
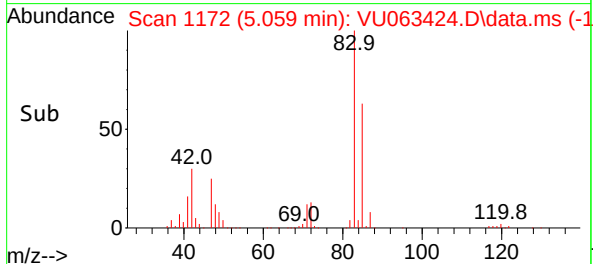
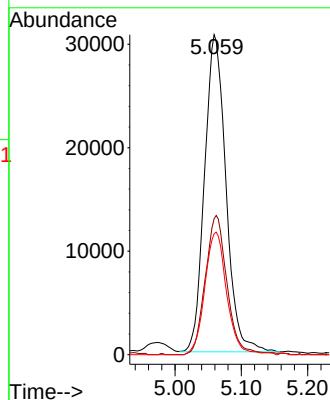
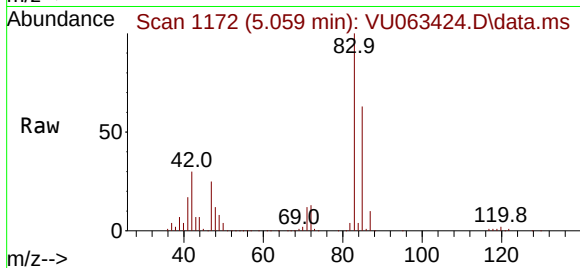
Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:	42	Resp:	68718
Ion Ratio	Lower	Upper	
42	100		
72	44.3	35.4	53.2
71	39.2	31.4	47.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#42

1-Chlorobutane

Concen: 10.459 ug/l m

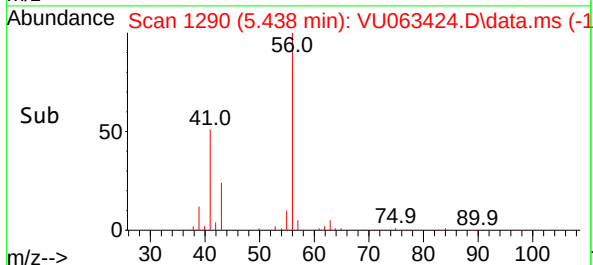
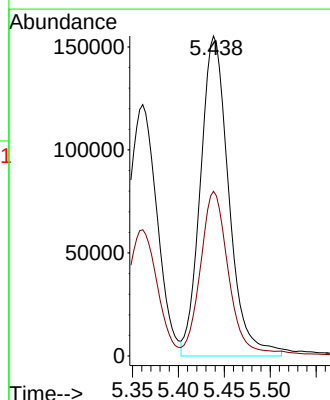
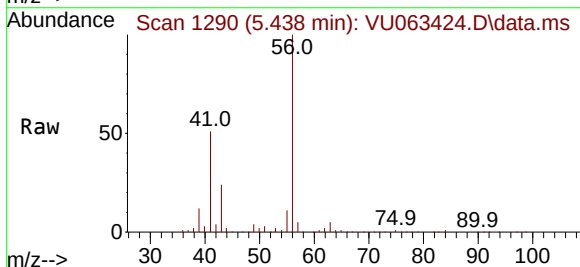
RT: 5.438 min Scan# 1290

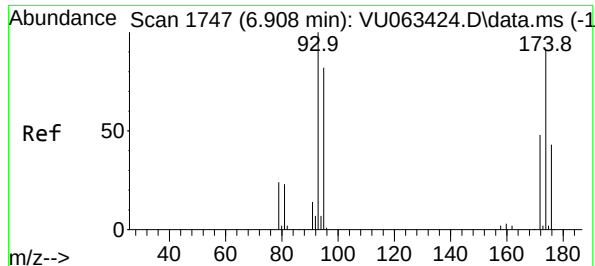
Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Tgt Ion:	56	Resp:	334002
Ion Ratio	Lower	Upper	
56	100		
41	51.2	26.4	79.0





#43

Dibromomethane

Concen: 10.392 ug/l

RT: 6.908 min Scan# 1747

Delta R.T. -0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 93 Resp: 9129

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

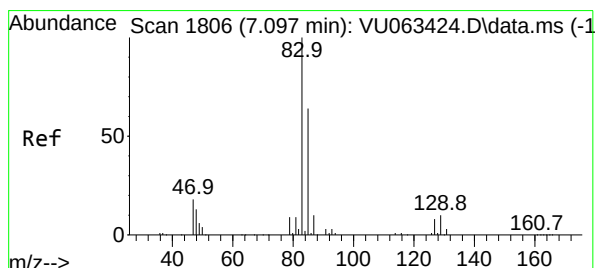
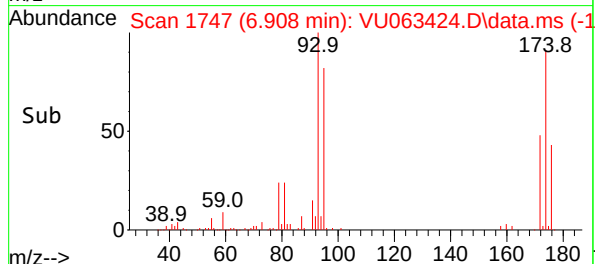
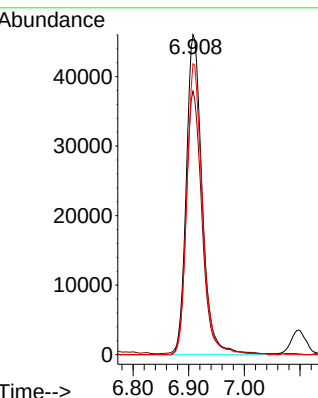
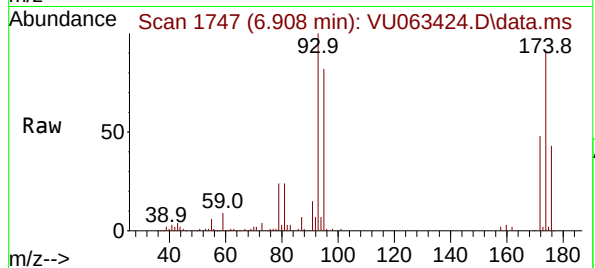
174 88.9 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 10.325 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

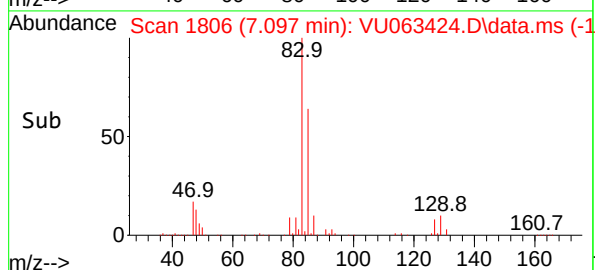
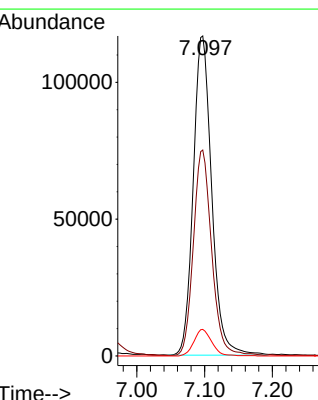
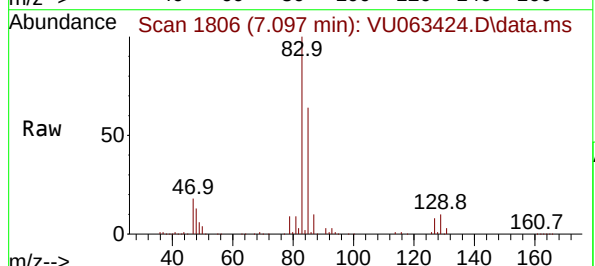
Tgt Ion: 83 Resp: 220943

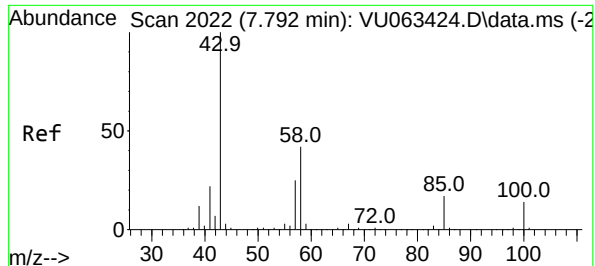
Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2

127 8.3 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 56.952 ug/l

RT: 7.792 min Scan# 2022

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 537078

Ion Ratio Lower Upper

43 100

58 41.1 20.5 61.6

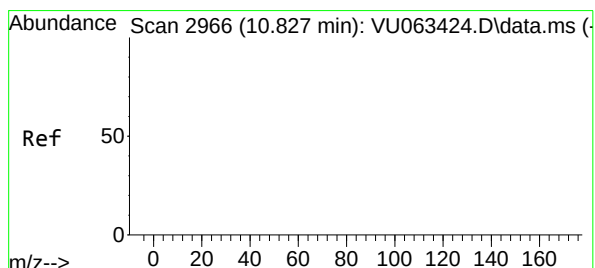
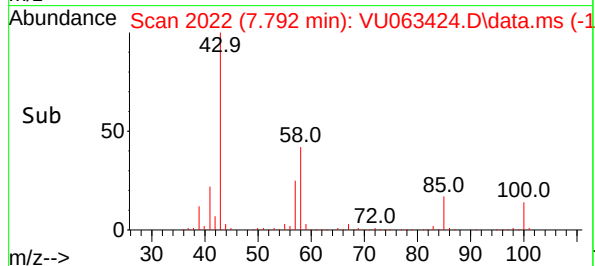
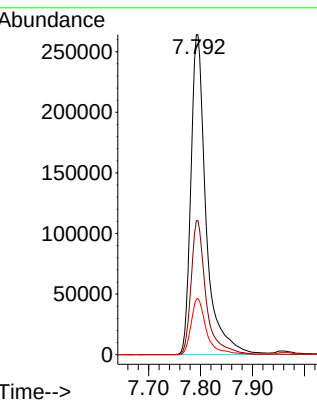
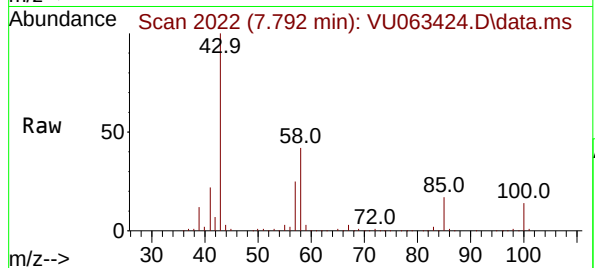
85 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 20.003 ug/l m

RT: 10.824 min Scan# 2965

Delta R.T. -0.003 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Tgt Ion: 75 Resp: 60214

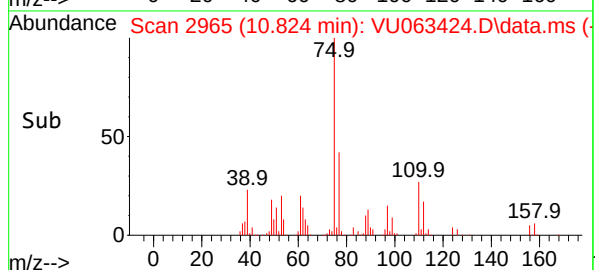
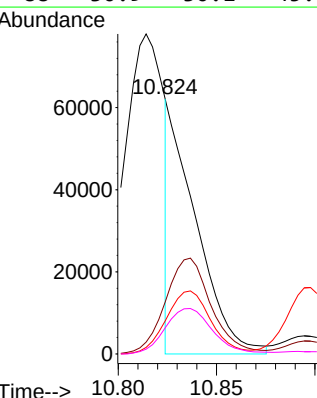
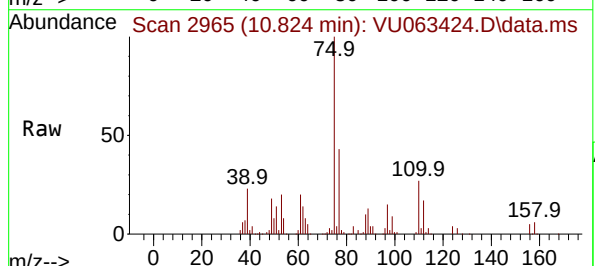
Ion Ratio Lower Upper

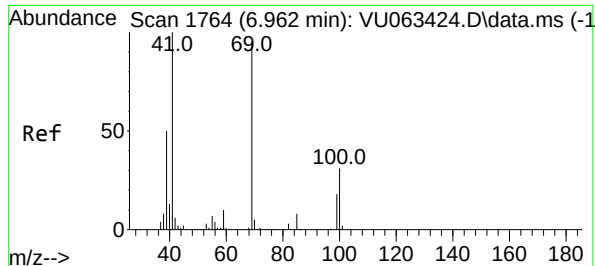
75 100

53 63.1 61.4 92.2

89 40.2 39.2 58.8

88 30.9 30.1 45.1





#47

Methyl methacrylate

Concen: 19.900 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 69 Resp: 16645

Ion Ratio Lower Upper

69 100

41 106.3 0.0 212.6

39 50.8 40.6 61.0

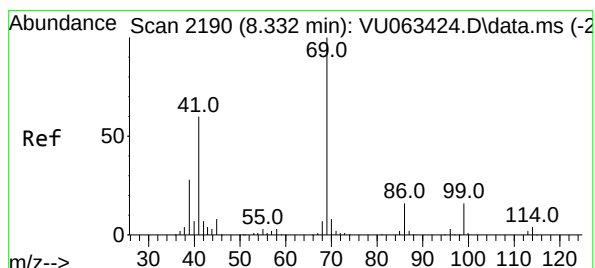
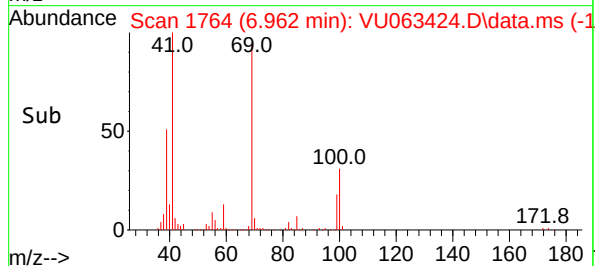
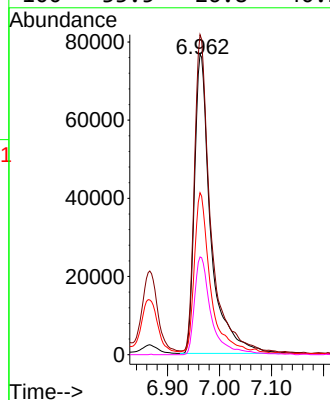
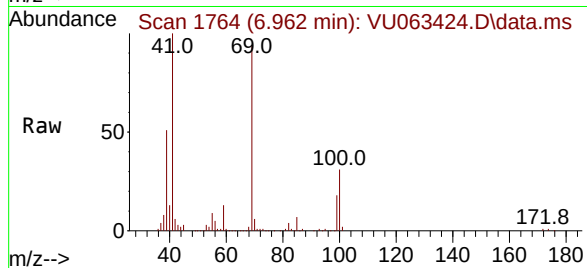
100 33.5 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 10.032 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VU063424.D

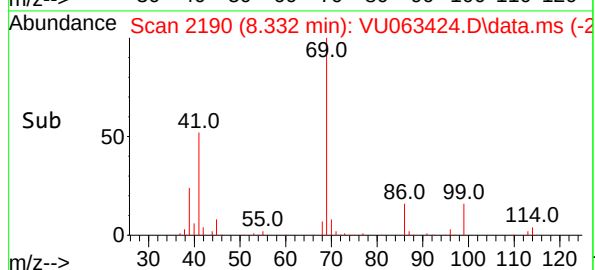
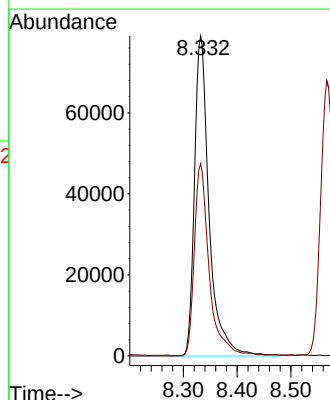
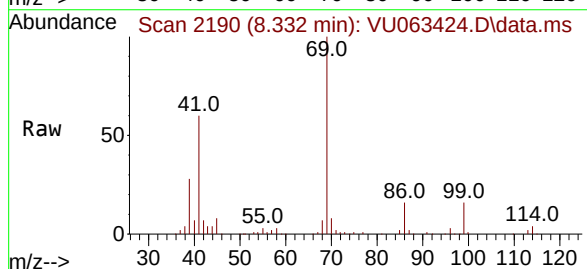
Acq: 23 Jun 2025 12:12

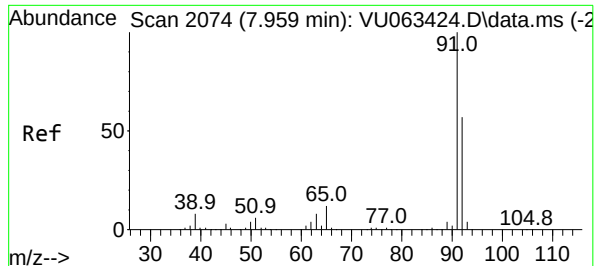
Tgt Ion: 69 Resp: 149278

Ion Ratio Lower Upper

69 100

41 61.3 30.6 92.0





#49

Toluene

Concen: 11.466 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 92 Resp: 42864

Ion Ratio Lower Upper

92 100

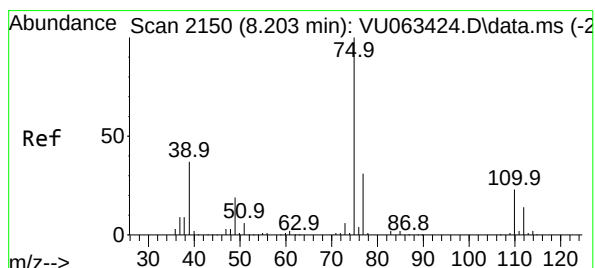
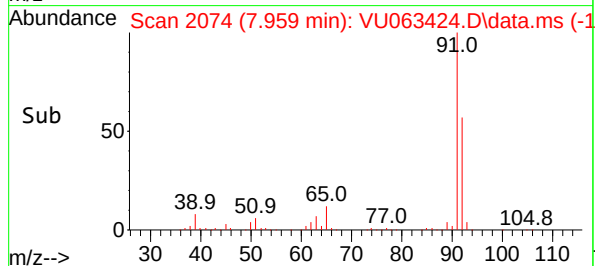
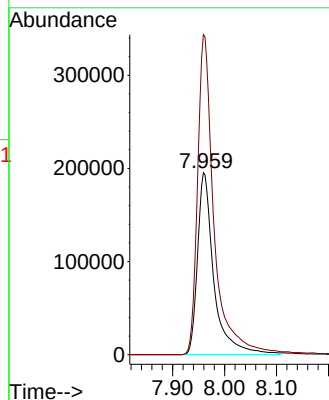
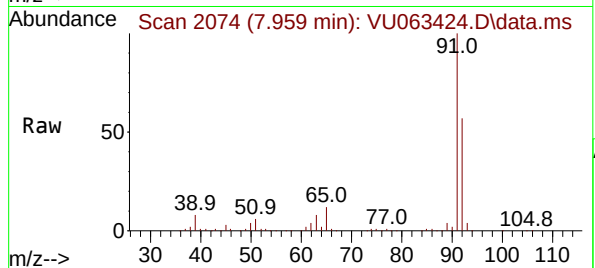
91 177.5 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 11.584 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063424.D

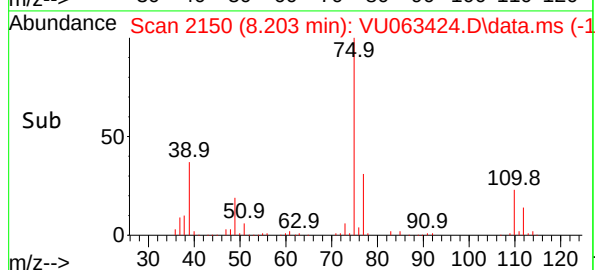
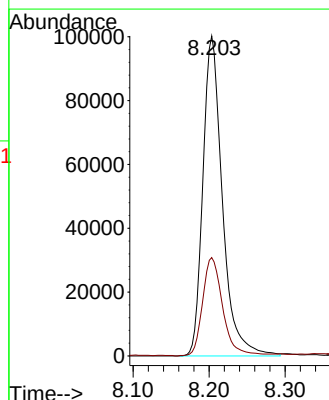
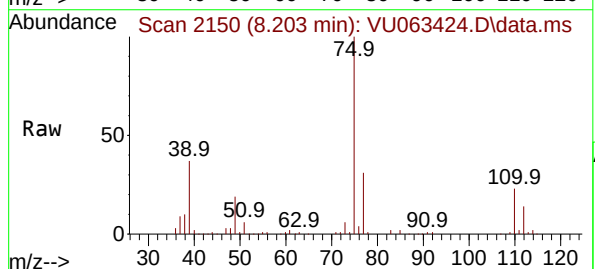
Acq: 23 Jun 2025 12:12

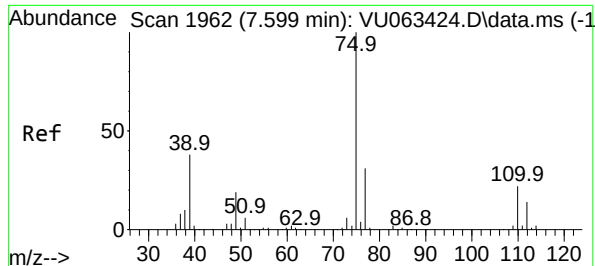
Tgt Ion: 75 Resp: 178770

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 11.377 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 235814

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

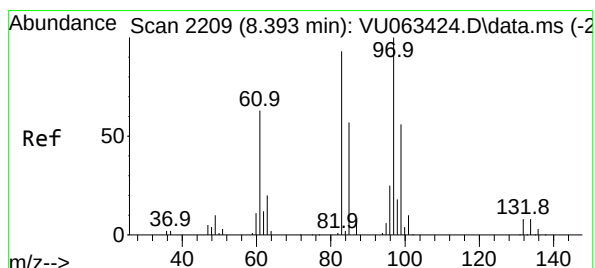
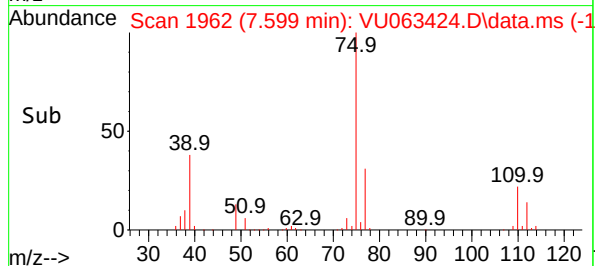
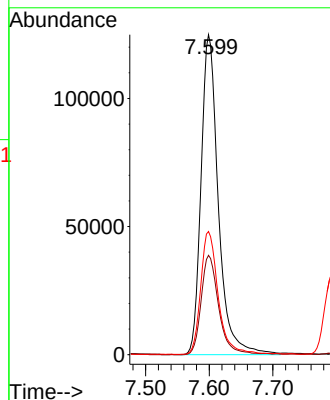
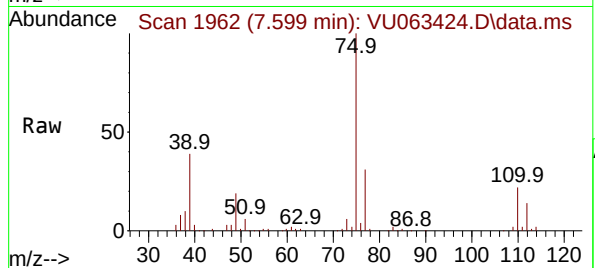
39 38.4 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 10.410 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Tgt Ion: 97 Resp: 133693

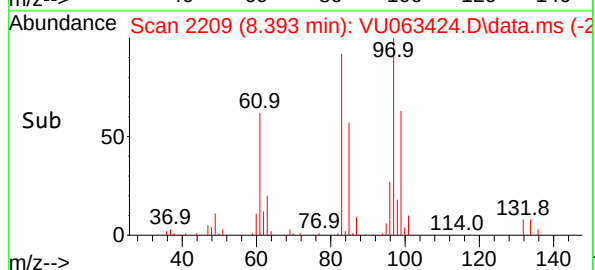
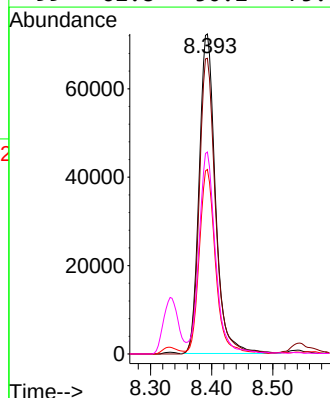
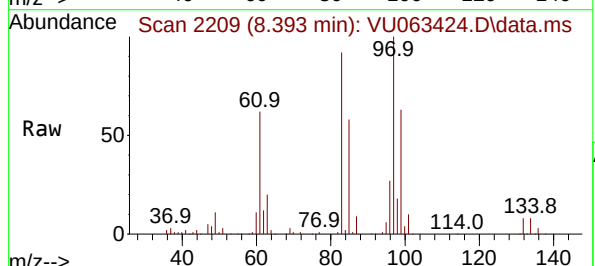
Ion Ratio Lower Upper

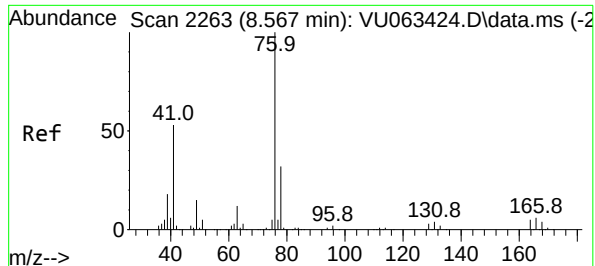
97 100

83 92.6 74.1 111.1

85 57.3 45.8 68.8

99 62.8 50.2 75.4





#53

1,3-Dichloropropane

Concen: 10.667 ug/l

RT: 8.567 min Scan# 2263

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 235694

Ion Ratio Lower Upper

76 100

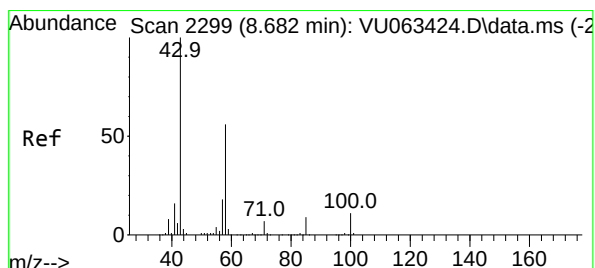
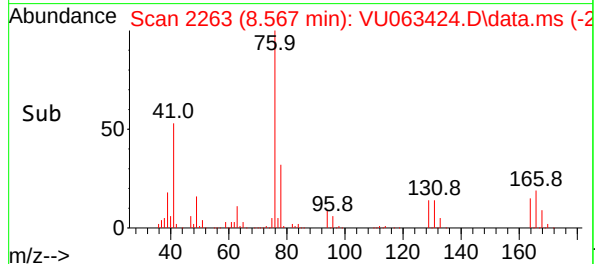
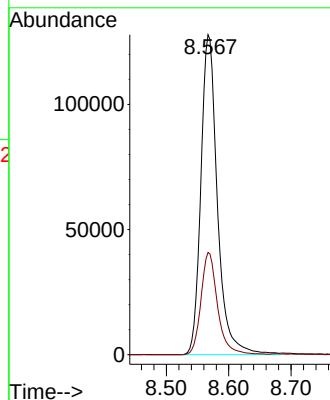
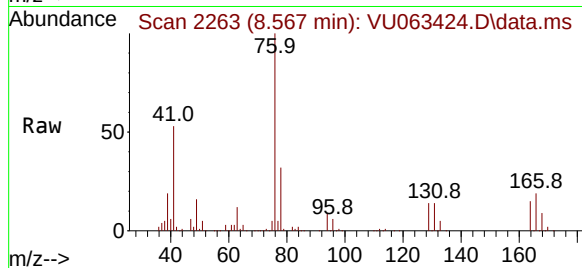
78 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 49.608 ug/l

RT: 8.682 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

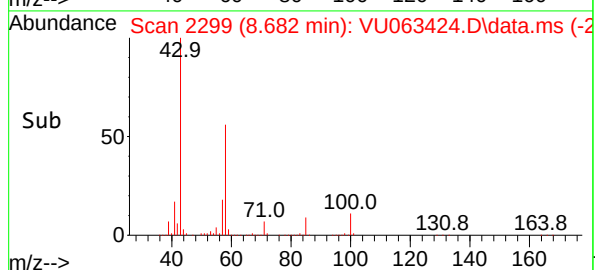
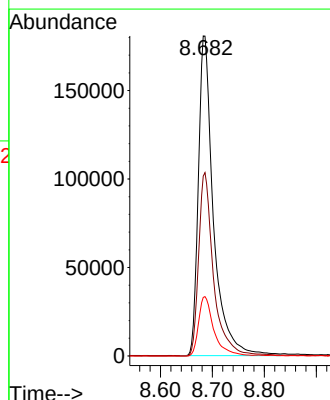
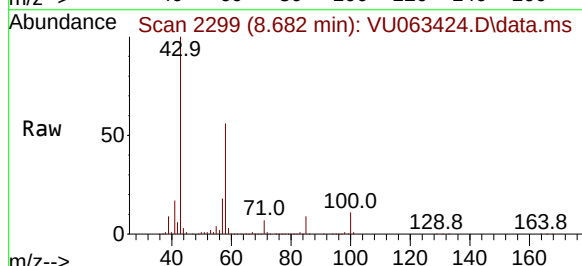
Tgt Ion: 43 Resp: 365372

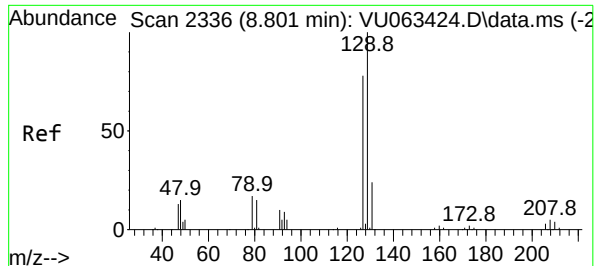
Ion Ratio Lower Upper

43 100

58 56.9 36.9 76.9

57 18.8 0.0 38.8





#55

Dibromochloromethane

Concen: 10.738 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:129 Resp: 142275

Ion Ratio Lower Upper

129 100

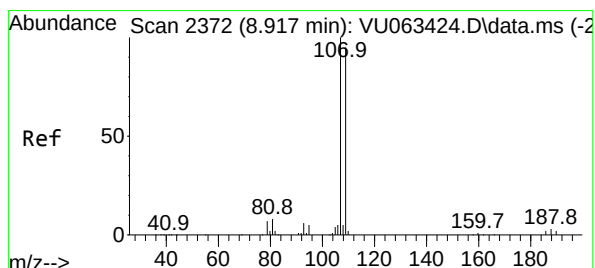
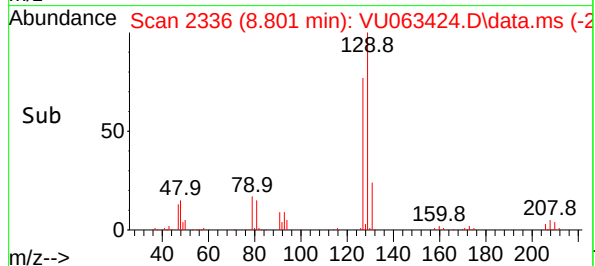
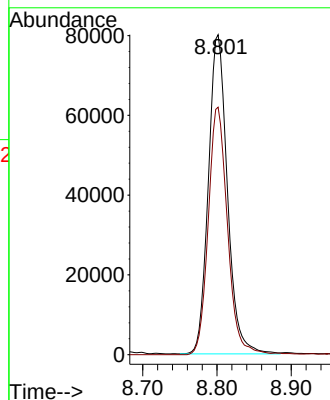
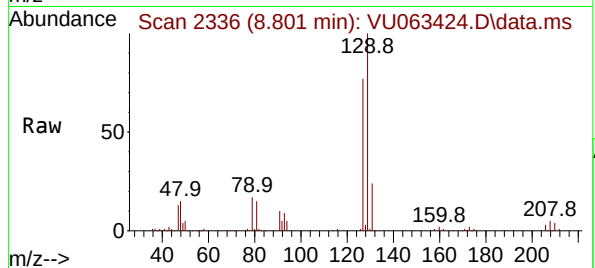
127 78.2 62.6 93.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#56

1,2-Dibromoethane

Concen: 10.274 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU063424.D

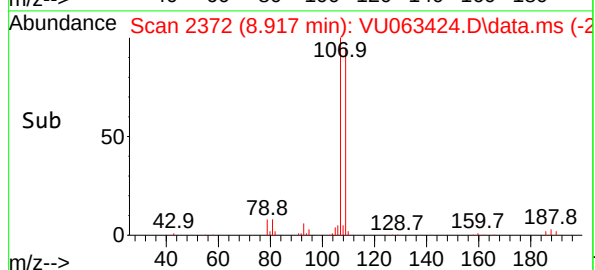
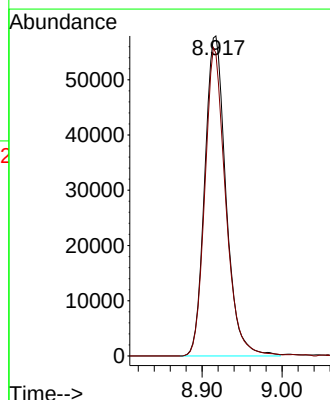
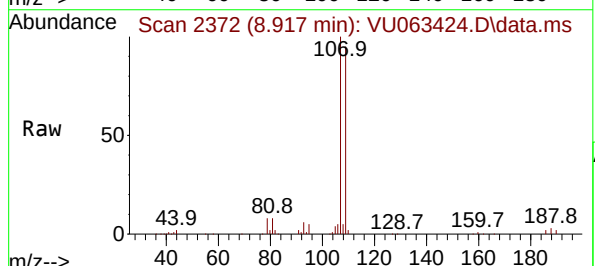
Acq: 23 Jun 2025 12:12

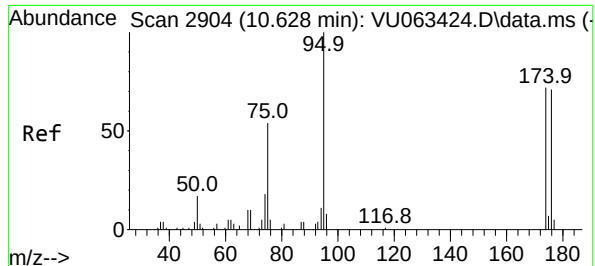
Tgt Ion:107 Resp: 106958

Ion Ratio Lower Upper

107 100

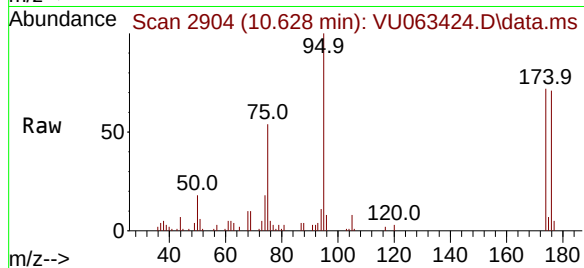
109 94.0 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 1.151 ug/l
RT: 10.628 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

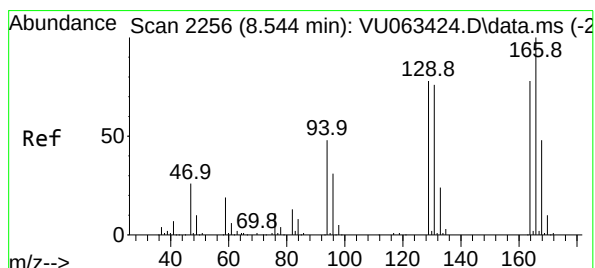
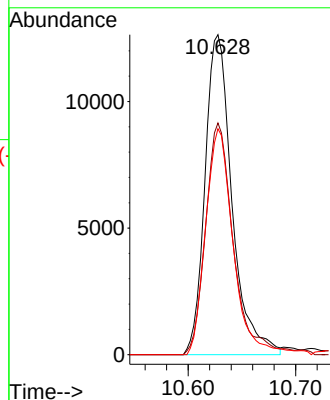
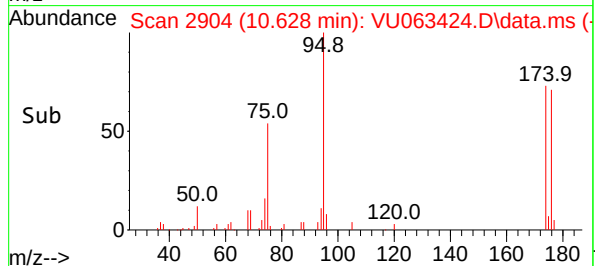
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 95 Resp: 22090
Ion Ratio Lower Upper
95 100
174 74.3 59.4 89.2
176 72.2 57.8 86.6

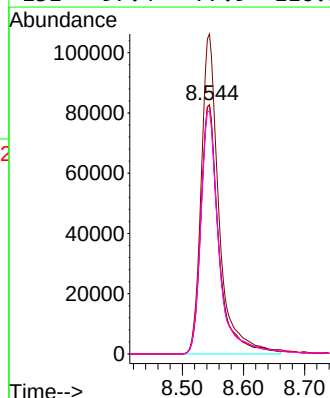
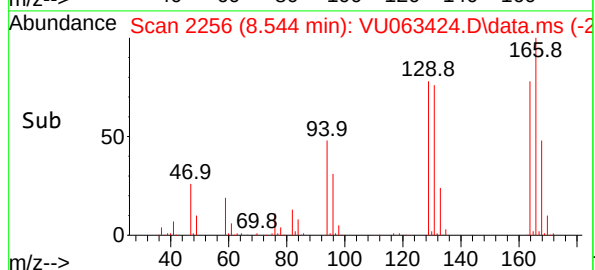
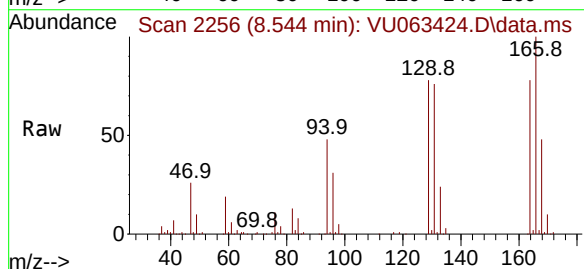
Manual Integrations
APPROVED

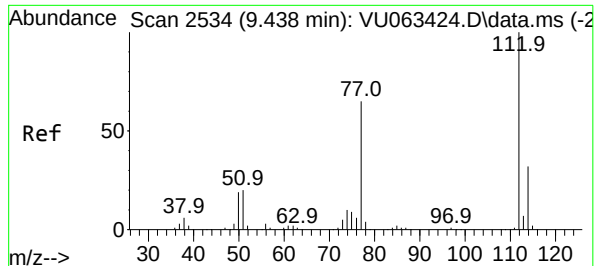
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#58
Tetrachloroethene
Concen: 10.703 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:164 Resp: 168950
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 100.2 80.2 120.2
131 97.4 77.9 116.9





#59

Chlorobenzene

Concen: 10.962 ug/l

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:112 Resp: 43871

Ion Ratio Lower Upper

112 100

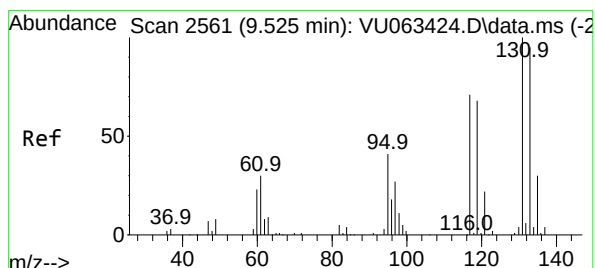
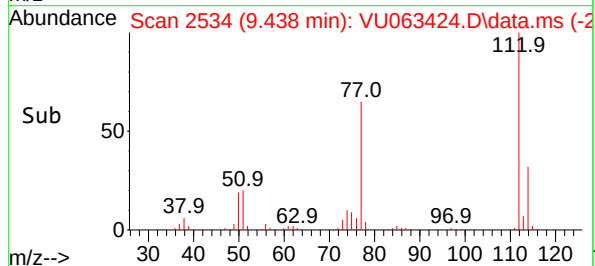
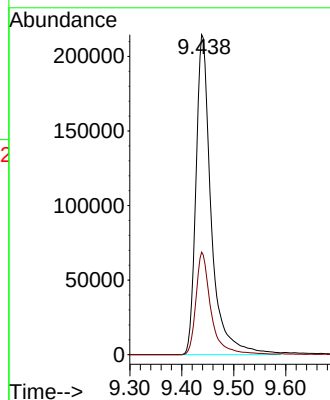
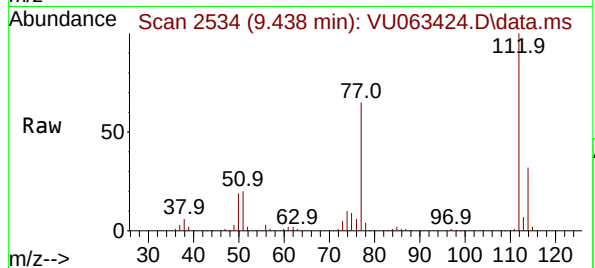
114 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 10.472 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

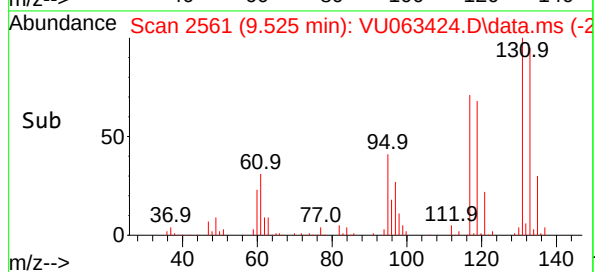
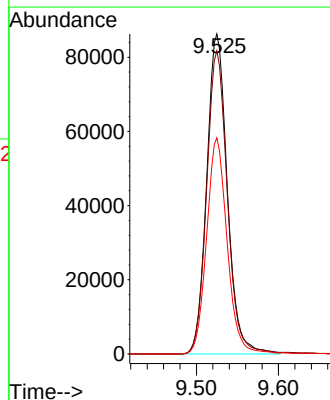
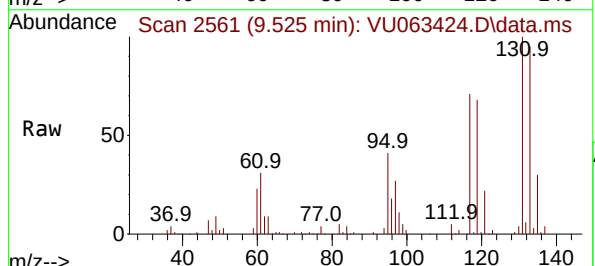
Tgt Ion:131 Resp: 150859

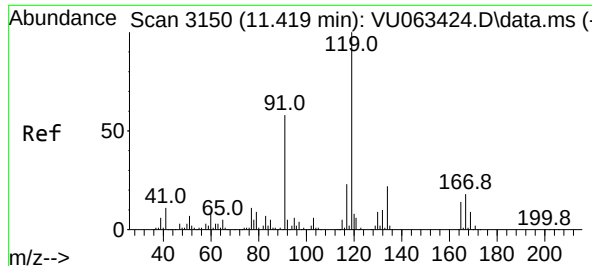
Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

119 67.1 53.7 80.5





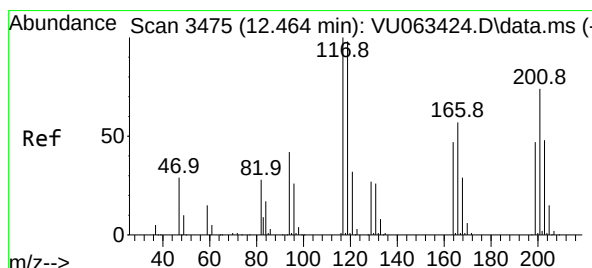
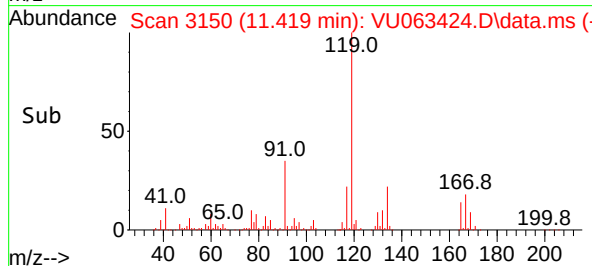
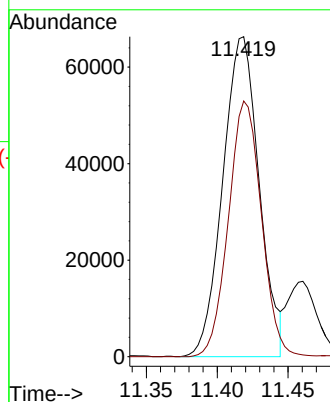
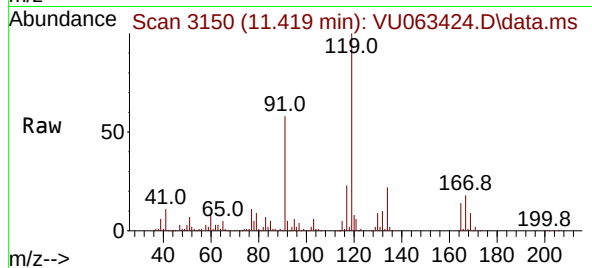
#61
Pentachloroethane
Concen: 10.085 ug/l
RT: 11.419 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 118360
Ion Ratio Lower Upper
117 100
167 72.6 58.1 87.1

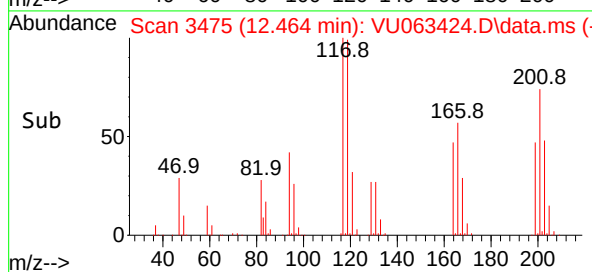
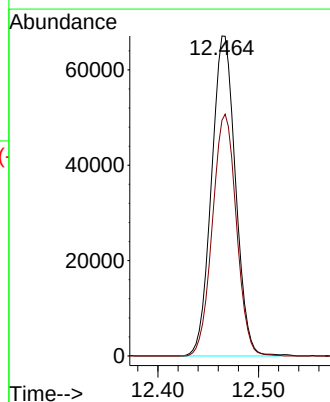
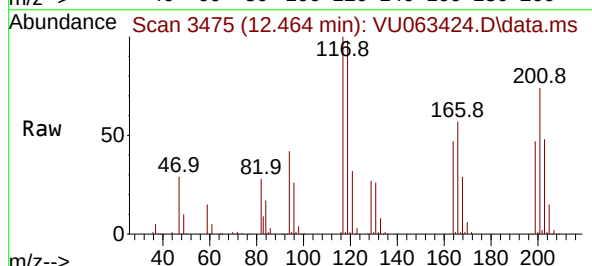
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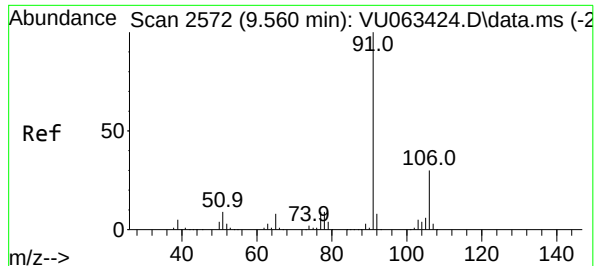
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 10.520 ug/l
RT: 12.464 min Scan# 3475
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:117 Resp: 111035
Ion Ratio Lower Upper
117 100
201 75.5 60.4 90.6





#63

Ethyl Benzene

Concen: 11.866 ug/l

RT: 9.560 min Scan# 2572

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 761340

Ion Ratio Lower Upper

91 100

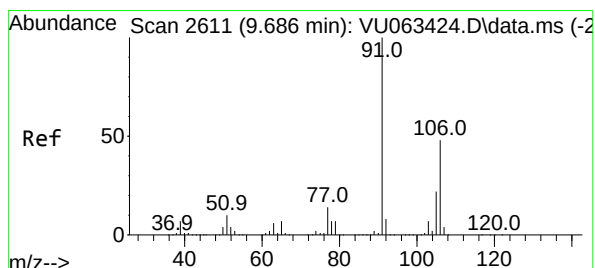
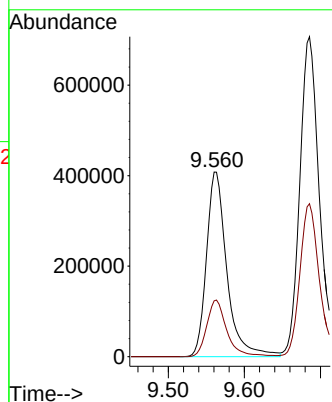
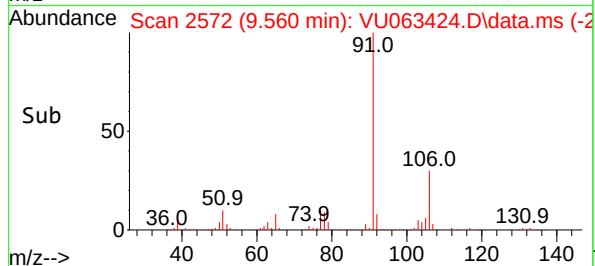
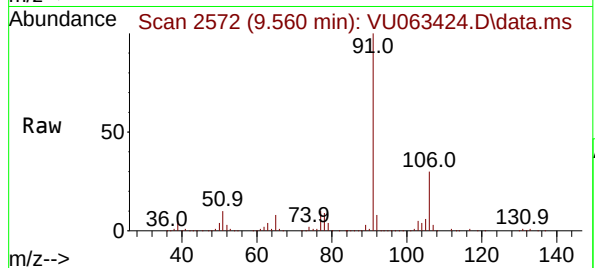
106 30.2 24.2 36.2

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#64

m/p-Xylenes

Concen: 20.136 ug/l

RT: 9.686 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU063424.D

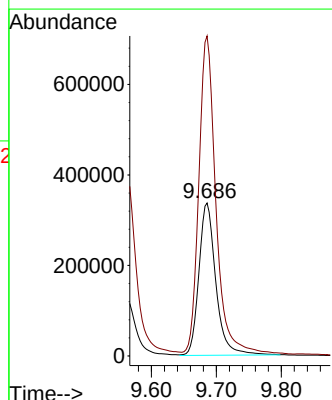
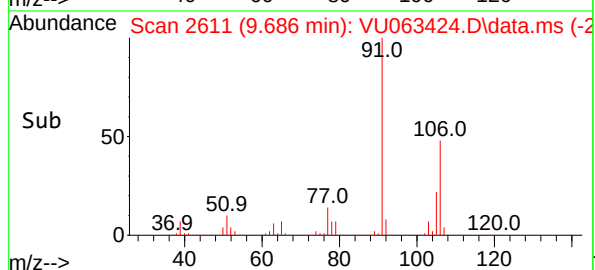
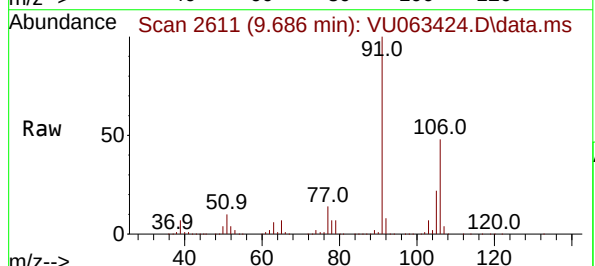
Acq: 23 Jun 2025 12:12

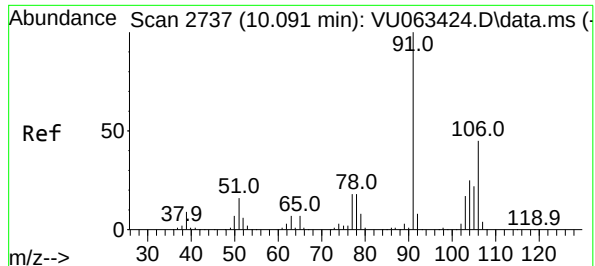
Tgt Ion:106 Resp: 610897

Ion Ratio Lower Upper

106 100

91 212.4 169.9 254.9





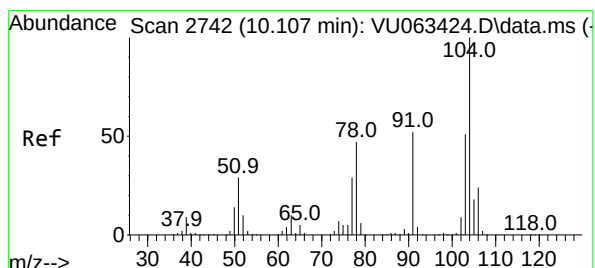
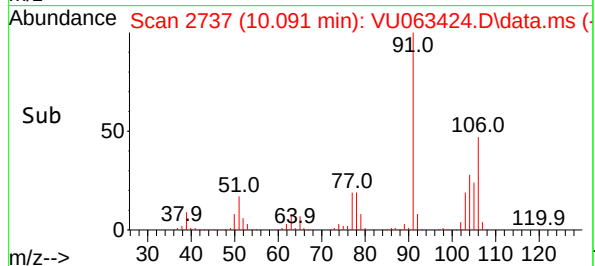
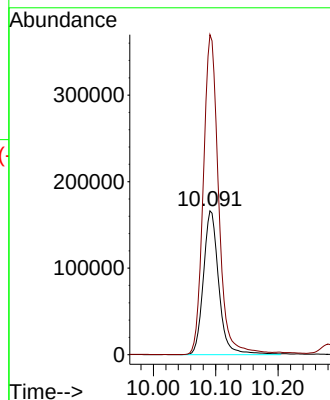
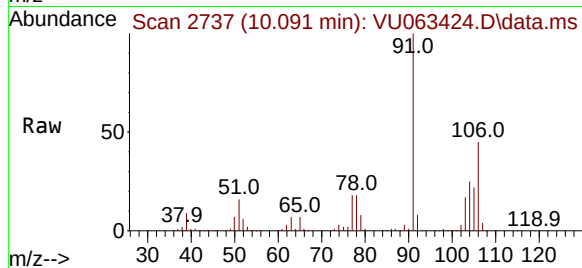
#65
o-Xylene
Concen: 11.721 ug/l
RT: 10.091 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:106 Resp: 28569
Ion Ratio Lower Upper
106 100
91 221.5 110.8 332.3

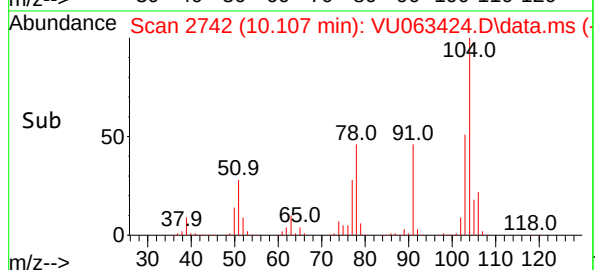
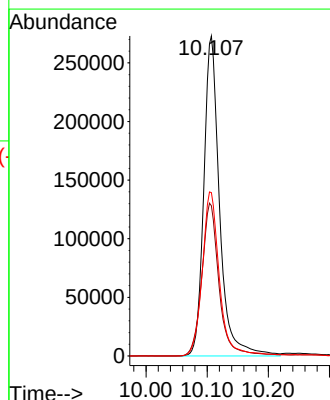
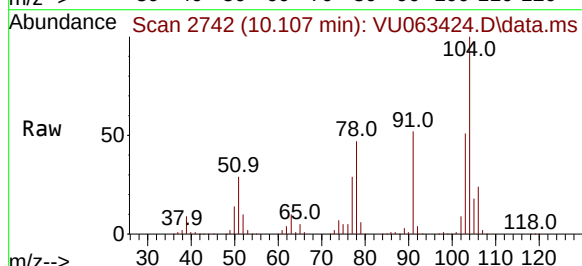
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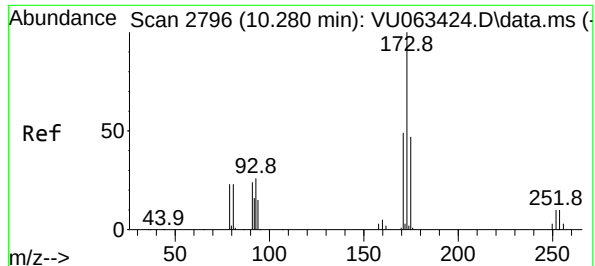
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 10.073 ug/l
RT: 10.107 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

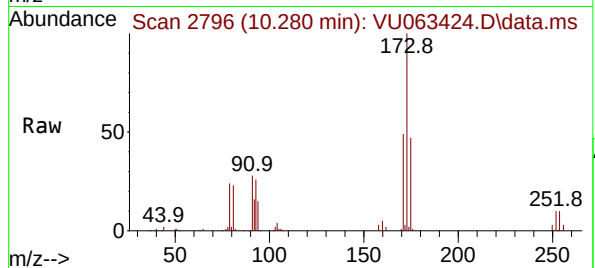
Tgt Ion:104 Resp: 490962
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 55.8 44.6 67.0





#67
Bromoform
Concen: 10.729 ug/l
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

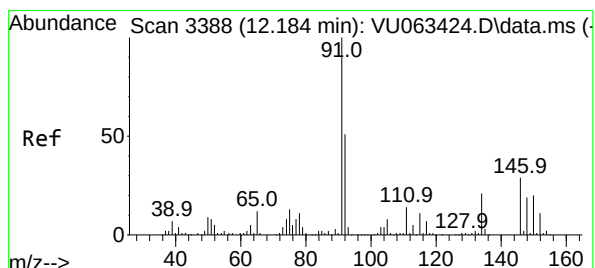
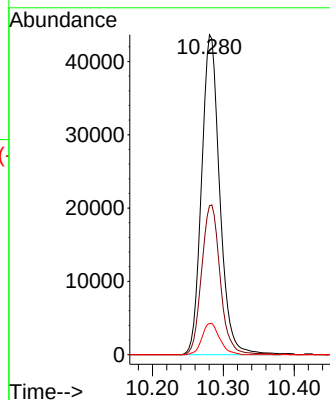
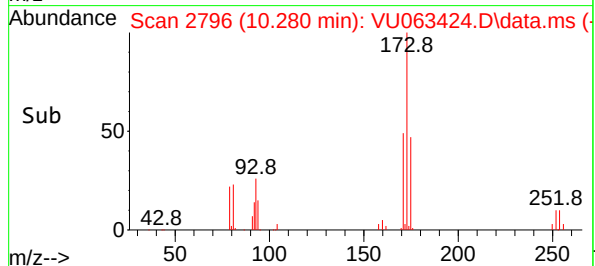
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:173 Resp: 7767
Ion Ratio Lower Upper
173 100
175 47.7 38.2 57.2
254 9.5 7.6 11.4

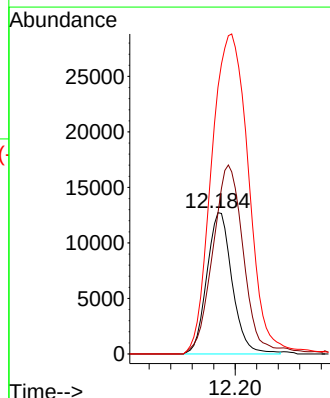
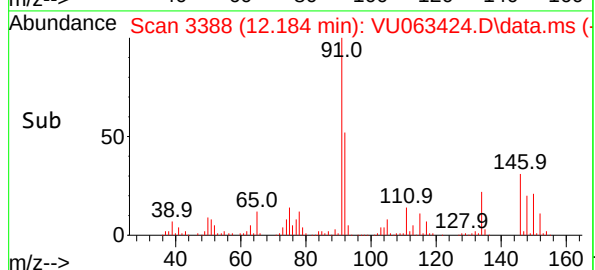
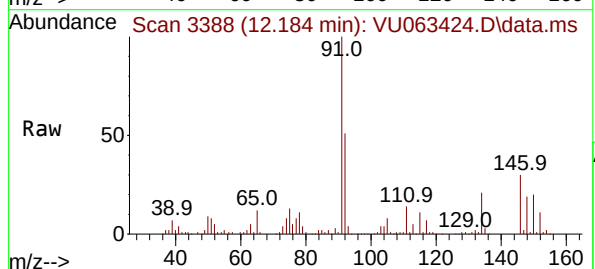
Manual Integrations
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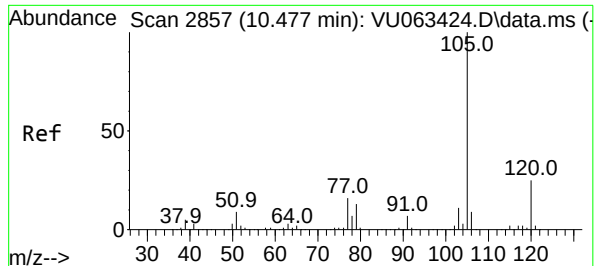
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#68
1,2-Dichlorobenzene-d4
Concen: 1.079 ug/l
RT: 12.184 min Scan# 3388
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:152 Resp: 20788
Ion Ratio Lower Upper
152 100
115 163.8 0.0 327.6
150 332.2 0.0 664.4





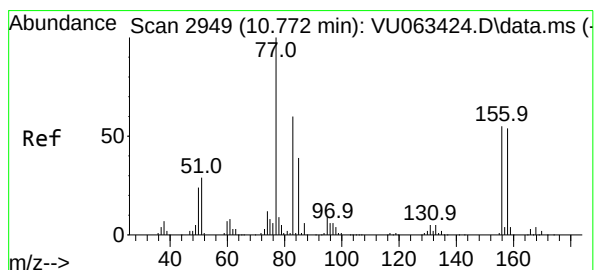
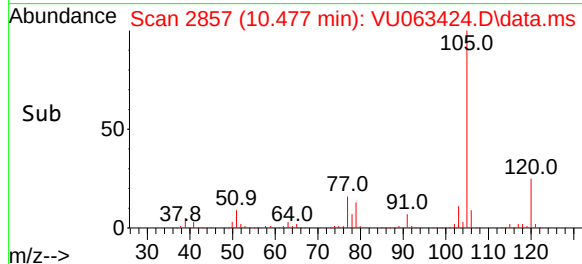
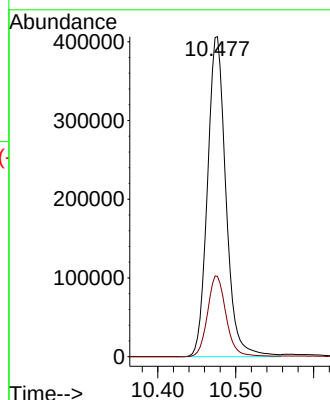
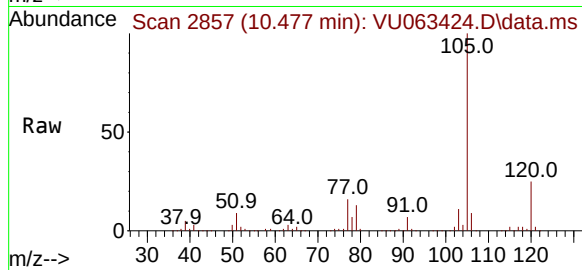
#69
Isopropylbenzene
Concen: 11.853 ug/l
RT: 10.477 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 66931
Ion Ratio Lower Upper
105 100
120 25.4 12.7 38.1

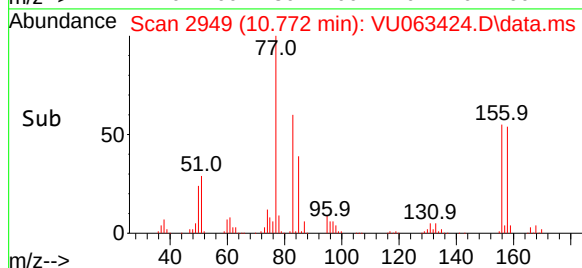
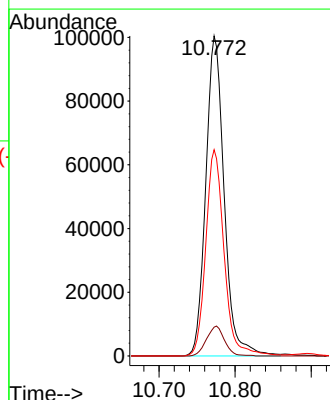
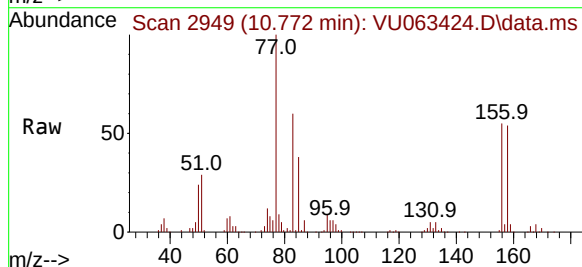
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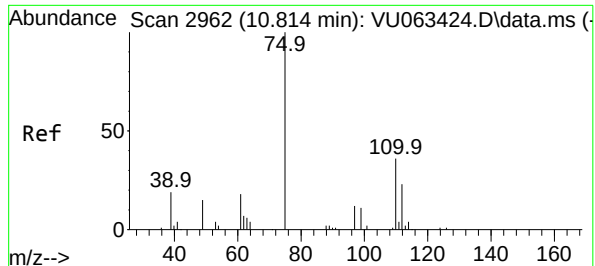
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 10.276 ug/l
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion: 83 Resp: 168805
Ion Ratio Lower Upper
83 100
131 9.2 7.4 11.0
85 64.1 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 9.106 ug/l m

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 12447

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 34.1 0.0 63.4

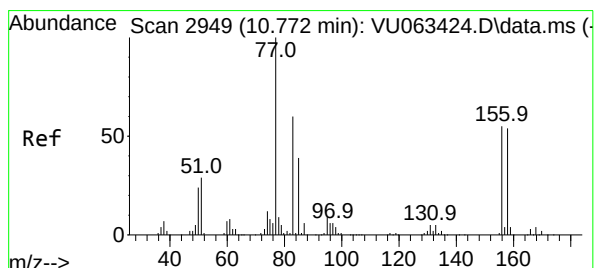
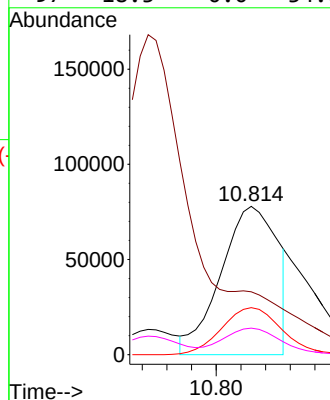
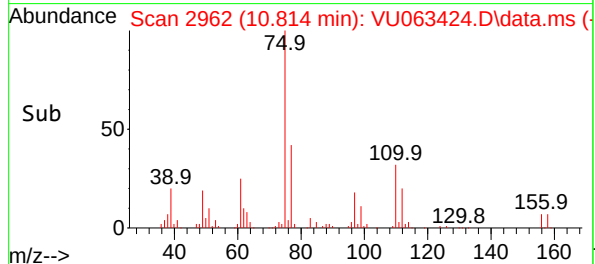
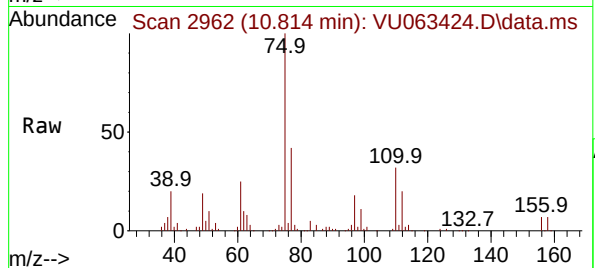
97 18.3 0.0 34.0

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 11.063 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

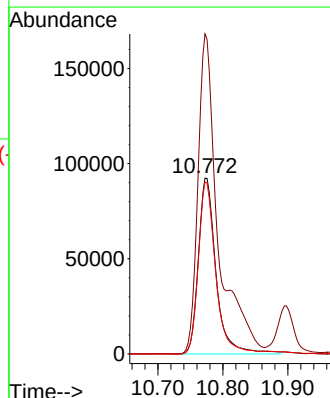
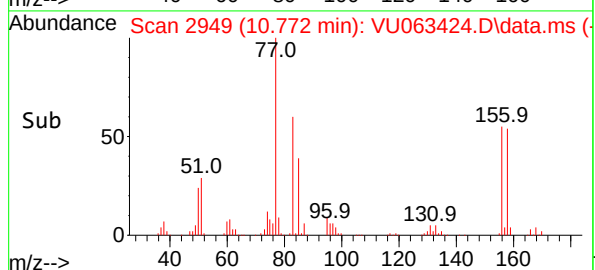
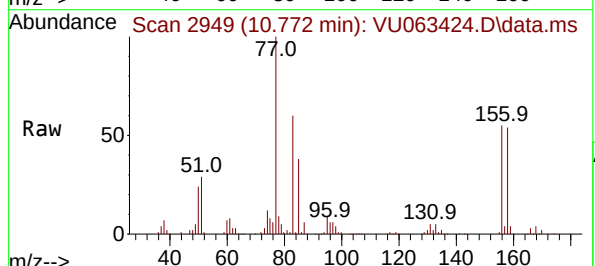
Tgt Ion:156 Resp: 175355

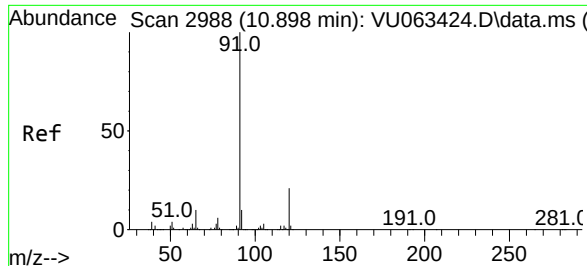
Ion Ratio Lower Upper

156 100

77 208.1 0.0 416.2

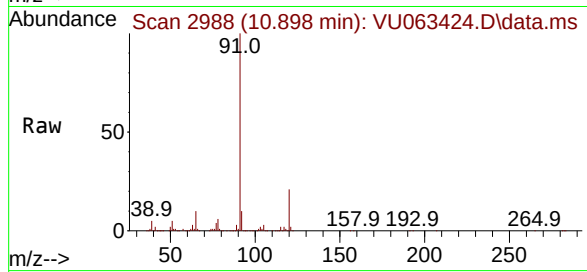
158 95.3 0.0 190.6





#73
n-propylbenzene
Concen: 9.993 ug/l
RT: 10.898 min Scan# 2988
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

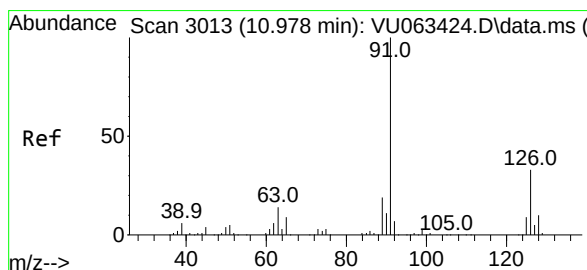
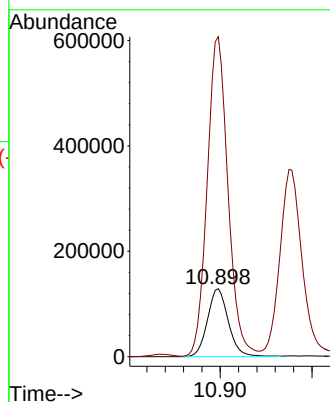
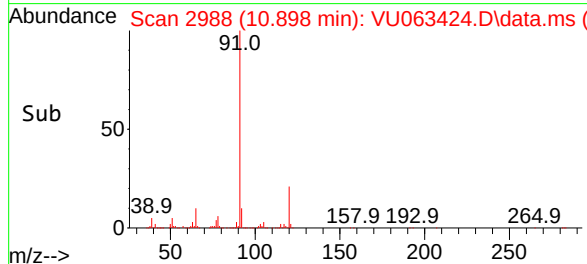
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:120 Resp: 204608
Ion Ratio Lower Upper
120 100
91 467.1 373.7 560.5

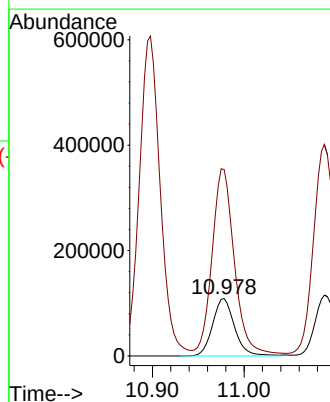
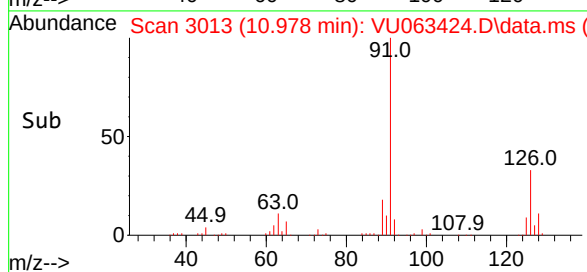
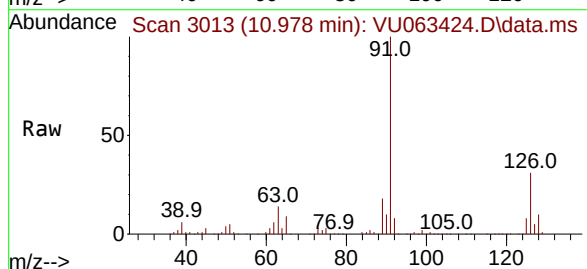
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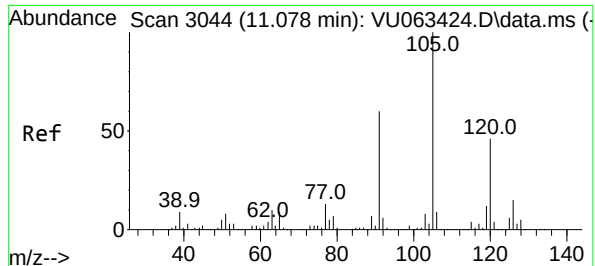
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 11.583 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:126 Resp: 181480
Ion Ratio Lower Upper
126 100
91 325.4 0.0 650.8





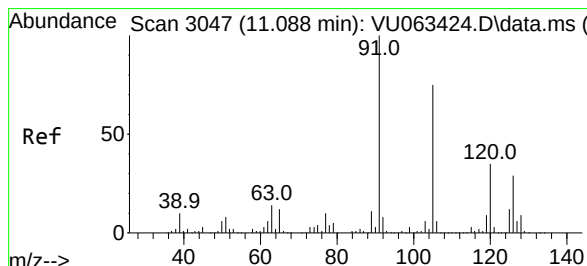
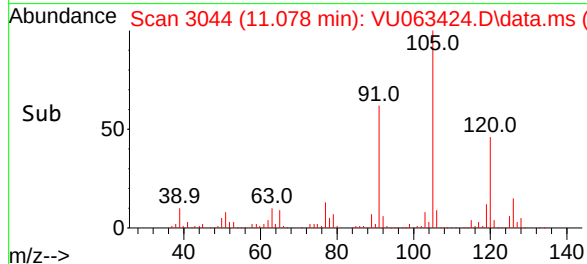
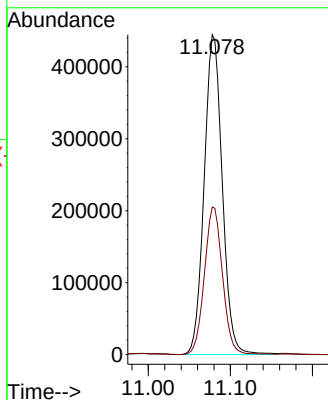
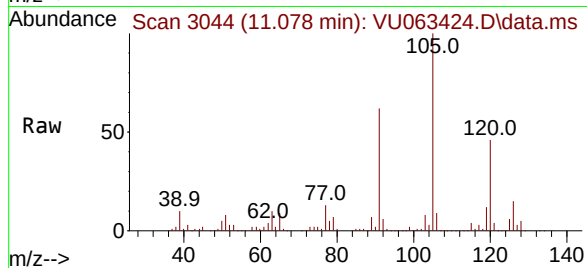
#75
1,3,5-Trimethylbenzene
Concen: 10.140 ug/l
RT: 11.078 min Scan# 3044
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 68201
Ion Ratio Lower Upper
105 100
120 46.2 37.0 55.4

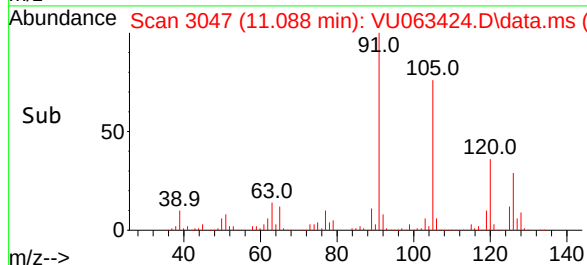
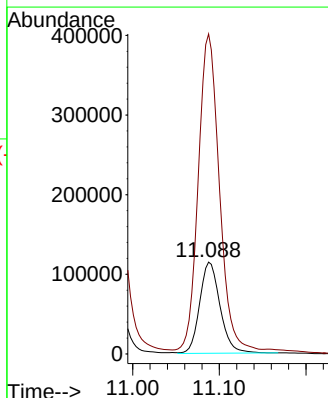
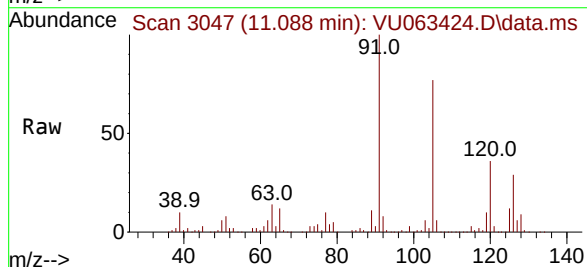
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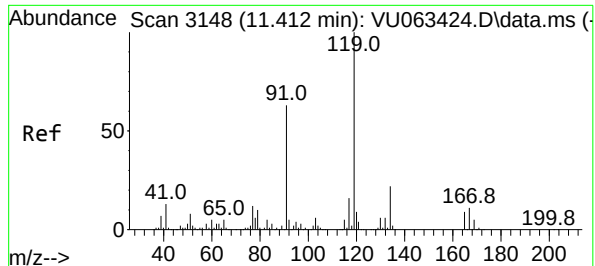
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#76
4-Chlorotoluene
Concen: 11.380 ug/l
RT: 11.088 min Scan# 3047
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:126 Resp: 186781
Ion Ratio Lower Upper
126 100
91 356.6 0.0 713.2





#77

tert-Butylbenzene

Concen: 11.683 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:119 Resp: 606159

Ion Ratio Lower Upper

119 100

91 61.8 30.9 92.7

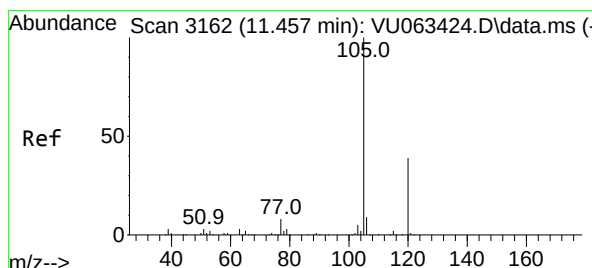
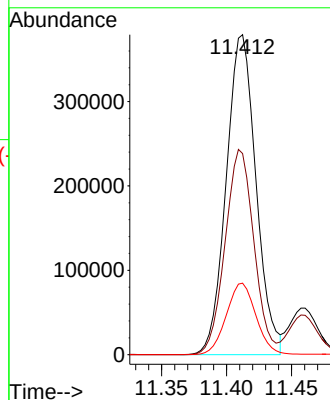
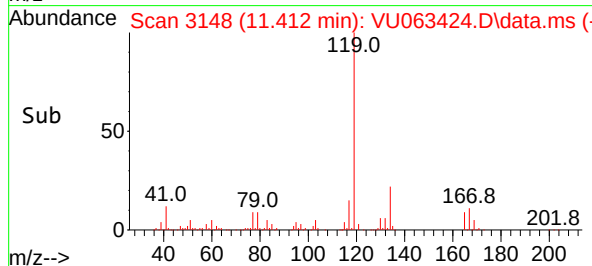
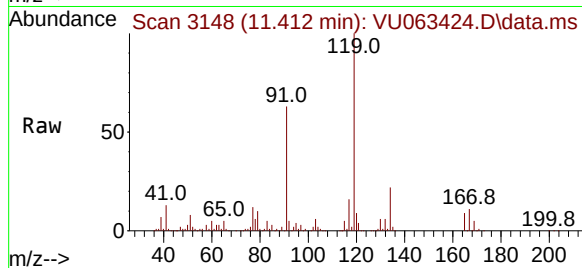
134 22.4 17.9 26.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 10.009 ug/l

RT: 11.457 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VU063424.D

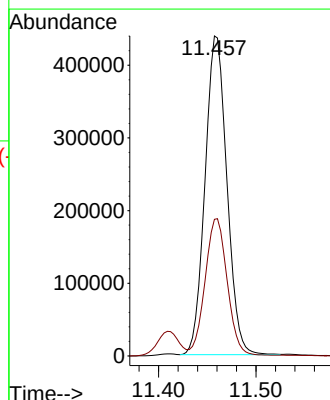
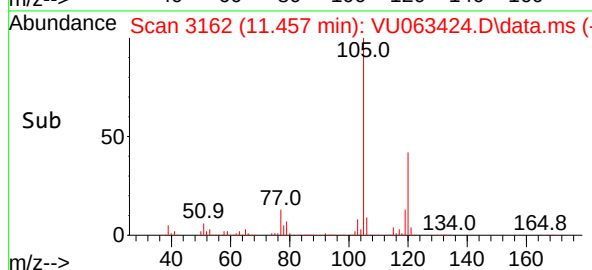
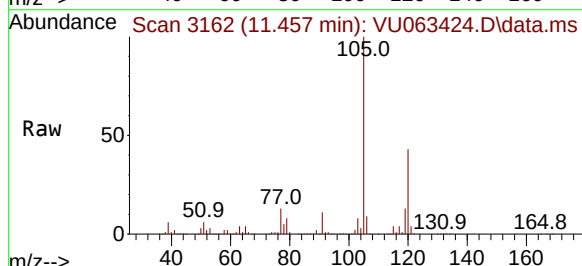
Acq: 23 Jun 2025 12:12

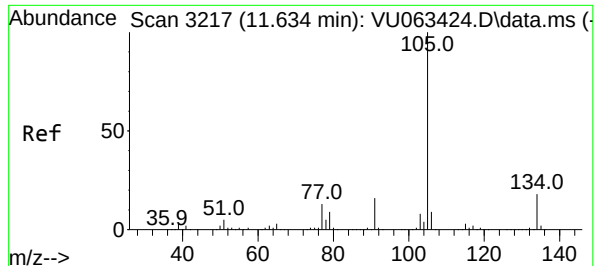
Tgt Ion:105 Resp: 683754

Ion Ratio Lower Upper

105 100

120 44.3 22.1 66.5





#79

sec-Butylbenzene

Concen: 11.792 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 866539

Ion Ratio Lower Upper

105 100

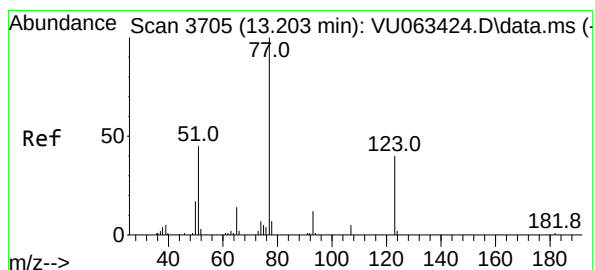
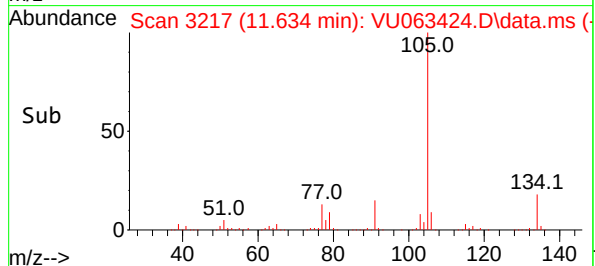
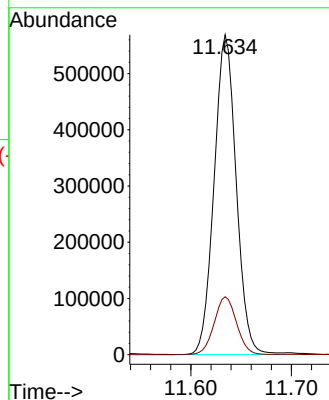
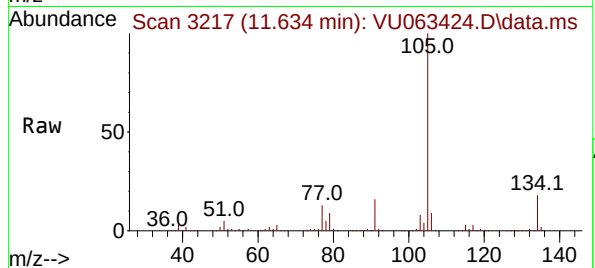
134 18.5 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#80

Nitrobenzene

Concen: 47.915 ug/l m

RT: 13.203 min Scan# 3705

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

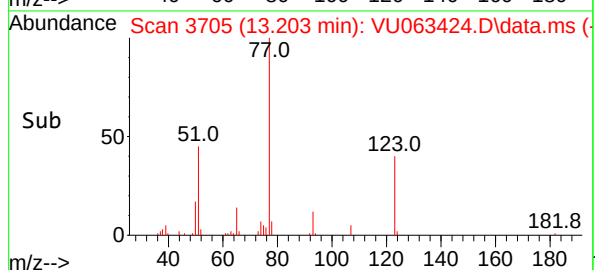
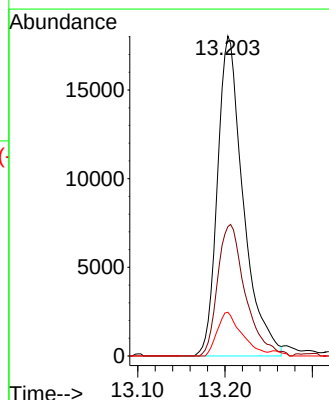
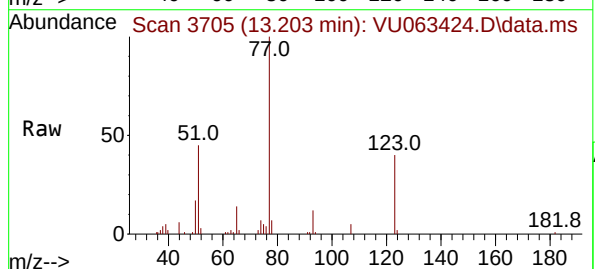
Tgt Ion: 77 Resp: 36905

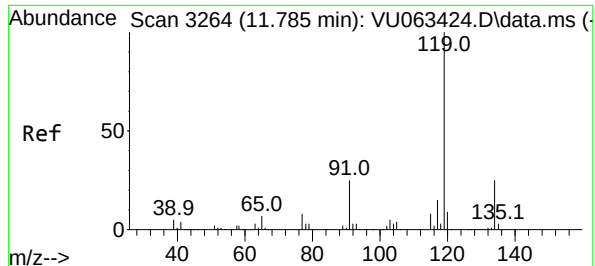
Ion Ratio Lower Upper

77 100

123 44.1 19.6 69.6

65 11.9 10.6 13.4





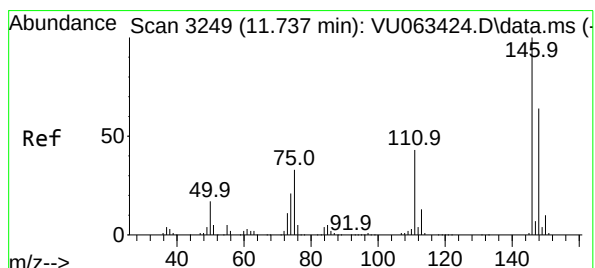
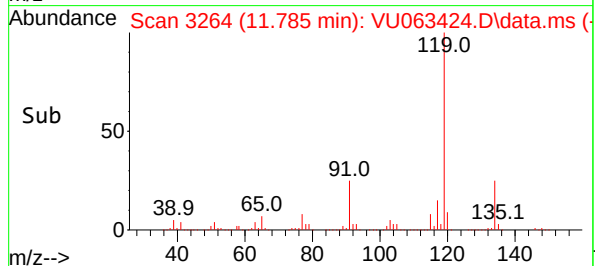
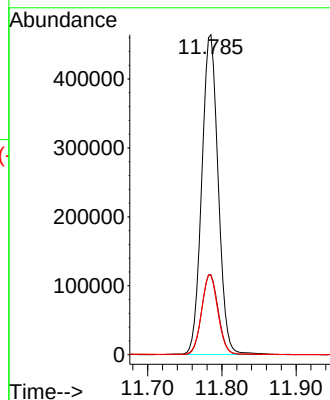
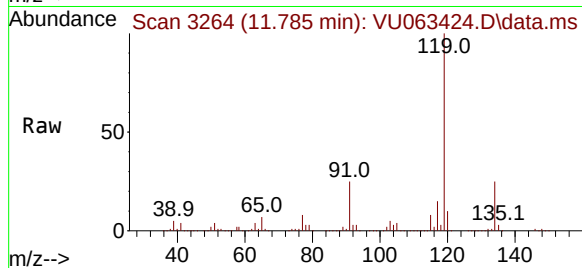
#81
p-Isopropyltoluene
Concen: 10.066 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 711414
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 24.6 19.7 29.5

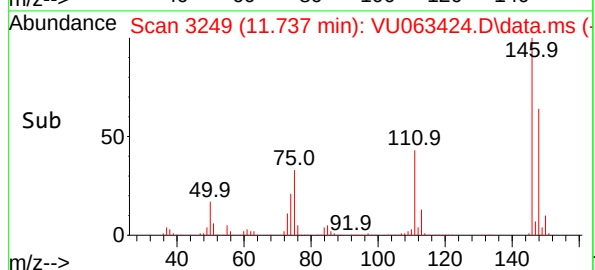
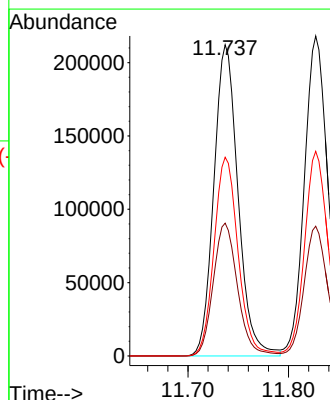
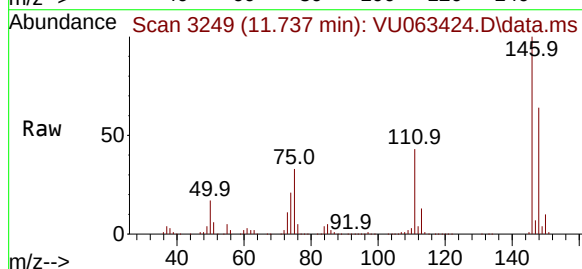
Manual Integrations
APPROVED

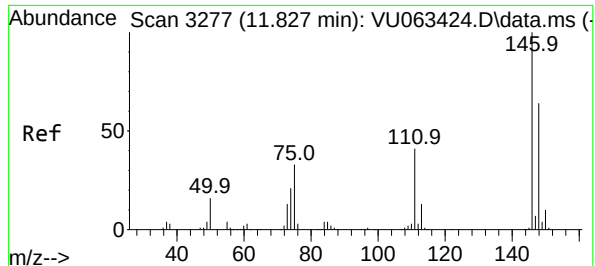
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82
1,3-Dichlorobenzene
Concen: 10.821 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:146 Resp: 355315
Ion Ratio Lower Upper
146 100
111 42.9 34.3 51.5
148 63.7 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 10.783 ug/l m

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 367089

Ion Ratio Lower Upper

146 100

111 39.6 31.7 47.5

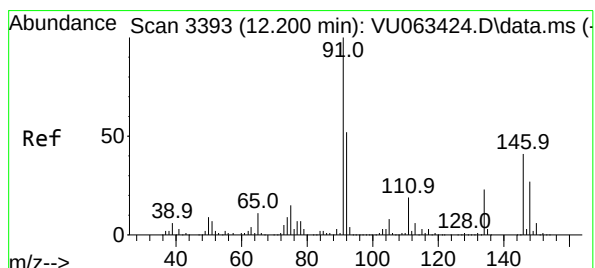
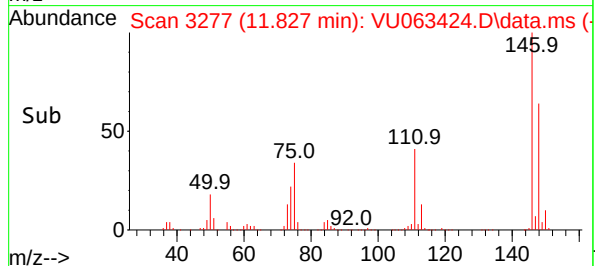
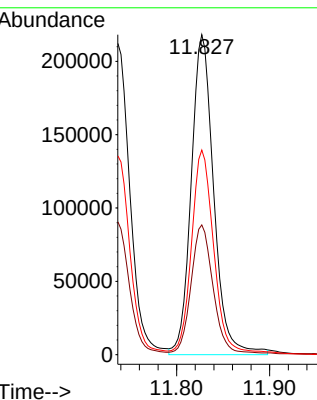
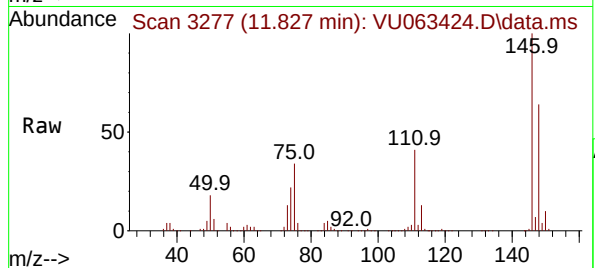
148 64.3 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 11.834 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

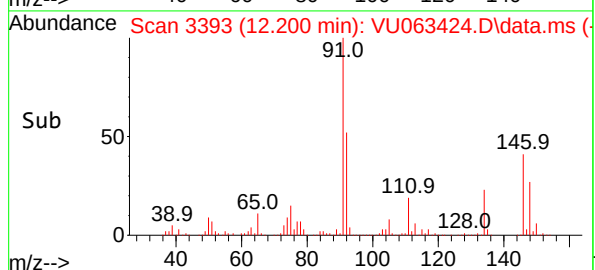
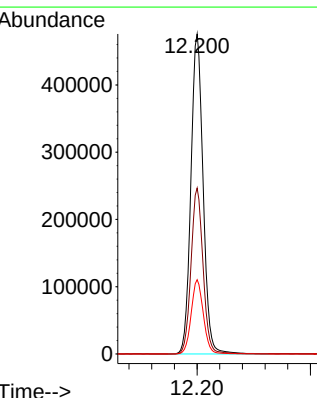
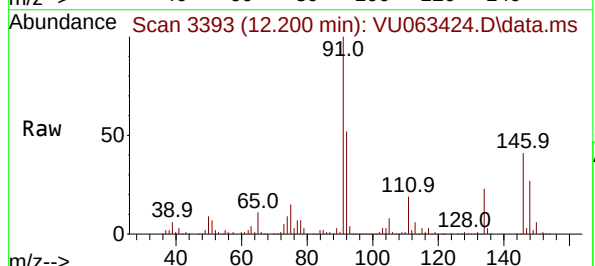
Tgt Ion: 91 Resp: 711858

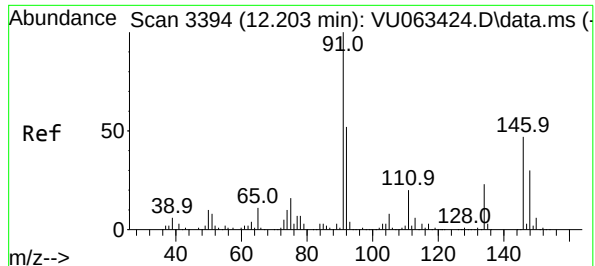
Ion Ratio Lower Upper

91 100

92 51.3 41.0 61.6

134 23.1 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 10.917 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 343052

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.4

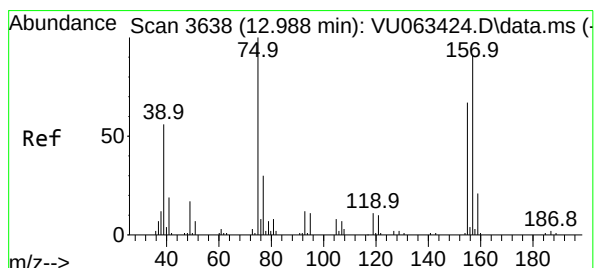
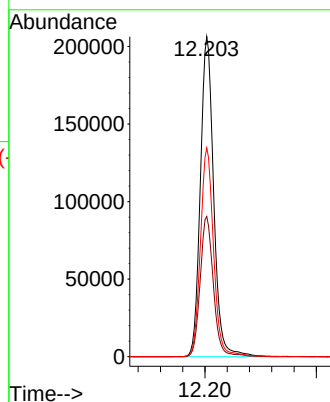
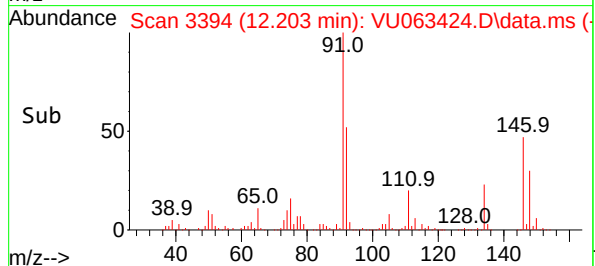
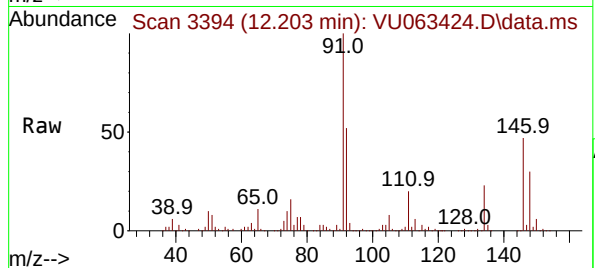
148 64.6 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 11.125 ug/l

RT: 12.988 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU063424.D

Acq: 23 Jun 2025 12:12

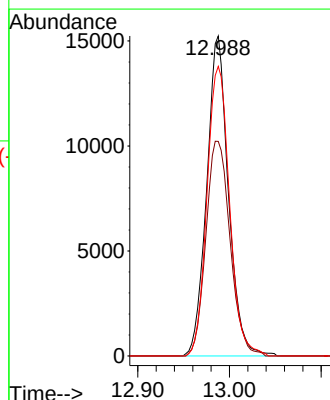
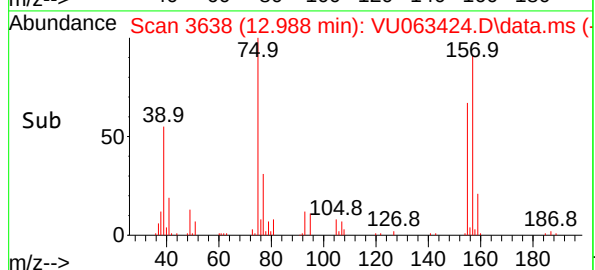
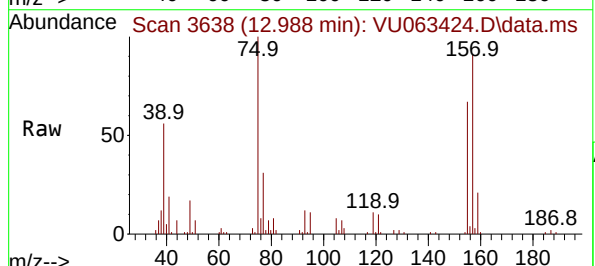
Tgt Ion: 75 Resp: 25123

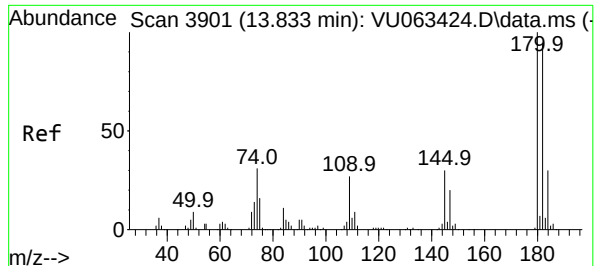
Ion Ratio Lower Upper

75 100

155 74.6 59.7 89.5

157 93.7 75.0 112.4





#87

1,2,4-Trichlorobenzene

Concen: 11.150 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063424.D

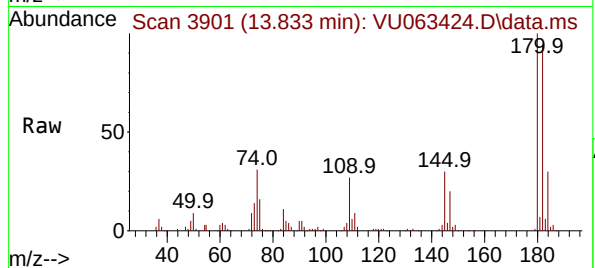
Acq: 23 Jun 2025 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

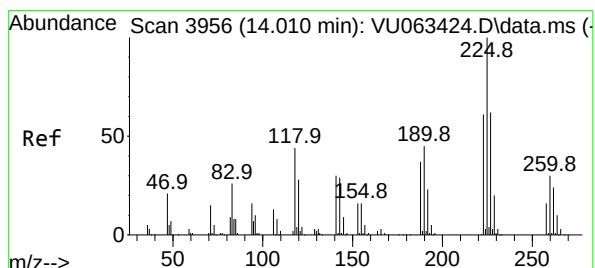
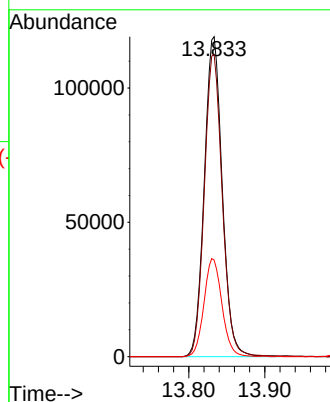
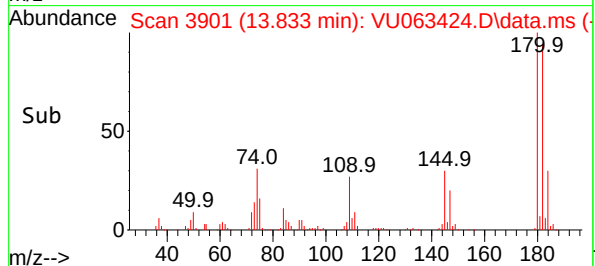


Tgt Ion:	180	Resp:	195352
Ion Ratio	Lower	Upper	
180	100		
182	94.5	75.6	113.4
145	30.7	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

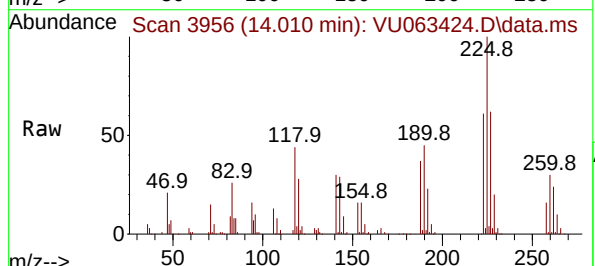
Concen: 10.630 ug/l

RT: 14.010 min Scan# 3956

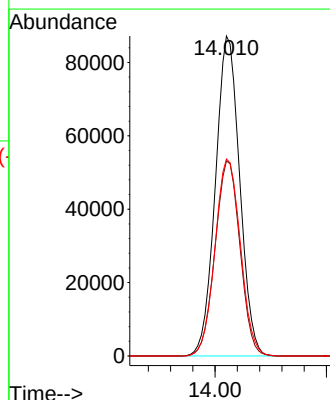
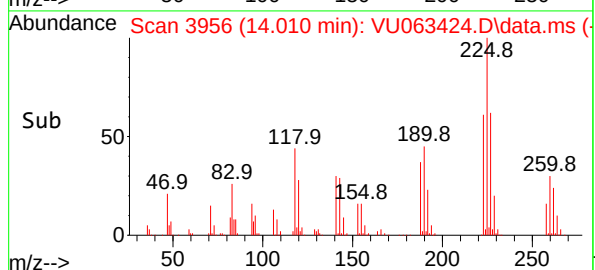
Delta R.T. 0.000 min

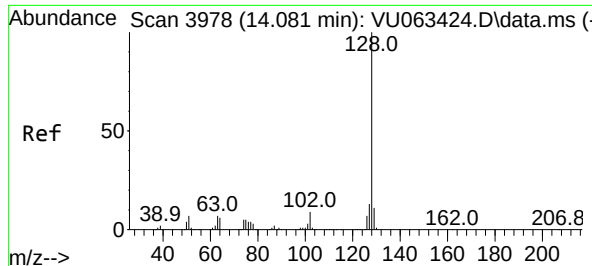
Lab File: VU063424.D

Acq: 23 Jun 2025 12:12



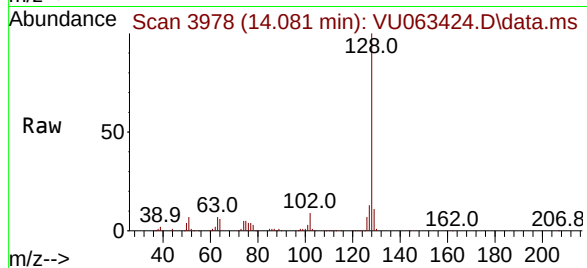
Tgt Ion:	225	Resp:	132052
Ion Ratio	Lower	Upper	
225	100		
223	62.5	50.0	75.0
227	64.4	51.5	77.3





#89
Naphthalene
Concen: 9.670 ug/l
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

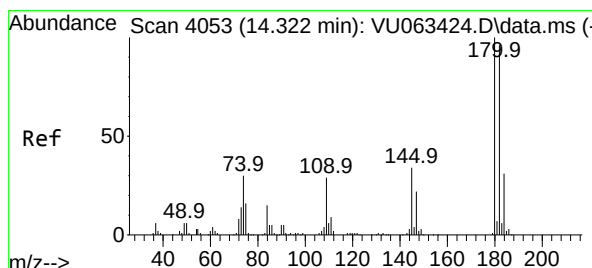
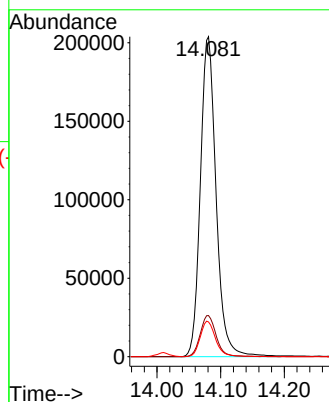
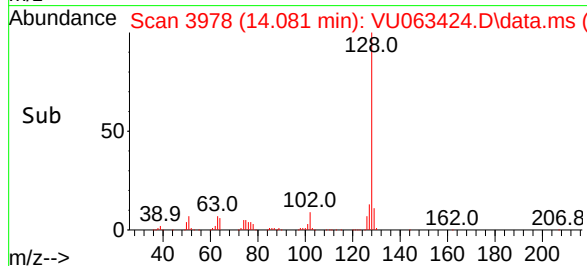
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:128 Resp: 35000
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1

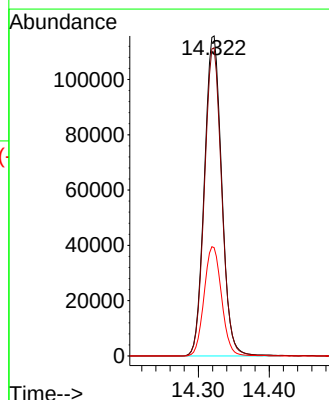
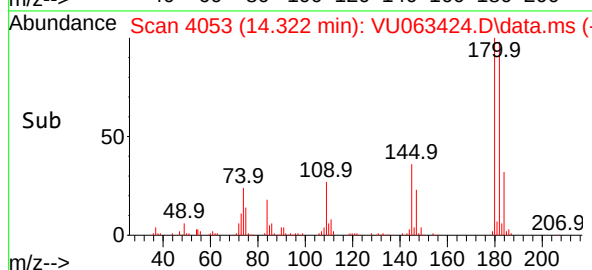
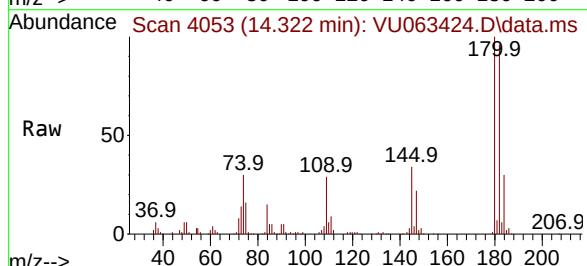
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90
1,2,3-Trichlorobenzene
Concen: 11.266 ug/l
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063424.D
Acq: 23 Jun 2025 12:12

Tgt Ion:180 Resp: 196276
Ion Ratio Lower Upper
180 100
182 95.9 76.7 115.1
145 34.3 27.4 41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063425.D
 Acq On : 23 Jun 2025 13:05
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:43:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue Jun 24 03:53:51 2025

Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	55542	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	21764	1.067	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	21650	1.057	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	320918	15.043	ug/l	99
3) Chloromethane	1.518	50	402670	14.328	ug/l	99
4) Vinyl Chloride	1.599	62	360109	14.964	ug/l	99
5) Bromomethane	1.840	94	154228	13.377	ug/l	98
6) Chloroethane	1.920	64	205002	14.383	ug/l	99
7) Trichlorofluoromethane	2.126	101	411631	15.000	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	220192m	15.066	ug/l	
9) 1,1-Dichloroethene	2.567	96	220427	15.114	ug/l	99
10) Iodomethane	2.708	142	211003	17.924	ug/l	99
11) Allyl Chloride	2.911	41	387123	14.902	ug/l	99
12) Acrylonitrile	3.303	53	126007m	29.902	ug/l	
13) Acetone	2.618	43	379532	75.787	ug/l	99
14) Carbon Disulfide	2.779	76	759256	14.929	ug/l	100
15) Methylene Chloride	3.030	84	266545	14.419	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	243631	14.847	ug/l	98
17) 1,1-Dichloroethane	3.849	63	509832	14.797	ug/l	100
18) 2-Butanone	4.708	43	490050	83.335	ug/l	100
19) Cyclohexane	5.364	56	425245	16.313	ug/l	94
20) Methylcyclohexane	6.746	83	424768m	17.635	ug/l	
21) 2,2-Dichloropropane	4.647	77	370265	15.119	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	261791	14.616	ug/l	98
23) Diethyl Ether	2.370	59	202958	15.423	ug/l	98
24) tert-Butyl Alcohol	3.187	59	220125	158.795	ug/l	99
25) Methyl tert-Butyl Ether	3.357	73	614070	15.482	ug/l	99
26) Bromochloromethane	4.959	128	103279	14.815	ug/l	99
27) Chloroform	5.074	83	469579	14.538	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	385099	14.703	ug/l	98
29) 1,1-Dichloropropene	5.505	75	364936	15.253	ug/l	96
30) Carbon Tetrachloride	5.502	117	309522	14.796	ug/l	98
31) Isopropyl Ether	3.991	45	803593	14.841	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	703516m	15.428	ug/l	
33) Tert-Amyl methyl ether	5.943	73	563733	17.293	ug/l	98
34) Propionitrile	4.772	54	120791	71.011	ug/l	98
35) Benzene	5.756	78	1083494	14.970	ug/l	99
36) 1,2-Dichloroethane	5.782	62	320302	15.139	ug/l	99
37) Trichloroethene	6.528	130	264898	15.488	ug/l	100
38) 1,2-Dichloropropane	6.782	63	316392	15.828	ug/l	100
39) Methacrylonitrile	4.972	41	102606	14.497	ug/l	99
40) Methyl acrylate	4.846	55	162541	16.324	ug/l	98
41) Tetrahydrofuran	5.058	42	107618	28.267	ug/l	99
42) 1-Chlorobutane	5.441	56	547855	16.141	ug/l	100
43) Dibromomethane	6.907	93	143318	15.348	ug/l	97
44) Bromodichloromethane	7.097	83	343381	15.096	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063425.D
 Acq On : 23 Jun 2025 13:05
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:43:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	872495	87.043	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	90745m	28.361	ug/l	
47) Methyl methacrylate	6.965	69	272864	30.195	ug/l	98
48) Ethyl methacrylate	8.332	69	255214	14.986	ug/l	98
49) Toluene	7.962	92	681570	17.153	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	302780	18.459	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	393078	17.841	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	209627	15.357	ug/l	99
53) 1,3-Dichloropropane	8.569	76	368628	15.696	ug/l	99
54) 2-Hexanone	8.685	43	632599	75.090	ug/l	98
55) Dibromochloromethane	8.801	129	228158	16.200	ug/l	98
56) 1,2-Dibromoethane	8.917	107	168843	15.258	ug/l	98
58) Tetrachloroethene	8.544	164	267118	15.920	ug/l	99
59) Chlorobenzene	9.441	112	696251	16.367	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	235721	15.394	ug/l	98
61) Pentachloroethane	11.418	117	176614	14.158	ug/l	96
62) Hexachloroethane	12.466	117	178100	15.875	ug/l	99
63) Ethyl Benzene	9.563	91	1247103	18.287	ug/l	100
64) m/p-Xylenes	9.685	106	979694	29.979	ug/l	98
65) o-Xylene	10.094	106	463041	17.872	ug/l	100
66) Styrene	10.106	104	786883	14.979	ug/l	99
67) Bromoform	10.283	173	124626	16.195	ug/l	99
69) Isopropylbenzene	10.476	105	1081336	18.016	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	265725	15.218	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	226643m	15.599	ug/l	
72) Bromobenzene	10.775	156	275102	16.328	ug/l	84
73) n-propylbenzene	10.897	120	331125	15.024	ug/l	99
74) 2-Chlorotoluene	10.978	126	288819	17.342	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	1080027	14.923	ug/l	99
76) 4-Chlorotoluene	11.090	126	306016	17.541	ug/l	93
77) tert-Butylbenzene	11.412	119	967031	17.535	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	1106183	15.016	ug/l	98
79) sec-Butylbenzene	11.634	105	1391528	17.816	ug/l	100
80) Nitrobenzene	13.203	77	63943m	77.243	ug/l	
81) p-Isopropyltoluene	11.785	119	1141962	14.991	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	558223	15.994	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	579089	16.003	ug/l	100
84) n-Butylbenzene	12.200	91	1143852	17.890	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	536861	16.073	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.984	75	39601	16.498	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	321704	17.274	ug/l	99
88) Hexachlorobutadiene	14.013	225	209808	15.890	ug/l	99
89) Naphthalene	14.081	128	611576	15.330	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	319688	17.264	ug/l	100

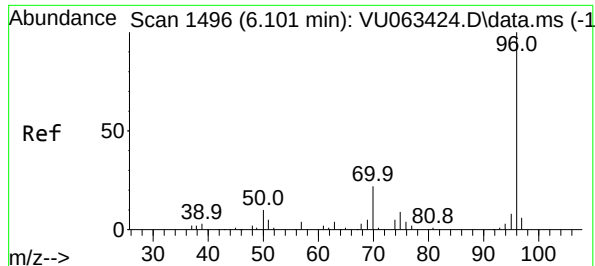
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

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Supervised By :Semsettin Yesilyurt 06/25/2025





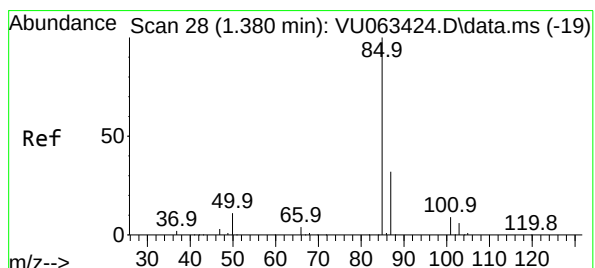
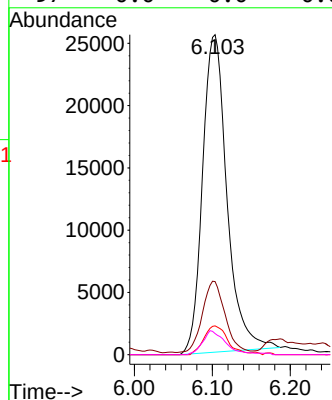
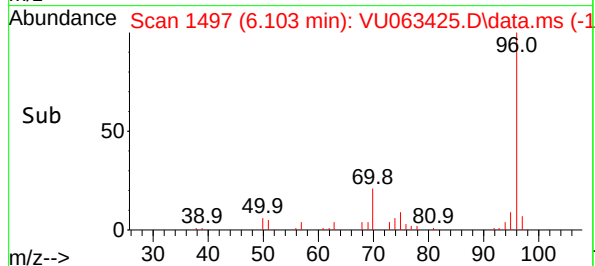
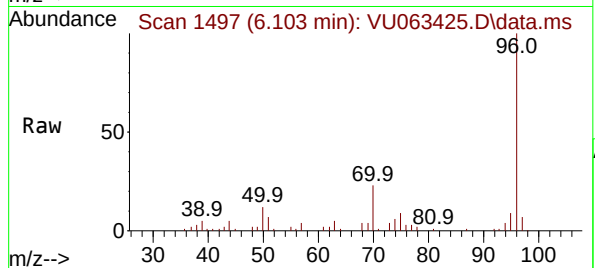
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 96 Resp: 5554
Ion Ratio Lower Upper
96 100
70 20.1 16.4 24.6
95 0.0 6.2 9.2
97 0.0 0.0 0.0

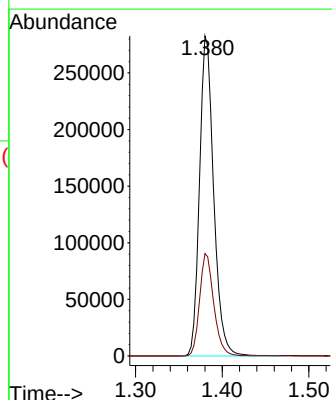
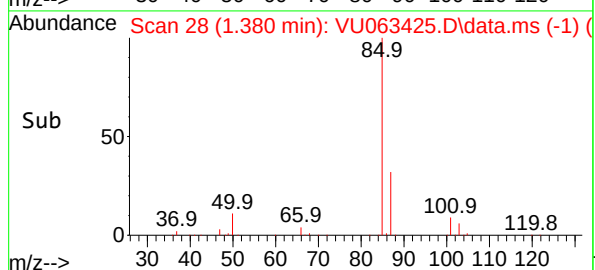
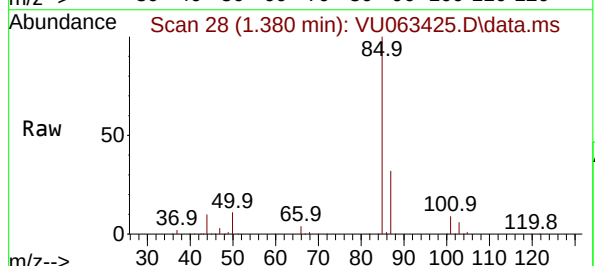
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APPROVED

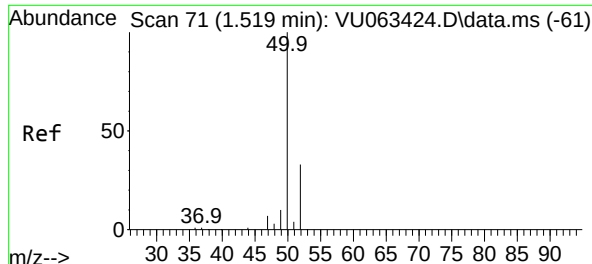
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 15.043 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion: 85 Resp: 320918
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.5





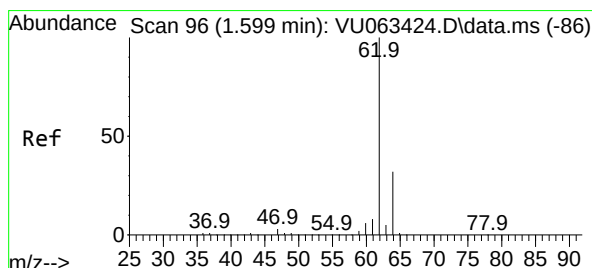
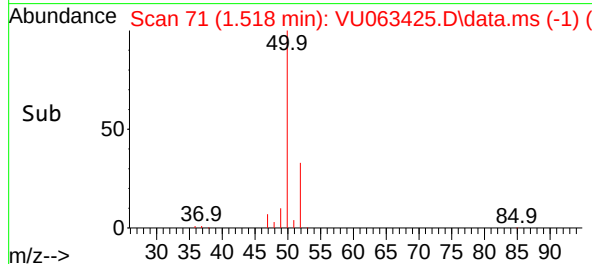
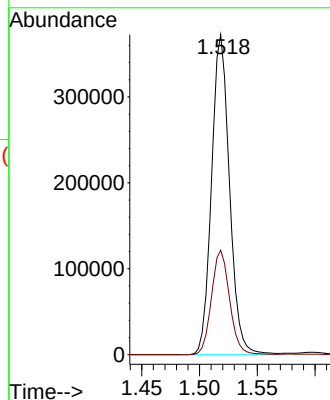
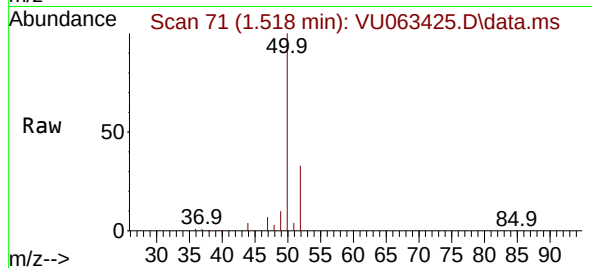
#3
Chloromethane
Concen: 14.328 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 50 Resp: 402670
Ion Ratio Lower Upper
50 100
52 32.6 26.6 40.0

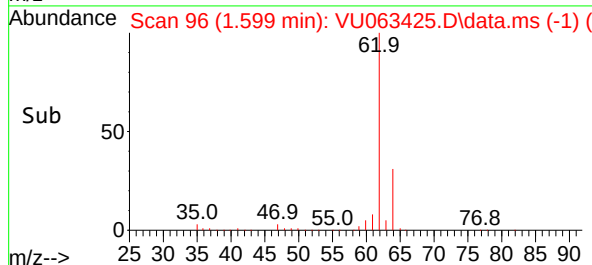
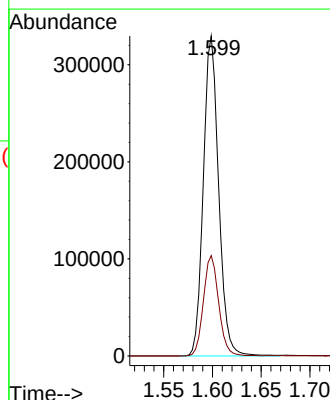
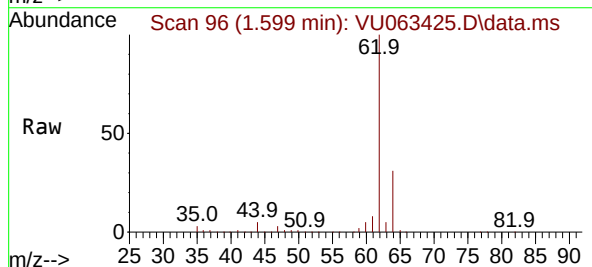
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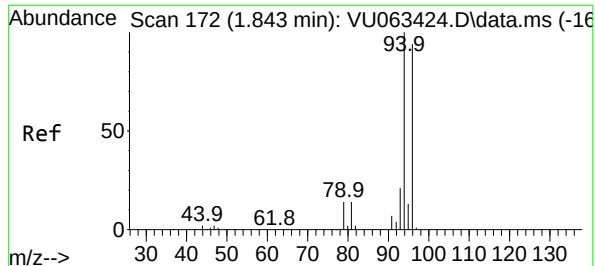
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 14.964 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion: 62 Resp: 360109
Ion Ratio Lower Upper
62 100
64 31.3 25.7 38.5





#5

Bromomethane

Concen: 13.377 ug/l

RT: 1.840 min Scan# 11

Delta R.T. -0.004 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 94 Resp: 154228

Ion Ratio Lower Upper

94 100

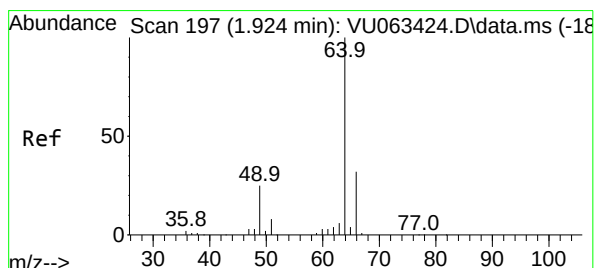
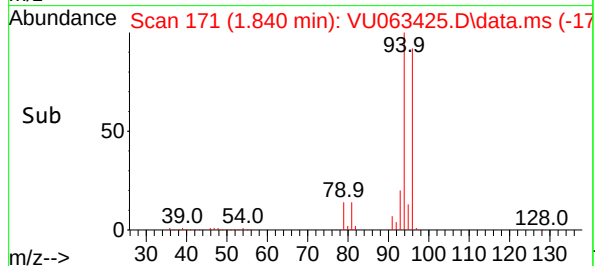
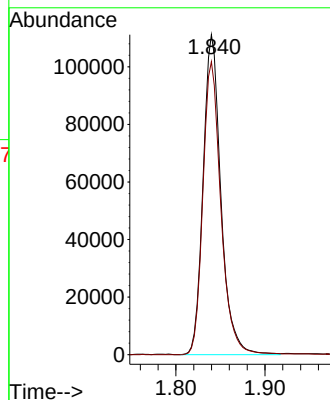
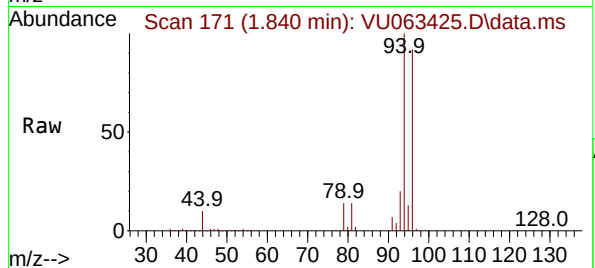
96 91.6 74.8 112.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#6

Chloroethane

Concen: 14.383 ug/l

RT: 1.920 min Scan# 196

Delta R.T. -0.004 min

Lab File: VU063425.D

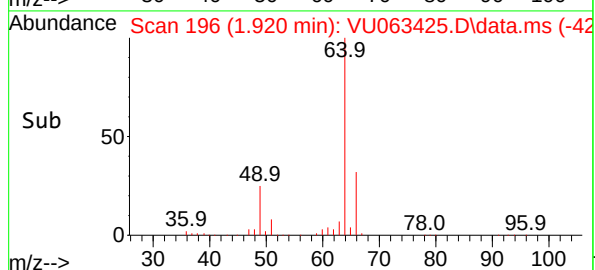
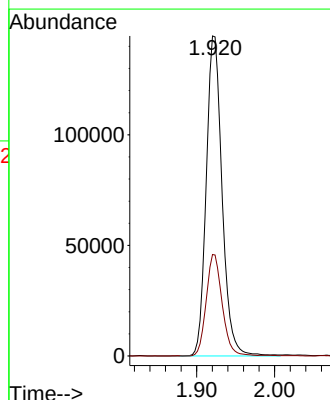
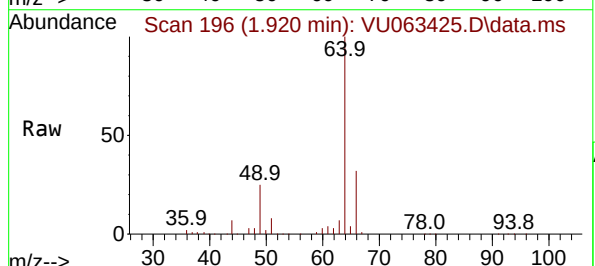
Acq: 23 Jun 2025 13:05

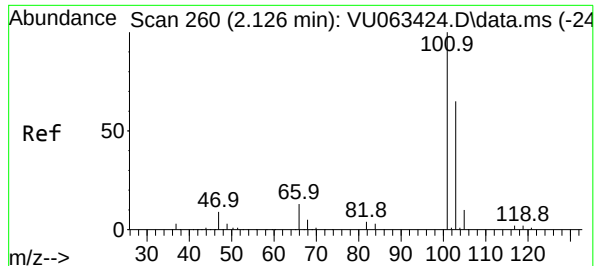
Tgt Ion: 64 Resp: 205002

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5





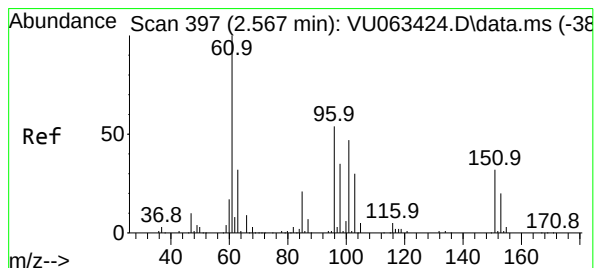
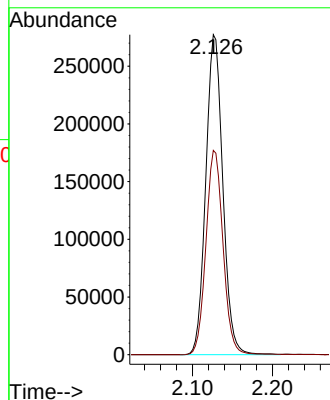
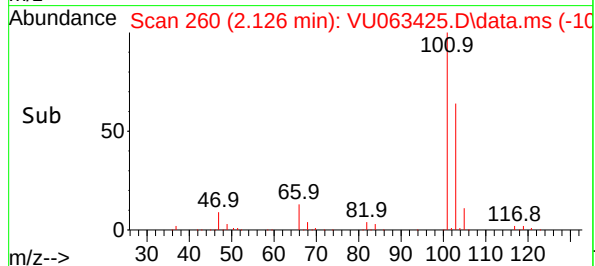
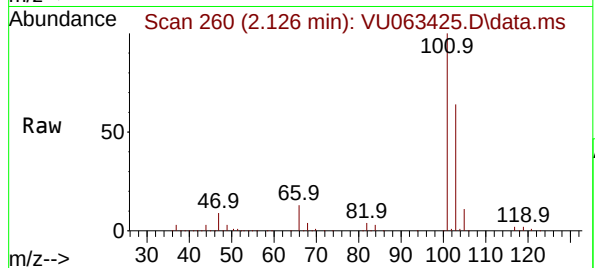
#7
Trichlorofluoromethane
Concen: 15.000 ug/l
RT: 2.126 min Scan# 201
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 41163
Ion Ratio Lower Upper
101 100
103 63.9 52.3 78.5

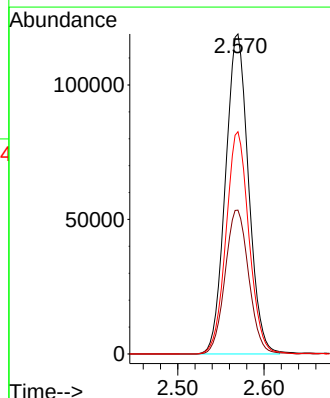
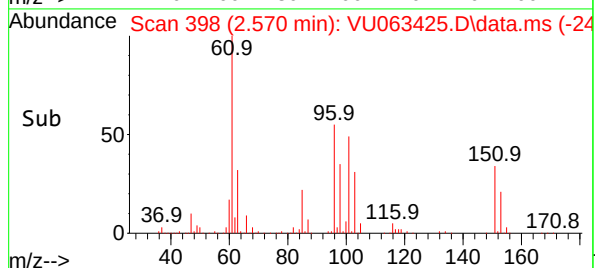
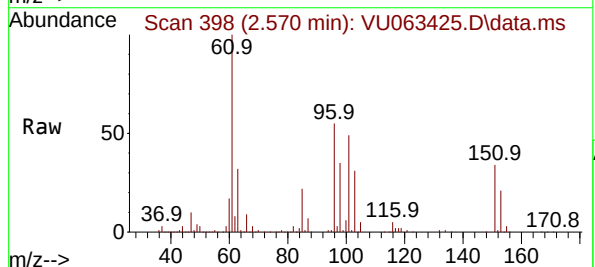
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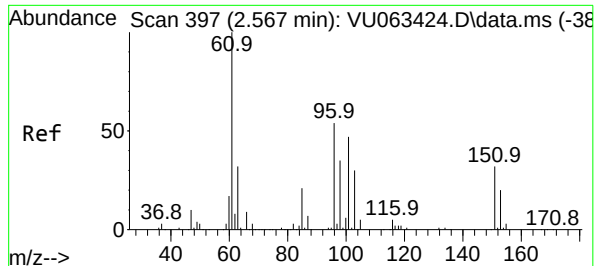
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 15.066 ug/l m
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion:101 Resp: 220192
Ion Ratio Lower Upper
101 100
85 46.2 36.7 55.1
151 69.1 53.9 80.9





#9

1,1-Dichloroethene

Concen: 15.114 ug/l

RT: 2.567 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 96 Resp: 22042

Ion Ratio Lower Upper

96 100

61 182.2 0.0 552.0

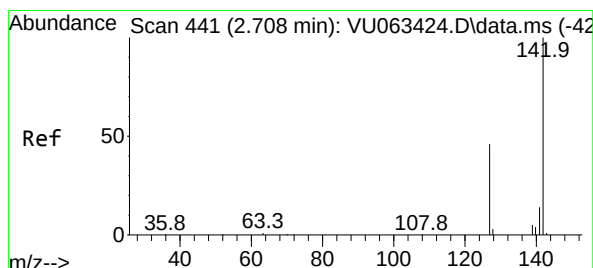
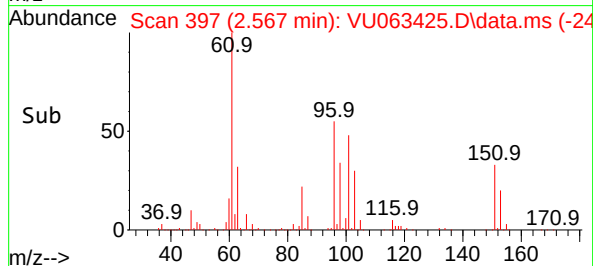
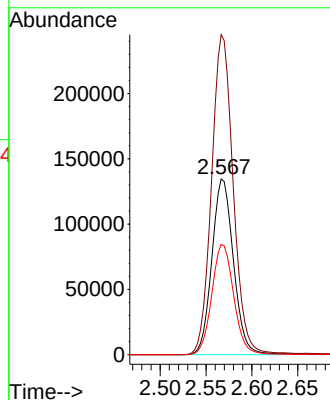
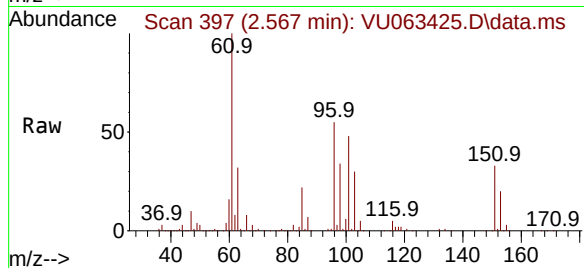
98 62.8 0.0 128.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#10

Iodomethane

Concen: 17.924 ug/l

RT: 2.708 min Scan# 441

Delta R.T. -0.000 min

Lab File: VU063425.D

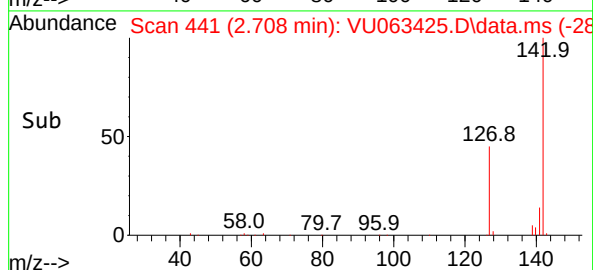
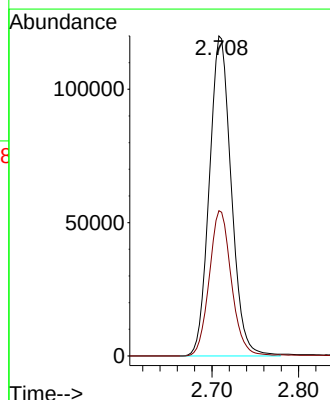
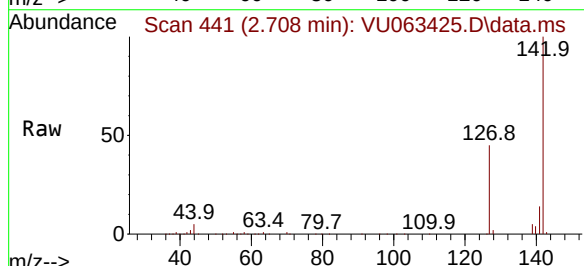
Acq: 23 Jun 2025 13:05

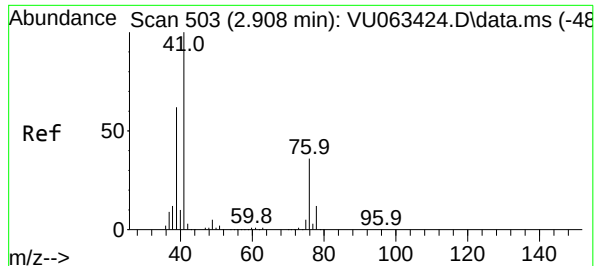
Tgt Ion:142 Resp: 211003

Ion Ratio Lower Upper

142 100

127 45.7 36.9 55.3





#11

Allyl Chloride

Concen: 14.902 ug/l

RT: 2.911 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 38712

Ion Ratio Lower Upper

41 100

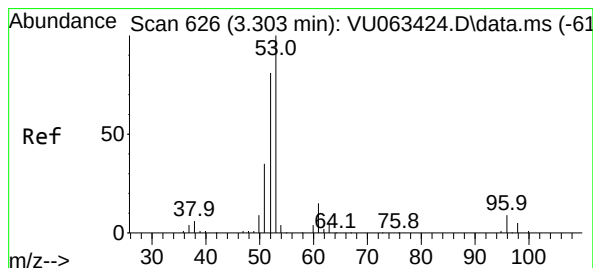
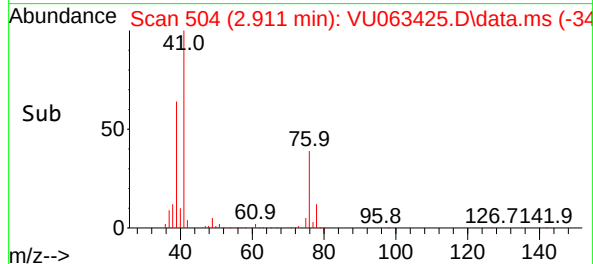
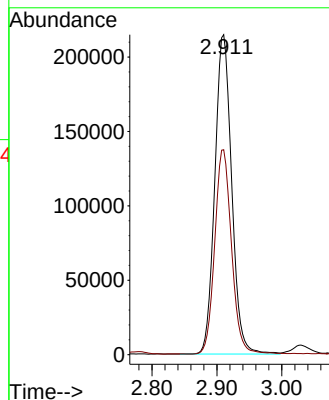
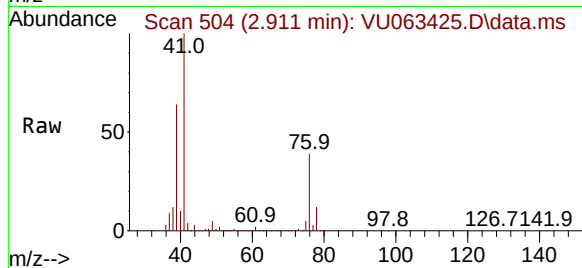
39 63.7 50.3 75.5

Manual Integrations

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Supervised By :Semsettin Yesilyurt 06/25/2025



#12

Acrylonitrile

Concen: 29.902 ug/l m

RT: 3.303 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

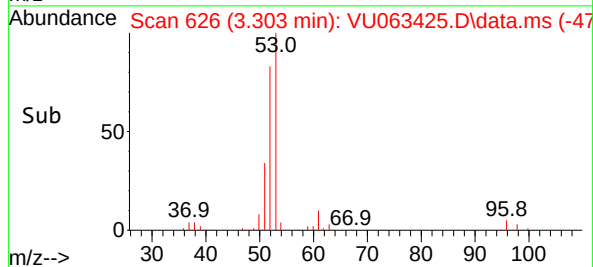
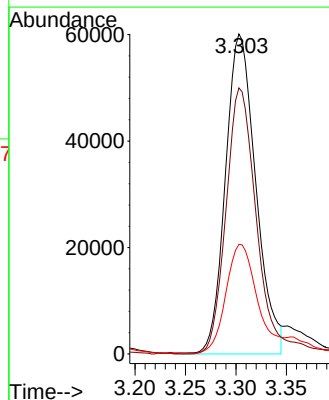
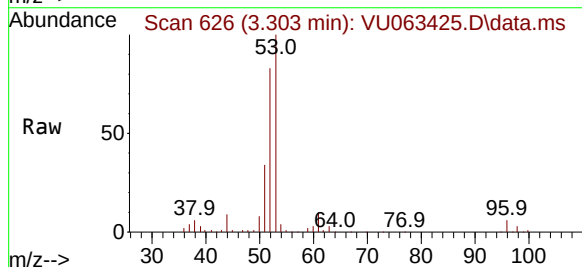
Tgt Ion: 53 Resp: 126007

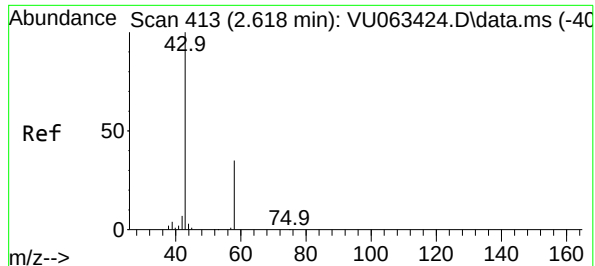
Ion Ratio Lower Upper

53 100

52 84.8 62.8 94.2

51 35.9 26.2 39.4





#13

Acetone

Concen: 75.787 ug/l

RT: 2.618 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 37953

Ion Ratio Lower Upper

43 100

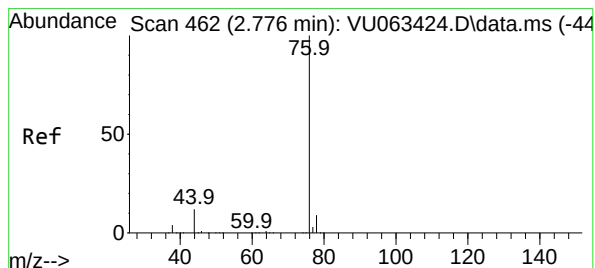
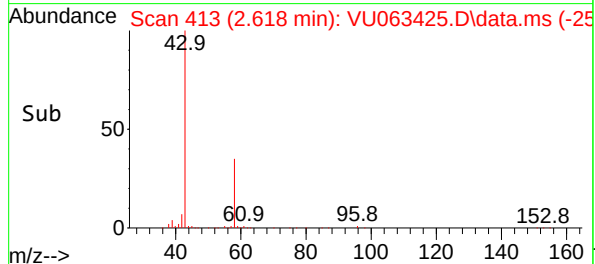
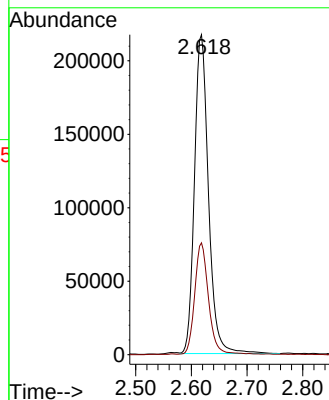
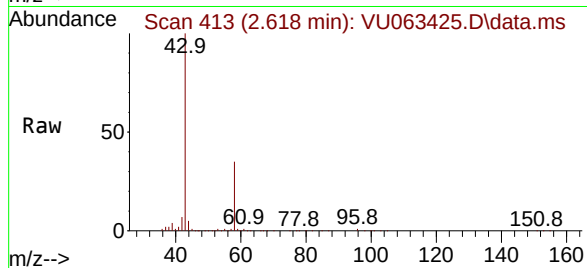
58 34.9 28.3 42.5

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 14.929 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063425.D

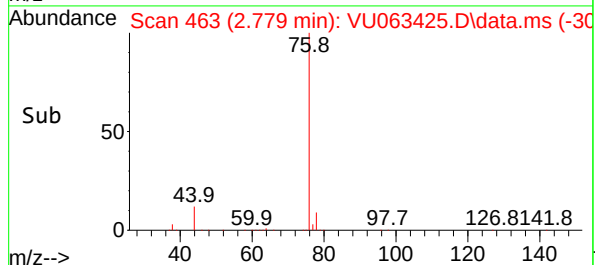
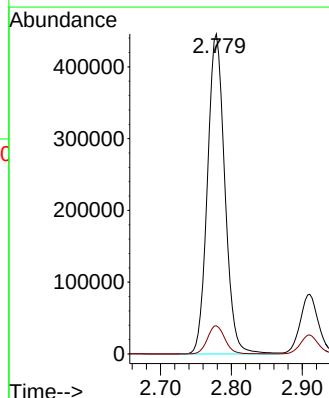
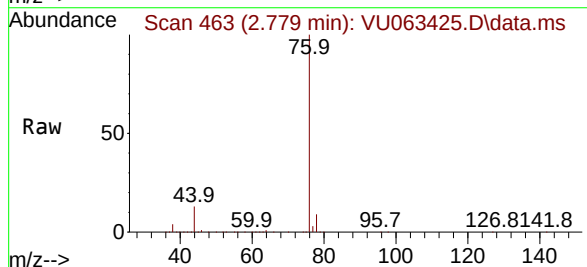
Acq: 23 Jun 2025 13:05

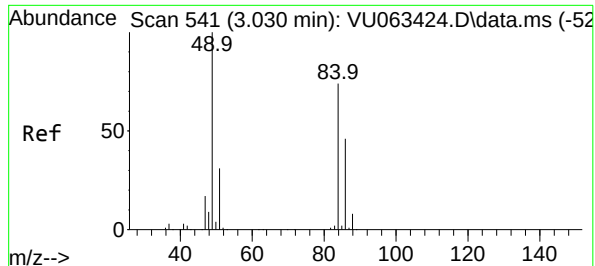
Tgt Ion: 76 Resp: 759256

Ion Ratio Lower Upper

76 100

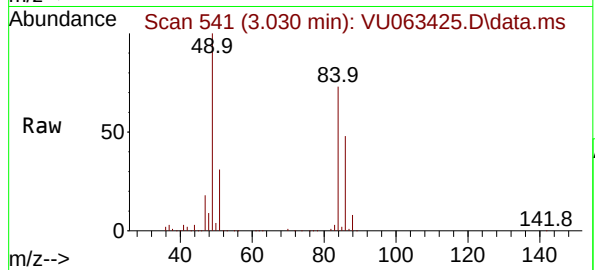
78 8.8 6.9 10.3





#15
Methylene Chloride
Concen: 14.419 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

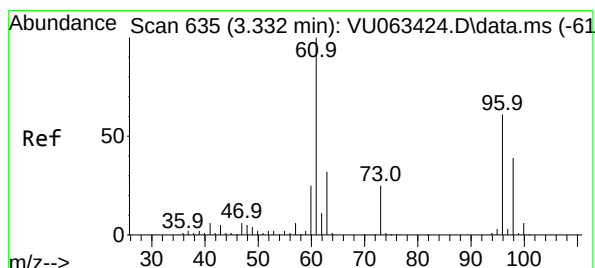
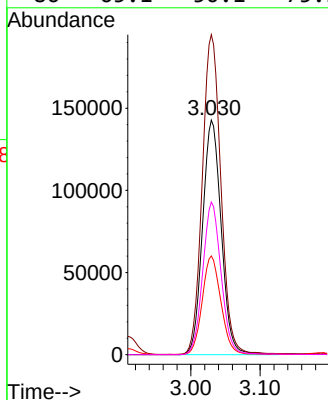
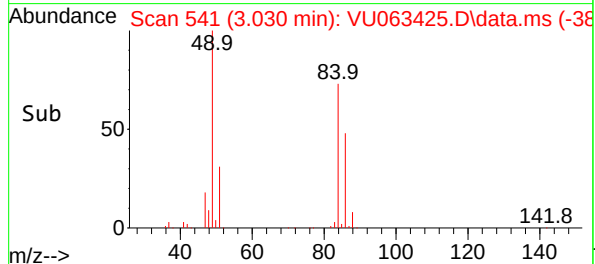
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



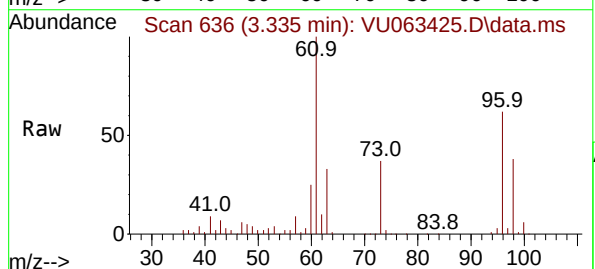
Tgt Ion: 84 Resp: 266549
Ion Ratio Lower Upper
84 100
49 136.3 108.7 163.1
51 42.0 0.0 83.8
86 65.1 50.1 75.1

Manual Integrations
APPROVED

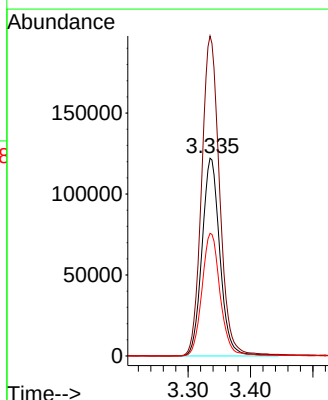
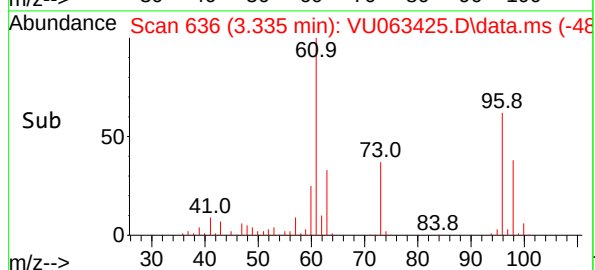
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

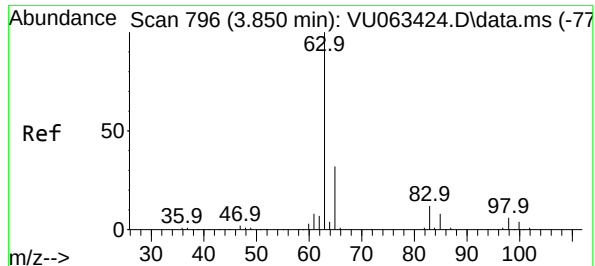


#16
trans-1,2-Dichloroethene
Concen: 14.847 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05



Tgt Ion: 96 Resp: 243631
Ion Ratio Lower Upper
96 100
61 161.6 132.1 198.1
98 61.9 51.0 76.4





#17

1,1-Dichloroethane

Concen: 14.797 ug/l

RT: 3.849 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 50983

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

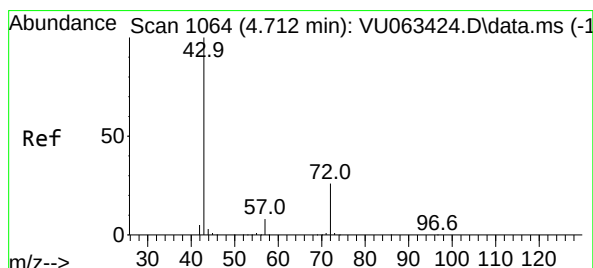
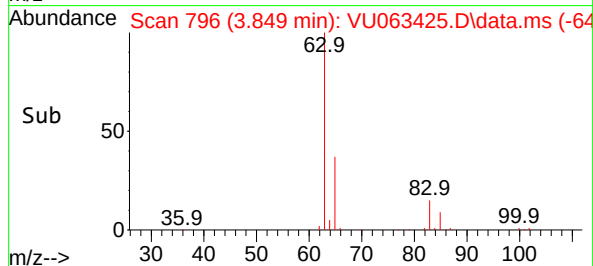
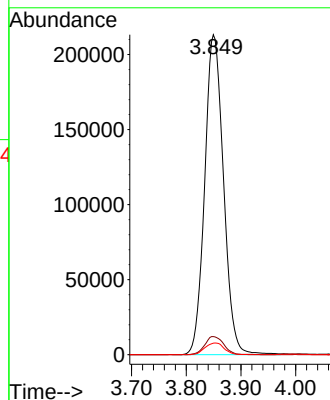
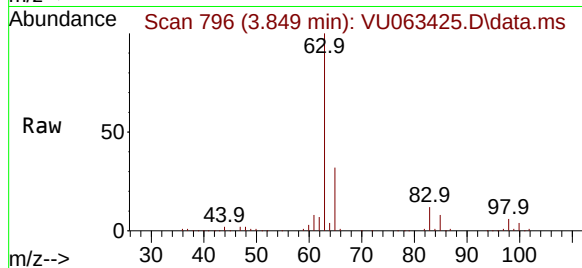
100 3.6 1.9 5.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 83.335 ug/l

RT: 4.708 min Scan# 1063

Delta R.T. -0.004 min

Lab File: VU063425.D

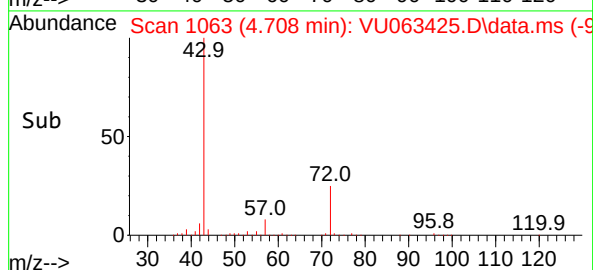
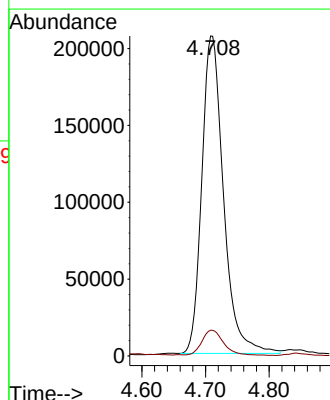
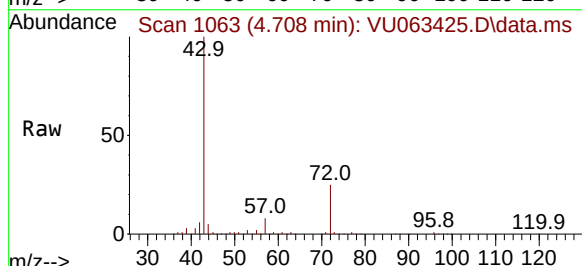
Acq: 23 Jun 2025 13:05

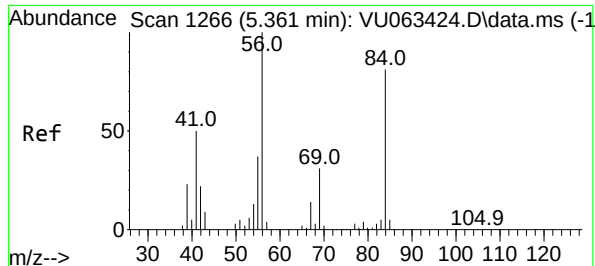
Tgt Ion: 43 Resp: 490050

Ion Ratio Lower Upper

43 100

57 7.8 0.0 16.0





#19

Cyclohexane

Concen: 16.313 ug/l

RT: 5.364 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 56 Resp: 42524

Ion Ratio Lower Upper

56 100

69 31.7 26.4 39.6

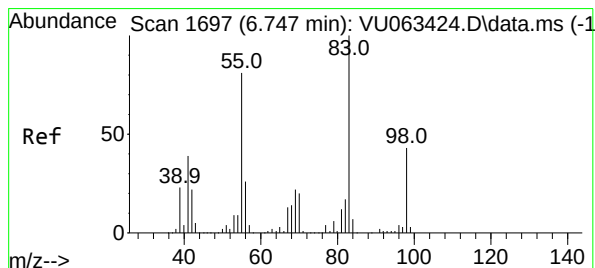
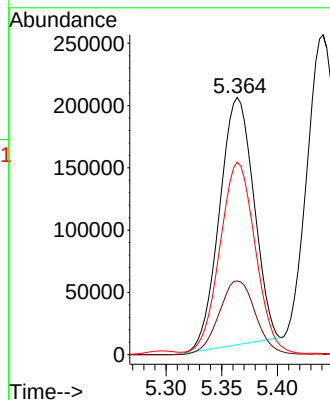
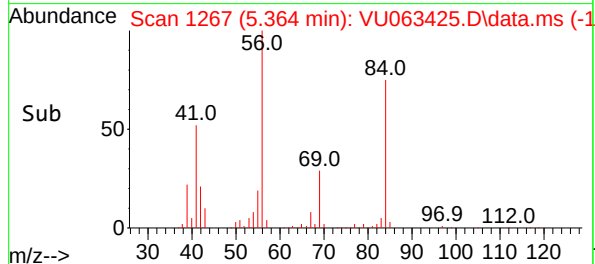
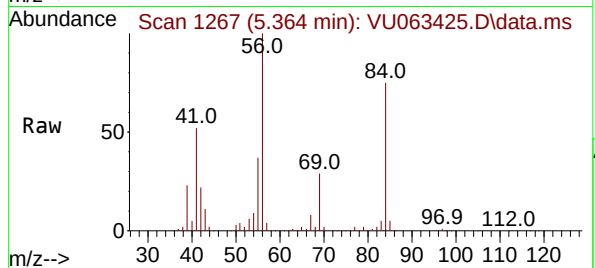
84 79.2 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 17.635 ug/l m

RT: 6.746 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

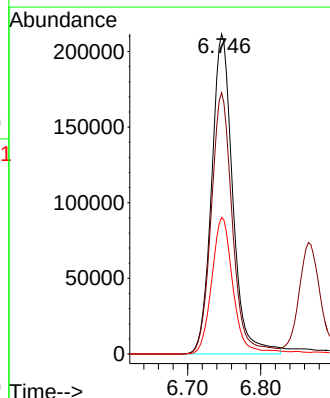
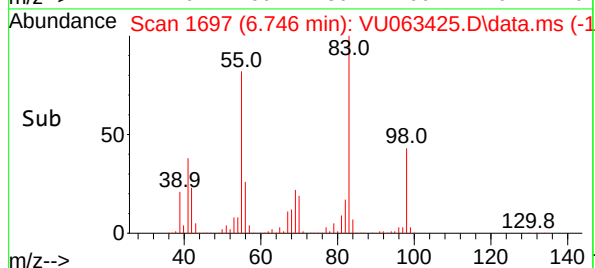
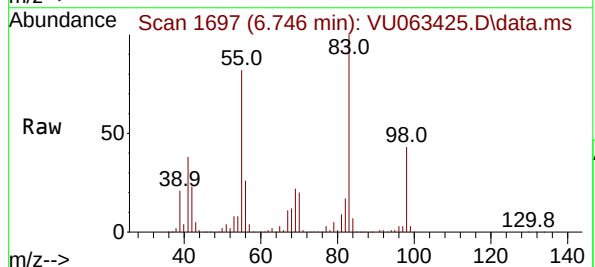
Tgt Ion: 83 Resp: 424768

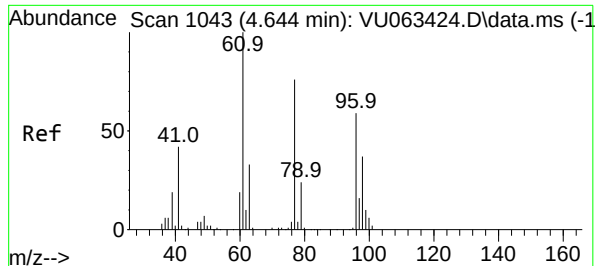
Ion Ratio Lower Upper

83 100

55 78.8 63.5 95.3

98 40.5 34.2 51.4





#21

2,2-Dichloropropane

Concen: 15.119 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 77 Resp: 37026

Ion Ratio Lower Upper

77 100

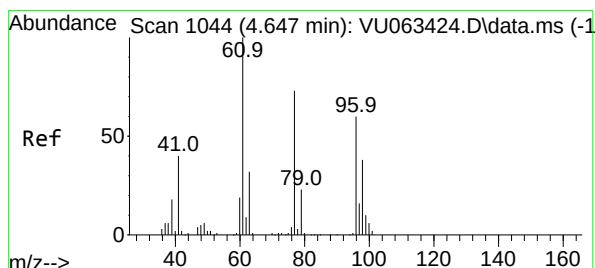
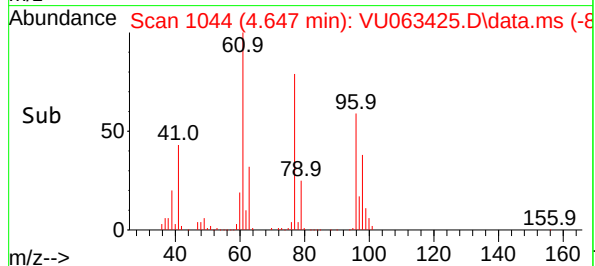
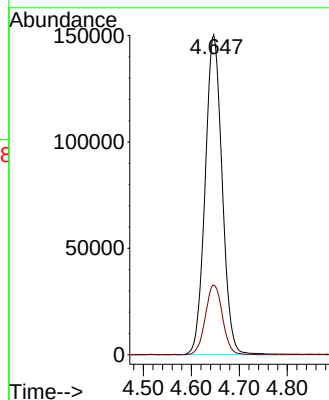
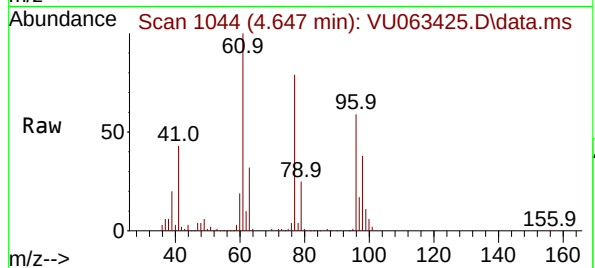
97 22.0 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#22

cis-1,2-Dichloroethene

Concen: 14.616 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

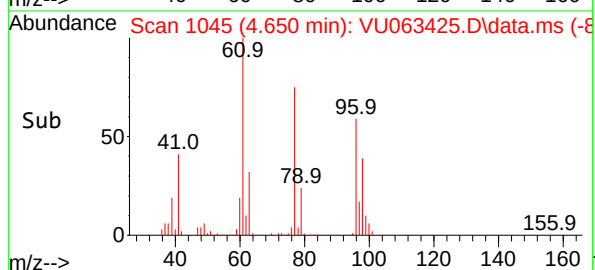
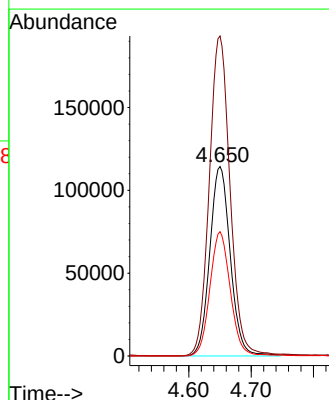
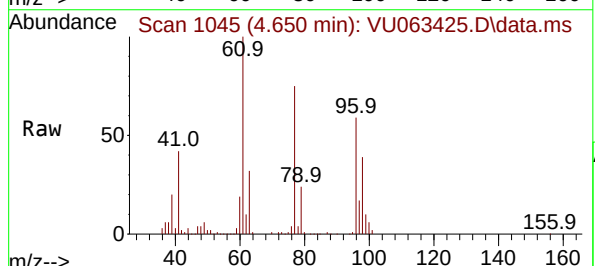
Tgt Ion: 96 Resp: 261791

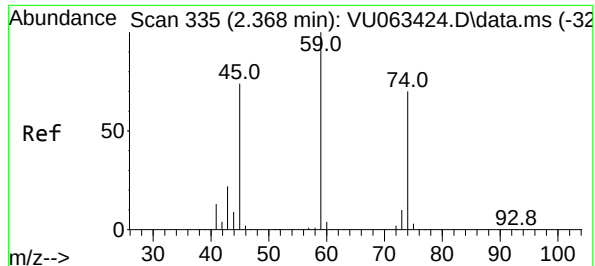
Ion Ratio Lower Upper

96 100

61 170.3 0.0 434.3

98 65.1 31.9 95.7





#23

Diethyl Ether

Concen: 15.423 ug/l

RT: 2.370 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 20295

Ion Ratio Lower Upper

59 100

45 73.6 60.7 91.1

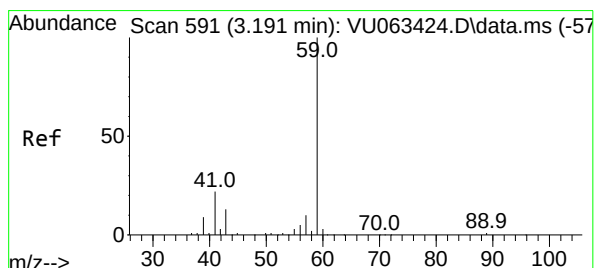
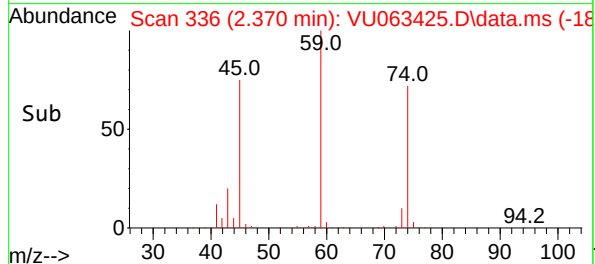
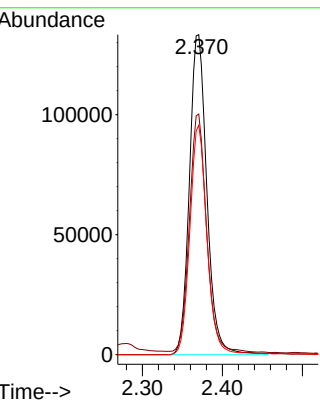
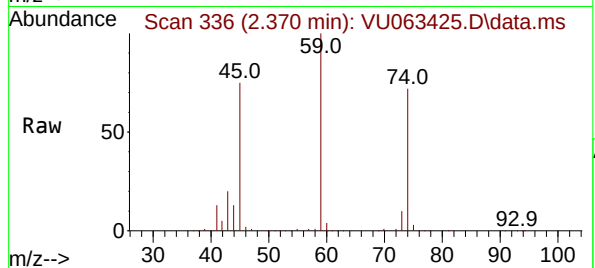
74 70.2 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#24

tert-Butyl Alcohol

Concen: 158.795 ug/l

RT: 3.187 min Scan# 590

Delta R.T. -0.004 min

Lab File: VU063425.D

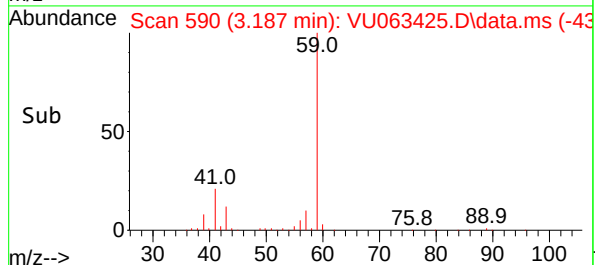
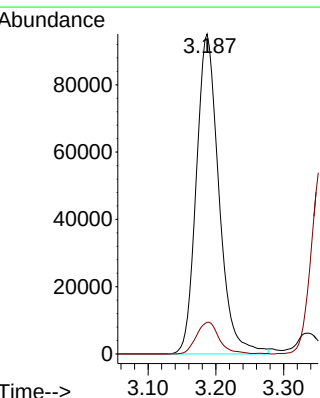
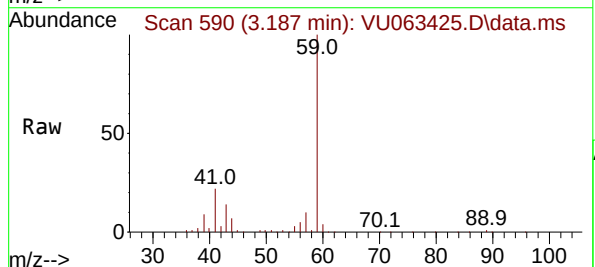
Acq: 23 Jun 2025 13:05

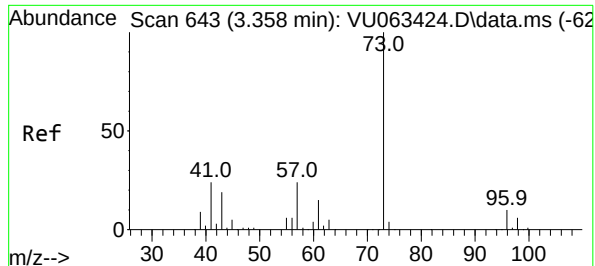
Tgt Ion: 59 Resp: 220125

Ion Ratio Lower Upper

59 100

57 10.0 7.8 11.8





#25

Methyl tert-Butyl Ether

Concen: 15.482 ug/l

RT: 3.357 min Scan# 64

Delta R.T. -0.001 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 73 Resp: 614070

Ion Ratio Lower Upper

73 100

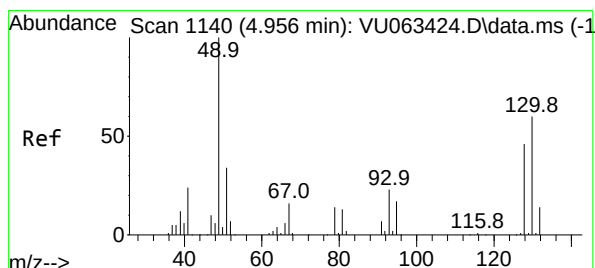
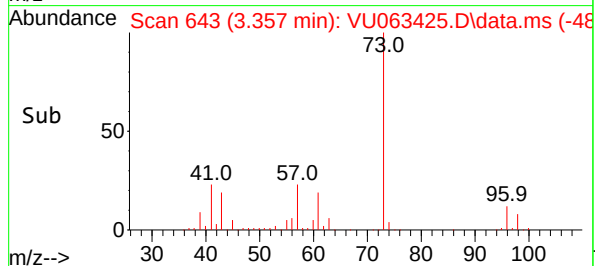
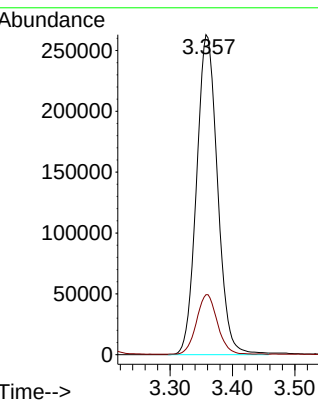
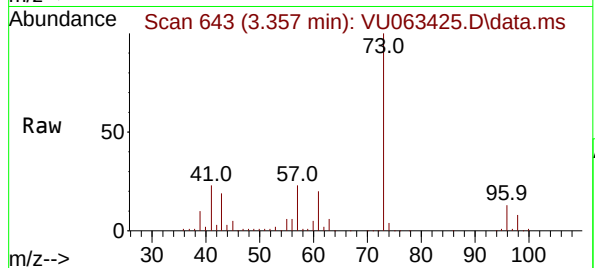
43 18.6 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#26

Bromochloromethane

Concen: 14.815 ug/l

RT: 4.959 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

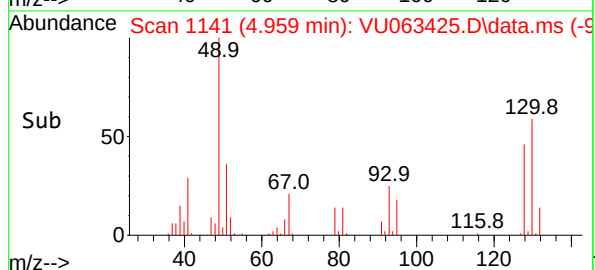
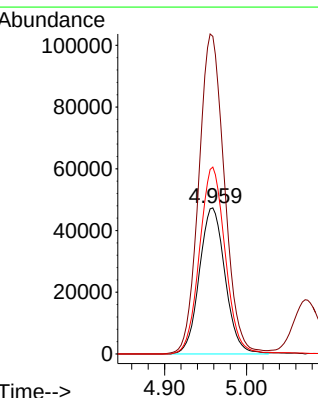
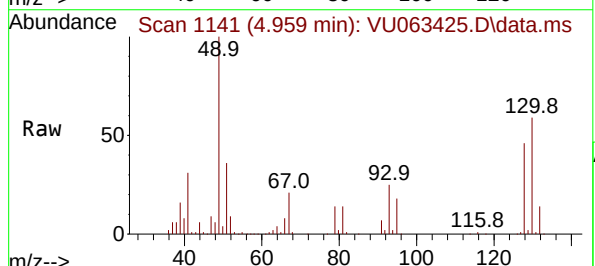
Tgt Ion:128 Resp: 103279

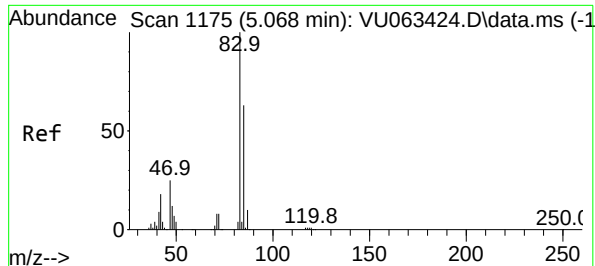
Ion Ratio Lower Upper

128 100

49 218.7 0.0 441.2

130 128.0 102.3 153.5





#27

Chloroform

Concen: 14.538 ug/l

RT: 5.074 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 469579

Ion Ratio Lower Upper

83 100

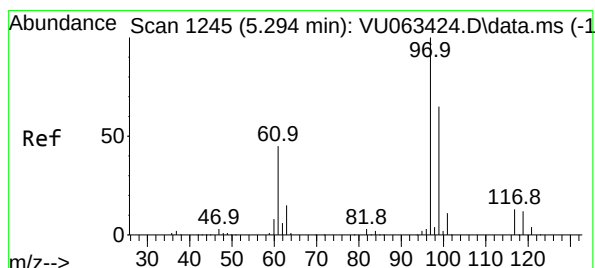
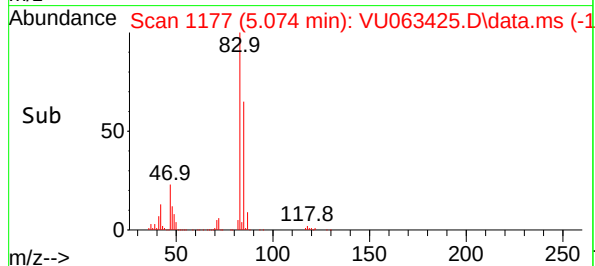
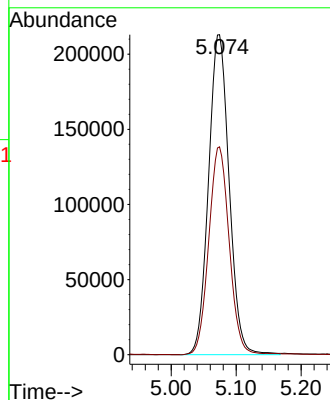
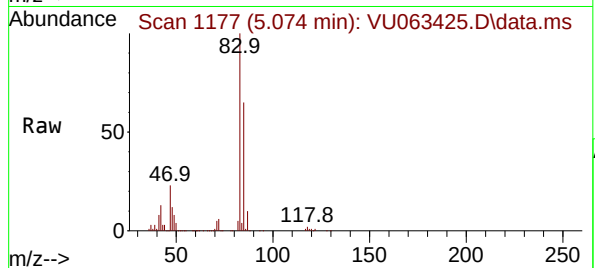
85 64.9 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 14.703 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

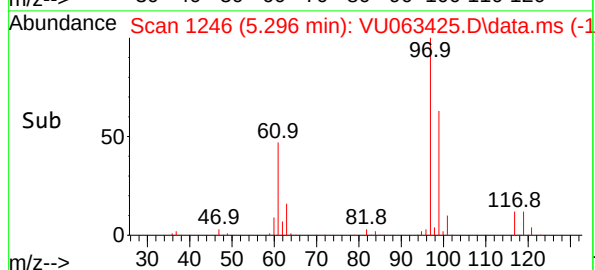
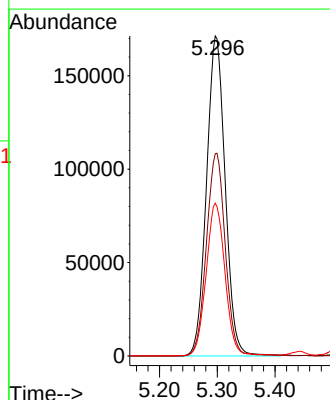
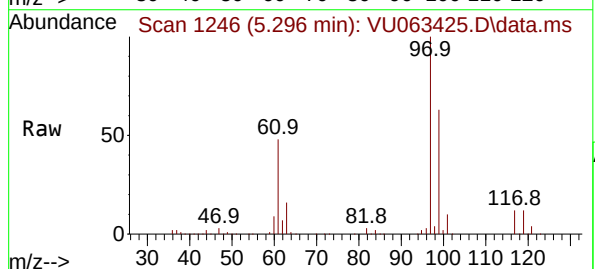
Tgt Ion: 97 Resp: 385099

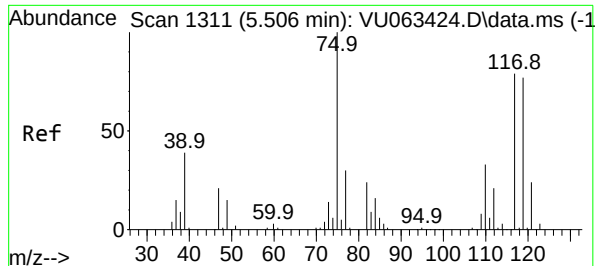
Ion Ratio Lower Upper

97 100

99 64.1 31.9 95.5

61 48.0 22.9 68.7





#29

1,1-Dichloropropene

Concen: 15.253 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. -0.001 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 364930

Ion Ratio Lower Upper

75 100

110 31.3 17.4 52.2

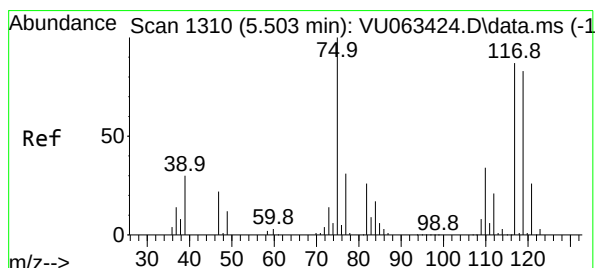
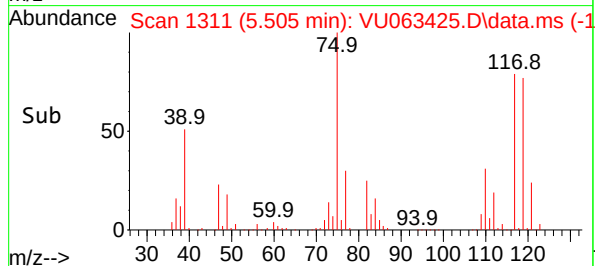
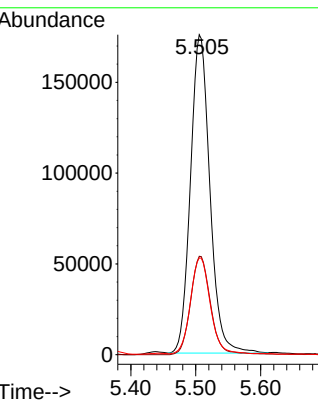
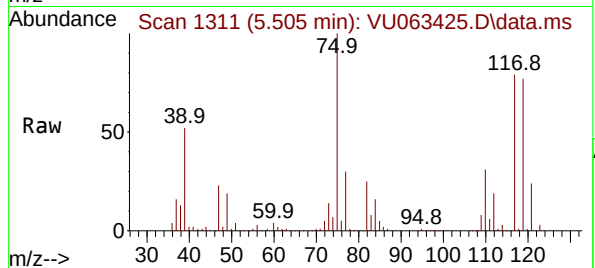
77 30.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 14.796 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

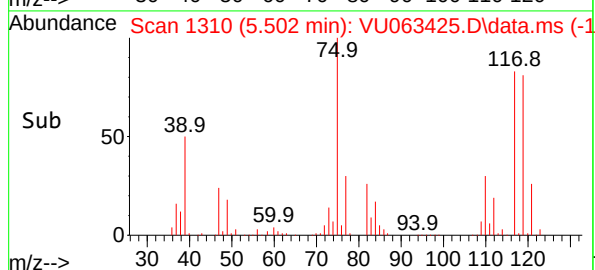
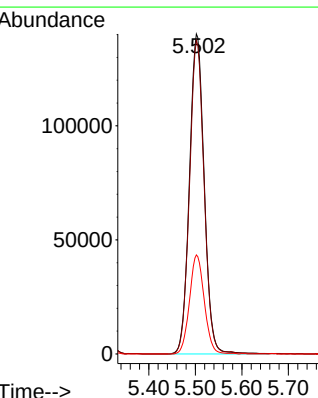
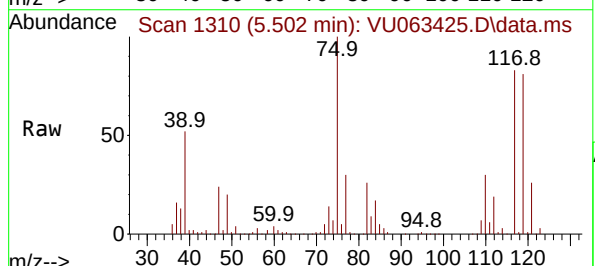
Tgt Ion:117 Resp: 309522

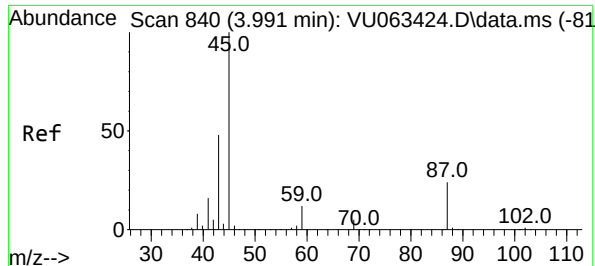
Ion Ratio Lower Upper

117 100

119 97.9 76.7 115.1

121 31.0 24.3 36.5





#31

Isopropyl Ether

Concen: 14.841 ug/l

RT: 3.991 min Scan# 840

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 45 Resp: 80359

Ion Ratio Lower Upper

45 100

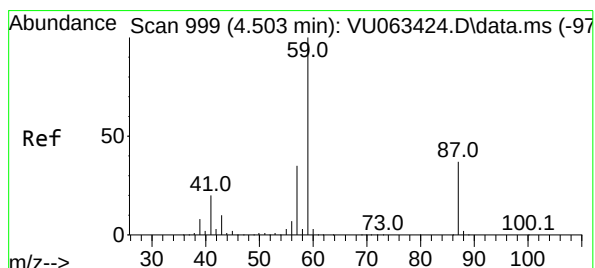
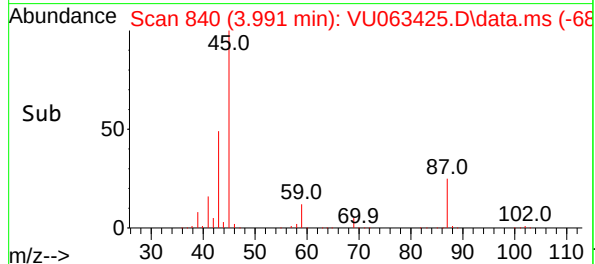
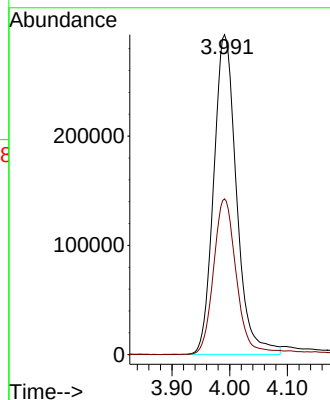
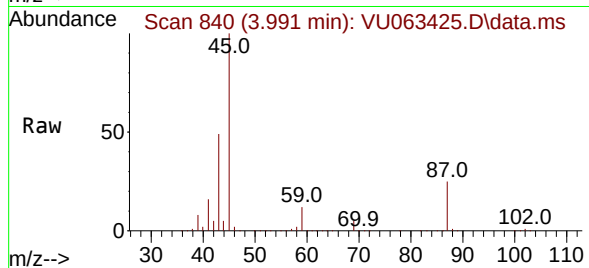
43 48.8 23.8 71.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#32

Ethyl-t-butyl ether

Concen: 15.428 ug/l m

RT: 4.502 min Scan# 999

Delta R.T. -0.001 min

Lab File: VU063425.D

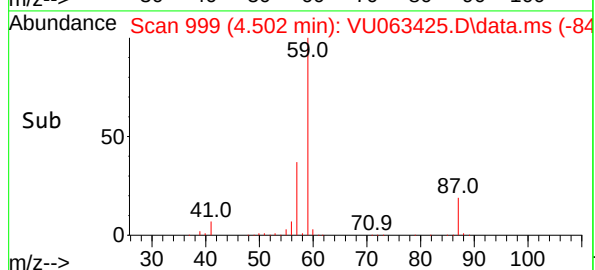
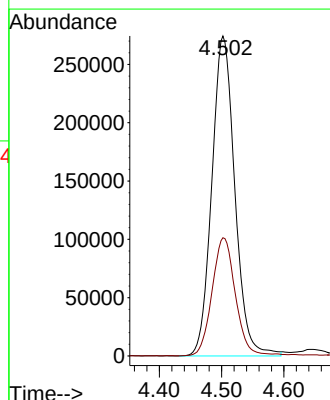
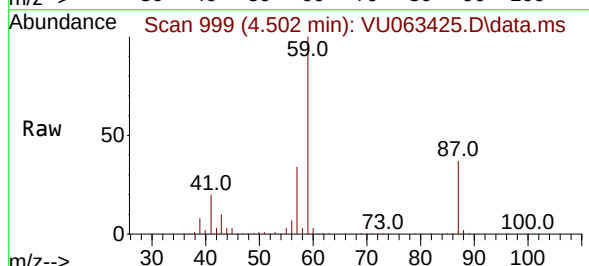
Acq: 23 Jun 2025 13:05

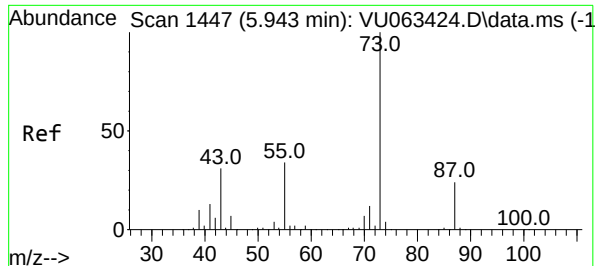
Tgt Ion: 59 Resp: 703516

Ion Ratio Lower Upper

59 100

87 36.2 29.9 44.9





#33

Tert-Amyl methyl ether

Concen: 17.293 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 73 Resp: 56373

Ion Ratio Lower Upper

73 100

87 23.7 18.1 27.1

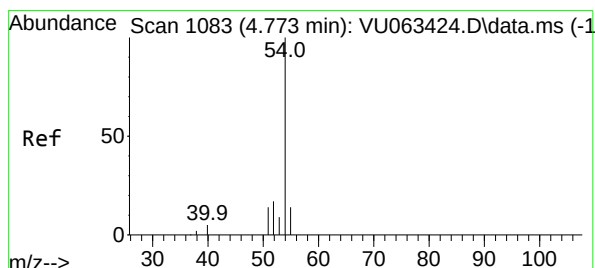
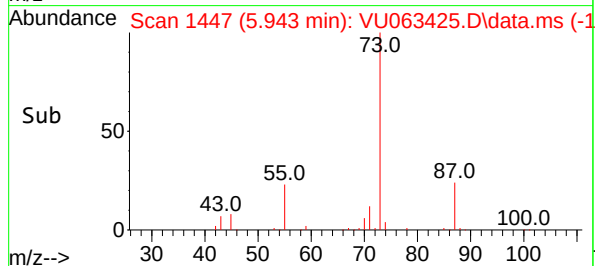
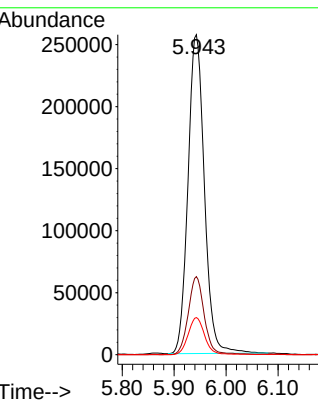
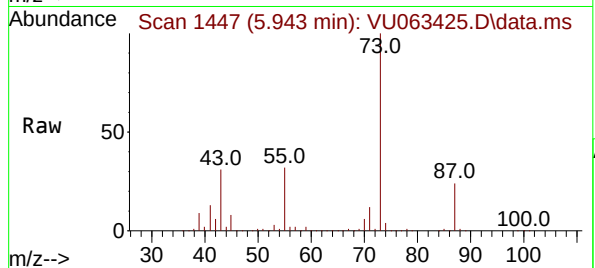
71 11.4 10.0 15.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#34

Propionitrile

Concen: 71.011 ug/l

RT: 4.772 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Tgt Ion: 54 Resp: 120791

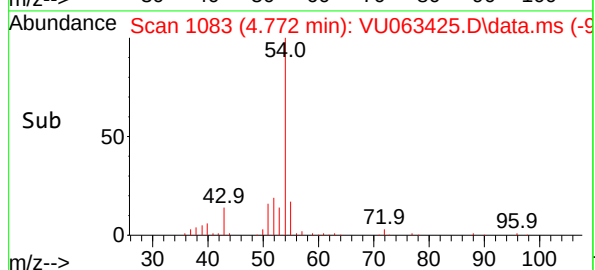
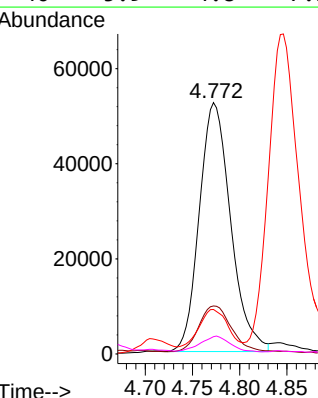
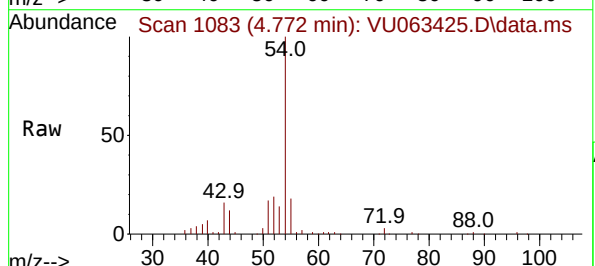
Ion Ratio Lower Upper

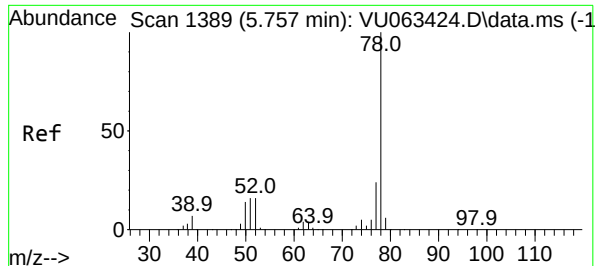
54 100

52 18.8 14.8 22.2

55 17.2 12.2 18.2

40 5.9 4.8 7.2





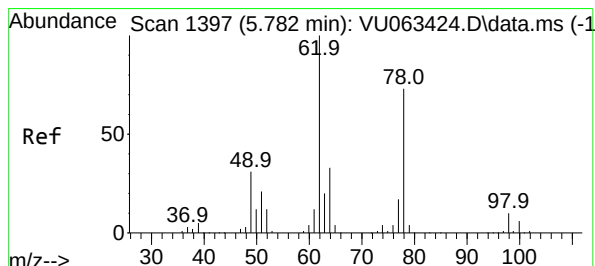
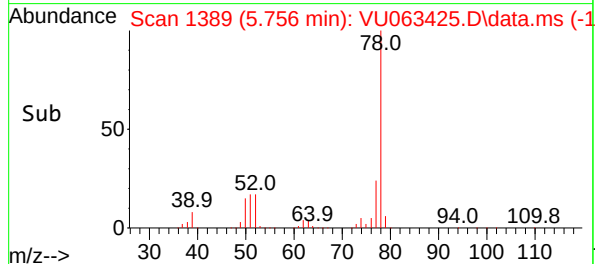
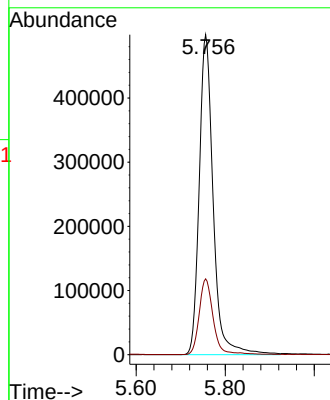
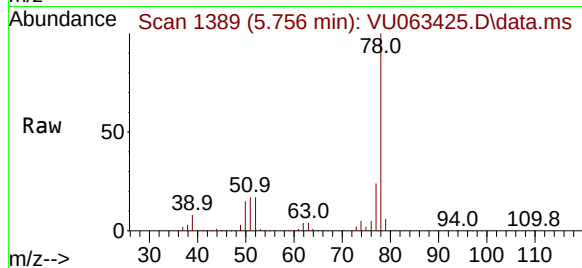
#35
Benzene
Concen: 14.970 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 78 Resp: 1083494
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.2

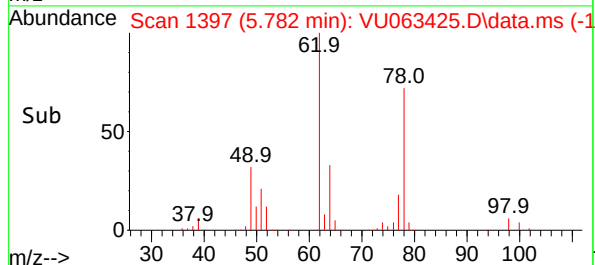
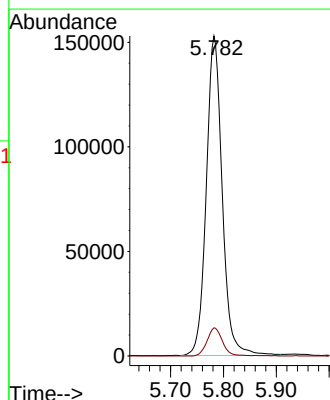
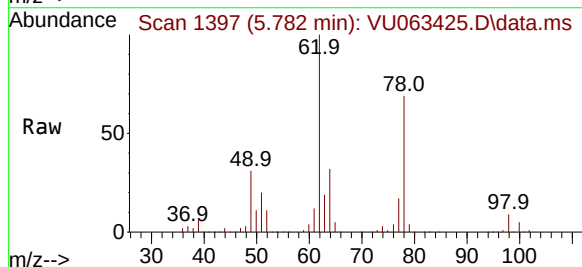
Manual Integrations
APPROVED

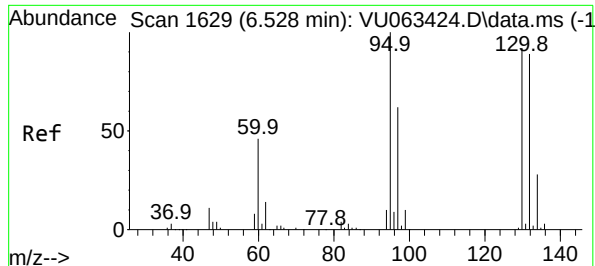
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 15.139 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

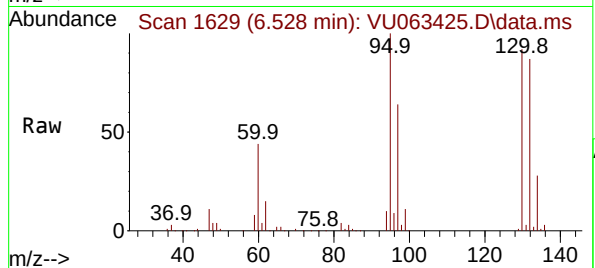
Tgt Ion: 62 Resp: 320302
Ion Ratio Lower Upper
62 100
98 8.5 7.1 10.7





#37
Trichloroethene
Concen: 15.488 ug/l
RT: 6.528 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

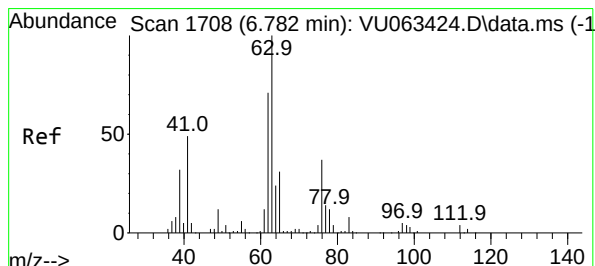
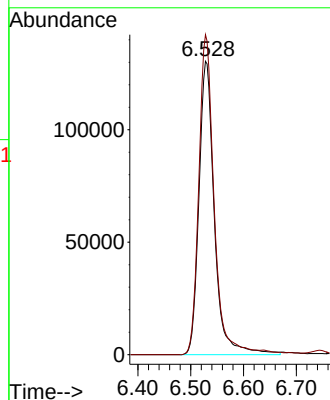
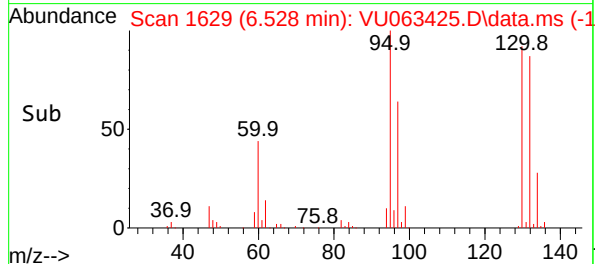
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



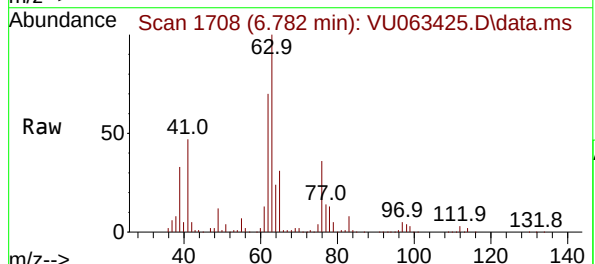
Tgt Ion:130 Resp: 264898
Ion Ratio Lower Upper
130 100
95 109.1 87.2 130.8

Manual Integrations
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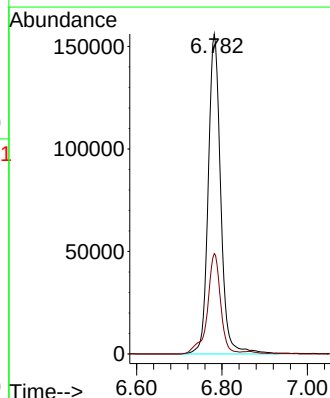
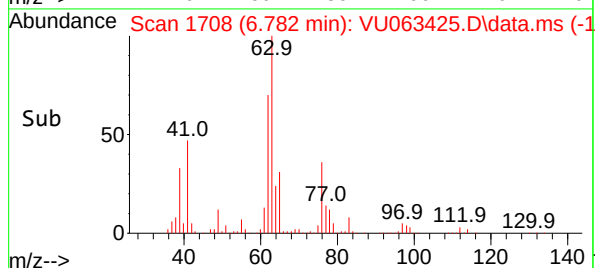
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

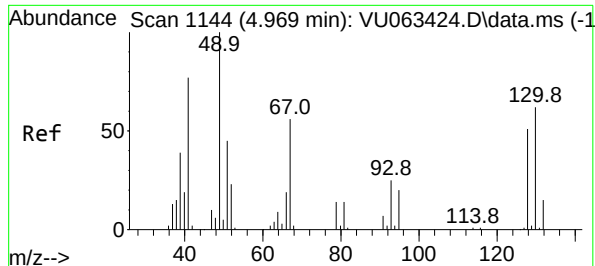


#38
1,2-Dichloropropane
Concen: 15.828 ug/l
RT: 6.782 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05



Tgt Ion: 63 Resp: 316392
Ion Ratio Lower Upper
63 100
65 31.3 25.0 37.6





#39

Methacrylonitrile

Concen: 14.497 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 102600

Ion Ratio Lower Upper

41 100

67 73.7 59.8 89.8

39 50.4 40.7 61.1

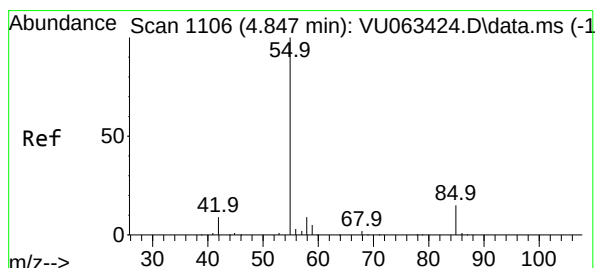
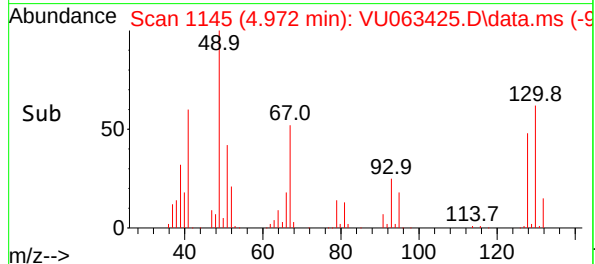
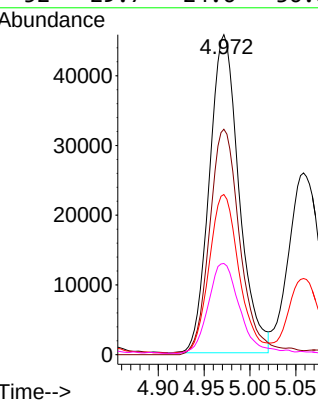
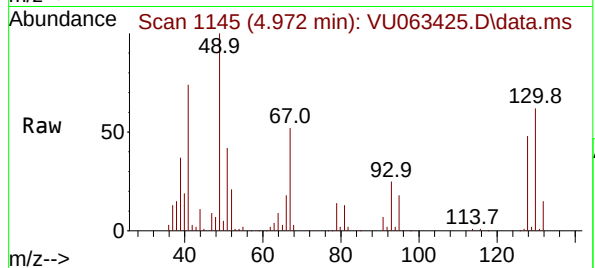
52 29.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 16.324 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Tgt Ion: 55 Resp: 162541

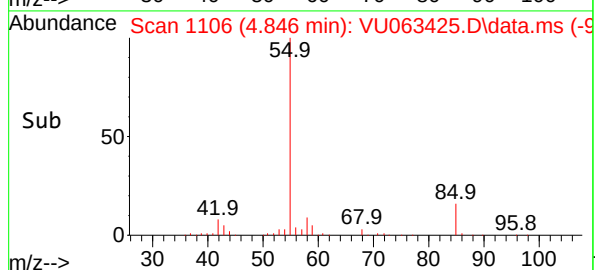
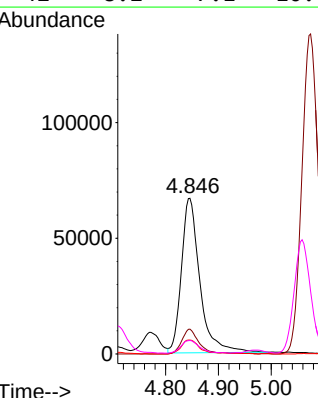
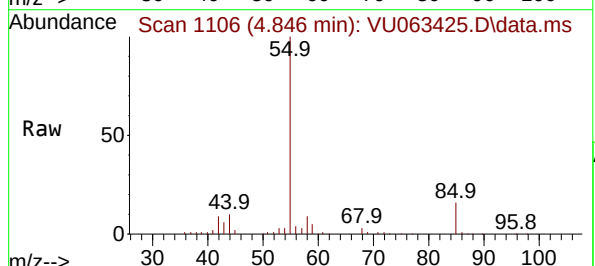
Ion Ratio Lower Upper

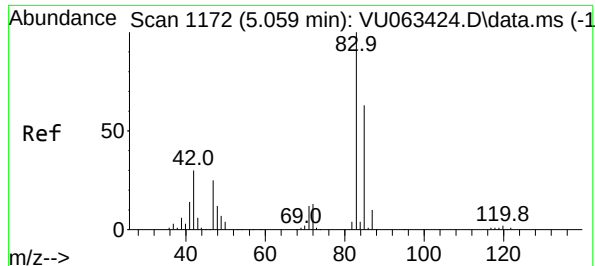
55 100

85 14.5 12.6 19.0

58 9.2 6.9 10.3

42 8.2 7.1 10.7





#41

Tetrahydrofuran

Concen: 28.267 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 107618

Ion Ratio Lower Upper

42 100

72 45.1 35.4 53.2

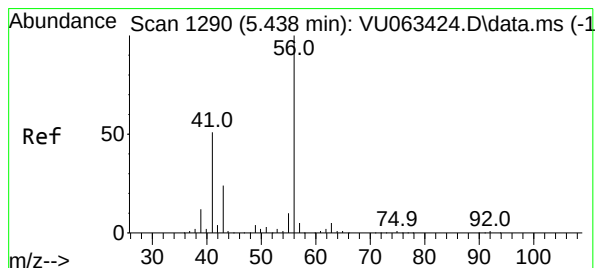
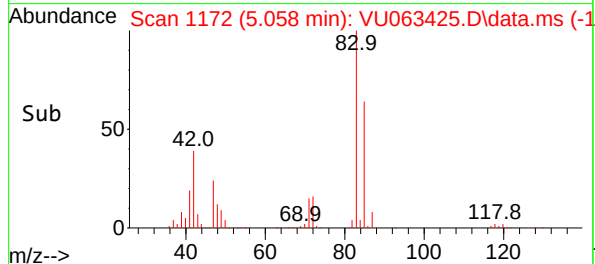
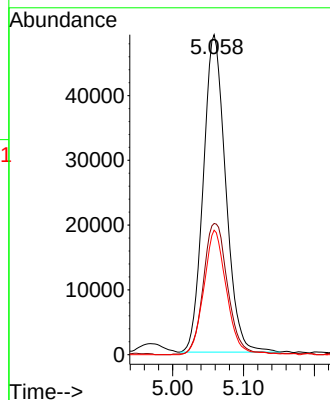
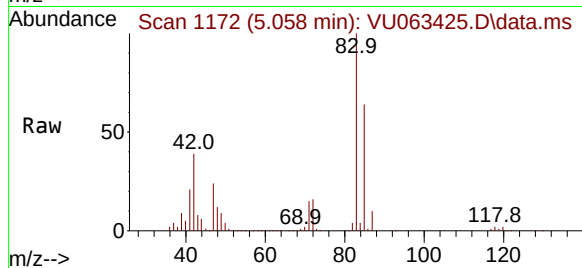
71 39.6 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 16.141 ug/l

RT: 5.441 min Scan# 1291

Delta R.T. 0.003 min

Lab File: VU063425.D

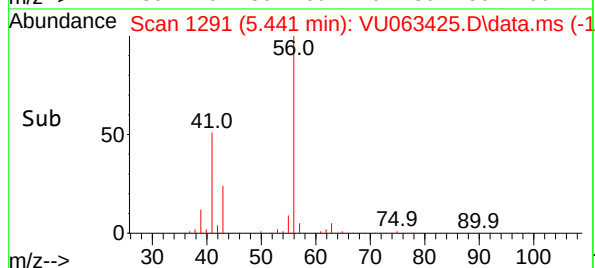
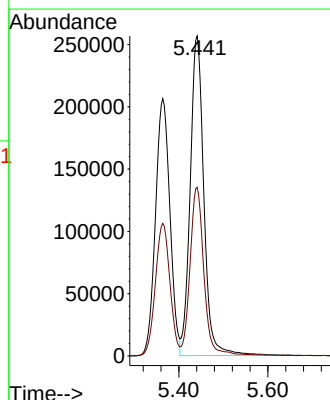
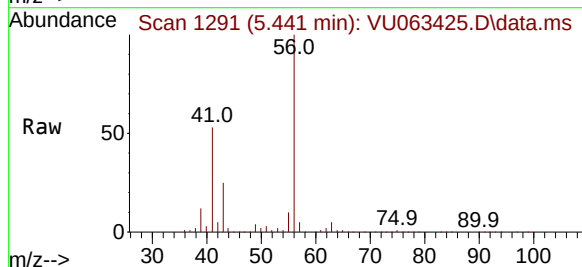
Acq: 23 Jun 2025 13:05

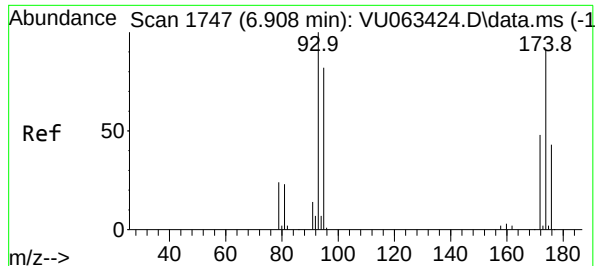
Tgt Ion: 56 Resp: 547855

Ion Ratio Lower Upper

56 100

41 52.6 26.4 79.0





#43

Dibromomethane

Concen: 15.348 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. -0.001 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 93 Resp: 143318

Ion Ratio Lower Upper

93 100

95 79.8 66.7 100.1

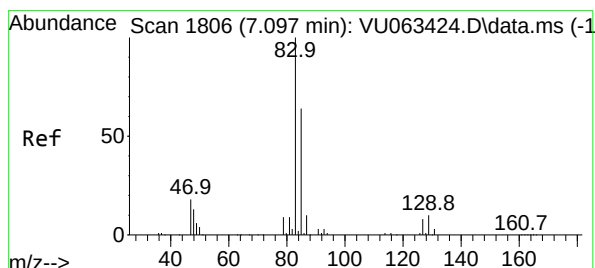
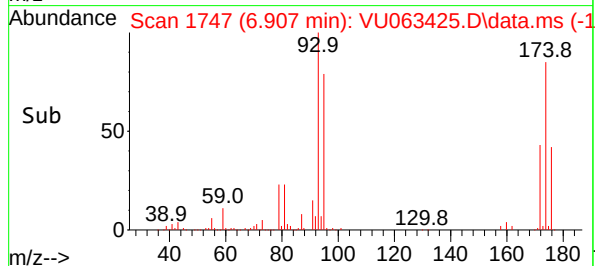
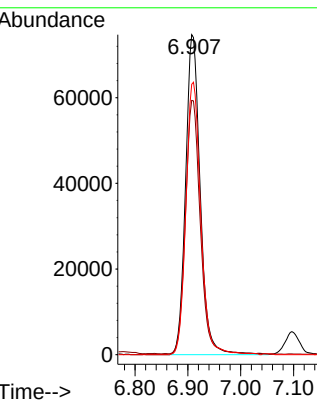
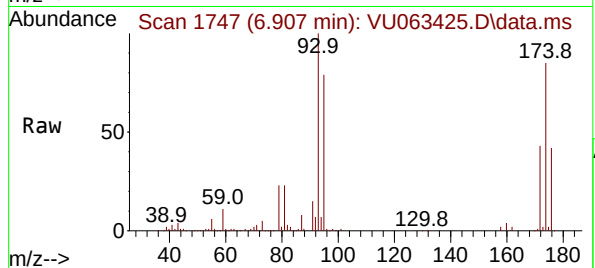
174 86.0 71.1 106.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 15.096 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

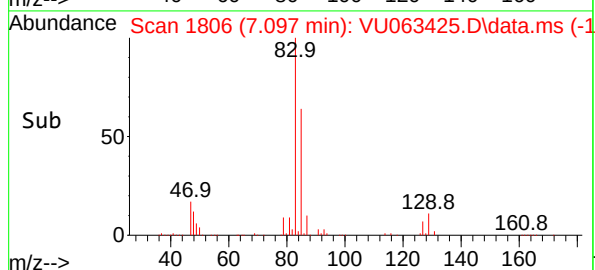
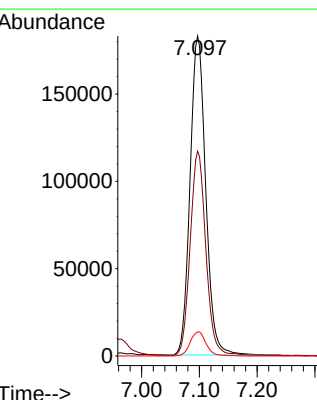
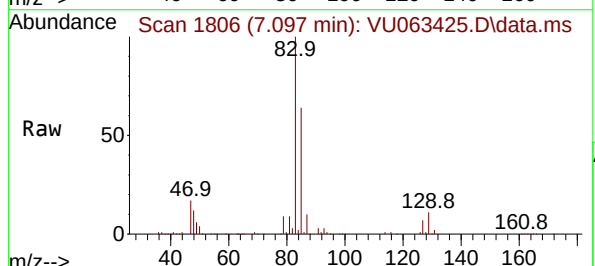
Tgt Ion: 83 Resp: 343381

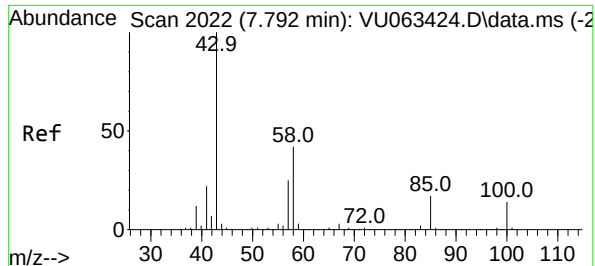
Ion Ratio Lower Upper

83 100

85 64.0 51.4 77.2

127 7.5 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 87.043 ug/l

RT: 7.795 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 87249

Ion Ratio Lower Upper

43 100

58 42.2 20.5 61.6

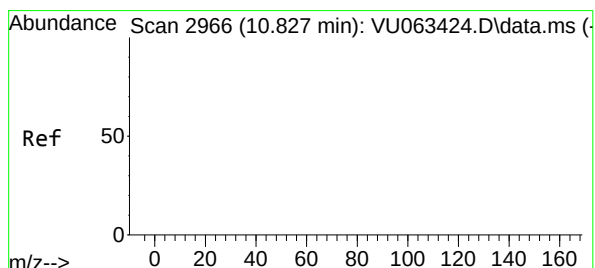
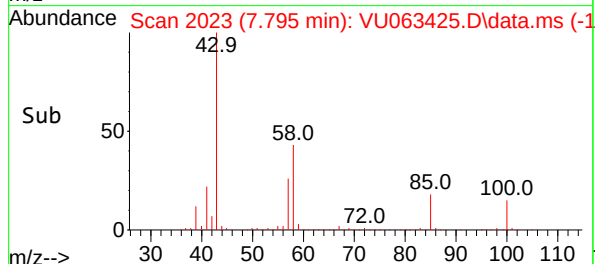
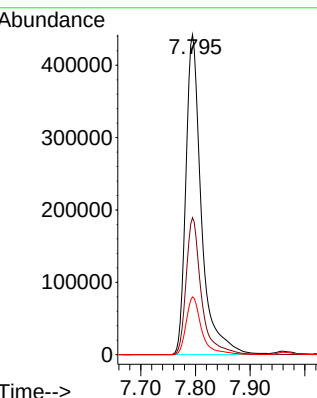
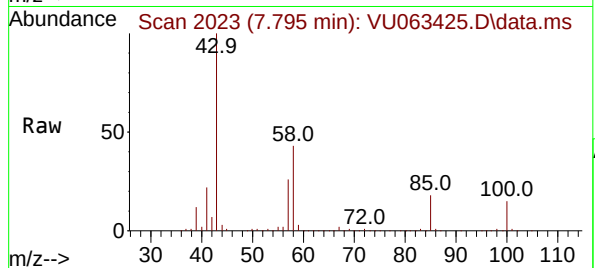
85 18.0 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 28.361 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Tgt Ion: 75 Resp: 90745

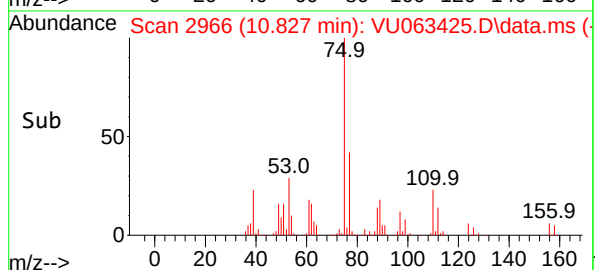
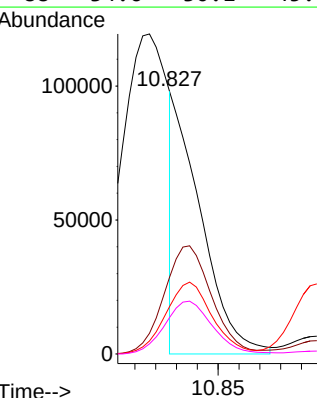
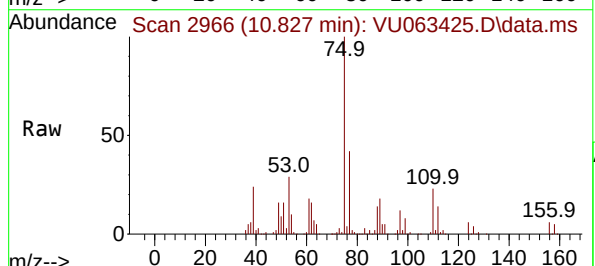
Ion Ratio Lower Upper

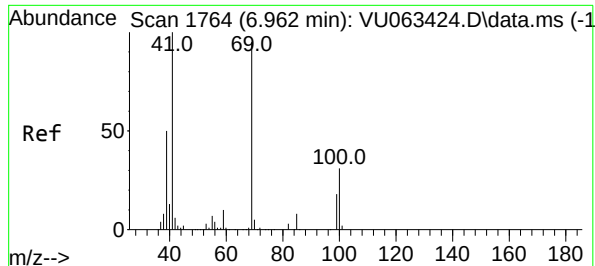
75 100

53 70.7 61.4 92.2

89 46.2 39.2 58.8

88 34.6 30.1 45.1





#47

Methyl methacrylate

Concen: 30.195 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 69 Resp: 272864

Ion Ratio Lower Upper

69 100

41 105.8 0.0 212.6

39 54.5 40.6 61.0

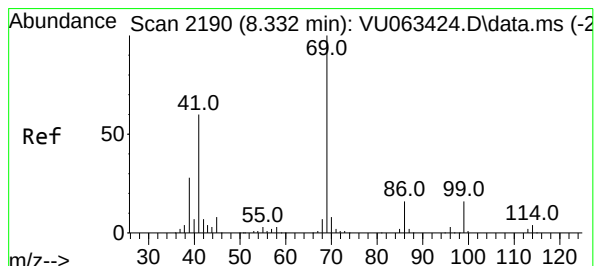
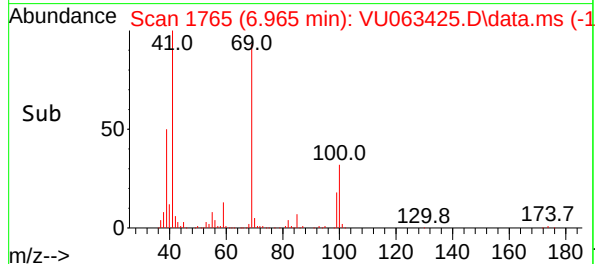
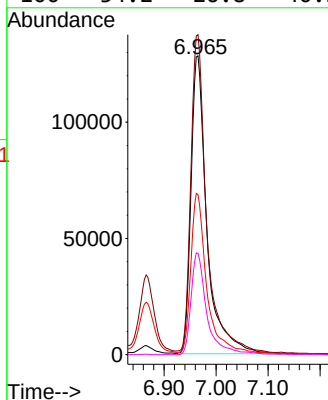
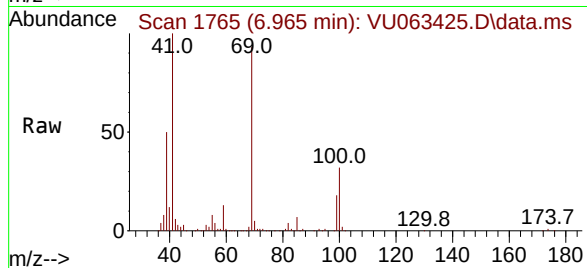
100 34.2 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 14.986 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VU063425.D

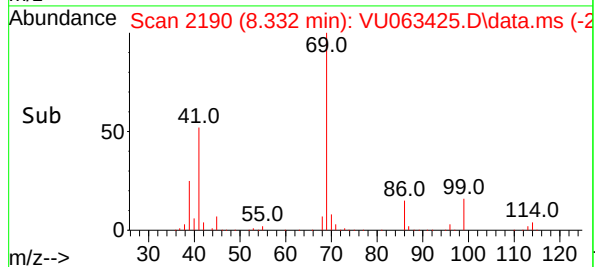
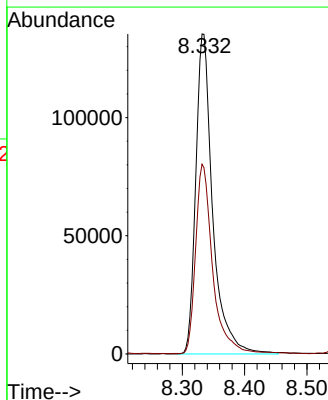
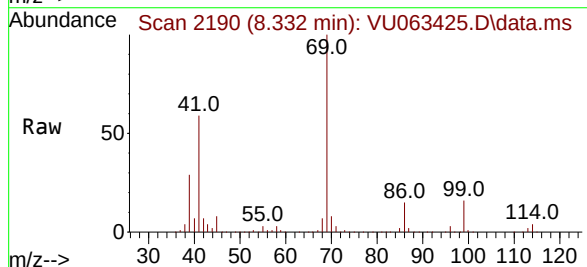
Acq: 23 Jun 2025 13:05

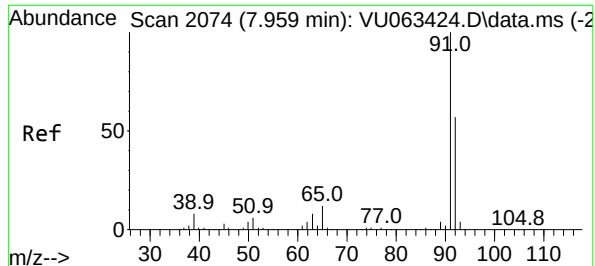
Tgt Ion: 69 Resp: 255214

Ion Ratio Lower Upper

69 100

41 59.6 30.6 92.0





#49

Toluene

Concen: 17.153 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 92 Resp: 681570

Ion Ratio Lower Upper

92 100

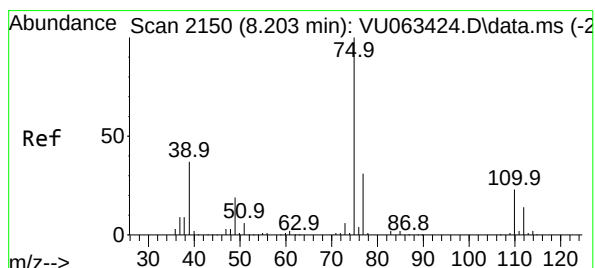
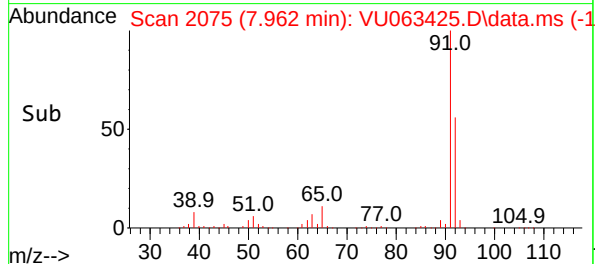
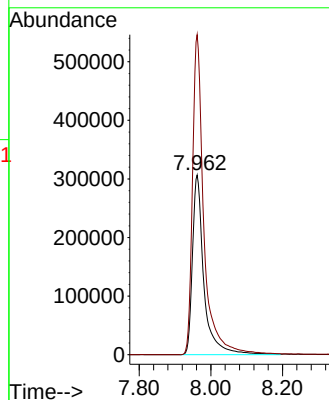
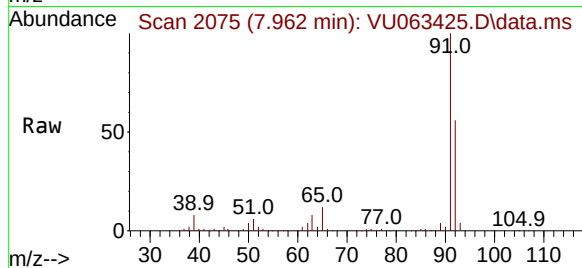
91 177.3 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 18.459 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU063425.D

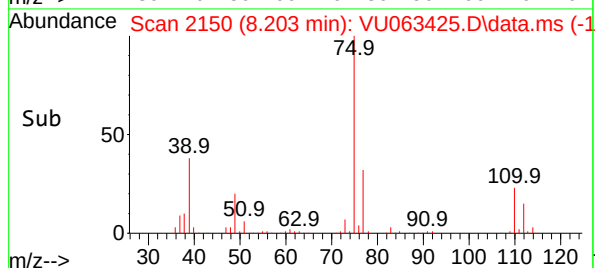
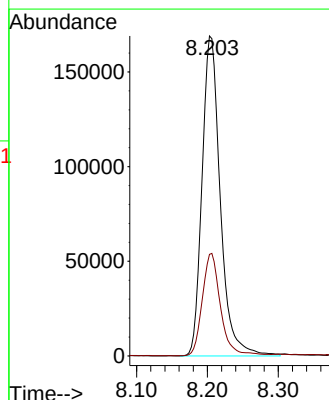
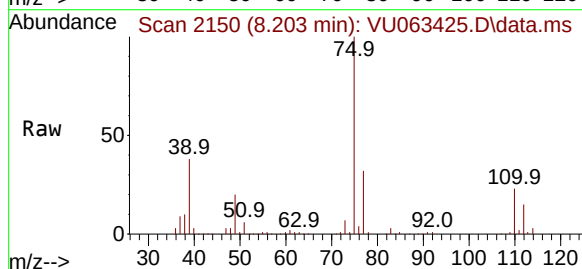
Acq: 23 Jun 2025 13:05

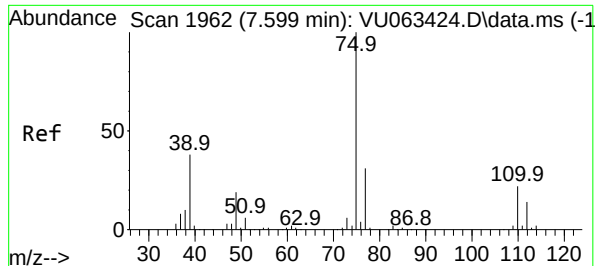
Tgt Ion: 75 Resp: 302780

Ion Ratio Lower Upper

75 100

77 31.6 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 17.841 ug/l

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 393078

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

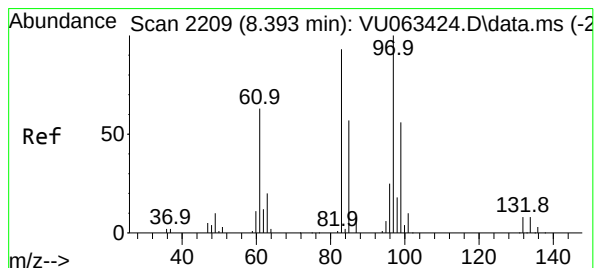
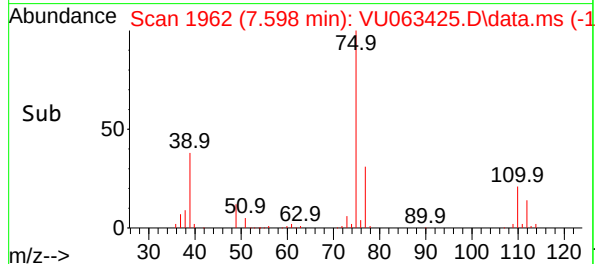
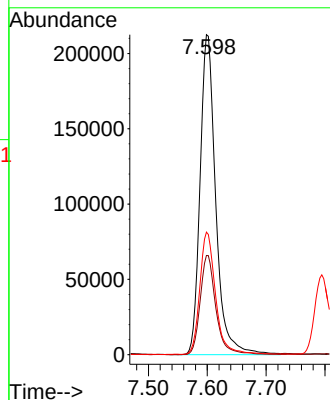
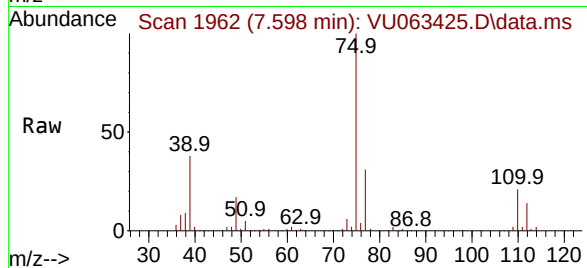
39 38.2 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 15.357 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Tgt Ion: 97 Resp: 209627

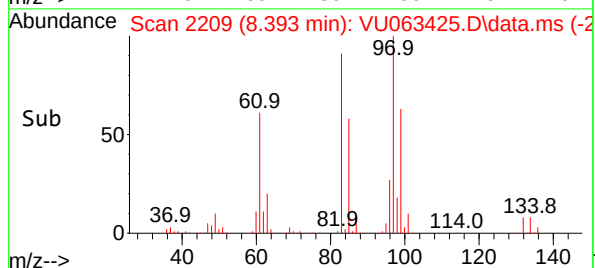
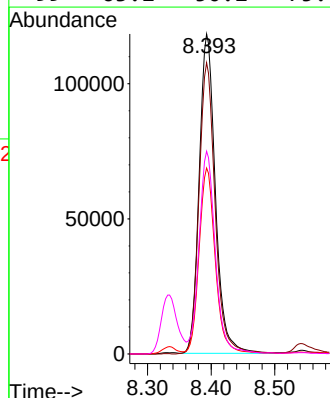
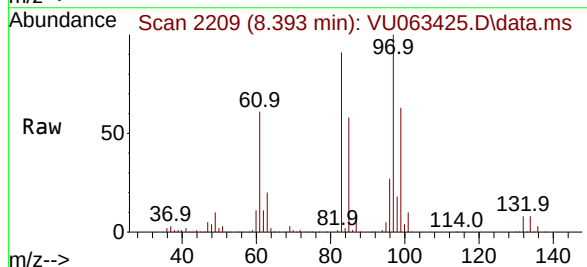
Ion Ratio Lower Upper

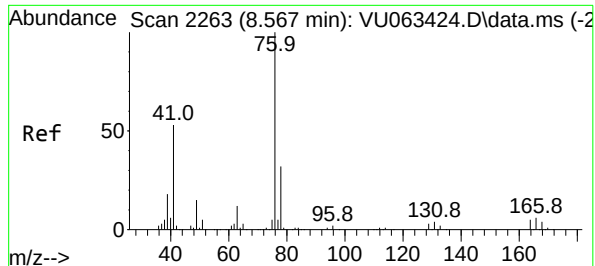
97 100

83 91.0 74.1 111.1

85 58.0 45.8 68.8

99 63.2 50.2 75.4





#53

1,3-Dichloropropane

Concen: 15.696 ug/l

RT: 8.569 min Scan# 2100

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 368628

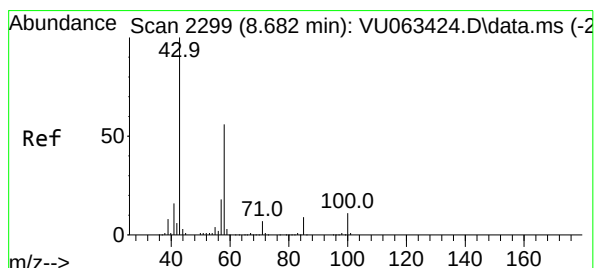
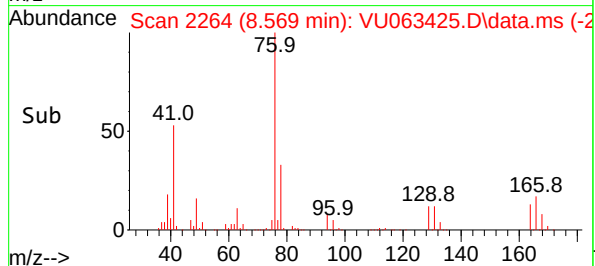
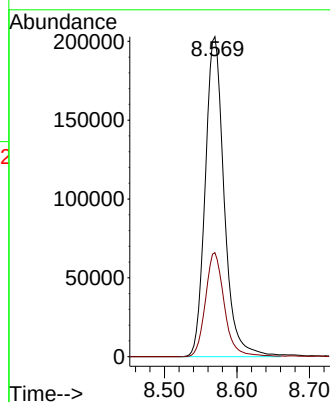
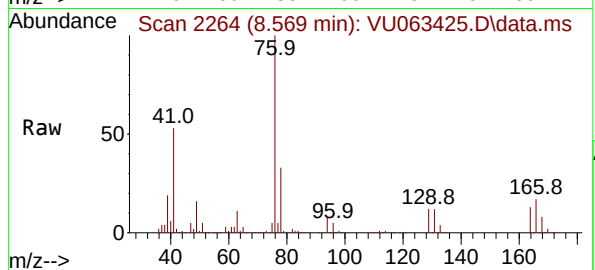
Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#54

2-Hexanone

Concen: 75.090 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

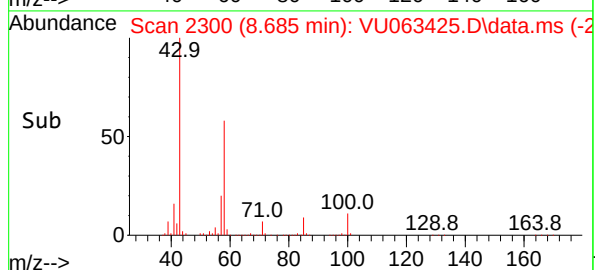
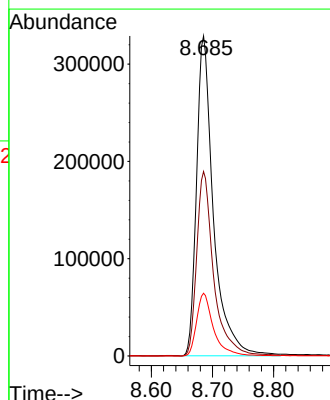
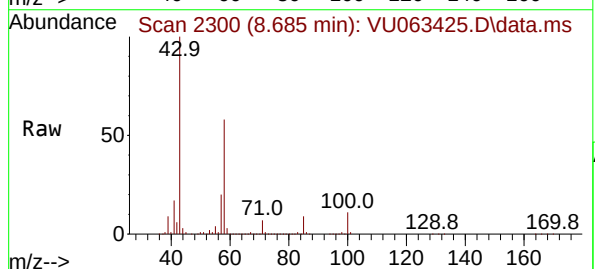
Tgt Ion: 43 Resp: 632599

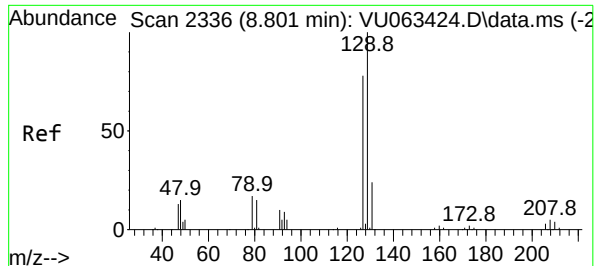
Ion Ratio Lower Upper

43 100

58 58.2 36.9 76.9

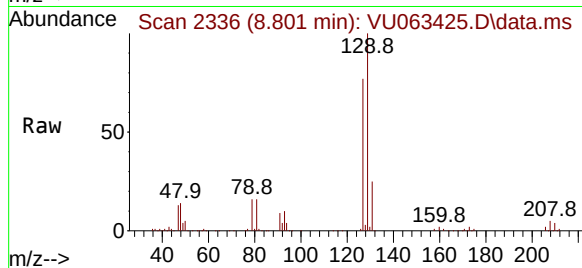
57 19.7 0.0 38.8





#55
Dibromochloromethane
Concen: 16.200 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

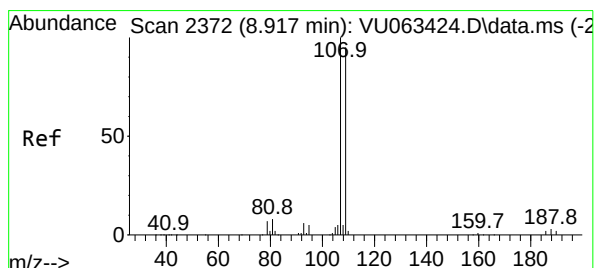
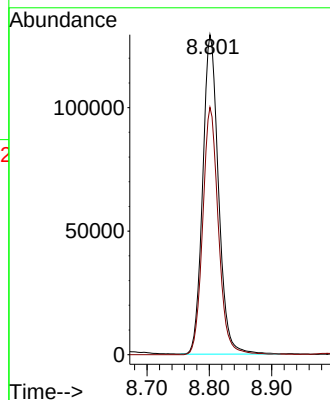
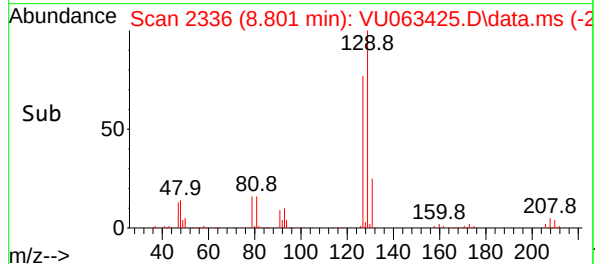
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



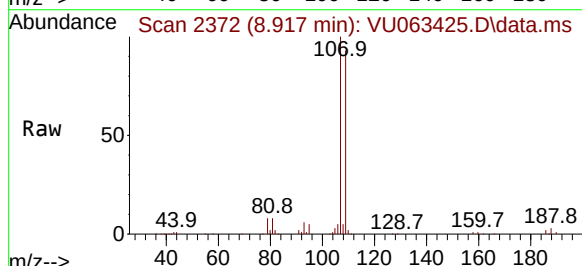
Tgt Ion:129 Resp: 228158
Ion Ratio Lower Upper
129 100
127 76.7 62.6 93.8

Manual Integrations
APPROVED

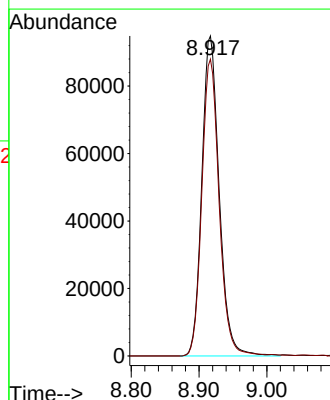
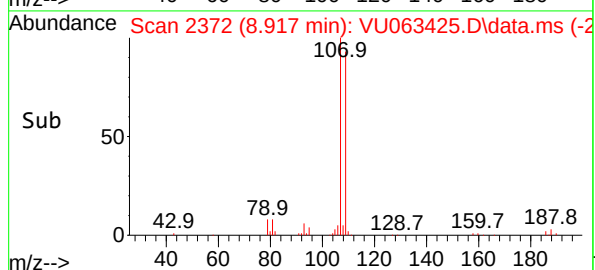
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

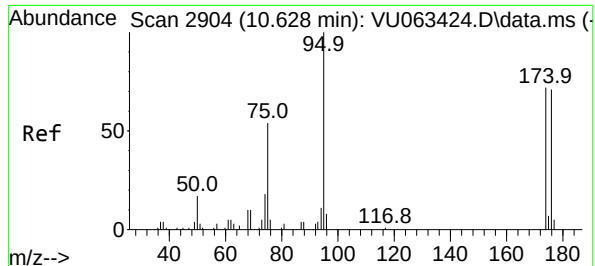


#56
1,2-Dibromoethane
Concen: 15.258 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05



Tgt Ion:107 Resp: 168843
Ion Ratio Lower Upper
107 100
109 92.4 0.0 188.0





#57

4-Bromofluorobenzene

Concen: 1.067 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. -0.001 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 95 Resp: 21764

Ion Ratio Lower Upper

95 100

174 76.1 59.4 89.2

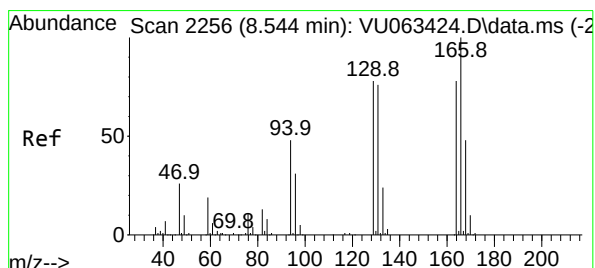
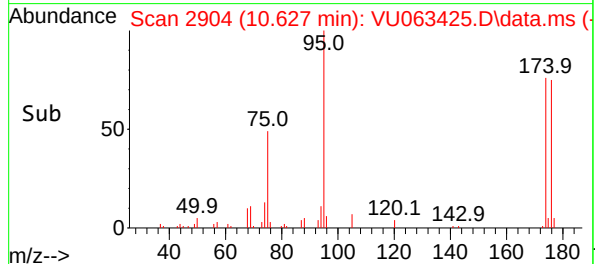
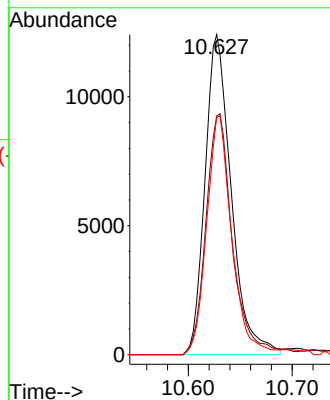
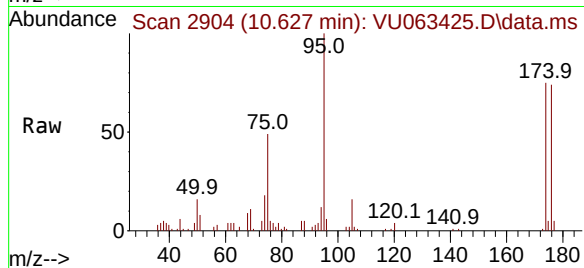
176 71.5 57.8 86.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#58

Tetrachloroethene

Concen: 15.920 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Tgt Ion:164 Resp: 267118

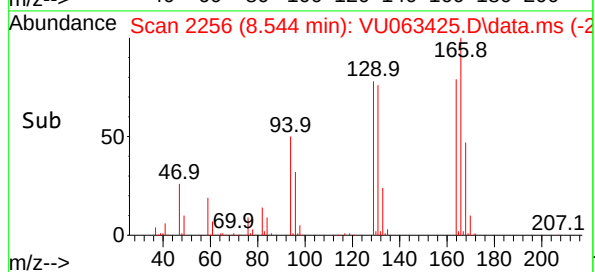
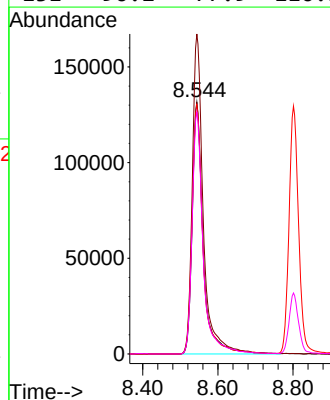
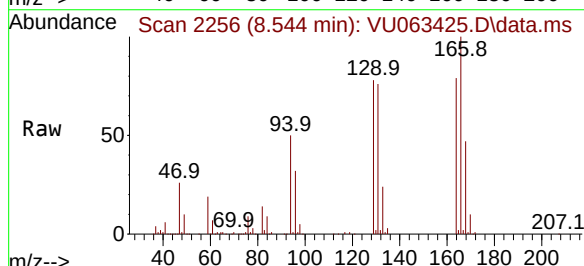
Ion Ratio Lower Upper

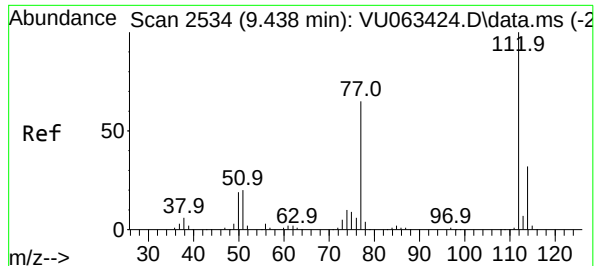
164 100

166 127.2 102.8 154.2

129 99.2 80.2 120.2

131 96.2 77.9 116.9





#59

Chlorobenzene

Concen: 16.367 ug/l

RT: 9.441 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:112 Resp: 69625

Ion Ratio Lower Upper

112 100

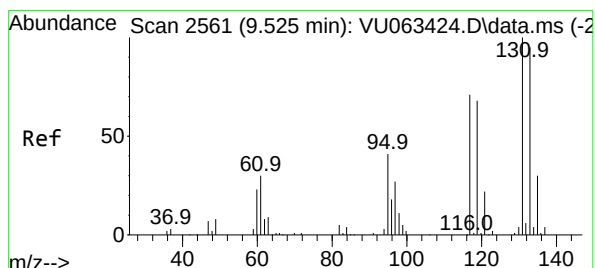
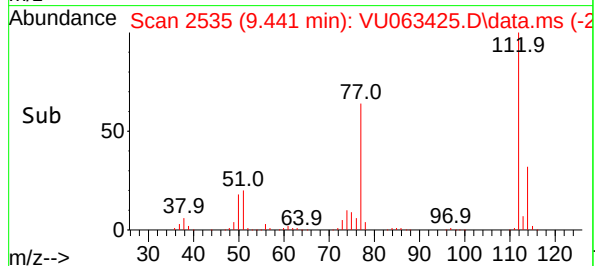
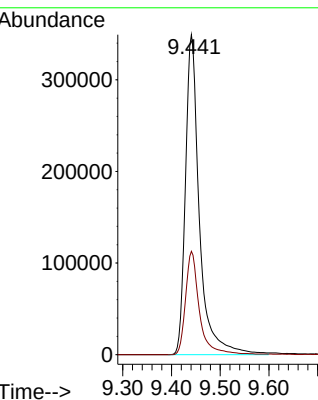
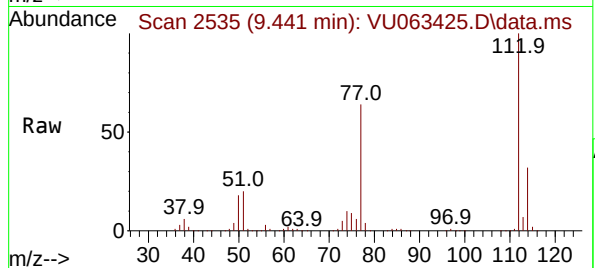
114 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 15.394 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

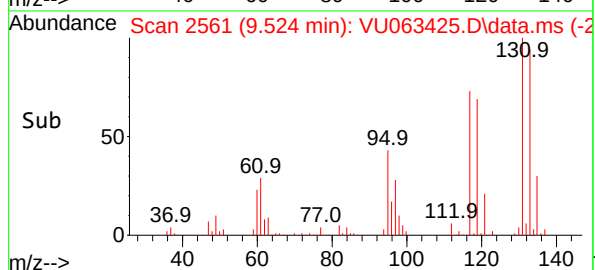
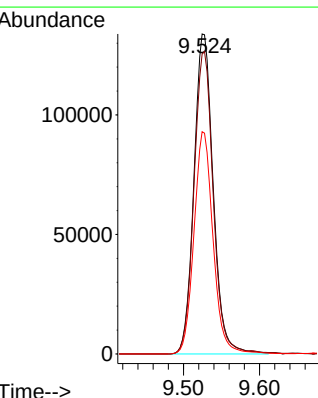
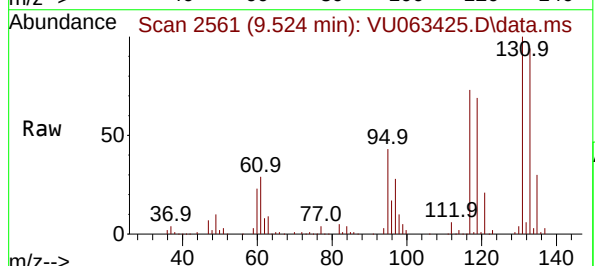
Tgt Ion:131 Resp: 235721

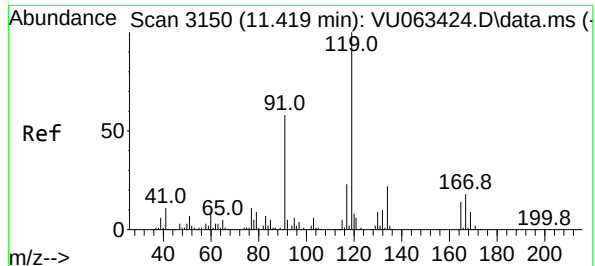
Ion Ratio Lower Upper

131 100

133 94.3 76.1 114.1

119 69.1 53.7 80.5





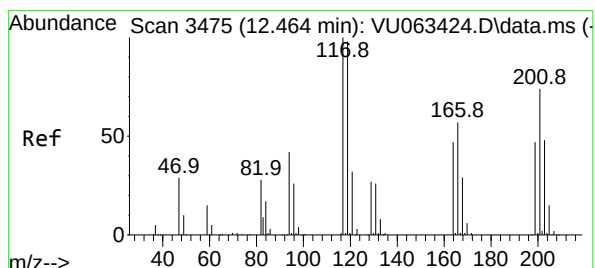
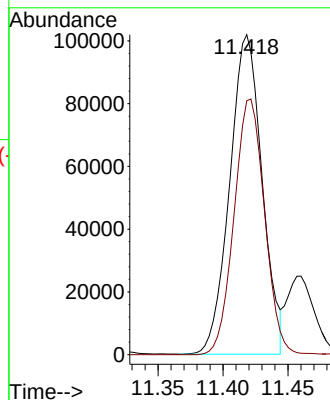
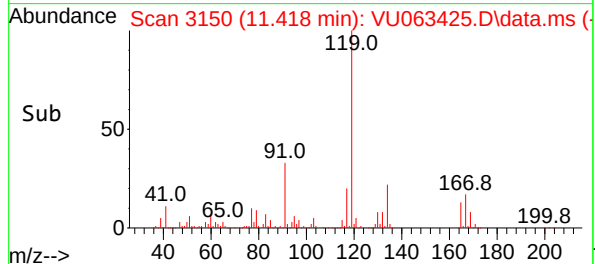
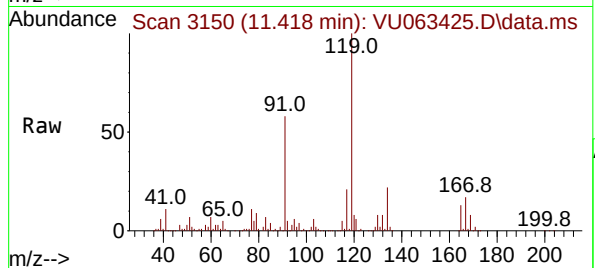
#61
Pentachloroethane
Concen: 14.158 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 176614
Ion Ratio Lower Upper
117 100
167 75.5 58.1 87.1

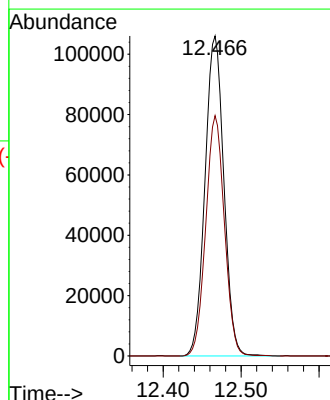
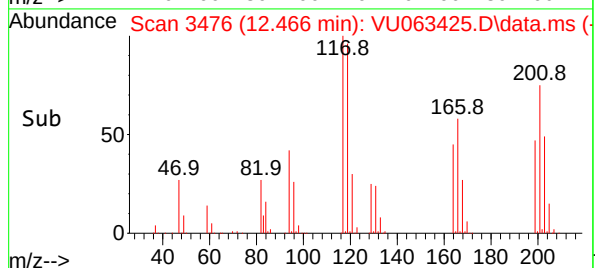
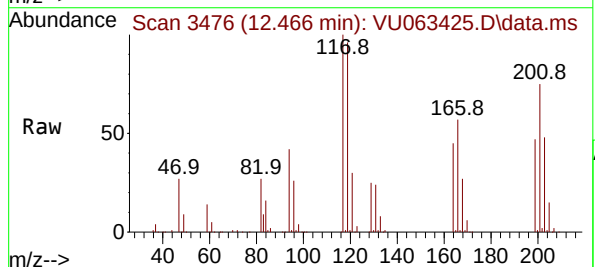
Manual Integrations
APPROVED

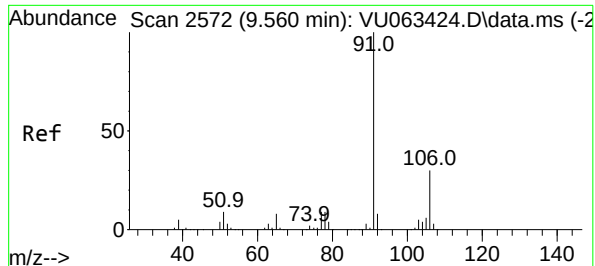
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 15.875 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion:117 Resp: 178100
Ion Ratio Lower Upper
117 100
201 74.4 60.4 90.6





#63

Ethyl Benzene

Concen: 18.287 ug/l

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 124710

Ion Ratio Lower Upper

91 100

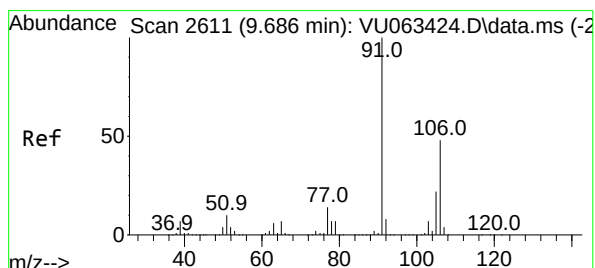
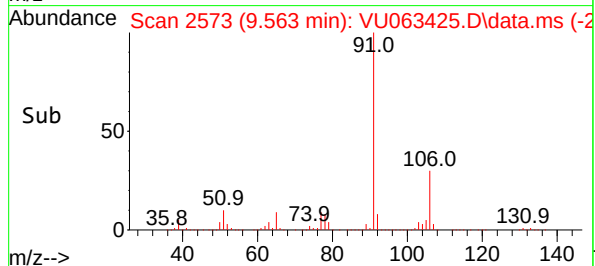
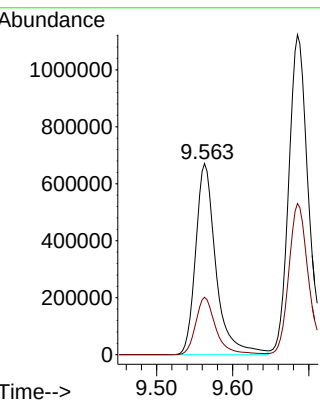
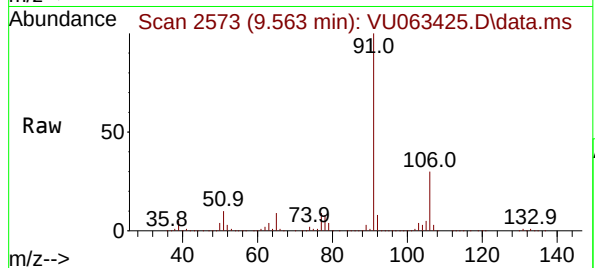
106 30.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#64

m/p-Xylenes

Concen: 29.979 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. -0.001 min

Lab File: VU063425.D

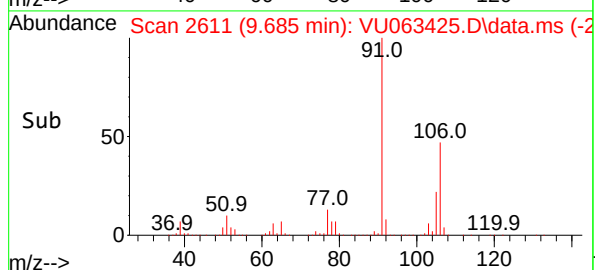
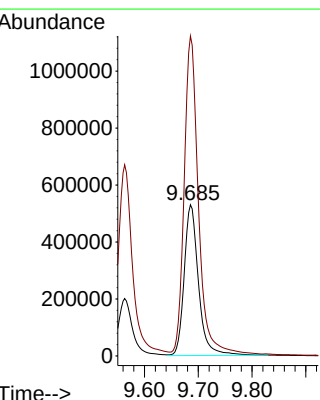
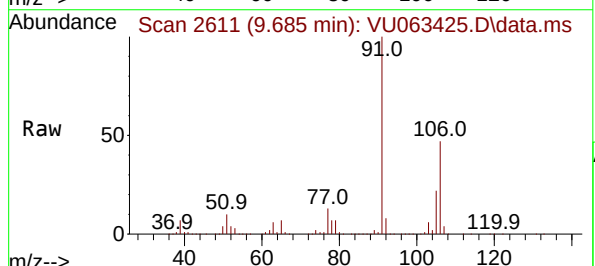
Acq: 23 Jun 2025 13:05

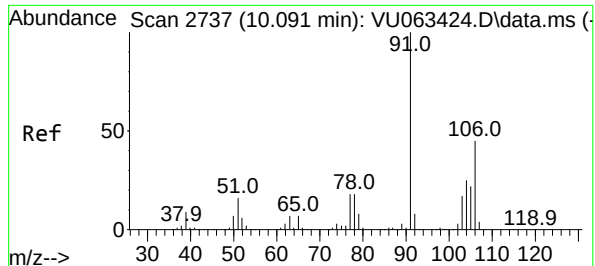
Tgt Ion:106 Resp: 979694

Ion Ratio Lower Upper

106 100

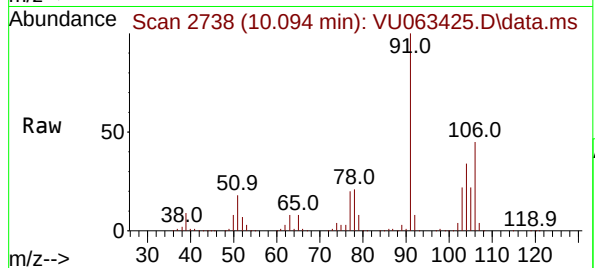
91 210.0 169.9 254.9





#65
o-Xylene
Concen: 17.872 ug/l
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

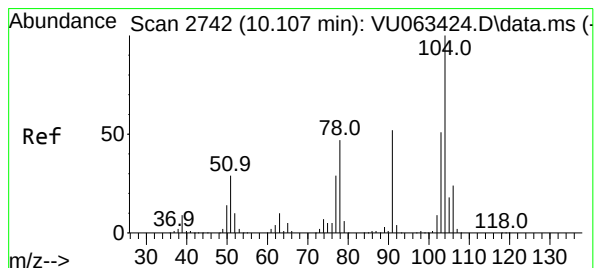
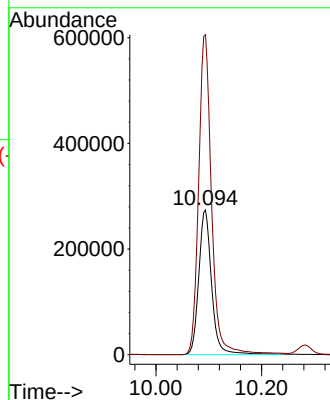
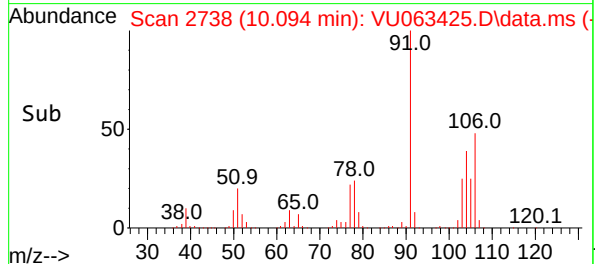
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



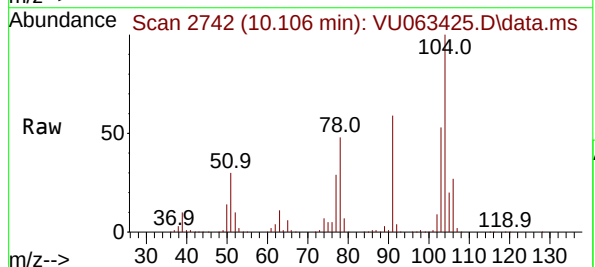
Tgt Ion:106 Resp: 46304
Ion Ratio Lower Upper
106 100
91 222.0 110.8 332.3

Manual Integrations
APPROVED

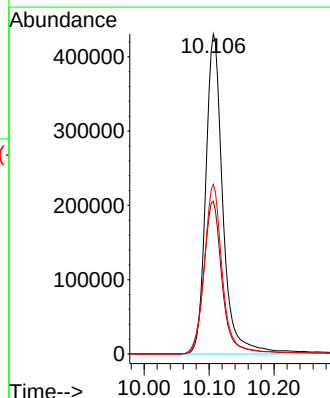
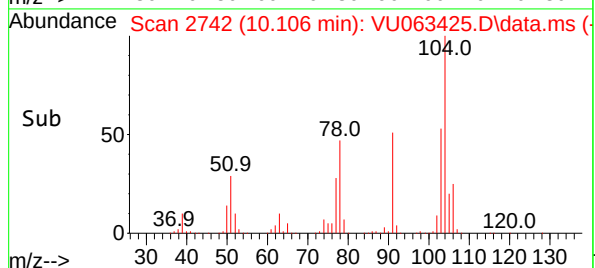
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

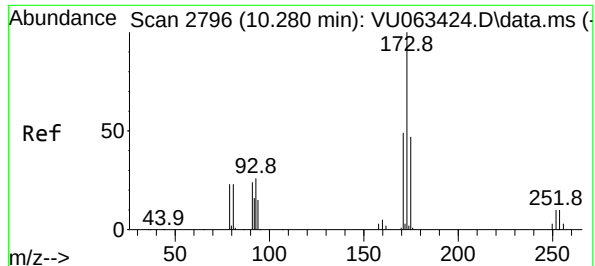


#66
Styrene
Concen: 14.979 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. -0.001 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05



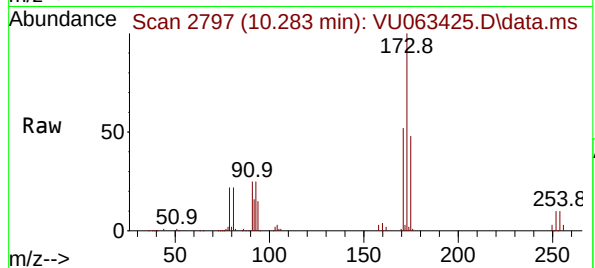
Tgt Ion:104 Resp: 786883
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 56.6 44.6 67.0





#67
Bromoform
Concen: 16.195 ug/l
RT: 10.283 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

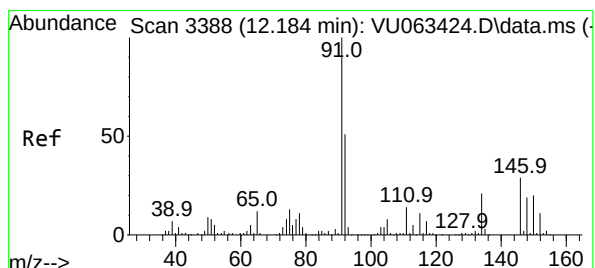
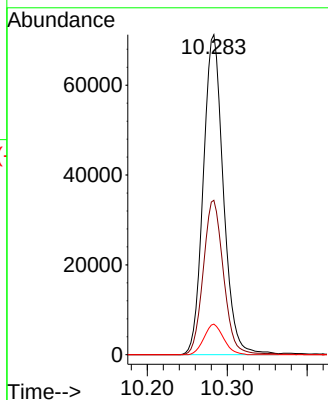
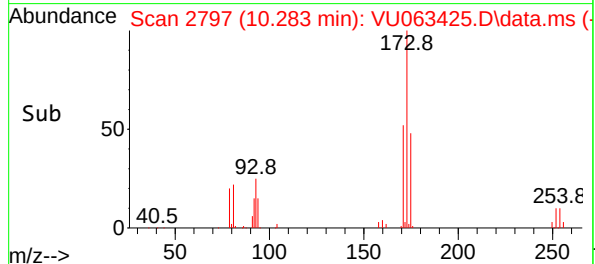
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



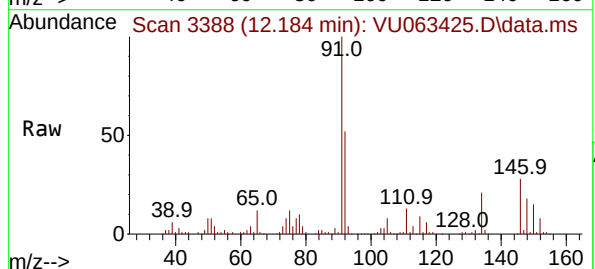
Tgt Ion:173 Resp: 124620
Ion Ratio Lower Upper
173 100
175 48.4 38.2 57.2
254 9.3 7.6 11.4

Manual Integrations
APPROVED

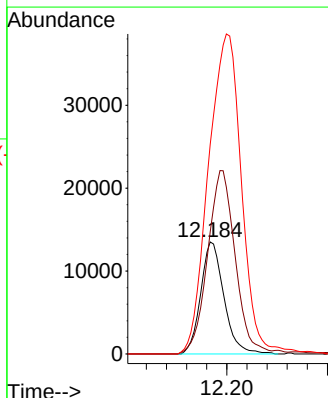
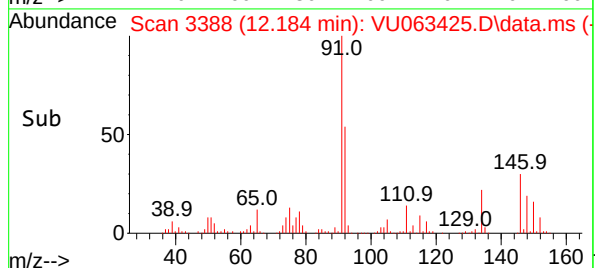
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

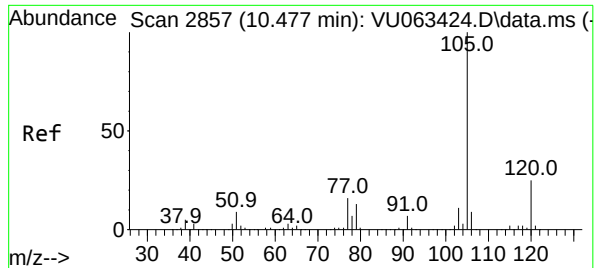


#68
1,2-Dichlorobenzene-d4
Concen: 1.057 ug/l
RT: 12.184 min Scan# 3388
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05



Tgt Ion:152 Resp: 21650
Ion Ratio Lower Upper
152 100
115 193.7 0.0 327.6
150 405.9 0.0 664.4





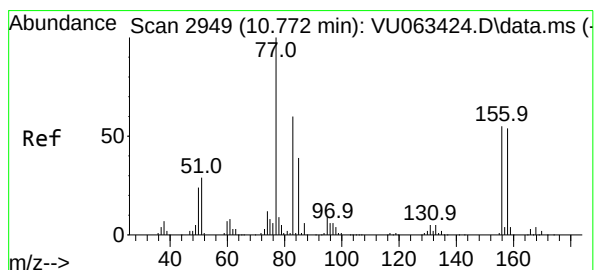
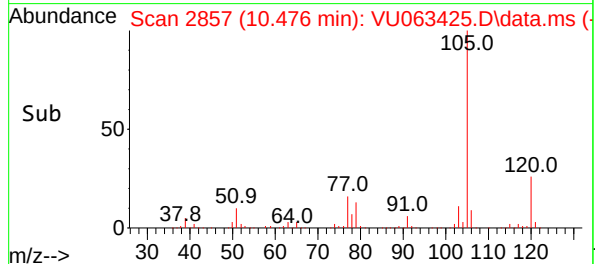
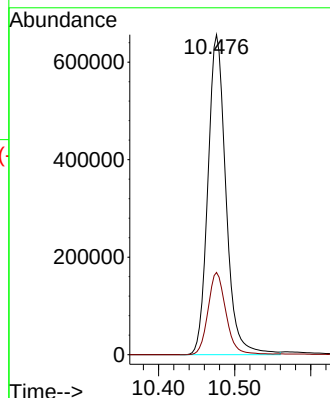
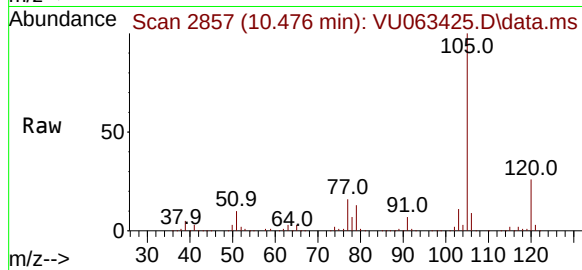
#69
Isopropylbenzene
Concen: 18.016 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:105 Resp: 108133
Ion Ratio Lower Upper
105 100
120 25.6 12.7 38.1

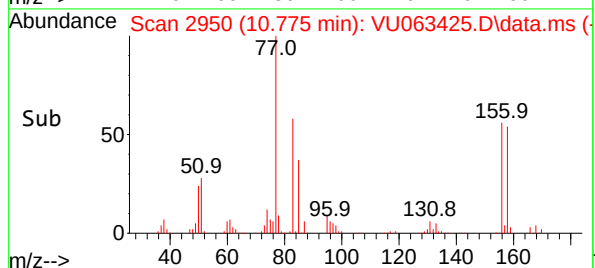
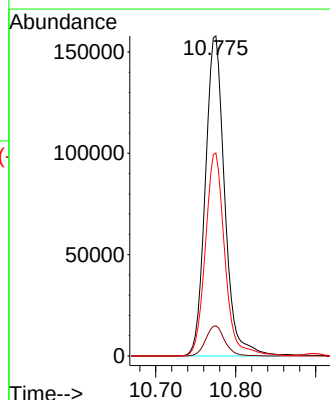
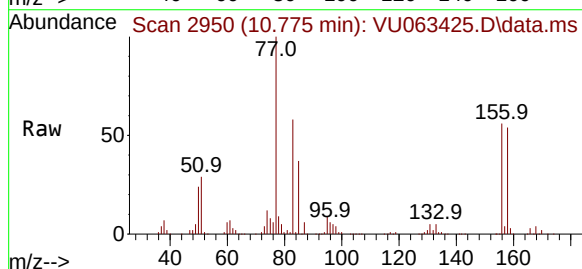
Manual Integrations
APPROVED

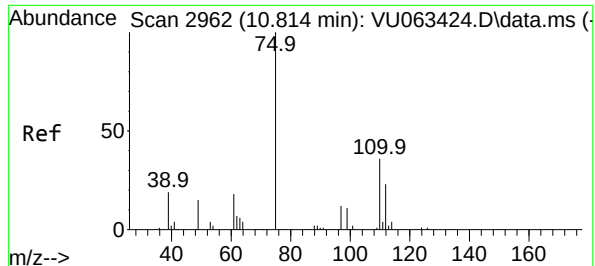
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 15.218 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

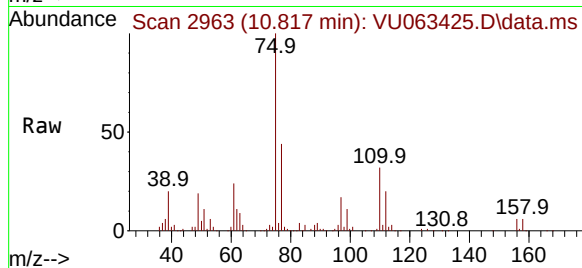
Tgt Ion: 83 Resp: 265725
Ion Ratio Lower Upper
83 100
131 9.3 7.4 11.0
85 63.9 51.3 76.9





#71
1,2,3-Trichloropropane
Concen: 15.599 ug/l m
RT: 10.817 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

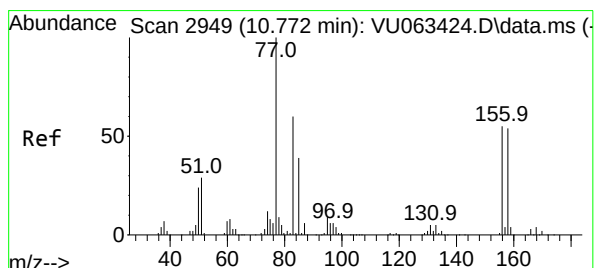
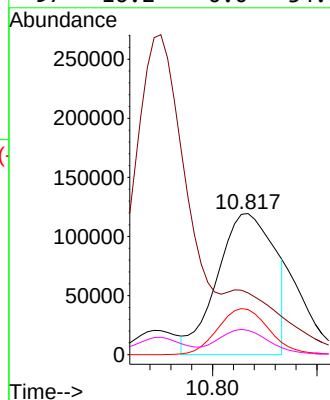
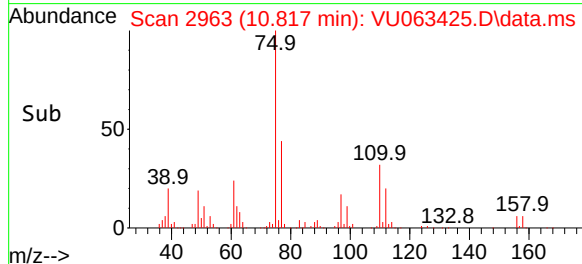
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



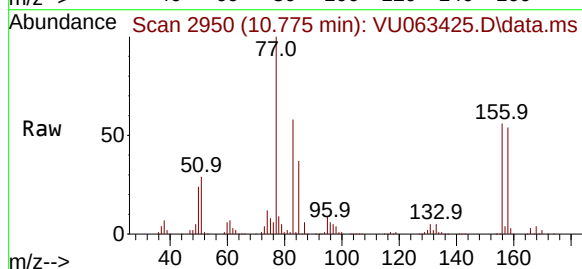
Tgt Ion: 75 Resp: 22664
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 29.8 0.0 63.4
97 16.2 0.0 34.0

Manual Integrations
APPROVED

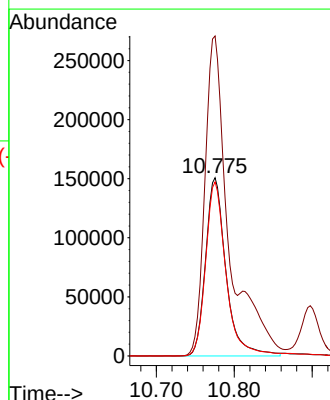
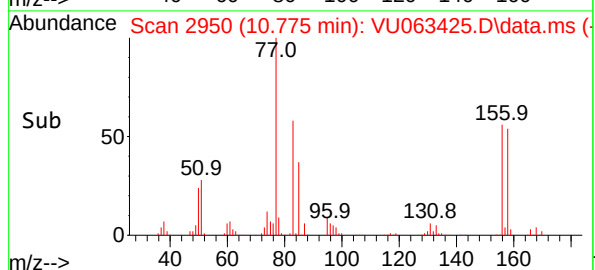
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

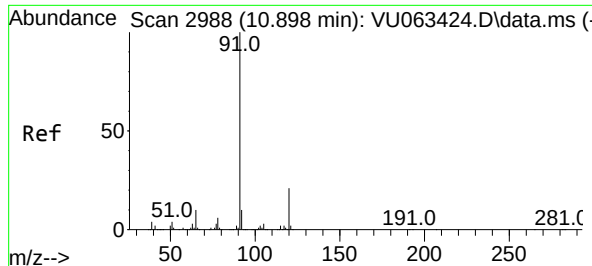


#72
Bromobenzene
Concen: 16.328 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05



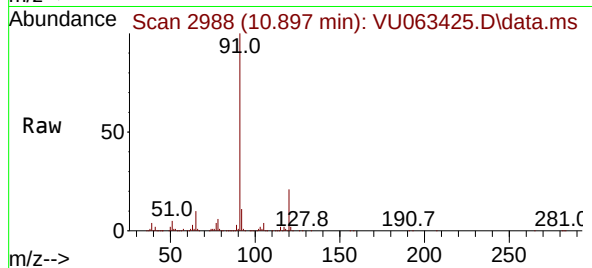
Tgt Ion:156 Resp: 275102
Ion Ratio Lower Upper
156 100
77 173.6 0.0 416.2
158 98.6 0.0 190.6





#73
n-propylbenzene
Concen: 15.024 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. -0.001 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

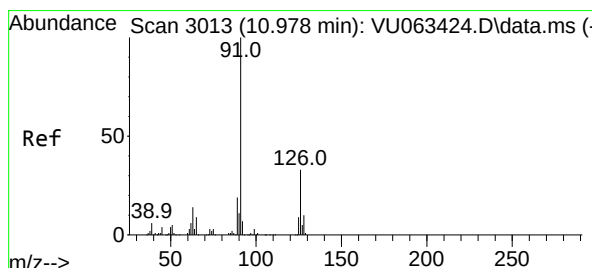
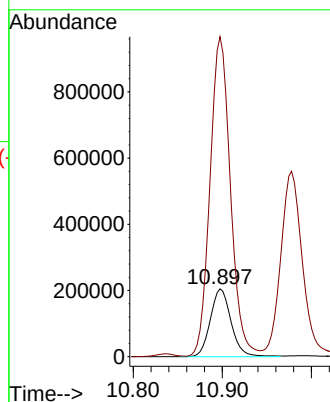
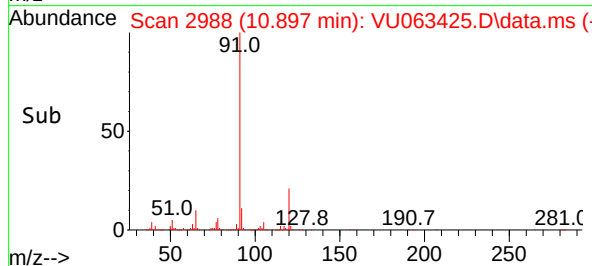
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



Tgt Ion:120 Resp: 331125
Ion Ratio Lower Upper
120 100
91 463.3 373.7 560.5

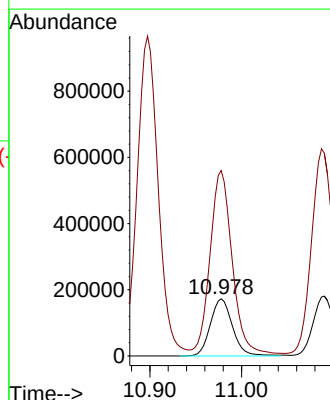
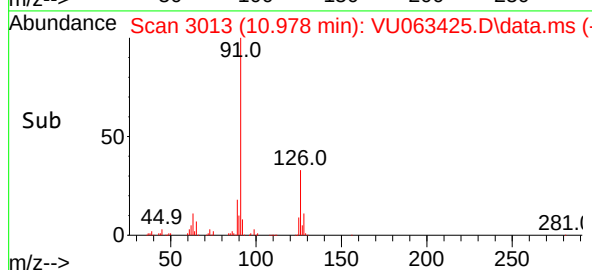
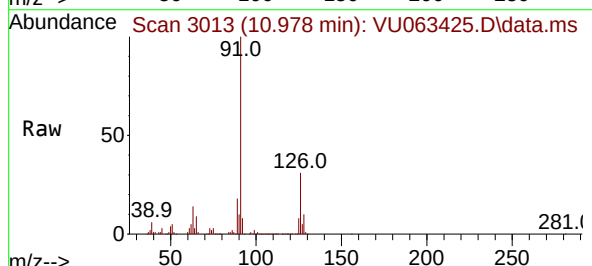
Manual Integrations
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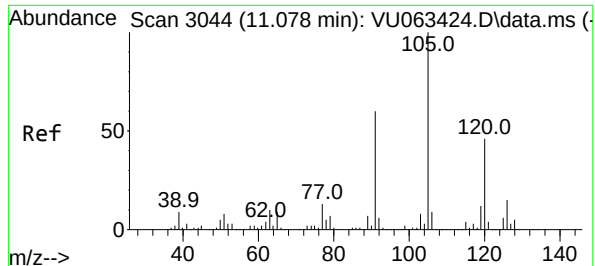
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 17.342 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion:126 Resp: 288819
Ion Ratio Lower Upper
126 100
91 324.0 0.0 650.8





#75

1,3,5-Trimethylbenzene

Concen: 14.923 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 108002

Ion Ratio Lower Upper

105 100

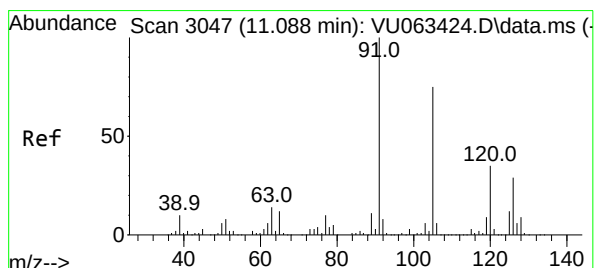
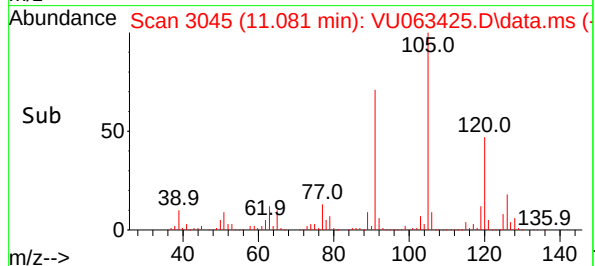
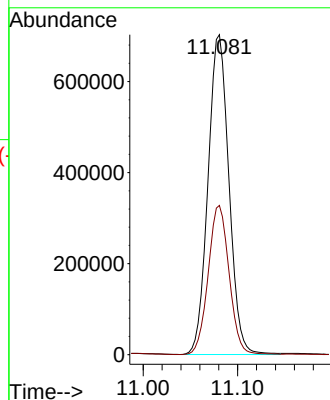
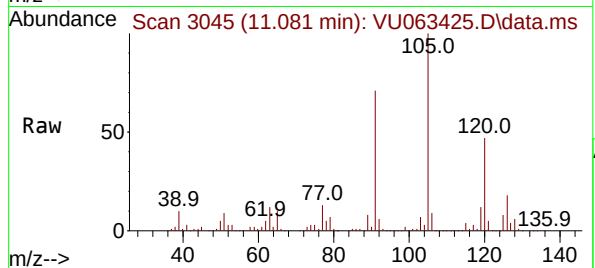
120 46.6 37.0 55.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#76

4-Chlorotoluene

Concen: 17.541 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VU063425.D

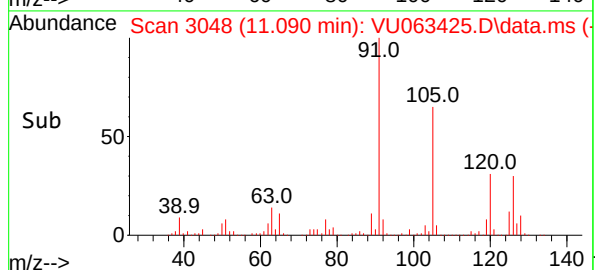
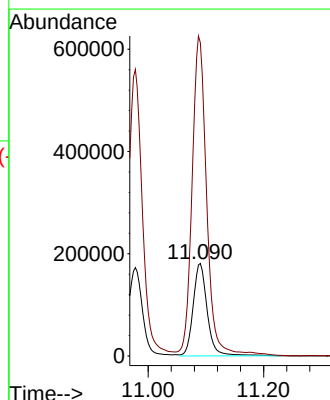
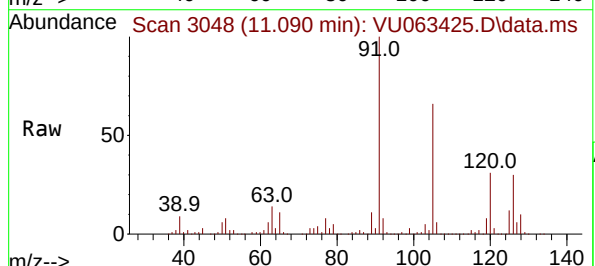
Acq: 23 Jun 2025 13:05

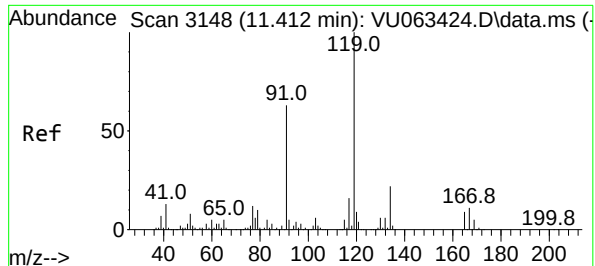
Tgt Ion:126 Resp: 306016

Ion Ratio Lower Upper

126 100

91 341.4 0.0 713.2





#77

tert-Butylbenzene

Concen: 17.535 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 96703

Ion Ratio Lower Upper

119 100

91 62.3 30.9 92.7

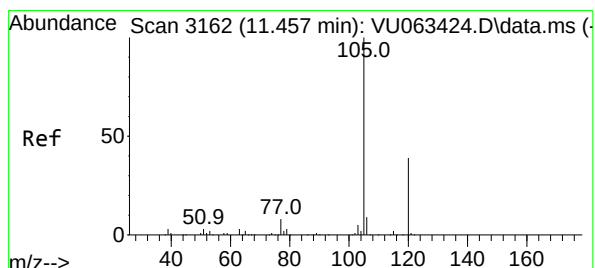
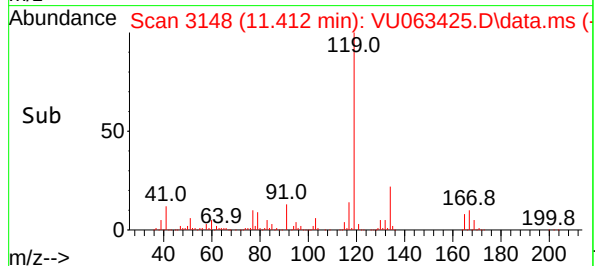
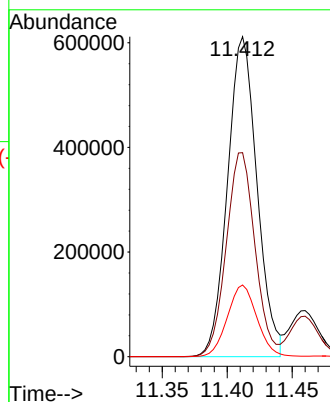
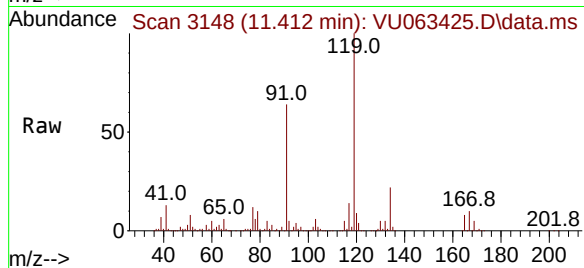
134 22.5 17.9 26.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 15.016 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063425.D

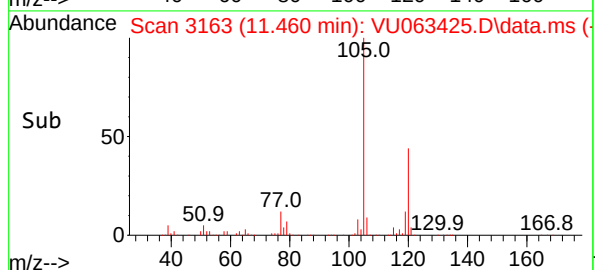
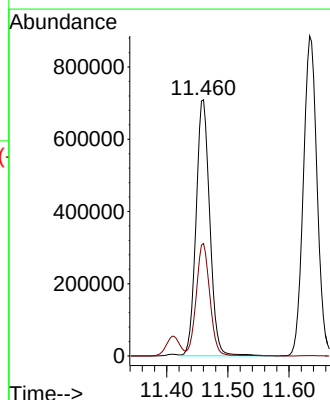
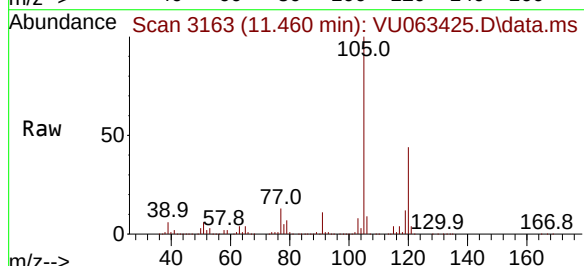
Acq: 23 Jun 2025 13:05

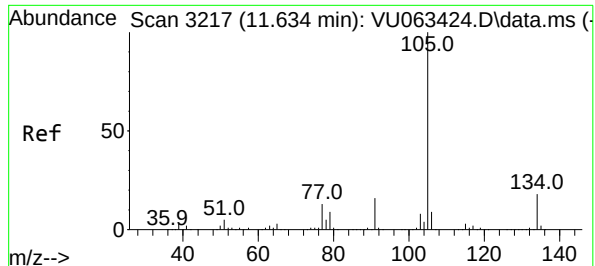
Tgt Ion:105 Resp: 1106183

Ion Ratio Lower Upper

105 100

120 42.8 22.1 66.5





#79

sec-Butylbenzene

Concen: 17.816 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 139152

Ion Ratio Lower Upper

105 100

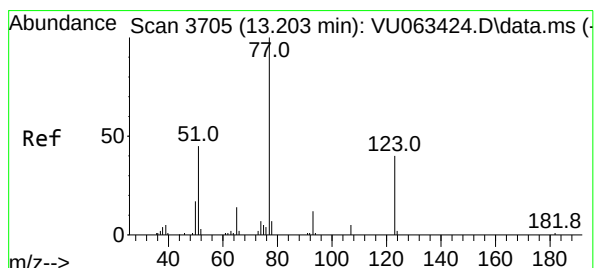
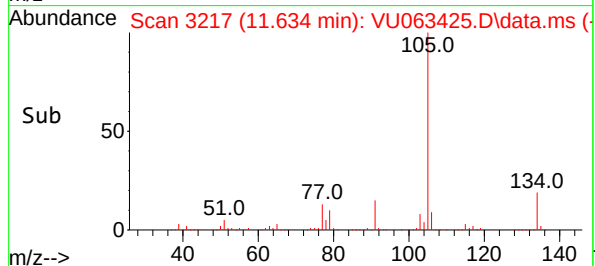
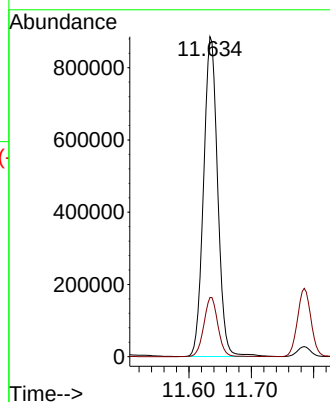
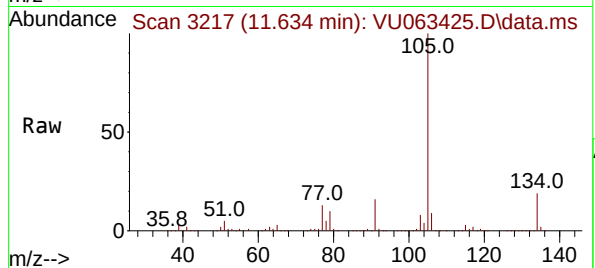
134 18.6 14.8 22.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#80

Nitrobenzene

Concen: 77.243 ug/l m

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

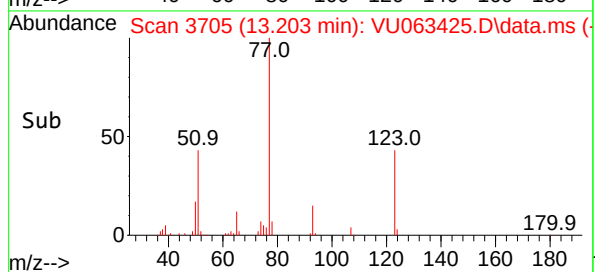
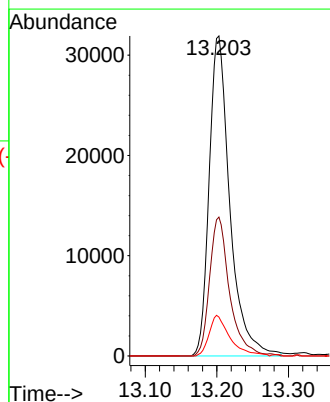
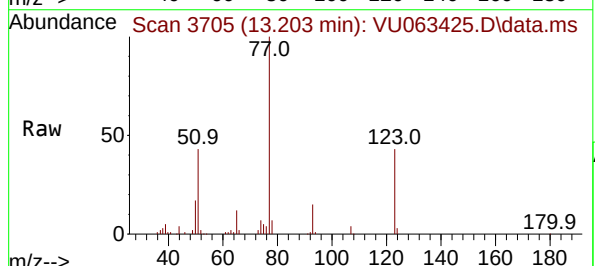
Tgt Ion: 77 Resp: 63943

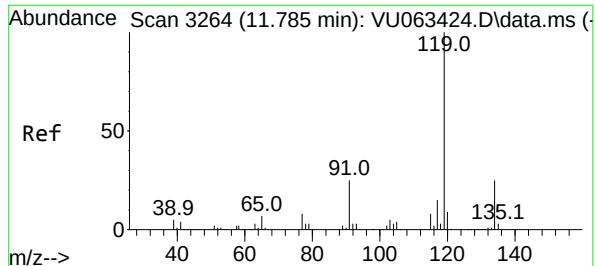
Ion Ratio Lower Upper

77 100

123 40.8 19.6 69.6

65 12.8 10.6 13.4





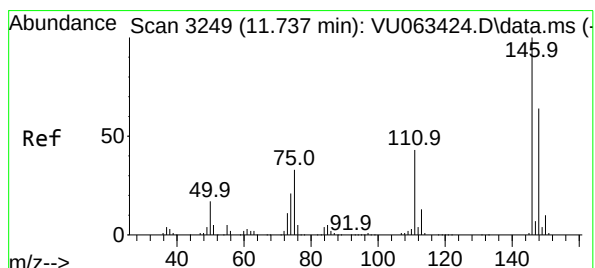
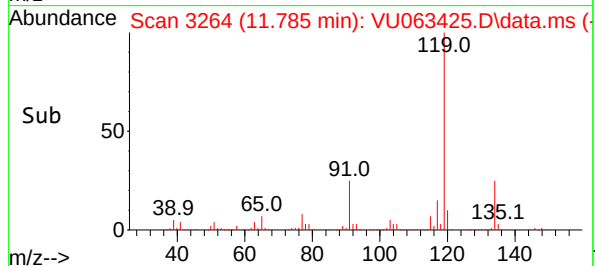
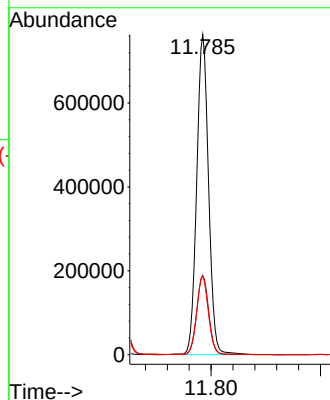
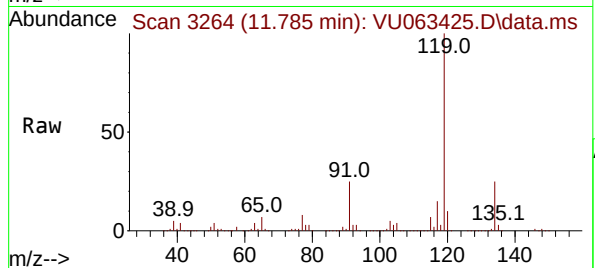
#81
p-Isopropyltoluene
Concen: 14.991 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 114196
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 24.1 19.7 29.5

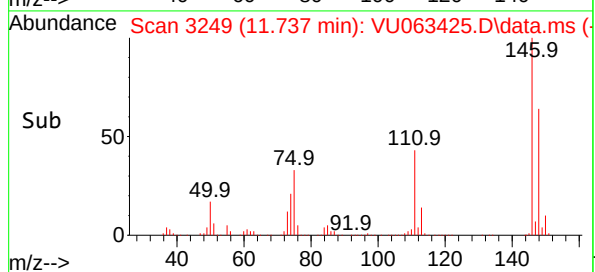
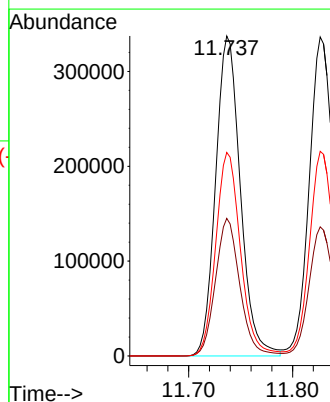
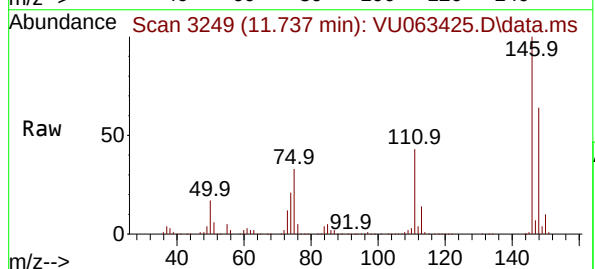
Manual Integrations
APPROVED

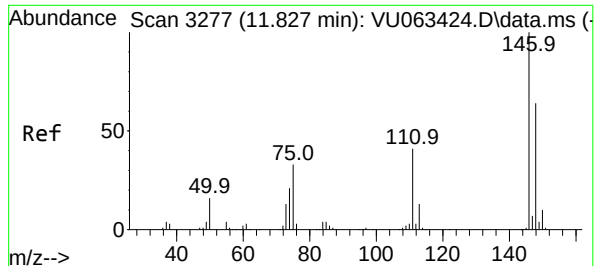
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82
1,3-Dichlorobenzene
Concen: 15.994 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion:146 Resp: 558223
Ion Ratio Lower Upper
146 100
111 42.4 34.3 51.5
148 63.9 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 16.003 ug/l

RT: 11.827 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion:146 Resp: 579089

Ion Ratio Lower Upper

146 100

111 39.4 31.7 47.5

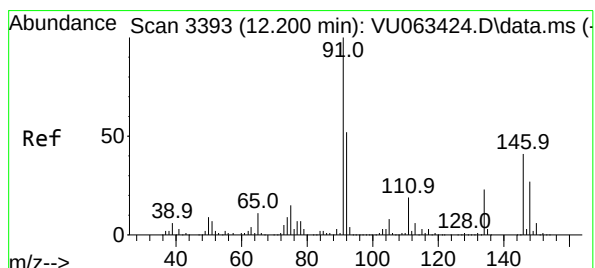
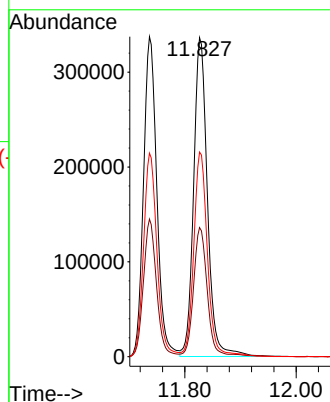
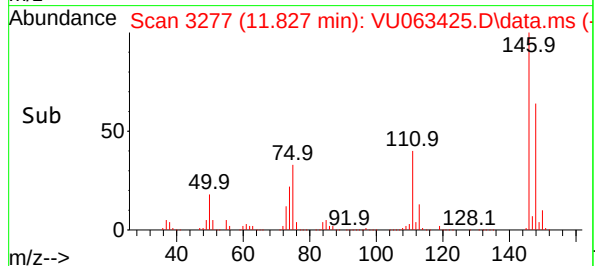
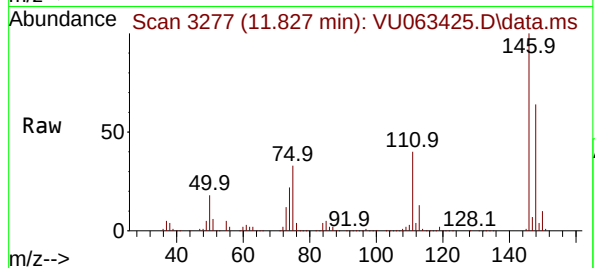
148 63.9 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 17.890 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

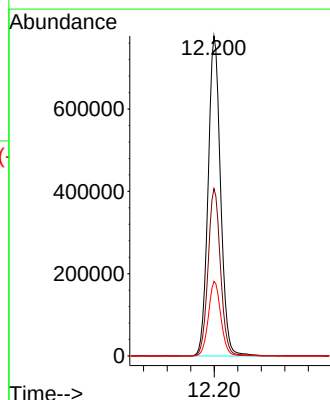
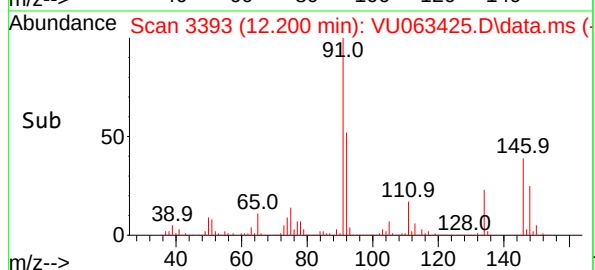
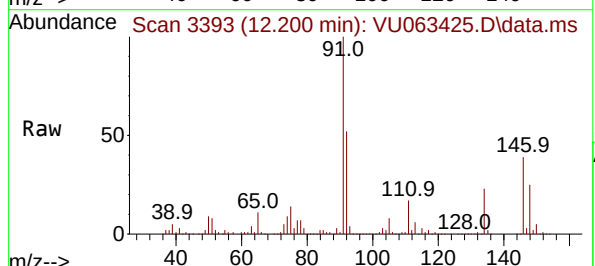
Tgt Ion: 91 Resp: 1143852

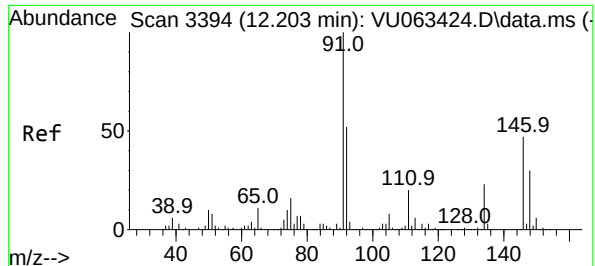
Ion Ratio Lower Upper

91 100

92 52.2 41.0 61.6

134 23.3 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 16.073 ug/l

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 53686

Ion Ratio Lower Upper

146 100

111 44.0 21.8 65.4

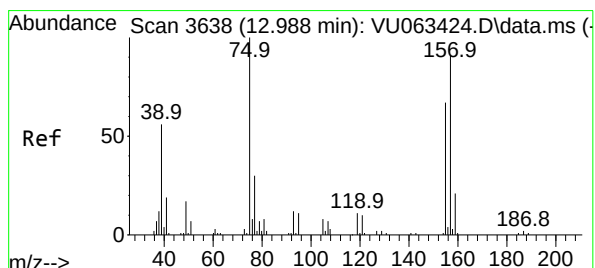
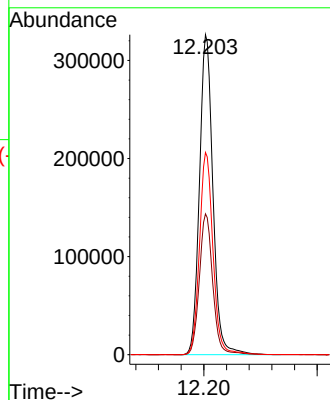
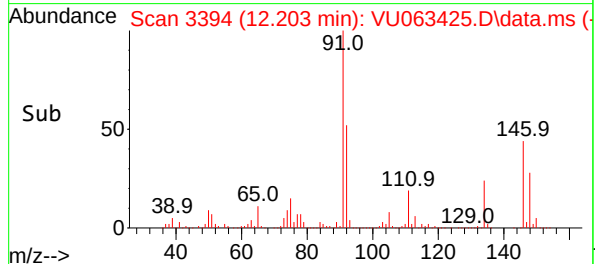
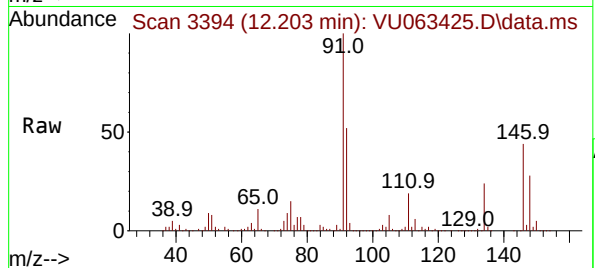
148 63.6 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 16.498 ug/l

RT: 12.984 min Scan# 3637

Delta R.T. -0.004 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

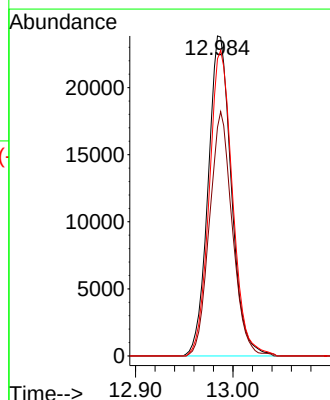
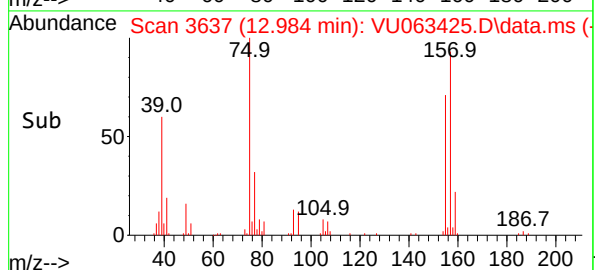
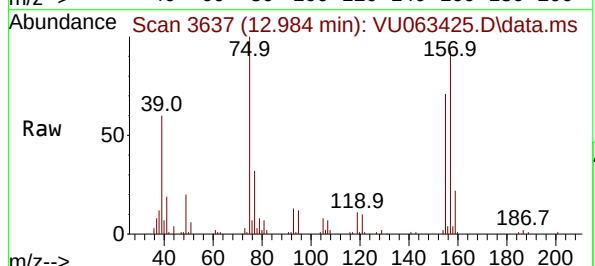
Tgt Ion: 75 Resp: 39601

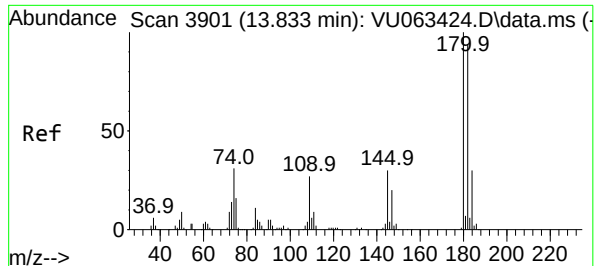
Ion Ratio Lower Upper

75 100

155 74.7 59.7 89.5

157 95.5 75.0 112.4





#87

1,2,4-Trichlorobenzene

Concen: 17.274 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Instrument :

MSVOA_U

ClientSampleId :

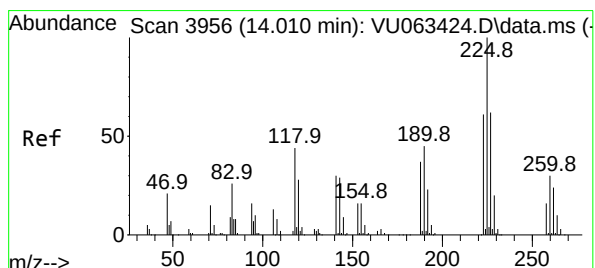
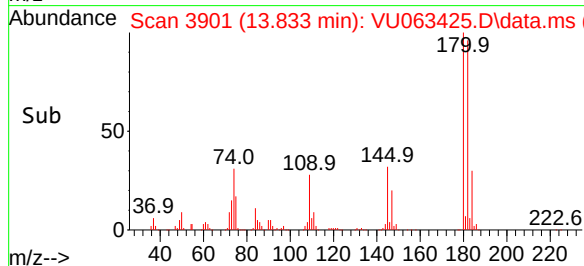
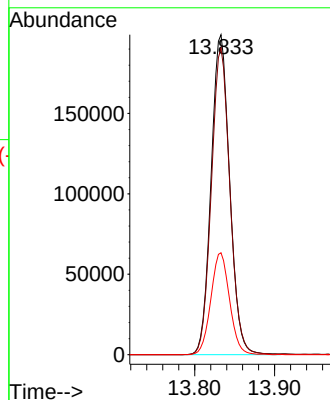
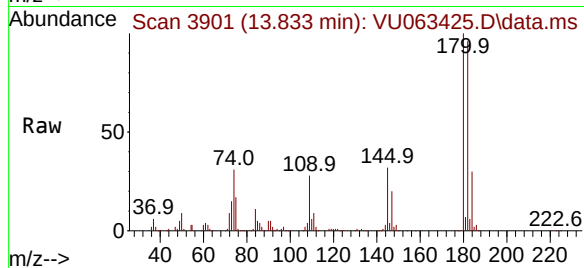
VSTDICC015

Tgt Ion:180	Resp:	321704
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.6 113.4
145	32.0	24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

Concen: 15.890 ug/l

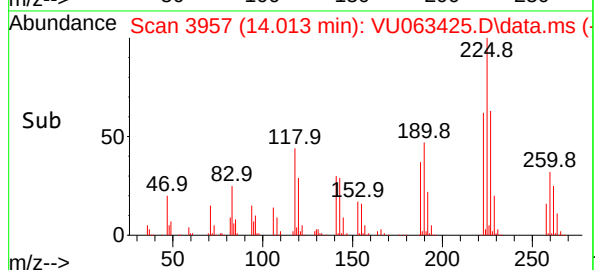
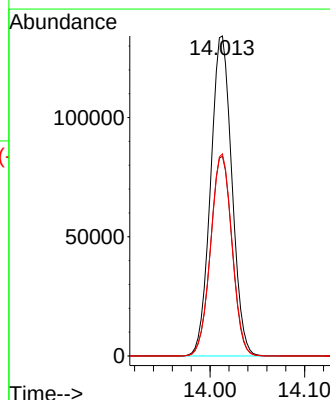
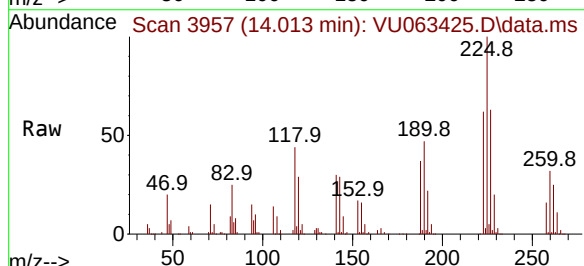
RT: 14.013 min Scan# 3957

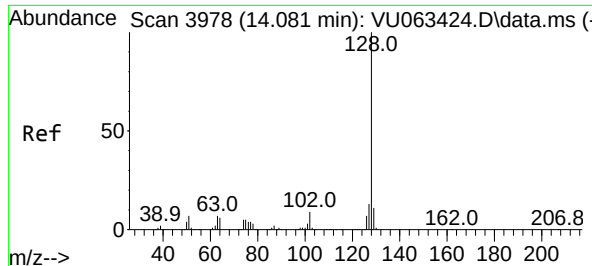
Delta R.T. 0.003 min

Lab File: VU063425.D

Acq: 23 Jun 2025 13:05

Tgt Ion:225	Resp:	209808
Ion Ratio	Lower	Upper
225	100	
223	62.9	50.0 75.0
227	63.4	51.5 77.3





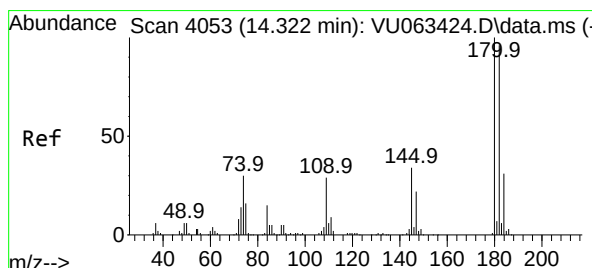
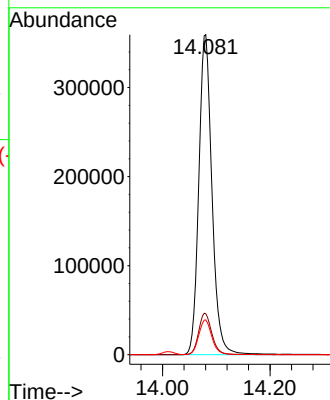
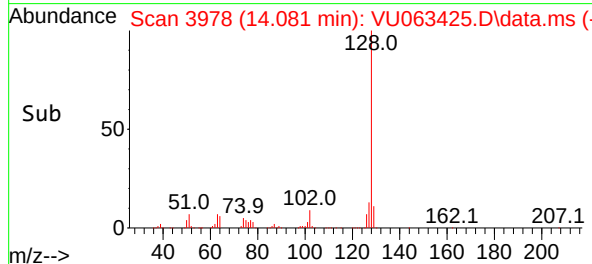
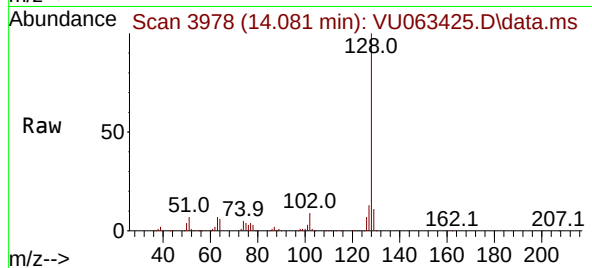
#89
Naphthalene
Concen: 15.330 ug/l
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:128 Resp: 611570
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.7 13.1

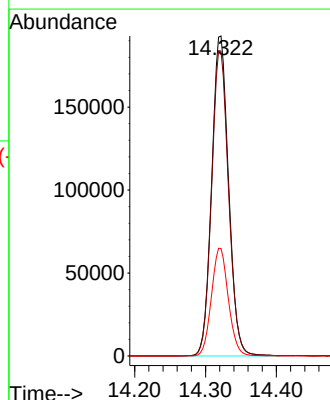
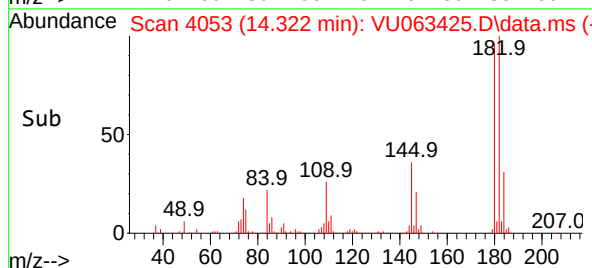
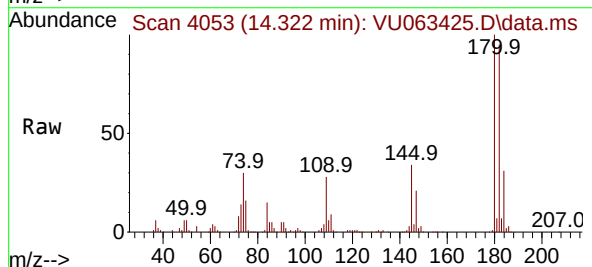
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90
1,2,3-Trichlorobenzene
Concen: 17.264 ug/l
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063425.D
Acq: 23 Jun 2025 13:05

Tgt Ion:180 Resp: 319688
Ion Ratio Lower Upper
180 100
182 95.8 76.7 115.1
145 33.6 27.4 41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063427.D
 Acq On : 23 Jun 2025 14:36
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 24 04:44:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	49410	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15467	0.853	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	16058	0.881	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	9539	0.503	ug/l	99
3) Chloromethane	1.518	50	13673	0.547	ug/l	99
4) Vinyl Chloride	1.599	62	10654	0.498	ug/l	98
5) Bromomethane	1.850	94	5695	0.555	ug/l	99
6) Chloroethane	1.924	64	6078	0.479	ug/l	100
7) Trichlorofluoromethane	2.129	101	12754	0.522	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	6593	0.507	ug/l	97
9) 1,1-Dichloroethene	2.567	96	6082	0.469	ug/l	89
11) Allyl Chloride	2.911	41	11727	0.507	ug/l	97
12) Acrylonitrile	3.309	53	4028	1.074	ug/l	87
13) Acetone	2.621	43	12451	2.782	ug/l	100
14) Carbon Disulfide	2.776	76	22881	0.506	ug/l	97
15) Methylene Chloride	3.030	84	9375	0.570	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	7485	0.513	ug/l	94
17) 1,1-Dichloroethane	3.850	63	15796	0.515	ug/l	97
18) 2-Butanone	4.724	43	15009	2.869	ug/l	96
19) Cyclohexane	5.361	56	11505	0.496	ug/l	93
20) Methylcyclohexane	6.743	83	9705	0.453	ug/l	94
21) 2,2-Dichloropropane	4.644	77	11273	0.517	ug/l	# 79
22) cis-1,2-Dichloroethene	4.647	96	8333	0.523	ug/l	95
23) Diethyl Ether	2.374	59	5801	0.496	ug/l	97
25) Methyl tert-Butyl Ether	3.367	73	17503	0.496	ug/l	97
26) Bromochloromethane	4.959	128	3192	0.515	ug/l	99
27) Chloroform	5.071	83	15019	0.523	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	11251	0.483	ug/l	95
29) 1,1-Dichloropropene	5.505	75	10552	0.496	ug/l	97
30) Carbon Tetrachloride	5.502	117	8753	0.470	ug/l	95
31) Isopropyl Ether	3.994	45	25406	0.527	ug/l	99
32) Ethyl-t-butyl ether	4.509	59	20953	0.517	ug/l	98
33) Tert-Amyl methyl ether	5.949	73	13421	0.463	ug/l	99
34) Propionitrile	4.785	54	4468	2.953	ug/l	# 89
35) Benzene	5.759	78	31874	0.495	ug/l	97
36) 1,2-Dichloroethane	5.788	62	9372	0.498	ug/l	97
37) Trichloroethene	6.531	130	7179	0.472	ug/l	97
38) 1,2-Dichloropropane	6.785	63	8136	0.458	ug/l	97
39) Methacrylonitrile	4.981	41	3976	0.631	ug/l	# 86
40) Methyl acrylate	4.853	55	5040m	0.569	ug/l	
41) Tetrahydrofuran	5.065	42	4338	1.281	ug/l	91
42) 1-Chlorobutane	5.441	56	14591m	0.483	ug/l	
43) Dibromomethane	6.914	93	4286	0.516	ug/l	87
44) Bromodichloromethane	7.100	83	10088	0.499	ug/l	98
45) 4-Methyl-2-Pentanone	7.804	43	19505	2.187	ug/l	93
46) t-1,4-Dichloro-2-butene	10.827	75	3657m	1.285	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063427.D
 Acq On : 23 Jun 2025 14:36
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:44:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue Jun 24 03:53:51 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.978	69	4895	1.504	ug/l	97
48) Ethyl methacrylate	8.341	69	4371	0.650	ug/l	90
49) Toluene	7.962	92	14519	0.411	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	6008	0.412	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	8088	0.413	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	5889	0.485	ug/l	97
53) 1,3-Dichloropropane	8.573	76	10262	0.491	ug/l	99
54) 2-Hexanone	8.698	43	14049	3.353	ug/l	89
55) Dibromochloromethane	8.804	129	6116	0.488	ug/l	94
56) 1,2-Dibromoethane	8.920	107	4832	0.491	ug/l	98
58) Tetrachloroethene	8.547	164	6912	0.463	ug/l	94
59) Chlorobenzene	9.444	112	17027	0.450	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	6725	0.494	ug/l	96
61) Pentachloroethane	11.418	117	5856	0.528	ug/l	89
62) Hexachloroethane	12.467	117	4560	0.457	ug/l	90
63) Ethyl Benzene	9.563	91	24136	0.398	ug/l	90
64) m/p-Xylenes	9.689	106	17362	1.369	ug/l	96
65) o-Xylene	10.097	106	9040	0.392	ug/l	91
66) Styrene	10.113	104	13591	0.695	ug/l	98
67) Bromoform	10.287	173	3128	0.457	ug/l #	91
69) Isopropylbenzene	10.479	105	20554	0.385	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.778	83	8029	0.517	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	7043m	0.545	ug/l	
72) Bromobenzene	10.782	156	6630	0.442	ug/l	87
73) n-propylbenzene	10.901	120	6020	0.665	ug/l	100
74) 2-Chlorotoluene	10.981	126	5691	0.384	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	17947	0.649	ug/l	96
76) 4-Chlorotoluene	11.097	126	6010	0.387	ug/l	92
77) tert-Butylbenzene	11.415	119	19254	0.392	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	18055	0.686	ug/l	99
79) sec-Butylbenzene	11.637	105	26179	0.377	ug/l	100
80) Nitrobenzene	13.225	77	2731m	5.009	ug/l	
81) p-Isopropyltoluene	11.788	119	18968	0.685	ug/l	92
82) 1,3-Dichlorobenzene	11.743	146	13935	0.449	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	14900m	0.463	ug/l	
84) n-Butylbenzene	12.206	91	23809	0.419	ug/l	93
85) 1,2-Dichlorobenzene	12.206	146	13276	0.447	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.984	75	944	0.442	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	8572	0.517	ug/l	97
88) Hexachlorobutadiene	14.013	225	5732	0.488	ug/l	96
90) 1,2,3-Trichlorobenzene	14.325	180	8948	0.543	ug/l	94

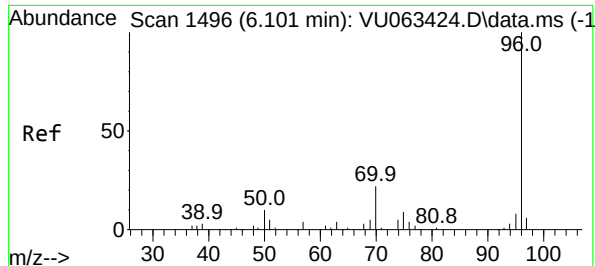
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025





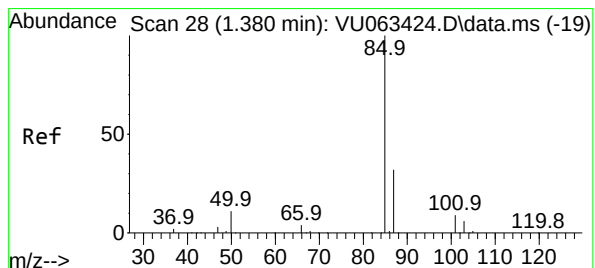
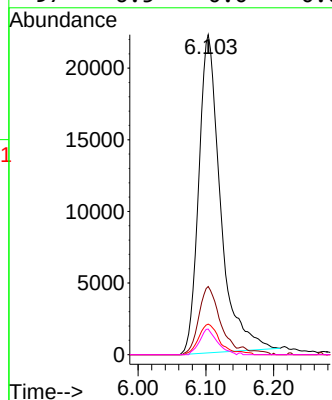
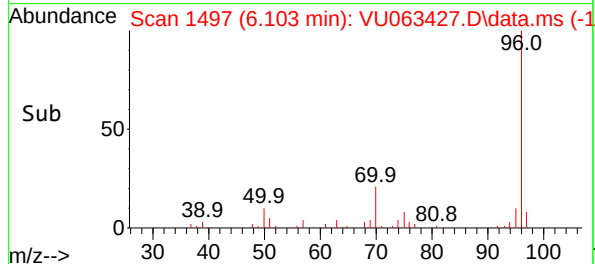
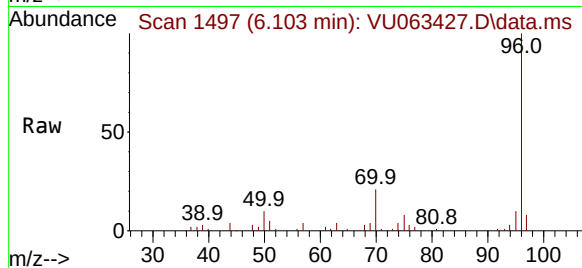
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 96 Resp: 49410
Ion Ratio Lower Upper
96 100
70 18.5 16.4 24.6
95 8.0 6.2 9.2
97 6.5 0.0 0.0#

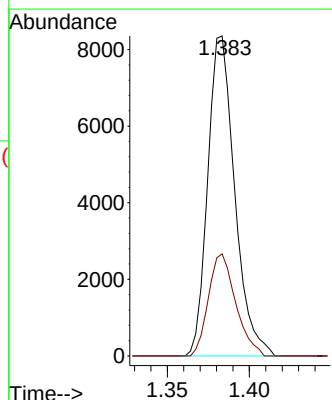
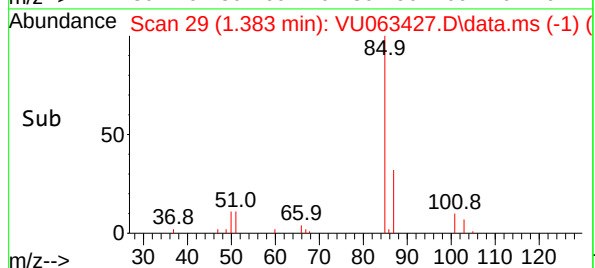
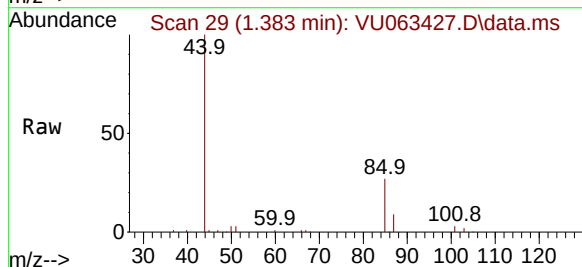
Manual Integrations
APPROVED

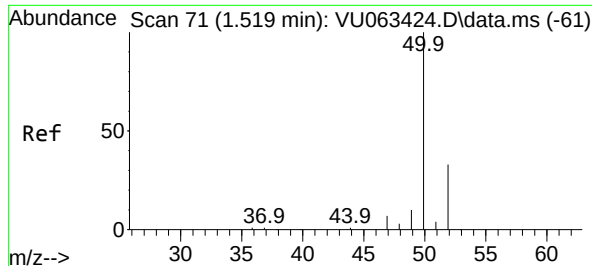
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 0.503 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion: 85 Resp: 9539
Ion Ratio Lower Upper
85 100
87 31.9 16.2 48.5





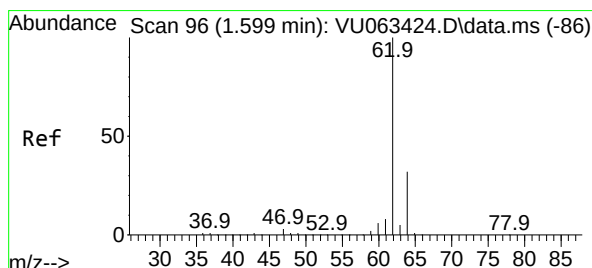
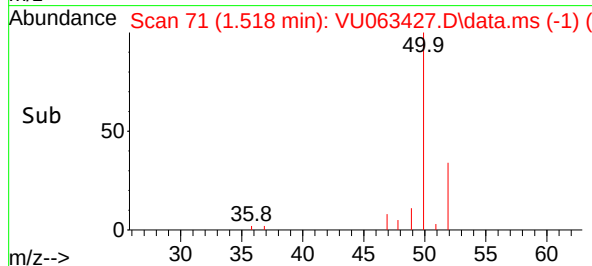
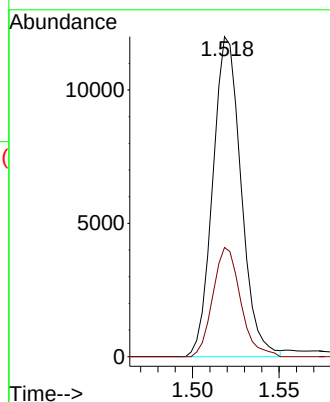
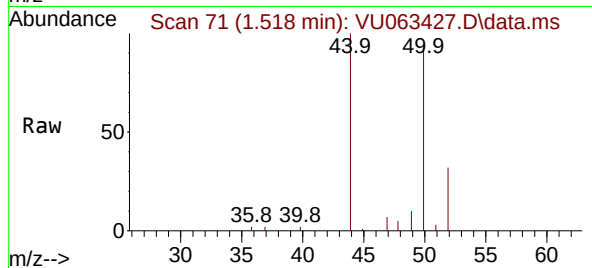
#3
Chloromethane
Concen: 0.547 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 50 Resp: 1367
Ion Ratio Lower Upper
50 100
52 34.1 26.6 40.0

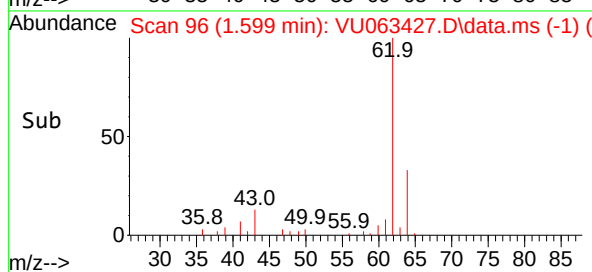
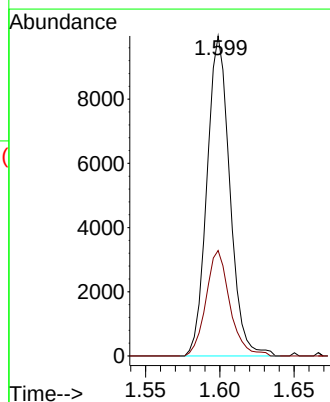
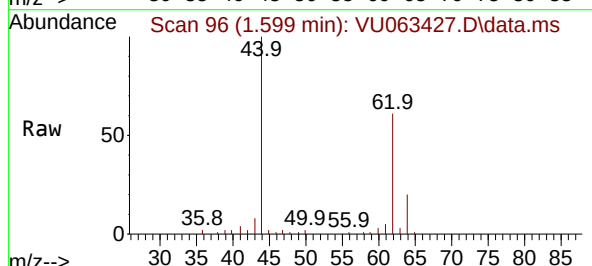
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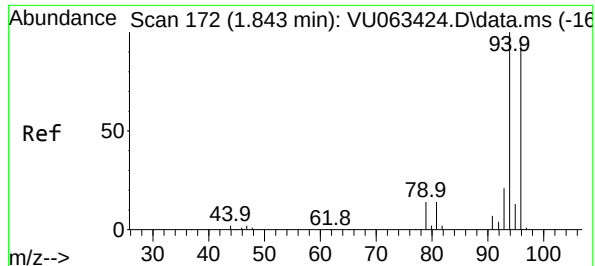
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 0.498 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion: 62 Resp: 10654
Ion Ratio Lower Upper
62 100
64 33.0 25.7 38.5





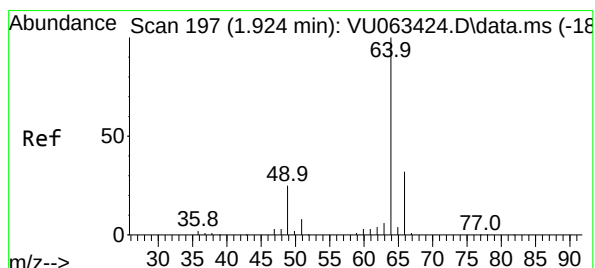
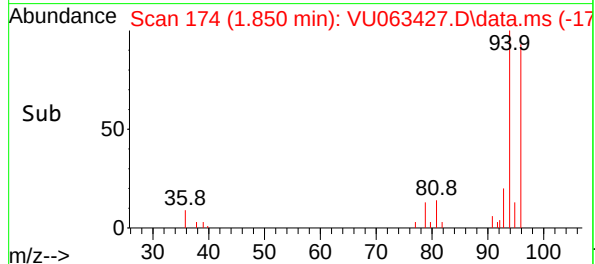
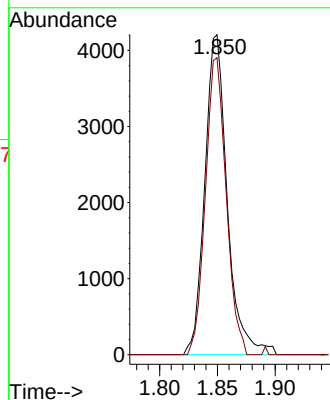
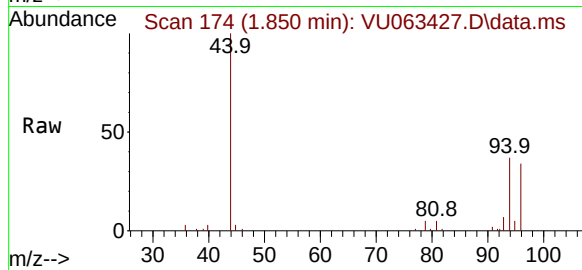
#5
Bromomethane
Concen: 0.555 ug/l
RT: 1.850 min Scan# 172
Delta R.T. 0.006 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 92.8 74.8 112.2

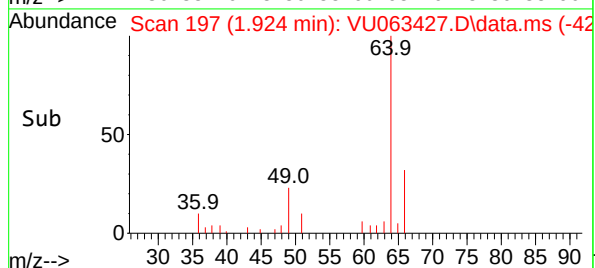
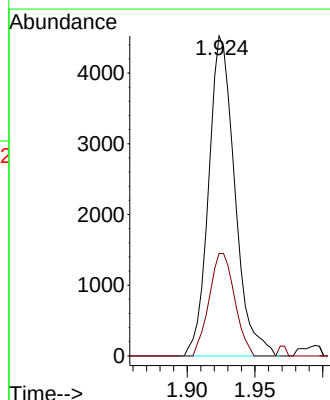
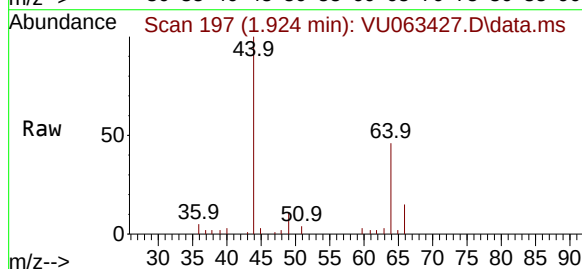
Manual Integrations
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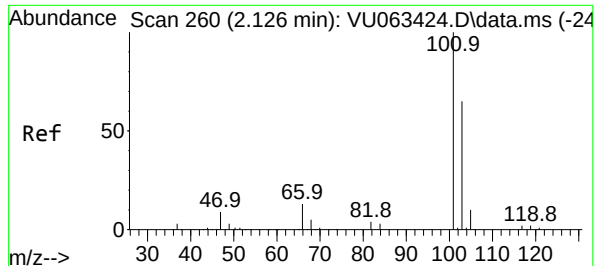
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 0.479 ug/l
RT: 1.924 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

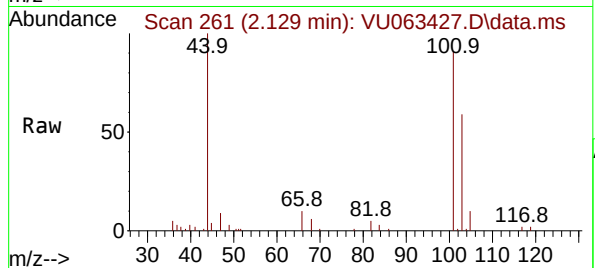
Tgt Ion: 64 Resp: 6078
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5





#7
Trichlorofluoromethane
Concen: 0.522 ug/l
RT: 2.129 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

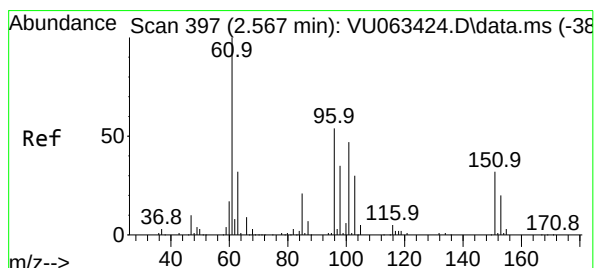
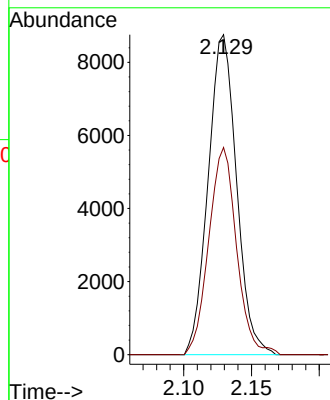
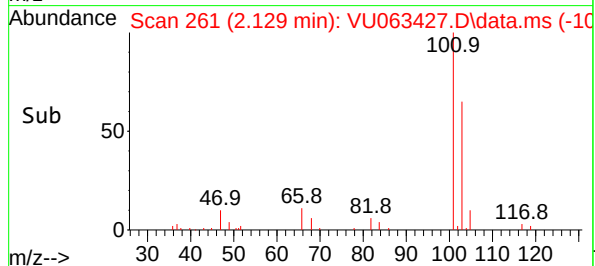
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion:101 Resp: 12754
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5

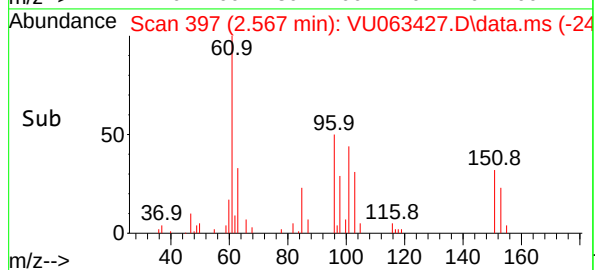
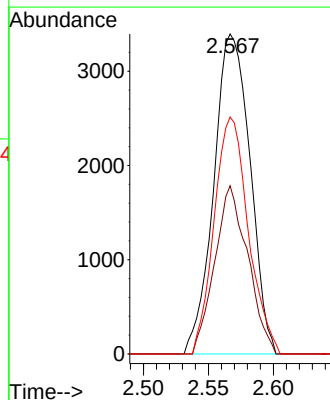
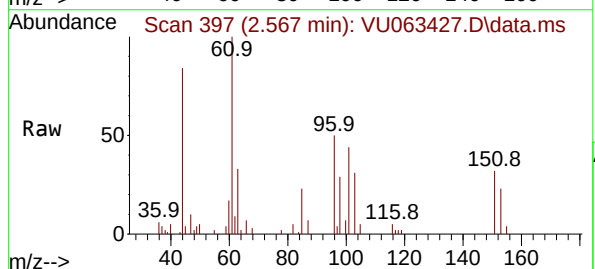
Manual Integrations
APPROVED

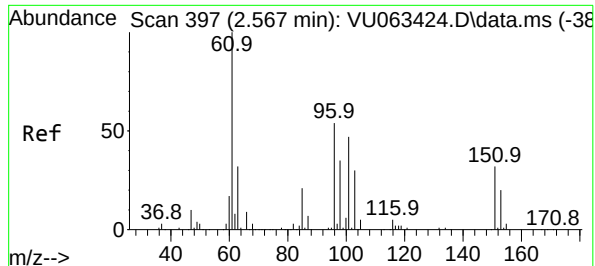
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.507 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion:101 Resp: 6593
Ion Ratio Lower Upper
101 100
85 47.9 36.7 55.1
151 69.8 53.9 80.9





#9

1,1-Dichloroethene

Concen: 0.469 ug/l

RT: 2.567 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 6082

Ion Ratio Lower Upper

96 100

61 201.0 0.0 552.0

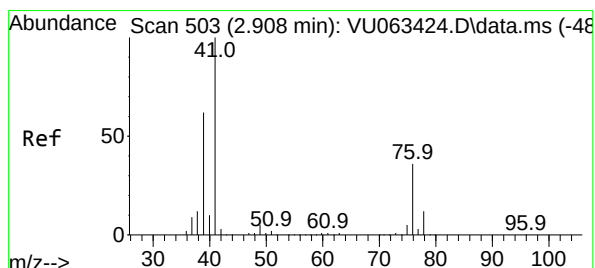
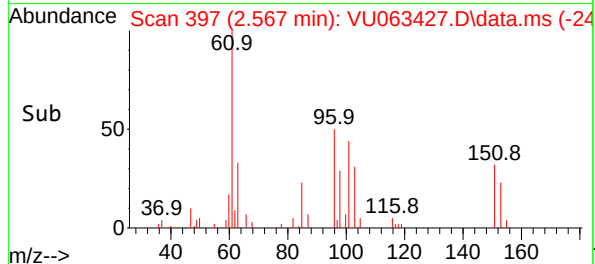
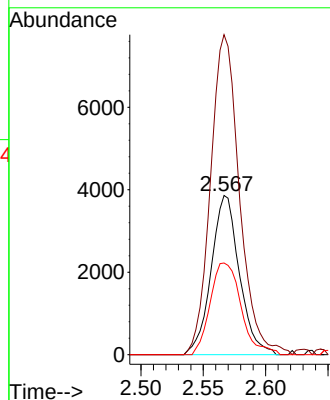
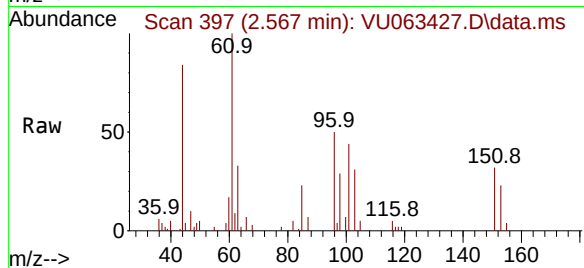
98 57.5 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#11

Allyl Chloride

Concen: 0.507 ug/l

RT: 2.911 min Scan# 504

Delta R.T. 0.003 min

Lab File: VU063427.D

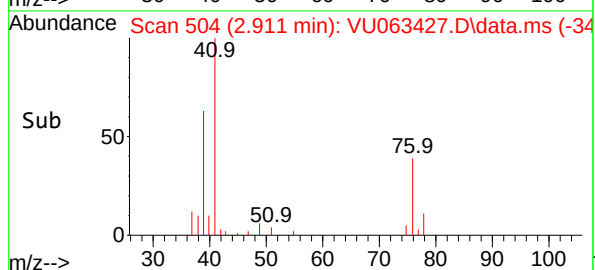
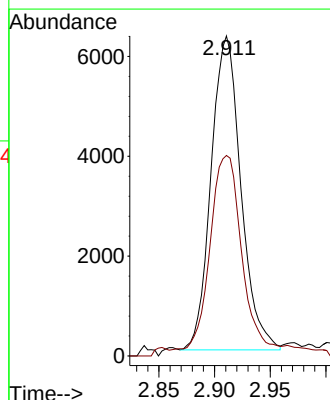
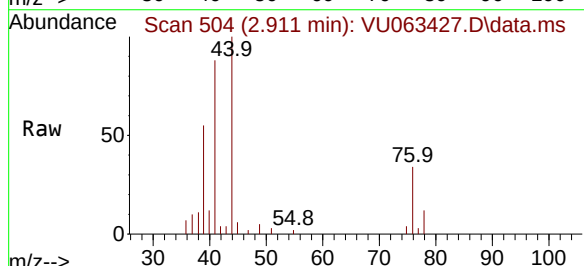
Acq: 23 Jun 2025 14:36

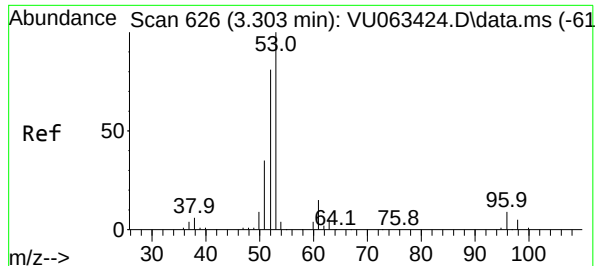
Tgt Ion: 41 Resp: 11727

Ion Ratio Lower Upper

41 100

39 65.1 50.3 75.5





#12

Acrylonitrile

Concen: 1.074 ug/l

RT: 3.309 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

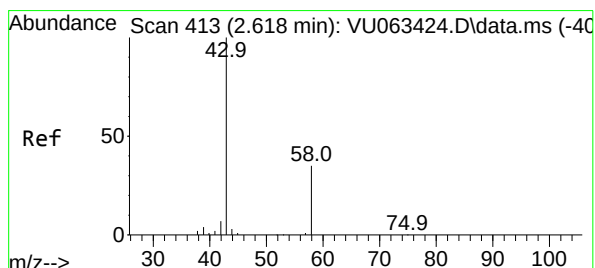
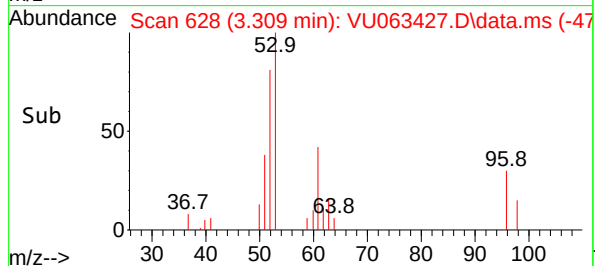
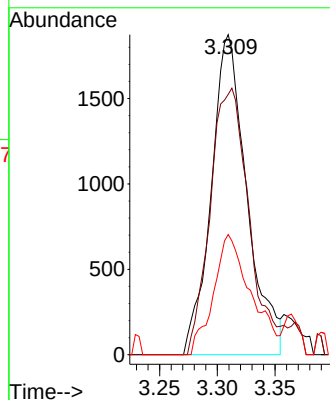
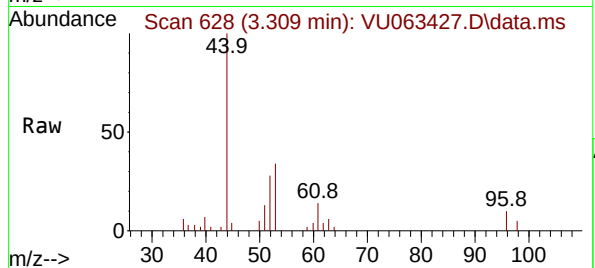
Tgt Ion:	53	Resp:	4028
Ion	Ratio	Lower	Upper
53	100		
52	90.4	62.8	94.2
51	39.1	26.2	39.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#13

Acetone

Concen: 2.782 ug/l

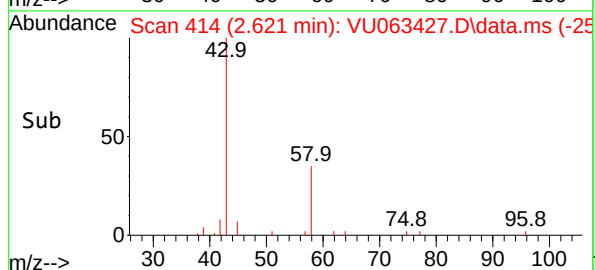
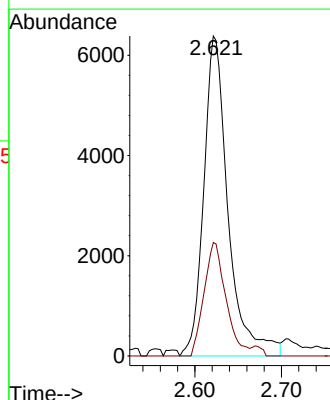
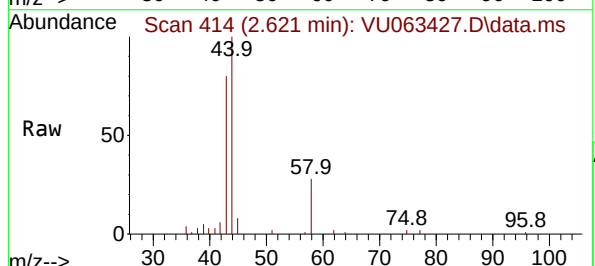
RT: 2.621 min Scan# 414

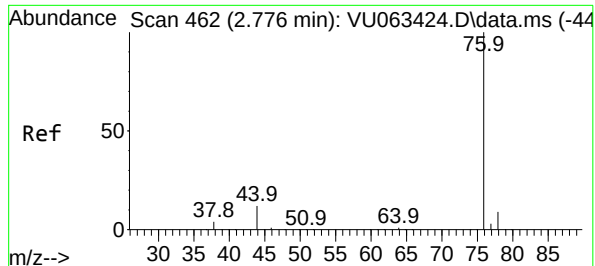
Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	43	Resp:	12451
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.3	42.5





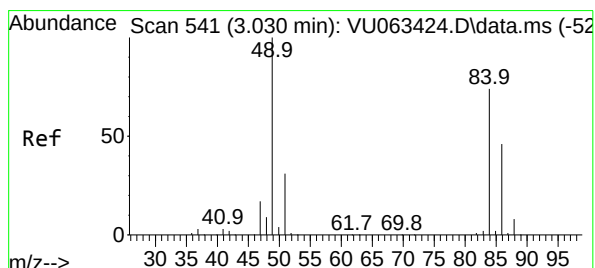
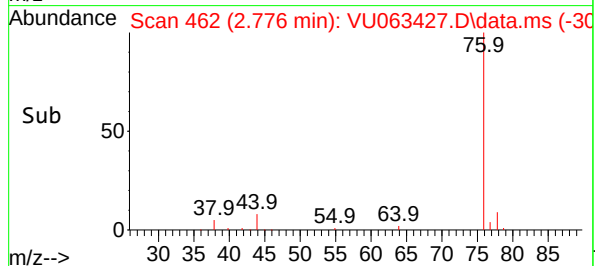
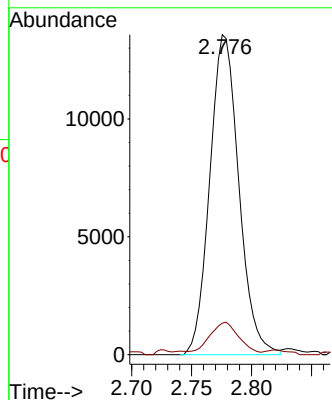
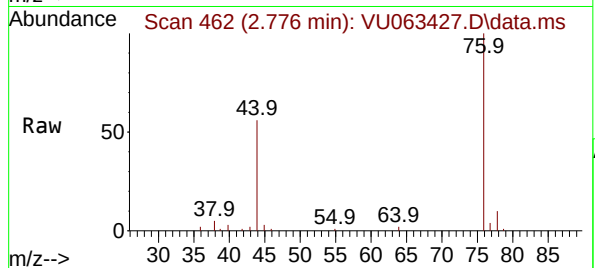
#14
Carbon Disulfide
Concen: 0.506 ug/l
RT: 2.776 min Scan# 462
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 76 Resp: 2288
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3

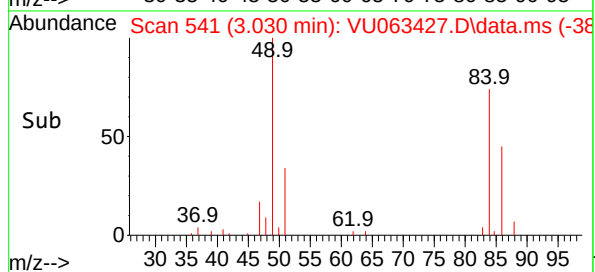
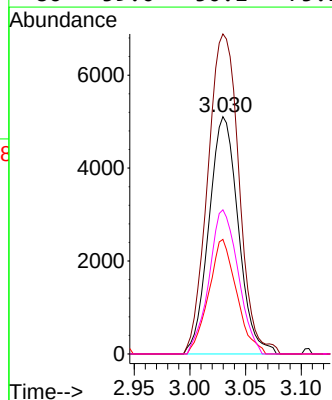
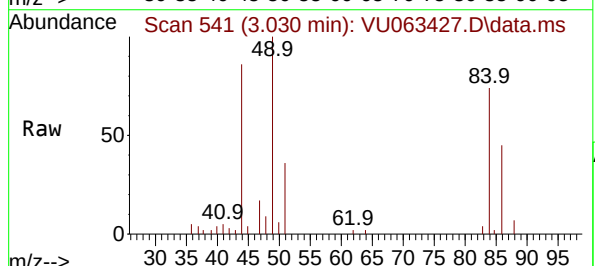
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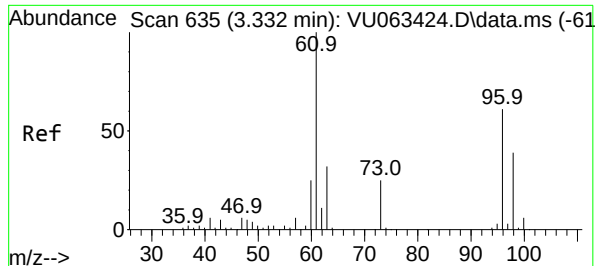
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#15
Methylene Chloride
Concen: 0.570 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

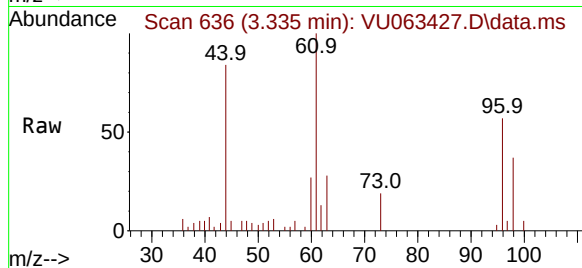
Tgt Ion: 84 Resp: 9375
Ion Ratio Lower Upper
84 100
49 130.9 108.7 163.1
51 46.9 0.0 83.8
86 59.0 50.1 75.1





#16
trans-1,2-Dichloroethene
Concen: 0.513 ug/l
RT: 3.335 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

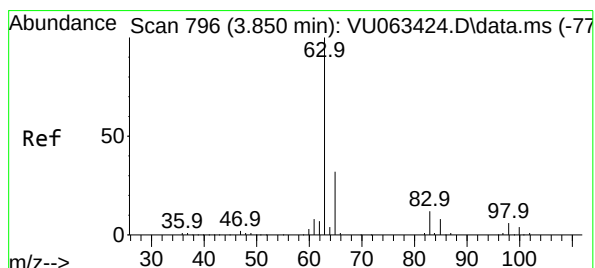
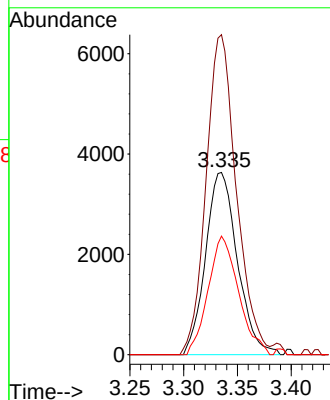
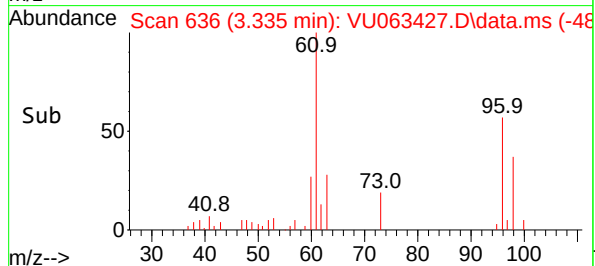
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 96 Resp: 748
Ion Ratio Lower Upper
96 100
61 175.6 132.1 198.1
98 65.0 51.0 76.4

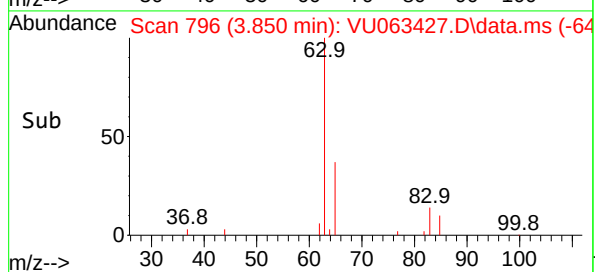
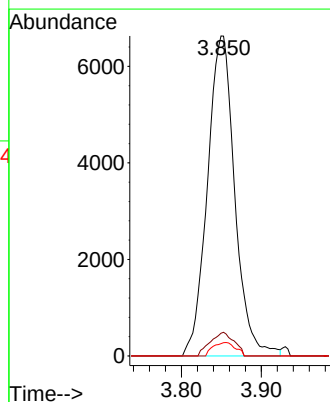
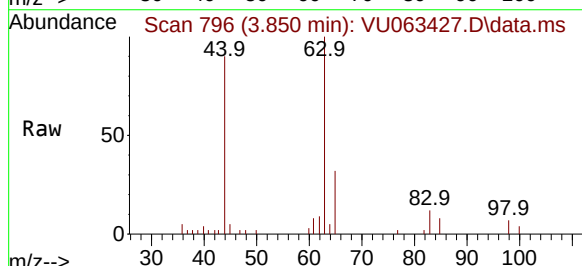
Manual Integrations
APPROVED

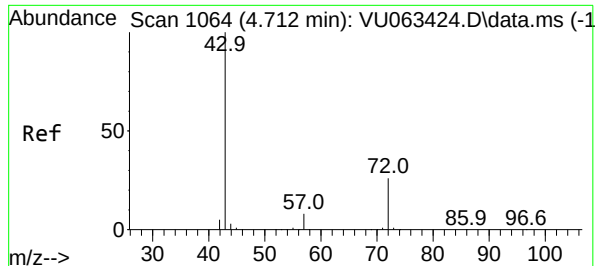
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#17
1,1-Dichloroethane
Concen: 0.515 ug/l
RT: 3.850 min Scan# 796
Delta R.T. -0.000 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion: 63 Resp: 15796
Ion Ratio Lower Upper
63 100
98 7.1 2.8 8.4
100 3.8 1.9 5.7





#18

2-Butanone

Concen: 2.869 ug/l

RT: 4.724 min Scan# 1068

Delta R.T. 0.013 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 15009

Ion Ratio Lower Upper

43 100

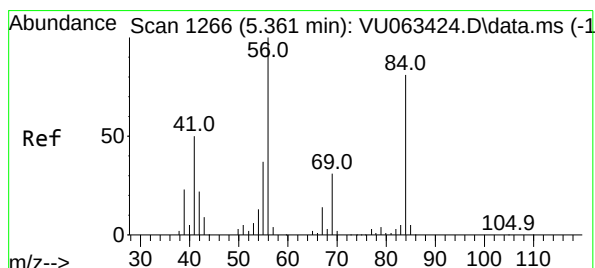
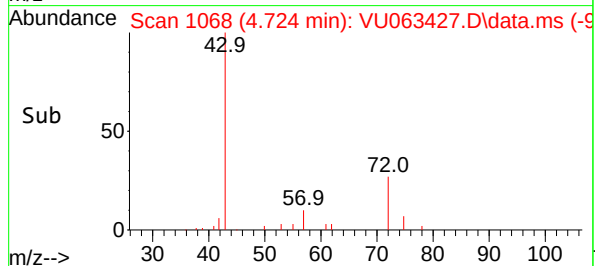
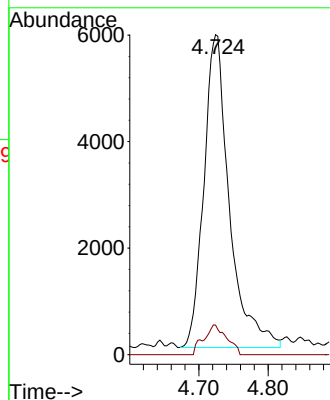
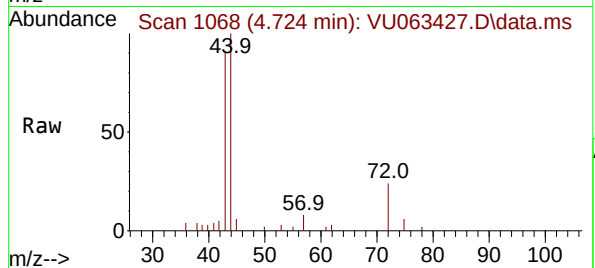
57 9.5 0.0 16.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#19

Cyclohexane

Concen: 0.496 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

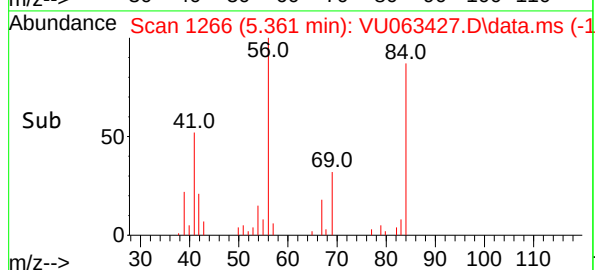
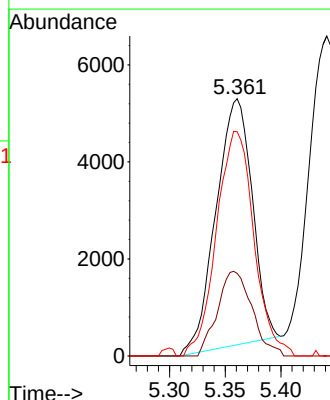
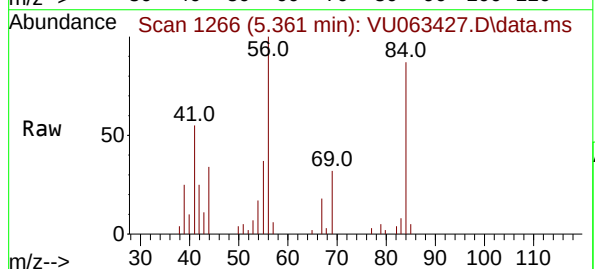
Tgt Ion: 56 Resp: 11505

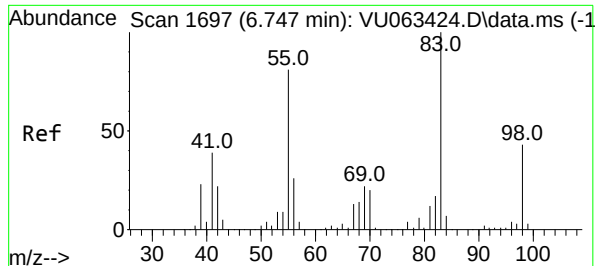
Ion Ratio Lower Upper

56 100

69 32.8 26.4 39.6

84 94.1 68.6 102.8





#20

Methylcyclohexane

Concen: 0.453 ug/l

RT: 6.743 min Scan# 1697

Delta R.T. -0.004 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

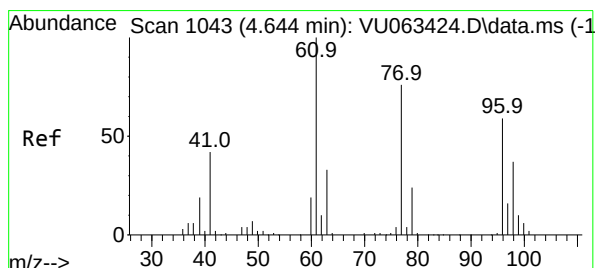
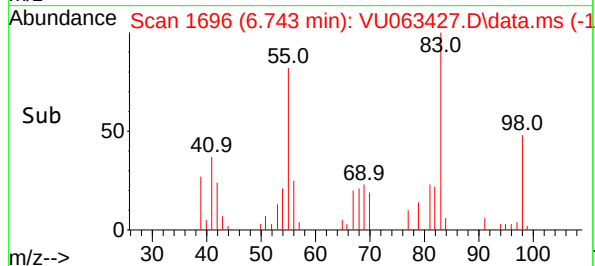
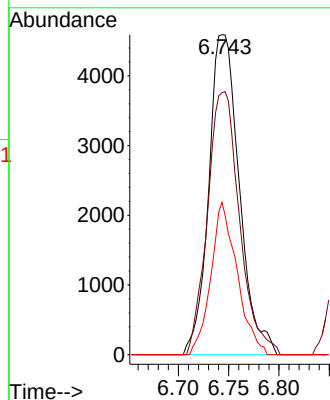
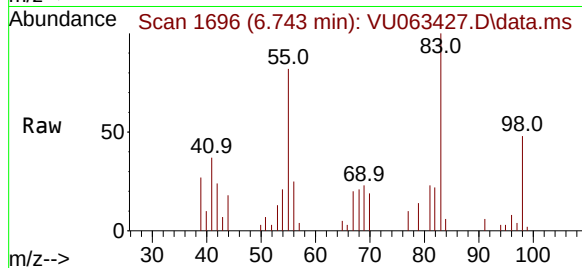
VSTDIC0.5

Tgt Ion:	83	Resp:	970
Ion	Ratio	Lower	Upper
83	100		
55	86.0	63.5	95.3
98	40.9	34.2	51.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#21

2,2-Dichloropropane

Concen: 0.517 ug/l

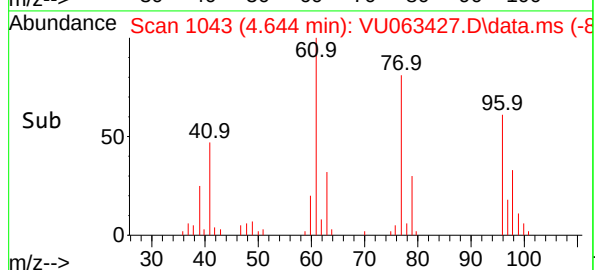
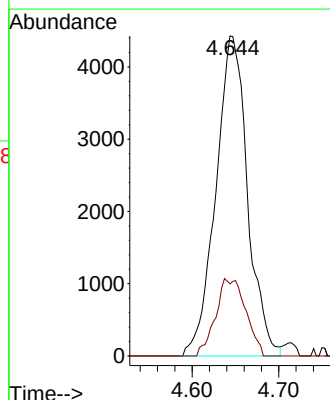
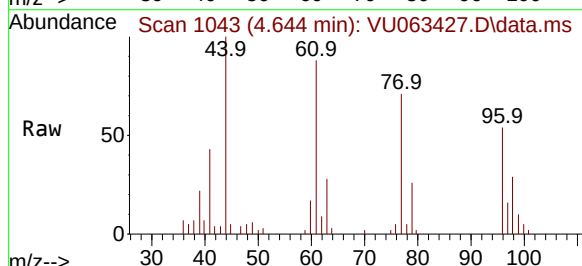
RT: 4.644 min Scan# 1043

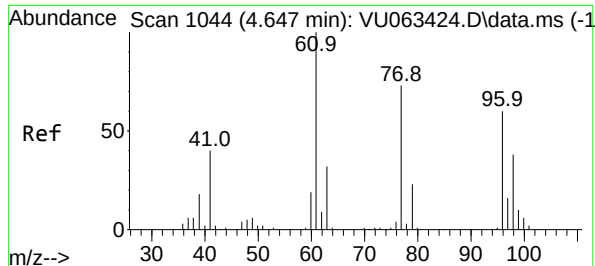
Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	77	Resp:	11273
Ion	Ratio	Lower	Upper
77	100		
97	11.6	17.2	25.8#





#22

cis-1,2-Dichloroethene

Concen: 0.523 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 833

Ion Ratio Lower Upper

96 100

61 166.5 0.0 434.3

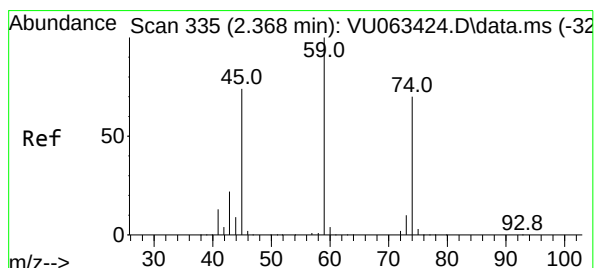
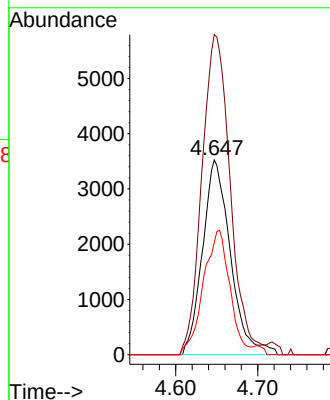
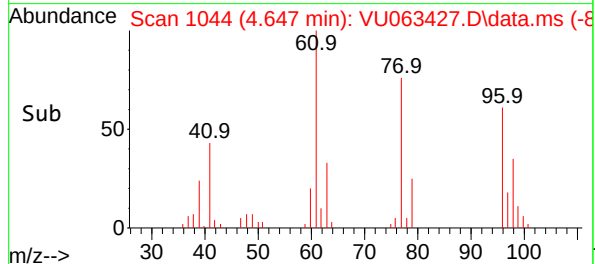
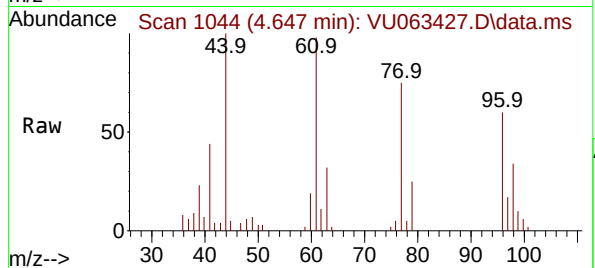
98 60.5 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#23

Diethyl Ether

Concen: 0.496 ug/l

RT: 2.374 min Scan# 337

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

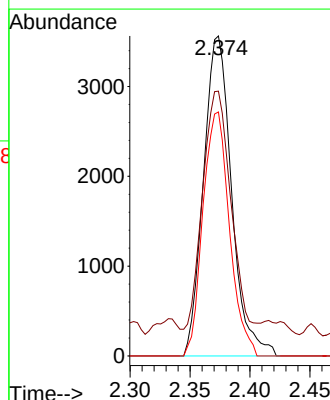
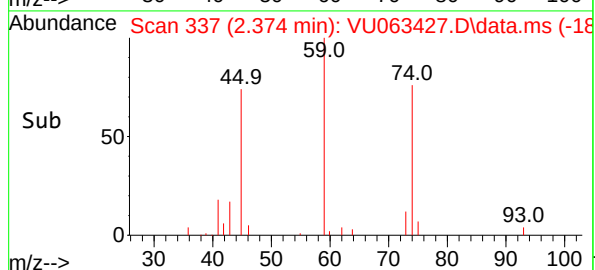
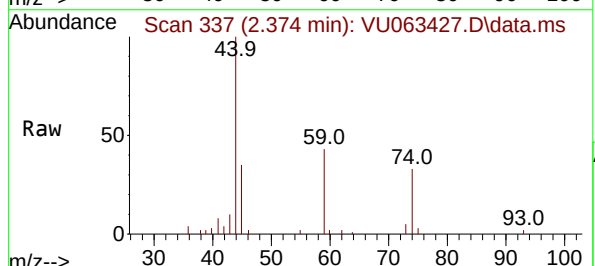
Tgt Ion: 59 Resp: 5801

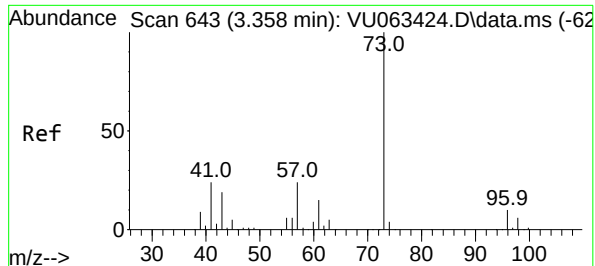
Ion Ratio Lower Upper

59 100

45 73.7 60.7 91.1

74 72.2 55.8 83.6





#25

Methyl tert-Butyl Ether

Concen: 0.496 ug/l

RT: 3.367 min Scan# 64

Delta R.T. 0.009 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 73 Resp: 1750

Ion Ratio Lower Upper

73 100

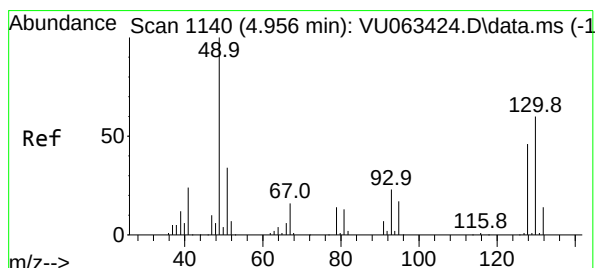
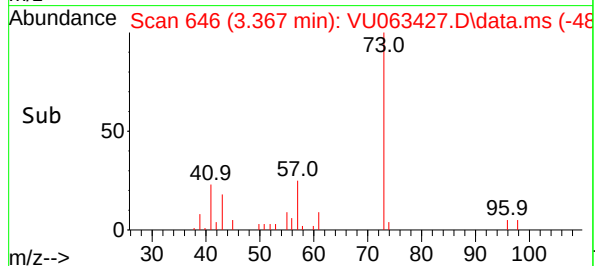
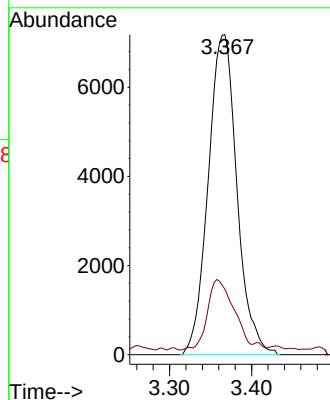
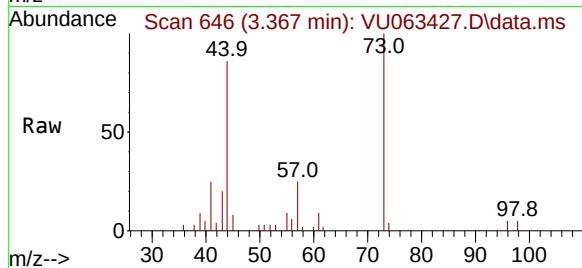
43 20.2 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#26

Bromochloromethane

Concen: 0.515 ug/l

RT: 4.959 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

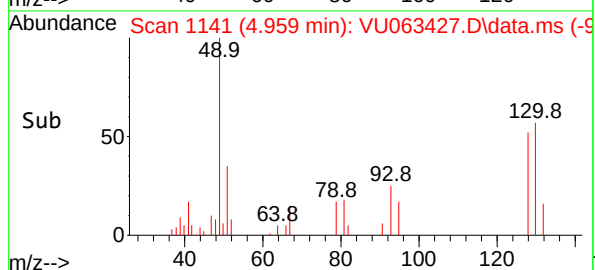
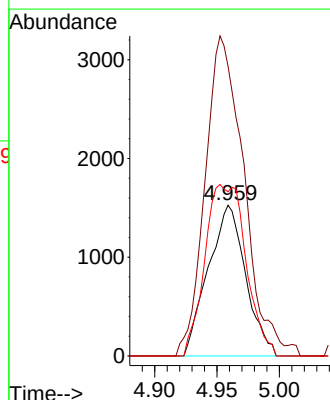
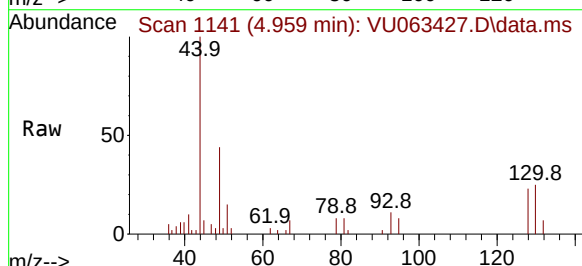
Tgt Ion:128 Resp: 3192

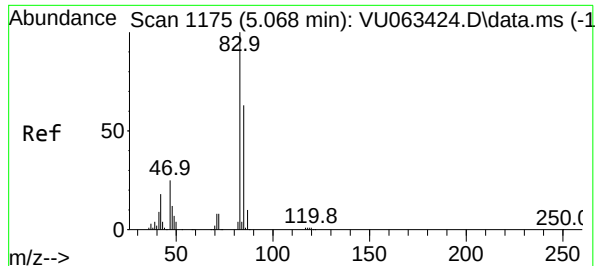
Ion Ratio Lower Upper

128 100

49 220.3 0.0 441.2

130 124.7 102.3 153.5





#27

Chloroform

Concen: 0.523 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 15019

Ion Ratio Lower Upper

83 100

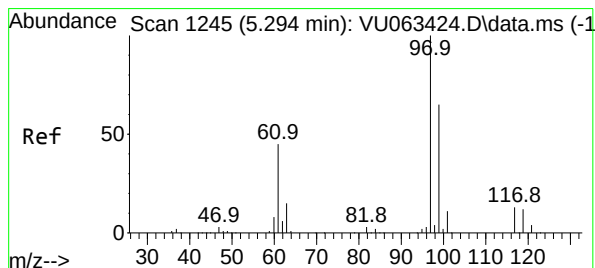
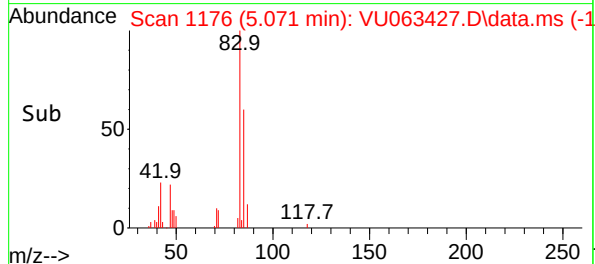
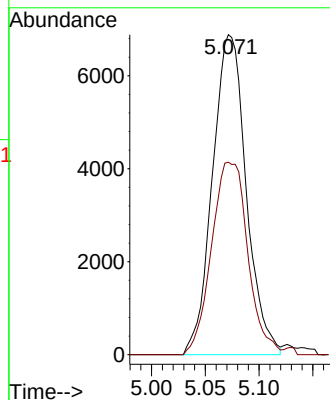
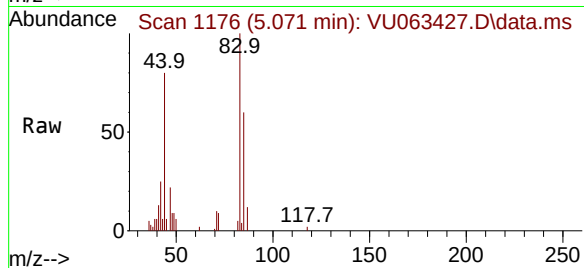
85 60.2 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 0.483 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

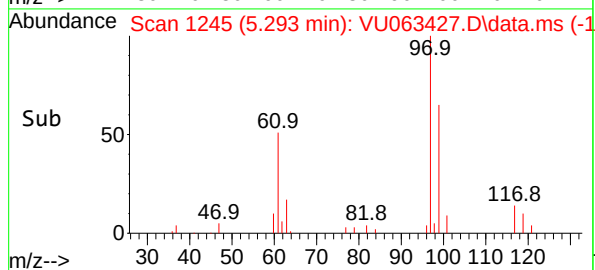
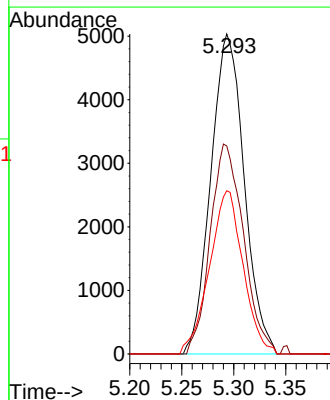
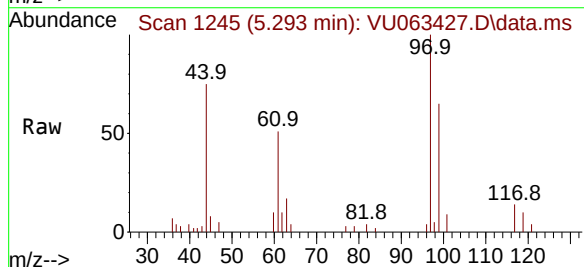
Tgt Ion: 97 Resp: 11251

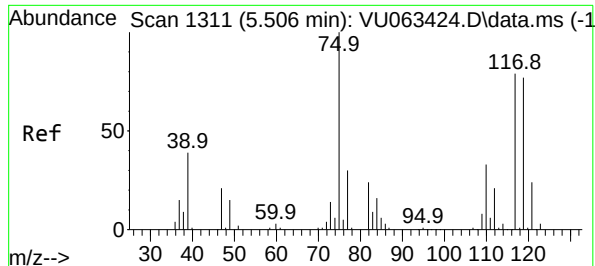
Ion Ratio Lower Upper

97 100

99 65.3 31.9 95.5

61 51.3 22.9 68.7





#29

1,1-Dichloropropene

Concen: 0.496 ug/l

RT: 5.505 min Scan# 11

Delta R.T. -0.001 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 1055

Ion Ratio Lower Upper

75 100

110 33.5 17.4 52.2

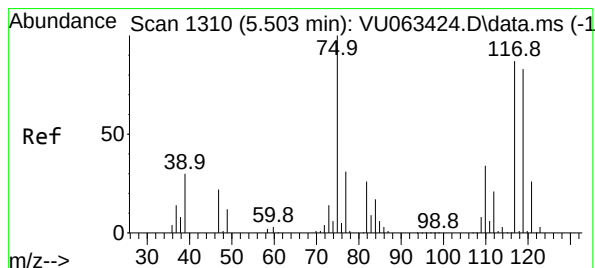
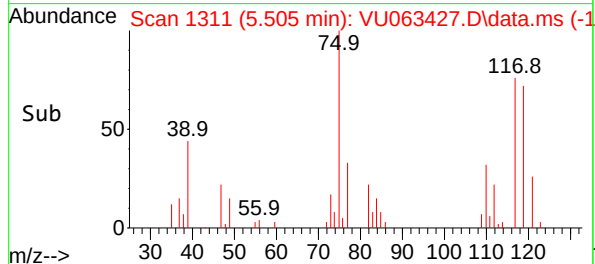
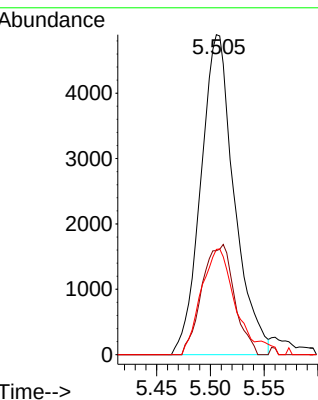
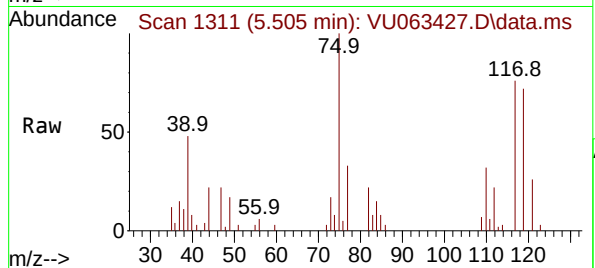
77 34.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 0.470 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

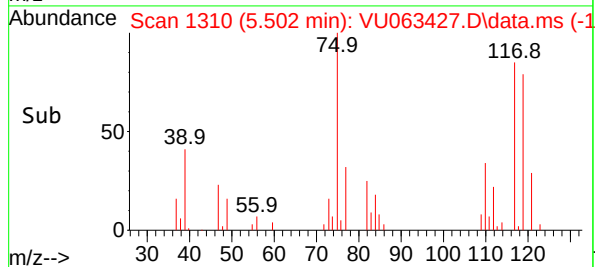
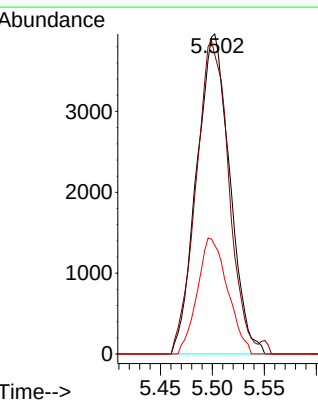
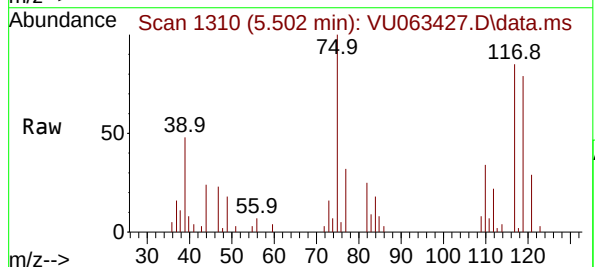
Tgt Ion:117 Resp: 8753

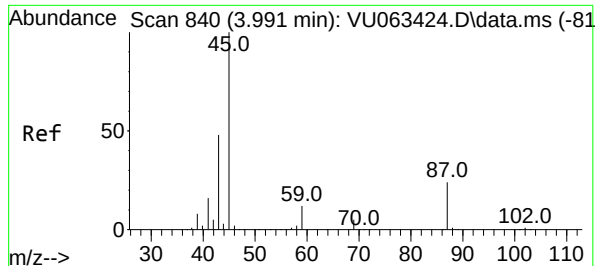
Ion Ratio Lower Upper

117 100

119 90.9 76.7 115.1

121 33.0 24.3 36.5





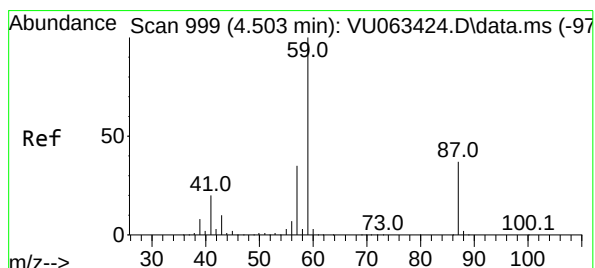
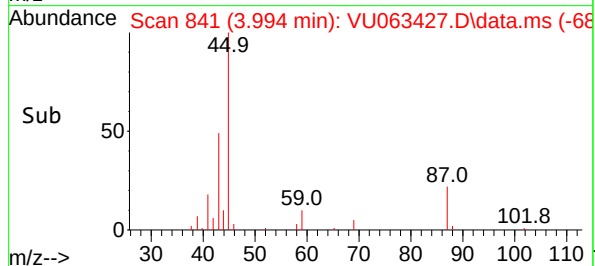
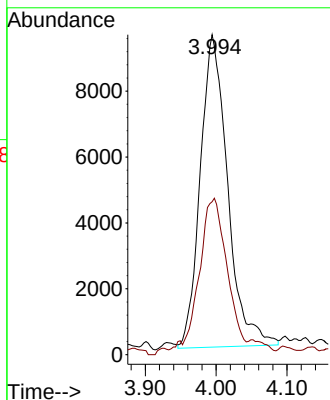
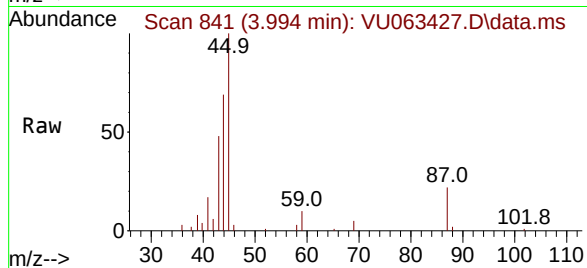
#31
Isopropyl Ether
Concen: 0.527 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 25400
Ion Ratio Lower Upper
45 100
43 48.2 23.8 71.5

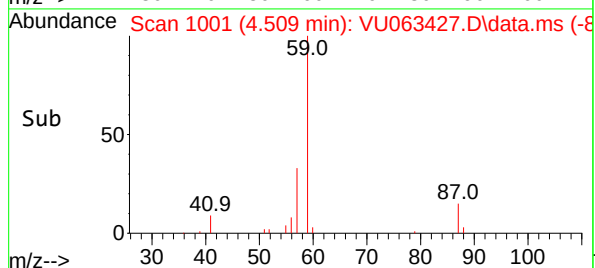
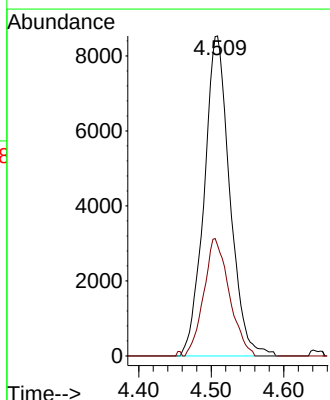
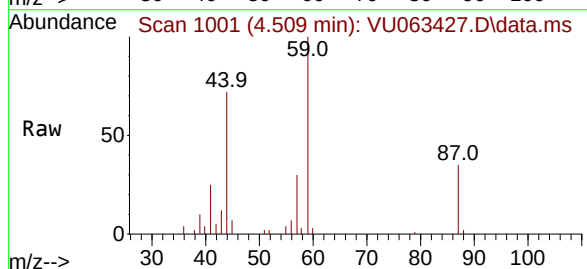
Manual Integrations
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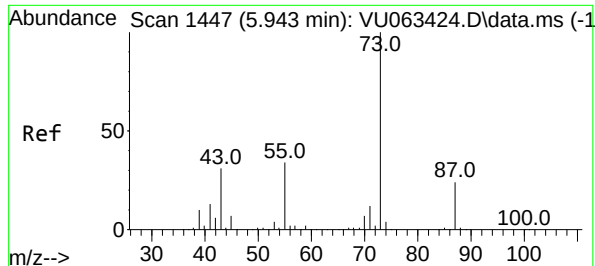
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 0.517 ug/l
RT: 4.509 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion: 59 Resp: 20953
Ion Ratio Lower Upper
59 100
87 36.5 29.9 44.9





#33

Tert-Amyl methyl ether

Concen: 0.463 ug/l

RT: 5.949 min Scan# 1449

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 73 Resp: 1342

Ion Ratio Lower Upper

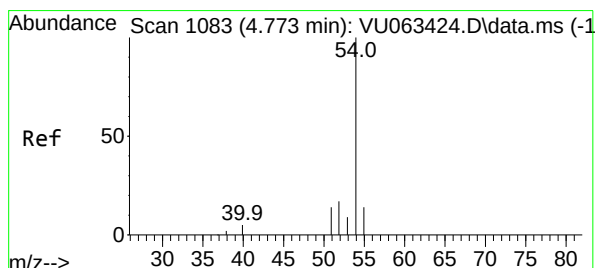
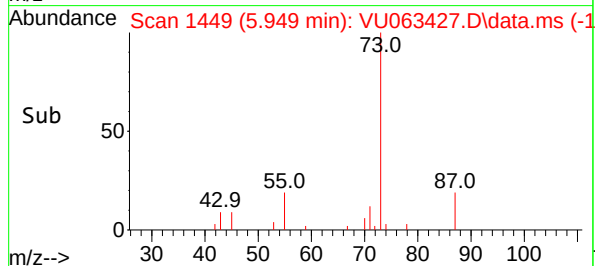
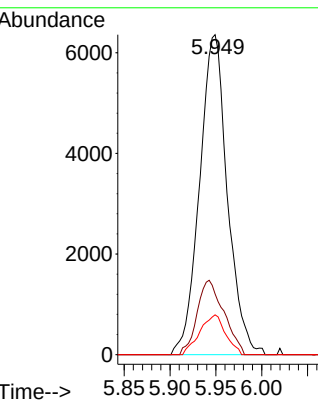
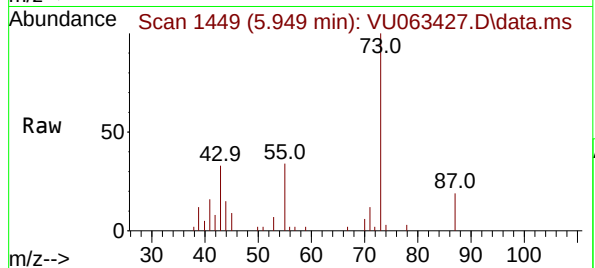
73 100

87 22.3 18.1 27.1

71 11.5 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#34

Propionitrile

Concen: 2.953 ug/l

RT: 4.785 min Scan# 1087

Delta R.T. 0.013 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion: 54 Resp: 4468

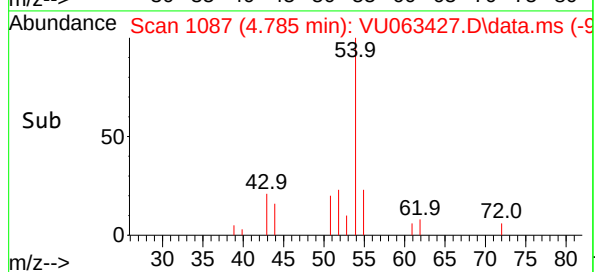
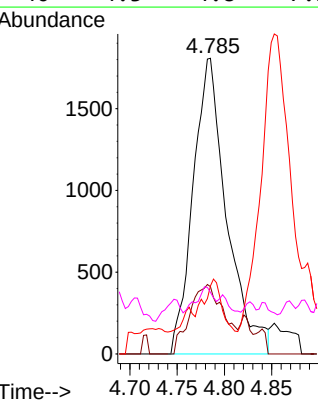
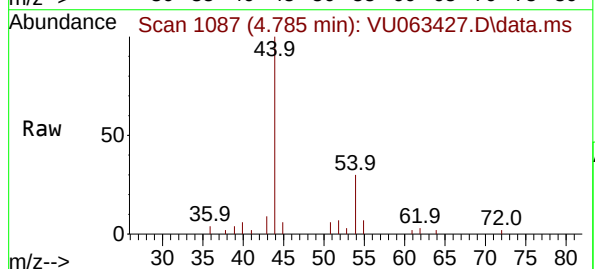
Ion Ratio Lower Upper

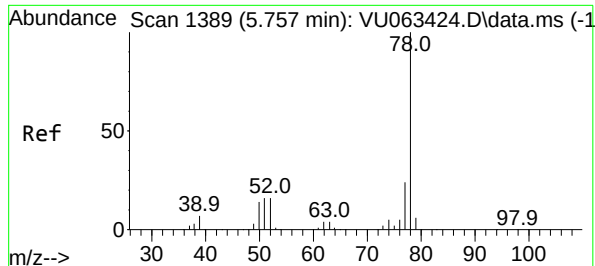
54 100

52 24.1 14.8 22.2#

55 10.2 12.2 18.2#

40 4.3 4.8 7.2#





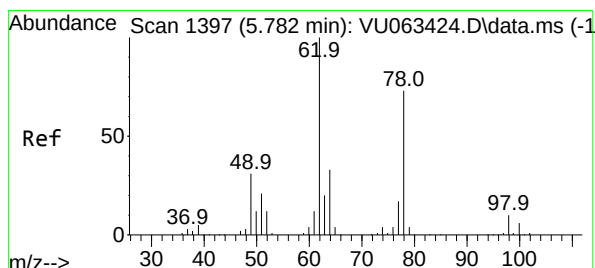
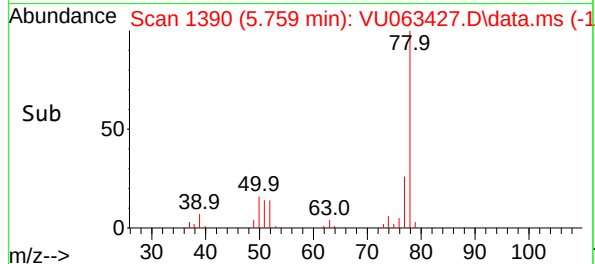
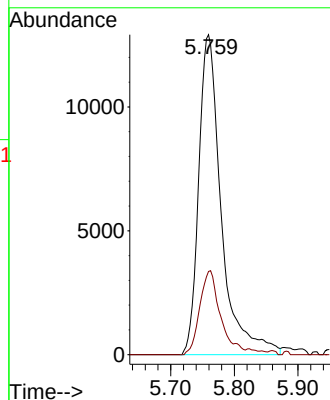
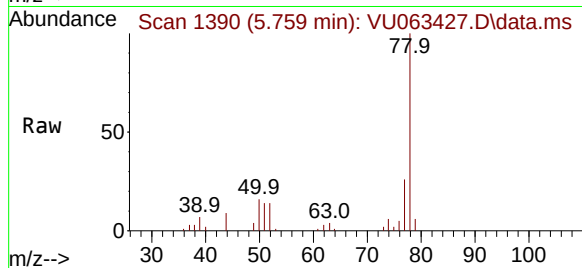
#35
Benzene
Concen: 0.495 ug/l
RT: 5.759 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 78 Resp: 31874
Ion Ratio Lower Upper
78 100
77 26.0 19.4 29.2

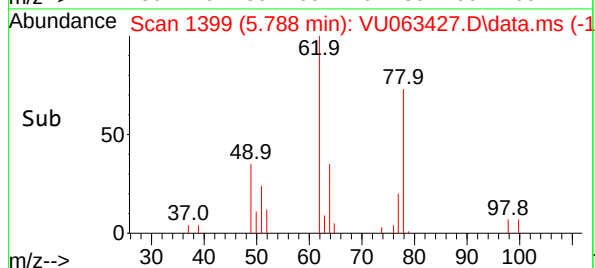
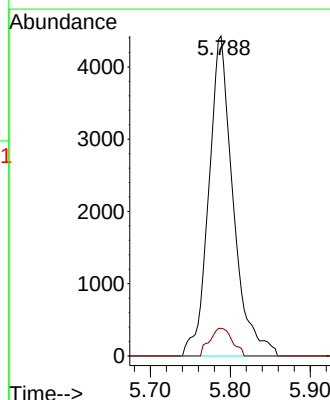
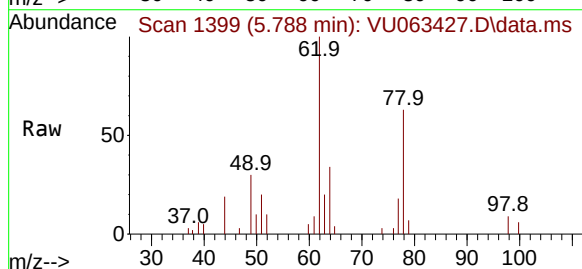
Manual Integrations
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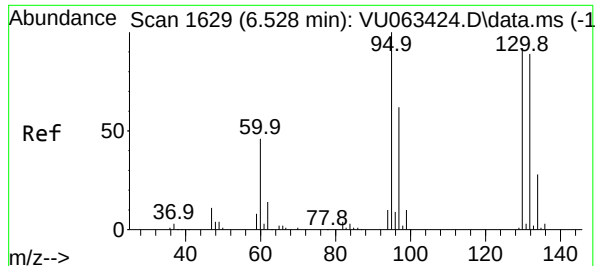
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 0.498 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion: 62 Resp: 9372
Ion Ratio Lower Upper
62 100
98 8.0 7.1 10.7





#37

Trichloroethene

Concen: 0.472 ug/l

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:130 Resp: 7179

Ion Ratio Lower Upper

130 100

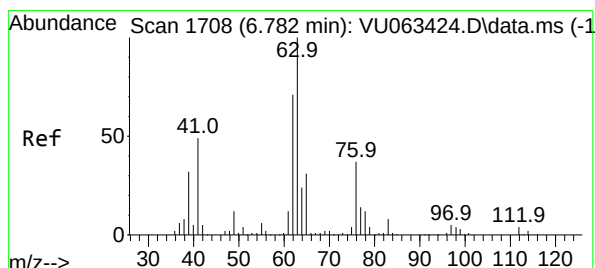
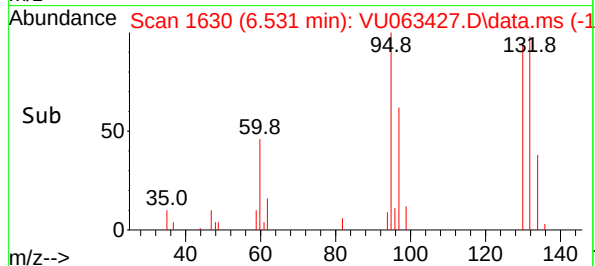
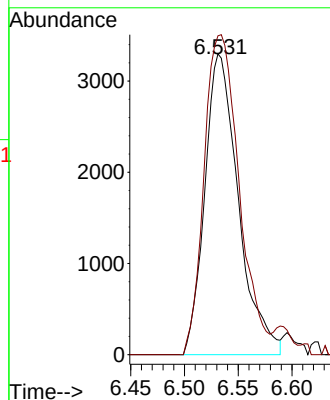
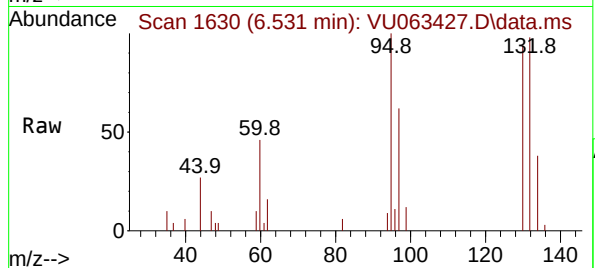
95 106.0 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 0.458 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. 0.003 min

Lab File: VU063427.D

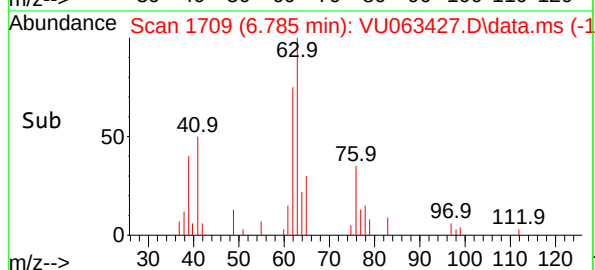
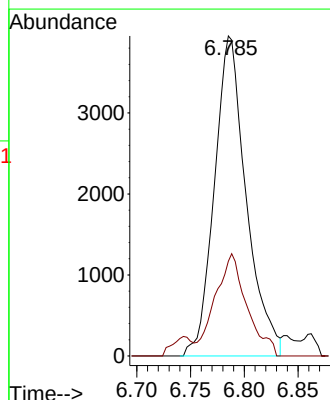
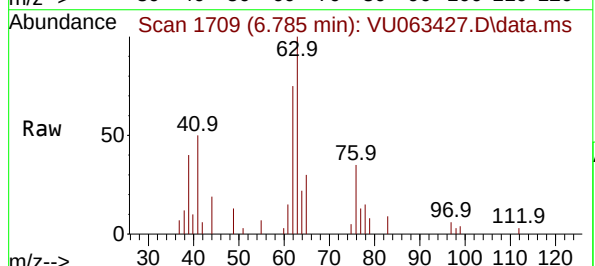
Acq: 23 Jun 2025 14:36

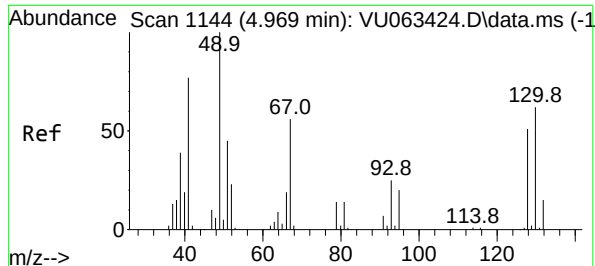
Tgt Ion: 63 Resp: 8136

Ion Ratio Lower Upper

63 100

65 29.6 25.0 37.6





#39

Methacrylonitrile

Concen: 0.631 ug/l

RT: 4.981 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 41 Resp: 3970

Ion Ratio Lower Upper

41 100

67 57.8 59.8 89.8

39 41.3 40.7 61.1

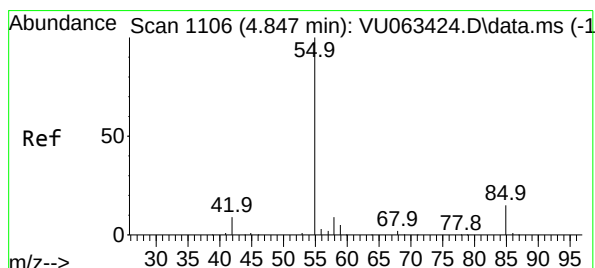
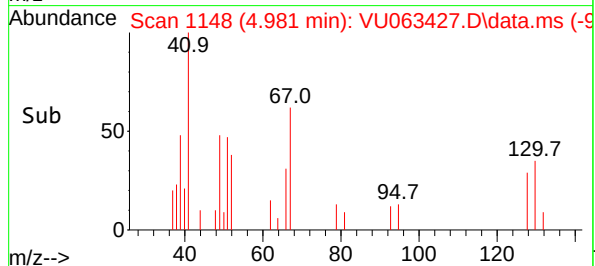
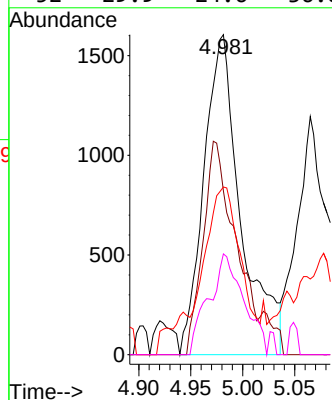
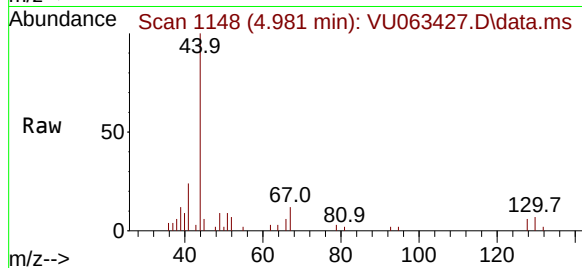
52 29.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 0.569 ug/l m

RT: 4.853 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion: 55 Resp: 5040

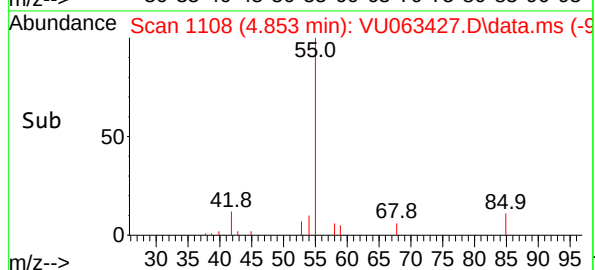
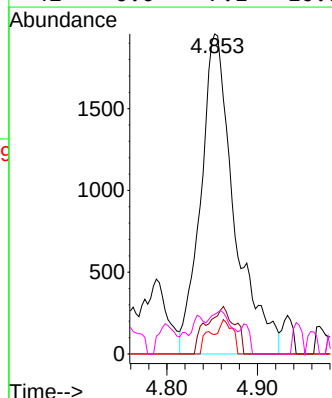
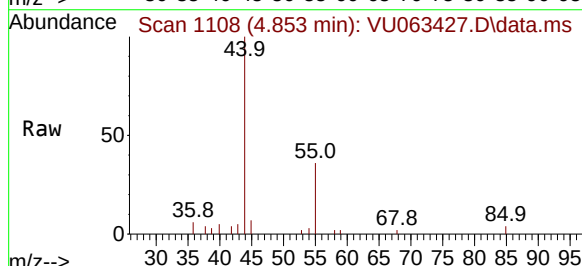
Ion Ratio Lower Upper

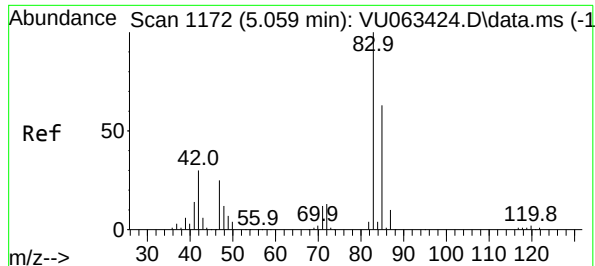
55 100

85 0.0 12.6 19.0#

58 2.4 6.9 10.3#

42 0.0 7.1 10.7#





#41

Tetrahydrofuran

Concen: 1.281 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

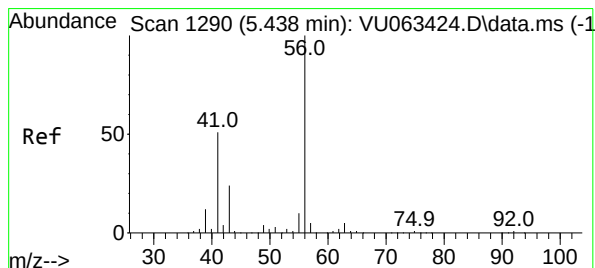
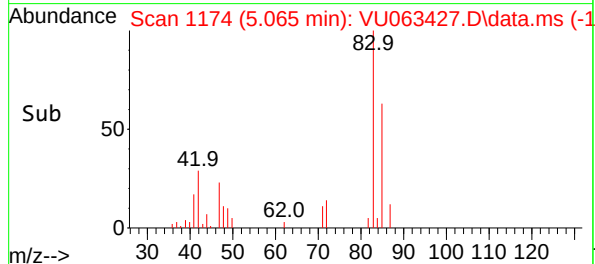
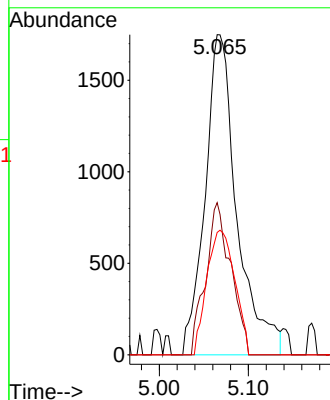
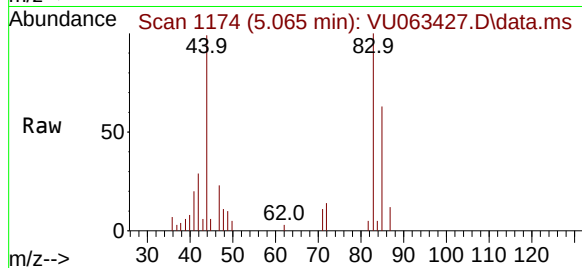
VSTDIC0.5

Tgt Ion: 42	Resp: 4338
Ion Ratio	Lower Upper
42	100
72	37.5 35.4 53.2
71	34.2 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 0.483 ug/l m

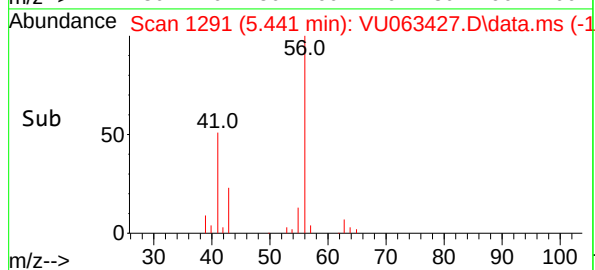
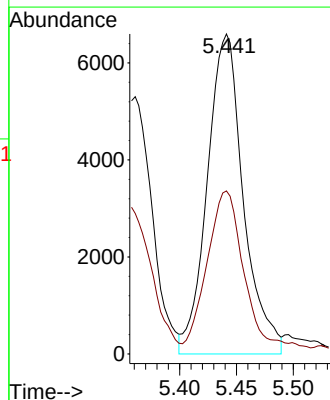
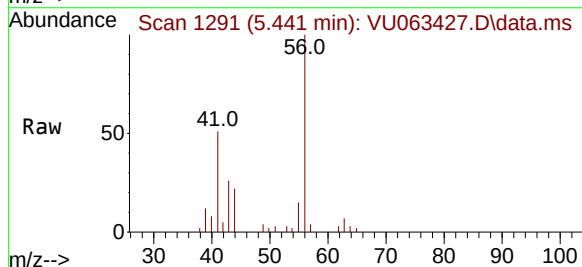
RT: 5.441 min Scan# 1291

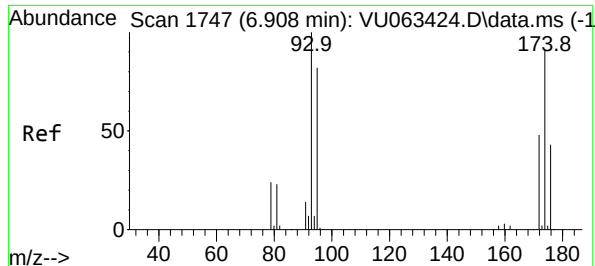
Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion: 56	Resp: 14591
Ion Ratio	Lower Upper
56	100
41	50.3 26.4 79.0





#43

Dibromomethane

Concen: 0.516 ug/l

RT: 6.914 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 93 Resp: 428

Ion Ratio Lower Upper

93 100

95 72.4 66.7 100.1

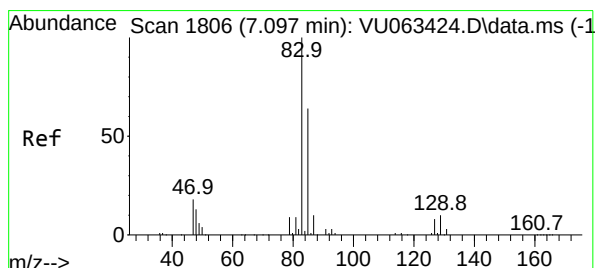
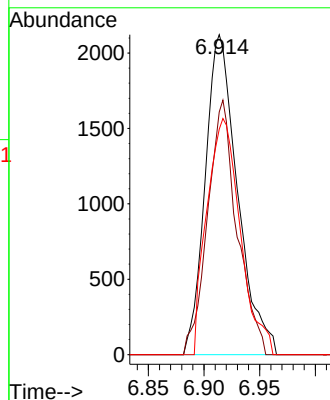
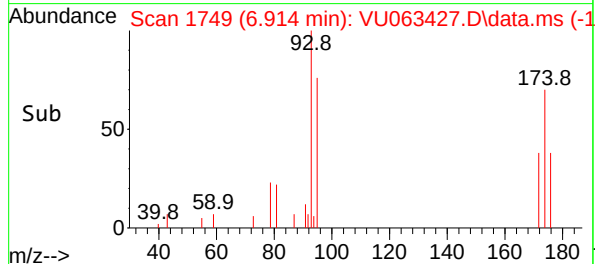
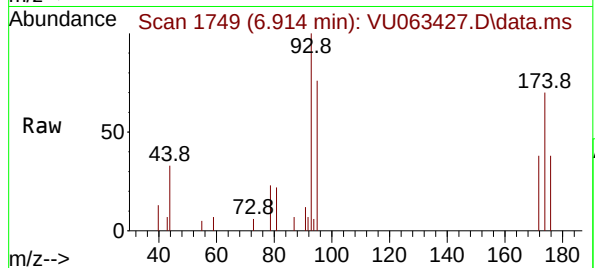
174 76.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 0.499 ug/l

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

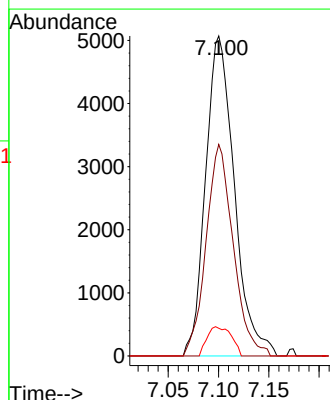
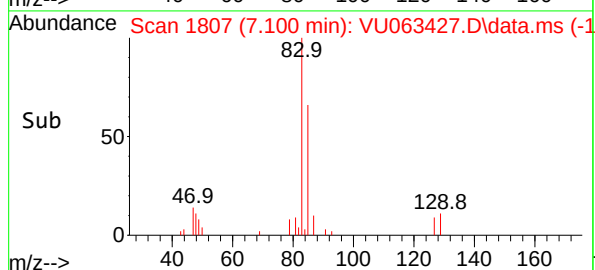
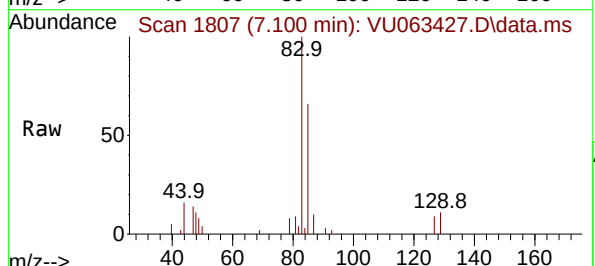
Tgt Ion: 83 Resp: 10088

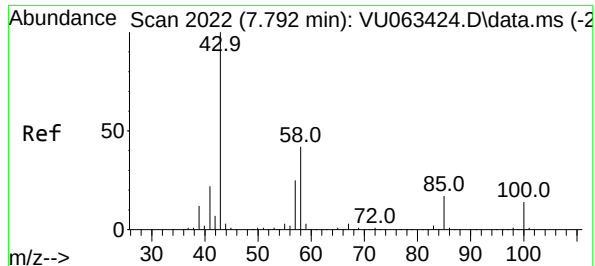
Ion Ratio Lower Upper

83 100

85 66.1 51.4 77.2

127 8.6 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 2.187 ug/l

RT: 7.804 min Scan# 2026

Delta R.T. 0.013 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

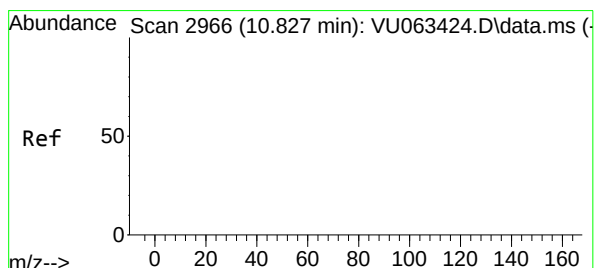
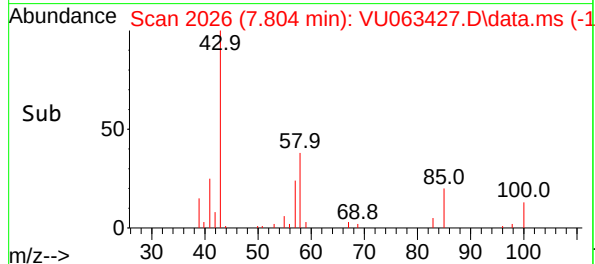
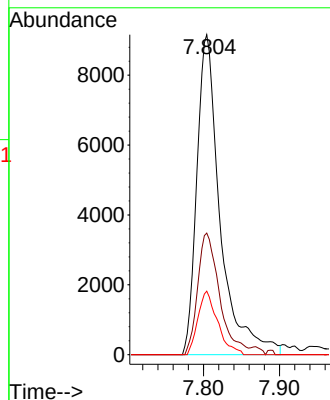
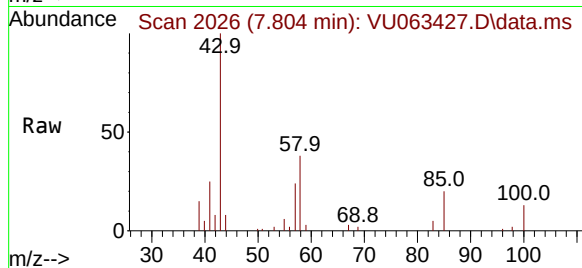
VSTDIC0.5

Tgt Ion:	43	Resp:	1950
Ion	Ratio	Lower	Upper
43	100		
58	35.6	20.5	61.6
85	16.8	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 1.285 ug/l m

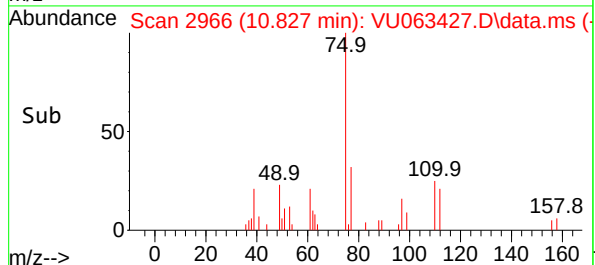
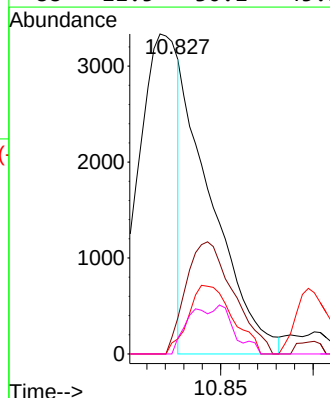
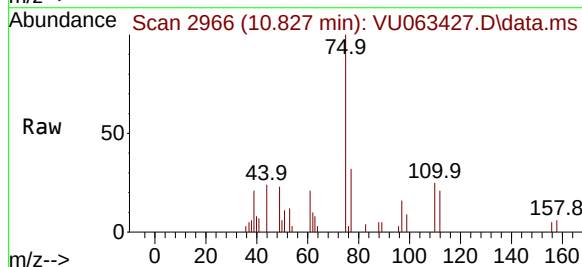
RT: 10.827 min Scan# 2966

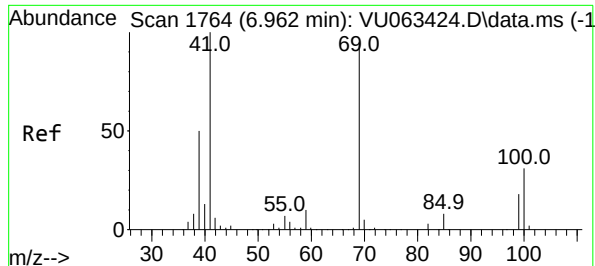
Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	75	Resp:	3657
Ion	Ratio	Lower	Upper
75	100		
53	57.4	61.4	92.2#
89	32.4	39.2	58.8#
88	11.5	30.1	45.1#





#47

Methyl methacrylate

Concen: 1.504 ug/l

RT: 6.978 min Scan# 1769

Delta R.T. 0.016 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 69 Resp: 489

Ion Ratio Lower Upper

69 100

41 111.4 0.0 212.6

39 50.3 40.6 61.0

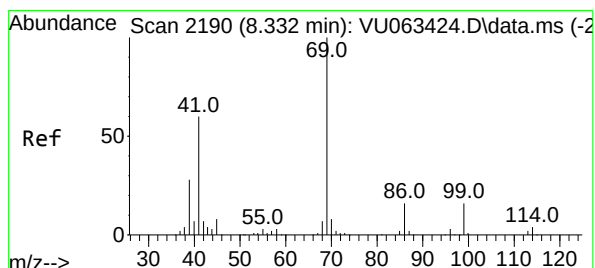
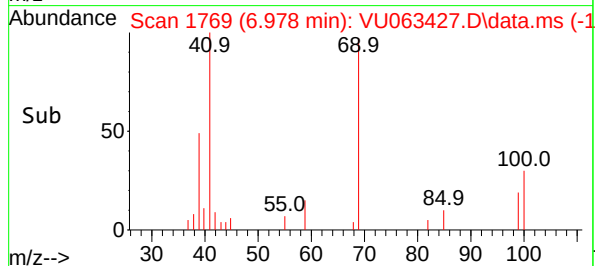
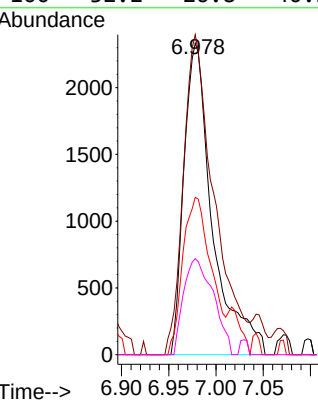
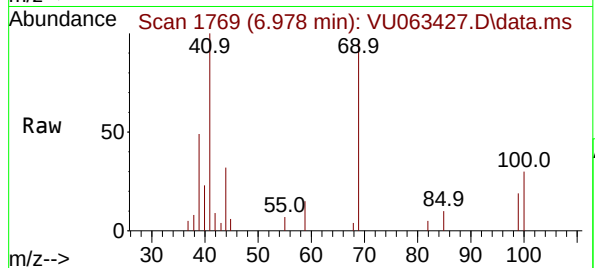
100 32.2 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 0.650 ug/l

RT: 8.341 min Scan# 2193

Delta R.T. 0.009 min

Lab File: VU063427.D

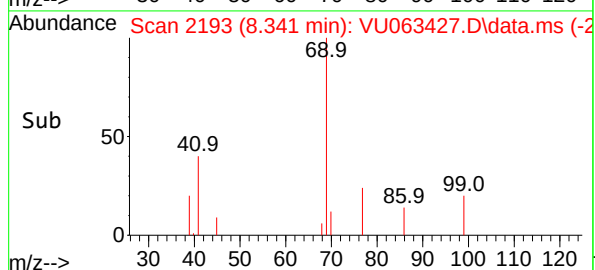
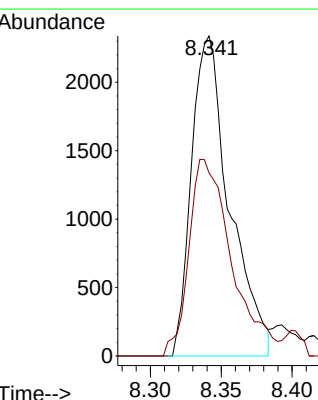
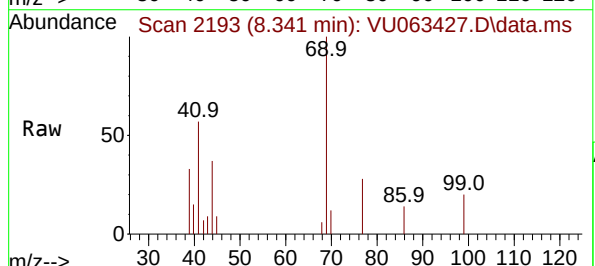
Acq: 23 Jun 2025 14:36

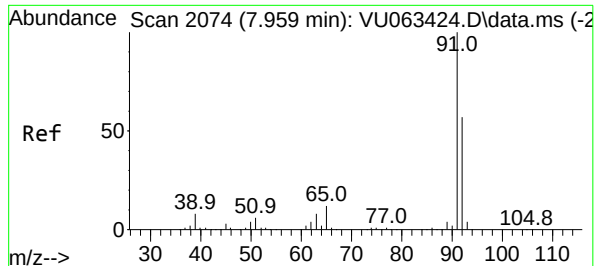
Tgt Ion: 69 Resp: 4371

Ion Ratio Lower Upper

69 100

41 68.7 30.6 92.0





#49

Toluene

Concen: 0.411 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 92 Resp: 14519

Ion Ratio Lower Upper

92 100

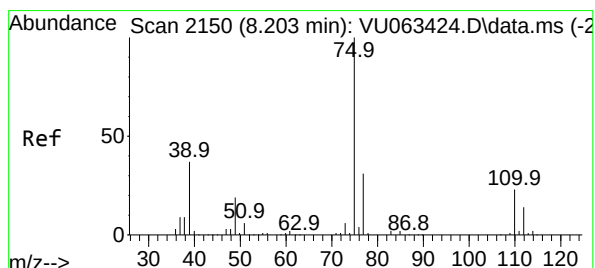
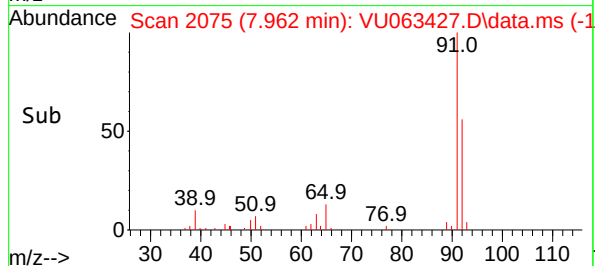
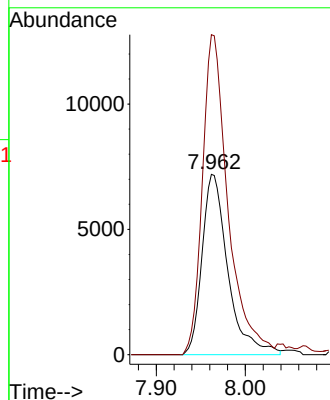
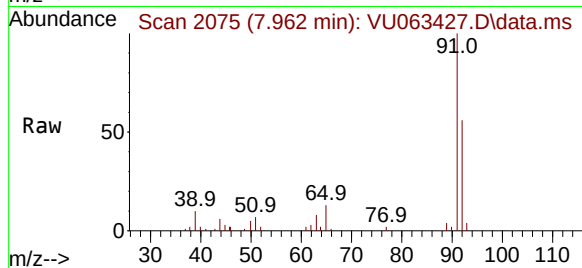
91 175.3 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 0.412 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063427.D

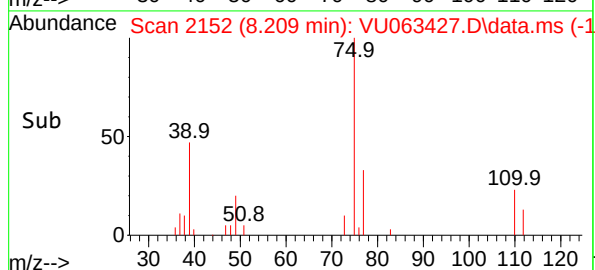
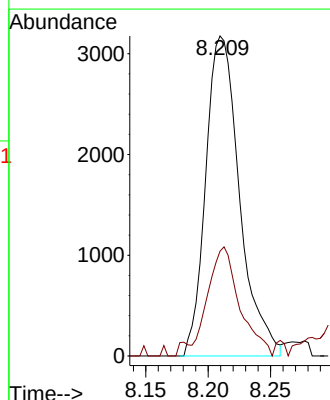
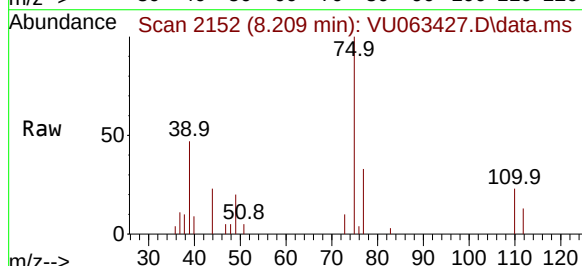
Acq: 23 Jun 2025 14:36

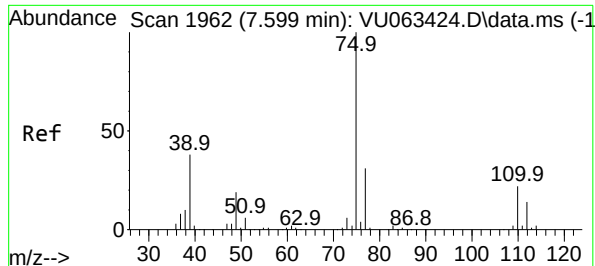
Tgt Ion: 75 Resp: 6008

Ion Ratio Lower Upper

75 100

77 28.6 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 0.413 ug/l

RT: 7.605 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 808

Ion Ratio Lower Upper

75 100

77 35.3 24.8 37.2

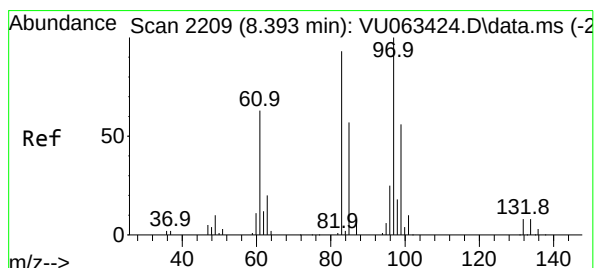
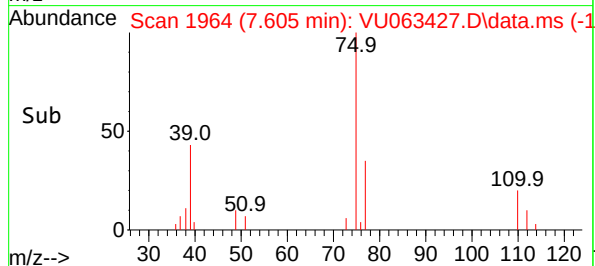
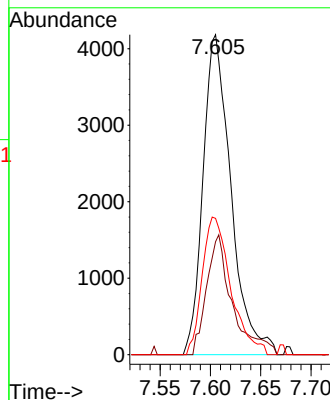
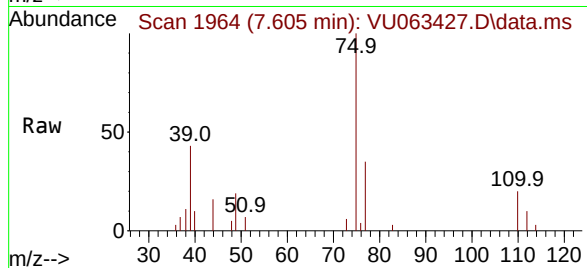
39 42.6 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 0.485 ug/l

RT: 8.399 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion: 97 Resp: 5889

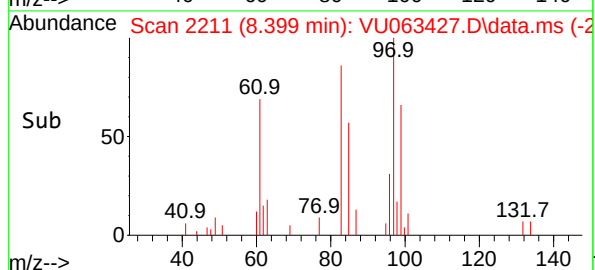
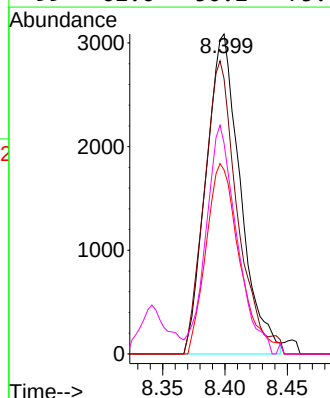
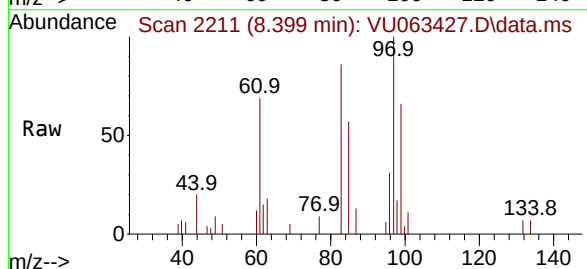
Ion Ratio Lower Upper

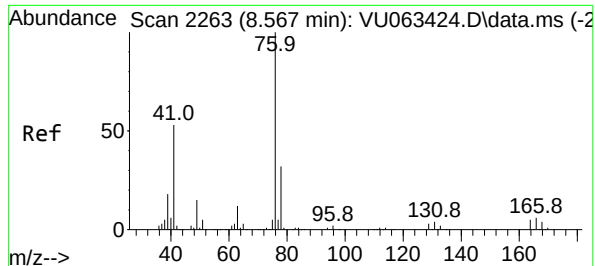
97 100

83 86.1 74.1 111.1

85 57.5 45.8 68.8

99 62.6 50.2 75.4





#53

1,3-Dichloropropane

Concen: 0.491 ug/l

RT: 8.573 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 76 Resp: 1026

Ion Ratio Lower Upper

76 100

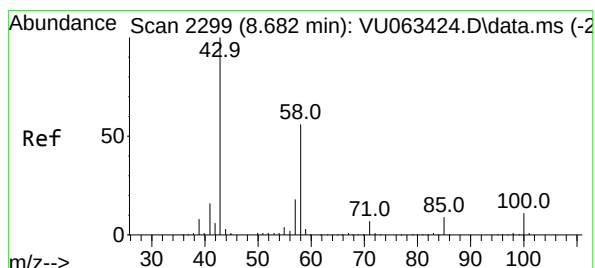
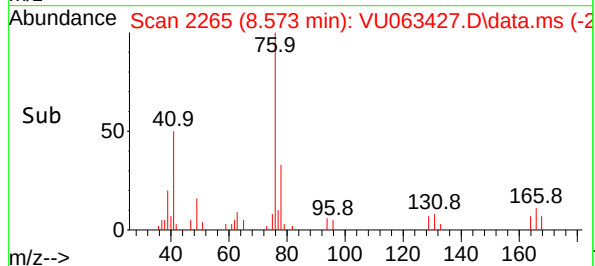
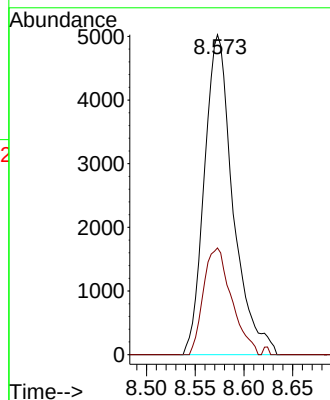
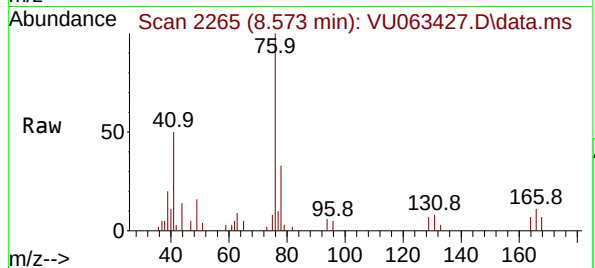
78 32.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 3.353 ug/l

RT: 8.698 min Scan# 2304

Delta R.T. 0.016 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

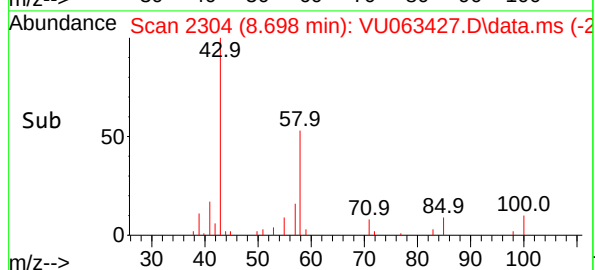
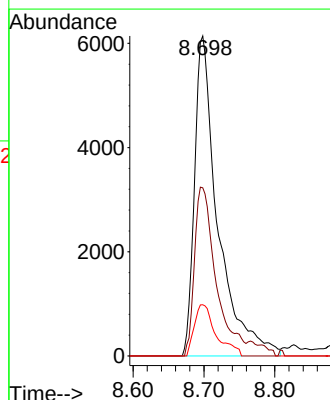
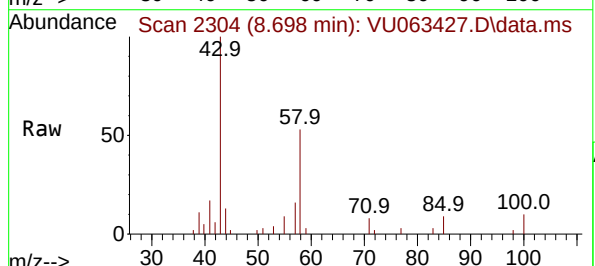
Tgt Ion: 43 Resp: 14049

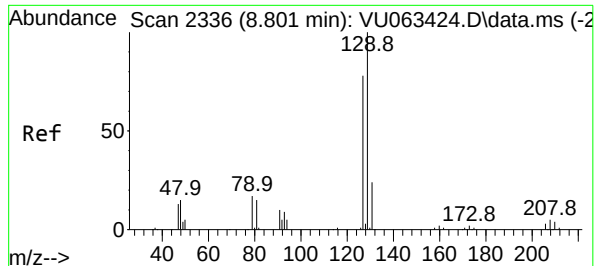
Ion Ratio Lower Upper

43 100

58 48.6 36.9 76.9

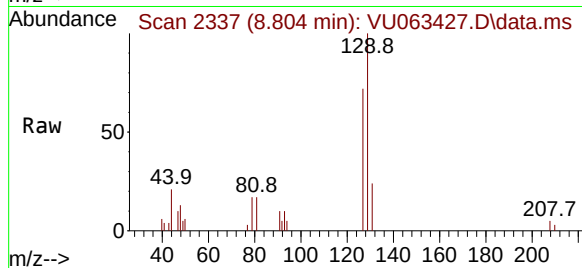
57 14.8 0.0 38.8





#55
Dibromochloromethane
Concen: 0.488 ug/l
RT: 8.804 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

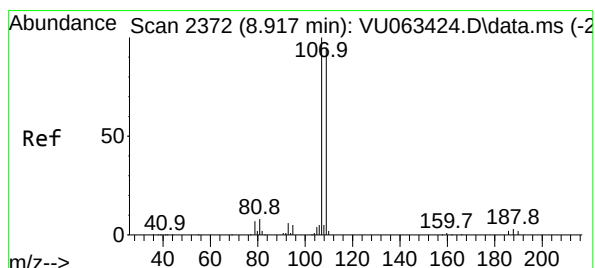
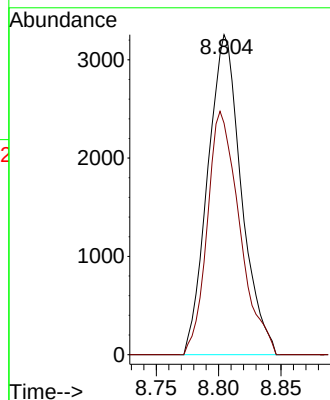
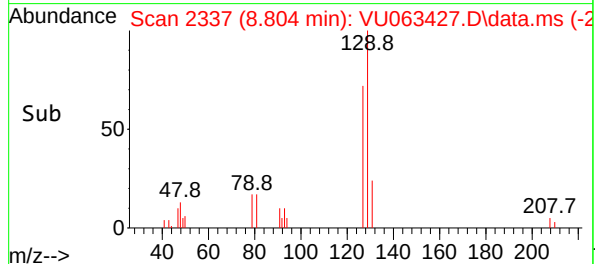
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion:129 Resp: 6110
Ion Ratio Lower Upper
129 100
127 73.3 62.6 93.8

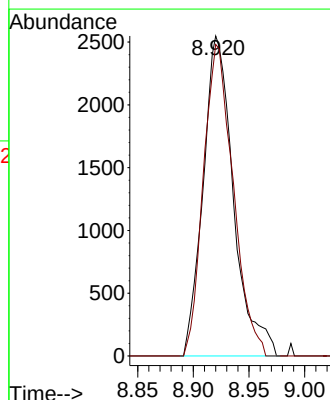
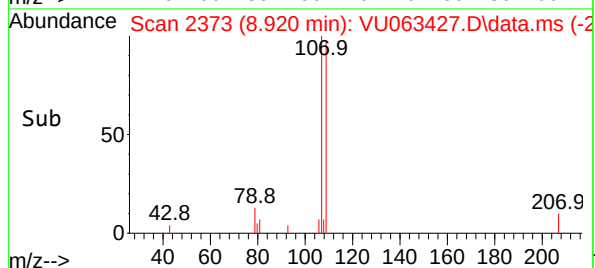
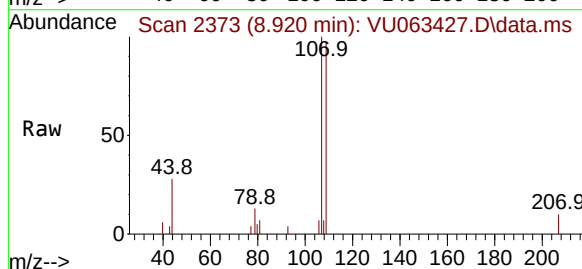
Manual Integrations
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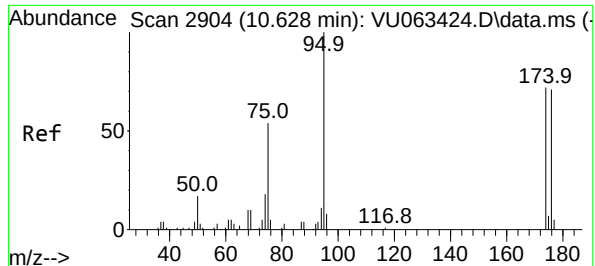
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#56
1,2-Dibromoethane
Concen: 0.491 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

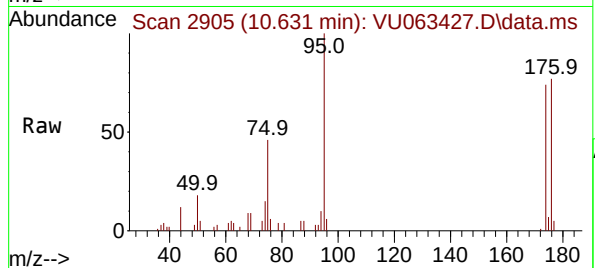
Tgt Ion:107 Resp: 4832
Ion Ratio Lower Upper
107 100
109 95.5 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.853 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

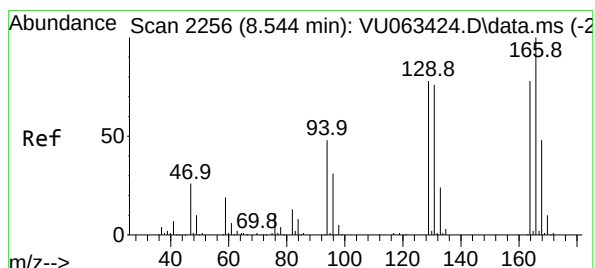
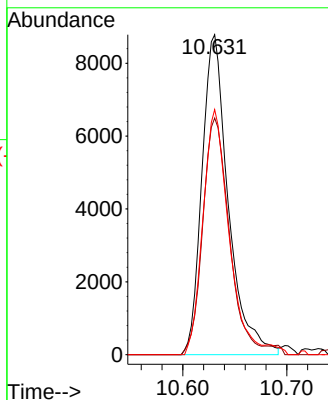
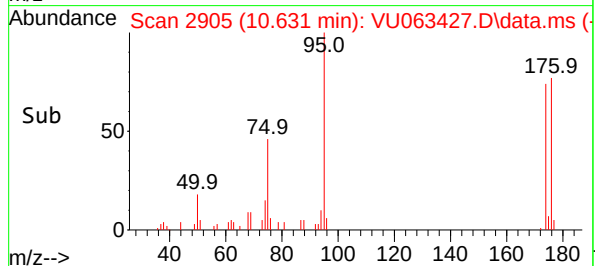
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 95 Resp: 1546
Ion Ratio Lower Upper
95 100
174 74.1 59.4 89.2
176 74.8 57.8 86.6

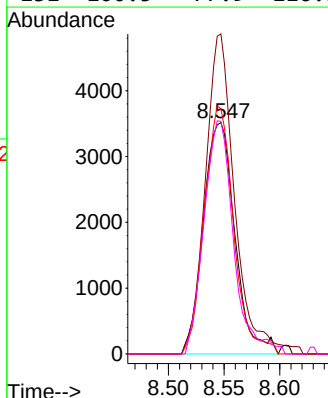
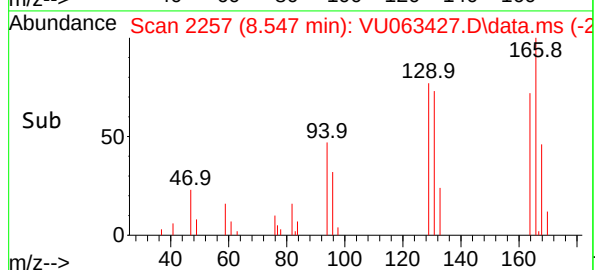
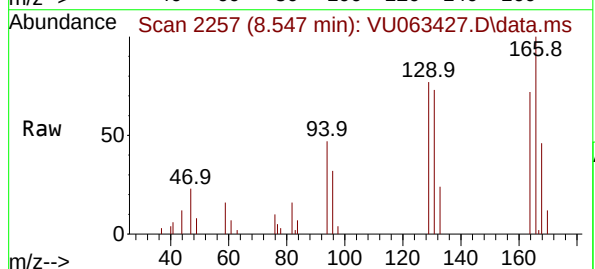
Manual Integrations
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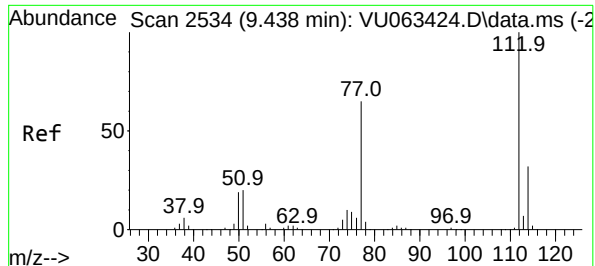
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#58
Tetrachloroethene
Concen: 0.463 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion:164 Resp: 6912
Ion Ratio Lower Upper
164 100
166 138.3 102.8 154.2
129 106.0 80.2 120.2
131 100.5 77.9 116.9





#59

Chlorobenzene

Concen: 0.450 ug/l

RT: 9.444 min Scan# 2536

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:112 Resp: 1702

Ion Ratio Lower Upper

112 100

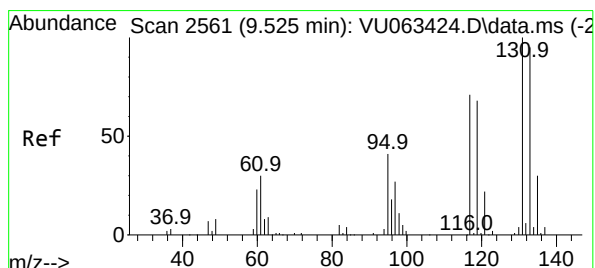
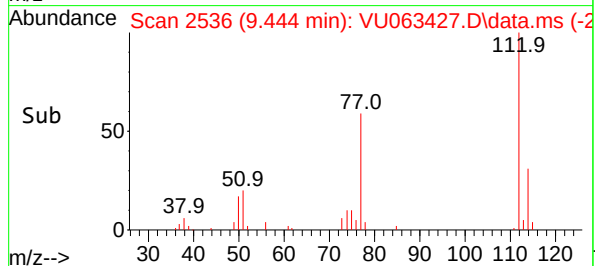
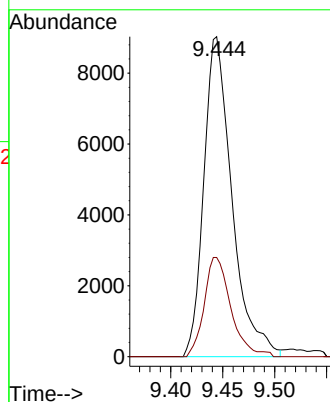
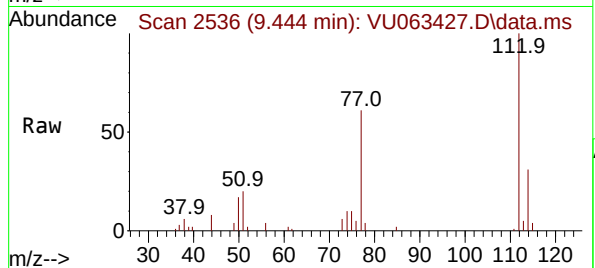
114 31.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.494 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

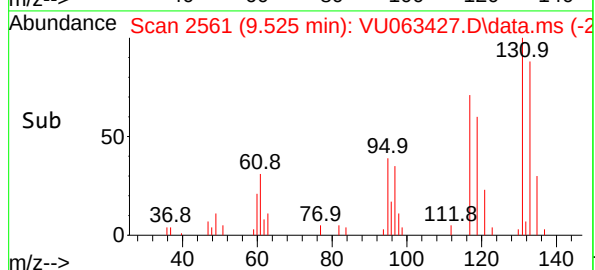
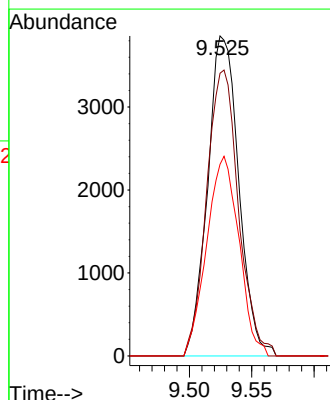
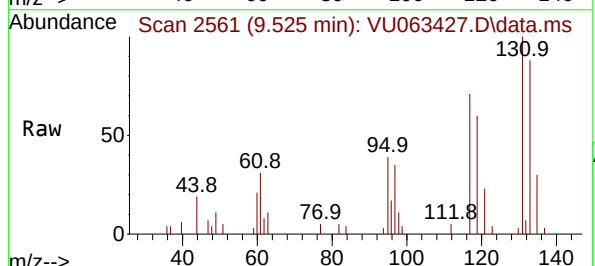
Tgt Ion:131 Resp: 6725

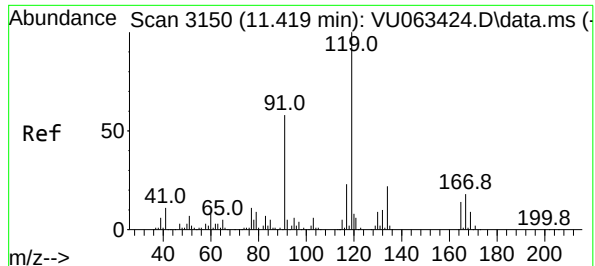
Ion Ratio Lower Upper

131 100

133 91.3 76.1 114.1

119 64.5 53.7 80.5





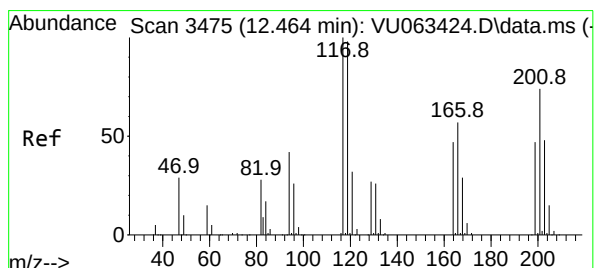
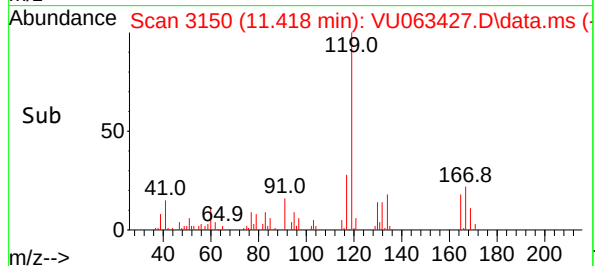
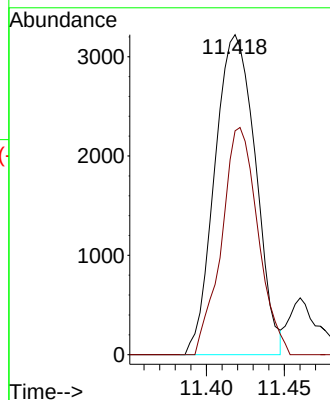
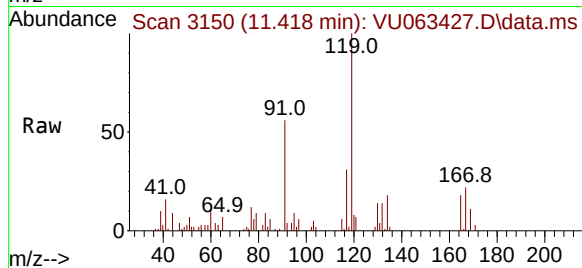
#61
Pentachloroethane
Concen: 0.528 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 5850
Ion Ratio Lower Upper
117 100
167 63.4 58.1 87.1

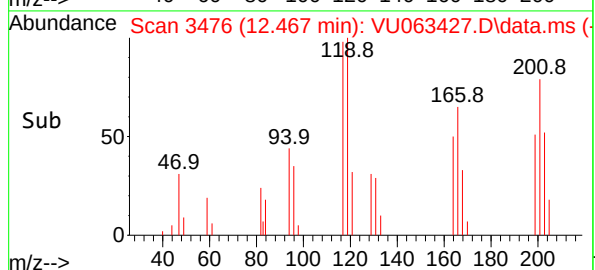
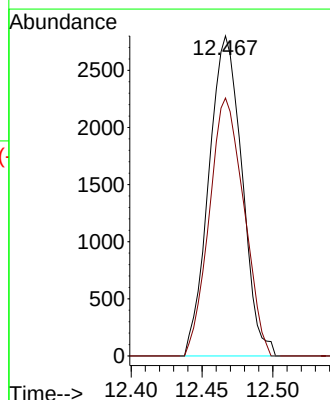
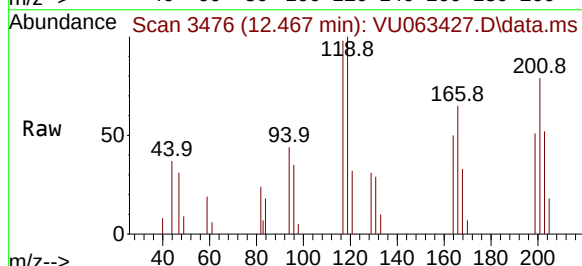
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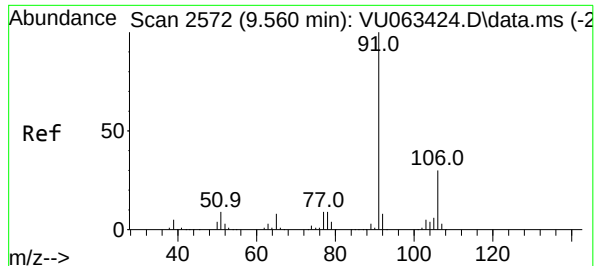
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 0.457 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion:117 Resp: 4560
Ion Ratio Lower Upper
117 100
201 84.0 60.4 90.6





#63

Ethyl Benzene

Concen: 0.398 ug/l

RT: 9.563 min Scan# 2413

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 2413

Ion Ratio Lower Upper

91 100

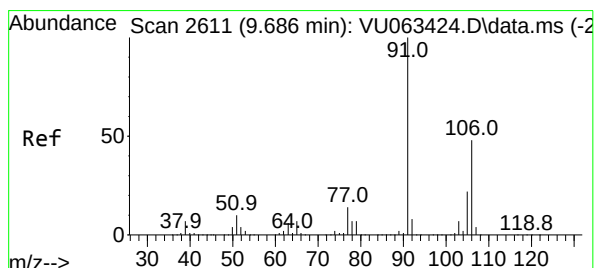
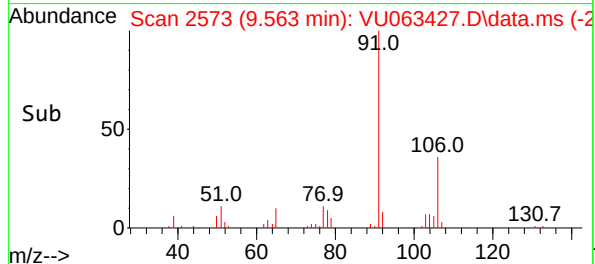
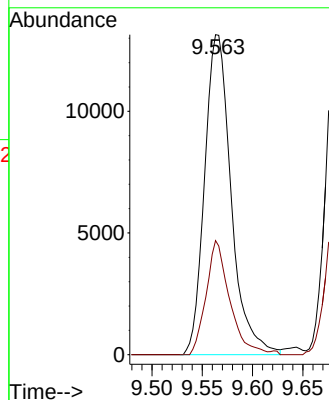
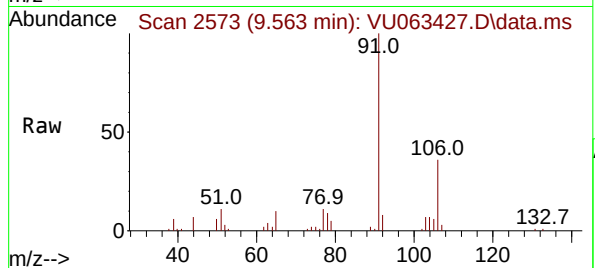
106 35.7 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#64

m/p-Xylenes

Concen: 1.369 ug/l

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU063427.D

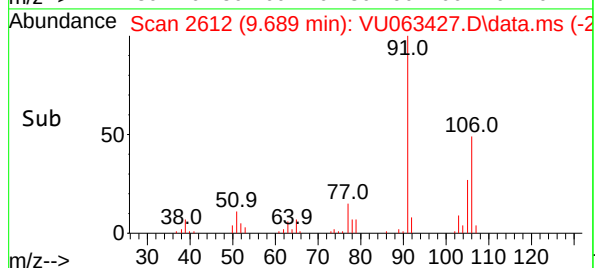
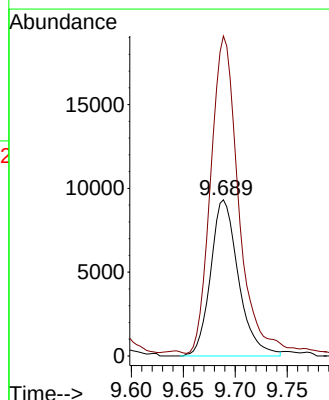
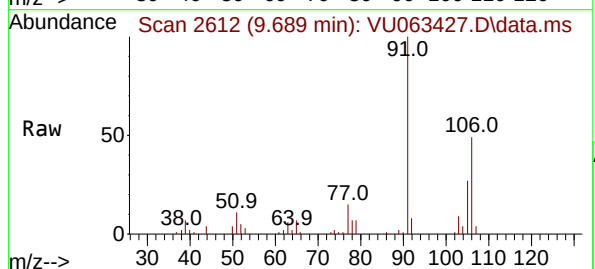
Acq: 23 Jun 2025 14:36

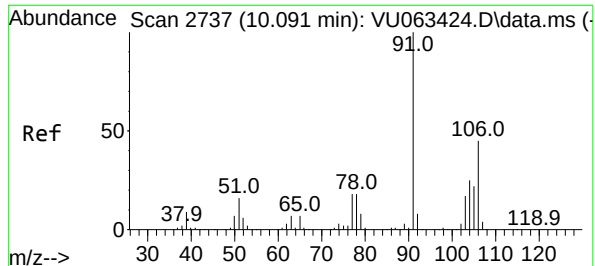
Tgt Ion:106 Resp: 17362

Ion Ratio Lower Upper

106 100

91 206.5 169.9 254.9





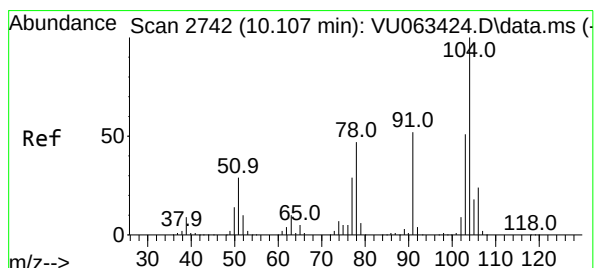
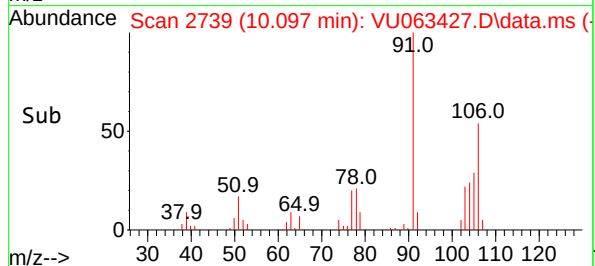
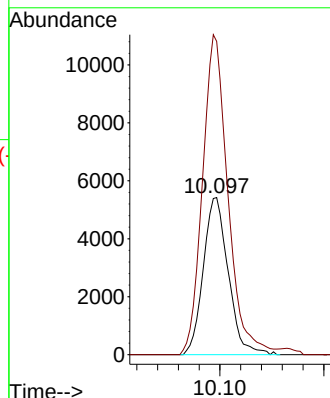
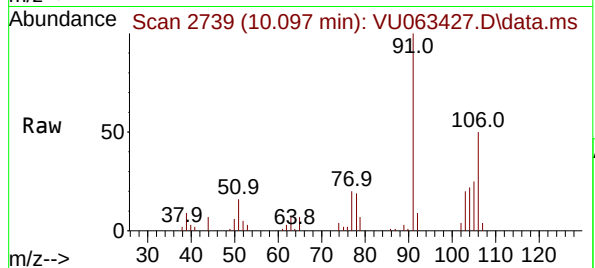
#65
o-Xylene
Concen: 0.392 ug/l
RT: 10.097 min Scan# 2737
Delta R.T. 0.006 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 9040
Ion Ratio Lower Upper
106 100
91 207.5 110.8 332.3

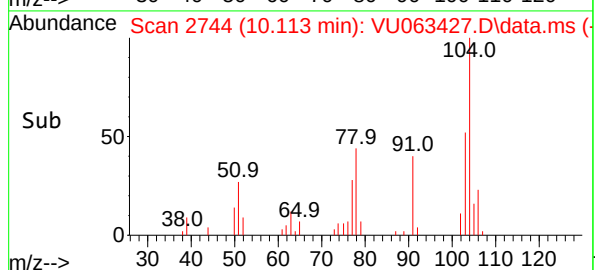
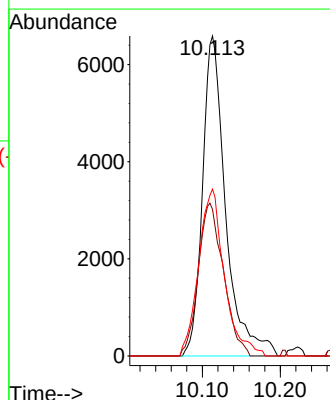
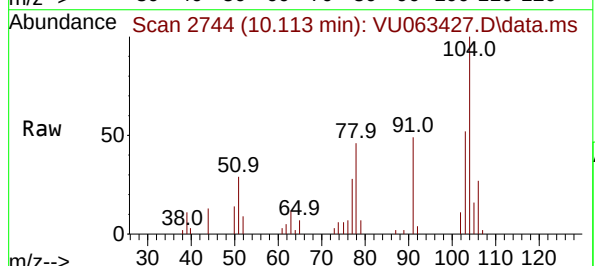
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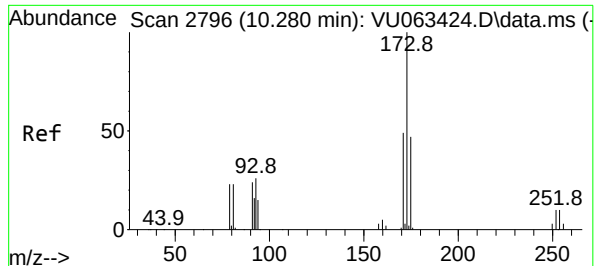
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 0.695 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

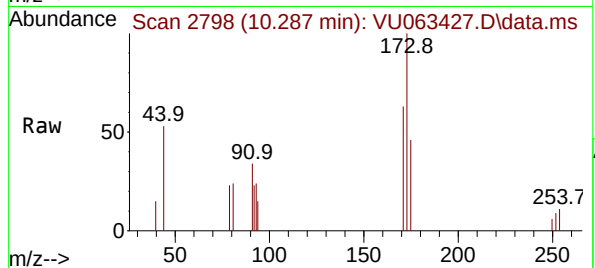
Tgt Ion:104 Resp: 13591
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 57.9 44.6 67.0





#67
Bromoform
Concen: 0.457 ug/l
RT: 10.287 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

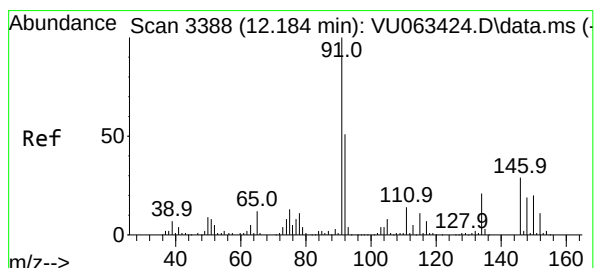
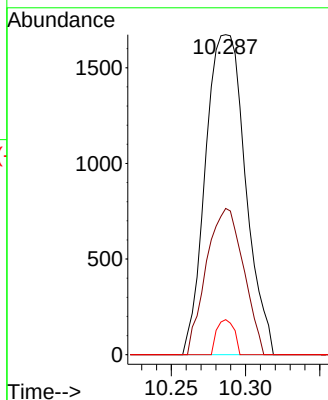
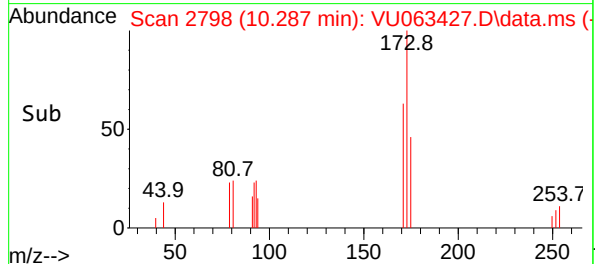
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



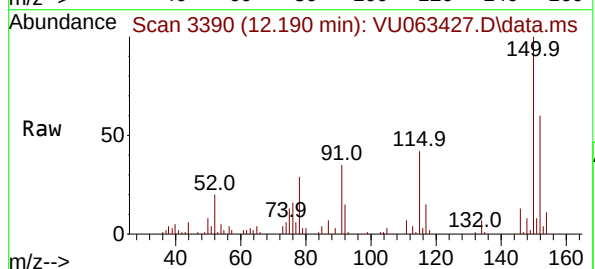
Tgt Ion:173 Resp: 3128
Ion Ratio Lower Upper
173 100
175 42.5 38.2 57.2
254 4.8 7.6 11.4

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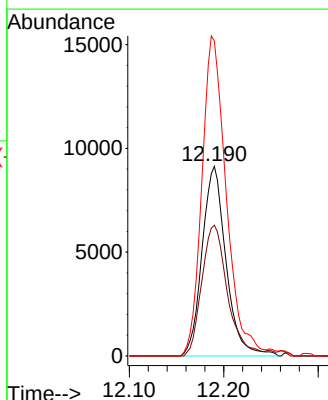
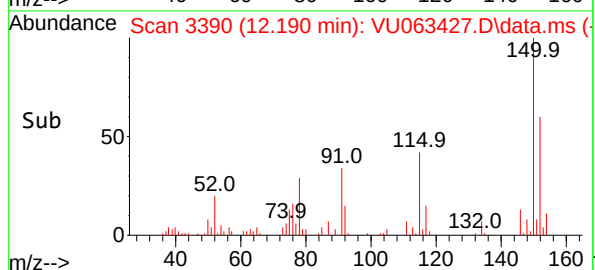
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

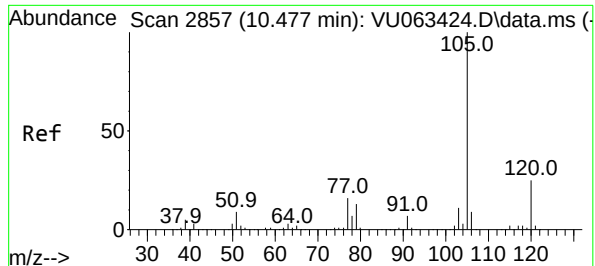


#68
1,2-Dichlorobenzene-d4
Concen: 0.881 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.006 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36



Tgt Ion:152 Resp: 16058
Ion Ratio Lower Upper
152 100
115 73.9 0.0 327.6
150 171.6 0.0 664.4





#69

Isopropylbenzene

Concen: 0.385 ug/l

RT: 10.479 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 20554

Ion Ratio Lower Upper

105 100

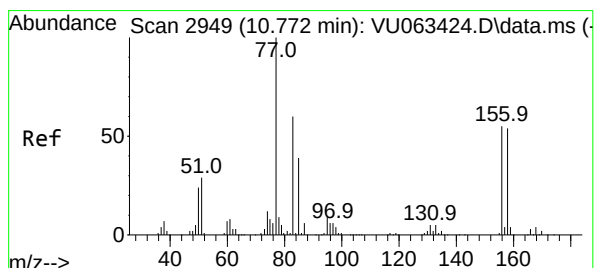
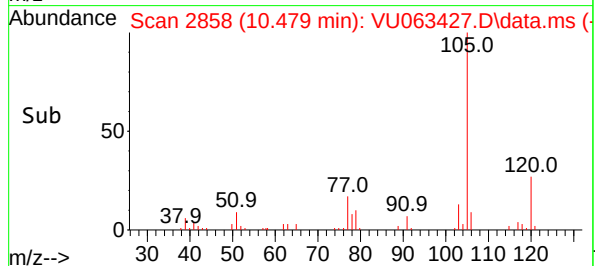
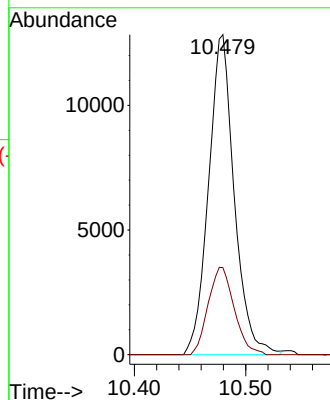
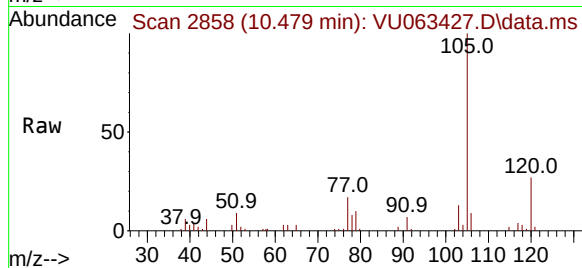
120 27.7 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.517 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

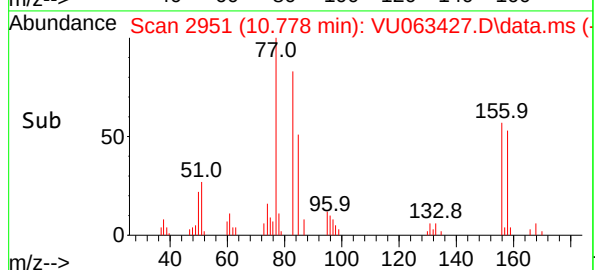
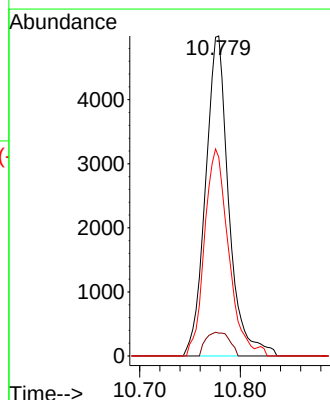
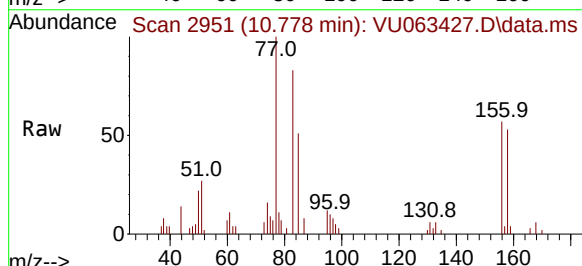
Tgt Ion: 83 Resp: 8029

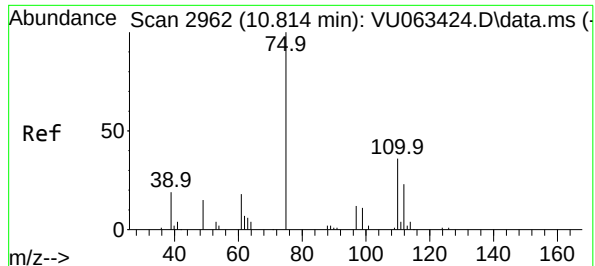
Ion Ratio Lower Upper

83 100

131 7.5 7.4 11.0

85 66.2 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 0.545 ug/l m

RT: 10.817 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 704

Ion Ratio Lower Upper

75 100

77 26.6 0.0 0.0

110 25.4 0.0 63.4

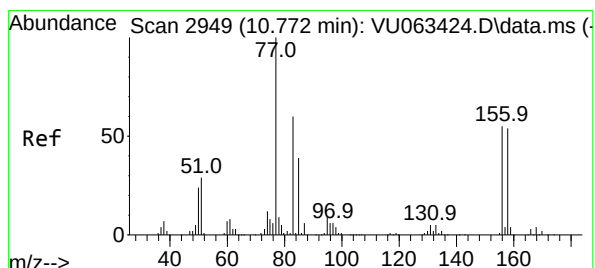
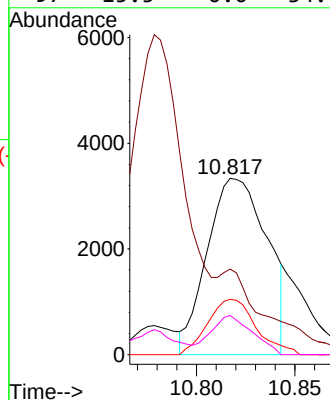
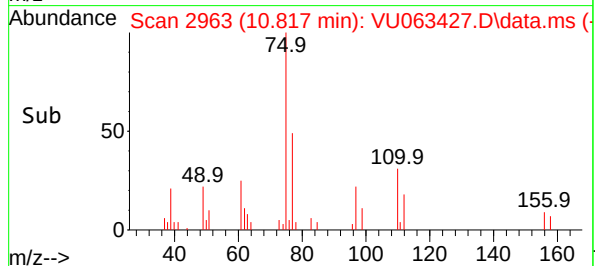
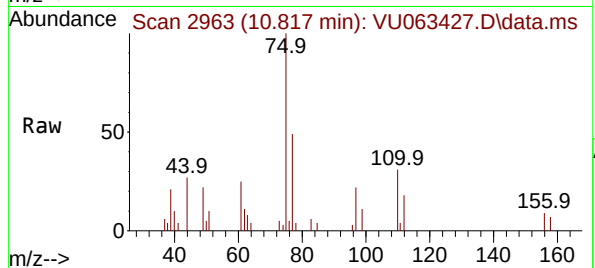
97 15.5 0.0 34.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 0.442 ug/l

RT: 10.782 min Scan# 2952

Delta R.T. 0.010 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

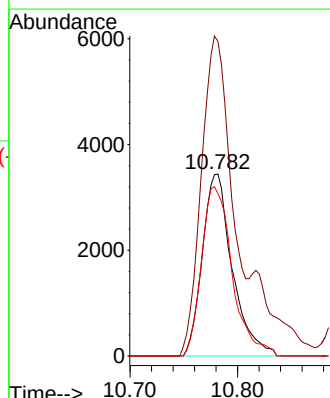
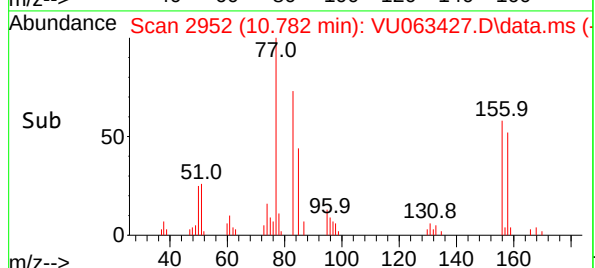
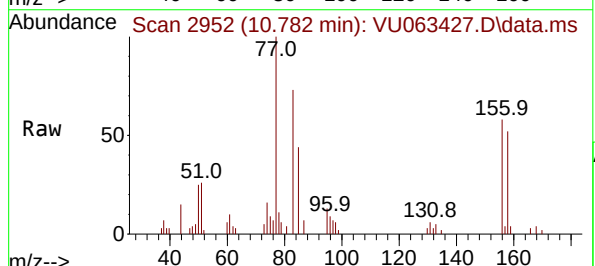
Tgt Ion:156 Resp: 6630

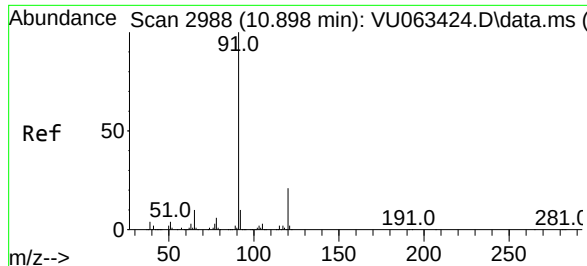
Ion Ratio Lower Upper

156 100

77 178.9 0.0 416.2

158 95.7 0.0 190.6





#73

n-propylbenzene

Concen: 0.665 ug/l

RT: 10.901 min Scan# 2989

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:120 Resp: 6020

Ion Ratio Lower Upper

120 100

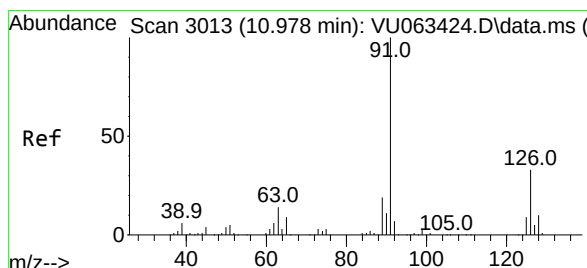
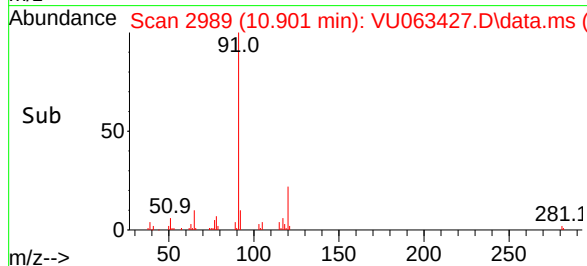
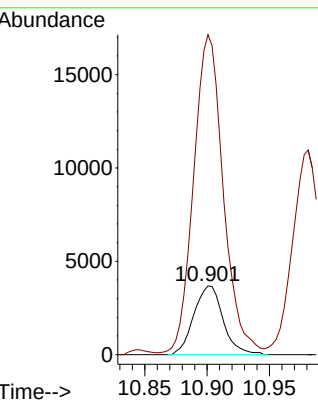
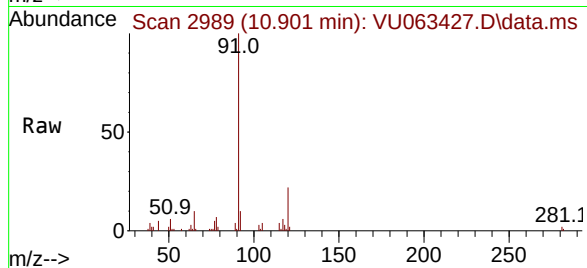
91 466.2 373.7 560.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#74

2-Chlorotoluene

Concen: 0.384 ug/l

RT: 10.981 min Scan# 3014

Delta R.T. 0.003 min

Lab File: VU063427.D

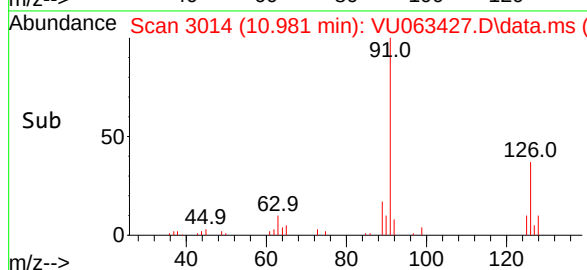
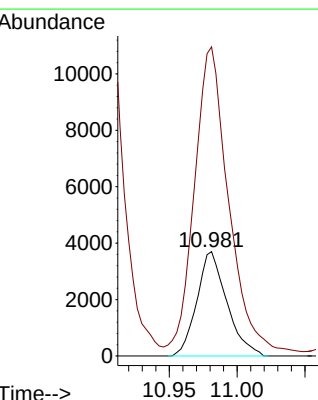
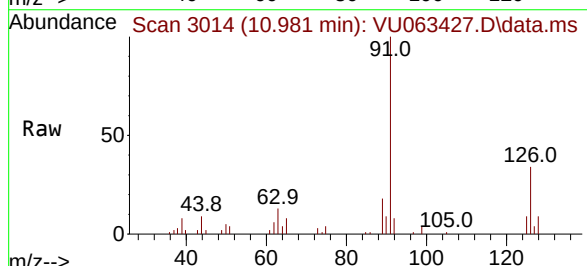
Acq: 23 Jun 2025 14:36

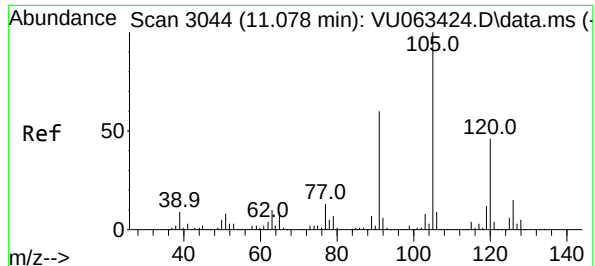
Tgt Ion:126 Resp: 5691

Ion Ratio Lower Upper

126 100

91 328.1 0.0 650.8





#75

1,3,5-Trimethylbenzene

Concen: 0.649 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:105 Resp: 1794

Ion Ratio Lower Upper

105 100

120 48.8 37.0 55.4

Instrument :

MSVOA_U

ClientSampleId :

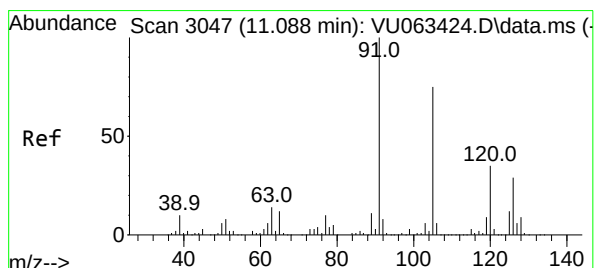
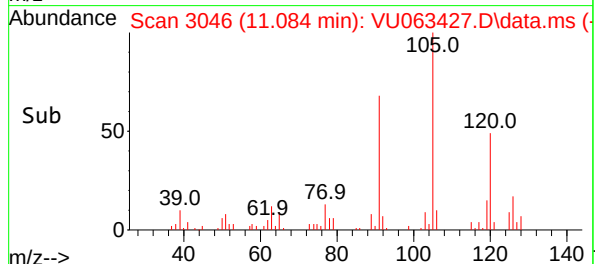
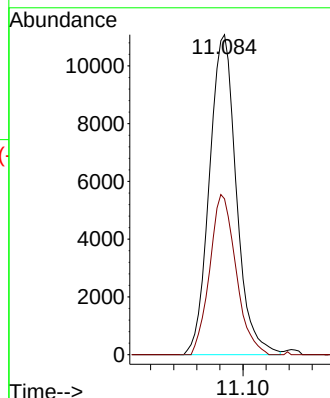
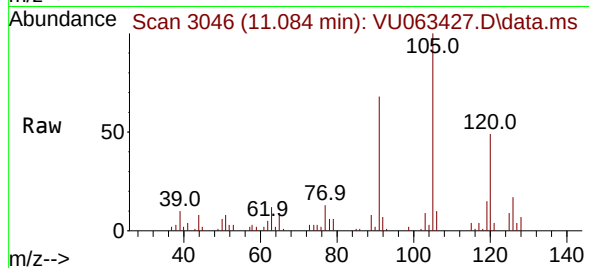
VSTDIC0.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#76

4-Chlorotoluene

Concen: 0.387 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.009 min

Lab File: VU063427.D

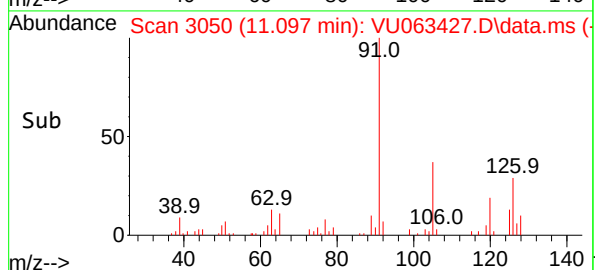
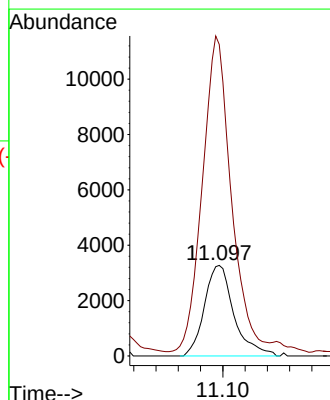
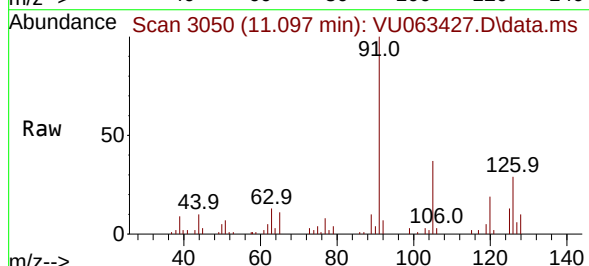
Acq: 23 Jun 2025 14:36

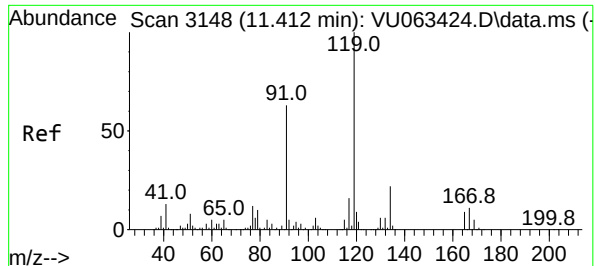
Tgt Ion:126 Resp: 6010

Ion Ratio Lower Upper

126 100

91 339.2 0.0 713.2





#77

tert-Butylbenzene

Concen: 0.392 ug/l

RT: 11.415 min Scan# 3148

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

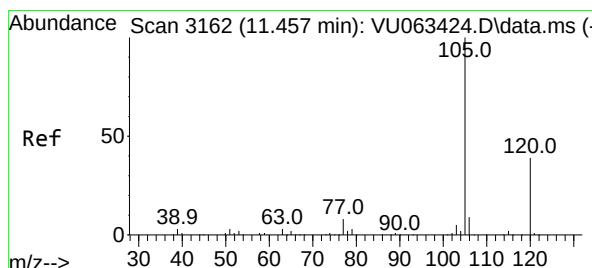
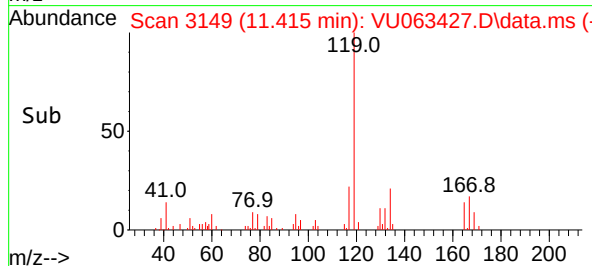
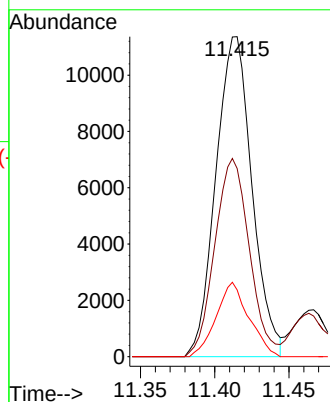
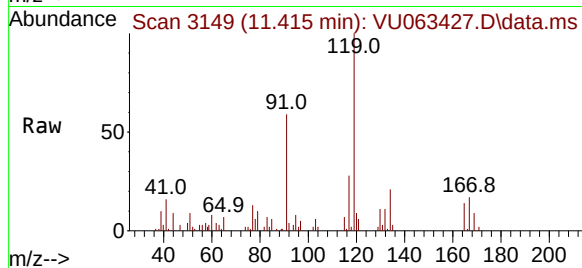
VSTDIC0.5

Tgt Ion:	119	Resp:	1925
Ion Ratio	Lower	Upper	
119	100		
91	59.3	30.9	92.7
134	21.1	17.9	26.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 0.686 ug/l

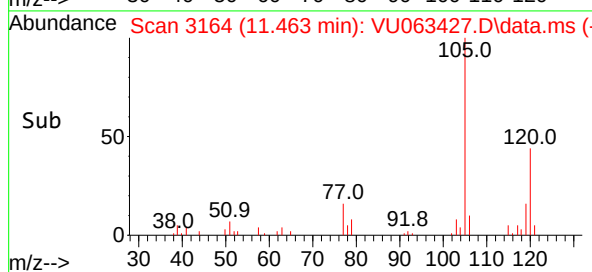
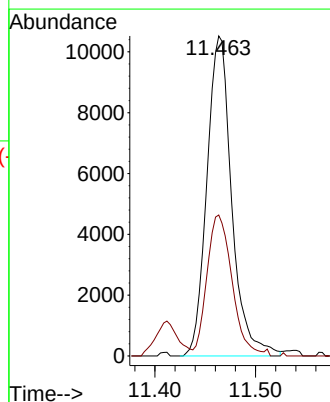
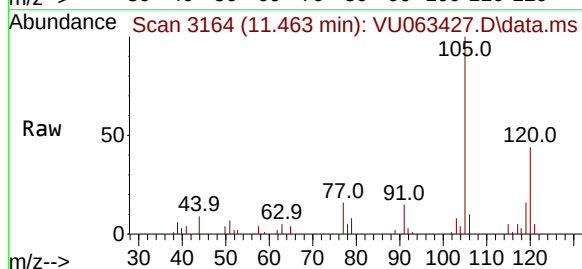
RT: 11.463 min Scan# 3164

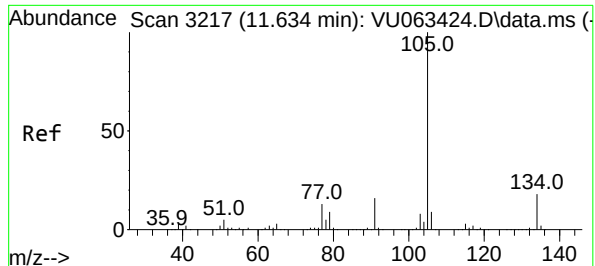
Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	105	Resp:	18055
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.1	66.5





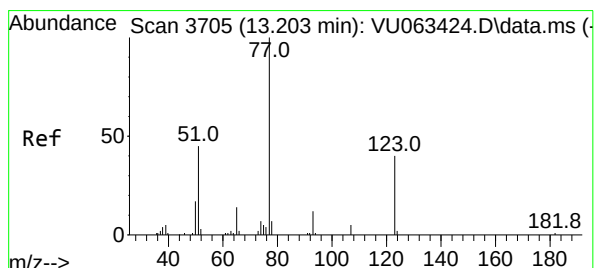
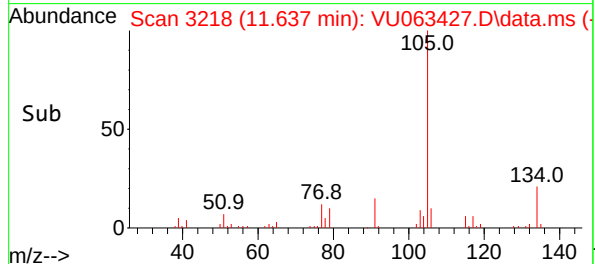
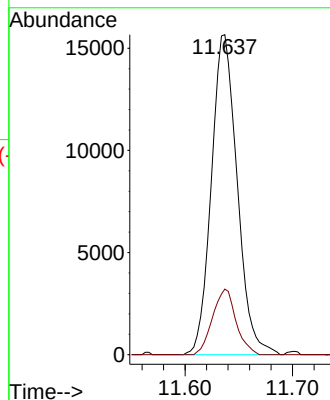
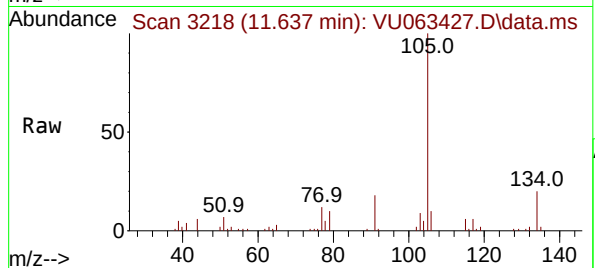
#79
sec-Butylbenzene
Concen: 0.377 ug/l
RT: 11.637 min Scan# 3217
Delta R.T. 0.003 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 26179
Ion Ratio Lower Upper
105 100
134 18.6 14.8 22.2

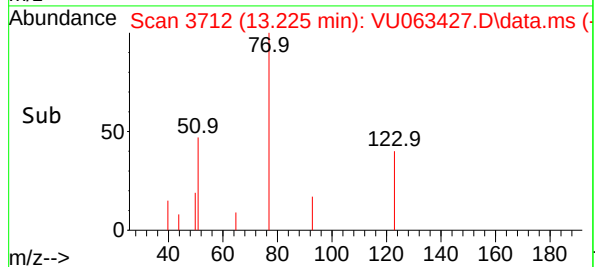
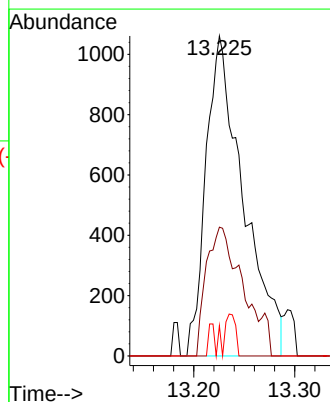
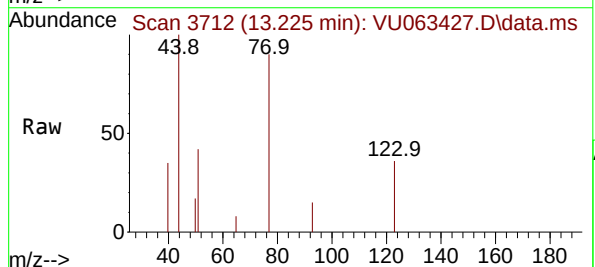
Manual Integrations
APPROVED

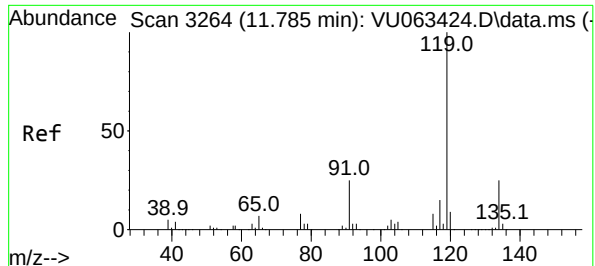
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#80
Nitrobenzene
Concen: 5.009 ug/l m
RT: 13.225 min Scan# 3712
Delta R.T. 0.022 min
Lab File: VU063427.D
Acq: 23 Jun 2025 14:36

Tgt Ion: 77 Resp: 2731
Ion Ratio Lower Upper
77 100
123 39.8 19.6 69.6
65 4.2 10.6 13.4#





#81

p-Isopropyltoluene

Concen: 0.685 ug/l

RT: 11.788 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

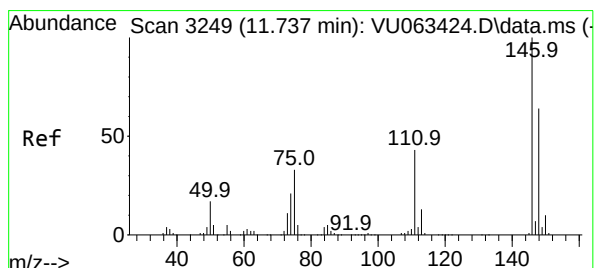
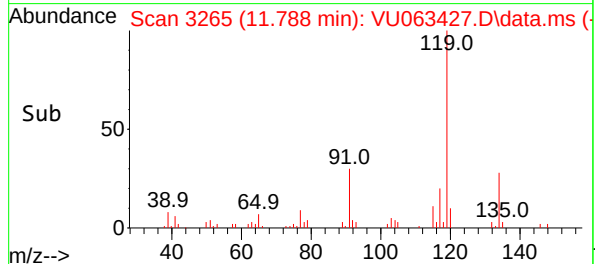
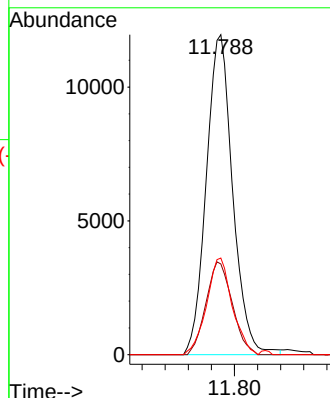
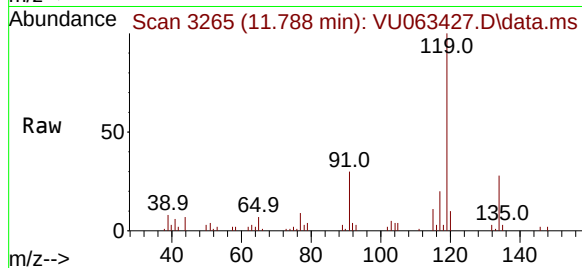
VSTDIC0.5

Tgt Ion:	119	Resp:	1896
Ion	Ratio	Lower	Upper
119	100		
134	28.8	20.2	30.2
91	29.2	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82

1,3-Dichlorobenzene

Concen: 0.449 ug/l

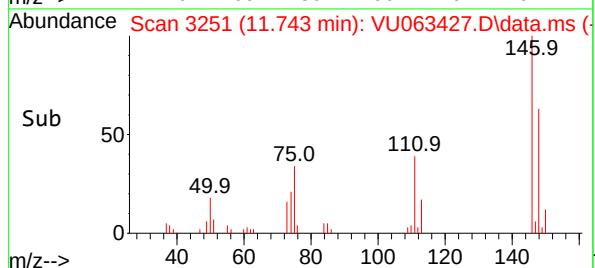
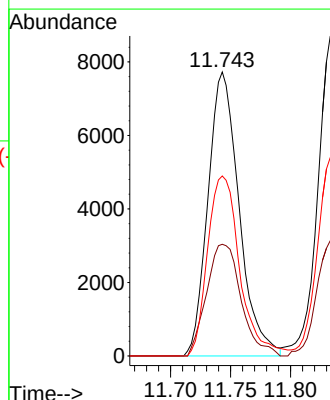
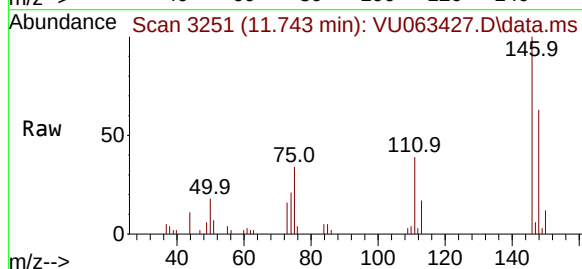
RT: 11.743 min Scan# 3251

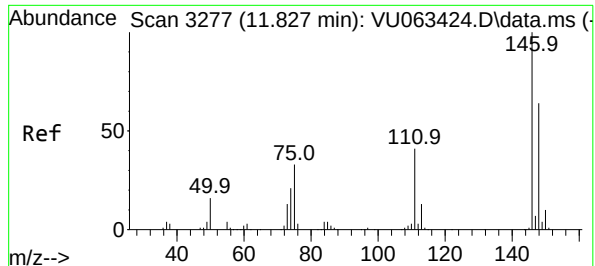
Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	146	Resp:	13935
Ion	Ratio	Lower	Upper
146	100		
111	43.6	34.3	51.5
148	65.6	51.0	76.4





#83

1,4-Dichlorobenzene

Concen: 0.463 ug/l m

RT: 11.833 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:146 Resp: 14900

Ion Ratio Lower Upper

146 100

111 39.4 31.7 47.5

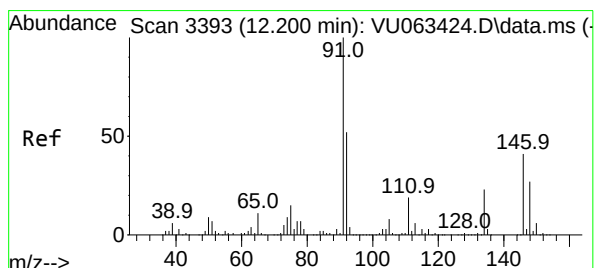
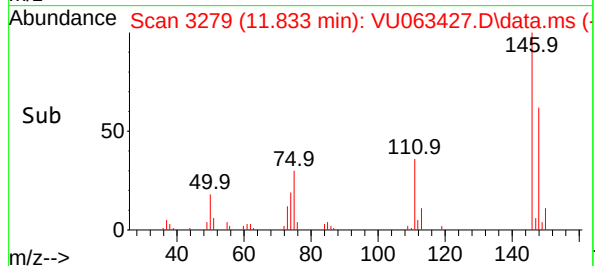
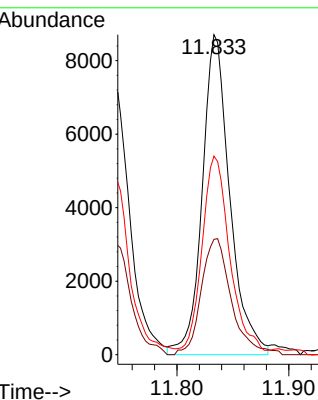
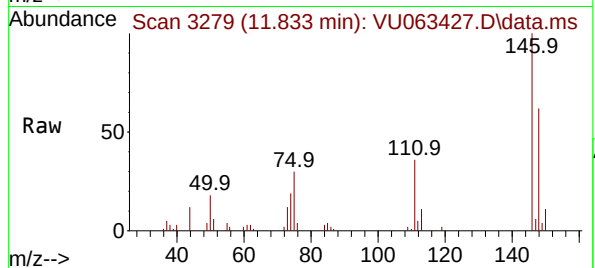
148 60.5 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 0.419 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.006 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

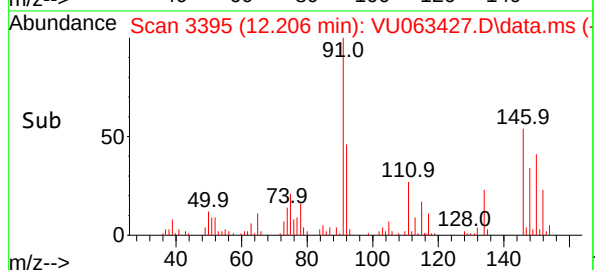
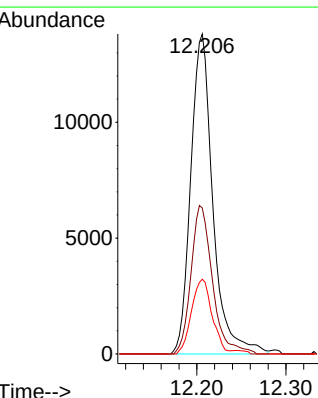
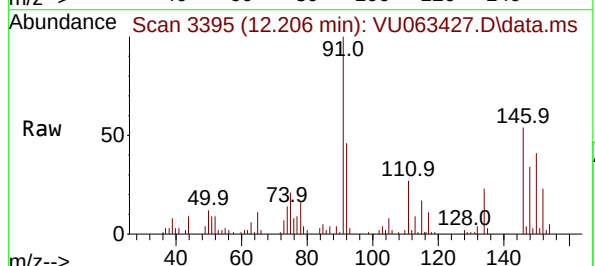
Tgt Ion: 91 Resp: 23809

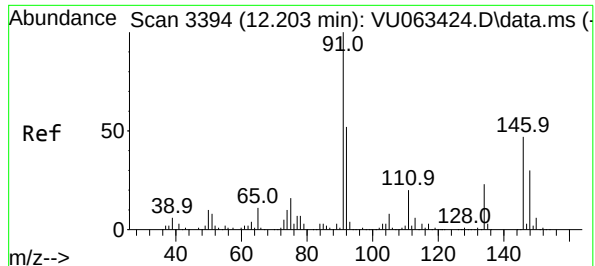
Ion Ratio Lower Upper

91 100

92 45.1 41.0 61.6

134 21.8 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 0.447 ug/l

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

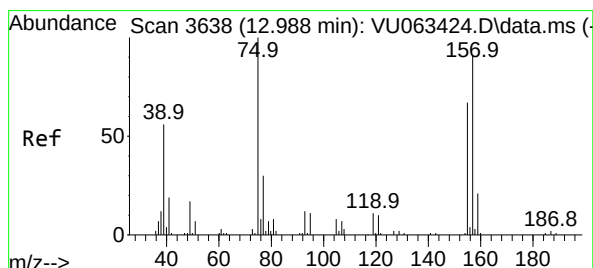
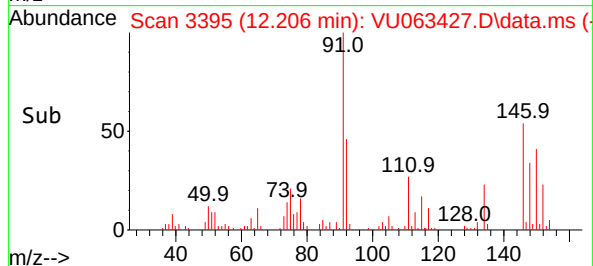
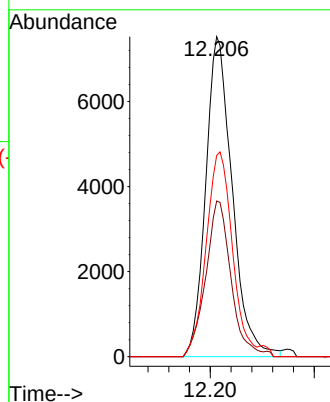
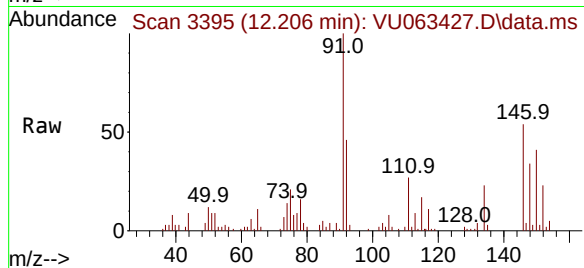
VSTDIC0.5

Tgt Ion:	146	Resp:	13270
Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.8	65.4
148	63.3	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.442 ug/l

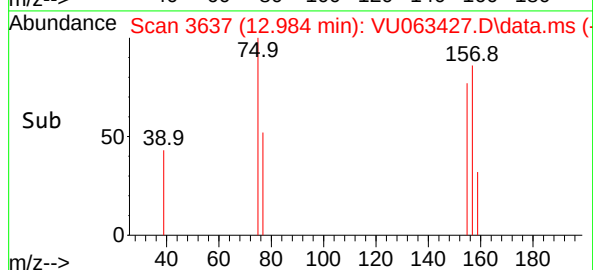
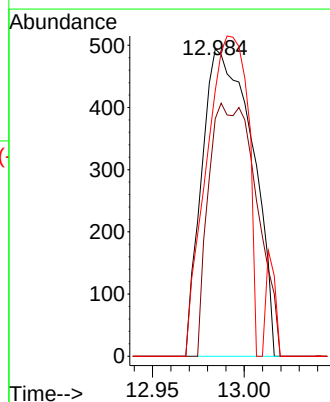
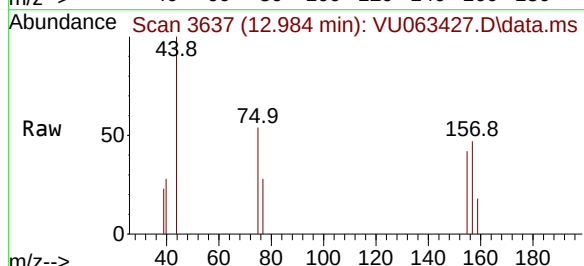
RT: 12.984 min Scan# 3637

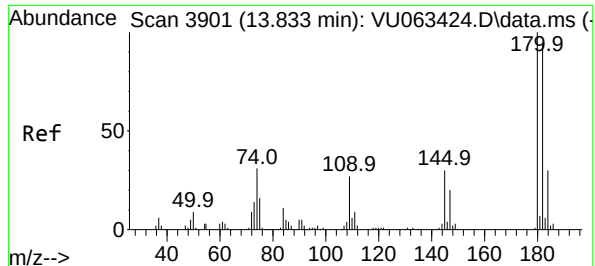
Delta R.T. -0.004 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	75	Resp:	944
Ion	Ratio	Lower	Upper
75	100		
155	78.1	59.7	89.5
157	85.5	75.0	112.4





#87

1,2,4-Trichlorobenzene

Concen: 0.517 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

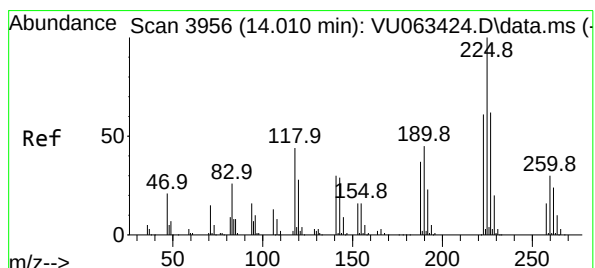
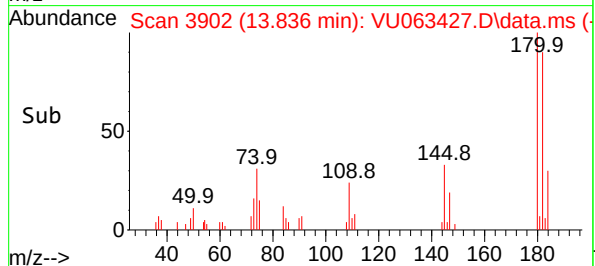
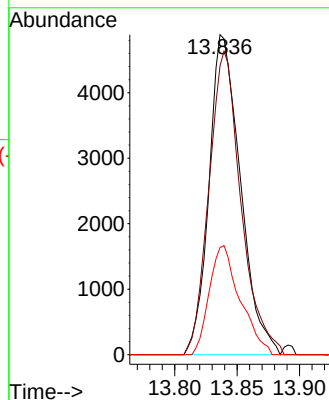
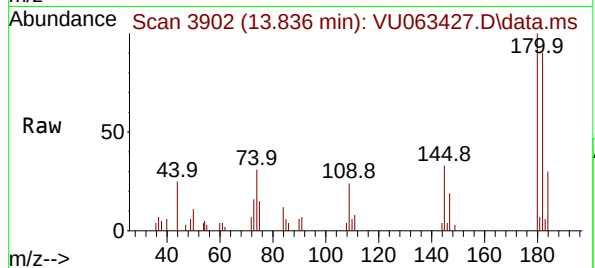
VSTDIC0.5

Tgt Ion:	180	Resp:	857
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.6	113.4
145	33.4	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

Concen: 0.488 ug/l

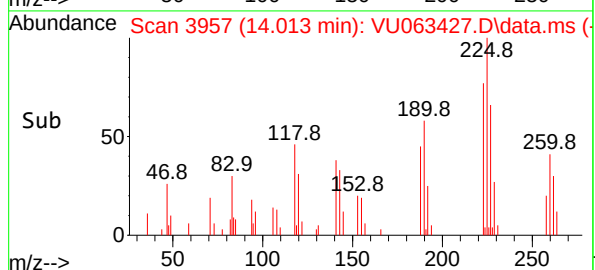
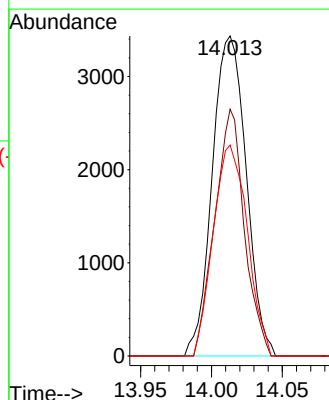
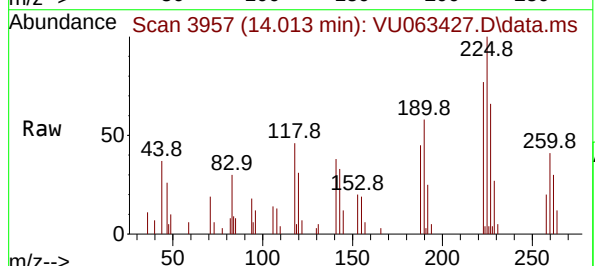
RT: 14.013 min Scan# 3957

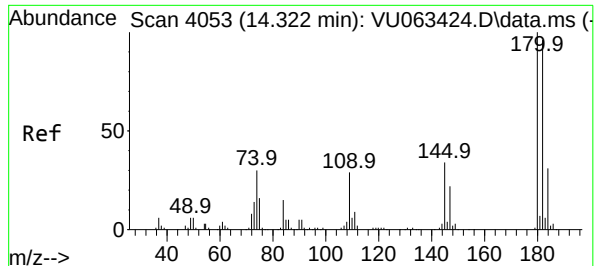
Delta R.T. 0.003 min

Lab File: VU063427.D

Acq: 23 Jun 2025 14:36

Tgt Ion:	225	Resp:	5732
Ion Ratio	Lower	Upper	
225	100		
223	67.0	50.0	75.0
227	66.2	51.5	77.3





#90

1,2,3-Trichlorobenzene

Concen: 0.543 ug/l

RT: 14.325 min Scan# 4053

Delta R.T. 0.003 min

Lab File: VU063427.D

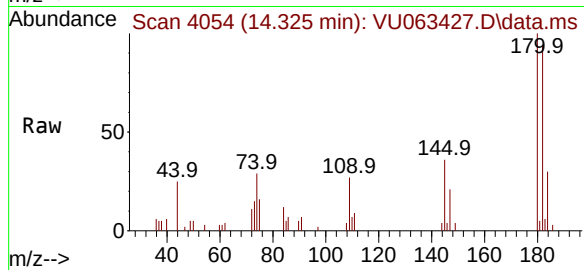
Acq: 23 Jun 2025 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 8948

Ion Ratio Lower Upper

180 100

182 89.6 76.7 115.1

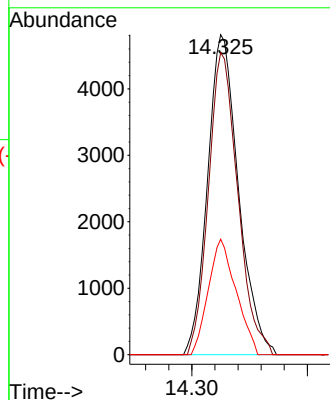
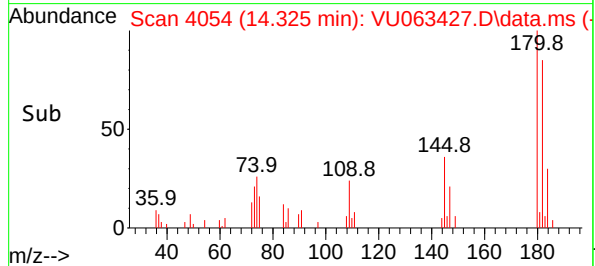
145 32.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU062325

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 05:15:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	53991	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	21711	1.095	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	19353	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	139260	6.715	ug/l	100
3) Chloromethane	1.518	50	215850	7.901	ug/l	99
4) Vinyl Chloride	1.599	62	181031	7.739	ug/l	100
5) Bromomethane	1.846	94	90863	8.107	ug/l	99
6) Chloroethane	1.924	64	103919	7.500	ug/l	99
7) Trichlorofluoromethane	2.126	101	231086	8.663	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	133844	9.419	ug/l	96
9) 1,1-Dichloroethene	2.567	96	141497	9.980	ug/l	95
10) Iodomethane	2.708	142	142863	12.484	ug/l	100
11) Allyl Chloride	2.907	41	252314	9.992	ug/l	95
12) Acrylonitrile	3.306	53	217383	53.073	ug/l	97
13) Acetone	2.621	43	138370	36.130	ug/l	99
14) Carbon Disulfide	2.776	76	489327	9.898	ug/l	99
15) Methylene Chloride	3.026	84	161001	8.959	ug/l	94
16) trans-1,2-Dichloroethene	3.335	96	163517	10.251	ug/l	97
17) 1,1-Dichloroethane	3.846	63	349345	10.430	ug/l	99
18) 2-Butanone	4.718	43	263073	46.022	ug/l	99
19) Cyclohexane	5.361	56	275187	10.860	ug/l	99
20) Methylcyclohexane	6.747	83	274942m	11.686	ug/l	
21) 2,2-Dichloropropane	4.644	77	239263	10.051	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	188959	10.853	ug/l	98
23) Diethyl Ether	2.370	59	105170	8.222	ug/l	93
24) tert-Butyl Alcohol	3.197	59	61846	45.896	ug/l	97
25) Methyl tert-Butyl Ether	3.361	73	414660	10.755	ug/l	100
26) Bromochloromethane	4.956	128	70583	10.416	ug/l	87
27) Chloroform	5.071	83	333435	10.619	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	269917	10.602	ug/l	99
29) 1,1-Dichloropropene	5.505	75	232683	10.004	ug/l	98
30) Carbon Tetrachloride	5.502	117	219911	10.815	ug/l	100
31) Isopropyl Ether	3.994	45	559450	10.692	ug/l #	1
34) Propionitrile	4.779	54	167842	101.506	ug/l	99
35) Benzene	5.756	78	758740	10.784	ug/l	99
36) 1,2-Dichloroethane	5.785	62	199524	9.701	ug/l	100
37) Trichloroethene	6.531	130	164983	9.923	ug/l	98
38) 1,2-Dichloropropane	6.782	63	201756	10.383	ug/l	100
39) Methacrylonitrile	4.972	41	57586	8.371	ug/l	94
40) Methyl acrylate	4.849	55	104375	10.805	ug/l #	97
41) Tetrahydrofuran	5.065	42	157958	42.681	ug/l	95
42) 1-Chlorobutane	5.438	56	343249	10.403	ug/l	100
43) Dibromomethane	6.907	93	93959	10.351	ug/l	100
44) Bromodichloromethane	7.097	83	238860	10.803	ug/l	100
45) 4-Methyl-2-Pentanone	7.795	43	538372	55.253	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	35270m	11.012	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 05:15:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue Jun 24 05:06:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	80534	9.804	ug/l	96
48) Ethyl methacrylate	8.332	69	153677	10.000	ug/l	98
49) Toluene	7.962	92	455660	11.797	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	189158	11.863	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	241787	11.290	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	131028	9.874	ug/l	99
53) 1,3-Dichloropropane	8.566	76	232289	10.175	ug/l	99
54) 2-Hexanone	8.685	43	356851	47.244	ug/l	99
55) Dibromochloromethane	8.801	129	150766	11.013	ug/l	98
56) 1,2-Dibromoethane	8.917	107	109284	10.159	ug/l	99
58) Tetrachloroethene	8.544	164	170952	10.482	ug/l	99
59) Chlorobenzene	9.441	112	471976	11.414	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	148493	9.976	ug/l	99
61) Pentachloroethane	11.418	117	126930	10.467	ug/l	99
62) Hexachloroethane	12.467	117	118081	10.828	ug/l	97
63) Ethyl Benzene	9.563	91	822553	12.408	ug/l	99
64) m/p-Xylenes	9.685	106	667167	21.238	ug/l	98
65) o-Xylene	10.094	106	308269	12.240	ug/l	99
66) Styrene	10.107	104	525060	10.412	ug/l	99
67) Bromoform	10.280	173	80048	10.701	ug/l	99
69) Isopropylbenzene	10.476	105	816309	13.991	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	164306	9.680	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	117763m	8.495	ug/l	
72) Bromobenzene	10.775	156	183543	11.207	ug/l	98
73) n-propylbenzene	10.897	120	220986	10.430	ug/l	95
74) 2-Chlorotoluene	10.978	126	193448	11.949	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	736912	10.587	ug/l	100
76) 4-Chlorotoluene	11.090	126	211375	12.465	ug/l	100
77) tert-Butylbenzene	11.412	119	643149	11.997	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	734002	10.383	ug/l	99
79) sec-Butylbenzene	11.634	105	927835	12.220	ug/l	100
80) Nitrobenzene	13.212	77	7576m	10.734	ug/l	
81) p-Isopropyltoluene	11.785	119	766063	10.473	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	386661	11.397	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	399351	11.345	ug/l	99
84) n-Butylbenzene	12.200	91	767664	12.351	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	364173	11.216	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	24327	10.426	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	230949	12.757	ug/l	98
88) Hexachlorobutadiene	14.013	225	134947	10.514	ug/l	100
89) Naphthalene	14.081	128	392084	10.410	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	205894	11.438	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

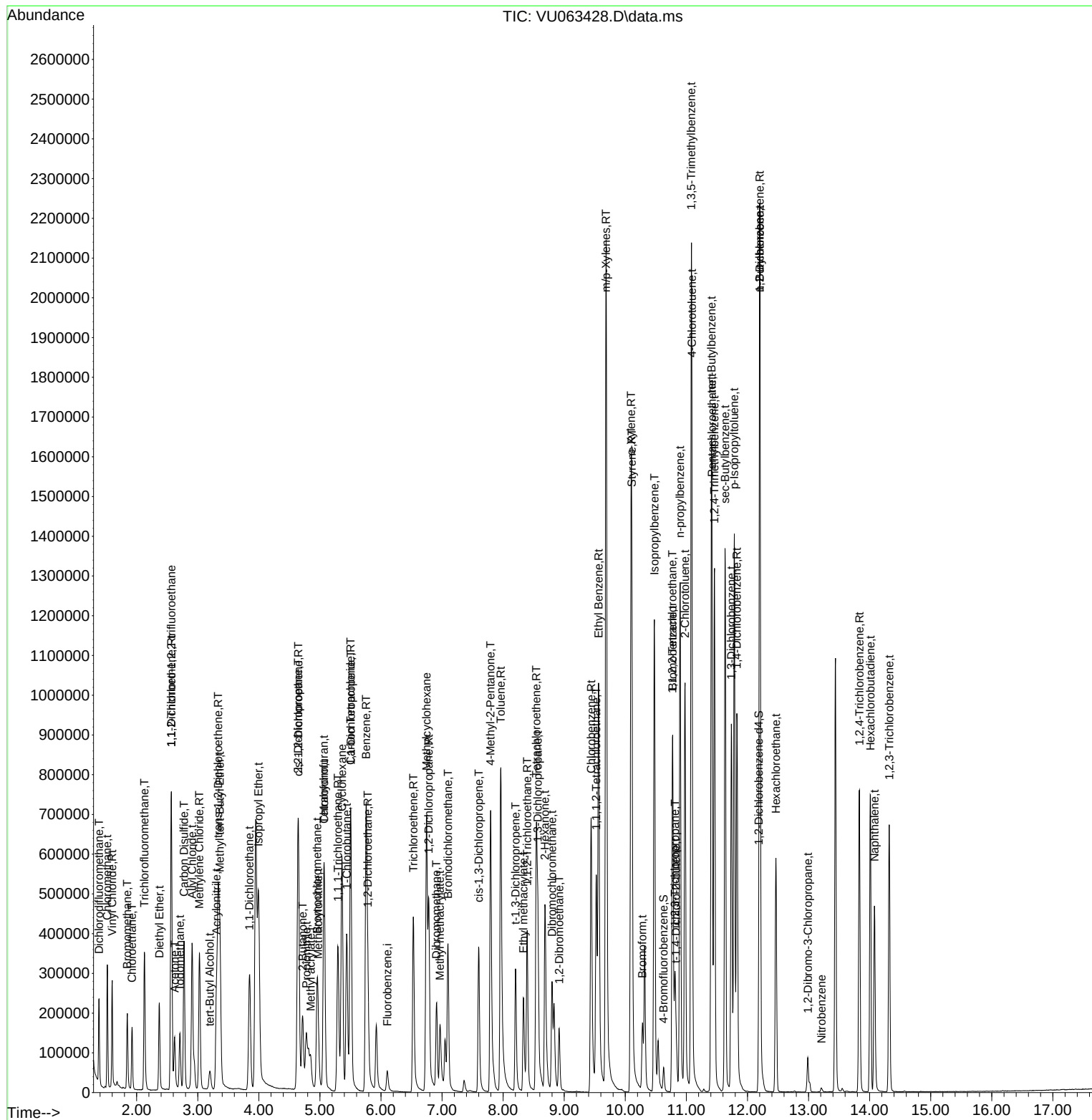
ICVVU062325

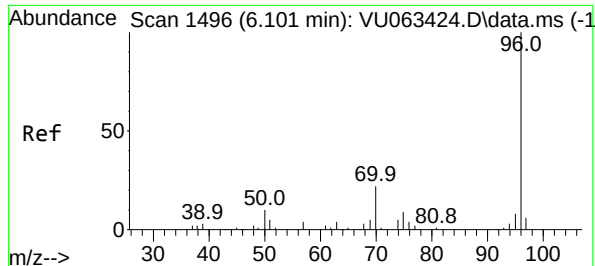
Manual Integrations

APPROVED

Reviewed By : Mahesh Dadoda 06/25/2025
 Supervised By : Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 05:15:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration





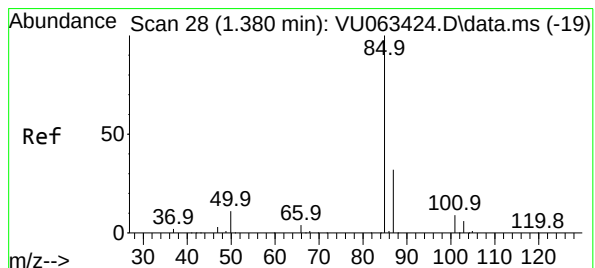
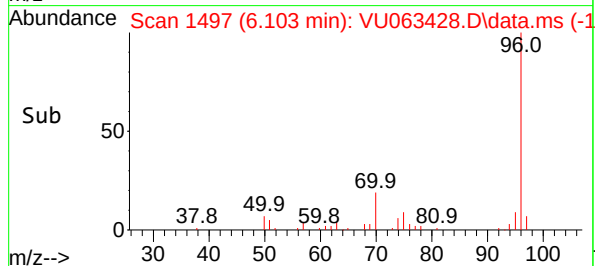
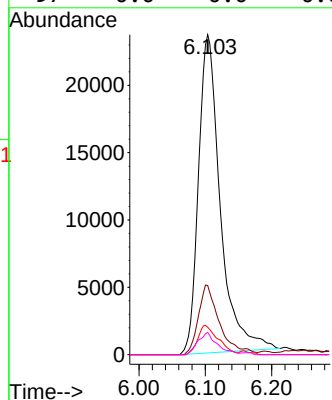
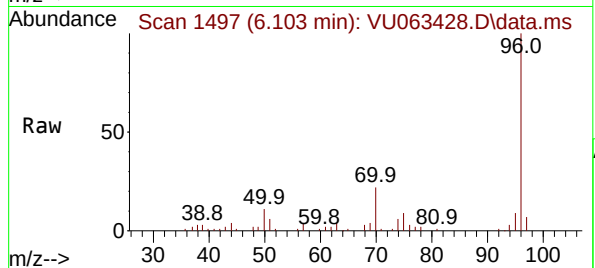
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 96 Resp: 5399
Ion Ratio Lower Upper
96 100
70 18.4 16.4 24.6
95 8.0 6.2 9.2
97 0.0 0.0 0.0

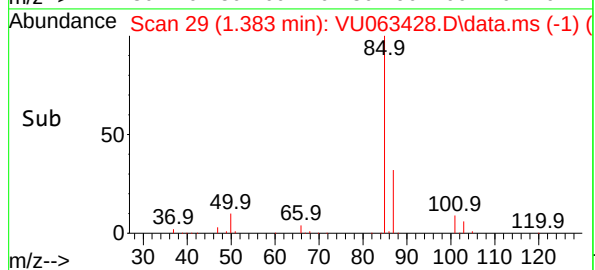
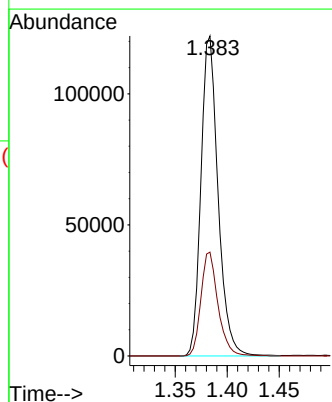
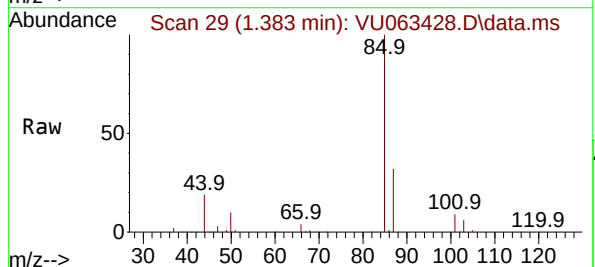
Manual Integrations
APPROVED

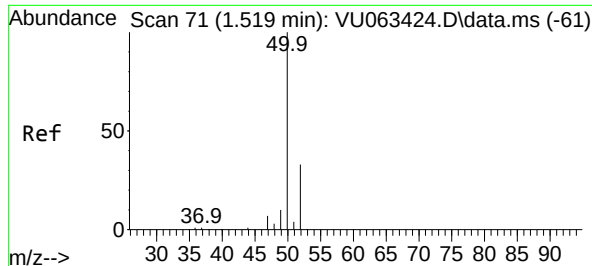
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 6.715 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion: 85 Resp: 139260
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.5





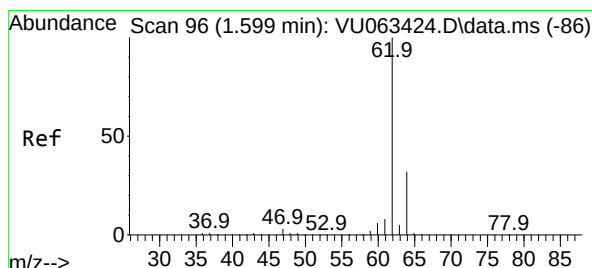
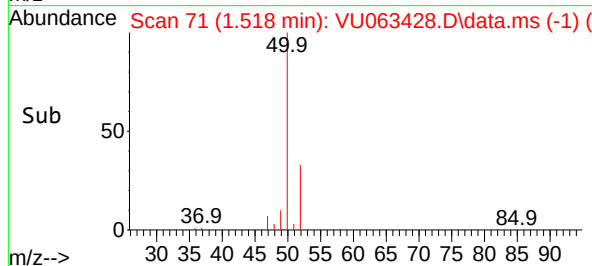
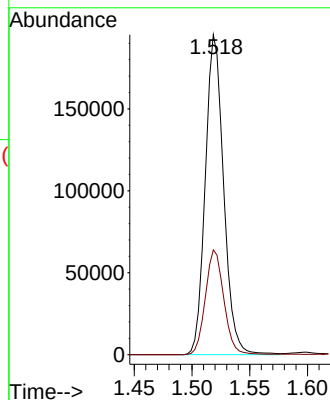
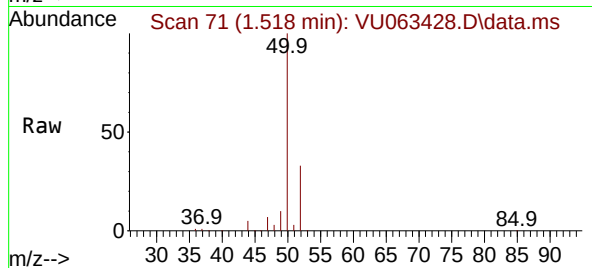
#3
Chloromethane
Concen: 7.901 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 50 Resp: 215850
Ion Ratio Lower Upper
50 100
52 32.8 26.6 40.0

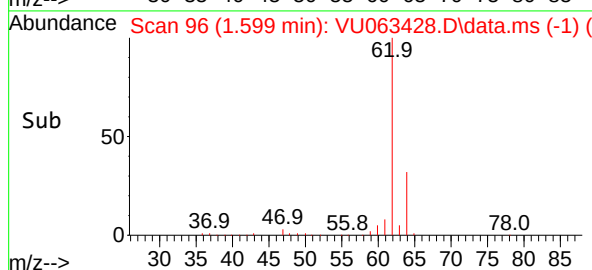
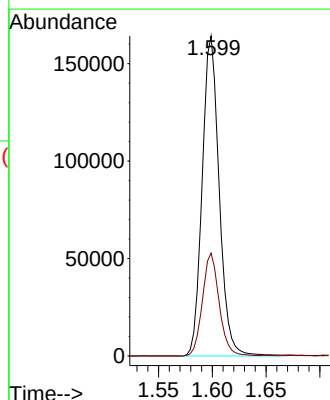
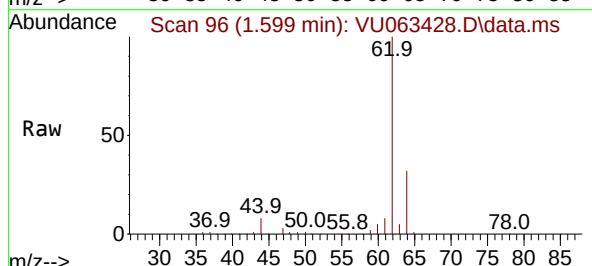
Manual Integrations
APPROVED

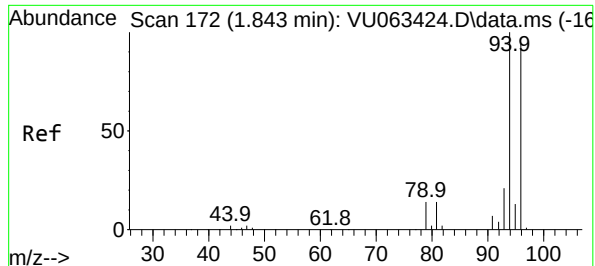
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 7.739 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

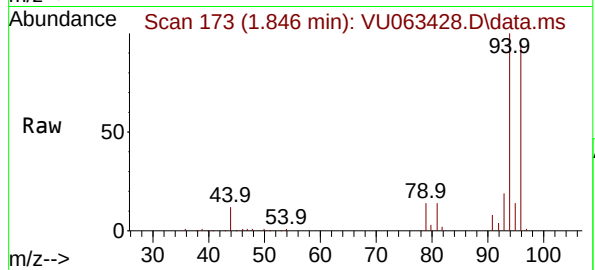
Tgt Ion: 62 Resp: 181031
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





#5
Bromomethane
Concen: 8.107 ug/l
RT: 1.846 min Scan# 172
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

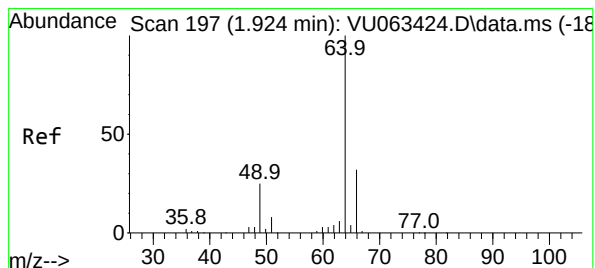
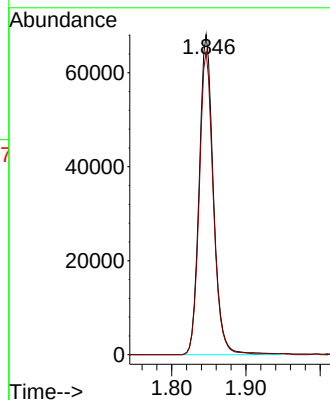
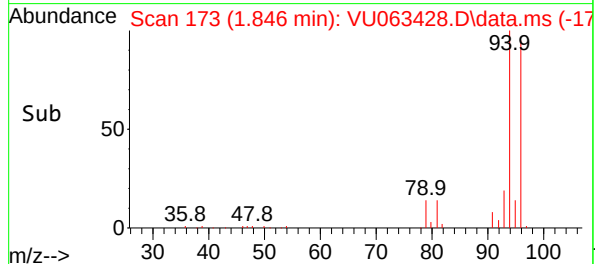
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



Tgt Ion: 94 Resp: 9086
Ion Ratio Lower Upper
94 100
96 94.7 74.8 112.2

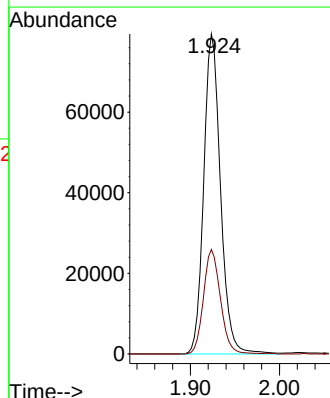
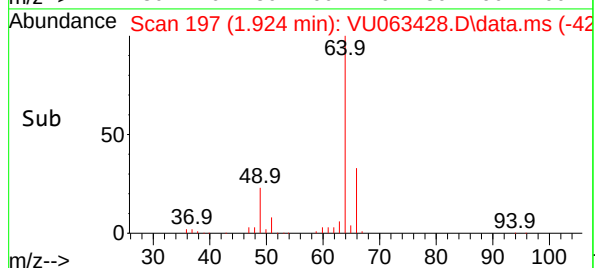
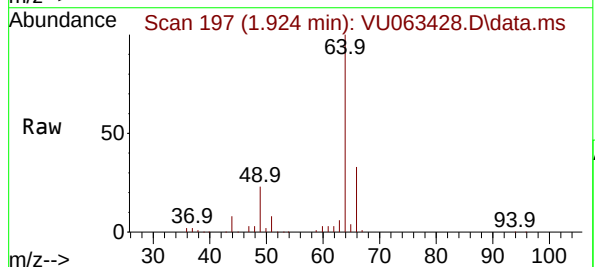
Manual Integrations
APPROVED

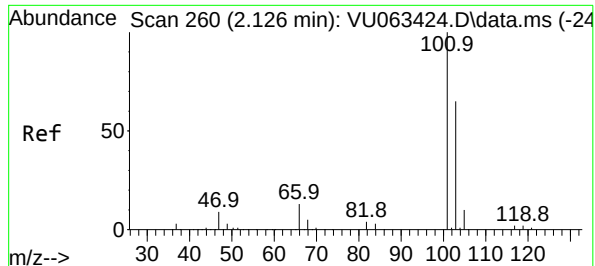
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 7.500 ug/l
RT: 1.924 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

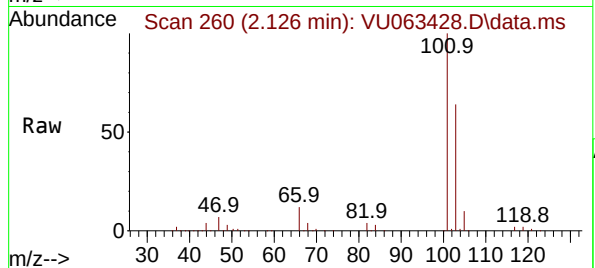
Tgt Ion: 64 Resp: 103919
Ion Ratio Lower Upper
64 100
66 32.6 25.7 38.5





#7
Trichlorofluoromethane
Concen: 8.663 ug/l
RT: 2.126 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

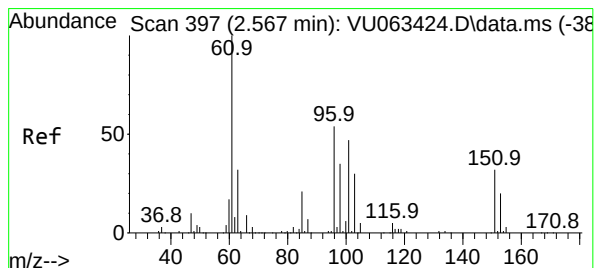
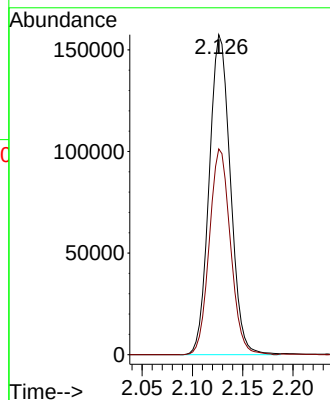
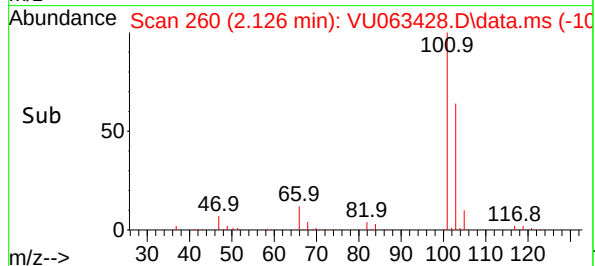
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



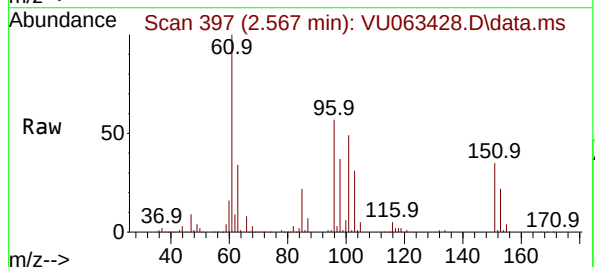
Tgt Ion:101 Resp: 231080
Ion Ratio Lower Upper
101 100
103 64.3 52.3 78.5

Manual Integrations
APPROVED

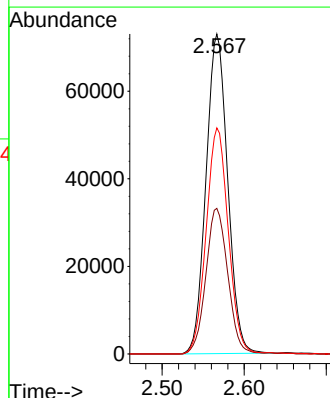
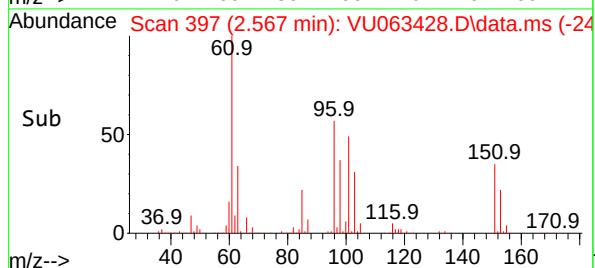
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

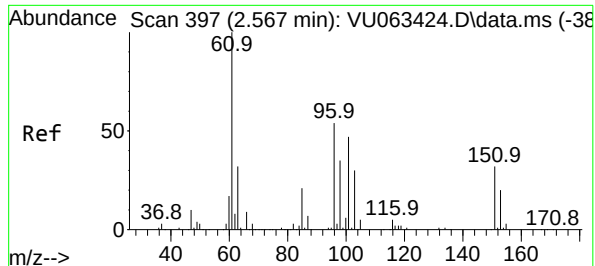


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.419 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06



Tgt Ion:101 Resp: 133844
Ion Ratio Lower Upper
101 100
85 45.7 36.7 55.1
151 72.7 53.9 80.9





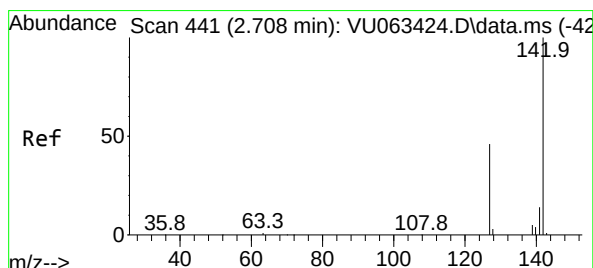
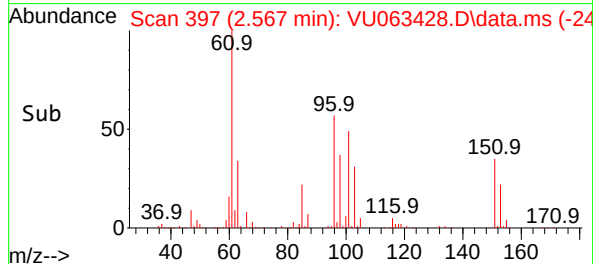
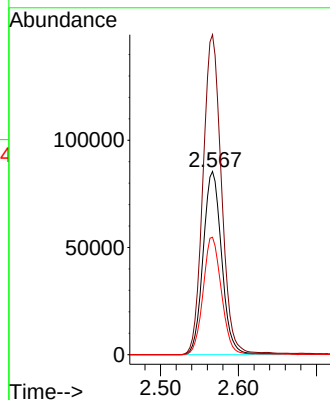
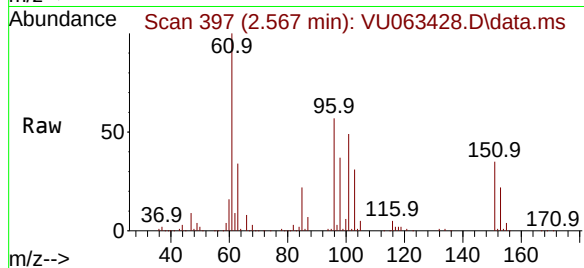
#9
1,1-Dichloroethene
Concen: 9.980 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 96 Resp: 14149
Ion Ratio Lower Upper
96 100
61 174.7 0.0 552.0
98 64.1 0.0 128.4

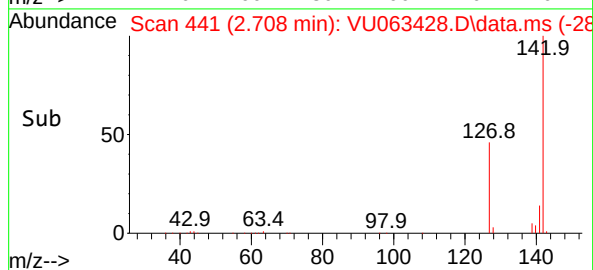
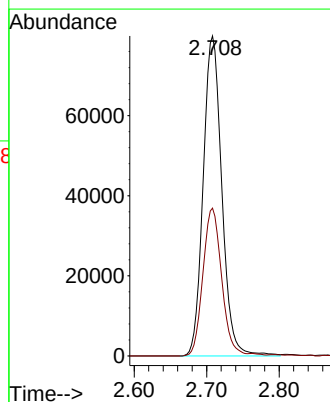
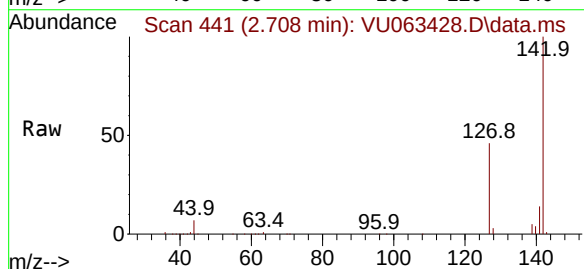
Manual Integrations
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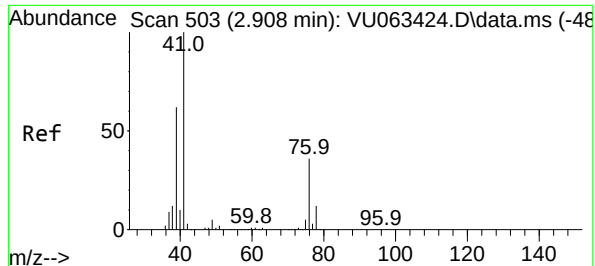
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#10
Iodomethane
Concen: 12.484 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion:142 Resp: 142863
Ion Ratio Lower Upper
142 100
127 46.2 36.9 55.3





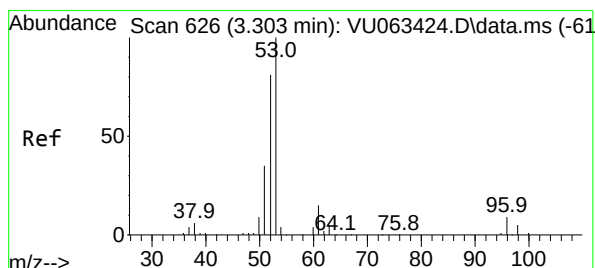
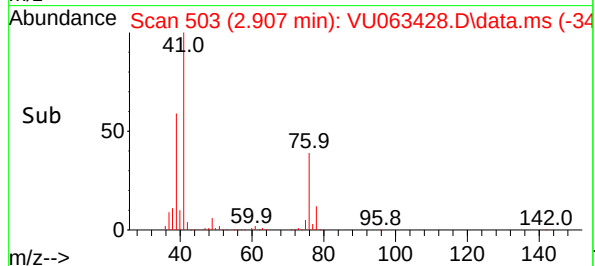
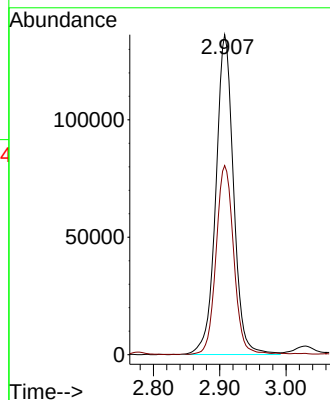
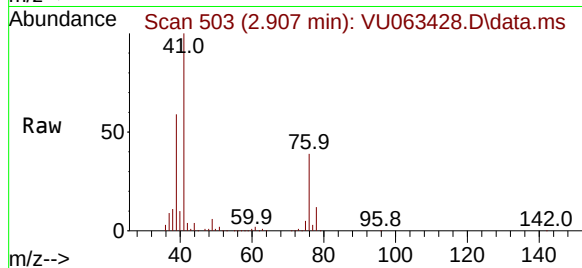
#11
Allyl Chloride
Concen: 9.992 ug/l
RT: 2.907 min Scan# 503
Delta R.T. -0.001 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 41 Resp: 252314
Ion Ratio Lower Upper
41 100
39 58.7 50.3 75.5

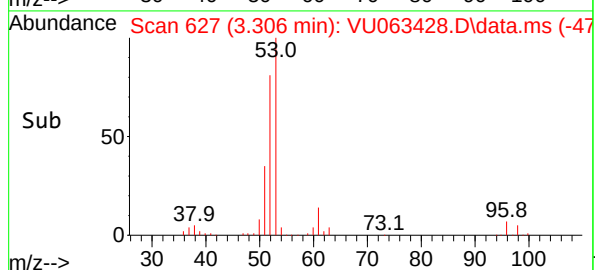
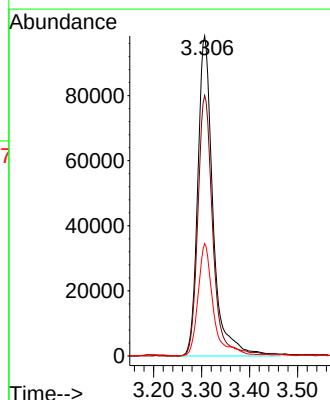
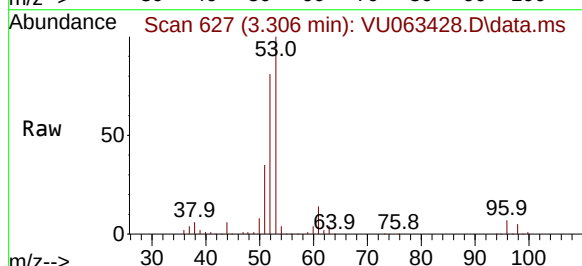
Manual Integrations
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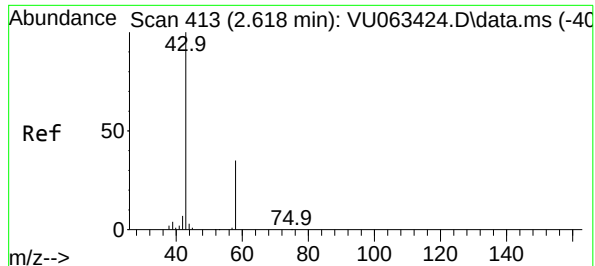
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#12
Acrylonitrile
Concen: 53.073 ug/l
RT: 3.306 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion: 53 Resp: 217383
Ion Ratio Lower Upper
53 100
52 80.3 62.8 94.2
51 35.4 26.2 39.4





#13

Acetone

Concen: 36.130 ug/l

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 43 Resp: 138370

Ion Ratio Lower Upper

43 100

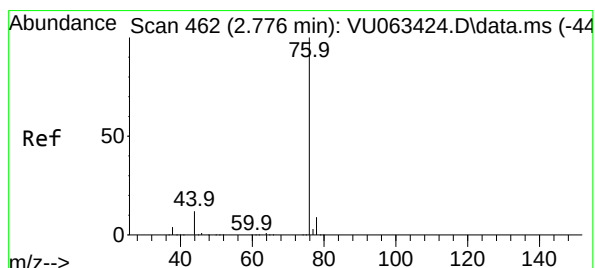
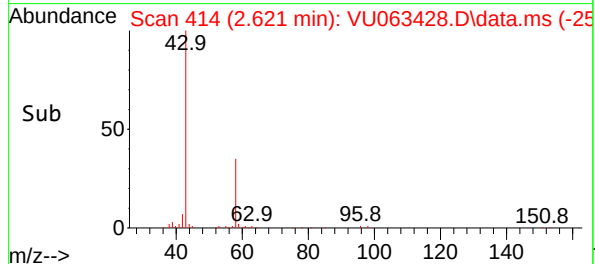
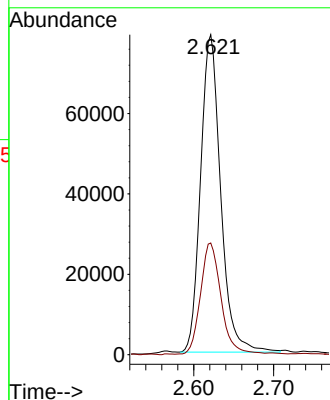
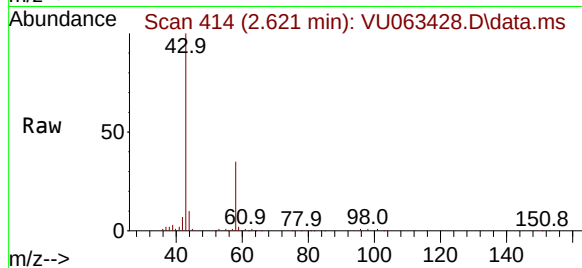
58 34.9 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 9.898 ug/l

RT: 2.776 min Scan# 462

Delta R.T. -0.000 min

Lab File: VU063428.D

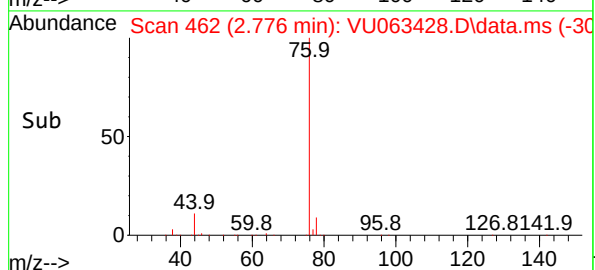
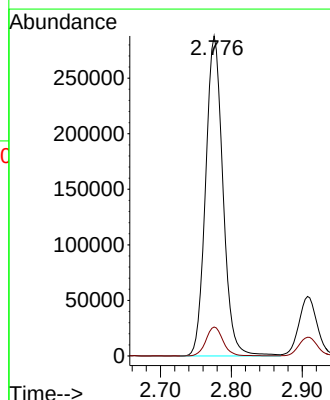
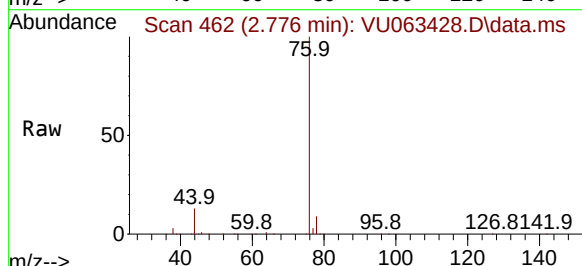
Acq: 23 Jun 2025 17:06

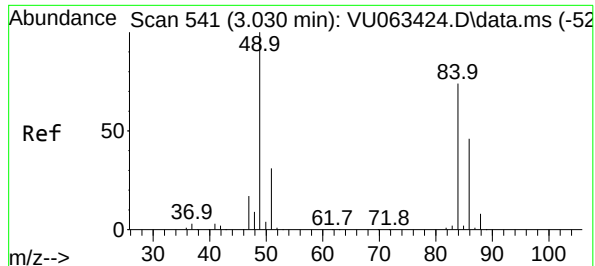
Tgt Ion: 76 Resp: 489327

Ion Ratio Lower Upper

76 100

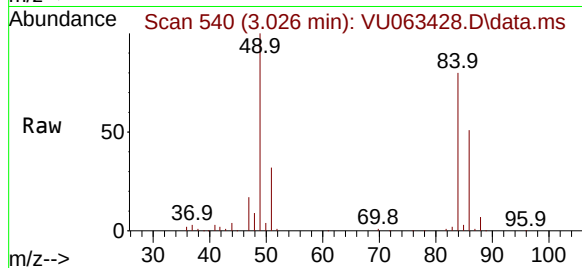
78 9.1 6.9 10.3





#15
Methylene Chloride
Concen: 8.959 ug/l
RT: 3.026 min Scan# 541
Delta R.T. -0.004 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

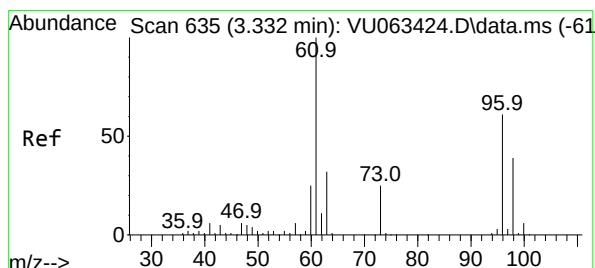
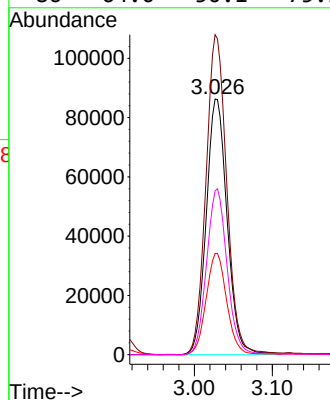
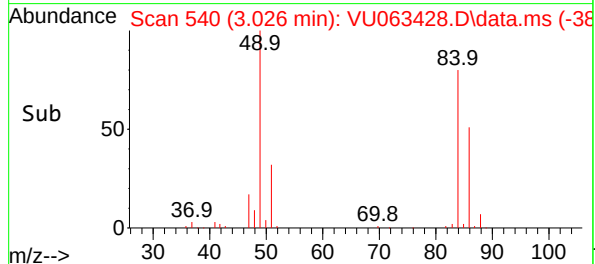
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



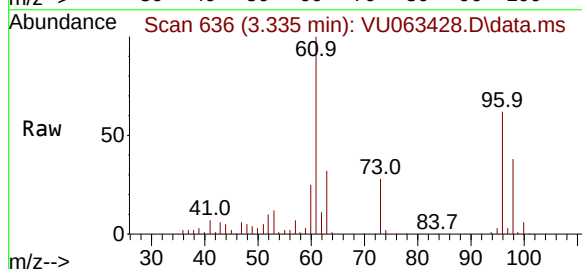
Tgt Ion: 84 Resp: 16100
Ion Ratio Lower Upper
84 100
49 125.1 108.7 163.1
51 39.6 0.0 83.8
86 64.0 50.1 75.1

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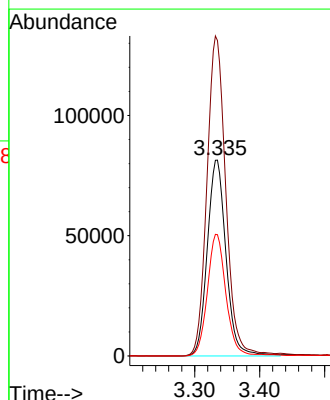
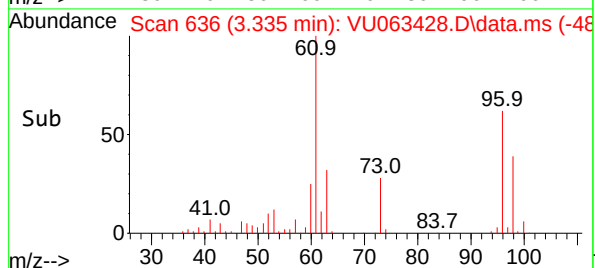
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

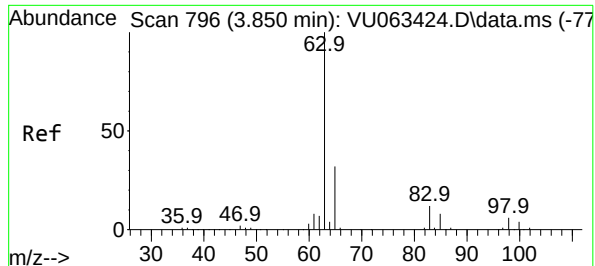


#16
trans-1,2-Dichloroethene
Concen: 10.251 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06



Tgt Ion: 96 Resp: 163517
Ion Ratio Lower Upper
96 100
61 161.0 132.1 198.1
98 61.9 51.0 76.4





#17

1,1-Dichloroethane

Concen: 10.430 ug/l

RT: 3.846 min Scan# 795

Delta R.T. -0.004 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

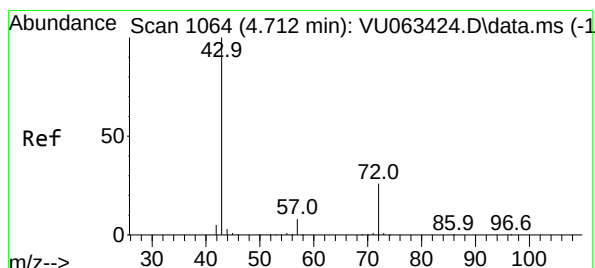
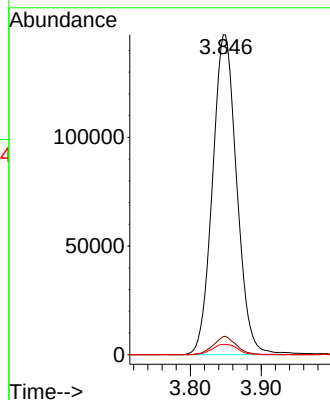
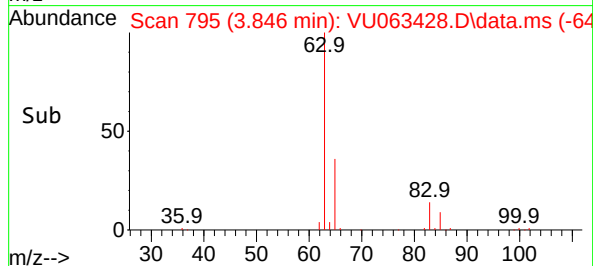
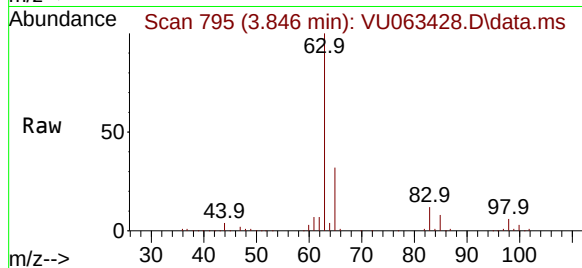
ClientSampleId :

ICVVU062325

Tgt Ion:	63	Resp:	34934
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.8	8.4
100	3.2	1.9	5.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 46.022 ug/l

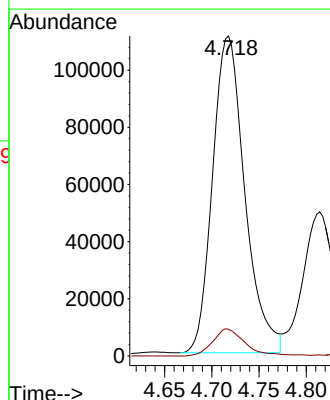
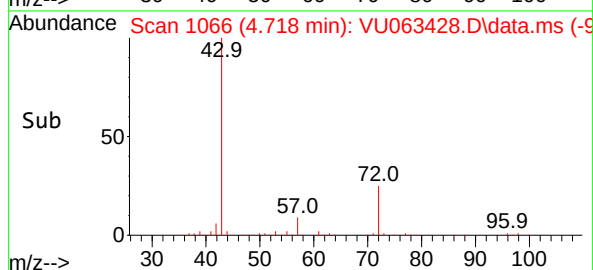
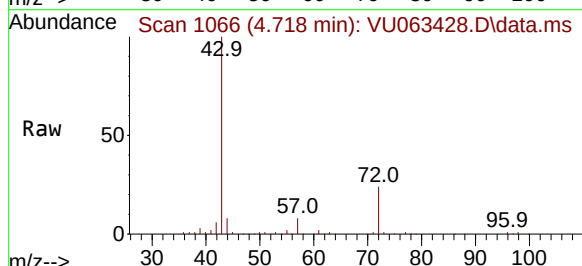
RT: 4.718 min Scan# 1066

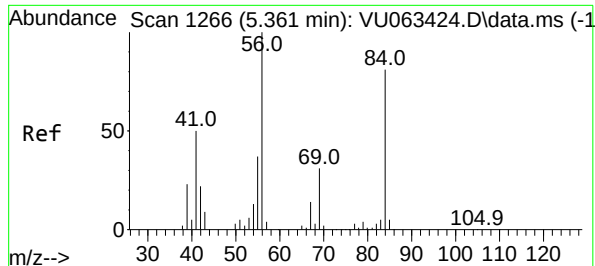
Delta R.T. 0.006 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion:	43	Resp:	263073
Ion	Ratio	Lower	Upper
43	100		
57	8.4	0.0	16.0





#19

Cyclohexane

Concen: 10.860 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 56 Resp: 27518

Ion Ratio Lower Upper

56 100

69 32.3 26.4 39.6

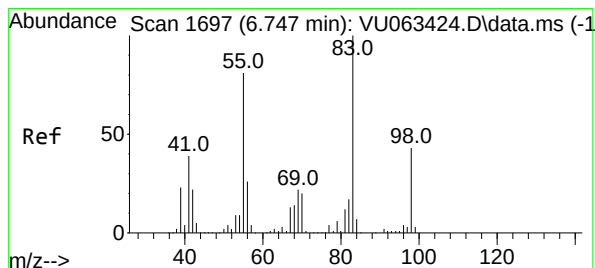
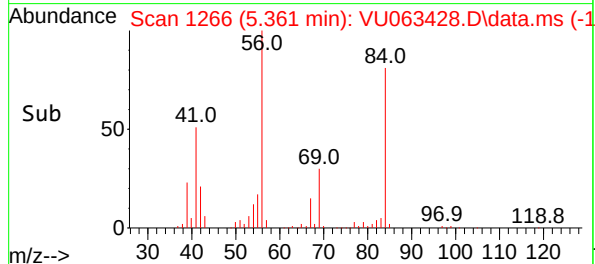
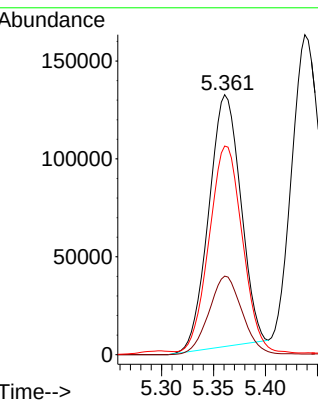
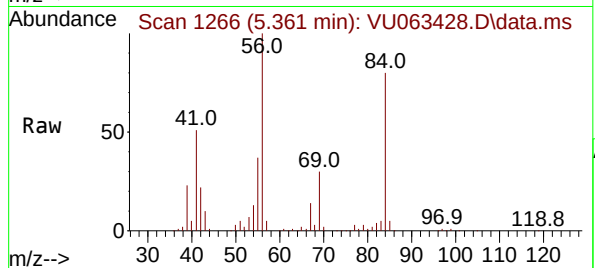
84 85.0 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 11.686 ug/l m

RT: 6.747 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

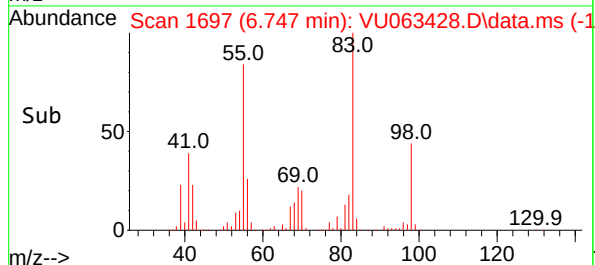
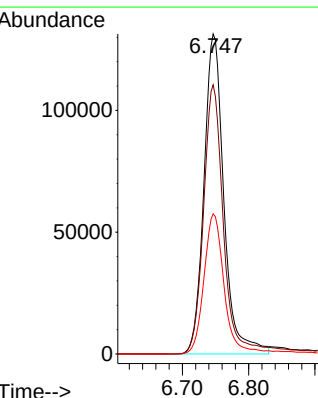
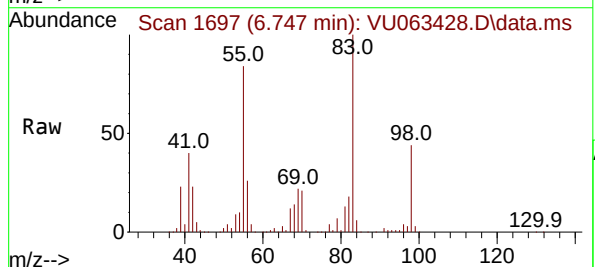
Tgt Ion: 83 Resp: 274942

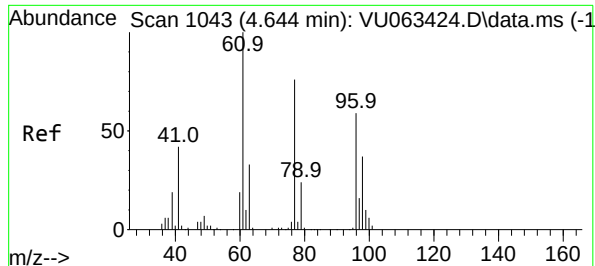
Ion Ratio Lower Upper

83 100

55 82.9 63.5 95.3

98 42.3 34.2 51.4





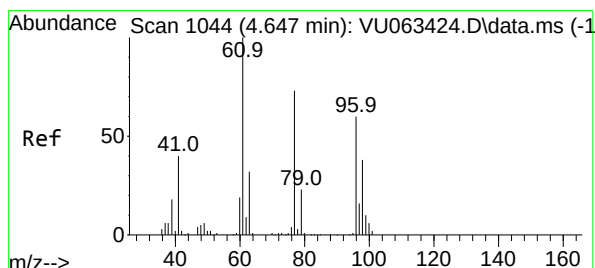
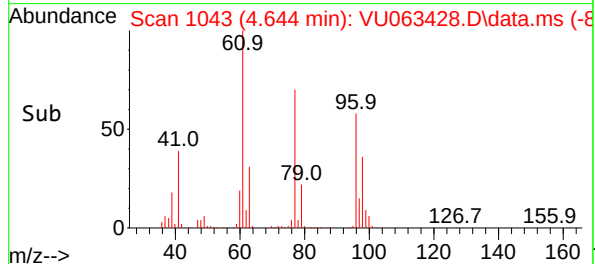
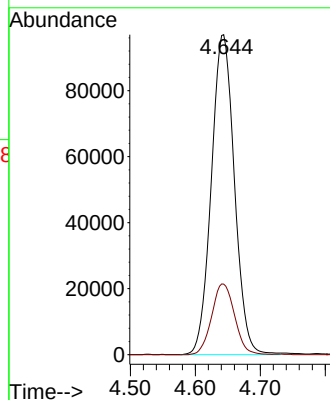
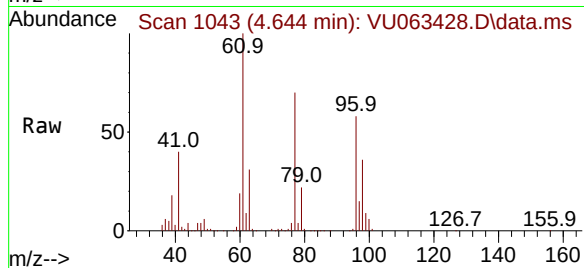
#21
2,2-Dichloropropane
Concen: 10.051 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 77 Resp: 23926
Ion Ratio Lower Upper
77 100
97 22.0 17.2 25.8

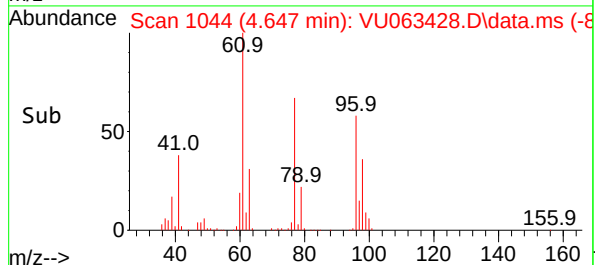
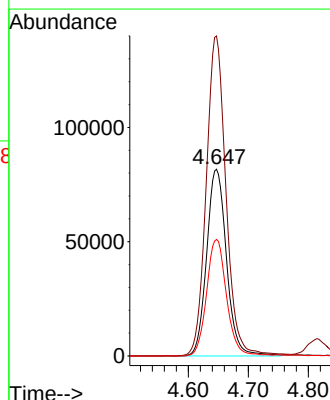
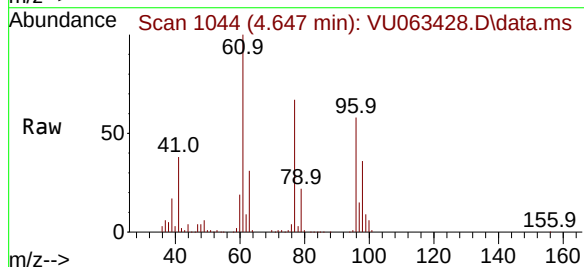
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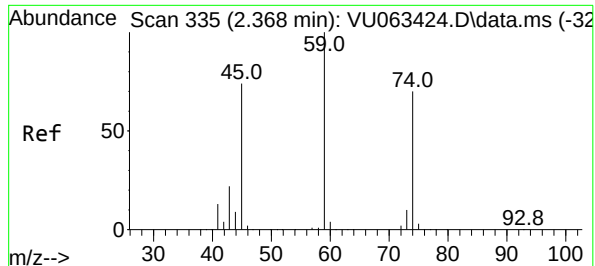
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#22
cis-1,2-Dichloroethene
Concen: 10.853 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion: 96 Resp: 188959
Ion Ratio Lower Upper
96 100
61 170.5 0.0 434.3
98 62.3 31.9 95.7





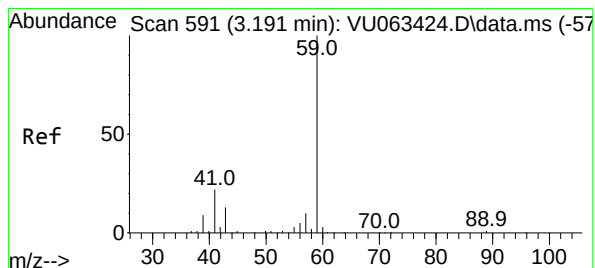
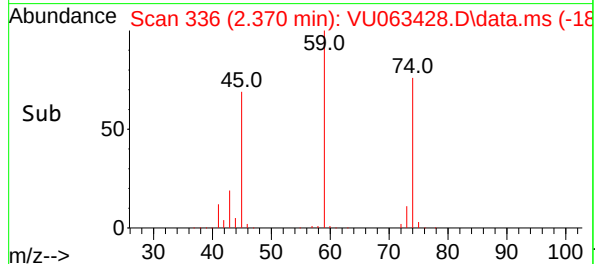
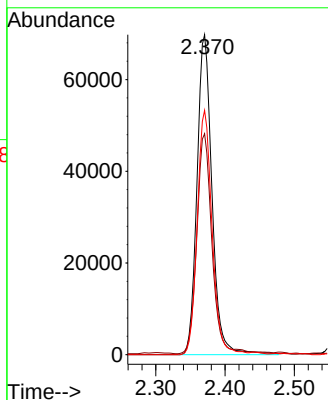
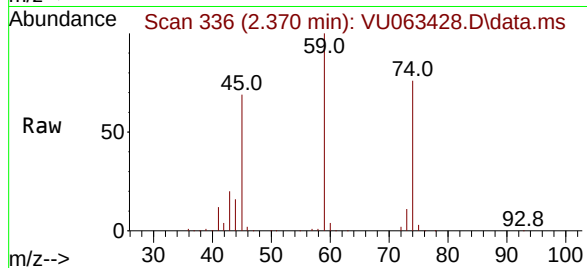
#23
Diethyl Ether
Concen: 8.222 ug/l
RT: 2.370 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 59 Resp: 105170
Ion Ratio Lower Upper
59 100
45 69.2 60.7 91.1
74 75.6 55.8 83.6

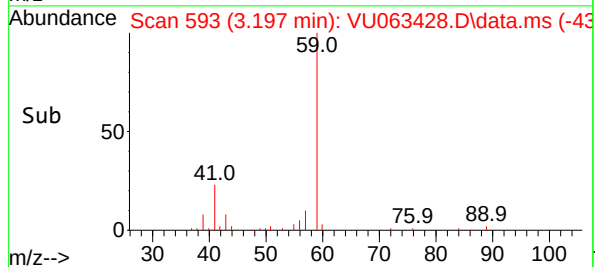
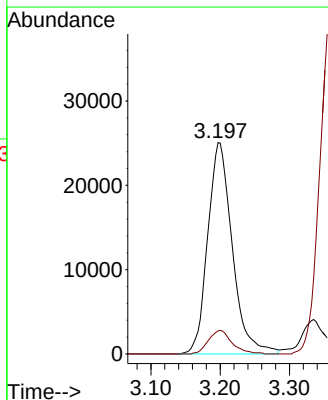
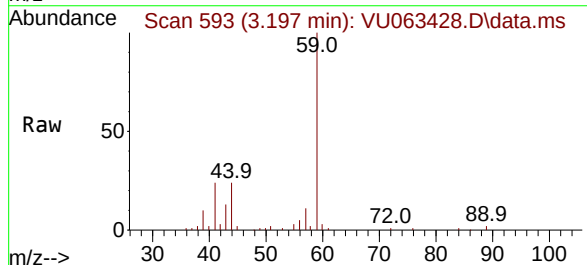
Manual Integrations
APPROVED

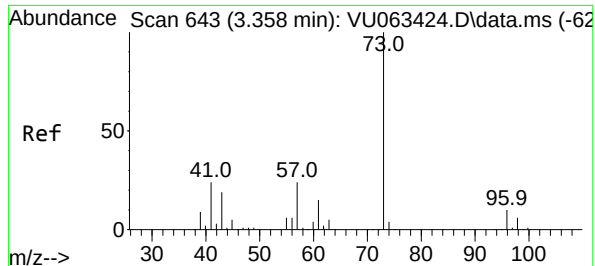
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#24
tert-Butyl Alcohol
Concen: 45.896 ug/l
RT: 3.197 min Scan# 593
Delta R.T. 0.006 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion: 59 Resp: 61846
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8





#25

Methyl tert-Butyl Ether

Concen: 10.755 ug/l

RT: 3.361 min Scan# 64

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 73 Resp: 41466

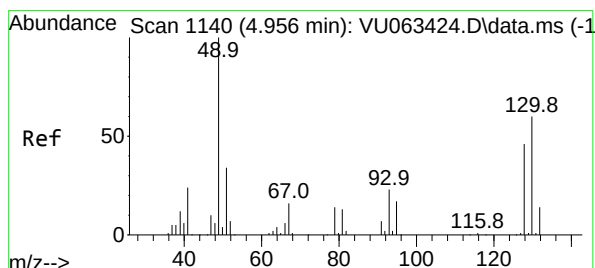
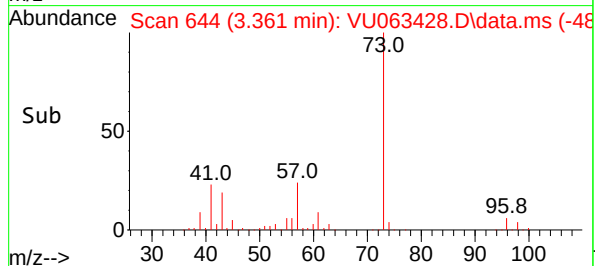
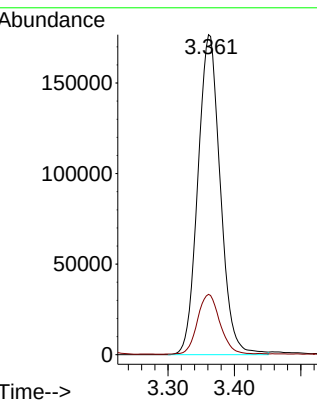
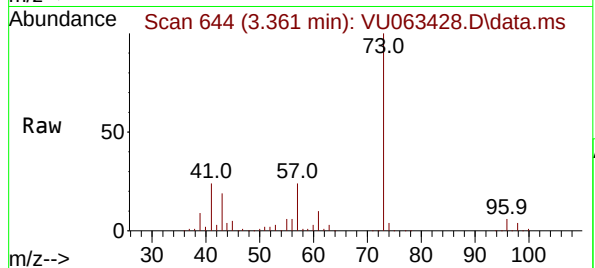
Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#26

Bromochloromethane

Concen: 10.416 ug/l

RT: 4.956 min Scan# 1140

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

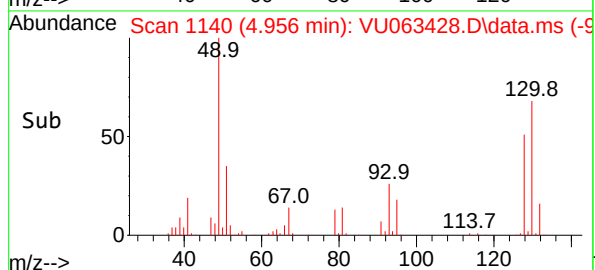
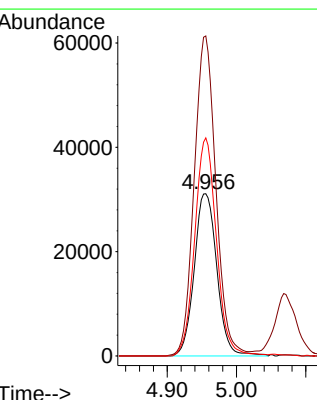
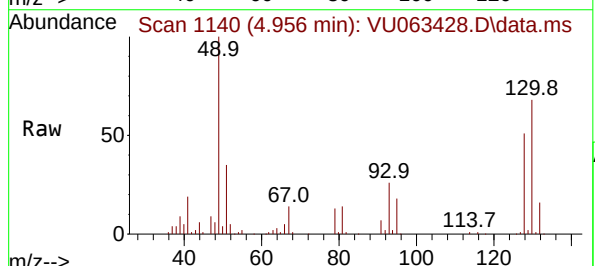
Tgt Ion:128 Resp: 70583

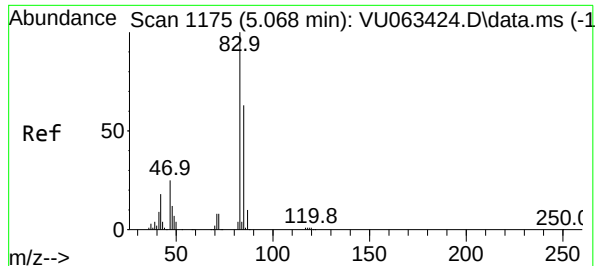
Ion Ratio Lower Upper

128 100

49 189.2 0.0 441.2

130 128.9 102.3 153.5





#27

Chloroform

Concen: 10.619 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 83 Resp: 33343

Ion Ratio Lower Upper

83 100

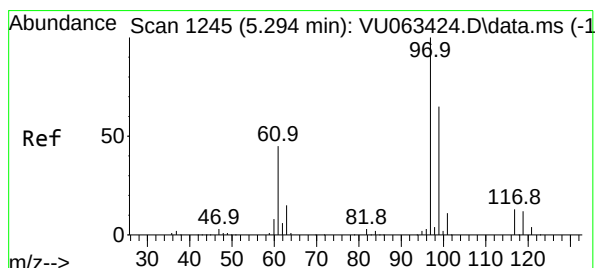
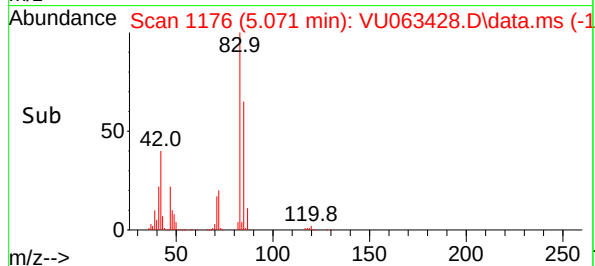
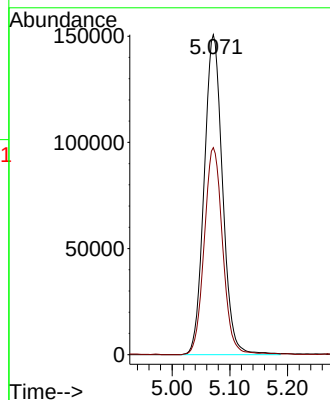
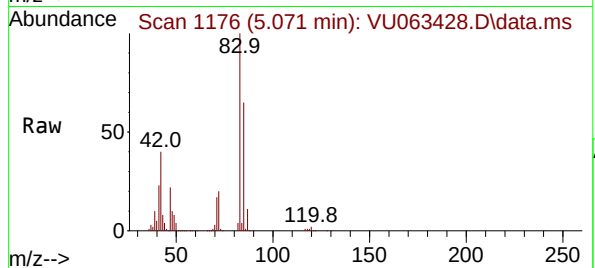
85 64.7 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 10.602 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

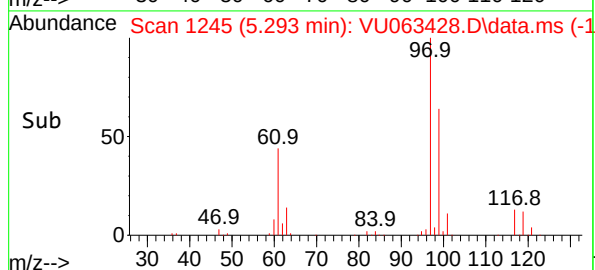
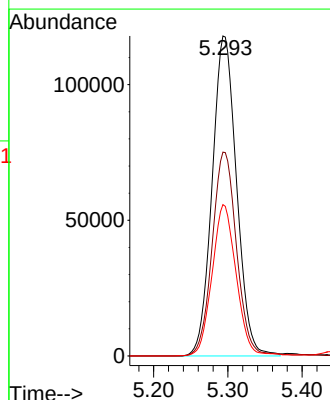
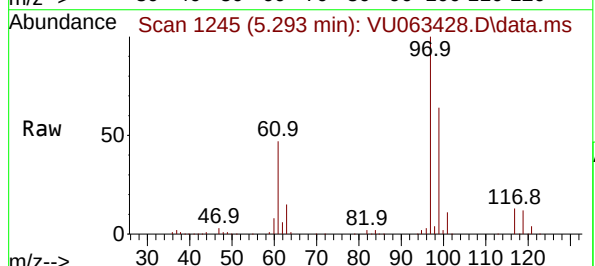
Tgt Ion: 97 Resp: 269917

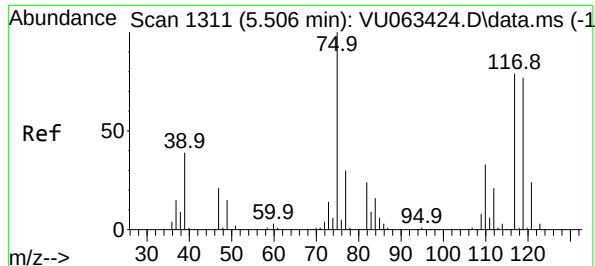
Ion Ratio Lower Upper

97 100

99 63.8 31.9 95.5

61 46.6 22.9 68.7





#29

1,1-Dichloropropene

Concen: 10.004 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. -0.001 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 75 Resp: 23268

Ion Ratio Lower Upper

75 100

110 33.4 17.4 52.2

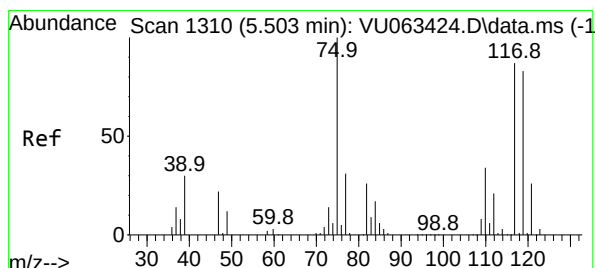
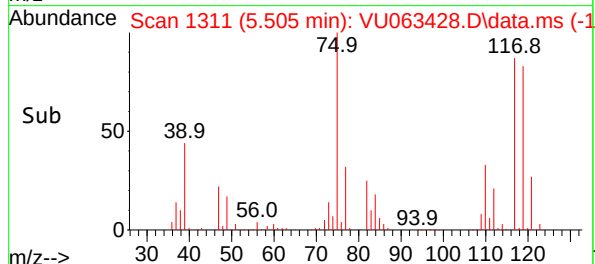
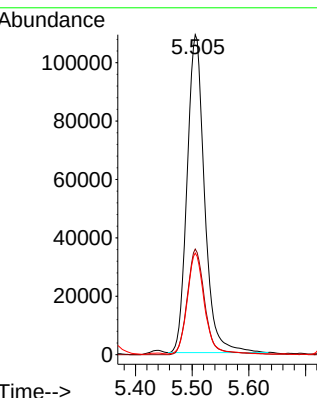
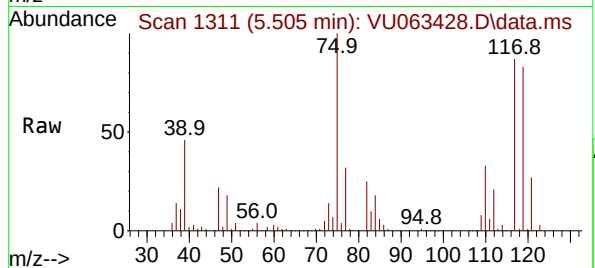
77 31.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 10.815 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

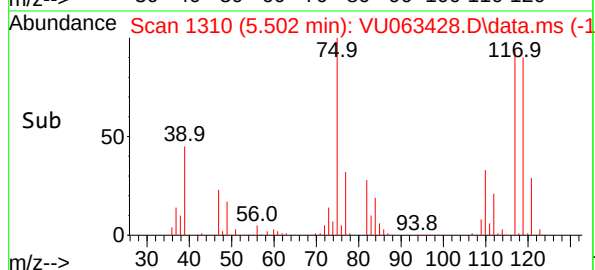
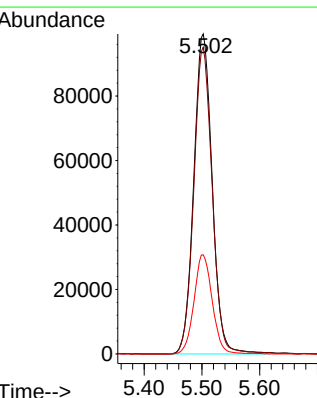
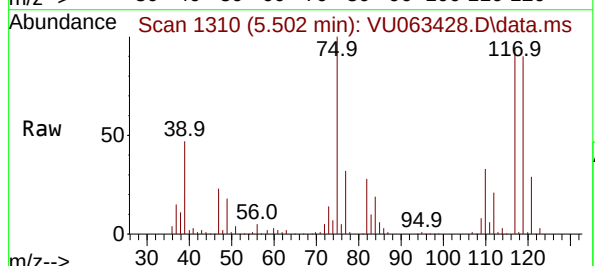
Tgt Ion:117 Resp: 219911

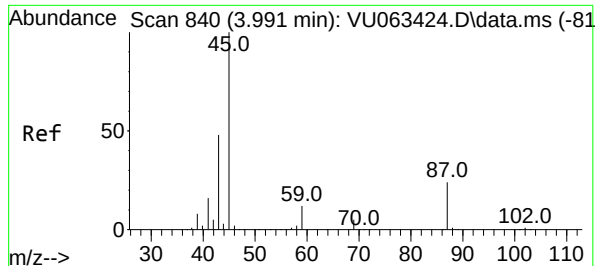
Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1

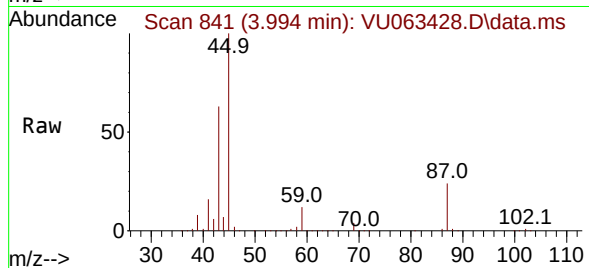
121 31.0 24.3 36.5





#31
Isopropyl Ether
Concen: 10.692 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

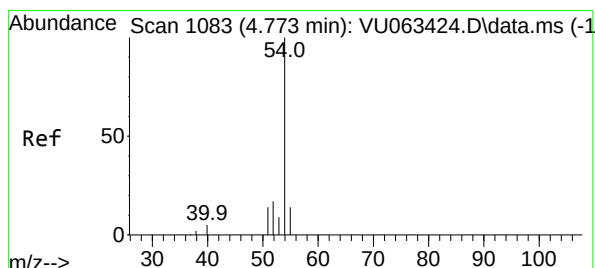
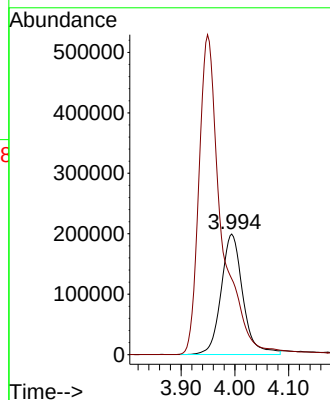
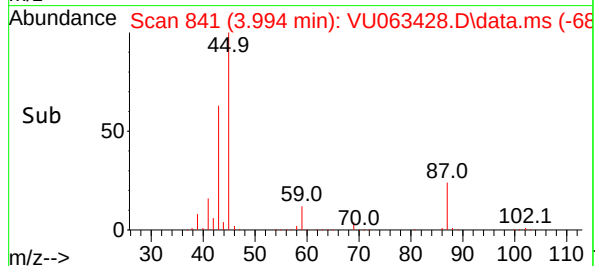
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



Tgt Ion: 45 Resp: 559450
Ion Ratio Lower Upper
45 100
43 275.5 23.8 71.5

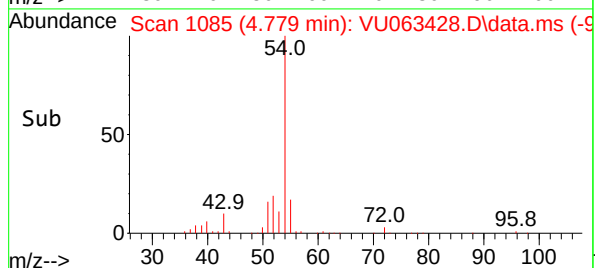
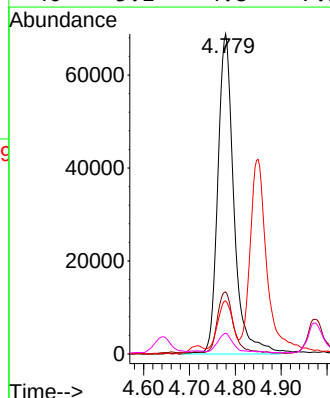
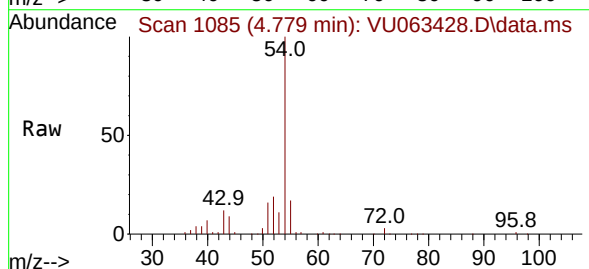
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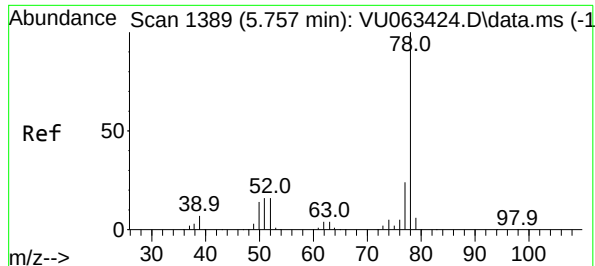
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#34
Propionitrile
Concen: 101.506 ug/l
RT: 4.779 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion: 54 Resp: 167842
Ion Ratio Lower Upper
54 100
52 18.3 14.8 22.2
55 15.6 12.2 18.2
40 5.1 4.8 7.2





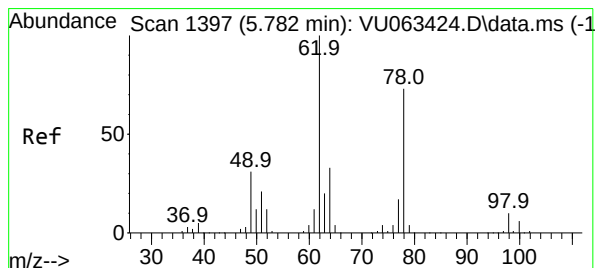
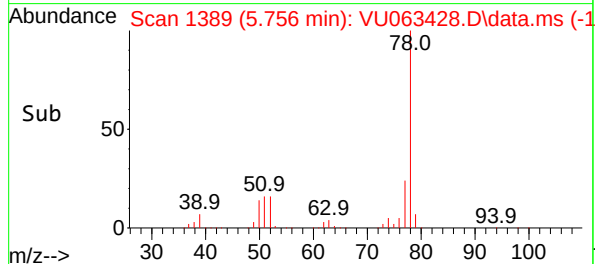
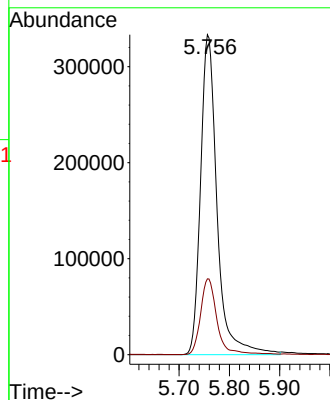
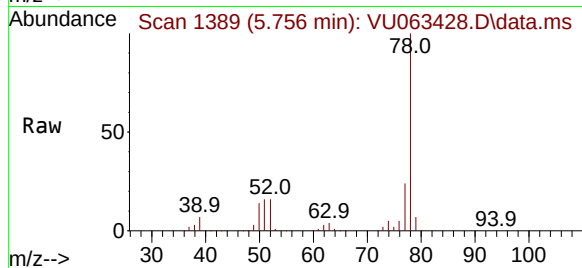
#35
Benzene
Concen: 10.784 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion: 78 Resp: 758740
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.2

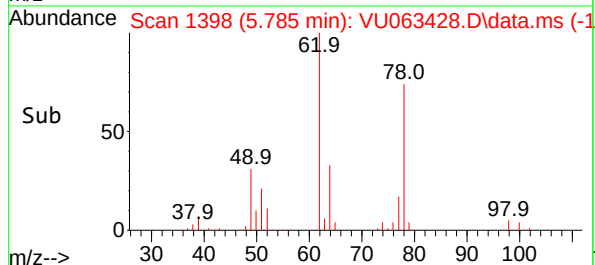
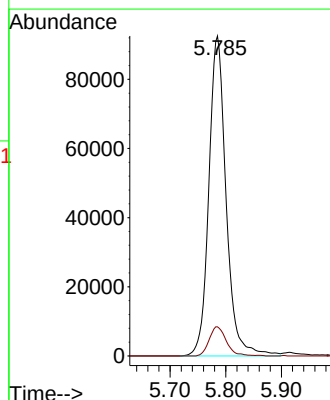
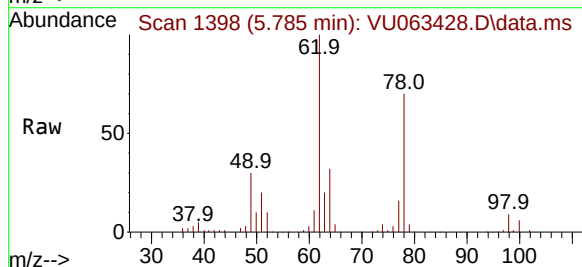
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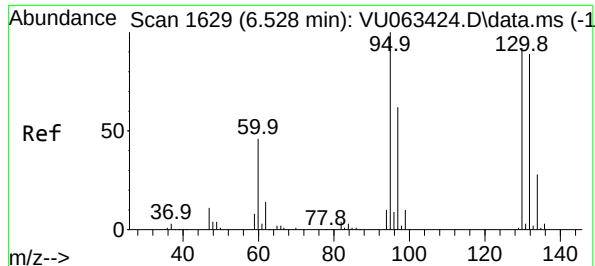
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 9.701 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion: 62 Resp: 199524
Ion Ratio Lower Upper
62 100
98 9.1 7.1 10.7





#37

Trichloroethene

Concen: 9.923 ug/l

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion:130 Resp: 16498

Ion Ratio Lower Upper

130 100

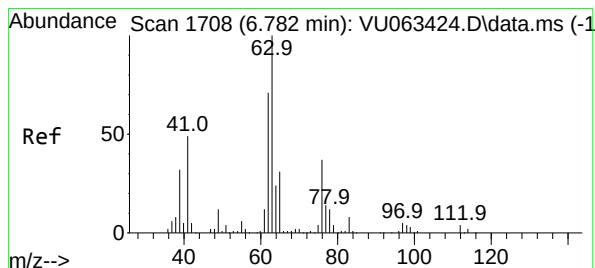
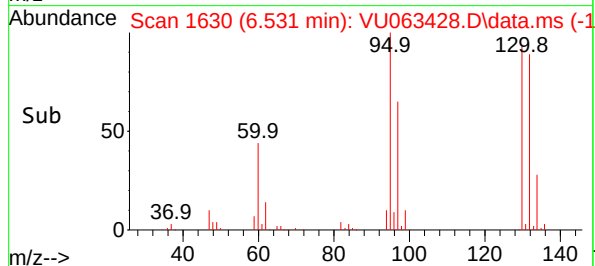
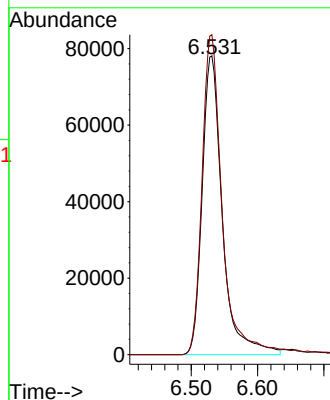
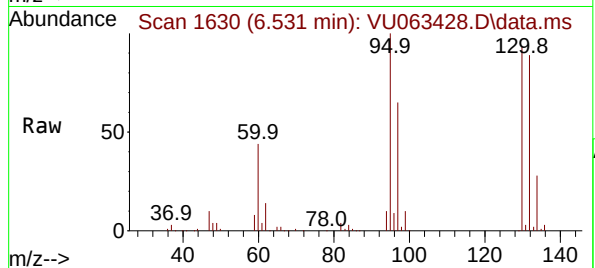
95 107.1 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 10.383 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VU063428.D

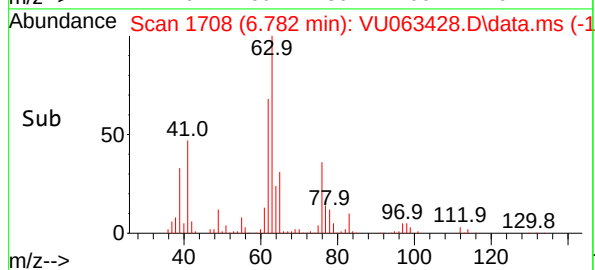
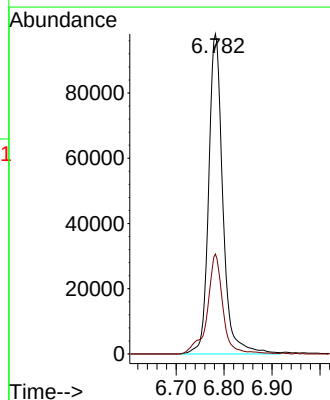
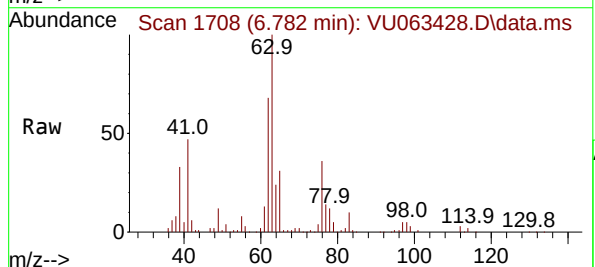
Acq: 23 Jun 2025 17:06

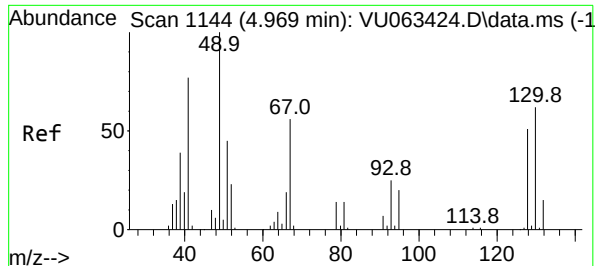
Tgt Ion: 63 Resp: 201756

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.6





#39

Methacrylonitrile

Concen: 8.371 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 41 Resp: 57586

Ion Ratio Lower Upper

41 100

67 83.9 59.8 89.8

39 50.3 40.7 61.1

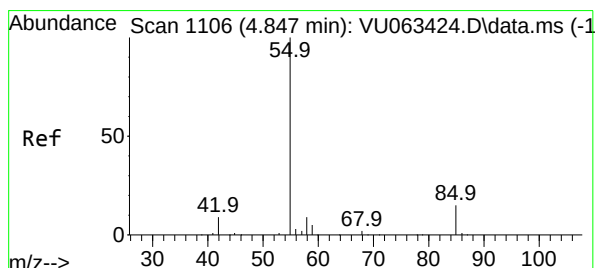
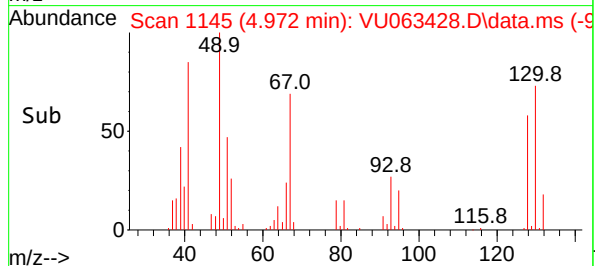
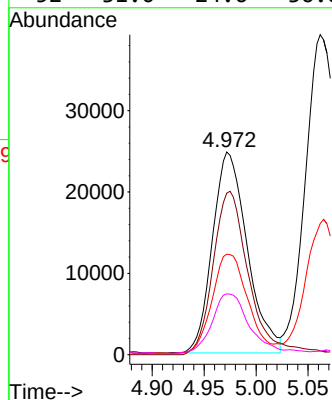
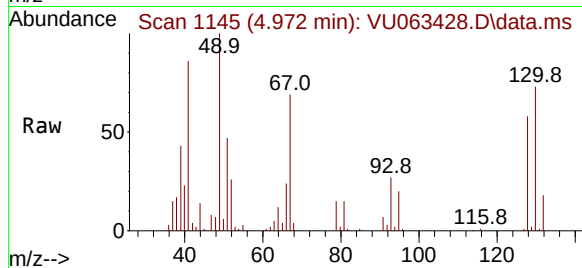
52 31.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 10.805 ug/l

RT: 4.849 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion: 55 Resp: 104375

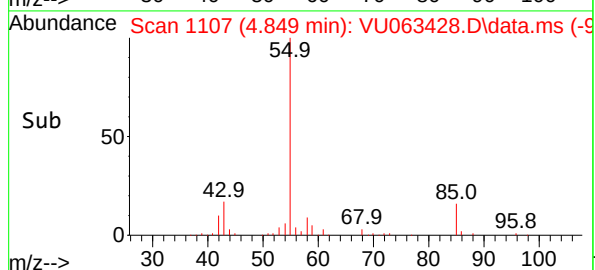
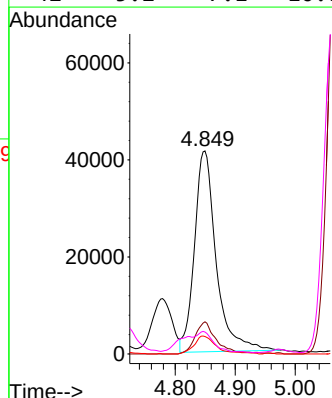
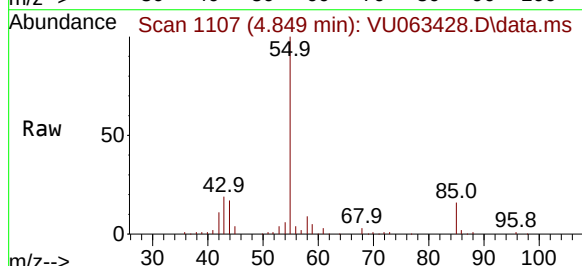
Ion Ratio Lower Upper

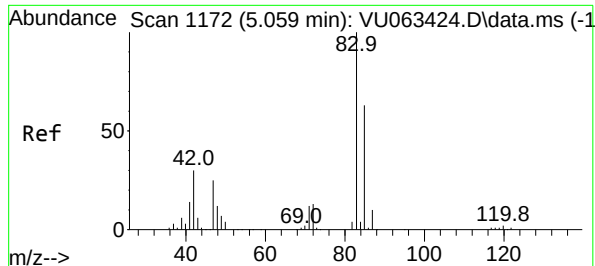
55 100

85 15.6 12.6 19.0

58 8.9 6.9 10.3

42 5.2 7.1 10.7#





#41

Tetrahydrofuran

Concen: 42.681 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 42 Resp: 157958

Ion Ratio Lower Upper

42 100

72 47.1 35.4 53.2

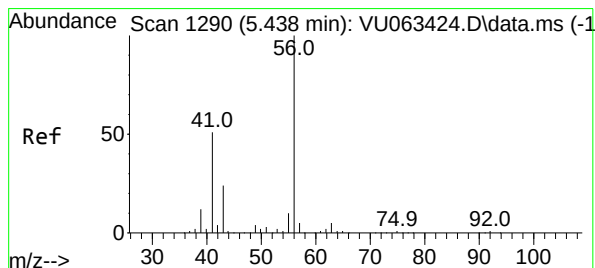
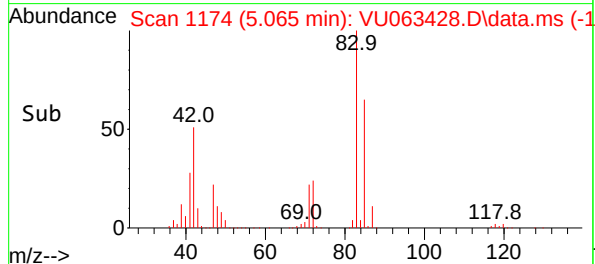
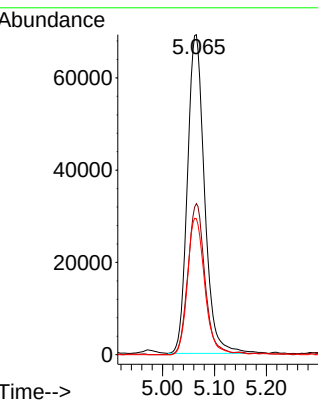
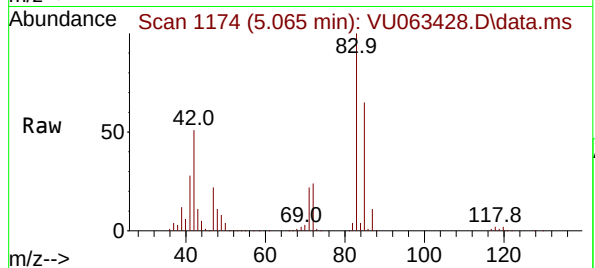
71 43.1 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 10.403 ug/l

RT: 5.438 min Scan# 1290

Delta R.T. -0.000 min

Lab File: VU063428.D

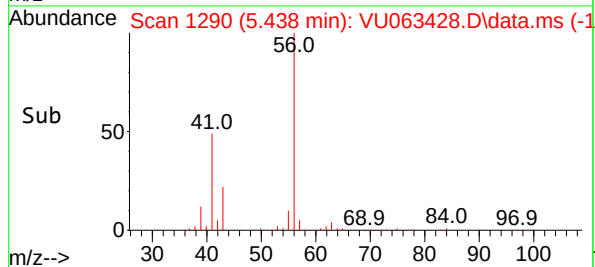
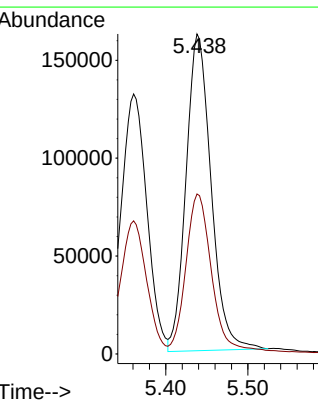
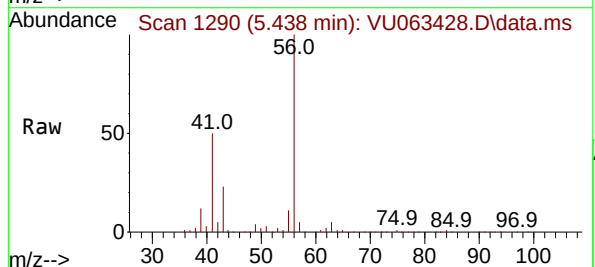
Acq: 23 Jun 2025 17:06

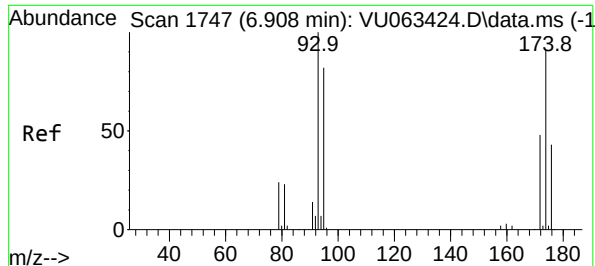
Tgt Ion: 56 Resp: 343249

Ion Ratio Lower Upper

56 100

41 52.8 26.4 79.0





#43

Dibromomethane

Concen: 10.351 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. -0.001 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 93 Resp: 93959

Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

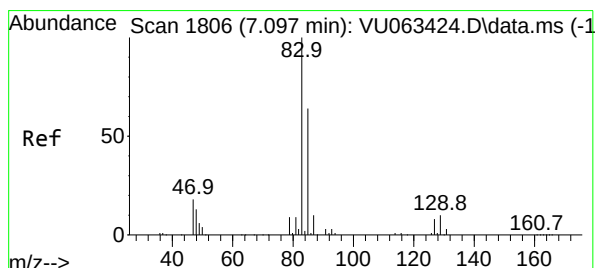
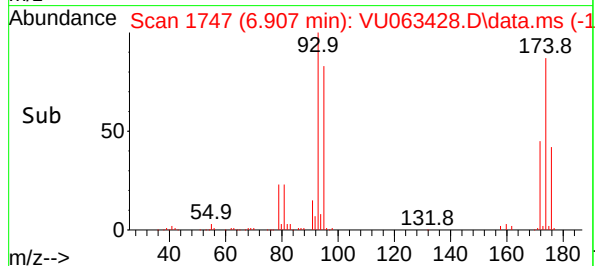
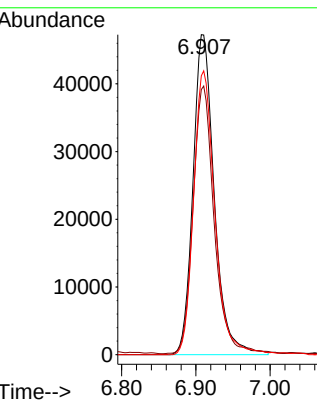
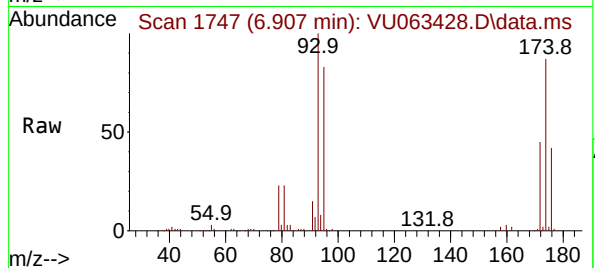
174 88.8 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 10.803 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

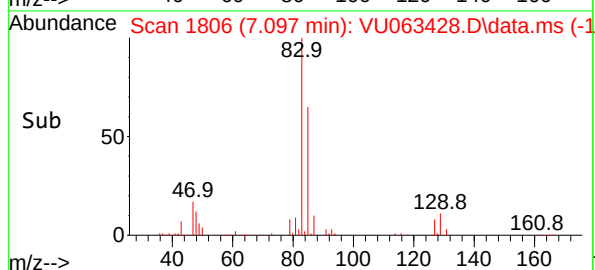
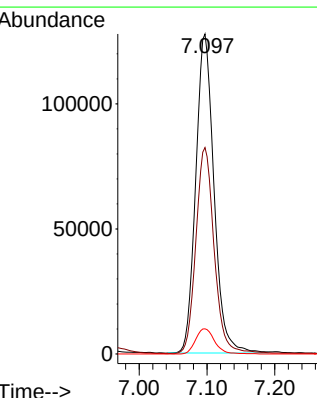
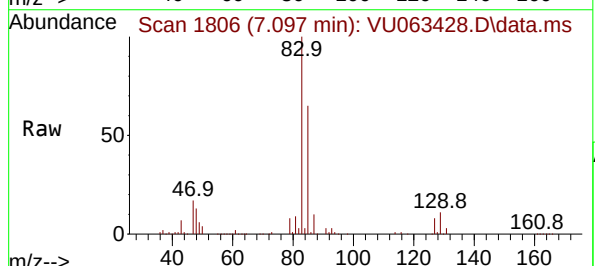
Tgt Ion: 83 Resp: 238860

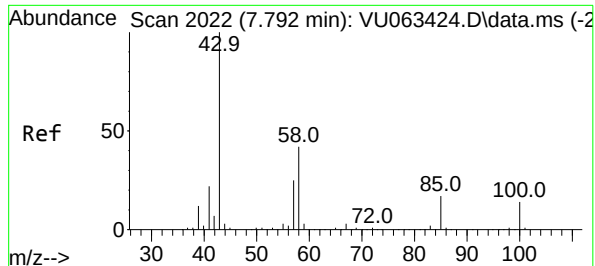
Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.2

127 7.9 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 55.253 ug/l

RT: 7.795 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 43 Resp: 538372

Ion Ratio Lower Upper

43

100

58

17.8

85

14.2

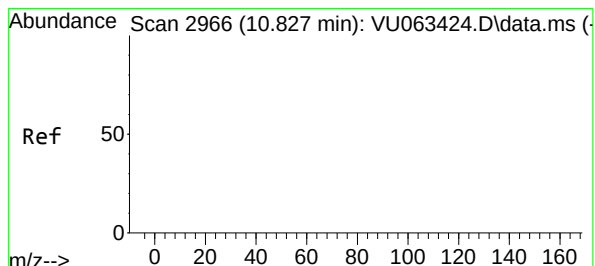
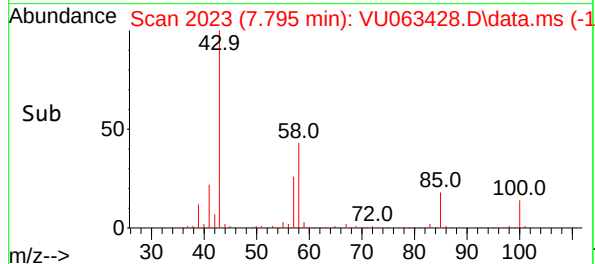
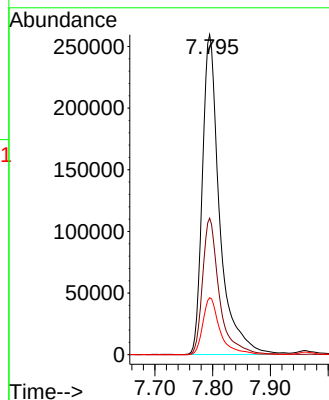
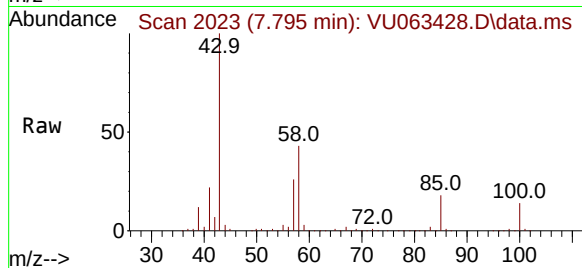
21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 11.012 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion: 75 Resp: 35270

Ion Ratio Lower Upper

75

100

53

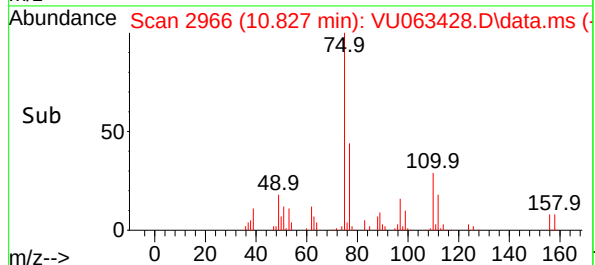
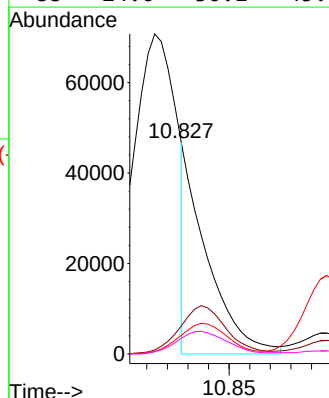
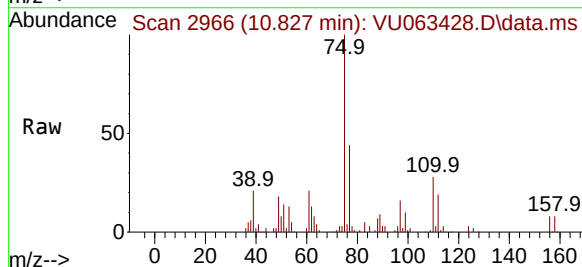
31.5

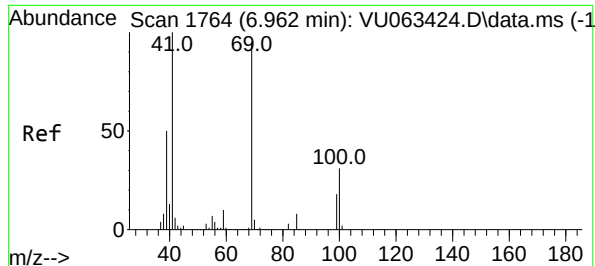
88

24.0

30.1

45.1#





#47

Methyl methacrylate

Concen: 9.804 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 69 Resp: 80534

Ion Ratio Lower Upper

69 100

41 99.4 0.0 212.6

39 51.6 40.6 61.0

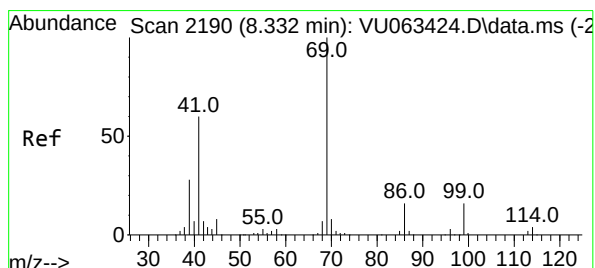
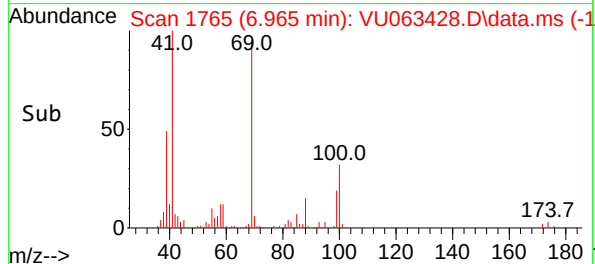
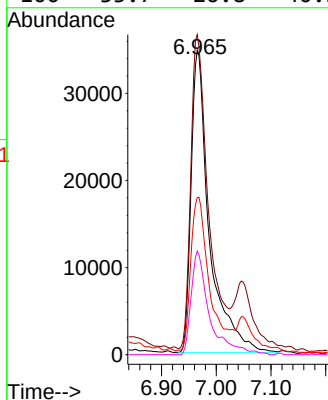
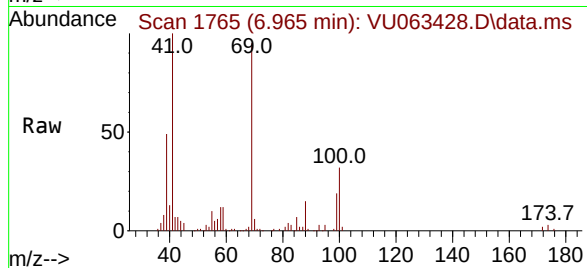
100 33.7 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 10.000 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VU063428.D

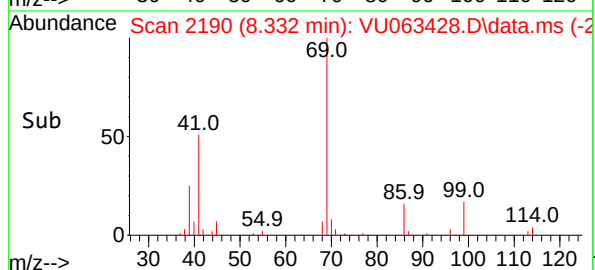
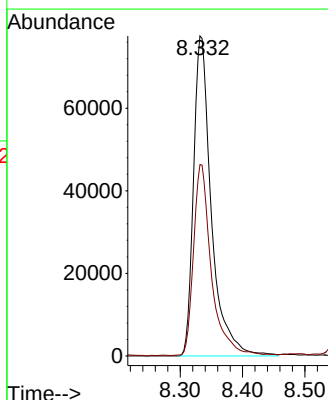
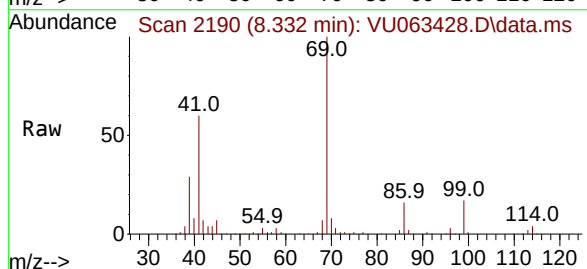
Acq: 23 Jun 2025 17:06

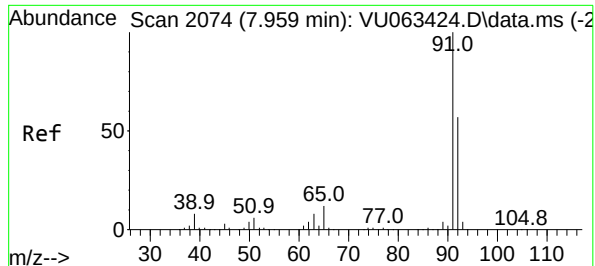
Tgt Ion: 69 Resp: 153677

Ion Ratio Lower Upper

69 100

41 59.5 30.6 92.0





#49

Toluene

Concen: 11.797 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 92 Resp: 45566

Ion Ratio Lower Upper

92 100

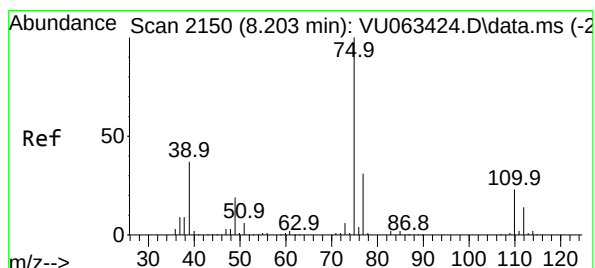
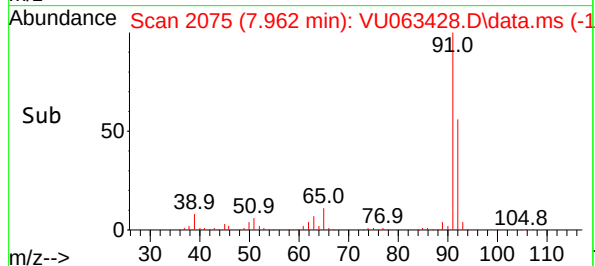
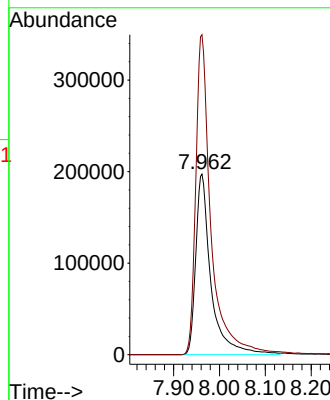
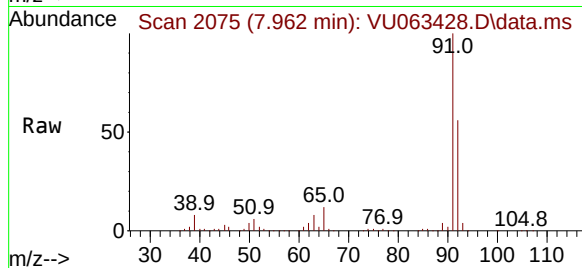
91 177.5 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 11.863 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063428.D

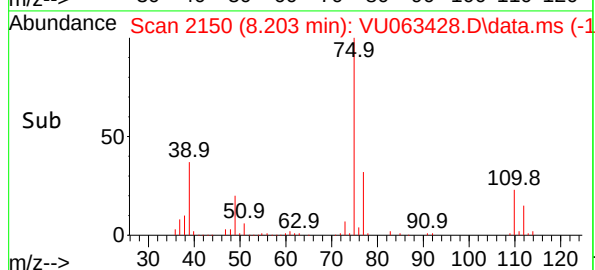
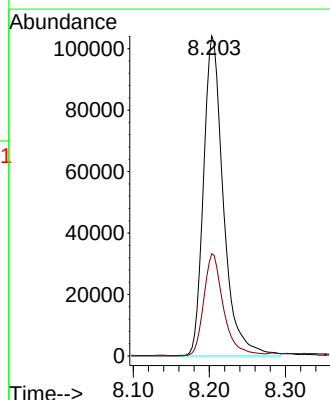
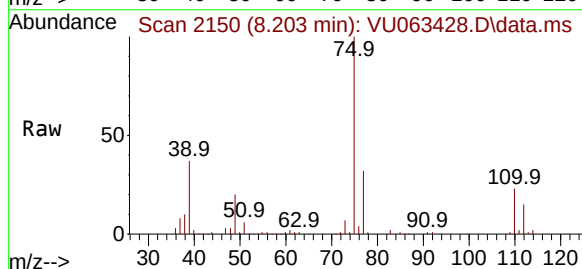
Acq: 23 Jun 2025 17:06

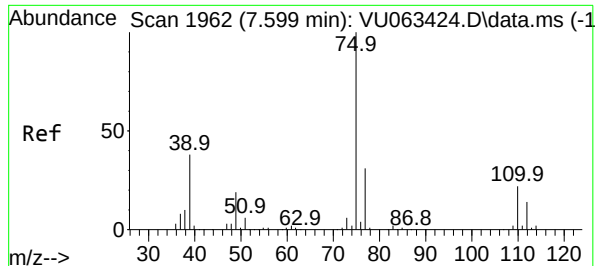
Tgt Ion: 75 Resp: 189158

Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 11.290 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 75 Resp: 24178

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

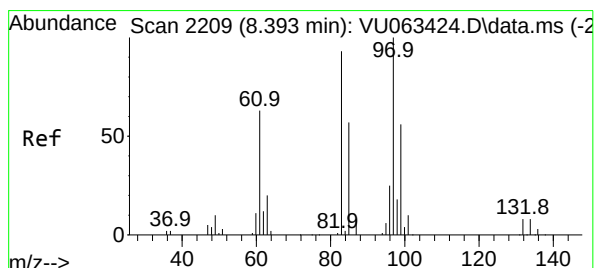
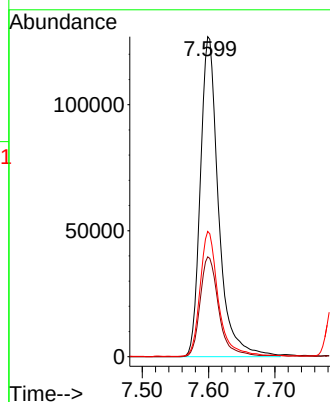
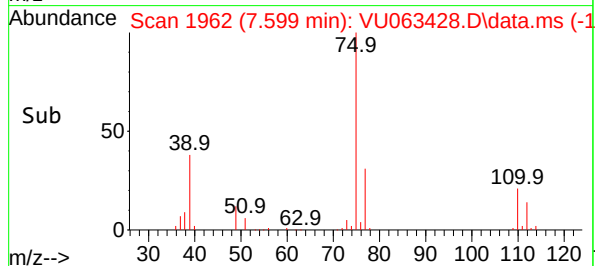
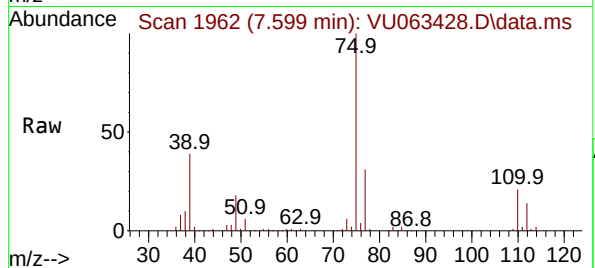
39 39.0 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 9.874 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion: 97 Resp: 131028

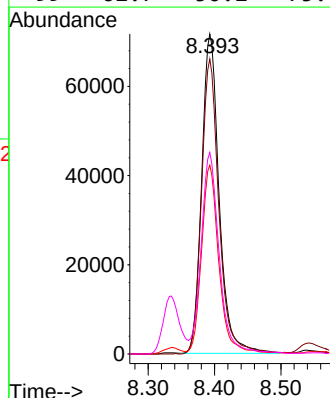
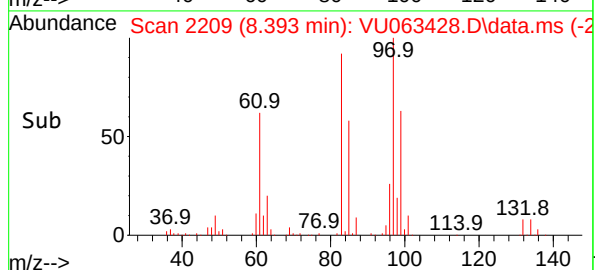
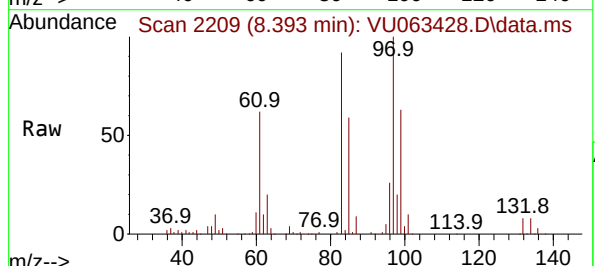
Ion Ratio Lower Upper

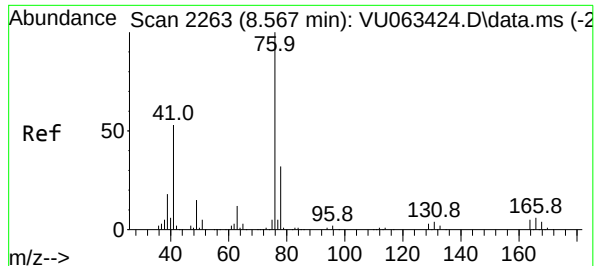
97 100

83 92.4 74.1 111.1

85 58.8 45.8 68.8

99 62.7 50.2 75.4





#53

1,3-Dichloropropane

Concen: 10.175 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 76 Resp: 232289

Ion Ratio Lower Upper

76 100

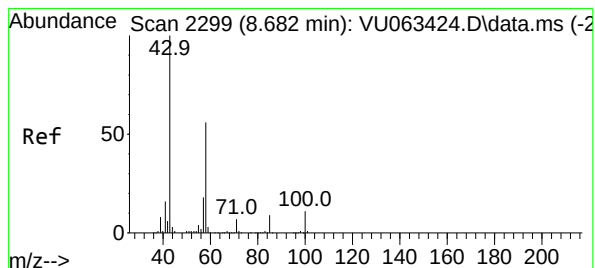
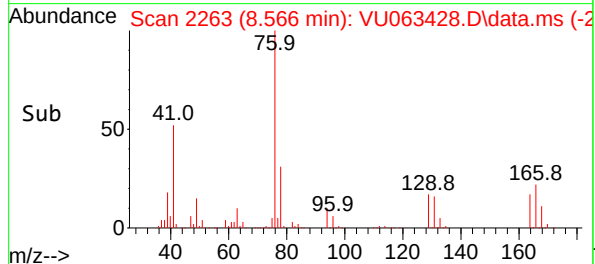
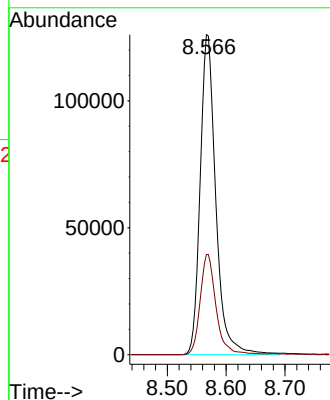
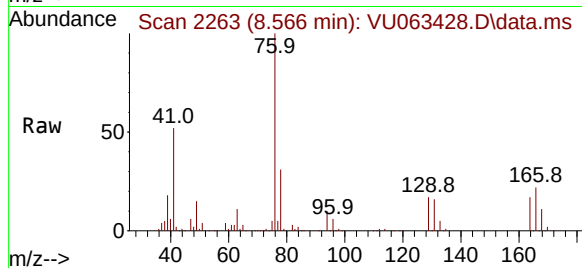
78 31.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 47.244 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

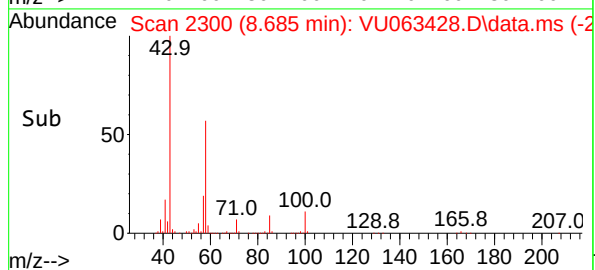
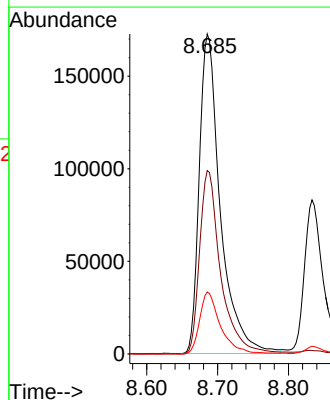
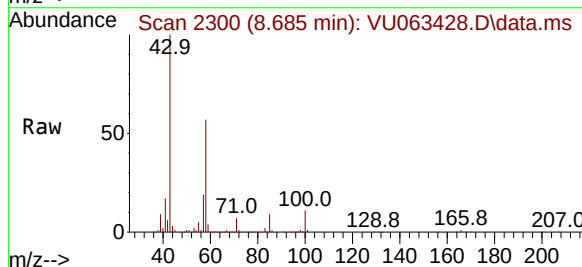
Tgt Ion: 43 Resp: 356851

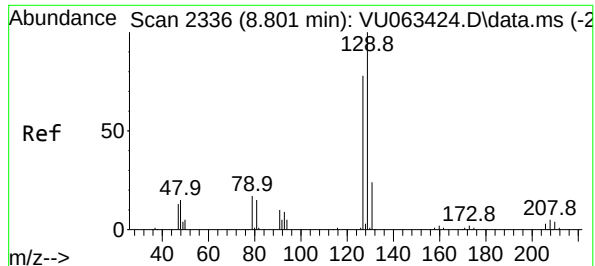
Ion Ratio Lower Upper

43 100

58 57.6 36.9 76.9

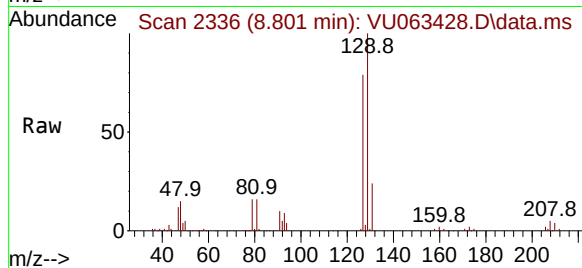
57 19.1 0.0 38.8





#55
Dibromochloromethane
Concen: 11.013 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

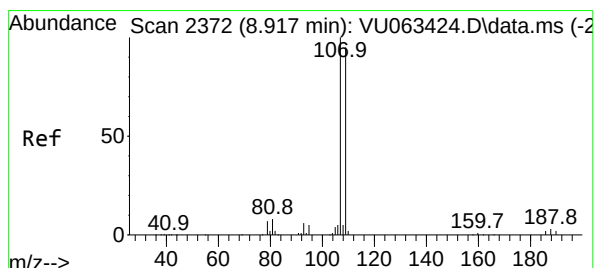
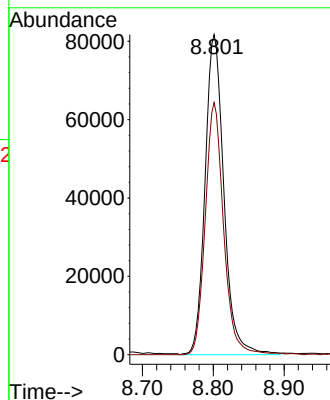
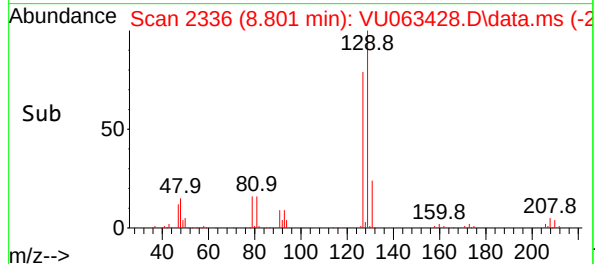
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



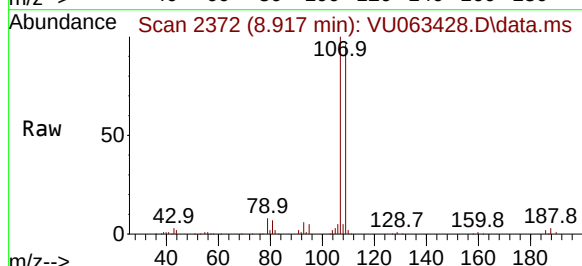
Tgt Ion:129 Resp: 150760
Ion Ratio Lower Upper
129 100
127 76.4 62.6 93.8

Manual Integrations
APPROVED

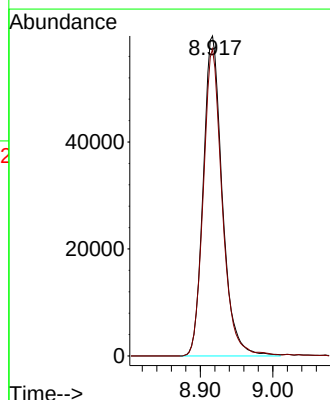
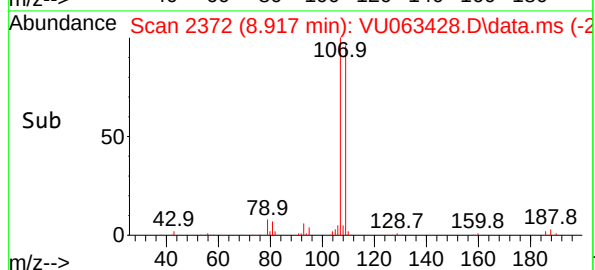
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

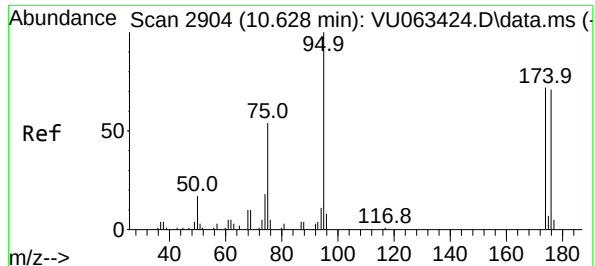


#56
1,2-Dibromoethane
Concen: 10.159 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06



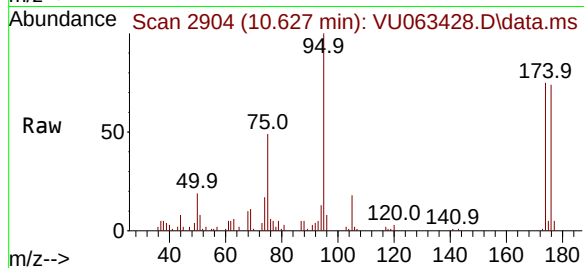
Tgt Ion:107 Resp: 109284
Ion Ratio Lower Upper
107 100
109 94.6 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 1.095 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. -0.001 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

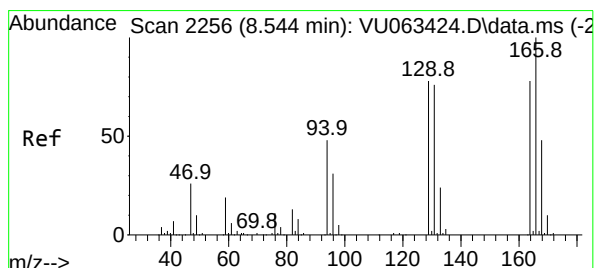
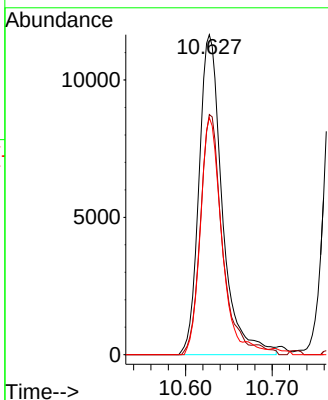
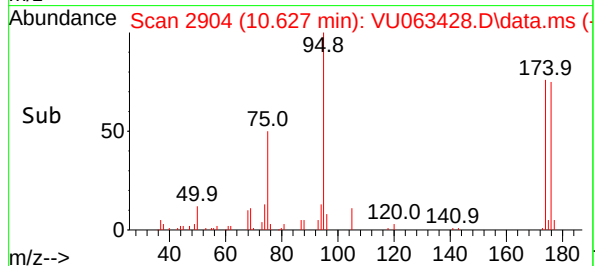
Instrument : MSVOA_U
ClientSampleId : ICVVU062325



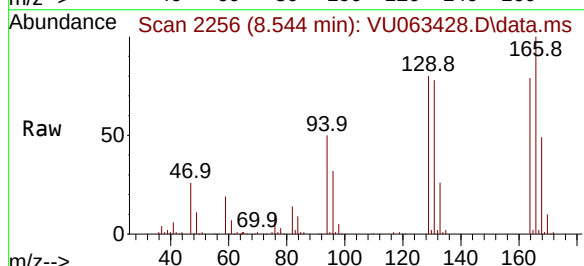
Tgt Ion: 95 Resp: 2171
Ion Ratio Lower Upper
95 100
174 69.8 59.4 89.2
176 68.7 57.8 86.6

Manual Integrations
APPROVED

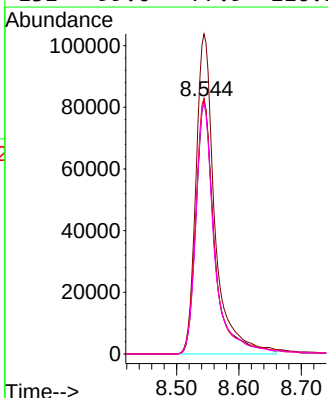
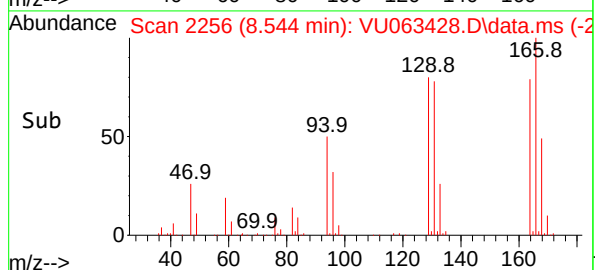
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

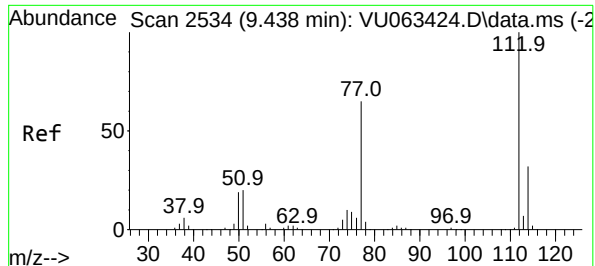


#58
Tetrachloroethene
Concen: 10.482 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06



Tgt Ion:164 Resp: 170952
Ion Ratio Lower Upper
164 100
166 126.5 102.8 154.2
129 101.0 80.2 120.2
131 99.0 77.9 116.9





#59

Chlorobenzene

Concen: 11.414 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion:112 Resp: 471970

Ion Ratio Lower Upper

112 100

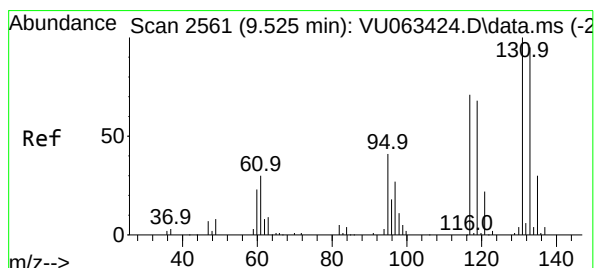
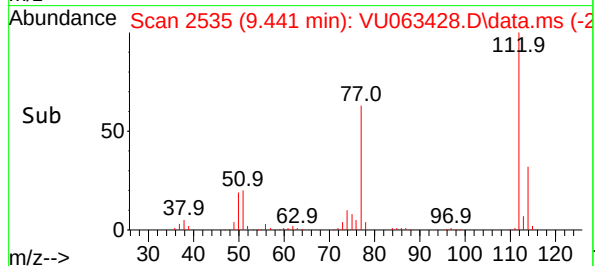
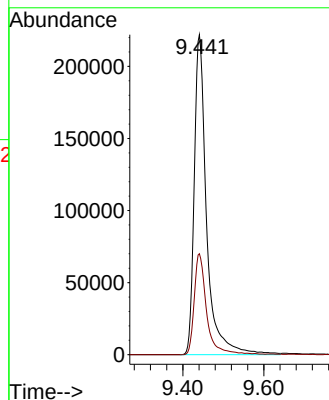
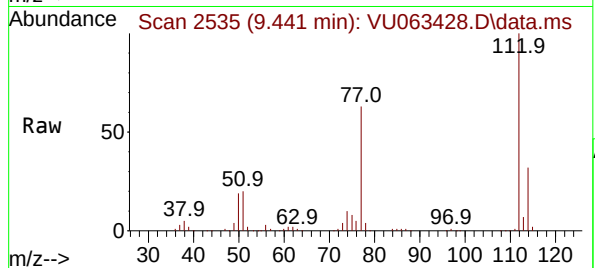
114 31.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 9.976 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

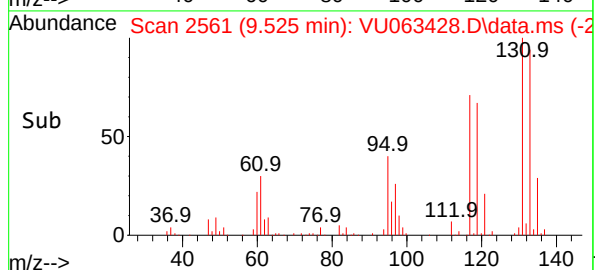
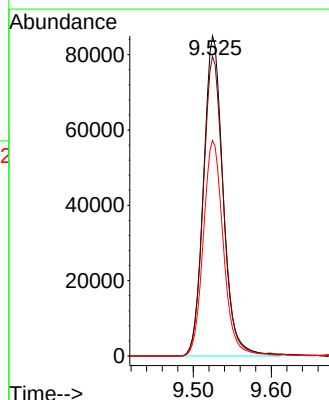
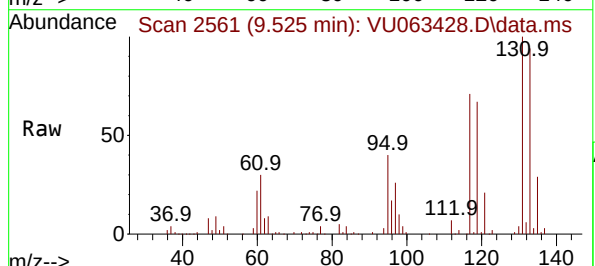
Tgt Ion:131 Resp: 148493

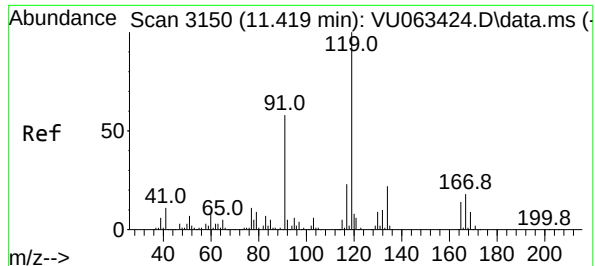
Ion Ratio Lower Upper

131 100

133 95.5 76.1 114.1

119 68.6 53.7 80.5





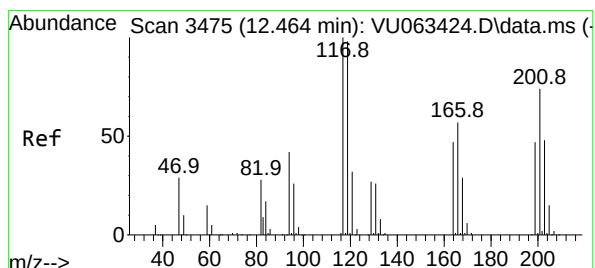
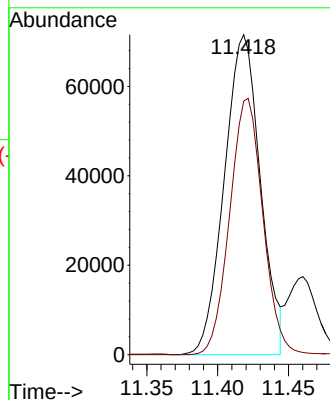
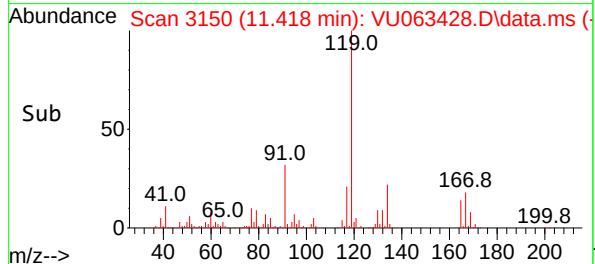
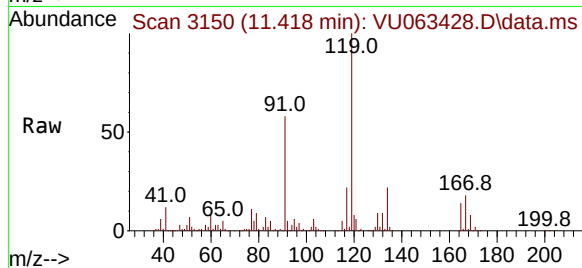
#61
Pentachloroethane
Concen: 10.467 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion:117 Resp: 126930
Ion Ratio Lower Upper
117 100
167 73.8 58.1 87.1

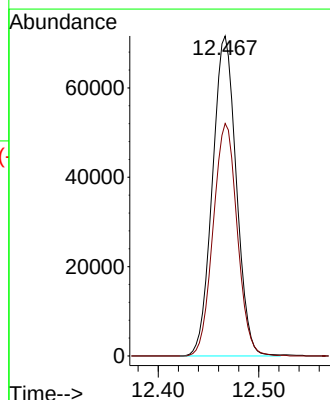
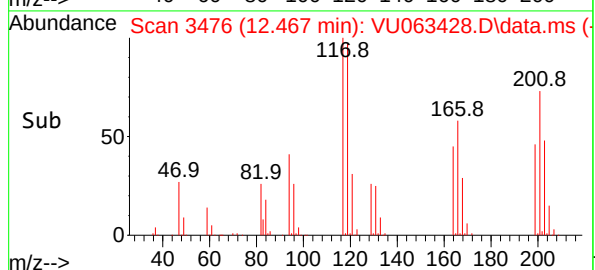
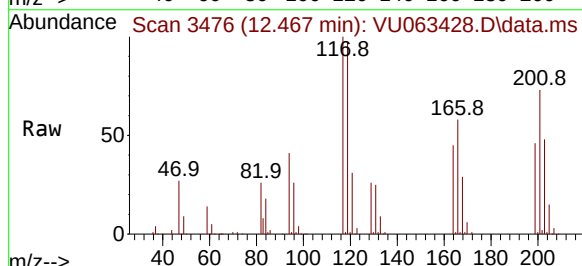
Manual Integrations
APPROVED

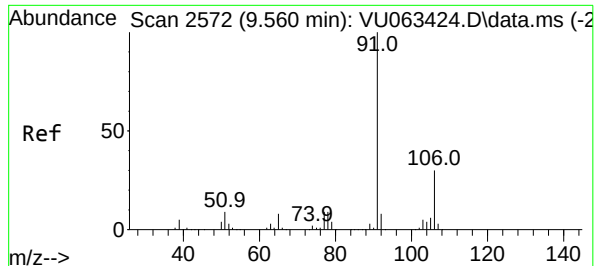
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 10.828 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion:117 Resp: 118081
Ion Ratio Lower Upper
117 100
201 73.1 60.4 90.6





#63

Ethyl Benzene

Concen: 12.408 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 91 Resp: 82255

Ion Ratio Lower Upper

91 100

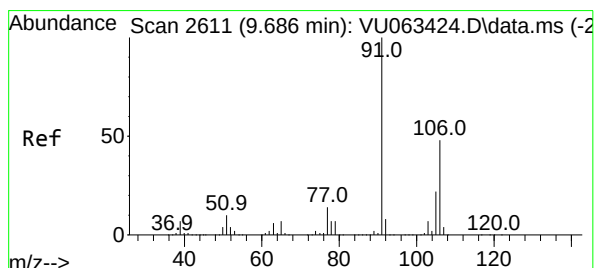
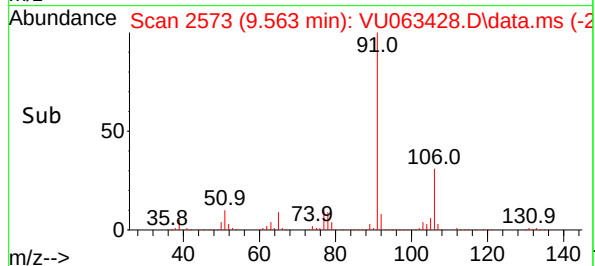
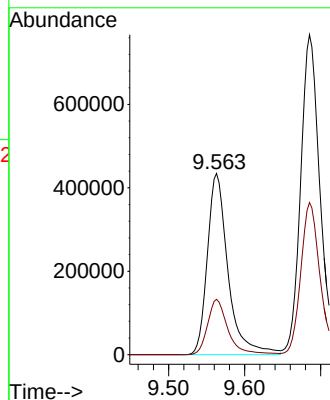
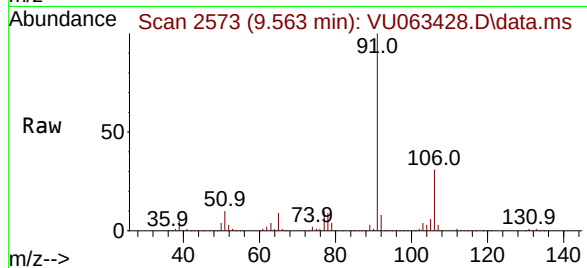
106 30.5 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#64

m/p-Xylenes

Concen: 21.238 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. -0.001 min

Lab File: VU063428.D

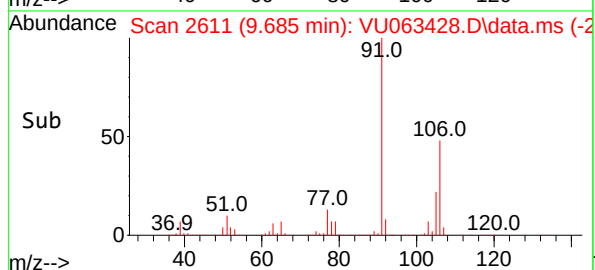
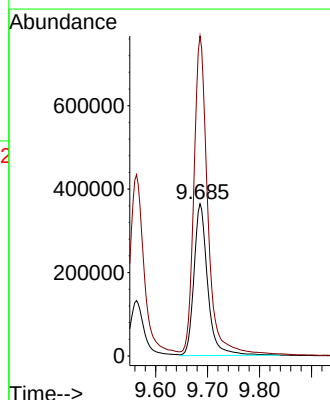
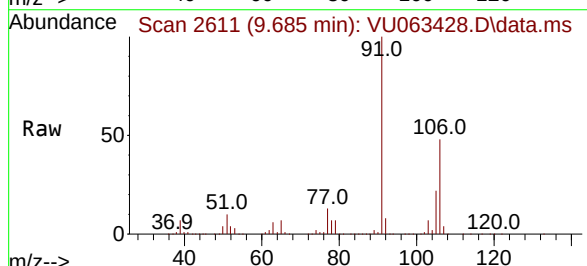
Acq: 23 Jun 2025 17:06

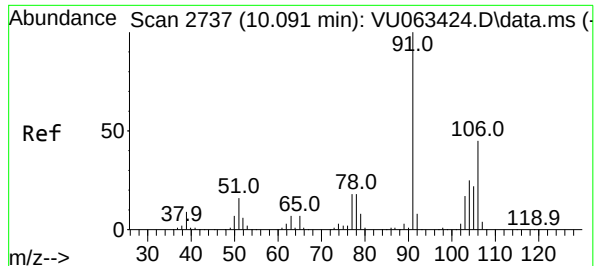
Tgt Ion:106 Resp: 667167

Ion Ratio Lower Upper

106 100

91 216.2 169.9 254.9





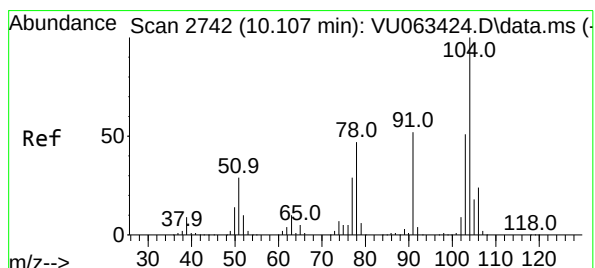
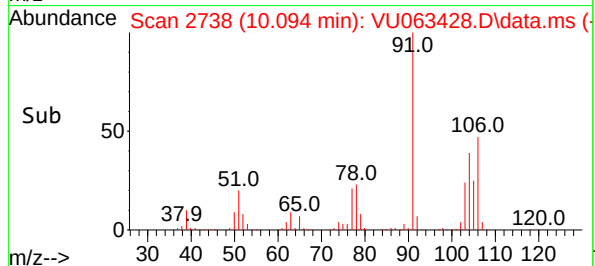
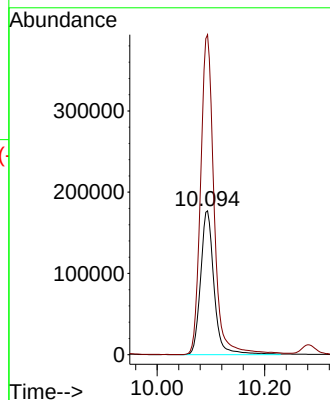
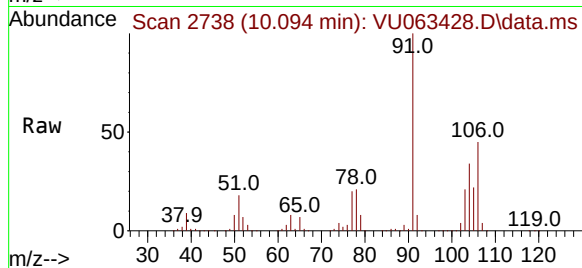
#65
o-Xylene
Concen: 12.240 ug/l
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Tgt Ion:106 Resp: 308269
Ion Ratio Lower Upper
106 100
91 222.6 110.8 332.3

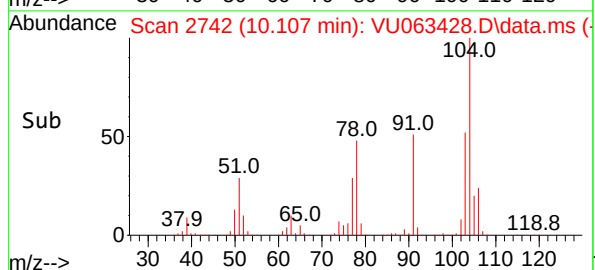
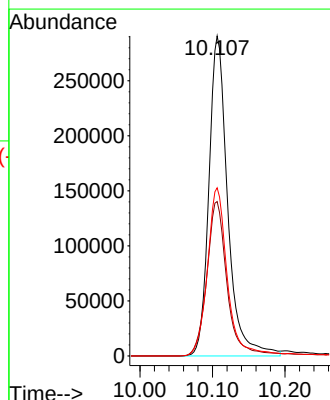
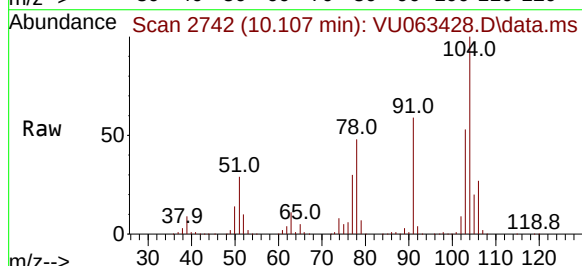
Manual Integrations
APPROVED

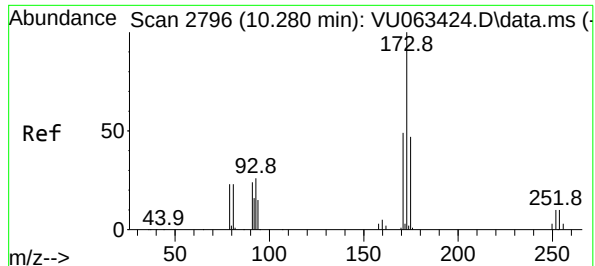
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 10.412 ug/l
RT: 10.107 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

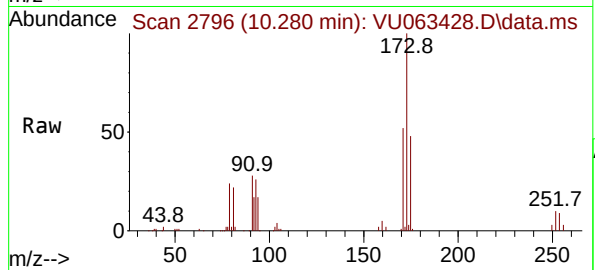
Tgt Ion:104 Resp: 525060
Ion Ratio Lower Upper
104 100
78 52.7 41.6 62.4
103 55.7 44.6 67.0





#67
Bromoform
Concen: 10.701 ug/l
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

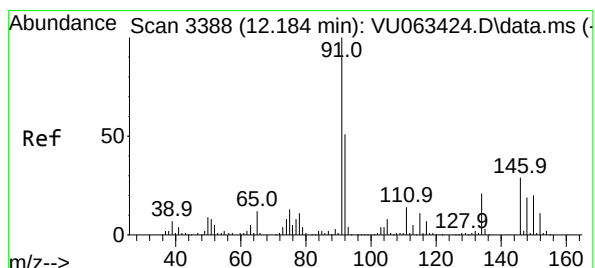
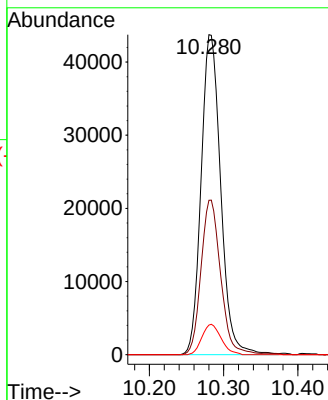
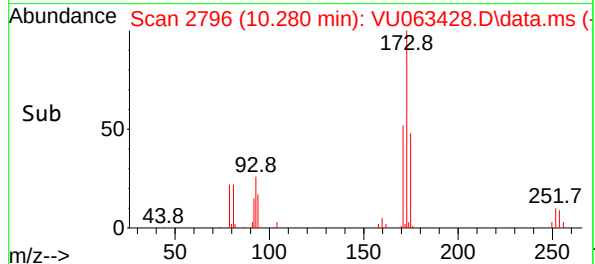
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



Tgt Ion:173 Resp: 8004
Ion Ratio Lower Upper
173 100
175 48.3 38.2 57.2
254 9.3 7.6 11.4

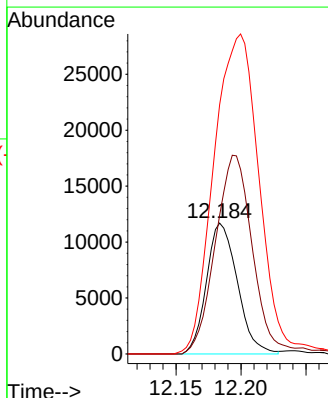
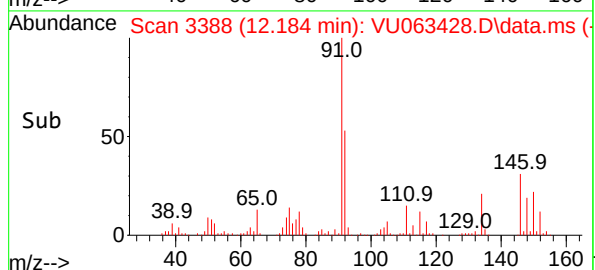
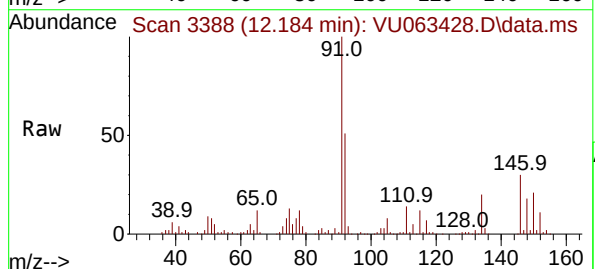
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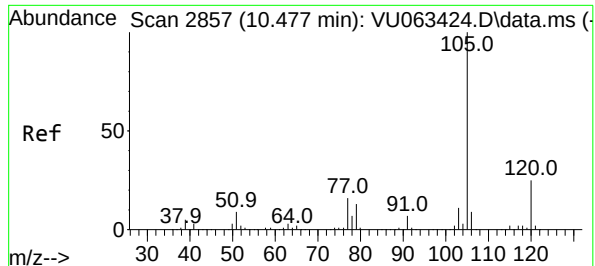
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#68
1,2-Dichlorobenzene-d4
Concen: 0.972 ug/l
RT: 12.184 min Scan# 3388
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion:152 Resp: 19353
Ion Ratio Lower Upper
152 100
115 184.4 0.0 327.6
150 359.2 0.0 664.4





#69

Isopropylbenzene

Concen: 13.991 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion:105 Resp: 816309

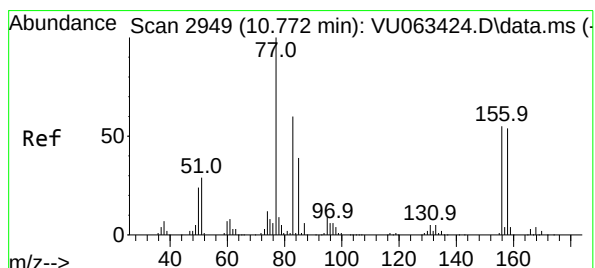
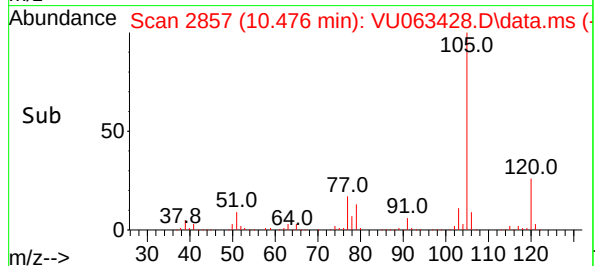
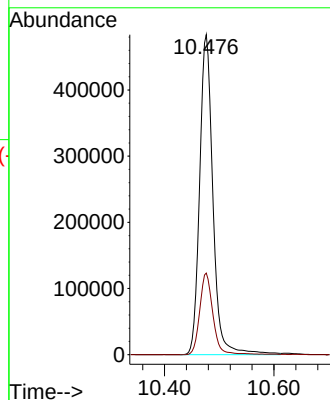
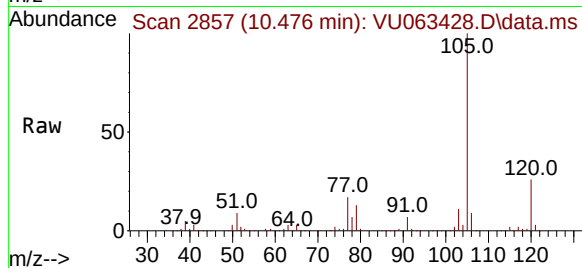
Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#70

1,1,2,2-Tetrachloroethane

Concen: 9.680 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

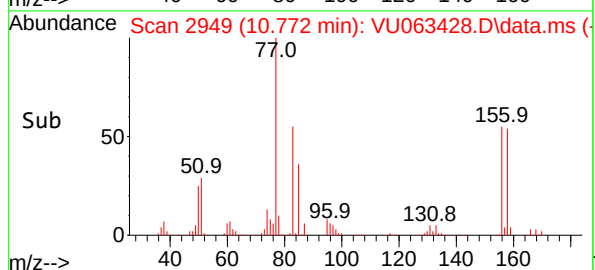
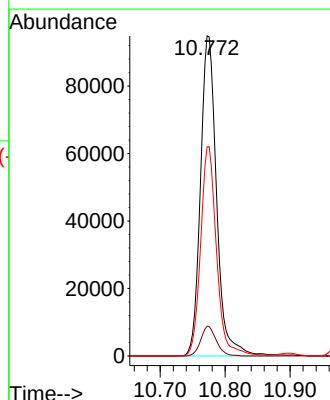
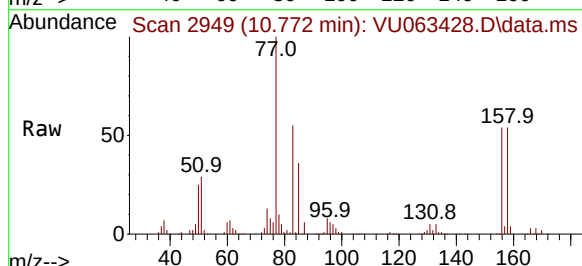
Tgt Ion: 83 Resp: 164306

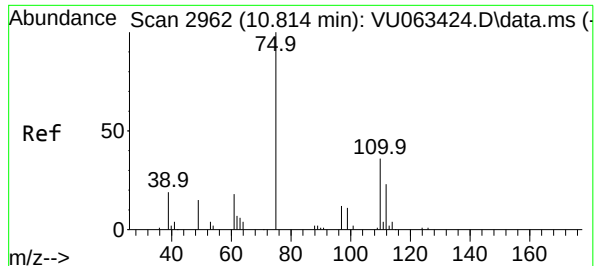
Ion Ratio Lower Upper

83 100

131 8.9 7.4 11.0

85 64.5 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 8.495 ug/l m

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion: 75 Resp: 11776

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 34.5 0.0 63.4

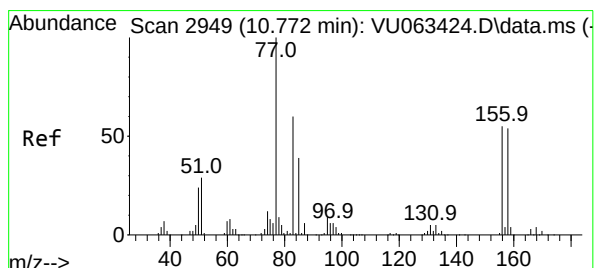
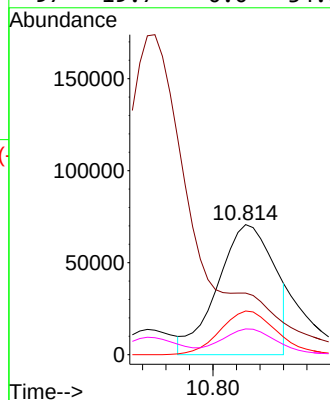
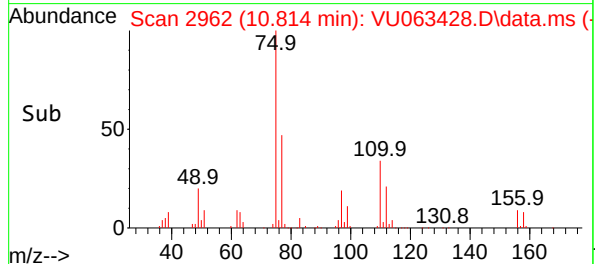
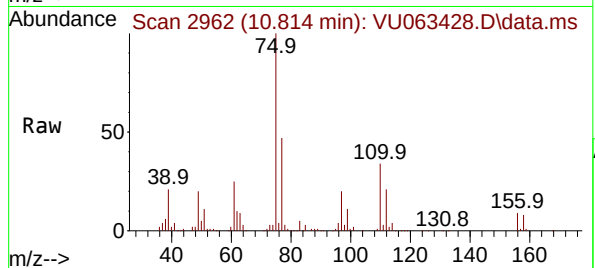
97 19.7 0.0 34.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 11.207 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

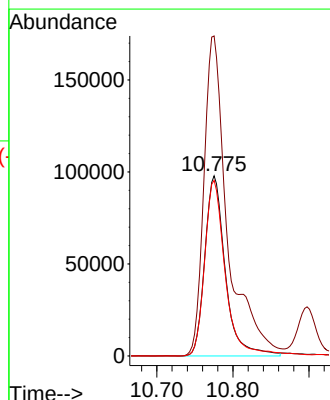
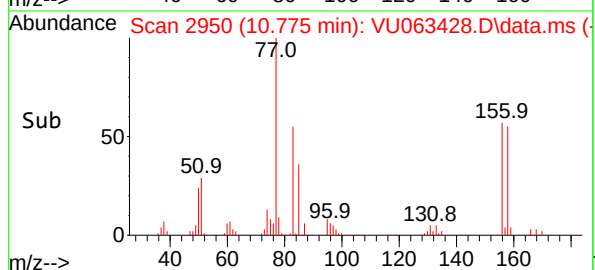
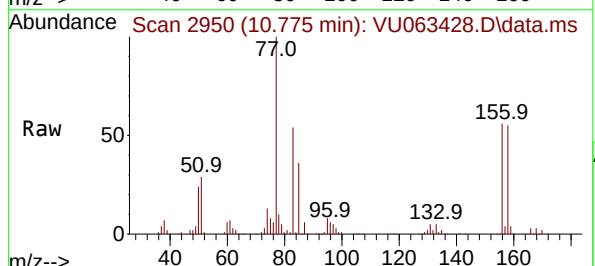
Tgt Ion:156 Resp: 183543

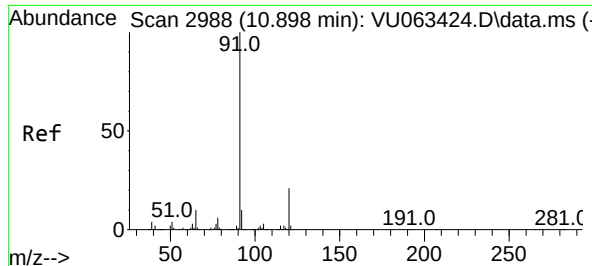
Ion Ratio Lower Upper

156 100

77 205.6 0.0 416.2

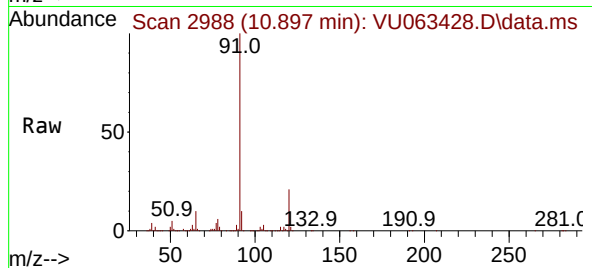
158 99.2 0.0 190.6





#73
n-propylbenzene
Concen: 10.430 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. -0.001 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

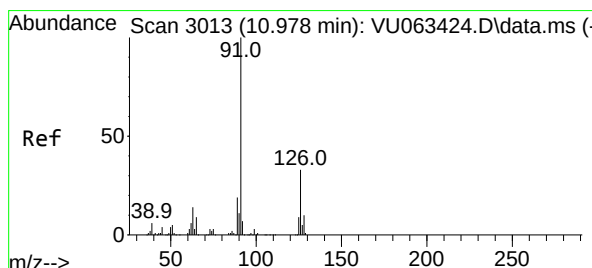
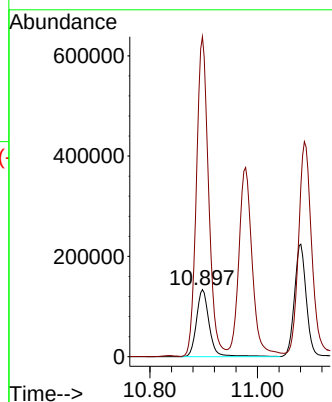
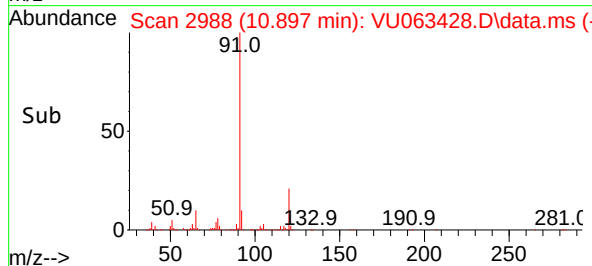
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



Tgt Ion:120 Resp: 220980
Ion Ratio Lower Upper
120 100
91 453.8 373.7 560.5

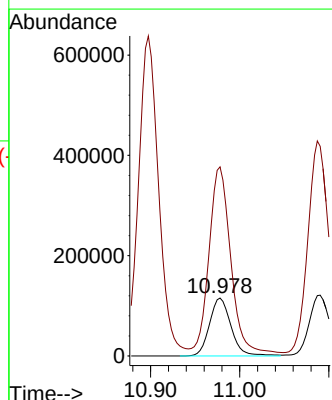
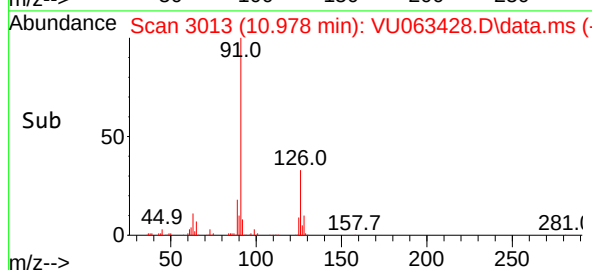
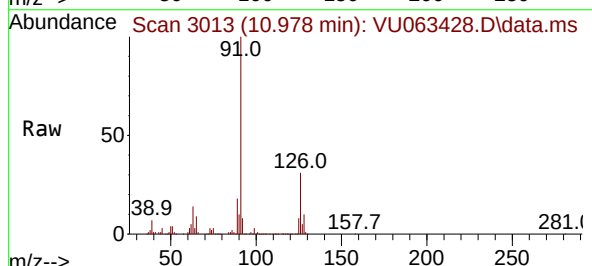
Manual Integrations
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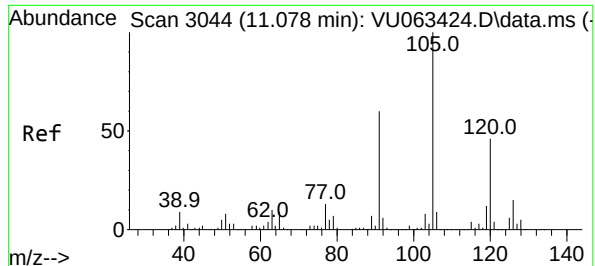
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 11.949 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

Tgt Ion:126 Resp: 193448
Ion Ratio Lower Upper
126 100
91 337.5 0.0 650.8





#75

1,3,5-Trimethylbenzene

Concen: 10.587 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion:105 Resp: 73691

Ion Ratio Lower Upper

105 100

120 45.9 37.0 55.4

Instrument :

MSVOA_U

ClientSampleId :

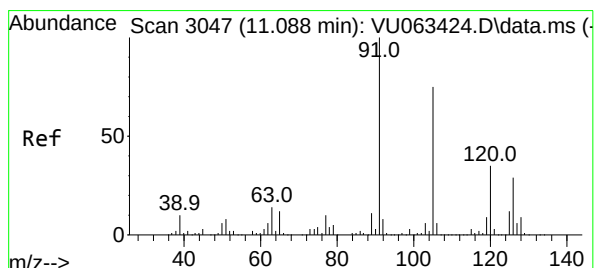
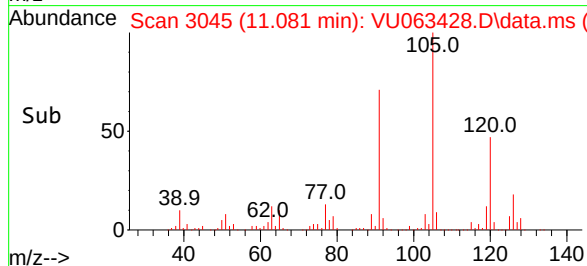
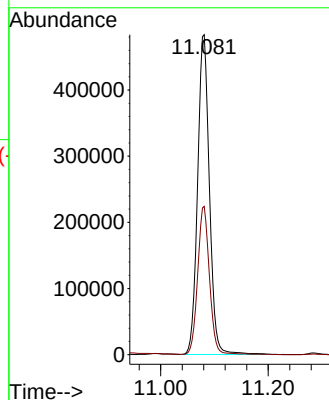
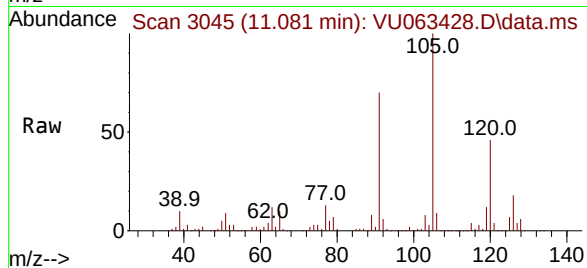
ICVVU062325

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#76

4-Chlorotoluene

Concen: 12.465 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VU063428.D

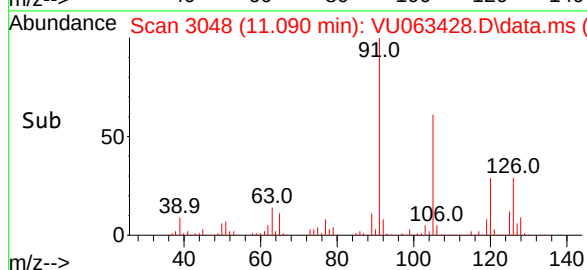
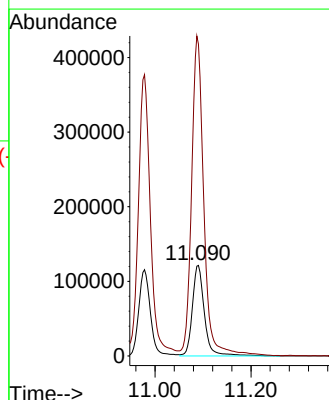
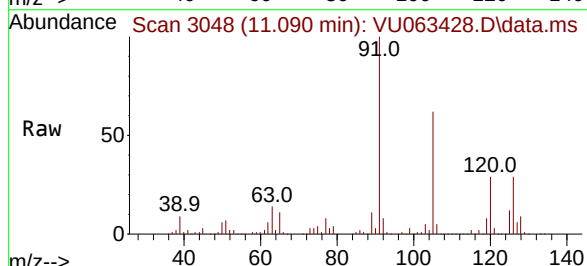
Acq: 23 Jun 2025 17:06

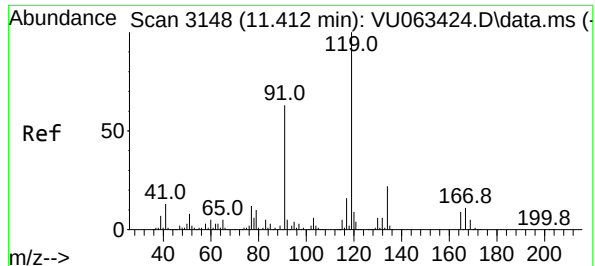
Tgt Ion:126 Resp: 211375

Ion Ratio Lower Upper

126 100

91 356.6 0.0 713.2





#77

tert-Butylbenzene

Concen: 11.997 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion:119 Resp: 643149

Ion Ratio Lower Upper

119 100

91 62.0 30.9 92.7

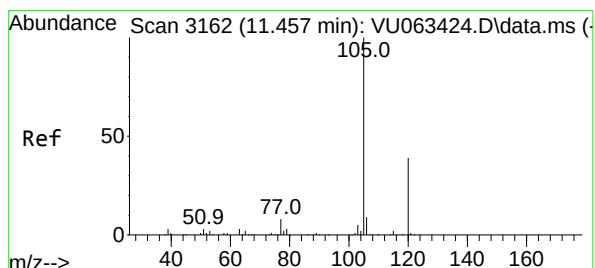
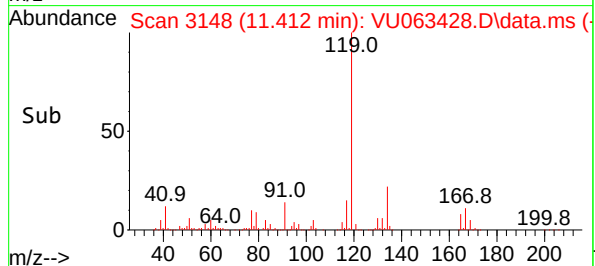
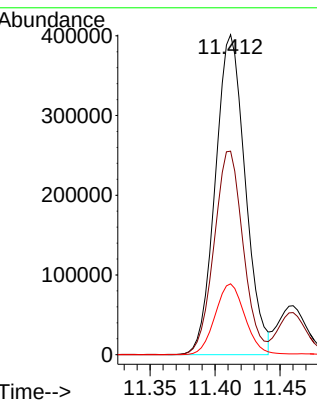
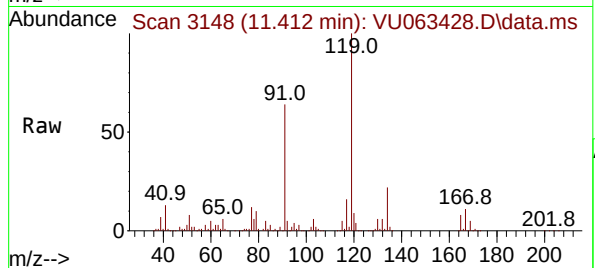
134 22.2 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 10.383 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063428.D

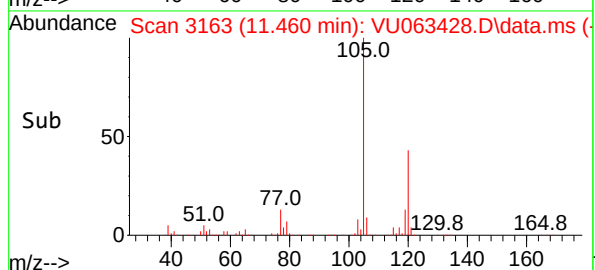
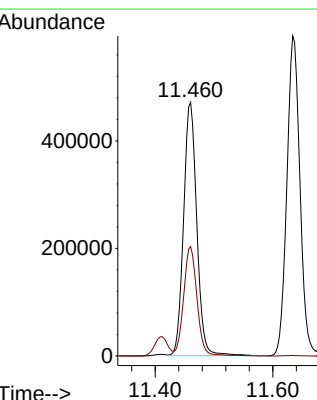
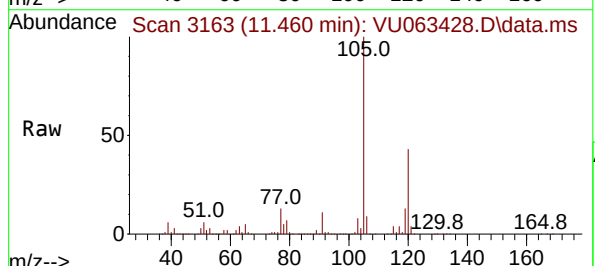
Acq: 23 Jun 2025 17:06

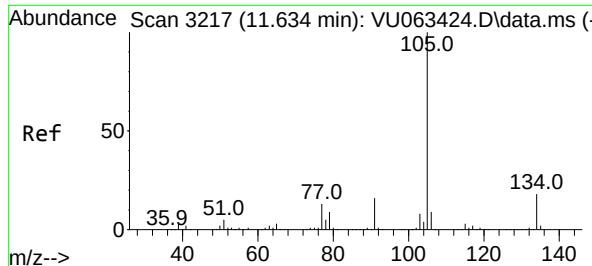
Tgt Ion:105 Resp: 734002

Ion Ratio Lower Upper

105 100

120 43.7 22.1 66.5





#79

sec-Butylbenzene

Concen: 12.220 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion:105 Resp: 92783

Ion Ratio Lower Upper

105 100

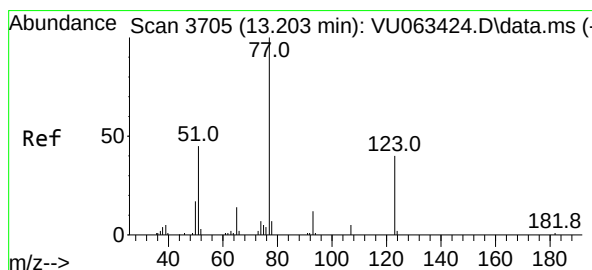
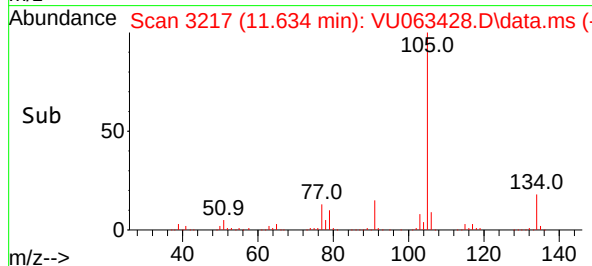
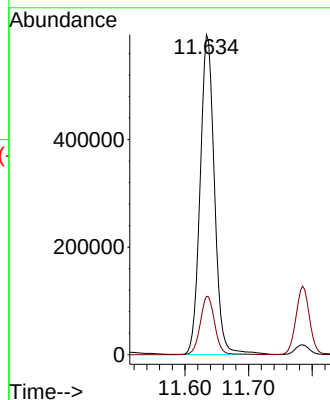
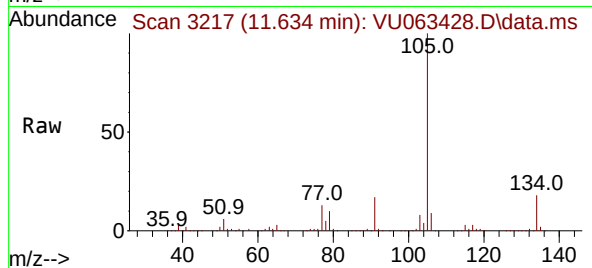
134 18.6 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#80

Nitrobenzene

Concen: 10.734 ug/l m

RT: 13.212 min Scan# 3708

Delta R.T. 0.009 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

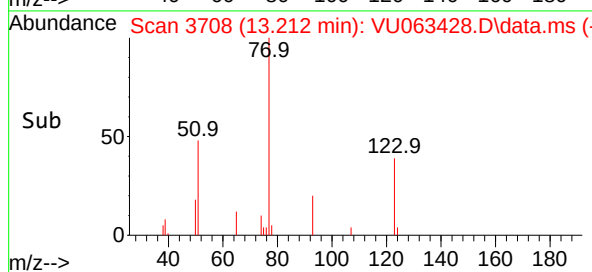
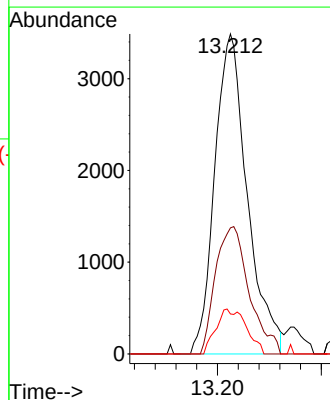
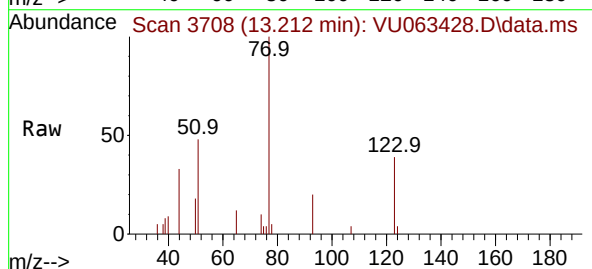
Tgt Ion: 77 Resp: 7576

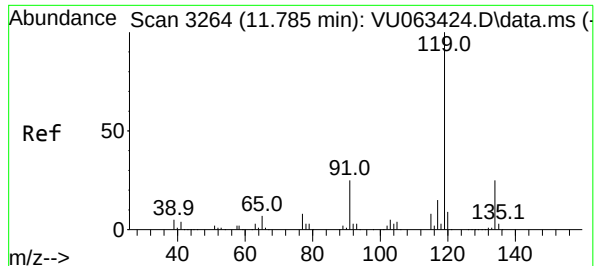
Ion Ratio Lower Upper

77 100

123 41.1 19.6 69.6

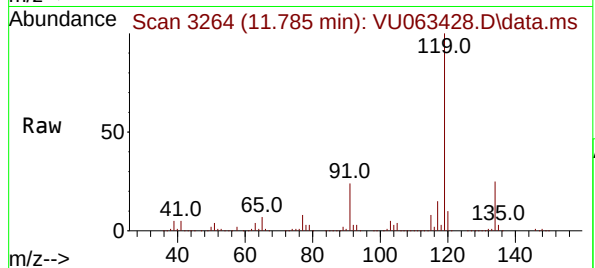
65 13.1 10.6 13.4





#81
p-Isopropyltoluene
Concen: 10.473 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06

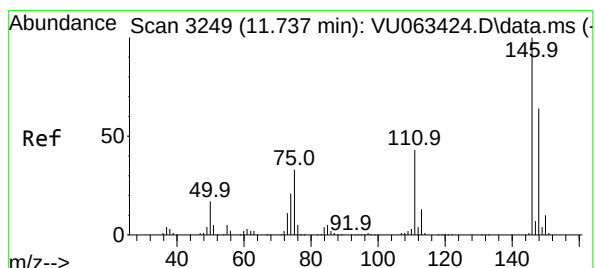
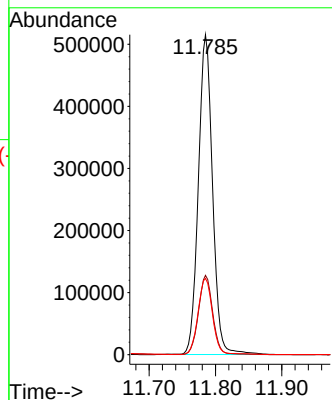
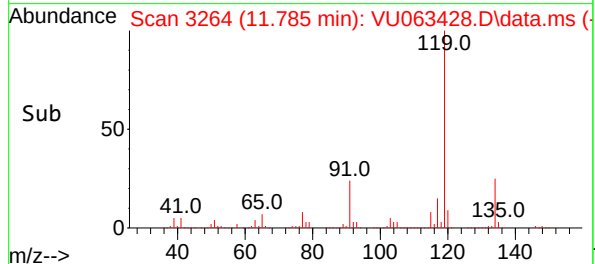
Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325



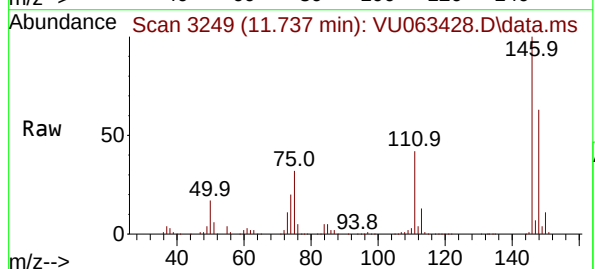
Tgt Ion:119 Resp: 766061
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 24.2 19.7 29.5

Manual Integrations
APPROVED

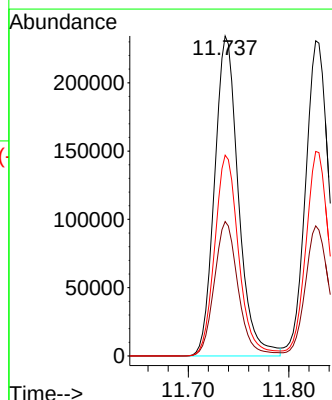
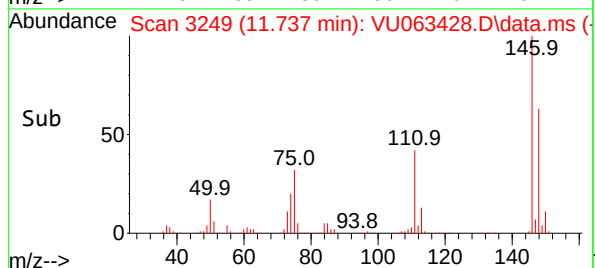
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

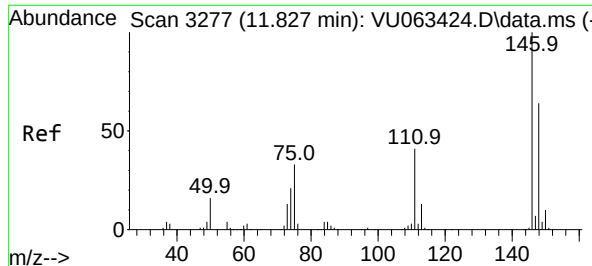


#82
1,3-Dichlorobenzene
Concen: 11.397 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. -0.000 min
Lab File: VU063428.D
Acq: 23 Jun 2025 17:06



Tgt Ion:146 Resp: 386661
Ion Ratio Lower Upper
146 100
111 42.0 34.3 51.5
148 63.3 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 11.345 ug/l

RT: 11.827 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU062325

Tgt Ion:146 Resp: 39935

Ion Ratio Lower Upper

146 100

111 40.8 31.7 47.5

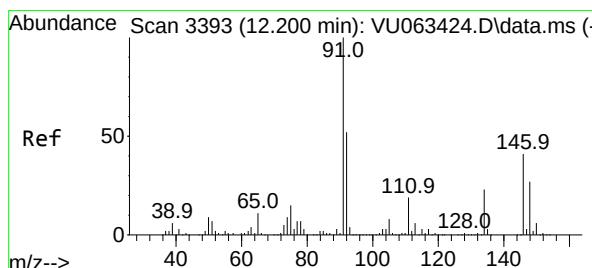
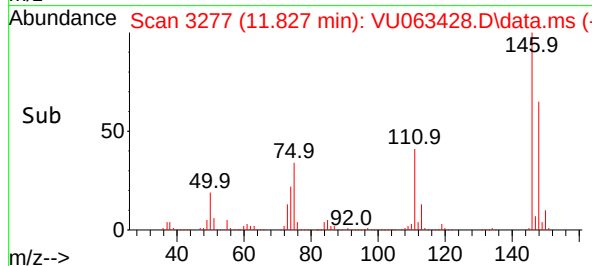
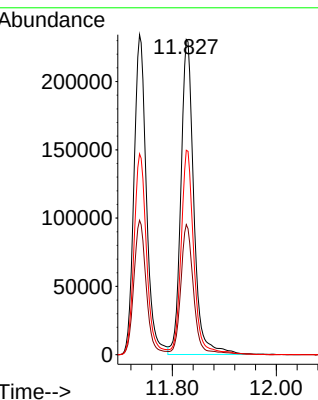
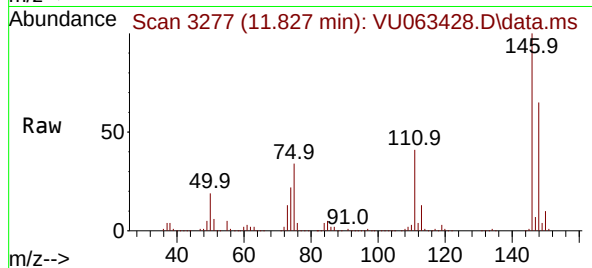
148 64.1 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 12.351 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

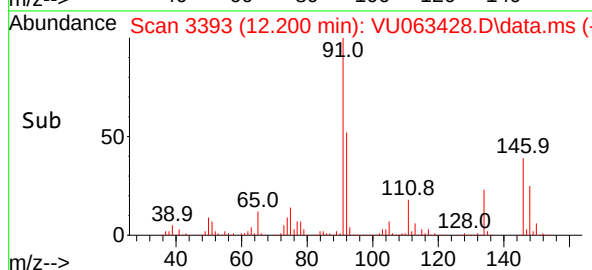
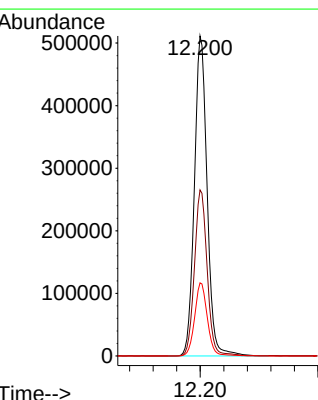
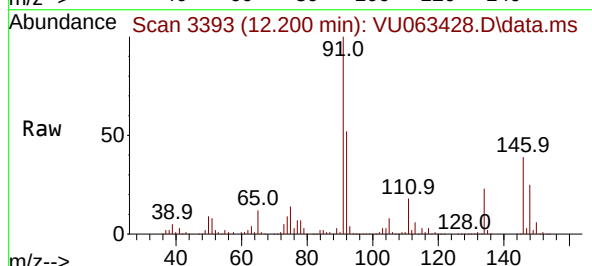
Tgt Ion: 91 Resp: 767664

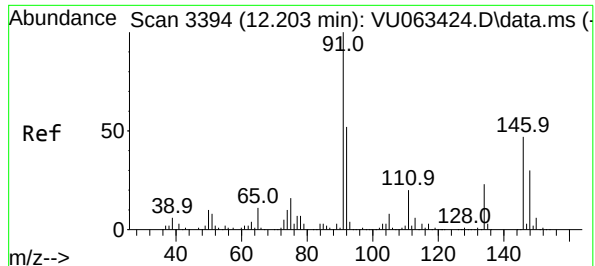
Ion Ratio Lower Upper

91 100

92 52.0 41.0 61.6

134 22.8 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 11.216 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

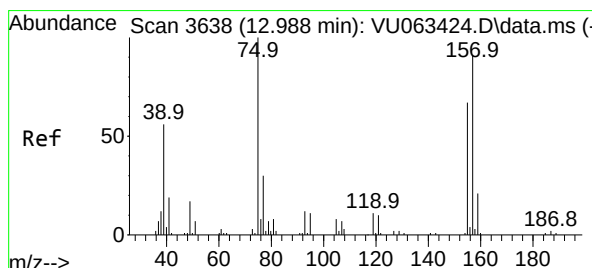
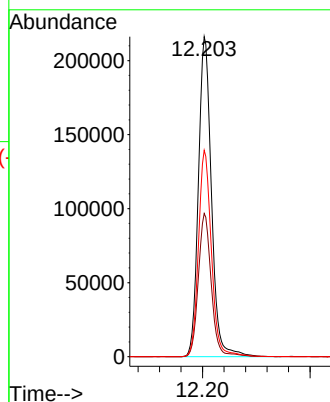
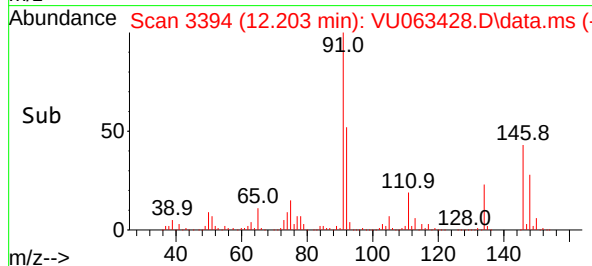
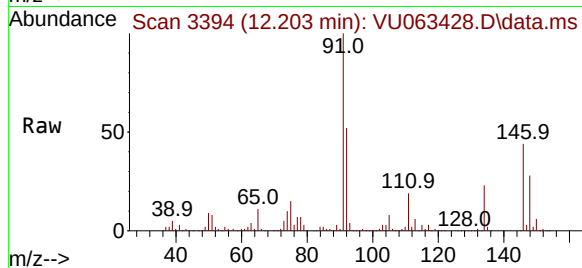
ClientSampleId :

ICVVU062325

Tgt Ion:	146	Resp:	36417
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	64.1	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.426 ug/l

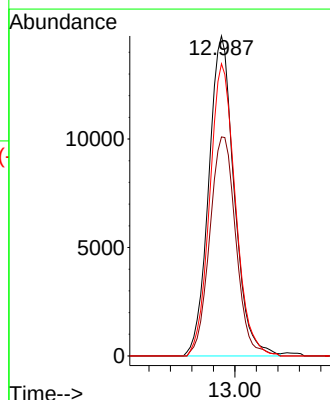
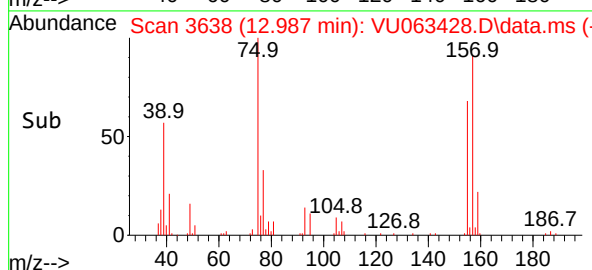
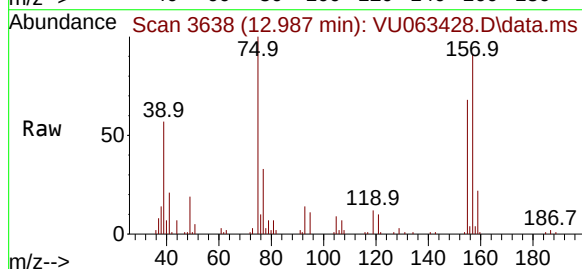
RT: 12.987 min Scan# 3638

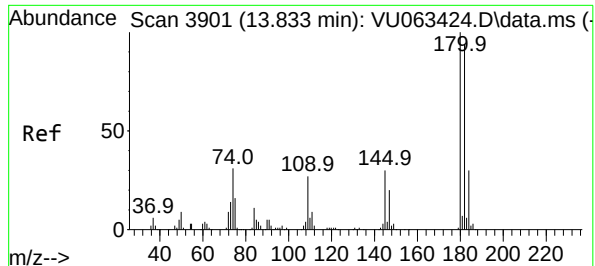
Delta R.T. -0.001 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion:	75	Resp:	24327
Ion	Ratio	Lower	Upper
75	100		
155	69.9	59.7	89.5
157	91.5	75.0	112.4





#87

1,2,4-Trichlorobenzene

Concen: 12.757 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063428.D

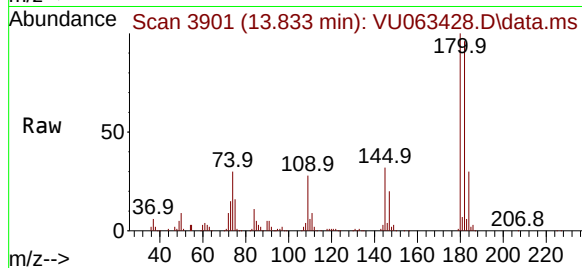
Acq: 23 Jun 2025 17:06

Instrument :

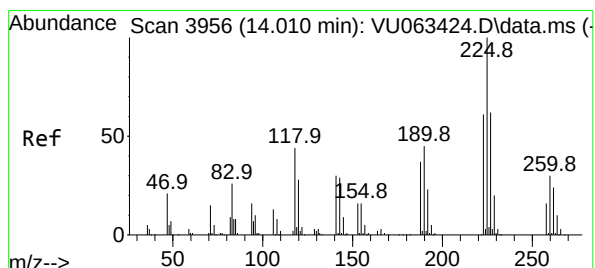
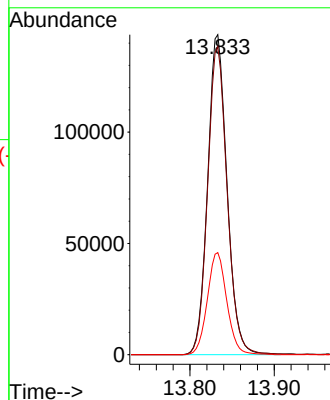
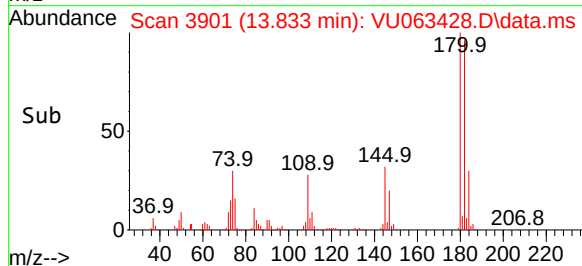
MSVOA_U

ClientSampleId :

ICVVU062325



Tgt Ion:	180	Resp:	230949
Ion Ratio	Lower	Upper	
180	100		
182	96.7	75.6	113.4
145	32.0	24.6	36.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#88

Hexachlorobutadiene

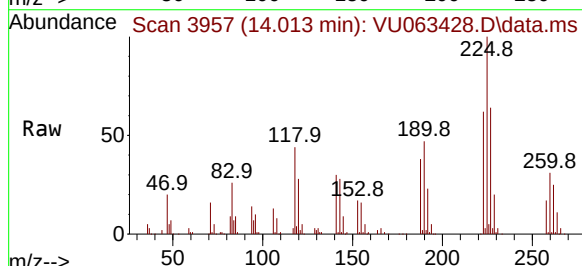
Concen: 10.514 ug/l

RT: 14.013 min Scan# 3957

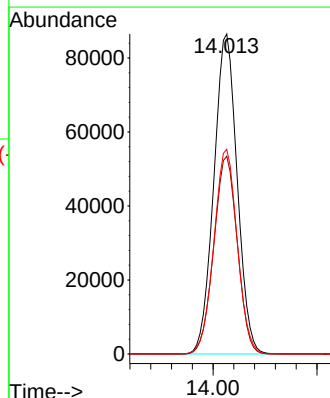
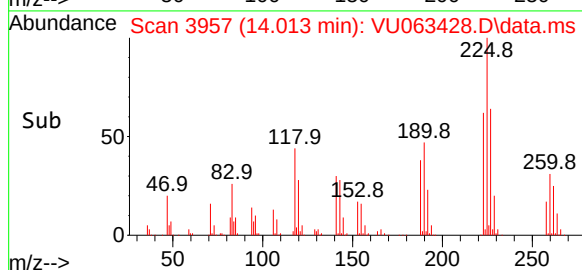
Delta R.T. 0.003 min

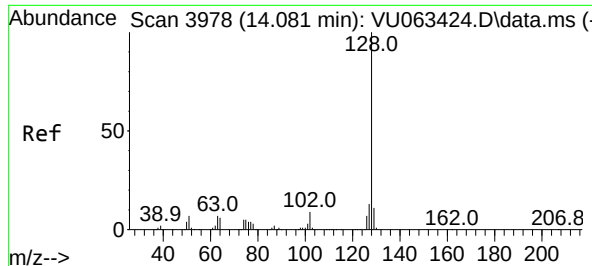
Lab File: VU063428.D

Acq: 23 Jun 2025 17:06



Tgt Ion:	225	Resp:	134947
Ion Ratio	Lower	Upper	
225	100		
223	62.1	50.0	75.0
227	64.1	51.5	77.3





#89

Naphthalene

Concen: 10.410 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

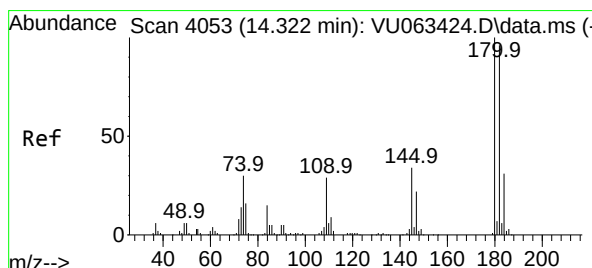
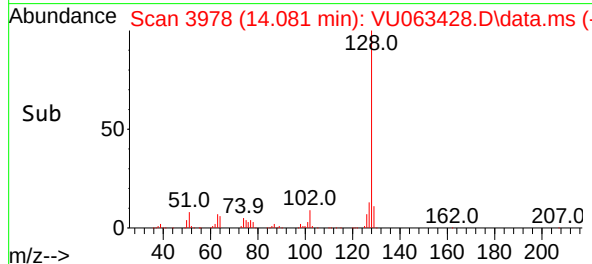
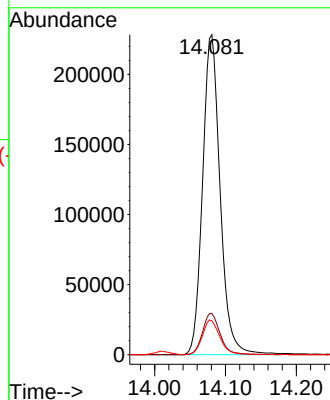
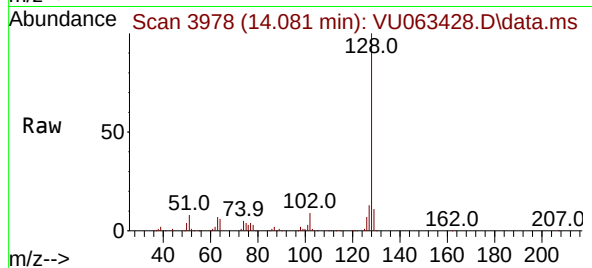
ICVVU062325

Tgt Ion:	128	Resp:	392084
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90

1,2,3-Trichlorobenzene

Concen: 11.438 ug/l

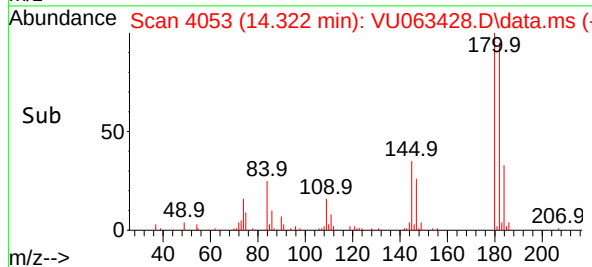
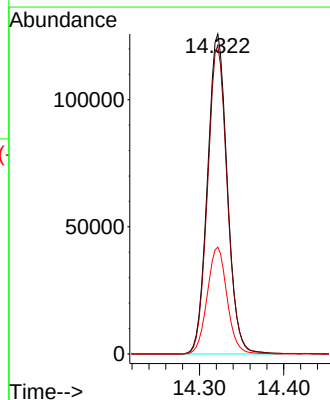
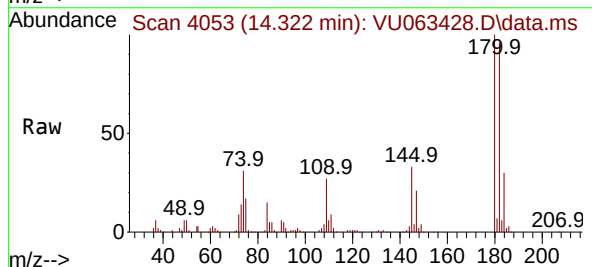
RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU063428.D

Acq: 23 Jun 2025 17:06

Tgt Ion:	180	Resp:	205894
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.7	115.1
145	33.4	27.4	41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU062325

Quant Time: Jun 24 05:15:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	103	0.00
2 T	Dichlorodifluoromethane	0.384	0.258	32.8#	68	0.00
3 t	Chloromethane	0.506	0.400	20.9	85	0.00
4 Rt	Vinyl Chloride	0.433	0.335	22.6	78	0.00
5 T	Bromomethane	0.208	0.168	19.2	87	0.00
6 T	Chloroethane	0.257	0.192	25.3	76	0.00
7 T	Trichlorofluoromethane	0.494	0.428	13.4	88	0.00
8	1,1,2-Trichloro-1,2,2-trifl	0.263	0.248	5.7	96	0.00
9 Rt	1,1-Dichloroethene	0.263	0.262	0.4	101	0.00
10 t	Iodomethane	0.212	0.265	-25.0	111	0.00
11 t	Allyl Chloride	0.468	0.467	0.2	101	0.00
12 t	Acrylonitrile	0.076	0.201	-164.5#	275#	0.00
13 T	Acetone	0.076	0.051	32.9#	75	0.00
14 T	Carbon Disulfide	0.916	0.906	1.1	101	0.00
15 RT	Methylene Chloride	0.333	0.298	10.5	94	0.00
16 RT	trans-1,2-Dichloroethene	0.295	0.303	-2.7	105	0.00
17 t	1,1-Dichloroethane	0.620	0.647	-4.4	106	0.00
18 T	2-Butanone	0.106	0.097	8.5	95	0.00
19	Cyclohexane	0.469	0.510	-8.7	109	0.00
20	Methylcyclohexane	0.436	0.509	-16.7	105	0.00
21 T	2,2-Dichloropropane	0.441	0.443	-0.5	104	0.00
22 RT	cis-1,2-Dichloroethene	0.322	0.350	-8.7	113	0.00
23 t	Diethyl Ether	0.237	0.195	17.7	82	0.00
24 t	tert-Butyl Alcohol	0.025	0.011	56.0#	45	0.00
25 t	Methyl tert-Butyl Ether	0.714	0.768	-7.6	107	0.00
26 t	Bromochloromethane	0.126	0.131	-4.0	106	0.00
27 t	Chloroform	0.582	0.618	-6.2	109	0.00
28 RT	1,1,1-Trichloroethane	0.472	0.500	-5.9	104	0.00
29 T	1,1-Dichloropropene	0.431	0.431	0.0	99	0.00
30 RT	Carbon Tetrachloride	0.377	0.407	-8.0	105	0.00
31 t	Isopropyl Ether	0.969	1.036	-6.9	107	0.00
32	Ethyl-t-butyl ether	0.821	0.000	100.0#	0#	-4.50#
33	Tert-Amyl methyl ether	0.588	0.000	100.0#	0#	-5.94#
34 t	Propionitrile	0.031	0.062	-100.0#	220#	0.00
35 RT	Benzene	1.303	1.405	-7.8	105	0.00
36 RT	1,2-Dichloroethane	0.381	0.370	2.9	96	0.00
37 RT	Trichloroethene	0.308	0.306	0.6	98	0.00
38 Rt	1,2-Dichloropropane	0.360	0.374	-3.9	100	0.00
39 t	Methacrylonitrile	0.127	0.107	15.7	86	0.00
40 t	Methyl acrylate	0.179	0.193	-7.8	98	0.00
41 t	Tetrahydrofuran	0.069	0.146	-111.6#	230#	0.00
42 t	1-Chlorobutane	0.611	0.636	-4.1	103	0.00
43 T	Dibromomethane	0.168	0.174	-3.6	103	0.00
44 T	Bromodichloromethane	0.410	0.442	-7.8	108	0.00
45 T	4-Methyl-2-Pentanone	0.180	0.199	-10.6	100	0.00
46 t	t-1,4-Dichloro-2-butene	0.059	0.033	44.1#	59	0.00
47 t	Methyl methacrylate	0.130	0.075	42.3#	48	0.00
48 t	Ethyl methacrylate	0.233	0.285	-22.3	103	0.00
49 Rt	Toluene	0.715	0.844	-18.0	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U062325\
 Data File : U063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU062325

Quant Time: Jun 24 05:15:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	0.295	0.350	-18.6	106	0.00
51 T	cis-1,3-Dichloropropene	0.397	0.448	-12.8	103	0.00
52 RT	1,1,2-Trichloroethane	0.246	0.243	1.2	98	0.00
53 t	1,3-Dichloropropane	0.423	0.430	-1.7	99	0.00
54 t	2-Hexanone	0.121	0.132	-9.1	98	0.00
55 t	Dibromochloromethane	0.254	0.279	-9.8	106	0.00
56 T	1,2-Dibromoethane	0.199	0.202	-1.5	102	0.00
57 S	4-Bromofluorobenzene	0.367	0.402	-9.5	98	0.00
58 RT	Tetrachloroethene	0.302	0.317	-5.0	101	0.00
59 Rt	Chlorobenzene	0.766	0.874	-14.1	108	0.00
60 T	1,1,1,2-Tetrachloroethane	0.276	0.275	0.4	98	0.00
61 t	Pentachloroethane	0.225	0.235	-4.4	107	0.00
62 t	Hexachloroethane	0.202	0.219	-8.4	106	0.00
63 Rt	Ethyl Benzene	1.228	1.524	-24.1	108	0.00
64 RT	m/p-Xylenes	0.479	0.618	-29.0	109	0.00
65 RT	o-Xylene	0.466	0.571	-22.5	108	0.00
66 RT	Styrene	0.759	0.972	-28.1	107	0.00
67 t	Bromoform	0.139	0.148	-6.5	103	0.00
68 S	1,2-Dichlorobenzene-d4	0.369	0.358	3.0	93	0.00
69 T	Isopropylbenzene	1.081	1.512	-39.9#	122	0.00
70 T	1,1,2,2-Tetrachloroethane	0.314	0.304	3.2	97	0.00
71 T	1,2,3-Trichloropropane	0.257	0.218	15.2	95	0.00
72 t	Bromobenzene	0.303	0.340	-12.2	105	0.00
73 t	n-propylbenzene	0.328	0.409	-24.7	108	0.00
74 t	2-Chlorotoluene	0.300	0.358	-19.3	107	0.00
75 t	1,3,5-Trimethylbenzene	1.051	1.365	-29.9	108	0.00
76 t	4-Chlorotoluene	0.314	0.392	-24.8	113	0.00
77 t	tert-Butylbenzene	0.993	1.191	-19.9	106	0.00
78 t	1,2,4-Trimethylbenzene	1.058	1.359	-28.4	107	0.00
79 t	sec-Butylbenzene	1.406	1.718	-22.2	107	0.00
80	Nitrobenzene	0.014	0.003	78.6#	21	0.00
81 t	p-Isopropyltoluene	1.099	1.419	-29.1	108	0.00
82 t	1,3-Dichlorobenzene	0.628	0.716	-14.0	109	0.00
83 Rt	1,4-Dichlorobenzene	0.652	0.740	-13.5	109	0.00
84 t	n-Butylbenzene	1.151	1.422	-23.5	108	0.00
85 Rt	1,2-Dichlorobenzene	0.601	0.675	-12.3	106	0.00
86 t	1,2-Dibromo-3-Chloropropane	0.043	0.045	-4.7	97	0.00
87 Rt	1,2,4-Trichlorobenzene	0.335	0.428	-27.8	118	0.00
88 t	Hexachlorobutadiene	0.238	0.250	-5.0	102	0.00
89 t	Naphthalene	0.558	0.726	-30.1#	112	0.00
90 t	1,2,3-Trichlorobenzene	0.333	0.381	-14.4	105	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
Data File : VU063428.D
Acq On : 23 Jun 2025 17:06
Operator : MD/SY
Sample : VSTDICV010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU062325

Quant Time: Jun 24 05:15:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	103	0.00
2 T	Dichlorodifluoromethane	10.000	6.715	32.9#	68	0.00
3 t	Chloromethane	10.000	7.901	21.0	85	0.00
4 Rt	Vinyl Chloride	10.000	7.739	22.6	78	0.00
5 T	Bromomethane	10.000	8.107	18.9	87	0.00
6 T	Chloroethane	10.000	7.500	25.0	76	0.00
7 T	Trichlorofluoromethane	10.000	8.663	13.4	88	0.00
8	1,1,2-Trichloro-1,2,2-trifl	10.000	9.419	5.8	96	0.00
9 Rt	1,1-Dichloroethene	10.000	9.980	0.2	101	0.00
10 t	Iodomethane	10.000	12.484	-24.8	111	0.00
11 t	Allyl Chloride	10.000	9.992	0.1	101	0.00
12 t	Acrylonitrile	20.000	53.073	-165.4#	275	0.00
13 T	Acetone	50.000	36.130	27.7	75	0.00
14 T	Carbon Disulfide	10.000	9.898	1.0	101	0.00
15 RT	Methylene Chloride	10.000	8.959	10.4	94	0.00
16 RT	trans-1,2-Dichloroethene	10.000	10.251	-2.5	105	0.00
17 t	1,1-Dichloroethane	10.000	10.430	-4.3	106	0.00
18 T	2-Butanone	50.000	46.022	8.0	95	0.00
19	Cyclohexane	10.000	10.860	-8.6	109	0.00
20	Methylcyclohexane	10.000	11.686	-16.9	105	0.00
21 T	2,2-Dichloropropane	10.000	10.051	-0.5	104	0.00
22 RT	cis-1,2-Dichloroethene	10.000	10.853	-8.5	113	0.00
23 t	Diethyl Ether	10.000	8.222	17.8	82	0.00
24 t	tert-Butyl Alcohol	100.000	45.896	54.1#	45	0.00
25 t	Methyl tert-Butyl Ether	10.000	10.755	-7.6	107	0.00
26 t	Bromochloromethane	10.000	10.416	-4.2	106	0.00
27 t	Chloroform	10.000	10.619	-6.2	109	0.00
28 RT	1,1,1-Trichloroethane	10.000	10.602	-6.0	104	0.00
29 T	1,1-Dichloropropene	10.000	10.004	-0.0	99	0.00
30 RT	Carbon Tetrachloride	10.000	10.815	-8.1	105	0.00
31 t	Isopropyl Ether	10.000	10.692	-6.9	107	0.00
32	Ethyl-t-butyl ether	10.000	0.000	100.0#	0	-4.50#
33	Tert-Amyl methyl ether	10.000	0.000	100.0#	0	-5.94#
34 t	Propionitrile	50.000	101.506	-103.0#	220	0.00
35 RT	Benzene	10.000	10.784	-7.8	105	0.00
36 RT	1,2-Dichloroethane	10.000	9.701	3.0	96	0.00
37 RT	Trichloroethene	10.000	9.923	0.8	98	0.00
38 Rt	1,2-Dichloropropane	10.000	10.383	-3.8	100	0.00
39 t	Methacrylonitrile	10.000	8.371	16.3	86	0.00
40 t	Methyl acrylate	10.000	10.805	-8.0	98	0.00
41 t	Tetrahydrofuran	20.000	42.681	-113.4#	230	0.00
42 t	1-Chlorobutane	10.000	10.403	-4.0	103	0.00
43 T	Dibromomethane	10.000	10.351	-3.5	103	0.00
44 T	Bromodichloromethane	10.000	10.803	-8.0	108	0.00
45 T	4-Methyl-2-Pentanone	50.000	55.253	-10.5	100	0.00
46 t	t-1,4-Dichloro-2-butene	20.000	11.012	44.9#	59	0.00
47 t	Methyl methacrylate	20.000	9.804	51.0#	48	0.00
48 t	Ethyl methacrylate	10.000	10.000	0.0	103	0.00
49 Rt	Toluene	10.000	11.797	-18.0	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU062325

Quant Time: Jun 24 05:15:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	10.000	11.863	-18.6	106	0.00
51 T	cis-1,3-Dichloropropene	10.000	11.290	-12.9	103	0.00
52 RT	1,1,2-Trichloroethane	10.000	9.874	1.3	98	0.00
53 t	1,3-Dichloropropane	10.000	10.175	-1.8	99	0.00
54 t	2-Hexanone	50.000	47.244	5.5	98	0.00
55 t	Dibromochloromethane	10.000	11.013	-10.1	106	0.00
56 T	1,2-Dibromoethane	10.000	10.159	-1.6	102	0.00
57 S	4-Bromofluorobenzene	1.000	1.095	-9.5	98	0.00
58 RT	Tetrachloroethene	10.000	10.482	-4.8	101	0.00
59 Rt	Chlorobenzene	10.000	11.414	-14.1	108	0.00
60 T	1,1,1,2-Tetrachloroethane	10.000	9.976	0.2	98	0.00
61 t	Pentachloroethane	10.000	10.467	-4.7	107	0.00
62 t	Hexachloroethane	10.000	10.828	-8.3	106	0.00
63 Rt	Ethyl Benzene	10.000	12.408	-24.1	108	0.00
64 RT	m/p-Xylenes	20.000	21.238	-6.2	109	0.00
65 RT	o-Xylene	10.000	12.240	-22.4	108	0.00
66 RT	Styrene	10.000	10.412	-4.1	107	0.00
67 t	Bromoform	10.000	10.701	-7.0	103	0.00
68 S	1,2-Dichlorobenzene-d4	1.000	0.972	2.8	93	0.00
69 T	Isopropylbenzene	10.000	13.991	-39.9#	122	0.00
70 T	1,1,2,2-Tetrachloroethane	10.000	9.680	3.2	97	0.00
71 T	1,2,3-Trichloropropane	10.000	8.495	15.1	95	0.00
72 t	Bromobenzene	10.000	11.207	-12.1	105	0.00
73 t	n-propylbenzene	10.000	10.430	-4.3	108	0.00
74 t	2-Chlorotoluene	10.000	11.949	-19.5	107	0.00
75 t	1,3,5-Trimethylbenzene	10.000	10.587	-5.9	108	0.00
76 t	4-Chlorotoluene	10.000	12.465	-24.6	113	0.00
77 t	tert-Butylbenzene	10.000	11.997	-20.0	106	0.00
78 t	1,2,4-Trimethylbenzene	10.000	10.383	-3.8	107	0.00
79 t	sec-Butylbenzene	10.000	12.220	-22.2	107	0.00
80	Nitrobenzene	50.000	10.734	78.5#	21	0.00
81 t	p-Isopropyltoluene	10.000	10.473	-4.7	108	0.00
82 t	1,3-Dichlorobenzene	10.000	11.397	-14.0	109	0.00
83 Rt	1,4-Dichlorobenzene	10.000	11.345	-13.5	109	0.00
84 t	n-Butylbenzene	10.000	12.351	-23.5	108	0.00
85 Rt	1,2-Dichlorobenzene	10.000	11.216	-12.2	106	0.00
86 t	1,2-Dibromo-3-Chloropropane	10.000	10.426	-4.3	97	0.00
87 Rt	1,2,4-Trichlorobenzene	10.000	12.757	-27.6	118	0.00
88 t	Hexachlorobutadiene	10.000	10.514	-5.1	102	0.00
89 t	Naphthalene	10.000	10.410	-4.1	112	0.00
90 t	1,2,3-Trichlorobenzene	10.000	11.438	-14.4	105	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377
 Instrument ID: MSVOA_U Calibration Date/Time: 06/24/2025 10:17
 Lab File ID: VU063430.D Init. Calib. Date(s): 06/23/2025 06/23/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:34 14:36
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.433	0.334		-22.86	30
1,1-Dichloroethene	0.263	0.210		-20.15	30
1,1-Dichloroethane	0.620	0.590		-4.84	30
cis-1,2-Dichloroethene	0.322	0.302		-6.21	30
Benzene	1.303	1.270		-2.53	30
1,2-Dichloroethane	0.381	0.350		-8.14	30
Trichloroethene	0.308	0.291		-5.52	30
1,1,2-Trichloroethane	0.246	0.231		-6.1	30
Tetrachloroethene	0.302	0.289		-4.3	30
1,1,1,2-Tetrachloroethane	0.276	0.266		-3.62	30
1,2-Dichlorobenzene-d4	0.369	0.351		-4.88	30
4-Bromofluorobenzene	0.367	0.409		11.44	30

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_U\Data\VU062425\
 Data File : VU063430.D
 Acq On : 24 Jun 2025 10:17
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:21:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	56764	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	23234	1.115	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	19905	0.951	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	196843	9.029	ug/l	99
3) Chloromethane	1.518	50	216619	7.542	ug/l	99
4) Vinyl Chloride	1.599	62	189526	7.706	ug/l	99
5) Bromomethane	1.843	94	94774	8.043	ug/l	99
6) Chloroethane	1.923	64	99352	6.821	ug/l	100
7) Trichlorofluoromethane	2.126	101	226702	8.083	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	118407	7.926	ug/l	95
9) 1,1-Dichloroethene	2.567	96	119106	7.991	ug/l	89
10) Iodomethane	2.708	142	136269	11.326	ug/l	99
11) Allyl Chloride	2.907	41	170939	6.438	ug/l	97
12) Acrylonitrile	3.306	53	66818m	15.516	ug/l	
13) Acetone	2.618	43	100195	26.365	ug/l	99
14) Carbon Disulfide	2.776	76	386403	7.434	ug/l	99
15) Methylene Chloride	3.026	84	144028	7.623	ug/l	91
16) trans-1,2-Dichloroethene	3.332	96	146466	8.734	ug/l	95
17) 1,1-Dichloroethane	3.846	63	335141	9.517	ug/l	99
18) 2-Butanone	4.714	43	250590	41.697	ug/l	100
19) Cyclohexane	5.357	56	266502	10.004	ug/l	97
20) Methylcyclohexane	6.746	83	244050	9.867	ug/l	98
21) 2,2-Dichloropropane	4.644	77	231389	9.245	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	171507	9.369	ug/l	98
23) Diethyl Ether	2.370	59	89142	6.628	ug/l	90
24) tert-Butyl Alcohol	3.197	59	110214	77.795	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	353404	8.718	ug/l	97
26) Bromochloromethane	4.952	128	65786	9.233	ug/l	99
27) Chloroform	5.071	83	305259	9.247	ug/l	100
28) 1,1,1-Trichloroethane	5.293	97	254762	9.518	ug/l	99
29) 1,1-Dichloropropene	5.502	75	236262	9.662	ug/l	99
30) Carbon Tetrachloride	5.499	117	207617	9.711	ug/l	100
31) Isopropyl Ether	3.991	45	519904	9.451	ug/l	98
32) Ethyl-t-butyl ether	4.505	59	439624	9.429	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	336962	10.096	ug/l	99
34) Propionitrile	4.775	54	77852	44.782	ug/l	98
35) Benzene	5.756	78	721089	9.749	ug/l	100
36) 1,2-Dichloroethane	5.782	62	198400	9.175	ug/l	100
37) Trichloroethene	6.528	130	165362	9.460	ug/l	98
38) 1,2-Dichloropropane	6.782	63	203167	9.945	ug/l	99
39) Methacrylonitrile	4.972	41	63129	8.729	ug/l	99
40) Methyl acrylate	4.846	55	90078	8.870	ug/l	99
41) Tetrahydrofuran	5.062	42	67163	17.261	ug/l	98
42) 1-Chlorobutane	5.438	56	338259	9.751	ug/l	95
43) Dibromomethane	6.907	93	91375	9.575	ug/l	97
44) Bromodichloromethane	7.097	83	220512	9.486	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063430.D
 Acq On : 24 Jun 2025 10:17
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:21:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	505735	49.367	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	53307m	15.831	ug/l	
47) Methyl methacrylate	6.965	69	161083	17.827	ug/l	98
48) Ethyl methacrylate	8.332	69	146595	9.196	ug/l	97
49) Toluene	7.962	92	429525	10.577	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	185549	11.068	ug/l	97
51) cis-1,3-Dichloropropene	7.598	75	238113	10.575	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	131046	9.393	ug/l	99
53) 1,3-Dichloropropane	8.569	76	231907	9.662	ug/l	100
54) 2-Hexanone	8.685	43	330410	42.285	ug/l	99
55) Dibromochloromethane	8.801	129	142014	9.867	ug/l	100
56) 1,2-Dibromoethane	8.917	107	106773	9.441	ug/l	99
58) Tetrachloroethene	8.544	164	163986	9.563	ug/l	99
59) Chlorobenzene	9.441	112	432893	9.957	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	150840	9.639	ug/l	99
61) Pentachloroethane	11.418	117	121750	9.550	ug/l	100
62) Hexachloroethane	12.463	117	114219	9.962	ug/l	98
63) Ethyl Benzene	9.563	91	767501	11.012	ug/l	100
64) m/p-Xylenes	9.685	106	619333	18.844	ug/l	98
65) o-Xylene	10.090	106	284030	10.727	ug/l	99
66) Styrene	10.106	104	494730	9.374	ug/l	100
67) Bromoform	10.283	173	75183	9.560	ug/l	98
69) Isopropylbenzene	10.476	105	666943	10.872	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	165534	9.276	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	141111m	9.682	ug/l	
72) Bromobenzene	10.775	156	171866	9.981	ug/l	86
73) n-propylbenzene	10.897	120	204149	9.209	ug/l	100
74) 2-Chlorotoluene	10.978	126	181600	10.669	ug/l	99
75) 1,3,5-Trimethylbenzene	11.077	105	683249	9.381	ug/l	100
76) 4-Chlorotoluene	11.090	126	190767	10.700	ug/l	99
77) tert-Butylbenzene	11.412	119	607798	10.784	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	699732	9.453	ug/l	98
79) sec-Butylbenzene	11.634	105	874646	10.957	ug/l	99
80) Nitrobenzene	13.203	77	33056	39.666	ug/l	98
81) p-Isopropyltoluene	11.785	119	713454	9.324	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	352597	9.885	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	368611	9.960	ug/l	98
84) n-Butylbenzene	12.200	91	701045	10.729	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	335577	9.830	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	24241	9.881	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	183096	9.620	ug/l	99
88) Hexachlorobutadiene	14.010	225	129279	9.580	ug/l	99
89) Naphthalene	14.081	128	298147	7.773	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	182064	9.620	ug/l	99

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

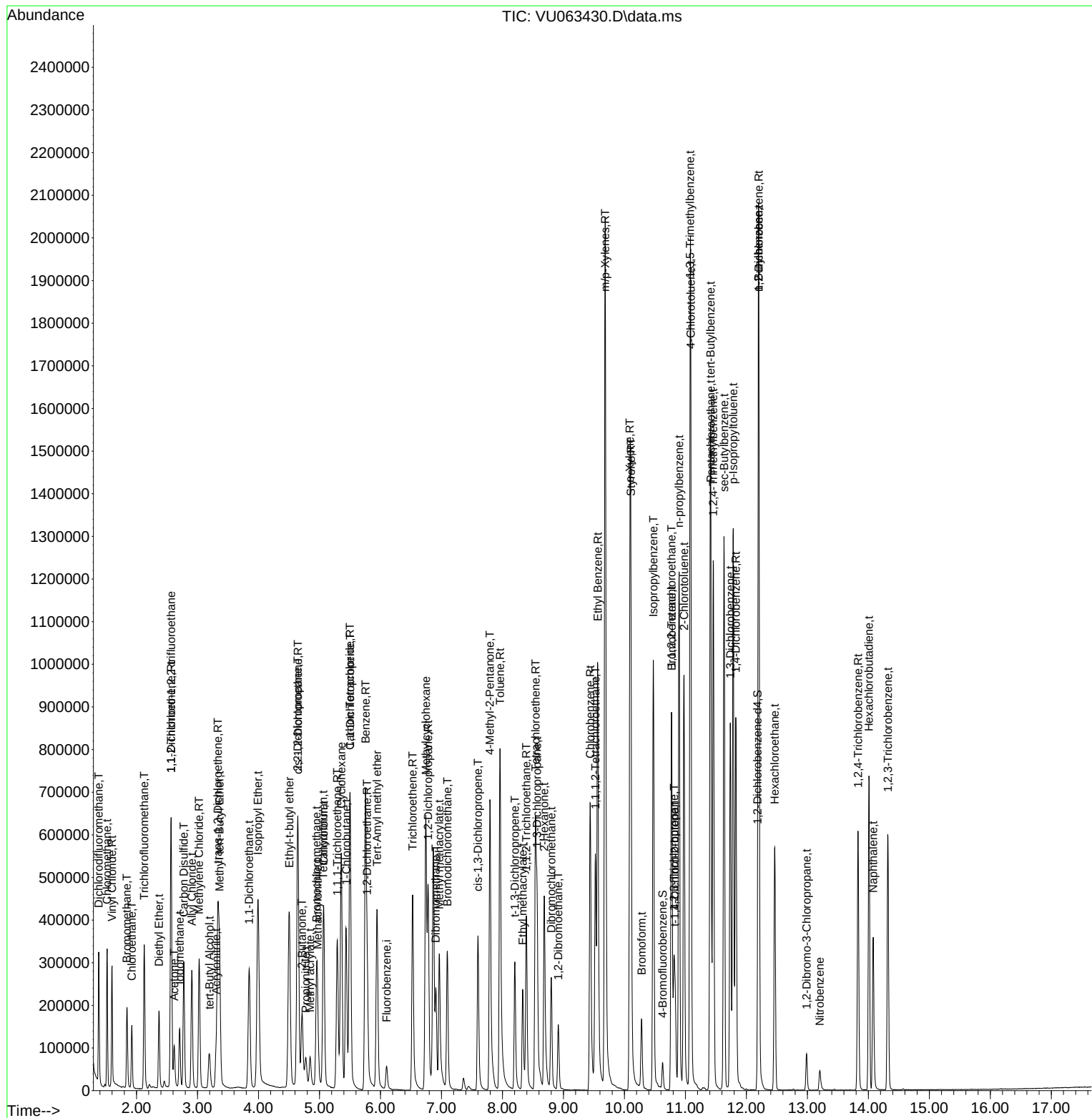
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 Data File : VU063430.D
 Acq On : 24 Jun 2025 10:17
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

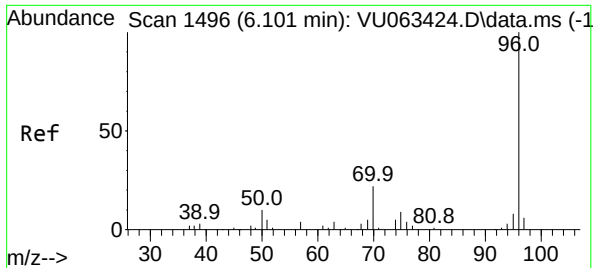
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 06/25/2025
 Supervised By : Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:21:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration





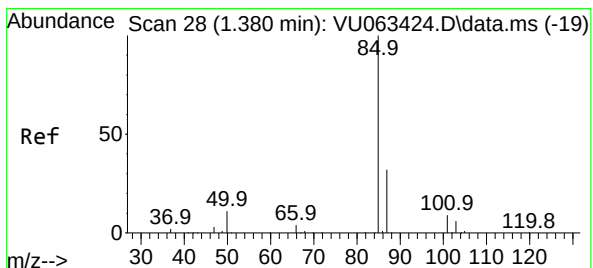
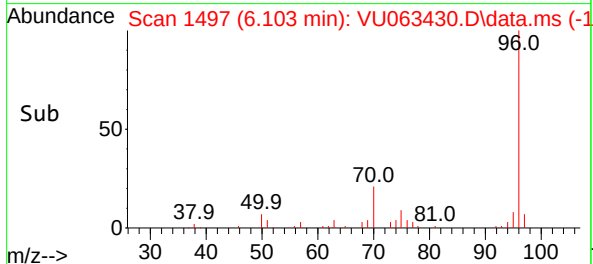
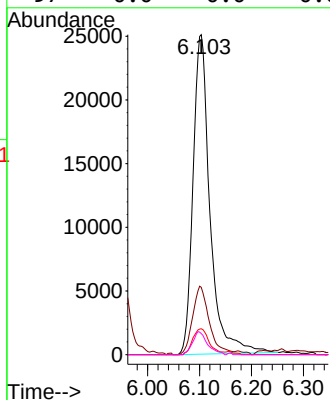
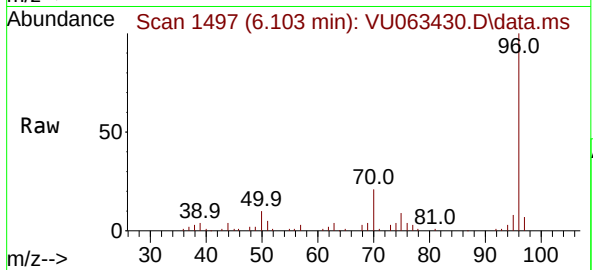
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 96 Resp: 56764
Ion Ratio Lower Upper
96 100
70 19.8 16.4 24.6
95 7.1 6.2 9.2
97 0.0 0.0 0.0

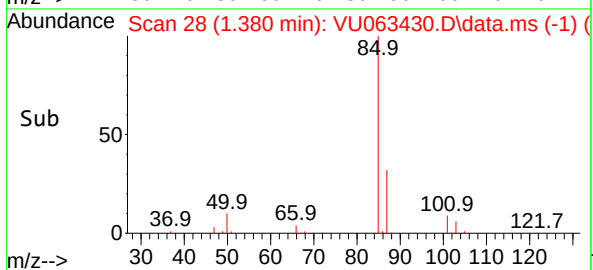
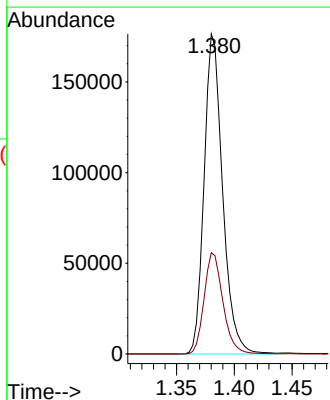
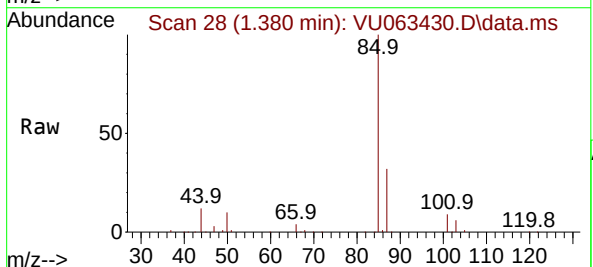
Manual Integrations
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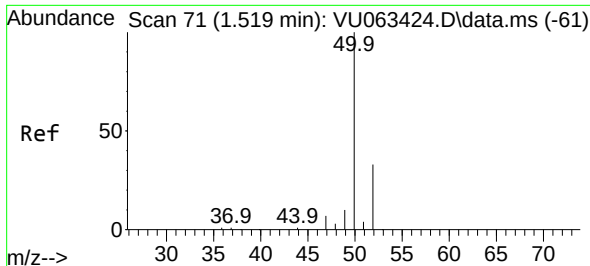
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 9.029 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 85 Resp: 196843
Ion Ratio Lower Upper
85 100
87 31.7 16.2 48.5





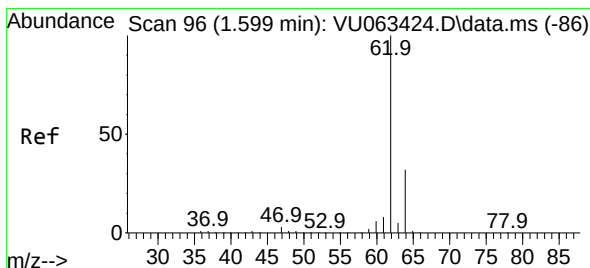
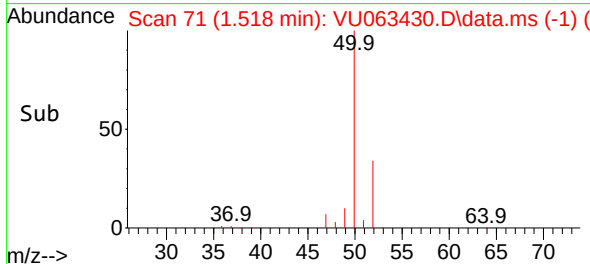
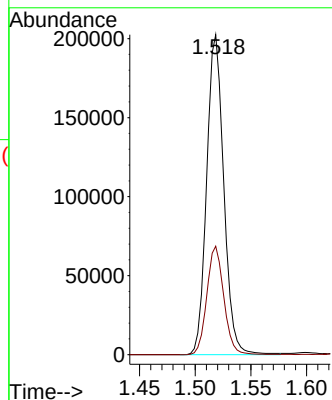
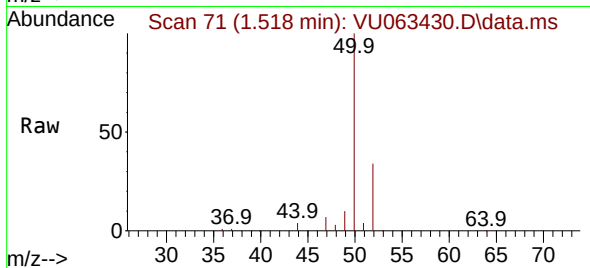
#3
Chloromethane
Concen: 7.542 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 50 Resp: 216619
Ion Ratio Lower Upper
50 100
52 33.9 26.6 40.0

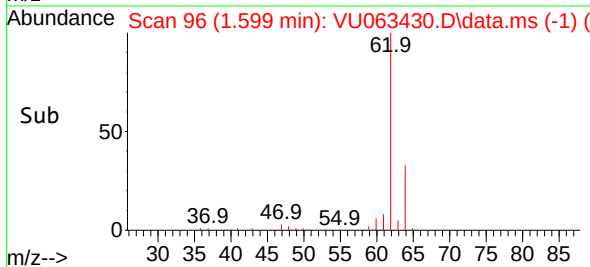
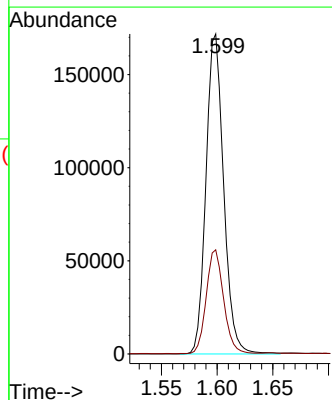
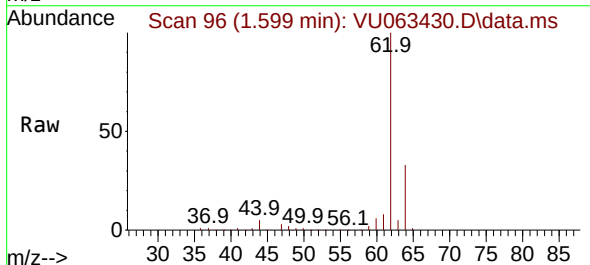
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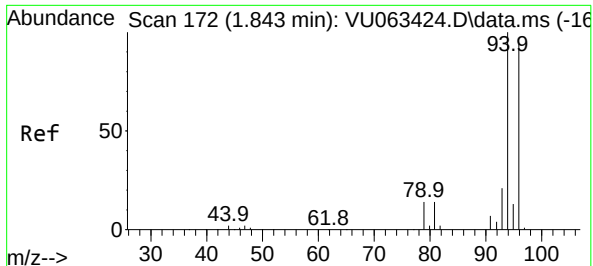
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 7.706 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

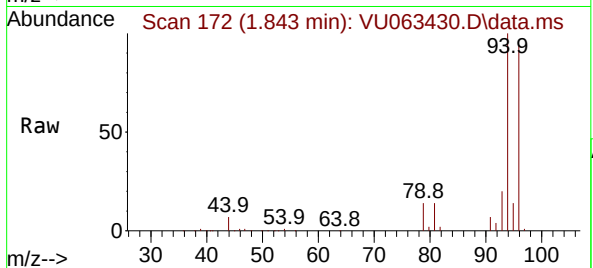
Tgt Ion: 62 Resp: 189526
Ion Ratio Lower Upper
62 100
64 32.4 25.7 38.5





#5
Bromomethane
Concen: 8.043 ug/l
RT: 1.843 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

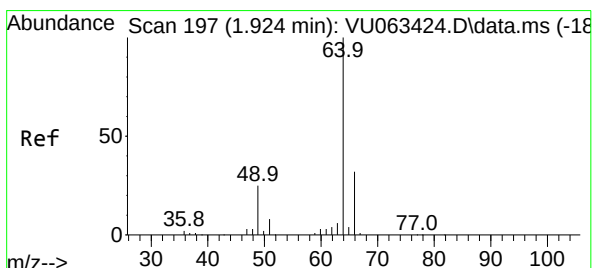
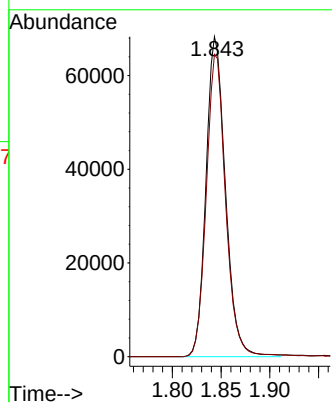
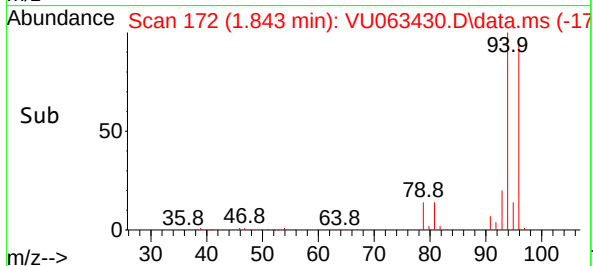
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



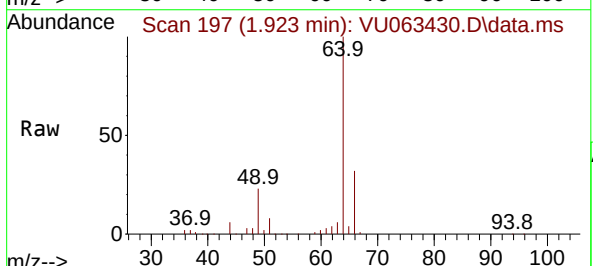
Tgt Ion: 94 Resp: 94774
Ion Ratio Lower Upper
94 100
96 94.4 74.8 112.2

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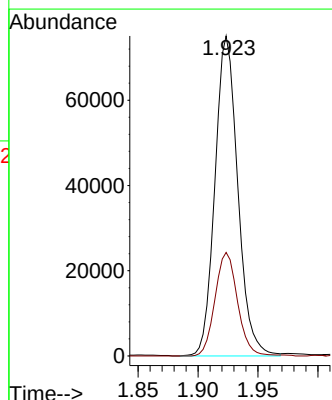
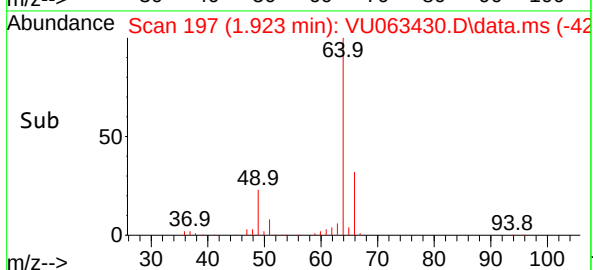
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

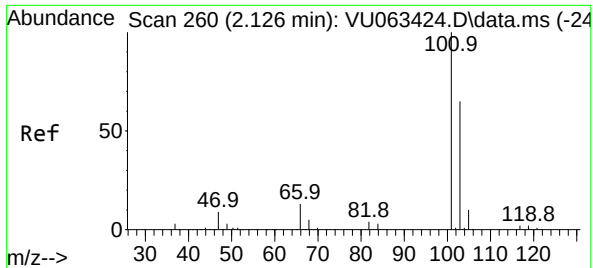


#6
Chloroethane
Concen: 6.821 ug/l
RT: 1.923 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17



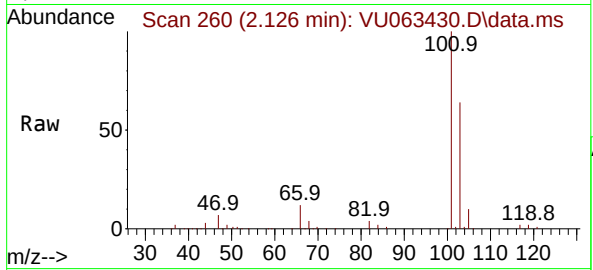
Tgt Ion: 64 Resp: 99352
Ion Ratio Lower Upper
64 100
66 32.3 25.7 38.5





#7
Trichlorofluoromethane
Concen: 8.083 ug/l
RT: 2.126 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

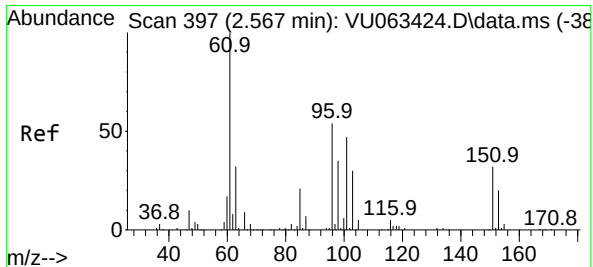
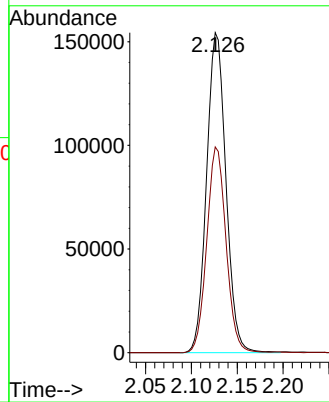
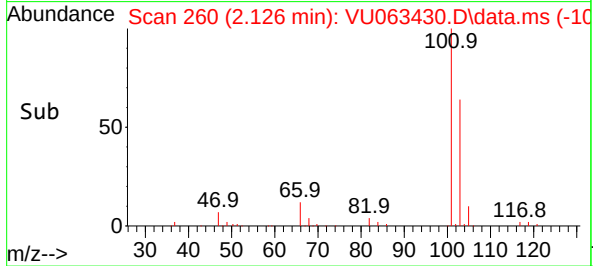
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



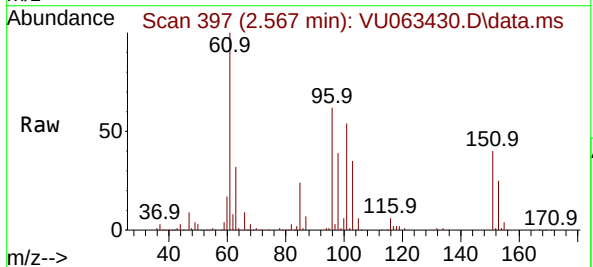
Tgt Ion:101 Resp: 22670
Ion Ratio Lower Upper
101 100
103 64.3 52.3 78.5

Manual Integrations
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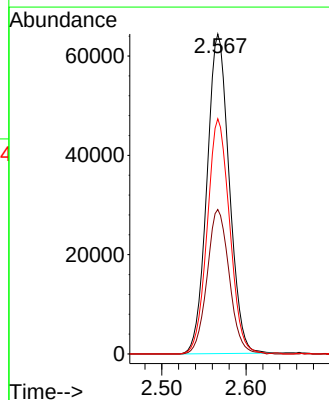
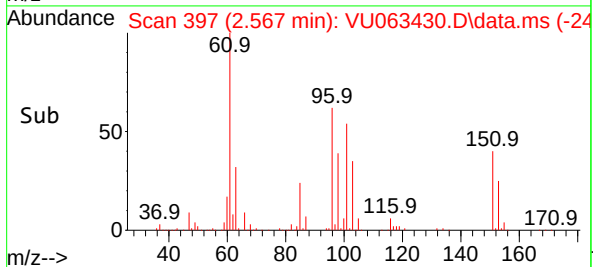
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

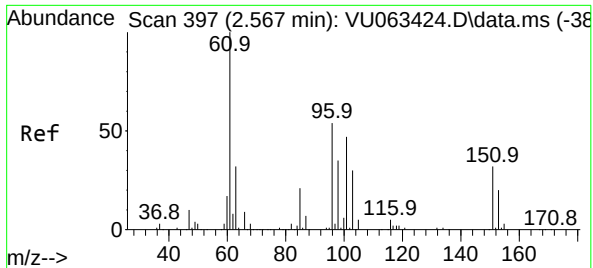


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 7.926 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17



Tgt Ion:101 Resp: 118407
Ion Ratio Lower Upper
101 100
85 45.0 36.7 55.1
151 73.8 53.9 80.9





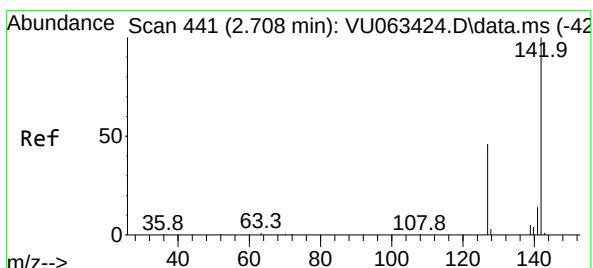
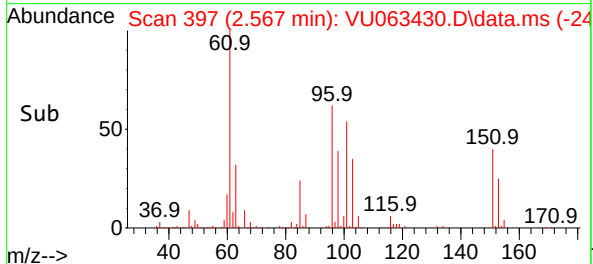
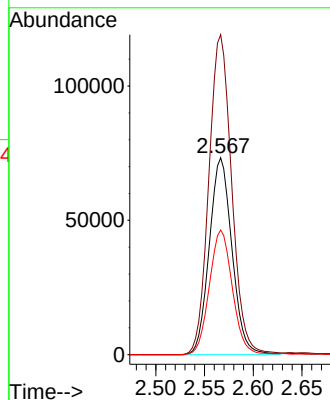
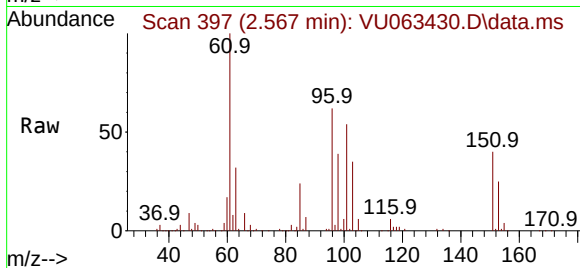
#9
1,1-Dichloroethene
Concen: 7.991 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 96 Resp: 119100
Ion Ratio Lower Upper
96 100
61 162.4 0.0 552.0
98 63.3 0.0 128.4

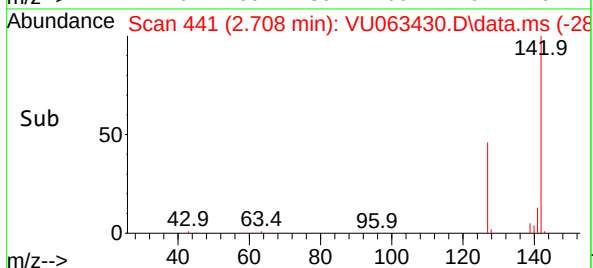
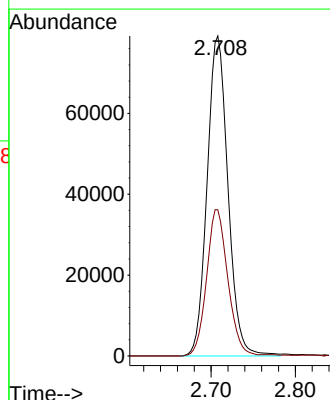
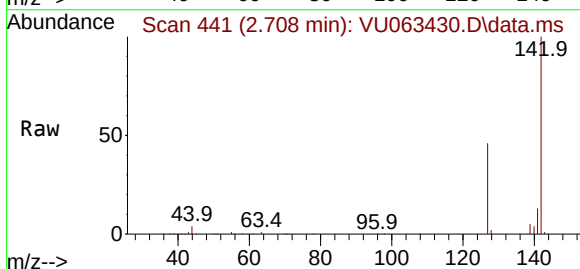
Manual Integrations
APPROVED

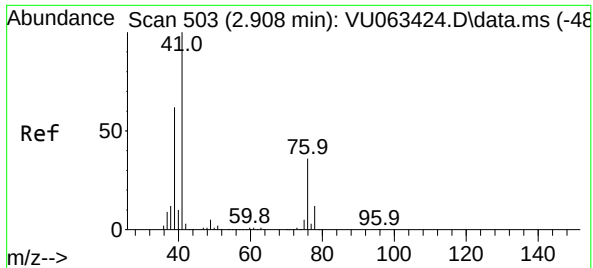
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#10
Iodomethane
Concen: 11.326 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

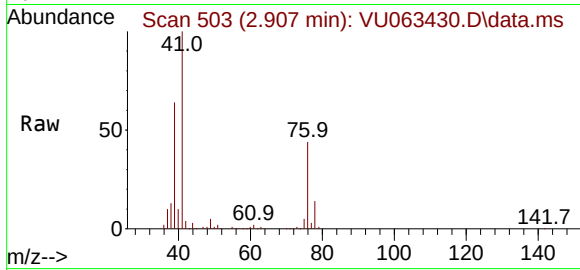
Tgt Ion:142 Resp: 136269
Ion Ratio Lower Upper
142 100
127 46.6 36.9 55.3





#11
Allyl Chloride
Concen: 6.438 ug/l
RT: 2.907 min Scan# 503
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

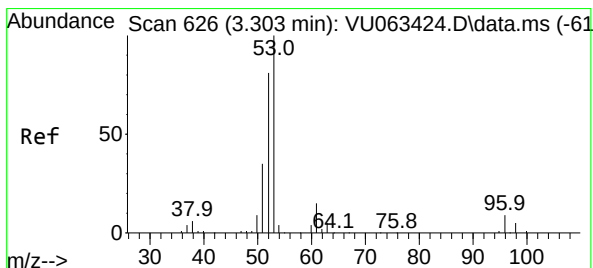
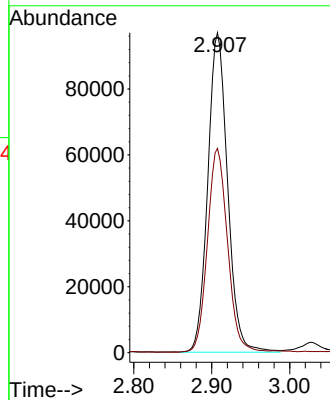
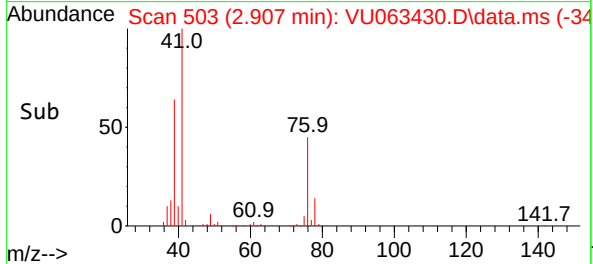
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion: 41 Resp: 170939
Ion Ratio Lower Upper
41 100
39 64.8 50.3 75.5

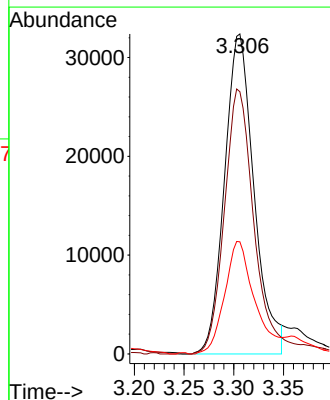
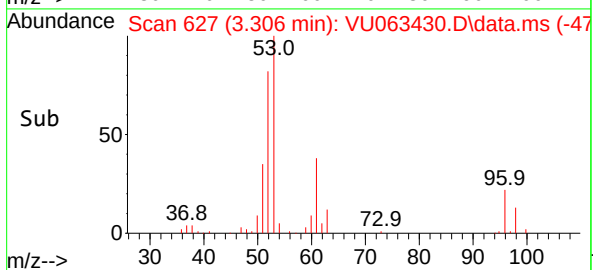
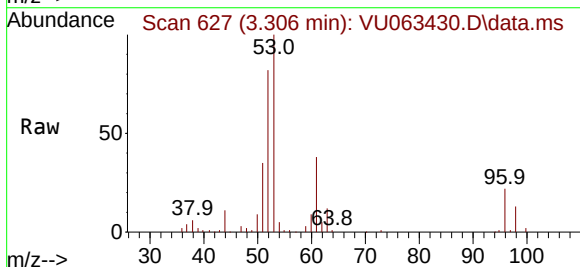
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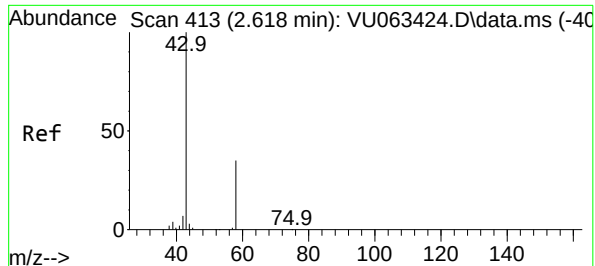
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#12
Acrylonitrile
Concen: 15.516 ug/l m
RT: 3.306 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 53 Resp: 66818
Ion Ratio Lower Upper
53 100
52 85.3 62.8 94.2
51 35.8 26.2 39.4





#13

Acetone

Concen: 26.365 ug/l

RT: 2.618 min Scan# 413

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 10019

Ion Ratio Lower Upper

43 100

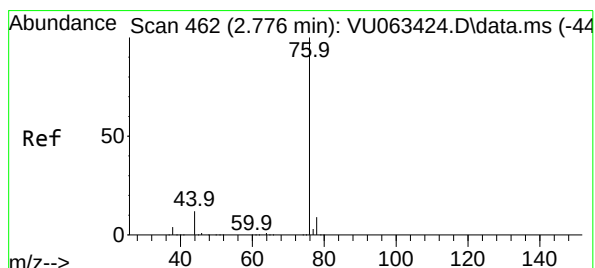
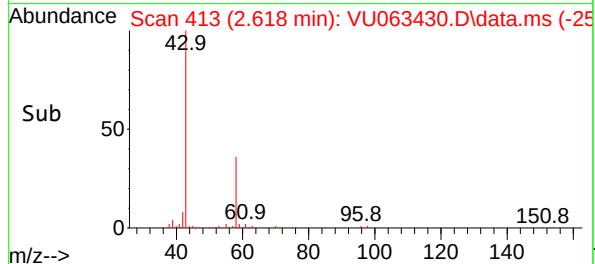
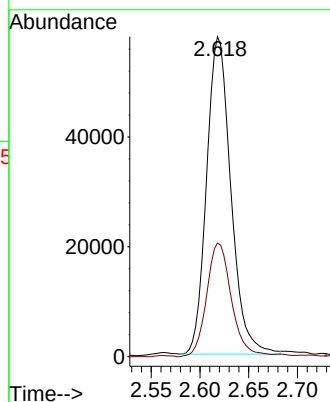
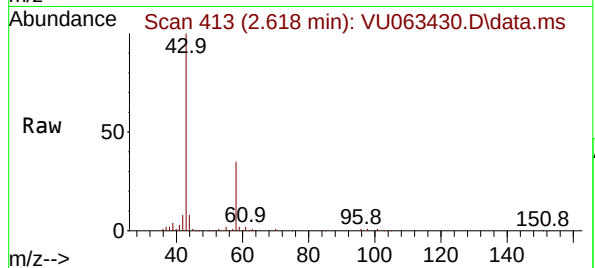
58 35.8 28.3 42.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 7.434 ug/l

RT: 2.776 min Scan# 462

Delta R.T. -0.000 min

Lab File: VU063430.D

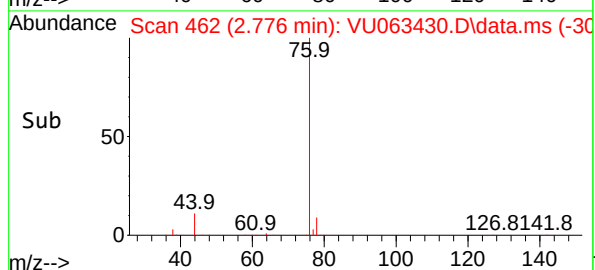
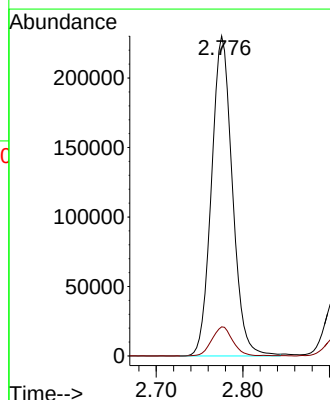
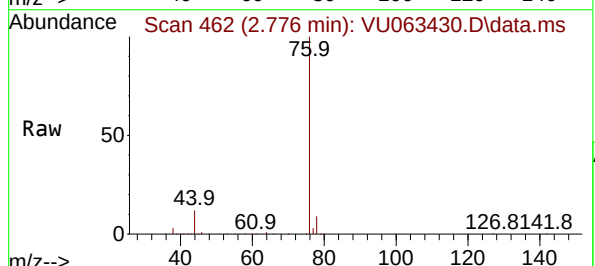
Acq: 24 Jun 2025 10:17

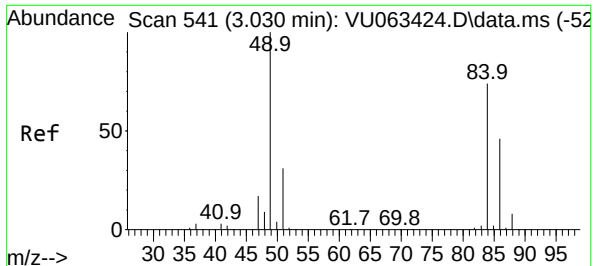
Tgt Ion: 76 Resp: 386403

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3





#15

Methylene Chloride

Concen: 7.623 ug/l

RT: 3.026 min Scan# 541

Delta R.T. -0.004 min

Lab File: VU063430.D

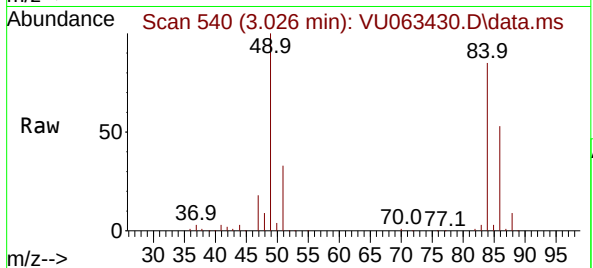
Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010



Tgt Ion: 84 Resp: 144028

Ion Ratio Lower Upper

84 100

49 118.1 108.7 163.1

51 38.5 0.0 83.8

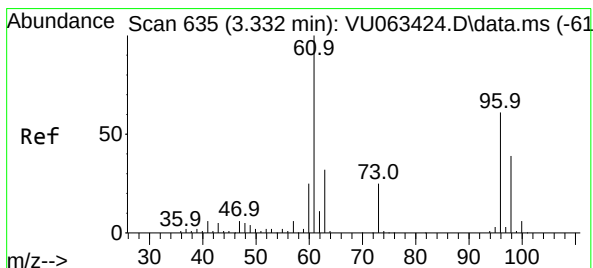
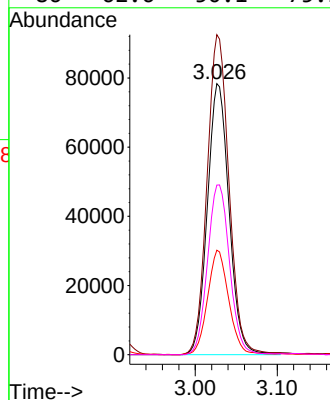
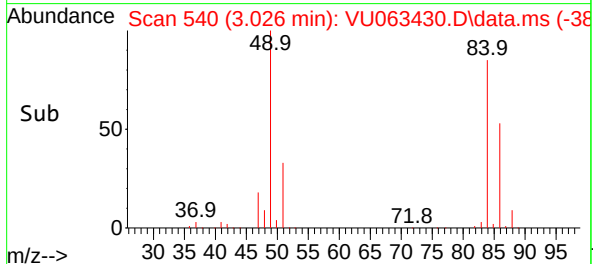
86 62.6 50.1 75.1

Manual Integrations

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#16

trans-1,2-Dichloroethene

Concen: 8.734 ug/l

RT: 3.332 min Scan# 635

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

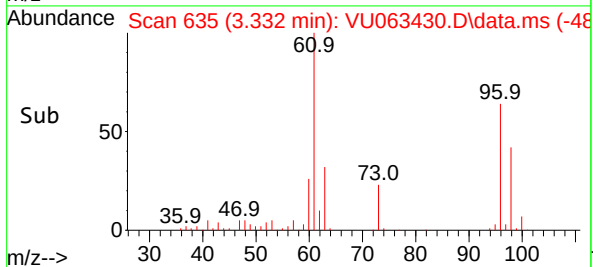
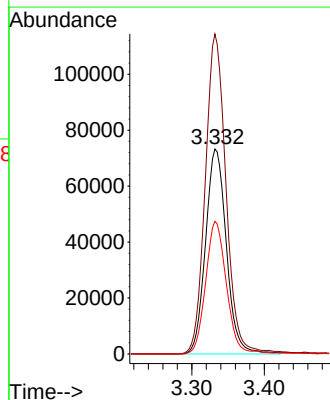
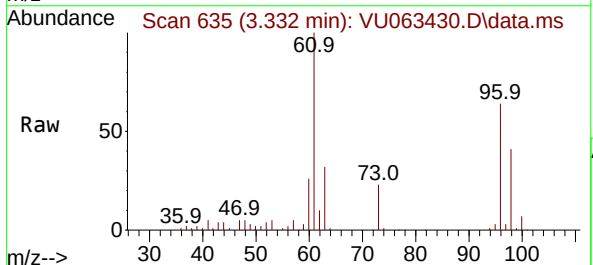
Tgt Ion: 96 Resp: 146466

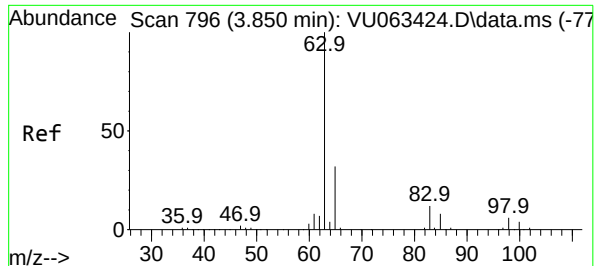
Ion Ratio Lower Upper

96 100

61 156.0 132.1 198.1

98 64.8 51.0 76.4





#17

1,1-Dichloroethane

Concen: 9.517 ug/l

RT: 3.846 min Scan# 796

Delta R.T. -0.004 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 33514

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

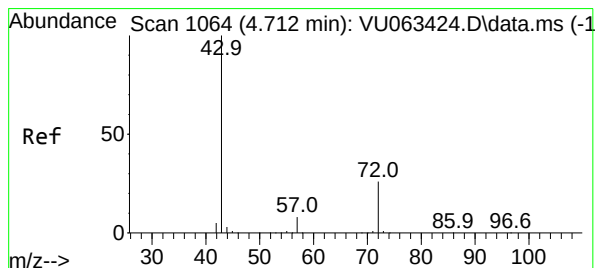
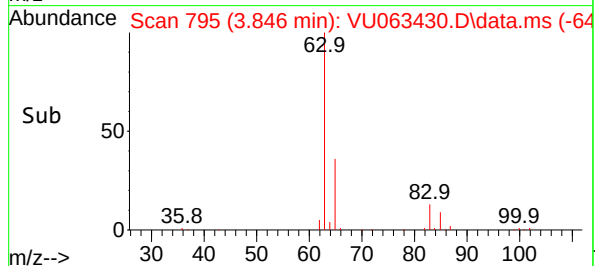
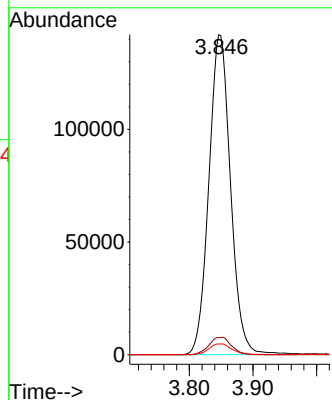
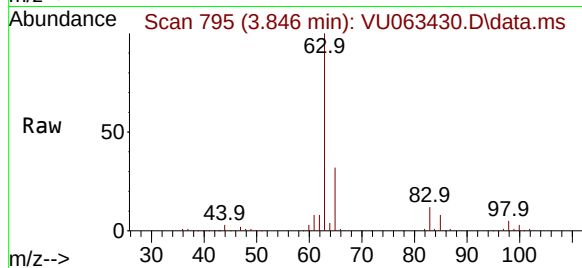
100 3.3 1.9 5.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 41.697 ug/l

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU063430.D

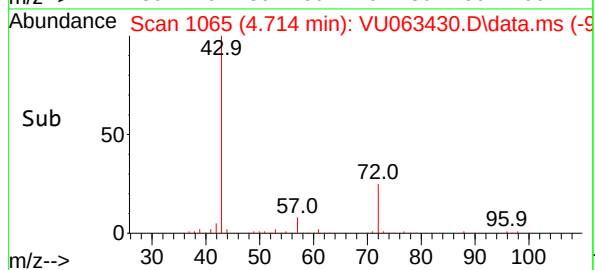
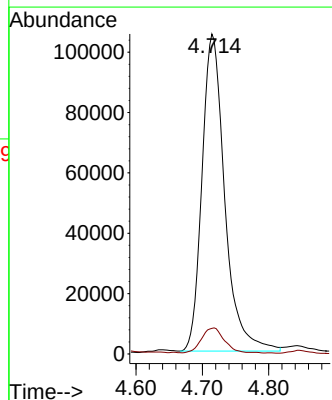
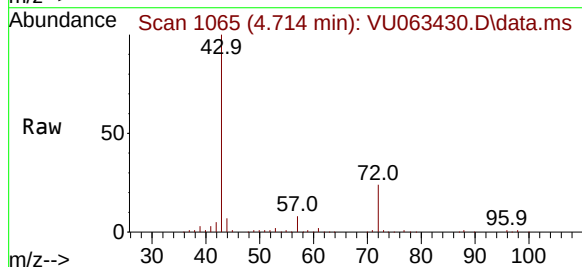
Acq: 24 Jun 2025 10:17

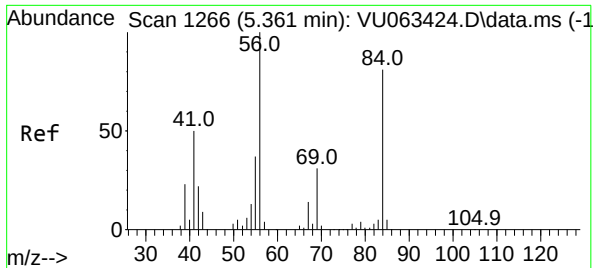
Tgt Ion: 43 Resp: 250590

Ion Ratio Lower Upper

43 100

57 7.8 0.0 16.0





#19

Cyclohexane

Concen: 10.004 ug/l

RT: 5.357 min Scan# 1265

Delta R.T. -0.004 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 56 Resp: 26650

Ion Ratio Lower Upper

56 100

69 31.9 26.4 39.6

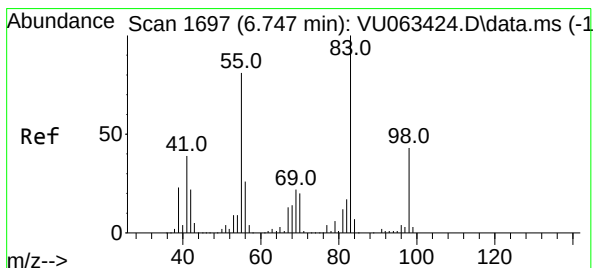
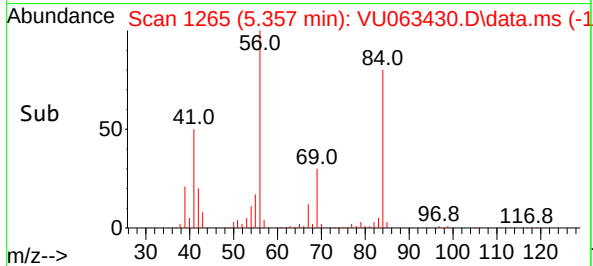
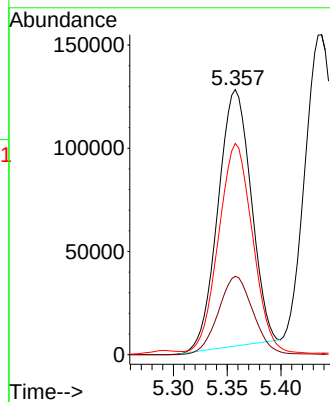
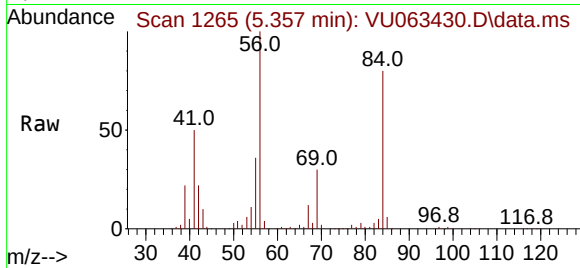
84 83.2 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 9.867 ug/l

RT: 6.746 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

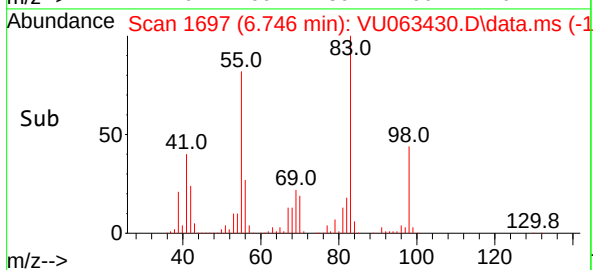
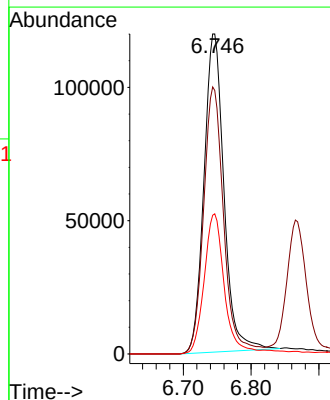
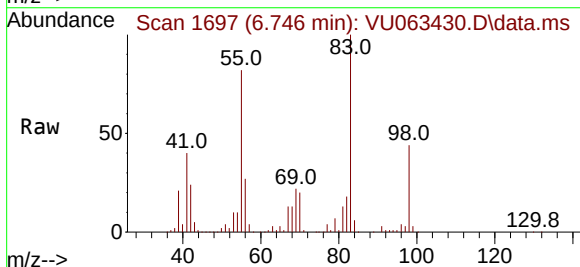
Tgt Ion: 83 Resp: 244050

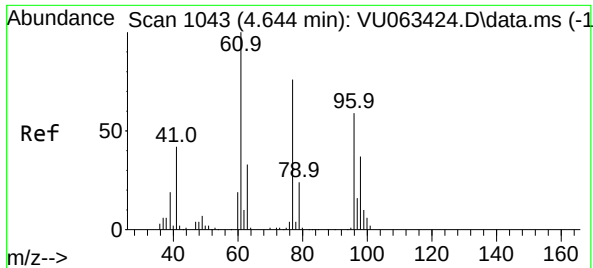
Ion Ratio Lower Upper

83 100

55 81.1 63.5 95.3

98 42.2 34.2 51.4





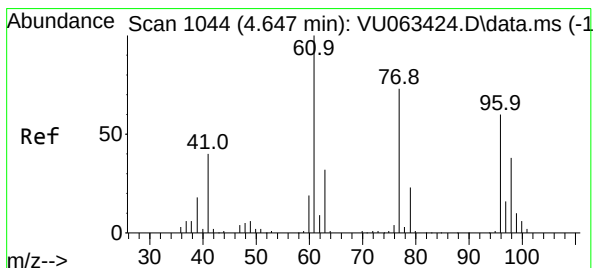
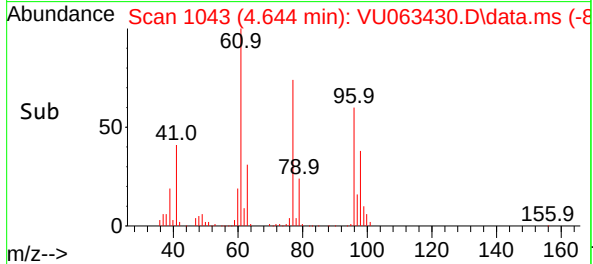
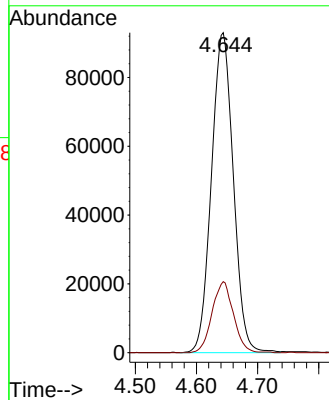
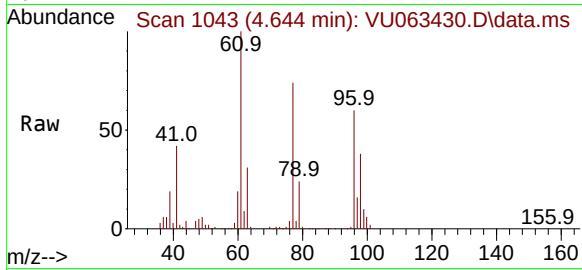
#21
2,2-Dichloropropane
Concen: 9.245 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 77 Resp: 231389
Ion Ratio Lower Upper
77 100
97 21.7 17.2 25.8

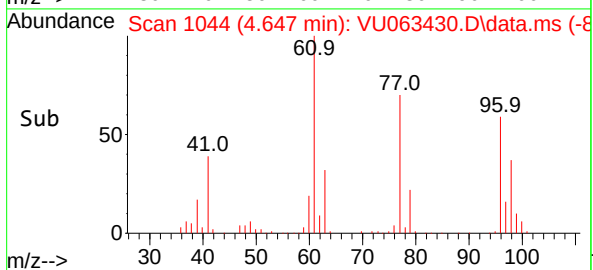
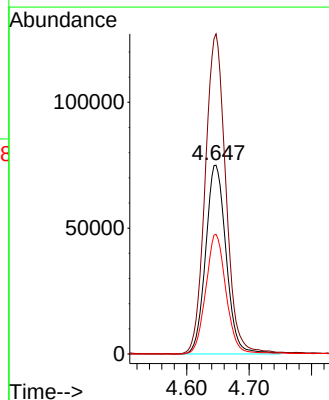
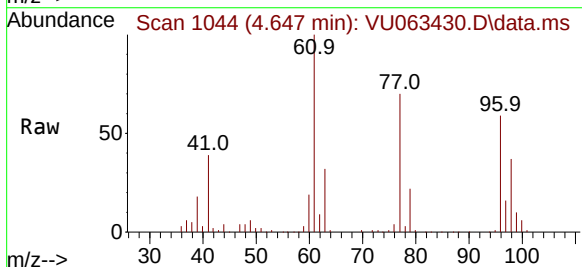
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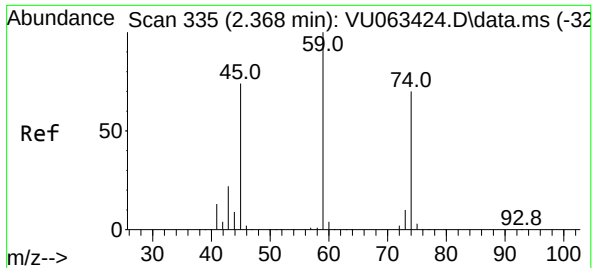
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#22
cis-1,2-Dichloroethene
Concen: 9.369 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 96 Resp: 171507
Ion Ratio Lower Upper
96 100
61 170.9 0.0 434.3
98 62.2 31.9 95.7





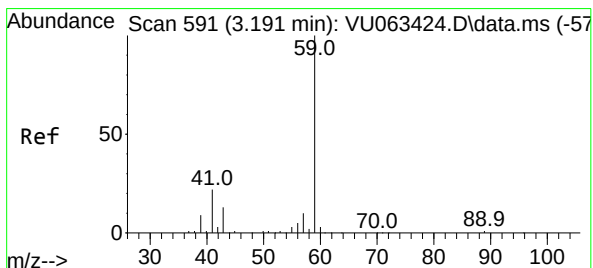
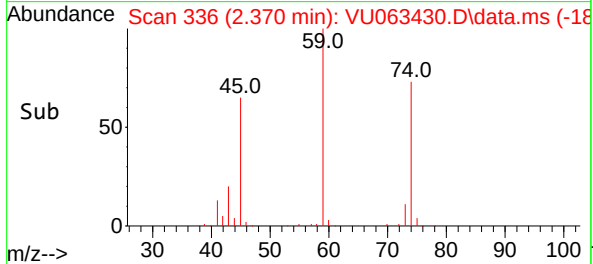
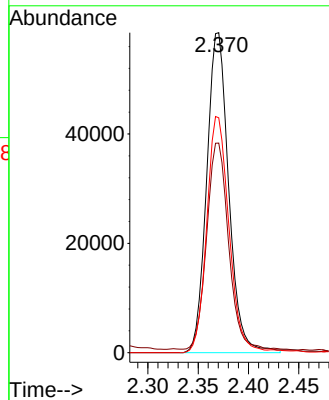
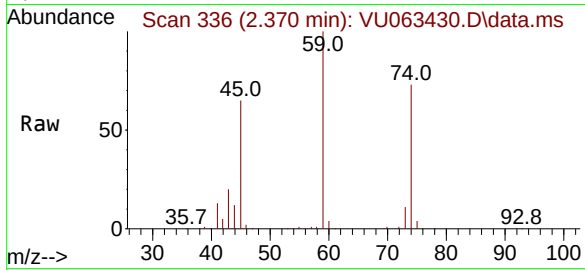
#23
Diethyl Ether
Concen: 6.628 ug/l
RT: 2.370 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 8914
Ion Ratio Lower Upper
59 100
45 63.5 60.7 91.1
74 74.4 55.8 83.6

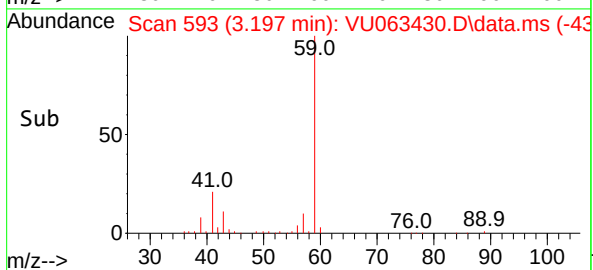
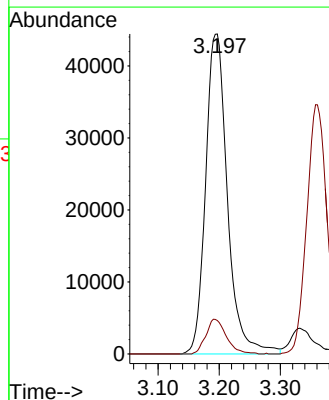
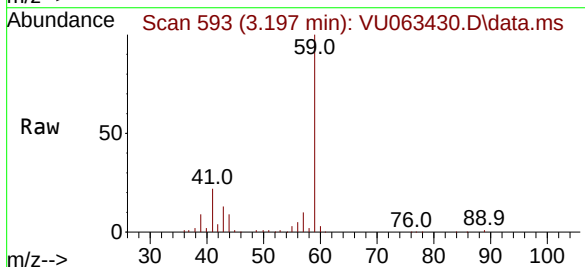
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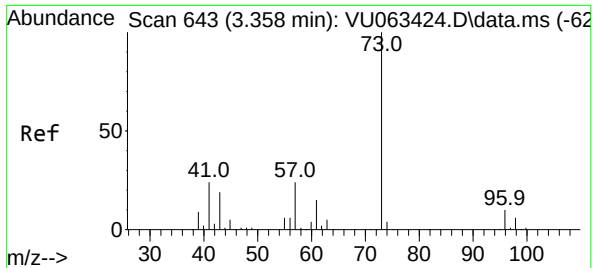
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#24
tert-Butyl Alcohol
Concen: 77.795 ug/l
RT: 3.197 min Scan# 593
Delta R.T. 0.006 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 59 Resp: 110214
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8





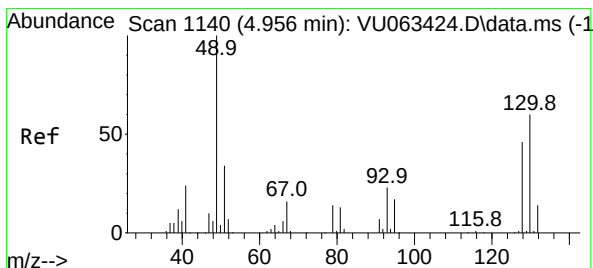
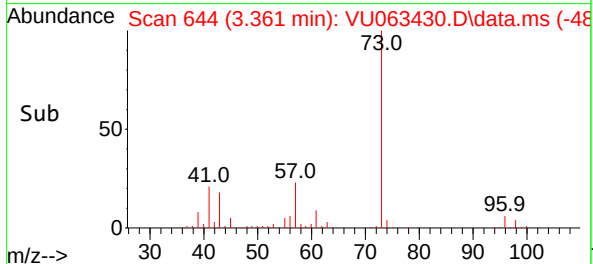
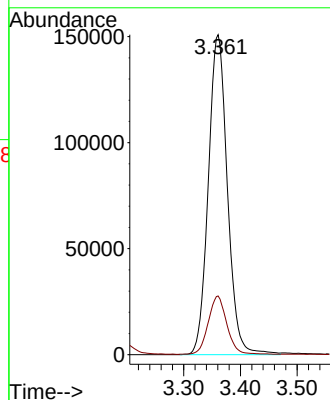
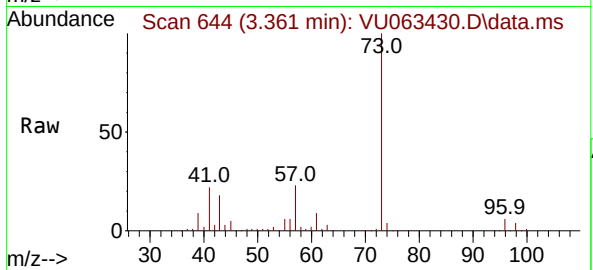
#25
Methyl tert-Butyl Ether
Concen: 8.718 ug/l
RT: 3.361 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 73 Resp: 35340
Ion Ratio Lower Upper
73 100
43 17.6 15.1 22.7

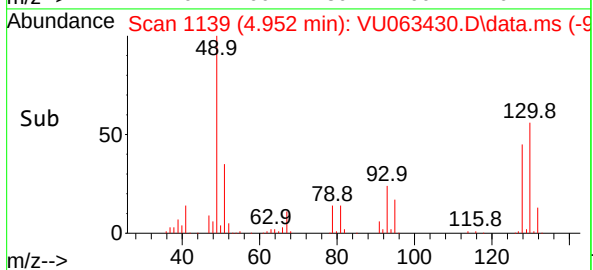
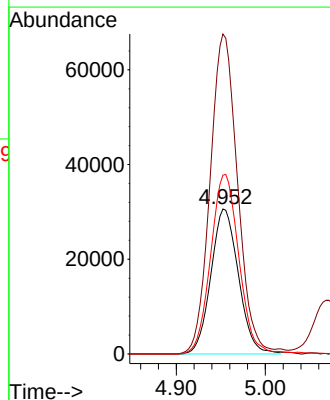
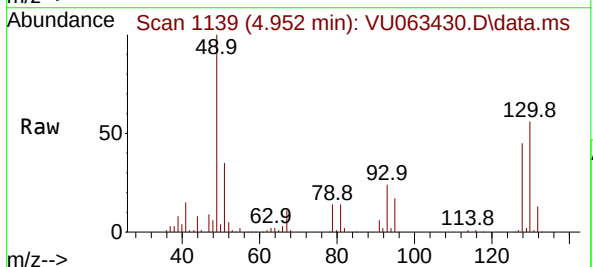
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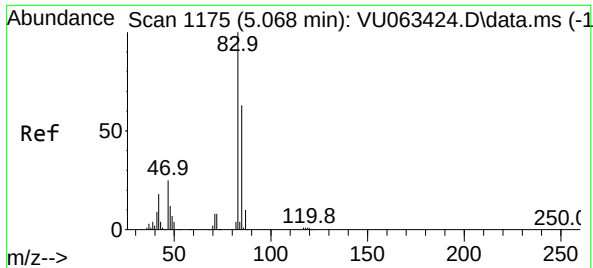
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#26
Bromochloromethane
Concen: 9.233 ug/l
RT: 4.952 min Scan# 1139
Delta R.T. -0.004 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:128 Resp: 65786
Ion Ratio Lower Upper
128 100
49 219.5 0.0 441.2
130 127.1 102.3 153.5





#27

Chloroform

Concen: 9.247 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 305259

Ion Ratio Lower Upper

83 100

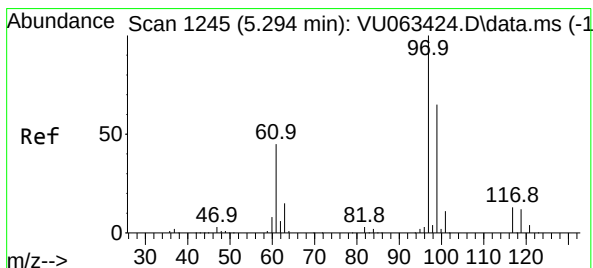
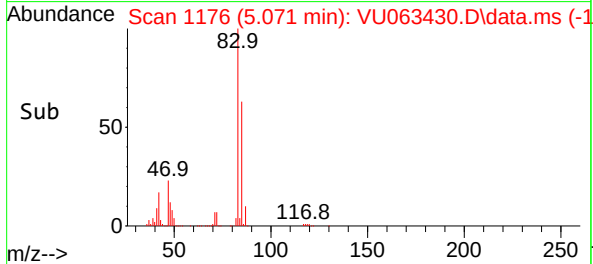
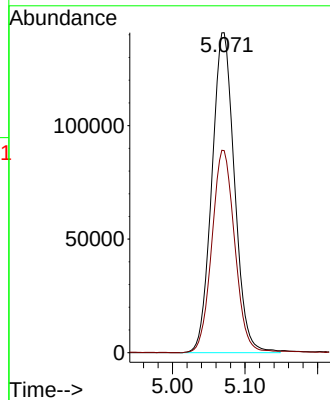
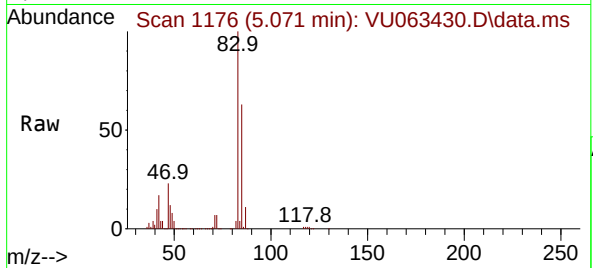
85 63.2 0.0 126.8

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 9.518 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

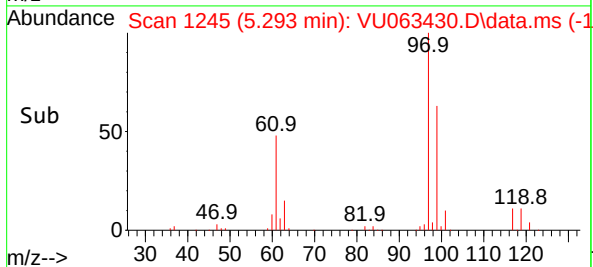
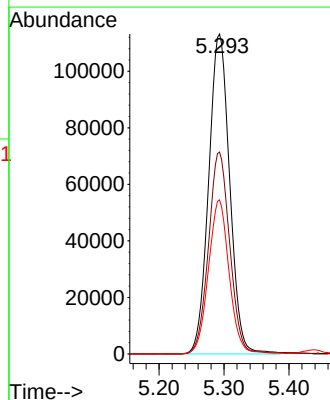
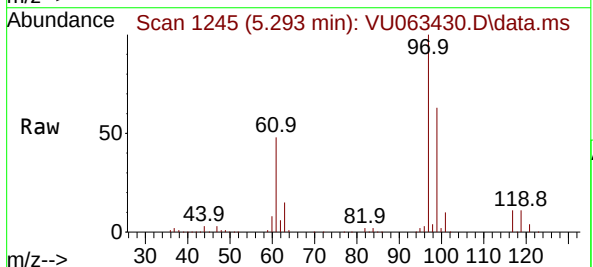
Tgt Ion: 97 Resp: 254762

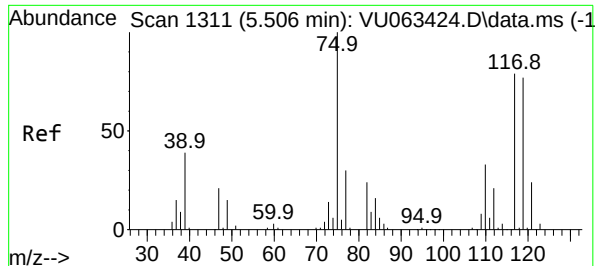
Ion Ratio Lower Upper

97 100

99 63.7 31.9 95.5

61 47.7 22.9 68.7





#29

1,1-Dichloropropene

Concen: 9.662 ug/l

RT: 5.502 min Scan# 11

Delta R.T. -0.004 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 23626

Ion Ratio Lower Upper

75 100

110 34.0 17.4 52.2

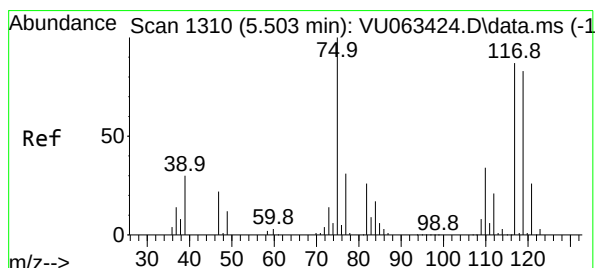
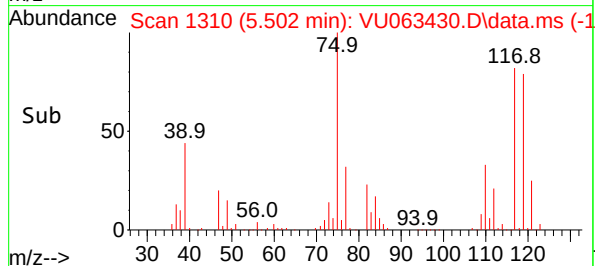
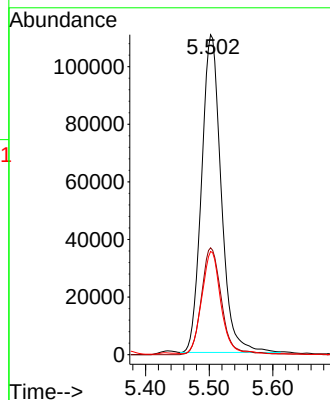
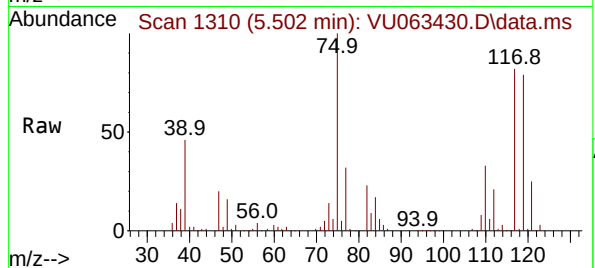
77 30.8 25.4 38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 9.711 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.004 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

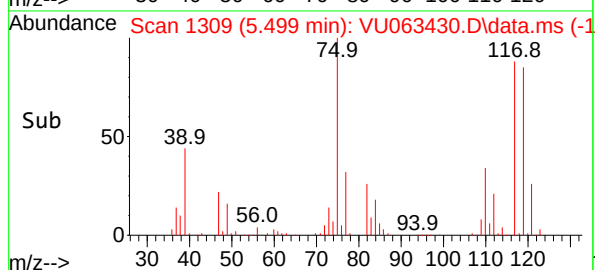
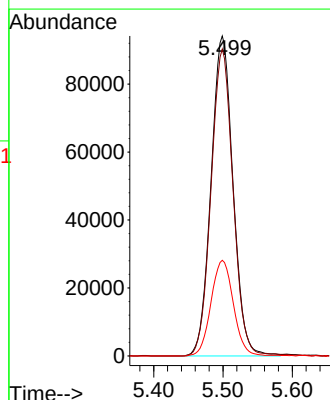
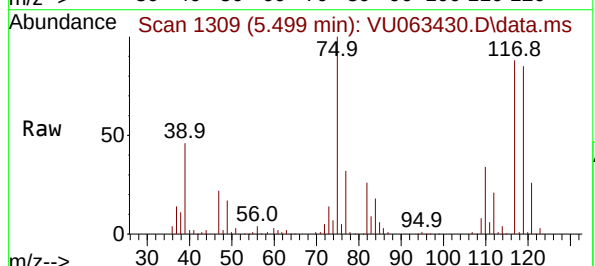
Tgt Ion:117 Resp: 207617

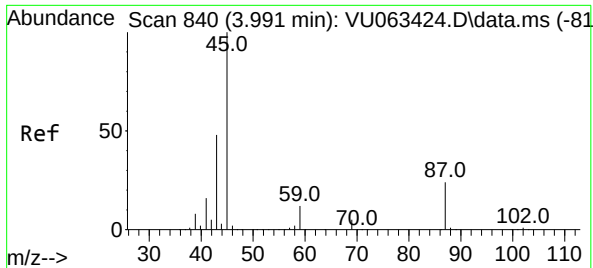
Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1

121 29.9 24.3 36.5





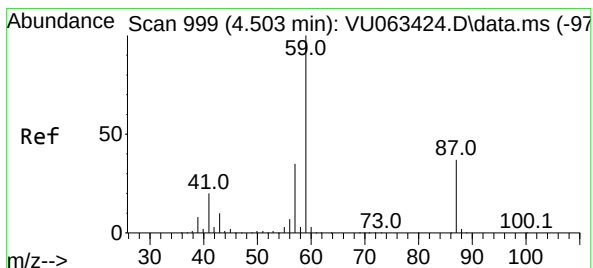
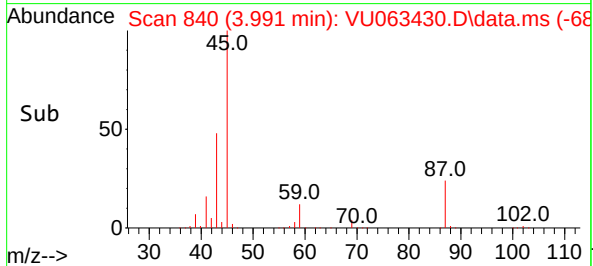
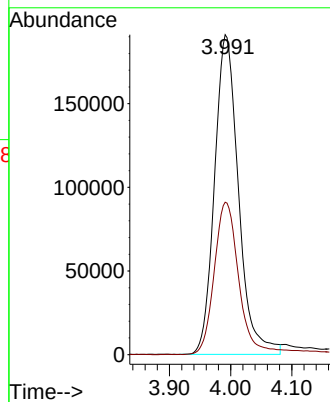
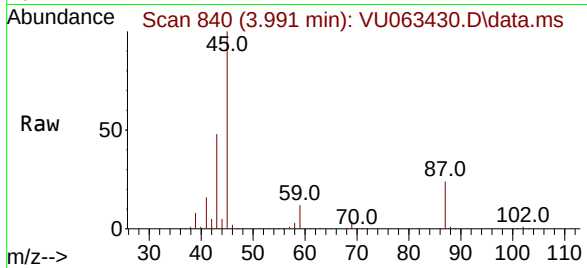
#31
Isopropyl Ether
Concen: 9.451 ug/l
RT: 3.991 min Scan# 840
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 519904
Ion Ratio Lower Upper
45 100
43 49.3 23.8 71.5

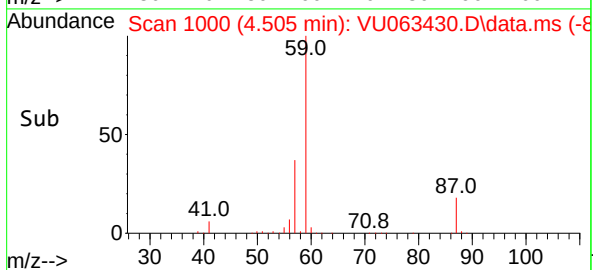
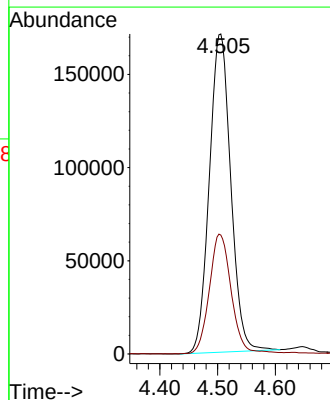
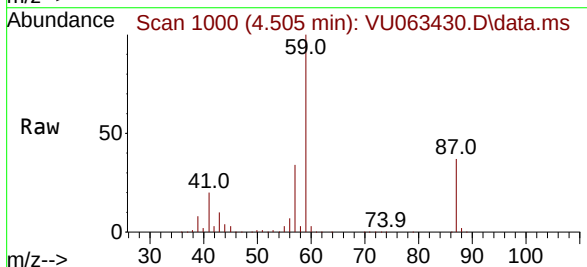
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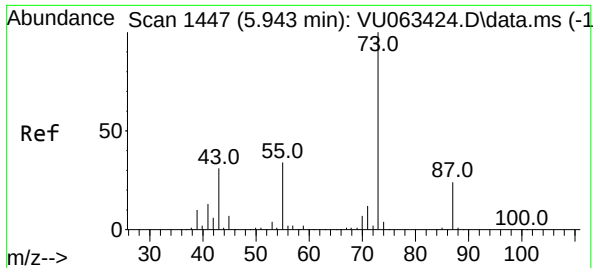
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 9.429 ug/l
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

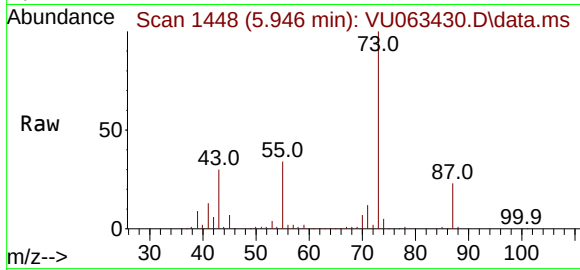
Tgt Ion: 59 Resp: 439624
Ion Ratio Lower Upper
59 100
87 37.8 29.9 44.9





#33
Tert-Amyl methyl ether
Concen: 10.096 ug/l
RT: 5.946 min Scan# 1447
Delta R.T. 0.003 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

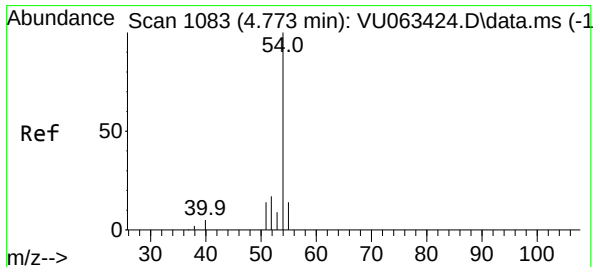
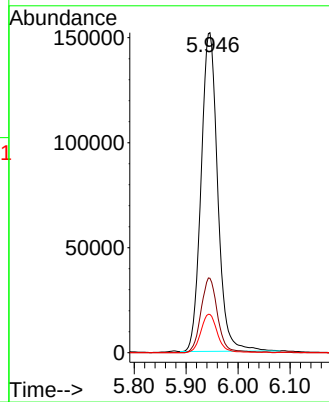
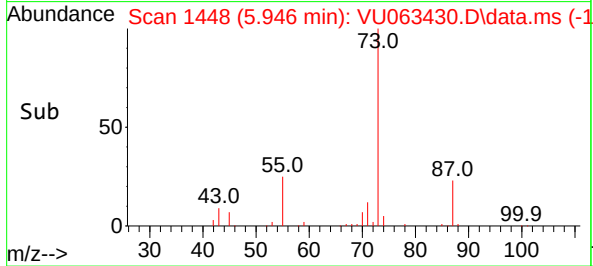
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion: 73 Resp: 336962
Ion Ratio Lower Upper
73 100
87 23.2 18.1 27.1
71 11.9 10.0 15.0

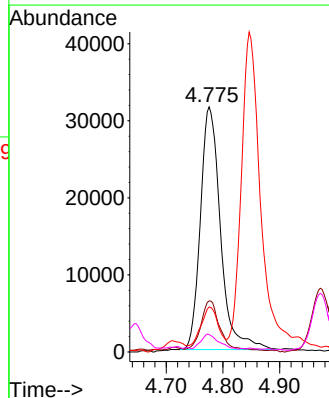
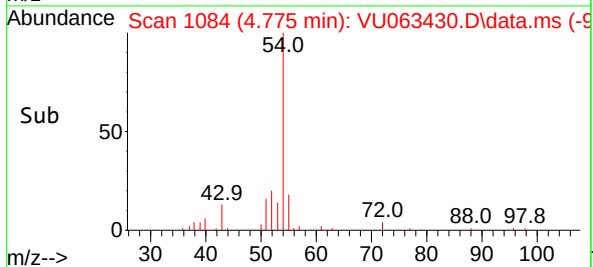
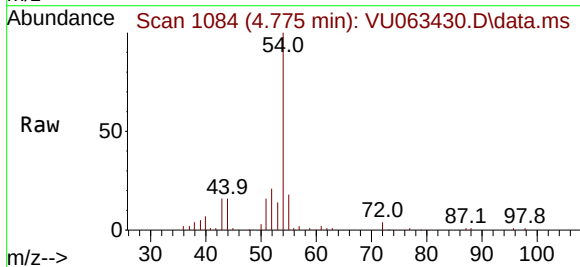
Manual Integrations
APPROVED

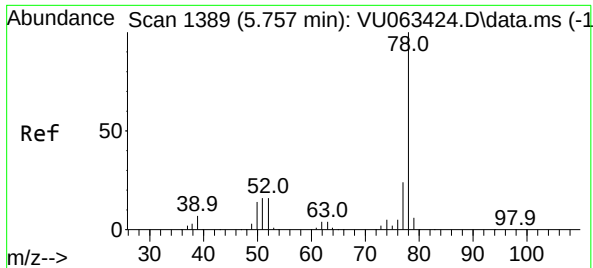
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#34
Propionitrile
Concen: 44.782 ug/l
RT: 4.775 min Scan# 1084
Delta R.T. 0.003 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 54 Resp: 77852
Ion Ratio Lower Upper
54 100
52 18.9 14.8 22.2
55 13.8 12.2 18.2
40 5.3 4.8 7.2





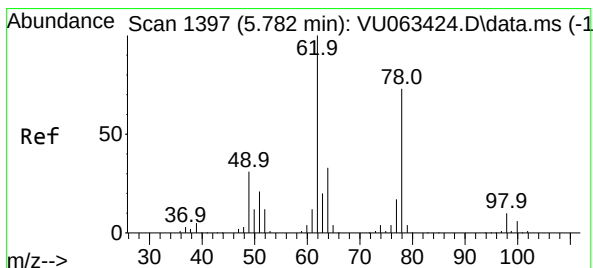
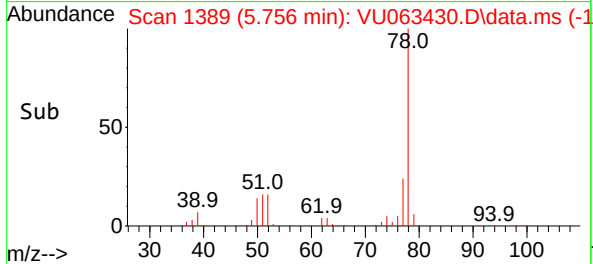
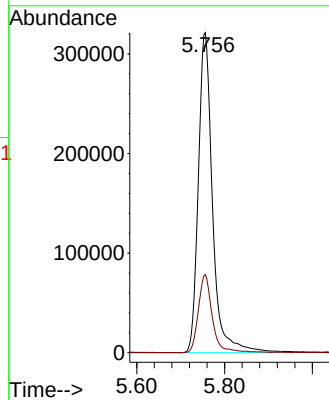
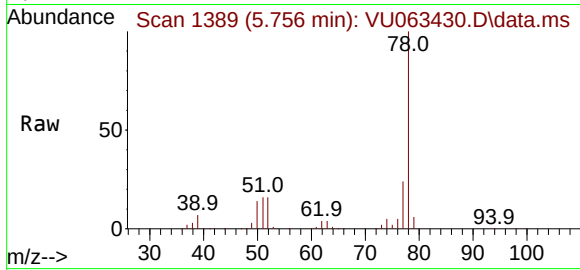
#35
Benzene
Concen: 9.749 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 78 Resp: 721089
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.2

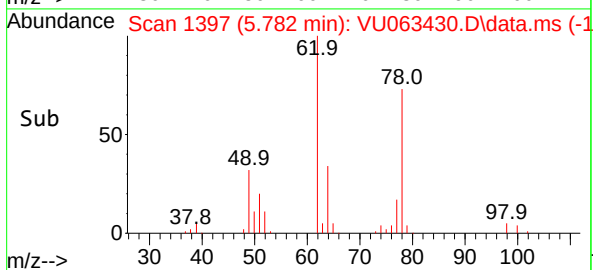
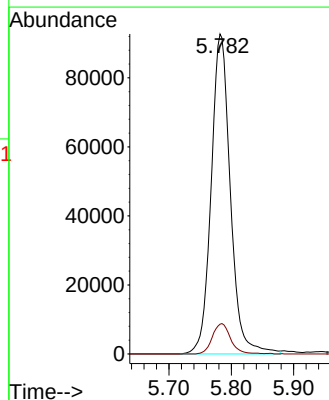
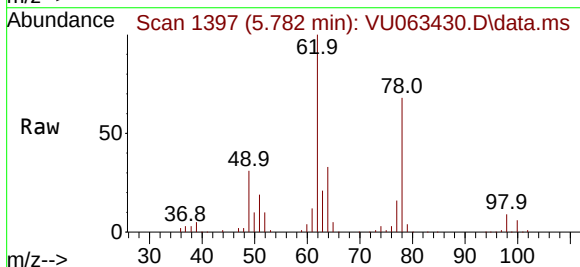
Manual Integrations
APPROVED

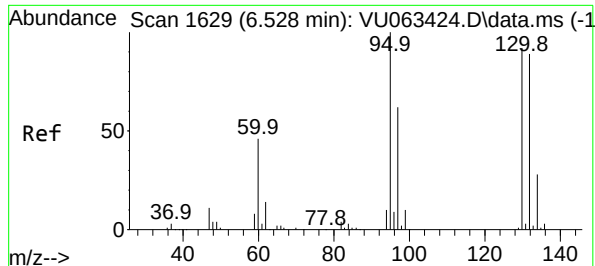
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 9.175 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 62 Resp: 198400
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#37

Trichloroethene

Concen: 9.460 ug/l

RT: 6.528 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:130 Resp: 16536

Ion Ratio Lower Upper

130 100

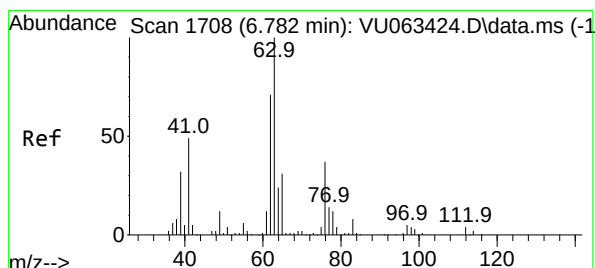
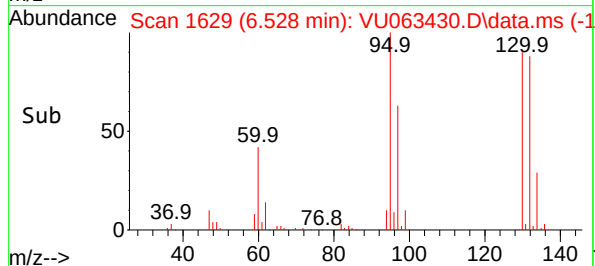
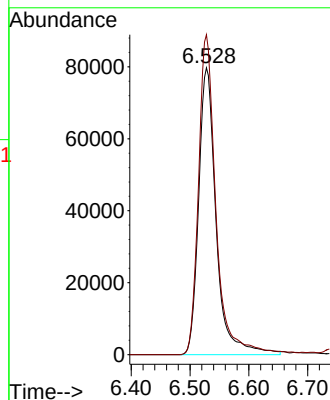
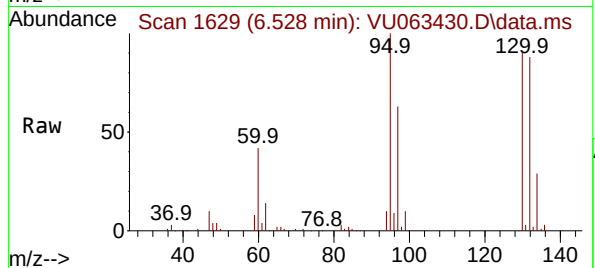
95 111.6 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 9.945 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VU063430.D

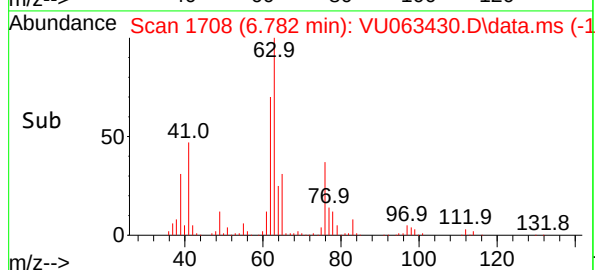
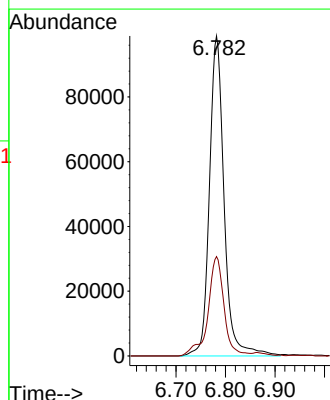
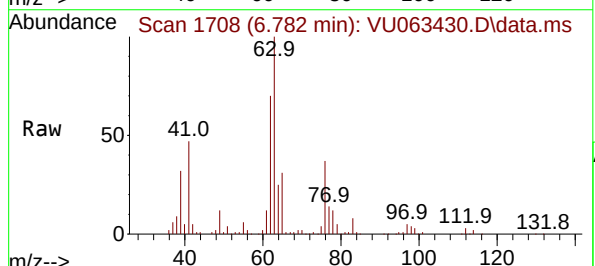
Acq: 24 Jun 2025 10:17

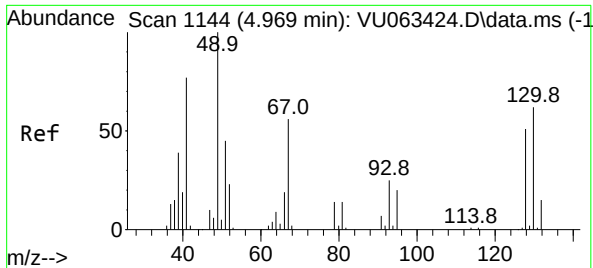
Tgt Ion: 63 Resp: 203167

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6





#39

Methacrylonitrile

Concen: 8.729 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 63129

Ion Ratio Lower Upper

41 100

67 76.2 59.8 89.8

39 51.0 40.7 61.1

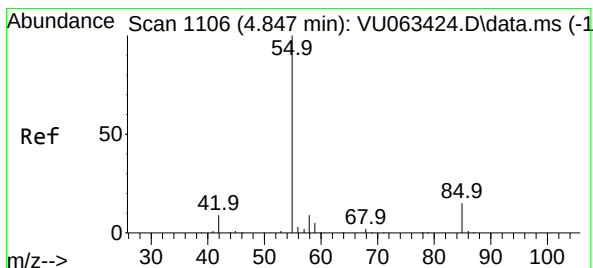
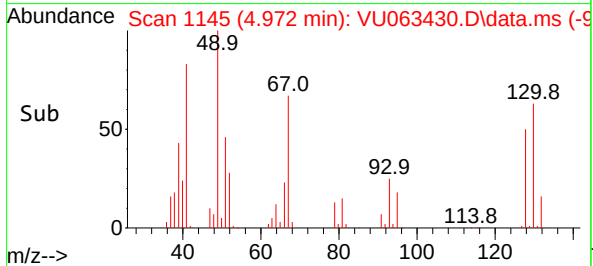
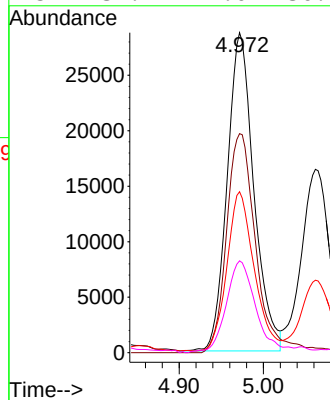
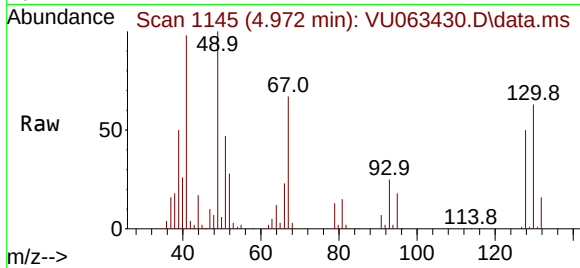
52 31.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 8.870 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Tgt Ion: 55 Resp: 90078

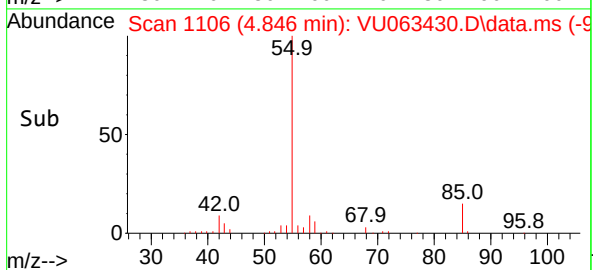
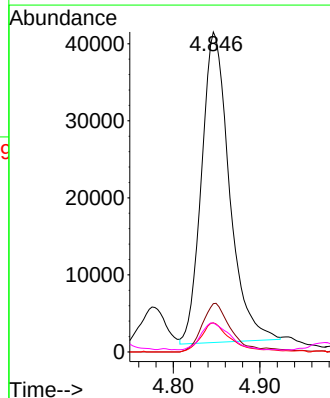
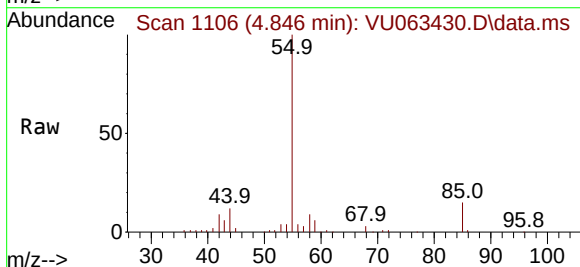
Ion Ratio Lower Upper

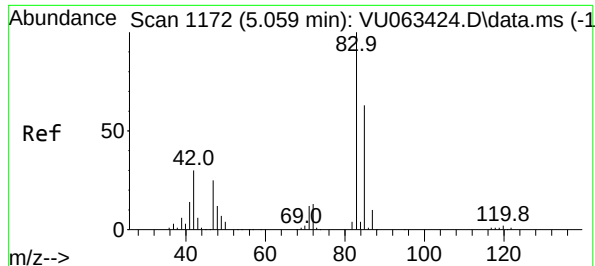
55 100

85 15.8 12.6 19.0

58 9.7 6.9 10.3

42 8.9 7.1 10.7





#41

Tetrahydrofuran

Concen: 17.261 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 42 Resp: 6716

Ion Ratio Lower Upper

42 100

72 41.7 35.4 53.2

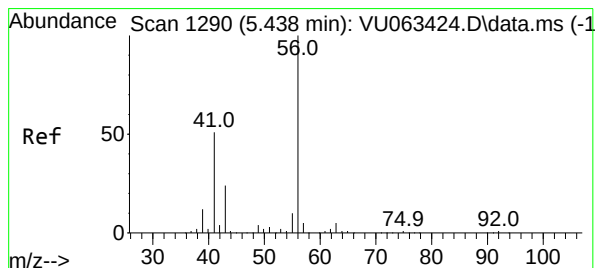
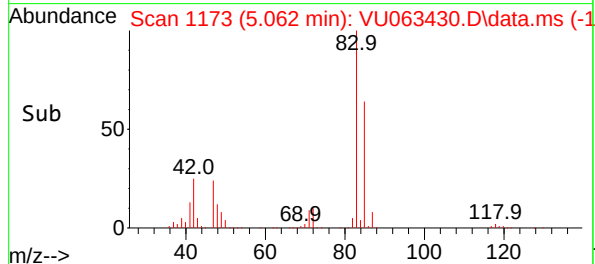
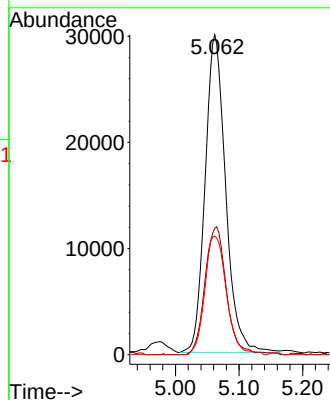
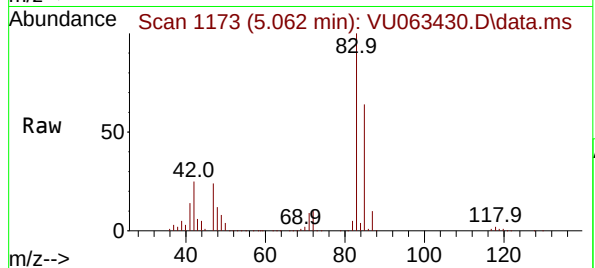
71 39.2 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 9.751 ug/l

RT: 5.438 min Scan# 1290

Delta R.T. -0.000 min

Lab File: VU063430.D

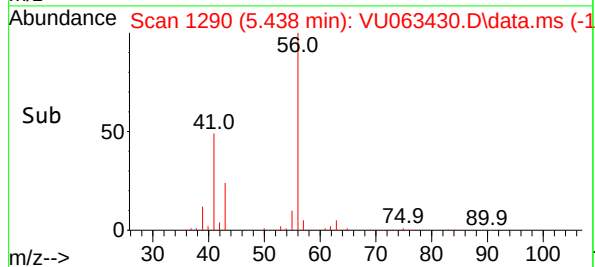
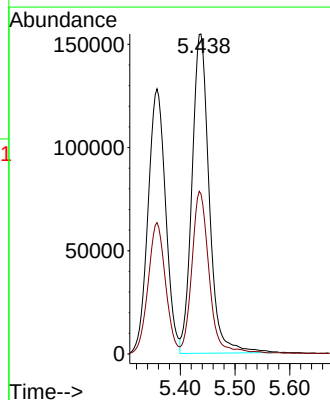
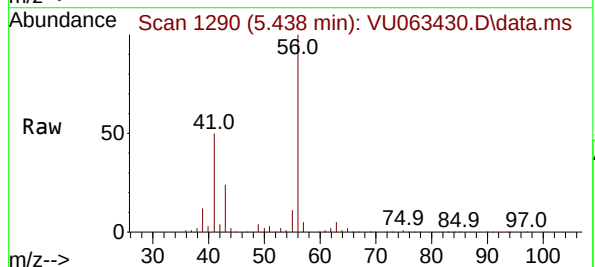
Acq: 24 Jun 2025 10:17

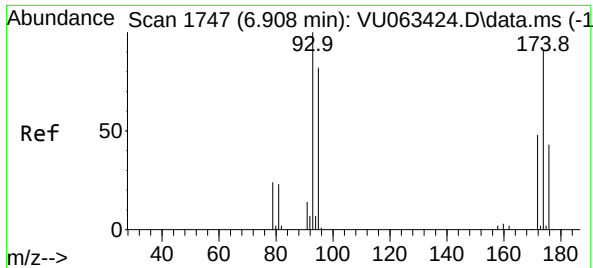
Tgt Ion: 56 Resp: 338259

Ion Ratio Lower Upper

56 100

41 48.9 26.4 79.0





#43

Dibromomethane

Concen: 9.575 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. -0.001 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 93 Resp: 91375

Ion Ratio Lower Upper

93 100

95 82.5 66.7 100.1

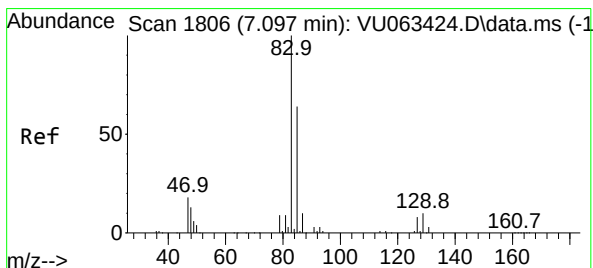
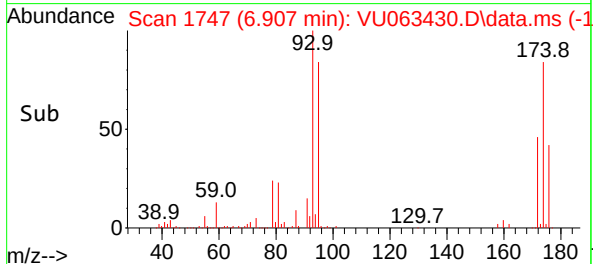
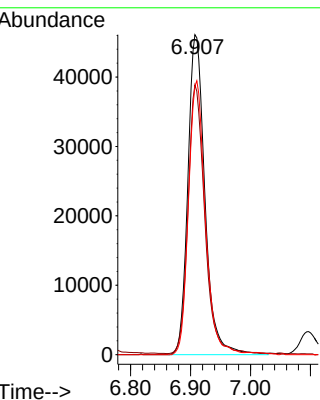
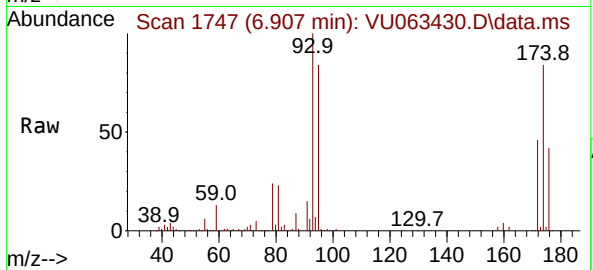
174 84.5 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 9.486 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

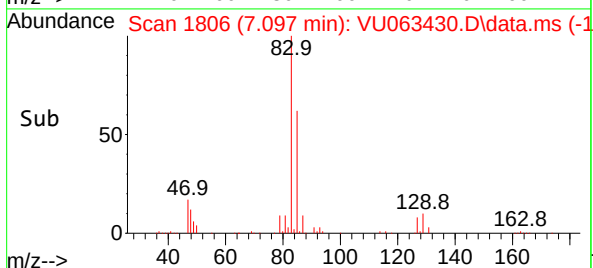
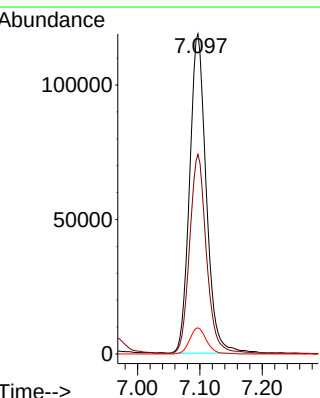
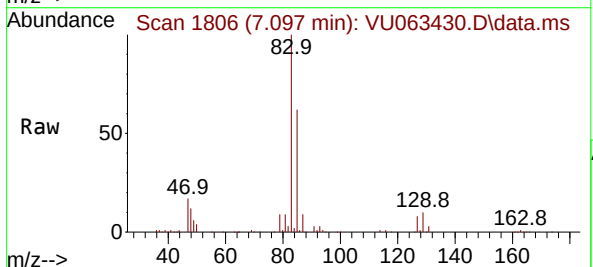
Tgt Ion: 83 Resp: 220512

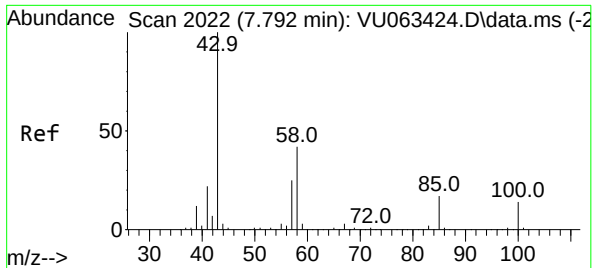
Ion Ratio Lower Upper

83 100

85 62.3 51.4 77.2

127 8.2 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 49.367 ug/l

RT: 7.795 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 50573

Ion Ratio Lower Upper

43

100

58

85

41.6

17.7

20.5

14.2

61.6

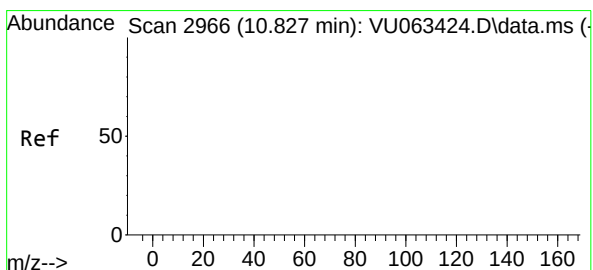
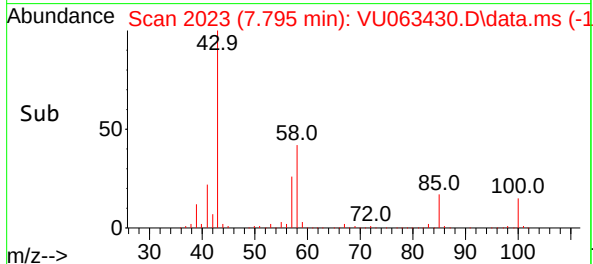
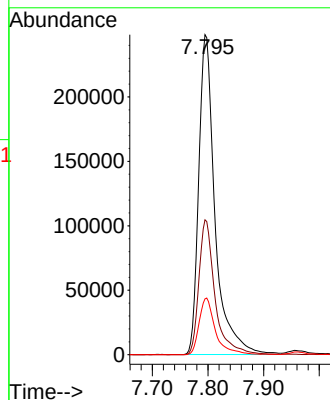
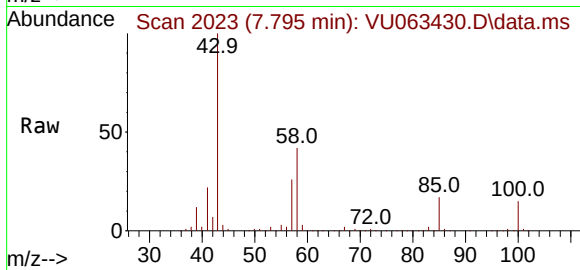
21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 15.831 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Tgt Ion: 75 Resp: 53307

Ion Ratio Lower Upper

75

100

53

89

88

71.3

44.7

36.1

61.4

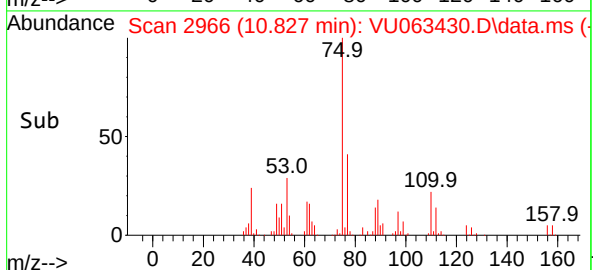
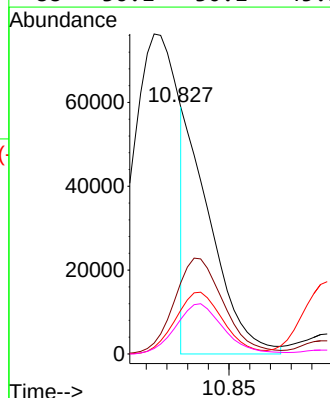
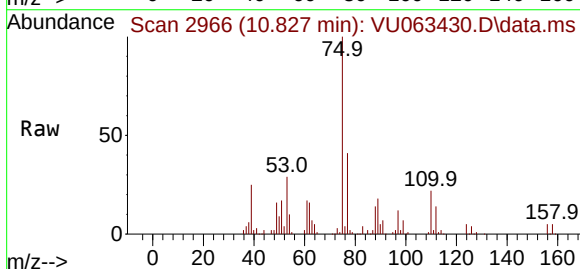
39.2

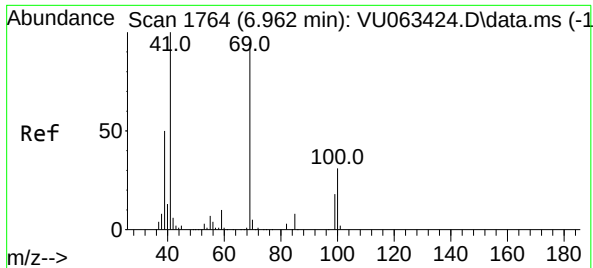
30.1

92.2

58.8

45.1





#47

Methyl methacrylate

Concen: 17.827 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 16108

Ion Ratio Lower Upper

69 100

41 107.8 0.0 212.6

39 51.9 40.6 61.0

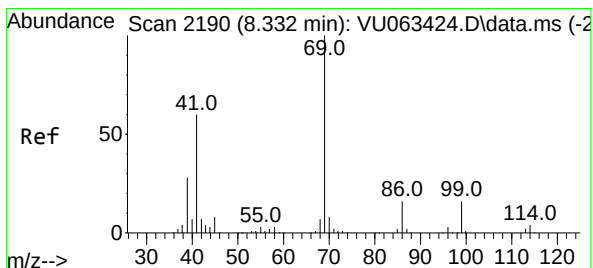
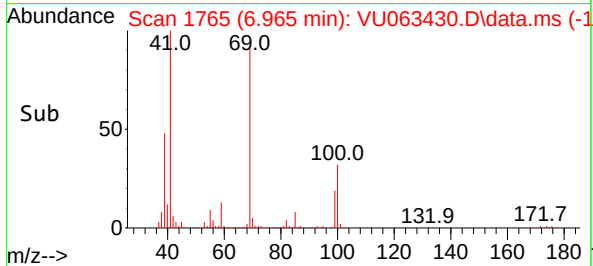
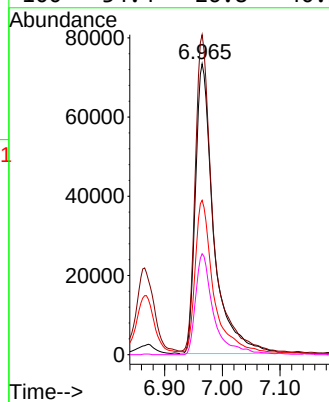
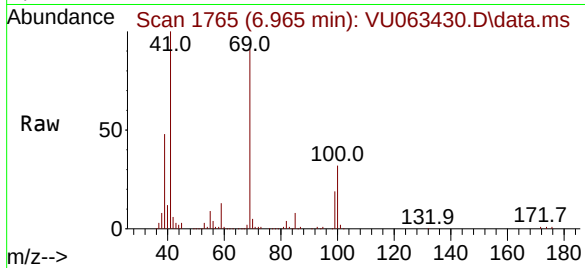
100 34.4 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 9.196 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VU063430.D

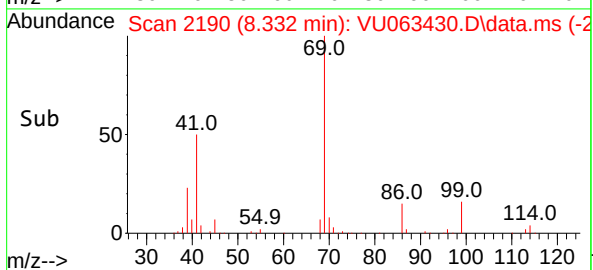
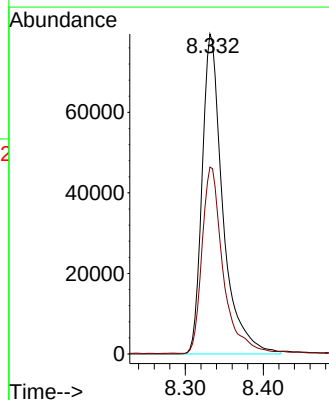
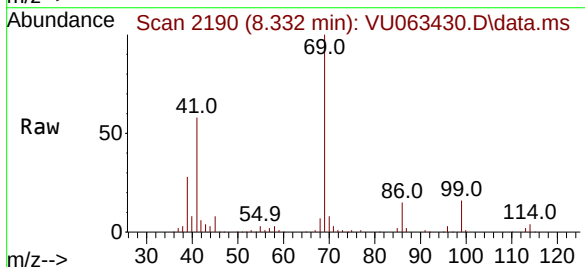
Acq: 24 Jun 2025 10:17

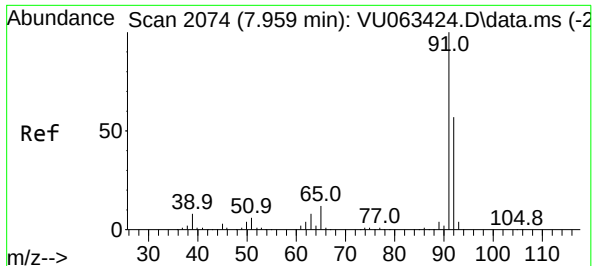
Tgt Ion: 69 Resp: 146595

Ion Ratio Lower Upper

69 100

41 58.9 30.6 92.0





#49

Toluene

Concen: 10.577 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 92 Resp: 429525

Ion Ratio Lower Upper

92 100

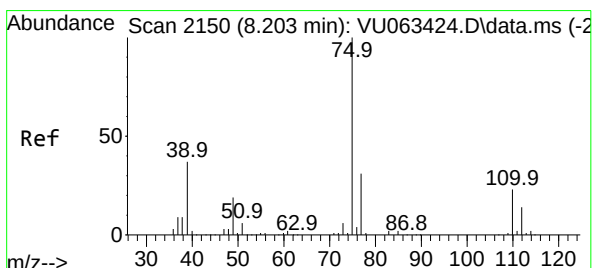
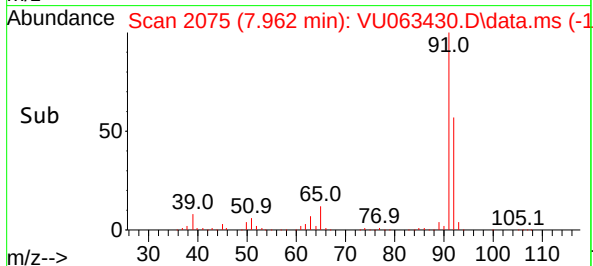
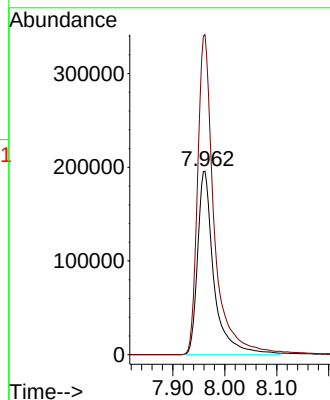
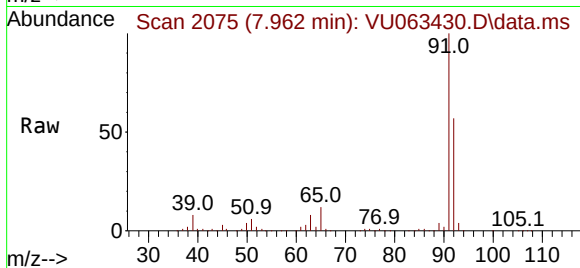
91 178.4 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 11.068 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU063430.D

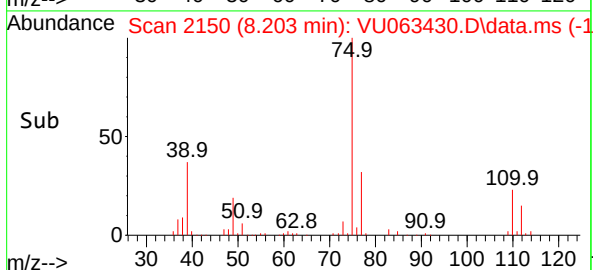
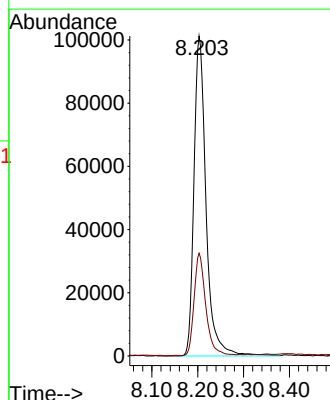
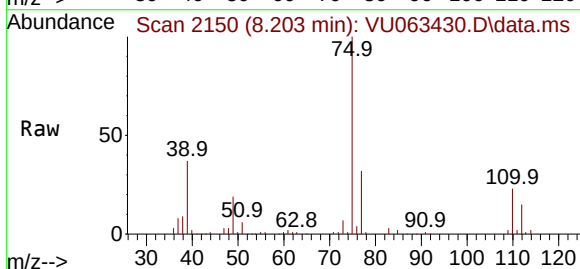
Acq: 24 Jun 2025 10:17

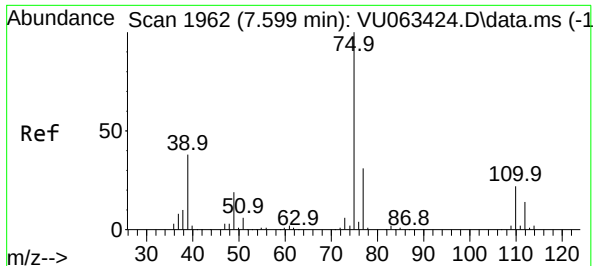
Tgt Ion: 75 Resp: 185549

Ion Ratio Lower Upper

75 100

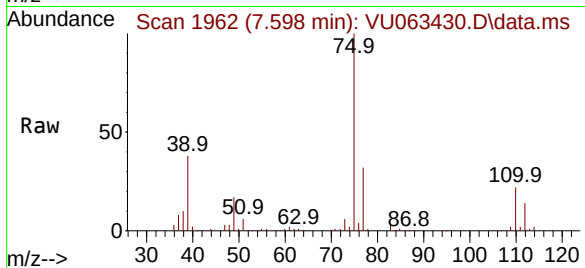
77 32.0 24.5 36.7





#51
cis-1,3-Dichloropropene
Concen: 10.575 ug/l
RT: 7.598 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

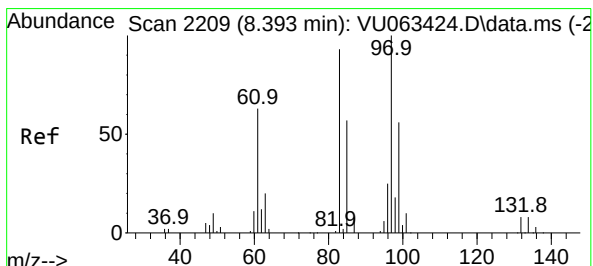
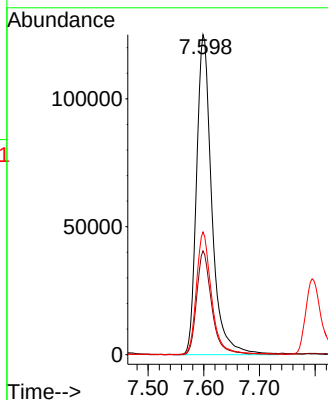
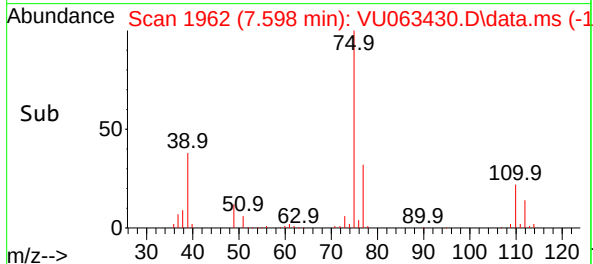
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 23811
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 38.2 30.7 46.1

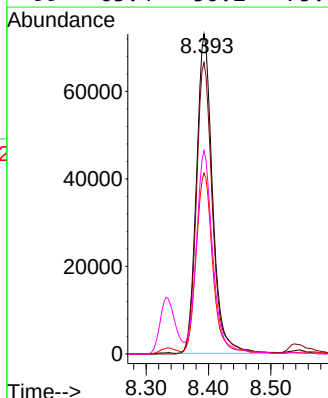
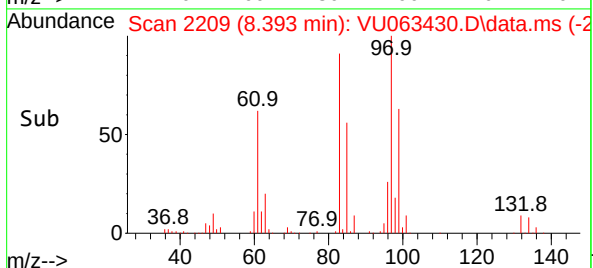
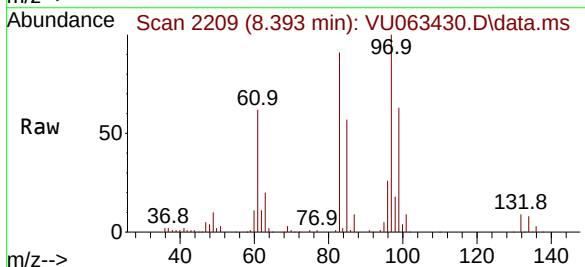
Manual Integrations
APPROVED

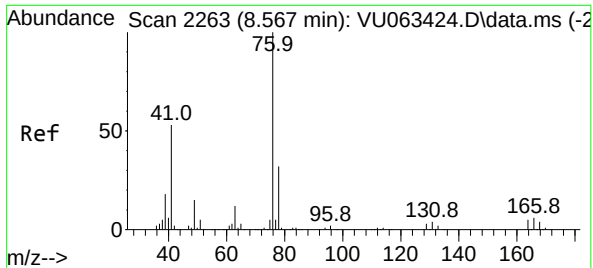
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#52
1,1,2-Trichloroethane
Concen: 9.393 ug/l
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 97 Resp: 131046
Ion Ratio Lower Upper
97 100
83 91.0 74.1 111.1
85 56.4 45.8 68.8
99 63.4 50.2 75.4





#53

1,3-Dichloropropane

Concen: 9.662 ug/l

RT: 8.569 min Scan# 21

Delta R.T. 0.002 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 23190

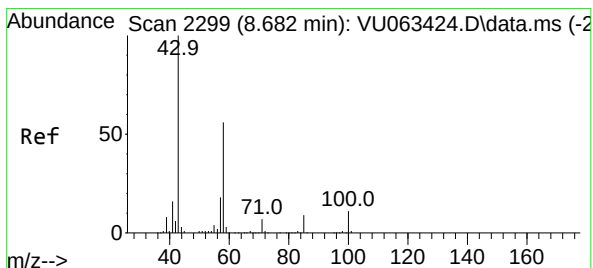
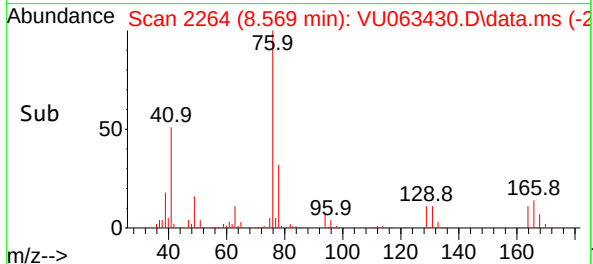
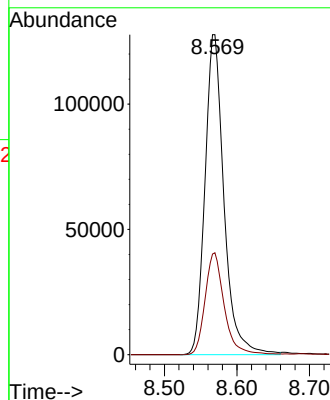
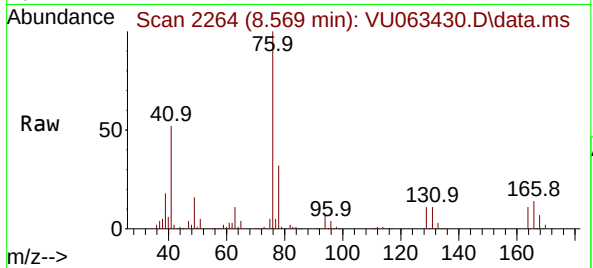
Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#54

2-Hexanone

Concen: 42.285 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

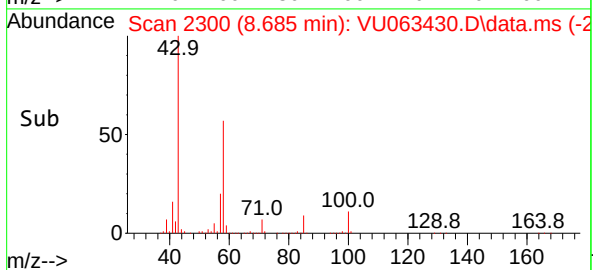
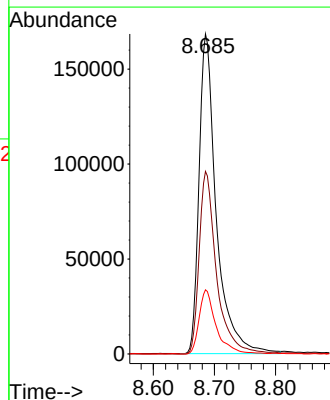
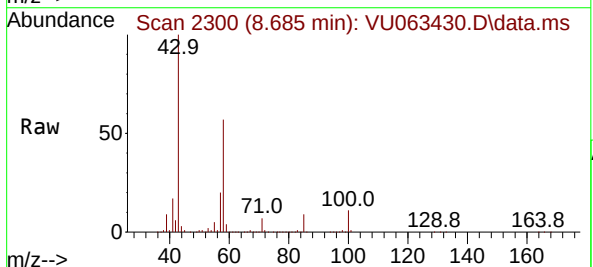
Tgt Ion: 43 Resp: 330410

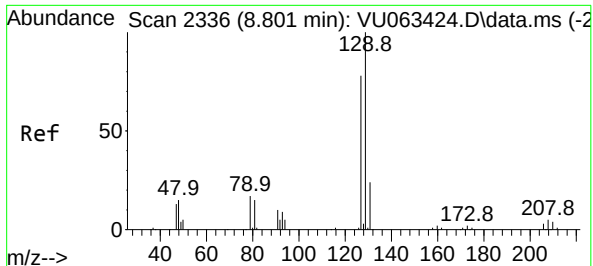
Ion Ratio Lower Upper

43 100

58 57.2 36.9 76.9

57 19.8 0.0 38.8





#55

Dibromochloromethane

Concen: 9.867 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:129 Resp: 142014

Ion Ratio Lower Upper

129 100

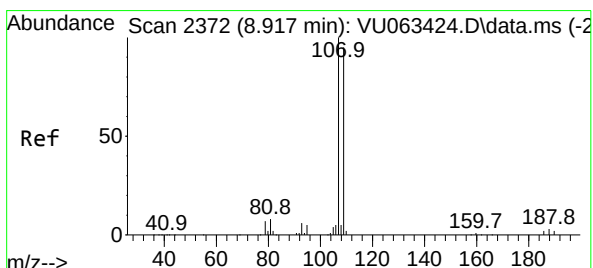
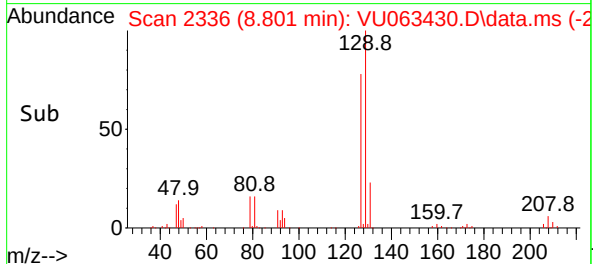
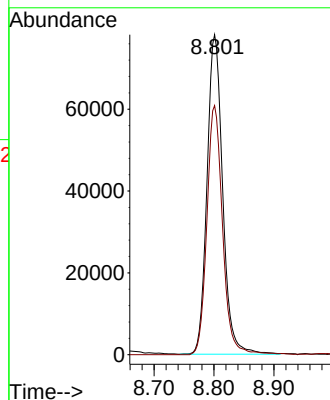
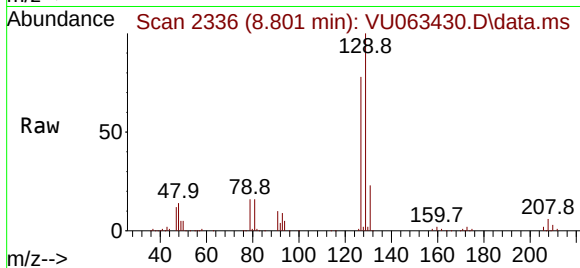
127 78.2 62.6 93.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#56

1,2-Dibromoethane

Concen: 9.441 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU063430.D

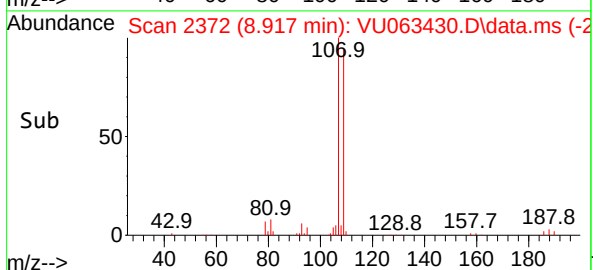
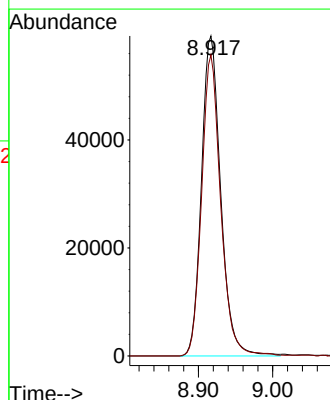
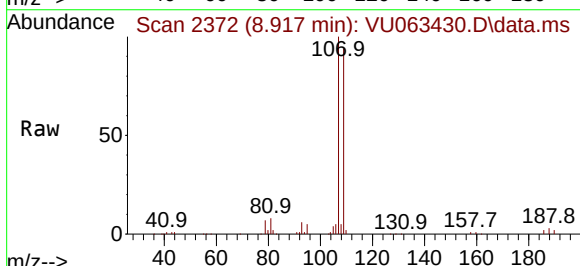
Acq: 24 Jun 2025 10:17

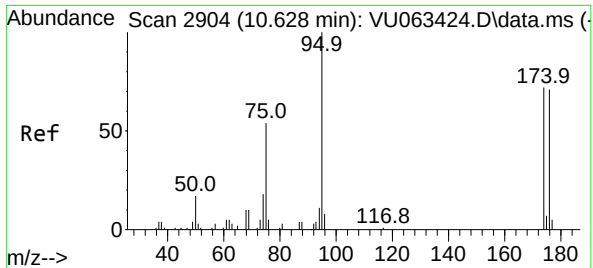
Tgt Ion:107 Resp: 106773

Ion Ratio Lower Upper

107 100

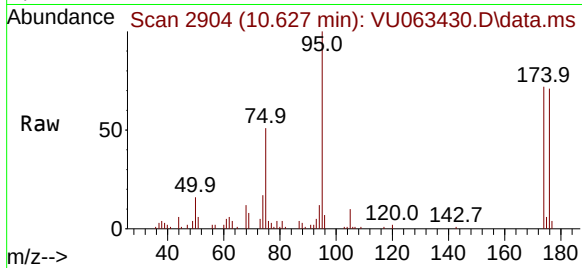
109 93.1 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 1.115 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

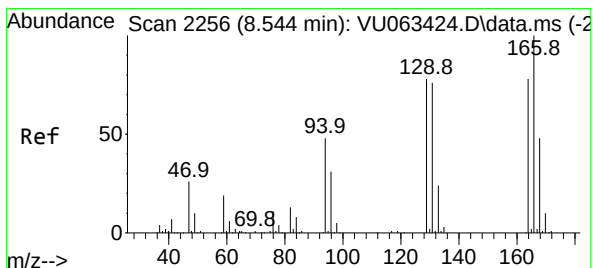
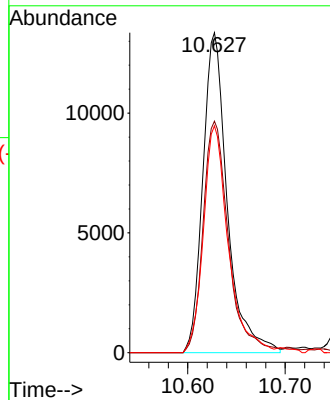
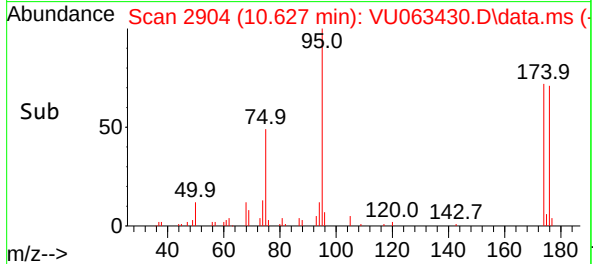
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion: 95 Resp: 23234
Ion Ratio Lower Upper
95 100
174 75.1 59.4 89.2
176 72.3 57.8 86.6

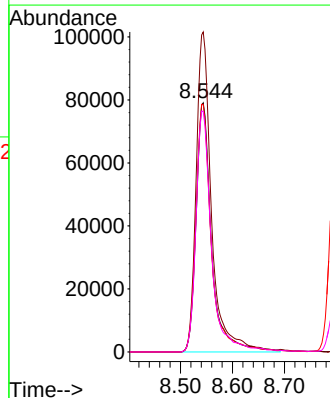
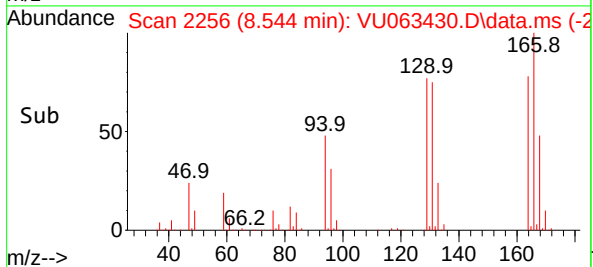
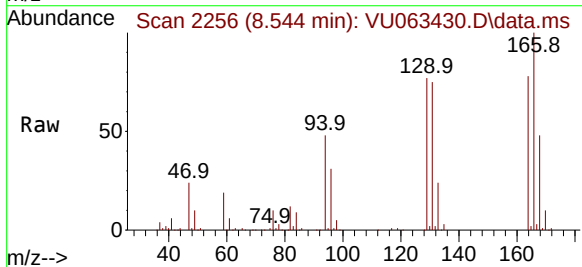
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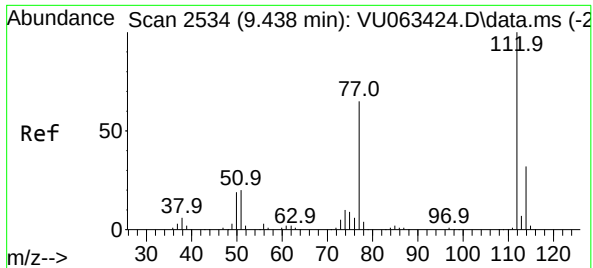
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#58
Tetrachloroethene
Concen: 9.563 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:164 Resp: 163986
Ion Ratio Lower Upper
164 100
166 128.4 102.8 154.2
129 99.5 80.2 120.2
131 96.6 77.9 116.9





#59

Chlorobenzene

Concen: 9.957 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:112 Resp: 43289

Ion Ratio Lower Upper

112 100

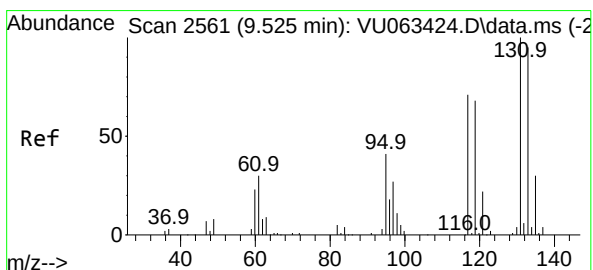
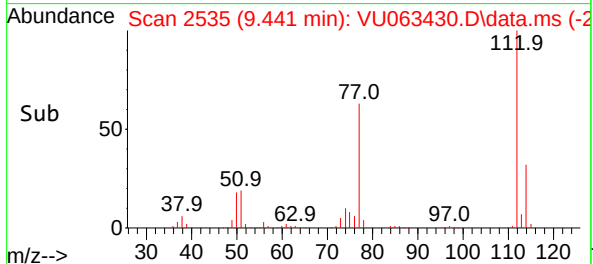
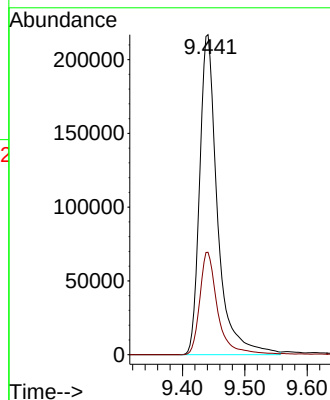
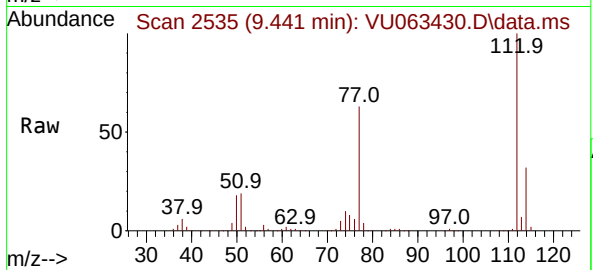
114 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 9.639 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.001 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

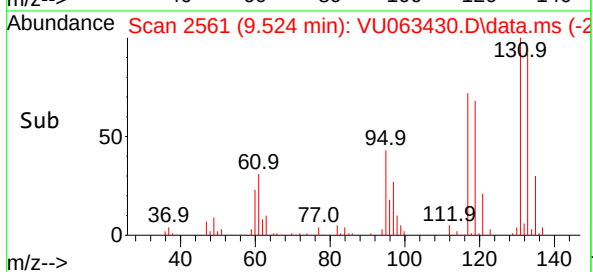
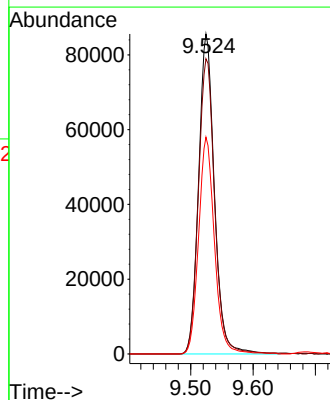
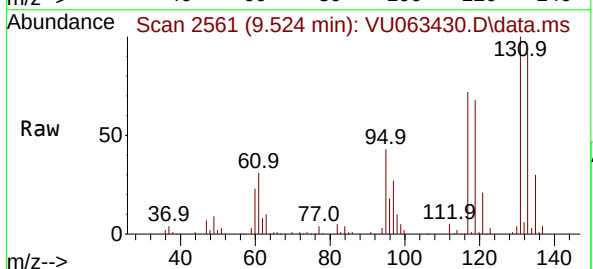
Tgt Ion:131 Resp: 150840

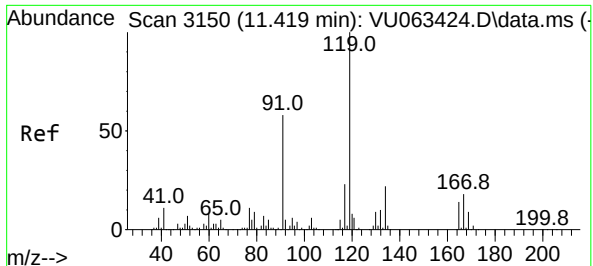
Ion Ratio Lower Upper

131 100

133 94.8 76.1 114.1

119 68.0 53.7 80.5





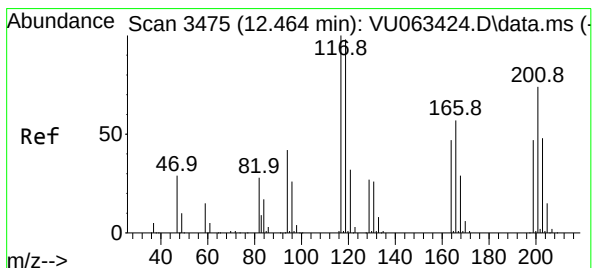
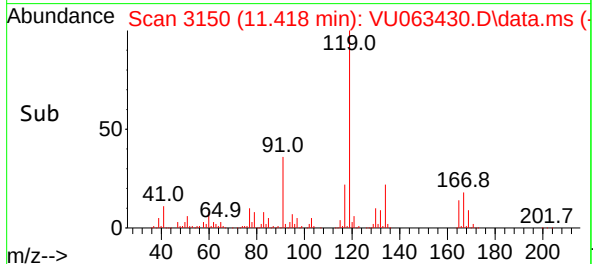
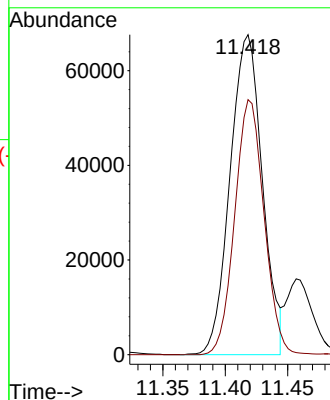
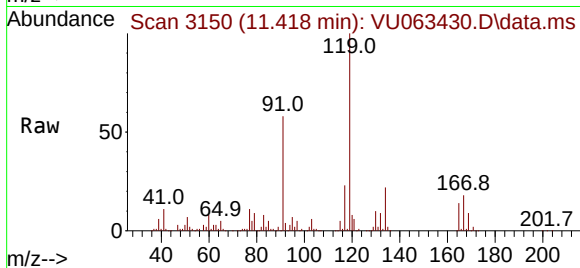
#61
Pentachloroethane
Concen: 9.550 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 121750
Ion Ratio Lower Upper
117 100
167 72.3 58.1 87.1

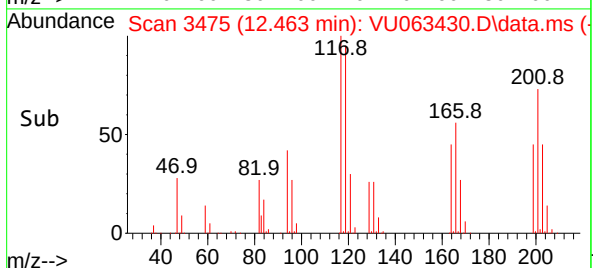
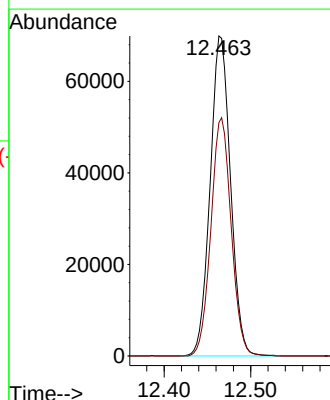
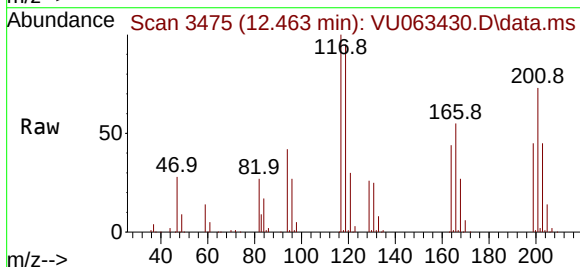
Manual Integrations
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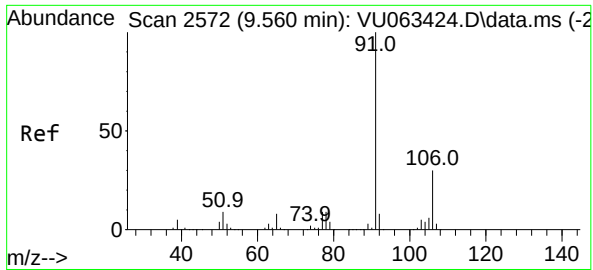
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 9.962 ug/l
RT: 12.463 min Scan# 3475
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:117 Resp: 114219
Ion Ratio Lower Upper
117 100
201 74.0 60.4 90.6





#63

Ethyl Benzene

Concen: 11.012 ug/l

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 76750

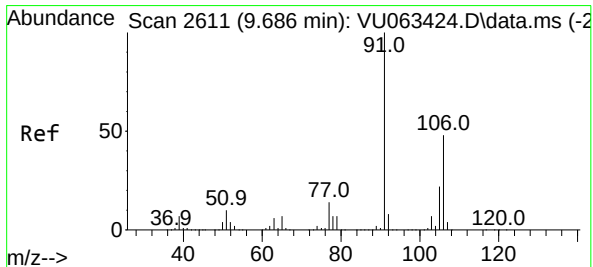
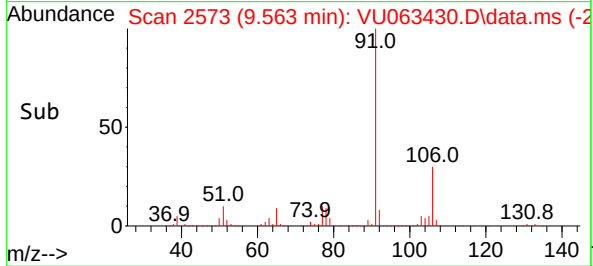
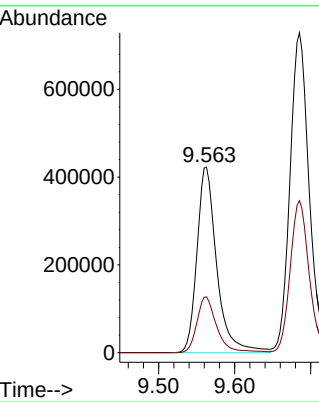
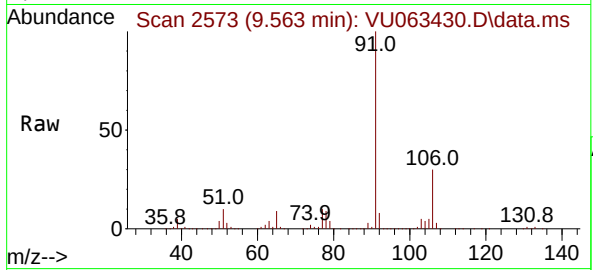
Ion Ratio Lower Upper

91 100

106 30.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#64

m/p-Xylenes

Concen: 18.844 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. -0.001 min

Lab File: VU063430.D

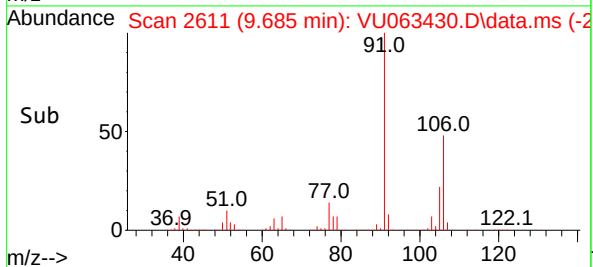
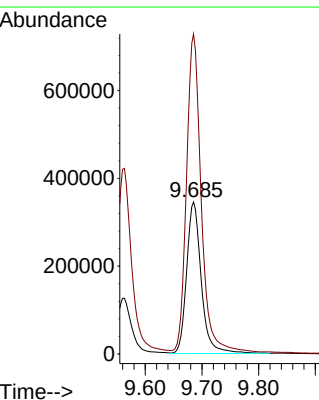
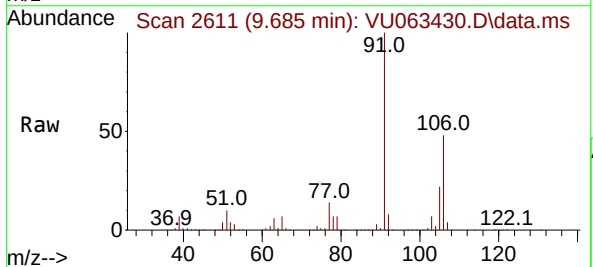
Acq: 24 Jun 2025 10:17

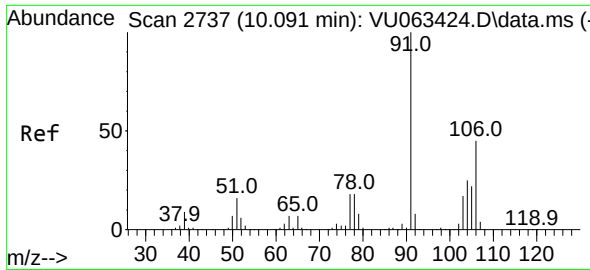
Tgt Ion:106 Resp: 619333

Ion Ratio Lower Upper

106 100

91 215.8 169.9 254.9





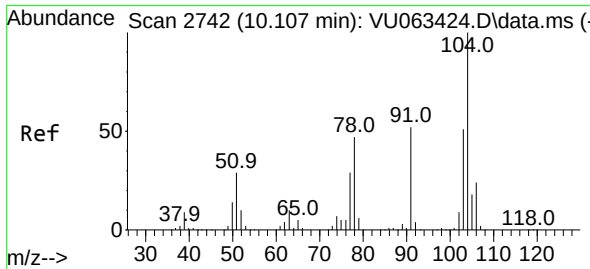
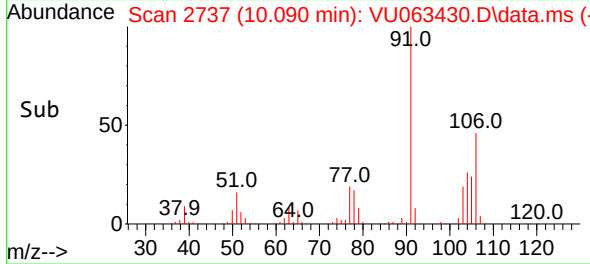
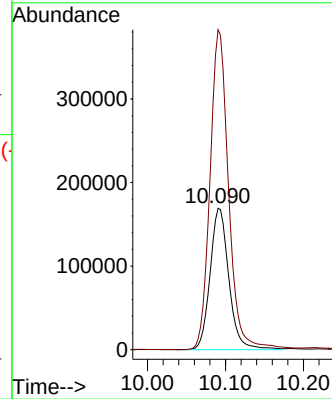
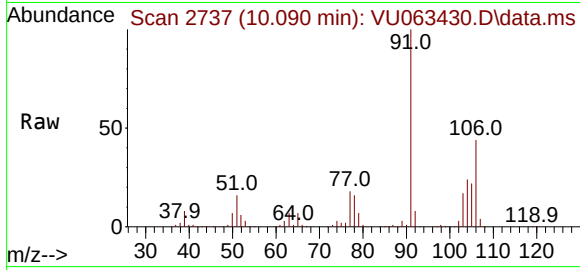
#65
o-Xylene
Concen: 10.727 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:106 Resp: 284030
Ion Ratio Lower Upper
106 100
91 223.6 110.8 332.3

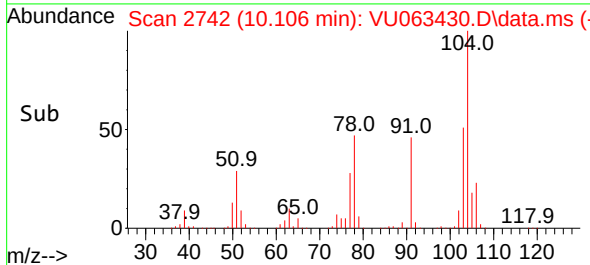
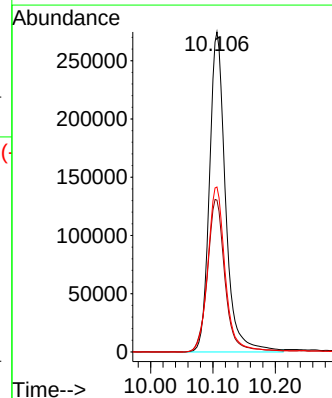
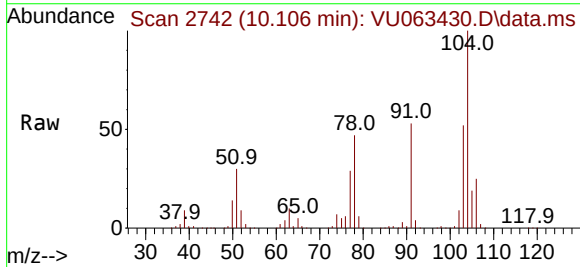
Manual Integrations
APPROVED

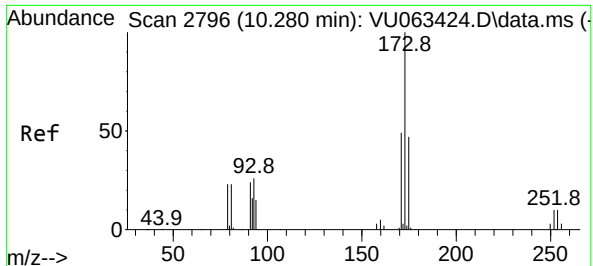
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 9.374 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:104 Resp: 494730
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 55.9 44.6 67.0





#67

Bromoform

Concen: 9.560 ug/l

RT: 10.283 min Scan# 2796

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

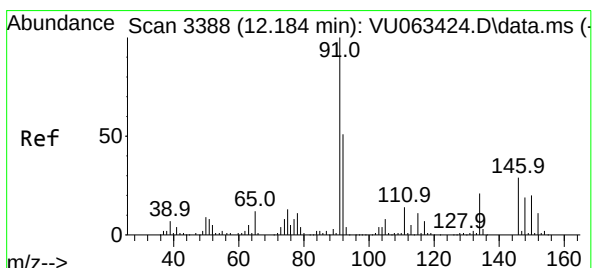
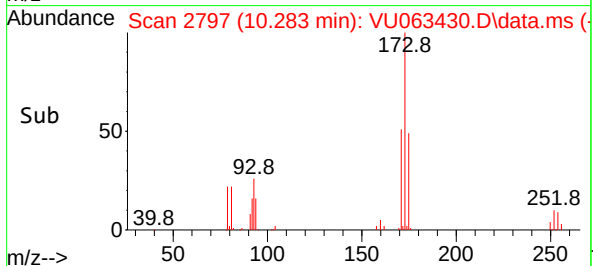
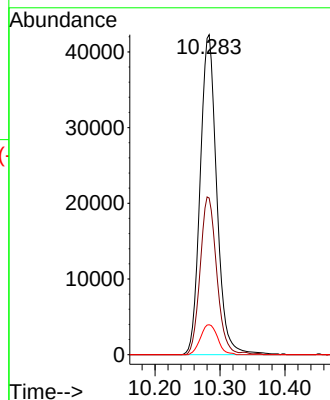
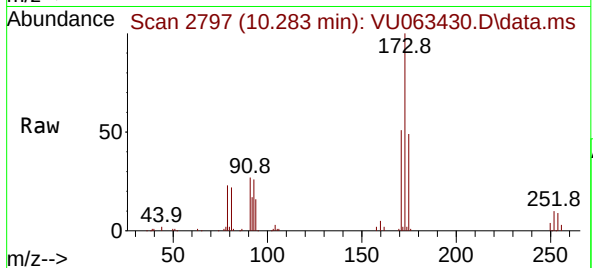
Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:	173	Resp:	7518
Ion Ratio	Lower	Upper	
173	100		
175	48.9	38.2	57.2
254	9.7	7.6	11.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#68

1,2-Dichlorobenzene-d4

Concen: 0.951 ug/l

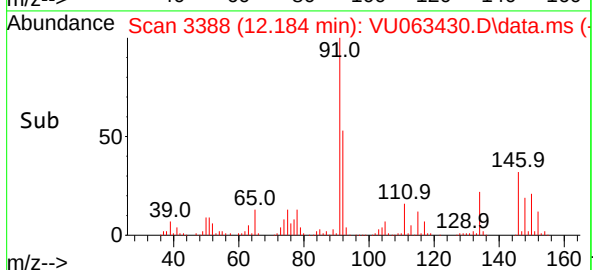
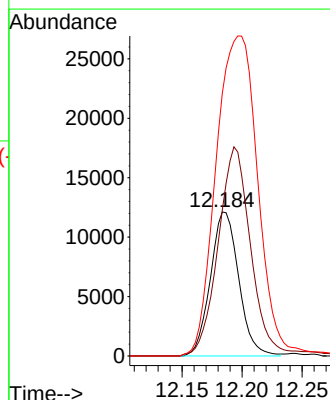
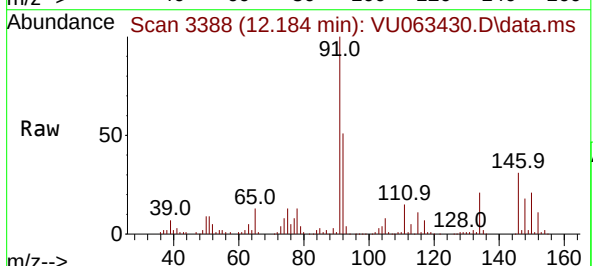
RT: 12.184 min Scan# 3388

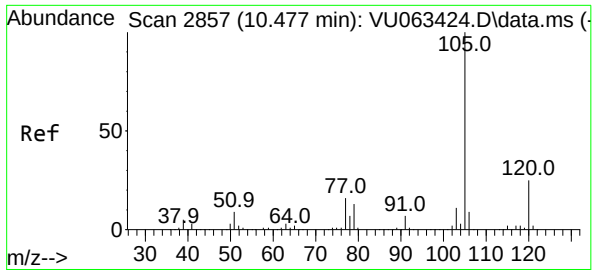
Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

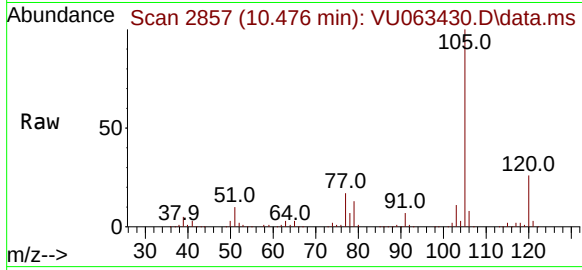
Tgt Ion:	152	Resp:	19905
Ion Ratio	Lower	Upper	
152	100		
115	169.0	0.0	327.6
150	329.3	0.0	664.4





#69
Isopropylbenzene
Concen: 10.872 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

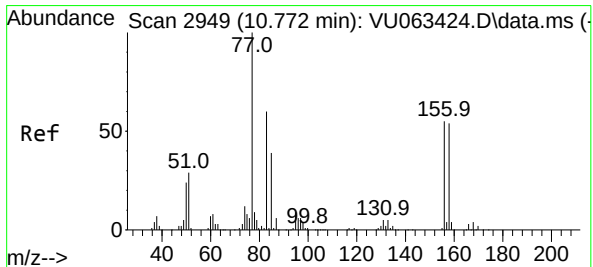
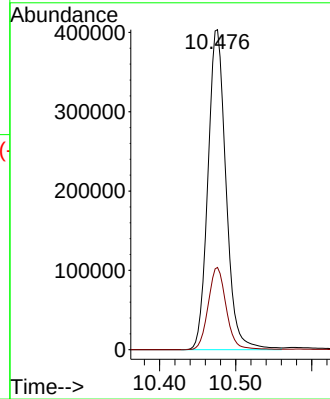
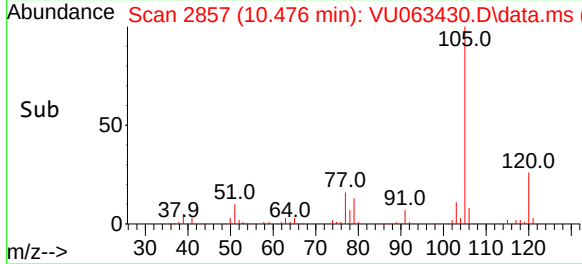
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion:105 Resp: 66694
Ion Ratio Lower Upper
105 100
120 25.7 12.7 38.1

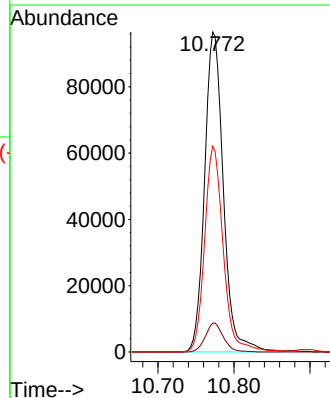
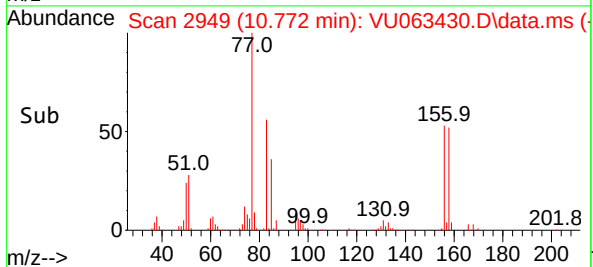
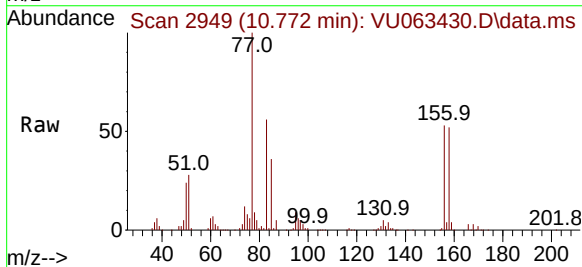
Manual Integrations
APPROVED

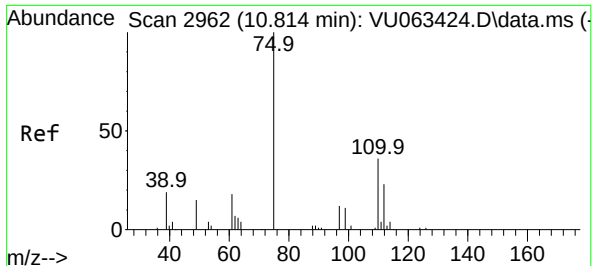
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 9.276 ug/l
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 83 Resp: 165534
Ion Ratio Lower Upper
83 100
131 8.7 7.4 11.0
85 63.6 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 9.682 ug/l m

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 14111

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 28.4 0.0 63.4

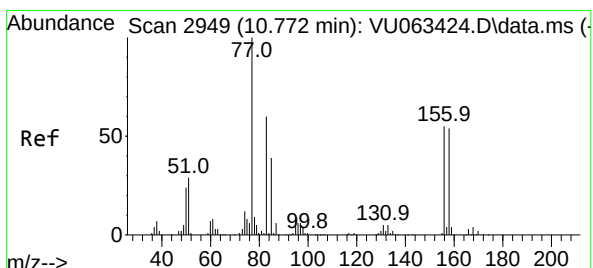
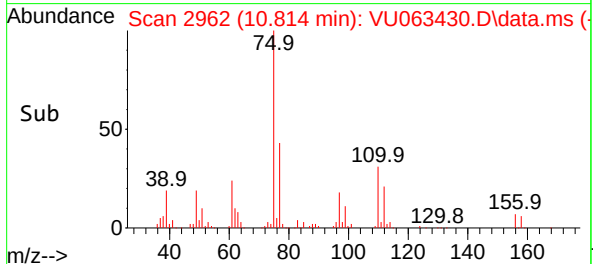
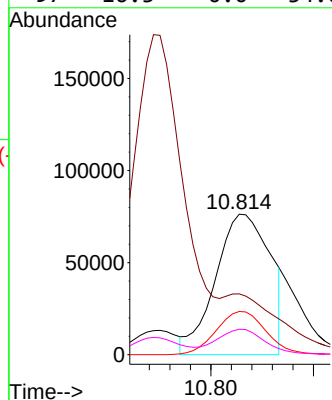
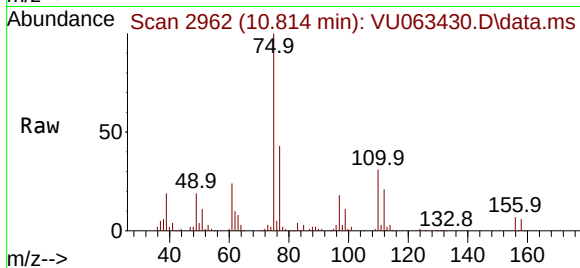
97 16.3 0.0 34.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 9.981 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

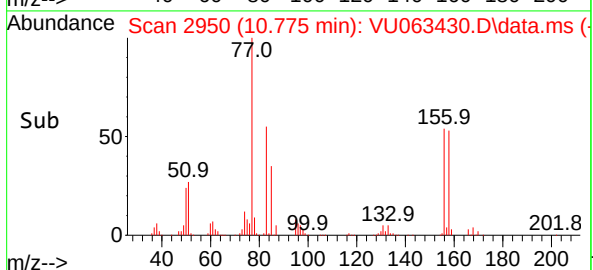
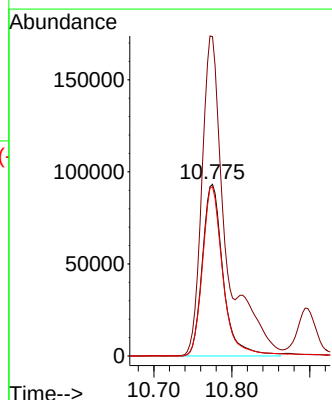
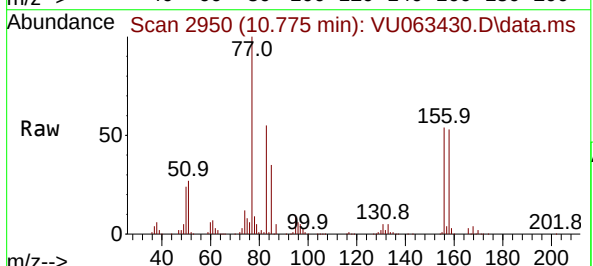
Tgt Ion:156 Resp: 171866

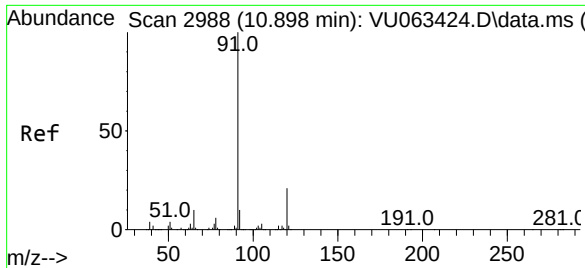
Ion Ratio Lower Upper

156 100

77 177.9 0.0 416.2

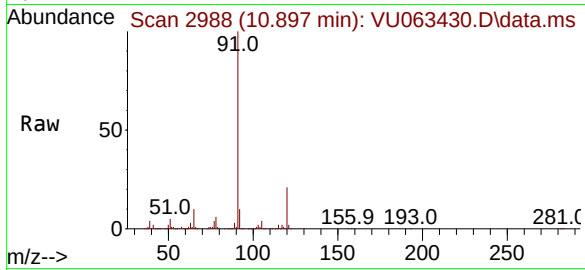
158 97.3 0.0 190.6





#73
n-propylbenzene
Concen: 9.209 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

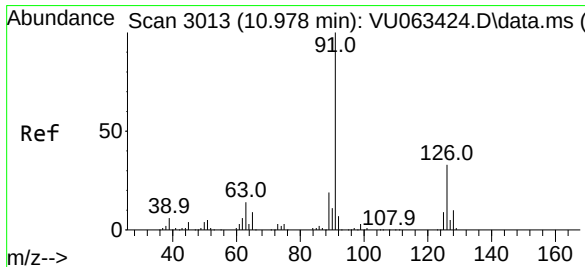
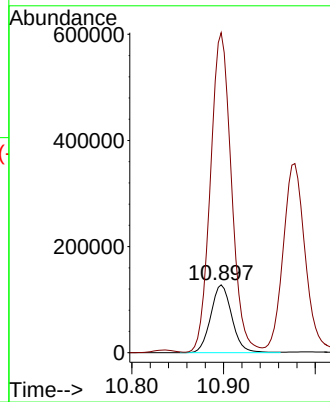
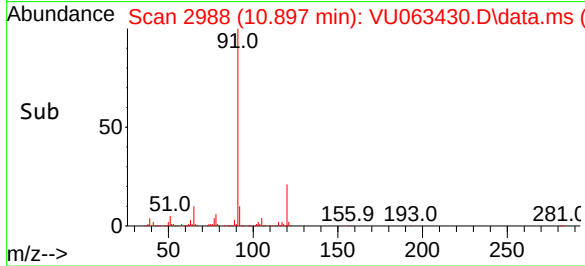
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion:120 Resp: 204149
Ion Ratio Lower Upper
120 100
91 468.3 373.7 560.5

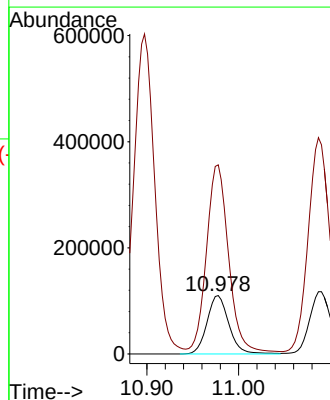
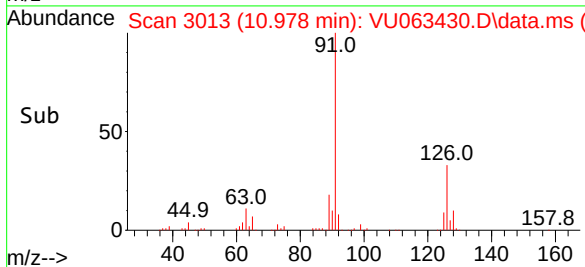
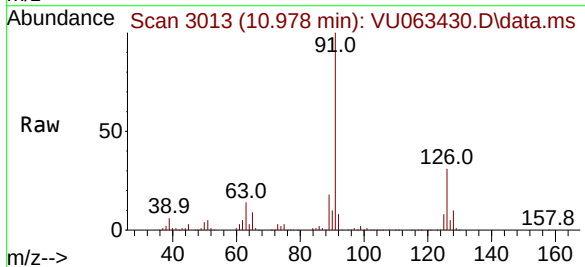
Manual Integrations
APPROVED

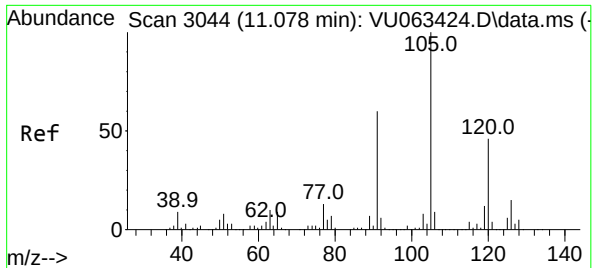
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 10.669 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:126 Resp: 181600
Ion Ratio Lower Upper
126 100
91 326.5 0.0 650.8





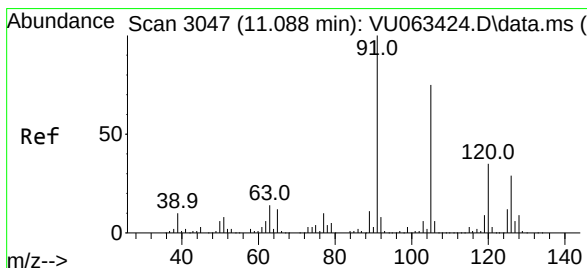
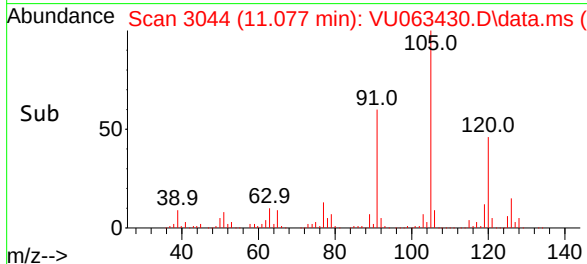
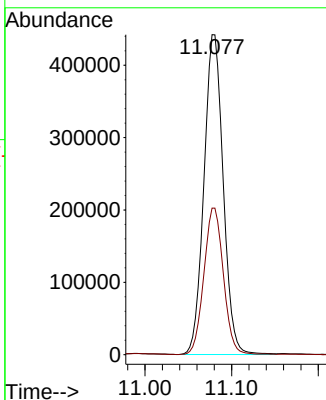
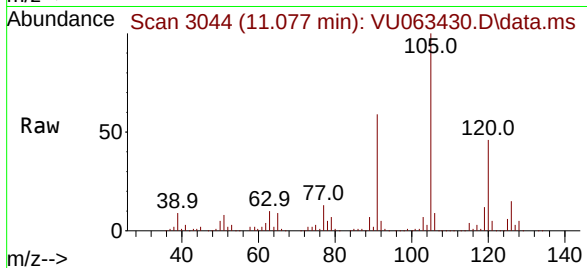
#75
1,3,5-Trimethylbenzene
Concen: 9.381 ug/l
RT: 11.077 min Scan# 3044
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 683249
Ion Ratio Lower Upper
105 100
120 46.2 37.0 55.4

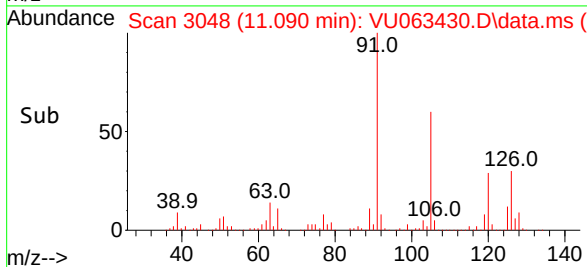
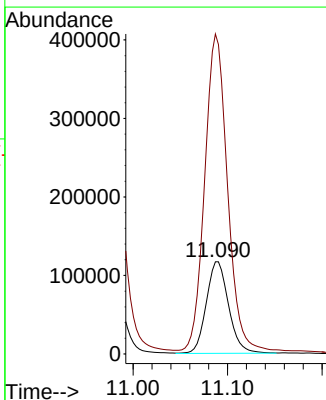
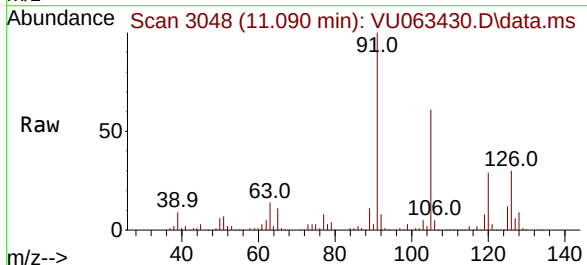
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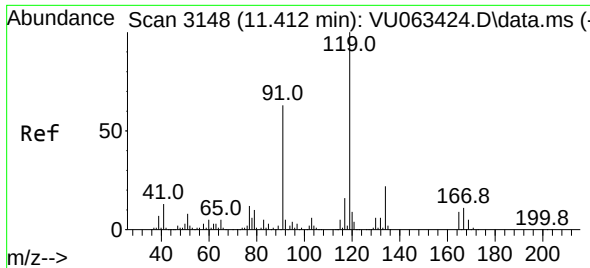
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#76
4-Chlorotoluene
Concen: 10.700 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.002 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:126 Resp: 190767
Ion Ratio Lower Upper
126 100
91 354.3 0.0 713.2





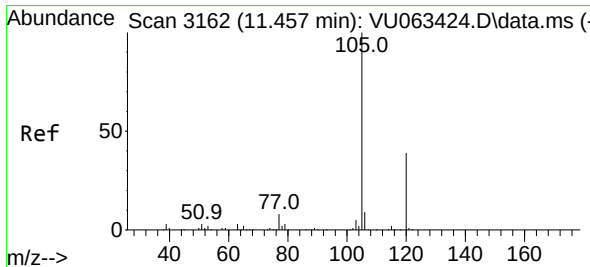
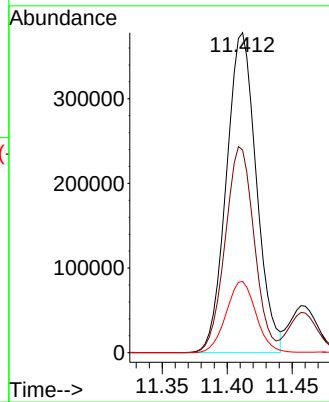
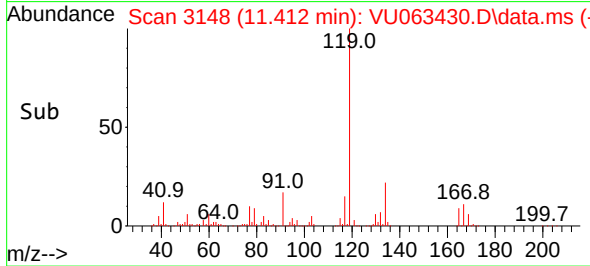
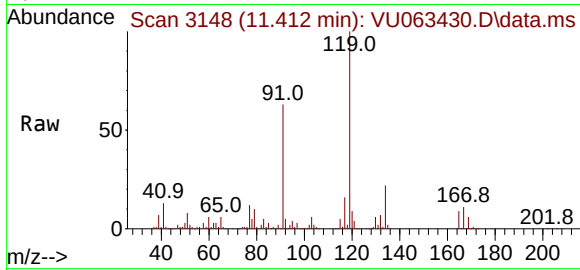
#77
tert-Butylbenzene
Concen: 10.784 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 607798
Ion Ratio Lower Upper
119 100
91 62.2 30.9 92.7
134 22.3 17.9 26.9

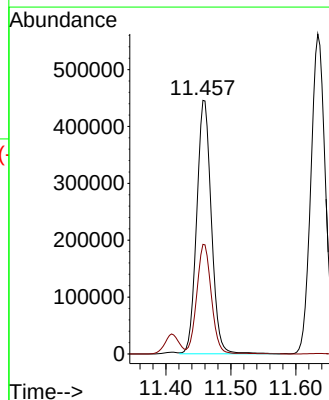
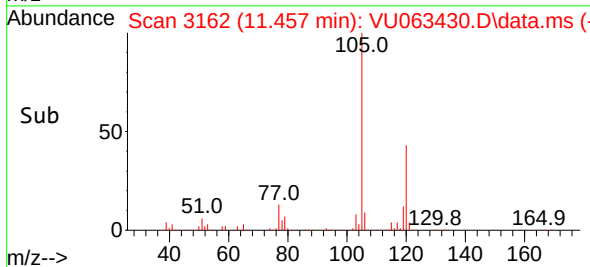
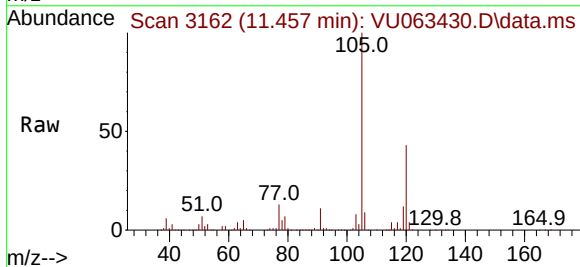
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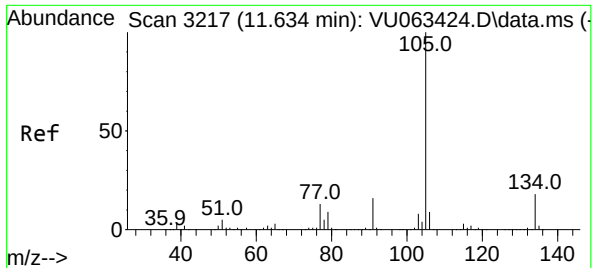
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#78
1,2,4-Trimethylbenzene
Concen: 9.453 ug/l
RT: 11.457 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion:105 Resp: 699732
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.5





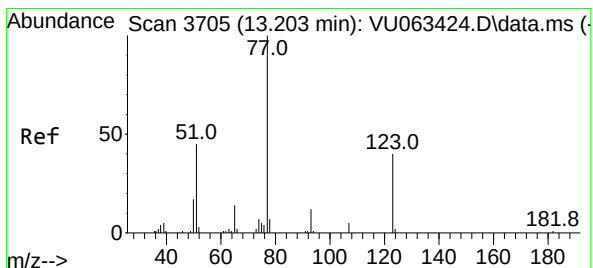
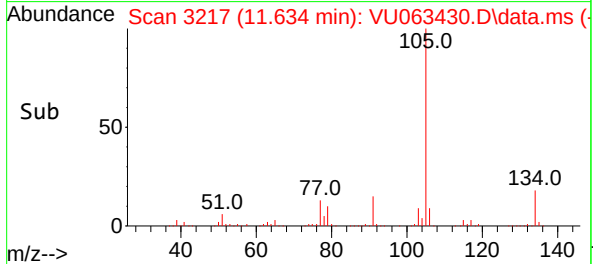
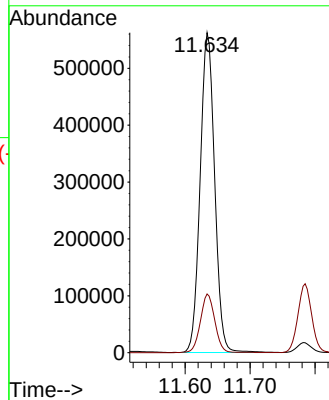
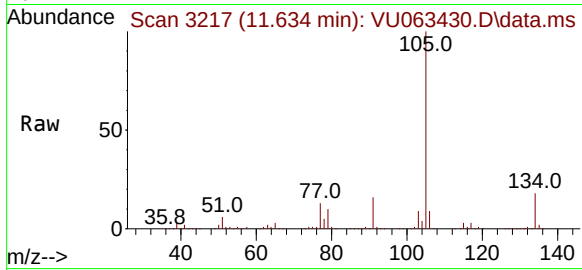
#79
 sec-Butylbenzene
 Concen: 10.957 ug/l
 RT: 11.634 min Scan# 3217
 Delta R.T. -0.000 min
 Lab File: VU063430.D
 Acq: 24 Jun 2025 10:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 874640
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.8 22.2

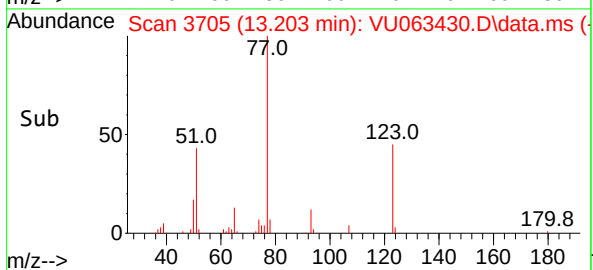
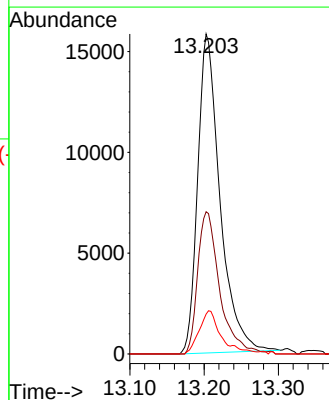
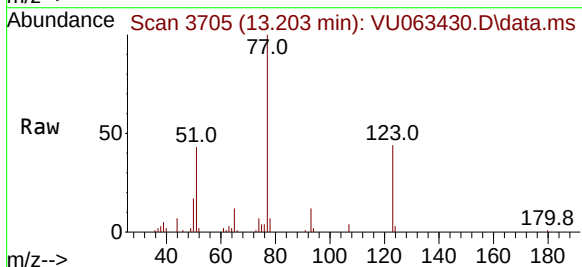
Manual Integrations
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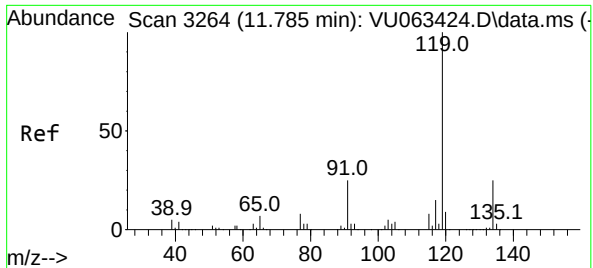
Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025



#80
 Nitrobenzene
 Concen: 39.666 ug/l
 RT: 13.203 min Scan# 3705
 Delta R.T. -0.000 min
 Lab File: VU063430.D
 Acq: 24 Jun 2025 10:17

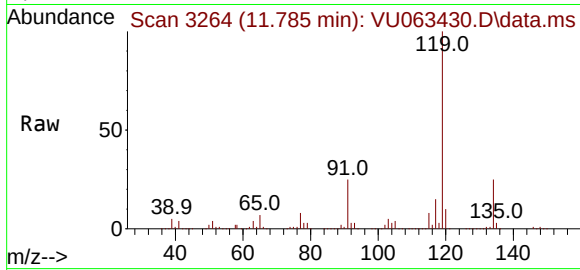
Tgt Ion: 77 Resp: 33056
 Ion Ratio Lower Upper
 77 100
 123 42.8 19.6 69.6
 65 12.4 10.6 13.4





#81
p-Isopropyltoluene
Concen: 9.324 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

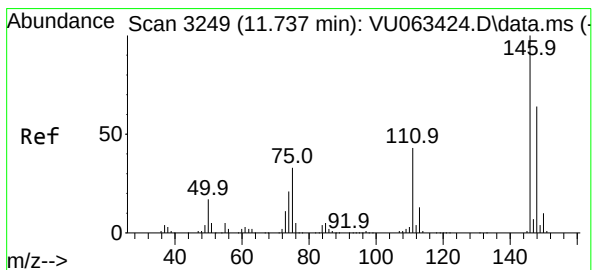
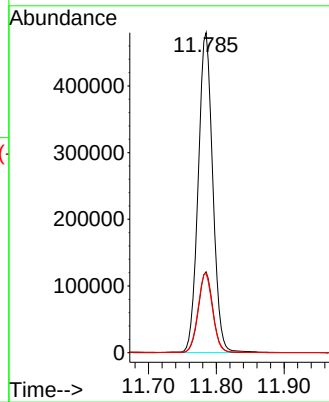
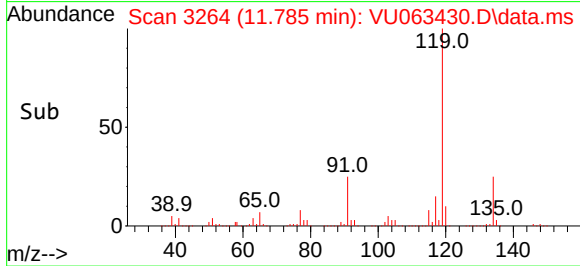
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



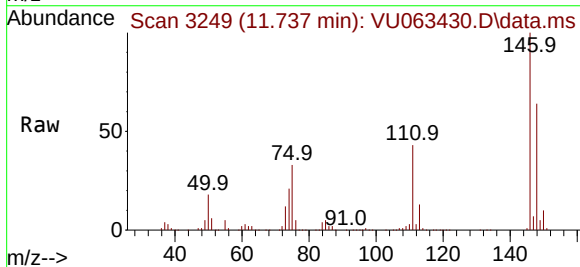
Tgt Ion:119 Resp: 713454
Ion Ratio Lower Upper
119 100
134 24.9 20.2 30.2
91 24.7 19.7 29.5

Manual Integrations
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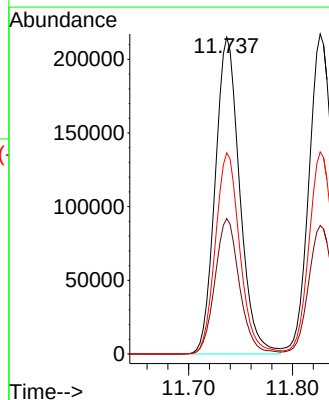
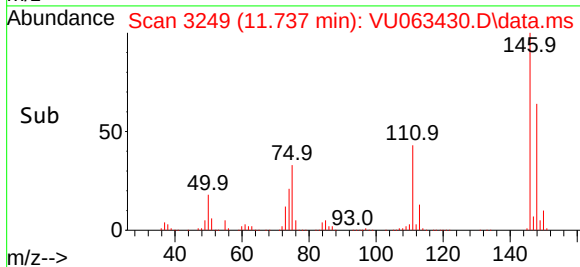
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

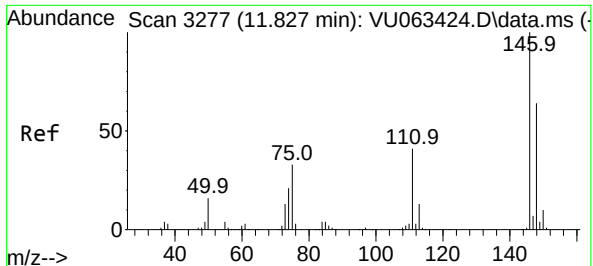


#82
1,3-Dichlorobenzene
Concen: 9.885 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17



Tgt Ion:146 Resp: 352597
Ion Ratio Lower Upper
146 100
111 42.7 34.3 51.5
148 63.5 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 9.960 ug/l

RT: 11.827 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 36861

Ion Ratio Lower Upper

146 100

111 38.3 31.7 47.5

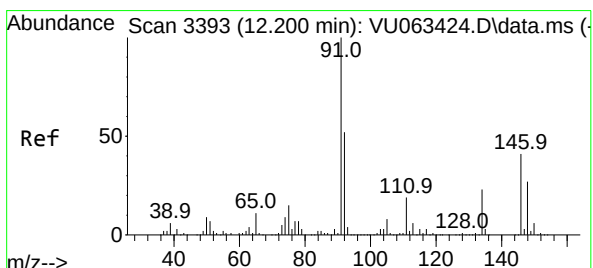
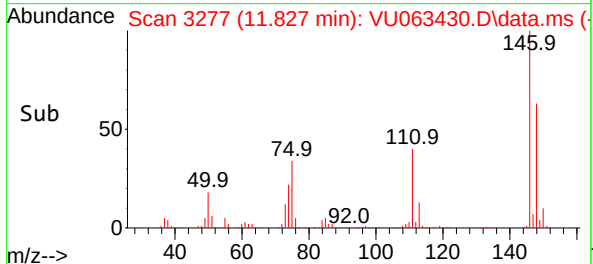
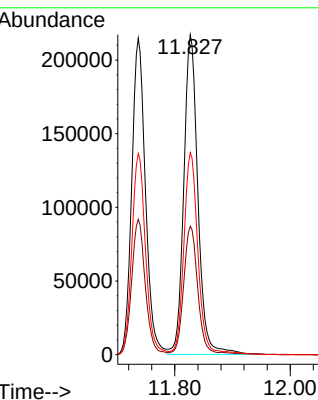
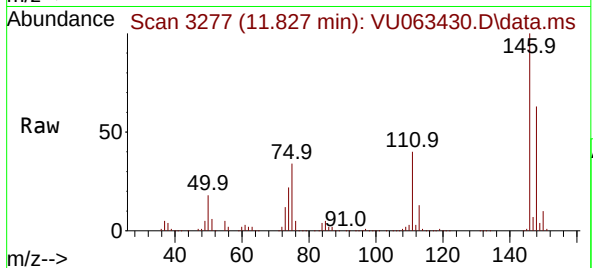
148 63.2 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 10.729 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

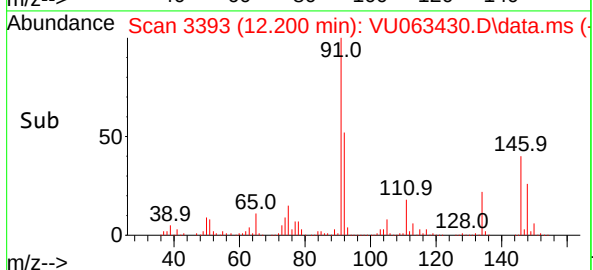
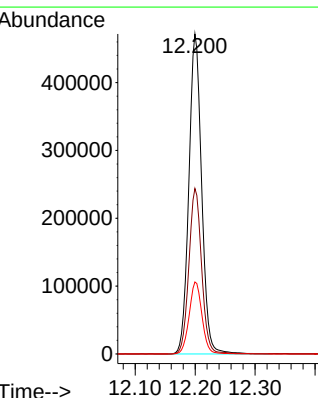
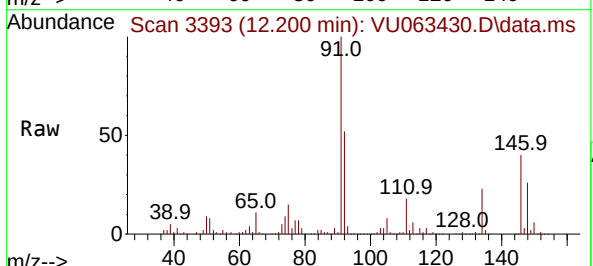
Tgt Ion: 91 Resp: 701045

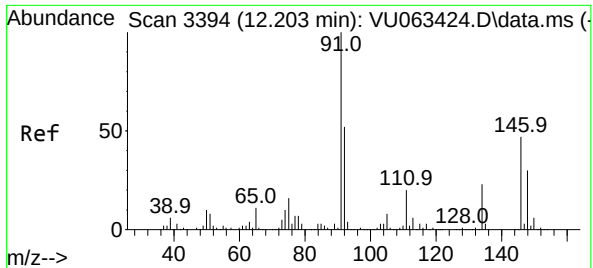
Ion Ratio Lower Upper

91 100

92 51.6 41.0 61.6

134 22.6 18.5 27.7





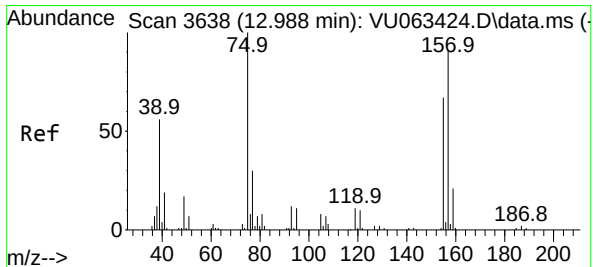
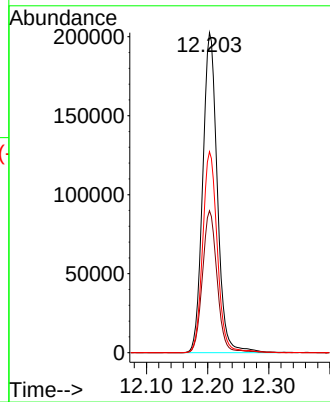
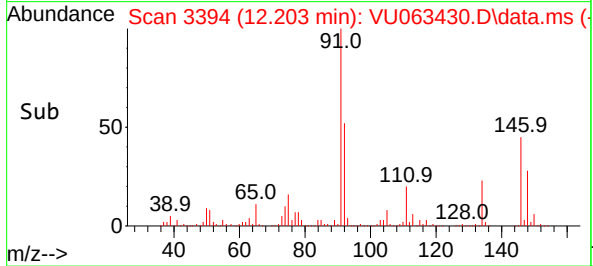
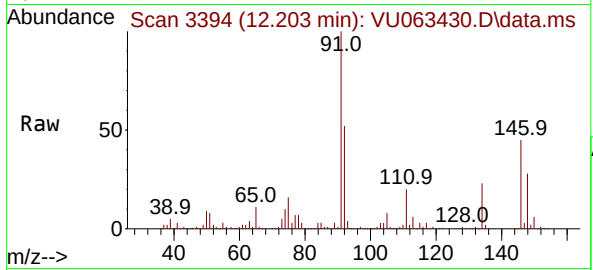
#85
1,2-Dichlorobenzene
Concen: 9.830 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. -0.000 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 33557
Ion Ratio Lower Upper
146 100
111 44.6 21.8 65.4
148 63.1 32.3 96.9

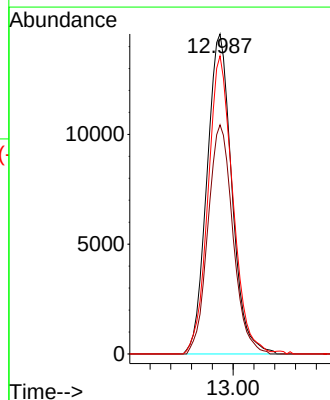
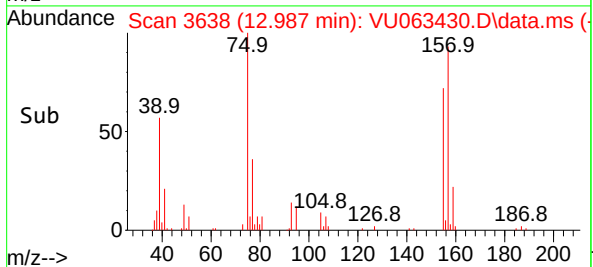
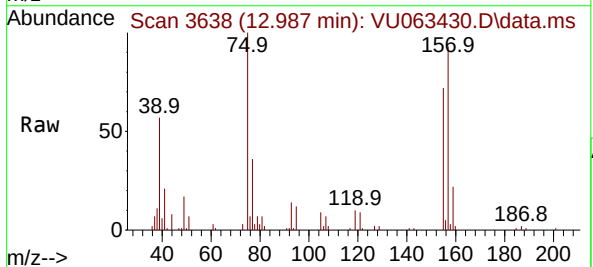
Manual Integrations
APPROVED

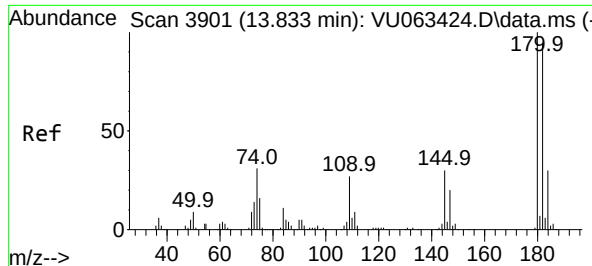
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 9.881 ug/l
RT: 12.987 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VU063430.D
Acq: 24 Jun 2025 10:17

Tgt Ion: 75 Resp: 24241
Ion Ratio Lower Upper
75 100
155 71.7 59.7 89.5
157 92.7 75.0 112.4





#87

1,2,4-Trichlorobenzene

Concen: 9.620 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 183090

Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

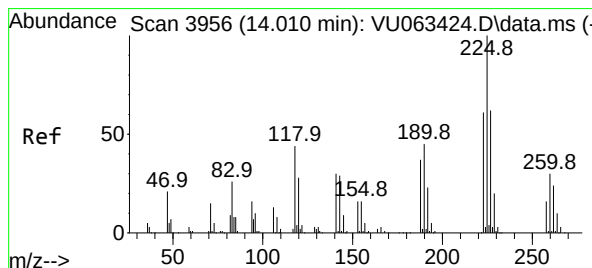
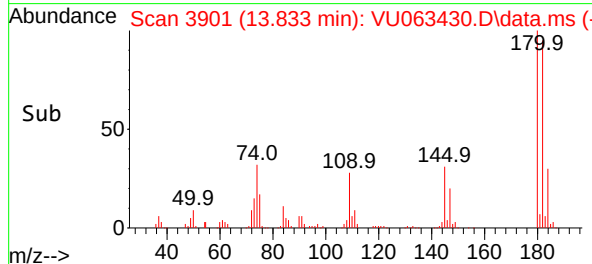
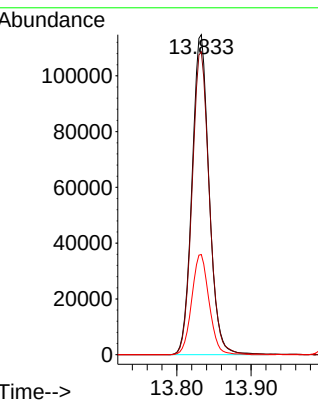
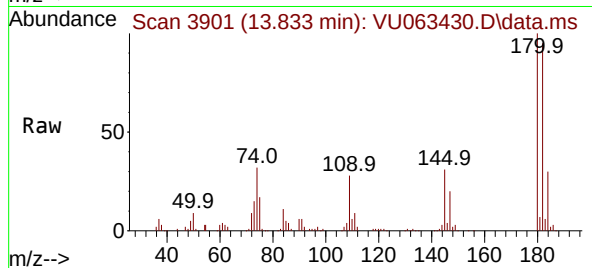
145 31.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

Concen: 9.580 ug/l

RT: 14.010 min Scan# 3956

Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17

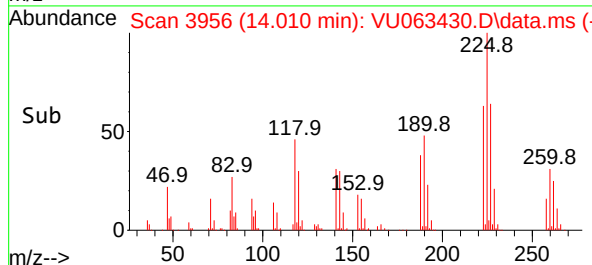
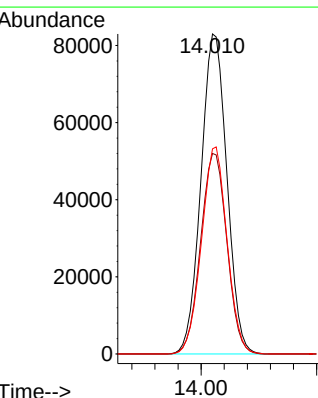
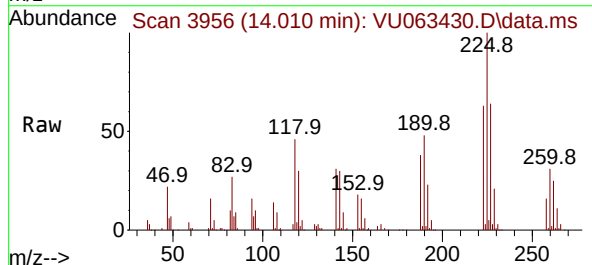
Tgt Ion:225 Resp: 129279

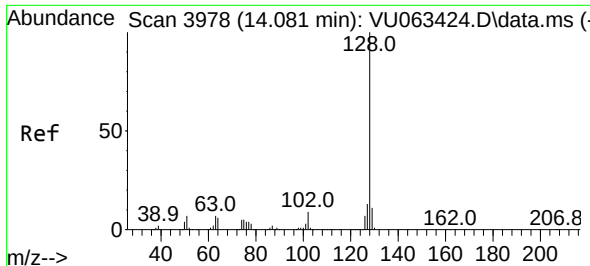
Ion Ratio Lower Upper

225 100

223 63.6 50.0 75.0

227 63.9 51.5 77.3





#89

Naphthalene

Concen: 7.773 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU063430.D

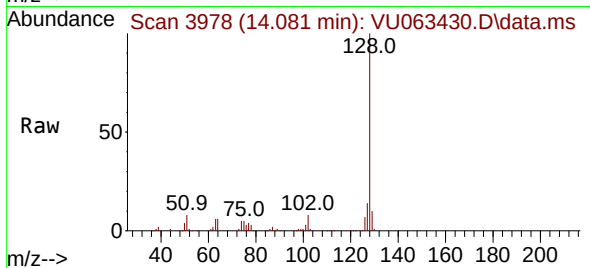
Acq: 24 Jun 2025 10:17

Instrument :

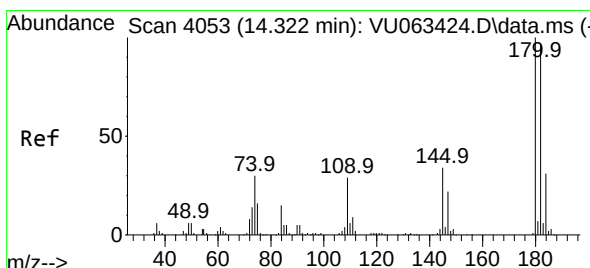
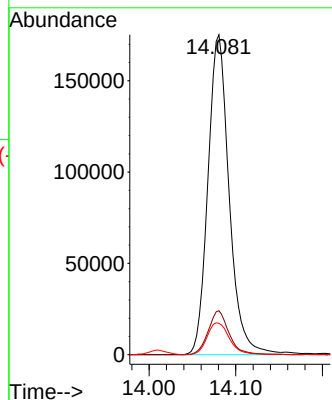
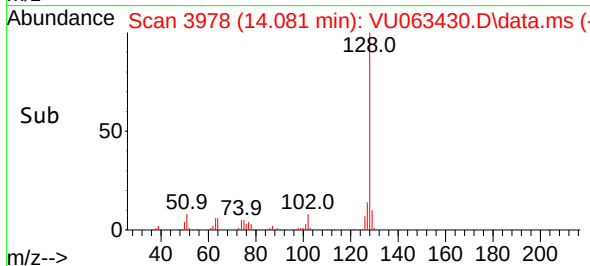
MSVOA_U

ClientSampleId :

VSTDCCC010



Tgt Ion:	128	Resp:	29814
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	10.5	8.7	13.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#90

1,2,3-Trichlorobenzene

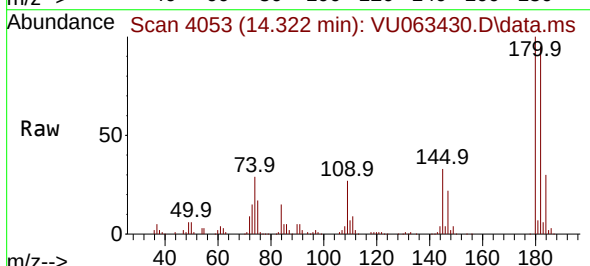
Concen: 9.620 ug/l

RT: 14.322 min Scan# 4053

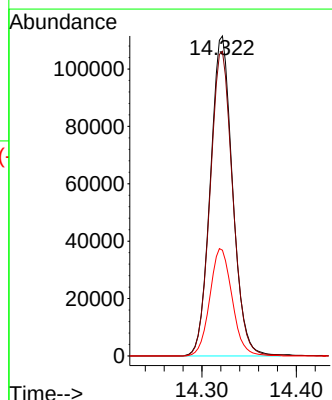
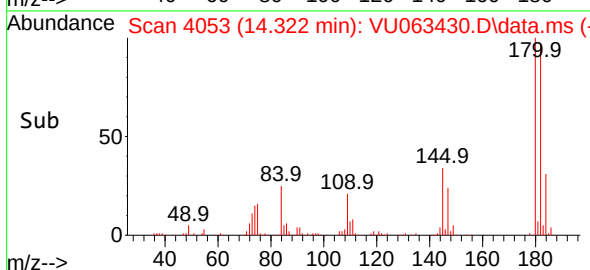
Delta R.T. -0.000 min

Lab File: VU063430.D

Acq: 24 Jun 2025 10:17



Tgt Ion:	180	Resp:	182064
Ion Ratio	Lower	Upper	
180	100		
182	96.7	76.7	115.1
145	33.7	27.4	41.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063430.D
Acq On : 24 Jun 2025 10:17
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
LabSampleId :
VSTDCCC010

Quant Time: Jun 25 06:21:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	0.384	0.347	9.6	96	0.00
3 t	Chloromethane	0.506	0.382	24.5	85	0.00
4 Rt	Vinyl Chloride	0.433	0.334	22.9	82	0.00
5 T	Bromomethane	0.208	0.167	19.7	91	0.00
6 T	Chloroethane	0.257	0.175	31.9#	73	0.00
7 T	Trichlorofluoromethane	0.494	0.399	19.2	86	0.00
8	1,1,2-Trichloro-1,2,2-trifl	0.263	0.209	20.5	85	0.00
9 Rt	1,1-Dichloroethene	0.263	0.210	20.2	85	0.00
10 t	Iodomethane	0.212	0.240	-13.2	106	0.00
11 t	Allyl Chloride	0.468	0.301	35.7#	68	0.00
12 t	Acrylonitrile	0.076	0.059	22.4	84	0.00
13 T	Acetone	0.076	0.035	53.9#	54	0.00
14 T	Carbon Disulfide	0.916	0.681	25.7	80	0.00
15 RT	Methylene Chloride	0.333	0.254	23.7	84	0.00
16 RT	trans-1,2-Dichloroethene	0.295	0.258	12.5	94	0.00
17 t	1,1-Dichloroethane	0.620	0.590	4.8	102	0.00
18 T	2-Butanone	0.106	0.088	17.0	90	0.00
19	Cyclohexane	0.469	0.469	0.0	105	0.00
20	Methylcyclohexane	0.436	0.430	1.4	93	0.00
21 T	2,2-Dichloropropane	0.441	0.408	7.5	100	0.00
22 RT	cis-1,2-Dichloroethene	0.322	0.302	6.2	102	0.00
23 t	Diethyl Ether	0.237	0.157	33.8#	70	0.00
24 t	tert-Butyl Alcohol	0.025	0.019	24.0	80	0.00
25 t	Methyl tert-Butyl Ether	0.714	0.623	12.7	91	0.00
26 t	Bromochloromethane	0.126	0.116	7.9	98	0.00
27 t	Chloroform	0.582	0.538	7.6	100	0.00
28 RT	1,1,1-Trichloroethane	0.472	0.449	4.9	98	0.00
29 T	1,1-Dichloropropene	0.431	0.416	3.5	100	0.00
30 RT	Carbon Tetrachloride	0.377	0.366	2.9	99	0.00
31 t	Isopropyl Ether	0.969	0.916	5.5	99	0.00
32	Ethyl-t-butyl ether	0.821	0.774	5.7	99	0.00
33	Tert-Amyl methyl ether	0.588	0.594	-1.0	100	0.00
34 t	Propionitrile	0.031	0.027	12.9	102	0.00
35 RT	Benzene	1.303	1.270	2.5	100	0.00
36 RT	1,2-Dichloroethane	0.381	0.350	8.1	96	0.00
37 RT	Trichloroethene	0.308	0.291	5.5	98	0.00
38 Rt	1,2-Dichloropropane	0.360	0.358	0.6	101	0.00
39 t	Methacrylonitrile	0.127	0.111	12.6	94	0.00
40 t	Methyl acrylate	0.179	0.159	11.2	85	0.00
41 t	Tetrahydrofuran	0.069	0.059	14.5	98	0.00
42 t	1-Chlorobutane	0.611	0.596	2.5	101	0.00
43 T	Dibromomethane	0.168	0.161	4.2	100	0.00
44 T	Bromodichloromethane	0.410	0.388	5.4	100	0.00
45 T	4-Methyl-2-Pentanone	0.180	0.178	1.1	94	0.00
46 t	t-1,4-Dichloro-2-butene	0.059	0.047	20.3	89	0.00
47 t	Methyl methacrylate	0.130	0.142	-9.2	97	0.00
48 t	Ethyl methacrylate	0.233	0.258	-10.7	98	0.00
49 Rt	Toluene	0.715	0.757	-5.9	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063430.D
Acq On : 24 Jun 2025 10:17
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
LabSampleId :
VSTDCCC010

Quant Time: Jun 25 06:21:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	0.295	0.327	-10.8	104	0.00
51 T	cis-1,3-Dichloropropene	0.397	0.419	-5.5	101	0.00
52 RT	1,1,2-Trichloroethane	0.246	0.231	6.1	98	0.00
53 t	1,3-Dichloropropane	0.423	0.409	3.3	98	0.00
54 t	2-Hexanone	0.121	0.116	4.1	90	0.00
55 t	Dibromochloromethane	0.254	0.250	1.6	100	0.00
56 T	1,2-Dibromoethane	0.199	0.188	5.5	100	0.00
57 S	4-Bromofluorobenzene	0.367	0.409	-11.4	105	0.00
58 RT	Tetrachloroethene	0.302	0.289	4.3	97	0.00
59 Rt	Chlorobenzene	0.766	0.763	0.4	99	0.00
60 T	1,1,1,2-Tetrachloroethane	0.276	0.266	3.6	100	0.00
61 t	Pentachloroethane	0.225	0.214	4.9	103	0.00
62 t	Hexachloroethane	0.202	0.201	0.5	103	0.00
63 Rt	Ethyl Benzene	1.228	1.352	-10.1	101	0.00
64 RT	m/p-Xylenes	0.479	0.546	-14.0	101	0.00
65 RT	o-Xylene	0.466	0.500	-7.3	99	0.00
66 RT	Styrene	0.759	0.872	-14.9	101	0.00
67 t	Bromoform	0.139	0.132	5.0	97	0.00
68 S	1,2-Dichlorobenzene-d4	0.369	0.351	4.9	96	0.00
69 T	Isopropylbenzene	1.081	1.175	-8.7	100	0.00
70 T	1,1,2,2-Tetrachloroethane	0.314	0.292	7.0	98	0.00
71 T	1,2,3-Trichloropropane	0.257	0.249	3.1	113	0.00
72 t	Bromobenzene	0.303	0.303	0.0	98	0.00
73 t	n-propylbenzene	0.328	0.360	-9.8	100	0.00
74 t	2-Chlorotoluene	0.300	0.320	-6.7	100	0.00
75 t	1,3,5-Trimethylbenzene	1.051	1.204	-14.6	100	0.00
76 t	4-Chlorotoluene	0.314	0.336	-7.0	102	0.00
77 t	tert-Butylbenzene	0.993	1.071	-7.9	100	0.00
78 t	1,2,4-Trimethylbenzene	1.058	1.233	-16.5	102	0.00
79 t	sec-Butylbenzene	1.406	1.541	-9.6	101	0.00
80	Nitrobenzene	0.014	0.012	14.3	90	0.00
81 t	p-Isopropyltoluene	1.099	1.257	-14.4	100	0.00
82 t	1,3-Dichlorobenzene	0.628	0.621	1.1	99	0.00
83 Rt	1,4-Dichlorobenzene	0.652	0.649	0.5	100	0.00
84 t	n-Butylbenzene	1.151	1.235	-7.3	98	0.00
85 Rt	1,2-Dichlorobenzene	0.601	0.591	1.7	98	0.00
86 t	1,2-Dibromo-3-Chloropropane	0.043	0.043	0.0	96	0.00
87 Rt	1,2,4-Trichlorobenzene	0.335	0.323	3.6	94	0.00
88 t	Hexachlorobutadiene	0.238	0.228	4.2	98	0.00
89 t	Naphthalene	0.558	0.525	5.9	85	0.00
90 t	1,2,3-Trichlorobenzene	0.333	0.321	3.6	93	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063430.D
Acq On : 24 Jun 2025 10:17
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
LabSampleId :
VSTDCCC010

Quant Time: Jun 25 06:21:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	10.000	9.029	9.7	96	0.00
3 t	Chloromethane	10.000	7.542	24.6	85	0.00
4 Rt	Vinyl Chloride	10.000	7.706	22.9	82	0.00
5 T	Bromomethane	10.000	8.043	19.6	91	0.00
6 T	Chloroethane	10.000	6.821	31.8#	73	0.00
7 T	Trichlorofluoromethane	10.000	8.083	19.2	86	0.00
8	1,1,2-Trichloro-1,2,2-trifl	10.000	7.926	20.7	85	0.00
9 Rt	1,1-Dichloroethene	10.000	7.991	20.1	85	0.00
10 t	Iodomethane	10.000	11.326	-13.3	106	0.00
11 t	Allyl Chloride	10.000	6.438	35.6#	68	0.00
12 t	Acrylonitrile	20.000	15.516	22.4	84	0.00
13 T	Acetone	50.000	26.365	47.3#	54	0.00
14 T	Carbon Disulfide	10.000	7.434	25.7	80	0.00
15 RT	Methylene Chloride	10.000	7.623	23.8	84	0.00
16 RT	trans-1,2-Dichloroethene	10.000	8.734	12.7	94	0.00
17 t	1,1-Dichloroethane	10.000	9.517	4.8	102	0.00
18 T	2-Butanone	50.000	41.697	16.6	90	0.00
19	Cyclohexane	10.000	10.004	-0.0	105	0.00
20	Methylcyclohexane	10.000	9.867	1.3	93	0.00
21 T	2,2-Dichloropropane	10.000	9.245	7.6	100	0.00
22 RT	cis-1,2-Dichloroethene	10.000	9.369	6.3	102	0.00
23 t	Diethyl Ether	10.000	6.628	33.7#	70	0.00
24 t	tert-Butyl Alcohol	100.000	77.795	22.2	80	0.00
25 t	Methyl tert-Butyl Ether	10.000	8.718	12.8	91	0.00
26 t	Bromochloromethane	10.000	9.233	7.7	98	0.00
27 t	Chloroform	10.000	9.247	7.5	100	0.00
28 RT	1,1,1-Trichloroethane	10.000	9.518	4.8	98	0.00
29 T	1,1-Dichloropropene	10.000	9.662	3.4	100	0.00
30 RT	Carbon Tetrachloride	10.000	9.711	2.9	99	0.00
31 t	Isopropyl Ether	10.000	9.451	5.5	99	0.00
32	Ethyl-t-butyl ether	10.000	9.429	5.7	99	0.00
33	Tert-Amyl methyl ether	10.000	10.096	-1.0	100	0.00
34 t	Propionitrile	50.000	44.782	10.4	102	0.00
35 RT	Benzene	10.000	9.749	2.5	100	0.00
36 RT	1,2-Dichloroethane	10.000	9.175	8.2	96	0.00
37 RT	Trichloroethene	10.000	9.460	5.4	98	0.00
38 Rt	1,2-Dichloropropane	10.000	9.945	0.5	101	0.00
39 t	Methacrylonitrile	10.000	8.729	12.7	94	0.00
40 t	Methyl acrylate	10.000	8.870	11.3	85	0.00
41 t	Tetrahydrofuran	20.000	17.261	13.7	98	0.00
42 t	1-Chlorobutane	10.000	9.751	2.5	101	0.00
43 T	Dibromomethane	10.000	9.575	4.3	100	0.00
44 T	Bromodichloromethane	10.000	9.486	5.1	100	0.00
45 T	4-Methyl-2-Pentanone	50.000	49.367	1.3	94	0.00
46 t	t-1,4-Dichloro-2-butene	20.000	15.831	20.8	89	0.00
47 t	Methyl methacrylate	20.000	17.827	10.9	97	0.00
48 t	Ethyl methacrylate	10.000	9.196	8.0	98	0.00
49 Rt	Toluene	10.000	10.577	-5.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063430.D
Acq On : 24 Jun 2025 10:17
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
LabSampleId :
VSTDCCC010

Quant Time: Jun 25 06:21:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	10.000	11.068	-10.7	104	0.00
51 T	cis-1,3-Dichloropropene	10.000	10.575	-5.7	101	0.00
52 RT	1,1,2-Trichloroethane	10.000	9.393	6.1	98	0.00
53 t	1,3-Dichloropropane	10.000	9.662	3.4	98	0.00
54 t	2-Hexanone	50.000	42.285	15.4	90	0.00
55 t	Dibromochloromethane	10.000	9.867	1.3	100	0.00
56 T	1,2-Dibromoethane	10.000	9.441	5.6	100	0.00
57 S	4-Bromofluorobenzene	1.000	1.115	-11.5	105	0.00
58 RT	Tetrachloroethene	10.000	9.563	4.4	97	0.00
59 Rt	Chlorobenzene	10.000	9.957	0.4	99	0.00
60 T	1,1,1,2-Tetrachloroethane	10.000	9.639	3.6	100	0.00
61 t	Pentachloroethane	10.000	9.550	4.5	103	0.00
62 t	Hexachloroethane	10.000	9.962	0.4	103	0.00
63 Rt	Ethyl Benzene	10.000	11.012	-10.1	101	0.00
64 RT	m/p-Xylenes	20.000	18.844	5.8	101	0.00
65 RT	o-Xylene	10.000	10.727	-7.3	99	0.00
66 RT	Styrene	10.000	9.374	6.3	101	0.00
67 t	Bromoform	10.000	9.560	4.4	97	0.00
68 S	1,2-Dichlorobenzene-d4	1.000	0.951	4.9	96	0.00
69 T	Isopropylbenzene	10.000	10.872	-8.7	100	0.00
70 T	1,1,2,2-Tetrachloroethane	10.000	9.276	7.2	98	0.00
71 T	1,2,3-Trichloropropane	10.000	9.682	3.2	113	0.00
72 t	Bromobenzene	10.000	9.981	0.2	98	0.00
73 t	n-propylbenzene	10.000	9.209	7.9	100	0.00
74 t	2-Chlorotoluene	10.000	10.669	-6.7	100	0.00
75 t	1,3,5-Trimethylbenzene	10.000	9.381	6.2	100	0.00
76 t	4-Chlorotoluene	10.000	10.700	-7.0	102	0.00
77 t	tert-Butylbenzene	10.000	10.784	-7.8	100	0.00
78 t	1,2,4-Trimethylbenzene	10.000	9.453	5.5	102	0.00
79 t	sec-Butylbenzene	10.000	10.957	-9.6	101	0.00
80	Nitrobenzene	50.000	39.666	20.7	90	0.00
81 t	p-Isopropyltoluene	10.000	9.324	6.8	100	0.00
82 t	1,3-Dichlorobenzene	10.000	9.885	1.2	99	0.00
83 Rt	1,4-Dichlorobenzene	10.000	9.960	0.4	100	0.00
84 t	n-Butylbenzene	10.000	10.729	-7.3	98	0.00
85 Rt	1,2-Dichlorobenzene	10.000	9.830	1.7	98	0.00
86 t	1,2-Dibromo-3-Chloropropane	10.000	9.881	1.2	96	0.00
87 Rt	1,2,4-Trichlorobenzene	10.000	9.620	3.8	94	0.00
88 t	Hexachlorobutadiene	10.000	9.580	4.2	98	0.00
89 t	Naphthalene	10.000	7.773	22.3	85	0.00
90 t	1,2,3-Trichlorobenzene	10.000	9.620	3.8	93	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



QC SAMPLE DATA

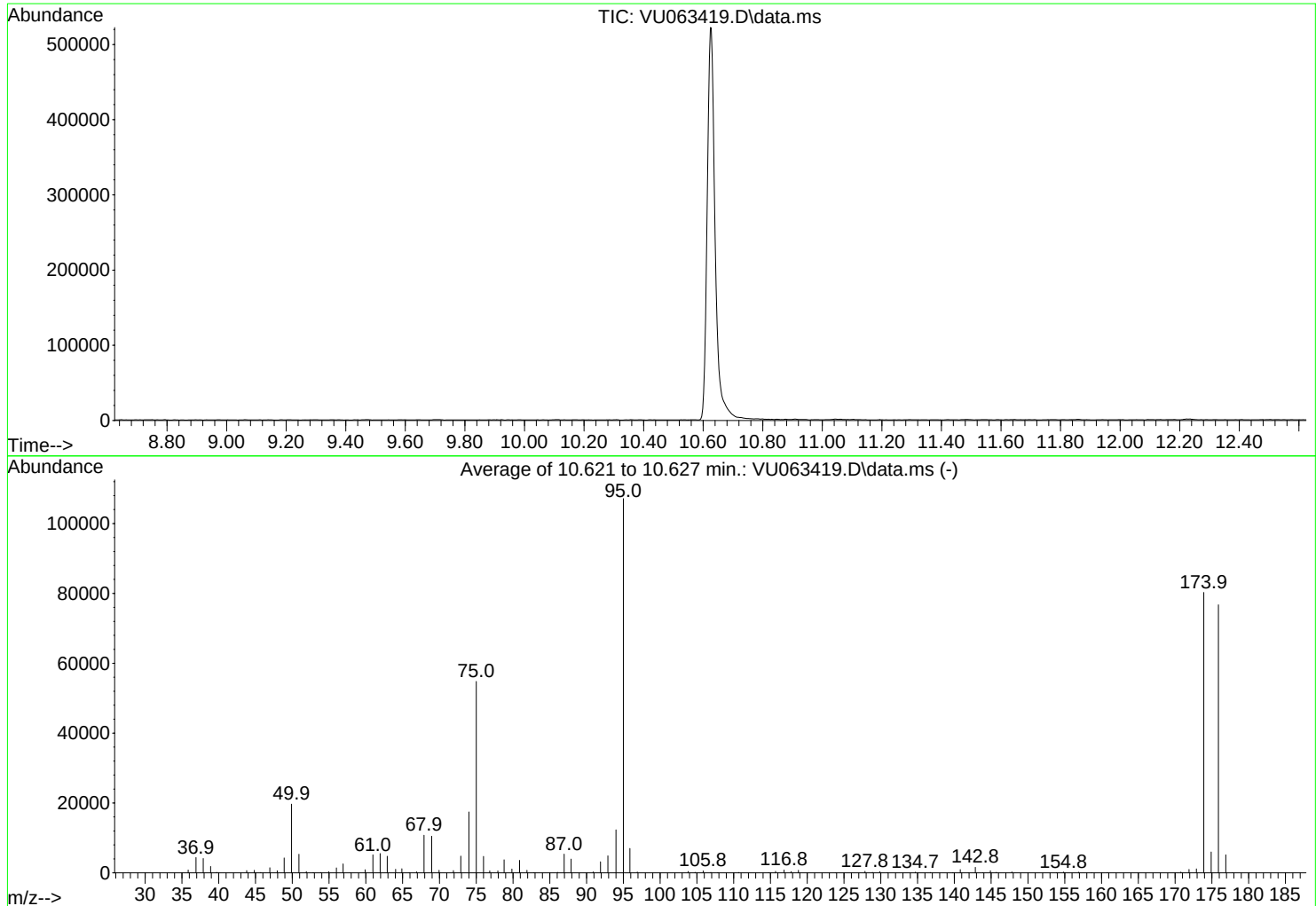
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
Data File : VU063419.D
Acq On : 23 Jun 2025 08:48
Operator : MD/SY
Sample : BFB
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Tue Jun 24 05:06:50 2025



AutoFind: Scans 2902, 2903, 2904; Background Corrected with Scan 2890

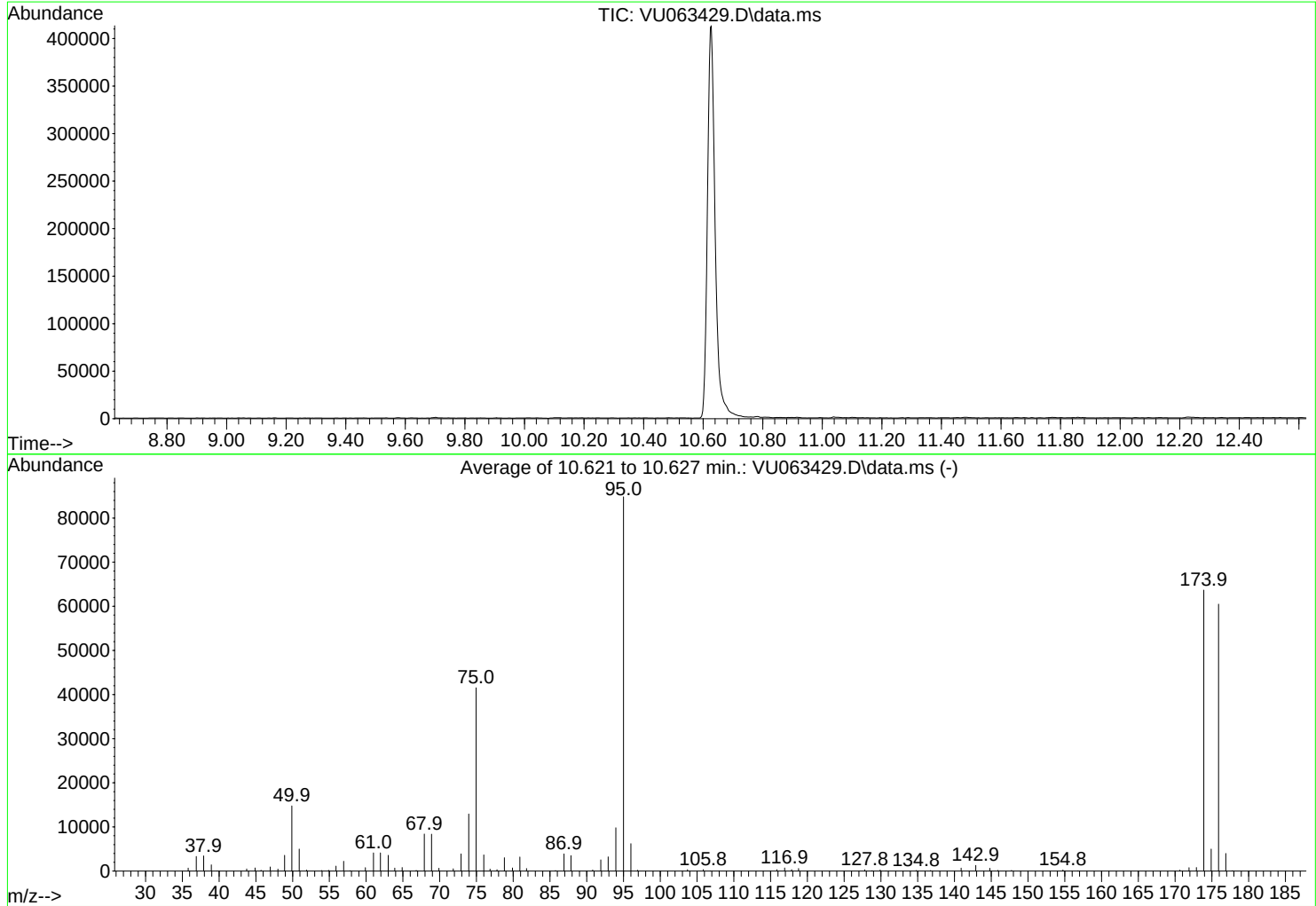
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	18.3	19656	PASS
75	95	30	60	51.2	54813	PASS
95	95	100	100	100.0	107157	PASS
96	95	5	9	6.5	6998	PASS
173	174	0.00	2	1.4	1128	PASS
174	95	50	100	74.9	80261	PASS
175	174	5	9	7.4	5961	PASS
176	174	95	101	95.6	76725	PASS
177	176	5	9	6.7	5172	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063429.D
Acq On : 24 Jun 2025 09:49
Operator : MD/SY
Sample : BFB
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Tue Jun 24 05:06:50 2025



AutoFind: Scans 2902, 2903, 2904; Background Corrected with Scan 2890

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.4	14761	PASS
75	95	30	60	49.0	41555	PASS
95	95	100	100	100.0	84821	PASS
96	95	5	9	7.3	6199	PASS
173	174	0.00	2	1.3	823	PASS
174	95	50	100	75.1	63677	PASS
175	174	5	9	7.8	4980	PASS
176	174	95	101	95.0	60499	PASS
177	176	5	9	6.6	3997	PASS

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBL01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBL01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063431.D	1		06/24/25 11:14	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.73		70 (70) - 130 (130)	73%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.74		70 (70) - 130 (130)	74%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	48500	6.106			

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_U\Data\VU062425\
Data File : VU063431.D
Acq On : 24 Jun 2025 11:14
Operator : MD/SY
Sample : VU0624WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Quant Time: Jun 25 01:30:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.106	96	48463	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13246	0.744	ug/l	0.00
Spiked Amount	1.000		Recovery	=	74.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13088	0.732	ug/l	0.00
Spiked Amount	1.000		Recovery	=	73.000%	

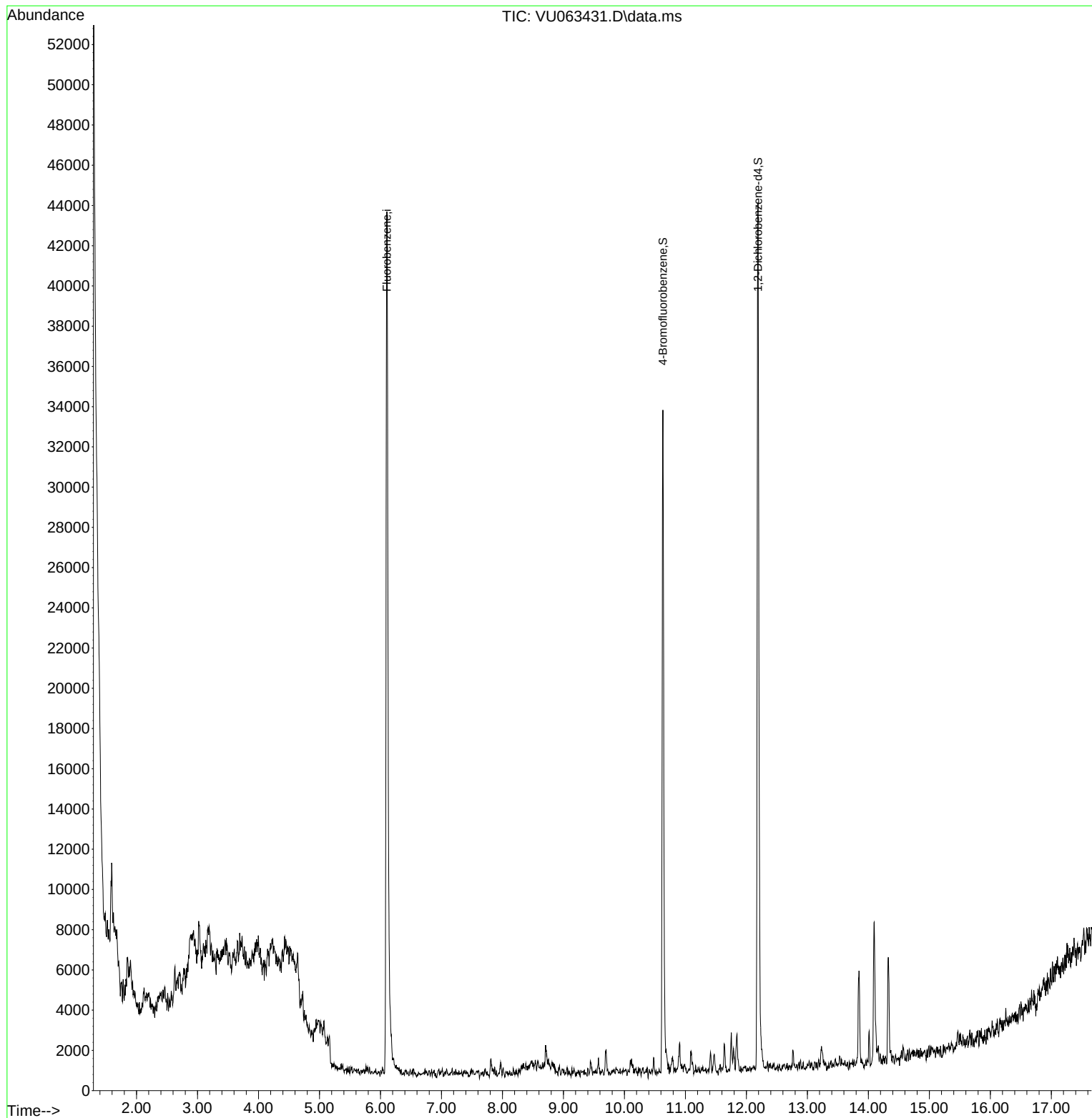
Target Compounds	Qvalue

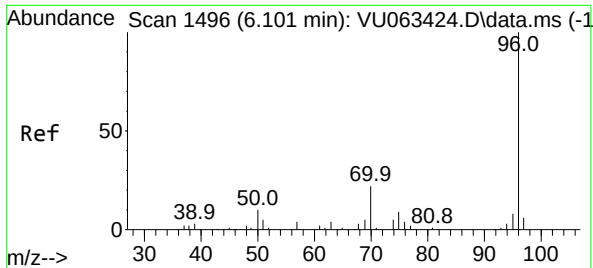
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063431.D
Acq On : 24 Jun 2025 11:14
Operator : MD/SY
Sample : VU0624WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Quant Time: Jun 25 01:30:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

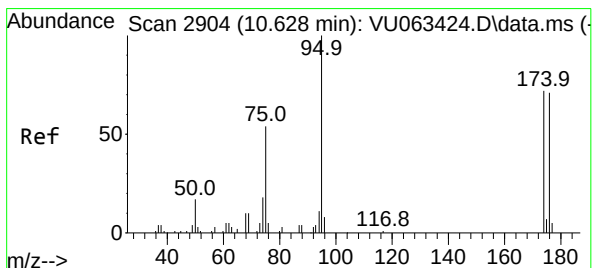
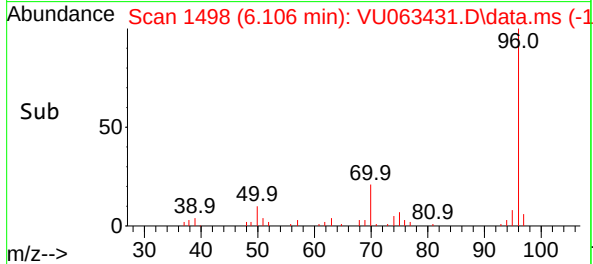
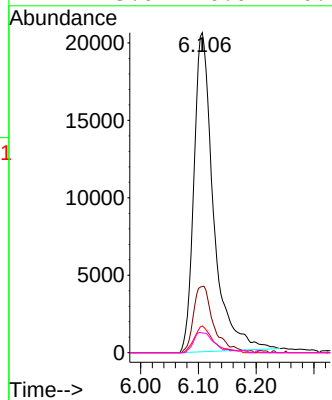
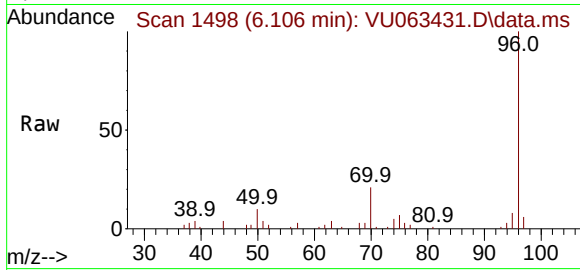




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.106 min Scan# 1496
Delta R.T. 0.005 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

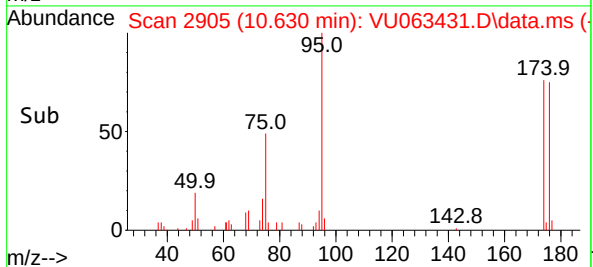
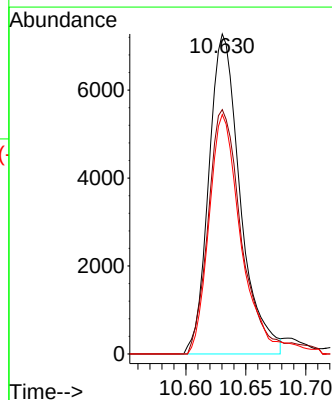
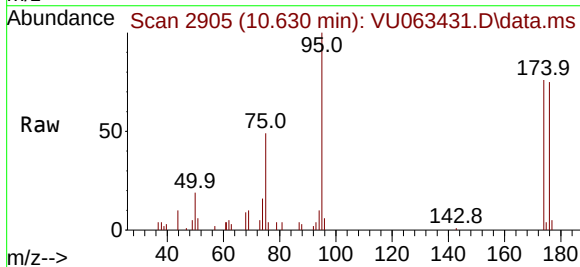
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

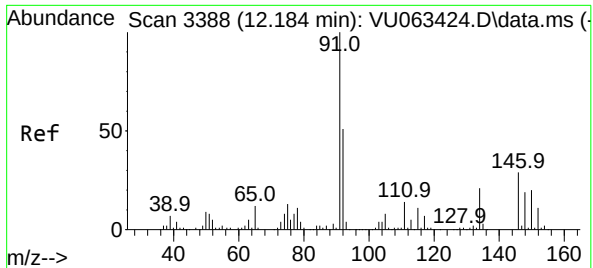
Tgt Ion: 96	Resp: 48463
Ion Ratio	Lower Upper
96 100	
70 20.6	16.4 24.6
95 8.1	6.2 9.2
97 5.6	0.0 0.0



#57
4-Bromofluorobenzene
Concen: 0.744 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.002 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Tgt Ion: 95	Resp: 13246
Ion Ratio	Lower Upper
95 100	
174 83.2	59.4 89.2
176 77.5	57.8 86.6





#68

1,2-Dichlorobenzene-d4

Concen: 0.732 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063431.D

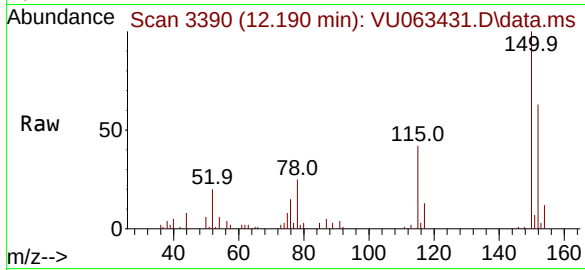
Acq: 24 Jun 2025 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBL01



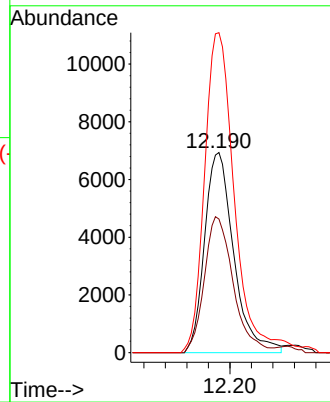
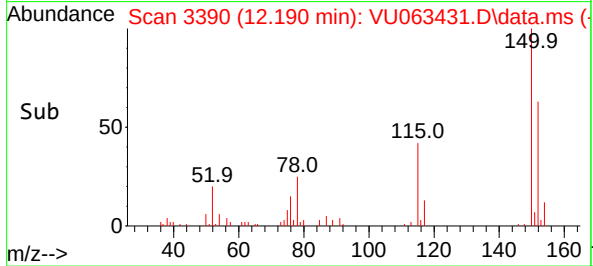
Tgt Ion:152 Resp: 13088

Ion Ratio Lower Upper

152 100

115 67.2 0.0 327.6

150 164.7 0.0 664.4



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBS01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBS01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063432.D	1		06/24/25 11:48	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.70		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	1.70		0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.00		0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		0.13	0.50	ug/L
71-43-2	Benzene	2.00		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.00		0.16	0.50	ug/L
79-01-6	Trichloroethene	1.90		0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	1.90		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.90		0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.99		70 (70) - 130 (130)	99%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 (70) - 130 (130)	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	50400	6.103			

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_U\Data\VU062425\
 Data File : VU063432.D
 Acq On : 24 Jun 2025 11:48
 Operator : MD/SY
 Sample : VU0624WBS01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:22:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	50423	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	18541	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18461	0.993	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	37732	1.948	ug/l	98
3) Chloromethane	1.518	50	42308	1.658	ug/l	99
4) Vinyl Chloride	1.599	62	36052	1.650	ug/l	100
5) Bromomethane	1.849	94	20046	1.915	ug/l	100
6) Chloroethane	1.927	64	18221	1.408	ug/l	96
7) Trichlorofluoromethane	2.129	101	42938	1.724	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	21761	1.640	ug/l	91
9) 1,1-Dichloroethene	2.566	96	22342	1.687	ug/l	85
10) Iodomethane	2.708	142	17112	1.601	ug/l	98
11) Allyl Chloride	2.907	41	27398	1.162	ug/l	89
12) Acrylonitrile	3.309	53	10077	2.634	ug/l #	86
13) Acetone	2.621	43	17584	4.617	ug/l	99
14) Carbon Disulfide	2.775	76	67706	1.466	ug/l	97
15) Methylene Chloride	3.029	84	26324	1.569	ug/l	87
16) trans-1,2-Dichloroethene	3.335	96	25844	1.735	ug/l	85
17) 1,1-Dichloroethane	3.849	63	63500	2.030	ug/l	99
18) 2-Butanone	4.721	43	46546	8.719	ug/l	99
19) Cyclohexane	5.361	56	43798	1.851	ug/l	99
20) Methylcyclohexane	6.746	83	37512	1.707	ug/l	94
21) 2,2-Dichloropropane	4.644	77	42918	1.930	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	32017	1.969	ug/l	100
23) Diethyl Ether	2.370	59	16242	1.360	ug/l	89
24) tert-Butyl Alcohol	3.203	59	17502	13.907	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	57010	1.583	ug/l	99
26) Bromochloromethane	4.959	128	12581	1.988	ug/l	99
27) Chloroform	5.071	83	57998	1.978	ug/l	96
28) 1,1,1-Trichloroethane	5.296	97	47422	1.994	ug/l	97
29) 1,1-Dichloropropene	5.505	75	43165	1.987	ug/l	96
30) Carbon Tetrachloride	5.502	117	37915	1.997	ug/l	98
31) Isopropyl Ether	3.997	45	97025	1.985	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	80511	1.944	ug/l	100
33) Tert-Amyl methyl ether	5.946	73	52925	1.785	ug/l	98
34) Propionitrile	4.782	54	15425	9.989	ug/l	99
35) Benzene	5.759	78	133266	2.028	ug/l	99
36) 1,2-Dichloroethane	5.788	62	37941	1.975	ug/l	100
37) Trichloroethene	6.531	130	29814	1.920	ug/l	98
38) 1,2-Dichloropropane	6.785	63	35505	1.957	ug/l	99
39) Methacrylonitrile	4.975	41	12237m	1.905	ug/l	
40) Methyl acrylate	4.856	55	16865	1.870	ug/l #	96
41) Tetrahydrofuran	5.065	42	12759	3.692	ug/l	99
42) 1-Chlorobutane	5.441	56	55270	1.794	ug/l	99
43) Dibromomethane	6.914	93	16966	2.001	ug/l	95
44) Bromodichloromethane	7.100	83	40566	1.965	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063432.D
 Acq On : 24 Jun 2025 11:48
 Operator : MD/SY
 Sample : VU0624WBS01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:22:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	79447	8.731	ug/l	95
46) t-1,4-Dichloro-2-butene	10.827	75	12308m	4.115	ug/l	
47) Methyl methacrylate	6.971	69	22850	3.614	ug/l	98
48) Ethyl methacrylate	8.338	69	20945	1.891	ug/l	98
49) Toluene	7.962	92	67670	1.876	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	26422	1.774	ug/l	95
51) cis-1,3-Dichloropropene	7.602	75	36853	1.843	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	23388	1.887	ug/l	96
53) 1,3-Dichloropropane	8.569	76	41741	1.958	ug/l	99
54) 2-Hexanone	8.692	43	49438	8.736	ug/l	95
55) Dibromochloromethane	8.801	129	25308	1.979	ug/l	96
56) 1,2-Dibromoethane	8.920	107	20144	2.005	ug/l	100
58) Tetrachloroethene	8.544	164	29722	1.951	ug/l	97
59) Chlorobenzene	9.441	112	73659	1.907	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	27055	1.946	ug/l	98
61) Pentachloroethane	11.418	117	23339	2.061	ug/l	95
62) Hexachloroethane	12.466	117	21061	2.068	ug/l	95
63) Ethyl Benzene	9.563	91	114369	1.847	ug/l	100
64) m/p-Xylenes	9.688	106	86586	3.629	ug/l	97
65) o-Xylene	10.093	106	42442	1.804	ug/l	98
66) Styrene	10.110	104	70793	1.856	ug/l	99
67) Bromoform	10.283	173	13034	1.866	ug/l	98
69) Isopropylbenzene	10.476	105	102462	1.880	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	32083	2.024	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	26566m	2.052	ug/l	
72) Bromobenzene	10.778	156	29826	1.950	ug/l	85
73) n-propylbenzene	10.897	120	31372	1.895	ug/l	97
74) 2-Chlorotoluene	10.978	126	29231	1.933	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	98718	1.842	ug/l	97
76) 4-Chlorotoluene	11.093	126	31381	1.981	ug/l	92
77) tert-Butylbenzene	11.412	119	95430	1.906	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	98098	1.844	ug/l	99
79) sec-Butylbenzene	11.637	105	137752	1.943	ug/l	98
80) Nitrobenzene	13.216	77	6073m	9.432	ug/l	
81) p-Isopropyltoluene	11.785	119	104423	1.881	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	63917	2.017	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	64352	1.958	ug/l	99
84) n-Butylbenzene	12.203	91	106675	1.838	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	59771	1.971	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4374	2.007	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	30544	1.807	ug/l	99
88) Hexachlorobutadiene	14.013	225	23256	1.940	ug/l	98
89) Naphthalene	14.084	128	46534	2.092	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	28258	1.681	ug/l	99

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

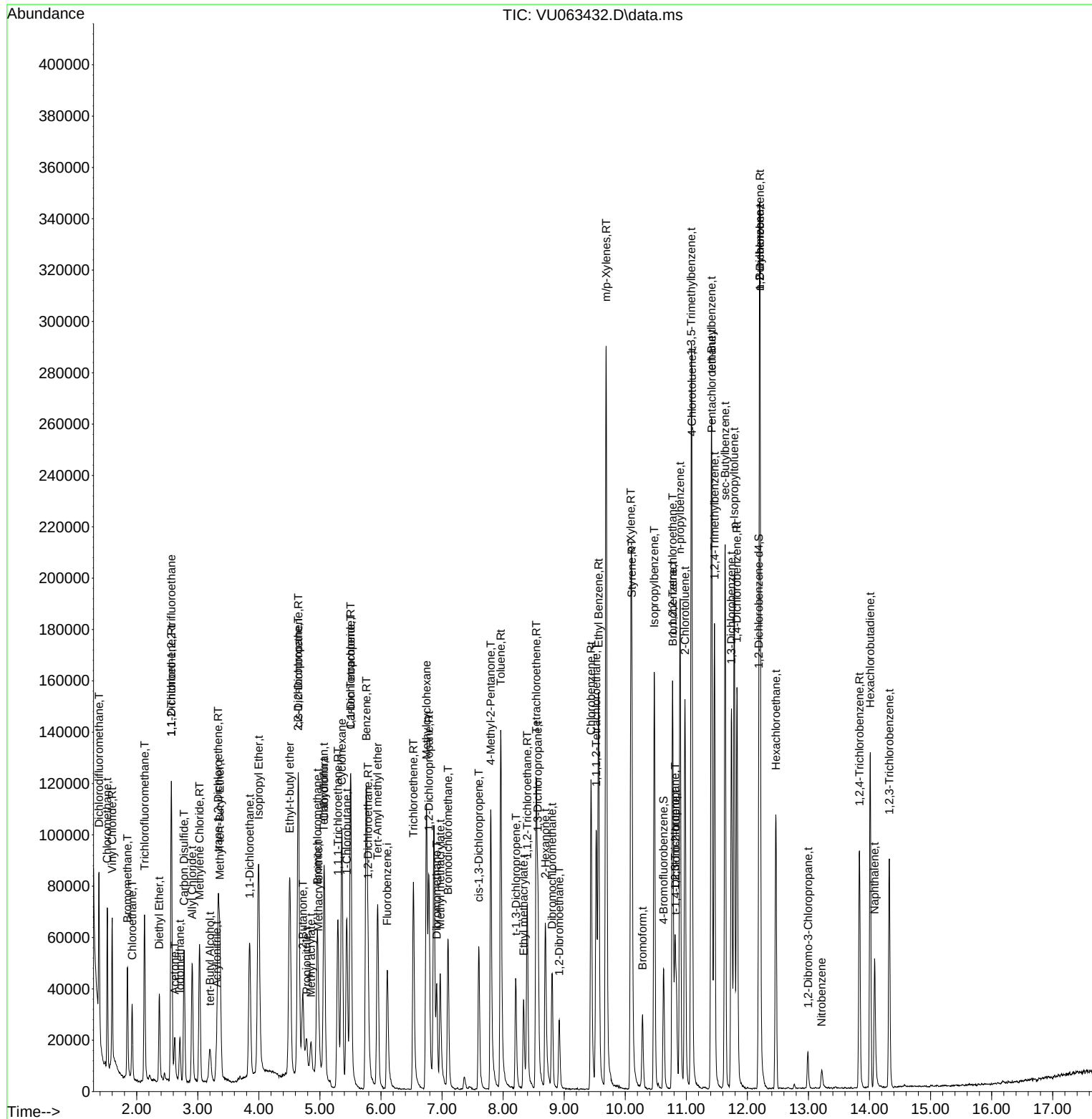
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 Data File : VU063432.D
 Acq On : 24 Jun 2025 11:48
 Operator : MD/SY
 Sample : VU0624WBS01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

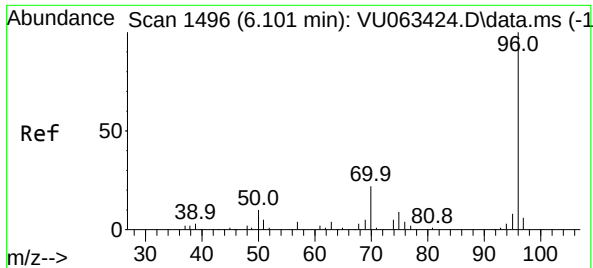
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBS01

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 06/25/2025
 Supervised By : Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:22:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration





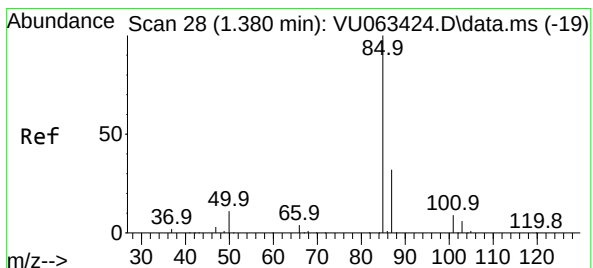
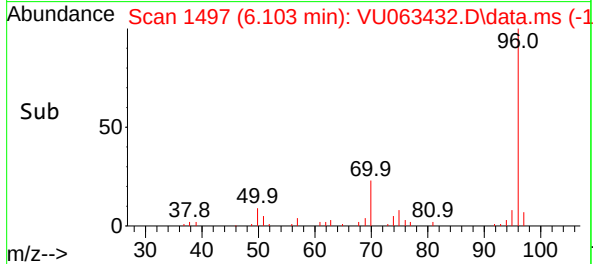
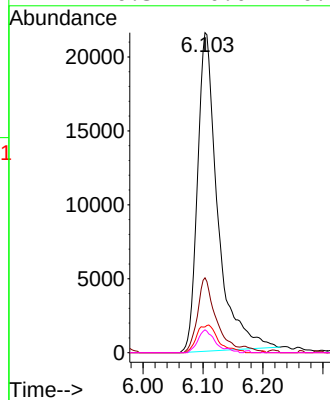
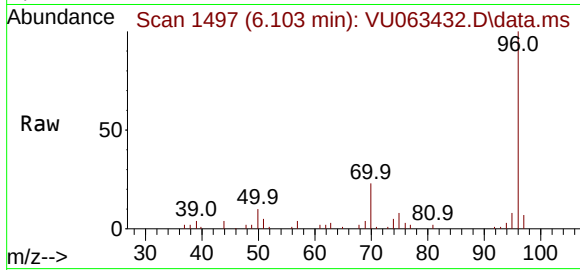
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 96 Resp: 5042
Ion Ratio Lower Upper
96 100
70 19.3 16.4 24.6
95 9.4 6.2 9.2
97 6.3 0.0 0.0

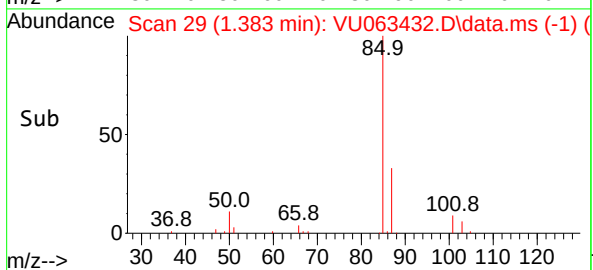
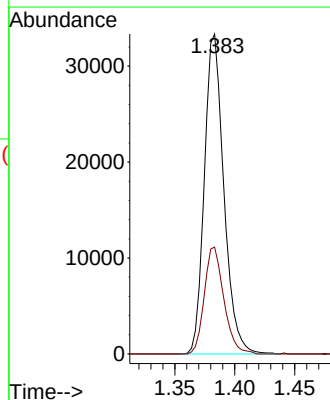
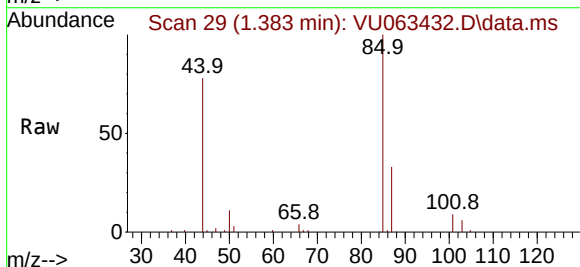
Manual Integrations
APPROVED

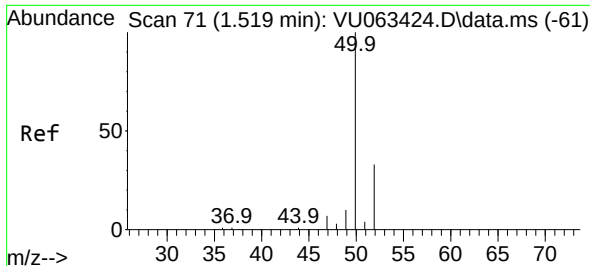
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 1.948 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 85 Resp: 37732
Ion Ratio Lower Upper
85 100
87 33.4 16.2 48.5





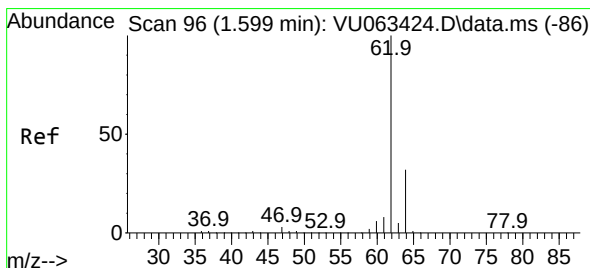
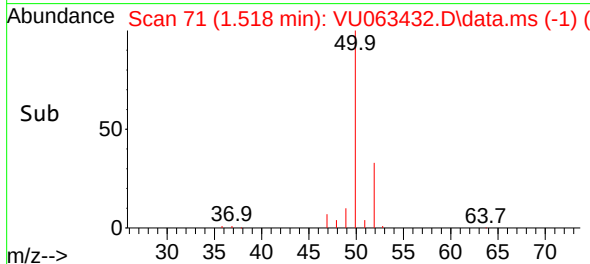
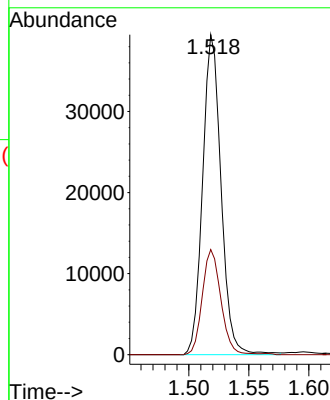
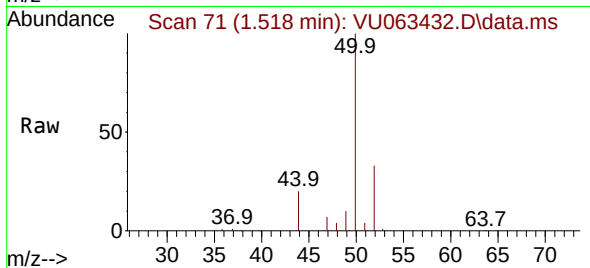
#3
Chloromethane
Concen: 1.658 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 50 Resp: 42308
Ion Ratio Lower Upper
50 100
52 32.9 26.6 40.0

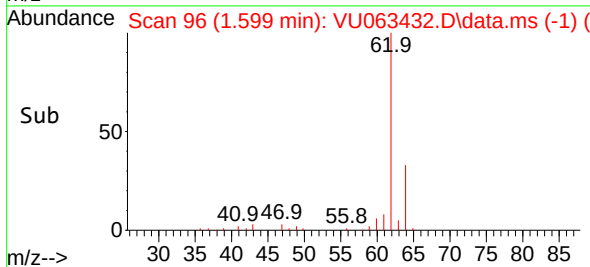
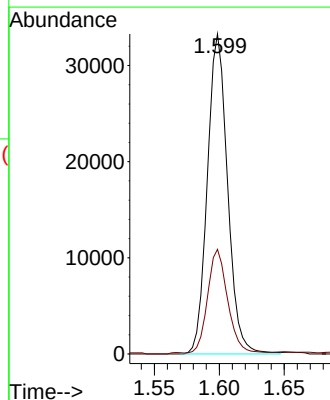
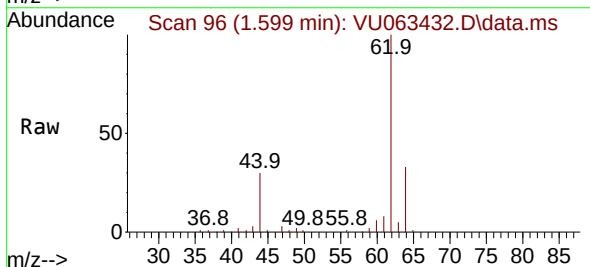
Manual Integrations
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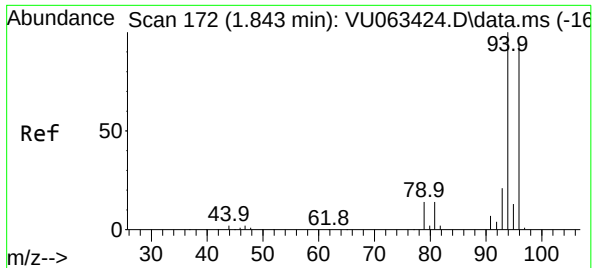
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 1.650 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 62 Resp: 36052
Ion Ratio Lower Upper
62 100
64 32.3 25.7 38.5





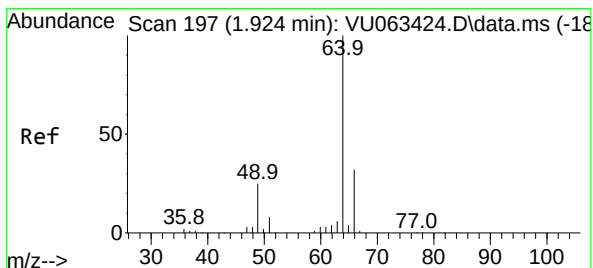
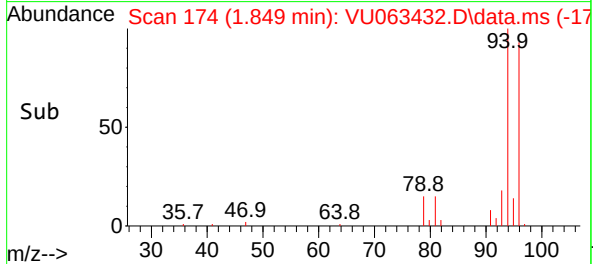
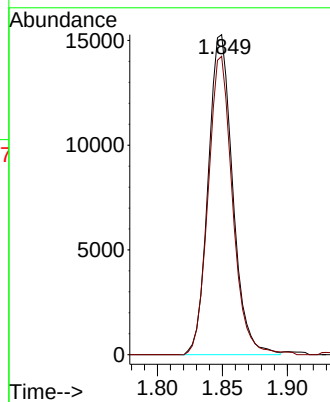
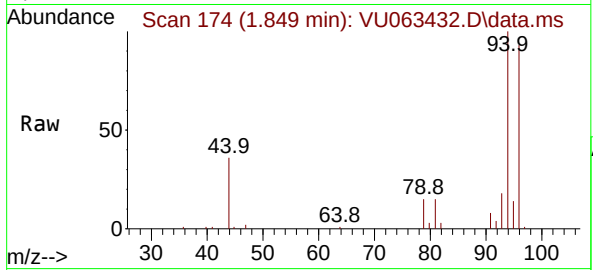
#5
Bromomethane
Concen: 1.915 ug/l
RT: 1.849 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 94 Resp: 2004
Ion Ratio Lower Upper
94 100
96 93.3 74.8 112.2

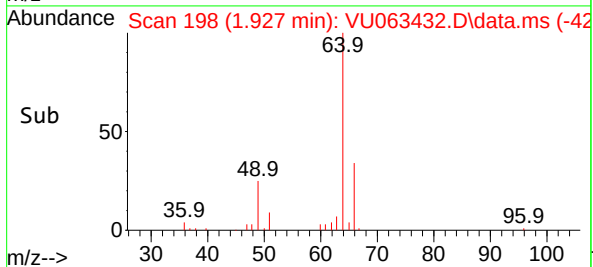
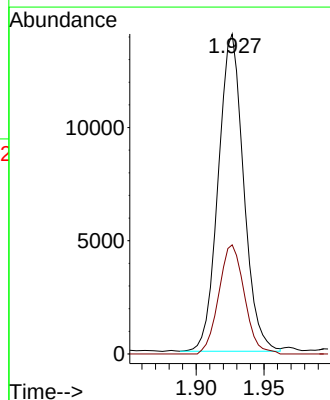
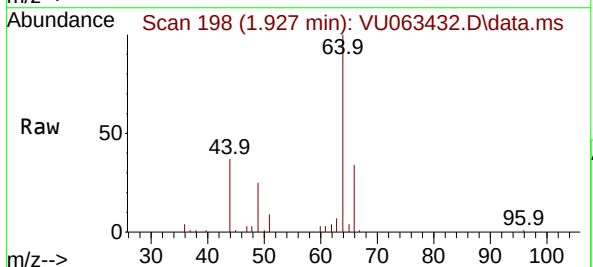
Manual Integrations
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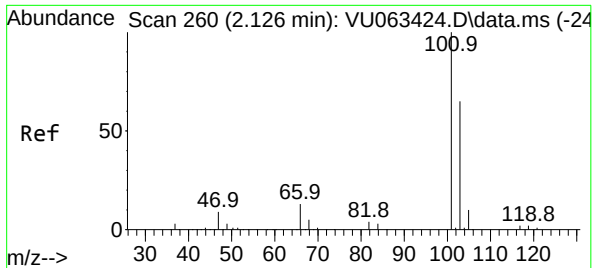
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 1.408 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 64 Resp: 18221
Ion Ratio Lower Upper
64 100
66 34.4 25.7 38.5





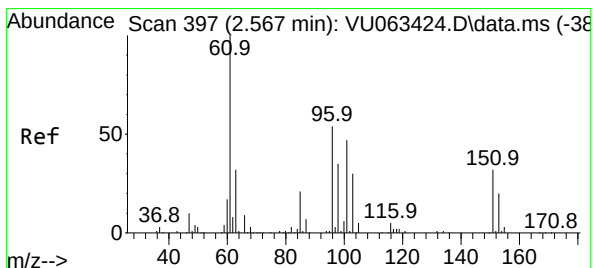
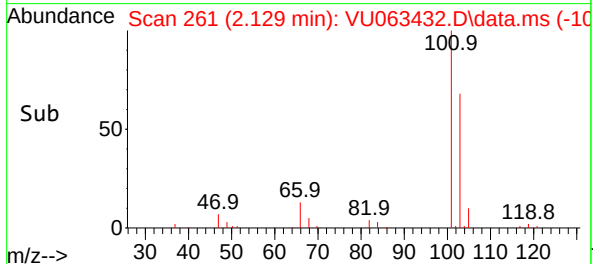
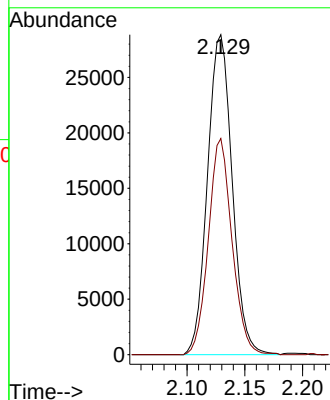
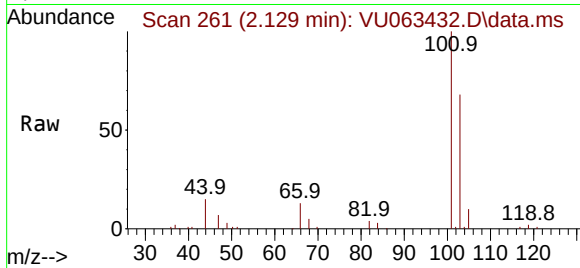
#7
Trichlorofluoromethane
Concen: 1.724 ug/l
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion:101 Resp: 42938
Ion Ratio Lower Upper
101 100
103 67.5 52.3 78.5

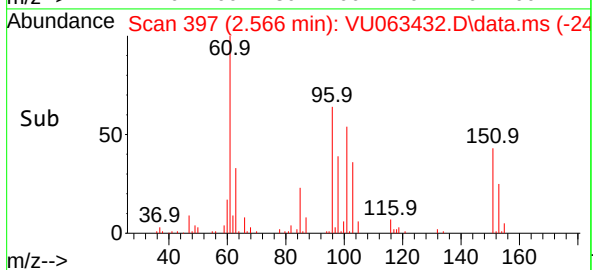
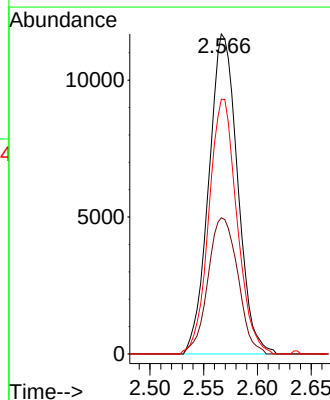
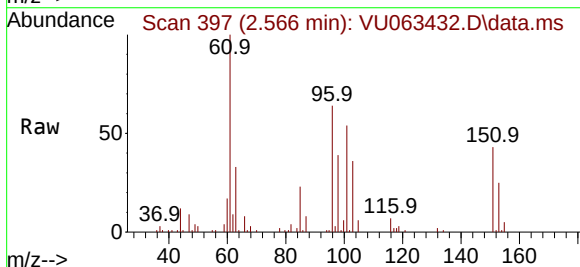
Manual Integrations
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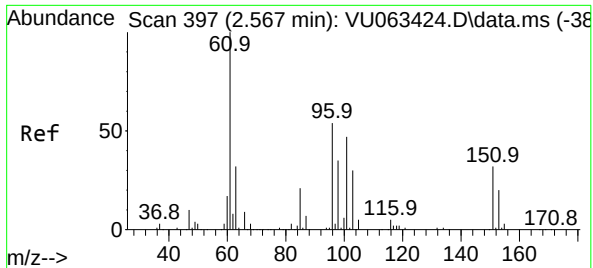
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.640 ug/l
RT: 2.566 min Scan# 397
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

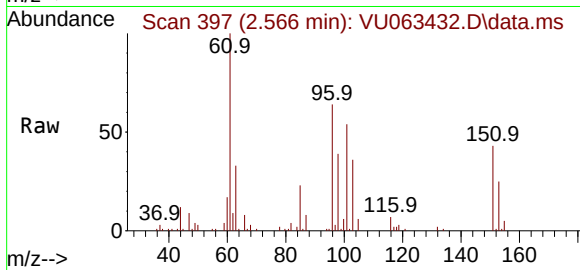
Tgt Ion:101 Resp: 21761
Ion Ratio Lower Upper
101 100
85 44.1 36.7 55.1
151 77.8 53.9 80.9





#9
1,1-Dichloroethene
Concen: 1.687 ug/l
RT: 2.566 min Scan# 397
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

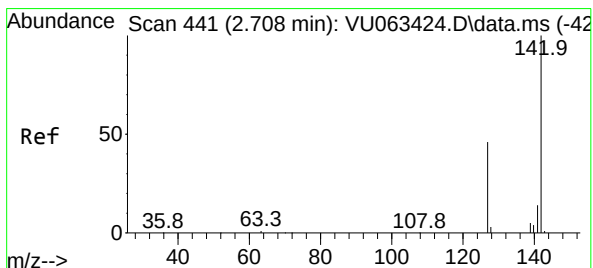
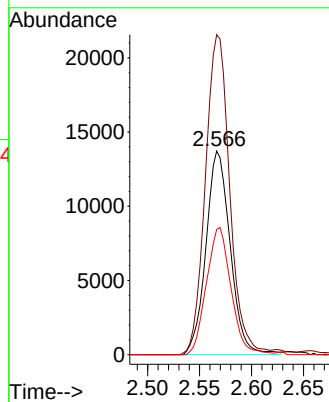
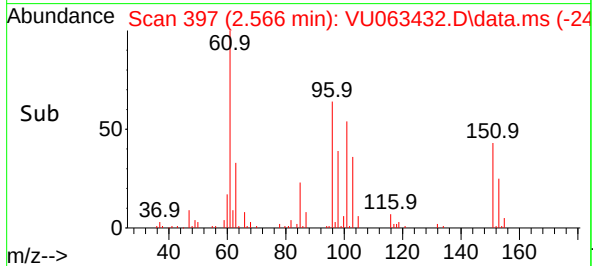
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



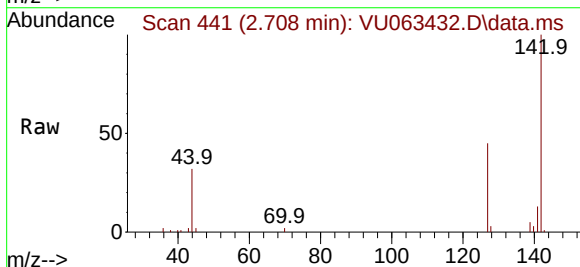
Tgt Ion: 96 Resp: 2234
Ion Ratio Lower Upper
96 100
61 157.1 0.0 552.0
98 61.5 0.0 128.4

Manual Integrations
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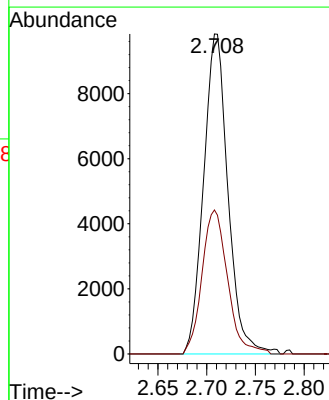
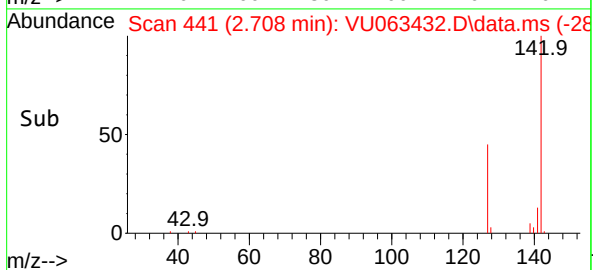
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

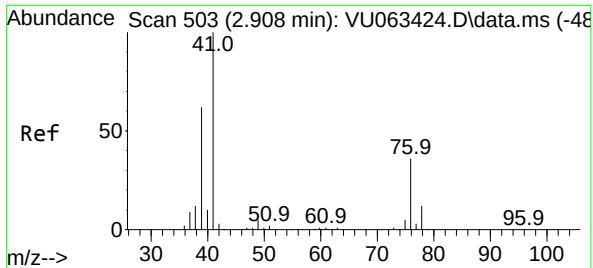


#10
Iodomethane
Concen: 1.601 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48



Tgt Ion:142 Resp: 17112
Ion Ratio Lower Upper
142 100
127 47.2 36.9 55.3





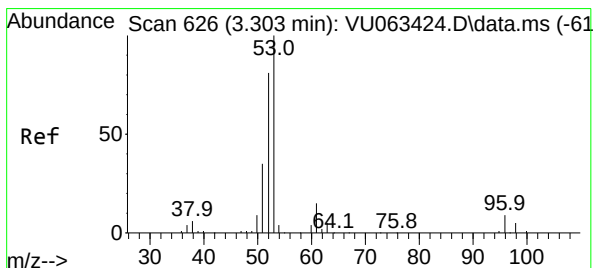
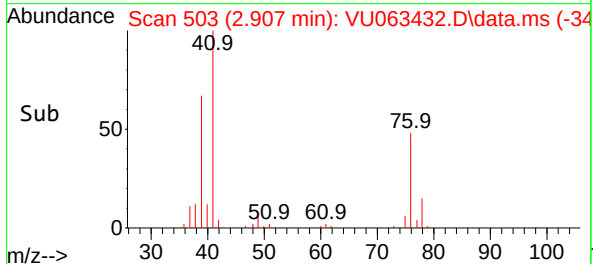
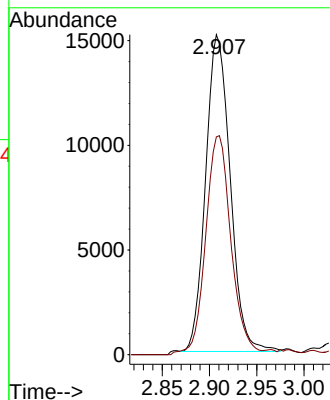
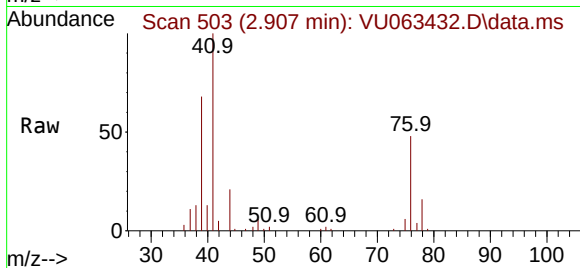
#11
 Allyl Chloride
 Concen: 1.162 ug/l
 RT: 2.907 min Scan# 503
 Delta R.T. -0.001 min
 Lab File: VU063432.D
 Acq: 24 Jun 2025 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBS01

Tgt Ion: 41 Resp: 27398
 Ion Ratio Lower Upper
 41 100
 39 71.1 50.3 75.5

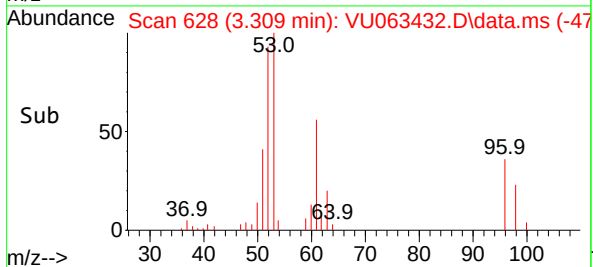
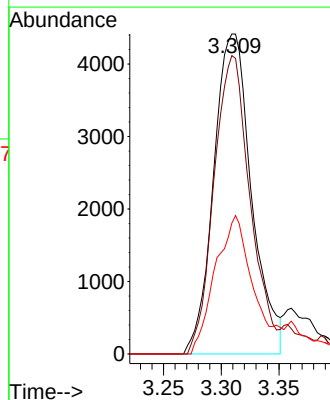
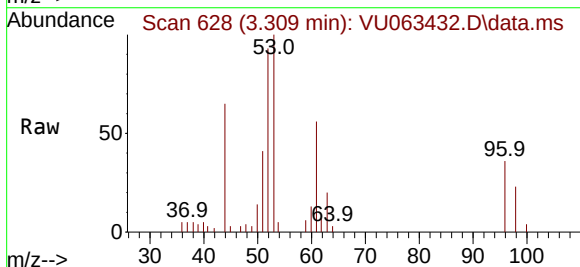
Manual Integrations
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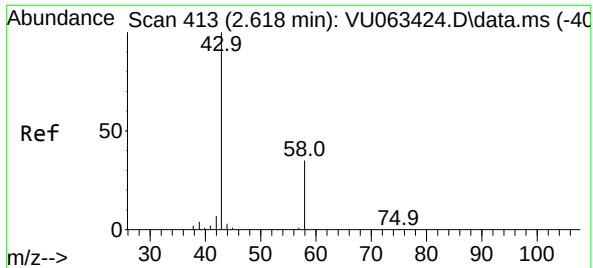
Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025



#12
 Acrylonitrile
 Concen: 2.634 ug/l
 RT: 3.309 min Scan# 628
 Delta R.T. 0.006 min
 Lab File: VU063432.D
 Acq: 24 Jun 2025 11:48

Tgt Ion: 53 Resp: 10077
 Ion Ratio Lower Upper
 53 100
 52 88.7 62.8 94.2
 51 44.0 26.2 39.4





#13

Acetone

Concen: 4.617 ug/l

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion: 43 Resp: 17584

Ion Ratio Lower Upper

43

100

58

35.1

28.3

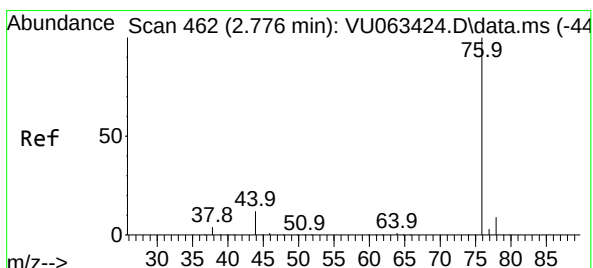
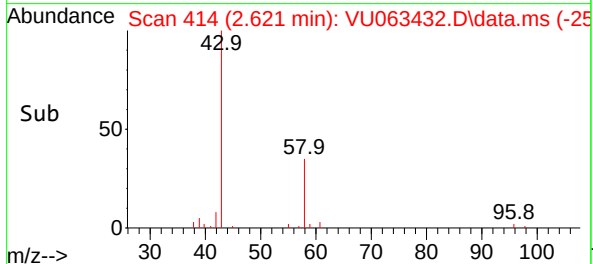
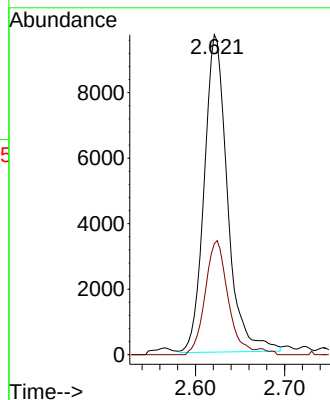
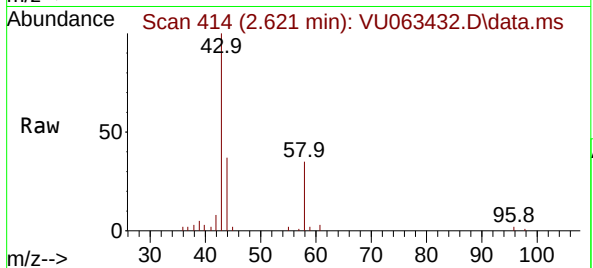
42.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#14

Carbon Disulfide

Concen: 1.466 ug/l

RT: 2.775 min Scan# 462

Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion: 76 Resp: 67706

Ion Ratio Lower Upper

76

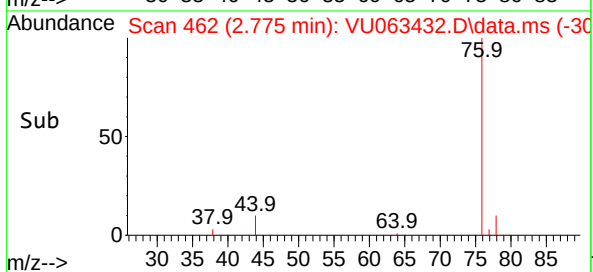
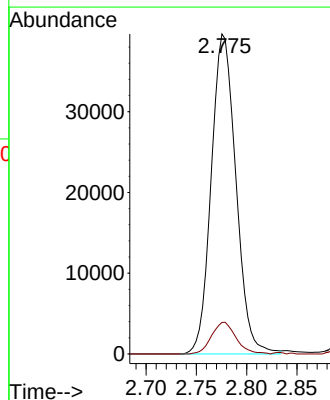
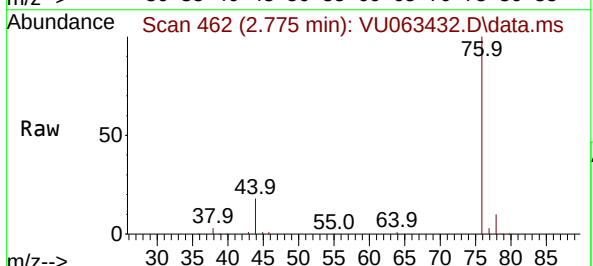
100

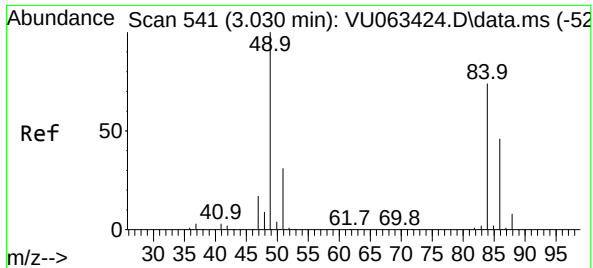
78

9.8

6.9

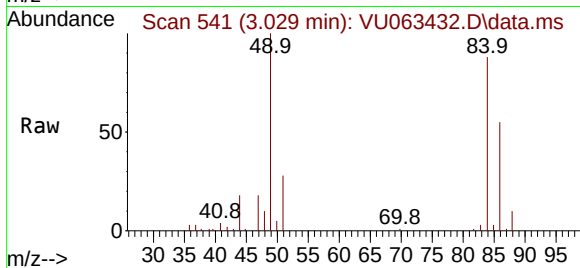
10.3





#15
Methylene Chloride
Concen: 1.569 ug/l
RT: 3.029 min Scan# 541
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

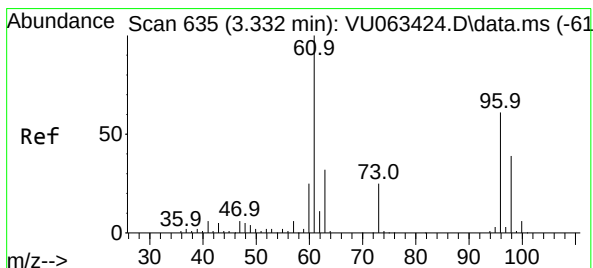
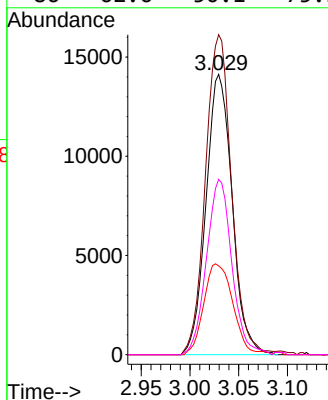
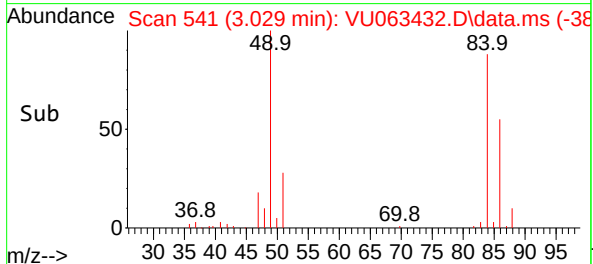
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



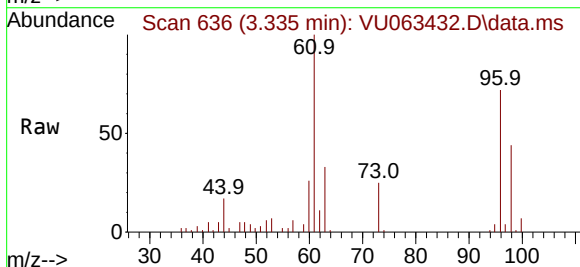
Tgt Ion: 84 Resp: 26324
Ion Ratio Lower Upper
84 100
49 114.2 108.7 163.1
51 31.7 0.0 83.8
86 62.6 50.1 75.1

Manual Integrations
APPROVED

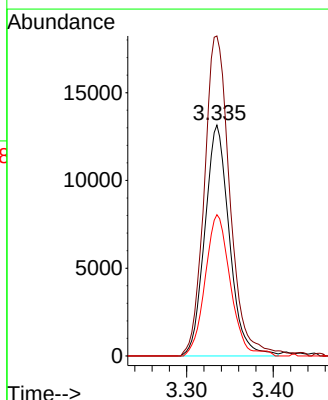
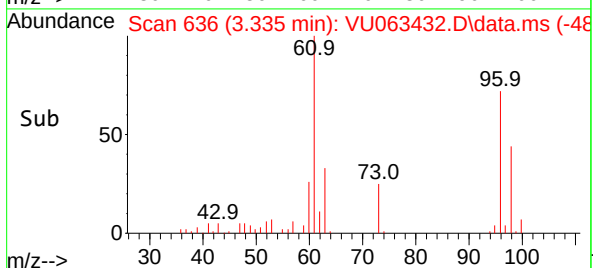
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

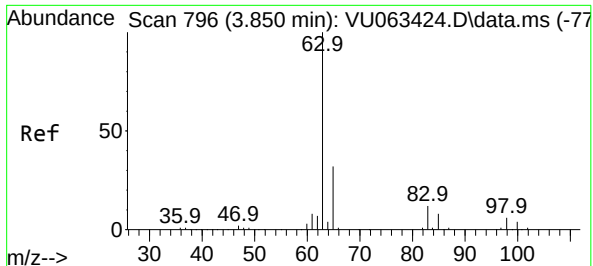


#16
trans-1,2-Dichloroethene
Concen: 1.735 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48



Tgt Ion: 96 Resp: 25844
Ion Ratio Lower Upper
96 100
61 138.6 132.1 198.1
98 61.2 51.0 76.4





#17

1,1-Dichloroethane

Concen: 2.030 ug/l

RT: 3.849 min Scan# 796

Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

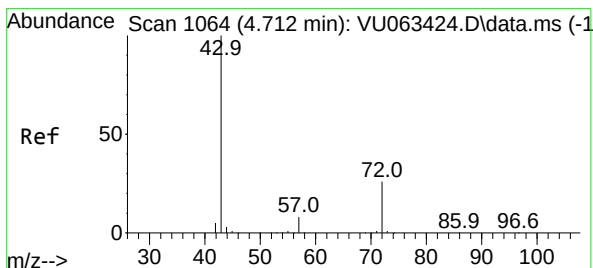
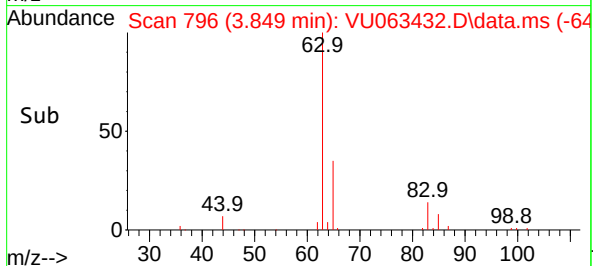
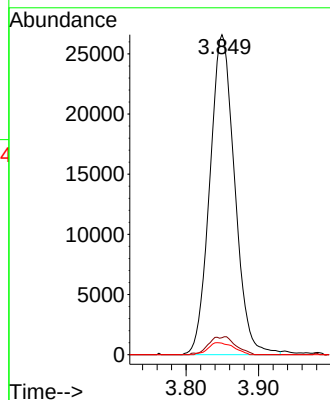
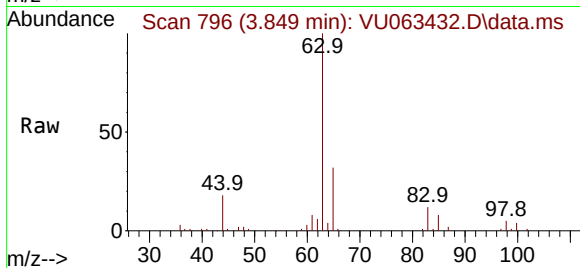
Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:	63	Resp:	63500
Ion Ratio	Lower	Upper	
63	100		
98	5.3	2.8	8.4
100	3.6	1.9	5.7

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#18

2-Butanone

Concen: 8.719 ug/l

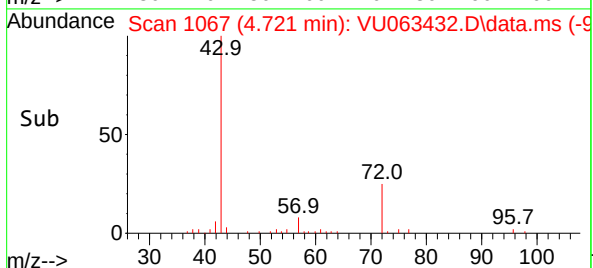
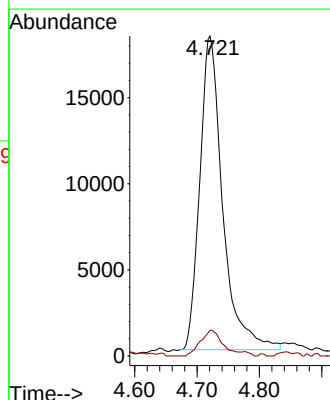
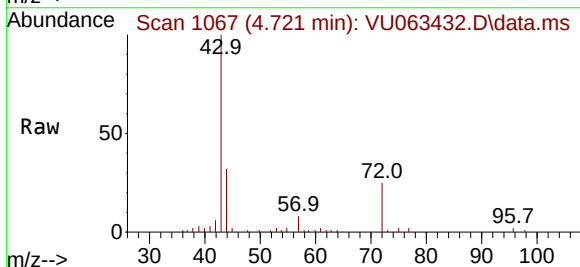
RT: 4.721 min Scan# 1067

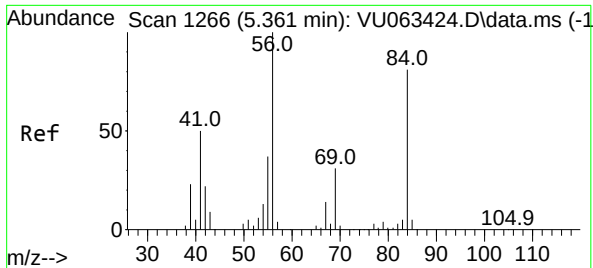
Delta R.T. 0.009 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:	43	Resp:	46546
Ion Ratio	Lower	Upper	
43	100		
57	8.2	0.0	16.0





#19

Cyclohexane

Concen: 1.851 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

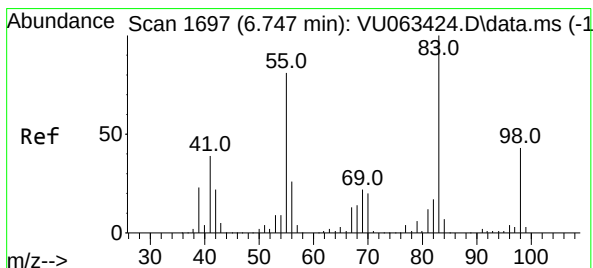
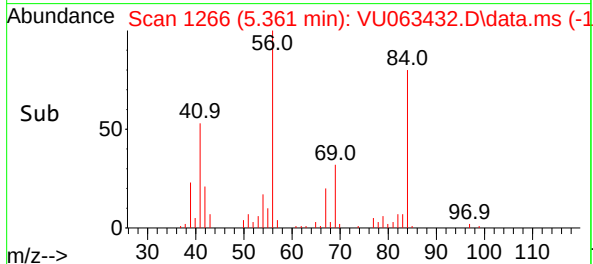
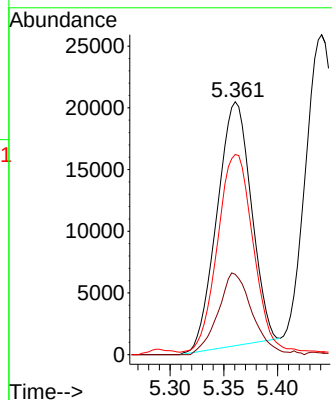
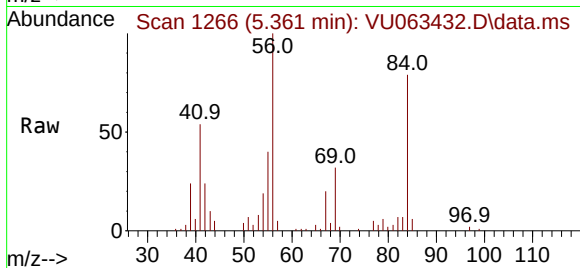
ClientSampleId :

VU0624WBS01

Tgt Ion:	56	Resp:	4379
Ion Ratio	Lower	Upper	
56	100		
69	32.1	26.4	39.6
84	84.6	68.6	102.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 1.707 ug/l

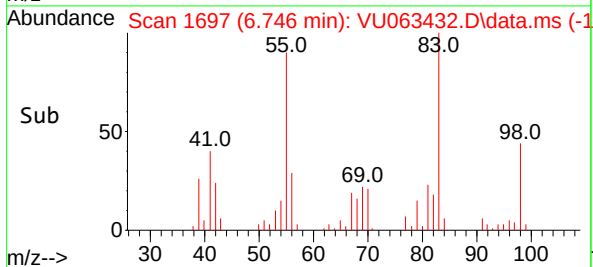
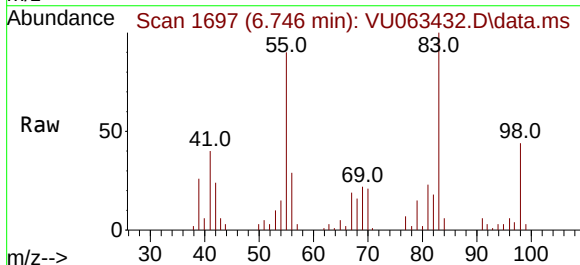
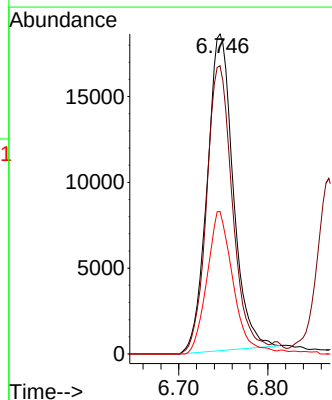
RT: 6.746 min Scan# 1697

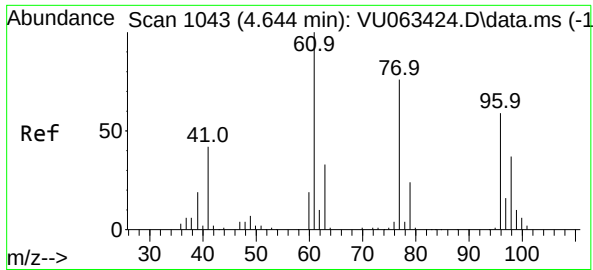
Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:	83	Resp:	37512
Ion Ratio	Lower	Upper	
83	100		
55	87.3	63.5	95.3
98	43.5	34.2	51.4





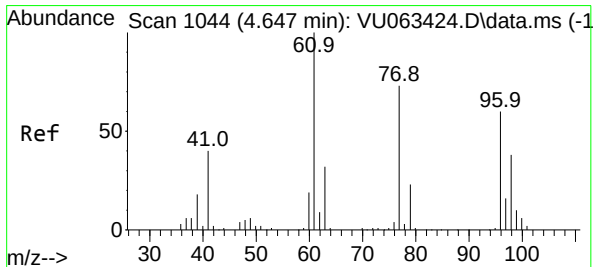
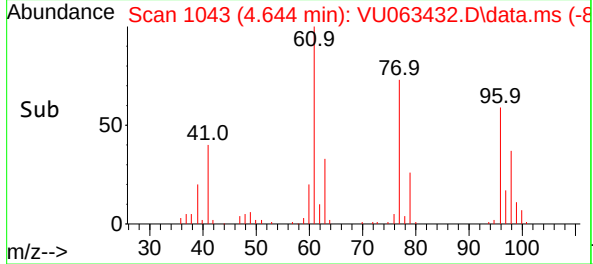
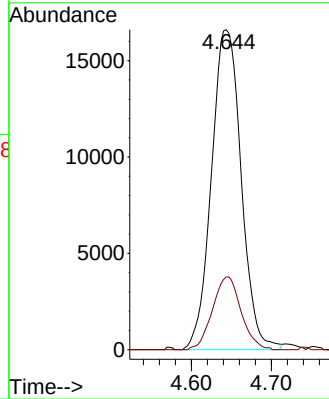
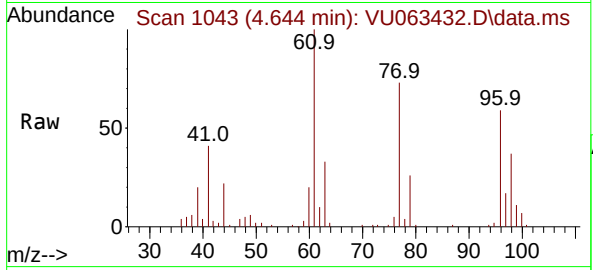
#21
2,2-Dichloropropane
Concen: 1.930 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 77 Resp: 42918
Ion Ratio Lower Upper
77 100
97 21.8 17.2 25.8

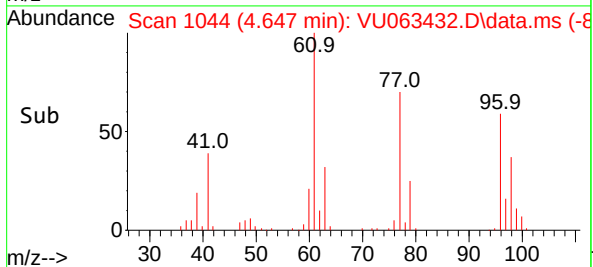
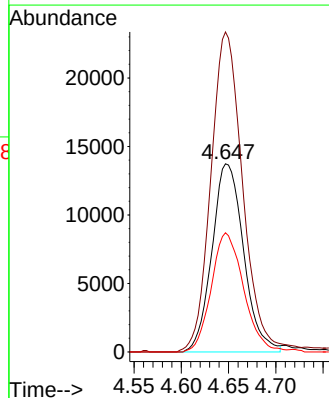
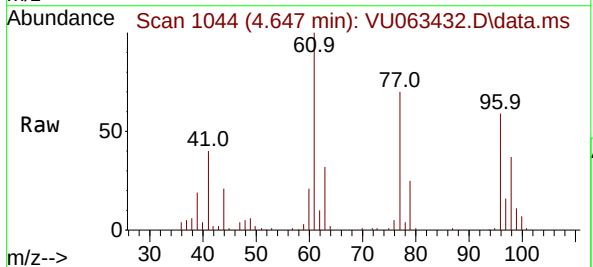
Manual Integrations
APPROVED

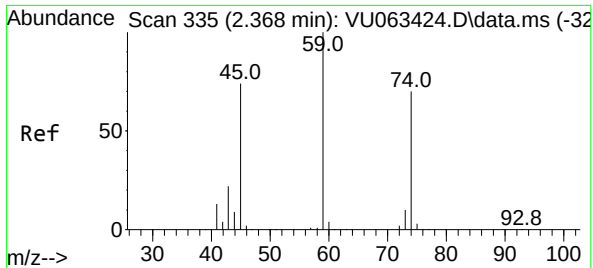
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#22
cis-1,2-Dichloroethene
Concen: 1.969 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

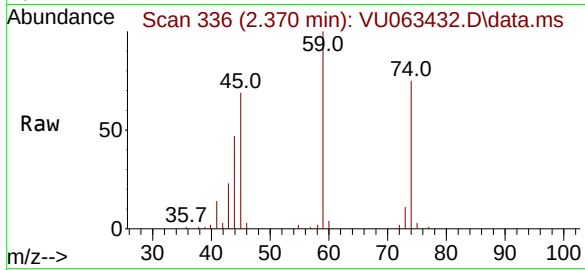
Tgt Ion: 96 Resp: 32017
Ion Ratio Lower Upper
96 100
61 173.4 0.0 434.3
98 64.5 31.9 95.7





#23
Diethyl Ether
Concen: 1.360 ug/l
RT: 2.370 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

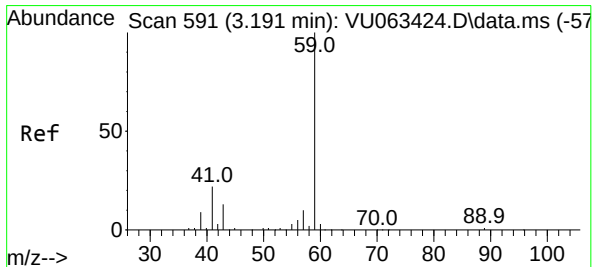
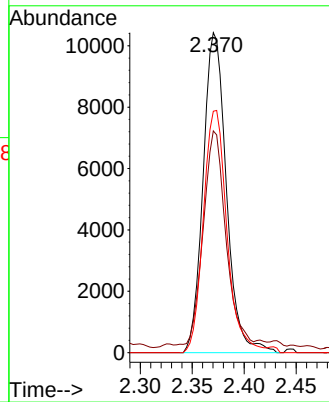
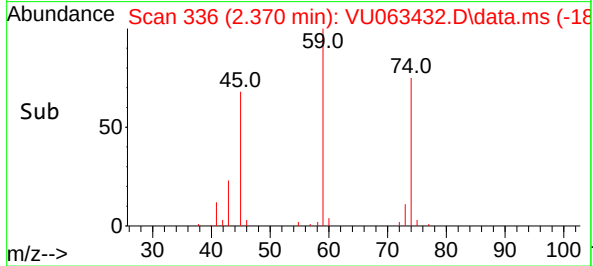
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



Tgt Ion: 59 Resp: 1624
Ion Ratio Lower Upper
59 100
45 63.9 60.7 91.1
74 76.8 55.8 83.6

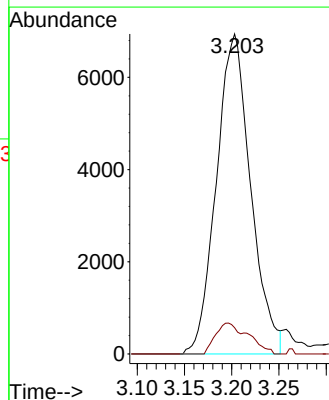
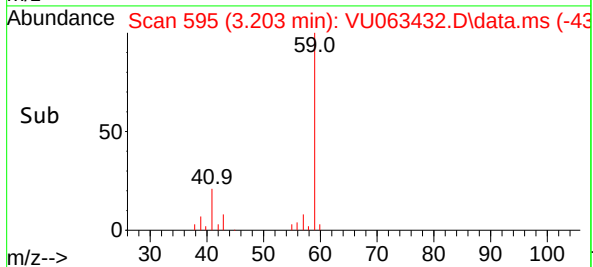
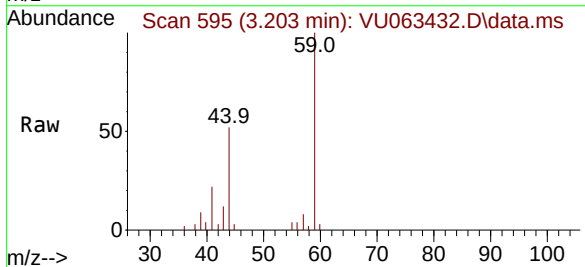
Manual Integrations
APPROVED

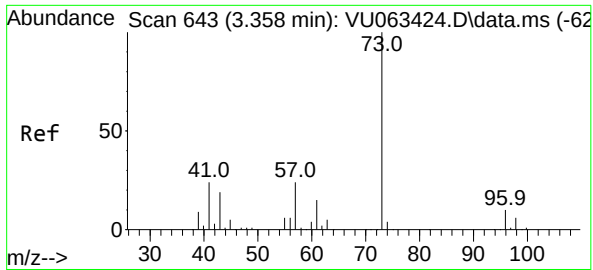
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#24
tert-Butyl Alcohol
Concen: 13.907 ug/l
RT: 3.203 min Scan# 595
Delta R.T. 0.012 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 59 Resp: 17502
Ion Ratio Lower Upper
59 100
57 9.3 7.8 11.8





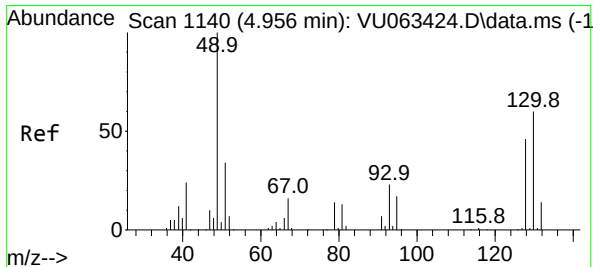
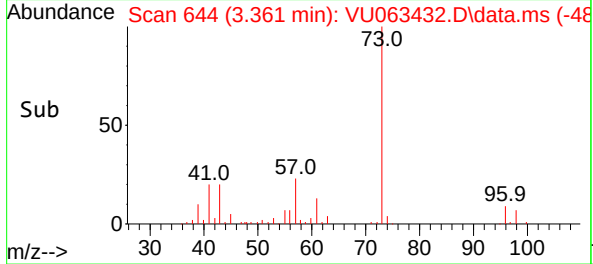
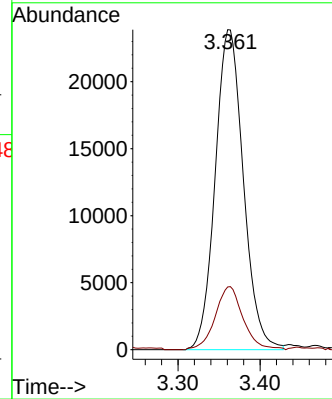
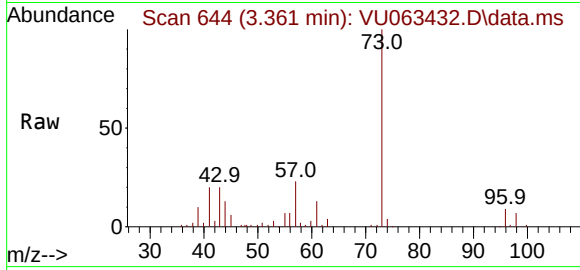
#25
Methyl tert-Butyl Ether
Concen: 1.583 ug/l
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 73 Resp: 57010
Ion Ratio Lower Upper
73 100
43 19.5 15.1 22.7

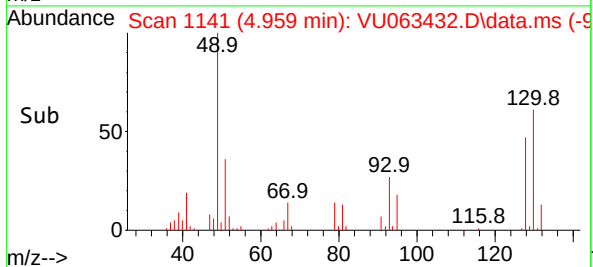
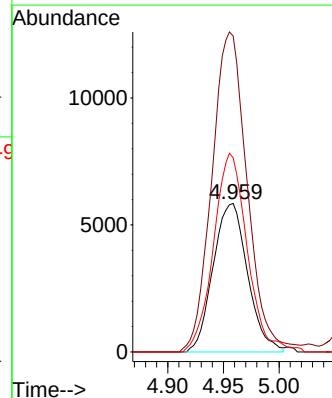
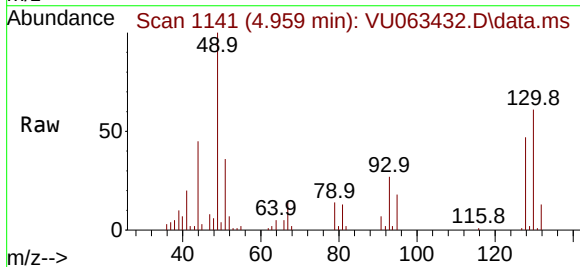
Manual Integrations
APPROVED

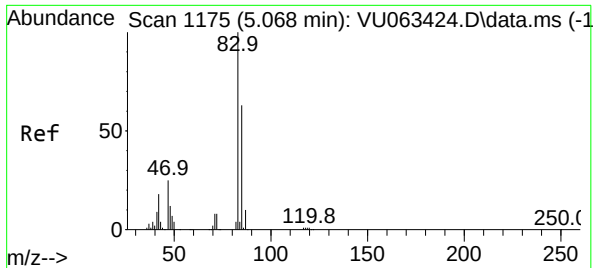
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#26
Bromochloromethane
Concen: 1.988 ug/l
RT: 4.959 min Scan# 1141
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion:128 Resp: 12581
Ion Ratio Lower Upper
128 100
49 220.8 0.0 441.2
130 131.2 102.3 153.5





#27

Chloroform

Concen: 1.978 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion: 83 Resp: 5799

Ion Ratio Lower Upper

83 100

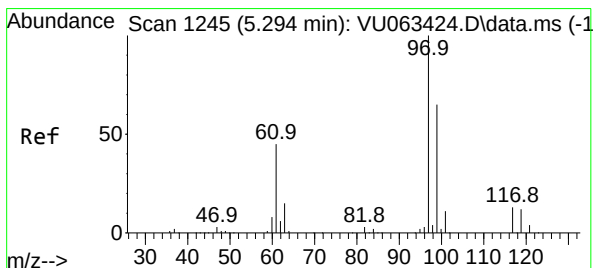
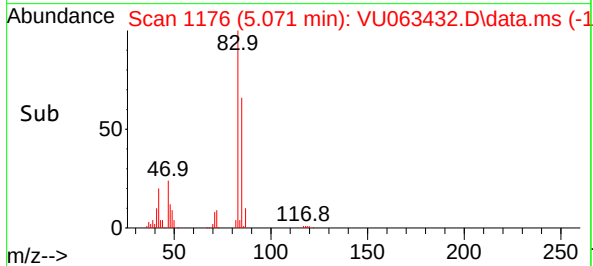
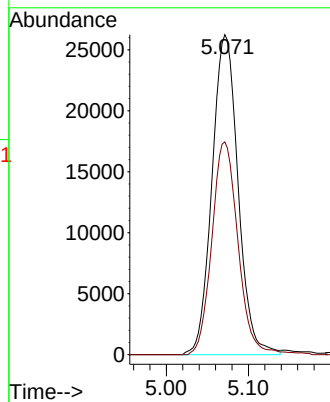
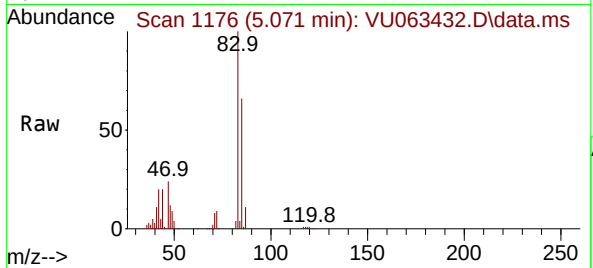
85 66.5 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#28

1,1,1-Trichloroethane

Concen: 1.994 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

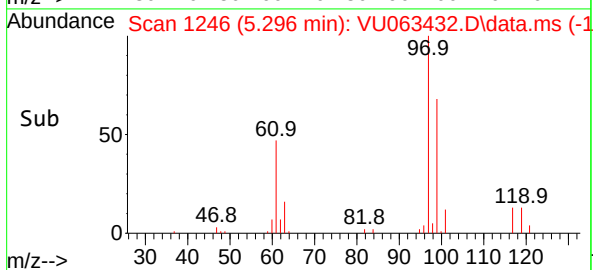
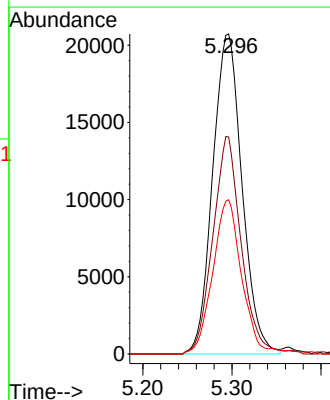
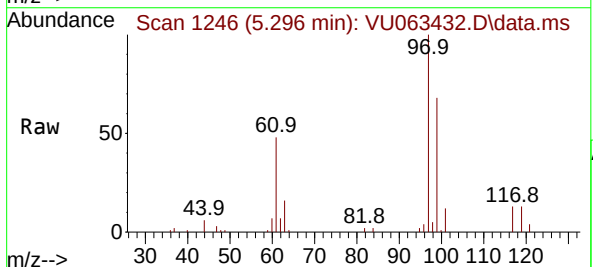
Tgt Ion: 97 Resp: 47422

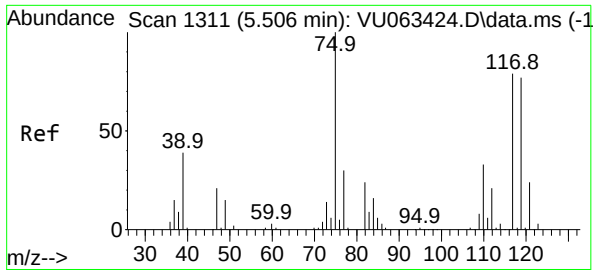
Ion Ratio Lower Upper

97 100

99 65.4 31.9 95.5

61 47.8 22.9 68.7





#29

1,1-Dichloropropene

Concen: 1.987 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

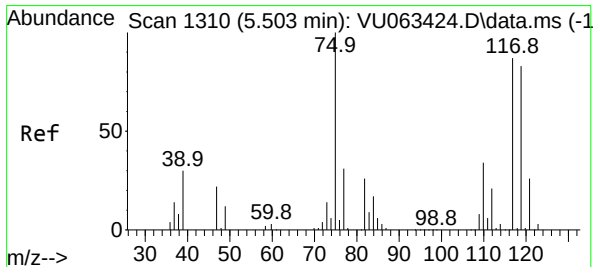
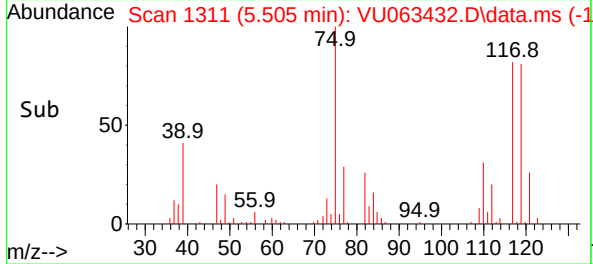
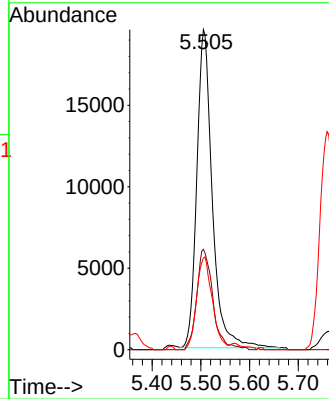
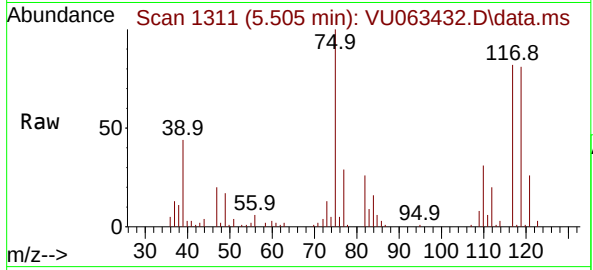
Tgt Ion:	75	Resp:	4316
Ion	Ratio	Lower	Upper
75	100		
110	33.0	17.4	52.2
77	29.5	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 1.997 ug/l

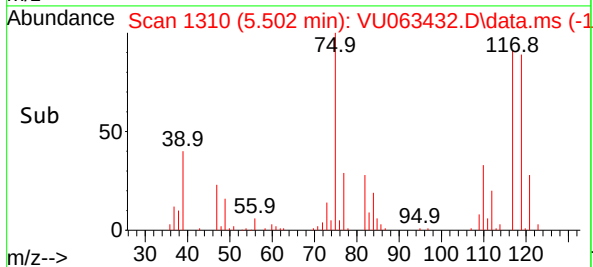
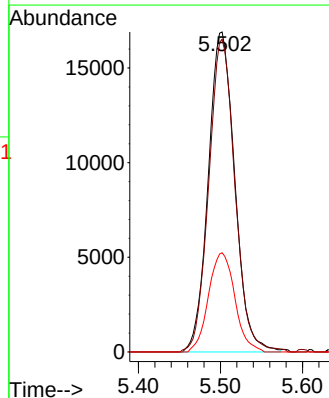
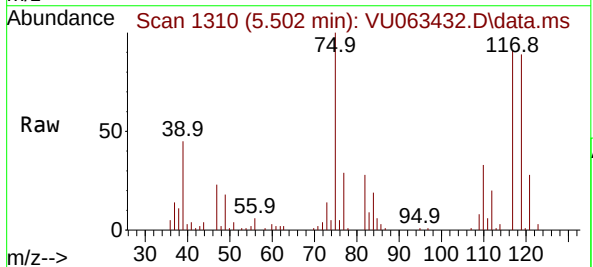
RT: 5.502 min Scan# 1310

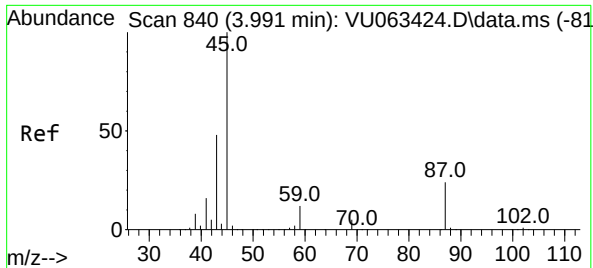
Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:	117	Resp:	37915
Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.7	115.1
121	31.0	24.3	36.5





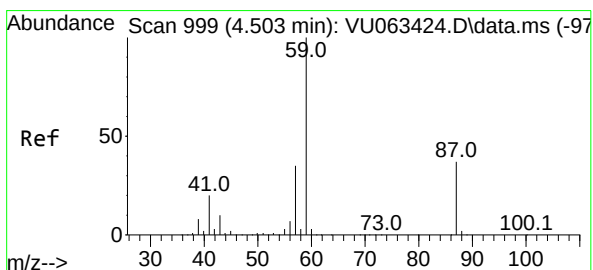
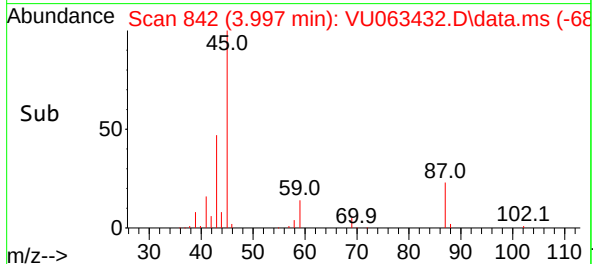
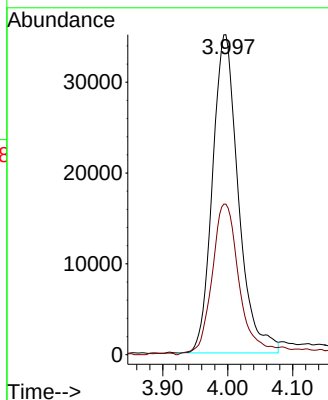
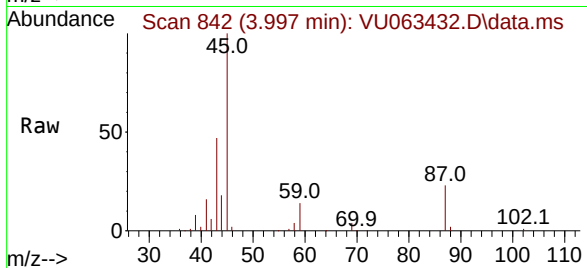
#31
Isopropyl Ether
Concen: 1.985 ug/l
RT: 3.997 min Scan# 840
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 45 Resp: 97025
Ion Ratio Lower Upper
45 100
43 49.4 23.8 71.5

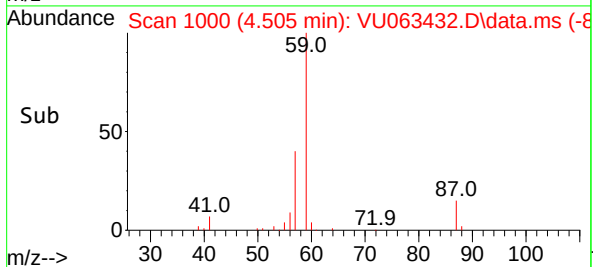
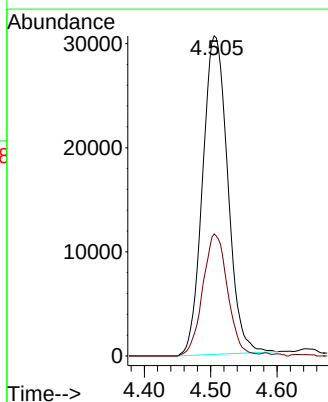
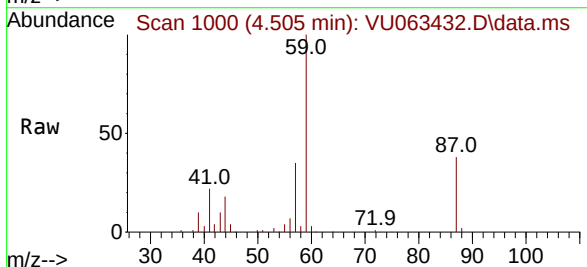
Manual Integrations
APPROVED

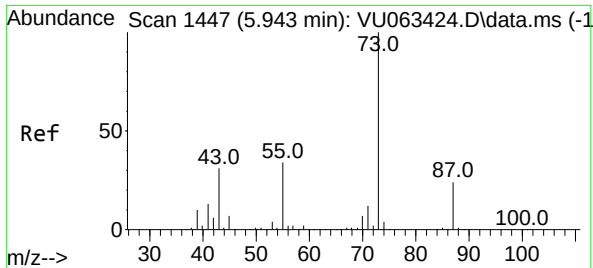
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 1.944 ug/l
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 59 Resp: 80511
Ion Ratio Lower Upper
59 100
87 37.2 29.9 44.9





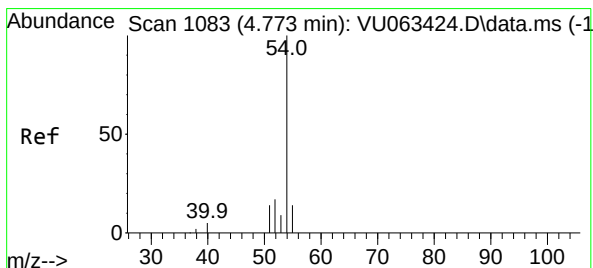
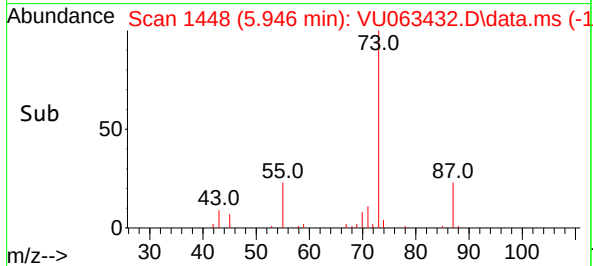
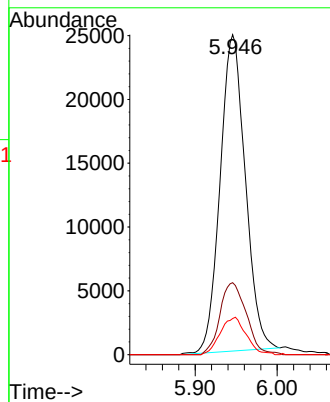
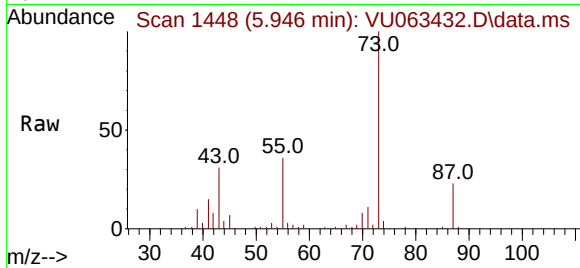
#33
Tert-Amyl methyl ether
Concen: 1.785 ug/l
RT: 5.946 min Scan# 1447
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 73 Resp: 52925
Ion Ratio Lower Upper
73 100
87 23.9 18.1 27.1
71 12.2 10.0 15.0

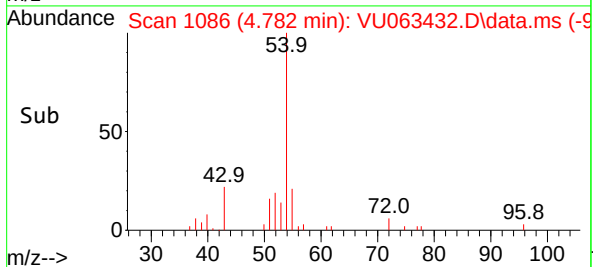
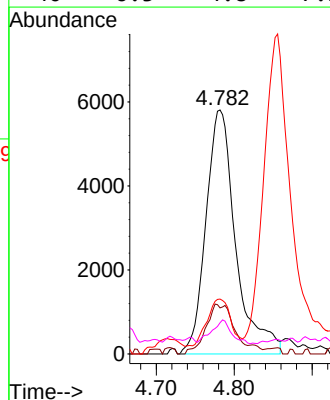
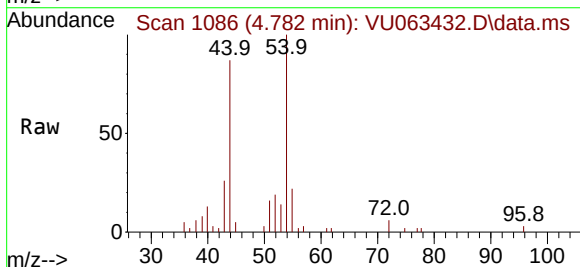
Manual Integrations
APPROVED

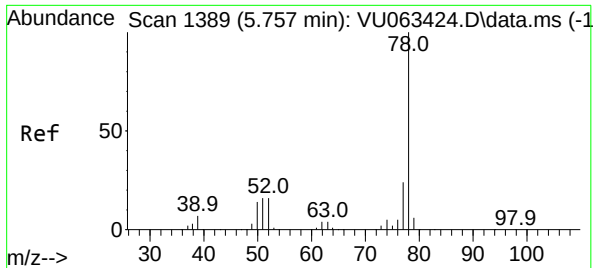
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#34
Propionitrile
Concen: 9.989 ug/l
RT: 4.782 min Scan# 1086
Delta R.T. 0.009 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 54 Resp: 15425
Ion Ratio Lower Upper
54 100
52 18.7 14.8 22.2
55 15.4 12.2 18.2
40 6.3 4.8 7.2





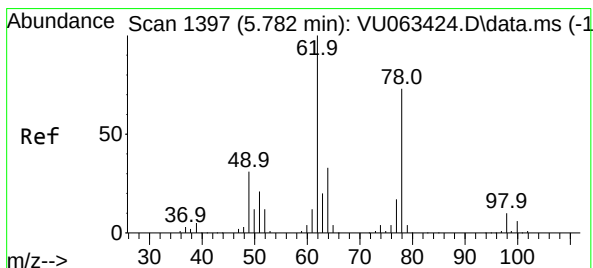
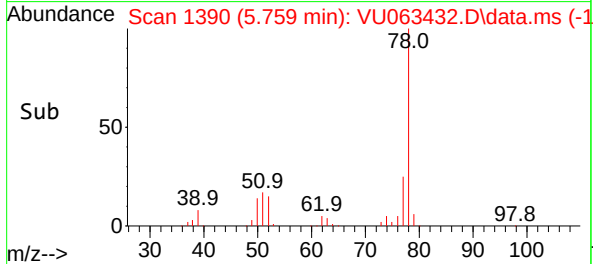
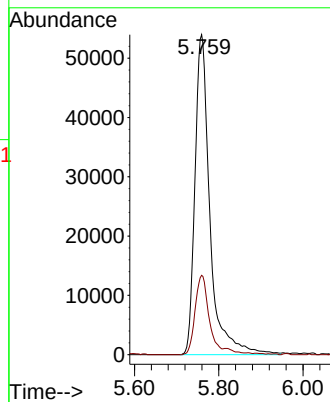
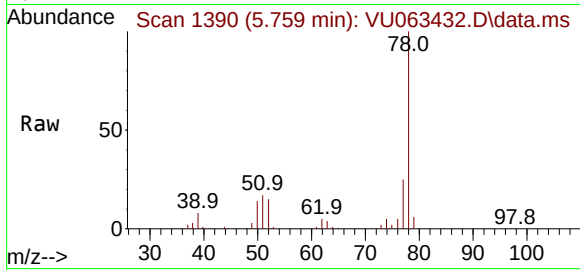
#35
Benzene
Concen: 2.028 ug/l
RT: 5.759 min Scan# 1389
Delta R.T. 0.002 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 78 Resp: 133260
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.2

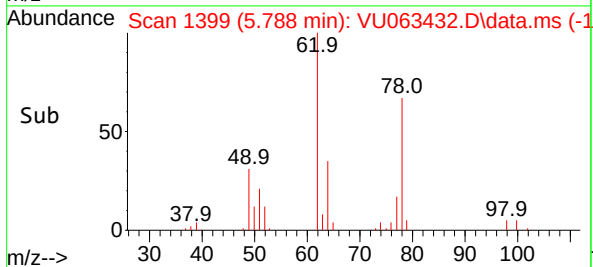
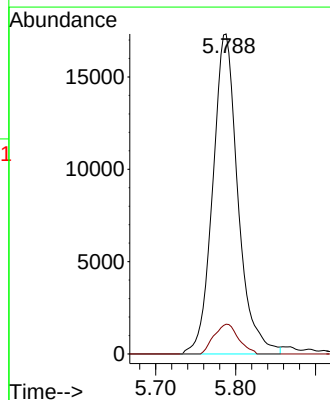
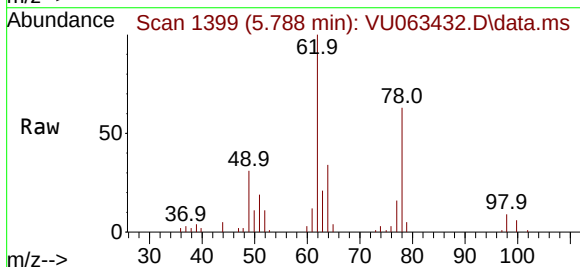
Manual Integrations
APPROVED

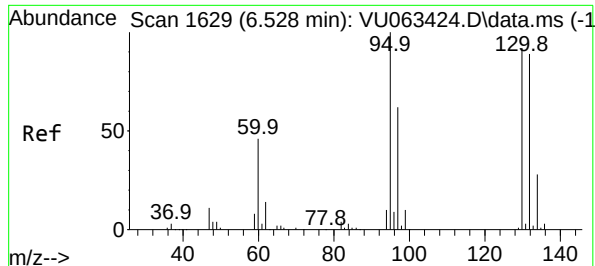
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 1.975 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 62 Resp: 37941
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7





#37

Trichloroethene

Concen: 1.920 ug/l

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:130 Resp: 29814

Ion Ratio Lower Upper

130 100

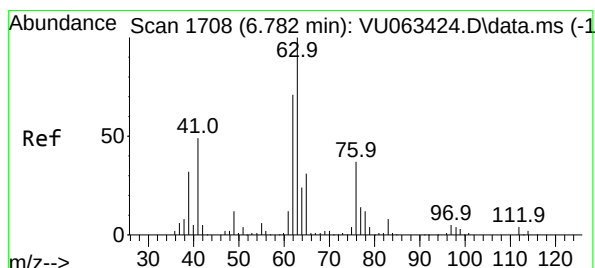
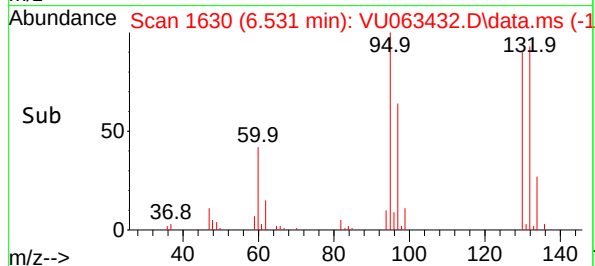
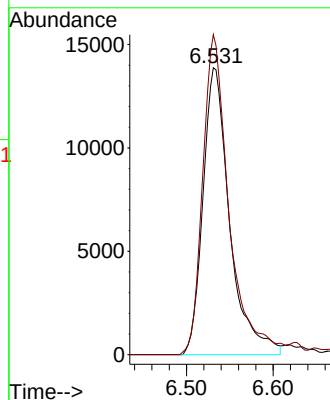
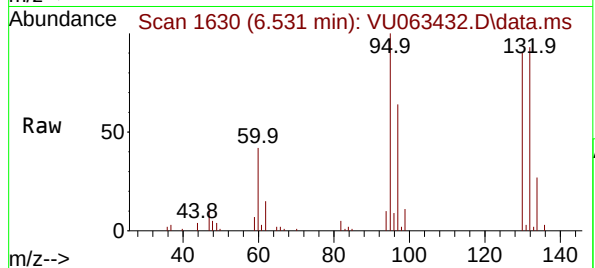
95 111.5 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 1.957 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. 0.003 min

Lab File: VU063432.D

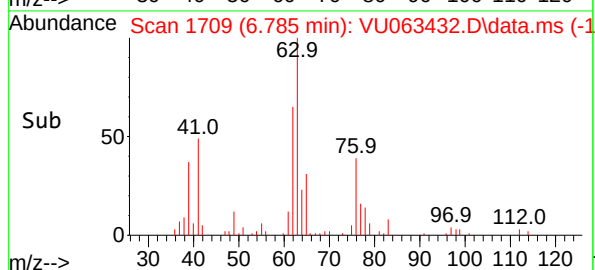
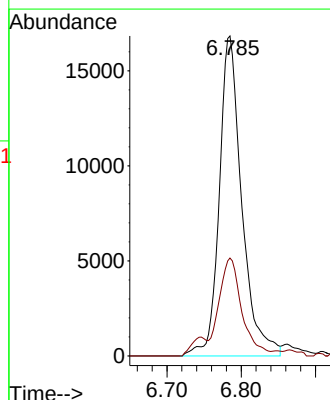
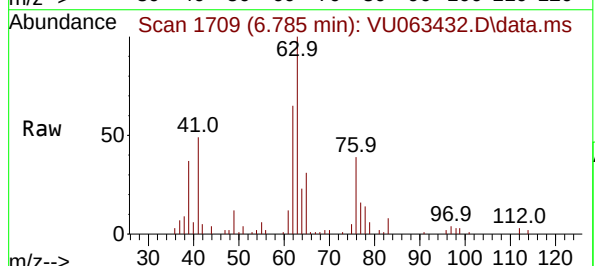
Acq: 24 Jun 2025 11:48

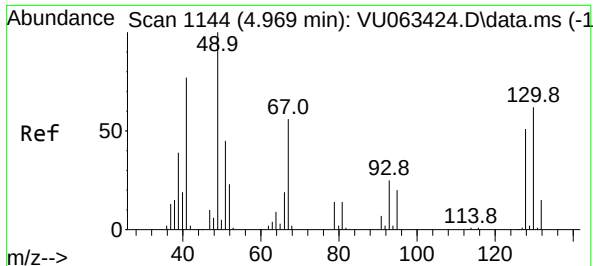
Tgt Ion: 63 Resp: 35505

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6





#39

Methacrylonitrile

Concen: 1.905 ug/l m

RT: 4.975 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion: 41 Resp: 1223

Ion Ratio Lower Upper

41 100

67 73.5 59.8 89.8

39 54.1 40.7 61.1

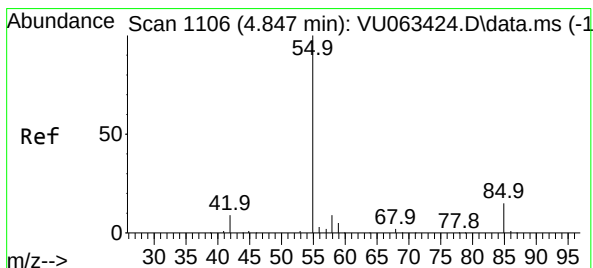
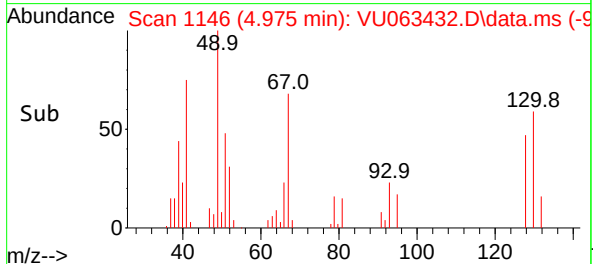
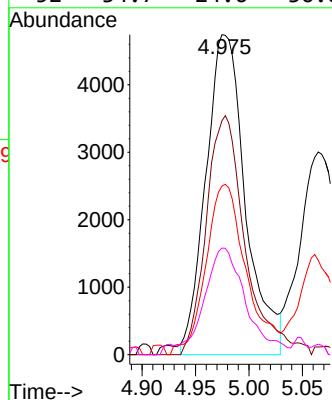
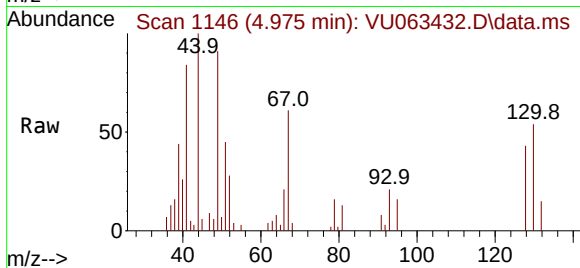
52 34.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 1.870 ug/l

RT: 4.856 min Scan# 1109

Delta R.T. 0.009 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion: 55 Resp: 16865

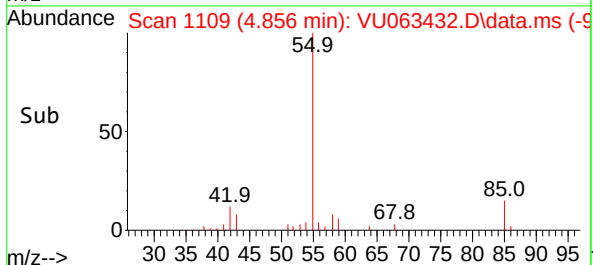
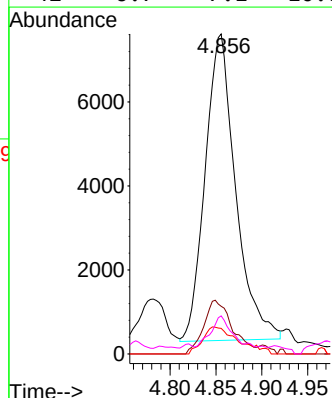
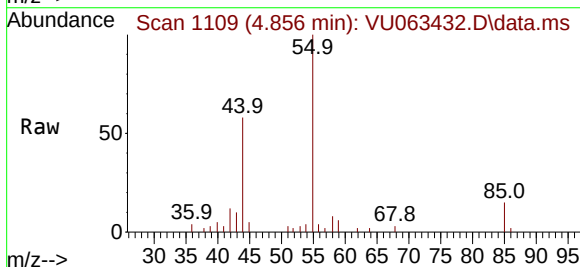
Ion Ratio Lower Upper

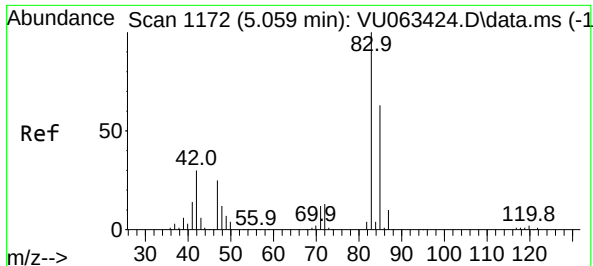
55 100

85 16.5 12.6 19.0

58 10.2 6.9 10.3

42 6.7 7.1 10.7#





#41

Tetrahydrofuran

Concen: 3.692 ug/l

RT: 5.065 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

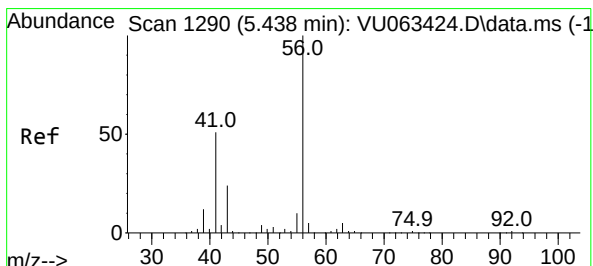
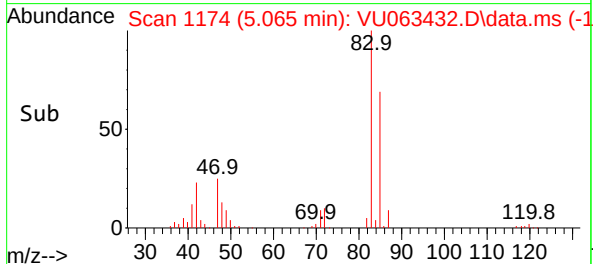
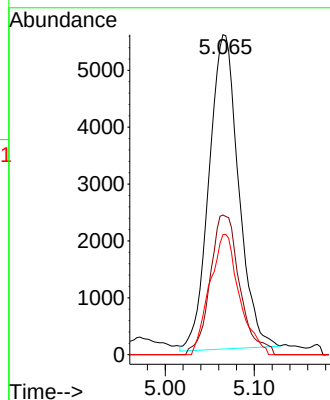
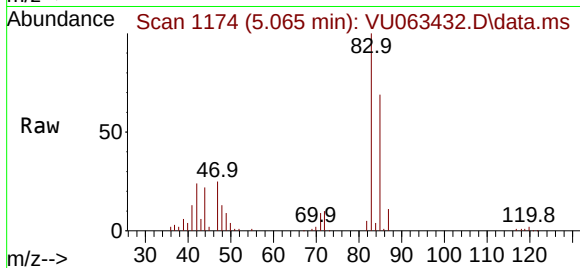
VU0624WBS01

Tgt Ion:	42	Resp:	1275
Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.4	53.2
71	38.2	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#42

1-Chlorobutane

Concen: 1.794 ug/l

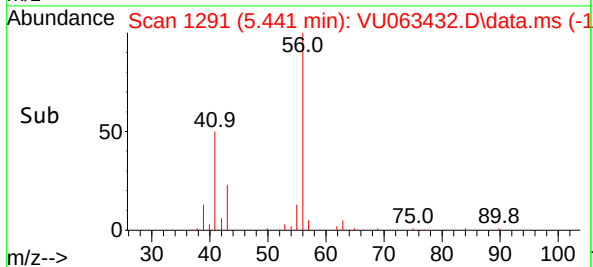
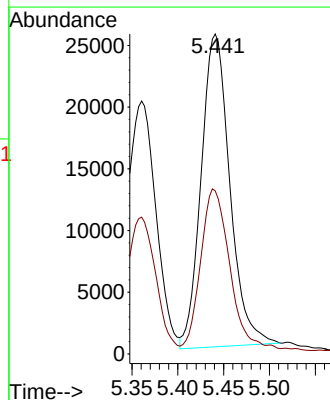
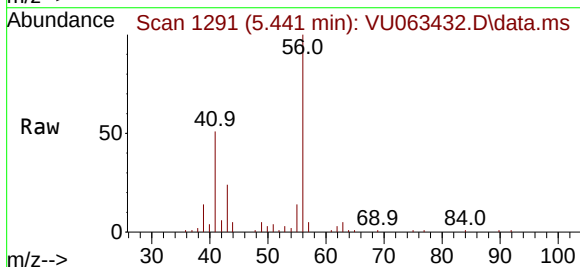
RT: 5.441 min Scan# 1291

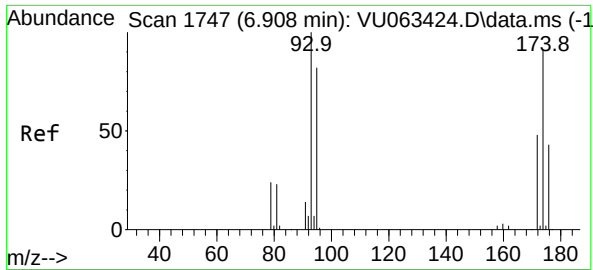
Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

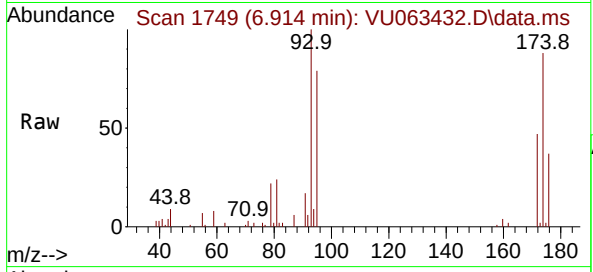
Tgt Ion:	56	Resp:	55270
Ion	Ratio	Lower	Upper
56	100		
41	52.3	26.4	79.0





#43
Dibromomethane
Concen: 2.001 ug/l
RT: 6.914 min Scan# 1749
Delta R.T. 0.005 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

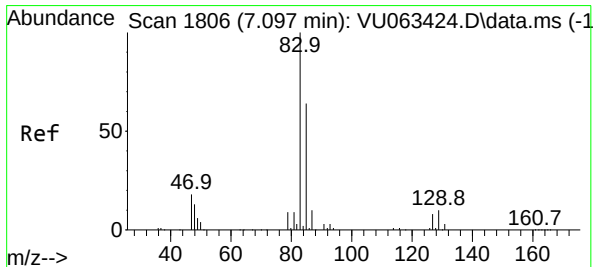
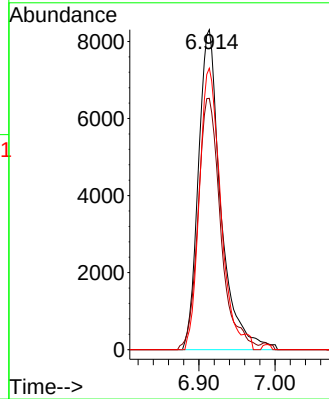
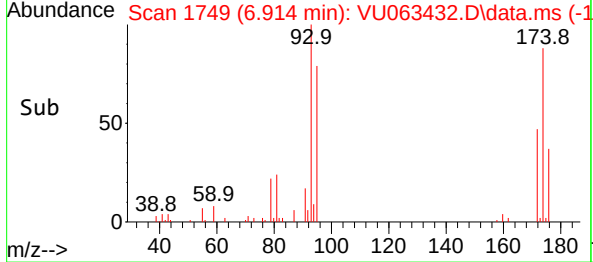
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



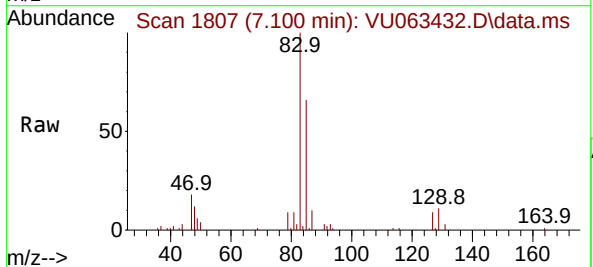
Tgt Ion: 93 Resp: 1696
Ion Ratio Lower Upper
93 100
95 79.4 66.7 100.1
174 84.1 71.1 106.7

Manual Integrations
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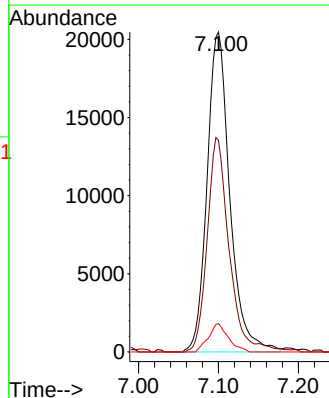
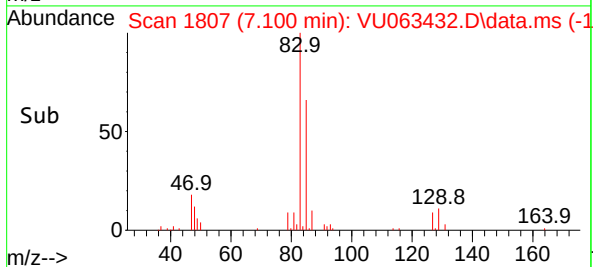
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

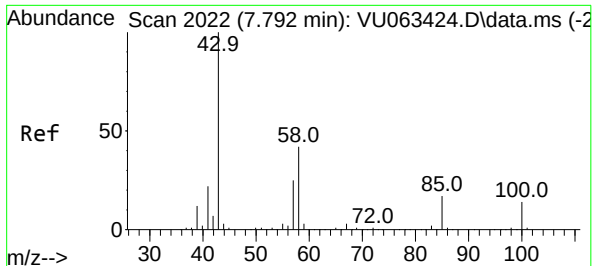


#44
Bromodichloromethane
Concen: 1.965 ug/l
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48



Tgt Ion: 83 Resp: 40566
Ion Ratio Lower Upper
83 100
85 66.2 51.4 77.2
127 9.9 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 8.731 ug/l

RT: 7.798 min Scan# 2022

Delta R.T. 0.006 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

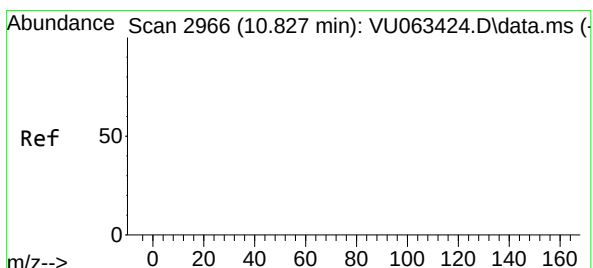
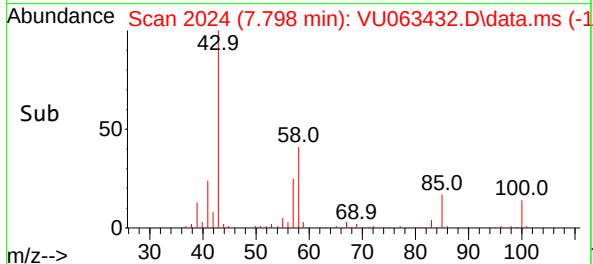
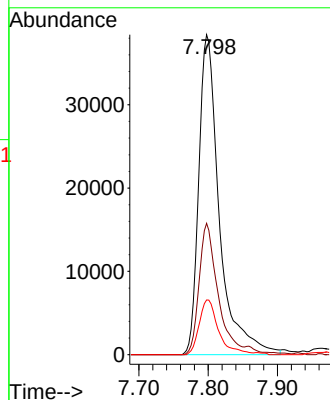
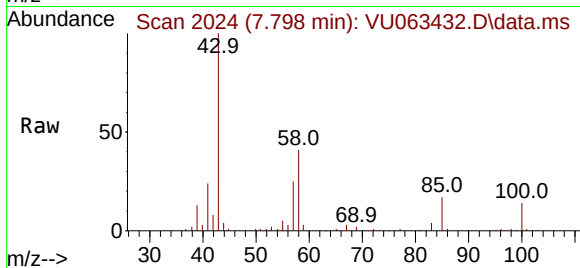
VU0624WBS01

Tgt Ion:	43	Resp:	7944
Ion Ratio	Lower	Upper	
43	100		
58	37.2	20.5	61.6
85	16.1	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 4.115 ug/l m

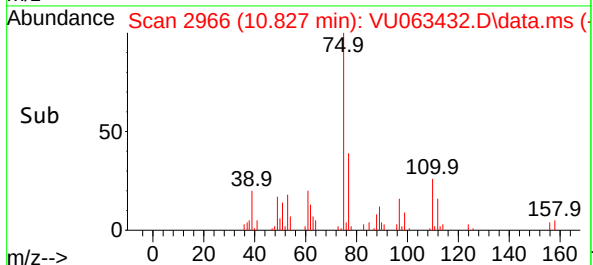
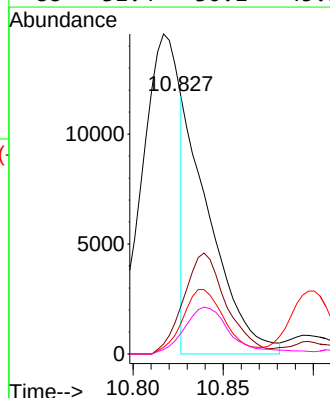
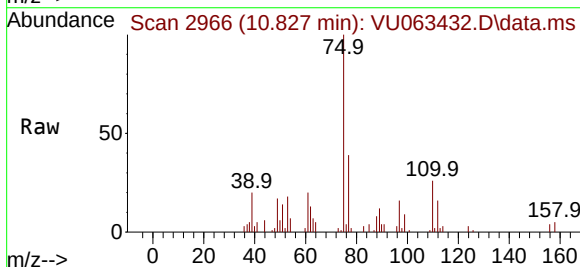
RT: 10.827 min Scan# 2966

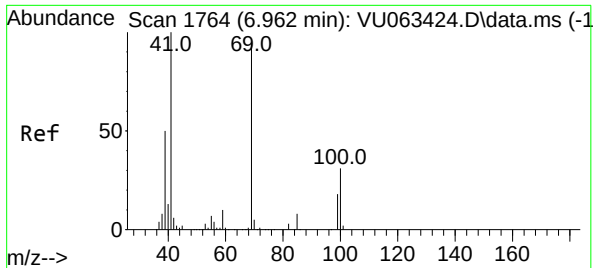
Delta R.T. -0.000 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

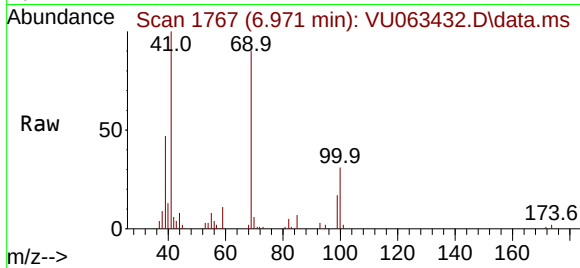
Tgt Ion:	75	Resp:	12308
Ion Ratio	Lower	Upper	
75	100		
53	61.5	61.4	92.2
89	38.9	39.2	58.8#
88	31.4	30.1	45.1





#47
Methyl methacrylate
Concen: 3.614 ug/l
RT: 6.971 min Scan# 1767
Delta R.T. 0.009 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

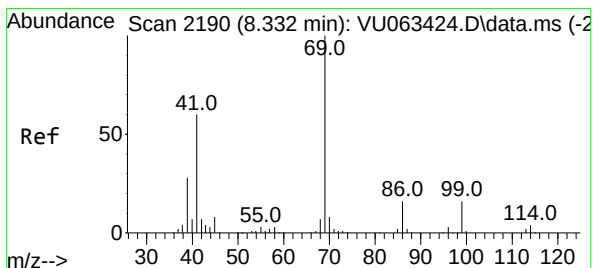
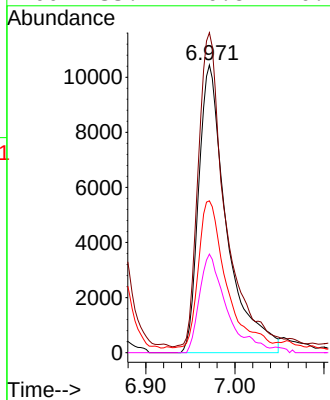
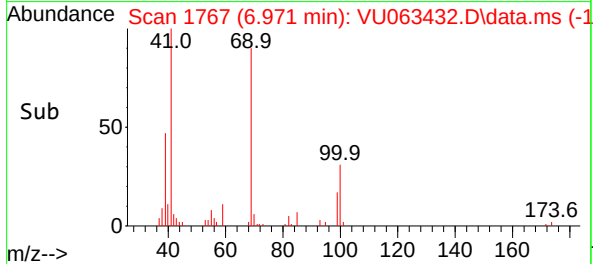
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



Tgt Ion: 69 Resp: 22850
Ion Ratio Lower Upper
69 100
41 104.7 0.0 212.6
39 49.3 40.6 61.0
100 33.2 26.8 40.2

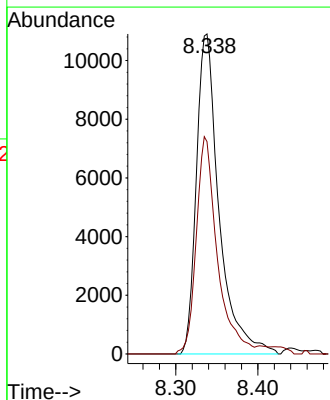
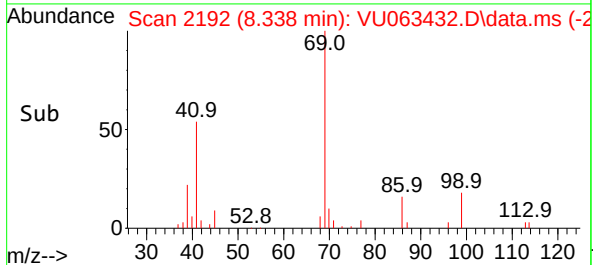
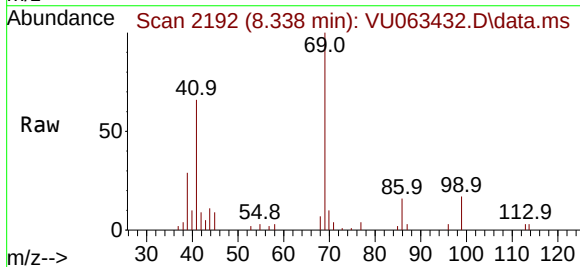
Manual Integrations
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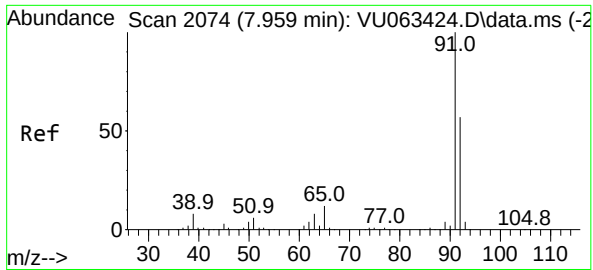
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#48
Ethyl methacrylate
Concen: 1.891 ug/l
RT: 8.338 min Scan# 2192
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 69 Resp: 20945
Ion Ratio Lower Upper
69 100
41 63.1 30.6 92.0





#49

Toluene

Concen: 1.876 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion: 92 Resp: 67670

Ion Ratio Lower Upper

92 100

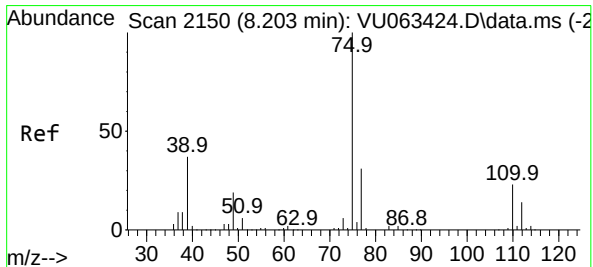
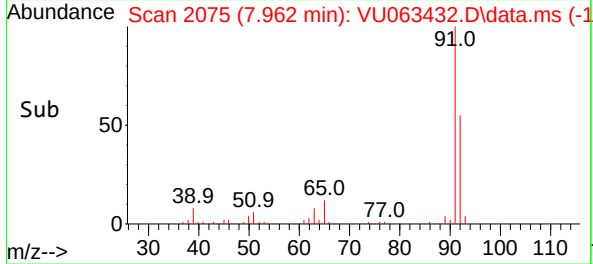
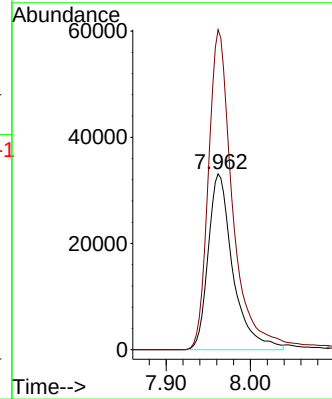
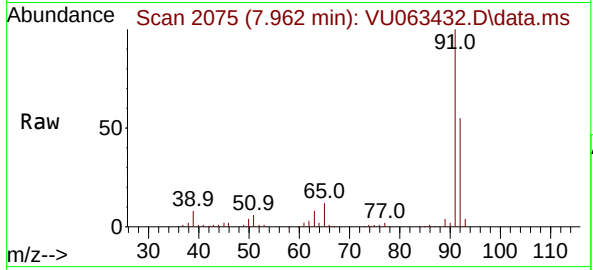
91 182.9 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#50

t-1,3-Dichloropropene

Concen: 1.774 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063432.D

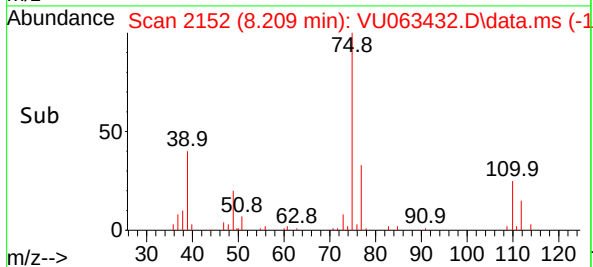
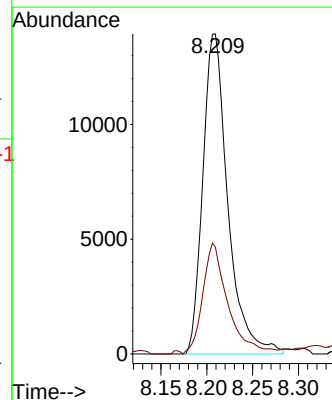
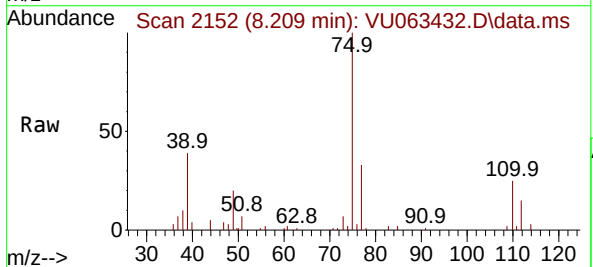
Acq: 24 Jun 2025 11:48

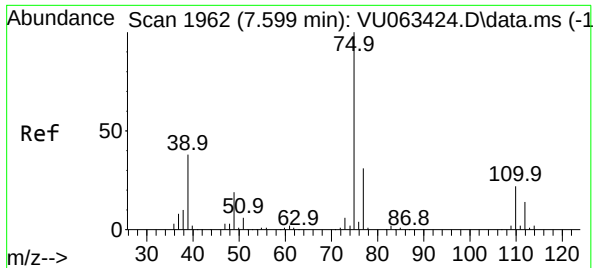
Tgt Ion: 75 Resp: 26422

Ion Ratio Lower Upper

75 100

77 33.4 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 1.843 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

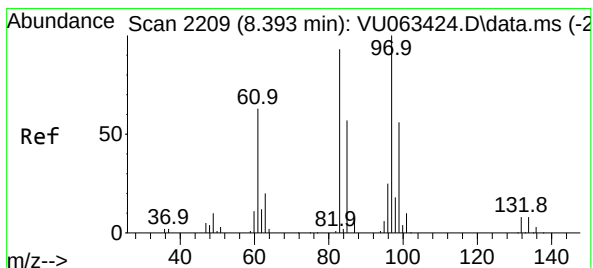
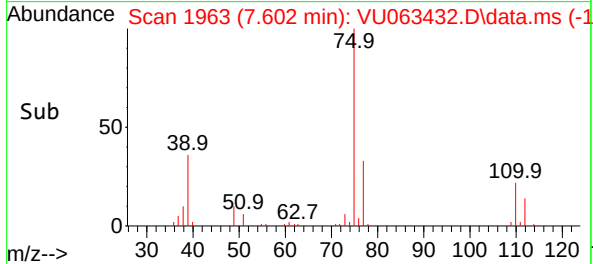
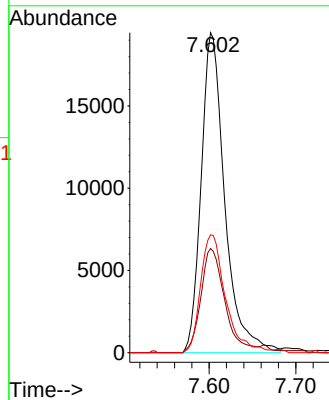
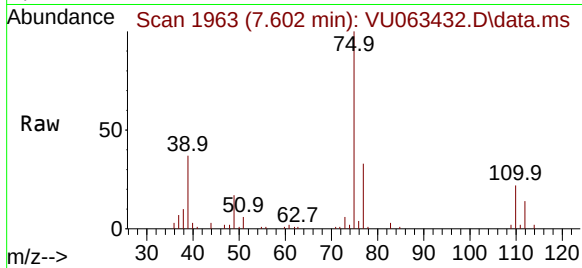
Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:	75	Resp:	3685
Ion Ratio	Lower	Upper	
75	100		
77	32.6	24.8	37.2
39	36.9	30.7	46.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#52

1,1,2-Trichloroethane

Concen: 1.887 ug/l

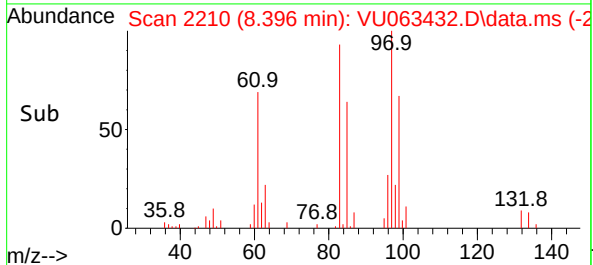
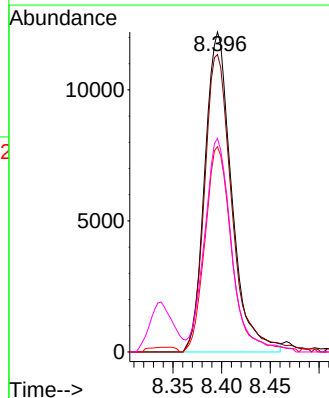
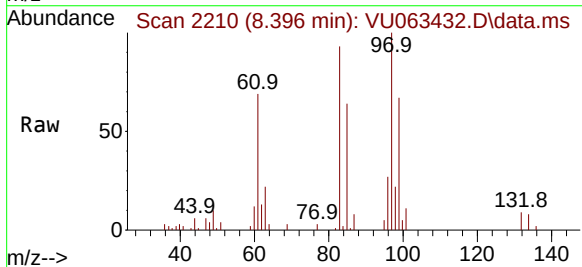
RT: 8.396 min Scan# 2210

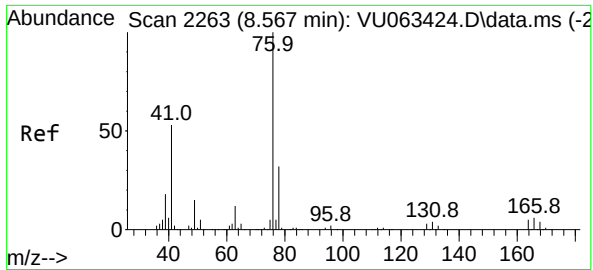
Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:	97	Resp:	23388
Ion Ratio	Lower	Upper	
97	100		
83	93.0	74.1	111.1
85	64.2	45.8	68.8
99	65.0	50.2	75.4





#53

1,3-Dichloropropane

Concen: 1.958 ug/l

RT: 8.569 min Scan# 21

Delta R.T. 0.002 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion: 76 Resp: 4174

Ion Ratio Lower Upper

76 100

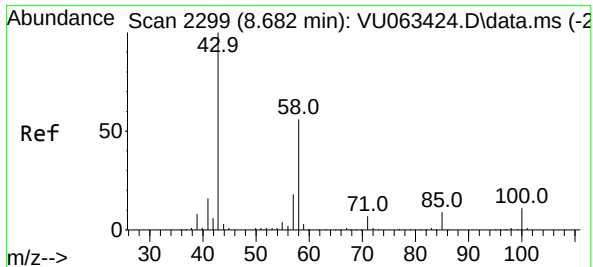
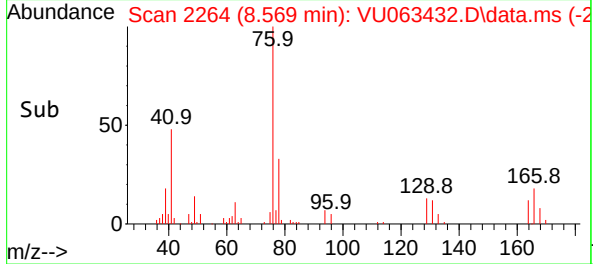
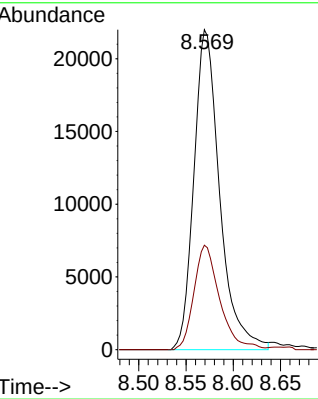
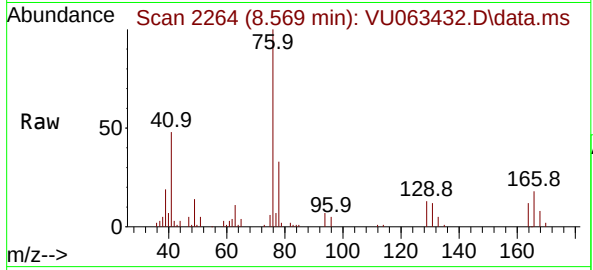
78 32.6 25.7 38.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#54

2-Hexanone

Concen: 8.736 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.010 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

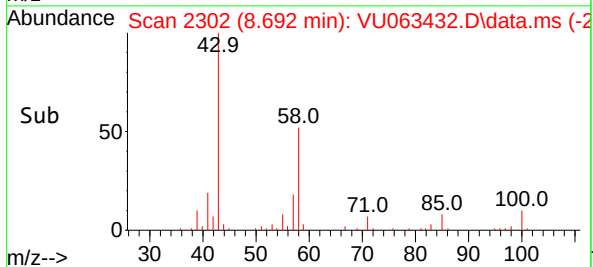
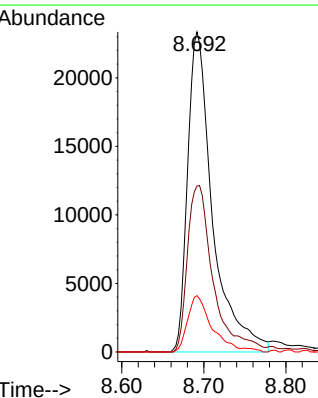
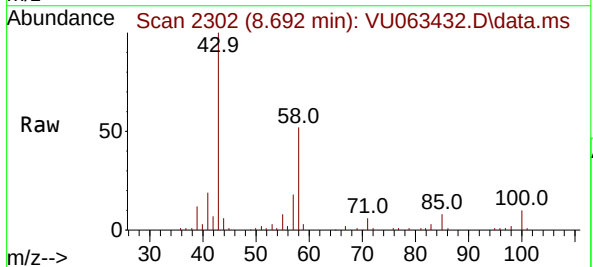
Tgt Ion: 43 Resp: 49438

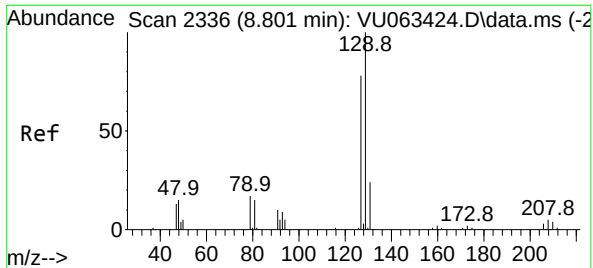
Ion Ratio Lower Upper

43 100

58 53.4 36.9 76.9

57 16.8 0.0 38.8





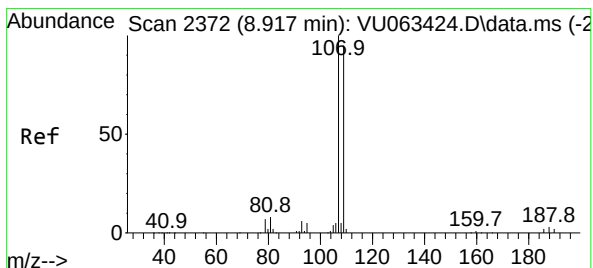
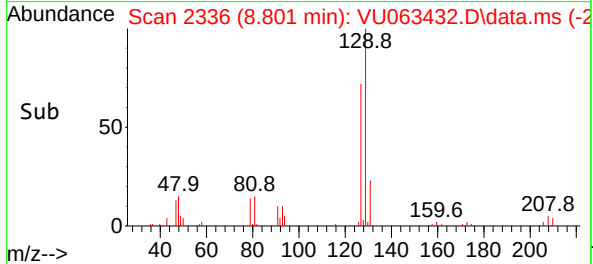
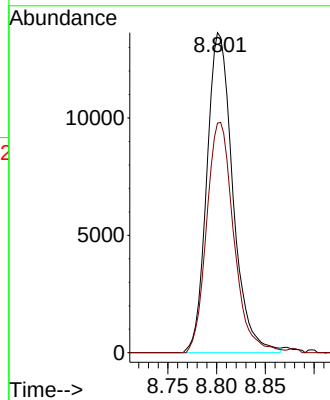
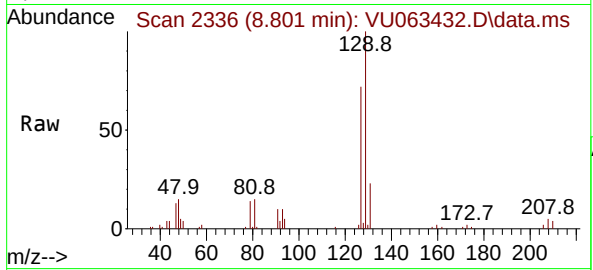
#55
Dibromochloromethane
Concen: 1.979 ug/l
RT: 8.801 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion:129 Resp: 25308
Ion Ratio Lower Upper
129 100
127 75.0 62.6 93.8

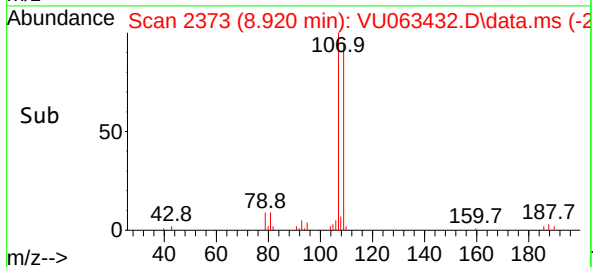
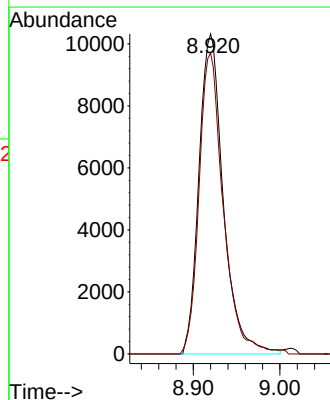
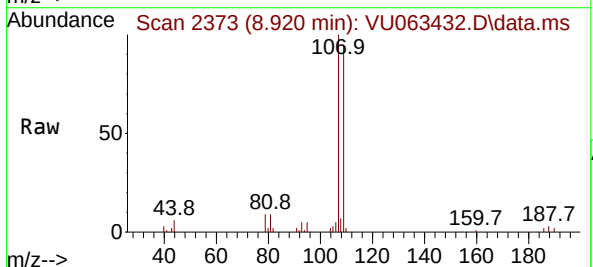
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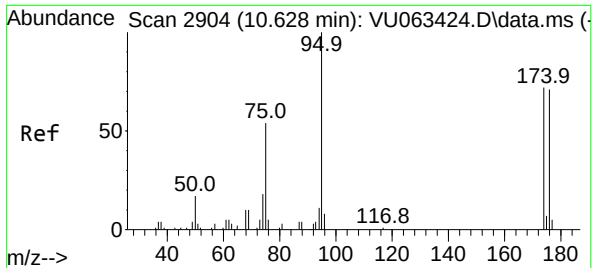
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#56
1,2-Dibromoethane
Concen: 2.005 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

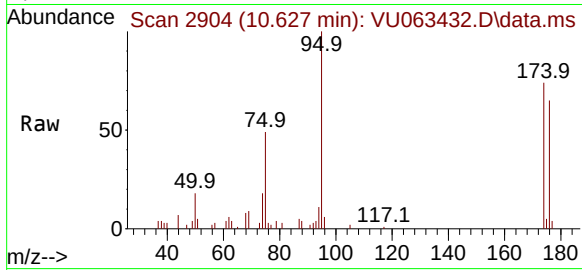
Tgt Ion:107 Resp: 20144
Ion Ratio Lower Upper
107 100
109 93.6 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 1.002 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

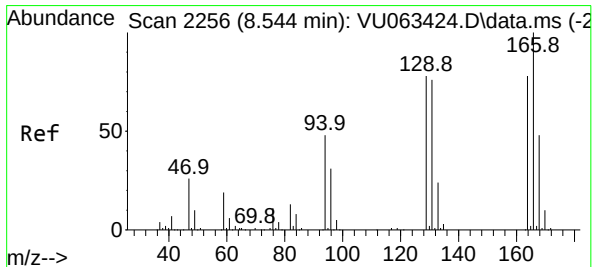
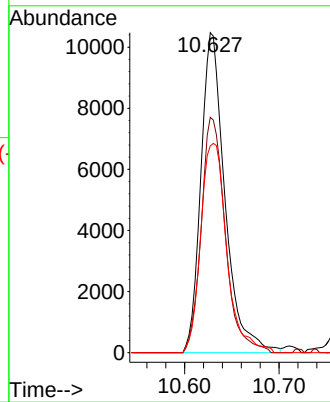
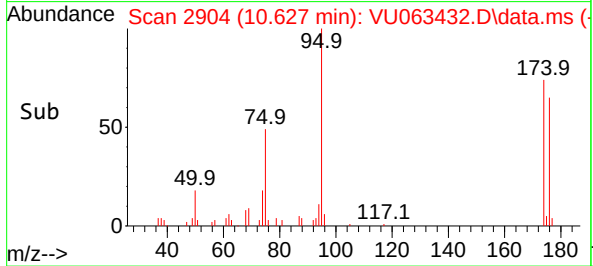
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



Tgt Ion: 95 Resp: 1854
Ion Ratio Lower Upper
95 100
174 73.2 59.4 89.2
176 70.7 57.8 86.6

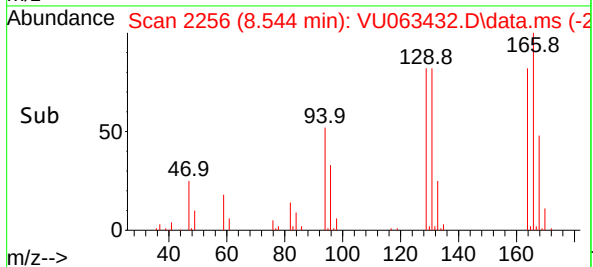
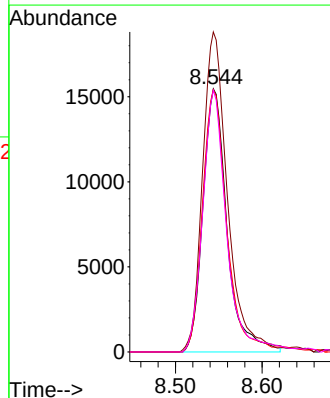
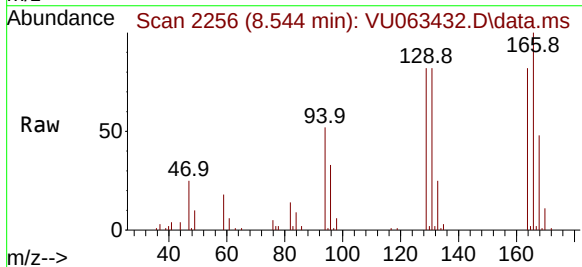
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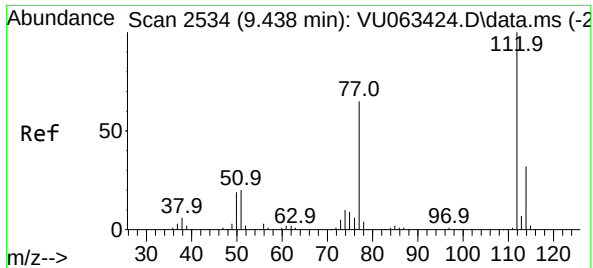
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#58
Tetrachloroethene
Concen: 1.951 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion:164 Resp: 29722
Ion Ratio Lower Upper
164 100
166 121.6 102.8 154.2
129 99.7 80.2 120.2
131 99.4 77.9 116.9





#59

Chlorobenzene

Concen: 1.907 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:112 Resp: 7365

Ion Ratio Lower Upper

112 100

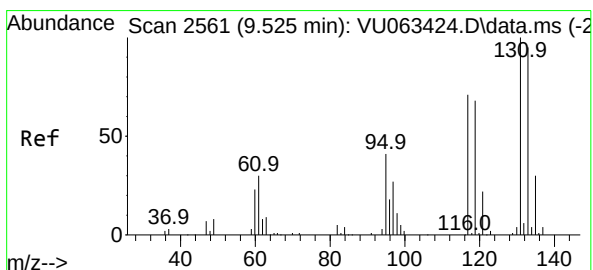
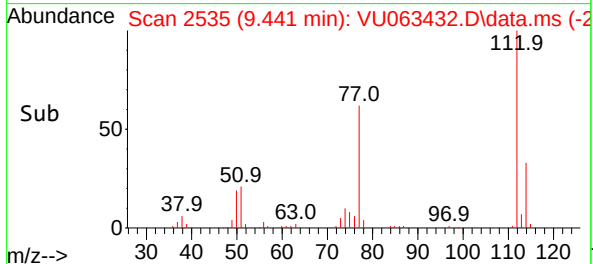
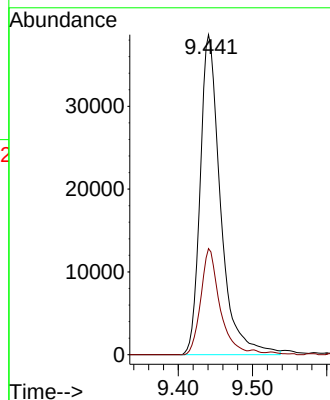
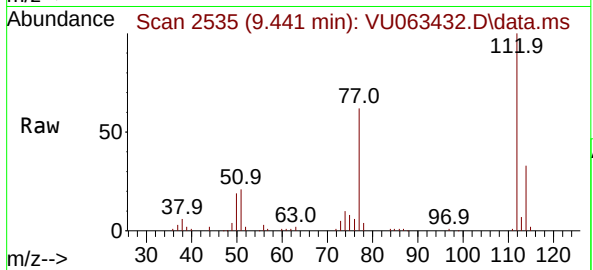
114 33.1 25.7 38.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.946 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

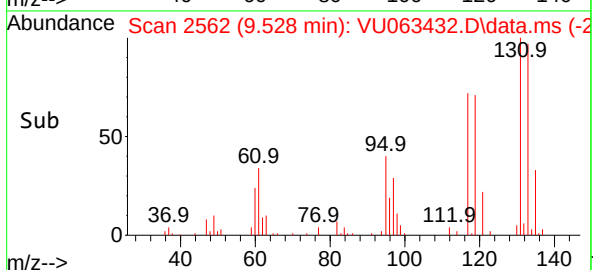
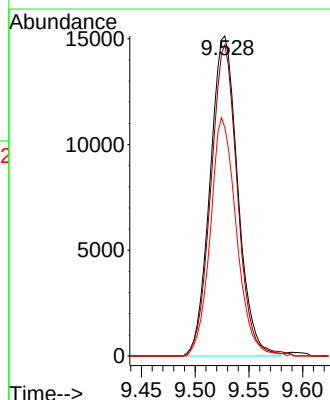
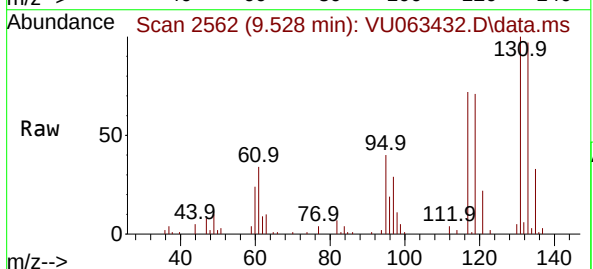
Tgt Ion:131 Resp: 27055

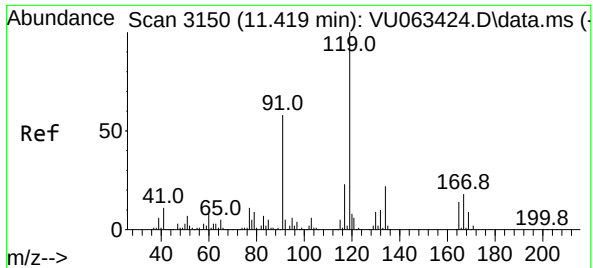
Ion Ratio Lower Upper

131 100

133 93.7 76.1 114.1

119 70.3 53.7 80.5





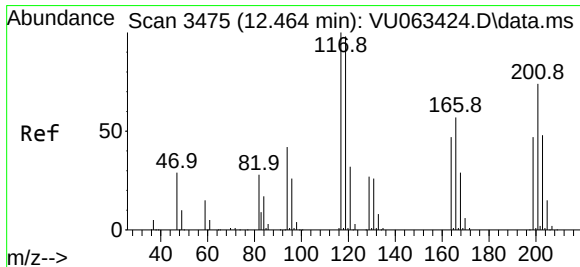
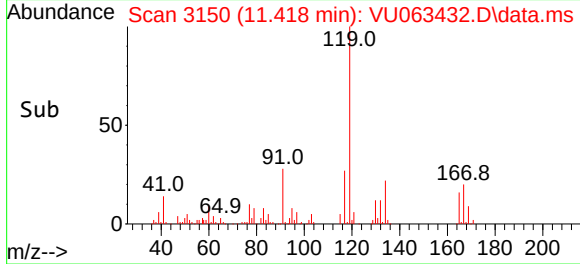
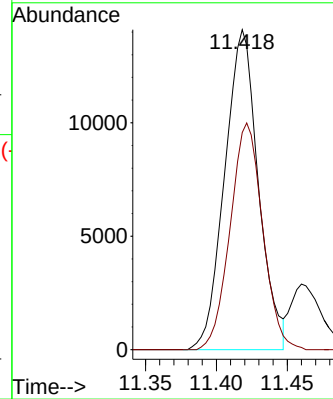
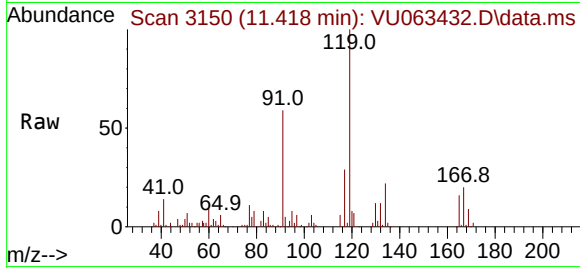
#61
Pentachloroethane
Concen: 2.061 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion:117 Resp: 23339
Ion Ratio Lower Upper
117 100
167 68.3 58.1 87.1

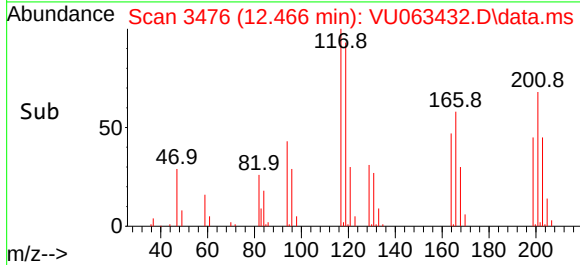
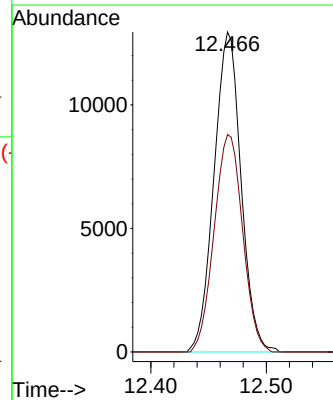
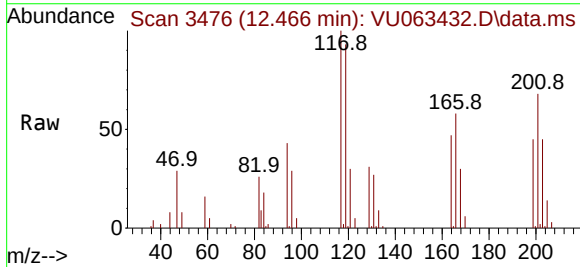
Manual Integrations
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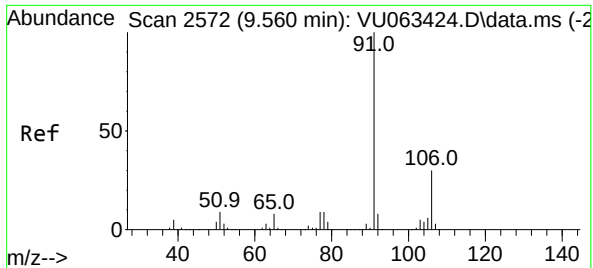
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 2.068 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion:117 Resp: 21061
Ion Ratio Lower Upper
117 100
201 71.6 60.4 90.6





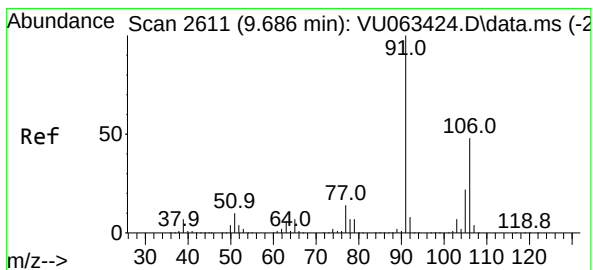
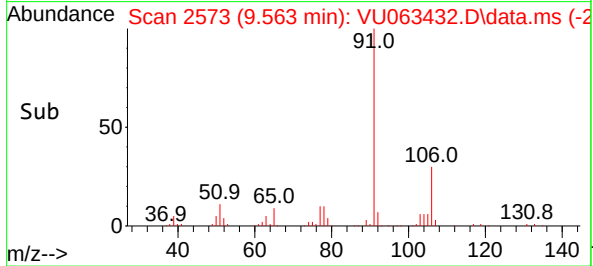
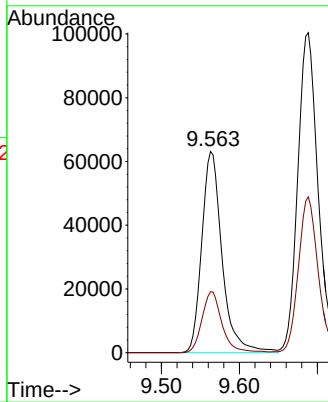
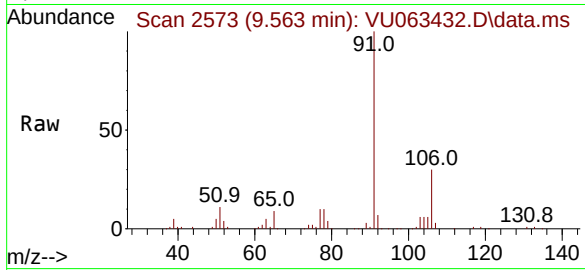
#63
Ethyl Benzene
Concen: 1.847 ug/l
RT: 9.563 min Scan# 21136
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion: 91 Resp: 114369
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2

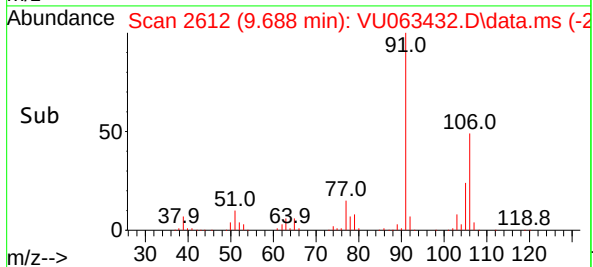
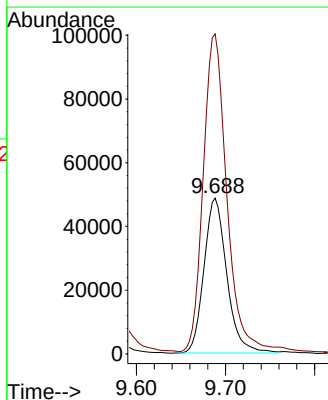
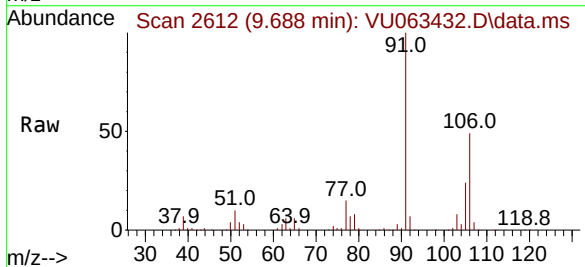
Manual Integrations
APPROVED

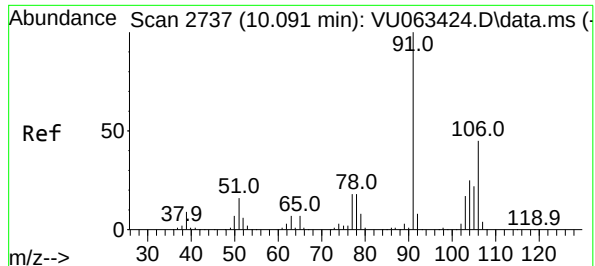
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#64
m/p-Xylenes
Concen: 3.629 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. 0.002 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion:106 Resp: 86586
Ion Ratio Lower Upper
106 100
91 216.5 169.9 254.9





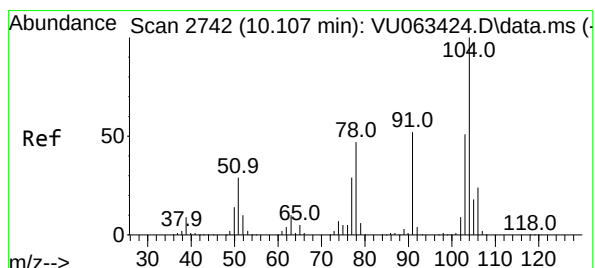
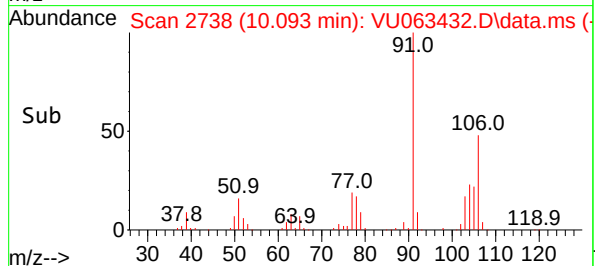
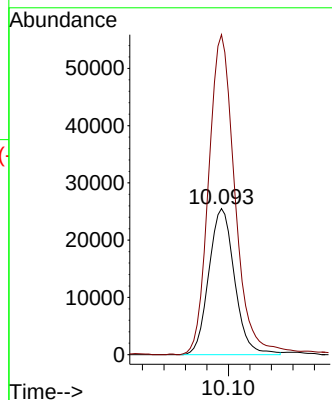
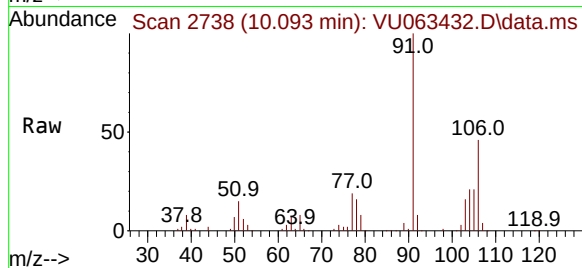
#65
o-Xylene
Concen: 1.804 ug/l
RT: 10.093 min Scan# 2737
Delta R.T. 0.002 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion:106 Resp: 4244
Ion Ratio Lower Upper
106 100
91 224.2 110.8 332.3

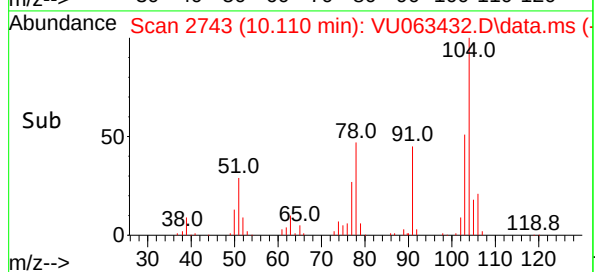
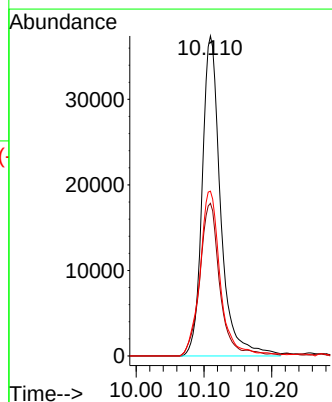
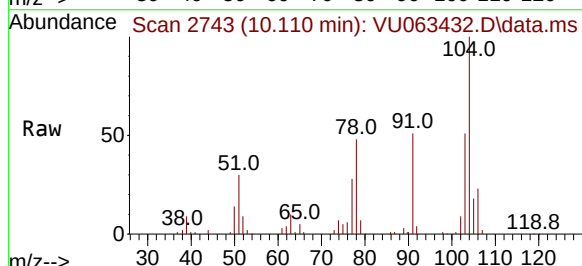
Manual Integrations
APPROVED

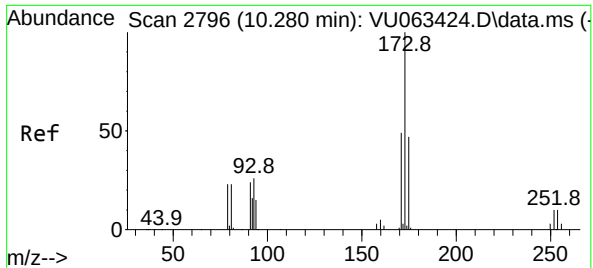
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 1.856 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

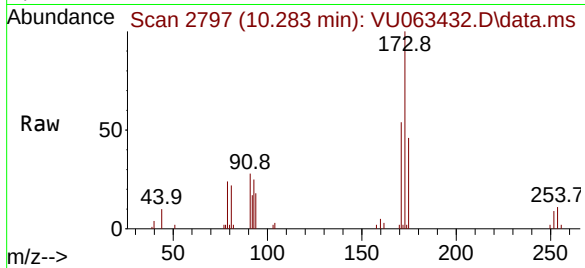
Tgt Ion:104 Resp: 70793
Ion Ratio Lower Upper
104 100
78 50.3 41.6 62.4
103 56.2 44.6 67.0





#67
Bromoform
Concen: 1.866 ug/l
RT: 10.283 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

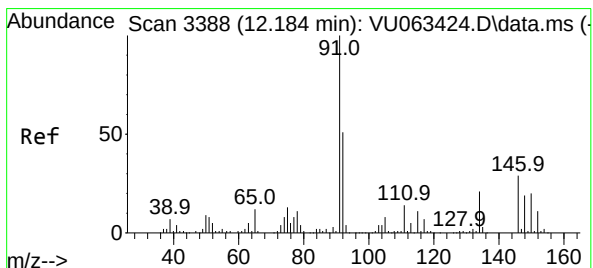
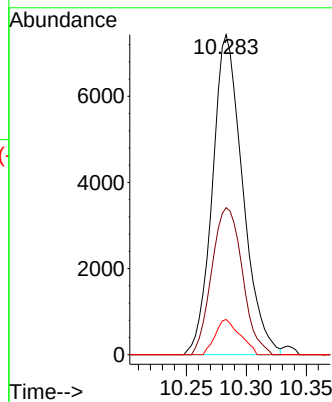
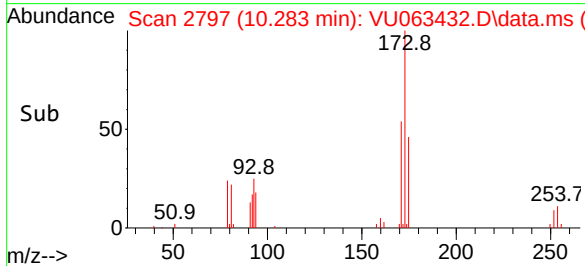
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



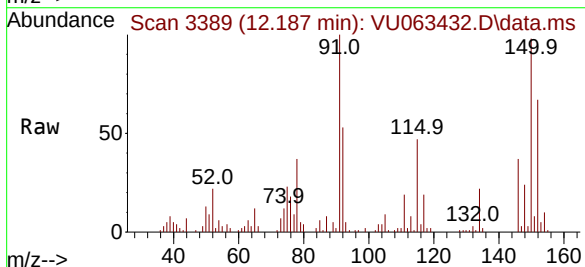
Tgt Ion:173 Resp: 13034
Ion Ratio Lower Upper
173 100
175 46.4 38.2 57.2
254 8.9 7.6 11.4

Manual Integrations
APPROVED

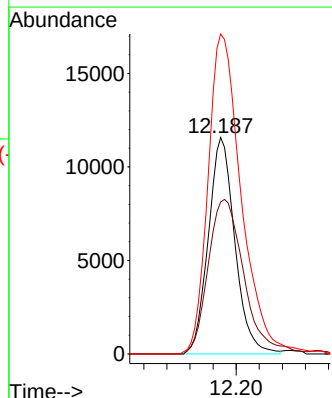
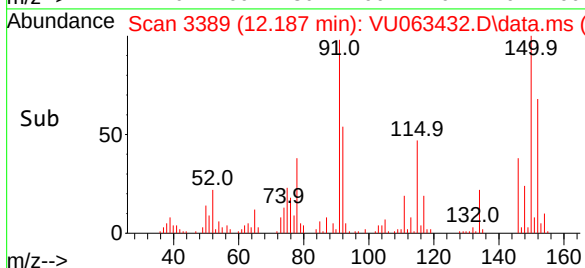
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

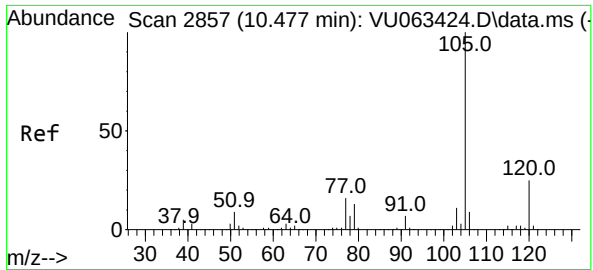


#68
1,2-Dichlorobenzene-d4
Concen: 0.993 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48



Tgt Ion:152 Resp: 18461
Ion Ratio Lower Upper
152 100
115 96.1 0.0 327.6
150 185.4 0.0 664.4





#69

Isopropylbenzene

Concen: 1.880 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.001 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:105 Resp: 10246

Ion Ratio Lower Upper

105 100

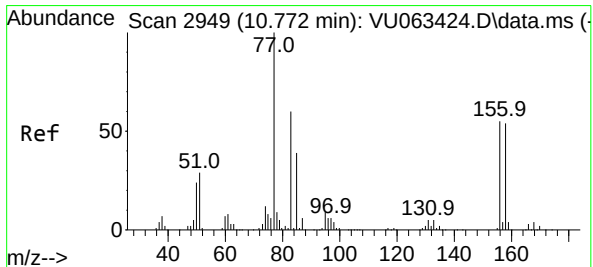
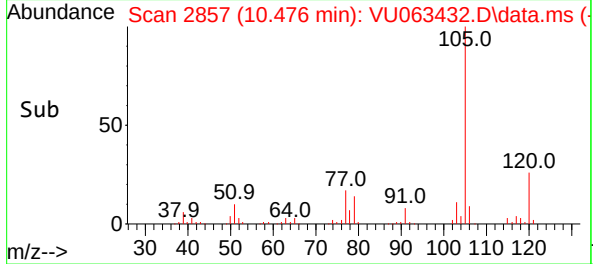
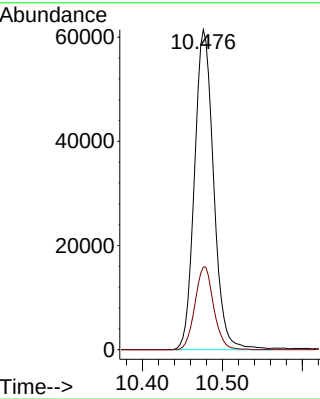
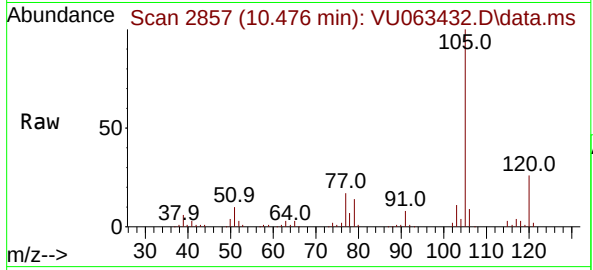
120 25.3 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 2.024 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

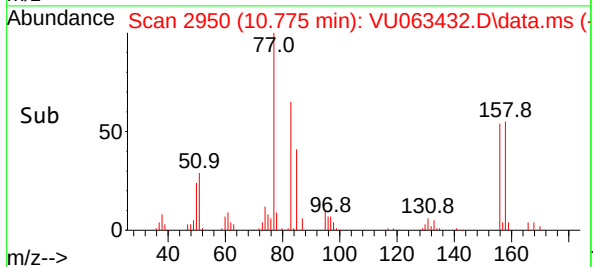
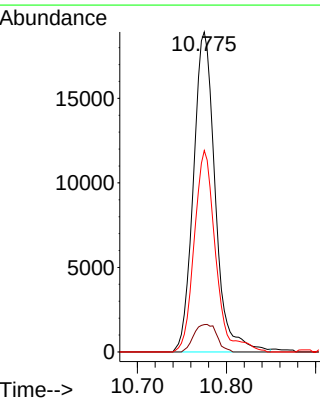
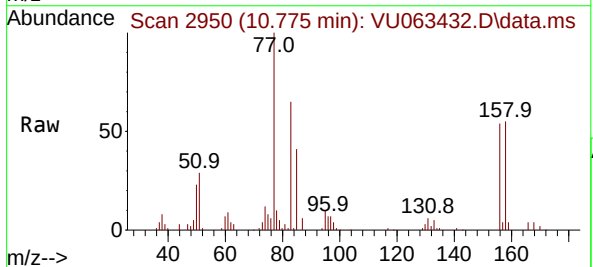
Tgt Ion: 83 Resp: 32083

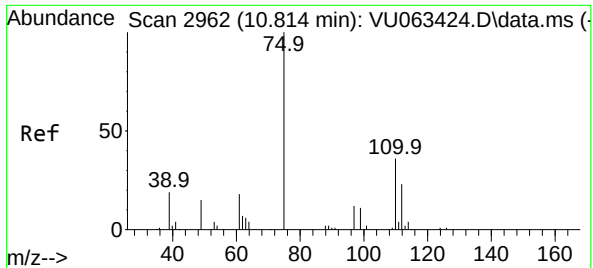
Ion Ratio Lower Upper

83 100

131 9.1 7.4 11.0

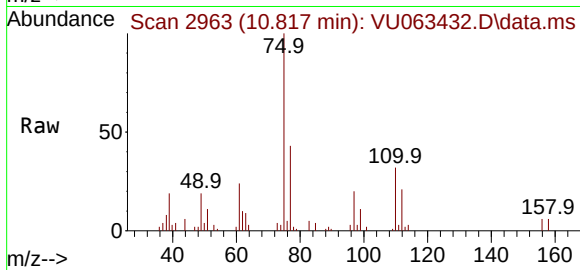
85 61.8 51.3 76.9





#71
1,2,3-Trichloropropane
Concen: 2.052 ug/l m
RT: 10.817 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

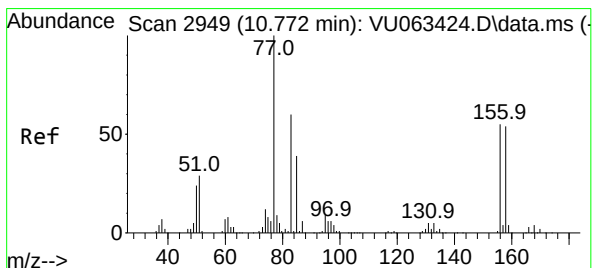
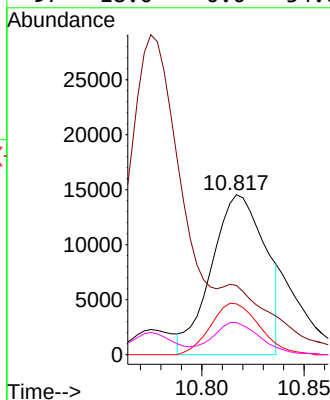
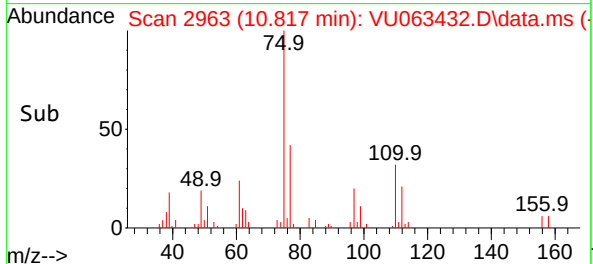
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



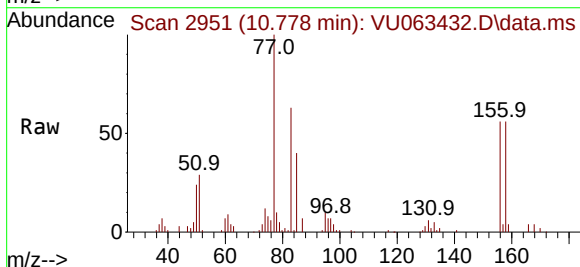
Tgt Ion: 75 Resp: 2656
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 29.4 0.0 63.4
97 18.0 0.0 34.0

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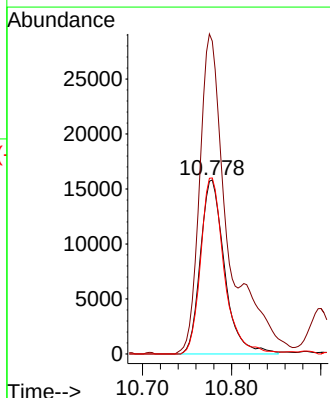
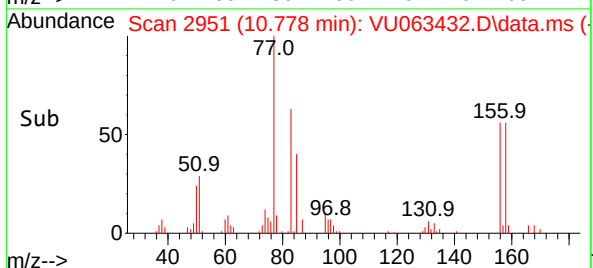
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

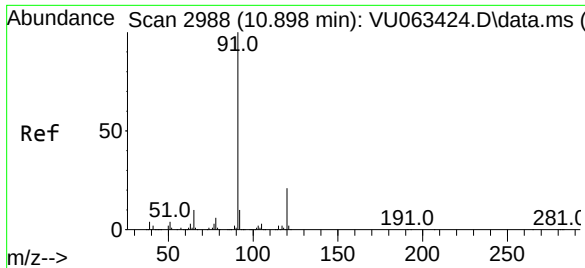


#72
Bromobenzene
Concen: 1.950 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48



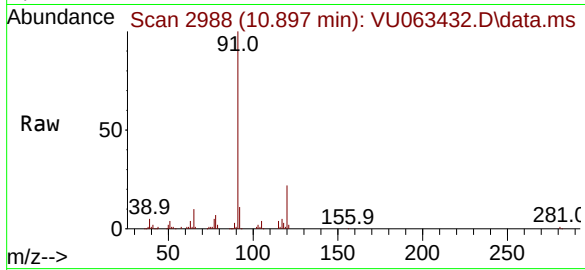
Tgt Ion:156 Resp: 29826
Ion Ratio Lower Upper
156 100
77 177.5 0.0 416.2
158 98.6 0.0 190.6





#73
n-propylbenzene
Concen: 1.895 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. -0.001 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

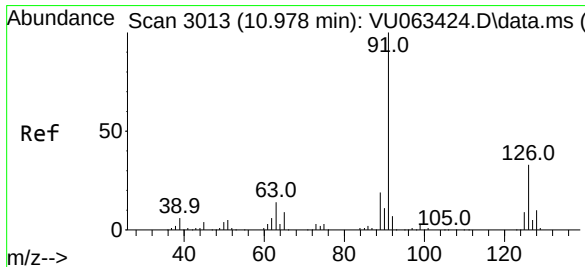
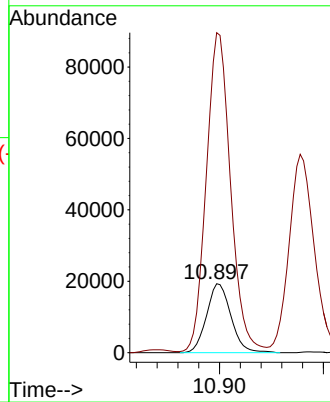
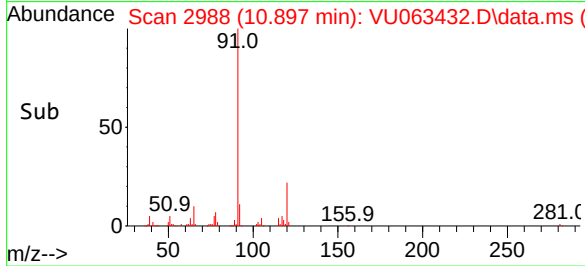
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



Tgt Ion:120 Resp: 31372
Ion Ratio Lower Upper
120 100
91 460.0 373.7 560.5

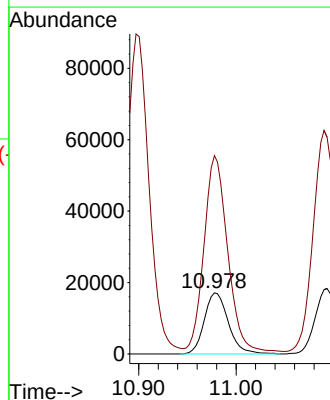
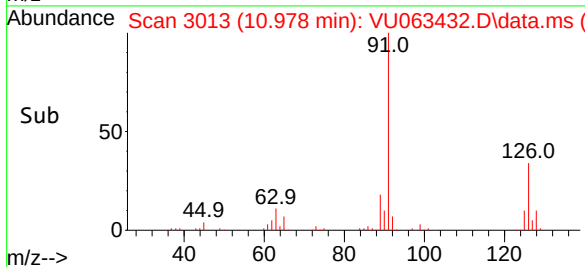
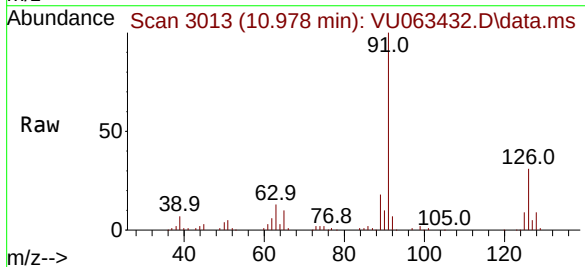
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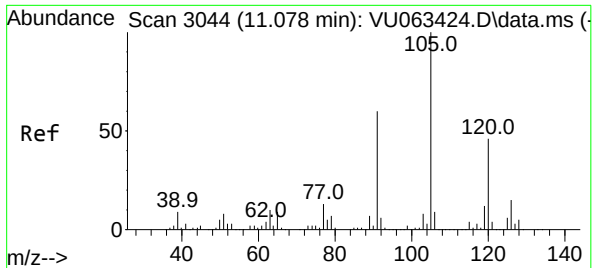
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 1.933 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion:126 Resp: 29231
Ion Ratio Lower Upper
126 100
91 316.8 0.0 650.8





#75

1,3,5-Trimethylbenzene

Concen: 1.842 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:105 Resp: 98718

Ion Ratio Lower Upper

105 100

120 47.9 37.0 55.4

Instrument :

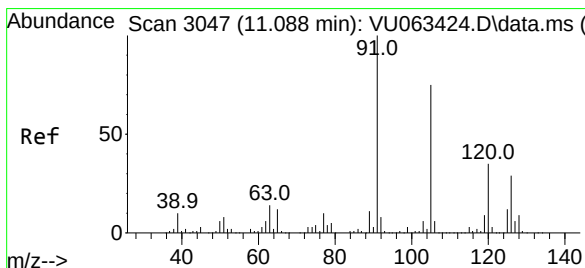
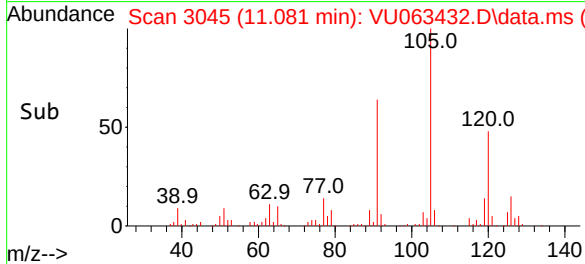
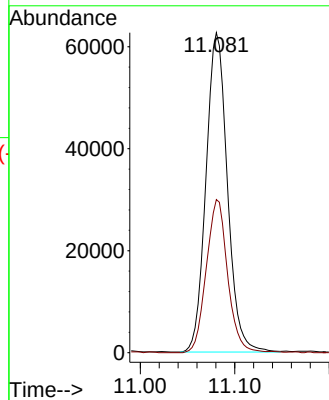
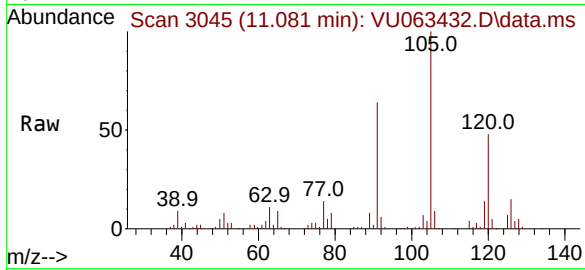
MSVOA_U

ClientSampleId :

VU0624WBS01

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#76

4-Chlorotoluene

Concen: 1.981 ug/l

RT: 11.093 min Scan# 3049

Delta R.T. 0.005 min

Lab File: VU063432.D

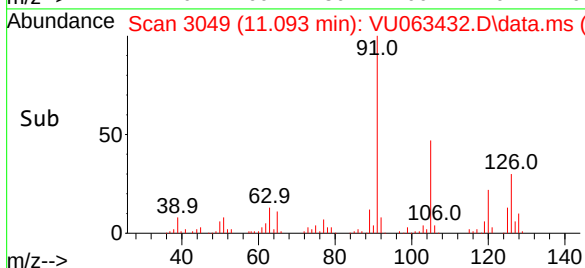
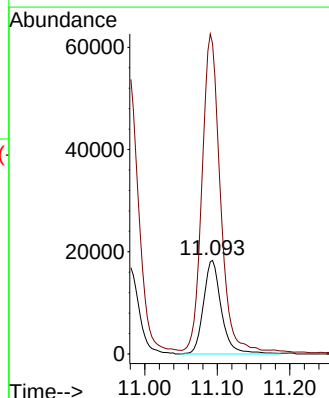
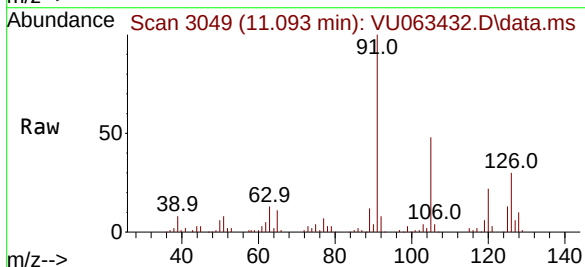
Acq: 24 Jun 2025 11:48

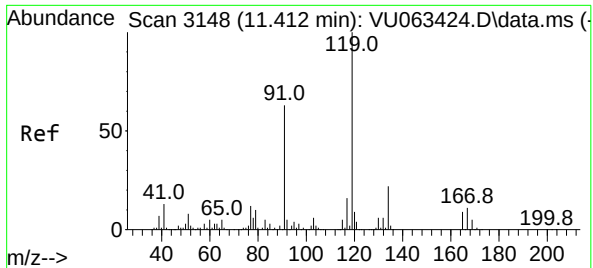
Tgt Ion:126 Resp: 31381

Ion Ratio Lower Upper

126 100

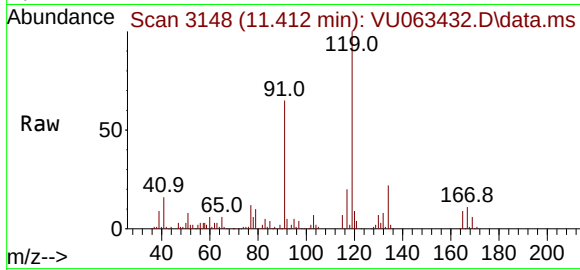
91 339.4 0.0 713.2





#77
tert-Butylbenzene
Concen: 1.906 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

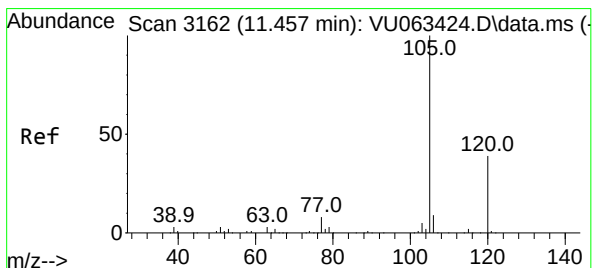
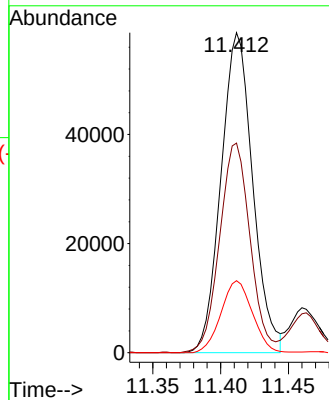
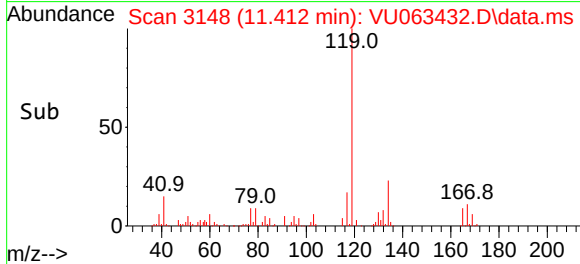
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01



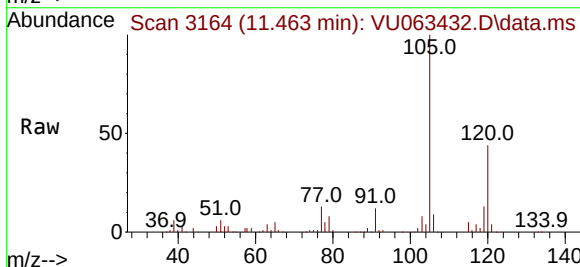
Tgt Ion:119 Resp: 95430
Ion Ratio Lower Upper
119 100
91 62.9 30.9 92.7
134 22.3 17.9 26.9

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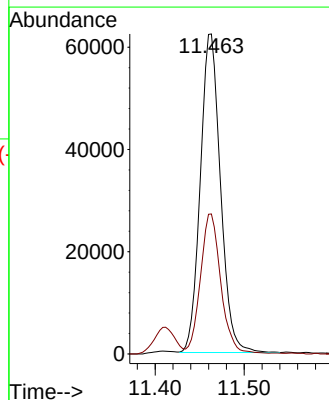
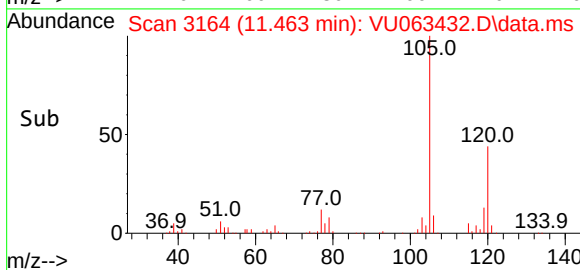
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

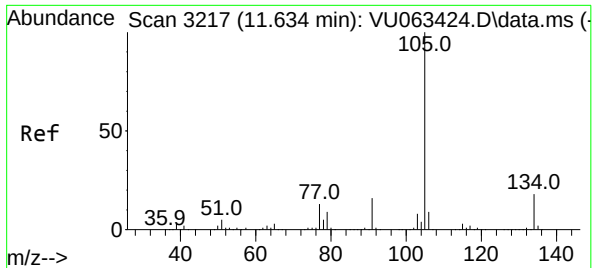


#78
1,2,4-Trimethylbenzene
Concen: 1.844 ug/l
RT: 11.463 min Scan# 3164
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48



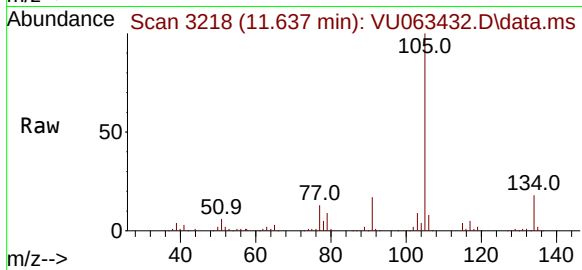
Tgt Ion:105 Resp: 98098
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5





#79
 sec-Butylbenzene
 Concen: 1.943 ug/l
 RT: 11.637 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063432.D
 Acq: 24 Jun 2025 11:48

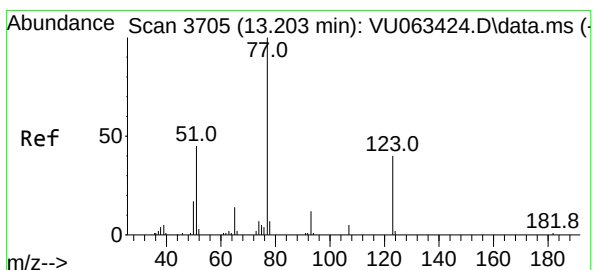
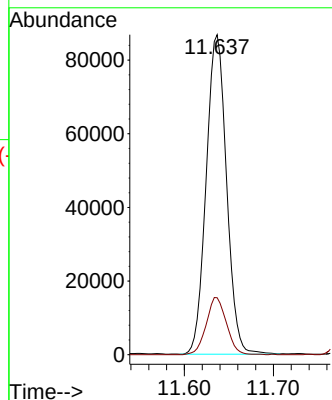
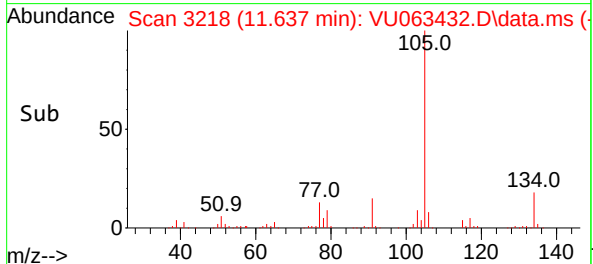
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBS01



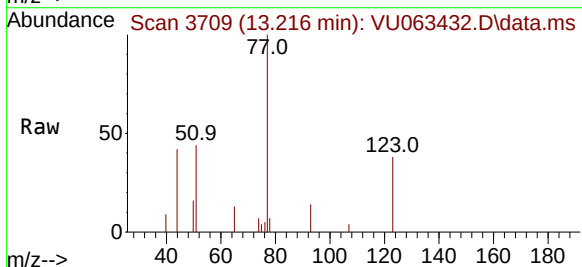
Tgt Ion:105 Resp: 13775
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.8 22.2

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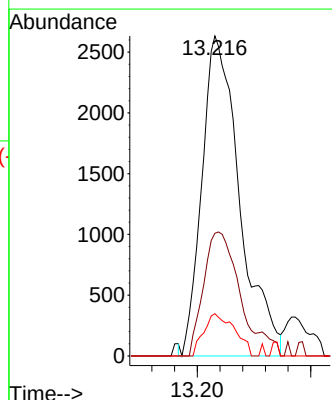
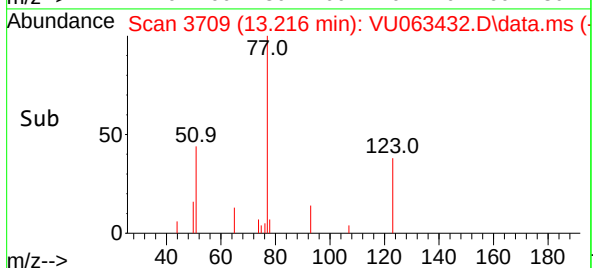
Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

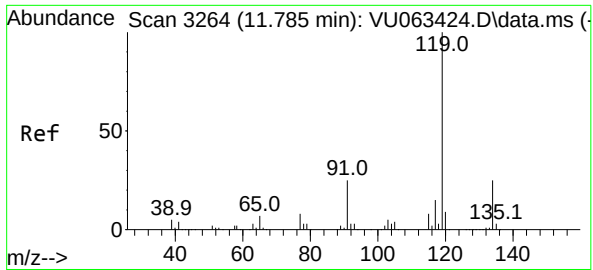


#80
 Nitrobenzene
 Concen: 9.432 ug/l m
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.013 min
 Lab File: VU063432.D
 Acq: 24 Jun 2025 11:48



Tgt Ion: 77 Resp: 6073
 Ion Ratio Lower Upper
 77 100
 123 37.8 19.6 69.6
 65 10.8 10.6 13.4





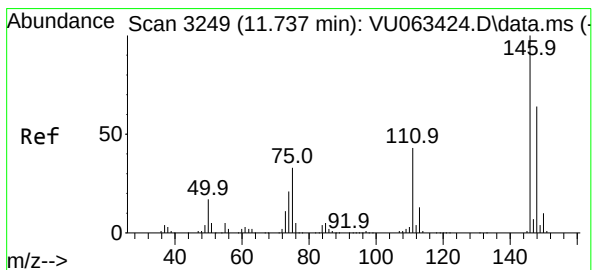
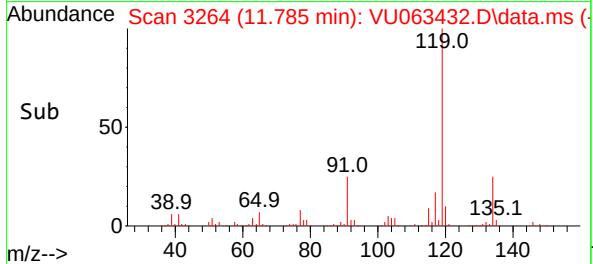
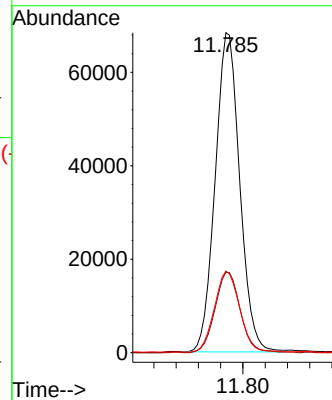
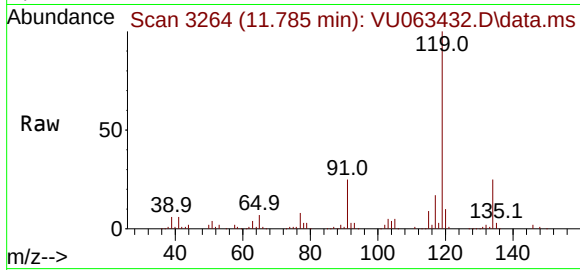
#81
p-Isopropyltoluene
Concen: 1.881 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion:119 Resp: 10442
Ion Ratio Lower Upper
119 100
134 26.0 20.2 30.2
91 25.8 19.7 29.5

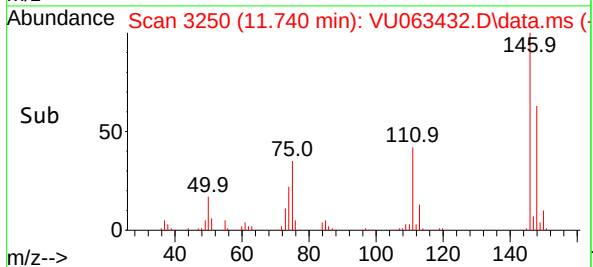
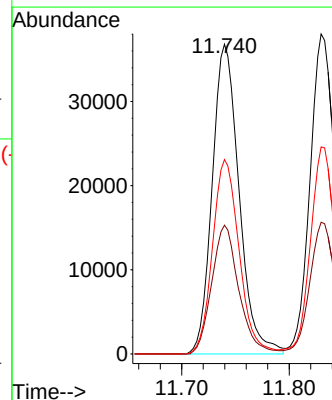
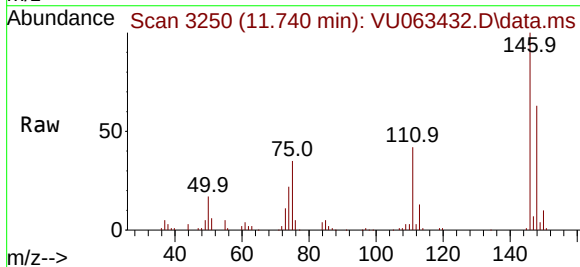
Manual Integrations
APPROVED

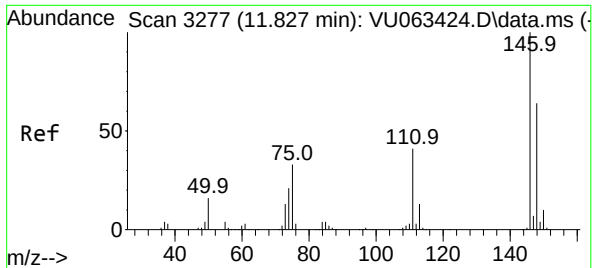
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82
1,3-Dichlorobenzene
Concen: 2.017 ug/l
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion:146 Resp: 63917
Ion Ratio Lower Upper
146 100
111 42.0 34.3 51.5
148 62.1 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 1.958 ug/l

RT: 11.830 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:146 Resp: 6435

Ion Ratio Lower Upper

146 100

111 40.9 31.7 47.5

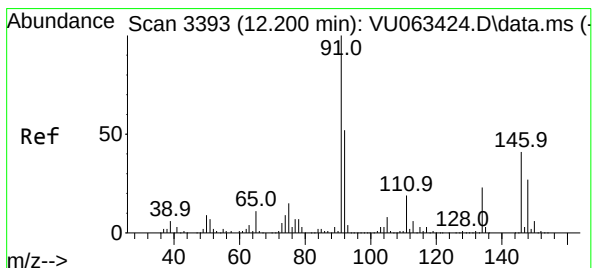
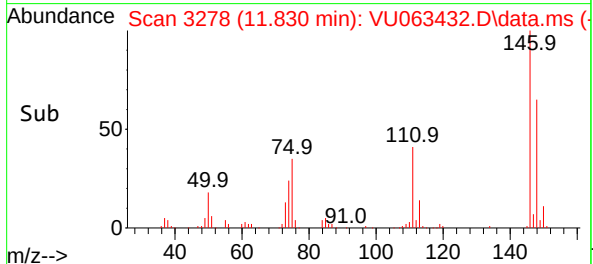
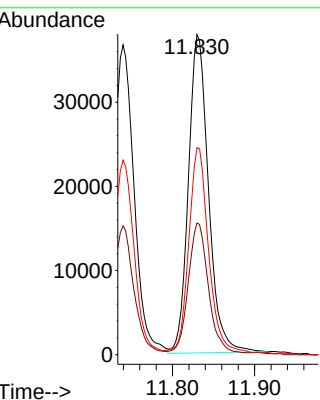
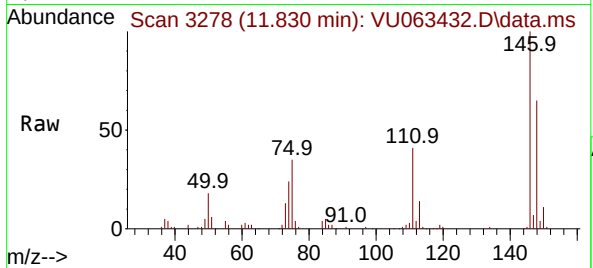
148 63.6 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#84

n-Butylbenzene

Concen: 1.838 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

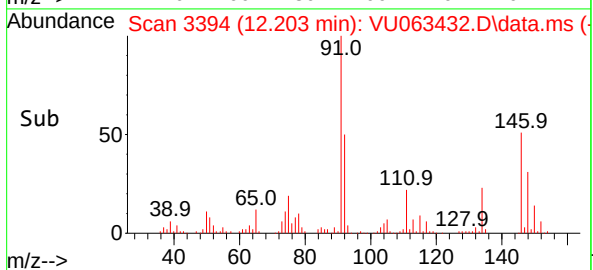
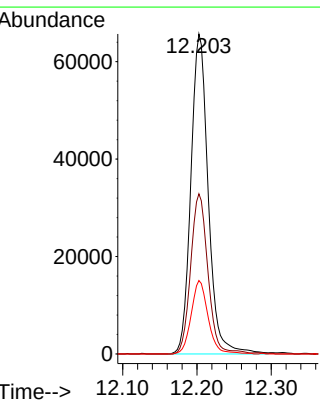
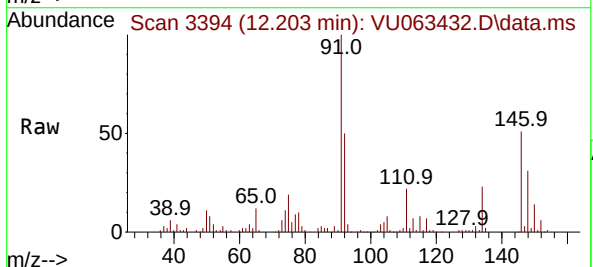
Tgt Ion: 91 Resp: 106675

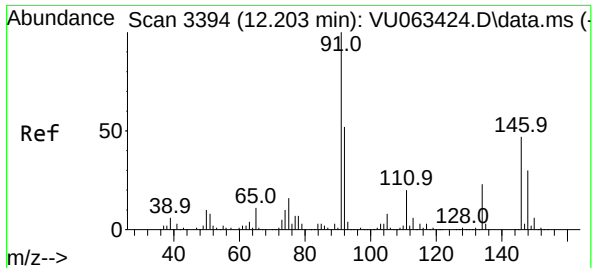
Ion Ratio Lower Upper

91 100

92 49.8 41.0 61.6

134 22.4 18.5 27.7





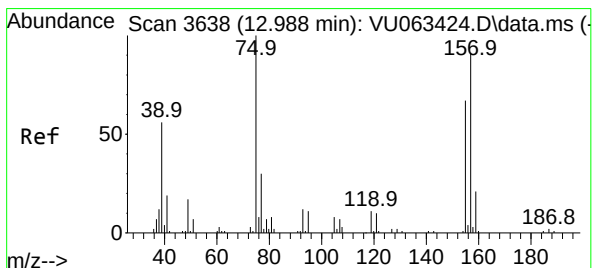
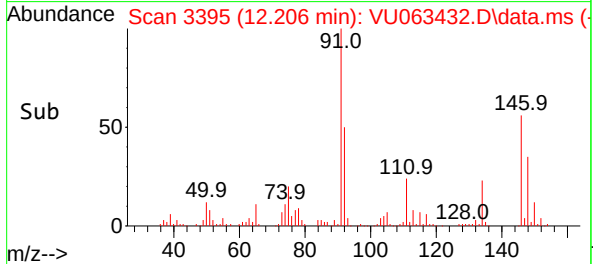
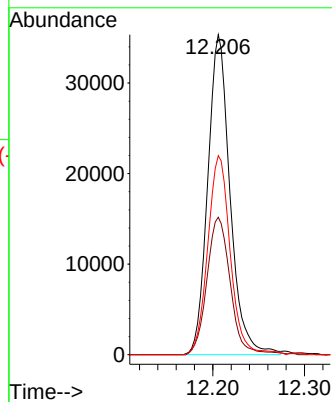
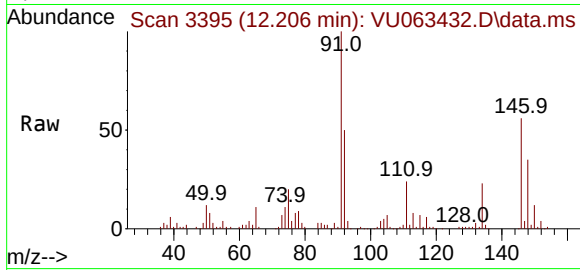
#85
1,2-Dichlorobenzene
Concen: 1.971 ug/l
RT: 12.206 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Tgt Ion:146 Resp: 5977
Ion Ratio Lower Upper
146 100
111 45.0 21.8 65.4
148 62.9 32.3 96.9

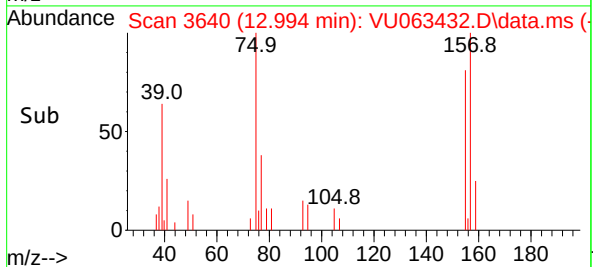
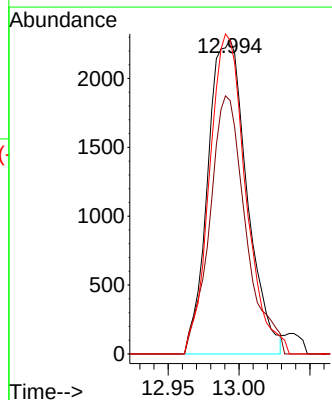
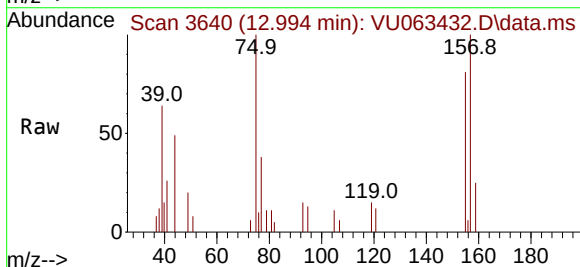
Manual Integrations
APPROVED

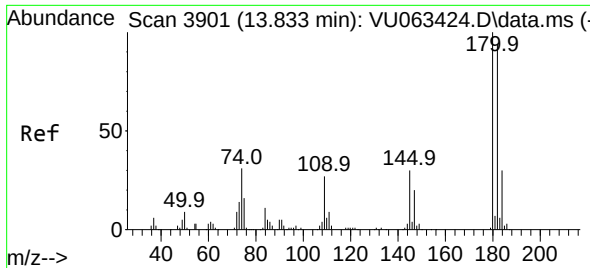
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 2.007 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. 0.006 min
Lab File: VU063432.D
Acq: 24 Jun 2025 11:48

Tgt Ion: 75 Resp: 4374
Ion Ratio Lower Upper
75 100
155 75.5 59.7 89.5
157 94.4 75.0 112.4





#87

1,2,4-Trichlorobenzene

Concen: 1.807 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

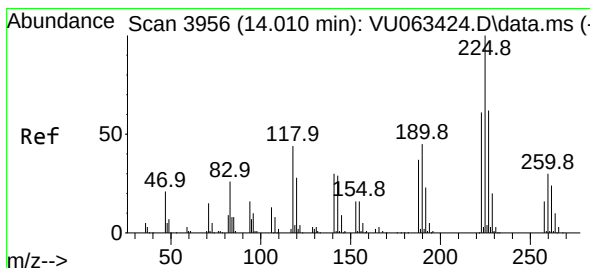
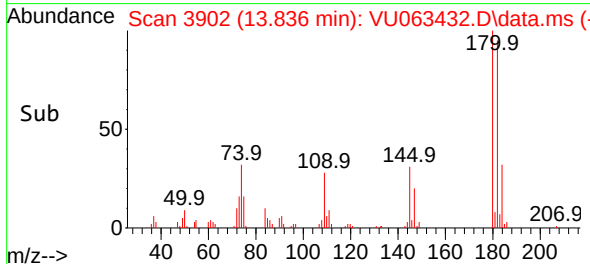
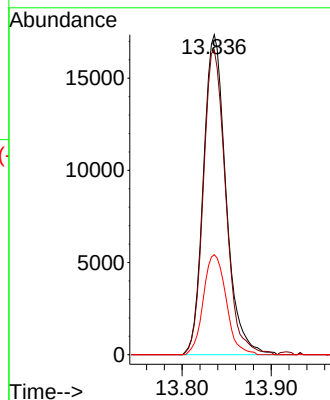
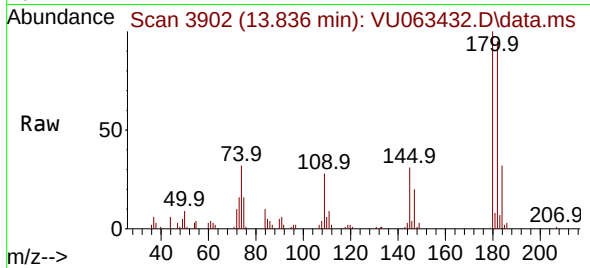
Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:	180	Resp:	3054
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.6	113.4
145	31.5	24.6	36.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#88

Hexachlorobutadiene

Concen: 1.940 ug/l

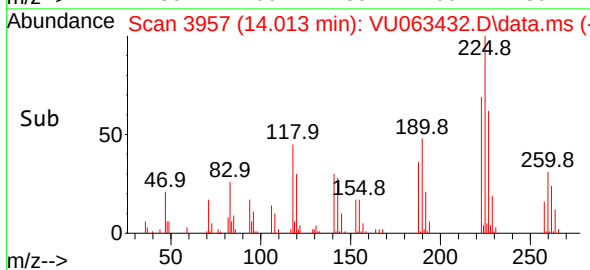
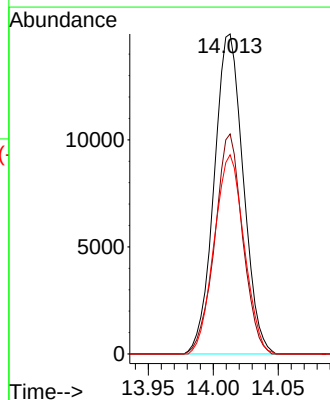
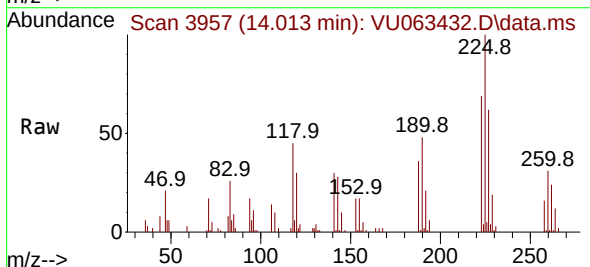
RT: 14.013 min Scan# 3957

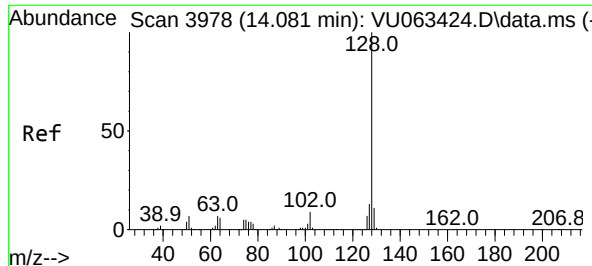
Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:	225	Resp:	23256
Ion Ratio	Lower	Upper	
225	100		
223	65.7	50.0	75.0
227	63.9	51.5	77.3





#89

Naphthalene

Concen: 2.092 ug/l

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

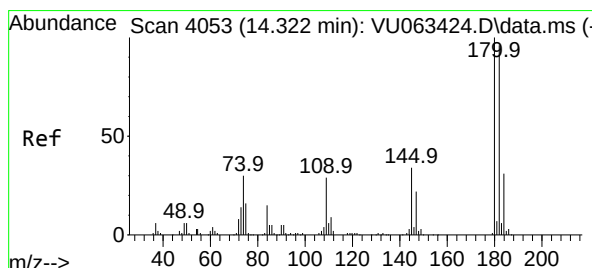
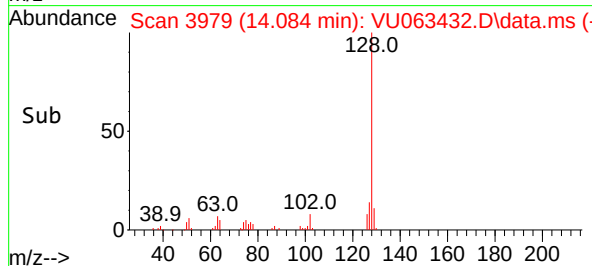
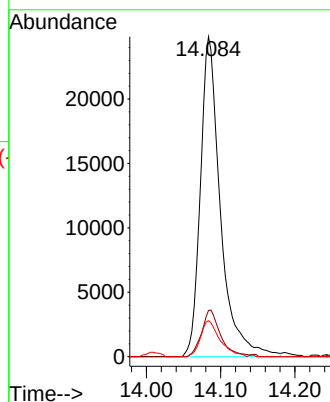
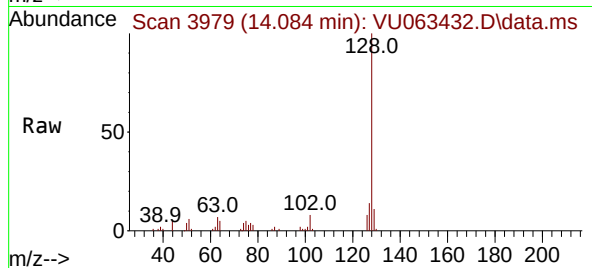
Instrument :

MSVOA_U

ClientSampleId :

VU0624WBS01

Tgt Ion:	128	Resp:	46534
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#90

1,2,3-Trichlorobenzene

Concen: 1.681 ug/l

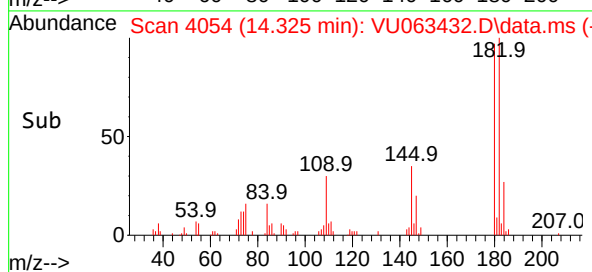
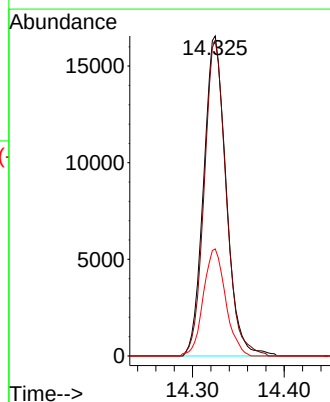
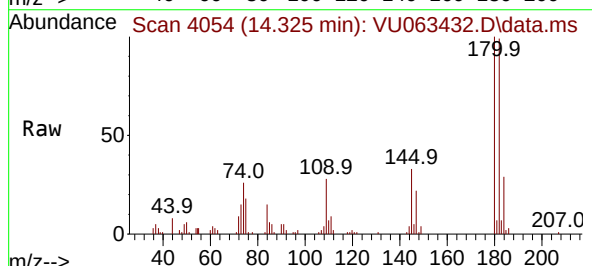
RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063432.D

Acq: 24 Jun 2025 11:48

Tgt Ion:	180	Resp:	28258
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.7	115.1
145	33.2	27.4	41.2



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBSD01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBSD01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063433.D	1		06/24/25 12:16	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.70		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	2.20		0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.10		0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		0.13	0.50	ug/L
71-43-2	Benzene	2.10		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.00		0.16	0.50	ug/L
79-01-6	Trichloroethene	2.00		0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	2.00		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	2.00		0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.00		70 (70) - 130 (130)	100%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 (70) - 130 (130)	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	48900	6.103			

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_U\Data\VU062425\
 Data File : VU063433.D
 Acq On : 24 Jun 2025 12:16
 Operator : MD/SY
 Sample : VU0624WBSD01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 08:10:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.103	96	48924m	1.000 ug/l	0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.627	95	17940	0.999 ug/l	0.00
Spiked Amount 1.000			Recovery	= 100.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18111	1.004 ug/l	0.00
Spiked Amount 1.000			Recovery	= 100.000%	
Target Compounds					
				Qvalue	
2) Dichlorodifluoromethane	1.383	85	37702	2.006 ug/l	98
3) Chloromethane	1.518	50	44492	1.797 ug/l	96
4) Vinyl Chloride	1.599	62	36391	1.717 ug/l	99
5) Bromomethane	1.846	94	20298	1.999 ug/l	96
6) Chloroethane	1.923	64	19842	1.580 ug/l	96
7) Trichlorofluoromethane	2.129	101	44989	1.861 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	27067	2.102 ug/l	99
9) 1,1-Dichloroethene	2.567	96	27891	2.171 ug/l	94
10) Iodomethane	2.708	142	17802	1.717 ug/l	95
11) Allyl Chloride	2.911	41	45772	2.000 ug/l	99
12) Acrylonitrile	3.306	53	15504m	4.177 ug/l	
13) Acetone	2.621	43	26628	8.138 ug/l	96
14) Carbon Disulfide	2.776	76	90537	2.021 ug/l	98
15) Methylene Chloride	3.030	84	32975	2.025 ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	30368	2.101 ug/l	96
17) 1,1-Dichloroethane	3.849	63	63072	2.078 ug/l	99
18) 2-Butanone	4.721	43	46068	8.894 ug/l	98
19) Cyclohexane	5.361	56	41924	1.826 ug/l	99
20) Methylcyclohexane	6.746	83	37288	1.749 ug/l	92
21) 2,2-Dichloropropane	4.644	77	40641	1.884 ug/l	99
22) cis-1,2-Dichloroethene	4.644	96	32133	2.037 ug/l	98
23) Diethyl Ether	2.370	59	23527	2.030 ug/l	97
24) tert-Butyl Alcohol	3.200	59	25998	21.292 ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	72586	2.078 ug/l	100
26) Bromochloromethane	4.955	128	14136	2.302 ug/l	90
27) Chloroform	5.071	83	61146	2.149 ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	48456	2.100 ug/l	98
29) 1,1-Dichloropropene	5.505	75	41576	1.973 ug/l	99
30) Carbon Tetrachloride	5.499	117	39088	2.121 ug/l	95
31) Isopropyl Ether	3.994	45	99901	2.107 ug/l	100
32) Ethyl-t-butyl ether	4.505	59	80724	2.009 ug/l	99
33) Tert-Amyl methyl ether	5.946	73	52845	1.837 ug/l	96
34) Propionitrile	4.779	54	15493	10.340 ug/l #	85
35) Benzene	5.759	78	131629	2.065 ug/l	98
36) 1,2-Dichloroethane	5.788	62	37840	2.030 ug/l	100
37) Trichloroethene	6.534	130	30828	2.046 ug/l	96
38) 1,2-Dichloropropane	6.782	63	36163	2.054 ug/l	98
39) Methacrylonitrile	4.978	41	10673	1.712 ug/l	94
40) Methyl acrylate	4.849	55	18218	2.081 ug/l	98
41) Tetrahydrofuran	5.065	42	11659	3.477 ug/l	99
42) 1-Chlorobutane	5.441	56	56729	1.897 ug/l	98
43) Dibromomethane	6.910	93	17065	2.075 ug/l	98
44) Bromodichloromethane	7.100	83	41184	2.056 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063433.D
 Acq On : 24 Jun 2025 12:16
 Operator : MD/SY
 Sample : VU0624WBSD01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 08:10:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

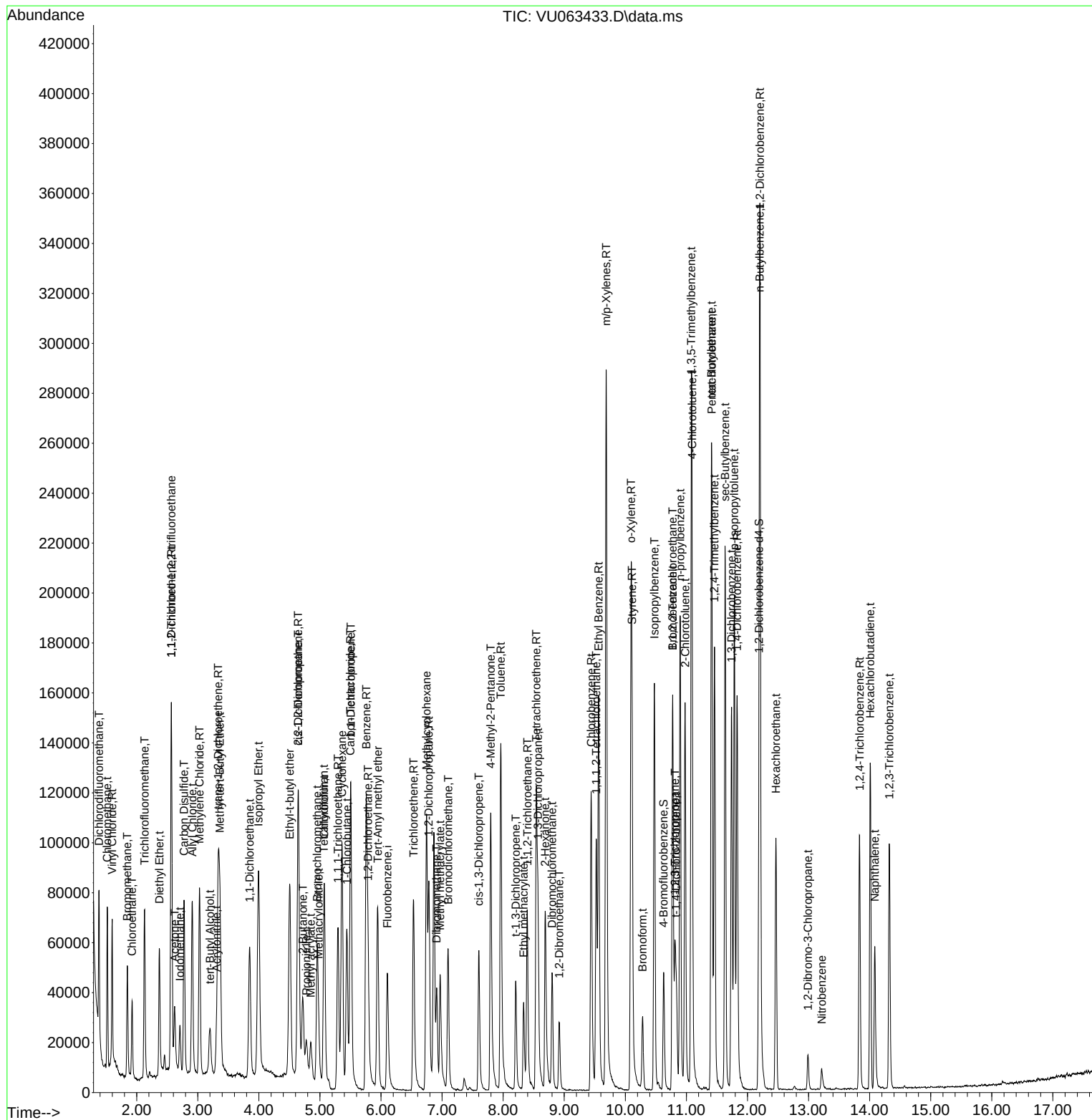
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	84115	9.527	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	11360m	3.914	ug/l	
47) Methyl methacrylate	6.968	69	24695	3.922	ug/l	92
48) Ethyl methacrylate	8.335	69	22157	2.030	ug/l	97
49) Toluene	7.962	92	69828	1.995	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	27590	1.910	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	38692	1.994	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	24606	2.046	ug/l	98
53) 1,3-Dichloropropane	8.569	76	41581	2.010	ug/l	96
54) 2-Hexanone	8.688	43	54892	9.809	ug/l	93
55) Dibromochloromethane	8.801	129	25038	2.018	ug/l	100
56) 1,2-Dibromoethane	8.920	107	20163	2.069	ug/l	98
58) Tetrachloroethene	8.544	164	29570	2.001	ug/l	97
59) Chlorobenzene	9.441	112	75413	2.013	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	26908	1.995	ug/l	97
61) Pentachloroethane	11.415	117	22285	2.028	ug/l	95
62) Hexachloroethane	12.466	117	19905	2.014	ug/l	99
63) Ethyl Benzene	9.563	91	114691	1.909	ug/l	99
64) m/p-Xylenes	9.688	106	87004	3.731	ug/l	97
65) o-Xylene	10.094	106	42647	1.869	ug/l	94
66) Styrene	10.110	104	71958	1.925	ug/l	99
67) Bromoform	10.283	173	13611	2.008	ug/l	97
69) Isopropylbenzene	10.476	105	103632	1.960	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	31827	2.069	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	27172m	2.163	ug/l	
72) Bromobenzene	10.775	156	31426	2.118	ug/l	83
73) n-propylbenzene	10.901	120	30992	1.923	ug/l	97
74) 2-Chlorotoluene	10.981	126	30419	2.074	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	100505	1.914	ug/l	99
76) 4-Chlorotoluene	11.094	126	31207	2.031	ug/l	99
77) tert-Butylbenzene	11.412	119	96811	1.993	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	100260	1.920	ug/l	100
79) sec-Butylbenzene	11.634	105	137049	1.992	ug/l	100
80) Nitrobenzene	13.216	77	6874	10.746	ug/l	96
81) p-Isopropyltoluene	11.785	119	107612	1.972	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	64149	2.087	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	68008	2.132	ug/l	95
84) n-Butylbenzene	12.203	91	109583	1.946	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	61152	2.078	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4949	2.341	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	32914	2.006	ug/l	99
88) Hexachlorobutadiene	14.010	225	24100	2.072	ug/l	98
89) Naphthalene	14.084	128	51110	2.252	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	31355	1.922	ug/l	100

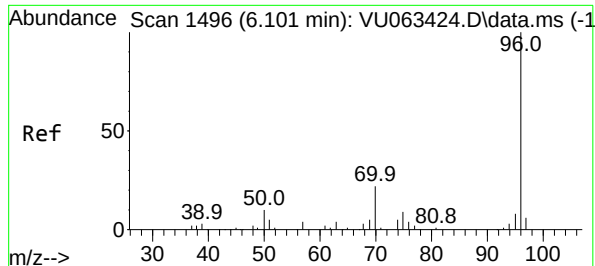
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025





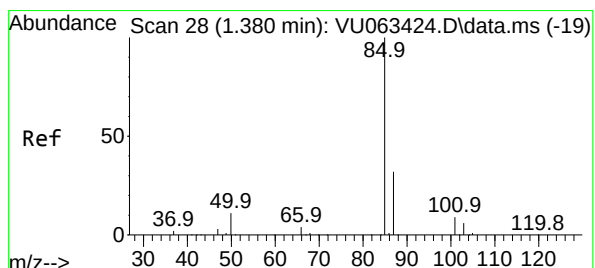
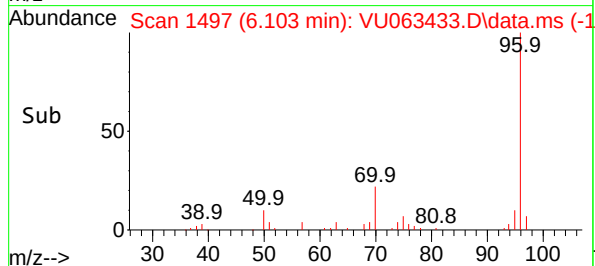
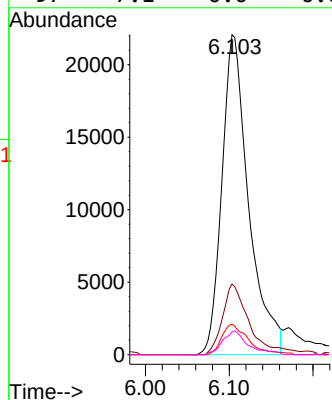
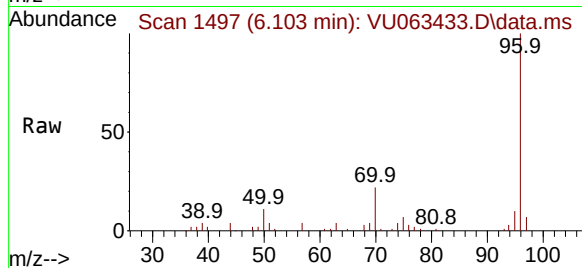
#1
Fluorobenzene
Concen: 1.000 ug/l m
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 96 Resp: 48924
Ion Ratio Lower Upper
96 100
70 20.6 16.4 24.6
95 9.5 6.2 9.2
97 7.1 0.0 0.0

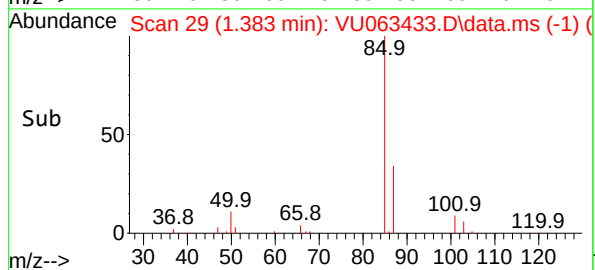
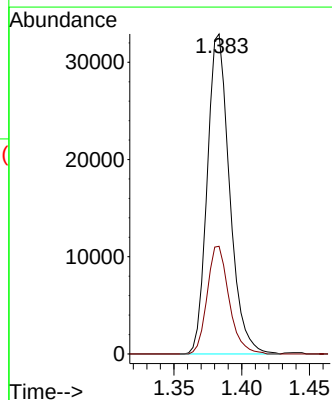
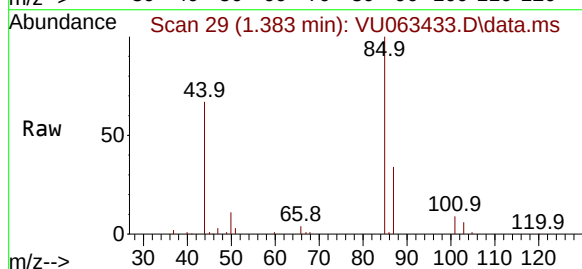
Manual Integrations
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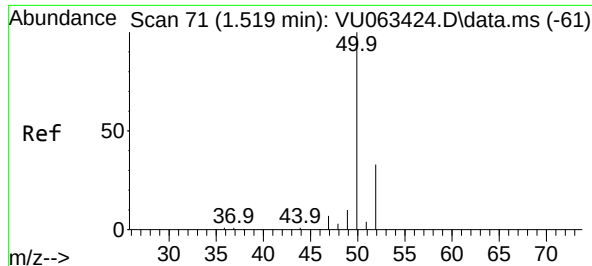
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#2
Dichlorodifluoromethane
Concen: 2.006 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 85 Resp: 37702
Ion Ratio Lower Upper
85 100
87 33.6 16.2 48.5





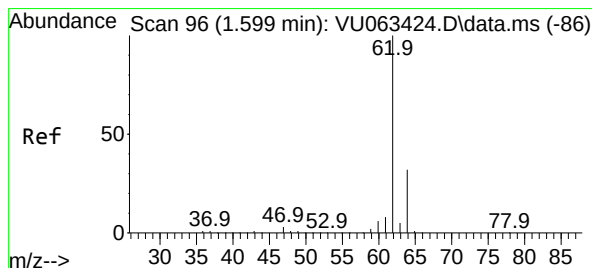
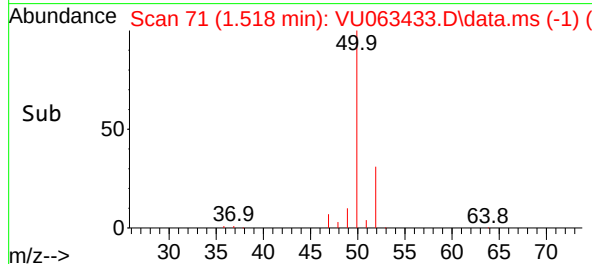
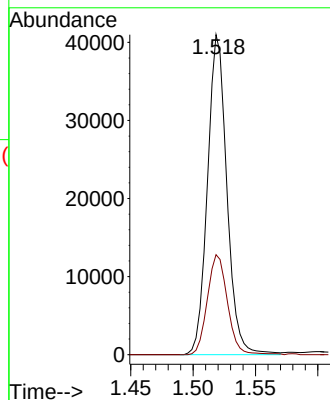
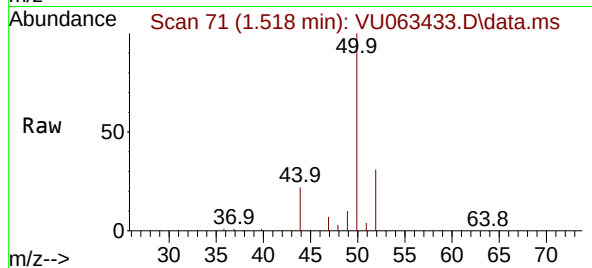
#3
Chloromethane
Concen: 1.797 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 50 Resp: 44492
Ion Ratio Lower Upper
50 100
52 31.2 26.6 40.0

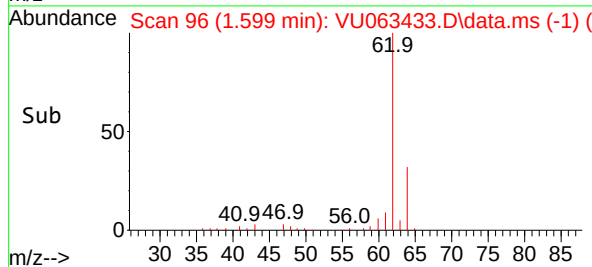
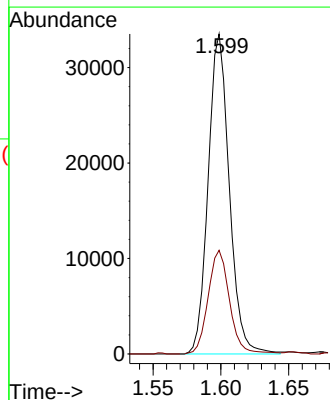
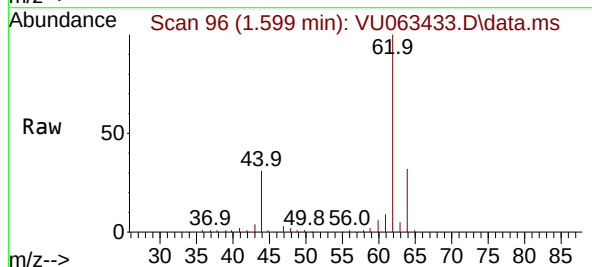
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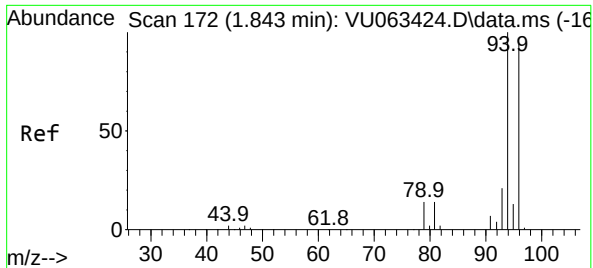
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#4
Vinyl Chloride
Concen: 1.717 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

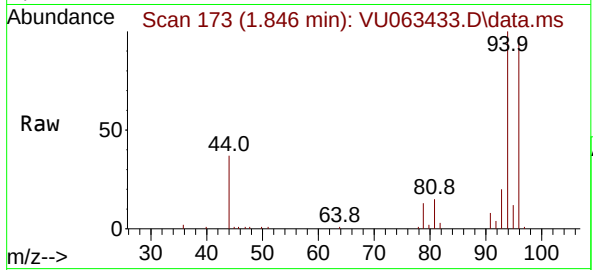
Tgt Ion: 62 Resp: 36391
Ion Ratio Lower Upper
62 100
64 32.4 25.7 38.5





#5
Bromomethane
Concen: 1.999 ug/l
RT: 1.846 min Scan# 173
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

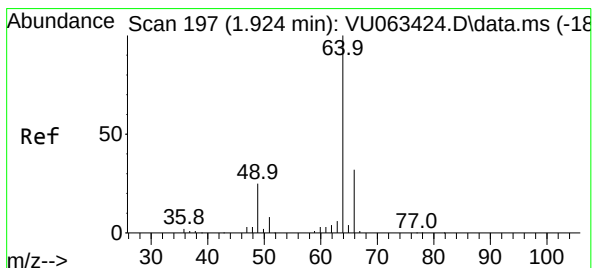
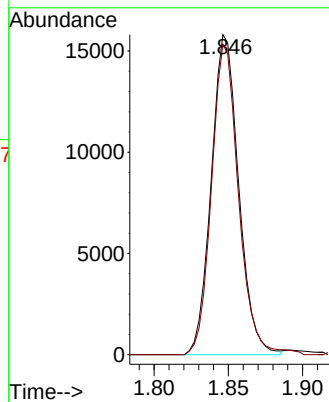
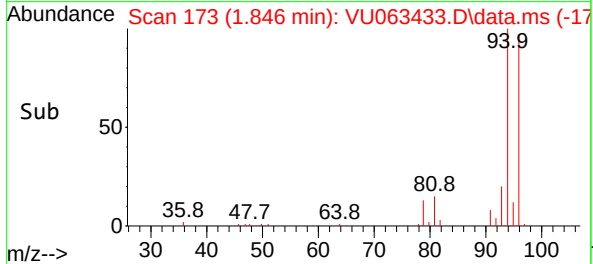
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01



Tgt Ion: 94 Resp: 20298
Ion Ratio Lower Upper
94 100
96 97.0 74.8 112.2

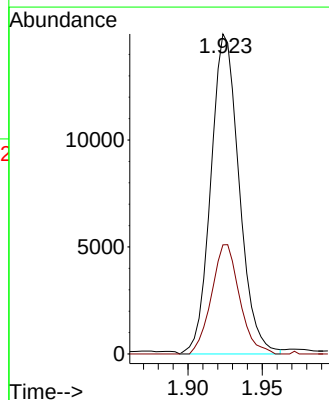
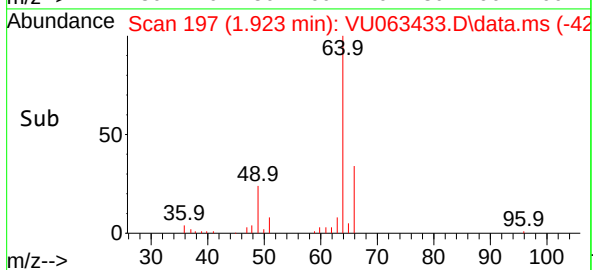
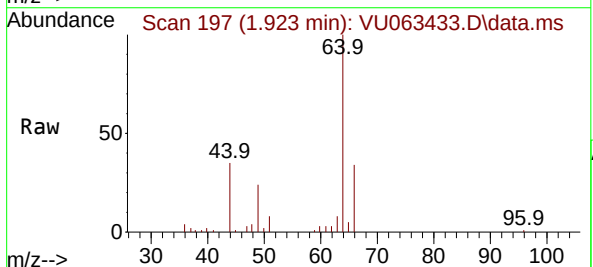
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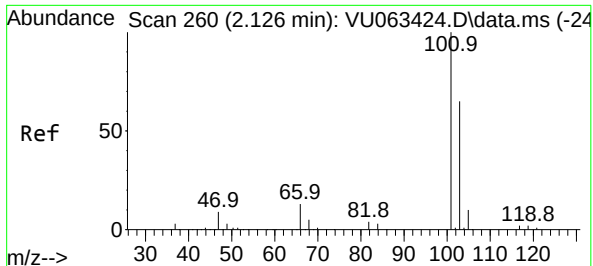
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#6
Chloroethane
Concen: 1.580 ug/l
RT: 1.923 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 64 Resp: 19842
Ion Ratio Lower Upper
64 100
66 34.1 25.7 38.5





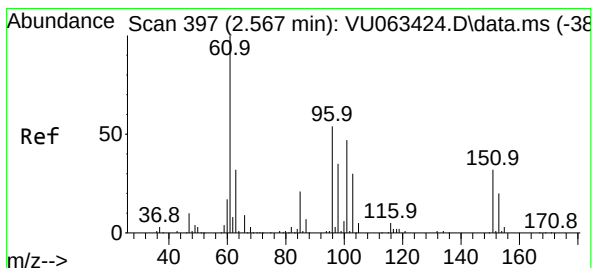
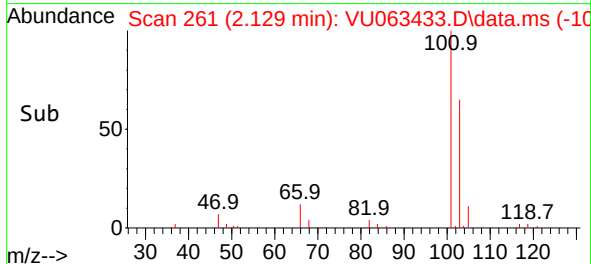
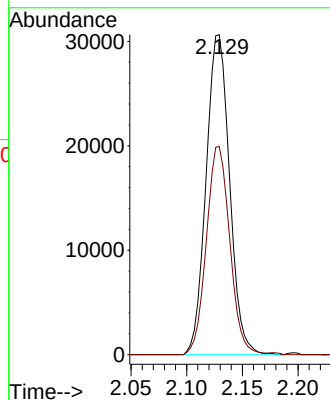
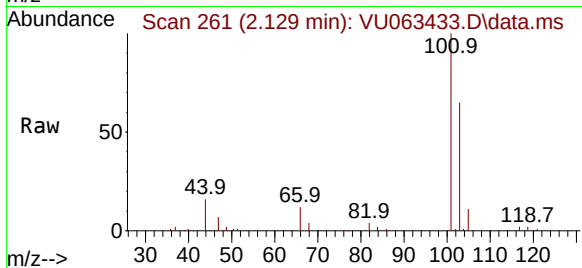
#7
Trichlorofluoromethane
Concen: 1.861 ug/l
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:101 Resp: 44989
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5

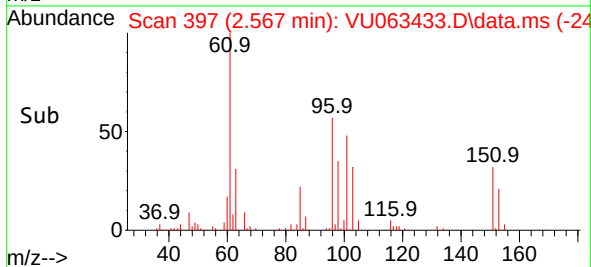
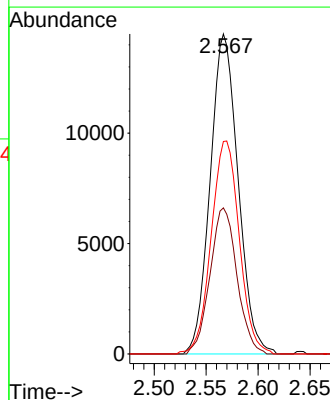
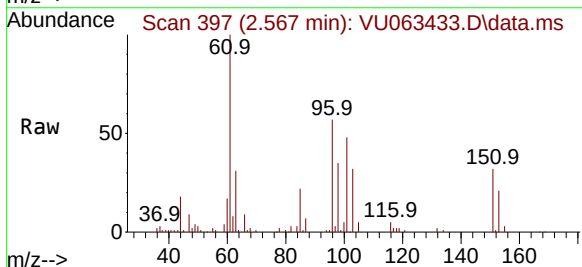
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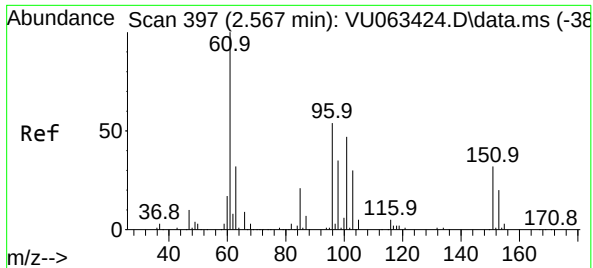
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.102 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:101 Resp: 27067
Ion Ratio Lower Upper
101 100
85 44.1 36.7 55.1
151 67.1 53.9 80.9





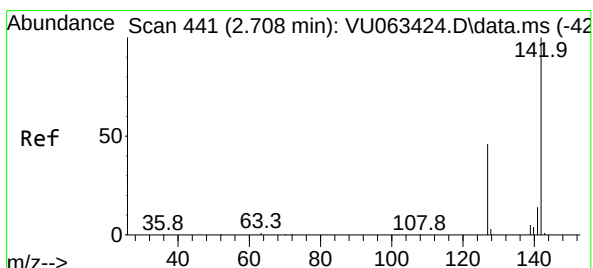
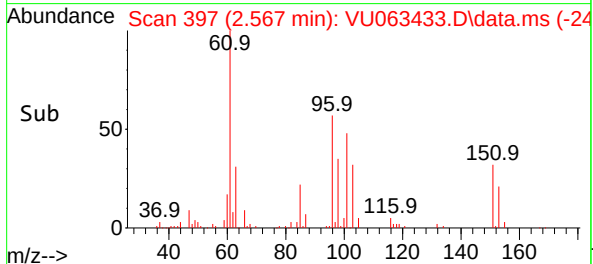
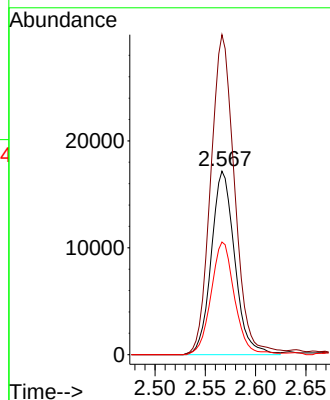
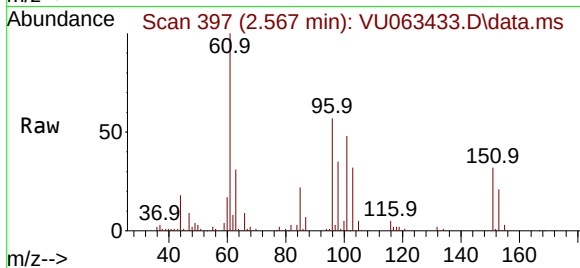
#9
1,1-Dichloroethene
Concen: 2.171 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 96 Resp: 2789
Ion Ratio Lower Upper
96 100
61 174.4 0.0 552.0
98 61.4 0.0 128.4

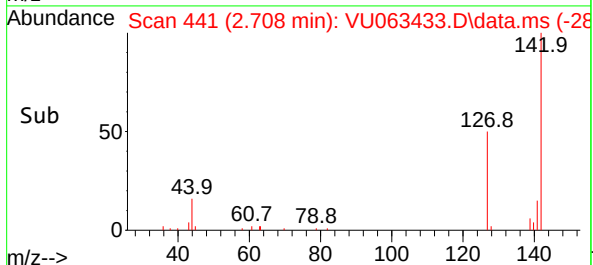
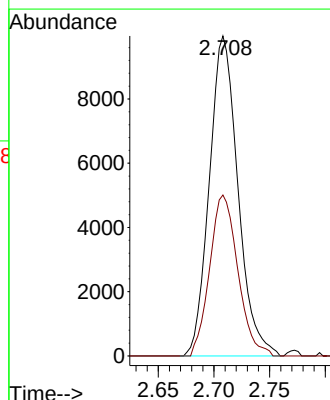
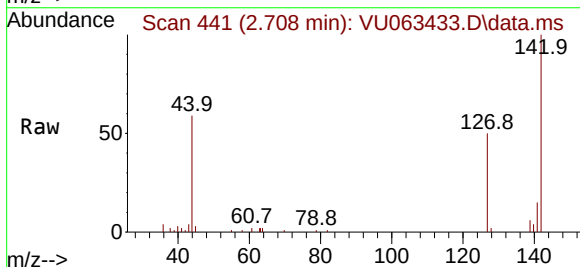
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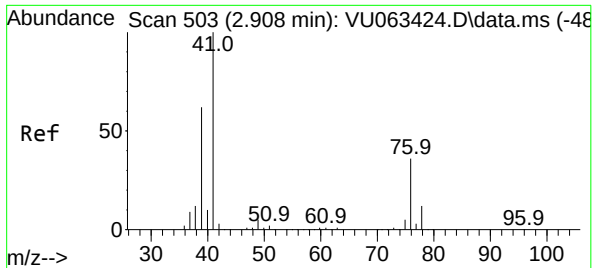
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#10
Iodomethane
Concen: 1.717 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:142 Resp: 17802
Ion Ratio Lower Upper
142 100
127 49.6 36.9 55.3





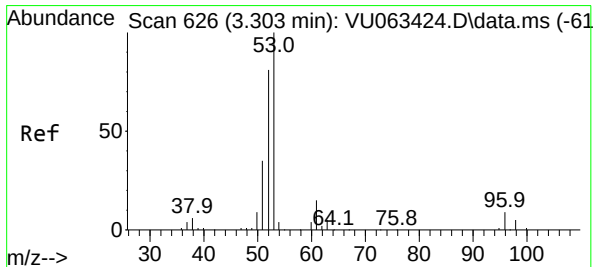
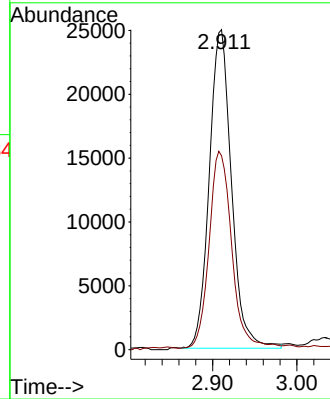
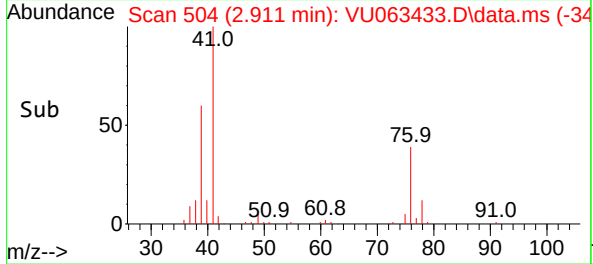
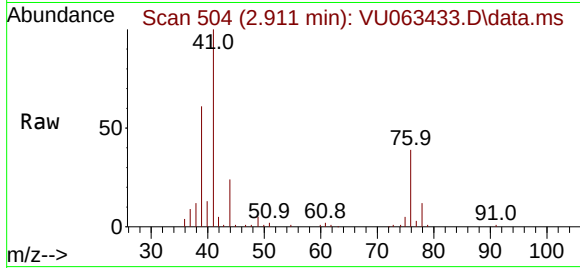
#11
Allyl Chloride
Concen: 2.000 ug/l
RT: 2.911 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 41 Resp: 45772
Ion Ratio Lower Upper
41 100
39 62.1 50.3 75.5

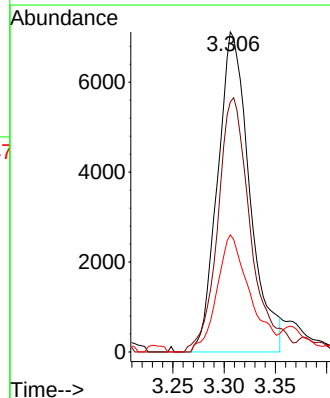
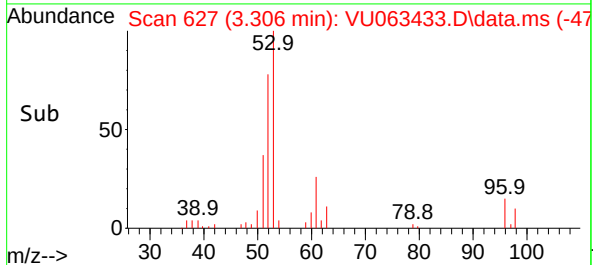
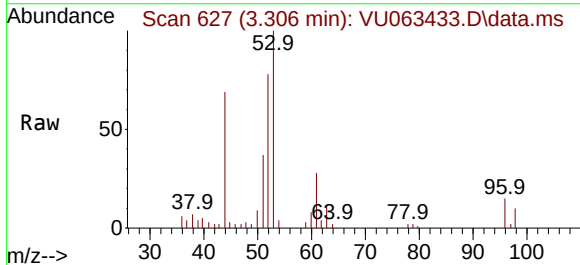
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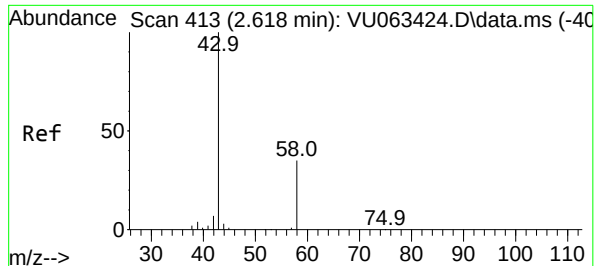
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#12
Acrylonitrile
Concen: 4.177 ug/l m
RT: 3.306 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 53 Resp: 15504
Ion Ratio Lower Upper
53 100
52 81.1 62.8 94.2
51 37.5 26.2 39.4





#13

Acetone

Concen: 8.138 ug/l

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 43 Resp: 26628

Ion Ratio Lower Upper

43

100

58

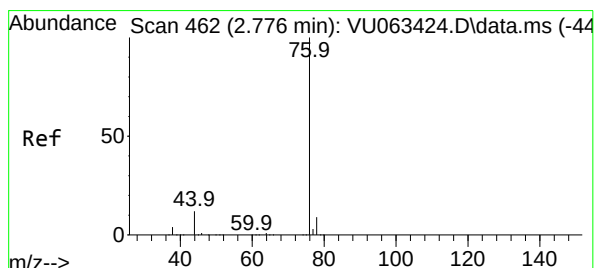
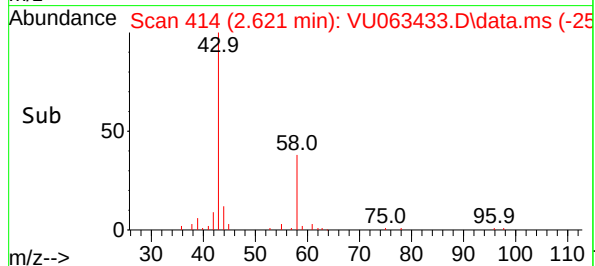
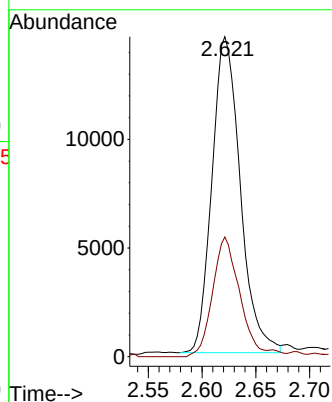
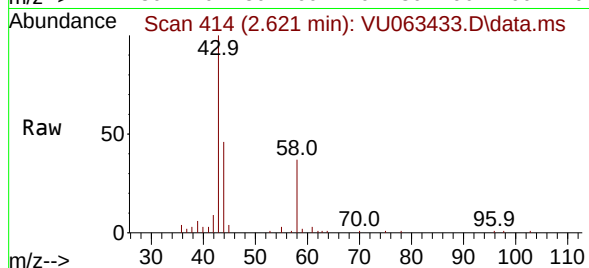
37.9

28.3

42.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#14

Carbon Disulfide

Concen: 2.021 ug/l

RT: 2.776 min Scan# 462

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion: 76 Resp: 90537

Ion Ratio Lower Upper

76

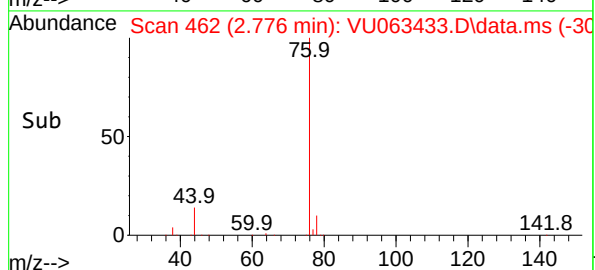
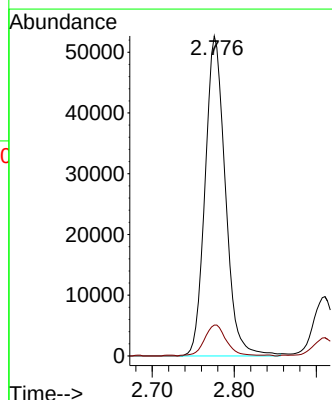
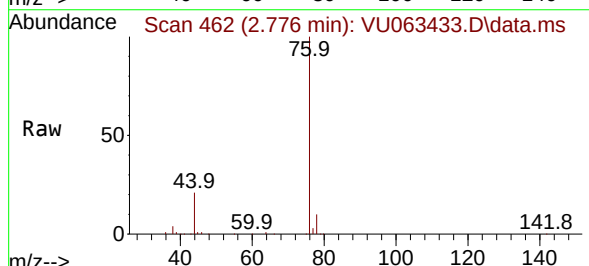
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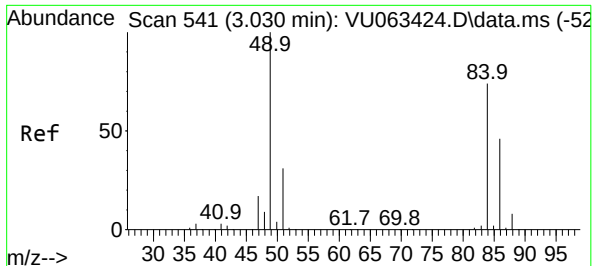
78

9.5

6.9

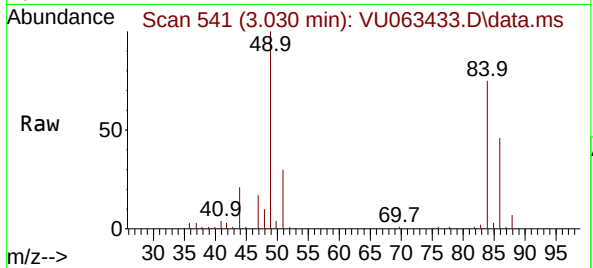
10.3





#15
Methylene Chloride
Concen: 2.025 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

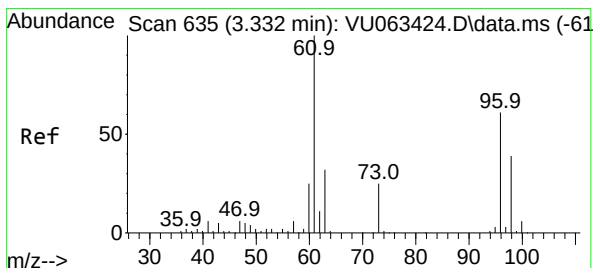
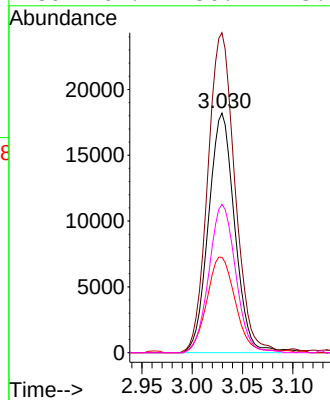
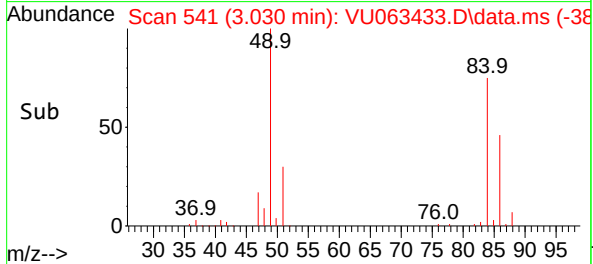
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01



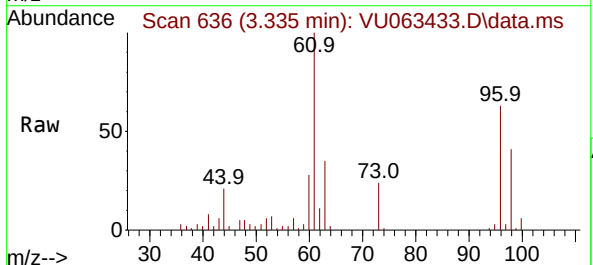
Tgt Ion: 84 Resp: 3297
Ion Ratio Lower Upper
84 100
49 133.6 108.7 163.1
51 39.8 0.0 83.8
86 61.9 50.1 75.1

Manual Integrations
APPROVED

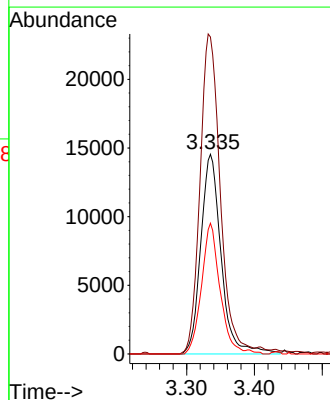
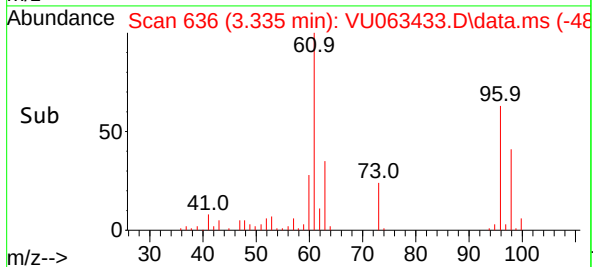
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

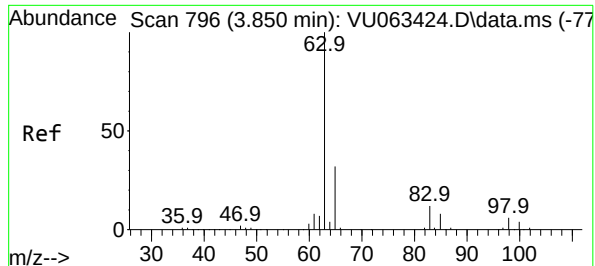


#16
trans-1,2-Dichloroethene
Concen: 2.101 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16



Tgt Ion: 96 Resp: 30368
Ion Ratio Lower Upper
96 100
61 158.8 132.1 198.1
98 65.4 51.0 76.4





#17

1,1-Dichloroethane

Concen: 2.078 ug/l

RT: 3.849 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

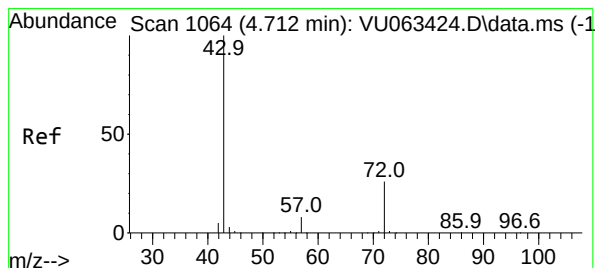
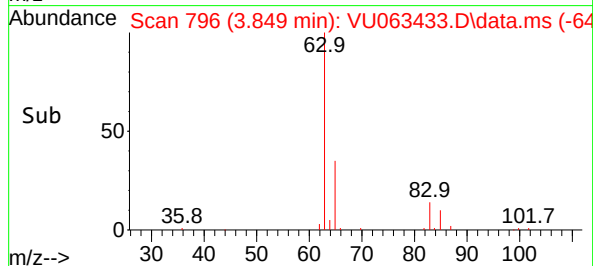
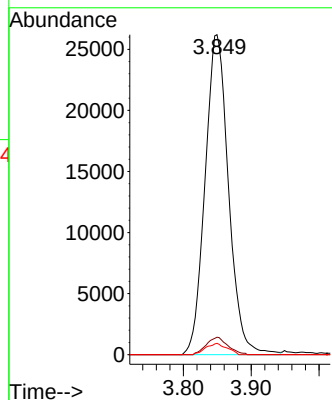
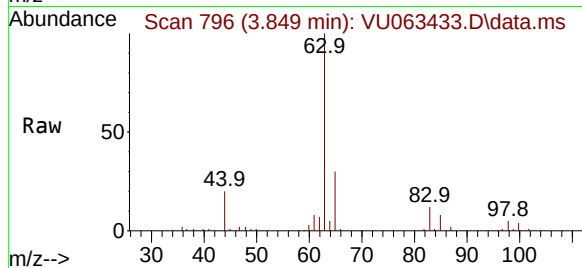
ClientSampleId :

VU0624WBSD01

Tgt Ion:	63	Resp:	63072
Ion Ratio	Lower	Upper	
63	100		
98	5.4	2.8	8.4
100	3.6	1.9	5.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#18

2-Butanone

Concen: 8.894 ug/l

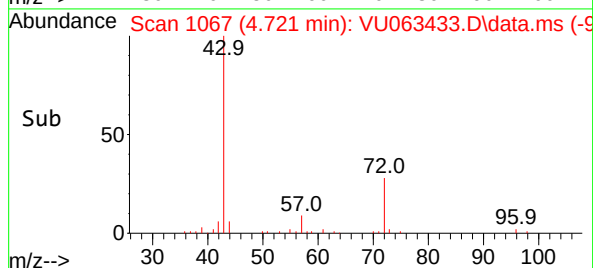
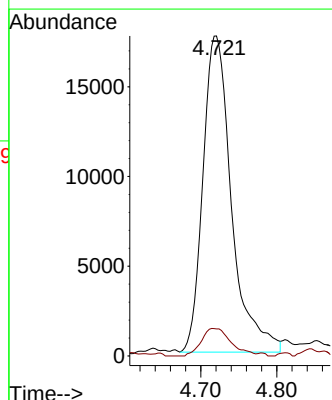
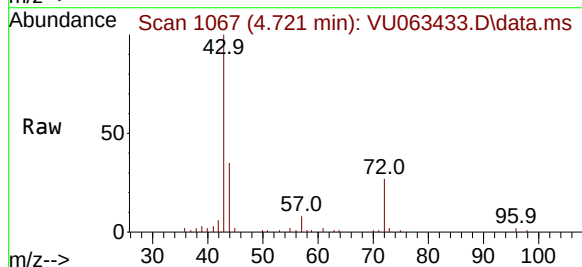
RT: 4.721 min Scan# 1067

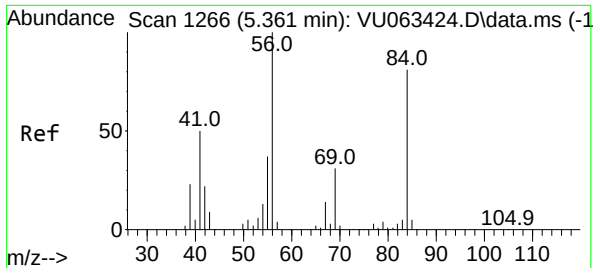
Delta R.T. 0.009 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:	43	Resp:	46068
Ion Ratio	Lower	Upper	
43	100		
57	8.5	0.0	16.0





#19

Cyclohexane

Concen: 1.826 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

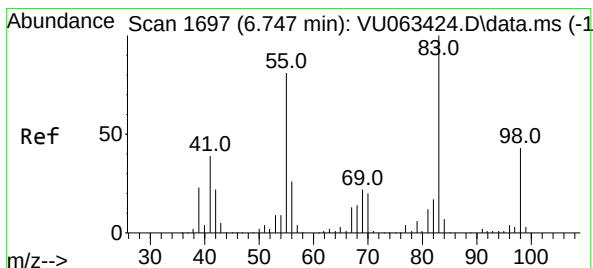
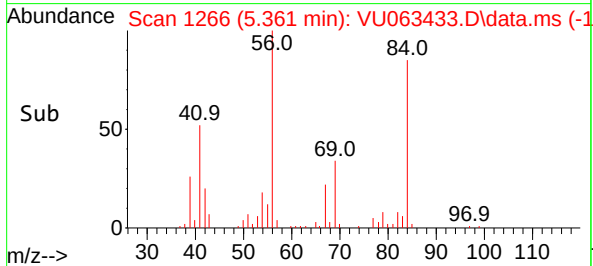
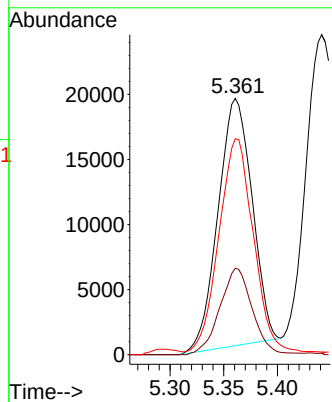
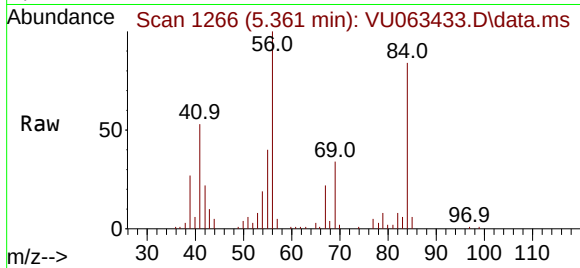
ClientSampleId :

VU0624WBSD01

Tgt Ion:	56	Resp:	41924
Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.4	39.6
84	86.6	68.6	102.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#20

Methylcyclohexane

Concen: 1.749 ug/l

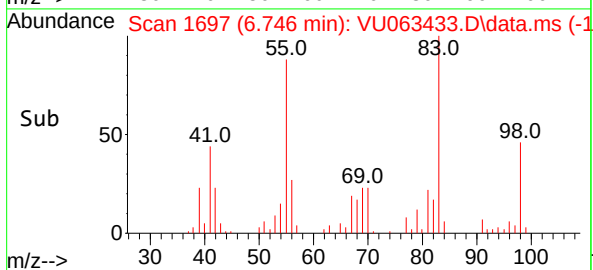
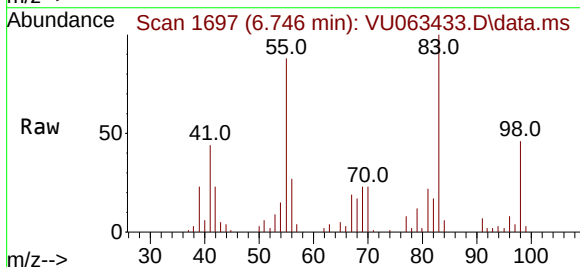
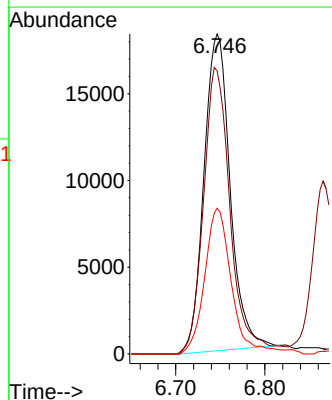
RT: 6.746 min Scan# 1697

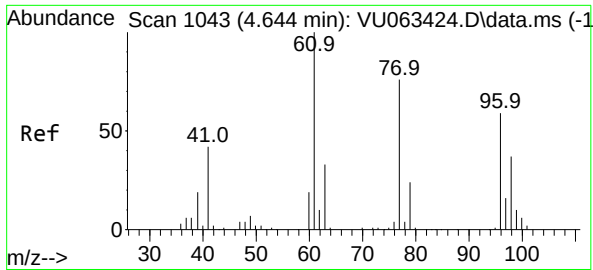
Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:	83	Resp:	37288
Ion	Ratio	Lower	Upper
83	100		
55	89.0	63.5	95.3
98	44.8	34.2	51.4





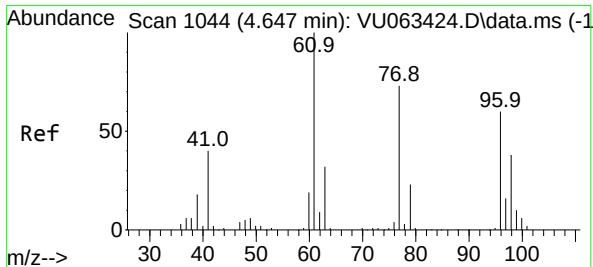
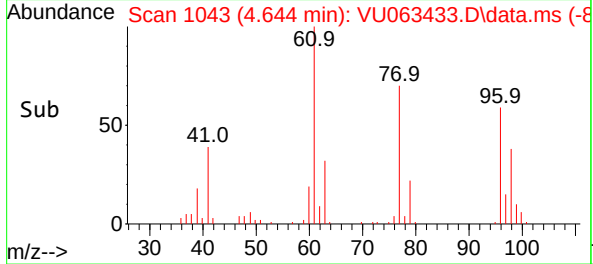
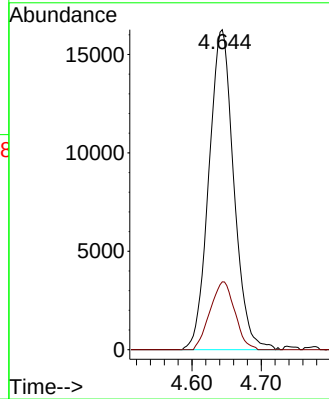
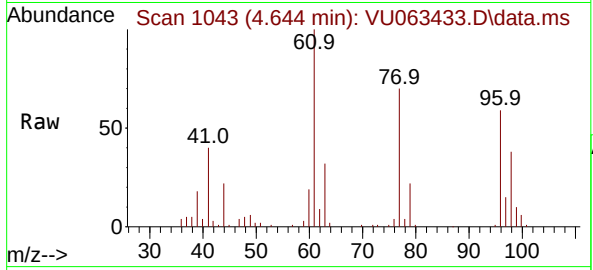
#21
2,2-Dichloropropane
Concen: 1.884 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 77 Resp: 4064
Ion Ratio Lower Upper
77 100
97 21.1 17.2 25.8

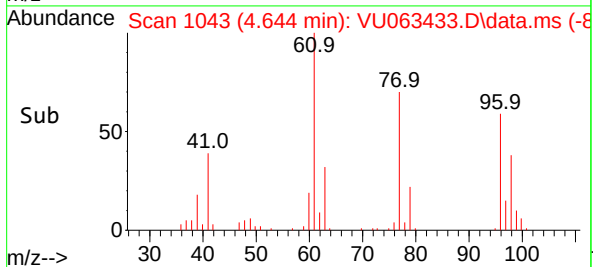
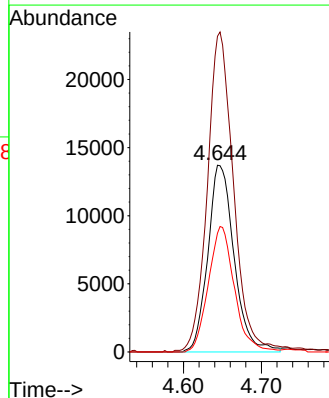
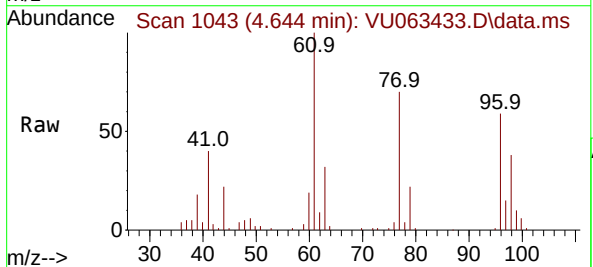
Manual Integrations
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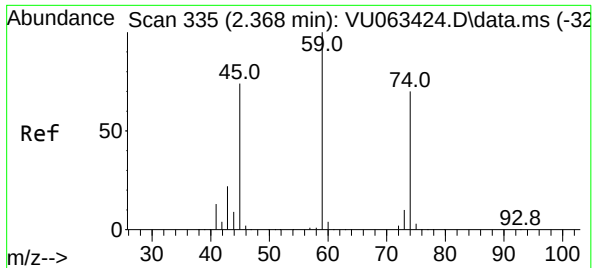
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#22
cis-1,2-Dichloroethene
Concen: 2.037 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

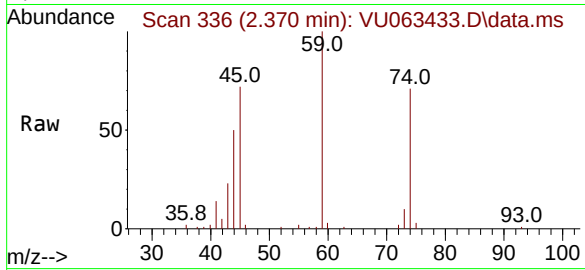
Tgt Ion: 96 Resp: 32133
Ion Ratio Lower Upper
96 100
61 171.1 0.0 434.3
98 66.5 31.9 95.7





#23
Diethyl Ether
Concen: 2.030 ug/l
RT: 2.370 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

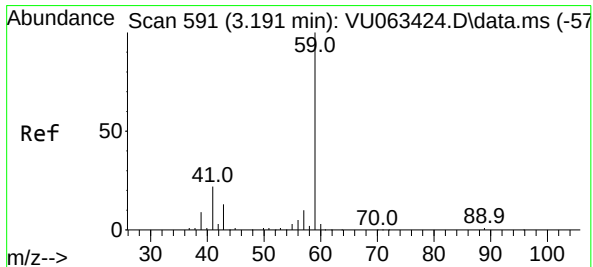
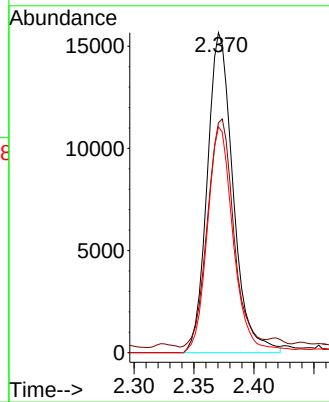
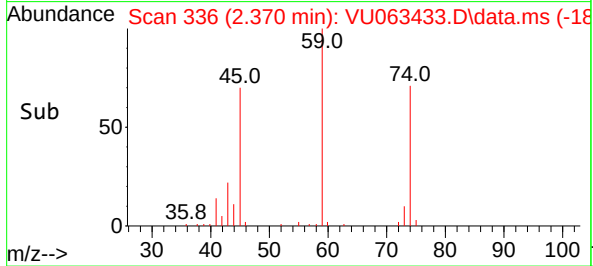
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01



Tgt Ion: 59 Resp: 2352
Ion Ratio Lower Upper
59 100
45 71.8 60.7 91.1
74 71.2 55.8 83.6

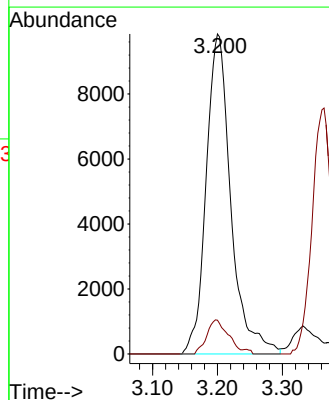
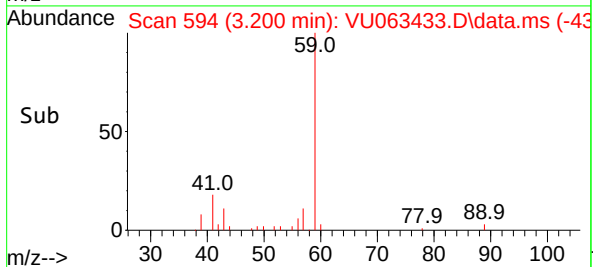
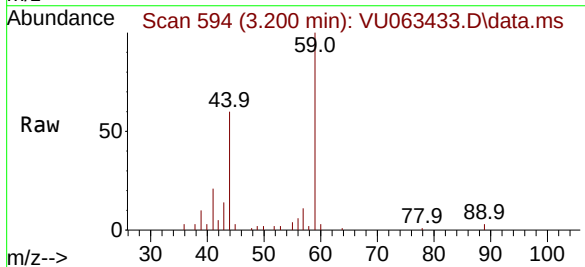
Manual Integrations
APPROVED

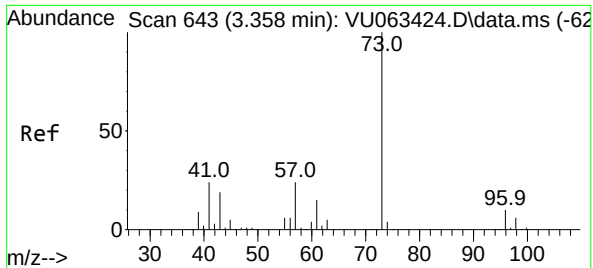
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#24
tert-Butyl Alcohol
Concen: 21.292 ug/l
RT: 3.200 min Scan# 594
Delta R.T. 0.009 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 59 Resp: 25998
Ion Ratio Lower Upper
59 100
57 9.2 7.8 11.8





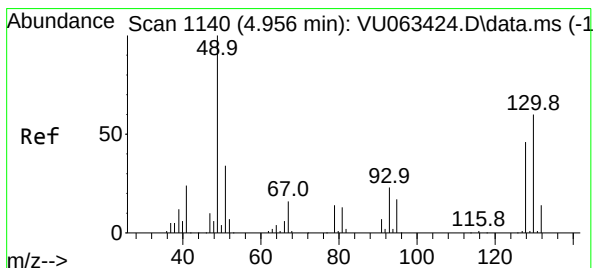
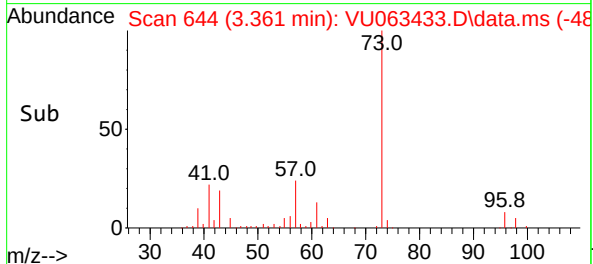
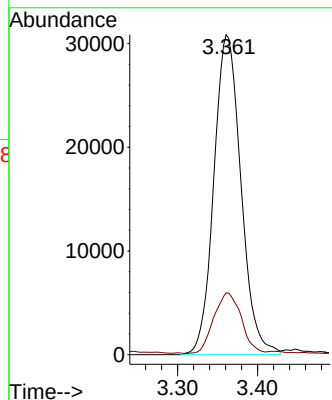
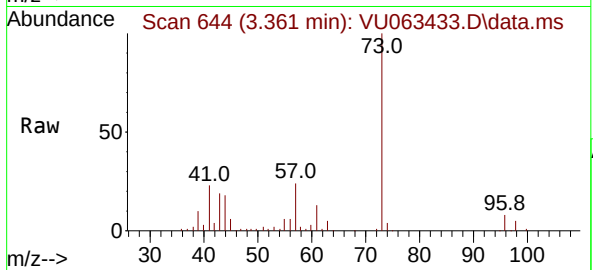
#25
Methyl tert-Butyl Ether
Concen: 2.078 ug/l
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 73 Resp: 72586
Ion Ratio Lower Upper
73 100
43 19.0 15.1 22.7

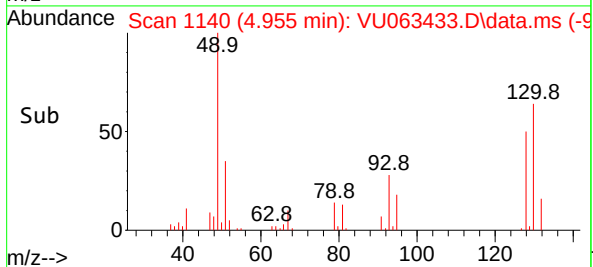
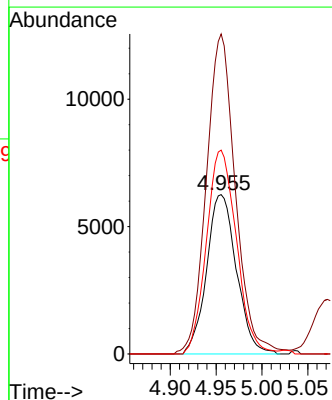
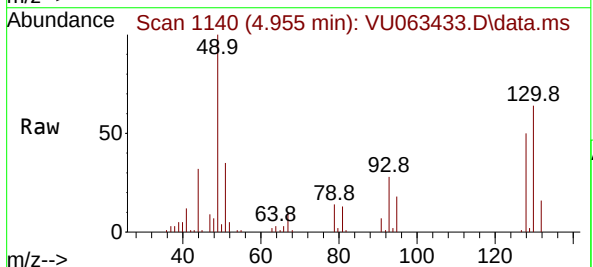
Manual Integrations
APPROVED

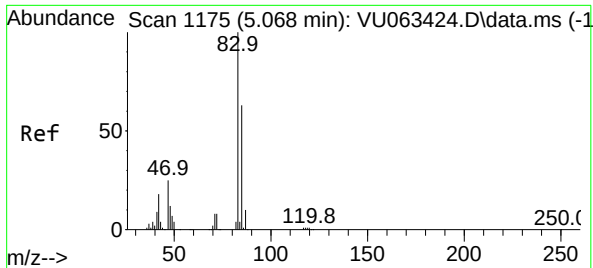
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#26
Bromochloromethane
Concen: 2.302 ug/l
RT: 4.955 min Scan# 1140
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:128 Resp: 14136
Ion Ratio Lower Upper
128 100
49 195.6 0.0 441.2
130 128.9 102.3 153.5





#27

Chloroform

Concen: 2.149 ug/l

RT: 5.071 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 83 Resp: 61140

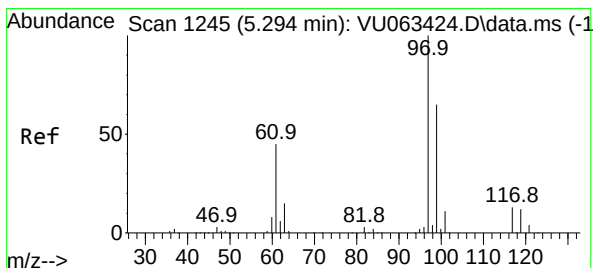
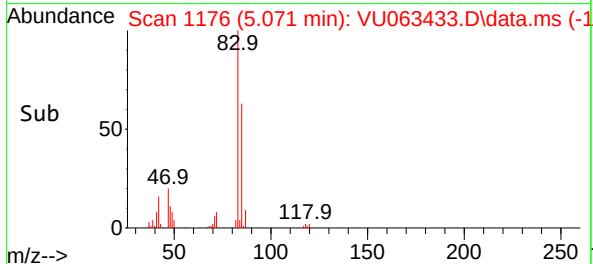
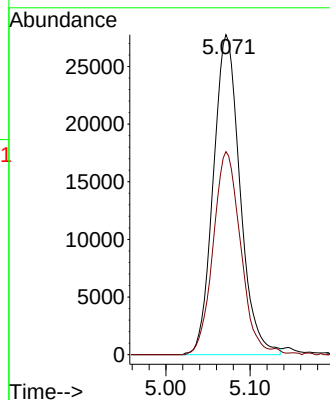
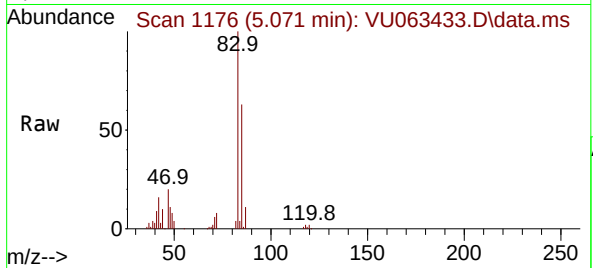
Ion Ratio Lower Upper

83 100

85 63.5 0.0 126.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#28

1,1,1-Trichloroethane

Concen: 2.100 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

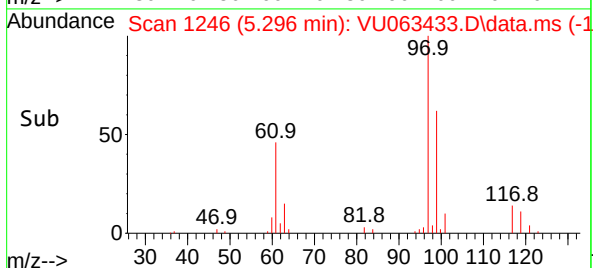
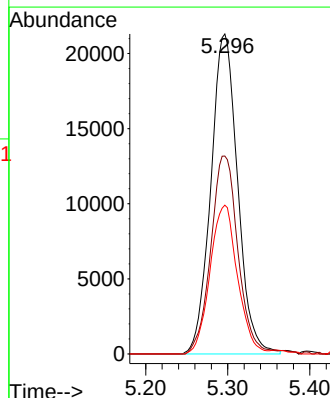
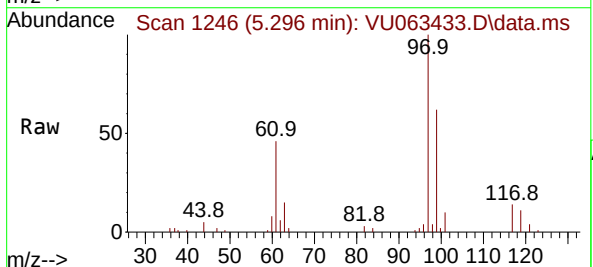
Tgt Ion: 97 Resp: 48456

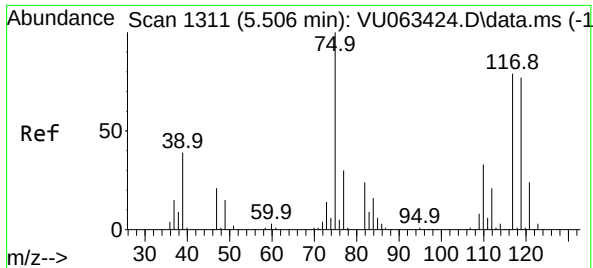
Ion Ratio Lower Upper

97 100

99 62.8 31.9 95.5

61 47.6 22.9 68.7





#29

1,1-Dichloropropene

Concen: 1.973 ug/l

RT: 5.505 min Scan# 11

Delta R.T. -0.001 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 75 Resp: 41570

Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.2

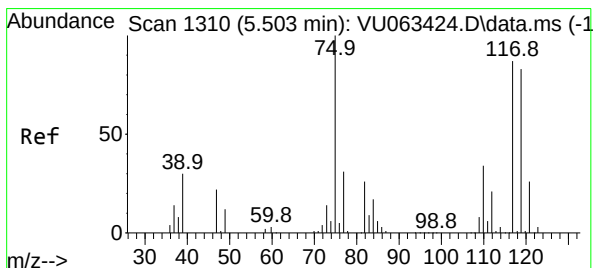
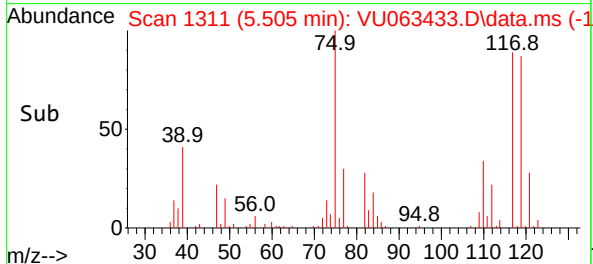
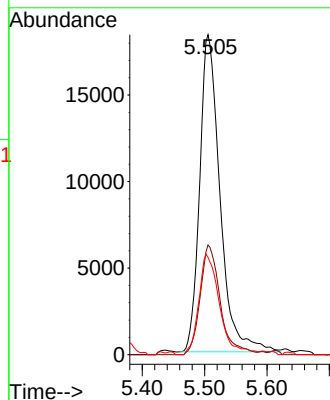
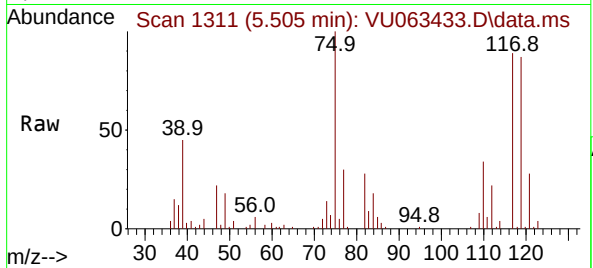
77 32.2 25.4 38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#30

Carbon Tetrachloride

Concen: 2.121 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.004 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

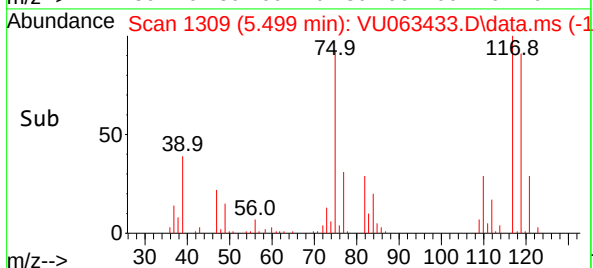
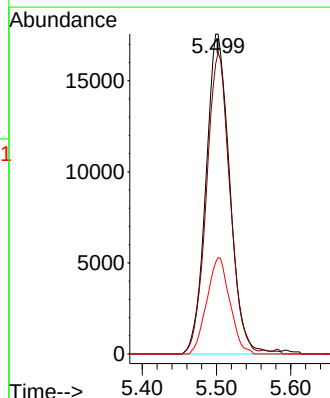
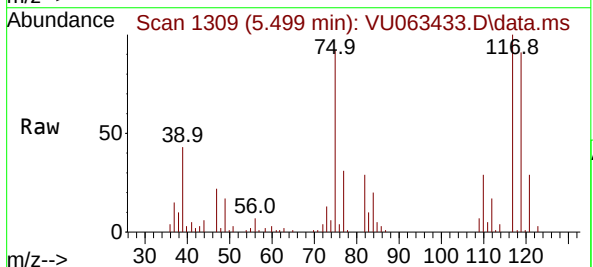
Tgt Ion:117 Resp: 39088

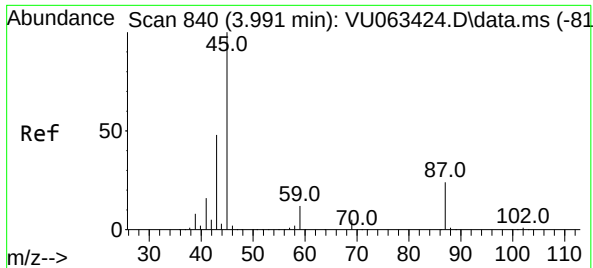
Ion Ratio Lower Upper

117 100

119 90.8 76.7 115.1

121 28.7 24.3 36.5





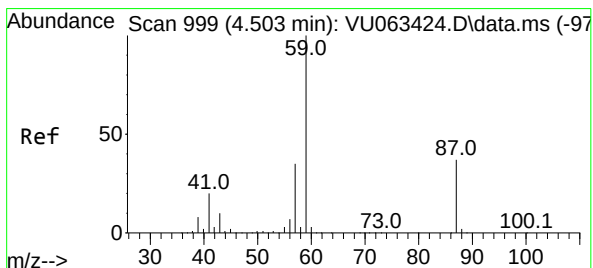
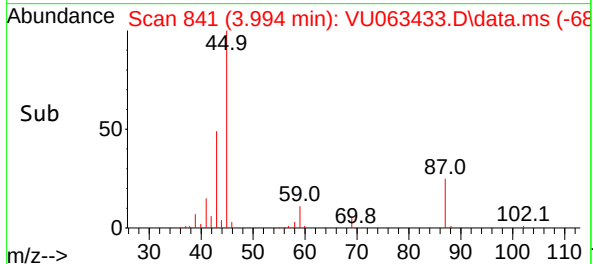
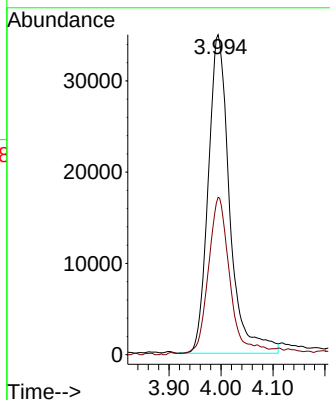
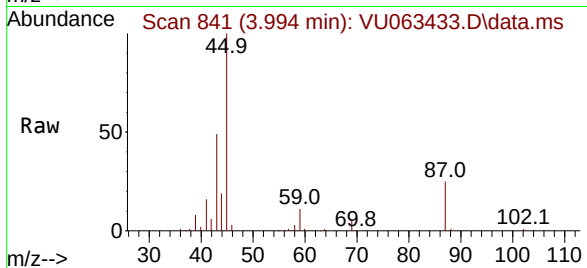
#31
Isopropyl Ether
Concen: 2.107 ug/l
RT: 3.994 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 45 Resp: 9990
Ion Ratio Lower Upper
45 100
43 47.4 23.8 71.5

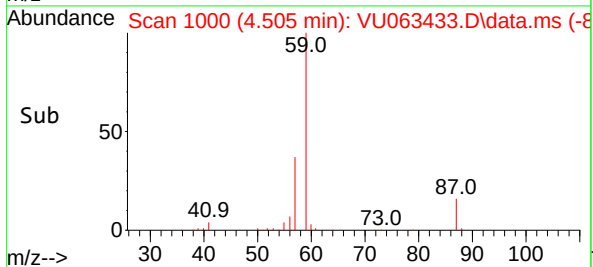
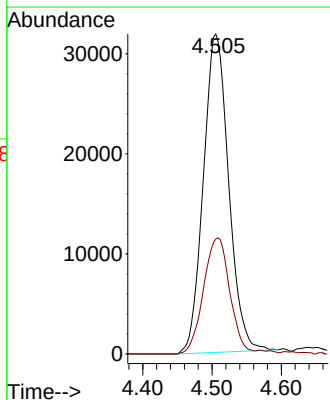
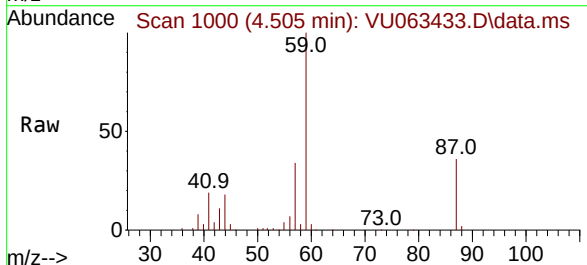
Manual Integrations
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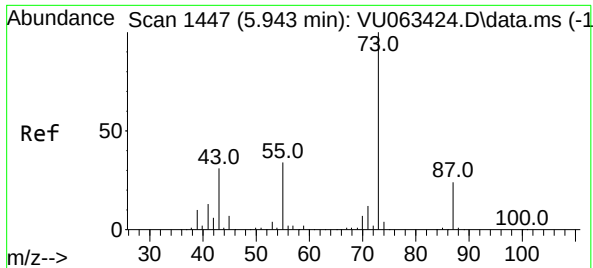
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#32
Ethyl-t-butyl ether
Concen: 2.009 ug/l
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 59 Resp: 80724
Ion Ratio Lower Upper
59 100
87 36.6 29.9 44.9





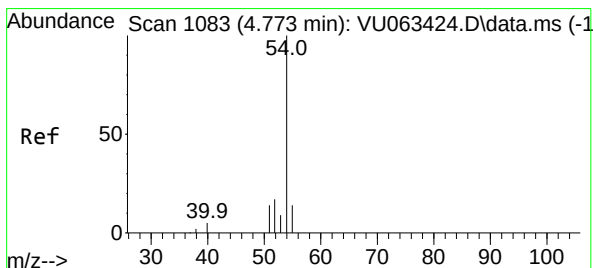
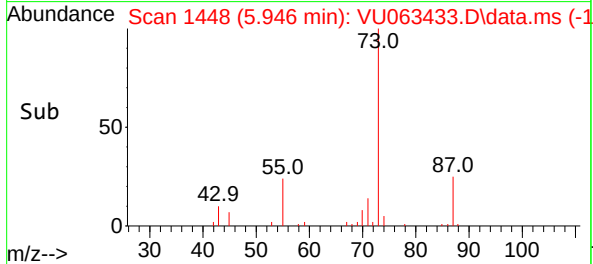
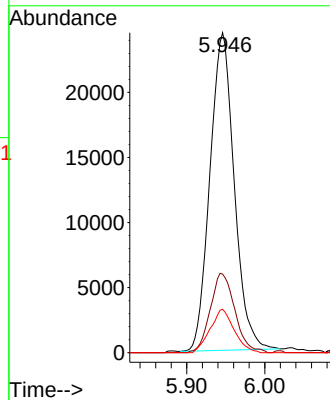
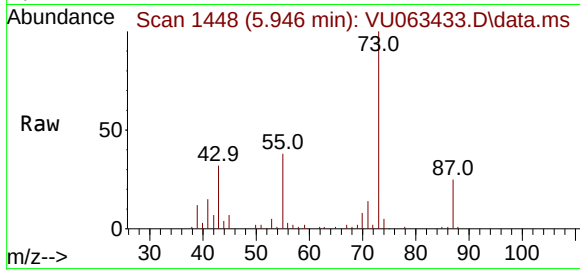
#33
Tert-Amyl methyl ether
Concen: 1.837 ug/l
RT: 5.946 min Scan# 1447
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 73 Resp: 5284
Ion Ratio Lower Upper
73 100
87 25.3 18.1 27.1
71 13.5 10.0 15.0

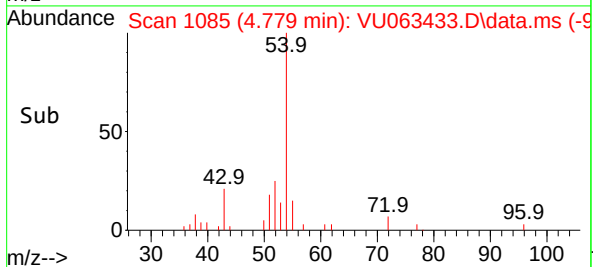
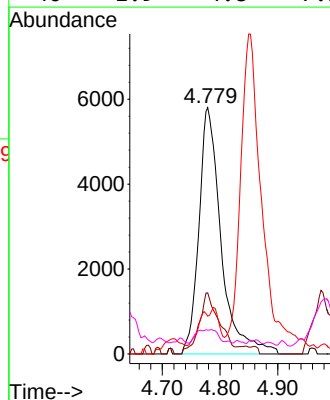
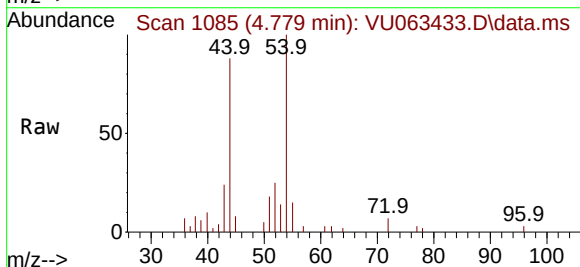
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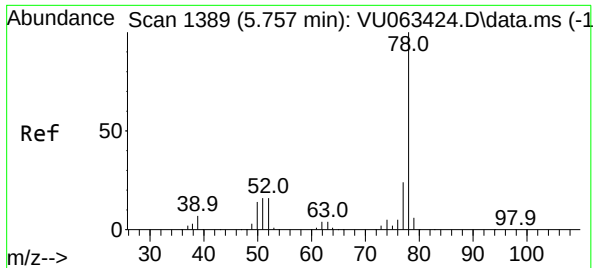
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#34
Propionitrile
Concen: 10.340 ug/l
RT: 4.779 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 54 Resp: 15493
Ion Ratio Lower Upper
54 100
52 22.6 14.8 22.2#
55 6.0 12.2 18.2#
40 1.9 4.8 7.2#





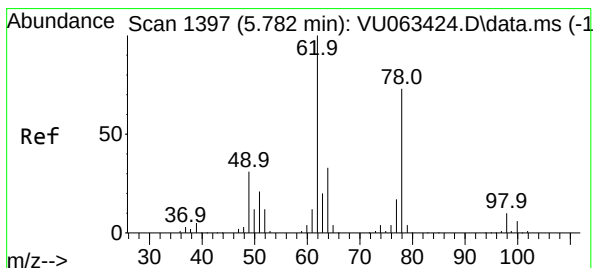
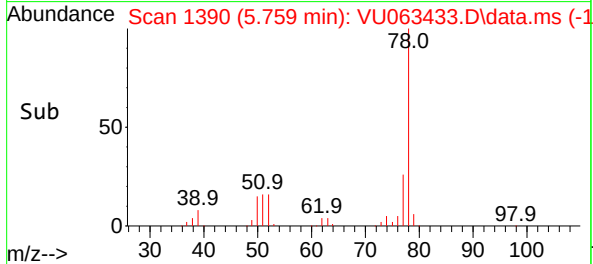
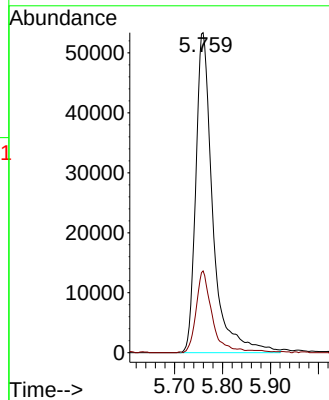
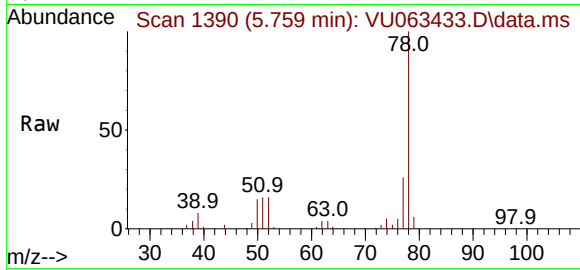
#35
Benzene
Concen: 2.065 ug/l
RT: 5.759 min Scan# 1389
Delta R.T. 0.002 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 78 Resp: 131629
Ion Ratio Lower Upper
78 100
77 25.3 19.4 29.2

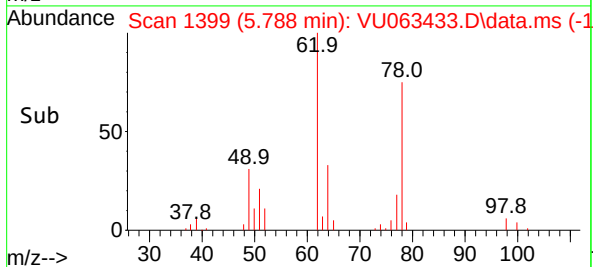
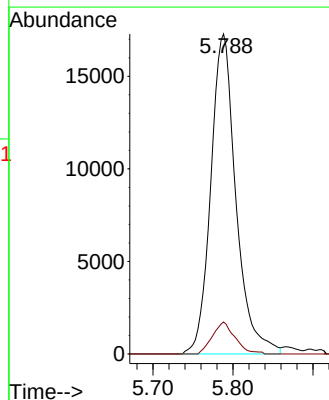
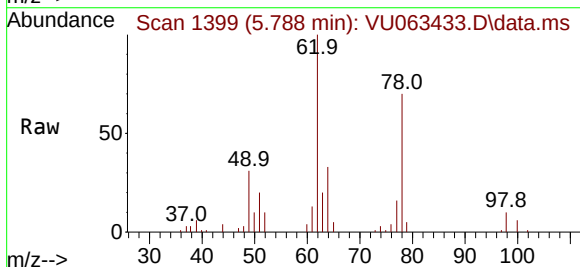
Manual Integrations
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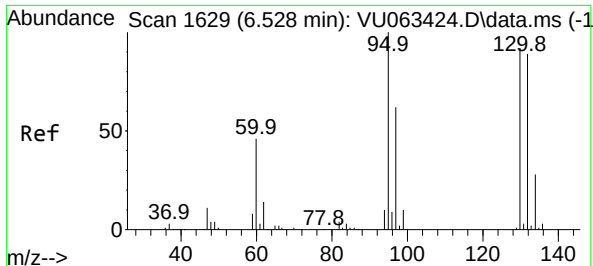
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#36
1,2-Dichloroethane
Concen: 2.030 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 62 Resp: 37840
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#37

Trichloroethene

Concen: 2.046 ug/l

RT: 6.534 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:130 Resp: 3082

Ion Ratio Lower Upper

130 100

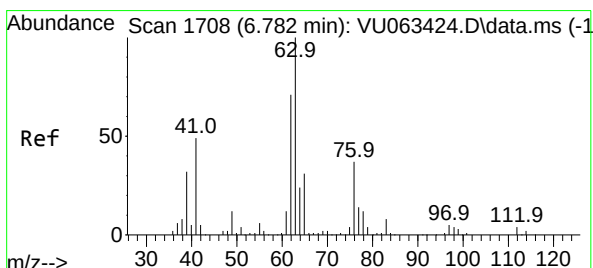
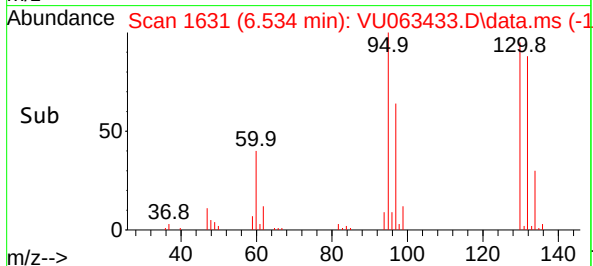
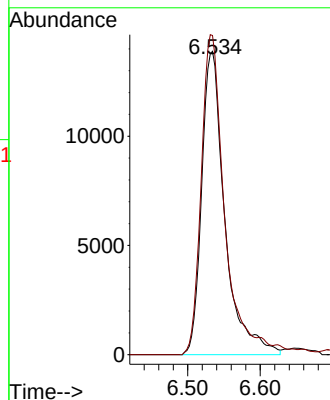
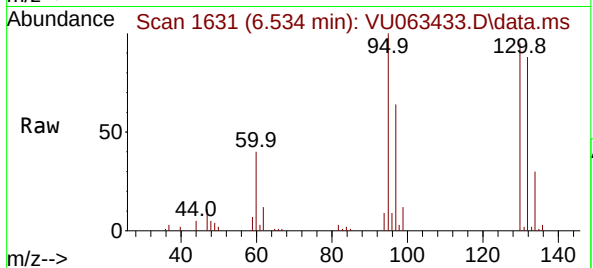
95 105.2 87.2 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#38

1,2-Dichloropropane

Concen: 2.054 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VU063433.D

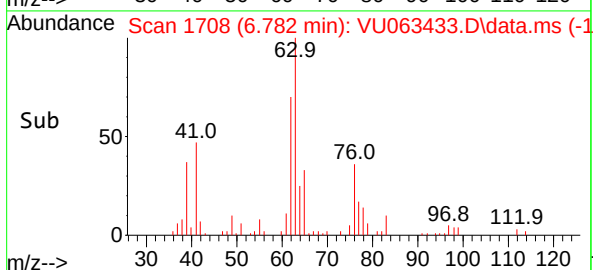
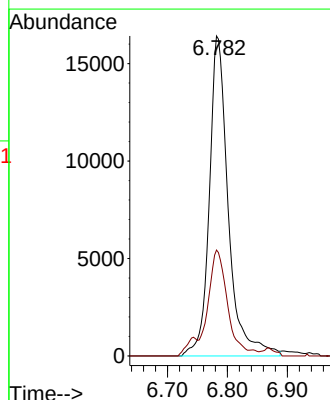
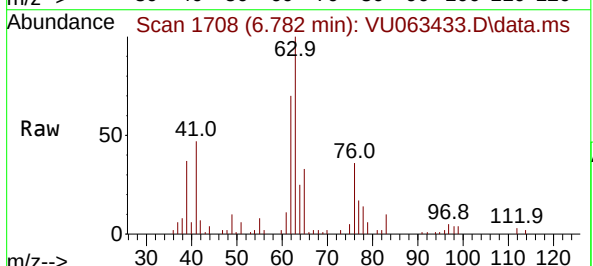
Acq: 24 Jun 2025 12:16

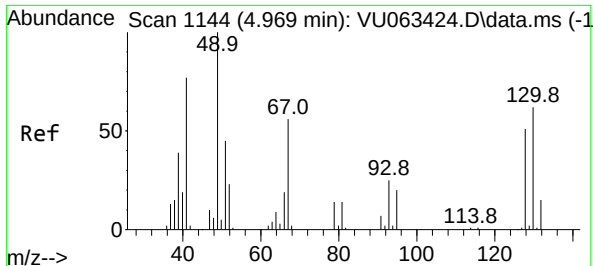
Tgt Ion: 63 Resp: 36163

Ion Ratio Lower Upper

63 100

65 32.4 25.0 37.6





#39

Methacrylonitrile

Concen: 1.712 ug/l

RT: 4.978 min Scan# 1144

Delta R.T. 0.009 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 41 Resp: 1067

Ion Ratio Lower Upper

41 100

67 80.2 59.8 89.8

39 55.6 40.7 61.1

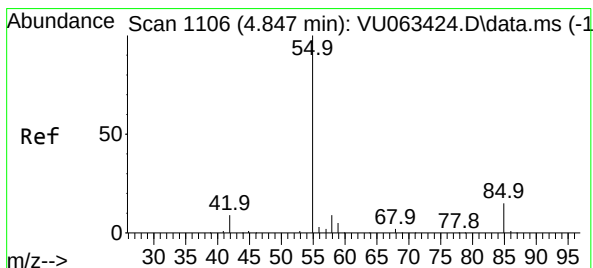
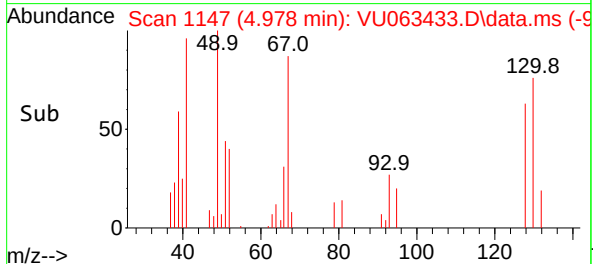
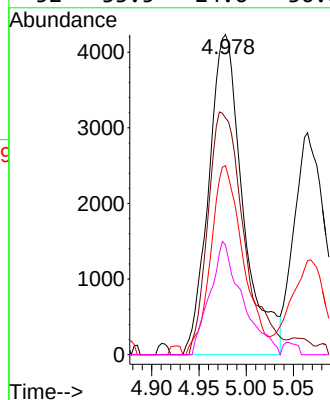
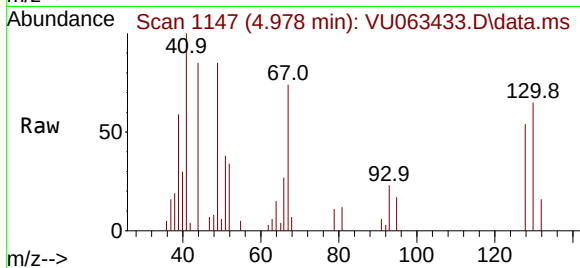
52 33.5 24.6 36.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#40

Methyl acrylate

Concen: 2.081 ug/l

RT: 4.849 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion: 55 Resp: 18218

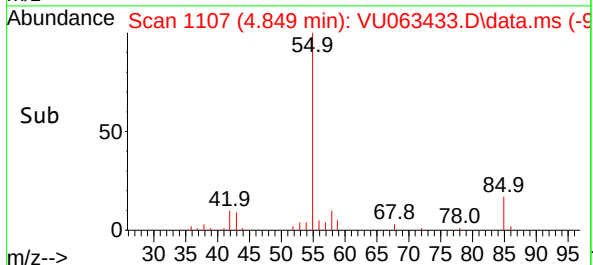
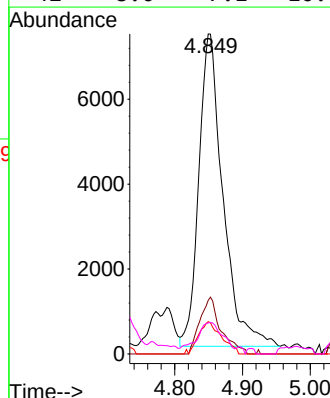
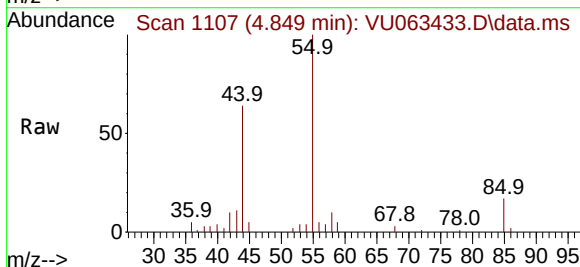
Ion Ratio Lower Upper

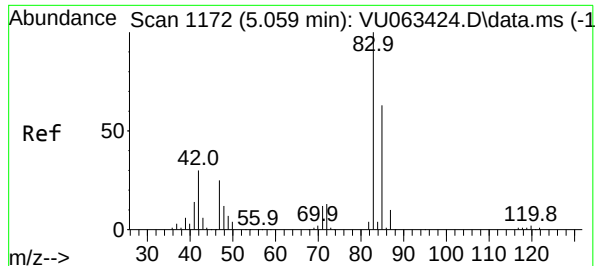
55 100

85 15.8 12.6 19.0

58 9.8 6.9 10.3

42 8.0 7.1 10.7





#41

Tetrahydrofuran

Concen: 3.477 ug/l

RT: 5.065 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

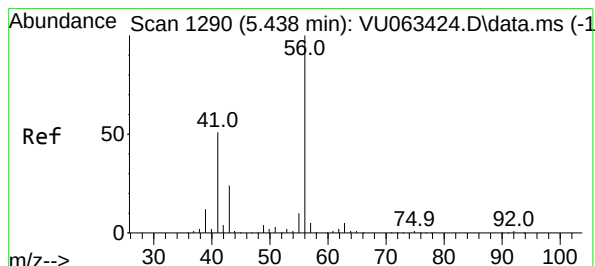
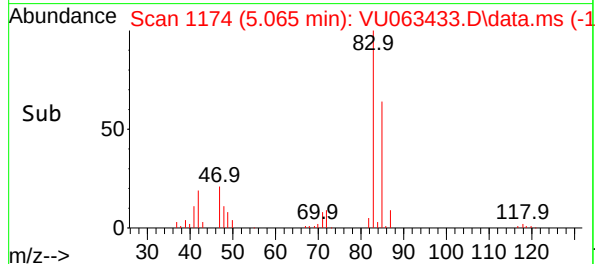
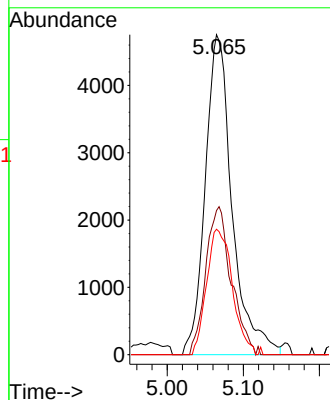
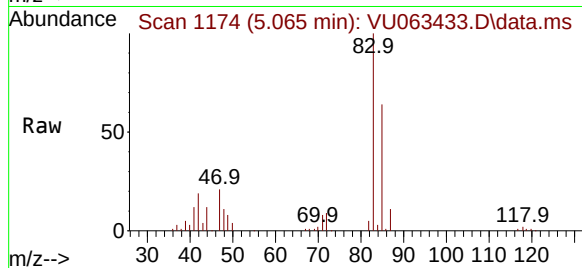
Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:	42	Resp:	1165
Ion Ratio	Lower	Upper	
42	100		
72	44.1	35.4	53.2
71	37.6	31.4	47.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#42

1-Chlorobutane

Concen: 1.897 ug/l

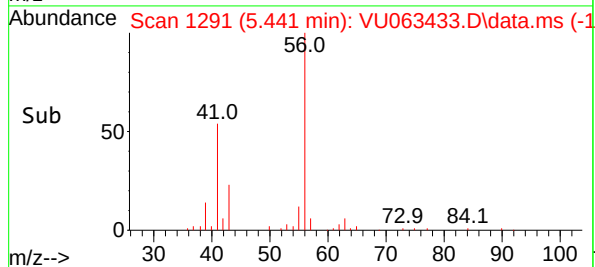
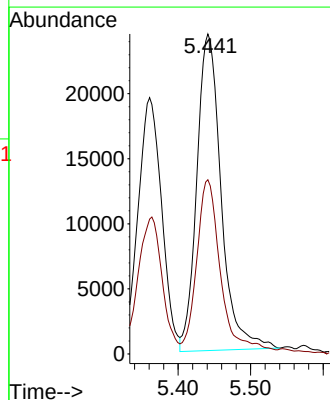
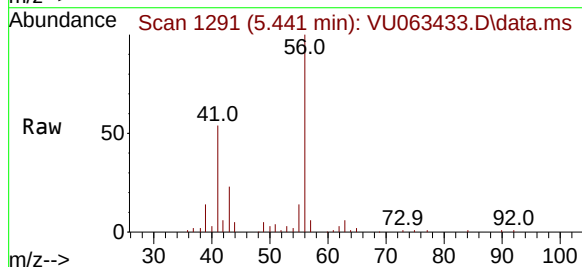
RT: 5.441 min Scan# 1291

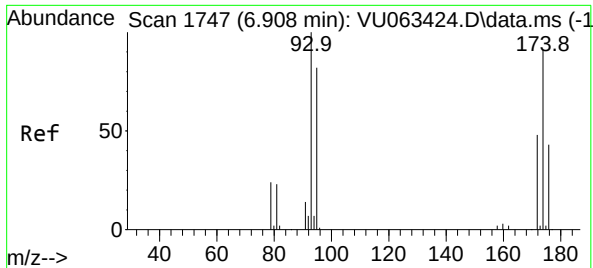
Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:	56	Resp:	56729
Ion Ratio	Lower	Upper	
56	100		
41	54.3	26.4	79.0





#43

Dibromomethane

Concen: 2.075 ug/l

RT: 6.910 min Scan# 1747

Delta R.T. 0.002 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 93 Resp: 1706

Ion Ratio Lower Upper

93 100

95 82.8 66.7 100.1

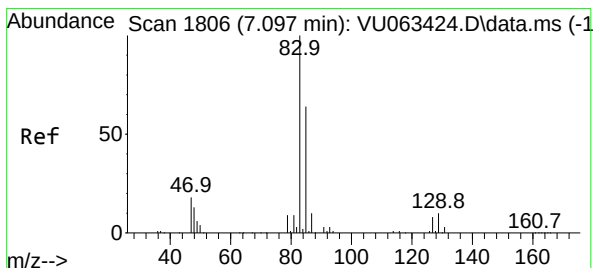
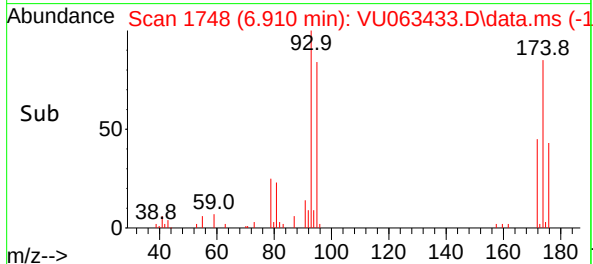
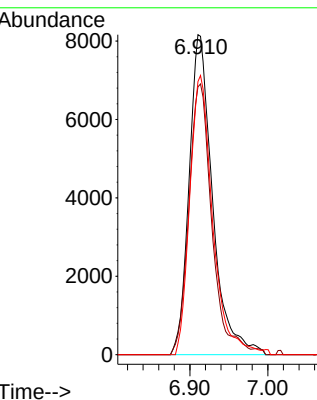
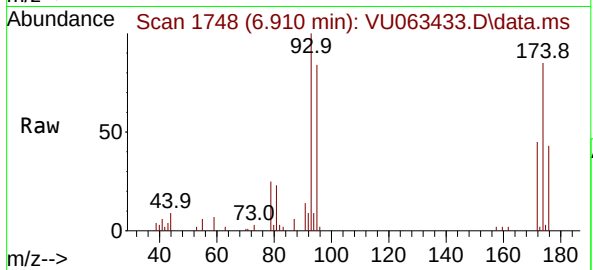
174 85.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#44

Bromodichloromethane

Concen: 2.056 ug/l

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

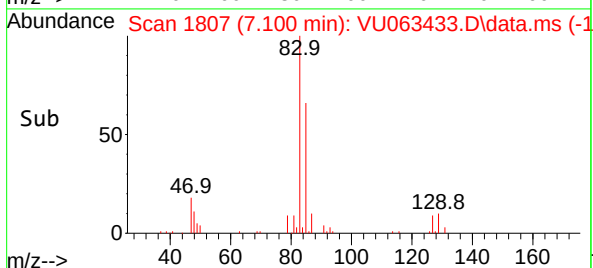
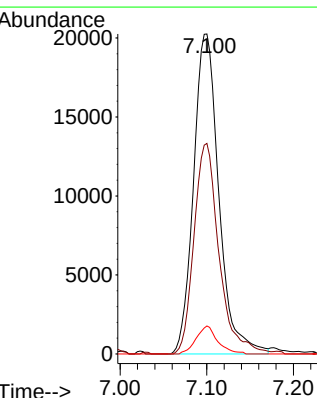
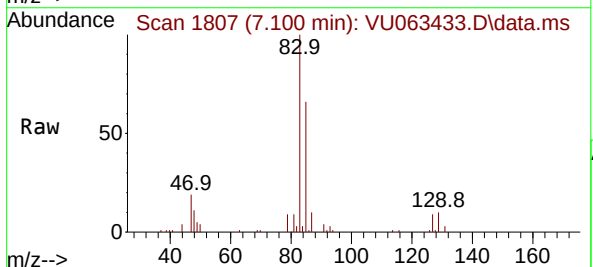
Tgt Ion: 83 Resp: 41184

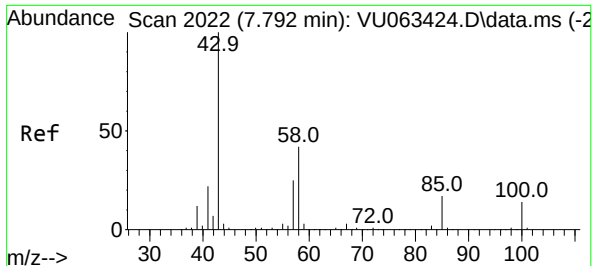
Ion Ratio Lower Upper

83 100

85 65.8 51.4 77.2

127 9.3 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 9.527 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.006 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

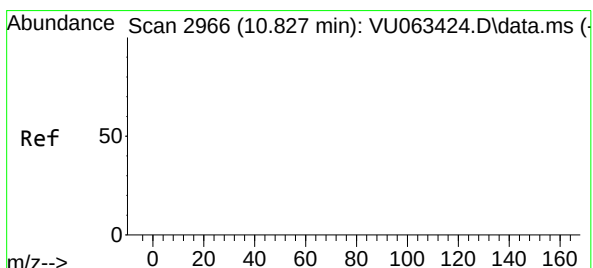
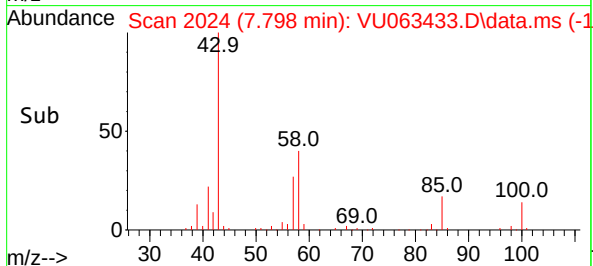
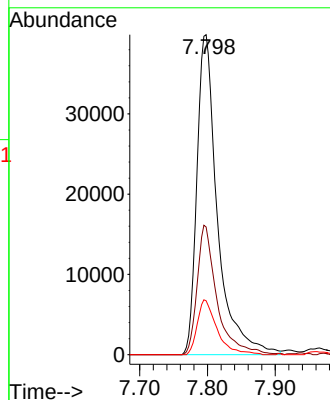
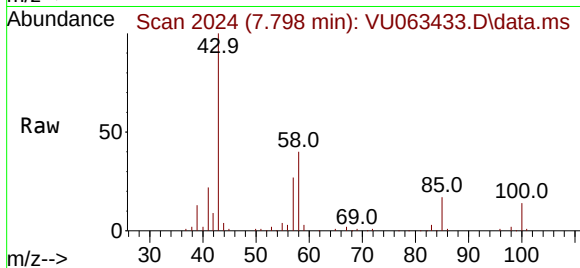
VU0624WBSD01

Tgt Ion:	43	Resp:	8411
Ion	Ratio	Lower	Upper
43	100		
58	38.9	20.5	61.6
85	16.5	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#46

t-1,4-Dichloro-2-butene

Concen: 3.914 ug/l m

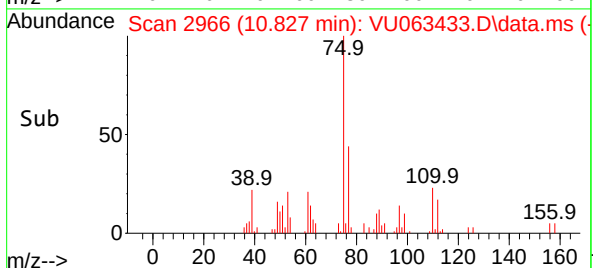
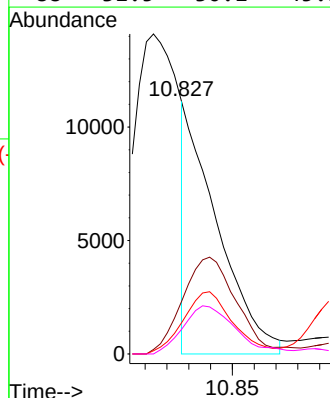
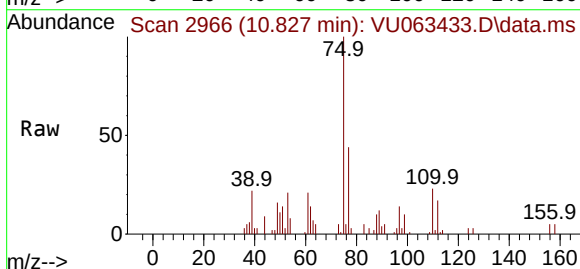
RT: 10.827 min Scan# 2966

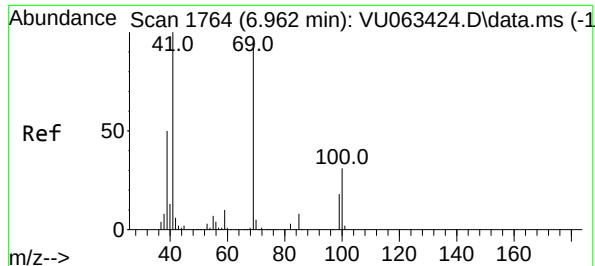
Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:	75	Resp:	11360
Ion	Ratio	Lower	Upper
75	100		
53	65.4	61.4	92.2
89	38.5	39.2	58.8#
88	31.5	30.1	45.1





#47

Methyl methacrylate

Concen: 3.922 ug/l

RT: 6.968 min Scan# 1764

Delta R.T. 0.006 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 69 Resp: 2469

Ion Ratio Lower Upper

69 100

41 96.9 0.0 212.6

39 45.5 40.6 61.0

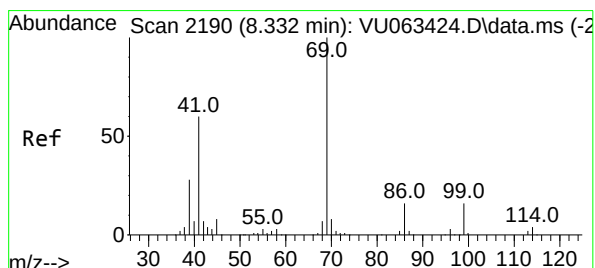
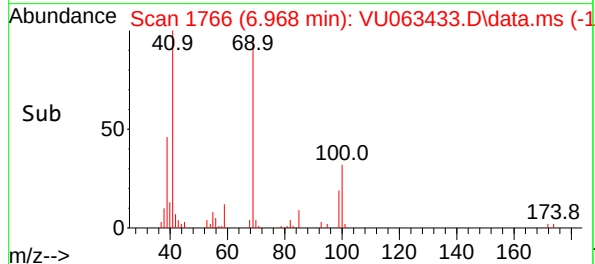
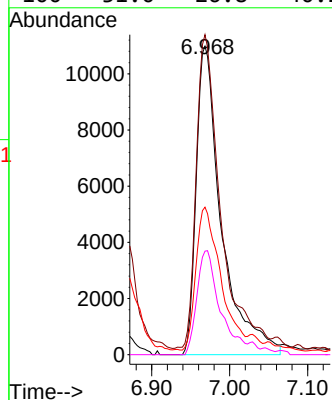
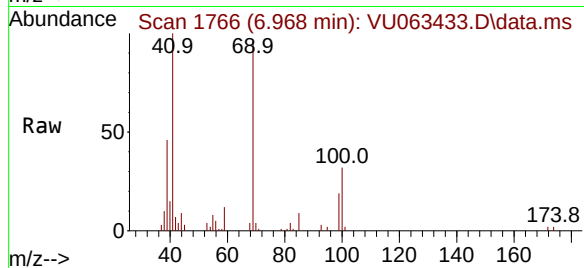
100 31.0 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#48

Ethyl methacrylate

Concen: 2.030 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VU063433.D

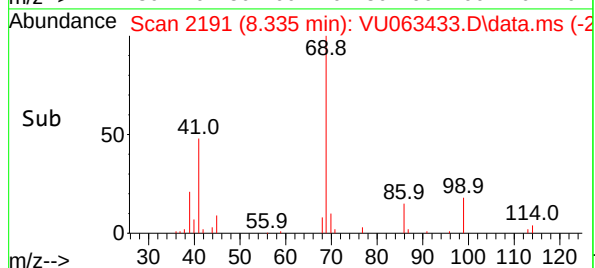
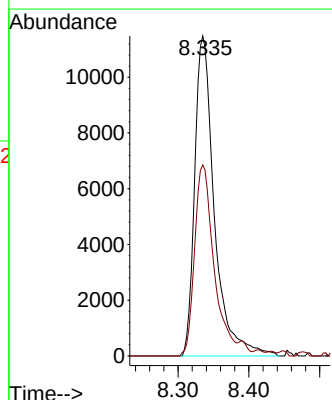
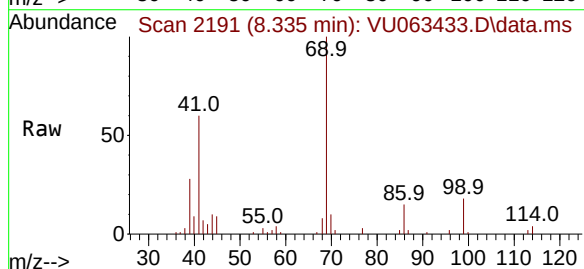
Acq: 24 Jun 2025 12:16

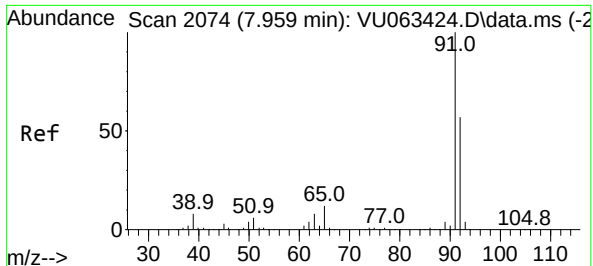
Tgt Ion: 69 Resp: 22157

Ion Ratio Lower Upper

69 100

41 58.6 30.6 92.0





#49

Toluene

Concen: 1.995 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 92 Resp: 69828

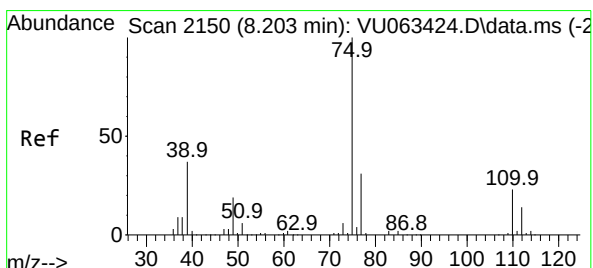
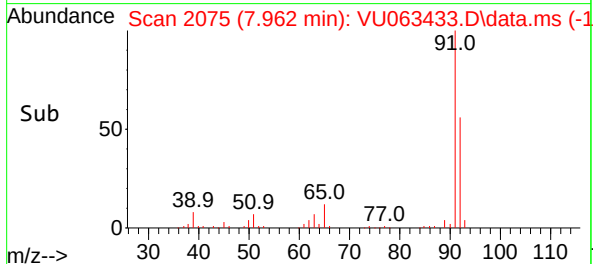
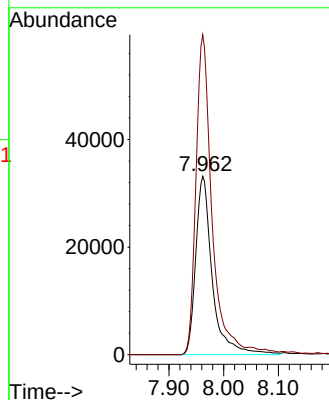
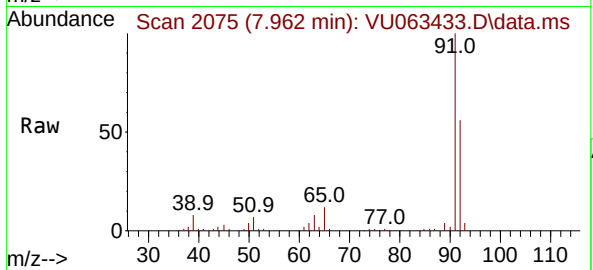
Ion Ratio Lower Upper

92 100

91 169.9 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#50

t-1,3-Dichloropropene

Concen: 1.910 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063433.D

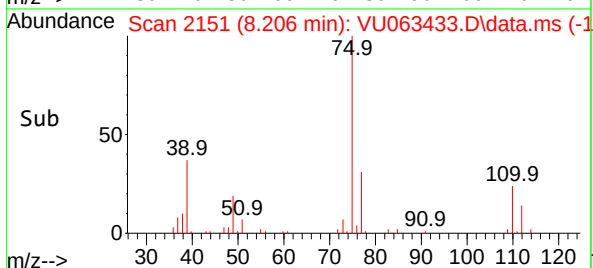
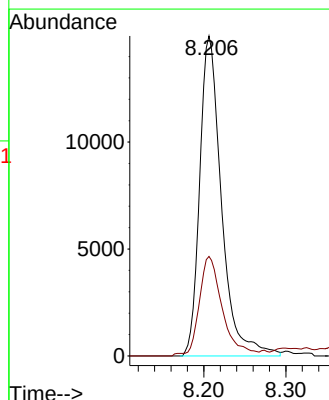
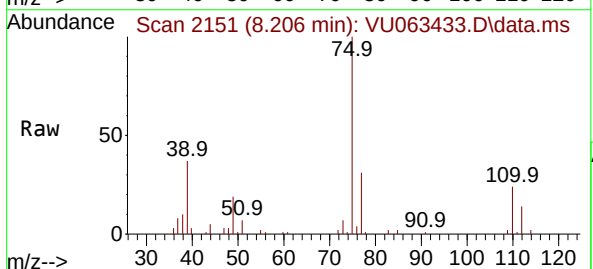
Acq: 24 Jun 2025 12:16

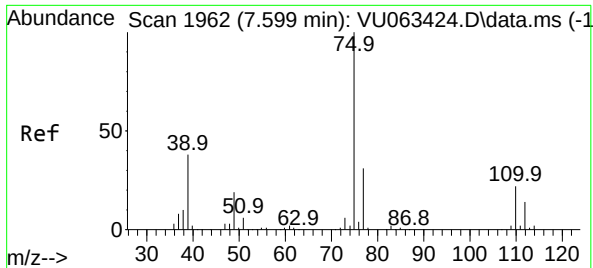
Tgt Ion: 75 Resp: 27590

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 1.994 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

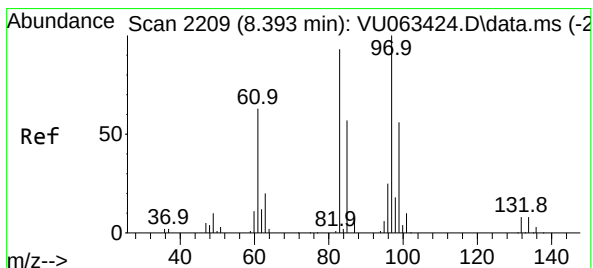
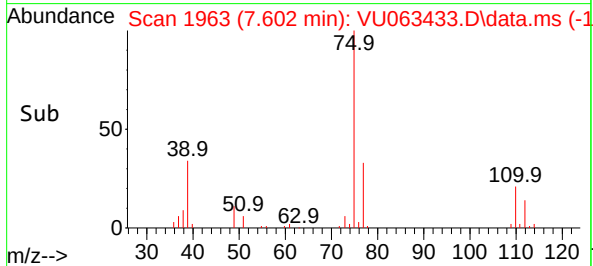
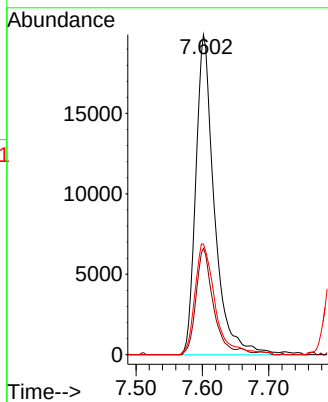
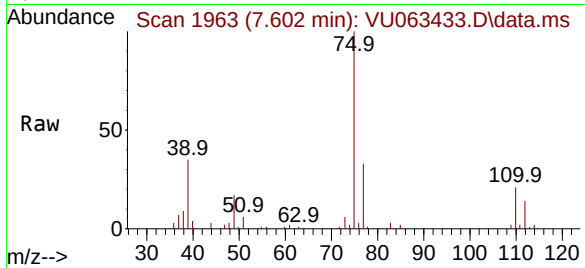
ClientSampleId :

VU0624WBSD01

Tgt Ion:	75	Resp:	3869
Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.8	37.2
39	34.6	30.7	46.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#52

1,1,2-Trichloroethane

Concen: 2.046 ug/l

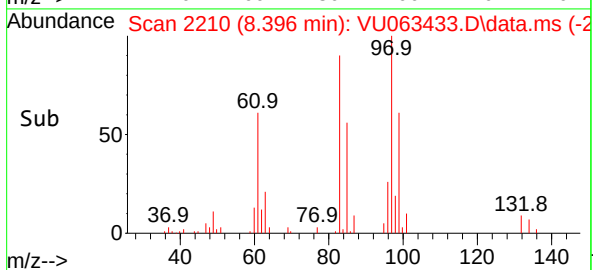
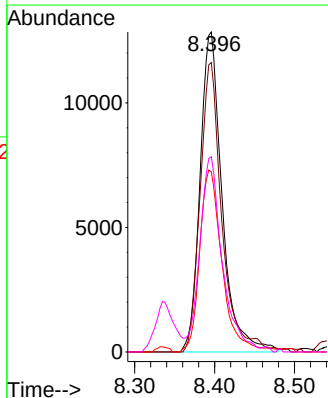
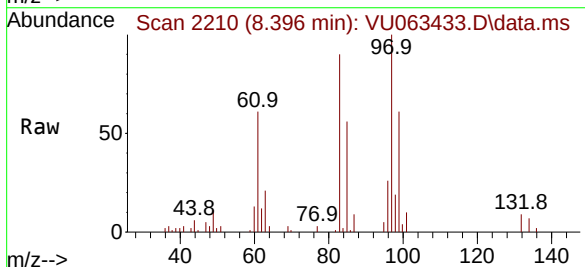
RT: 8.396 min Scan# 2210

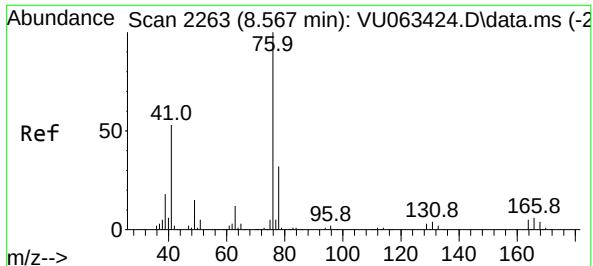
Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:	97	Resp:	24606
Ion	Ratio	Lower	Upper
97	100		
83	90.4	74.1	111.1
85	56.3	45.8	68.8
99	60.2	50.2	75.4





#53

1,3-Dichloropropane

Concen: 2.010 ug/l

RT: 8.569 min Scan# 21

Delta R.T. 0.002 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 76 Resp: 4158

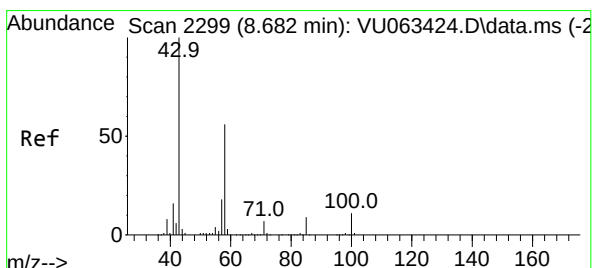
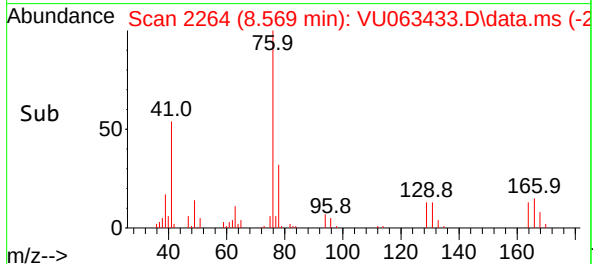
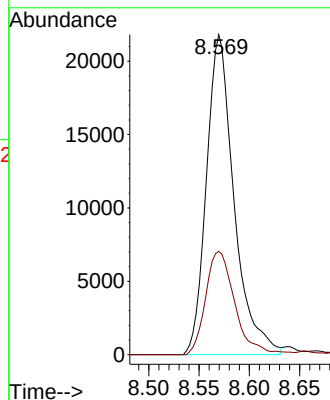
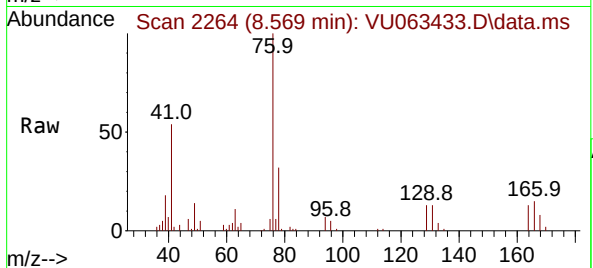
Ion Ratio Lower Upper

76 100

78 34.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#54

2-Hexanone

Concen: 9.809 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.006 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

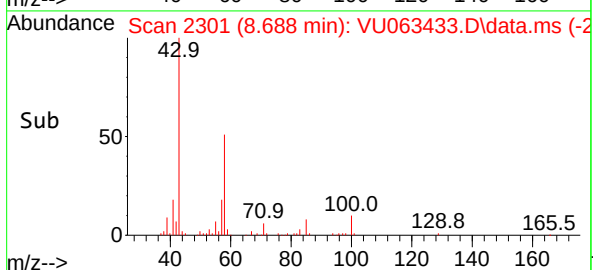
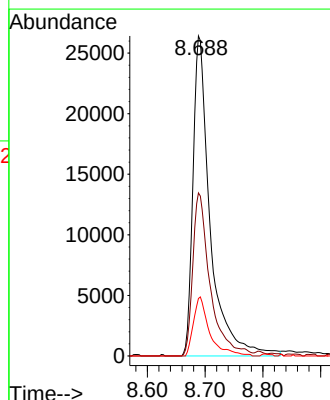
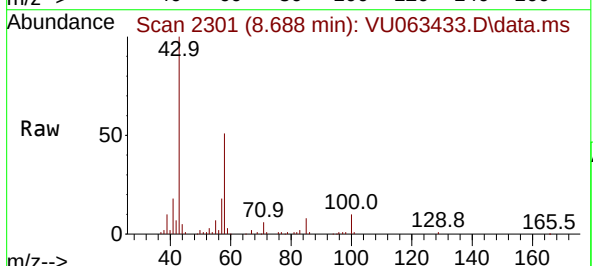
Tgt Ion: 43 Resp: 54892

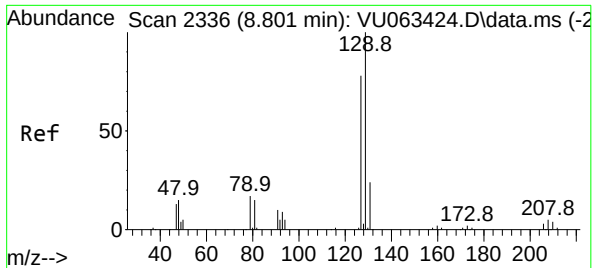
Ion Ratio Lower Upper

43 100

58 51.1 36.9 76.9

57 17.3 0.0 38.8





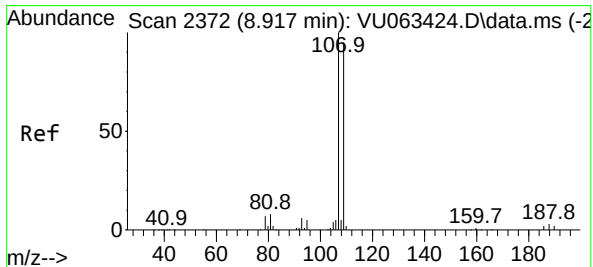
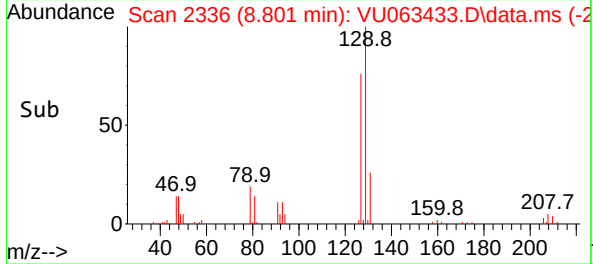
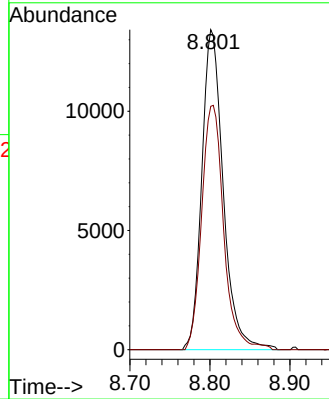
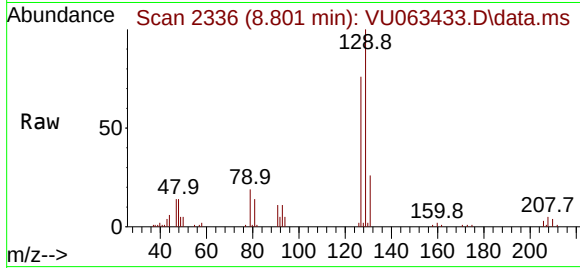
#55
Dibromochloromethane
Concen: 2.018 ug/l
RT: 8.801 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:129 Resp: 25038
Ion Ratio Lower Upper
129 100
127 78.3 62.6 93.8

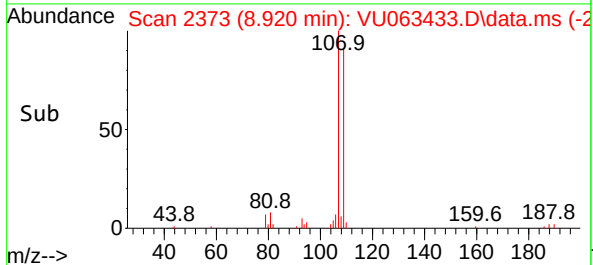
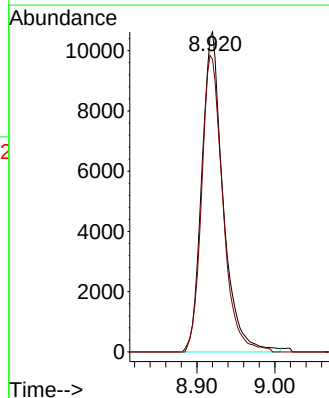
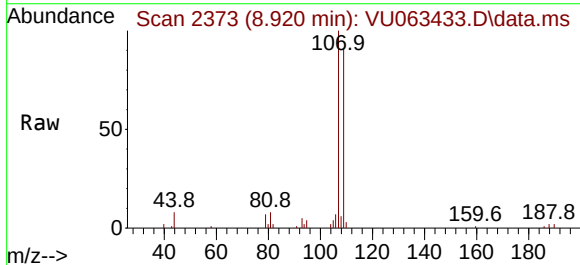
Manual Integrations
APPROVED

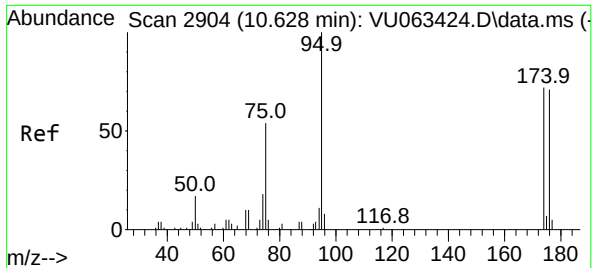
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#56
1,2-Dibromoethane
Concen: 2.069 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

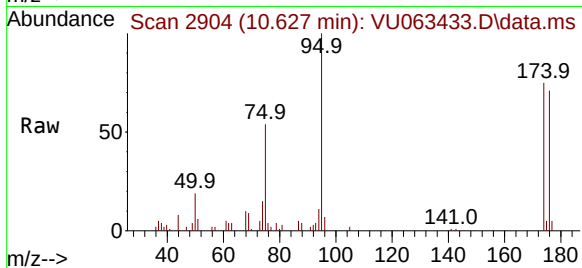
Tgt Ion:107 Resp: 20163
Ion Ratio Lower Upper
107 100
109 92.3 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.999 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. -0.001 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

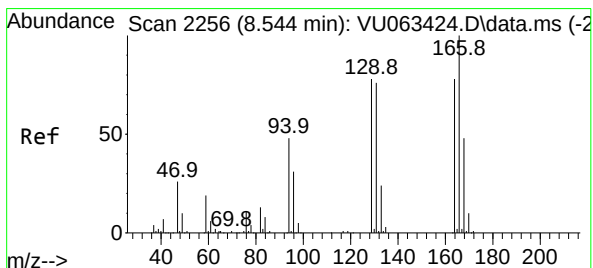
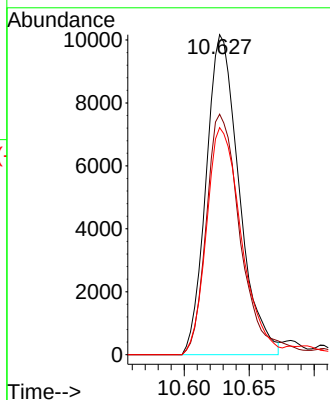
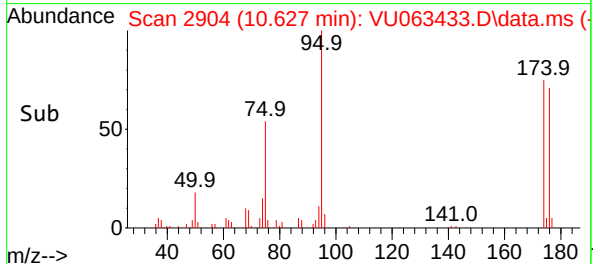
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01



Tgt Ion: 95 Resp: 17940
Ion Ratio Lower Upper
95 100
174 78.2 59.4 89.2
176 75.0 57.8 86.6

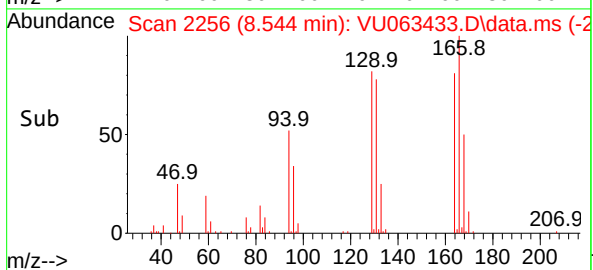
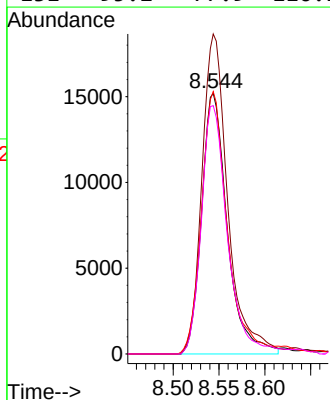
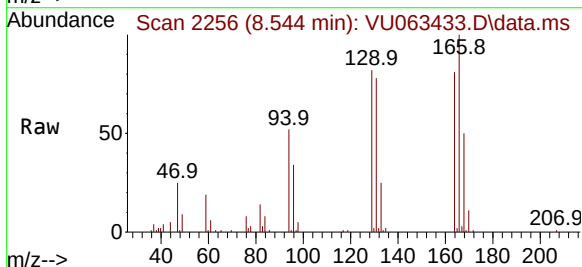
Manual Integrations
APPROVED

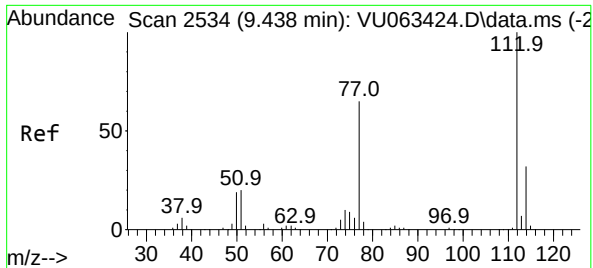
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#58
Tetrachloroethene
Concen: 2.001 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:164 Resp: 29570
Ion Ratio Lower Upper
164 100
166 122.7 102.8 154.2
129 100.7 80.2 120.2
131 95.2 77.9 116.9





#59

Chlorobenzene

Concen: 2.013 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:112 Resp: 7541

Ion Ratio Lower Upper

112 100

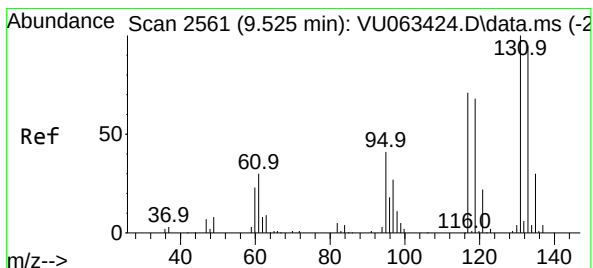
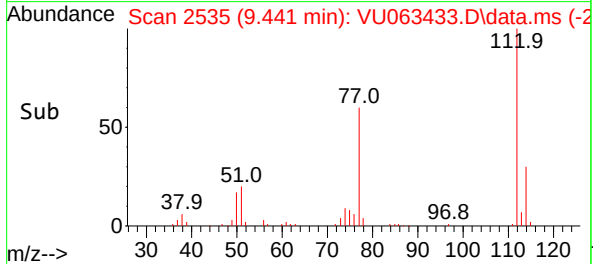
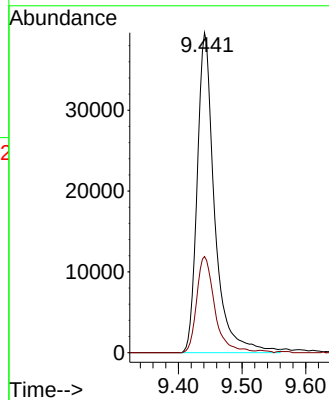
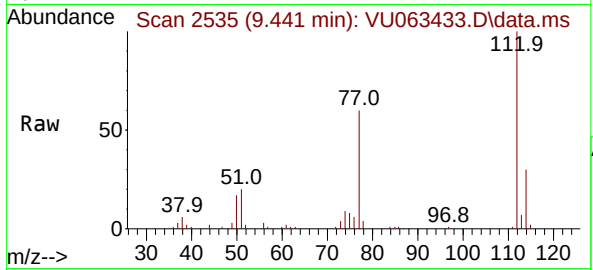
114 30.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.995 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.001 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

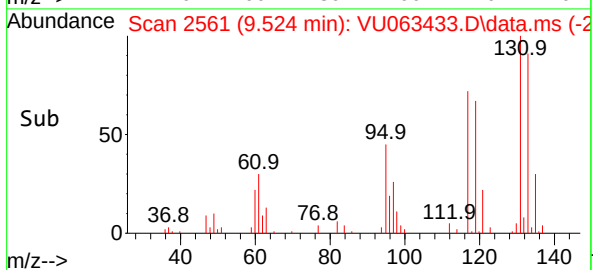
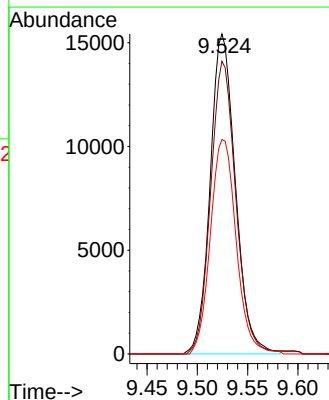
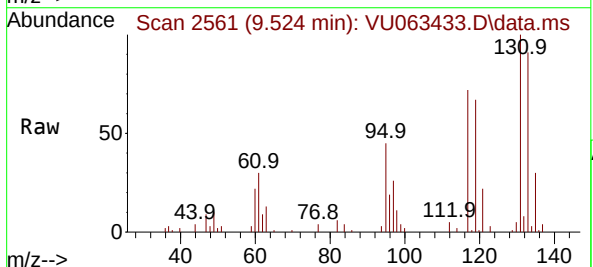
Tgt Ion:131 Resp: 26908

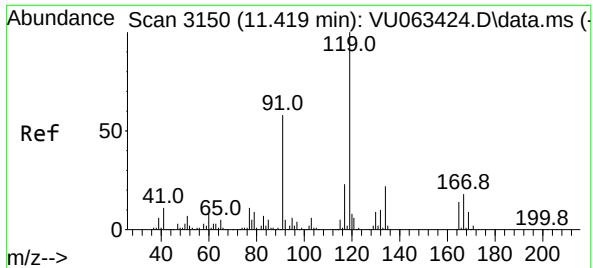
Ion Ratio Lower Upper

131 100

133 91.8 76.1 114.1

119 68.6 53.7 80.5





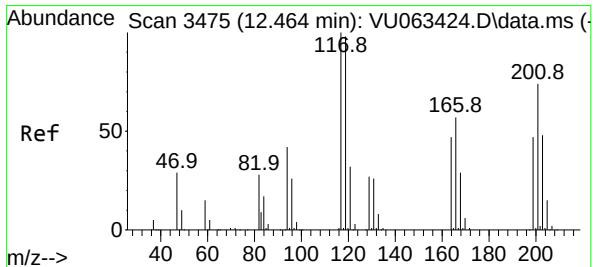
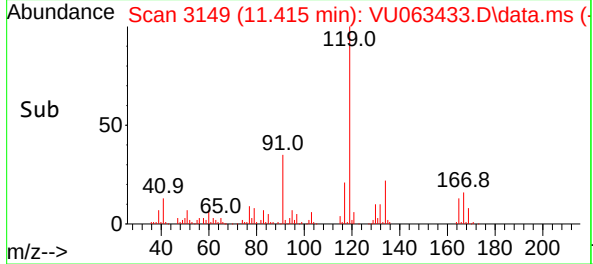
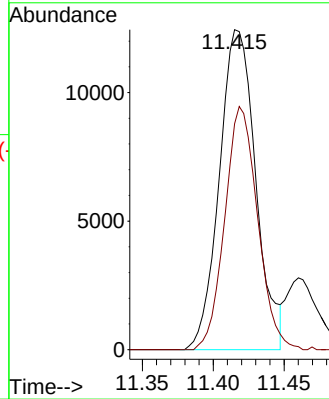
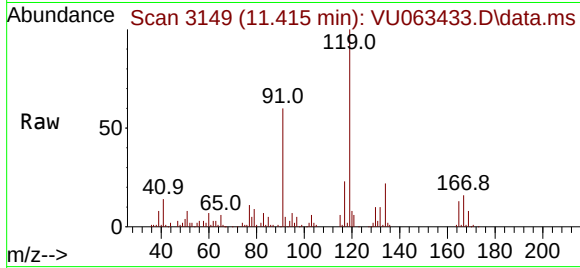
#61
Pentachloroethane
Concen: 2.028 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. -0.004 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:117 Resp: 2228
Ion Ratio Lower Upper
117 100
167 68.6 58.1 87.1

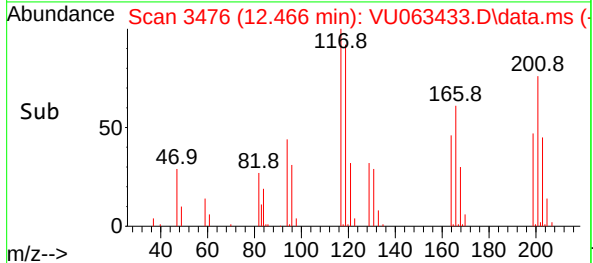
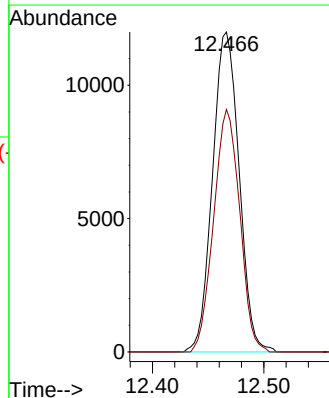
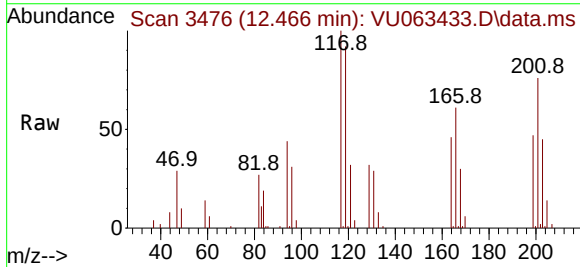
Manual Integrations
APPROVED

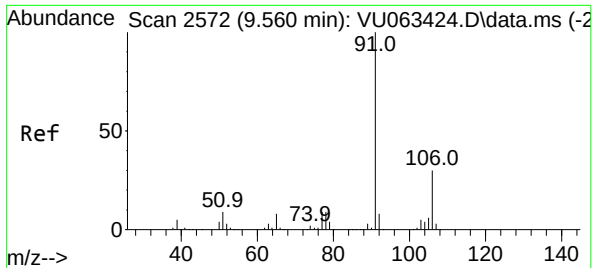
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#62
Hexachloroethane
Concen: 2.014 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:117 Resp: 19905
Ion Ratio Lower Upper
117 100
201 74.3 60.4 90.6





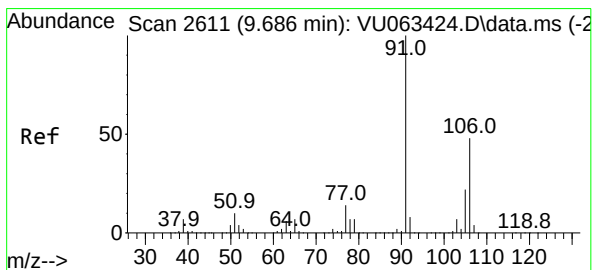
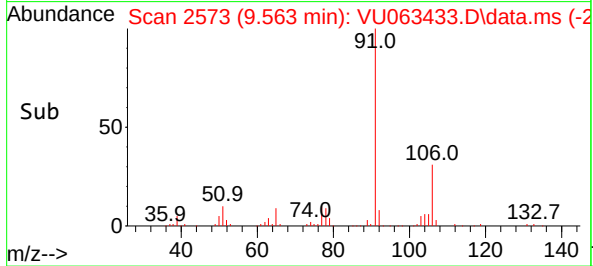
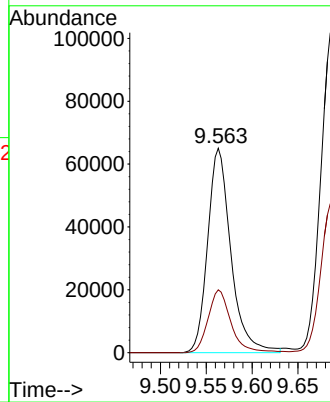
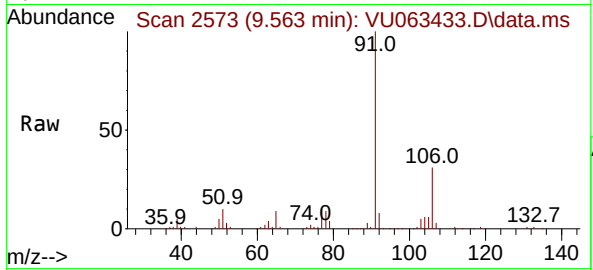
#63
Ethyl Benzene
Concen: 1.909 ug/l
RT: 9.563 min Scan# 211469
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion: 91 Resp: 11469
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2

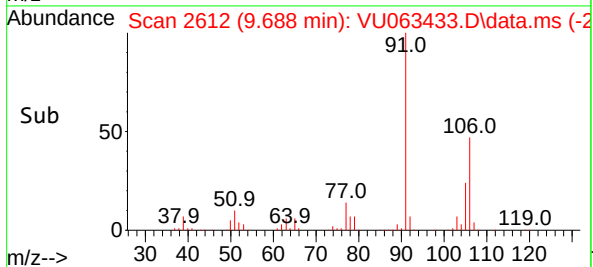
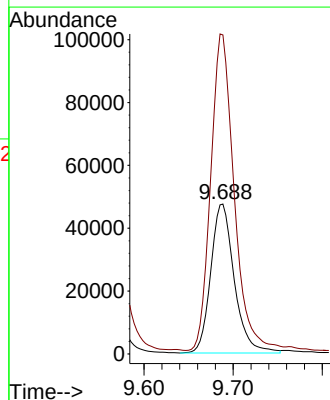
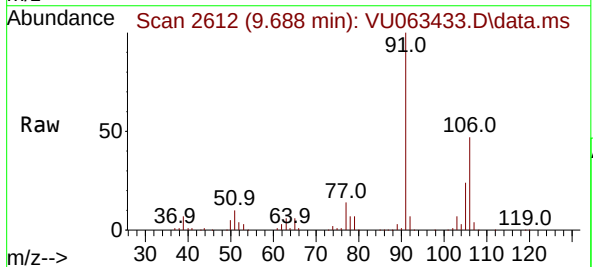
Manual Integrations
APPROVED

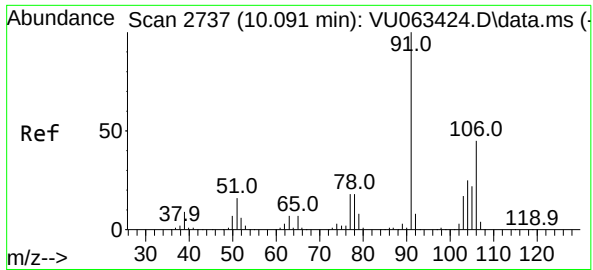
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#64
m/p-Xylenes
Concen: 3.731 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. 0.002 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:106 Resp: 87004
Ion Ratio Lower Upper
106 100
91 217.4 169.9 254.9





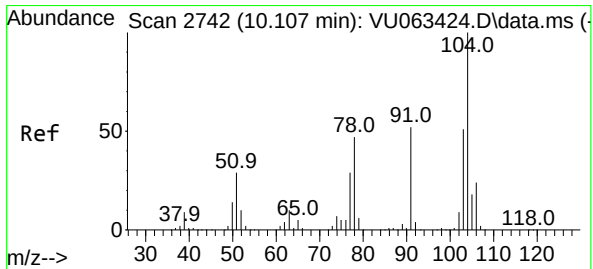
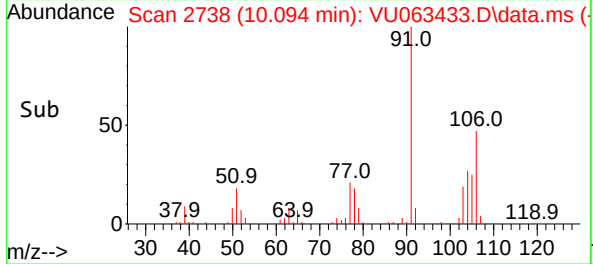
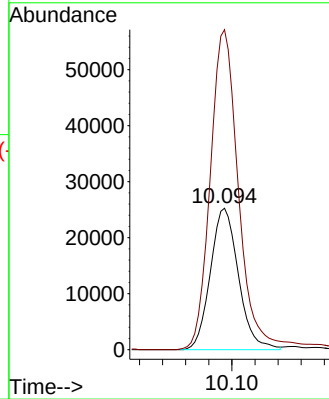
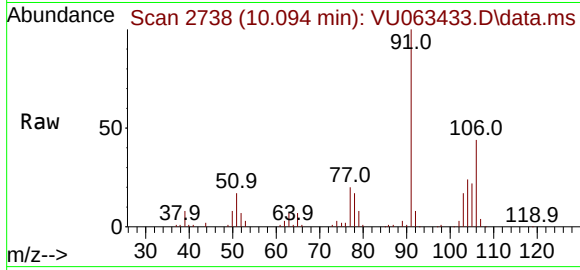
#65
o-Xylene
Concen: 1.869 ug/l
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:106 Resp: 4264
Ion Ratio Lower Upper
106 100
91 231.6 110.8 332.3

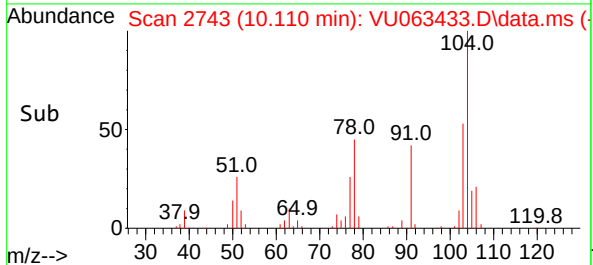
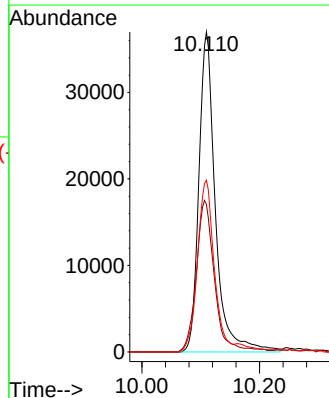
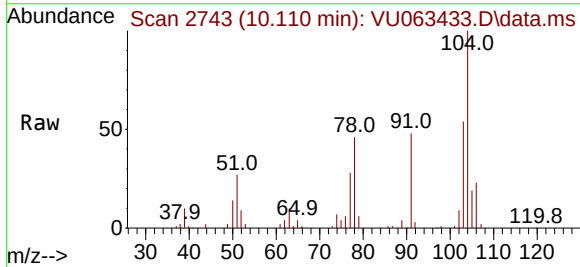
Manual Integrations
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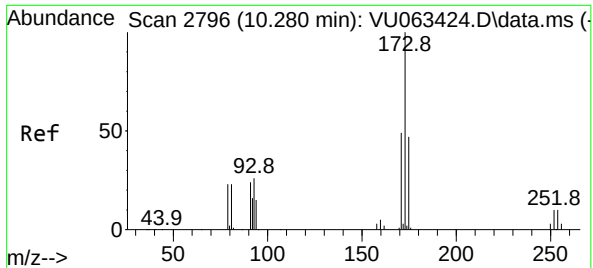
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#66
Styrene
Concen: 1.925 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

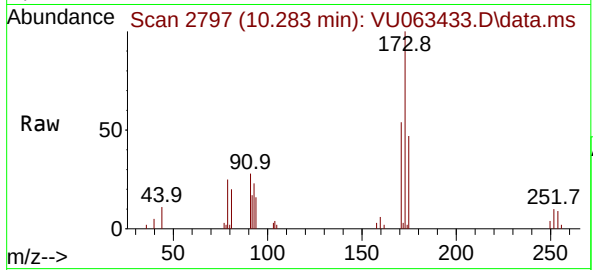
Tgt Ion:104 Resp: 71958
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 54.1 44.6 67.0





#67
Bromoform
Concen: 2.008 ug/l
RT: 10.283 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

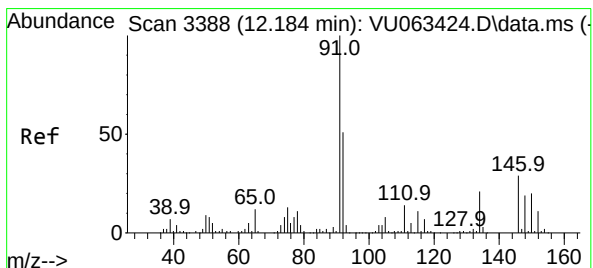
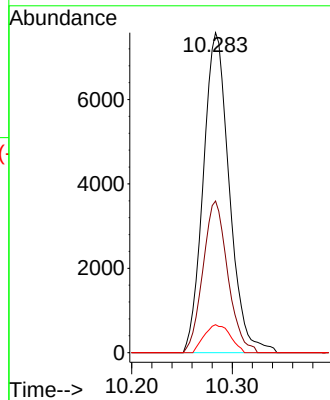
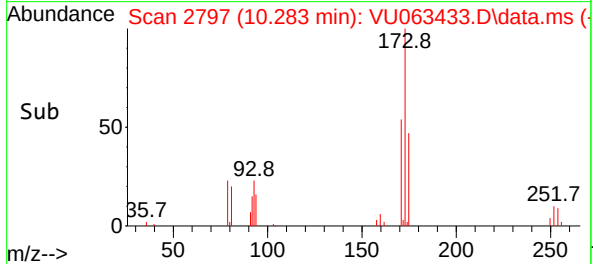
Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01



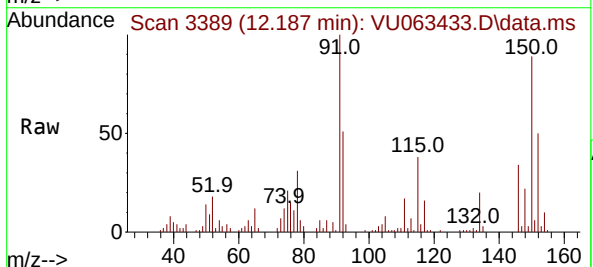
Tgt Ion:173 Resp: 1361
Ion Ratio Lower Upper
173 100
175 45.2 38.2 57.2
254 8.7 7.6 11.4

Manual Integrations
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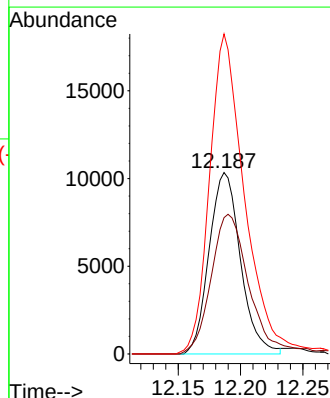
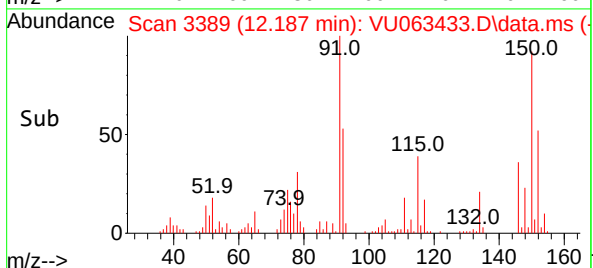
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

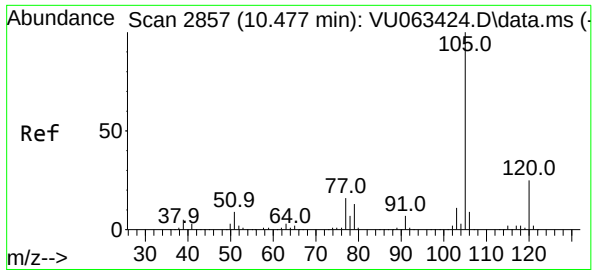


#68
1,2-Dichlorobenzene-d4
Concen: 1.004 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16



Tgt Ion:152 Resp: 18111
Ion Ratio Lower Upper
152 100
115 93.2 0.0 327.6
150 198.0 0.0 664.4





#69

Isopropylbenzene

Concen: 1.960 ug/l

RT: 10.476 min Scan# 21

Delta R.T. -0.001 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:105 Resp: 10363

Ion Ratio Lower Upper

105 100

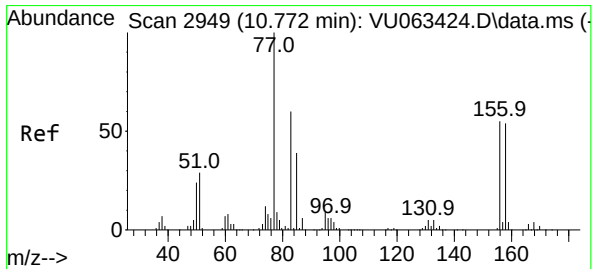
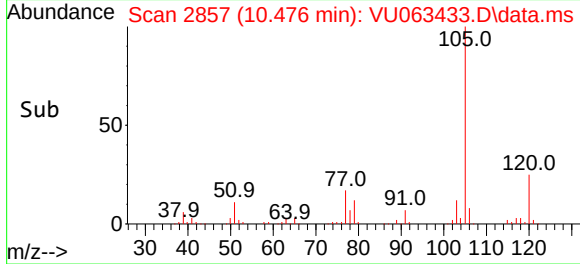
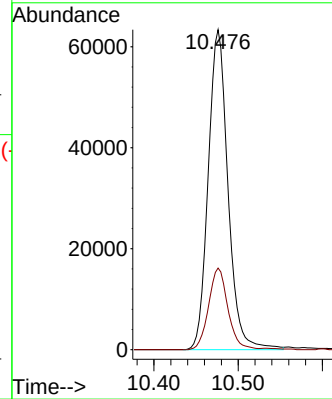
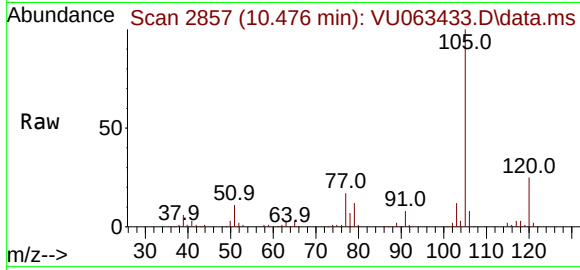
120 24.9 12.7 38.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 2.069 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

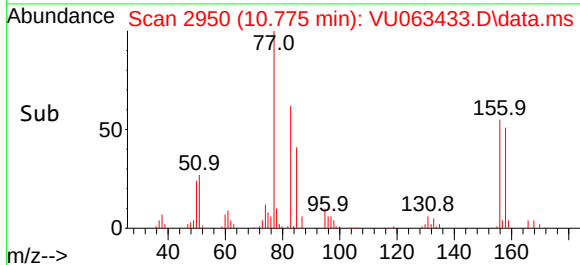
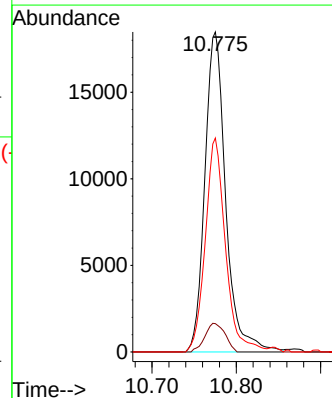
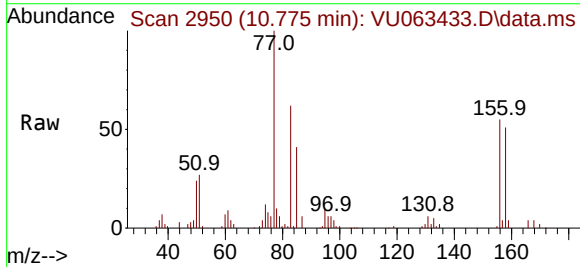
Tgt Ion: 83 Resp: 31827

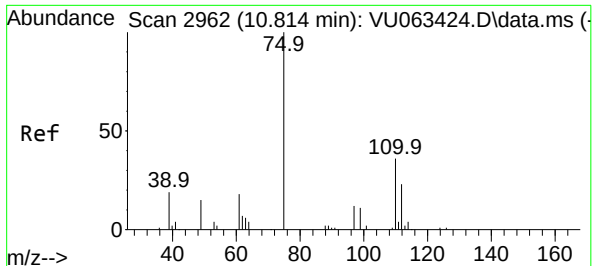
Ion Ratio Lower Upper

83 100

131 8.7 7.4 11.0

85 64.8 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 2.163 ug/l m

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion: 75 Resp: 2717

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 29.7 0.0 63.4

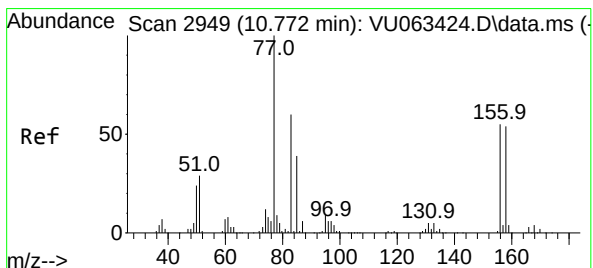
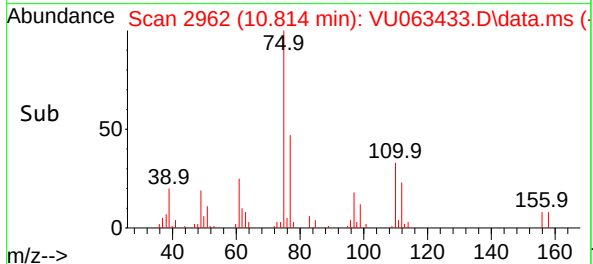
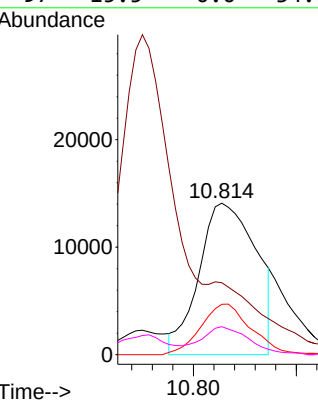
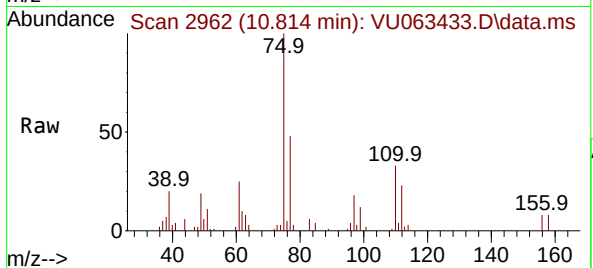
97 15.5 0.0 34.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#72

Bromobenzene

Concen: 2.118 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

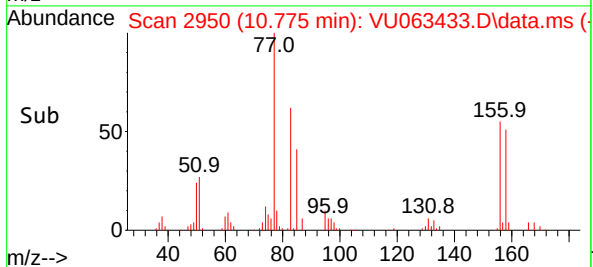
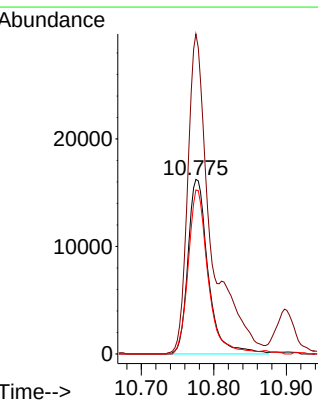
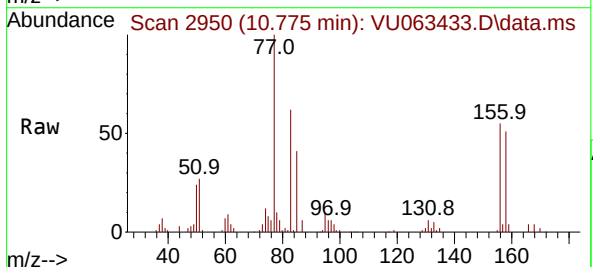
Tgt Ion:156 Resp: 31426

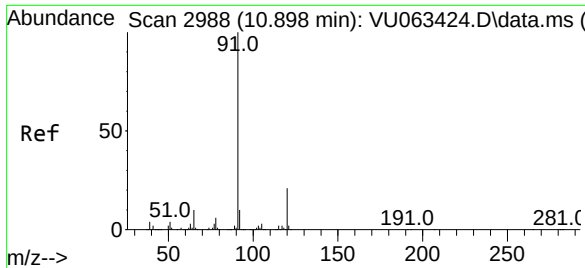
Ion Ratio Lower Upper

156 100

77 171.2 0.0 416.2

158 92.0 0.0 190.6





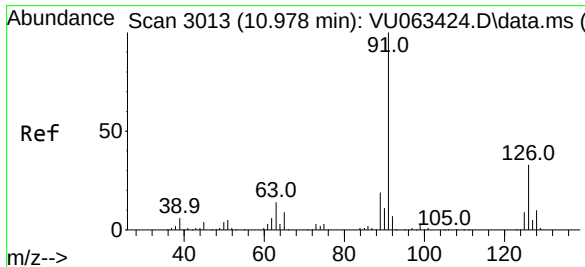
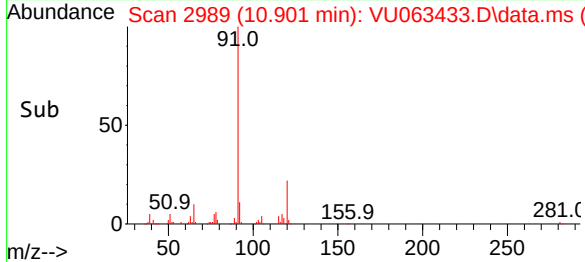
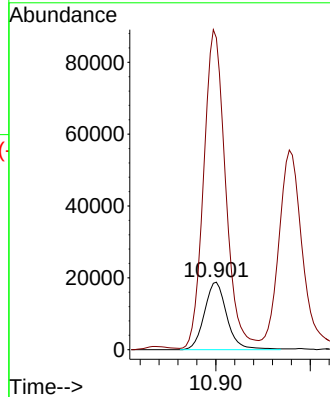
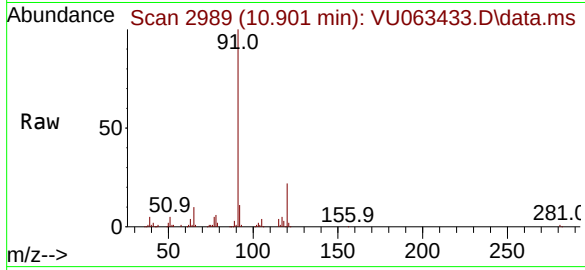
#73
n-propylbenzene
Concen: 1.923 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:120 Resp: 30992
Ion Ratio Lower Upper
120 100
91 460.3 373.7 560.5

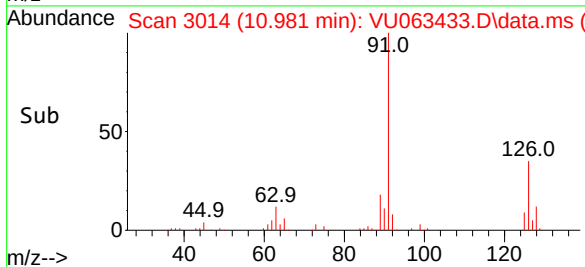
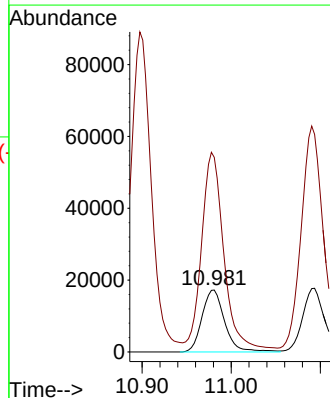
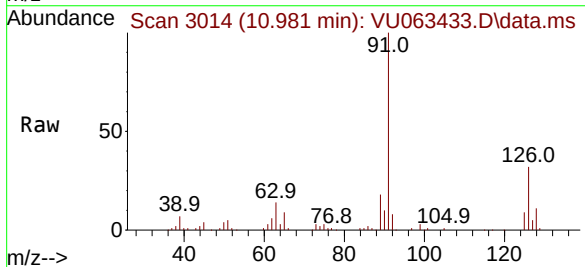
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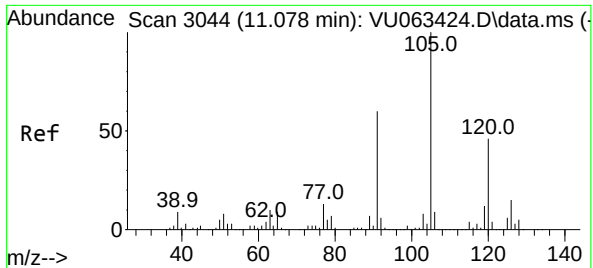
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#74
2-Chlorotoluene
Concen: 2.074 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:126 Resp: 30419
Ion Ratio Lower Upper
126 100
91 315.5 0.0 650.8





#75

1,3,5-Trimethylbenzene

Concen: 1.914 ug/l

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:105 Resp: 10050

Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.4

Instrument :

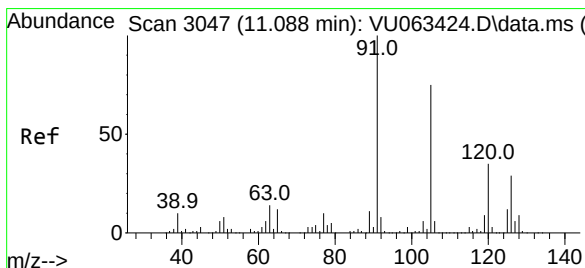
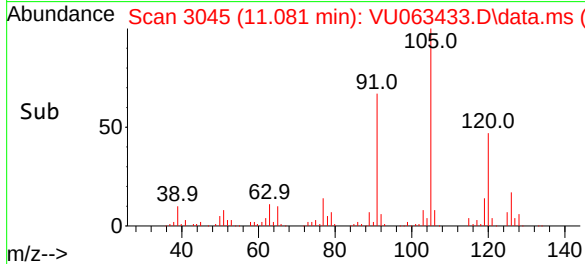
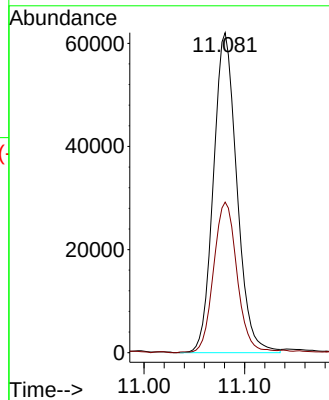
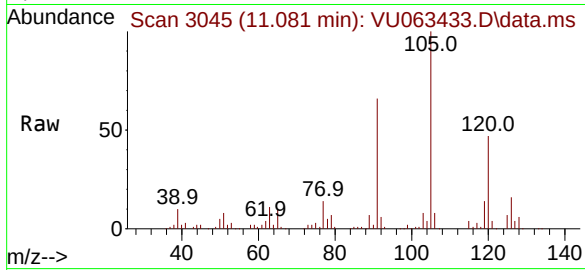
MSVOA_U

ClientSampleId :

VU0624WBSD01

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#76

4-Chlorotoluene

Concen: 2.031 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VU063433.D

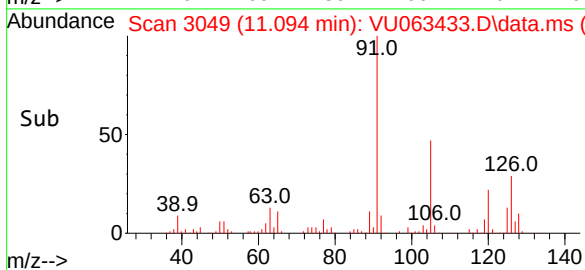
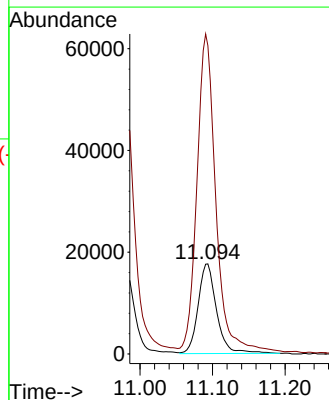
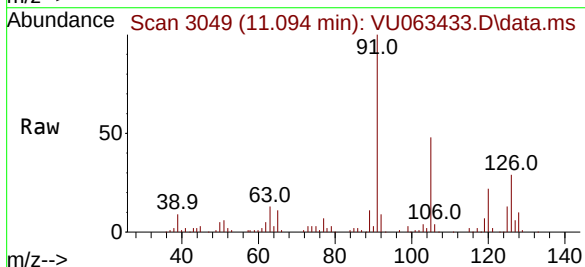
Acq: 24 Jun 2025 12:16

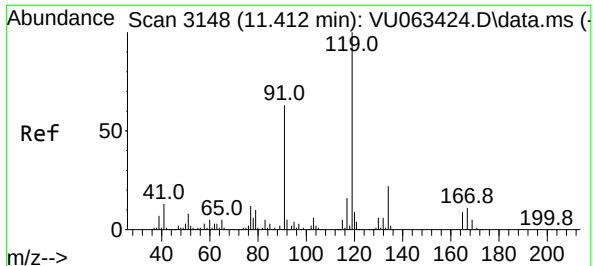
Tgt Ion:126 Resp: 31207

Ion Ratio Lower Upper

126 100

91 359.8 0.0 713.2





#77

tert-Butylbenzene

Concen: 1.993 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:119 Resp: 9681

Ion Ratio Lower Upper

119 100

91 62.0 30.9 92.7

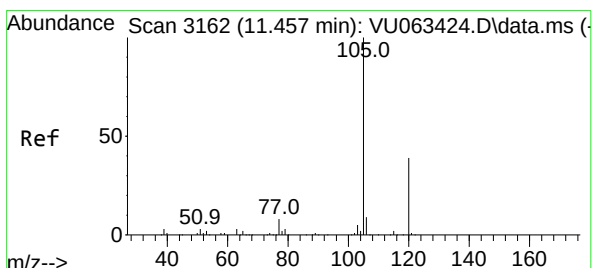
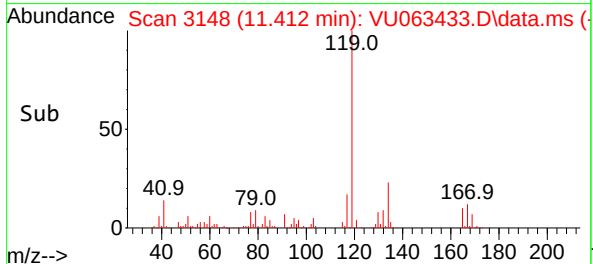
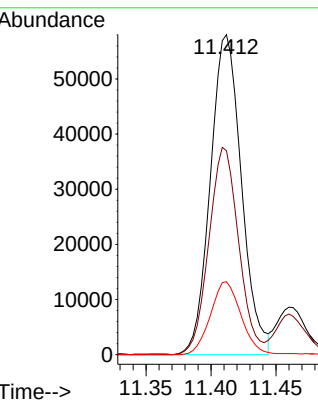
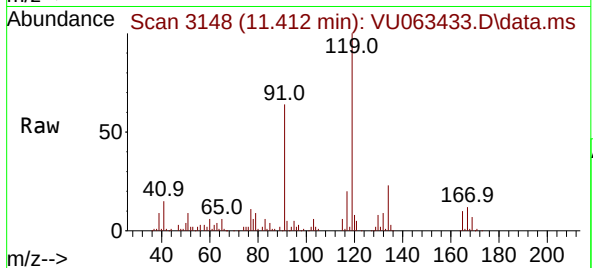
134 22.4 17.9 26.9

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#78

1,2,4-Trimethylbenzene

Concen: 1.920 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063433.D

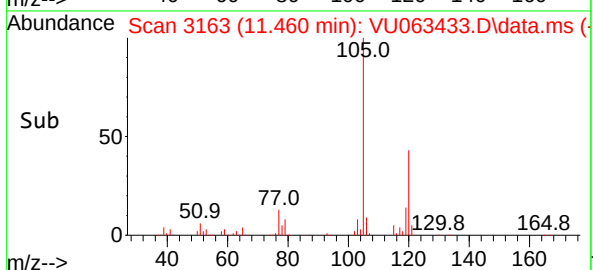
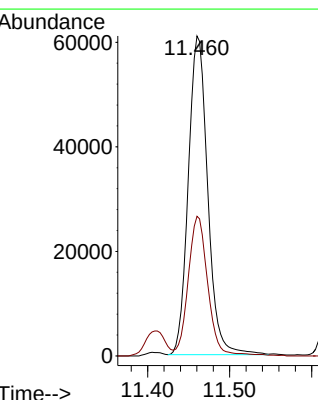
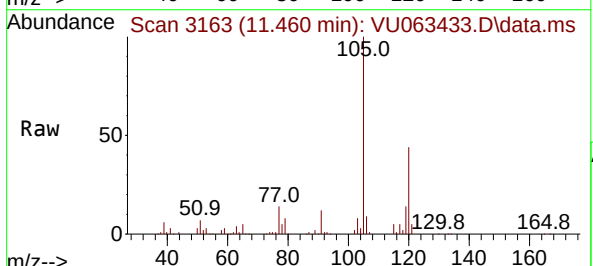
Acq: 24 Jun 2025 12:16

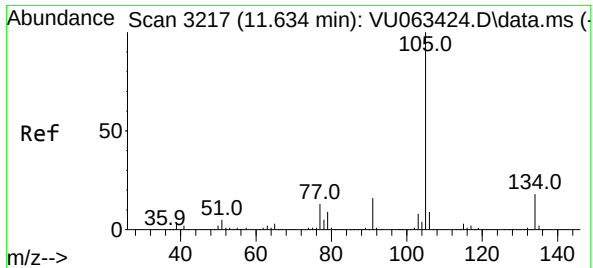
Tgt Ion:105 Resp: 100260

Ion Ratio Lower Upper

105 100

120 44.4 22.1 66.5





#79

sec-Butylbenzene

Concen: 1.992 ug/l

RT: 11.634 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:105 Resp: 137049

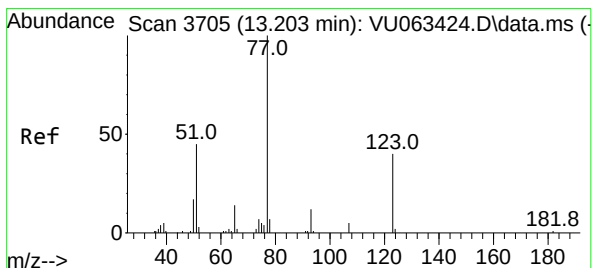
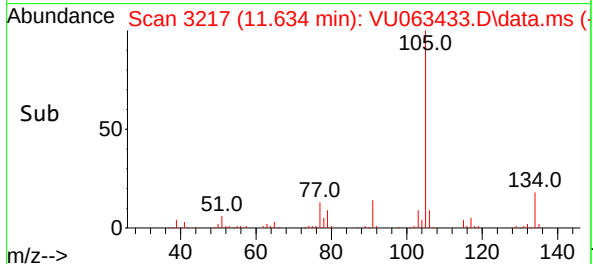
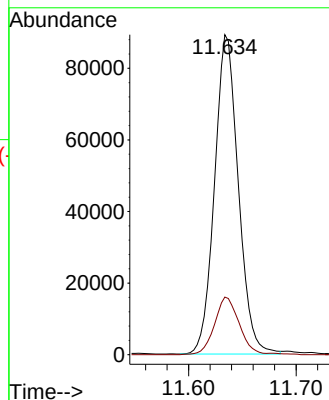
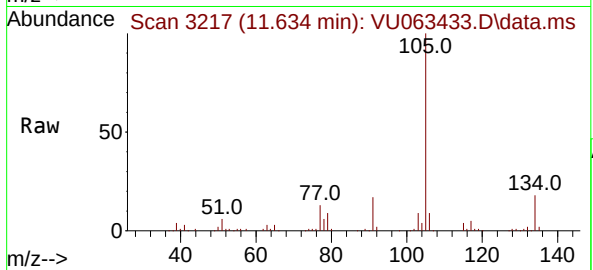
Ion Ratio Lower Upper

105 100

134 18.6 14.8 22.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

#80

Nitrobenzene

Concen: 10.746 ug/l

RT: 13.216 min Scan# 3709

Delta R.T. 0.013 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

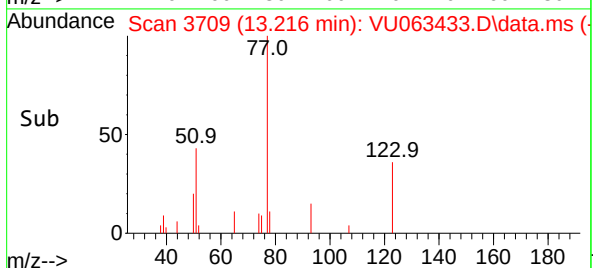
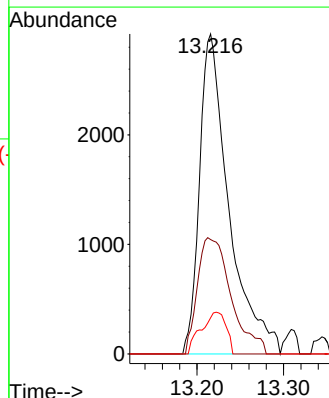
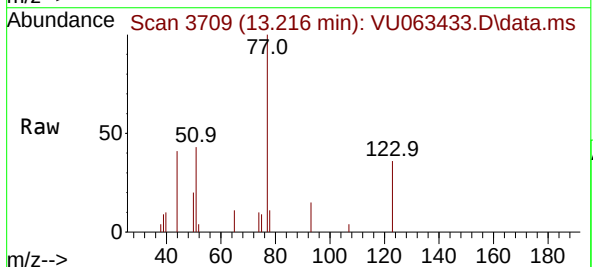
Tgt Ion: 77 Resp: 6874

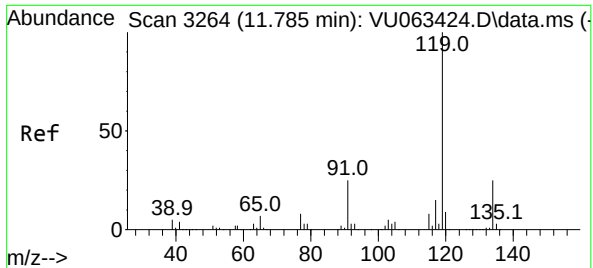
Ion Ratio Lower Upper

77 100

123 41.6 19.6 69.6

65 11.1 10.6 13.4





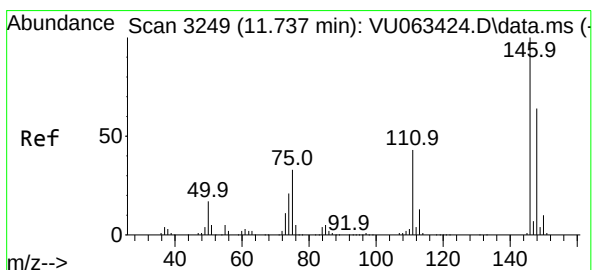
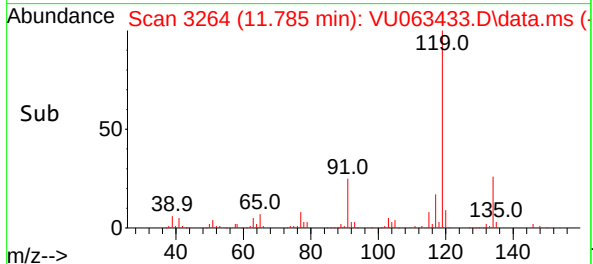
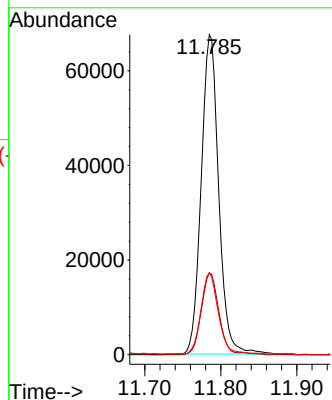
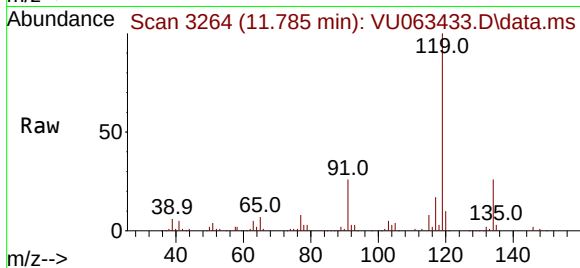
#81
p-Isopropyltoluene
Concen: 1.972 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:119 Resp: 10761
Ion Ratio Lower Upper
119 100
134 25.8 20.2 30.2
91 25.2 19.7 29.5

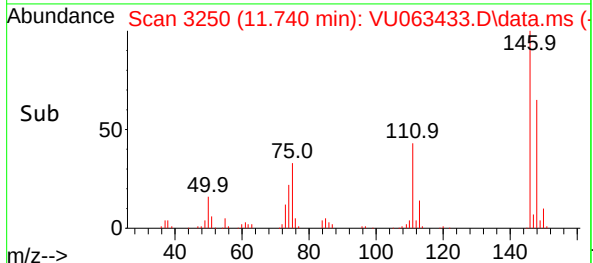
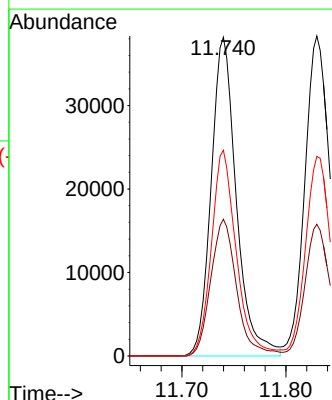
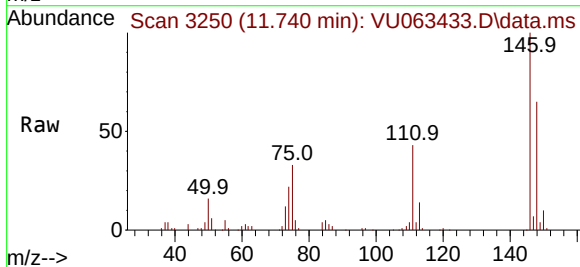
Manual Integrations
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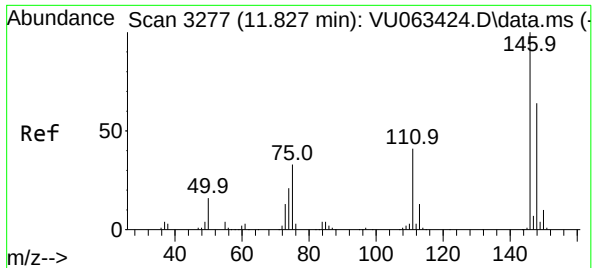
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#82
1,3-Dichlorobenzene
Concen: 2.087 ug/l
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion:146 Resp: 64149
Ion Ratio Lower Upper
146 100
111 44.2 34.3 51.5
148 63.9 51.0 76.4





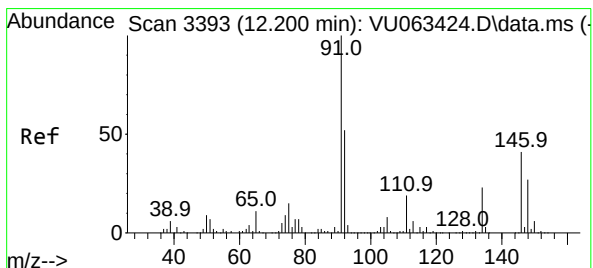
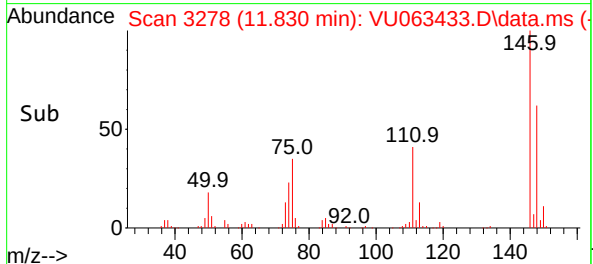
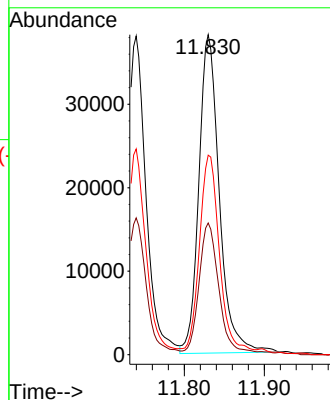
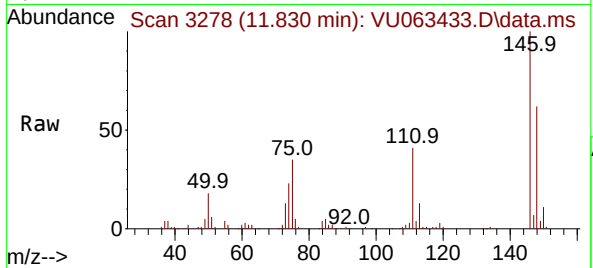
#83
1,4-Dichlorobenzene
Concen: 2.132 ug/l
RT: 11.830 min Scan# 3277
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Tgt Ion:146 Resp: 68000
Ion Ratio Lower Upper
146 100
111 39.4 31.7 47.5
148 58.6 51.4 77.0

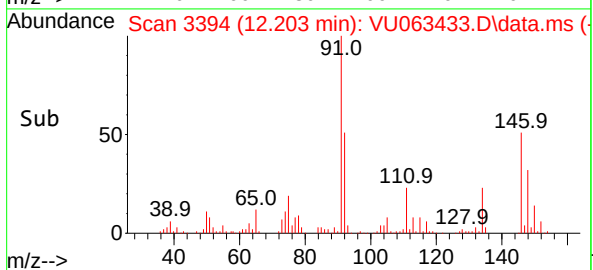
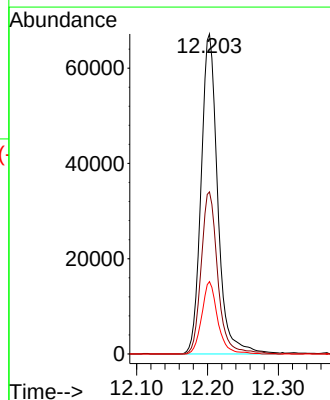
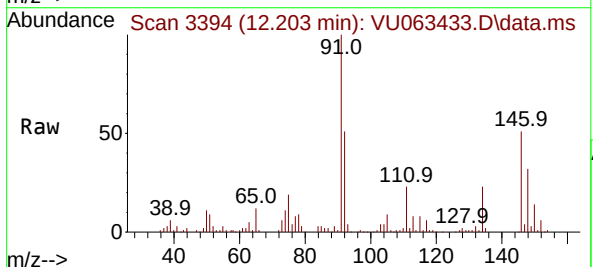
Manual Integrations
APPROVED

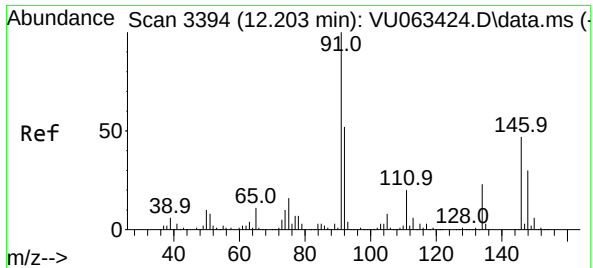
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#84
n-Butylbenzene
Concen: 1.946 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU063433.D
Acq: 24 Jun 2025 12:16

Tgt Ion: 91 Resp: 109583
Ion Ratio Lower Upper
91 100
92 50.6 41.0 61.6
134 21.6 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 2.078 ug/l

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

VU0624WBSD01

Tgt Ion:146 Resp: 6115

Ion Ratio Lower Upper

146 100

111 45.8 21.8 65.4

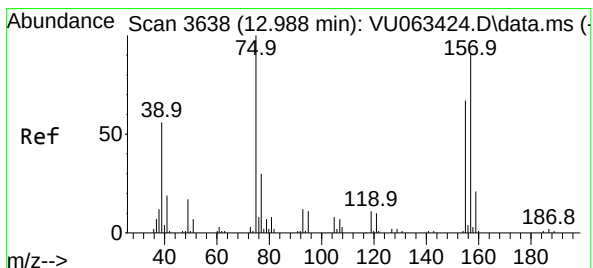
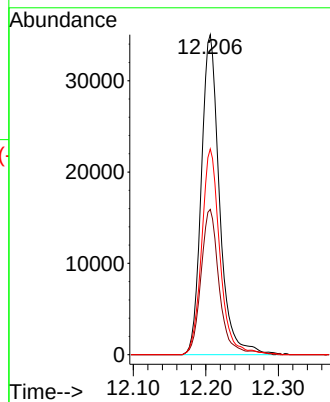
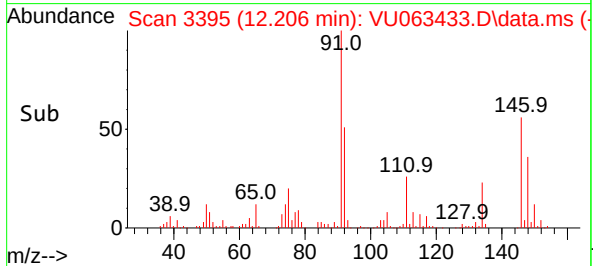
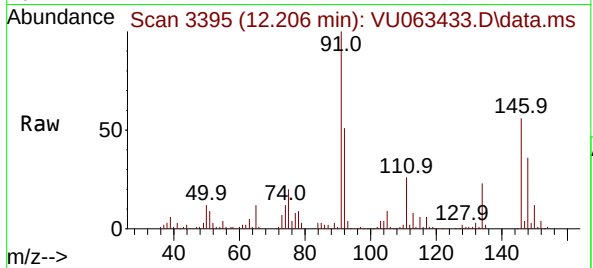
148 64.6 32.3 96.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/25/2025

Supervised By :Semsettin Yesilyurt 06/25/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.341 ug/l

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

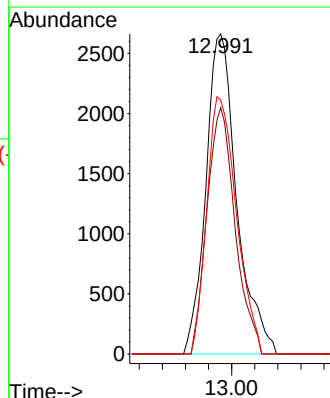
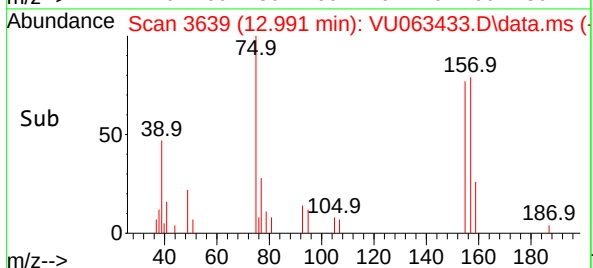
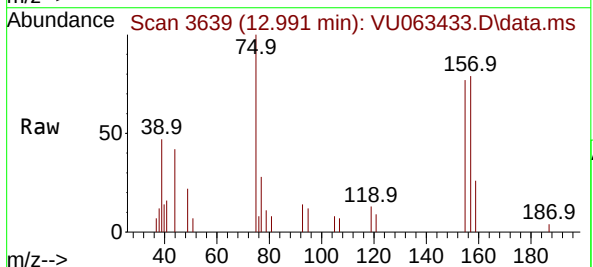
Tgt Ion: 75 Resp: 4949

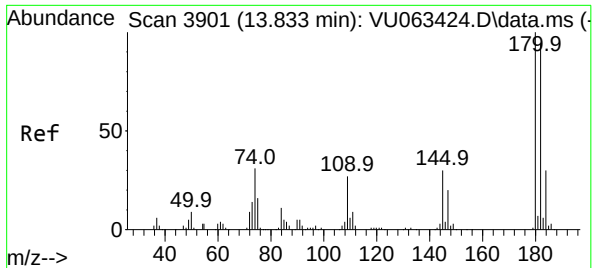
Ion Ratio Lower Upper

75 100

155 69.9 59.7 89.5

157 77.0 75.0 112.4





#87

1,2,4-Trichlorobenzene

Concen: 2.006 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

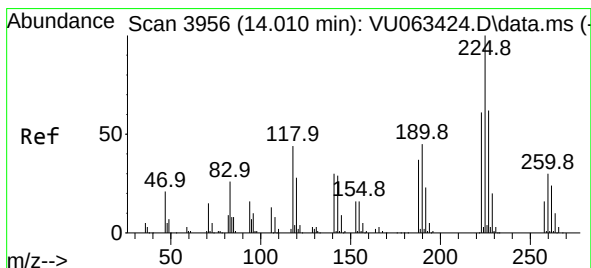
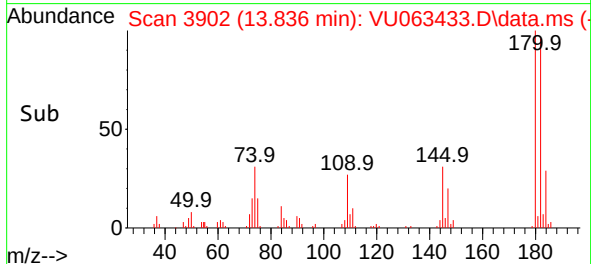
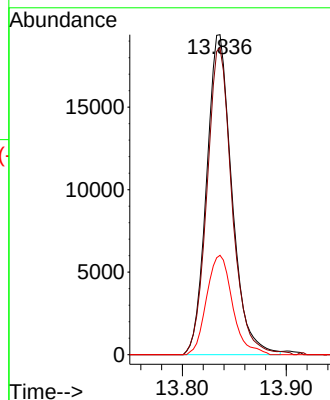
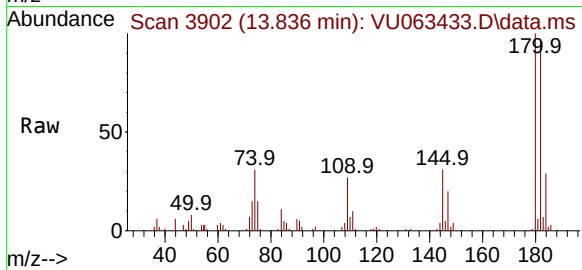
VU0624WBSD01

Tgt Ion:	180	Resp:	32914
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.6	113.4
145	31.7	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#88

Hexachlorobutadiene

Concen: 2.072 ug/l

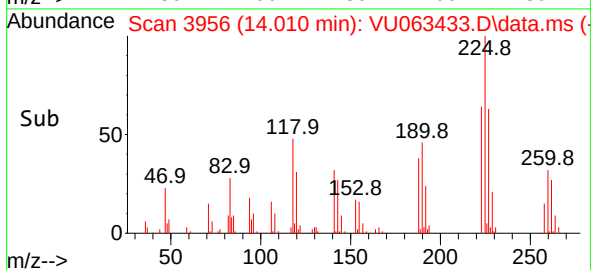
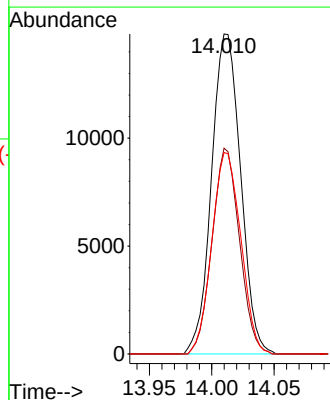
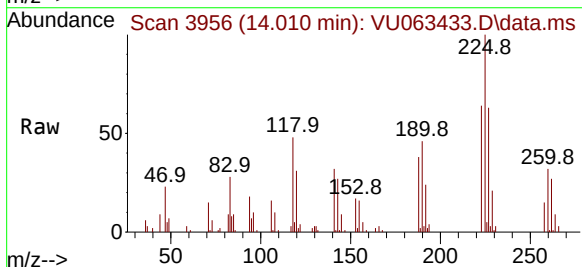
RT: 14.010 min Scan# 3956

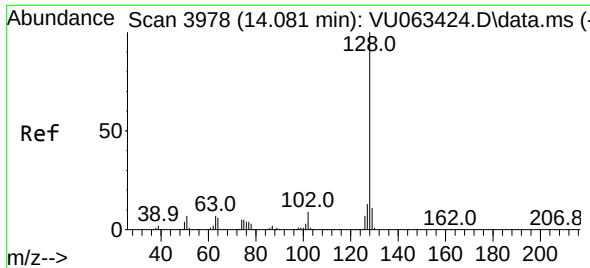
Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:	225	Resp:	24100
Ion Ratio	Lower	Upper	
225	100		
223	60.6	50.0	75.0
227	62.6	51.5	77.3





#89

Naphthalene

Concen: 2.252 ug/l

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Instrument :

MSVOA_U

ClientSampleId :

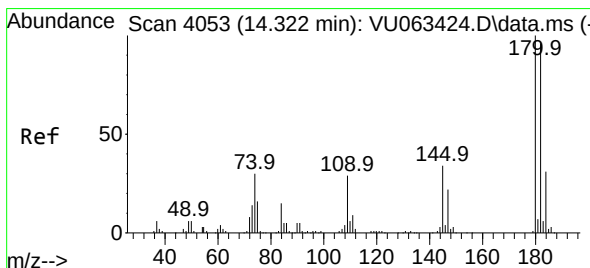
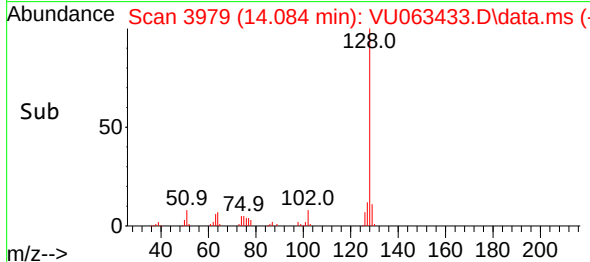
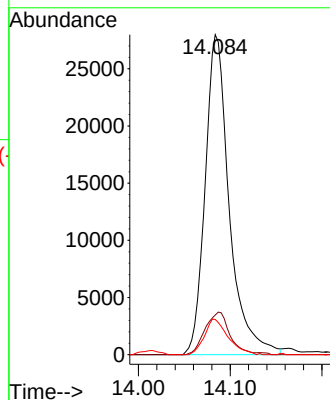
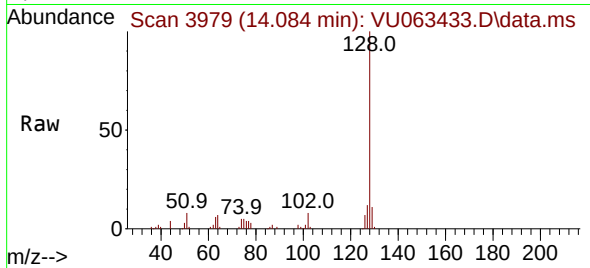
VU0624WBSD01

Tgt Ion:128	Resp:	51110
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.4 15.6
129	10.9	8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



#90

1,2,3-Trichlorobenzene

Concen: 1.922 ug/l

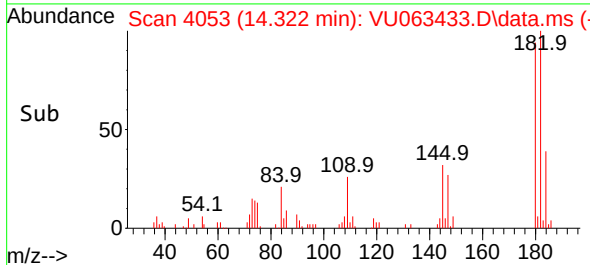
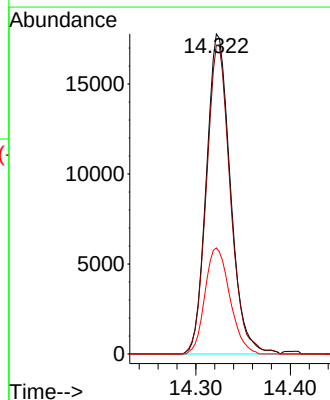
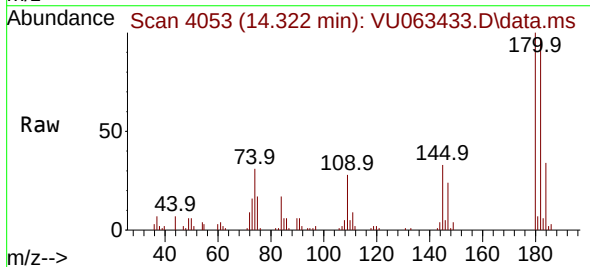
RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU063433.D

Acq: 24 Jun 2025 12:16

Tgt Ion:180	Resp:	31355
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.7 115.1
145	34.3	27.4 41.2



Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VU063421.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Tert-Amyl methyl ether	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC002	VU063422.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Tert-Amyl methyl ether	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VU063424.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methacrylonitrile	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methyl acrylate	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC015	VU063425.D	1,1,2-Trichloro-1,2,2-trifluoroethane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICCC015	VU063425.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICCC015	VU063425.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICCC015	VU063425.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICCC015	VU063425.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICCC015	VU063425.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC015	VU063425.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDIC0.5	VU063427.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDIC0.5	VU063427.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDIC0.5	VU063427.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDIC0.5	VU063427.D	Methyl acrylate	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDIC0.5	VU063427.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDIC0.5	VU063427.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU062425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063430.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VSTDCCC010	VU063430.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VSTDCCC010	VU063430.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	Methacrylonitrile	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	Nitrobenzene	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	Fluorobenzene	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VSTDCCC010	VU063436.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:55 PM	Sam	6/25/2025 12:36:32 PM	Peak Integrated by Software
VSTDCCC010	VU063436.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:55 PM	Sam	6/25/2025 12:36:32 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU062425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063438.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063438.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063438.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063447.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:33:17 PM	Sam	6/25/2025 12:36:52 PM	Peak Integrated by Software
VSTDCCC010	VU063447.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:33:17 PM	Sam	6/25/2025 12:36:52 PM	Peak Integrated by Software

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU062325

Review By	Mahesh Dadoda	Review On	6/25/2025 12:31:47 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:51 PM		
SubDirectory	VU062325	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134472			
Initial Calibration Stds		VP134487,VP134488,VP134489,VP134490,VP134491,VP134492			
CCC					
Internal Standard/PEM		VP132884			
ICV/I.BLK		VP134493			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063419.D	23 Jun 2025 08:48	MD/SY	Ok
2	VSTDICC0.5	VU063420.D	23 Jun 2025 10:03	MD/SY	Not Ok
3	VSTDICC001	VU063421.D	23 Jun 2025 10:34	MD/SY	Ok,M
4	VSTDICC002	VU063422.D	23 Jun 2025 11:08	MD/SY	Ok,M
5	VSTDICC005	VU063423.D	23 Jun 2025 11:39	MD/SY	Ok,M
6	VSTDICCC010	VU063424.D	23 Jun 2025 12:12	MD/SY	Ok,M
7	VSTDICC015	VU063425.D	23 Jun 2025 13:05	MD/SY	Ok,M
8	VIBLK	VU063426.D	23 Jun 2025 14:07	MD/SY	Ok
9	VSTDICC0.5	VU063427.D	23 Jun 2025 14:36	MD/SY	Ok,M
10	VSTDICV010	VU063428.D	23 Jun 2025 17:06	MD/SY	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_U**

Daily Analysis Runlog For Sequence/QC Batch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134494,VP134499			
CCC		VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506			
Internal Standard/PEM		VP132884			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063429.D	24 Jun 2025 09:49	MD/SY	Ok
2	VSTDCCC010	VU063430.D	24 Jun 2025 10:17	MD/SY	Ok,M
3	VU0624WBL01	VU063431.D	24 Jun 2025 11:14	MD/SY	Ok
4	VU0624WBS01	VU063432.D	24 Jun 2025 11:48	MD/SY	Ok,M
5	VU0624WBSD01	VU063433.D	24 Jun 2025 12:16	MD/SY	Ok,M
6	Q2377-01	VU063434.D	24 Jun 2025 12:54	MD/SY	Ok
7	Q2377-03	VU063435.D	24 Jun 2025 13:22	MD/SY	Ok
8	VSTDCCC010	VU063436.D	24 Jun 2025 13:49	MD/SY	Ok,M
9	BFB	VU063437.D	24 Jun 2025 14:19	MD/SY	Ok
10	VSTDCCC010	VU063438.D	24 Jun 2025 14:52	MD/SY	Ok,M
11	VU0624WBL02	VU063439.D	24 Jun 2025 15:54	MD/SY	Ok
12	VU0624WBS02	VU063440.D	24 Jun 2025 16:23	MD/SY	Ok,M
13	VU0624WBSD02	VU063441.D	24 Jun 2025 16:53	MD/SY	Ok,M
14	Q2126-08	VU063442.D	24 Jun 2025 17:24	MD/SY	Ok,M
15	Q2126-08	VU063443.D	24 Jun 2025 17:54	MD/SY	Ok,M
16	Q2126-07	VU063444.D	24 Jun 2025 18:25	MD/SY	Ok,M
17	Q2126-07	VU063445.D	24 Jun 2025 18:56	MD/SY	Ok,M
18	Q2126-07	VU063446.D	24 Jun 2025 19:26	MD/SY	Ok,M
19	VSTDCCC010	VU063447.D	24 Jun 2025 19:57	MD/SY	Ok,M

M : Manual Integration

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU062325

Review By	Maresh Dadoda	Review On	6/25/2025 12:31:47 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:51 PM
SubDirectory	VU062325	HP Acquire Method	MSVOA_U
		HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134472
Initial Calibration Stds	VP134487,VP134488,VP134489,VP134490,VP134491,VP134492
CCC	
Internal Standard/PEM	VP132884
ICV/I.BLK	VP134493
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063419.D	23 Jun 2025 08:48		MD/SY	Ok
2	VSTDIC0.5	VSTDIC0.5	VU063420.D	23 Jun 2025 10:03	low repsonses	MD/SY	Not Ok
3	VSTDIC001	VSTDIC001	VU063421.D	23 Jun 2025 10:34	%D failed for Comp. #13 in 001PPB	MD/SY	Ok,M
4	VSTDIC002	VSTDIC002	VU063422.D	23 Jun 2025 11:08	Comp.#47,64,66,73,75,78,80,81, 89 are on Linear Regression	MD/SY	Ok,M
5	VSTDIC005	VSTDIC005	VU063423.D	23 Jun 2025 11:39	Comp.#13,48,54 are on Quadratic Regression	MD/SY	Ok,M
6	VSTDIC010	VSTDIC010	VU063424.D	23 Jun 2025 12:12	Drinking water method	MD/SY	Ok,M
7	VSTDIC015	VSTDIC015	VU063425.D	23 Jun 2025 13:05	524.2	MD/SY	Ok,M
8	VIBLK	VIBLK	VU063426.D	23 Jun 2025 14:07	25ml PURGE	MD/SY	Ok
9	VSTDIC0.5	VSTDIC0.5	VU063427.D	23 Jun 2025 14:36	%D failed for Comp. #80 in 0.5PPB	MD/SY	Ok,M
10	VSTDICV010	ICVVU062325	VU063428.D	23 Jun 2025 17:06		MD/SY	Ok,M

M : Manual Integration

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134494,VP134499			
CCC		VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506			
Internal Standard/PEM		VP132884			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063429.D	24 Jun 2025 09:49		MD/SY	Ok
2	VSTDCCC010	VSTDCCC010	VU063430.D	24 Jun 2025 10:17		MD/SY	Ok,M
3	VU0624WBL01	VU0624WBL01	VU063431.D	24 Jun 2025 11:14		MD/SY	Ok
4	VU0624WBS01	VU0624WBS01	VU063432.D	24 Jun 2025 11:48		MD/SY	Ok,M
5	VU0624WBSD01	VU0624WBSD01	VU063433.D	24 Jun 2025 12:16		MD/SY	Ok,M
6	Q2377-01	PW-B6-L66-061925	VU063434.D	24 Jun 2025 12:54		MD/SY	Ok
7	Q2377-03	TB01-061925	VU063435.D	24 Jun 2025 13:22	TB	MD/SY	Ok
8	VSTDCCC010	VSTDCCC010EC	VU063436.D	24 Jun 2025 13:49		MD/SY	Ok,M
9	BFB	BFB	VU063437.D	24 Jun 2025 14:19		MD/SY	Ok
10	VSTDCCC010	VSTDCCC010	VU063438.D	24 Jun 2025 14:52		MD/SY	Ok,M
11	VU0624WBL02	VU0624WBL02	VU063439.D	24 Jun 2025 15:54		MD/SY	Ok
12	VU0624WBS02	VU0624WBS02	VU063440.D	24 Jun 2025 16:23		MD/SY	Ok,M
13	VU0624WBSD02	VU0624WBSD02	VU063441.D	24 Jun 2025 16:53		MD/SY	Ok,M
14	Q2126-08	LOQ-WATER-02-QT2-2	VU063442.D	24 Jun 2025 17:24	RL-check-0.5 ppb	MD/SY	Ok,M
15	Q2126-08	LOQ-WATER-02-QT2-2	VU063443.D	24 Jun 2025 17:54	RL-check-1.0 ppb	MD/SY	Ok,M
16	Q2126-07	LOD-MDL-WATER-01-0	VU063444.D	24 Jun 2025 18:25	0.25 ppb	MD/SY	Ok,M
17	Q2126-07	LOD-MDL-WATER-01-0	VU063445.D	24 Jun 2025 18:56	0.4 ppb	MD/SY	Ok,M
18	Q2126-07	LOD-MDL-WATER-01-0	VU063446.D	24 Jun 2025 19:26	0.8 ppb	MD/SY	Ok,M

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM				
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		VP134494,VP134499					
CCC		VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506					
Internal Standard/PEM		VP132884					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

19	VSTDCCC010	VSTDCCC010EC	VU063447.D	24 Jun 2025 19:57		MD/SY	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : Q2377

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VU062425,

Standard ID :

VP132884,VP133953,VP134477,VP134494,VP134495,VP134496,VP134499,VP134500,VP134501,VP134503,VP134504,VP134506,

Chemical ID :

LOD-VP134502,LOQ-VP134505,V13391,V13880,V14134,V14419,V14624,V14626,V14710,V14747,V14838,V14921,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>
552	524 Internal STD and Surrogate Mix, 5 PPM	VP132884	02/05/2025	07/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
02/14/2025								

FROM 0.02500ml of V14134 + 9.97500ml of V14624 = Final Quantity: 10.000 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>
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
05/21/2025								

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = 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>
553	524 Calibration CC Mix Working STD, 25 PPM	VP134477	06/16/2025	08/30/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/26/2025

FROM 0.06250ml of V13880 + 0.06250ml of V14419 + 0.06250ml of V14747 + 0.06250ml of V14838 + 0.12500ml of V14710 + 4.62300ml of V14921 = 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>
1736	BFB	VP134494	06/24/2025	06/25/2025	Maresh Dadoda	None	None	Semsettin Yesilyurt
								06/26/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 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>
1131	10 PPB CCC, 524.2	VP134495	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.97600ml of W3112 + 0.00800ml of VP132884 + 0.01600ml of VP134477 = Final Quantity: 40.000 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>
1131	10 PPB CCC, 524.2	VP134496	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.97600ml of W3112 + 0.00800ml of VP132884 + 0.01600ml of VP134477 = Final Quantity: 40.000 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>
1580	BFB TUNE CHECK-524.2	VP134499	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.99000ml of W3112 + 0.00160ml of VP133953 = Final Quantity: 40.000 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>
1131	10 PPB CCC, 524.2	VP134500	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.97600ml of W3112 + 0.00800ml of VP132884 + 0.01600ml of VP134477 = Final Quantity: 40.000 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>
1131	10 PPB CCC, 524.2	VP134501	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.97600ml of W3112 + 0.00800ml of VP132884 + 0.01600ml of VP134477 = Final Quantity: 40.000 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>
3160	0.4 PPB 524 LOD	VP134503	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.99000ml of W3112 + 0.00060ml of VP134477 + 0.00800ml of VP132884 = Final Quantity: 40.000 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>
3918	524 METH.LOD 0.8 PPB	VP134504	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.99000ml of W3112 + 0.00130ml of VP134477 + 0.00800ml of VP132884 = Final Quantity: 40.000 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>
1898	524 LOD LOQ, 1PPB	VP134506	06/24/2025	06/25/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
06/26/2025								

FROM 39.99000ml of W3112 + 0.00160ml of VP134477 + 0.00800ml of VP132884 = Final Quantity: 40.000 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	564323 / Custom Oxygenates Standard	A0199211	06/16/2026	06/16/2025 / SAM	06/30/2023 / SAM	V13880

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30201 / VOA Mix,500 series method, 524 Internal Std., 2000ug/mL. P&TM, 1mL/ampul	A0168982	02/05/2026	02/05/2025 / SAM	01/18/2024 / SAM	V14134

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30601 / VOA Mega Mix, Drinking Water VOA Mega Mix, 524.2 Rev 4.1, 1mL, 2000ug/mL P&TM	A0204639	10/17/2025	10/17/2024 / SAM	06/04/2024 / SAM	V14419

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

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	12/16/2025	06/16/2025 / SAM	12/17/2024 / SAM	V14710

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	12/16/2025	06/16/2025 / SAM	12/17/2024 / SAM	V14747

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	560065 / Custom Standard, 524 Std w/ COC [CS 8005]	A0220861	01/31/2026	06/16/2025 / SAM	01/16/2025 / SAM	V14838

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

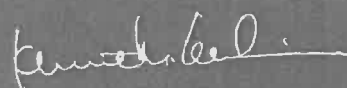
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

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	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Ken Koehnlein
Sr. Manager, Quality Assurance

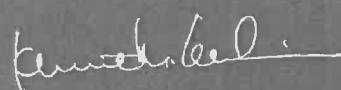
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

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	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Ken Koehnlein
Sr. Manager, Quality Assurance



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



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. : 30201 Lot No.: A0168982
Description : 524 Internal Std / Surrogate Mix
524 Internal Std/Surrogate Mix 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 29, 2028 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Fluorobenzene CAS # 462-06-6 (Lot BCBK8171V) Purity 99%	2,008.0 µg/mL	+/- 11.7841	µg/mL	Gravimetric
			+/- 112.5980	µg/mL	Unstressed
			+/- 115.2321	µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 20401KO) Purity 99%	2,010.0 µg/mL	+/- 11.7958	µg/mL	Gravimetric
			+/- 112.7101	µg/mL	Unstressed
			+/- 115.3469	µg/mL	Stressed
3	1,2-Dichlorobenzene-d4 CAS # 2199-69-1 (Lot M-2097) Purity 99%	2,015.5 µg/mL	+/- 11.8281	µg/mL	Gravimetric
			+/- 113.0185	µg/mL	Unstressed
			+/- 115.6625	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

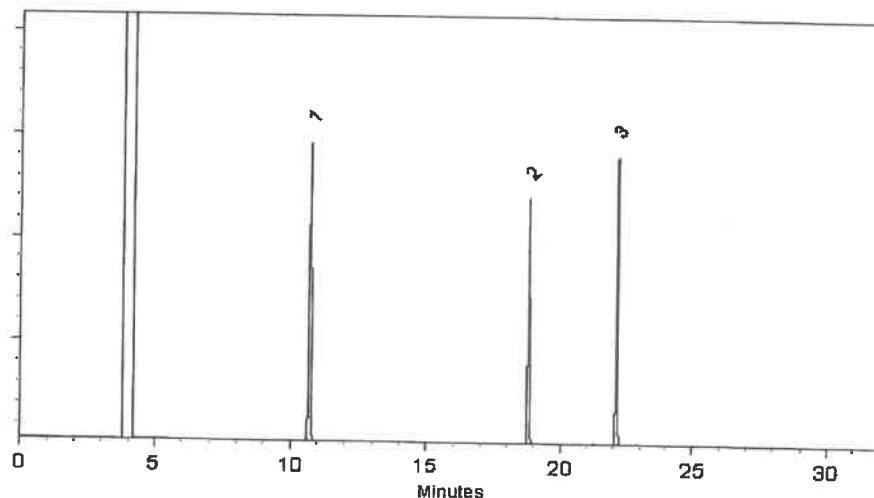
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 11-Feb-2021 Balance: 1128360905

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 12-Feb-2021

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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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:

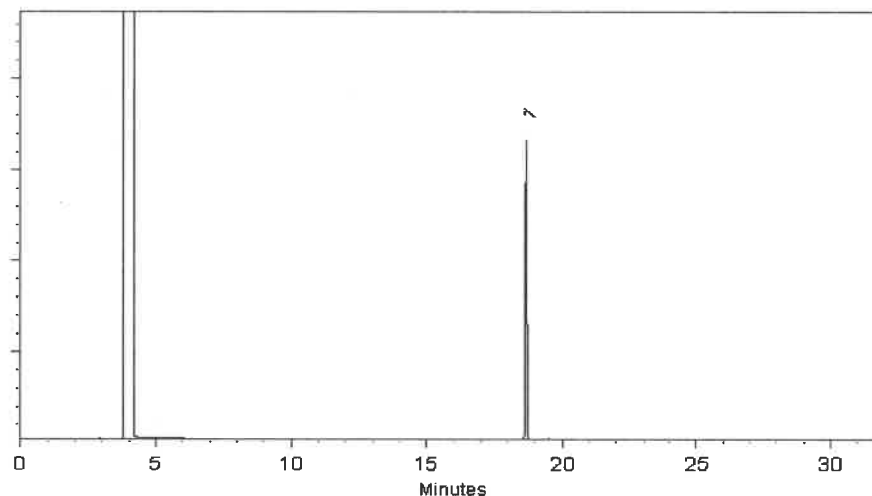
FID

Split Vent:

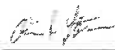
40 ml/min

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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chromatographic



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. : 564323 **Lot No.:** A0199211

Description : Custom Oxygenates Standard

Custom Oxygenates Standard 2,000-10,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **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	101619K21F-1	99%	10,093.2 µg/mL	+/- 125.6116
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,011.0 µg/mL	+/- 25.0950
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,009.8 µg/mL	+/- 25.0800
4	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	2,009.2 µg/mL	+/- 25.0726
5	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	2,010.4 µg/mL	+/- 25.0878

* 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:

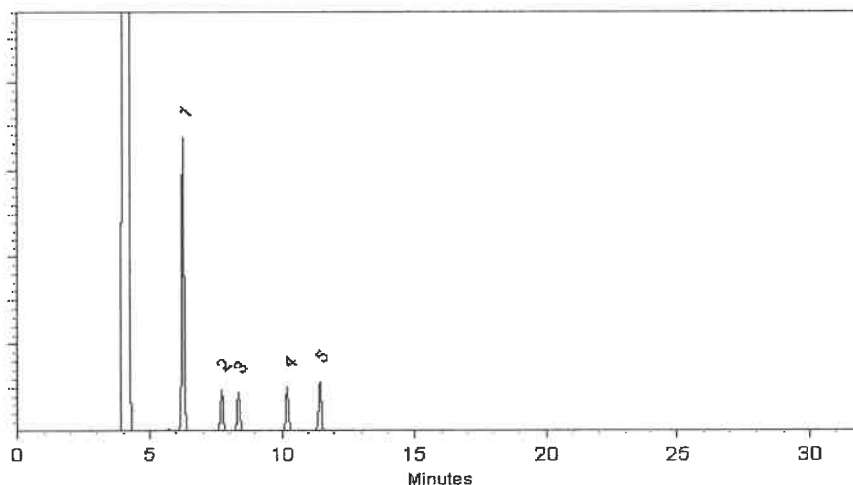
FID

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.


Bryan Snyder - Operations Tech I

Date Mixed: 22-Jun-2023

Balance Serial # 1128342314


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-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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Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30601 **Lot No.:** A0204639

Description : Drinking Water VOA MegaMix™, 524.2 Rev 4.1
Drinking Water VOA Mega Mix 524.2 Rev 4.1, 2000µg/mL, P&T
Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,016.9 µg/mL	+/- 70.1908
2	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,009.6 µg/mL	+/- 69.9229
3	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,016.5 µg/mL	+/- 70.1787
4	Allyl chloride (3-chloropropene)	107-05-1	RD221118RSR	99%	2,017.0 µg/mL	+/- 69.7168
5	Methylene chloride (dichloromethane)	75-09-2	231383	99%	2,013.2 µg/mL	+/- 70.0499
6	Carbon disulfide	75-15-0	N28F701	99%	2,017.0 µg/mL	+/- 70.1961
7	Acrylonitrile	107-13-1	102466R02E	99%	2,017.1 µg/mL	+/- 70.1995
8	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,017.0 µg/mL	+/- 69.7168
9	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,011.9 µg/mL	+/- 70.0038
10	1,1-Dichloroethane	75-34-3	852900	99%	2,010.5 µg/mL	+/- 69.9560
11	Propionitrile	107-12-0	BCCH7430	99%	2,017.0 µg/mL	+/- 70.1943
12	2,2-Dichloropropane	594-20-7	RD230426	99%	2,013.2 µg/mL	+/- 70.0652
13	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,014.0 µg/mL	+/- 70.0903
14	Methacrylonitrile	126-98-7	1012014	99%	2,015.7 µg/mL	+/- 70.1491
15	Methyl acrylate	96-33-3	SHBG6616V	99%	2,019.0 µg/mL	+/- 70.2639
16	chloroform	67-66-3	SHBN8469	99%	2,009.7 µg/mL	+/- 69.9273

17	Bromochloromethane	74-97-5	230810JLM	99%	2,016.0	µg/mL	+/- 70.1613
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	2,019.6	µg/mL	+/- 70.2865
19	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,011.1	µg/mL	+/- 69.9769
20	1-Chlorobutane (Butyl chloride)	109-69-3	SHBC2651V	99%	2,015.0	µg/mL	+/- 69.6476
21	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,018.9	µg/mL	+/- 70.2629
22	carbon tetrachloride	56-23-5	SHBP4875	99%	2,011.5	µg/mL	+/- 69.9890
23	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	2,008.7	µg/mL	+/- 69.8916
24	Benzene	71-43-2	MKCS3357	99%	2,017.4	µg/mL	+/- 70.2100
25	Trichloroethene	79-01-6	SHBN3720	99%	2,008.3	µg/mL	+/- 69.8786
26	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,012.1	µg/mL	+/- 70.0117
27	Methyl methacrylate	80-62-6	MKCQ2756	99%	2,017.7	µg/mL	+/- 70.2204
28	Chloroacetonitrile	107-14-2	MKBG6249V	99%	2,006.0	µg/mL	+/- 69.3366
29	bromodichloromethane	75-27-4	MKCF8470	99%	2,012.6	µg/mL	+/- 70.0273
30	Dibromomethane	74-95-3	10233302	99%	2,014.7	µg/mL	+/- 70.1153
31	2-Nitropropane	79-46-9	BCCB9352	97%	2,015.9	µg/mL	+/- 70.1562
32	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,005.0	µg/mL	+/- 69.7655
33	Toluene	108-88-3	MKCS9989	99%	2,019.0	µg/mL	+/- 70.2643
34	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,015.4	µg/mL	+/- 70.1393
35	trans-1,3-Dichloropropene	10061-02-6	RD230727RSR	99%	2,011.3	µg/mL	+/- 69.9838
36	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,013.2	µg/mL	+/- 70.0491
37	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,017.1	µg/mL	+/- 70.2002
38	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,011.5	µg/mL	+/- 69.9908
39	dibromochloromethane	124-48-1	MKCQ4517	99%	2,006.6	µg/mL	+/- 69.8185
40	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,009.0	µg/mL	+/- 69.9176
41	Chlorobenzene	108-90-7	SHBN6640	99%	2,009.8	µg/mL	+/- 69.9299
42	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,013.8	µg/mL	+/- 70.0833
43	Ethylbenzene	100-41-4	094632L21G	99%	2,006.8	µg/mL	+/- 69.8411
44	m-Xylene	108-38-3	SHBN6673	99%	2,018.7	µg/mL	+/- 70.2559
45	p-Xylene	106-42-3	SHBP5191	99%	2,008.0	µg/mL	+/- 69.8828
46	o-Xylene	95-47-6	SHBN5105	99%	2,016.3	µg/mL	+/- 70.1724
47	Styrene	100-42-5	MKCQ3390	99%	2,014.8	µg/mL	+/- 70.1209
48	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,011.4	µg/mL	+/- 70.0026
49	bromoform	75-25-2	050494L04R	99%	2,009.6	µg/mL	+/- 69.9255
50	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	2,011.7	µg/mL	+/- 69.9986
51	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,013.8	µg/mL	+/- 70.0841
52	trans-1,4-dichloro-2-butene	110-57-6	RP231113CTH	94%	2,017.2	µg/mL	+/- 69.7251

53	n-Propylbenzene	103-65-1	095067T18C	99%	2,018.4	µg/mL	+/- 70.2434
54	Bromobenzene	108-86-1	MKCQ7174	99%	2,016.9	µg/mL	+/- 70.1919
55	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,017.0	µg/mL	+/- 70.1961
56	2-Chlorotoluene	95-49-8	235783M23T	99%	2,017.8	µg/mL	+/- 70.2253
57	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,014.1	µg/mL	+/- 70.0958
58	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,005.2	µg/mL	+/- 69.7868
59	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,015.9	µg/mL	+/- 70.1571
60	Pentachloroethane	76-01-7	13550700	97%	2,012.8	µg/mL	+/- 69.5699
61	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,011.0	µg/mL	+/- 69.9872
62	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,014.6	µg/mL	+/- 70.1111
63	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,003.2	µg/mL	+/- 69.7020
64	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,015.0	µg/mL	+/- 70.1108
65	n-Butylbenzene	104-51-8	09418JJ	99%	2,005.3	µg/mL	+/- 69.7882
66	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,009.0	µg/mL	+/- 69.9020
67	Hexachloroethane	67-72-1	QTORH	99%	2,016.0	µg/mL	+/- 69.6822
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,005.1	µg/mL	+/- 69.7821
69	Nitrobenzene	98-95-3	10224044	99%	2,017.9	µg/mL	+/- 70.2256
70	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,015.0	µg/mL	+/- 70.1251
71	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,001.7	µg/mL	+/- 69.6639
72	Naphthalene	91-20-3	STBL1057	99%	2,008.9	µg/mL	+/- 69.9149
73	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,012.3	µg/mL	+/- 70.0318

* 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 pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

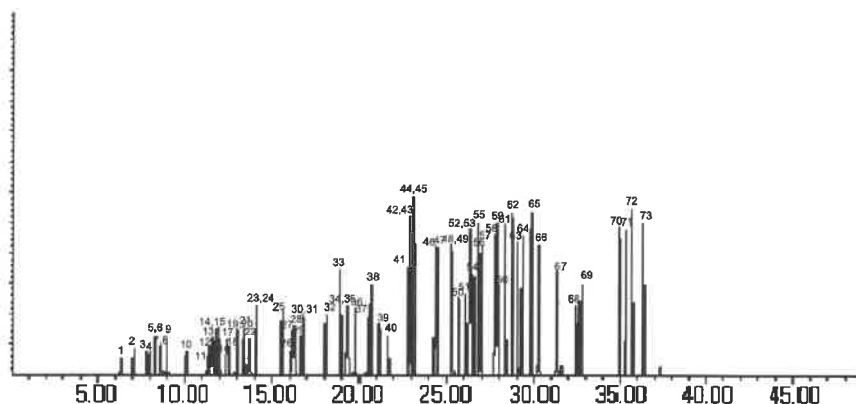
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 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.

John Friedline - Operations Technician I

Date Mixed: 20-Nov-2023 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 29-Nov-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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Dec 12/17/24
30 v. 4
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14697-to-14726



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:

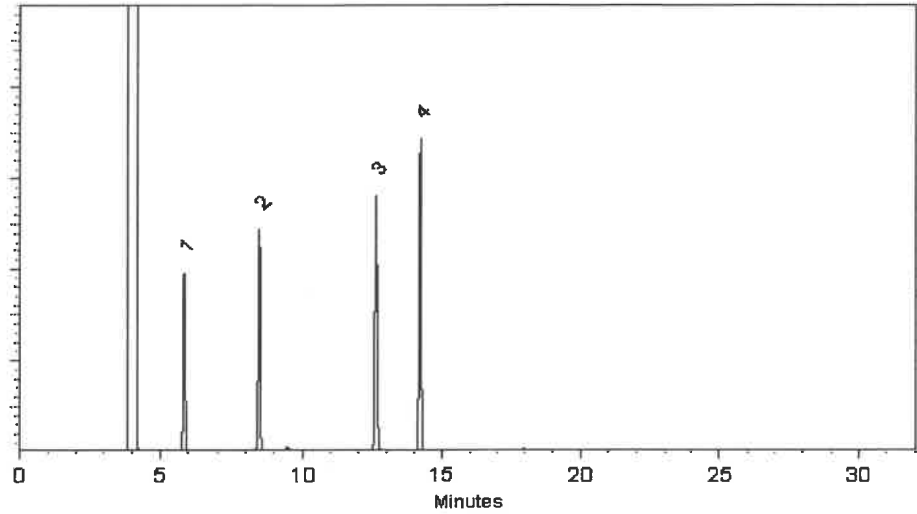
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

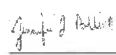


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus

V14727 to
V14756



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:

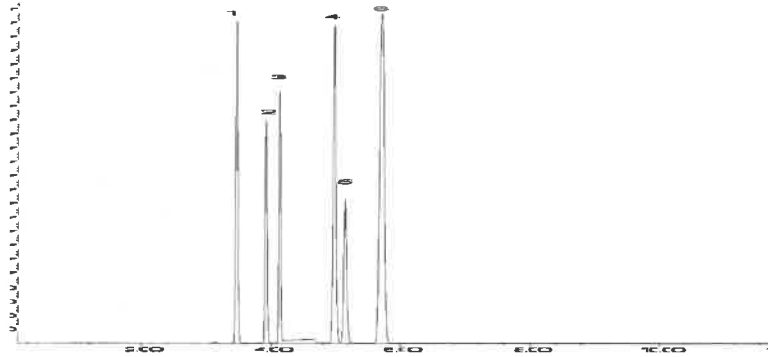
MSD

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14837 to

V14841



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. : 560065

Lot No.: A0220861

Description : Custom 524 Standard

Custom 524 Standard 2,000-10,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : January 31, 2026

Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00022779	99%	2,009.0 µg/mL	+/- 69.4402
2	tert-Butanol (TBA)	75-65-0	SHBR5545	99%	10,036.0 µg/mL	+/- 346.8674
3	Acrylonitrile	107-13-1	102466R02E	99%	2,015.0 µg/mL	+/- 69.6476
4	Propionitrile	107-12-0	BCCL0691	99%	8,074.0 µg/mL	+/- 279.0744
5	Tetrahydrofuran	109-99-9	SHBR7392	99%	2,009.0 µg/mL	+/- 69.4402
6	Cyclohexane	110-82-7	SHBS0091	99%	2,014.0 µg/mL	+/- 69.6131
7	Methylcyclohexane	108-87-2	SHBR3777	99%	2,015.0 µg/mL	+/- 69.6476
8	Methyl methacrylate	80-62-6	MKCQ2756	99%	2,011.0 µg/mL	+/- 69.5094
9	trans-1,4-dichloro-2-butene	110-57-6	RD240719ECSB	97%	2,013.7 µg/mL	+/- 69.6034
10	Nitrobenzene	98-95-3	10224044	99%	8,026.0 µg/mL	+/- 277.4153

* 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 pressure 30 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:

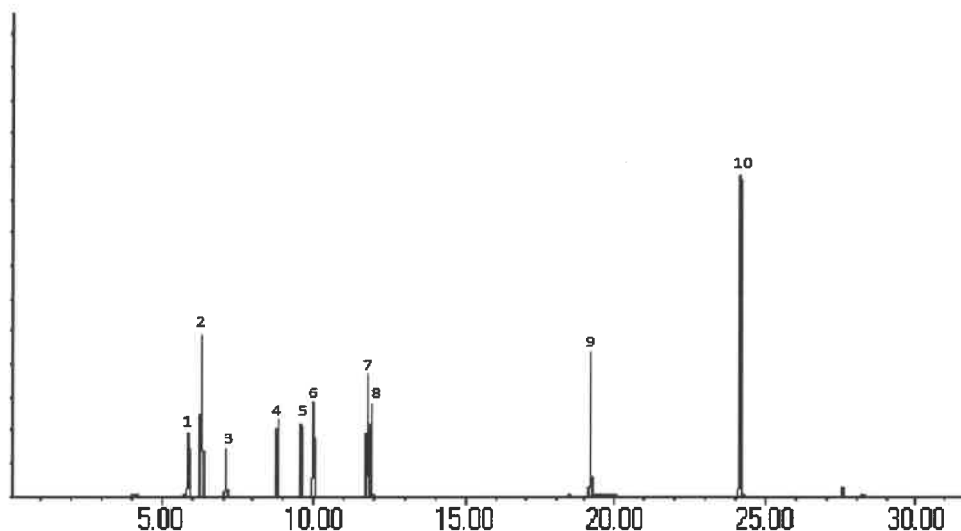
MSD

Split Vent:

25.0 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.

Morgan Cralghead - Mix Technician

Date Mixed: 07-Jan-2025

Balance Serial # 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 10-Jan-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

Rev 05/09/25
Avantor[™]



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
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 Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

- 1
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CHEMTECH PROJECT NO. Q2377
QUOTE NO.
COC Number 2039472

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt. Kemble Ave., Ste. 100
CITY: Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Infante John.Infante@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC Princeton
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) ★ RUSH TAT (2 Day) ★ DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1 Site-specific VOCs
2 1,4 Dioxane (8270-SIM)
3 VOCs (SPAM01.1-SIM)
4 LVC only

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		A/E	E	A/E							
1.	PW-B6-L66-061925	AQ		X	6/19/25	11:00	5	X	X								
2.	PW-B6-L66-061925-SIM	AQ		X		11:00	3			X							
3.	PW-B6-L66-061925-FD ^{AM 6/19/25}	AQ		X		11:05	5	X	X								
4.	PW-B6-L66-061925-SIM-FD ^{AM 6/19/25}	AQ		X		11:05	3			X							
5.	TBO1-061925	D1		X			2	X									
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
1. <u>[Signature]</u>	<u>6/19/25 17:10</u>	1. <u>[Signature]</u>	Comments: <u>See work order for list of site specific VOCs</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page 1 of 1

CLIENT: ☒ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2377	JACO05	Order Date : 6/20/2025 11:23:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 6/19/2025 5:10:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2377-01	PW-B6-L66-061925	Water	06/19/2025	11:100	VOCMS Group3		8260-Low		2 Bus. Days
Q2377-02	PW-B6-L66-061925-SIM	Water	06/19/2025	11:100	VOC-SIM		SFAM_VOCSIM		2 Bus. Days
Q2377-03	TB01-061925	Water	06/19/2025	11:100	VOCMS Group3		8260-Low		2 Bus. Days

Relinquished By : al

Date / Time : 6/20/25 1150

Received By : Sam

Date / Time : 06/20/25 11:50

Storage Area : VOA Refridgerator Room